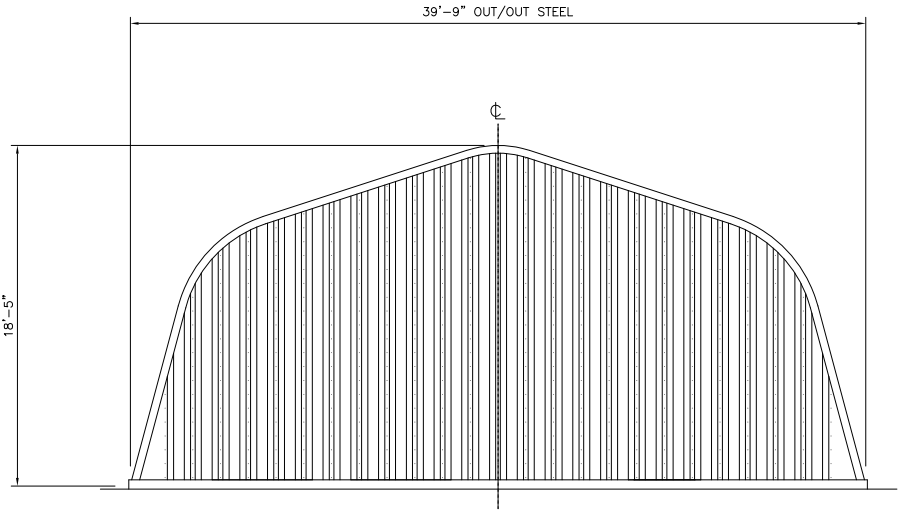
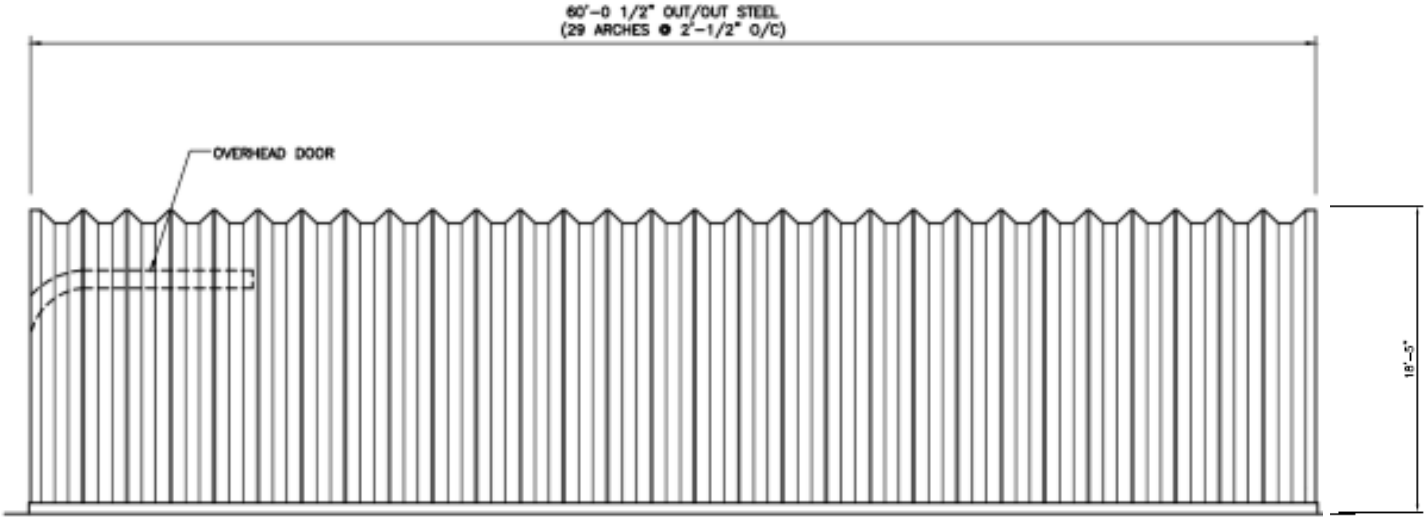


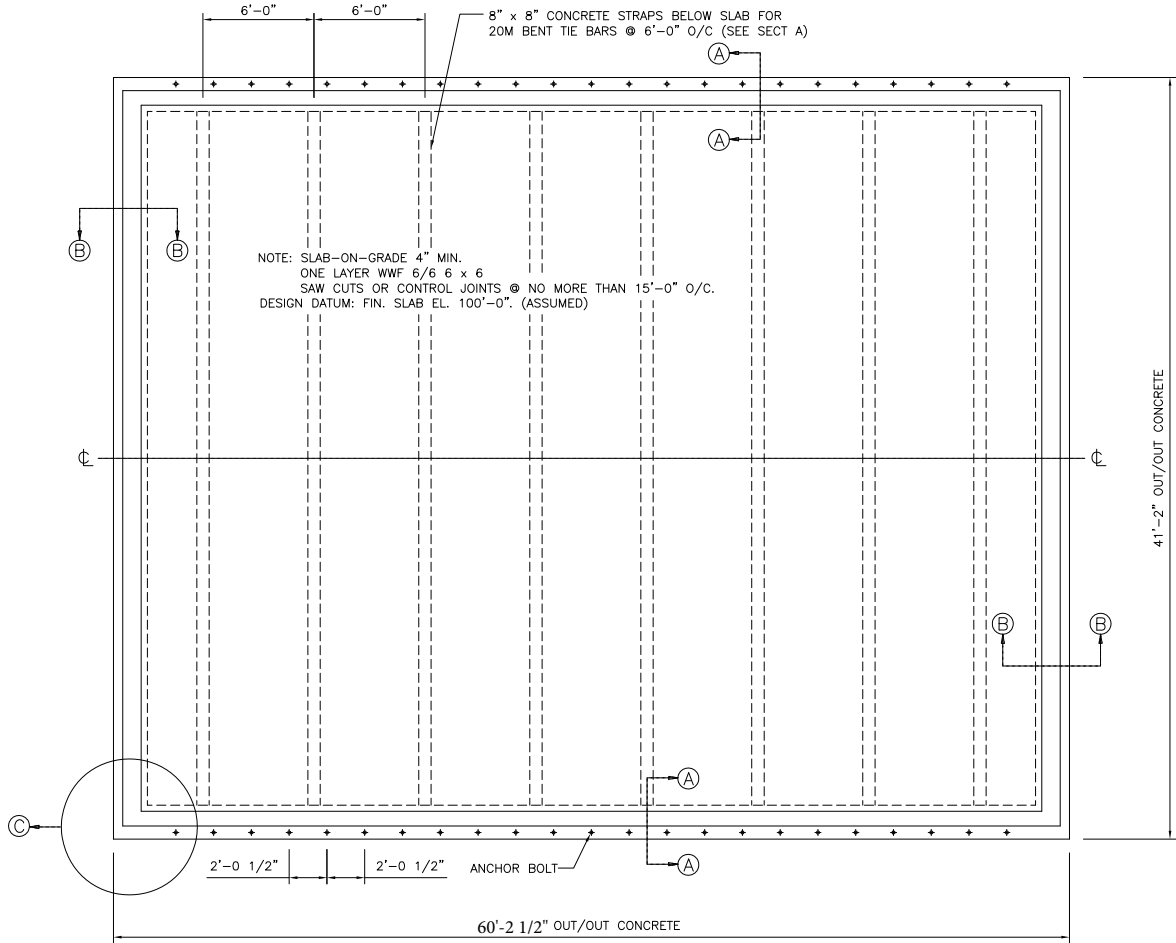
FRONT ELEVATION



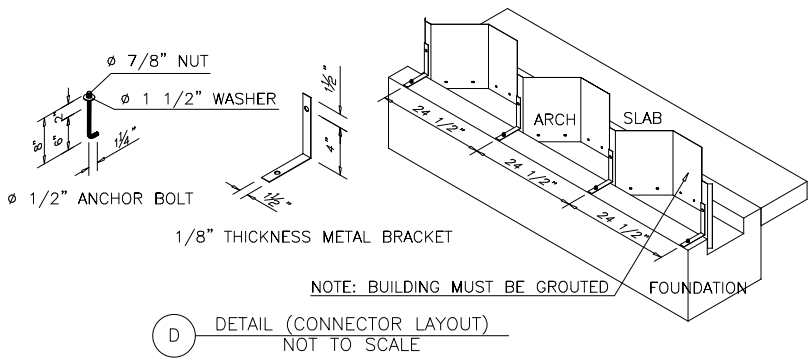
REAR ELEVATION



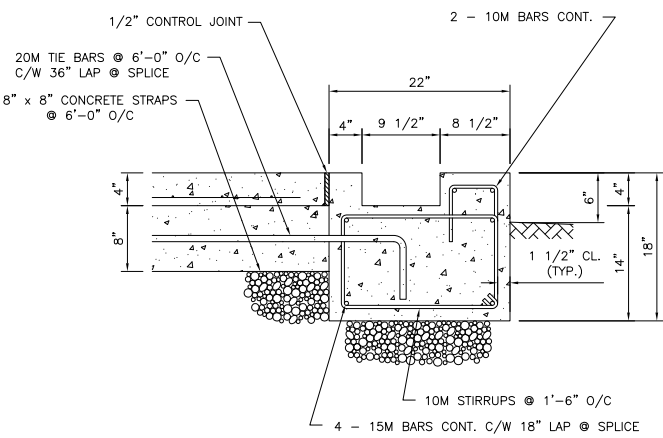
SIDE ELEVATION



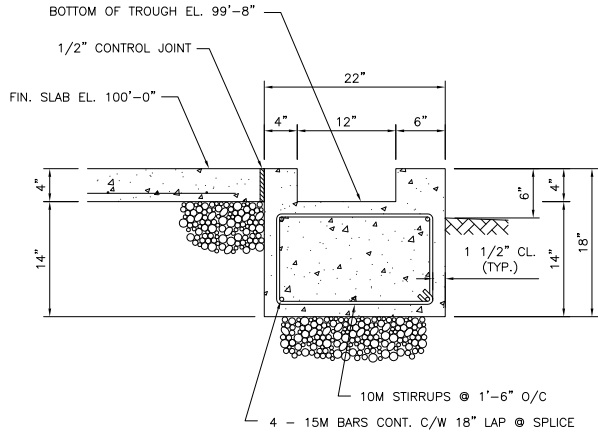
FOUNDATION PLAN



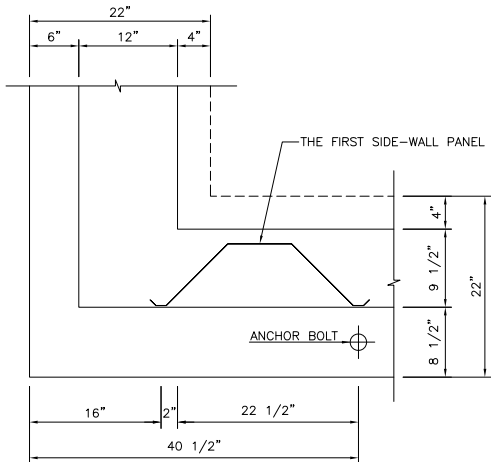
D DETAIL (CONNECTOR LAYOUT)
NOT TO SCALE



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



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 NBC-2019 ALBERTA EDITION 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.
* 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 IMPOSE ON THE STRUCTURE.

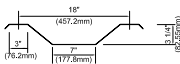
MATERIAL NOTES

STEEL: GALVALUME SHEET STEEL, STRUCTURAL QUALITY, ASTM A792
SIDE AND EAVE PANELS: GRADE 50, 50 KSL MIN. YIELD, 65 KSL MIN. TENSILE, MIN. THKS. WITH COATING 0.038"/AVG. THKS. WITH COATING 0.040".
ROOF PANELS: GRADE 50, 50 KSL MIN. YIELD, 65 KSL MIN. TENSILE, MIN. THKS. WITH COATING 0.038"/AVG. THKS. WITH COATING 0.040".
END WALLS: GRADE 80, 80 KSL MIN. YIELD, 82 KSL MIN. TENSILE, MIN. THKS. WITH COATING 0.030"/AVG. THKS. WITH COATING 0.032".
BOLTS: 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

REVISIONS

NO.	DATE	DESCRIPTION	BY	APPR.

DESIGN NOTES

THE STRUCTURE DESIGN IS BASE ON THE NBCC 2015 AND THE NBC-2019 ALBERTA EDITION:
S : ROOF SNOW LOAD = 1.23 kPa.
S_{g60} : GROUND SNOW LOAD = 1.8 kPa.
S_{r60} : RAIN LOAD = 0.1 kPa.
C_b : BASIC SNOW LOAD FACTOR = 0.8
C_w : WIND EXPOSURE FACTOR = 1.0 (LOAD CASE II - UNEXPOSED LOCATION)
C_s : SLOPE FACTOR AS IN 4.1.6.2(5), (6), (7)
C_a : ACCUMULATION FACTOR AS IN 4.1.6.2(8)
q : HOURLY WIND PRESSURE 1/50
IMPORTANCE FACTOR
SEISMIC DATA
S_a (0.2) : = 0.41 kPa.
S_a (1.0) : = 0.8 (LOW IMPORTANCE - AS IN 4.1.2.1)
SOIL SITE CLASS :
F_h : = 0.100
F_v : = 0.030
I_e : IMPORTANCE FACTOR FOR EARTHQUAKE = D (STIFF SOIL)
NOTE: = 1.3
= 1.4
= 0.8 (LOW 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.

DRAWN BY
C. ZONG
CHECKED BY
BAO NGO, P. ENG
APPROVED BY
BAO NGO, P. ENG
ENGINEER'S SEAL



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NAME	BUILDING MODEL ALPINE 40'-18'
DWG. NO.	ORDER NO.
SCALE 3/16"=1'-0"	SHEET 1 / 1
DATE AUG 22, 2024	

GENERAL ARRANGEMENT