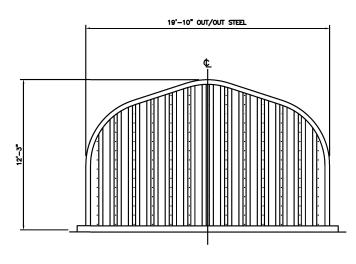
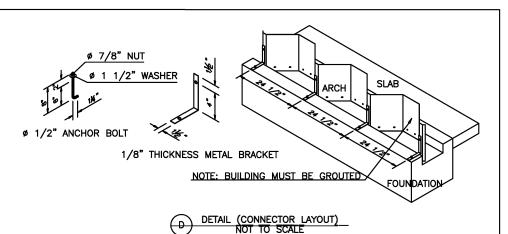
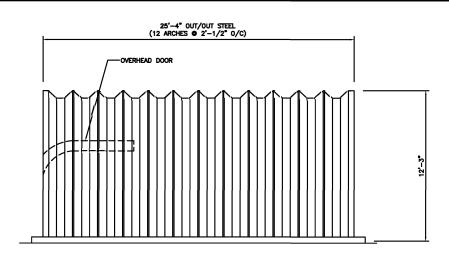


## FRONT ELEVATION

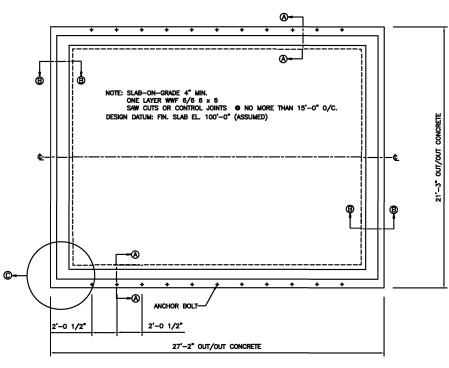


REAR\_ELEVATION

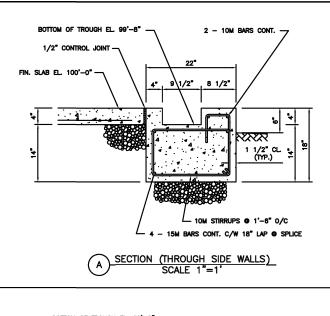


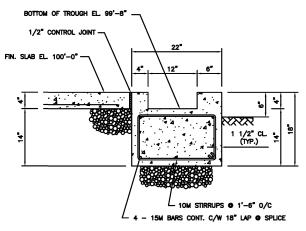


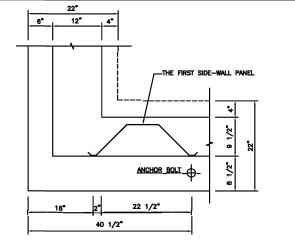
## SIDE ELEVATION



FOUNDATION\_PLAN







B SECTION (THROUGH END WALLS)
SCALE 1"=1'

C DETAIL (CONNECTOR LAYOUT)
SCALE 1"=1"

## **GENERAL NOTES**

\*\*ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST REVISION OF THE NATIONAL BUILDING CODE OF CANADA 2015
THE ONTARIO BUILDING CODE 2012 AND THE CSA-S138-12.

\*\*THE FOUNDATION SHOWN IS A SUGGESTED DESIGN FOR GENERAL GUIDANCE ONLY. CHANGES MAY BE REQUIRED DUE TO LOCAL
BUILDING REGULATIONS, SOIL CONDITIONS OR OTHER FACTORS OVER WHICH PIONEER STEEL HAS NO CONTROL.

\*\*THE FOUNDATION SHALL BE CONSTRUCTED ON NATURAL UNDISTURBED SOIL CAPABLE OF SUSTAINING 100 kPa, AND SHALL BE
DESIGNED TO FULLY RESIST ROTATION AT THE BASE OF THE ARCH

\*\*SLAB-ON-GRADE SHALL BE PLACED ON WELL-COMPACTED FILL CAPABLE OF SUSTAINING 100 kPa, WITHOUT SETTLEMENT.

\*FOR PROPER CONNECTION OF THE BUILDING AT THE FOUNDATION, BUILDING MUST BE ANCHORED TO TROUGH WITH ANGLE
BRACKETS. SUBSEQUENTLY, GROUT MUST BE POURED INSIDE AND OUTSIDE THE ARCH PANEL AND AROUND THE BRACKET FORMING
A SLOPE APPROXIMATELY 20 DEGREES FROM THE GROUND BEAM AND REACHING A HEIGHT OF APPROXIMATELY 8 1/2\* AGAINST THE
ARCH PARLE. THIS WILL CONTROL THE ROTATIONAL MOMENT.

A SLOPE APPROXIMATELY 20 DEGREES FROM THE GROUND BEAM AND REACHING A HEIGHT OF APPROXIMATELY 6 1/2" AGAINST THE ARCH PANEL THIS WILL CONTROL THE ROTATIONAL MOMENT.

\*SPECIFIC NOTES AND DETAILS SHOWN ON THIS DRAWING SHALL TAKE PRECEDENCE OVER THE BUILDING ERECTION MANUAL SUPPLIEI

\*STRUCTURAL DESIGN OF THE BUILDING IS BASED ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS. FAILURE TO MAKE ADEQUATE PROVISION FOR EXCESSIVE STRESSES OR INSTABILITY OCCURING FROM WHATEVER CAUSE DURING CONSTRUCTION SHALL BE THE SOLE RISK AND RESPONSIBILITY OF THE ERECTOR.

\*ALL DIMENSIONS (OTHER THAN PURELY STRUCTURAL DIMENSIONS) SHOWN ON THIS DRAWING SHALL BE VERIFIED BY THE ERECTOR BEFORE PROCEDING WITH THE WORK.

\*IT IS THE OWNER'S RESPONSIBILITY TO ASCERTAIN THAT THE LOADS AND FACTORS SPECIFIED UNDER "DESIGN NOTES" ARE ADEQUATE FOR THE INTENDED LOCATION AND OCCUPANCY OF THIS BUILDING, AND THAT NO LOADS OTHER THAN THOSE SHALL BE IMPOSE ON THE STRUCTURE.

**MATERIAL NOTES** GALVALUME SHEET STEEL, STRUCTURAL QUALITY, ASTM A792 GRADE 50, 50 KSI, MIN.YIELD, 65 KSI, MIN. TENSILE. METAL THICKNESS OF SIDE WALL AND BEVE PANELS: 0.030" METAL THICKNESS OF ROOF PANELS: 0.030" A792 GRADE 80, 80 KSI, MIN.YIELD, 82 KSI, MIN. TENSILE. METAL THICKNESS OF END WALLS: 0.030" METAL THICKNESS OF END WALLS: 0.030" 5/16-18 X 3/4", SAE GRADE 2. CONCRETE: 20 MPa AT 28 DAYS CURE. REBAR: DEFORMED BARS, GRADE 60

PROFILE SCALE 3/4"=1' ARCH PROFILE END WALL PROFILE

MPORTANCE FACTOR IMPORTANCE FACTOR SEISMIC DATA
Sa (0.2):
Sa (1.0):
SOIL SITE CLASS:

**REVISIONS** 

**DESIGN NOTES** THE STRUCTURE DESIGNIS BASE ON THE NBCC 2015 AND THE ONTARIO BUILDING CODE 2012:
S: ROOF SNOW LOAD = 1.92 kPa.
Sisos; GROUND SNOW LOAD = 1.9 kPa.
Sisos; RIN LOAD = 0.4 kPa.
Cb: BASIC SNOW LOAD FACTOR = 0.8
Cw: WIND EXPOSURE FACTOR = 1.0 (LOAD CASE II - UNEXPOSED LICE ACCURATION OF AS IN 4.18.2(5), (6), (7)
Ca: ACCURULATION FACTOR AS IN 4.18.2(8)
q: HOURLY WIND PRESSURE 1/50 = 0.47 kPa.
BYOPTANCE FACTOR = 1.0 (LOAD RASIN HAPPETANCE AS IN 1.0 (LOAD RASIN HAPPE = 0.8 = 1.0 (LOAD CASE II - UNEXPOSED LOCATION = 0.47 kPa. = 1.0 (NORMAL IMPORTANCE - AS IN 4.1.2.1) = 0.108 = 0.041 D (STIFF SOIL) = 1.3 = 1.4 IE: IMPORTANCE FACTOR FOR EARTHQUAKE = 1.0 (NORMAL IMPORTANCE - AS IN 4.1.2.1) ACCORDING TO NBCC, A MINIMUM DISTANCE OF AT LEAST 5 m SHOULD BE MAINTAINED FROM ANOTHER EXISTING OR FUTURE BUILDING OR FROM THE PROPERTY LINE TO JUSTIFY DISREGARDING DRIFT LOADS

C ZONG

R.N.A. SAWYER

R.N.A. SAWYER

HECKED BY

PROVED BY

NGINEER'S SEAL

PIONEER Canada L4W 1-800-668-5422

PIONEER STEEL MANUFACTURERS Mississauga, Ontario Canada L4W 3P1

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1/1

ECONOSPAN 20'-12'

<sup>-</sup>1/4"=1'-0" **GENERAL ARRANGEMENT**