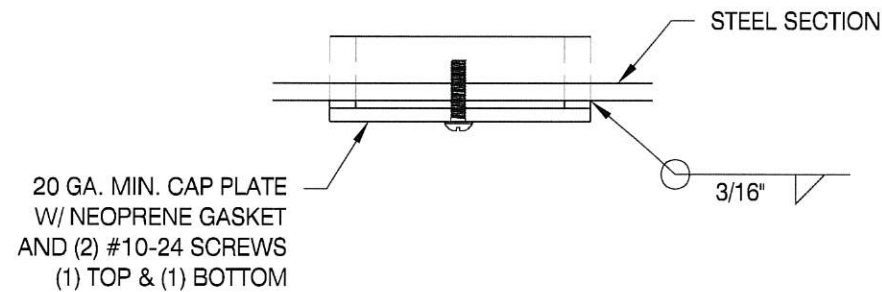
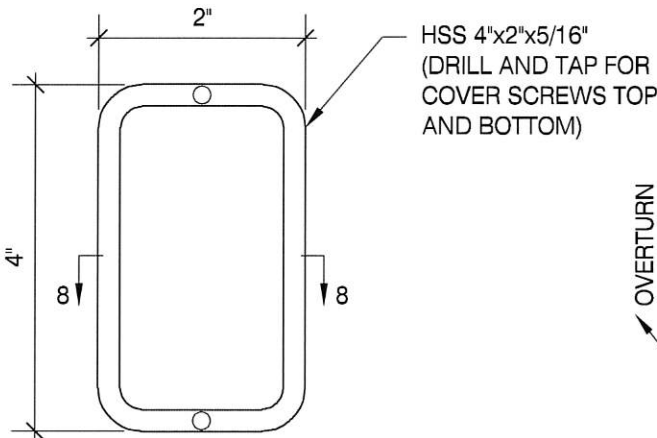


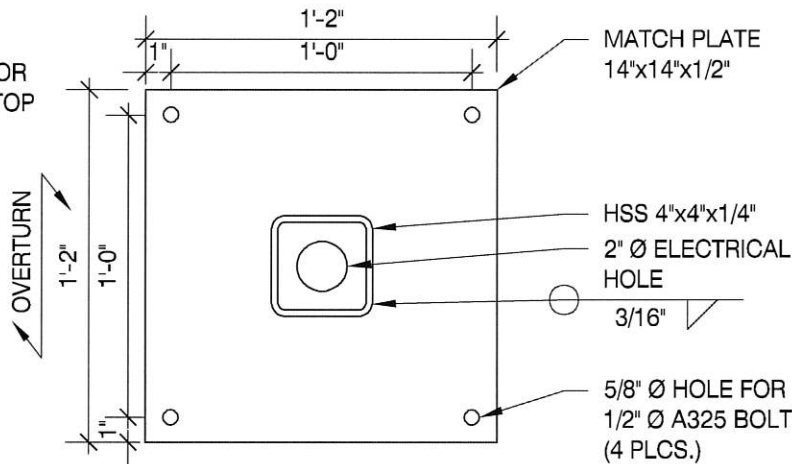
Welding to be done by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.



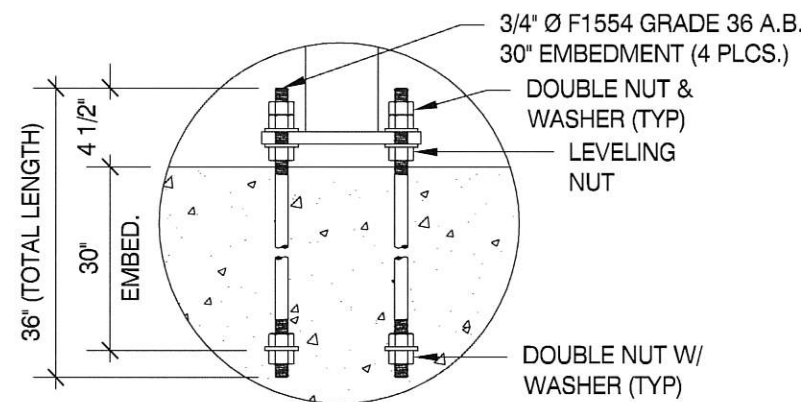
HAND HOLE SECTION
SCALE: N.T.S.



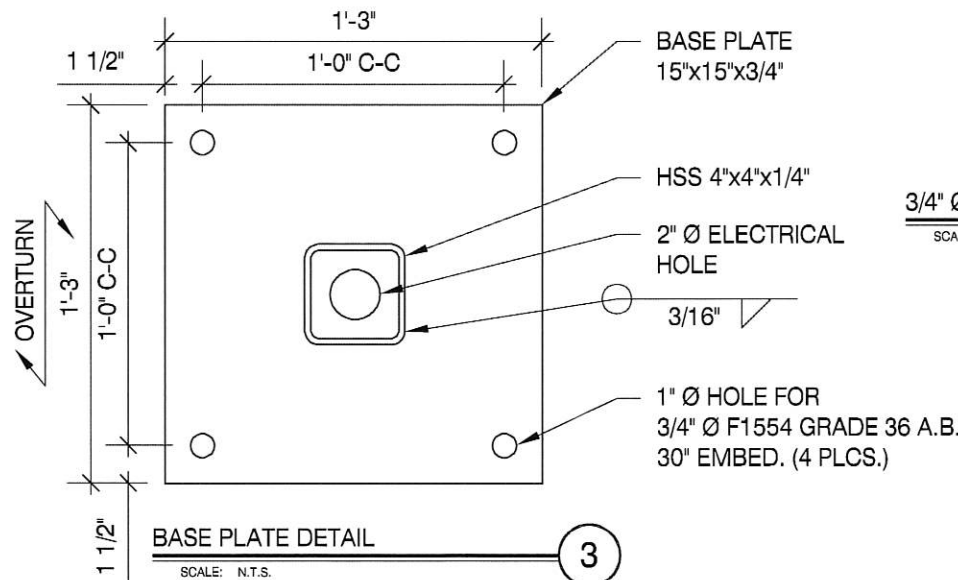
HAND HOLE DETAIL
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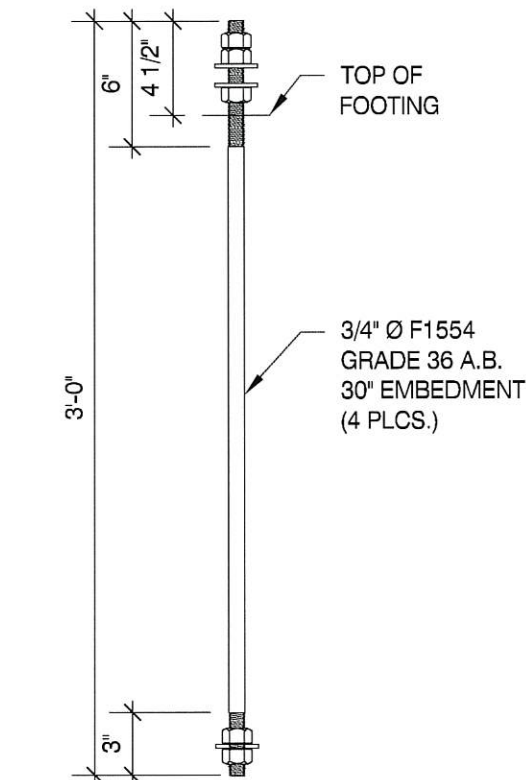
MATCH PLATE DETAIL
SCALE: N.T.S.



ANCHOR BOLT DETAIL
SCALE: N.T.S.



BASE PLATE DETAIL
SCALE: N.T.S.



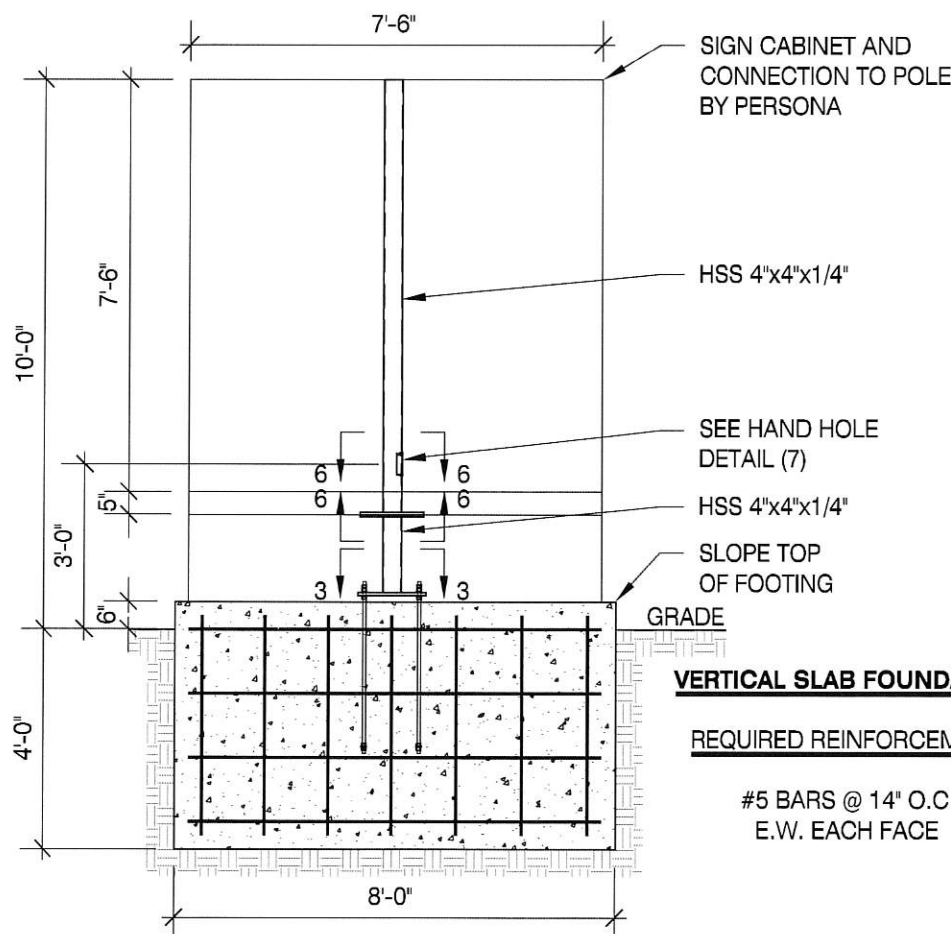
3/4" ANCHOR BOLT DETAIL
SCALE: N.T.S.

- NOTES
- 1.) SEE MANUFACTURERS DRAWINGS FOR ADDITIONAL DETAILS AND DIMENSIONS.
 - 2.) SIGN CABINET AND CONNECTION BY PERSONA.

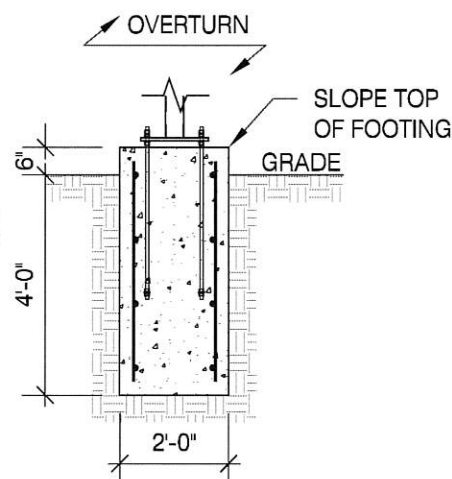
- * CLIENT - PERSONA
- * 2021 IBC
- * RISK CATEGORY II
- * 110 MPH WIND SPEED, EXP. C
- * (1) POLE, (1) FOOTING

2 sets of engineering have been submitted. one on 11x17 and another on 24x36. They appear to be duplicates, but drawings should be consolidated into a single set for ease of construction, inspection and ensure there are not an inconsistencies between drawings.

(Engineered Plans)



FRONT ELEVATION W/ VERTICAL SLAB FOUNDATION
SCALE: N.T.S.



VERTICAL SLAB SIDE VIEW
SCALE: N.T.S.

VERTICAL SLAB FOUNDATION
REQUIRED REINFORCEMENT
#5 BARS @ 14" O.C.
E.W. EACH FACE

LOUIS J. CORTINA, P.E.

299 N. WEISGARBER RD.
SUITE #: 101
KNOXVILLE, TN 37919

PHONE 865.584.0999
SIGN-ENGINEER.COM

PROJECT:
2902 E PIONEER, PUYALLUP, WA 98372

DRAWING TITLE:

MCDONALD'S #43903

DRAWN BY:
CTP

CHECKED BY:
BSP

COMM. NO.
250030-067-00

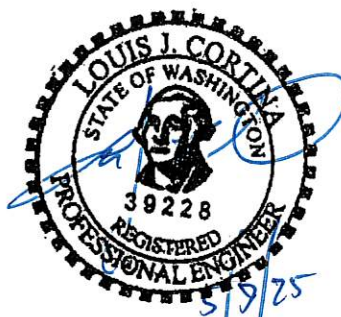
DATE:
05/09/25

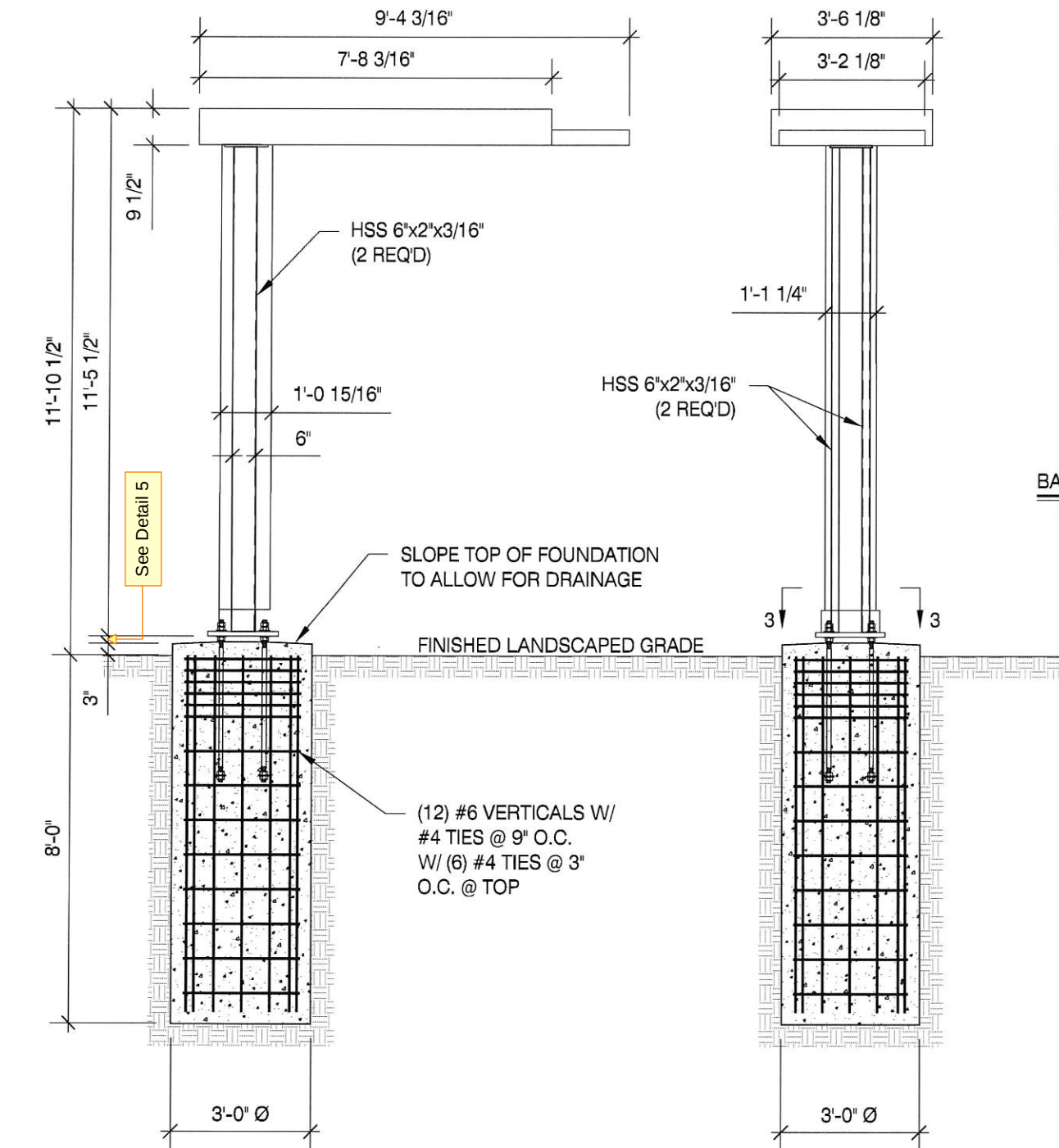
REV #	DATE	DRAWN BY

DRAWING NO.
DWG.

1

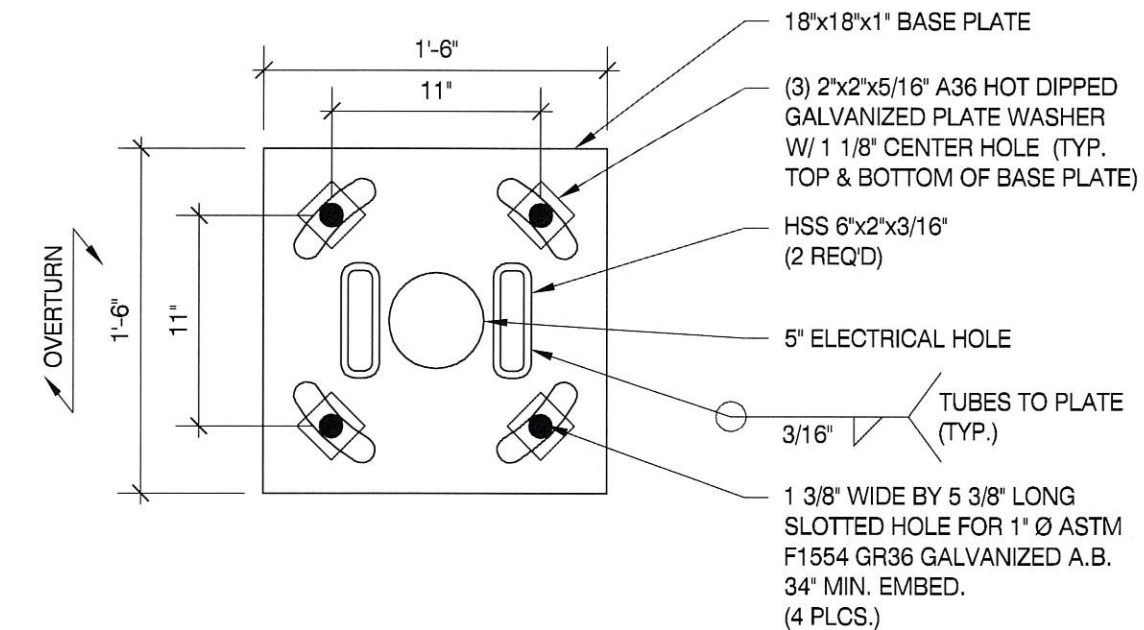
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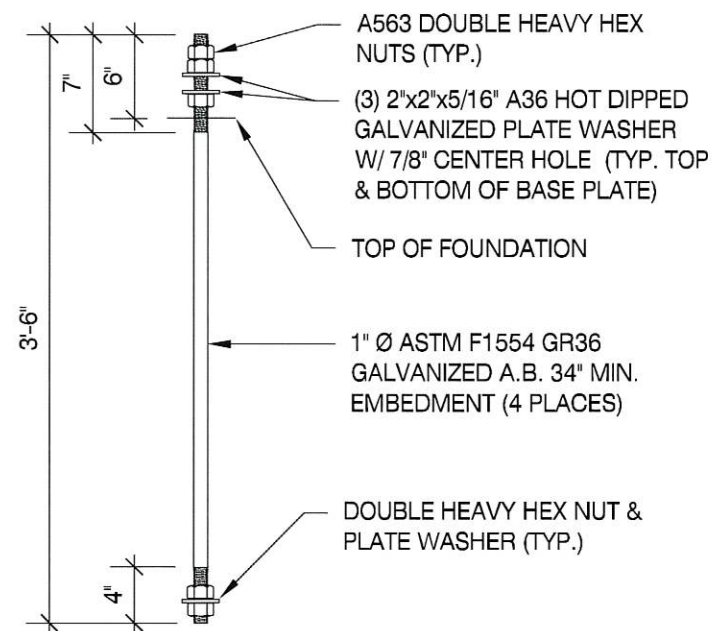


FRONT ELEVATION W/CAISSON FOUNDATION

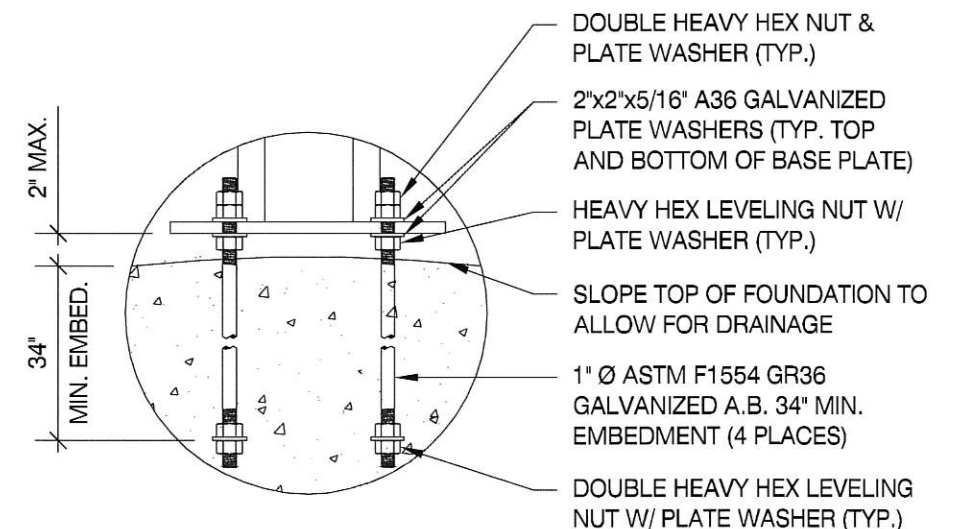
SIDE ELEVATION W/CAISSON FOUNDATION



BASE PLATE



ANCHOR BOLT DETAIL



EMBEDMENT DETAIL

- * CLIENT - PERSONA
- * 2021 IBC
- * RISK CATEGORY II
- * 110 MPH WIND SPEED, EXP. C
- * (2) POLES, (1) FOOTING

GENERAL NOTES:

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4. DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF THE POLE.

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DRAWN BY: CTP
CHECKED BY: BSP
COMM. NO. 250030-067-00

DATE: 05/09/25
REV # DATE DRAWN BY

DRAWING NO.

DWG.
2

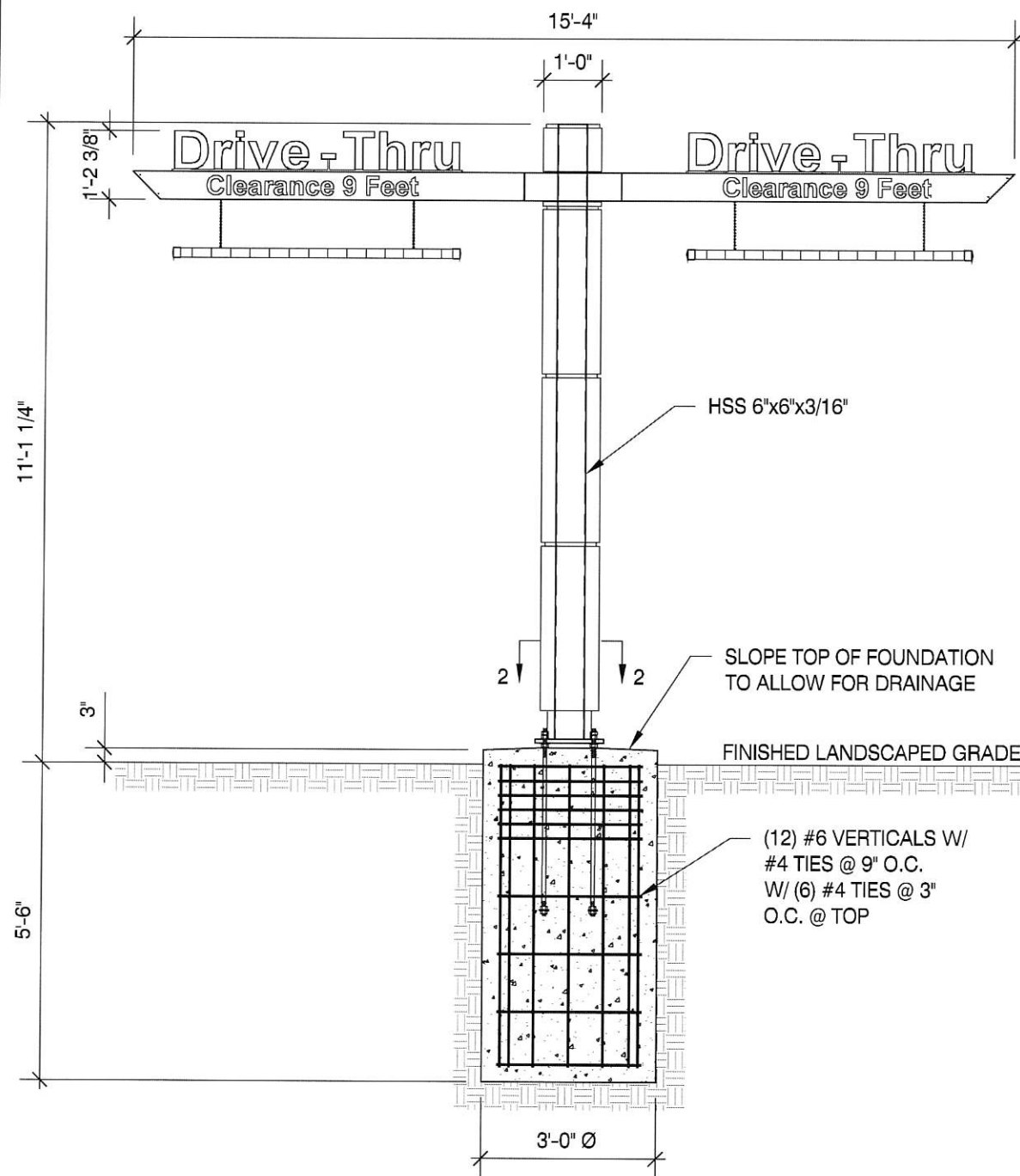


* CLIENT - PERSONA
* 2021 IBC
* RISK CATEGORY II
* 110 MPH WIND SPEED, EXP. C
* (1) POLE, (1) FOOTING

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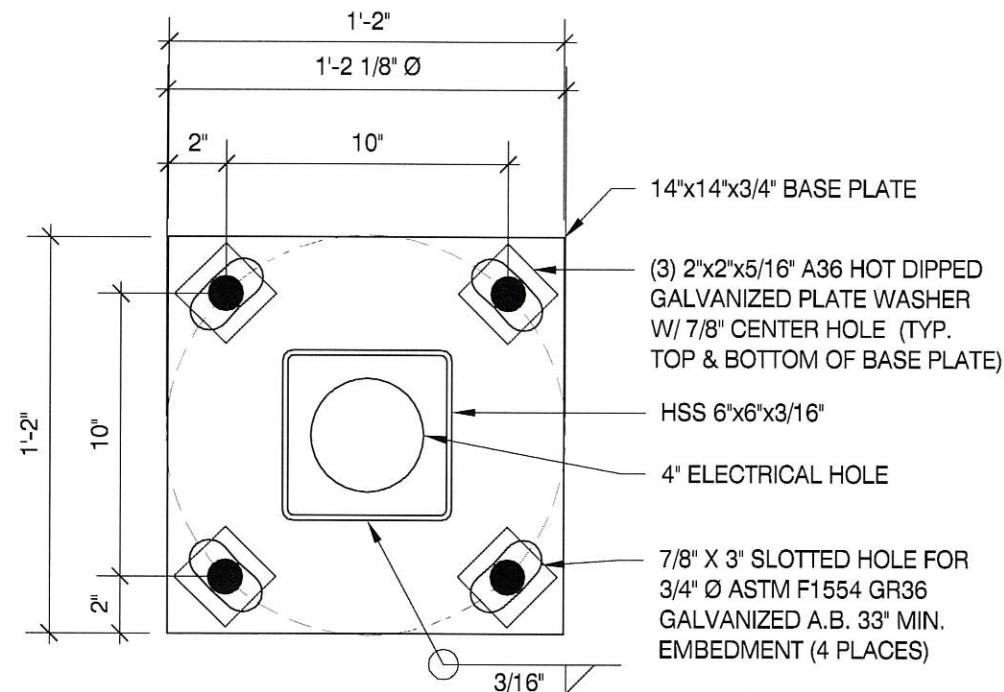
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DOUBLE ARM GATEWAY FRONT ELEVATION W/ CAISSON FOUNDATION

SCALE: N.T.S.

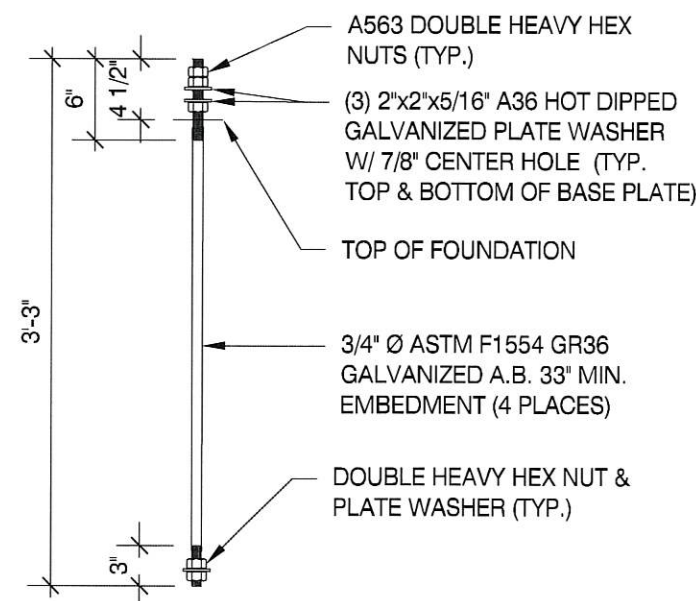
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BASE PLATE

SCALE: N.T.S.

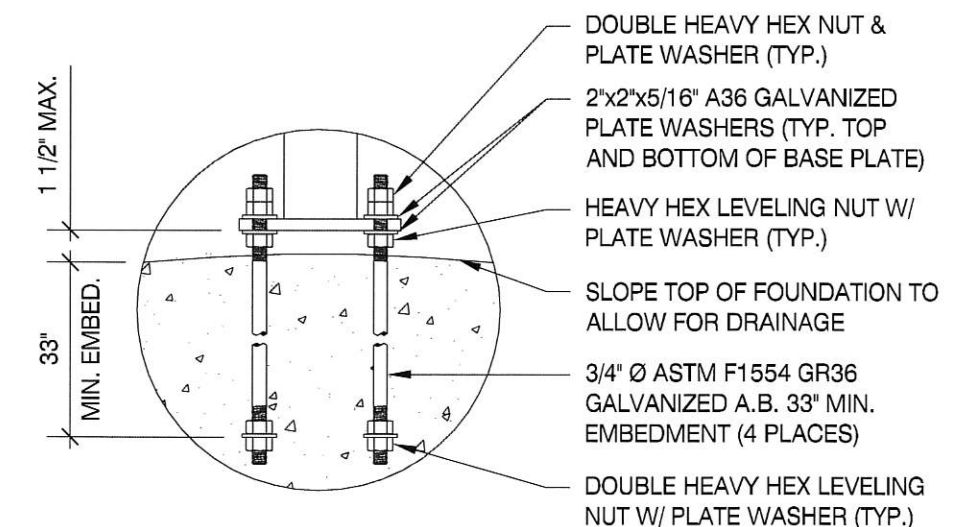
2



ANCHOR BOLT DETAIL

SCALE: N.T.S.

3



EMBEDMENT DETAIL

SCALE: N.T.S.

4

LOUIS J. CORTINA, P.E.

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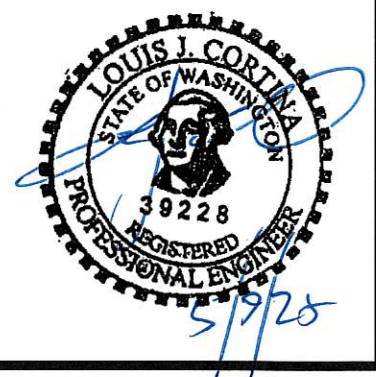
COMM. NO.
250030-067-00

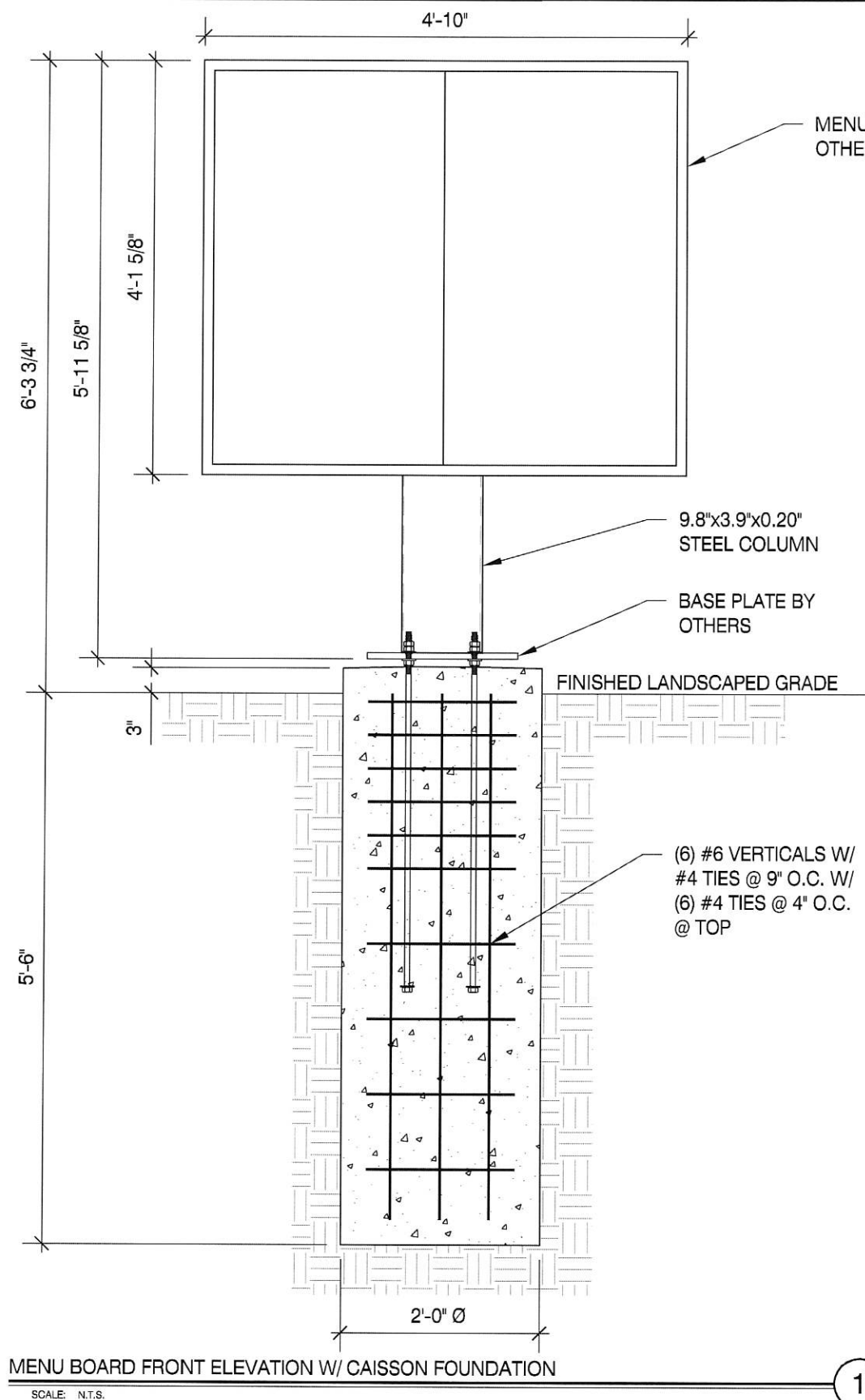
DATE:
05/09/25

DRAWING NO.
DWG.

3

DOUBLE ARM GATEWAY





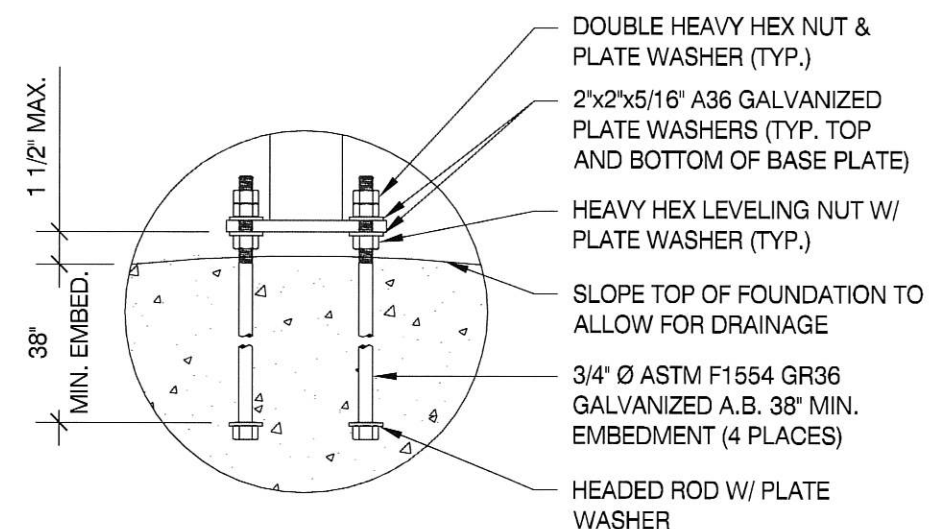
ANCHOR BOLT DETAIL

SCALE: N.T.S.



EMBEDMENT DETAIL

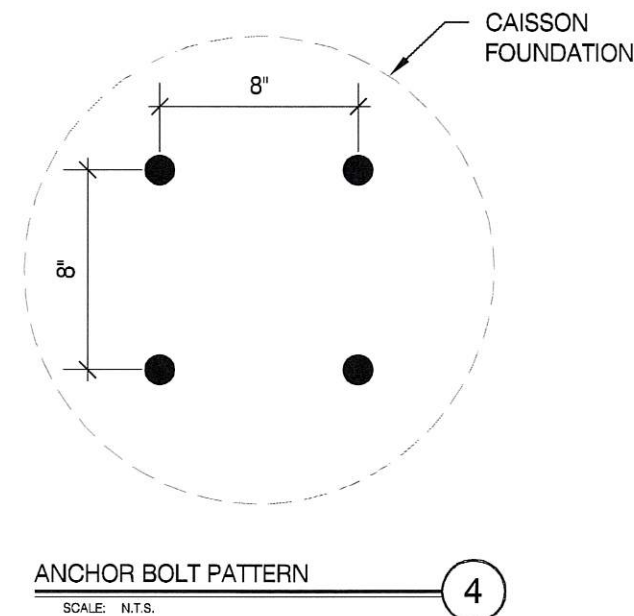
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- * CLIENT - PERSONA
- * 2021 IBC
- * RISK CATEGORY II
- * 110 MPH WIND SPEED, EXP. C
- * (1) POLE, (1) FOOTING

GENERAL NOTES:

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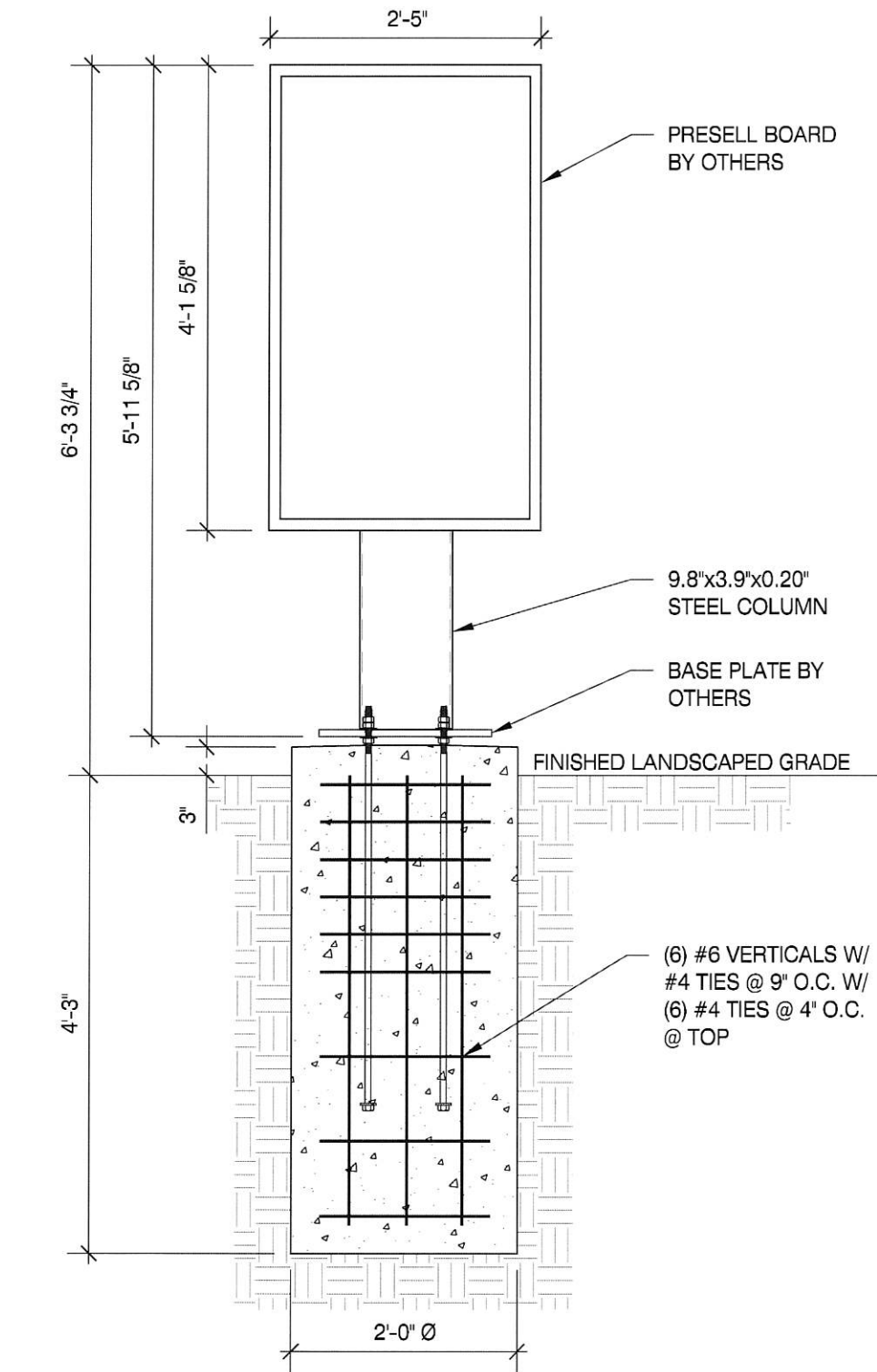
DATE:
05/09/25

DRAWING NO.
DWG.

4

COATES
MENU BOARD





PRESELL BOARD FRONT ELEVATION W/ CAISSON FOUNDATION

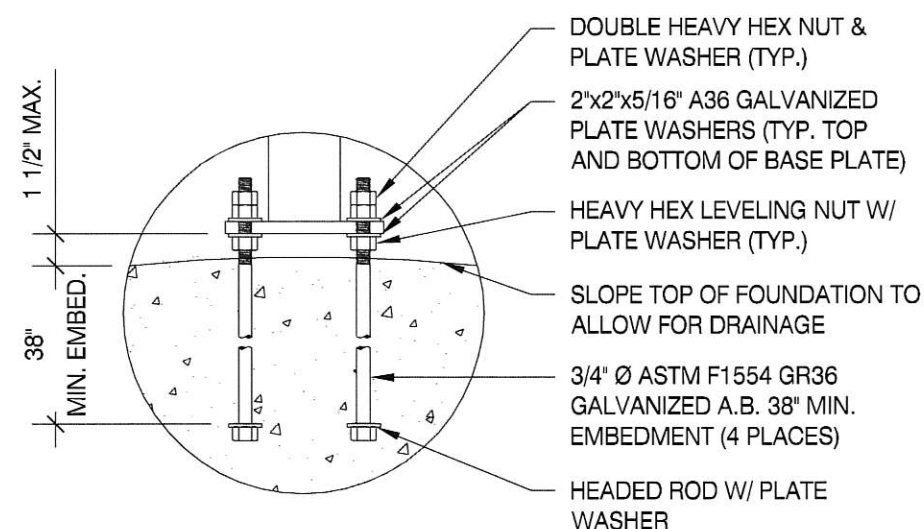
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1

ANCHOR BOLT DETAIL

SCALE: N.T.S.

2



EMBEDMENT DETAIL

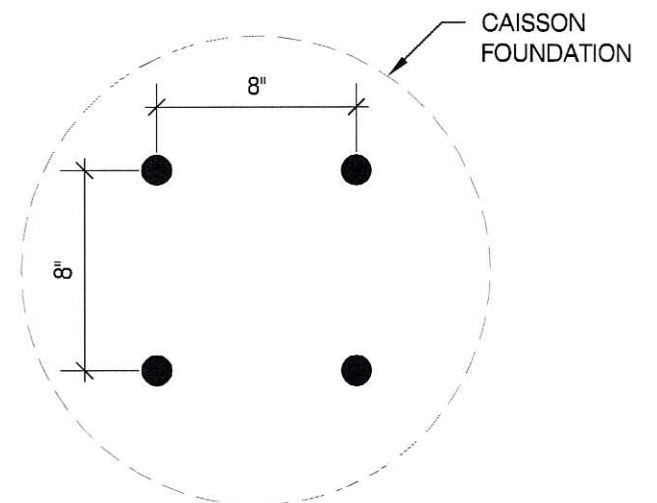
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3

- * CLIENT - PERSONA
- * 2021 IBC
- * RISK CATEGORY II
- * 110 MPH WIND SPEED, EXP. C
- * (1) POLE, (1) FOOTING

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ANCHOR BOLT PATTERN

SCALE: N.T.S.

4

LOUIS J. CORTINA, P.E.

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PROJECT:
2902 E PIONEER, PUYALLUP, WA 98372

DRAWING TITLE:

MCDONALD'S #43903

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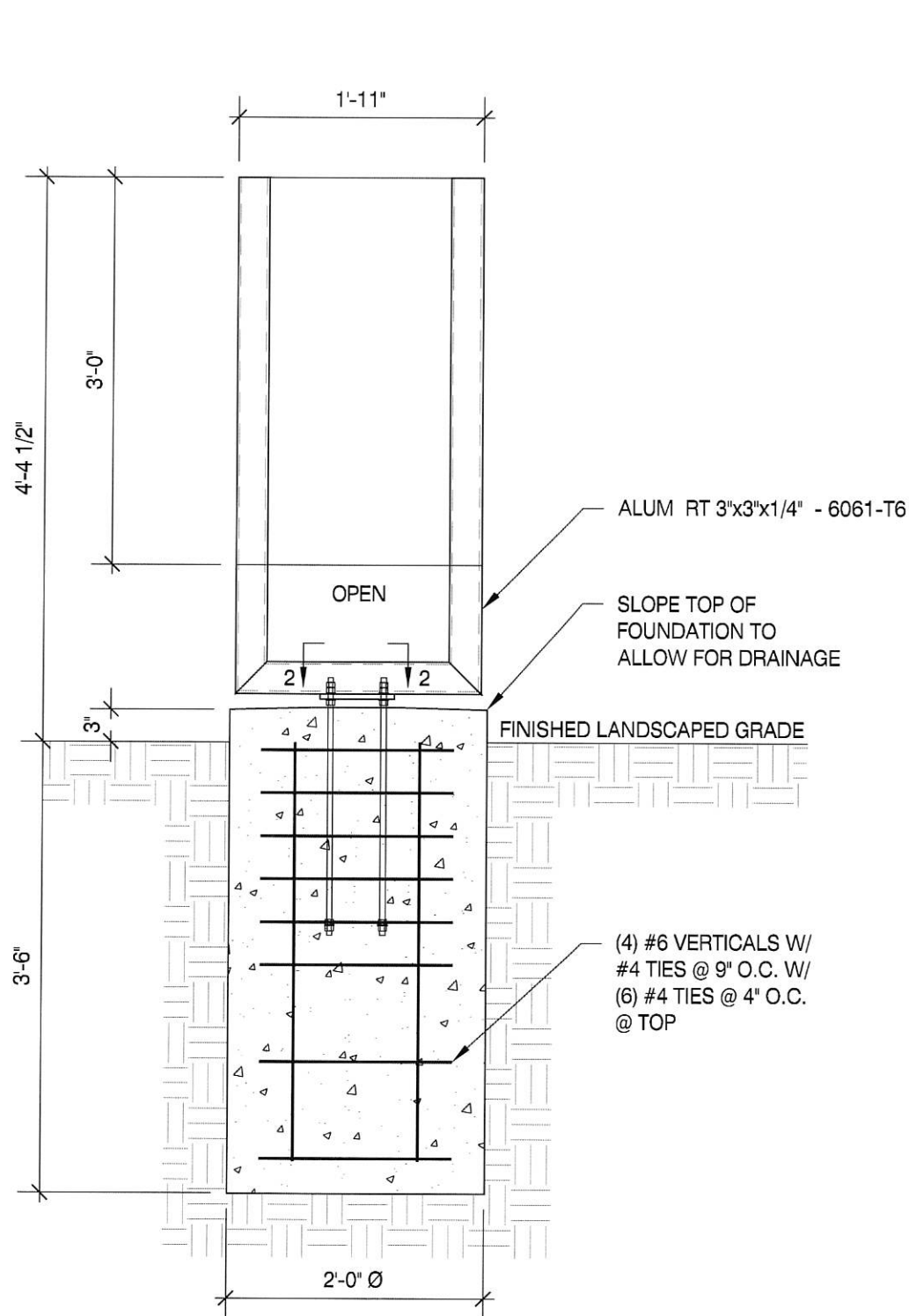
DATE:
05/09/25

DRAWING NO.
DWG.

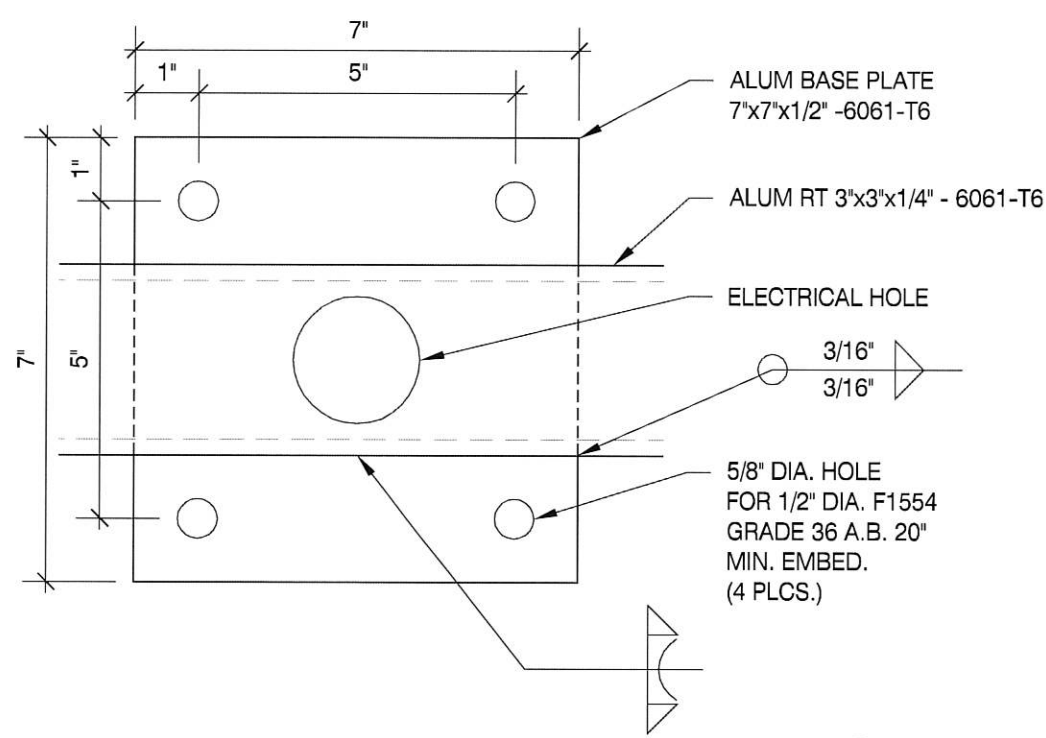
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**COATES
PRESELL BOARD**

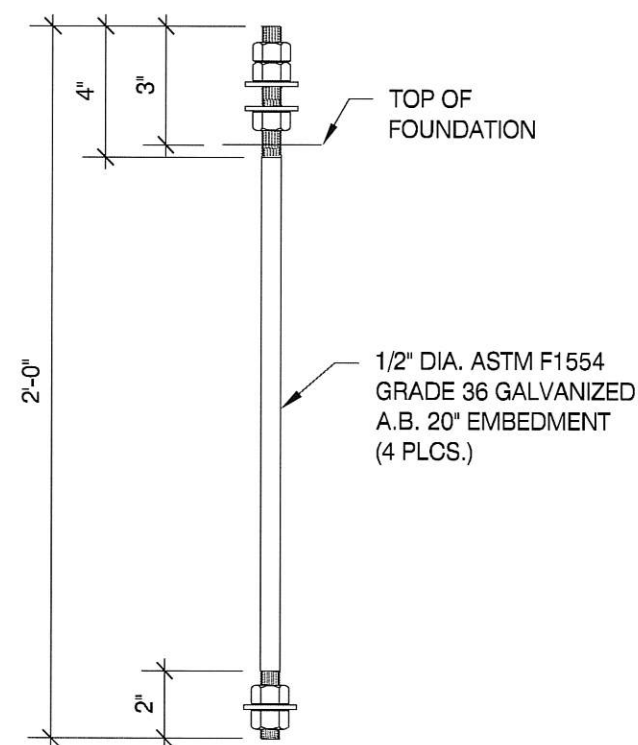




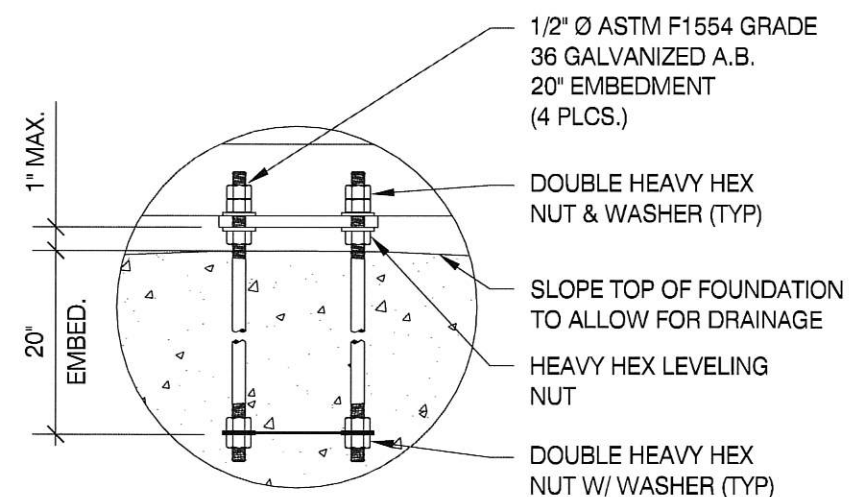
DIRECTIONAL FRONT ELEVATION W/ CAISSON FOUNDATION
SCALE: N.T.S.



BASE PLATE
SCALE: N.T.S.



ANCHOR BOLT DETAIL
SCALE: N.T.S.



EMBEDMENT DETAIL
SCALE: N.T.S.

- * CLIENT - PERSONA
- * 2021 IBC
- * RISK CATEGORY II
- * 110 MPH WIND SPEED, EXP. C
- * (1) POLE, (1) FOOTING

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LOUIS J. CORTINA, P.E.

299 N. WEISGARBER RD. PHONE 865.584.0999
SUITE #: 101 SIGN-ENGINEER.COM
KNOXVILLE, TN 37919

PROJECT:
2902 E PIONEER, PUYALLUP, WA 98372

DRAWING TITLE:

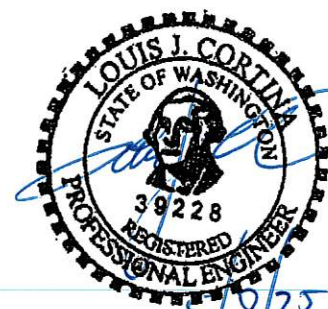
MCDONALD'S #43903

DRAWN BY: CTP
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COMM. NO. 250030-067-00

DATE: 05/09/25

REV #	DATE	DRAWN BY

DRAWING NO.
DWG. 6



NEXT GEN DIRECTIONAL

GROUND SIGN DESIGN SPECIFICATIONS:

REFER TO SIGN COMPANY'S DRAWINGS FOR MORE DETAILS.
ALL DESIGNS, DETAILING FABRICATION AND CONSTRUCTION SHALL CONFORM TO:
2021 IBC
ACI
AISC
AMERICAN WELDING SOCIETY
LOCAL BUILDING CODES & ORDINANCES
CONCRETE: 2500 PSI @ 28 DAYS
ALUMINUM PIPE: 6061-T6 ALLOY
ALUMINUM SQUARE/RECTANGULAR: 6061-T6 ALLOY
ANCHOR BOLTS: STAINLESS STEEL OR GALVANIZED ASTM F1554 GRADE 36 U.N.O. (ALTERNATES GRADE 55 & 105)
CONNECTION BOLTS: STAINLESS STEEL OR GALVANIZED ASTM A325
ALUMINUM ANGLES, CHANNELS, STRUCTURAL SHAPES: 6061-T6 ALLOY
ALUMINUM PLATE: 5052-H34 ALLOY
ALUMINUM SHEET: 5052-H32 ALLOY
REINFORCING: GRADE 60 ASTM A615
PROVIDE A MINIMUM OF THREE INCHES OF CONCRETE COVER OVER EMBEDDED STEEL.
THE CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
NO FIELD HEATING FOR BENDING OR CUTTING OF STEEL SHALL BE ALLOWED WITHOUT THE ENGINEER'S APPROVAL.
WELD FILLER METAL: 5356
ALLOWABLE SOIL BEARING PRESSURE ASSUMED: 1500 PSF
ASSUMED HORIZONTAL (PASSIVE PRESSURE) ASSUMED AT 100 PSF/FT OF DEPTH.
ISOLATED LATERAL BEARING FOUNDATIONS FOR SIGNS NOT ADVERSELY AFFECTED A 1/2" MOTION AT THE GROUND SURFACE DUE TO SHORT TERM LATERAL LOADS SHALL BE PERMITTED TO BE DESIGNED USING TWO TIMES THE TABULATED CODE VALUES.
ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH.
FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE. THE SOIL BEARING CAPACITY IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. IF ALLOWABLE BEARING AND/OR LATERAL PRESSURE IS LESS THAN THE ABOVE ASSUMED AND/OR CALCULATED PRESSURES, THE ENGINEER SHOULD BE CONTACTED FOR RE-EVALUATION.
EXCAVATION SHALL BE FREE OF LOOSE SOIL BEFORE POURING CONCRETE.
WELDERS SHALL BE CERTIFIED FOR THE TYPE OF WELDING.
ADEQUATELY BRACE POLE(S) UNTIL CONCRETE HAS SET UP FOR 14 DAYS.
GROUT UNDER BASE PLATES WITH NON-SHRINK GROUT.
THIS ENGINEER DOES NOT WARRANT THE ACCURACY OF DIMENSIONS FURNISHED BY OTHERS.
ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
THIS DESIGN IS FOR THE INDICATED ADDRESS ONLY, AND SHOULD NOT BE USED AT OTHER LOCATIONS WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
DESIGN OF DETAILS AND STRUCTURAL MEMBERS NOT SHOWN, BY OTHERS.

FREE STANDING SIGN SPECIFICATIONS:

REFER TO SIGN COMPANY'S DRAWINGS FOR MORE DETAILS.
ALL DESIGNS, DETAILING FABRICATION AND CONSTRUCTION SHALL CONFORM TO:
2021 IBC
ACI
AISC
AMERICAN WELDING SOCIETY
LOCAL BUILDING CODES & ORDINANCES
CONCRETE: 2500 PSI @ 28 DAYS
STD. STEEL PIPE SECTION: ASTM A53 GRADE B (Fy=35 KSI)
STEEL PIPE SECTION (> 20" Ø): ASTM A252 GRADE 3 (Fy=42 KSI MIN.)
HSS ROUND SECTION: ASTM A500 GRADE B (Fy=42 KSI)
HSS SQUARE/RECTANGULAR SECTION: ASTM A500 GRADE B (Fy=46 KSI)
ANCHOR BOLTS: ASTM F1554 GRADE 36 U.N.O. (ALTERNATES GRADE 55 & 105)
CONNECTION BOLTS: ASTM A325
STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES & PLATES ASTM A36
REINFORCING: GRADE 60 ASTM A615
PROVIDE A MINIMUM OF THREE INCHES OF CONCRETE COVER OVER EMBEDDED STEEL.
THE CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS & METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
NO FIELD HEATING FOR BENDING OR CUTTING OF STEEL SHALL BE ALLOWED WITHOUT THE ENGINEER'S APPROVAL.
WELDING ELECTRODES: E70XX
ALLOWABLE SOIL BEARING PRESSURE ASSUMED: 1500 PSF
ASSUMED HORIZONTAL (PASSIVE PRESSURE) ASSUMED AT 100 PSF/FT OF DEPTH.
ISOLATED LATERAL BEARING FOUNDATIONS FOR SIGNS NOT ADVERSELY AFFECTED A 1/2" MOTION AT THE GROUND SURFACE DUE TO SHORT TERM LATERAL LOADS SHALL BE PERMITTED TO BE DESIGNED USING TWO TIMES THE TABULATED CODE VALUES.
ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH.
FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE. THE SOIL BEARING CAPACITY IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. IF ALLOWABLE BEARING AND/OR LATERAL PRESSURE IS LESS THAN THE ABOVE ASSUMED AND/OR CALCULATED PRESSURES, THE ENGINEER SHOULD BE CONTACTED FOR RE-EVALUATION.
EXCAVATION SHALL BE FREE OF LOOSE SOIL BEFORE POURING CONCRETE.
WELDERS SHALL BE CERTIFIED FOR THE TYPE OF WELDING.
ADEQUATELY BRACE POLE(S) UNTIL CONCRETE HAS SET UP FOR 14 DAYS.
THIS ENGINEER DOES NOT WARRANT THE ACCURACY OF DIMENSIONS FURNISHED BY OTHERS.
ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
THIS DESIGN IS FOR THE INDICATED ADDRESS ONLY, AND SHOULD NOT BE USED AT OTHER LOCATIONS WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
DESIGN OF DETAILS AND STRUCTURAL MEMBERS NOT SHOWN, BY OTHERS.

- * CLIENT - PERSONA
- * 2021 IBC
- * RISK CATEGORY II
- * 110 MPH WIND SPEED, EXP. C

GENERAL NOTES:

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2. SIGN CABINET AND CONNECTION BY PERSONA.
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4. DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF THE POLE.

LOUIS J. CORTINA, P.E.

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SUITE #: 101 SIGN-ENGINEER.COM
KNOXVILLE, TN 37919

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DRAWING TITLE:

MCDONALD'S #43903

DRAWN BY: CTP
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COMM. NO. 250030-067-00

DATE: 05/09/25

REV #	DATE	DRAWN BY

NOTES

DRAWING NO.
DWG.

7

