

STANDARD PLAN RELEASE SUMMARY (SPR)

Architecture, Engineering, and Construction Division

Building Design: Heritage 09T MH

HER-MAS-09-02	[Meetinghouse, Style A, Sloped Roof]
HER-MBS-09-02	[Meetinghouse, Style B, Sloped Roof]
HER-MCS-09-02	[Meetinghouse, Style C, Sloped Roof]
HER-MDS-09-02	[Meetinghouse, Style D, Sloped Roof]

Release Date: September 2011

Release Number: 2

Summarized below is a list of modifications made to the Standard Plans, which are applicable to the Building Design indicated. This list is not intended to be exhaustive or detailed in nature, but is a tool for Project Managers and their consultants to quickly identify the changes made since the last Standard Plan Update. The Priority Level is intended to identify four levels of implementation for current projects in the late design phase or construction phase. Current projects in the planning phase or early design phase should incorporate all Changes where applicable.

Level 1 - Essential Priority: Implement Change even if building is near Substantial Completion;

Level 2 - Important Priority: Implement Change even when Change may require minor additional cost - if Change will require significant additional cost or time, Change is left to PM's discretion;

Level 3 - Standard Priority: Implement Change at PM's sole discretion.

Level 4 - Low Priority: Implement Change as appropriate to phase of project. Change should not affect cost or schedule.

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
1	All Sheets			Changed the prefix on all DWG file names to be more descriptive; restructured DWG folders to allow universal x-referencing between all Heritage 09T building types. Refer also to <i>Standard Plan Drawing File Naming Conventions - Heritage T</i> (attached).	2
2	1/A102			MAIN FLOOR DIMENSION PLAN: Shifted location of windows at ROSTRUM 157; revised dimensions at FOYER 109 and FOYER 148; revised dimensions at folding partition door pocket at rear of CHAPEL 158.	2
3	A106			WALL TYPES: Revised Wall Type A38 to add gypsum board.	2
4	D/A122			STEEPLE BASE DRAINAGE: Revised dimensions; added note to incorporate square tube pipe boot retrofit flashing.	2
5	G/A123			ROOF VALLEY DETAIL: Relocated this detail from sheet A304 (and changed reference).	2
6	1/A151			REFLECTED CEILING PLAN: Updated lighting in chapel and cultural center; adjusted light cove to accommodate relocated chapel windows.	2
7	1/A201			(Exterior) ELEVATION: Centered stone meetinghouse sign installation within wall area.	2
8	A/A301			BUILDING SECTION: Shifted roof truss layout; added flat truss bracing (TR-13) beneath uppermost (piggy-back) trusses; revised framing at folding partition door headers.	2

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
9	A/A302, B/A302			BUILDING SECTION: Added flat truss bracing (TR-13) beneath uppermost (piggy-back) trusses; added floor anchored steel angle guides within cart storage areas beneath platform. BUILDING SECTION: Added flat truss bracing (TR-13) beneath uppermost (piggy-back) trusses.	2
10	B/A302			BUILDING SECTION: Added flat truss bracing (TR-13) beneath uppermost (piggy-back) trusses.	2
11	A/A303, BA303			BUILDING SECTION: Revised outlooker roof framing. BUILDING SECTION: Centered attic access hatch over vestibule.	2
12	C/A304			ROOF VALLEY DETAIL: Relocated this detail to sheet A123.	2
13	D/A305, G/A305			STEEPLE DETAIL: Revised parapet framing; clarified component elevations. STEEPLE DETAIL: Revised parapet framing; clarified component elevations.	2
14	A/A306, B/A306			PARTIAL SECTION: Revised header framing over mechanical louver opening. PARTIAL ENTRY SECTION: Revised header framing over storefront opening.	2
15	A/A401			DETAIL: Added countersunk finish screw to secure hinged panels accessing ORGAN SPEAKER CHAMBER 156; changed gypsum board thickness to 5/8"; clarified wire mesh backing behind speaker grille fabric.	2
16	B/A401, C/A401, D/A401			DETAIL(s): Clarified wire mesh backing behind speaker grille fabric.	2
17	A/A402, B/A402, C/A402			SECTION DETAIL(s): Changed all references to 1/2" thick gypsum board to be 5/8".	2
18	1/A403			ENLARGED PLATFORM PLAN: Revised volleyball post storage in CLOSET 167— omitted equipment rack wall blocking and added floor sleeves; added wall type designations for walls under floor of PLATFORM 162.	2
19	B/A404			ART NICHE 2 SECTION: Clarified overall dimension to measure framing.	2
20	E/A405			ELEVATION: Added end panel below countertop at space for file cabinet.	2

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
21	G/A501, K/A501, L/A501			<p>HEAD: Revised outer trussed rafter configuration (TR-4A); clarified insulation type.</p> <p>SECTION: Revised trussed rafter bottom chord framing; adjusted dimension to center of folding partition header.</p> <p>JAMB DETAIL: Revised framing in wall behind folding partition jamb.</p>	2
22	R/A502, T/A502			<p>VOLLEYBALL POST SLEEVE DETAIL: Revised footing to agree with structural drawings.</p> <p>BASE DETAIL: Added paver tile base detail.</p>	2
23	A601			FINISH SCHEDULE: Revised.	2
24	A602			DOOR SCHEDULE: Revised.	2
25	F101, 1/F101			<p>PEW SCHEDULE: added new pew P11.</p> <p>FURNISHINGS FLOOR PLAN: Redesignated the next larger pew behind pew P7 in center section to be pew P11.</p>	2
26	D/F501, F/F501, G/F501			<p>DETAIL: Clarified control pedestal height to be 20 inches.</p> <p>DETAIL: Added dimensions to hardwood newel post.</p> <p>DETAIL: Revised control pedestal height to 20 inches.</p>	2
27	S001			<p>Removed "revision clouds" marked as "1"; added EOR Note 4 (below SCHEDULE E) to address additional reviews needed where roof live loads exceed 30 psf.</p> <p>SCHEDULE A (DESIGN CRITERIA): Rearranged some information for seismic design criteria.</p> <p>SCHEDULE D (SITE OBSERVATIONS BY STRUCTURAL ENGINEER): Clarified site observation requirements.</p>	2
28	S002			<p>Removed "revision clouds" marked as "1".</p> <p>SCHEDULE A (WOOD WALL SCHEDULE): Changed field nailing to 6" o.c. where studs are spaced at 24" o.c.; revised ELEVATION NOTES (bottom of schedule) to remove wall sheathing orientation requirements; revised SCHEDULE NOTES to allow shorter nails to attach sheathing provided minimum penetrations are met; added wall blocking diagram.</p>	2
29	S003			<p>Removed "revision clouds" marked as "1".</p> <p>SCHEDULE A (CONCRETE FOOTING SCHEDULE): Added new footing sizes FC4.0 and FS5.0A; removed footing sizes F3.5 and FS5.5.</p> <p>SCHEDULE D (FRAMING NAILING REQUIREMENTS): removed unnecessary nailing requirements.</p> <p>SCHEDULE F (REQUIRED NAIL TYPES): Added note allowing shorter nails at sheathing provided minimum penetrations are met.</p>	2

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30	S004			Removed "revision clouds" marked as "1".	2
31	S005			Removed "revision clouds" marked as "1".	2
32	S006			Removed "revision clouds" marked as "1".	2
33	S101, 1/S101			Removed "revision clouds" marked as "1". FOOTING AND FOUNDATION PLAN: Relocated anchor bolt, holddown, and wall type information from this plan to new plan sheet (see Sheet S102); increased footing size at pop outs; moved bearing walls between Gridlines 3 and 4 at (relative) Gridlines B.8 and G.2 to walls closer to Gridlines D and F.	2
34	1/S102			ANCHOR BOLT, HOLDDOWN, AND WALL TYPE PLAN: Inserted new (renumbered) plan sheet with information relocated from FOOTING AND FOUNDATION PLAN.	2
35	S103, 1/S103			Removed "revision clouds" marked as "1". ROSTRUM AND PLATFORM PLAN: Renumbered plan sheet (as affected by newly inserted plan sheet S102).	2
36	S104, 1/S104			Removed "revision clouds" marked as "1". EQUIPMENT PLATFORM FRAMING PLAN: Renumbered plan sheet (as affected by newly inserted plan sheet S102).	2
37	S105, 1/S105			Removed "revision clouds" marked as "1". ROOF FRAMING PLAN: Renumbered plan sheet (as affected by newly inserted plan sheet S102); moved bearing walls between Grids 3 and 4 at (pseudo) Grids B.8 and G.2 to walls closer to Grids D and F; revised truss layout to be tie into Grid 5; replaced cross framing between TR-7 trusses at Grid 7 with a new TR-5 truss; added EOR Note to 2x6 runners at top triangular portion of hip; added text masking at detail references for clarity.	2
38	S201, 1/S201, 2/S201			Removed "revision clouds" marked as "1". TR-1 TRUSS ELEVATION: Revised steeple loads in top chord LOAD DIAGRAM #4; removed EOR noted "cloud" around top-chord solar panel LOAD DIAGRAM #3. TR-2 TRUSS ELEVATION: Revised top chord bracing at piggyback truss location; removed EOR noted "cloud" around top-chord solar panel LOAD DIAGRAM #3.	2
39	S202, 1/S202, 2/S202			Removed "revision clouds" marked as "1". TR-3 TRUSS ELEVATION: Revised top chord bracing at piggyback truss location; removed EOR noted "cloud" around top-chord solar panel LOAD DIAGRAM #3. TR-4 TRUSS ELEVATION: Revised top chord bracing at piggyback truss location; removed EOR noted "cloud" around top-chord solar panel LOAD DIAGRAM #3.	2

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
40	S203, 1/S203, 2/S203			Removed "revision clouds" marked as "1". TR-4A TRUSS ELEVATION: Revised truss configuration. TR-5 TRUSS ELEVATION: Revised top chord bracing at piggyback truss location; removed EOR noted "cloud" around top chord solar panel LOAD DIAGRAM #3.	2
41	S204, 1/S204, 2/S204			Removed "revision clouds" marked as "1". TR-6 TRUSS ELEVATION: Revised top chord bracing at piggyback truss location; removed EOR noted "cloud" around top chord solar panel LOAD DIAGRAM #3. TR-7 TRUSS ELEVATION: Revised dimensions (at bottom chord); revised top chord bracing at piggyback truss location; removed EOR noted "cloud" around top chord solar panel LOAD DIAGRAM #3.	2
42	S205, 1/S205, 2/S205			Removed "revision clouds" marked as "1". TR-7A TRUSS ELEVATION: Revised dimensions (at bottom chord); revised top chord bracing at piggyback truss location; removed EOR noted "cloud" around top chord solar panel LOAD DIAGRAM #3. TR-8 TRUSS ELEVATION: Removed EOR noted "cloud" around top chord solar panel LOAD DIAGRAM #3.	2
43	S206			Removed "revision clouds" marked as "1".	2
44	S207			Added new sheet for TR-13 cap truss.	2
45	S301			Removed "revision clouds" marked as "1".	2
46	S401			Removed "revision clouds" marked as "1".	2
47	S402, A/S402, B/S402, C/S402, D/S402, E/S402, L/S402, P/S402			Removed "revision clouds" marked as "1". Revised details for steeple support connections at supporting beams and girder. WOOD BEAM AT WOOD WALL: Added new detail.	2
48	S502			Rearranged details to include some changed detail references; corrected spelling errors.	2
49	S511			Removed "revision clouds" marked as "1".	2
50	S512			Removed "revision clouds" marked as "1".	2
51	S514			Removed "revision clouds" marked as "1".	2
52	S521			Removed "revision clouds" marked as "1".	2

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
53	S522, P/S522, N/S522, T/S522			<p>Removed "revision clouds" marked as "1".</p> <p>OUTLOOKER DETAIL AT EAVE: Revised detail.</p> <p>FUTURE SLIDING DOOR SUPPORT: Moved and changed reference for this detail.</p> <p>OUTLOOKER DETAIL AT RAKED WOOD STUD WALL: Replace previous joist bearing detail with this new detail.</p>	2
54	S523, D/S523, E/S523, F/S523, G/S523, H/S523, J/S523, N/S523			<p>Removed "revision clouds" marked as "1".</p> <p>ROOF BLOCKING AT FOLDING PARTITION: Revised to show new truss layout.</p> <p>Hip beam details were revised for easier constructability.</p>	2
55	S524			<p>Removed "revision clouds" marked as "1".</p>	2
56	1/P401, 2/P401			<p>WOMENS RESTROOM 176 WATER SUPPLY: Changed water closet in ambulatory stall to be accessible (WC-2).</p> <p>MENS RESTROOM 172 WATER SUPPLY: Changed water closet in ambulatory stall to be accessible (WC-2).</p>	2
57	1/P402, 2/P402			<p>WOMENS RESTROOM 176 WASTE AND VENT: Revised waste and vent piping runs at water closets, changed water closet in ambulatory stall to be accessible (WC-2).</p> <p>MENS RESTROOM 172 WASTE AND VENT: Revised waste and vent piping runs at water closets, changed water closet in ambulatory stall to be accessible (WC-2).</p>	2
58	1/P901, 2/P901			<p>WOMENS RESTROOM 176 WATER SUPPLY: Changed water closet in ambulatory stall to be accessible (WC-2).</p> <p>MENS RESTROOM 172 WATER SUPPLY: Changed water closet in ambulatory stall to be accessible (WC-2).</p>	2
59	1/P902, 2/P02			<p>WOMENS RESTROOM 176 WASTE AND VENT: Revised waste and vent piping runs at water closets, changed water closet in ambulatory stall to be accessible (WC-2).</p> <p>MENS RESTROOM 172 WASTE AND VENT Revised waste and vent piping runs at water closets, changed water closet in ambulatory stall to be accessible (WC-2).</p>	2

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
60	M101, 1/M101			<p>Relocated DESIGN CONDITIONS schedule to Sheet M601.</p> <p>MECHANICAL FLOOR PLAN: [System F-4] Changed supply air volume, duct size, and diffuser types to both main restrooms (WOMEN 176, MEN 172); [System F-5] Changed supply air volume to FOYER 109, changed several system duct sizes; [System F-6] Changed supply air volume to FOYER 148, changed several system duct sizes; [System F-7] Changed supply air volume to CLERK 110, SERVING AREA 116, and HALLWAY 112, changed return air register type at WAITING 111, changed several system duct sizes; [System F-8] Changed air volume to ROOM 138, FIRE RISER 137, NURSERY 136, ROOM 135, and HALLWAY 146, changed diffuser types at STORAGE 144, ROOM 138, and FIRE RISER 137, revised note for low unlined return air duct drops in NURSERY 136 to include reference to GENERAL NOTE 10; [System F-9] Changed supply air volume to ROOMS 117, 118, 119, MATERIAL CENTER 121, and HALLWAY 122, changed supply air duct sizes between ROOM 119 and MATERIAL CENTER, added ERV-9 relief air duct connection, revised note for low unlined return air duct drops in ROOM 119 to include reference to GENERAL NOTE 10; [System F-10] Changed supply air volume to ROOMS 134, 133, 132, MOTHER'S ROOM 114, and HALLWAY 130; [System F-13] Changed return air register type at HALLWAY 125.</p>	2
61	1/M102			<p>EQUIPMENT PLATFORM PLAN: [Systems F-1 and F-2] Added CO2 sensor in each main return air duct (near Gridline D.2); [System F-3] Changed supply air volume to PLATFORM 162; [System F-4] Changed branch supply duct sizes to Women's and Men's Restrooms; [System F-9] Added ERV-9 and associated duct additions and revisions, changed size of exhaust duct above SERVING AREA and size of associated penthouse PH-1; [System F-13] Changed supply air volume to FOYER 127 sidewall supply air diffuser, revised several system duct sizes.</p>	2
62	1/M301, 2/M301, 3/M301			<p>MECHANICAL SECTION: Revised duct sizes associated with System F-6 to match Sheet M101 revisions.</p> <p>MECHANICAL SECTION: Revised duct sizes associated with System F-6 to match Sheet M101 revisions.</p> <p>MECHANICAL SECTION: Added backdraft damper and note to relief air connection to main return duct serving Chapel system.</p>	2
63	1/M302, 2/M302			<p>MECHANICAL SECTION: Revised duct sizes associated with System F-13 to match Sheet M102 revisions.</p> <p>MECHANICAL SECTION: Changed supply air volume to ROOM 119 to match Sheet M101 revisions.</p>	2

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
64	H/M501			TYPICAL ERV DAMPERING DETAIL: Added back draft damper to relief air duct between ERV unit and main system return air duct.	2
65	F/M502			TYPICAL OUTSIDE AIR DUCT DETAIL (OUTSIDE AIR BALANCE SCHEDULE): Changed volume (BALANCE TO CFM) to F-9 in response to addition of ERV-9.	2
66	M503			REFRIGERANT LINE SIZES: Revised schedule.	2
67	M601			Removed DESIGNER NOTE describing Wasatch Front Area capacities; relocated EXHAUST FAN SCHEDULE to Sheet M602. DX COIL SCHEDULE: Revised capacities and airflows in accordance with design condition changes, revised ELEVATION and CFM TRANSMISSION FACTOR values. CONDENSING UNIT SCHEDULE (COOLING ONLY): Retitled schedule title from COMPRESSOR UNIT SCHEDULE to allow system references to accommodate future localization coordination; changed minimum nominal sizes for systems CU-1a, CU-1b, CU-1c, CU-1d, CU-7, CU-8, CU-10, and CU-13. FAN UNIT SCHEDULE (GAS FIRED FURNACE): Retitled schedule from FURNACE SCHEDULE to allow system references to accommodate future localization coordination, revised capacities and airflows in accordance with design condition changes, changed most two-stage furnaces to single stage (need PSC motors), deleted Schedule Notes 10 and 11 with all references. ENERGY RECOVERY VENTILATOR SCHEDULE: Added ERV-9 information. DESIGN CONDITIONS: Relocated schedule from Sheet M101 with revised values.	2
68	M602			DIFFUSER SCHEDULE: Changed C.F.M. RANGE for D-5, D-6, and D-9, changed DIFFUSER SIZE for D-5. REGISTER, LOUVER & GRILLE SCHEDULE: Changed CFM RANGE for R-5, S-1, and PH-1, changed NOMINAL SIZE for S-1 and PH-1. EXHAUST FAN SCHEDULE: Relocated schedule from Sheet M601.	2
69	ME101, 2/ME101			Removed sheet Note-9. AUTOMATIC TEMPERATURE CONTROL – EQUIPMENT PLATFORM PLAN: Added CO2 sensor to each main return air duct for Systems F-1 and F-2 (near Gridline D.2).	2
70	ME201			WIRING DIAGRAM: Added two-sensor averaging wiring set-up for System F-9.	2

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71	ME202			WIRING DIAGRAM: Removed references to System F-9 (now shown on Sheet ME201 WIRING DIAGRAM).	2
72	ME203			WIRING DIAGRAM: Removed reference to Note #9 at all furnaces.	2
73	ME204, ME301			Renumbered sheet.	2
74	1/E101			MAIN FLOOR LIGHTING PLAN: Added emergency battery backup to lighting fixtures in ROOM 173, ROOM 174, and ROOM 175; moved light switches and exit signs near both side entrances at rear of CHAPEL 158.	2
75	E102			MAIN FLOOR POWER PLAN: Moved outlets near both side entrances at rear of CHAPEL 158.	2
76	1/E103			EQUIPMENT PLATFORM POWER PLAN: Added disconnect switch with associated circuit wiring for new energy recovery ventilator ERV-9 [Furnace System F-9].	2
77	1/E501, 5/E501, 8/E501			CONDENSING UNIT CONDUIT DETAIL: Revised conduit routing. BUILDING EXTERIOR LIGHTING CONTROL DIAGRAM: Added another building exterior lighting circuit; clarified TIME SWITCH to be DIGITAL TIME CLOCK with PHOTO CELL control. STORAGE BUILDING ELECTRICAL PLAN: Added IRRIGATION CLOCK with related wiring information.	2
78	E601			EQUIPMENT SCHEDULE and EXHAUST FAN SCHEDULE: Revised electrical circuiting information for mechanical equipment. (Lighting) FIXTURE SCHEDULE: Extensively updated manufacturer's name and catalog numbers for lighting fixtures; eliminated unused lighting fixture Type F28.	2
79	E602, 1/E602			ELECTRICAL PANEL SCHEDULE(s): Coordinated panel loads for revised mechanical loads. SINGLE LINE DIAGRAM: Upgraded electrical service size to 800 amperes, changed service wire sizes to 3#500KCMIL with 1#2/0 NEUTRAL, changed conduit size to 4 inches, and added provision for potential connection to satellite support pipe.	2
80	2/FA101, 3/FA101			EQUIPMENT PLATFORM FIRE ALARM PLAN: Added duct smoke detectors for furnaces F-1a, F-1b, F-1c, F-1d, F-2a, F-2b, F-2c, and F-2d. FIRE RISER: Added duct smoke detectors for furnaces F-1a, F-1b, F-1c, F-1d, F-2a, F-2b, F-2c, and F-2d.	2

Item Number	Affected Sheet No's and Detail No's	Affected Spec. Section	SPC No.	Description	Priority Level
81	1/LP101			LIGHTNING PROTECTION PLAN: Added PLAN NOTE 3 clarifying instructions to coordinate connection of steeple with lightning protection system; removed redundant details for THRU-ROOF CONNECTOR (TR) that are shown elsewhere (C/A308).	2

Standard Plan Drawing File Naming Conventions

Heritage T

(meetinghouse, stake center, and stake addition)

Plan Code	Drawing Prefix	Drawing Sheet Filename
HET-MBS-09-01	HMBS	HMBS-A202-option codes.dwg

Character #	Code	Meaning
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Plan Code Explanation

1-3	HET	Heritage with transverse cultural center standard plan
4	M A S	meetinghouse (stake) addition (building types) stake center
5	A B C D	meetinghouse styles
6	[L] S	[reserved – low sloped roof] (steep) sloped roof
7-8	09	year standard plan was initially developed
9-10	01+	standard plan release number

Drawing Prefix Explanation

1	H	Heritage with transverse cultural center plan
2	M A S	meetinghouse (stake) addition (building types) stake center
3	A B C D	meetinghouse styles
4	[L] S	[reserved – low sloped roof] (steep) sloped roof

Drawing Sheet Filename Explanation

1-4	HMBS	standard plan drawing prefix
5-8(9)	A302 (ME101)	drawing sheet number – discipline code (can be two letters) and sheet sequence number
(9)-n	r1k2...	localization option codes (flexible string of two digit letter and number codes) – where applicable
n+1	.dwg	drawing format extension