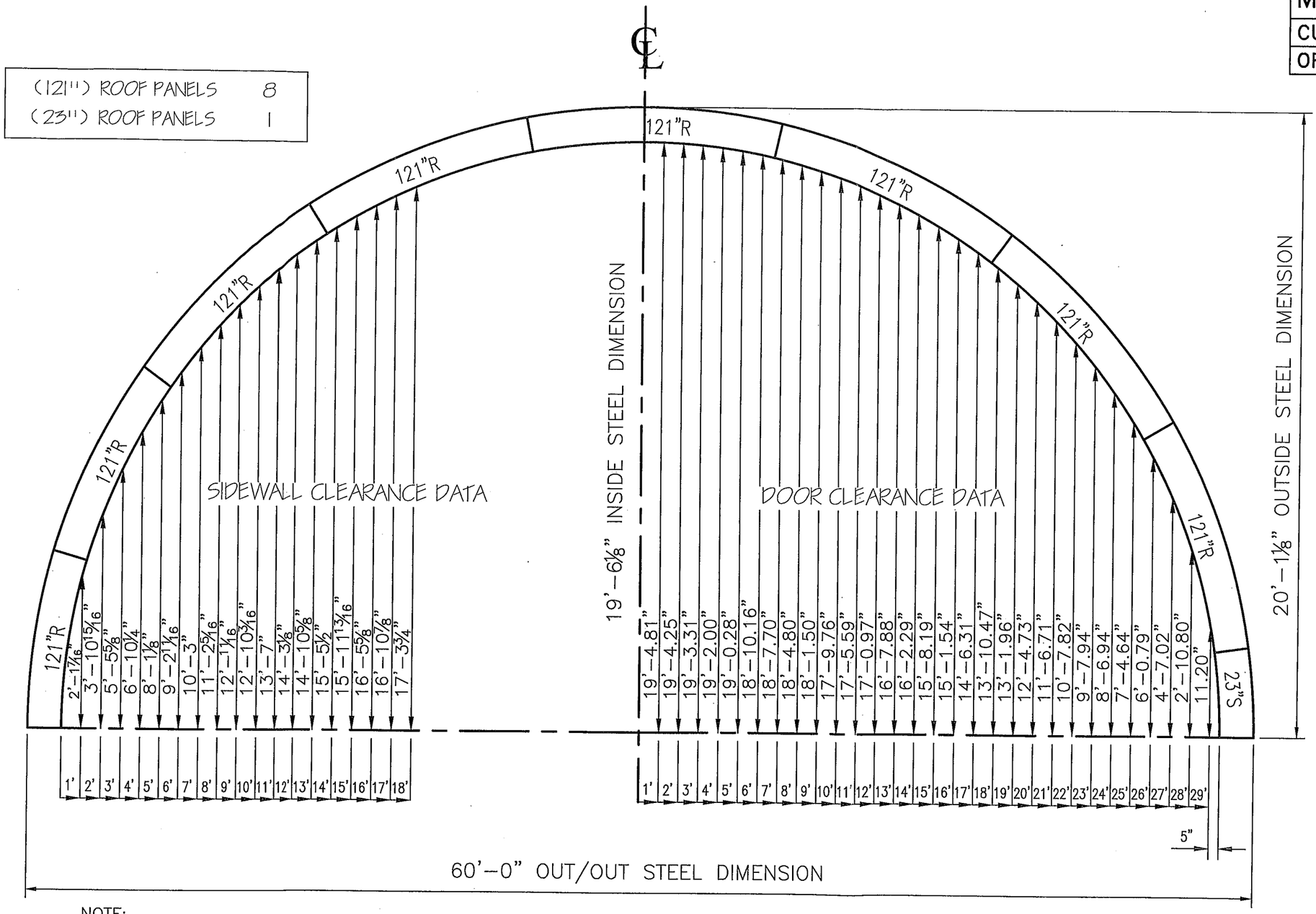
(121") ROOF PANELS	8
(23") ROOF PANELS	1



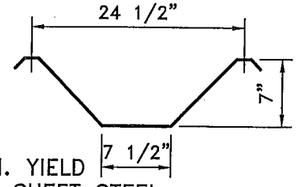
NOTE:
THE SHORT PANELS MUST BE ALTERNATED FROM SIDE TO SIDE ON SUCCESSIVE ARCHES, TO CREATE A STAGGERED JOINT FOR GREATER STRENGTH.

MODEL:	Q60-20
CUST. NAME:	BELLISARIO EXCAV B/C
ORDER NUMBER:	106397

GENERAL NOTES:

1. NO LOADS OTHER THAN THOSE GIVEN UNDER "DESIGN DATA" BELOW BE IMPOSED ON THE "STRUCTURE"
2. THE FOUNDATION ON THE DRAWING IS A SUGGESTED SOLUTION ONLY. CHANGES MAY BE NECESSARY DUE TO LOCAL BUILDING REGULATIONS.
3. THE FOUNDATION SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL CAPABLE OF SAFELY SUSTAINING 1500 PSF. AND AT LEAST 12 IN. BELOW FINISHED GRADE.
4. SLAB ON GRADE SHALL BE PLACED ON SOIL CAPABLE OF SUSTAINING 500 PSF. WITHOUT APPROPRIATE SETTLEMENT.
5. BUILDING MUST BE GROUTED INTO TROUGH, INSIDE AND OUT TO MAINTAIN STRUCTURAL INTERGRITY EXCEPT WHEN USING BASE PLATE CONNECTORS.
6. CROSS TIES MUST BE INCASED IN CONCRETE WHEN CONCRETE SLAB IS NOT USED

ARCH DATA:



DESIGN DATA:

STEEL GAGE: 20
50 KSI MIN. YIELD
GALVALUME SHEET STEEL
LIVE LOAD: 27 PSF
ULTIMATE WIND SPEED: 116 MPH

MATERIALS:

1. CONCRETE STRENGTH AT 28 DAYS TO BE 2500 PSI
2. REINFORCING STEEL TO BE DEFORMED BARS. GRADE 60
3. ALL MATERIALS SHALL CONFORM TO THE APPROPRIATE ASTM SPECIFICATIONS.

AZTEC STEEL BUILDINGS, INC. • PRODUCTS MFG. APPROVED

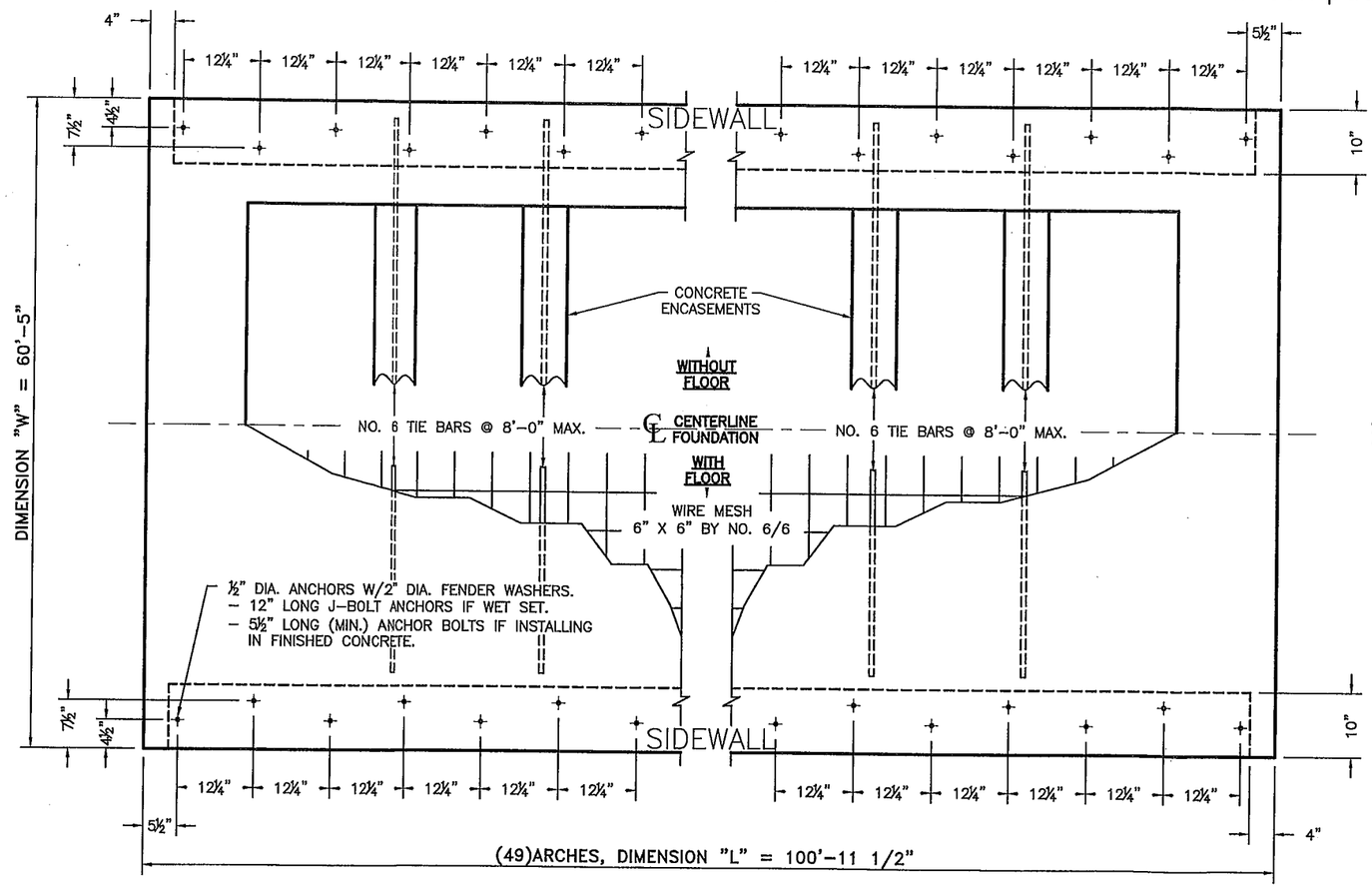
ARCH PROFILE

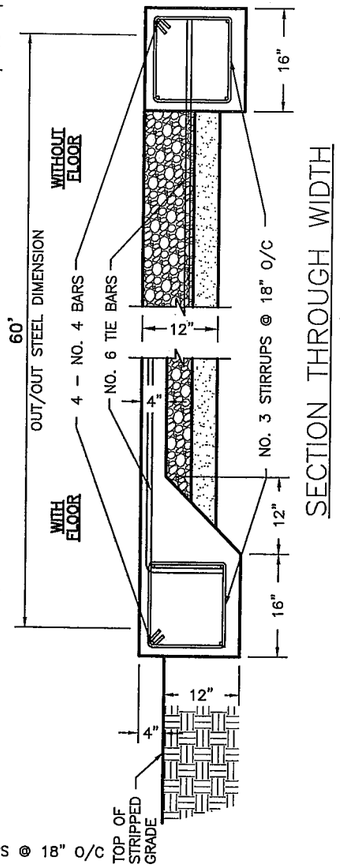
ARCHES ONLY
(NO ENDWALLS)

SCALE: NTS | SHEET: 1 OF 5

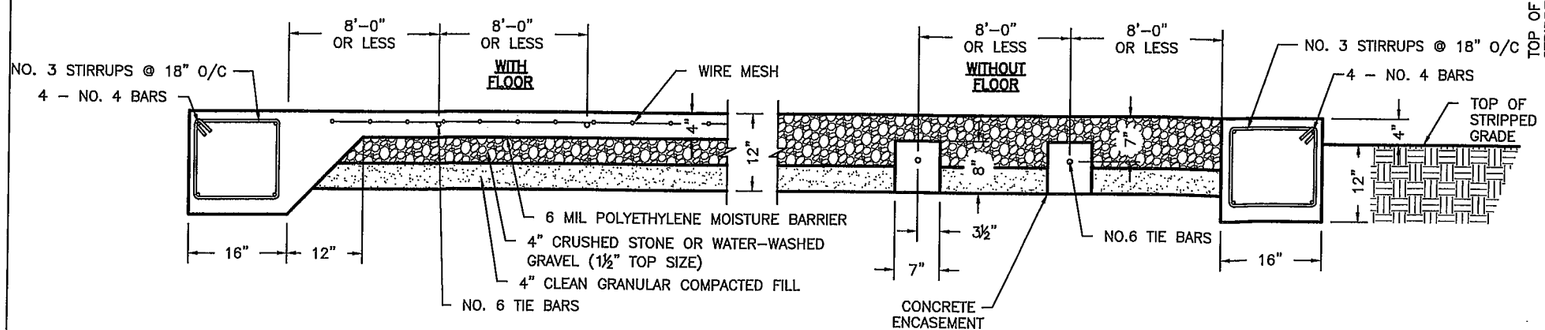
ATTENTION:
The foundation shown may not conform to your local by–laws and has no warranty as to its sufficiency for your particular area and or application. Retain a registered professional engineer to design a foundation which meets local by–laws and frost level depth requirements (if applicable), is adequate for soil conditions on the site, and conforms to the intended use of the building. The engineer should also be retained to inspect construction to ensure that the foundation is being built in conformity with his design. If the design engineer requires, retain a soils engineering specialist to report on soil conditions and soil compaction values.

MODEL:	Q60–20
CUST. NAME:	BELLISARIO EXCAV B/C
ORDER NUMBER:	106397





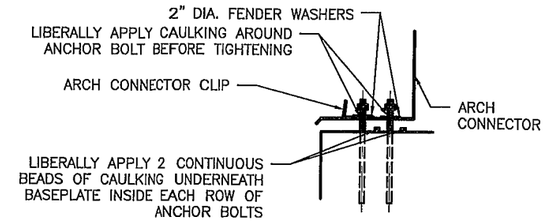
SECTION THROUGH WIDTH



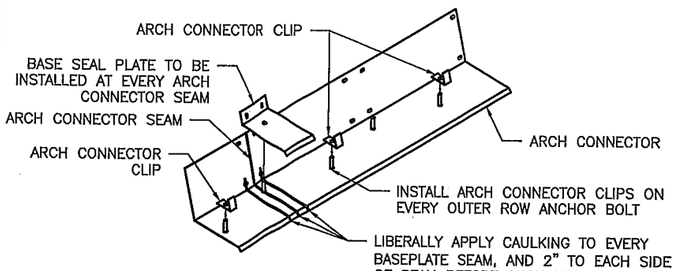
SECTION THROUGH LENGTH

FOUNDATION – 2500 PSI STRENGTH

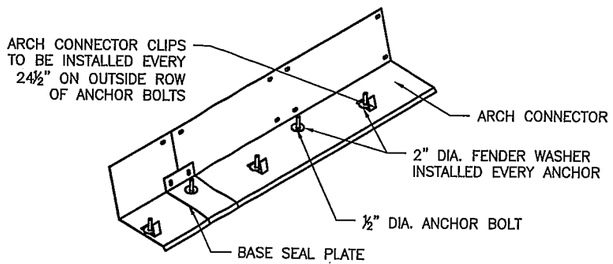
SEE SHEET 5 FOR ARCH CONNECTOR BASEPLATE LAYOUT



CAULKING UNDER ARCH CONNECTORS AND ANCHOR BOLT HOLES



INSTALLING BASE SEAL PLATES AND ARCH CONNECTOR CLIPS



COMMERCIAL ARCH CONNECTOR ASSEMBLED AND READY FOR ARCHES

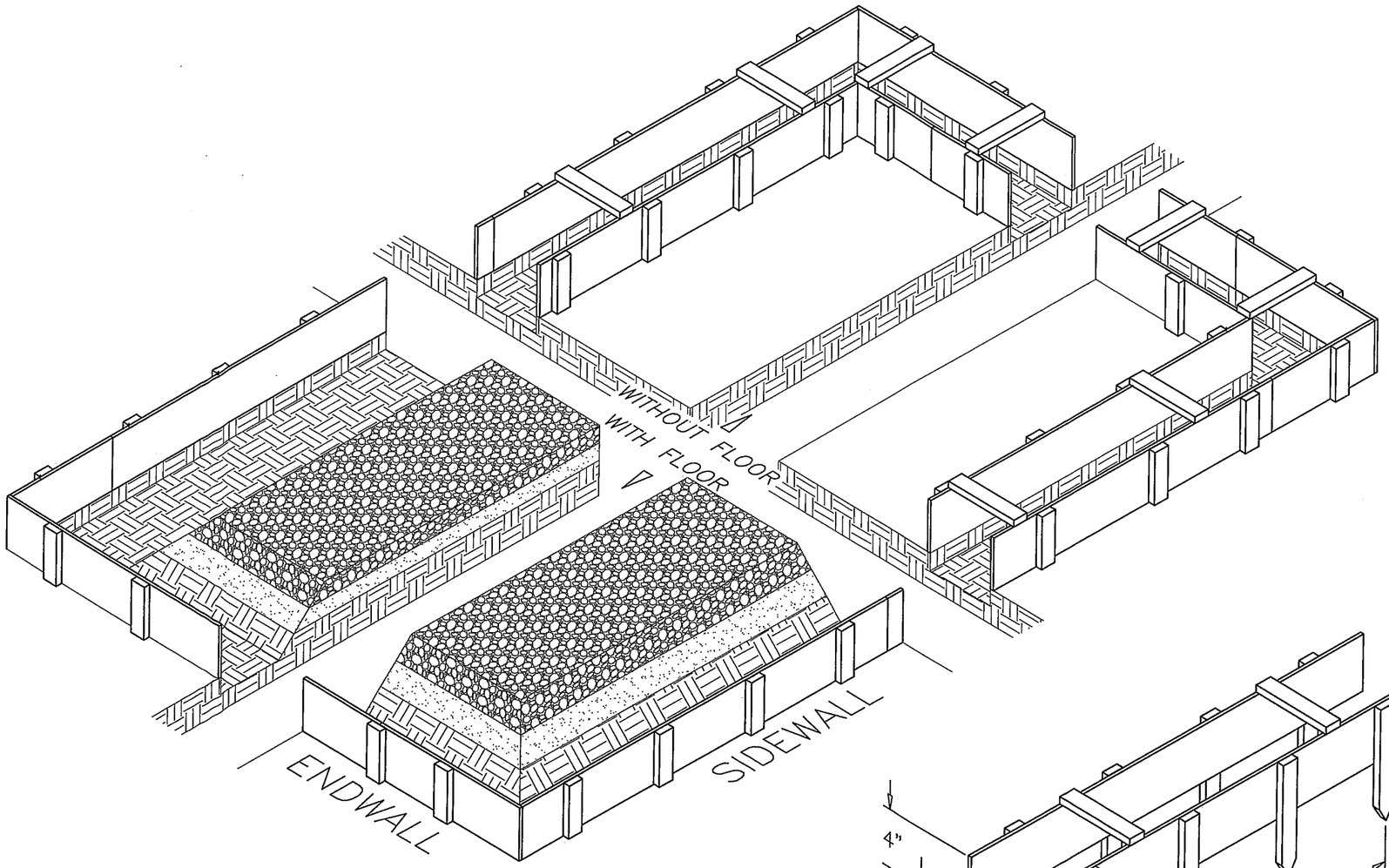
COMMERCIAL BASE CONNECTOR GENERAL ARRANGEMENT

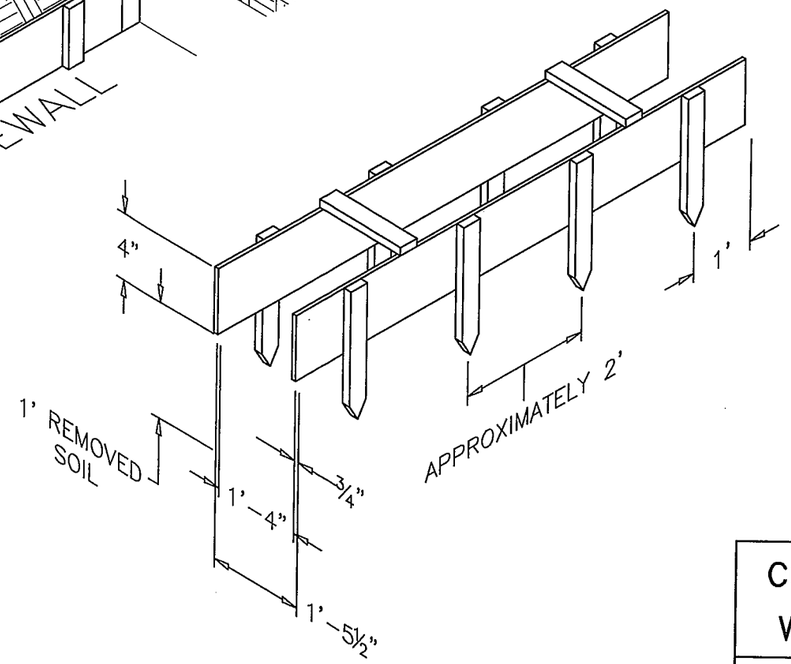
ARCHES ONLY
(NO ENDWALLS)

SCALE: NTS

SHEET: 2 OF 5

MODEL:	Q60-20
CUST. NAME:	BELLISARIO EXCAV B/C
ORDER NUMBER:	106397



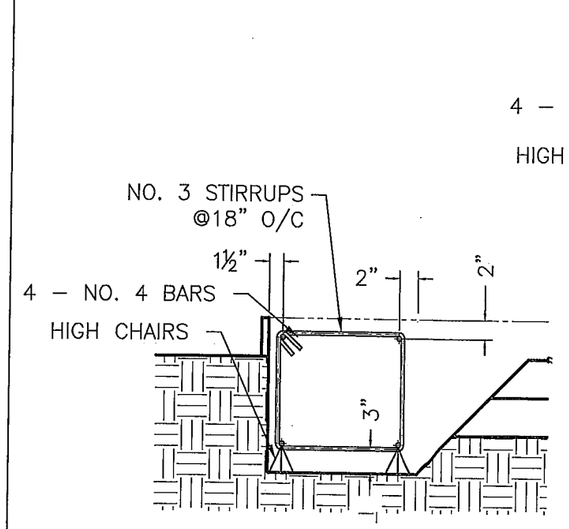


WITHOUT FLOOR FORM DETAIL

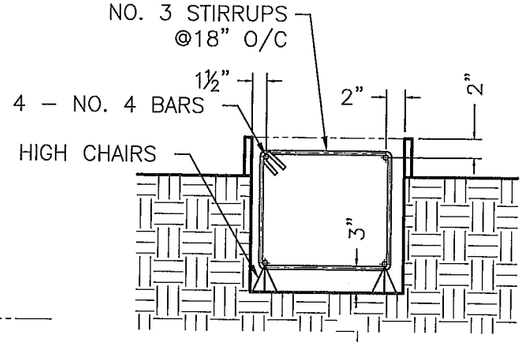
NOTES: REINFORCING STEEL NOT SHOWN. REFER TO SHEET #4.

COMMERCIAL BASE CONNECTOR WOODEN FORM ARRANGEMENT	
ARCHES ONLY (NO ENDWALLS)	
SCALE: NTS	SHEET: 3 OF 5

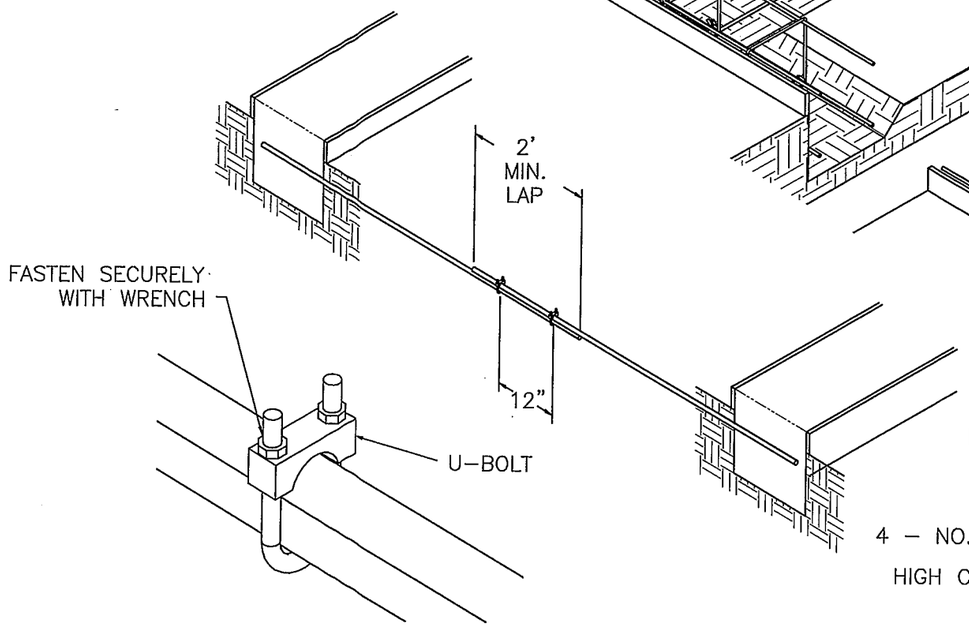
MODEL:	Q60-20
CUST. NAME:	BELLISARIO EXCAV B/C
ORDER NUMBER:	106397



ENDWALL DETAIL
(WITH FLOOR)



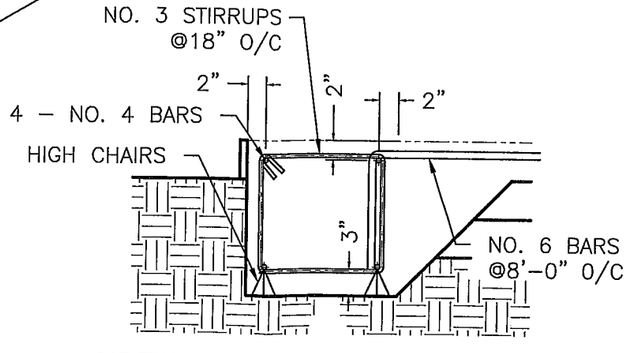
ENDWALL DETAIL
(WITH FLOOR)



NOTE:
USE TWO U–BOLTS PER SPLICE. ENCASE TIE BARS AND U–BOLTS IN CONCRETE AS SHOW ON SHEET 2.

TIE BAR SPLICING DETAIL

SIDEWALL DETAIL (WITHOUT FLOOR)



SIDEWALL DETAIL (WITH FLOOR)

REBAR TABLE		
BAR NO.	DIAMETER	MIN. LAP
NO. 3 (10M)	⅜" (11.3mm)	1'–0"
NO. 4 (15M)	½" (16.0mm)	1'–4"
NO. 6 (20M)	¾" (19.5mm)	2'–0"

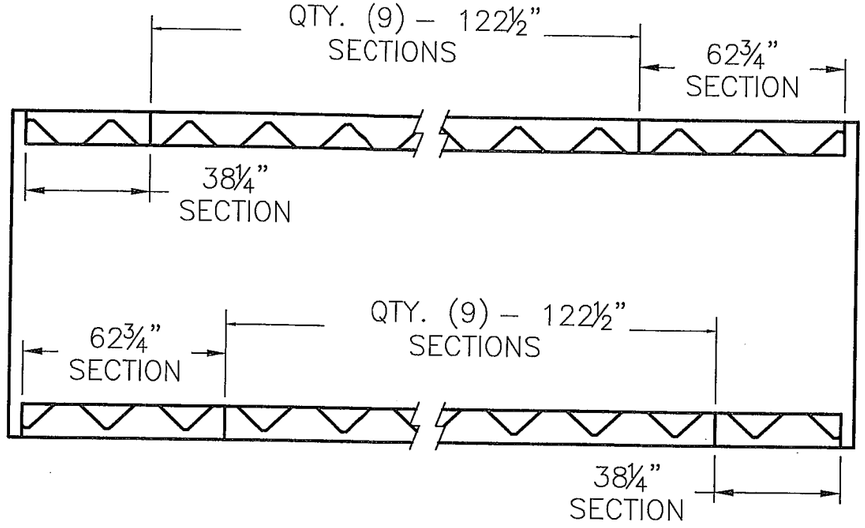
COMMERCIAL BASE CONNECTOR STEEL REINFORCEMENTS

ARCHES ONLY
(NO ENDWALLS)

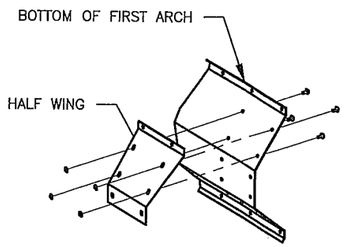
SCALE: NTS

SHEET: 4 OF 5

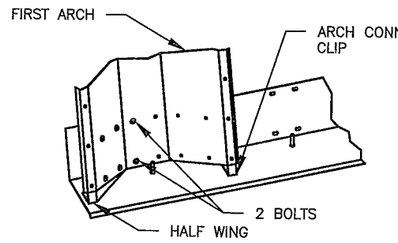
MODEL:	Q60-20
CUST. NAME:	BELLISARIO EXCAV B/C
ORDER NUMBER:	106397



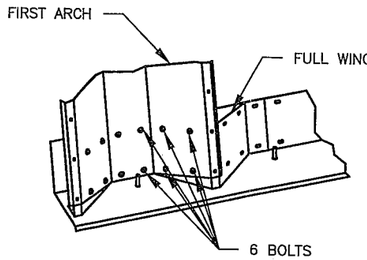
ARCH CONNECTOR BASEPLATE LAYOUT



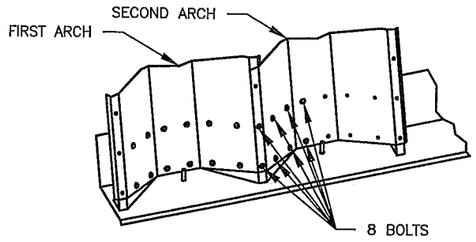
1. ATTACH HALF WING WITH 4 BOLTS TO THE INSIDE BOTTOM OF THE FIRST ARCH



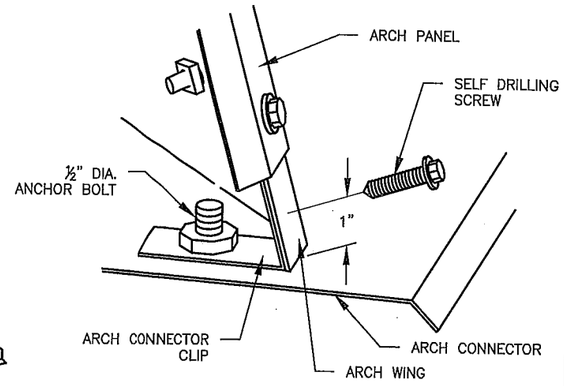
2. STAND THE FIRST ARCH AND ATTACH THE HALF WING AND ARCH ASSEMBLY TO THE ARCH CONNECTOR WITH 2 BOLTS. THE HALF WING SHOULD BE TO THE OUTSIDE OF THE ARCH CONNECTOR CLIP.



3. INSERT FULL WING BEHIND THE FIRST ARCH AND OUTSIDE OF THE ARCH CONNECTOR CLIP AND ATTACH WITH 6 BOLTS.

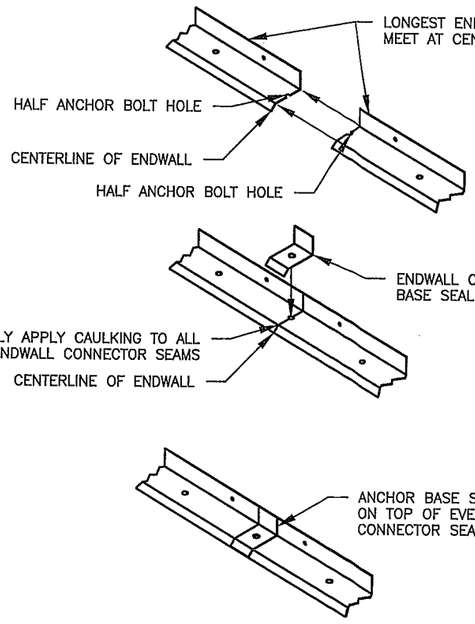


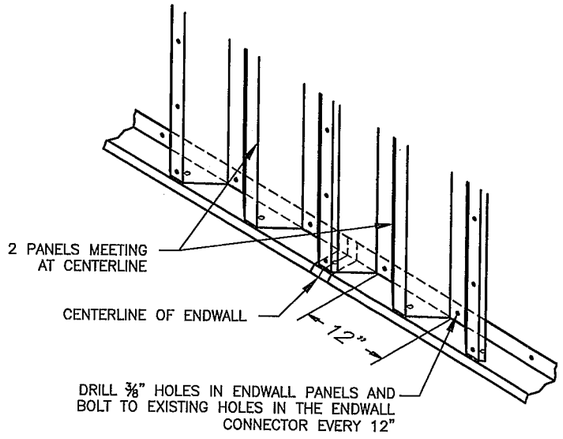
4. STAND THE SECOND ARCH AND ALIGN ON TOP OF FIRST ARCH AND ATTACH WITH 8 BOLTS. REPEAT PROCESS UNTIL THE ENTIRE BUILDING IS ERECTED. AFTER ALL ARCHES ARE ERECTED, SCREW EVERY WING TO AN ARCH CONNECTOR CLIP 1" FROM THE BOTTOM OF THE CLIP AS SHOWN IN THE CLIP WING ASSEMBLY DETAIL.



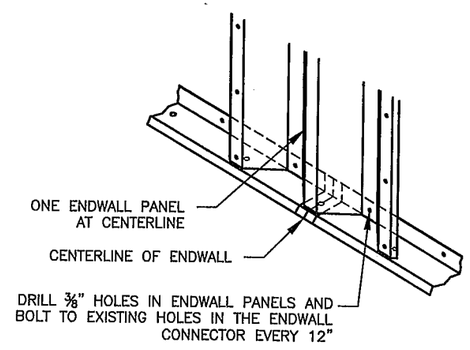
CLIP WING ASSEMBLY DETAIL
CURVED ANGLE NOT SHOWN FOR CLARITY

COMMERCIAL ARCH CONNECTOR ASSEMBLY

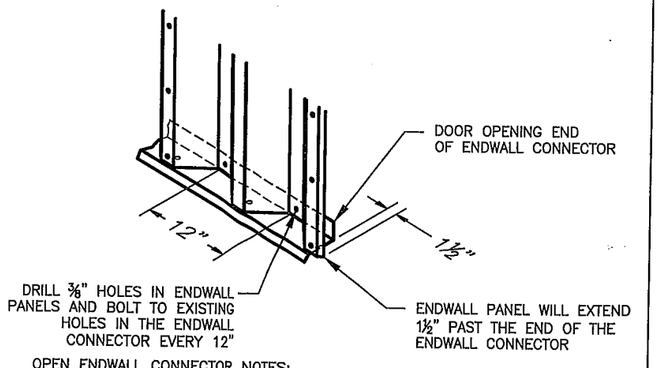




TWO PANELS AT CENTER OF ENDWALL



ONE PANEL AT CENTER OF ENDWALL



OPEN ENDWALL CONNECTOR NOTES:
1. ENDWALLS WITH OPENINGS SHOULD START WITH THE HALF ANCHOR HOLE IN THE ENDWALL CONNECTOR TOWARDS THE DOOR OPENING AS SHOWN ABOVE.
2. THE ANCHOR BOLTS SHOULD CONTINUE AT 12" CENTERS OUTWARD.
3. ATTACH PANELS AT 12" CENTERS TO THE HOLES IN THE ENDWALL CONNECTOR.

OPEN ENDWALL CONNECTOR

INSTALLING SOLID ENDWALL CONNECTORS NOTES:
1. USE ½" DIA. ANCHOR BOLTS X 5½" (OR LONGER) AND 2" DIA. FENDER WASHERS FOR EVERY ENDWALL CONNECTOR ANCHOR BOLT HOLE.
2. CAULKING SHOULD BE APPLIED LIBERALLY UNDER THE ENDWALL CONNECTOR, AROUND EVERY ANCHOR HOLE, AND AT THE ENDWALL CONNECTOR SEAMS UNDER ANY BASE SEAL PLATES.
3. FOR SOLID ENDWALLS, THE COMMERCIAL ENDWALL CONNECTORS SHOULD BE INSTALLED STARTING FROM THE CENTER OF THE ENDWALL. THE LONGEST ENDWALL CONNECTOR SECTIONS WILL MEET AT THE CENTER WITH THE HALF ANCHOR BOLT HOLES MEETING AS SHOWN ABOVE. REMAINING ENDWALL CONNECTOR SECTIONS SHOULD BE ANCHORED SO THAT THE ANCHOR BOLT PATTERN CONTINUES EVERY 12" FOR THE ENTIRE LENGTH OF ENDWALL.

ATTACHING SOLID ENDWALL PANELS TO ENDWALL CONNECTOR NOTES:
1. AFTER ENDWALL CONNECTORS ARE ANCHORED, THE ENDWALL PANELS SHOULD BE ATTACHED TO THE ENDWALL CONNECTORS STARTING AT THE CENTER FIRST AND THEN WORK OUTWARDS.
2. THERE WILL BE EITHER ONE PANEL CENTERED ON THE ENDWALL OR 2 PANELS MEETING AT THE CENTER OF THE ENDWALL AS SHOWN ABOVE. SEE SHEET 5 OR 6 FOR THE CONFIGURATION OF THE ENDWALL PANELS.

SOLID ENDWALL CONNECTOR AND BASE SEAL PLATE ASSEMBLY

COMMERCIAL BASE CONNECTOR DETAILS

ARCHES ONLY (NO ENDWALLS)

SCALE: NTS

SHEET: 5 OF 5