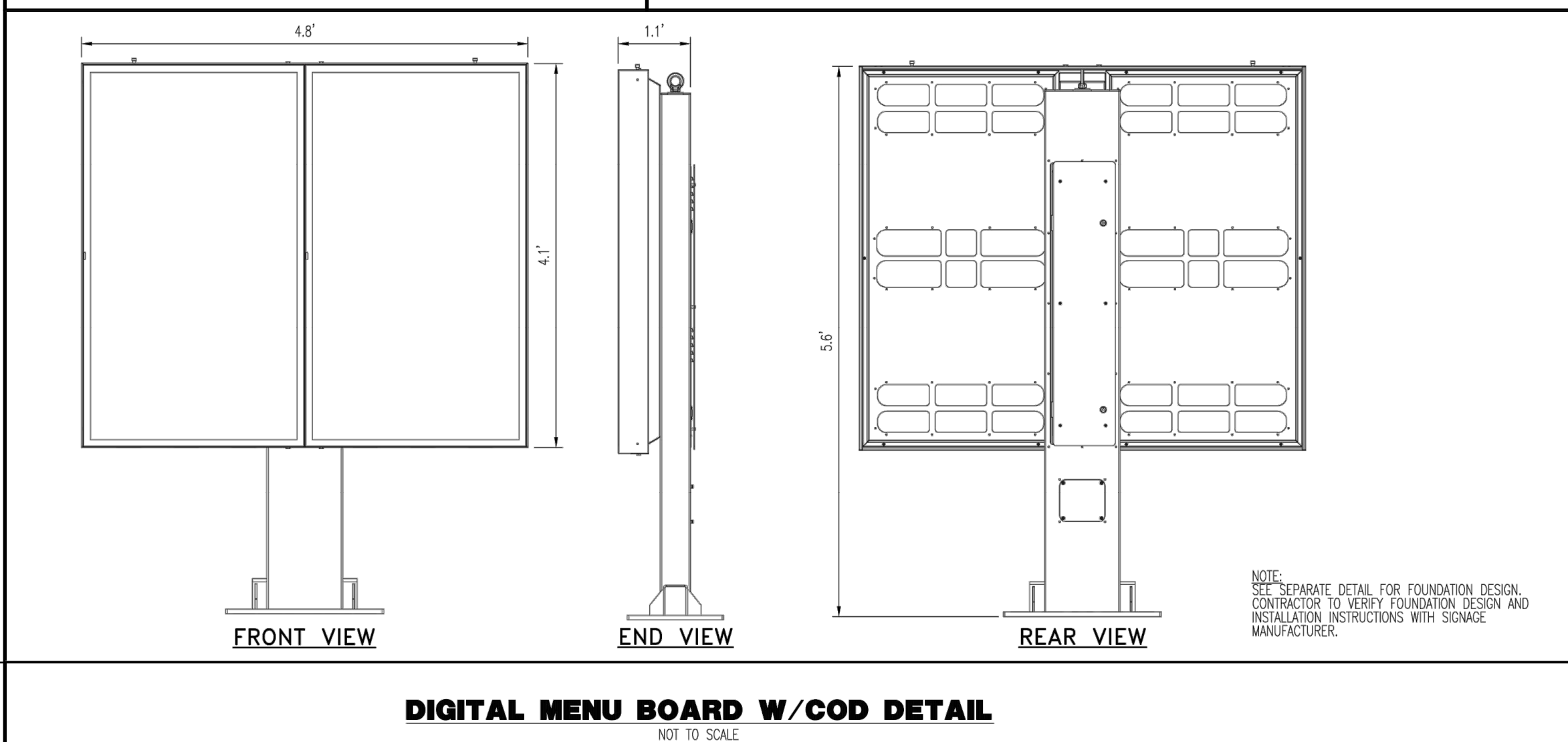
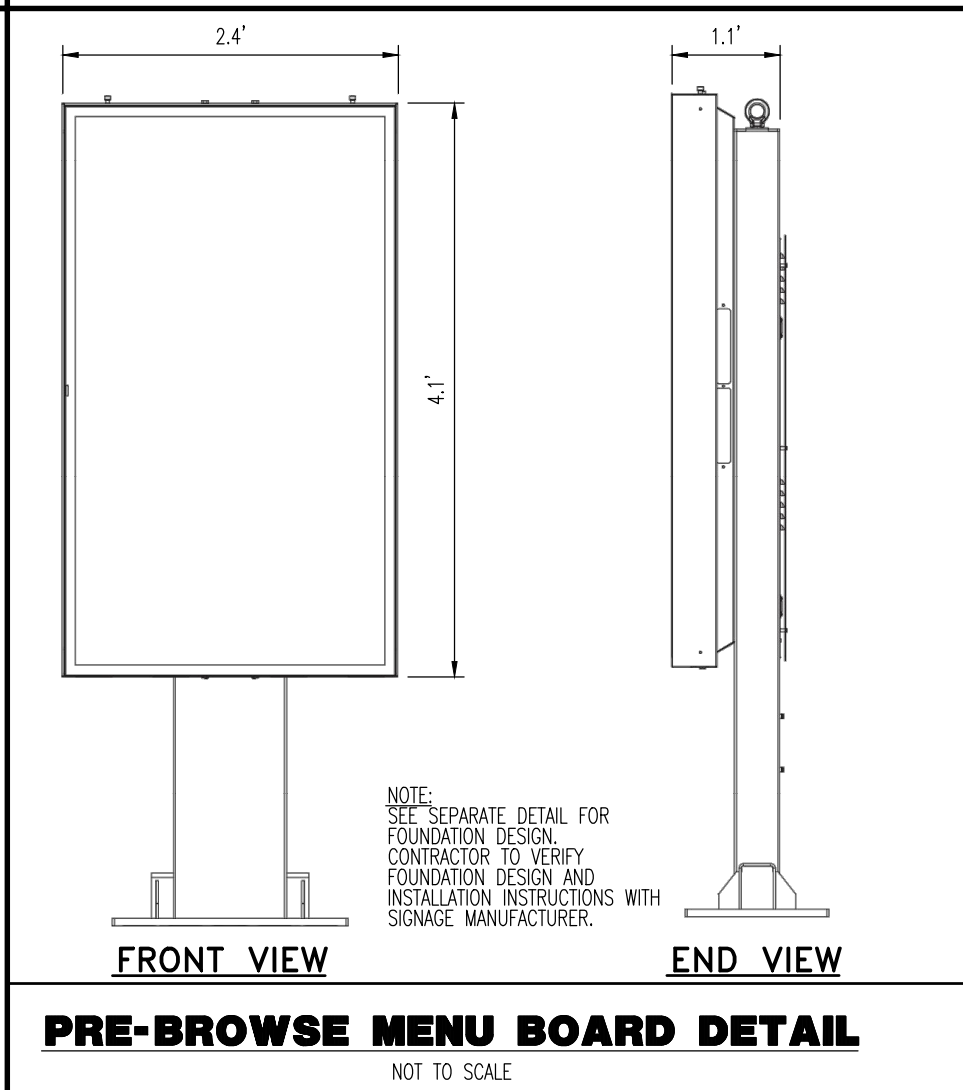


**DIGITAL MENU BOARD FOUNDATION DETAIL**  
NOT TO SCALE




### **SIDE-BY-SIDE DRIVE-THRU CRITERIA NOTES**

- 1 DRIVE-THRU LINES BOUND BY CURB ON BOTH SIDES ARE TO BE 12'-0". LINES BOUND BY CURB ON ONE SIDE AND STRIPING ON THE OTHER SIDE ARE TO BE A MIN. OF 10'-0".
- 2 THE MIN. RADIUS FOR ALL INSIDE/DRIVER'S SIDE DRIVE-THRU CURBING IS 20'-0".
- 3 THE OVERALL LENGTH OF THE CURBED ISLAND SHOULD BE 35'-45". THE LENGTH OF THE ISLAND FROM THE CANOPY ALLOWS FOR THREE CARS IN THE SECONDARY LANE, TWO IN THE PRIMARY LANE AND ONE AT THE COMMITMENT POINT. THE BASIS FOR THE ISLAND TIP SHALL BE 1'-6". THE ISLAND SHALL BE 6'-0" AT THE WIDEST POINT (FACE OF CURB TO FACE OF CURB).
- 4 6" WIDE YELLOW PAINT STRIPS TO SPAN OUTSIDE EDGE OF THE ENTIRE DRIVE-THRU LANE.
- 5 ARROW PAVEMENT MARKING. STANDARD STRIPING MARKINGS ARE 7'-0" SHAFT, 7'-0" ARROW STEM AND 3'-0" FOR THE ARROW HEAD. TIP OF ARROW HEAD TO BE LOCATED AT CENTER OF EACH LANE.
- 6 MERGE POINT IS LOCATED WHERE TWO VEHICLES LEAVING EACH CANOPY SIMULTANEOUSLY MEET. THE MERGE POINT STRIPING IS TO BE LOCATED BY OFFSETTING THE INNER PRIMARY LANE BACK OF CURB 9'-0" AND OFFSETTING THE OUTER LANE STRIPING 8'-0". AT THE INTERSECTION OF THESE OFFSETS, A 6" YELLOW STRIPE IS TO BE MARKED PERPENDICULAR TO THE OUTER LANE AS WELL AS THE INNER PRIMARY LANE.
- 7 A CIRCLE DIRECTIONAL ARROW CENTERED ABOVE THE WORD "DRIVE THRU" USED TO INDICATE THE DRIVE THRU ENTRY POINT.
- 8 MIN. 60'-0" (+5, -60/-65) LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE CANOPY FACE AND THE CENTER LINE OF THE OPEN ORDER WINDOW AS MEASURED ALONG THE CENTER LINE OF THE CURB. THIS MAY ONLY BE INCREASED IN 20'-0" INCREMENTS (± FOR 80', 100', AND 120') TO A MAX OF 120'. 100' IS OPTIMAL.
- 9 THE CENTER OF THE PRIMARY MENU BOARD FOUNDATION IS TO BE 5'-9" (5'-0" MIN. AND 6'-0" MAX.) FROM THE CENTER OF THE CANOPY FOUNDATION, WITH THE END CAP OF THE PRIMARY MENU BOARD NOT LESS THAN 15" FROM FACE OF CURB. THE PRIMARY MENU BOARD SHOULD BE AT AN ANGLE OF APPROXIMATELY 25° TO 35° ANGLE (35° IS PREFERRED) FROM A CAR POSITIONED AT THE CANOPY AND WITH 100% VISIBILITY. THE PRIMARY LANE DETECTOR LOOP SHOULD BE PERPENDICULAR TO THE CENTER OF THE PRIMARY CANOPY.
- 10 AUSER "MCDONALD'S ORDER HERE" SIGN DRIVE-THRU CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
- 11 PRE-BROWSE BOARD MUST BE MIN. 12" FROM FACE OF CURB (18" TO 24" PREFERRED). THE DISTANCE BETWEEN THE PRIMARY CANOPY AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG THE FACE OF THE CURB. THIS IS MEASURED FROM THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE CENTER OF THE CANOPY FOUNDATION. THE ANGLE (APPROXIMATELY 50°) OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM CANOPY.
- 12 A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE-THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.
- 13 AUSER "MCDONALD'S GATEWAY" SIGN FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
- 14 THE DISTANCE BETWEEN THE TIP OF THE CURBED ISLAND AND THE CENTER LINE OF THE PRIMARY CANOPY MUST BE 15'-0". THIS MEASUREMENT IS TAKEN PARALLEL TO THE INSIDE CURB FACE OF THE PRIMARY LANE.
- 15 TO POSITION THE SECONDARY CANOPY, DRAW AN ARC WITH A 14' RADIUS THAT IS CENTERED FROM THE MIDPOINT OF THE ISLAND TIP. THEN OFFSET THE FACE OF THE CURB BY 24" TO DETERMINE THE LOCATION OF CENTER OF FOUNDATION OF THE SECONDARY CANOPY.
- 16 WHEN THE SECONDARY CANOPY IS LOCATED AT 14'-0" FROM THE TIP OF THE CURBED ISLAND, THE LOOP DETECTOR IS TO BE 2'-0" FORWARD OF THE CANOPY CENTER LINE WITH THE LOOP FACING FORWARD AND THE DETECTOR LOOP PERPENDICULAR TO THE SECONDARY CANOPY WHEN POSSIBLE.
- 17 THE CENTER OF THE SECONDARY MENU BOARD FOUNDATION SHALL BE 5'-9" (5'-0" MIN. AND 6'-0" MAX.) FROM THE CENTER OF THE CANOPY FOUNDATION, WITH THE END CAP OF THE SECONDARY MENU BOARD NOT LESS THAN 15" FROM FACE OF CURB. THE SECONDARY MENU BOARD SHOULD BE AT AN ANGLE OF APPROXIMATELY 25° FROM A VEHICLE POSITIONED AT THE CANOPY AND WITH 100% VISIBILITY.
- 18 PRE-BROWSE BOARD MUST BE MIN. 12" FROM FACE OF CURB (18" TO 24" PREFERRED). THE DISTANCE BETWEEN THE SECONDARY CANOPY AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG FACE OF THE CURB. THIS IS MEASURED FROM THE POINT PERPENDICULAR TO THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE POINT PERPENDICULAR TO THE CENTER OF THE CANOPY FOUNDATION. THE ANGLE OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM CANOPY (PREFERRED 35°).
- 19 "ANY LANE, ANY TIME" BOLLARD SIGN MUST BE A MIN. OF 1'-6" FROM FACE OF CURB AT THE BEGINNING OF THE LANDSCAPE ISLAND. BOLLARD SIGN IS TO BE ORIENTED AT AN ANGLE OF 90° FROM THE CURB.
- 20 THE WORDS "THANK YOU" ARE TO BE PLACED 10' FROM THE CENTER LINE OF THE OPEN PICKUP WINDOW OR 8' FROM THE EDGE OF THE YELLOW STRIPE TO THE BOTTOM OF THE WINDOW "YOU".
- 21 DETECTOR LOOPS SHALL BE LOCATED AT THE CENTER OF THE OPENING AT THE PAY AND PICKUP WINDOWS.
- 22 PULL FORWARD POSITION NO. 1. PROVIDE 8" WIDE, 10' LONG, PAINTED (PMS 123 YELLOW) STRIPE 40' FROM CENTER OF OPEN FORWARD WINDOW AND PULL FORWARD IN-BOUND SIGN.
- 23 PULL FORWARD POSITION NO. 2. PROVIDE 8" WIDE, 10' LONG, PAINTED (PMS 123 YELLOW) STRIPE 40' FROM PULL

## GENERAL DRIVE-THRU NOTES

1. SIGNAGE & DRIVE-THRU ELEMENTS:
  - a. DRIVE-THRU CANOPY, GATEWAY, MENU BOARD AND PRE-BROWSE BOARD SHALL BE CONSISTENT WITH THE CURRENTLY APPROVED DESIGNING SETTING DRIVE-THRU ELEMENTS.
  - b. OTHER DESIGNS MAY NOT BE USED.
2. THE PLACEMENT OF THE CANOPY AND ANY ADDITIONAL EQUIPMENT SHOULD BE SUCH THAT IT PREVENTS BLOCKING THE CUSTOMER'S VIEW OF THE MENU BOARD WHILE ORDERING.
3. GENERAL CONTRACTOR SHALL COORDINATE WITH CIVIL ENGINEER, MCDONALD'S PROJECT MANAGER AND SIGNAGE SUPPLIER TO DETERMINE THE LOCATION, HEIGHT, SPACING, HEIGHTS AND NUMBER OF SIGNS AND OTHER DRIVE-THRU ELEMENTS TO BE INSTALLED AT THIS SITE PRIOR TO CONSTRUCTION. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
4. CONTACT MCDONALD'S AREA CONSTRUCTION MANAGER FOR SIGNAGE & DRIVE-THRU ELEMENT FOOTING AND WIRING REQUIREMENTS. SIGNAGE MANUFACTURER TO PROVIDE FOOTING ANCHORS & TEMPLATES TO G.C. PRIOR TO FOUNDATION POUR.
5. SEE ARCHITECTURAL PLANS FOR DRIVE-THRU LOOP DETECTOR AND WIRING INFORMATION.
6. GENERAL CONTRACTOR TO COORDINATE THE RESPONSIBILITIES OF THE ELECTRICAL CONTRACTOR AND SIGN SUPPLIER.
7. GENERAL CONTRACTOR TO INSTALL PRE-FORMED, PRE-WIRED VEHICLE DETECTOR LOOP. SEE ARCHITECTURAL PLANS FOR DETAILS.
8. GENERAL CONTRACTOR TO VERIFY CUMULATIVE SIGNS REQUIRED BY VEHICLE LOOP DETECTOR SUPPLIER.
9. IF 15" MIN. CLEARANCE CANNOT BE ATTAINED OR IF THERE IS A HIGH CHANCE OF AN IMPACT, A BOLLARD MAY BE INSTALLED TO PROTECT THE APPROPRIATE BOARD(S). 100% VISIBILITY OF THE BOARD(S) IS REQUIRED AFTER BOLLARD PLACEMENT.
10. ALL DRIVE-THRU EQUIPMENT SUPPLIED BY MCDONALD'S APPROVED SUPPLIERS.

TIAGO F. DUARTE PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 52588		DOUGLAS GRYSKO PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 45696		TITLE PROJECT DESCRIPTION CONSTRUCTION SITE ID 02724	3110-99-003  SHEET 2 OF 2
--	--	---	--	---	--