

NORTHWESTERN UNIVERSITY
PROJECT NAME _____
JOB # _____

FOR: _____
ISSUED: 11/06/2017

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- E# S/6\$4, " '7'2%2' / (*: O92%' (, %43 28. , /1 +// \$ 3%\$+&%\$, 1\$/ 7 % *' ()-, 7% (61%426\$, \$ #
 - 1# P\$/0+, , -, 42\$'1', + +// \$ 3%\$+&%\$, 1\$/ 7 *%7 , 7% (61%426\$, \$ *% 7 , 43% ('4%- +// \$ 3%\$+&%\$, 5 6(-, ** /23, \$&'*, '(+ '4%2, + # M% (61%426\$, \$* 23%2 ., \$1/\$7 , -, 42\$'4%- 7 /+ '1'4%2' / (* % (+ 23%2 %\$, - '2, + 98 % 2, *2' () % (+ ' (* ., 42' () %), (48 %44, .2%9-, 2/ %623/\$'2', * 3%0' () B6\$' *+42' / (%\$, %44, .2%9-, #
 - 2# P\$/0+, , -, 42\$'/7 , 43% ('4%- +// \$ 3%\$+&%\$, 1\$/ 7 23, *%7 , 7% (61%426\$, \$ *% 7 , 43% ('4%- +// \$ 3%\$+&%\$, 5 6(-, ** /23, \$&'*, '(+ '4%2, + #

- F# F'\$, R%2, + D// \$ A** , 79-' , *: W3, \$, 1\$, \$%2, + +// \$ %** , 79-' , * %\$, '(+ '4%2, +5 . \$/0'+, +// \$ 3%\$+&%\$, \$%2, + 1/\$ 6* , '(%** , 79-' , * 4/7 .8' () &'23 NFPA 80 23%2 %\$, - '2, + % (+ -%9, -, + 98 % A6%- '1', + 2, *2' () %), (485 1/\$ 1'\$, . \$/2, 42' / (\$%2' () * '(+ '4%2, +5 9%* , + / (2, *2' () %2 . / *'2'0, . \$, **6\$, %44/\$+ ' () 2/ NFPA 2->2 / \$ U" 10C5 6(-, ** /23, \$&'*, '(+ '4%2, + #

- I# S7 / ? , % (+ D\$%12 C / (2\$ / - D// \$ A** , 79-' , *: W3, \$, * 7 / ? , % (+ + \$%12 4 / (2\$ / - +// \$ %** , 79-' , * %\$, \$, A6'\$, +5 . \$/0'+, +// \$ 3%\$+&%\$, 23%2 7 , 2 \$, A6'\$, 7 , (2* /1 %** , 79-' , * 2, *2, + %44/\$+ ' () 2/ U" 178= % (+ ' (*2%-- , + ' (4 / 7 .-' % (4 , &'23 NFPA 10>#
 - 1# A' \$ " , %?%) , R%2, : M% < '7 67 %\$ - , %?%) , /10#: 417 / *A# 12# H: 46# 7 . , \$ 7' (62, / *A# 7D %2 23, 2, *2, + . \$, **6\$, + '11, \$, (2%- /1 0#: ' (43 &) H7> P% D /1 &%2, \$ #

- H# E-, 42\$'1', + D// \$ H%\$+&%\$, : " '2, + % (+ -%9, -, + %* +, ' (, + ' (NFPA 705 A\$2'4-, 1005 98 % 2, *2' () %), (48 %44, .2%9-, 2/ %623/\$'2', * 3%0' () B6\$' *+42' / (#

- I# M, % (* /1 E)\$, ** D// \$*: "%243, * + / (/2 \$, A6'\$, 7 / \$, 23% (1 > -91 H67 ND 2 / \$, -, %* , 23, -%243# " /4? * + / (/2 \$, A6'\$, 6* , /1 % ? , 85 2 / /5 / \$ * . , 4%- ? (/ &- , +), 1 / \$ / . , \$%2' / (#

- J# A44, ** '9-' 28 R, A6'\$, 7 , (2*: C / 7 .8 &'23 % . .-' 4%9-, . \$/0' *' / (* ' (23, DOJ: * 2010 ADA S2% (+%\$+* 1/\$ A44, ** '9-, D, *') (23, ABA S2% (+%\$+* /1 23, F, +, \$%- %), (48 3%0' () B6\$' *+42' / (% (+ ICC A117#1 1/\$ +// \$ 3%\$+&%\$, / (+// \$ * ' (% (%44, ** '9-, \$ /62, #
 - 1# P\$/0+, / . , \$%2' () + , 0'4, * 23%2 + / (/2 \$, A6'\$, 2') 32) \$%* . ' () 5 . ' (43' () 5 / \$ 2&'2' () /1 23, &'2 % (+ 23%2 / . , \$%2, &'23 % 1/\$4, /1 (/2 7 / \$, 23% (> -91 H22#2 ND#
 - 2# C / 7 .8 &'23 23, 1 / - / &' () 7 % < '7 67 / . , (' () 1 / \$4, \$, A6'\$, 7 , (2* :
 - %# 1 (2, \$ / \$5 N / (F'\$, R%2, + H' () , + D// \$*: > -91 H22#2 ND % . .-' , + . , \$. , (+46-%2 / +// \$ #
 - 9# S-' + ' () / \$ F / - + ' () D// \$*: > -91 H22#2 ND % . .-' , + . %\$%-- , - 2 / +// \$ %2 -%243#
 - 4# F'\$, D// \$*: M' ('7 67 / . , (' () 1 / \$4, %-- / &%9-, 98 %623/\$'2', * 3%0' () B6\$' *+42' / (#

- :# B, 0, - \$%* , + 23\$, *3 / - + * &'23 % * - / . , /1 (/2 7 / \$, 23% (1:2# P\$/0'+, 23\$, *3 / - + * (/2 7 / \$, 23% (1/2 ' (43 H1: 7 7 D 3') 3#
- =# C- / * , \$*: A + B6*2 +// \$ % (+) %2, 4- / * , \$ * & , , . . \$, / + * * / 23%25 1\$/ 7 % (/ . , (. / *'2' / (/1 10 +,) \$, , *5 23, 2' 7 , \$, A6'\$, + 2 / 7 / 0, 23, +// \$ 2 / % . / *'2' / (/1 12 +,) \$, , * 1\$/ 7 23, -%243 ' * > * , 4 / (+ * 7' ('7 67 #

- E# P\$, S697 '22%- C / (1, \$, (4, : C / (+642 4 / / \$ + ' (%2' / (4 / (1, \$, (4, ' (4 / 7 .-' % (4 , &'23 \$, A6'\$, 7 , (2* ' (D'0' *' / (01 S, 42' / (; P\$/B, 42 M, , 2' () *; &'23 %22, (+% (4, 98 \$, . \$, * , (2%2'0, * /1 S6 . .-' , \$H*D5 I (*2%-- , \$H*D5 % (+ C / (2\$%42 / \$H*D 2 / \$, 0', & . \$ / . , \$ 7, 23 / + * % (+ . \$ / 4, +6\$, * 1 / \$ \$, 4, '0' () 5 3% (+-' () 5 % (+ ' (*2%-- ' () +// \$ 3%\$+&%\$, #
 - 1# P\$' / \$ 2 / ' (*2%--%2' / (/1 +// \$ 3%\$+&%\$, 5 %\$%\$ () , 1 / \$ 7 % (61%426\$, \$ * \$, . \$, * , (2%2'0, * 2 / 3 / - + % . \$ / B, 42 * . , 4'1'4 2\$% ' (') 7 , , 2' () 2 / ' (*2\$642 23, ' (*2%--' () 4 / (2\$%42 / \$ * C . , \$ * / ((, - / (23, . \$ / . , \$ ' (*2%--%2' / (% (+ % + B6*2 7 , (2 /1 23, ' \$ \$, * . , 42'0, . \$ / + 642 * # P\$ / + 642 2\$% ' (') 2 / 9, %22, (+, + 98 ' (*2%-- , \$ * /1 +// \$ 3%\$+&%\$, H' (4-6+ ' () , -, 42\$ / 7 , 43% ('4%- 3%\$+&%\$, D 1 / \$

2# 1(* . , 42 % (+ + ' * 46 * * , - , 42 \$ 4 % - \$ / 6) 3 ' () ' (5 . / & , \$ * 6 . . - 8 4 / ((, 42 ' / (* 5 % (+ / 23 , \$. \$, . % \$ % 2 / \$ 8 & / \$? . , \$ 1 / \$ 7 , + 98 / 23 , \$ 2 \$ % + , * #

:# R , 0 ' , & * , A6 , (4 , / 1 / . , \$ % 2 ' / ((% \$ \$ % 2 ' 0 , * 1 / \$, % 43 6 (' A6 , % 44 , * * 4 / (2 \$ / - , + / . , (' () #

=# R , 0 ' , & % (+ 1 ' (% - ' @ , 4 / (* 2 \$ 6 4 2 ' / (* 43 , + 6 - , % (+ 0 , \$ ' 18 % 0 % ' - % 9 ' - ' 28 / 1 7 % 2 , \$ ' % - * #

># R , 0 ' , & 23 , \$, A6 \$, + ' (* . , 42 ' () 5 2 , * 2 ' () 5 4 / 7 7 ' * * ' / (' () 5 % (+ + , 7 / (* 2 \$ % 2 ' / (. \$ / 4 , + 6 \$, * #

1#7 DE "IVERY5 STORA ! E5 AND HAND "IN !

A# I (0 , (2 / \$ 8 + / / \$ 3 % \$ + & % \$, / (\$, 4 , ' . 2 % (+ . \$ / 0 ' + , * , 46 \$, - / 4 ? 6 . 1 / \$ + / / \$ 3 % \$ + & % \$, + , - ' 0 , \$, + 2 / P \$ / B , 42 * 2 , # D / (/ 2 * 2 / \$, - , 42 \$ / (' 4 % 44 , * * 4 / (2 \$ / - 3 % \$ + & % \$, 5 * / 12 & % \$, / \$ % 44 , * * / \$ ' , * % 2 P \$ / B , 42 * 2 , & ' 23 / 62 . \$ / \$ % 6 2 3 / \$ @ % 2 ' / (#

B# R , 4 , ' 0 , O & (, \$. \$ / 0 ' + , + 48 - ' (+ , \$ * 5 % (+ . \$ / 0 ' + , % * , 46 \$, - / 4 ? 6 . 1 / \$ 48 - ' (+ , \$ * + , - ' 0 , \$, + 2 / 23 , P \$ / B , 42 * 2 , #

C# T %) , % 43 ' 2 , 7 / \$. % 4 ? %) , * , . % \$ % 2 , - 8 & ' 23 ' + , (2 ' 1 ' 4 % 2 ' / (4 / / \$ + ' (% 2 , + & ' 23 23 , 1 ' (% - + / / \$ 3 % \$ + & % \$, * 43 , + 6 - , 5 % (+ ' (4 - 6 + , ' (* 2 % - - % 2 ' / (' (* 2 \$ 6 4 2 ' / (* 5 2 , 7 . - % 2 , * 5 % (+ (, 4 , * * % \$ 8 1 % * 2 , (, \$ * & ' 23 , % 43 ' 2 , 7 / \$. % 4 ? %) , #

D# D , - ' 0 , \$ 5 % * % . . - 4 % 9 - , % - 7 % (6 1 % 4 2 6 \$, * 6 . . - ' , + 5 . , \$ 7 % (, (2 ? , 8 * 5 % 44 , * * 4 / (2 \$ / - 4 \$, + , (2 ' % - * 5 * / 12 & % \$, % (+ \$, - % 2 , + % 44 , * * / \$ ' , * + \$, 42 - 8 2 / O & (, \$ 0 ' % ' (. , \$ * / (+ , - ' 0 , \$ 85 \$,) ' * 2 , \$, + 7 % ' - / \$ / 0 , \$ ' () 3 2 . % 4 ? %) , * , \$ 0 ' 4 , #

1#8 COORDINATION

A# C / / \$ + ' (% 2 , - % 8 / 6 2 % (+ ' (* 2 % - - % 2 ' / (/ 1 1 - / / \$ \$, 4 , * * , + + / / \$ 3 % \$ + & % \$, & ' 23 1 - / / \$ 4 / (* 2 \$ 6 4 2 ' / (# C % * 2 % (4 3 / \$ ' () ' (* , \$ 2 * ' (2 / 4 / (4 \$, 2 , #

B# I (* 2 % - - % 2 ' / (T , 7 . - % 2 , * : D ' * 2 \$ ' 9 6 2 , 1 / \$ + / / \$ * 5 1 \$ % 7 , * 5 % (+ / 23 , \$ & / \$? * . , 4 ' 1 , + 2 / 9 , 1 % 4 2 / \$ 8 . \$, . % \$, + # C 3 , 4 ? S 3 / . D \$ % & ' () * / 1 / 23 , \$ & / \$? 2 / 4 / (1 ' \$ 7 23 % 2 % + , A 6 % 2 , . \$ / 0 ' * ' / (* % \$, 7 % + , 1 / \$ - / 4 % 2 ' () % (+ ' (* 2 % - - ' () + / / \$ 3 % \$ + & % \$, 2 / 4 / 7 . - 8 & ' 23 ' (+ 4 % 2 , + \$, A 6 \$, 7 , (2 * #

C# S , 46 \$ ' 28 : C / / \$ + ' (% 2 , ' (* 2 % - - % 2 ' / (/ 1 + / / \$ 3 % \$ + & % \$, 5 ? , 8 ' () 5 % (+ % 44 , * * 4 / (2 \$ / - & ' 23 O & (, \$ * * , 46 \$ ' 28 4 / (* 6 - 2 % (2 #

D# O & (, \$ P \$ / 0 ' + , + " / 4 ? C 8 - ' (+ , \$ * :

1# C / / \$ + ' (% 2 , + / / \$ 3 % \$ + & % \$, * 6 9 7 ' 22 % - 2 / % - / & 1 / \$ O & (, \$ % 4 2 ' 0 ' 2 ' , * / 1 , * 2 % 9 - ' * 3 ' () % ? , 8 ' () * 43 , + 6 - , 5 . \$ / 46 \$ ' () 23 , 48 - ' (+ , \$ * 5 . ' ((' () 23 , 48 - ' (+ , \$ * 5 % (+ 46 2 2 ' () % (+ + * 2 \$ ' 9 6 2 ' () 23 , ? , 8 * #

2# C / / \$ + ' (% 2 , \$, 4 , ' . 2 % (+ ' (* 2 % - - % 2 ' / (/ 1 23 , O & (, \$. \$ / 0 ' + , + - / 4 ? 48 - ' (+ , \$ * * / 23 % 2 4 / (* 2 \$ 6 4 2 ' / (% 4 2 ' 0 ' 2 ' , * \$, 7 % ' (/ (* 43 , + 6 - , #

E# E - , 42 \$ 4 % - S 8 * 2 , 7 R / 6) 3 ' () I (: C / / \$ + ' (% 2 , - % 8 / 6 2 % (+ ' (* 2 % - - % 2 ' / (/ 1 , - , 42 \$ ' 1 ' , + + / / \$ 3 % \$ + & % \$, & ' 23 4 / ((, 42 ' / (* 2 / . / & , \$ * 6 . . - ' , * % (+ 96 - + ' () * % 1 , 28 % (+ * , 46 \$ ' 28 * 8 * 2 , 7 * #

F# E < ' * 2 ' () O . , (' () * : W 3 , \$, 3 % \$ + & % \$, 4 / 7 . / (, (2 * % \$, * 43 , + 6 - , + 1 / \$ % . . - 4 % 2 ' / (2 / , < ' * 2 ' () 4 / (* 2 \$ 6 4 2 ' / (/ \$ & 3 , \$, 7 / + ' 1 ' 4 % 2 ' / (* 2 / , < ' * 2 ' () + / / \$ 3 % \$ + & % \$, % \$, \$, A 6 \$, + 5 ' 1 , + 0 , \$ ' 18 , < ' * 2 ' () 4 / (+ ' 2 ' / (* % (+ 4 / / \$ + ' (% 2 , ' (* 2 % - - % 2 ' / (/ 1 + / / \$ 3 % \$ + & % \$, 2 / * 6 ' 2 / . , (' () 4 / (+ ' 2 ' / (* % (+ 2 / . \$ / 0 ' + , . \$ / . , \$ + / / \$ / . , \$ % 2 ' / (#

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1#1 WARRANTY

A# S. , 4' - W%\$\$\$(28: M%(61%426\$, \$0* *2%(+%\$+ 1/\$7 '(&3'43 7%(61%426\$, \$%)\$, , * 2/ \$, . %\$ /\$ \$, . -%4, 4/7 . / (, (2* /1 +// \$ 3%\$+&%\$, 23%2 1%- '(7%2, \$%-* /\$ &/ \$? 7% (*3'. &'23' (* . , 4'1', + &%\$\$\$(28 . , \$' / + #

1# F%-6\$, * '(4-6+, 5 962 %\$, (/2 -'7'2, + 2/5 23, 1/-- /&' ():

%# S2\$6426\$%- 1%-6\$, * '(4-6+' () , <4, **0, +, 1-, 42' / (5 4\$%4?' () 5 / \$ 9\$, %?%) , #

9# F%6-28 / . , \$%2' / (/1 +// \$* % (+ +// \$ 3%\$+&%\$, #

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1# N%7 , + M%(61%426\$, \$* P\$/ +642*: M%(61%426\$, \$% (+ .\$/ +642 +, *) (%2' / (%\$, -*2, + 1/\$, %43
+// \$ 3%\$+&%\$, 28. , \$, A6'\$, + 1/\$ 23, .6\$. / * , /1 , *2%9-'*3'() 7'('767 \$, A6'\$, 7 , (2*#
M%(61%426\$, \$* (%7 , * %\$, %99\$, 0'2, + '(P%\$2 : ;D / / \$ H%\$+&%\$, S43, +6-, ; A\$2'4-, #

2#2 HIN ! ES

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-%9, -, +5-, %+ -' (, + % (\$,) 6-%\$ +// \$*# P\$/0'+, '(+, . , (+, (2% (+ % + 86*2%9-, 0%-0, * 1/\$ 4-/*' () * . , , +5
-%243 * . , , +5 % (+ 9%4?43, 4? &'23 96'-2 '(+, % + * 2/ . % (+ 3/-+ / . , (1, %26\$, * % * * . , 4'1', + # P\$/0'+, +
1' ('* 3 4/0, \$.-%2, * /\$ 23\$, * 3/-+ * % * '(+ '4%2, + '(+// \$ H%\$+&%\$, S, 2*#

1# M%(61%426\$, \$* : S69B, 42 2/ 4/7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 23,
1/--/&' () :

%# R'</ (D// \$ C/ (2\$/- *#

B# P'0/2* : BHMA A1>6#5 ! \$%+, 15 4, \$2'1', + . '0/2* . \$/0'+, + , '23, \$ 4, (2, \$ 36 () / \$:/= '(43 /11*, 228 . ,
4/7 .-, 2, &'23 2/ . 5 9/22/75 % (+ '(2, \$ 7, + %2, . '0/2* H/11*, 2 . '0/2* / (-8D '(A6% (2'28 %44/\$+ ' () 2/
7 % (61%426\$, \$* \$, 4/7 7, (+ %2' / (*# S. %4, '(2, \$ 7, + %2, . '0/2* , A6%-8 (/2-, * * 23% (2> '(43, * / (
4, (2, \$.-%\$2 / \$ (/2 7 / \$, 23% (:> '(43, * / (4, (2, \$ 1/\$ +// \$* /0, \$ 121 '(43, * 3') 3# P'0/2 3' () , * 2/
3%0, /'- '7 . \$,) (%2, + 9\$ / (@, 9, %\$ (') '(23, 2/ . . '0/2 % (+ % \$%+ %- \$ / - , \$ % (+ 23\$ 6*2 9, %\$ (') '(23,
9/22/7 . '0/2 &'23 23, 9/22/7 . '0/2 +, *') (, + 2/ 4%\$ 8 23, 16- &, ') 32 /1 23, +// \$# P'0/2* 2/ 9, U"
-'*2, + 1/\$ &' (+ * 2/\$ 7 & 3, \$, % . .-'4%9-, #

1# M%(61%426\$, \$* : S69B, 42 2/ 4/7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 23,
1/--/&' () :

%# R'</ (D// \$ C/ (2\$/- *#

2# = CONTINUOUS HIN ! ES

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2#> POWER TRANSFER DEVICES

A# E-,42\$'1',+ G6'4? C/((,42 T\$%(*1,\$ H'()),*: P\$/0'+, ,-,42\$'1',+ 2\$%(*1,\$ 3'()),* &'23 M/-,<

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&'\$' () 3%\$ (, ** , * 1/\$ 4 / ((, 42' / (2 / , - , 42\$' 4 - / 4 ? ' () + , 0' 4 , * % (+ . / & , \$ * 6 . . - ' , * # P \$ / 0' + , * 6 1 1' 4 ' , (2
(6 7 9 , \$ / 1 4 / (4 , % - , + & ' \$, * 2 / % 4 4 / 7 7 / + % 2 , , - , 4 2 \$ ' 4 1 6 (4 2 ' / (/ 1 * . , 4 ' 1' , + 3 % \$ + & % \$, # P \$ / 0' + , %
4 / ((, 4 2 / \$ 1 / \$ 2 3 \$ / 6) 3 + / / \$, - , 4 2 \$ / (' 4 - / 4 ? ' () + , 0' 4 , * % (+ 1 \$ / 7 3 ' () , 2 / 8 6 (4 2 ' / (9 / < % 9 / 0 , 2 3 ,
/ . , (' () # W ' \$, (6 2 4 / ((, 4 2 ' / (* % \$, (/ 2 % 4 4 , . 2 % 9 - , # D , 2 , \$ 7 ' (, 2 3 , - , () 2 3 \$, A 6 ' \$, + 1 / \$, % 4 3
, - , 4 2 \$ ' 1' , + 3 % \$ + & % \$, 4 / 7 . / (, (2 1 / \$ 2 3 , + / / \$ 2 8 . , 5 * ' @ , % (+ 4 / (* 2 \$ 6 4 2 ' / (5 7 ' (' 7 6 7 / 1 2 & / . , \$

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'(43 9%4?*,25 1/2 '(43 23\$/ & -%2439/-2 H: /= '(43 %2 \$%2,+ .%'\$,+ / . , (') *D5 % (+ 6('0,\$*%- (/ (3%(+ ,+#

1# M%(61%426\$, \$*: S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7 , (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&'():

%# S%\$), (2 M%(61%426\$'() 11 "'(.

D# "/4? T\$'7 D, *) (: "N"5 "NJ#

E# E(6\$-'(): W3,\$, * . , 4'1', + .\$/0'+, ?(6\$-'() / \$ %9\$%*0, 4/%2'() 2/ %-- , 0, \$* / (+ / \$* - , %+'() 2/ 3%@\$%+/6* %\$, %* *643 %* 7 , 43%('4%- \$/ / 7 *5 9'1', \$ % (+ 16\$(%4, \$/ / 7 *5 B%('2/\$ 4- / * , 2*5 % (+ %* /23, \$&'*, \$, A6'\$, + 98 23, I-'(/ '* A44, **'9'-28 C/+ , #

2#7 "OCE AND "ATCH STRIEES

A# S2\$'? , *: P\$/0'+, 7 % (61%426\$, \$* *2%(+ %\$+ *2\$'? , 1/\$, %43 -/4? 9/-2 / \$ -%2439/-2 4/ 7 .-8'() &'23 \$, A6'\$, 7 , (2* '(+4%2, + 1/\$ % . -'4%9- , -/4? / \$ -%243 % (+ &'23 *2\$'? , 9/< % (+ 46\$0, + -' . , <2, (+ , + 2/ . \$/2, 42 1\$%7 , J 1'('*3, + 2/ 7 %243 -/4? / \$ -%243#

1# F-%2 "' . S2\$'? , *: F/\$ -/4?* &'23 23\$, , . ' , 4 , % (2'1\$'42' / (-%2439/-2*5 %* \$, 4/ 7 7 , (+ , + 98 7 % (61%426\$, \$#

2# E<2\$% "/() "' . S2\$'? , *: F/\$ -/4?* 6* , + / (1\$%7 , * &'23 % . -' , + &' / + 4%*'() 2\$'7#

:# A-67'(67 F\$%7 , S2\$'? , B/<: M%(61%426\$, \$* * . , 4%- *2\$'? , 9/< 1%9\$'4%2, + 1/\$ %-67'(67 1\$%7'()#

B# S2%(+ %\$+*: C/ 7 .-8 &'23 23, 1/--/&'():

1# S2\$'? , * 1/\$ M/\$2'* , "/4?* % (+ "%243, *: BHMA A1>6#1 :#

2# S2\$'? , * 1/\$ B/\$, + "/4?* % (+ "%243, *: BHMA A1>6#2#

:# S2\$'? , * 1/\$ A6<'-%\$8 D, %+-/4?*: BHMA A1>6#>#

=# D6*2. \$/ /1 S2\$'? , *: BHMA A1>6#16#

C# P6*3 P6-- "%243, *: M/\$2'* , 5 BHMA A1>6#1: J S, \$' , * 10005 O . , \$%2' / (%- % (+ S, 46\$'28 ! \$%+, 1 7 / \$2'* , 28. , . 6*3 .6-- -/4?* % (+ -%243, * % (+ -') %26\$, \$, **'2%(2 .%+ + , 2\$'7 4%.%9- , /1 9, '() 7 / 6(2, + '(0, \$2'4%- H6. / \$ + / &(D % (+ 3/\$@ / (2%- H*+ , &%8*D . / '*2' / (*# " / 4?* , 2* 2/ 9, 7 % (61%426\$, + &'23 % 4/\$\$/ *' / (\$, **'2%(25 1/\$7 , + *2, , - 4%* , % (+ 9, (/ (3% (+ , +5 1' , - + \$, 0, \$* '9- , 1/\$ \$, 3% (+ '() &'23/62 + '*** , 7 9-8 /1 23, -/4? 9/+8# P%+ + , * % (+ 4/0, \$* %\$, 7 % (61%426\$, + 1/\$7 4%*2 *2%'(-, ** *2, , - / \$ 9\$%*** 7 %2, \$%# P\$/0'+, / .2' / (%- , % + -'('() H- / 4? 9/+8D % (+ T / \$ < 1%*2, (, \$* %* * . , 4'1', + '(H%\$+&%\$, S, 2*#

1# M%(61%426\$, \$*: S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7 , (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&'():

%# S%\$), (2 M%(61%426\$'() 8200 A "P S, \$', *#

2#8 AUKI" IARY "OCES

A# M/\$2'* , A6<'-%\$8 "/4?*: BHMA A1>6#>J ! \$%+, 15 4, \$2'1', + *7%- 4%* , 7 / \$2'* , 28. , + , %+-/4?* 4/ (*2\$642, + /1 3, %08)%6), &\$/6)32 4/\$\$/ *' / (\$, **'2%(2 *2, , # S2, , - / \$ *2%'(-, ** *2, , - 9/-2* &'23 % 1 '(43 23\$/ & % (+ 3%\$+, (, + *2, , - \$/ --, \$. '(*# D, %+-/4?* 2/ 9, .\$/+642* /1 2(+

1# M(61%426\$, \$*: S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&'():

%# S(\$), (2 M(61%426\$') =870 S,\$', *#

2#1 E"ECTRIC STRIEES

A# E-, 42\$'4 S2\$?', *: BHMA A1>6#: 1J ! \$%+, 15 U" -' *2, + 1/\$ 9/23 B6\$)-%\$8 R, *'2%(4, %(+ 1/\$ 6*, / (1'\$, \$%2, + +// \$ %** , 79-', *# S2%(-, ** *2, -, 4/ (*2\$642' / (&'23 +6%- '(2, \$-/4?'() .-6(), \$ +, *) (2, *2, + 2/ , <4, , + : 000 -9*# /1 *2%2'4 *2\$, () 23%(+ :>0 12 -9*# /1 +8(%7'4 *2\$, () 23# S2\$'? , * 2, *2, + 1/\$ % 7 ('767 1 7'--/ (/ ., \$%2'() 484-, *# P\$/0'+, *2\$?', * &'23 12 / \$ 2= VDC 4%. %9'-28% (*6. .-', + *2%(+ %\$+ %* 1%' - * , 46\$, 6(-, ** /23, \$&'*, * ., 4'1', + # O.2' / (%0%' -9-, 1/\$ -%2439/-2 % (+ -%2439/-2 *2\$?', 7 / (2/\$'() '(+4%2'() 9/23 23, . / *'2' / (/1 23, -%2439/-2 % (+ -/4?, + 4 / (+ '2' / (/1 23, *2\$'? , #

1# M(61%426\$, \$*: S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&'():

%# F/-), \$ A+%7 EDC 700 S,\$', *#

9# HES 1006 S,\$', *#

B# S6\$1%4, M/6(2, + R'7 E-, 42\$'4 S2\$?', *: S6\$1%4, 7 / 6(2, + \$'7 , <'2 +, 0'4, , -, 42\$'4 *2\$'? , * 4 / (1/\$ 7'() 2/ ANSI/BHMA A1>6#: 15 ! \$%+, 15 % (+ U" -' *2, + 1/\$ 9/23 B6\$)-%\$8 R, *'2%(4, %(+ 1/\$ 6*, / (1'\$, \$%2, + +// \$ %** , 79-', *# C / (*2\$642' / ('(4-6+, * '(2, \$(-8 7 / 6(2, + * / -, (/ + &'23 2& / 3, %08 +6285 *2%(-, ** *2, -, -/4?'() 7, 43% ('* 7 * / ., \$%2'() '(+, . ., (+, (2-8 2/ .\$/0'+, 2% 7 ., \$ \$, *'2%(4, # S2\$'? , * 2, *2, + 1/\$ % 7 ('767 /1 >005000 / ., \$%2'() 484-, *# P\$/0'+, *2\$?', * &'23 12 / \$ 2= VDC 4%. %9'-28% *6. .-', + *2%(+ %\$+ %* 1%' - * , 46\$, 6(-, ** /23, \$&'*, * ., 4'1', + # O.2' / (%0%' -9-, 1/\$ -%2439/-2 % (+ -%2439/-2 *2\$?', 7 / (2/\$'() '(+4%2'() 9/23 23, . / *'2' / (/1 23, -%2439/-2 % (+ -/4?, + 4 / (+ '2' / (/1 23, *2\$'? , # S2\$'? , \$, A6'\$, * (/ 4622'() 2/ 23, %7 9 .\$/ / \$ 2/ '(*2%- %2' / (#

1# M(61%426\$, \$*: S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&'():

%# F/-), \$ A+%7 #

9# HES 1>00/1600 S,\$', *#

C# P\$/0'+, , -, 42\$'4 *2\$'? , * &'23 '(-' (, . / &, \$ 4 / (2\$ / - , \$ %(+ *6\$), *6. . \$, ** / \$ 98 23, *% 7 , 7%(61%426\$, \$ %* 23, *2\$'? , &'23 4 / 7 9' (, + .\$/+642* 3%0'() 6(-'7'2, + -'1, 2'7 , & %\$\$\$ (28#

2#10 E"ECTROMA ! NETIC "OCES

A# S6\$1%4, E-, 42\$ / 7%) (, 2'4 " / 4?' * HH, %08 D628D: BHMA A1>6#2: J ! \$%+, 1 &'23 7'('767 3 / -+() 1/\$4, *2\$, () 23 /1 15200 . / 6(+*# " / 4?' 2 / 9, 4%. %9-, /1 , '23, \$ 12 / \$ 2= 0 / -2%), %(+ 9, U" -' *2, + 1/\$ 6*, / (1'\$, \$%2, + +// \$ %** , 79-', *# E-, 42\$ / ('4' %\$, 2 / 9, 16-8 * , %-, + %) %' (*2 2% 7 ., \$'() % (+ %-- / & , <2, \$' / \$ & , %23, \$ \$ / / 1 % . .-'4%2' / (*# A* '(+42, + '(H%\$+&%\$, S, 2*5 .\$/0'+, * ., 4'1', + 7 / 6(2'() 9\$%4?, 2* % (+ 3 / 6*1'() # P / &, \$ *6. .-8 2 / 9, 23, *% 7 , 7%(61%426\$, \$ %* 23, -/4? &'23 4 / 7 9' (, + .\$/+642* 3%0'() % -'1, 2'7 , \$, .-%4, 7, (2 & %\$\$\$ (28#

1# M(61%426\$, \$*: S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&'():

%# S, 46\$'28 D / / \$ C / (2\$ / - * EM" / 4? 1>00 S,\$', *#

9# S, 46\$'2\$ / (D / / \$ C / (2\$ / - * M62 S,\$', *#

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9# R/4?&/ /+ M%(61%426\$')#

2#1= EKIT DEVICES AND AUKI" IARY ITEMS

A# ! , (, \$%- R, A6'\$, 7 , (2*: A- , <'2 + , 0'4 , * * . , 4'1' , + 3 , \$, '(*3%- 7 , , 2 /\$, <4 , , + 23 , 1/--/&' ()
4\$'2 , \$' %:

1# A2 + / / \$* (/2 \$, A6'\$' () % 1'\$, \$%2' () 5 . \$ / 0'+ , + , 0'4 , * 4 / 7 . -8' () &' 23 NFPA 101 % (+ -1*2 , +
% (+ -%9 , - , + 1 / \$; P% ('4 H%\$+&%\$, ; %44 / \$+ ' () 2 / U" : 0># P\$ / 0'+ , . \$ / . , \$ 1%*2 , (, \$* %*
\$, A6'\$, + 98 7% (61%426\$, \$ ' (4-6+' () * , < (62* % (+ 9 / -2* %2 / . , (') * * . , 4'1' , + ' (23 ,
H%\$+&%\$, S , 2*#

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DOOR HARDWARE

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FOR: _____

ISSUED: 11/06/2017

%. .-'4%9- , # P\$/0'+ , 23 , % . . \$/ . \$'2 , 36\$\$'4% (, /\$ 2/\$ (%+ / \$, '*2% (2 . \$/ +642* 23%2 3%0 , 9 , , (' (+ , . , (+ , (2 23'\$+ . %\$28 2 , *2 , +5 4 , \$2'1' , +5 % (+ -%9 , - , + 2/ 7 , , 2 *2%2 , % (+ -/4% - & ' (+ *2/\$ 7 96'+ ' () 4/+ , * % . .-'4%9- , 2/ . \$/ B , 42#

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:# O11*, 2 .6- D, *) (: M('7 1 '(43 \$/6(+ +'%7 ,2,\$ *2%'(-, ** *2, ,-9%\$ /\$ 269, *2/4? .6--* &'232
1/2 '(43 .\$/B, 42' / (%(+ /11*, 2 /1 10 +,)\$, , * 6(-, ** /23, \$&'*, '(+'4%2, +#
=# P6*3 B%\$*: M('7 1 '(43 \$/6(+ +'%7 ,2,\$ 3/\$'@/(2%- .6*3 9%\$* &'23 7'('7 67 4-, %\$\$ (4, /1
2 1/2 '(43 .\$/B, 42' / (1\$/7 1%4, /1 +// \$ 6(-, ** /23, \$&'*, '(+'4%2, +#
># F%*2, (, \$*: P\$/0'+, 7%43' (, *4\$, &* 1/\$ %-- 7 , 2%- +// \$* H+'-- % (+ 2%. (/2 *, -1 2%.. '())D % (+
. \$/0'+, 7% (61%426\$, *2% (+%\$+ 1/\$ %-- & // + + / / \$*#
6# M% (61%426\$, \$*: S69B, 42 2/ 4/7 .-' (4, &'23 \$, A6'\$, 7 , (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23,
1/--/&' ():

%# R/4?& // + M% (61%426\$' ()#
9# M4E' ((, 8 P\$/+642*#

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9# P, 7 ? / M% (61%426\$' () HPED#
4# N, \$ / I (2, \$ (%2' / (%- HNED#

2#2> E " ELECTRONIC ACCESSORIES

A# E, 8 S&'243, *: E, 8 * &'243, * 16\$ ('*3, + *2% (+%\$+ &'23 *2%' (-, ** *2, , - *' ()-,)% () 1%4, .-%2, &'23 %
12/2=VDC 9' 4/-/\$ "ED ' (+4%2/\$# I(2,)\$%- 9%4?' () 9\$%4?, 2 . , \$7 '2* ' (2,)\$%2' / (&'23 % (8 1 1/=; /\$
1 1/2; 7 /\$2* , 28. , 48-' (+, \$# E, 8 * &'243, * %0%-9-, *% 7 / 7 , (2%\$8 /\$ 7%' (2%' (, + %42' / (% (+ ' ()
(%\$\$/& 1%4, .-%2, / .2' / (*#

1# M%(61%426\$, \$* : S69%, 42 2/ 4 / 7 .-% (4, &'23 \$, A6'\$, 7 , (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&' ():

%# S, 46\$'28 D // \$ C / (2\$ /-* HSDD 800 S, \$', *#
9# S, 46\$'2\$ / (D // \$ C / (2\$ /-* HSUD ME S, \$', *#

B# P6*3 B622 / (S&'243, *: I (+6*2\$%-)\$%+, 7 / 7 , (2%\$8 /\$ %-2, \$ (%2, 4 / (2%425 9%4? -') 32, + .6*3
9622 / (* &'23 *2%' (-, ** *2, , - * &'243 , (4-/*6\$, *# 12/2= VDC 9' 4/-/\$ -67' (%2' / (*6'2%9-, 1/\$, '23, \$
1-6*3 /\$ *6\$1%4, 7 / 6 (2' ()#

1# M%(61%426\$, \$* : S69%, 42 2/ 4 / 7 .-% (4, &'23 \$, A6'\$, 7 , (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&' ():

%# S, 46\$'28 D // \$ C / (2\$ /-* HSDD =00 S, \$', *#
9# S, 46\$'2\$ / (D // \$ C / (2\$ /-* HSUD PB S, \$', *#

C# R, A6, *2 2/ E<2 M/2' / (S, (* /\$: R, A6, *2 2/ E<2 S, (* /\$* 7 / 2' / (+, 2, 42/\$* * . , 4'1'4%-8 +, *') (, +

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'(4-6+') -/4?/6(-/4?5 +//\$. / '*2' / (5 % (+ \$, A6, *2 2/ , <2 *2%26*# 12 /\$ 2=VDC 0/-2%), % +B6*2%9-, / . , \$%2' () % * F%- S%1, /\$ F%- S, 46\$, #

1# M%(61%426\$, \$* : S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&' () :

%# S(\$), (2 M%(61%426\$' () HSA D WT1 W',)%(+ T, *2 U('2#

F# P/&,\$ S6. .-' , * : P\$/0'+, N%2' / (%--8 R, 4/) ('@, + T, *2' () "%9/\$%2/\$8 "'*2, + 12VDC /\$ 2=VDC H1', -+ * , -, 42%9-, D 1'-2, \$, + % (+ \$,) 6-%2, + . / &, \$ *6. .-' , *# I(4-6+, 9%22, \$8 9%4?6. / .2' / (&'23 '(2,) \$%- 9%22, \$8 43%\$)' () 4% . %9'-28 ' (%++'2' / (2/ / . , \$%2' () 23, DC -/ % + ' (, 0, (2 / 1 -' (, 0/-2%), 1%'-6\$, # P\$/0'+, 23, -, %*2 (6 7 9, \$ / 1 6('2*5 %2 23, % . .\$/ . \$%2, % 7 . , \$%), -, 0, -5 *611'4', (2 2/ , <4, , + 23, \$, A6'\$, + 2/2%- +\$%& 1/\$ 23, * . , 4'1', + , -, 42\$'1', + 3%\$+&%\$, % (+ %44, ** 4/ (2\$/- , A6'. 7, (2#

1# M%(61%426\$, \$* : S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&' () :

%# S, 46\$'28 D // \$ C / (2\$/- * HSDD 6:0 S, \$', *#

9# S, 46\$'2\$/ (D // \$ C / (2\$/- * HSUD BPS 12/2= S, \$', *#

2#26 S"IDIN ! DOOR HARDWARE

A# S-'+' () D // \$ H%\$+&%\$, : BHMA A1>6#1=J 4/ ('*2' () / 1 4/ 7 .-, 2, * , 2* '(4-6+' () \$%-*5 3% () , \$*5 *6. . / \$2*5 967 . , \$*5 1- / \$) 6'+, *5 % (+ %44, ** / \$', * '(+4%2, + #

1# M%(61%426\$, \$* : S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&' () :

%# H%1, -, M%(61%426\$' () #

9# P, 7 ? / M%(61%426\$' () #

2# S-'+' () B' P%***' () P/4?, 2 D // \$ H%\$+&%\$, : P\$/0'+, 4/ 7 .-, 2, * , 2* 4/ ('*2' () / 1 2\$%4?5 3% () , \$*5 *2/ . *5 967 . , \$*5 1- / \$ 43% ((, -5) 6'+, *5 % (+ %44, ** / \$', * '(+4%2, + # :# P/4?, 2 S-'+' () D // \$ H%\$+&%\$, : R%2, + 1/ \$ + / \$ * &, ') 3' () 6. 2/ 200 -9#

2#27 FO" DIN ! DOOR HARDWARE

A# ! , (, \$%- : BHMA A1>6#1=J 4/ 7 .-, 2, * , 2* '(4-6+' () / 0, \$3, % + \$%-*5 3% () , \$*5 *6. . / \$2*5 967 . , \$*5 1- / \$) 6'+, *5 % (+ %44, ** / \$', * '(+4%2, + #

1# M%(61%426\$, \$* : S69%, 42 2/ 4/ 7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, /1 23, 1/--/&' () :

%# H%1, -, M%(61%426\$' () #

9# P, 7 ? / M%(61%426\$' () #

2# B' 1/-+' () + / \$ H%\$+&%\$, : R%2, + 1/ \$ + / \$. % (, - * &, ') 3' () 6. 2/ 12 > -9#

2#28 DOOR PROTECTIVE TRIM UNITS

A# ! , (, \$%- : D // \$. \$ / 2, 42'0, 2\$' 7 6('2* 2/ 9, / 1 28. , % (+ + , *') (% * * . , 4'1', + 9, - / & / \$' (23, H%\$+&%\$, S, 2*#

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B# S'@,: F%9\$4%2, .\$/2,42'/(.-%2, * H?'4?5 %\$7/\$5 /\$ 7/.D (/2 7/\$, 23%(2; -, ** 23%(+// \$ &'+23 H"DWD / (*2/ . *'+, % (+ /2 7/\$, 23%(1; -, ** 23%(+// \$ &'+23 / (.6-- *'+, # C// \$+ '(%2, % (+ .\$/0'+, .\$/ ., \$ &'+23 % (+ 3, ') 32% * \$, A6'\$, + &3, \$, 4/ (1'42' () 3%\$+&%\$, + '42%2, *# H,') 32 2/ 9, % * * ., 4'1', + '(23, H%\$+&%\$, S, 2*#

C# M, 2%- P\$/2, 42'/(P-%2, *: ANSI/BHMA A1>6#6 4, \$2'1', + 7, 2%- .\$/2, 42'/(.-%2, * H?'4?5 %\$7/\$5 /\$ 7/.D5 9, 0, -, + / (1/6\$, +) , * HB=ED5 1%9\$4%2, + 1\$/ 7 23, 1/-- / &' ()#

- 1# S2%'(-, ** S2, , -: 0>0 '(43 23'4?5 &'23 4/6(2, \$*6(? *4\$, & 3/-, * HCSED#
- 2# B\$%* * / \$ B\$ / (@ , : 0>0 '(43 23'4?5 &'23 4/6(2, \$*6(? *4\$, & 3/-, * HCSED#
- :# "% 7' (%2, P-% * 2'4 / \$ A4\$8-'4: 1/8 '(43 23'4?5 &'23 4/6(2, \$*6(? *4\$, & 3/-, * HCSED#

D# F%*2, (, \$*: P\$/0'+, 7% (61%426\$, \$C* +, *) (%2, + 1%*2, (, \$ 28. , % * * ., 4'1', + '(23, H%\$+&%\$, S, 2*#

E# M, 2%- D// \$ E+)' (): D// \$.\$/2, 42'/(, +)' () 1%9\$4%2, + 1\$/ 7 % 7' ('767 #0>0 '(43 23'4? 7, 2%- *3, , 25 1/\$7, + '(2/ % (% () -, / \$; U; 4% . *3% . , *5 *6\$1%4, / \$ 7/\$2'*, + 7/6(2, + / (2/ , +) , / 1 + / / \$ P\$/0'+, % . .\$/ . \$ %2, - ,) / 0, \$-%. 2/ %44/6(2 1/\$.\$/2, 42'/(.-%2, * % * \$, A6'\$, + # H,') 32 2/ 9, % * * ., 4'1', + '(23, H%\$+&%\$, S, 2*#

F# M% (61%426\$, \$*: S69B, 42 2/ 4/7 .-%(4, &'23 \$, A6'\$, 7, (2*5 .\$/0'+, .\$/+642* 98 / (, / 1 23, 1/-- / &' ():

- 1# M4E' ((, 8 A\$43'2, 426\$%- H%\$+&%\$, HMED#
- 2# R/4?&/ / + M% (61%426\$' () HROD#

2#21 FABRICATION

A# M% (61%426\$, \$C* N%7 , .-%2, : D/ (/2 .\$/0'+, .\$/+642* 23%2 3%0, 7% (61%426\$, \$C* (%7 , / \$ 2\$%+, (%7 , + * .-%8, + '(% 0'*9-, -/4%2' / (, <4, .2 '(4/ (B6(42' / (&'23 \$, A6'\$, + 1\$, \$%2, + -%9, - * % (+ * * /23, \$&' * , % . .\$/0, + 98 A\$43'2, 42#

- 1# M% (61%426\$, \$C* '+, (2'1'4%2' / (' * . , \$7'22, + / (\$'7 / 1 -/4? 48' (+, \$* / (-8#

B# B%*, M, 2%-*: P\$/+64, +// \$ 3%\$+&%\$, 6('2* / 1 9%*, 7, 2%- '(+'4%2, +5 1%9\$4%2, + 98 1/\$7' () 7, 23/ + '(+'4%2, +5 6*' () 7% (61%426\$, \$C* *2% (+%\$+ 7, 2%- %--/85 4/7 . / *'2' / (5 2, 7 ., \$5 % (+ 3%\$+ (, ** # F6\$ ('*3 7, 2%- * / 1 % A6%-28 , A6%- 2/ / \$) \$, %2, \$ 23% (23%2 / 1 * ., 4'1', + +// \$ 3%\$+&%\$, 6('2* % (+ BHMA A1>6#18#

C# F%*2, (, \$*: P\$/0'+, +// \$ 3%\$+&%\$, 7% (61%426\$, + 2/ 4/7 .-8 &'23 .69-'*3, + 2, 7 .-%2, * . \$, . %\$, + 1/\$ 7%43' (, 5 &/ / +5 % (+ *3, , 2 7, 2%- *4\$, & * # P\$/0'+, *4\$, & * 23%2 4/7 .-8 &'23 4/7 7, \$4'%-8 \$, 4/) ('@, + '(+6*2\$8 *2% (+%\$+ * 1/\$ % . -'4%2' / ('(2, (+, +5, <4, .2 %-67' (67 1%*2, (, \$* %\$, (/2 ., \$7'22, + # P\$/0'+, P3'--' . * 1-%2 3, % + *4\$, & * &'23 1' (*3, + 3, % + * 2/ 7%243 *6\$1%4, / 1 + / / \$ 3%\$+&%\$, 5 6(-, ** /23, \$&' * , '(+'4%2, + #

- 1# C/ (4, %-, + F%*2, (, \$*: F/ \$ +// \$ 3%\$+&%\$, 6('2* 23%2 %\$, , < . / * , + &3, (+// \$ ' * 4- / * , +5 , <4, .2 1/\$ 6('2* %-\$, % +8 * ., 4'1', + &'23 4/ (4, %-, + 1%*2, (, \$* # D/ (/2 6* , 23\$ / 6) 3 9/ -2* 1/\$ '(*2%-%2' / (&3, \$, 9/ -2 3, % + / \$ (62 / (/ . . / *'2, 1%4, ' * , < . / * , + 6(-, ** '2 * 23, / (-8 7, % (* / 1 * , 46\$, -8 %22%43' () 23, +// \$ 3%\$+&%\$, # W3, \$, 23\$/

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1D H' () , * 7 / \$ 2 ' * , + 2 / + / \$ * / \$ 1 \$ % 7 , * J 6 * , 2 3 \$, % + , + 2 / 2 3 , 3 , % + & / / + * 4 \$, & *
 1 / \$ & / / + + / / \$ * % (+ 1 \$ % 7 , * #
 2D S 2 \$ ' ? , . - % 2 , * 2 / 1 \$ % 7 , * #
 : D C - / * , \$ * 2 / + / / \$ * % (+ 1 \$ % 7 , * #

9# S 2 , , - T 3 \$ / 6) 3 B / - 2 * : F / \$ 2 3 , 1 / - / & ' () 6 (- , * * + / / \$ 9 - / 4 ? ' () ' * . \$ / 0 ' + , + :

1D S 6 \$ 1 % 4 , 3 ' () , * 2 / + / / \$ * #
 2D C - / * , \$ * 2 / + / / \$ * % (+ 1 \$ % 7 , * #
 : D S 6 \$ 1 % 4 , 7 / 6 (2 , + , < ' 2 + , 0 ' 4 , * #

: # S . % 4 , \$ * / \$ S , < B / - 2 * : F / \$ 2 3 \$ / 6) 3 9 / - 2 ' () / 1 3 / - / & 7 , 2 % - + / / \$ * #
 = # F % * 2 , (, \$ * 1 / \$ W / / + D / / \$ * : C / 7 . - 8 & ' 2 3 \$, A 6 ' \$, 7 , (2 * ' (D H I W D H S # 2 5 ; R , 4 / 7 7 , (+ , +
 F % * 2 , (, \$ * 1 / \$ W / / + D / / \$ * # ;
 > # ! % * ? , 2 ' () F % * 2 , (, \$ * : P \$ / 0 ' + , (/ (4 / \$ \$ / * ' 0 , 1 % * 2 , (, \$ * 1 / \$, < 2 , \$ / \$ % . . - ' 4 % 2 ' / (* % (+
 , - * , & 3 , \$, % * ' (+ ' 4 % 2 , + #

2# : 0 FINISHES

A# P \$ / 0 ' + , 1 ' (' * 3 , * 4 / 7 . - 8 ' () & ' 2 3 B H M A A 1 > 6 # 1 8 % * ' (+ ' 4 % 2 , + ' (+ / / \$ 3 % \$ + & % \$, * 4 3 , + 6 - , #
 B# P \$ / 2 , 4 2 7 , 4 3 % (' 4 % - 1 ' (' * 3 , * / (, < . / * , + * 6 \$ 1 % 4 , * 1 \$ / 7 + % 7 %) , 9 8 % . . - 8 ' () % * 2 \$ ' . . % 9 - , 5
 2 , 7 . / \$ % \$ 8 . \$ / 2 , 4 2 ' 0 , 4 / 0 , \$ ' () 9 , 1 / \$, * 3 ' . . ' () #
 C# A . . , % \$ % (4 , / 1 F ' (' * 3 , + W / \$? : V % \$ ' % 2 ' / (* ' (% . . , % \$ % (4 , / 1 % 9 6 2 2 ' () / \$ % + 3 % 4 , (2 . ' , 4 , * % \$,
 % 4 4 , . 2 % 9 - , ' 1 2 3 , 8 % \$, & ' 2 3 ' (/ (, 3 % - 1 / 1 2 3 , \$ % () , / 1 % . . \$ / 0 , + S % 7 . - , * # N / 2 ' 4 , % 9 - , 0 % \$ ' % 2 ' / (* ' (' 2 3 , * % 7 , . ' , 4 , % \$, (/ 2 % 4 4 , . 2 % 9 - , # V % \$ ' % 2 ' / (* ' (% . . , % \$ % (4 , / 1 / 2 3 , \$ 4 / 7 . / (, (2 * % \$, % 4 4 , . 2 % 9 - ,
 ' 1 2 3 , 8 % \$, & ' 2 3 ' (2 3 , \$ % () , / 1 % . . \$ / 0 , + S % 7 . - , * % (+ % \$, % * * , 7 9 - , + / \$ ' (* 2 % - , + 2 / 7 ' (' 7 ' @ ,
 4 / (2 \$ % * 2 #

PART 3 - EKECUTION

: # 1 EKAMINATION

A# E < % 7 ' (, + / / \$ * % (+ 1 \$ % 7 , * 5 & ' 2 3 1 (* 2 % - - , \$. \$, * , (2 5 1 / \$ 4 / 7 . - ' % (4 , & ' 2 3 \$, A 6 ' \$, 7 , (2 * 1 / \$
 ' (* 2 % - - % 2 ' / (2 / - , \$ % (4 , * 5 - % 9 , - , + 1 \$, \$ % 2 , + + / / \$ % * * , 7 9 - 8 4 / (* 2 \$ 6 4 2 ' / (5 & % - - % (+ 1 - / / \$ 4 / (* 2 \$ 6 4 2 ' / (5
 % (+ / 2 3 , \$ 4 / (+ ' 2 ' / (* % 1 1 , 4 2 ' () . , \$ 1 / \$ 7 % (4 , #
 B# E < % 7 ' (, \$ / 6) 3 ' () ' (1 / \$, - , 4 2 \$ ' 4 % - . / & , \$ * 8 * 2 , 7 * 2 / 0 , \$ ' 1 8 % 4 2 6 % - - / 4 % 2 ' / (* / 1 & ' \$ ' () 4 / ((, 4 2 ' / (*
 9 , 1 / \$, - , 4 2 \$ ' 1 , + + / / \$ 3 % \$ + & % \$, ' (* 2 % - - % 2 ' / (#
 C# P \$ / 4 , , + & ' 2 3 ' (* 2 % - - % 2 ' / (/ (- 8 % 1 2 , \$ 6 (* % 2 ' * 1 % 4 2 / \$ 8 4 / (+ ' 2 ' / (* 3 % 0 , 9 , (4 / \$ \$, 4 2 , + #

: # 2 PREPARATION

A# S 2 , , - D / / \$ * % (+ F % 7 , * : F / \$ * 6 \$ 1 % 4 , % . . - ' , + + / / \$ 3 % \$ + & % \$, 5 + \$ ' - % (+ 2 % . + / / \$ * % (+ 1 \$ % 7 , *
 % 4 4 / \$ + ' () 2 / A N S I / S D I A 2 > 0 # 6 #
 B# W / / + D / / \$ * : C / 7 . - 8 & ' 2 3 D H I W D H S # > ; R , 4 / 7 7 , (+ , + H % \$ + & % \$, R , ' (1 / \$ 4 , 7 , (2 " / 4 % 2 ' / (* 1 / \$
 M ' (, \$ % - C / \$, W / / + F - 6 * 3 D / / \$ * # ;

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PROJECT NAME _____
JOB # _____

FOR: _____