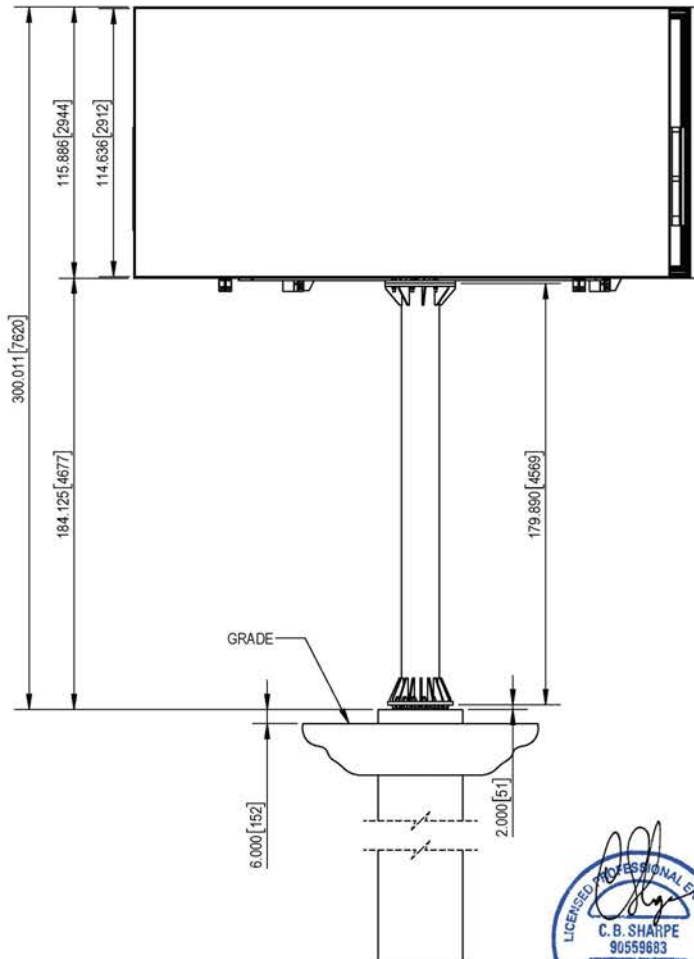
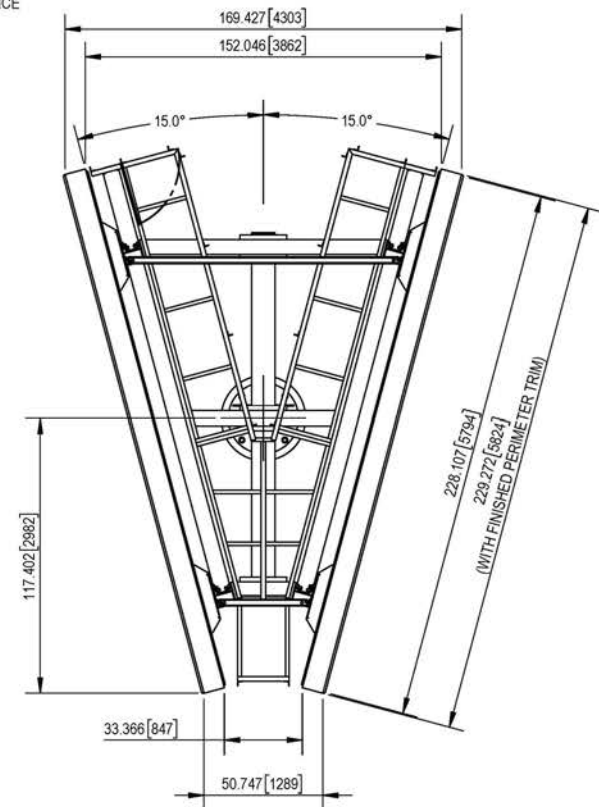


MIS-BB20.9.5x19-30
 SHEET #: 2 OF 8



GENERAL NOTES:
 1. WIND DESIGN LOADS: 2012 OBC FOR MISSISSAUGA AREA
 $q(1/50)=0.44\text{ kPa}$; DESIGNED TO NBCC FIGURE I-23
 SNOW DESIGN LOADS: $S_s = 1.1\text{ kPa}$, $S_r = 0.4\text{ kPa}$ IMPORTANCE
 FACTOR $I_w=1.0$ (ULS), $I_w=0.75$ (SLS)
 $C_e=0.95$, $C_g=2$, $C_f=1.3$, $C_n=1.0$



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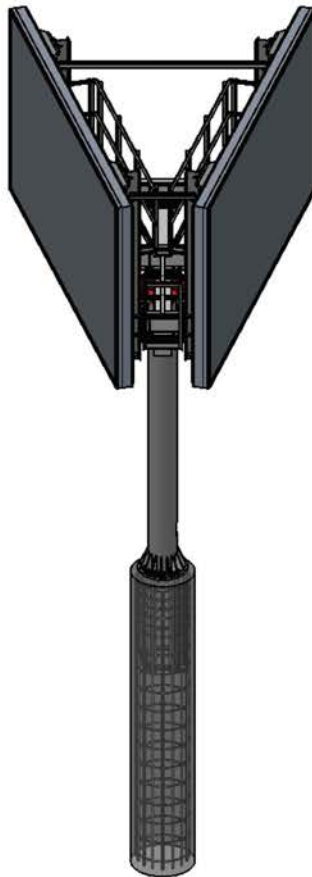
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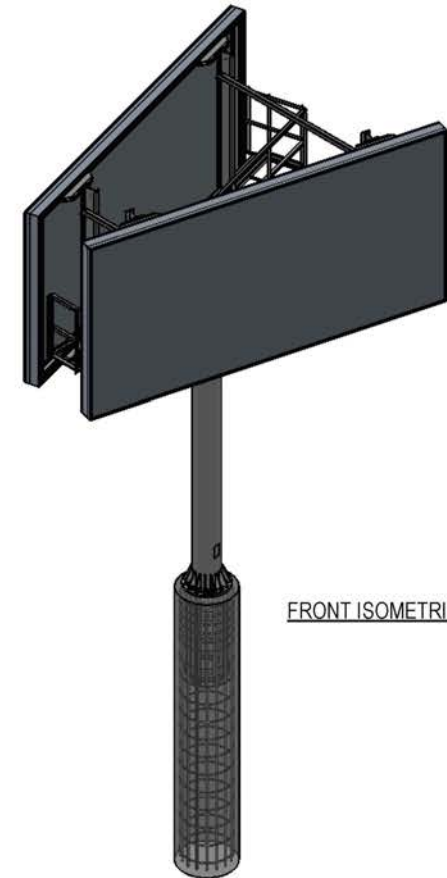
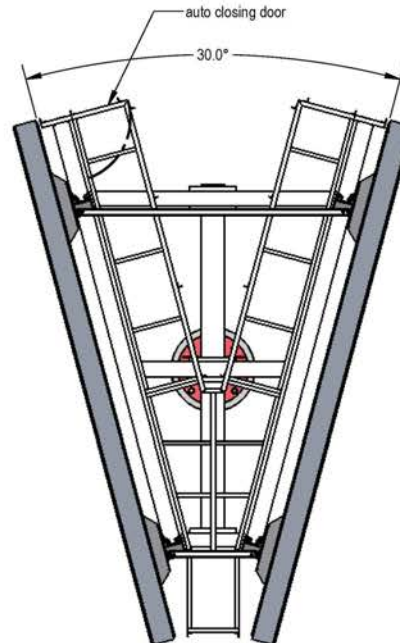
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MIS-BB20.9.5x19-30

SHEET #: 1 OF 8



FRONT ISOMETRIC



FRONT ISOMETRIC



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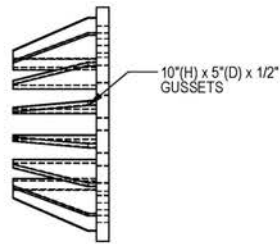
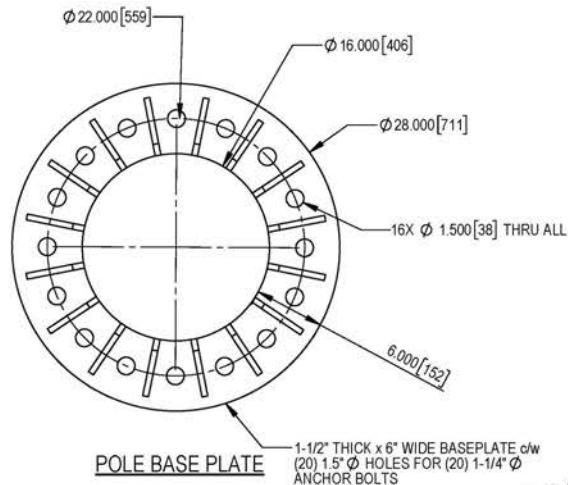
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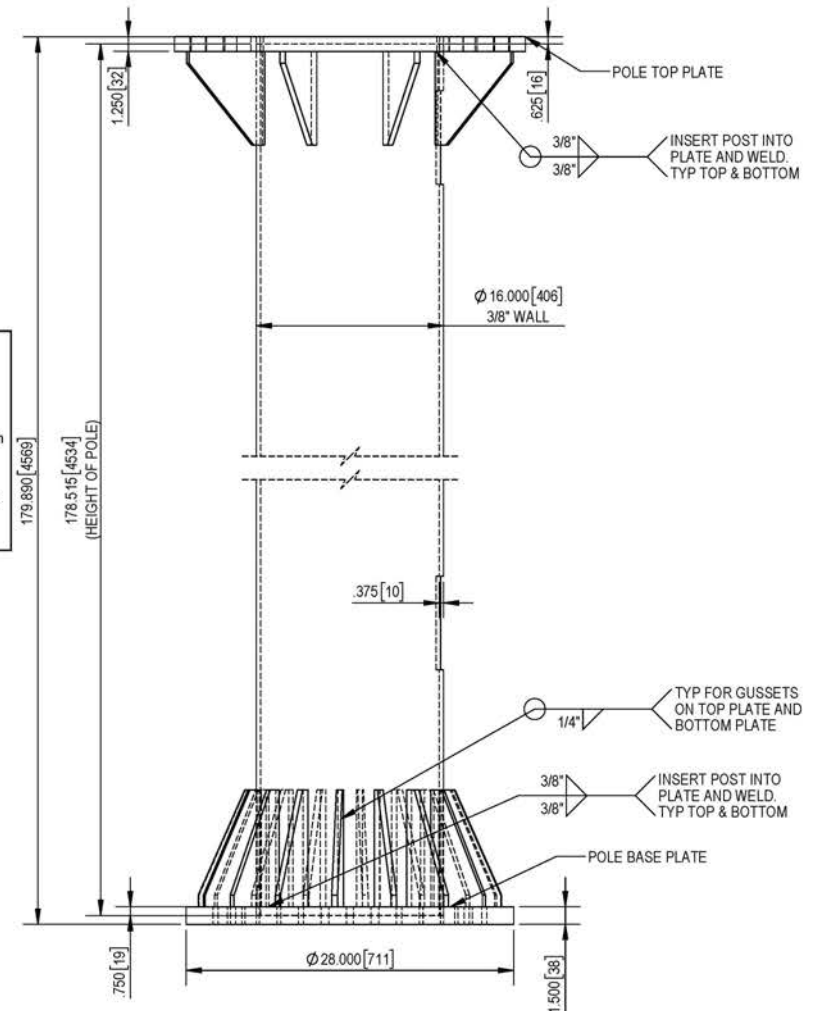
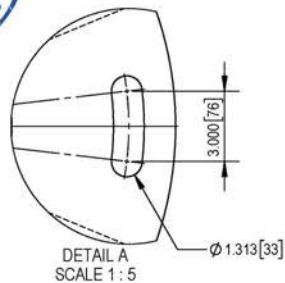
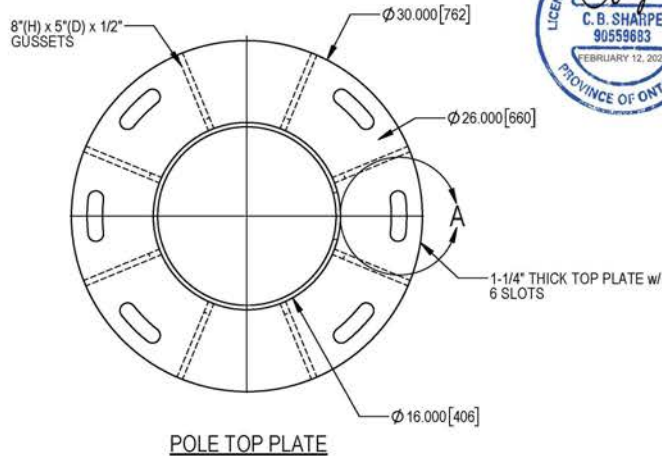
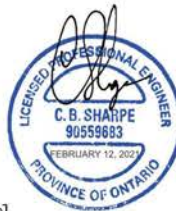
SHEET #: 3 OF 8



Project ID: SMG002

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CUT FILE CREATED: N/A

STEEL FABRICATION NOTES:

1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD S16-14 "DESIGN OF STEEL STRUCTURES."
2. STEEL GRADE:
ALL STRUCTURAL STEEL/PLATES TO BE 50W GRADE UNLESS OTHERWISE NOTED
CHANNELS AND ANGLES=G40.21 GRADE 300W
PLATE=GRADE 50W
3. ALL BOLTS TO BE IN COMPLIANCE WITH ASTM STANDARD A325M-83, GRADE A325
4. ANCHOR BOLTS/RODS ARE GRADE ASTM F1554 G36 OR GRADE 44W AND TO BE GALVANIZED MIN. 24"
5. ALL STEEL SHALL BE NEW MATERIAL
6. ALL STEEL SHALL RECEIVE A PRIMER & PAINT, & TOUCHED UP AS REQUIRED ON SITE
7. ALL STEEL TO BE WELDED PER W59-M1989, WELDED STEEL STRUCTURE (METAL ARC WELDING)
8. ALL STEEL WELDING TO BE CARRIED OUT TO CSA STANDARD CAN/CSA-W47.1-92 - CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES
9. QUALIFIED WELDERS: COMPLY WITH CSA STANDARD W47.1-1983
10. EXPOSED WELDS ARE SMOOTH AND FLUSH TO ADJACENT FINISHES. CONSTRUCT INTERIOR CORNERS WITH SHARP LINES UNLESS INDICATED OTHERWISE. WELDS SHOULD BE CONTINUOUS UNLESS OTHERWISE INDICATED
11. DISIMILAR METALS ARE PROTECTION FROM EACH OTHER TO PREVENT GALVANIC CORROSION
12. ANCHOR BOLTS AND CATWALKS SHALL BE GALVANIZED
13. GALVANIZATION TO BE TO STANDARD CAN/CSA 916/49M92

GENERAL FINISH NOTES:

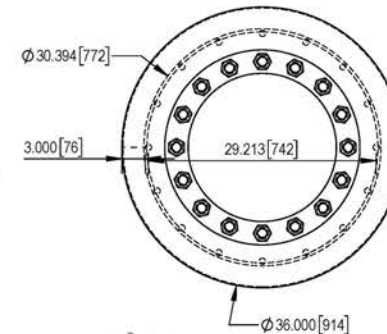
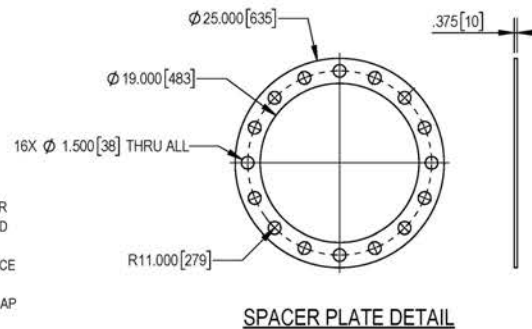
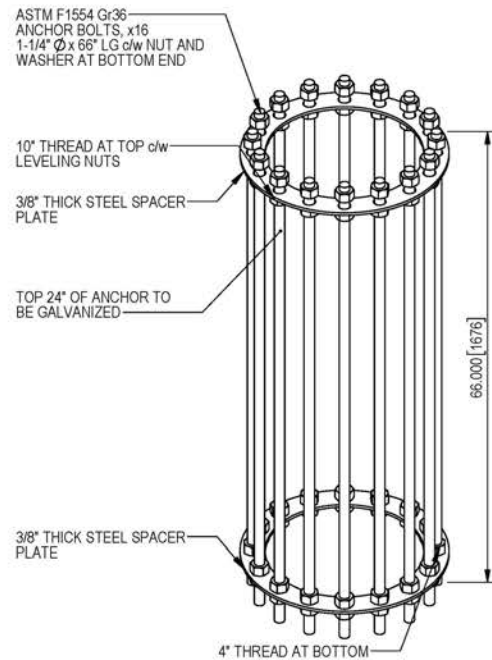
14. PAINTED SURFACES TO RECEIVED TWO PART PRIME AND TWO PART TOPCOAT PAINT FINISH

GEOTECHNICAL NOTES:

1. PRESUMPTIVE SOIL PROPERTIES USED: KP OF 3.0 AND SOIL BEARING PRESSURE (ULS) OF 1000 KPA, SOIL UNIT WEIGHT OF 21.0 KNM³
2. DRAIN OR PUMP ALL WATER FROM HOLE PRIOR TO CONCRETE PLACEMENT
3. CONTACT GEOTECHNICAL ENGINEER TO REVIEW DESIGN ASSUMPTION IF ANY SUDDEN GRADE CHANGES WITHIN 15' PROXIMITY TO THE SIGN BASE(S) LOCATION

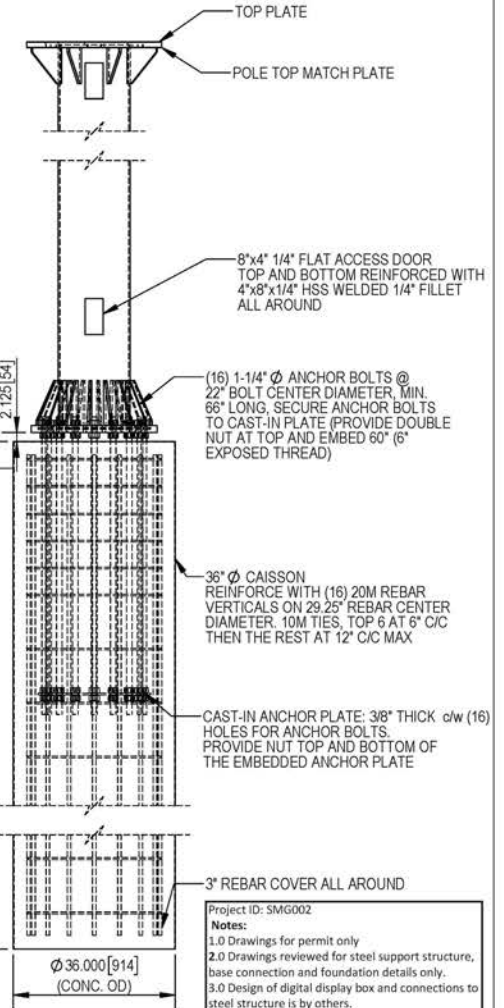
CONCRETE NOTES:

1. CONCRETE SHALL BE HAVE FOLLOWING MIN PROPERTIES:
f_c=30MPa AT 28 DAYS
w/c RATIO=0.50
AIR=5% TO 8%
AGGREGATE SIZE: 20mm
2. USE VIBRATION TO PLACE ALL CONCRETE DURING PLACEMENT
3. CONCRETE COVER=75mm ALL SIZES FOR PILE
4. COMPLETE ALL WORK IN ACCORDANCE WITH A23.1.2
5. REINFORCING STEEL SHALL CONFORM TO CSA G30.18-09 GRADE 400R FOR GENERAL USE. IF REBAR CAGE IS TO BE WELDED, GRADE 400W MUST BE USED AND WELDED IN ACCORDANCE WITH CSA W186.
6. ALL REBAR SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH RSIO STANDARD OF PRACTICE, 4TH EDITION
7. VERTICAL REBAR TO BE 20M, IF SPLICED ALONG LENGTH MINIMUM OVERLAP OF 30". STIRRUPS TO BE 10M WITH MINIMUM OVERLAP OF 18"
8. CONCRETE TO BE POURED AGAINST UNDISTURBED SOIL. IF BACKFILL IS REQUIRED, IT IS TO BE PLACED IN COMPACTED LAYER TO 95% MODIFIED PROCTOR DENSITY



MIS-BB20.9.5x19-30

SHEET #: 4 OF 8



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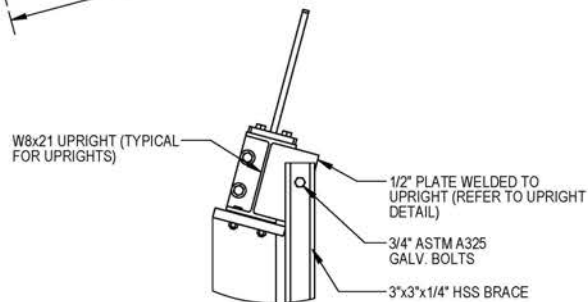
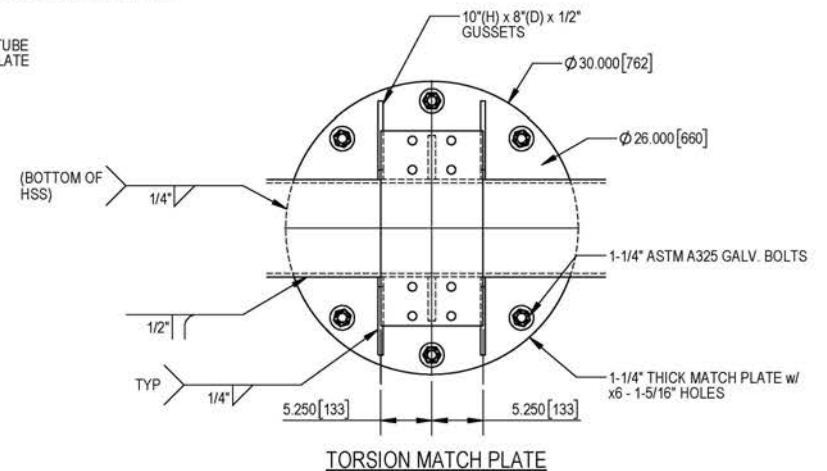
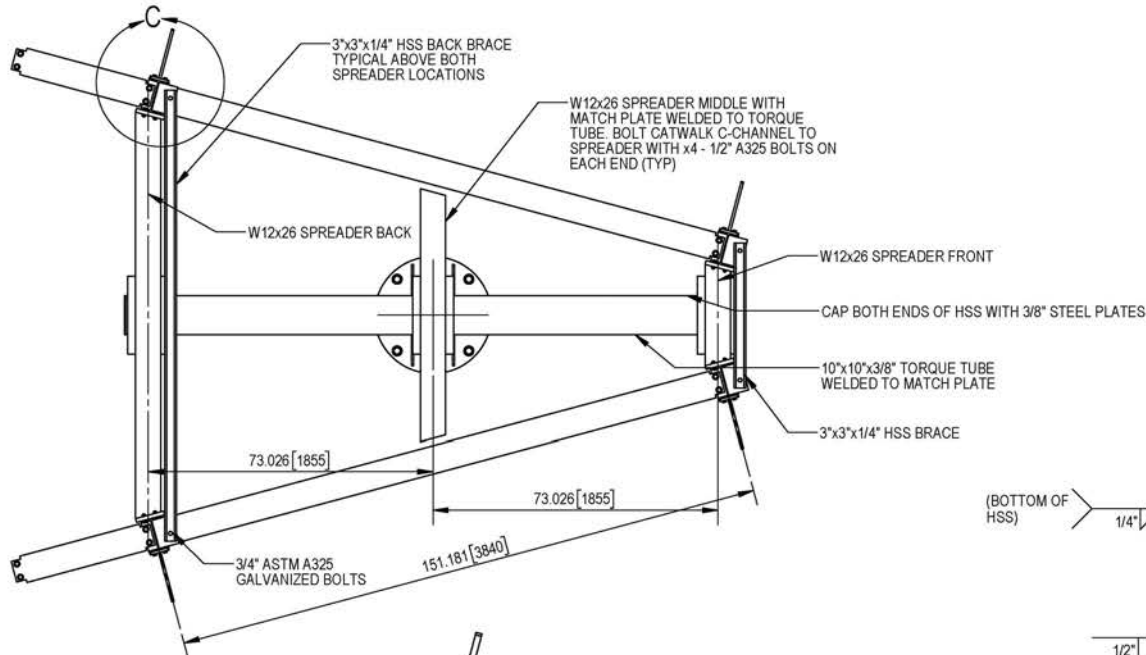
MIS-BB20.9.5x19-30

SHEET #: 5 OF 8

Project ID: SMG002

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DETAIL C
SCALE 1 : 12

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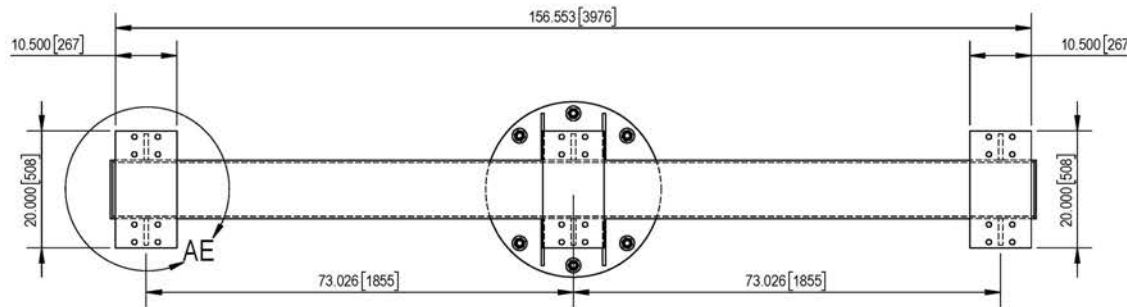
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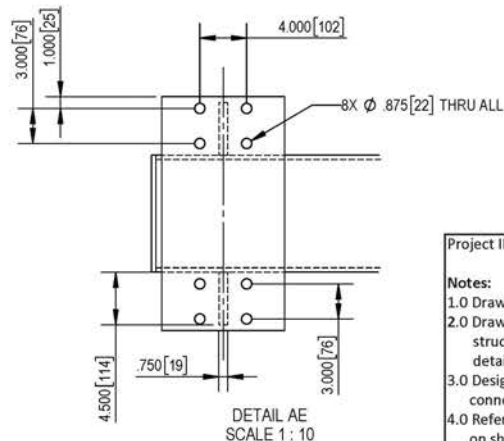
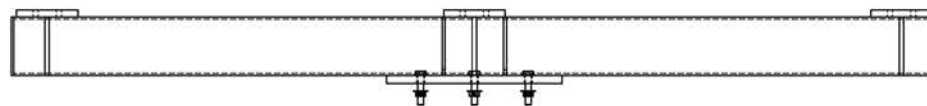
CUT FILE CREATED: N / A

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SHEET #: 6 OF 8



1/2" THICK STIFFENER PLATES
 WELDED ON EACH SIDE BETWEEN
 BOLTS. 1/4" FILLET WELD TYPICAL



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MATCH PLATE WELDED TO TOP
 OF HSS. MIN. 3/8" WELD ALL
 AROUND

MATCH PLATE WELDED TO TOP
 OF HSS. MIN. 3/8" WELD ALL
 AROUND

MATCH PLATE WELDED TO TOP
 OF HSS. MIN. 3/8" WELD ALL
 AROUND

W12x26 SPREADER MIDDLE WITH
 MATCH PLATE WELDED TO TORQUE
 TUBE. BOLT CATWALK C-CHANNEL TO
 SPREADER WITH x4 - 1/2" A325 BOLTS ON
 EACH END (TYP)

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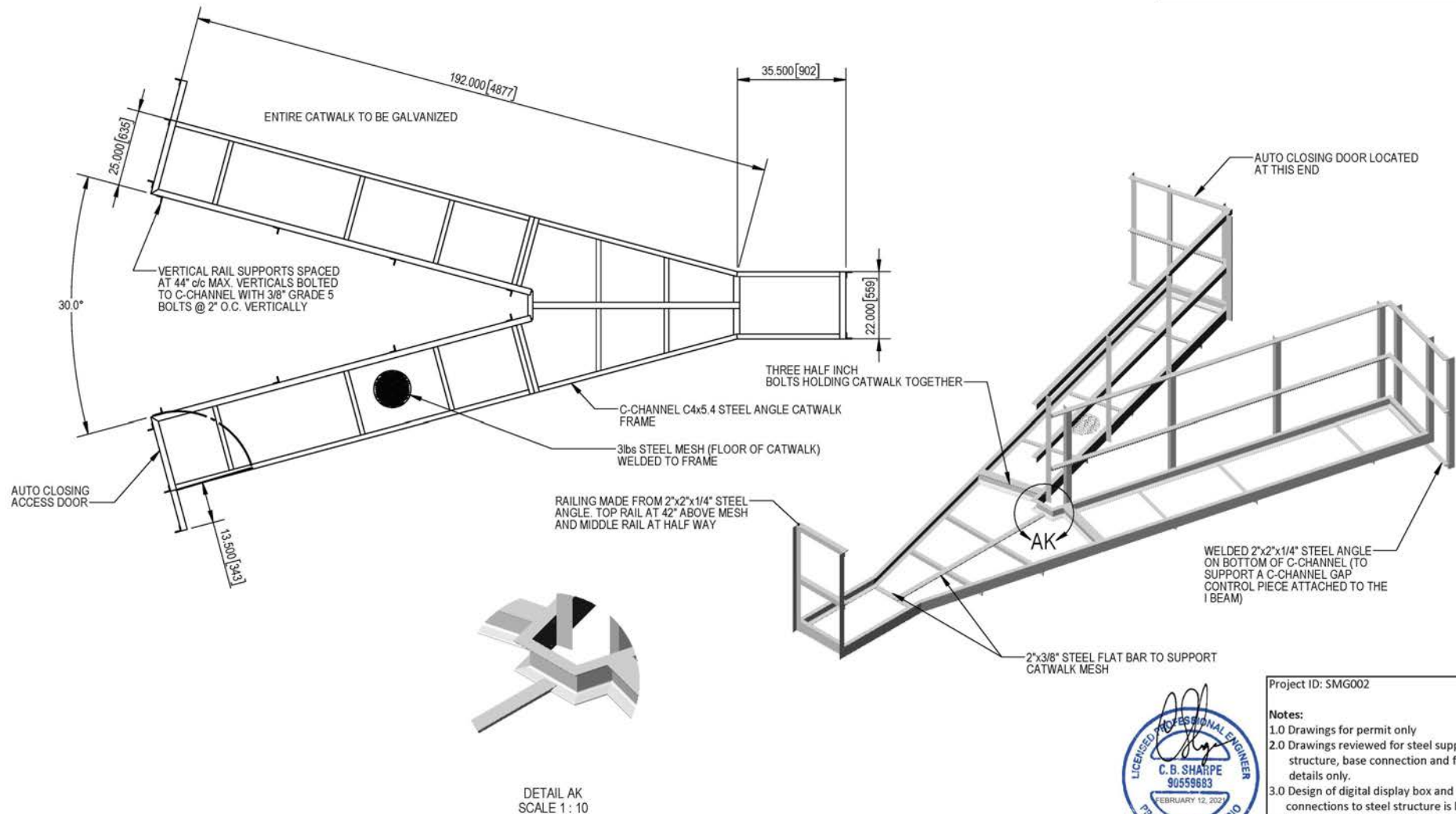
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CUT FILE CREATED: N/A

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SHEET #: 7 OF 8



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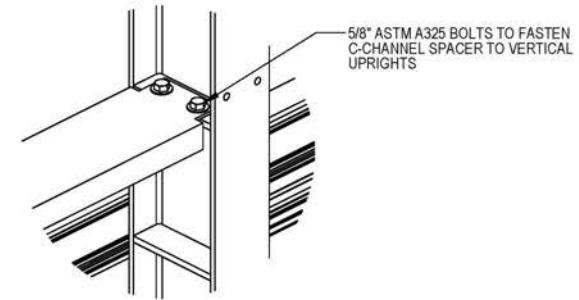
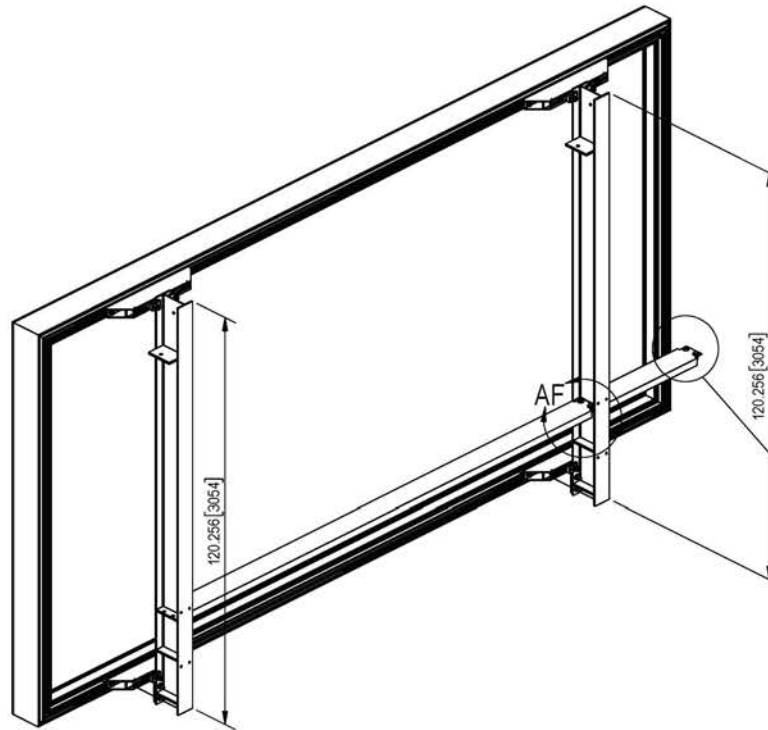
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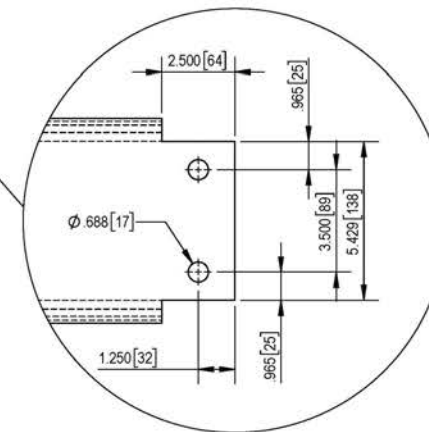
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SHEET #: 8 OF 8



DETAIL AF
 SCALE 1 : 8



DETAIL AJ
 SCALE 1 : 4



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