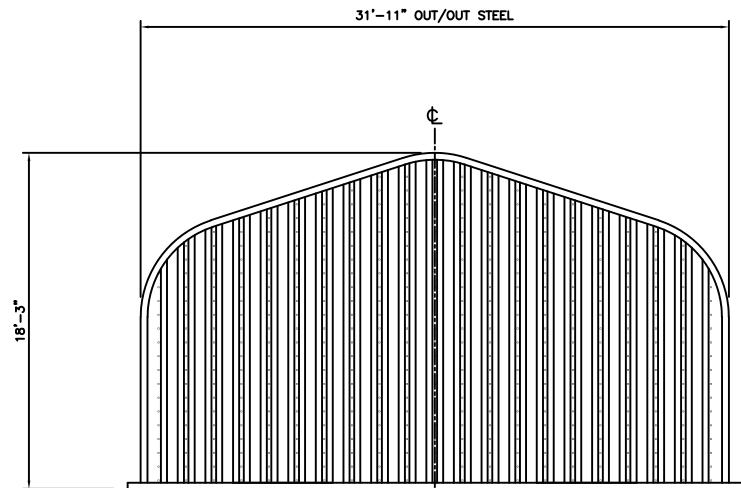
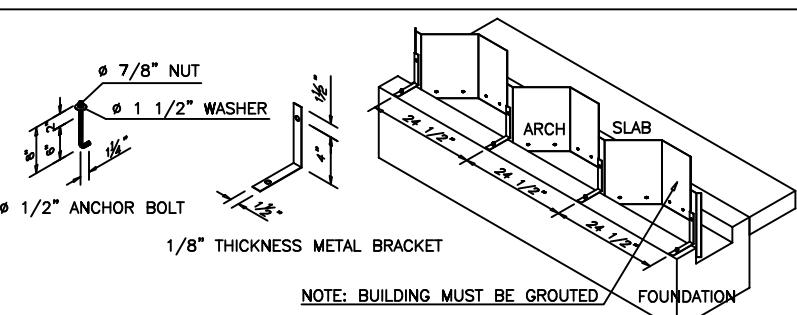


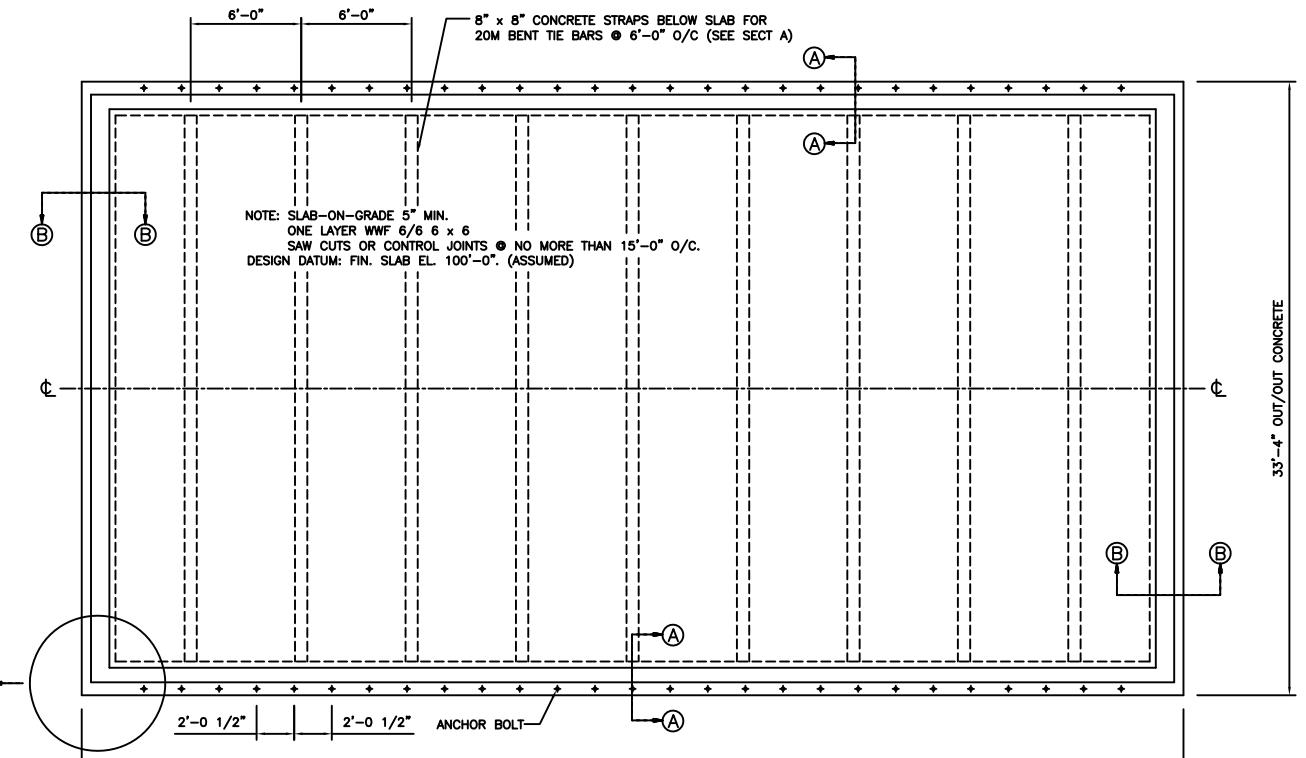
FRONT ELEVATION



REAR ELEVATION



D DETAIL (CONNECTOR LAYOUT)
NOT TO SCALE



FOUNDATION PLAN

GENERAL NOTES

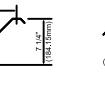
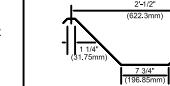
* ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST REVISION OF THE NATIONAL BUILDING CODE OF CANADA 2015 THE ONTARIO BUILDING CODE 2012 AND THE CSA-S136-16.
* THE FOUNDATION SHOWN IS A SUGGESTED DESIGN FOR GENERAL GUIDANCE ONLY. CHANGES MAY BE REQUIRED DUE TO LOCAL BUILDING REGULATIONS, SOIL 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.
* 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 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 SUPPLIED.
* 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 OCCURRING 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 PROCEEDING 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 IMPOSED ON THE STRUCTURE.

MATERIAL NOTES

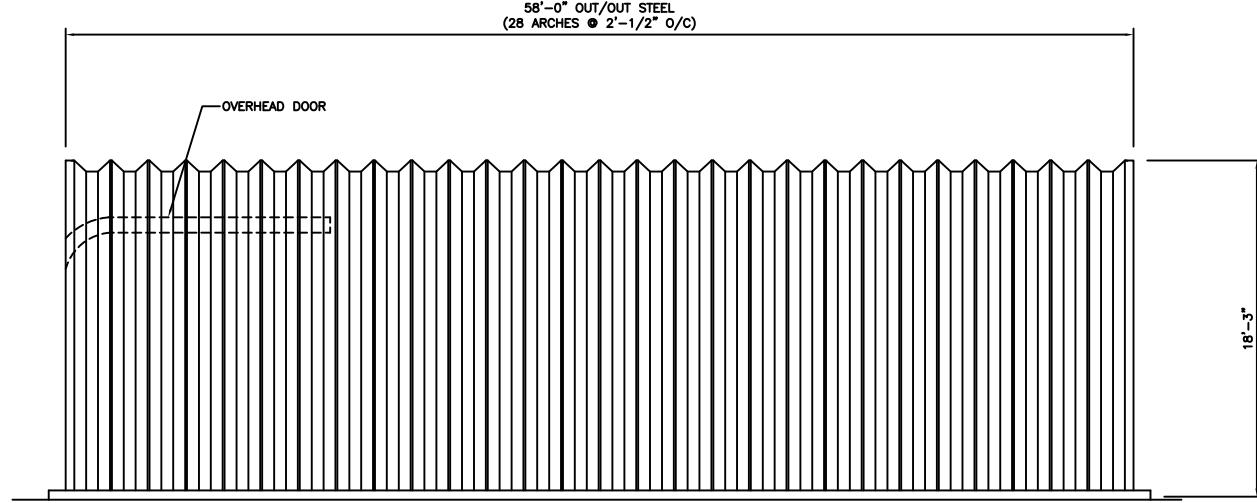
| REVISIONS | | | | | DESIGN NOTES | | DRAWN BY |
|-----------|------|-------------|----|-------|--|--|------------------------------|
| NO. | DATE | DESCRIPTION | BY | APPR. | C. ZONG | | |
| | | | | | THE STRUCTURE DESIGN IS BASED ON THE NBCC 2015 AND THE ONTARIO BUILDING CODE 2012: S : ROOF SNOW LOAD = 1.0 kPa. Ss(50) : GROUND SNOW LOAD = 1.0 kPa. Ss(10) : ROOF SNOW LOAD = 0.4 kPa. Cb : BASIC SNOW LOAD FACTOR = 0.8. Cw : WIND EXPOSURE FACTOR = 1.0 (LOAD CASE II - UNEXPOSED LOCATION) Ca : SLOPE FACTOR AS IN 4.1.6.2(5), (6), (7) = 0.43 kPa. Ca : ACCUMULATION FACTOR AS IN 4.1.6.2(8) = 0.8 (LOW IMPORTANCE - AS IN 4.1.2.1) Importance Factor = 0.112 Seismic Data Sa (0.2) = 0.112 Sa (1.0) = 0.039 Soil Site Class : D (STIFF SOIL) Fa : = 1.3 Fv : = 1.4 Ie : IMPORTANCE FACTOR FOR EARTHQUAKE = 0.8 (LOW IMPORTANCE - AS IN 4.1.2.1) Note: 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. | | |
| | | | | | | | CHECKED BY R.N.A. SAWYER |
| | | | | | | | APPROVED BY R.N.A. SAWYER |
| | | | | | | | ENGINEER'S SEAL |

PROFILE

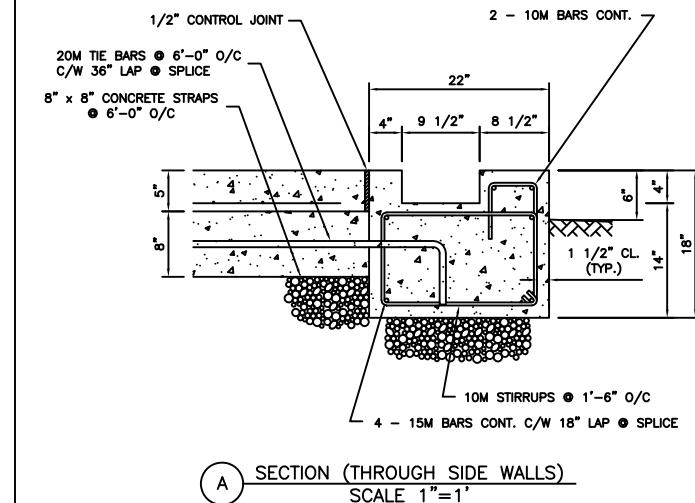
SCALE 3/4"=1"



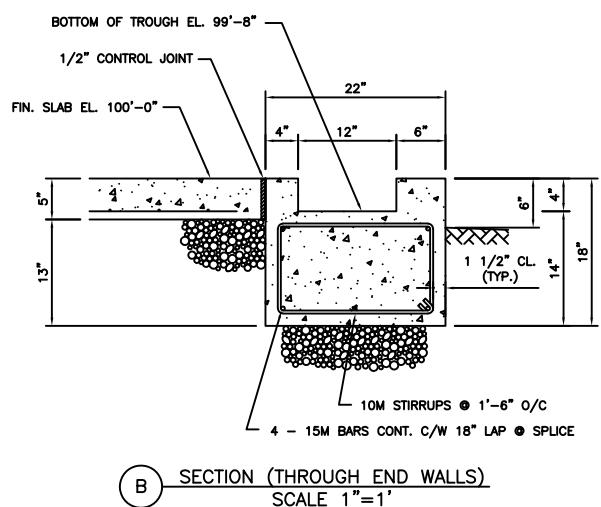
END WALL PROFILE



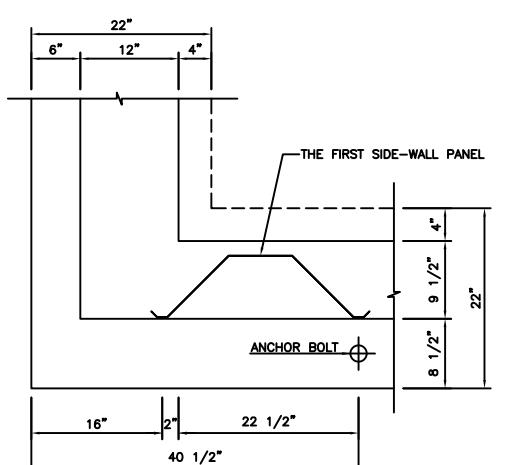
SIDE ELEVATION



A SECTION (THROUGH SIDE WALLS)
SCALE 1"=1"



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



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



PIONEER STEEL
MANUFACTURERS
LIMITED

1045 Matheson Blvd. East
Mississauga, Ontario
Canada L4W 3P1
1-800-668-5422

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BERNHARD FRIESEN

24413 CALEDONIA RD
CHATHAM, ON N7M 5J2

115 - 686

DWG. NO.

115 - 686

DWG. TITLE

GENERAL ARRANGEMENT

BUILDING MODEL
ECONOSPAN 32'-18'

ORDER NO.
115 - 686

DWG. NO.
115 - 686

SCALE
3/16"=1'-0"

DATE
MARCH 06, 2020

1 / 1