

BILL OF MATERIALS FOR VMS/VSLs SUPPORT STRUCTURE FABRICATION

SUBASSEMBLY	ITEM NO.	ITEM DESCRIPTION	SOURCING INFORMATION
1.0 WALKWAY GRATING			
	I.1	STEEL GRATING (GALVANIZED)	MCNICHOLS SGW-I25A-2
	I.2	NUT INSERTS	MCMaster-CARR - 98005A330
	I.3	SADDLE CLIPS	MCNICHOLS TYPE CB, STAINLESS STEEL
	I.4	BOLTS	MCMaster-CARR - 92196A331
2.0 METAL FENCING			
	2.1	EXPANDED METAL FENCING (GALVANIZED)	AMICO "SECURA FENCE" - ASF I.5-9R
	2.2	GALV. WASHER	FASTENAL - 0189951
	2.3	SPRING PLUNGER	MCMaster-CARR - 8691A182
	2.4	SAFETY EDGING	AMICO SAFETY EDGING 2"x0.295" (SEE NOTE 5)
	2.5	NUT INSERTS	MCMaster-CARR - 98005A180
3.0 ACCESS DOOR			
	3.1	WELD-ON HINGE	MCMaster-CARR - 3636A6
	3.2	EXPANDED METAL FENCING (GALVANIZED)	AMICO "SECURA FENCE" - ASF I.5-9R
	3.3	HANDLE (LOCKABLE, LADDER SIDE)	MCMaster-CARR - I249A11
4.0 LADDER SYSTEM			
	4.1	ACCESS LADDER (GALVANIZED)	FS INDUSTRIES - F15WL3 (SEE NOTE 4)
	4.2	FALL ARREST SYSTEM	MILLER - "TRANSCENDOR" MODEL TRS-30
	4.3	SAFETY GATE	MCMaster-CARR - 4073K22
	4.4	NUT INSERTS	MCMaster-CARR - 98560A581
	4.5	RUBBER BUMPER WITH THREADED STUD	MCMaster-CARR - 954IK11
	4.6	LADDER RUNG	AMERICAN STEP - LML-I3-NCR
5.0 WIRE PULL HAND HOLES			
	5.1	CAST STAINLESS STEEL DECK PLATE, 4" DIA.	REVO USA - ITEM 110117
	5.2	6" STAINLESS STEEL GROMMET	MCMaster-CARR - 4911K11
6.0 TRUSS CONNECTION			
	6.1	PIPE NIPPLE	MCMaster-CARR - 7727K351
	6.2	NEOPRENE BEARING MATERIAL	MCMaster-CARR - 9013K337
	6.3	2" DIA. LOCK NUT	MCMaster-CARR - 44605K217
	6.4	WASHER	MCMaster-CARR - 93550A130
	6.5	CAST STAINLESS STEEL DECK PLATE, 5" DIA.	REVO USA - ITEM 110217
	6.6	STAINLESS STEEL LOCK PIN	MCMaster-CARR - 89325K171
	6.7	STAINLESS STEEL HAIRPIN COTTER PIN	MCMaster-CARR - 92391A778
7.0 VMS/VSLs CONNECTIVITY			
	7.1	2" WIRING HUBS	MCMaster-CARR - 7513K86
8.0 INTERIOR HAND RAILING			
	8.1	IRON HANDRAIL FITTING (GALVANIZED)	MCMaster-CARR - 4936T36/4936T19
9.0 EXTERIOR HAND RAILING			
	9.1	STAINLESS STEEL THREADED FLANGE	MCMaster-CARR - 44695K14
	9.2	NUT INSERT	MCMaster-CARR - 98560A593
	9.3	ALUMINUM THREADED PIPE POST	MCMaster-CARR - 5038K137
	9.4	ALUMINUM PIPE RAIL	MCMaster-CARR - 5038K22
	9.5	RAILING PIPE TEE (TOP RAIL)	MCMaster-CARR - 4698T16
	9.6	RAILING PIPE ELBOW (TOP RAIL)	MCMaster-CARR - 4698T33
	9.7	RAILING PIPE 3-OUTLET ELBOW (TOP RAIL)	MCMaster-CARR - 4698T113
	9.8	RAILING PIPE ELBOW WITH THRU-HOLE (MID RAIL)	MCMaster-CARR - 4698T38
	9.9	RAILING PIPE 2-PIECE ELBOW W/ THRU HOLE	MCMaster-CARR - 4698T75
10.0 SAFETY TIE OFF POINT			
	10.1	EYE NUTS	MCMaster-CARR - 3061T25
	10.2	THREADED CONNECTORS	MCMaster-CARR - 8947T27
	10.3	FLANGE HEX BOLT	MCMaster-CARR - 92316A628
	10.4	HOIST RING	MCMaster-CARR - 3046T75 (SEE NOTE 6)
11.0 PULLEY BLOCK ASSEMBLY			
	11.1	STAINLESS STEEL PULLEY BLOCK	MCMaster-CARR - 31625T41
	11.2	SHACKLES	MCMaster-CARR - 3841T54

BILL OF MATERIALS NOTES:

- THE BILL OF MATERIALS PRESENTED ON THIS SHEET IS PROVIDED FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE ITEMS SHOWN IN THIS BILL OF MATERIALS ARE CORRECT AND CURRENTLY AVAILABLE. SHOULD ANY OF THE SHOWN ITEMS NOT CONFORM TO THE DESIGN INTENT OF THESE STANDARD DRAWINGS OR THE STANDARD SPECIFICATIONS, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY. SHOULD ANY OF THE SHOWN ITEMS BECOME NO LONGER AVAILABLE FROM THE LISTED SOURCES, THE AUTHORITY SHALL BE CONTACTED IMMEDIATELY FOR SELECTION OF AN APPROVED ALTERNATE ITEM.
- SHOP DRAWINGS AND/OR MANUFACTURER'S DETAILED LITERATURE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL FOR ALL ITEMS PRIOR TO INSTALLATION IN ACCORDANCE WITH THE SPECIFICATIONS.
- EQUIVALENT ITEMS MAY BE SUBSTITUTED FOR ANY OF THE LISTED ITEMS WITH THE ENGINEER'S REVIEW AND APPROVAL. ALL MATERIAL, STRENGTH, AND SAFETY PROPERTIES OF THE SUBSTITUTED ITEMS SHALL BE EQUAL TO OR GREATER THAN THOSE OF THE LIST. THE OPEN AREA RATIO OF ANY SUBSTITUTED FENCING OR WALKWAY GRATING SHALL BE EQUAL TO OR LESS THAN THOSE LISTED.
- FOR THE FS INDUSTRIES SERIES "F" ACCESS LADDER, THE "15" IN THE MODEL NUMBER DENOTES THE NUMBER OF RUNGS REQUIRED. PROVIDE LOCKABLE LG-8 SECURITY LADDER GUARD WITH CORROSION RESISTANT SESAMEE PADLOCK MODEL NO. KCRO436, OR APPROVED EQUAL. THE LADDER GUARD SHALL FEATURE A 4" MIN. OFFSET FROM THE FACE OF THE SUPPORTING ANGLES WITH THE LOCK-OPEN HASP LOCATED AS CLOSE TO THE BOTTOM OF THE LADDER AS PRACTICAL.
- SAFETY EDGING SHALL BE A FABRICATED U-SHAPE WITH TWO EQUAL OUTSTANDING LEGS 2" TALL WRAPPED AROUND THE EXPANDED METAL MESH, AND A 0.295" OPENING BETWEEN THE OUTSTANDING LEGS. SAFETY EDGING SHALL BE FABRICATED FROM GALVANIZED IBGA (0.0475") HOT ROLLED STEEL AND SECURED TO THE EXPANDED METAL MESH USING SS 1/4" DIA. x 1" LONG MACHINE SCREWS WITH NUT AND WASHER.
- HOIST RING SHALL BE DRILLED AND TAPPED INTO THE END VERTICAL STRUT AS SHOWN ON THE PLANS.
- CONTACT INFORMATION FOR THE LISTED MANUFACTURERS:

AMICO (ALABAMA METAL INDUSTRIES CORPORATION)
 3245 FAYETTE AVENUE
 BIRMINGHAM, AL 35208
 1-800-366-2642
 WWW.AMICO-SECURITYPRODUCTS.COM

REVO USA MANUFACTURING
 P.O. BOX 4845
 SANTA ROSA, CA. 95402
 1-707-477-0405
 WWW.AQUALUXX.COM

FS INDUSTRIES
 50 SPRAGUE STREET
 PROVIDENCE, RI 02907
 1-800-421-0314
 WWW.FSINDUSTRIES.COM

MILLER FALL PROTECTION
 1345 15th STREET
 FRANKLIN, PA 16323
 1-800-873-5242
 WWW.MILLERFALLPROTECTION.COM

MCMaster-CARR
 200 NEW CANTON WAY
 ROBBINSVILLE, NJ 08691
 1-609-689-3000
 WWW.MCMaster.COM

AMERICAN STEP COMPANY, INC.
 P.O. BOX 137
 830 EAST BROADWAY
 GRIFFEN, GA 30224
 1-800-988-7837
 WWW.AMERICANSTEP.COM

MCNICHOLS CO.
 2502 NORTH ROCKY POINT DRIVE, SUITE 950
 TAMPA, FL 33607-1421
 1-800-237-3820
 WWW.MCNICHOLS.COM

FASTENAL
 2001 THEURER BLVD.
 WINONA, MN 55987
 1-507-454-5374
 WWW.FASTENAL.COM



	3	3/11	REVISED AND ADDED ITEMS AND SOURCING INFO
	2	3/10	ADDED ITEMS AND REVISED SOURCING INFO
	1	4/09	UPDATE VENDOR LISTING
	0	8/08	ORIGINAL DRAWING
APP.	NO.	DATE	REVISION

NEW JERSEY TURNPIKE AUTHORITY NEW JERSEY TURNPIKE	
OVERHEAD SPAN VMS/VSLs SUPPORT STRUCTURES BILL OF MATERIALS	
OFFICE OF THE CHIEF ENGINEER NEW JERSEY TURNPIKE AUTHORITY WOODBRIDGE NEW JERSEY	2008 STANDARD DRAWING VM-10