

ISSUED 5-Feb-2010	DESIGN STANDARD ELECTRIC OPERATIONS ORGANIZATION 	C3813 – Appendix Rev. 0 Page 1 of 4
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C3813 - Appendix

NSTAR Precast Concrete Manholes, Covers, and Accessory Material Supplier Part Numbers

Scope

This appendix is to be used in conjunction with other NSTAR construction standards including:

C3813 - Installation of Precast Concrete Manholes

D3820- 15/25kV PRIMARY UNDERGROUND DISTRIBUTION SYSTEMS TO 200 AMPS

The document lists the approved vendor names and part/drawing numbers for the commonly used NSTAR standard precast manholes, manhole covers, frames and adapters. Grounding materials are also included. Construction standard C3813 provides installation details.

The NSTAR Catalog Identification number is an internal reference for NSTAR, but it can be used at approved suppliers to make sure the manufacturer and part number are exactly to NSTAR specs. NSTAR designers may use cat IDs in drawings to identify specific materials.

NSTAR Material Standards (such as M1310) may provide specific dimensional and design information needed for manufacturers; they may detail one or several similar catalog ID items.

All conduits, cable, fittings, manholes, pull boxes and transformer pads must be installed to NSTAR specifications.

Approved NSTAR Supplier (not limited to):

WESCO Distribution Co. Inc.
Manchester 1120
117 Londonderry Turnpike
Hooksett, NH 03106
603-391-3118 Tel
603-391-3126 Fax

ISSUED 5-Feb-2010	DESIGN STANDARD ELECTRIC OPERATIONS ORGANIZATION 	C3813 – Appendix Rev. 0 Page 2 of 4
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1.0. Precast Manholes – Common Designs

DESCRIPTION	NSTAR Catalog ID	Manufacturer	Drawing/ Part #
M1201 - 4'x4'x4' ht - secondary, split fiber w/bottom	16246	Old Castle Precast	OM-1148R2
	"	Utility Precast	M1201
M1202 - 4'x6'x6' ht - primary splicing (URD)	16238	Old Castle Precast	OM-1149R
	"	Utility Precast	M1202
	"	E.F.Shea Concrete	M1202
M1203 - 6'x 0'x6' ht - primary splicing	16239	Old Castle Precast	OM-1150R
	"	Utility Precast	M1203
M1204 - 6'x10'x8' ht - primary splicing	16240	Old Castle Precast	OM-1151R
M1205 - 6'-6"x12'-6"x7'-10" HA-300	16241	Old Castle Precast	OM-1152
M1206 - 6'-6"x 7'-6"x 7'-10"	16326	Old Castle Precast	OM-1153
M1207 - 3'x3x4' ht - primary junction box	9436	Old Castle Precast	OM-1154
	"	Utility Precast	M1207
M1208 - 4'x4'x4' ht - secondary (URD, open bottom)	9435	Old Castle Precast	OM-1155
	"	Utility Precast	M1208
M1209 - 5'x7'x6'-6" ht	16237	Old Castle Precast	OM-1156
	"	Utility Precast	M1209
M1209 - 5'x7'x6'-8" ht		Acme Precast	

2.0 Precast Manholes – Less Common Designs

Description	NSTAR Catalog ID	Manufacturer	Drawing/ Part #
M1210 - 5'x10'x7' ht - 3-way station get-a-way	9441	Old Castle Precast	OM-1157
	"	Utility Precast	M1210
	"	Acme Precast	M1210

ISSUED 5-Feb-2010	DESIGN STANDARD ELECTRIC OPERATIONS ORGANIZATION 	C3813 – Appendix Rev. 0 Page 3 of 4
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M1211 - 10'x13'x6'-6" ht - 3-way station get-a-way	16242	Old Castle Precast	OM-1158
M1212 - 10'x13'x8' ht - 3-way station get-a-way	16243	Old Castle Precast	OM-1159
M1213 - 6'x14'x8' ht - 3-way station get-a-way	16244	Old Castle Precast	OM-1160R
M1214 - 8'x14'x8' ht - 3-way station get-a-way	16245	Old Castle Precast	OM-1161
M1215 - 6'x-13'x6'-6"	15170	Old Castle Precast	OM-1162
	"	Utility Precast	M1215
M1216 - 5'x-5'x5' ht - primary splice (URD)	9437	Old Castle Precast	OM-1163
		Utility Precast	M1216
M1217 - 13'x-13'x8' ht - 4-way station get-a-way	18090	Old Castle Precast	n/a

3.0 Precast Transformer Pads

DESCRIPTION	NSTAR Catalog ID	Manufacturer	Drawing/ Part #
M3801 - Three Phase Transformer Pad Foundations, up to 300kVA	14706	Old Castle Precast	
	"	Utility Precast	
M3801 - Three Phase Transformer Pad Foundations, up to 2500kVA	14715	Old Castle Precast	
	"	Utility Precast	

ISSUED 5-Feb-2010	DESIGN STANDARD ELECTRIC OPERATIONS ORGANIZATION 	C3813 – Appendix Rev. 0 Page 4 of 4
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4.0 Manhole Frames and Covers

DESCRIPTION	NSTAR Catalog ID	Manufacturer	Drawing/ Part #
Standard Cover & Frame Assembly: No.1 MH Frame & Solid Cover	1384 & 1347	East Jordan Iron Works (fmrly LeBaron)	LE270NSTARALT
M1303 - No. 1 MH Frame only (standard size)	1384		959B
M1304 - No. 1-L Frame only (low profile)	1385		967A
M1305 - No. 0 MH Frame (large round opening) and M1306 Reducing Adapter	1382 & 1097		2884 & 3180
M1307 - No. 00 MH Frame only (square opening) & M1308 - Square to Round Adapter for No. 00 Frame	1383 & 1098		961 & 962
M1308 - No. 1 Solid Cover	1347		960C
M1308 - No.-V Solid Cover	1348		2888A
M1308 - No.1-B Vented Cover	16296		3947

6.0 Manhole Grounding Accessories

DESCRIPTION	NSTAR Catalog ID	Manufacturer	Drawing/ Part #
5/8" x 8' L Coprweld Grnd Rod	9229	Blackburn	6258S
	"	Erico	635880
Mechanical Connector, 4/0 Cu - Ground Rod	597	Blackburn	GUV5825
	"	Burndy	GAR6429
Mechanical Connector, 1/0 Cu - Ground Rod	9009	Anderson	GC-103-01
	"	Blackburn	JAB-58H
		Erico	NDCR58R
Mechanical Connector, 4/0 Cu - 4/0 Cu wire	608	Blackburn	2B40W
	"	Burndy	KVS-W28
Manhole ID Tag Holder	366	Tech Products	PH109