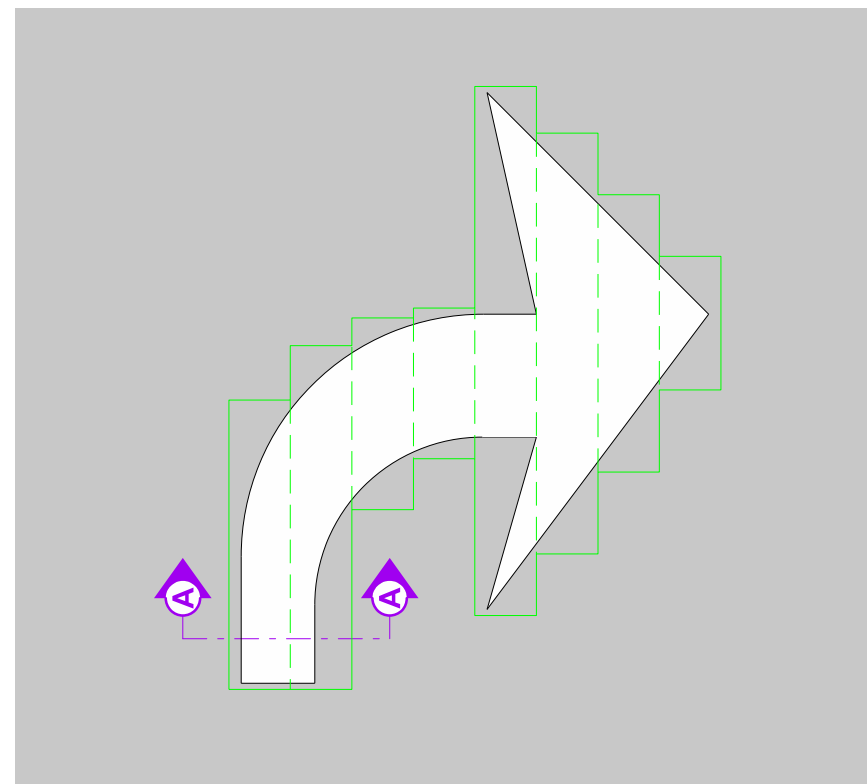


Option 1 shall be used unless specified otherwise by project documents or engineer. If option 2 or 3 is used no additional reimbursement will be given.

A minimum one (1) inch margin shall be placed all the way around painted symbol.

Refer to PM-111 for details of painted symbols.

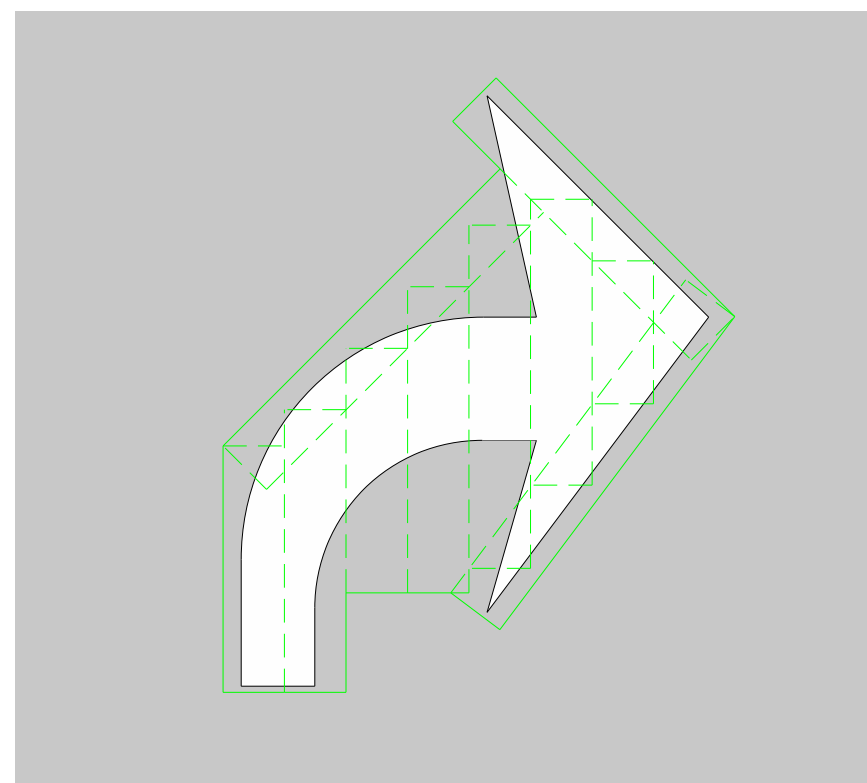
Layouts and areas are based on a ten (10) inch grooving head.



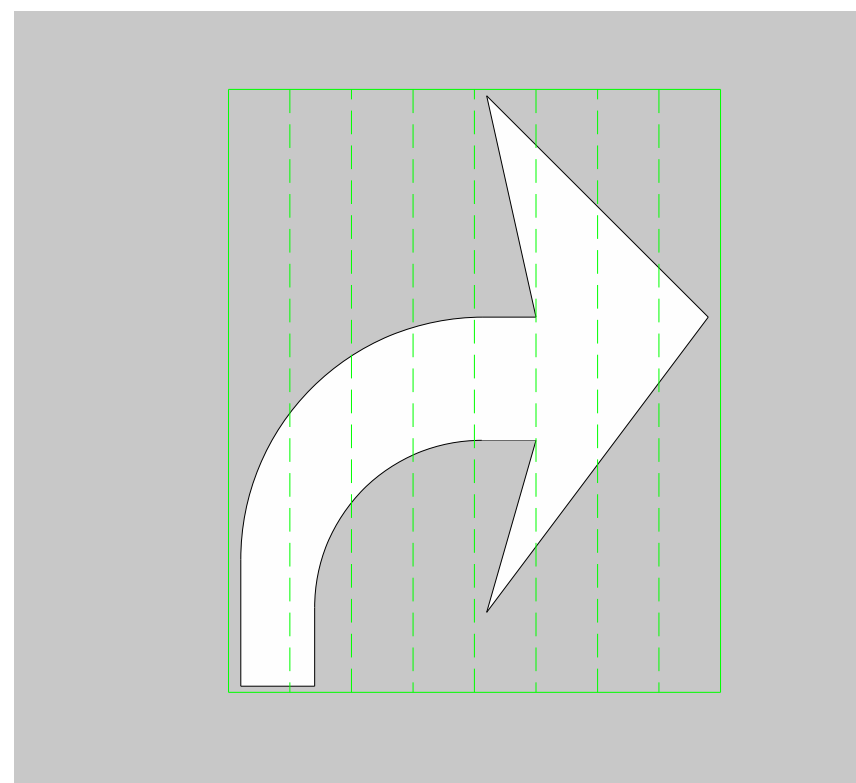
PLAN  
Option 1




CROSS-SECTION/PROFILE  
SECTION A-A



PLAN  
Option 2



PLAN  
Option 3

 Boundary of grooving

Possible Contract Item:  
Grooves Cut for Symbols  
and Legends

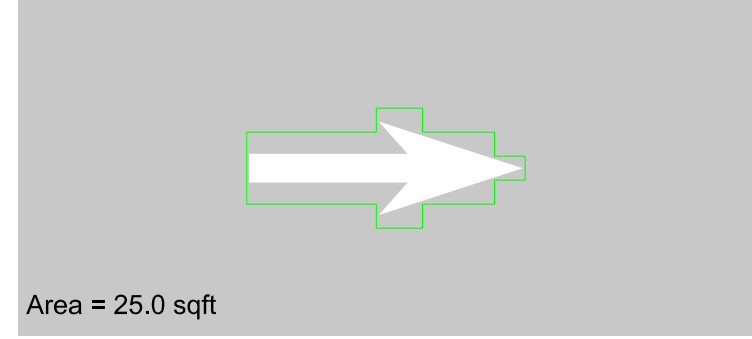
Possible Tabulation:  
108-29

	REVISION	
	NEW	4-16-24
<b>STANDARD ROAD PLAN</b>		<b>PM-116</b>
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 APPROVED BY DESIGN METHODS ENGINEER

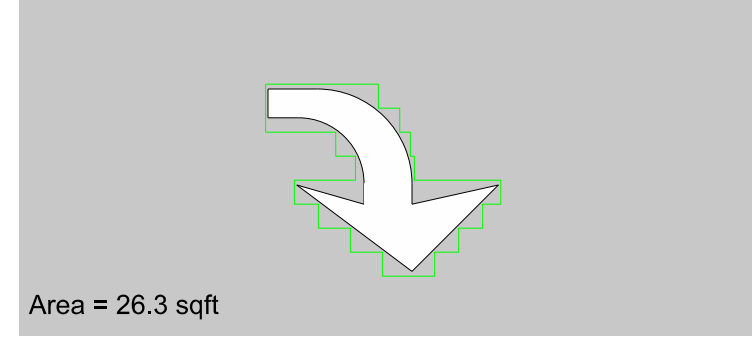
**GROOVING FOR  
SYMBOLS AND LEGENDS**

STAW STRAIGHT ARROW



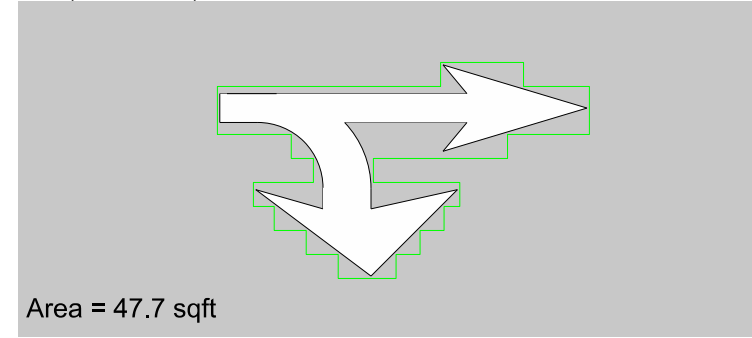
Area = 25.0 sqft

RTAW LTAW TURN ARROW



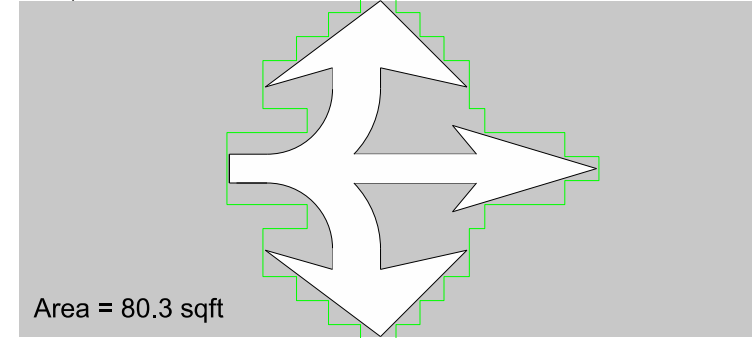
Area = 26.3 sqft

CSRW CSLW COMBINED STRAIGHT AND TURN ARROW



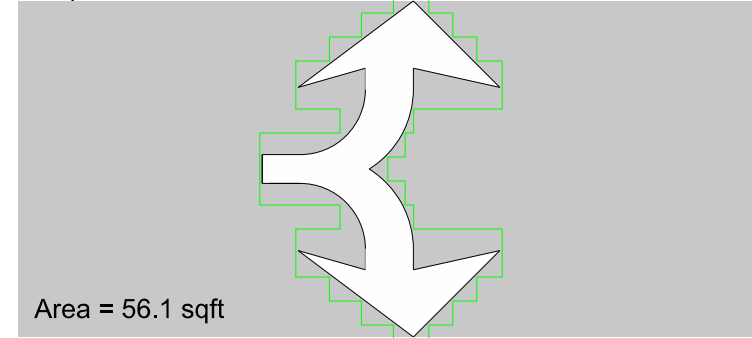
Area = 47.7 sqft

CSTW COMBINED STRAIGHT, RIGHT AND LEFT TURN ARROW



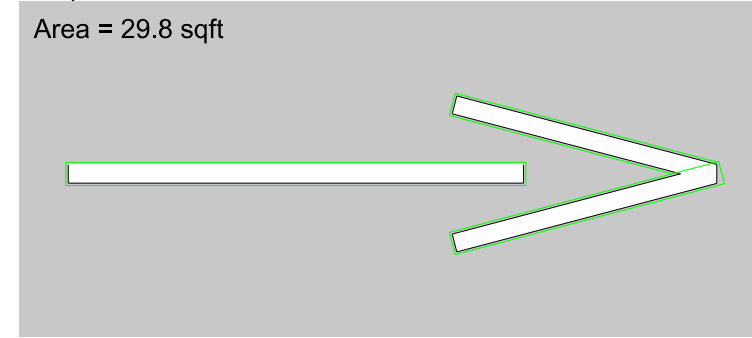
Area = 80.3 sqft

CRLW COMBINED RIGHT AND LEFT TURN ARROW



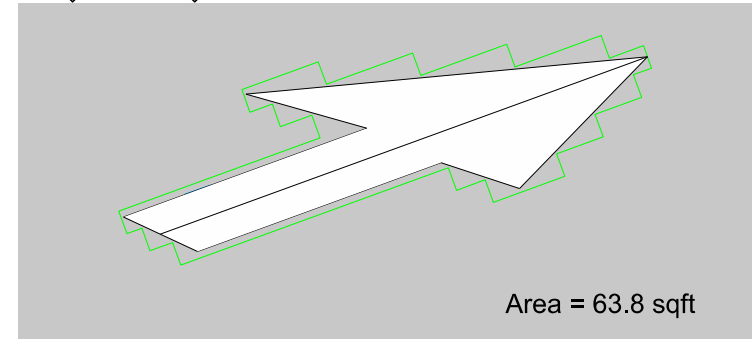
Area = 56.1 sqft

FERW FREEWAY, EXPRESSWAY AND RAMP ARROW



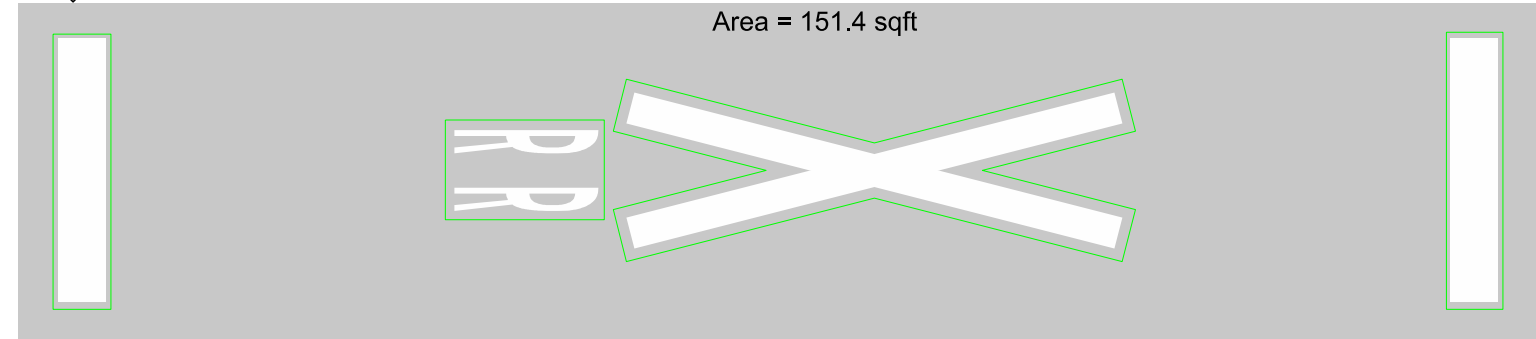
Area = 29.8 sqft

RLRW LLRW REDUCTION ARROW



Area = 63.8 sqft

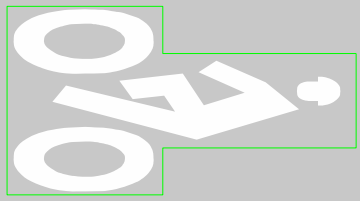
RRCW RAILROAD CROSSING SYMBOL (White)



Area = 151.4 sqft


	REVISION	
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<b>STANDARD ROAD PLAN</b>		<b>PM-116</b>
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<b>GROOVING FOR SYMBOLS AND LEGENDS</b>		

**BLSW** BIKE LANE SYMBOL (White)



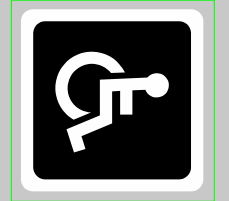
Area = 14.8 sqft

**WCSW** WHEELCHAIR SYMBOL (White)



Area = 47.7 sqft


**WPSB** WHEELCHAIR PARKING SYMBOL (Blue)



Area = 17 sqft

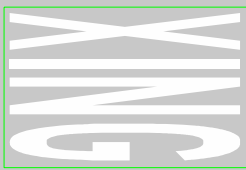
① When placed across one lane, use the smaller dimensions shown. When placed across two lanes, use the larger dimensions shown.

**SCLW** SCHOOL WORD MARKING (White) ①



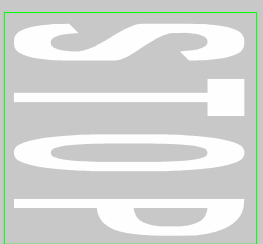
Area = 78.4 sqft  
or  
Area = 211.2 sqft

**XNGW** XING WORD MARKING (White)



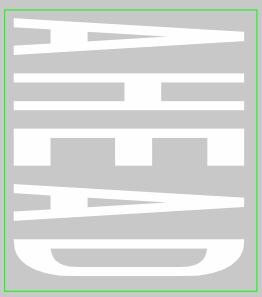
Area = 47.6 sqft

**STPW** STOP WORD MARKING (White)



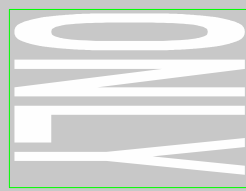
Area = 68.0 sqft

**AHDW** AHEAD WORD MARKING (White)



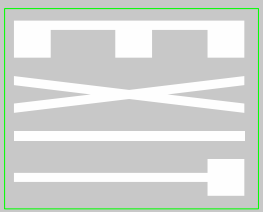
Area = 88.4 sqft

**ONLW** ONLY WORD MARKING (White)




Area = 49.3 sqft

**XITW** EXIT WORD MARKING (White)




Area = 54.4 sqft

**BIKW** BIKE WORD MARKING (White)



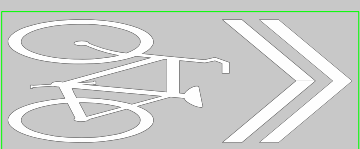
Area = 12.7 sqft

**LANW** LANE WORD MARKING (White)




Area = 12.7 sqft

**SLSW** SHARED LANE SYMBOL (White)



Area = 39.5 sqft

<b>IOWA   DOT</b> <b>STANDARD ROAD PLAN</b>	REVISION	
	NEW	4-16-24
		<b>PM-116</b>
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REVISIONS: NEW		
 APPROVED BY DESIGN METHODS ENGINEER		
<b>GROOVING FOR SYMBOLS AND LEGENDS</b>		