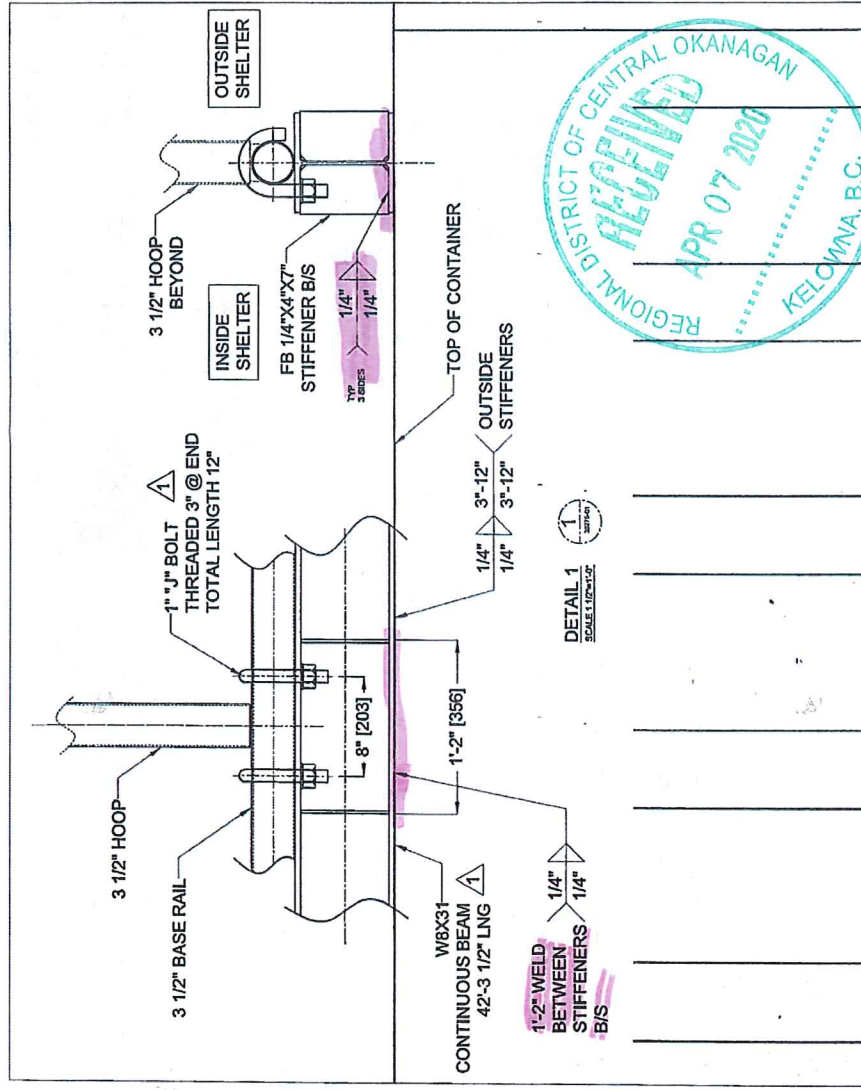






NOTES: Δ

1. ALL STEEL TO CONFORM TO CSA G40.21 300W EXCEPT FOR WIDE FLANGE 350W, HSS 350W (CLASS C)
2. ALL WELDS TO CONFORM TO CSA W59
3. WELD SIZE 1/4" UN. BOLT DIAMETER 1" UN.
4. FABRICATION TO CONFORM TO CSA W47.1
5. SAFETY PROCEDURE TO BE FOLLOWED WHEN INSTALLING/UNINSTALLING THE SHELTER ON THE SUGGESTED MOUNTING STRUCTURE
6. DESIGN OF SHELTER IS BY OTHERS
7. THERE ARE TWO OR THREE SEA CONTAINERS Δ
8. INSTAL. FIRE EXTINGUISHERS AS PER ALBERTA FIRE CODE.
9. HANGING NET TO BE SUSPENDED FROM THE SHELTER STRUCTURE. SEPARATE SUPPORT WILL BE REQUIRED.
10. AIRCON IS REQUIRED TO UTILIZE A COMBINATION OF NATURAL VENTILATION AND TEMPORARY MECHANICAL VENTILATION AS RESPONSIBLE IN ORDER TO ACHIEVE A SAFE WORKING ENVIRONMENT PER OHHS REGULATIONS.

1. DESIGN DATA: CONNECTION OF THE SHELTER TO THE MOUNTING STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH CAN CSA S16-01 & ASCE/SEI 7-05 DESIGN STANDARDS.
2. WIND LOAD HAS BEEN CALCULATED FOR THE AREA OF EXHAUST IN THE PROVINCE OF ALBERTA.

		METER R. & L. IN ZONE	DEC 10, 2014	YA
		LENGTH OF SPACER CHANGED TO 42" 1. 42" SPACER 2. 17" BOLT METAL OF V. BOLT 3. 17" BOLT METAL OF V. BOLT	SEP 2, 2014	YA
ZONE	REV	DESCRIPTION	DATE	APPROVED

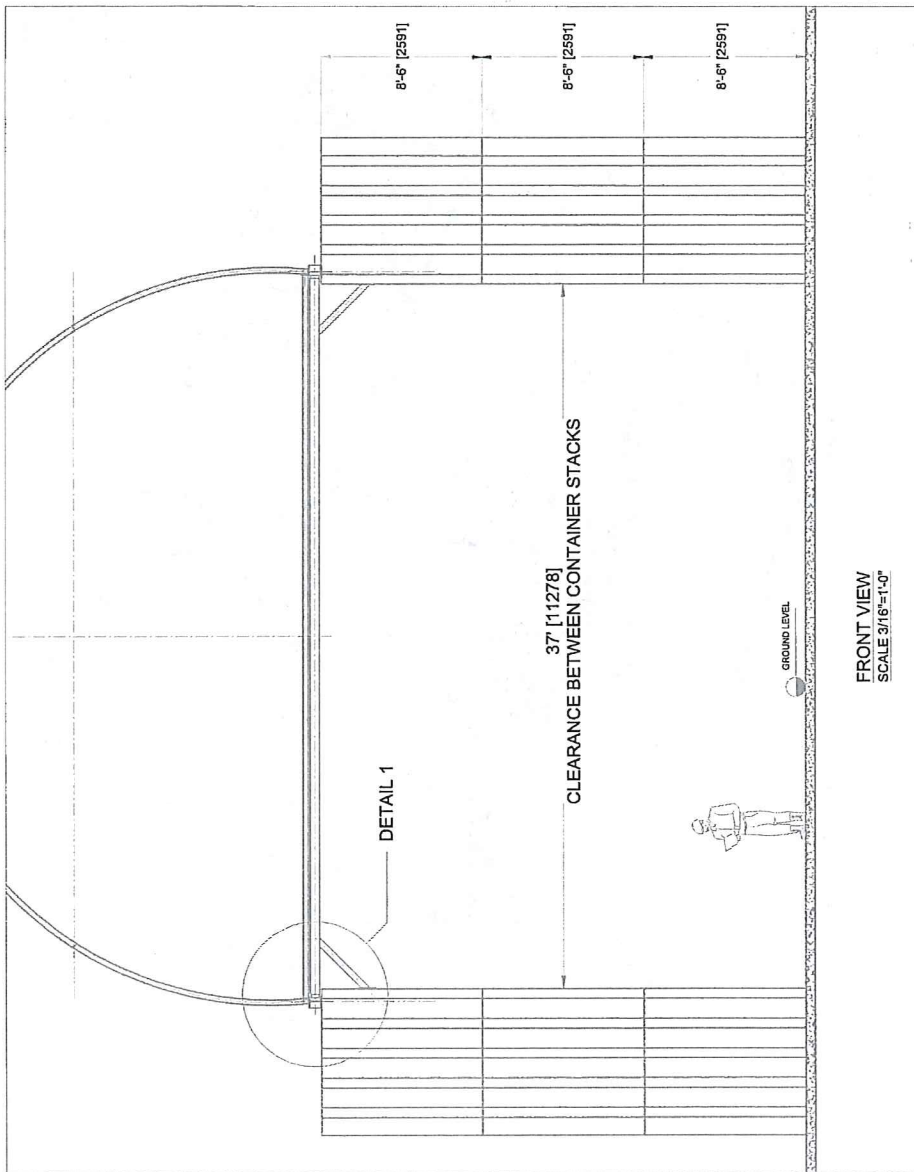
THIS DRAWING REMAINS THE PROPERTY OF DOMINION ENGINEERING & INSPECTION LTD. IT MAY NOT BE COPIED OR USED FOR PURPOSES OF CONSTRUCTION, OR HANDLED OVER OR OTHERWISE COMMUNICATED TO A THIRD PARTY WITHOUT THE WRITTEN PERMISSION OF DOMINION ENGINEERING & INSPECTION LTD. LEGAL ACTION WILL BE TAKEN AGAINST ANY INFRINGEMENT.

DRAWING IS 48 INCHES UNLESS NOTED. DO NOT SCALE DRAWING.

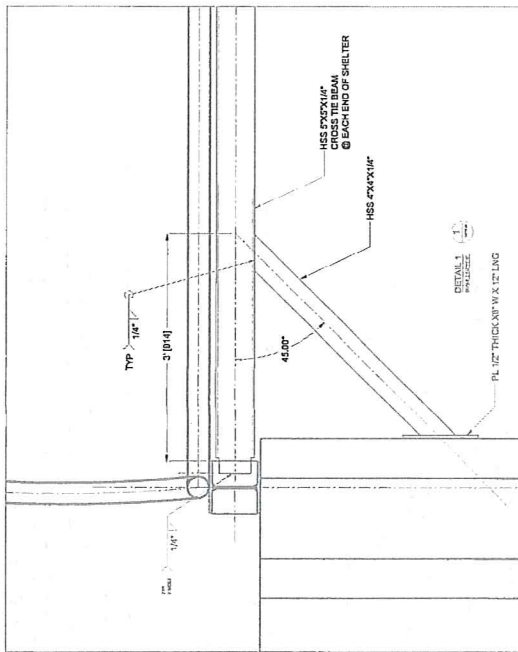


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DRAWN	YA	DATE AUG-2014	AECOM MINING CONSTRUCTION SERVICES ARCHDED SHELTER PLACED ON STANDARD 40' SEA CONTAINERS DETAIL 2			
CHECKED						
DESIGN			JOB NO. 30275	DWG NO. 30275-03	SCALE NTS	REV 1



FRONT VIEW
SCALE 3/16"=1'-0"



- NOTES: ¹
1. ALL STEEL TO CONFORM TO CSA G40.21 300W EXCEPT FOR WIDE FLANGE 350W, HSS 350W (CLASS C)
 2. ALL WELDING TO CONFORM TO W59
 3. ALL FABRICATION TO CONFORM TO CSA G17.1
 4. FABRICATION TO CONFORM TO CSA W47
 5. SAFETY PROCEDURE TO BE FOLLOWED WHEN INSTALLING THE SHELTER ON THE SUGGESTED MOUNTING STRUCTURE
 6. DESIGN OF SHELTER IS BY OTHERS
 7. CONTAINER STACK MAY CONTAIN ONE, TWO OR THREE SEA CONTAINERS
 8. FOUNDATION TO BE SITUATED ON THE SHELTER STRUCTURE. SEPARATE SUPPORT WILL BE REQUIRED.
 9. INSTALLATION TO BE DONE BY A QUALIFIED PERSON
 10. AECOM IS RESPONSIBLE TO UTILIZE A COMBINATION OF NATURAL VENTILATION AND TEMPORARY MECHANICAL VENTILATION AS REQUIRED IN ORDER TO ASSURE A SAFE WORKING ENVIRONMENT PER OHAS REGULATIONS.
 11. BRACING AT TOP OF CONTAINERS AS SHOWN ON DWG 30275-04 IS REQUIRED FOR TWO AND THREE CONTAINER STACKS ³

DESIGN DATA:
1. CONNECTION OF THE SHELTER TO THE MOUNTING STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH CAN CSA S16-01 & ASCE/SEI 7-05 DESIGN STANDARDS.
2. WIND LOAD HAS BEEN CALCULATED FOR THE AREA OF EXHAUST IN THE PROVINCE OF ALBERTA.

NO.	REVISION	DATE	BY
1	ISSUED	DEC 31, 2014	YA
2	REVISION	DEC 16, 2014	YA
3	REVISION	SEP 2, 2014	YA
4	REVISION	DATE	APPROVAL

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AECON MINING CONSTRUCTION SERVICES
SEA CONTAINER STABILITY

DATE: AUG-2014
CHECKED: YES
NOTED: YES

30275-04
NTS
SCALE: 1

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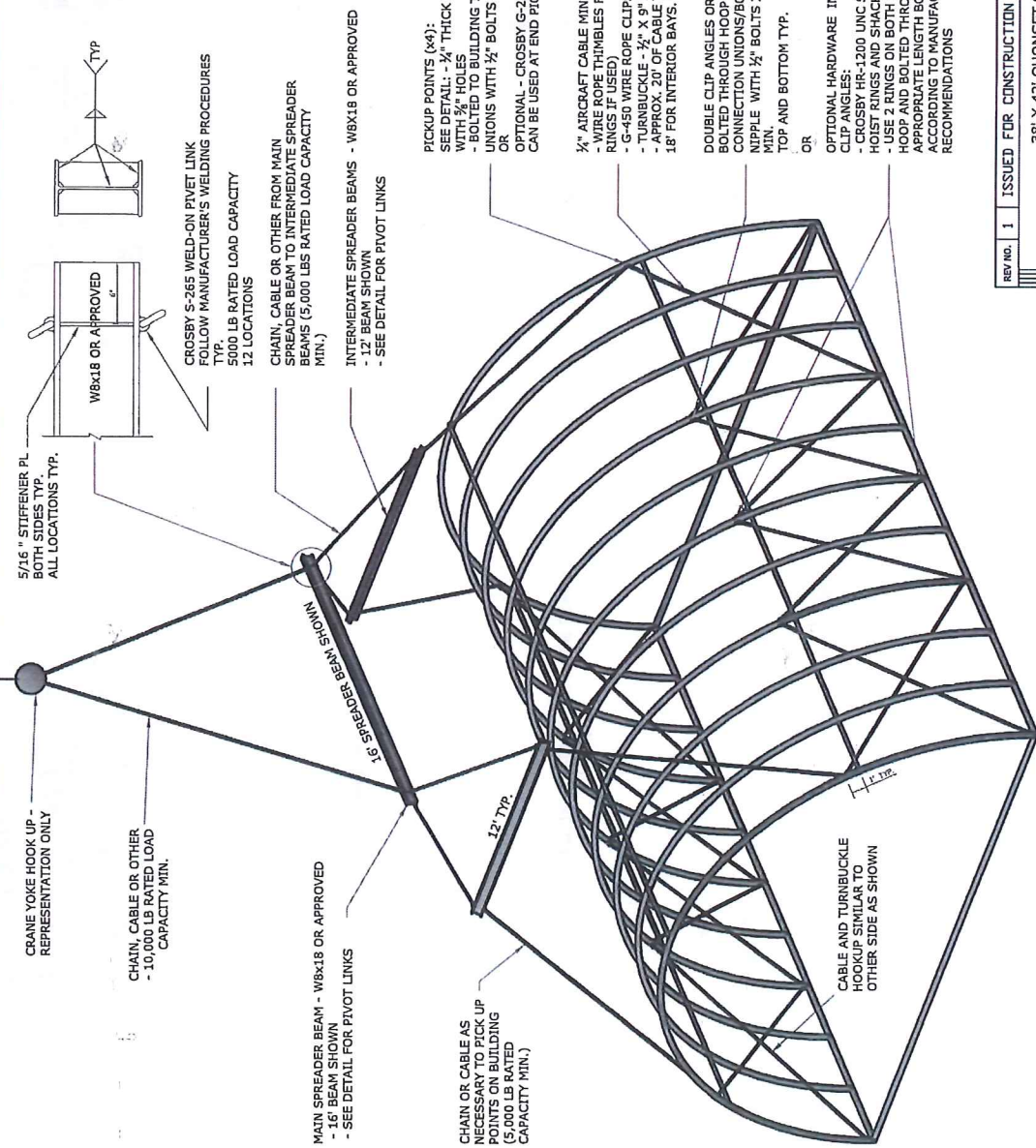
DIMENSIONS ARE IN INCHES UNLESS NOTED, DO NOT SCALE DRAWING.



December 31, 2014
APEGA Permit P09243

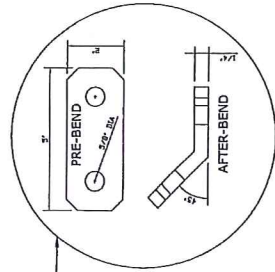


NOTES:
ALL STEEL W SHAPES SHALL CONFORM TO THE LATEST EDITION OF CAN/CSA G40.21, GRADE 350W.



PICKUP POINTS (x4):
SEE DETAIL: - $\frac{1}{4}$ " THICK BENT PLATE ANGLES (2"x5" BENT AT 45) WITH $\frac{1}{4}$ " HOLES
- BOLTED TO BUILDING THROUGH HOOP SEGMENT CONNECTION UNIONS WITH $\frac{1}{4}$ " BOLTS X 4-1/2" LONG MIN.
OR
OPTIONAL - CROSBY G-257 SHOULDER NUT RING BOLTS - $\frac{1}{2}$ " X 6" CAN BE USED AT END PICK-UP POINTS

$\frac{1}{4}$ " AIRCRAFT CABLE MIN. C/W
- WIRE ROPE THIMBLES FOR $\frac{1}{4}$ " CABLE (AT TURNBUCKLES AND HOIST RINGS IF USED)
- G-450 WIRE ROPE CLIPS - 2/CONNECTION
- TURNBUCKLE - $\frac{1}{2}$ " X 9" SUGGESTED
- APPROX. 20' OF CABLE TO CONSTRUCT EACH LENGTH AT END BAYS, AND 18' FOR INTERIOR BAYS. TYP.



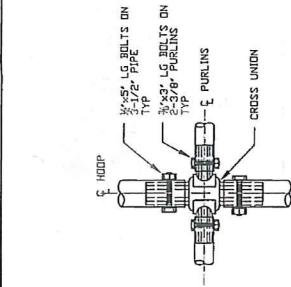
DOUBLE CLIP ANGLES OR APPROVED BOLTED THROUGH HOOP SEGMENT CONNECTION UNIONS/BOTTOM NIPPLE WITH $\frac{1}{2}$ " BOLTS X 5" LONG MIN.
TOP AND BOTTOM TYP.

OR
OPTIONAL HARDWARE INSTEAD OF CLIP ANGLES:
- CROSBY HR-1200 UNC SIDE PULL HOIST RINGS AND SHACKLES.
- USE 2 RINGS ON BOTH SIDES OF HOOP AND BOLTED THROUGH WITH INTERMEDIATE LENGTH BOLT
- FOLLOW MANUFACTURER'S RECOMMENDATIONS

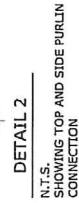
ISOMETRIC SHOWING CRANE LIFT PICK-UP POINTS
WOVEN FABRIC AND END WALL UPRIGHTS AND
FRAMING REMOVED FOR CLARITY

REV. NO.	1	ISSUED FOR CONSTRUCTION
SHEET	4	38' X 42' QUONSET STYLE FRAME SUPPORTED SHELTER
OF	4	CRANE LIFT PROCEDURE
		DWG. NO. LKS-001.4012
		PREPARED BY: L.K. STANSELL, P. ENG.
		DATE: 20/SEPT/2014
		WINNIPEG MANITOBA

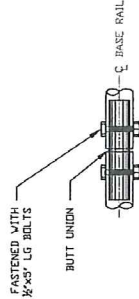
NOTES: SEE SHEET 1 FOR NOTES.



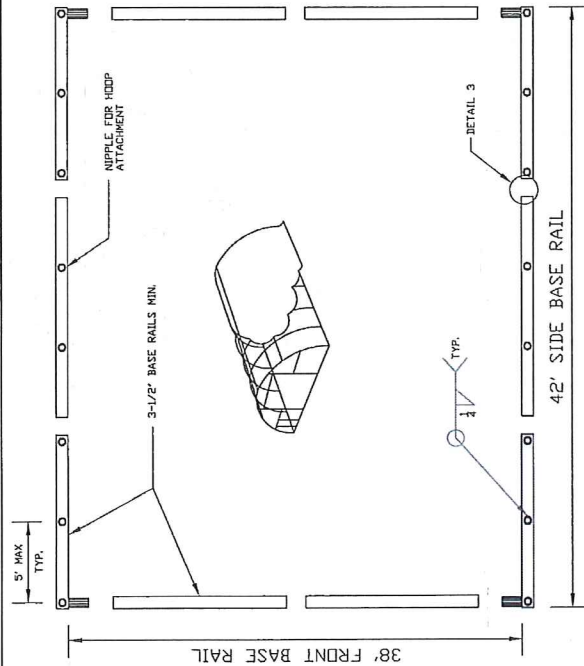
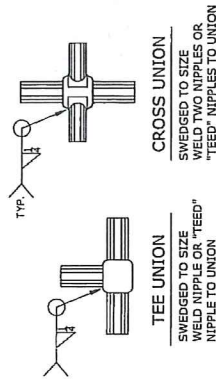
DETAIL 1
N.T.S.
TOP VIEW OF END CONNECTION



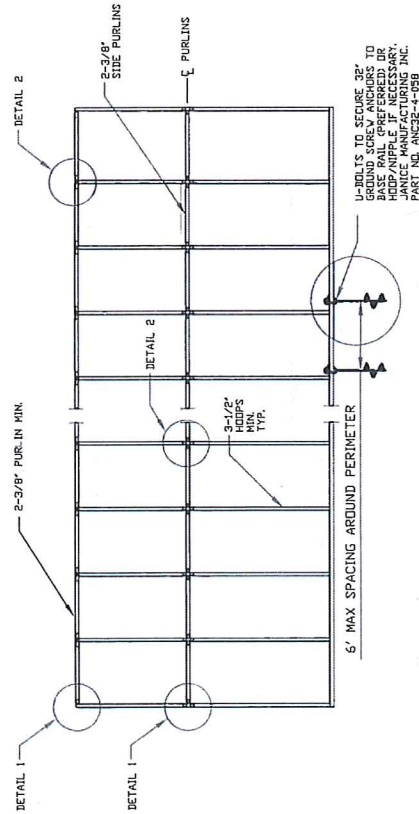
DETAIL 2
N.T.S.
SHOWING TOP AND SIDE PURLIN CONNECTION



DETAIL 3
N.T.S.
SHOWING BASE RAIL CONNECTION



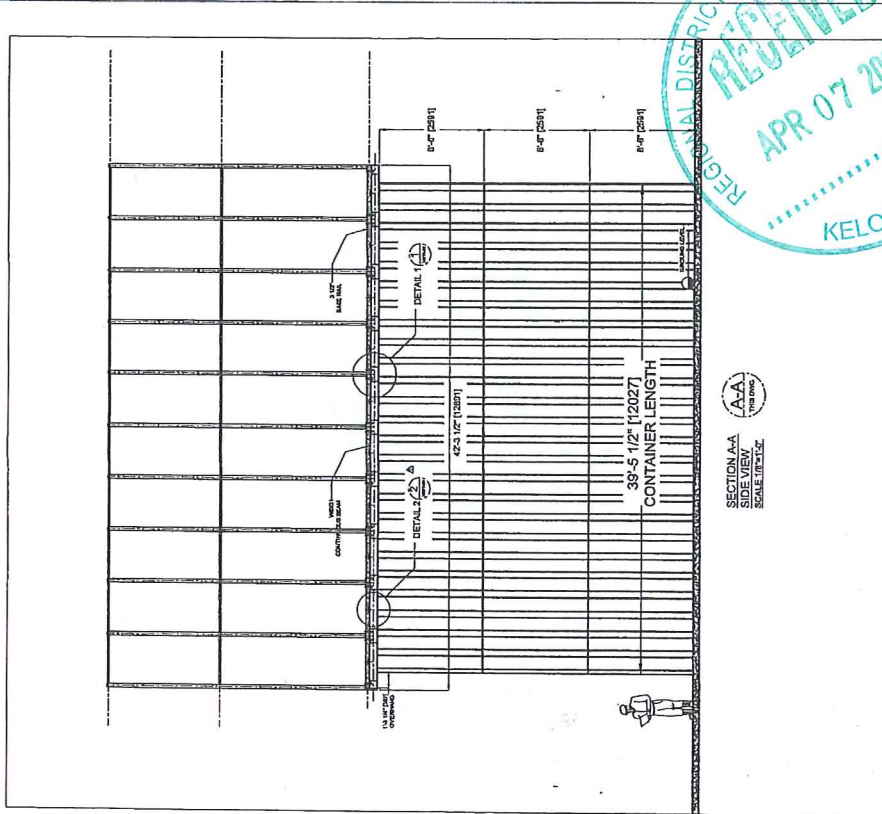
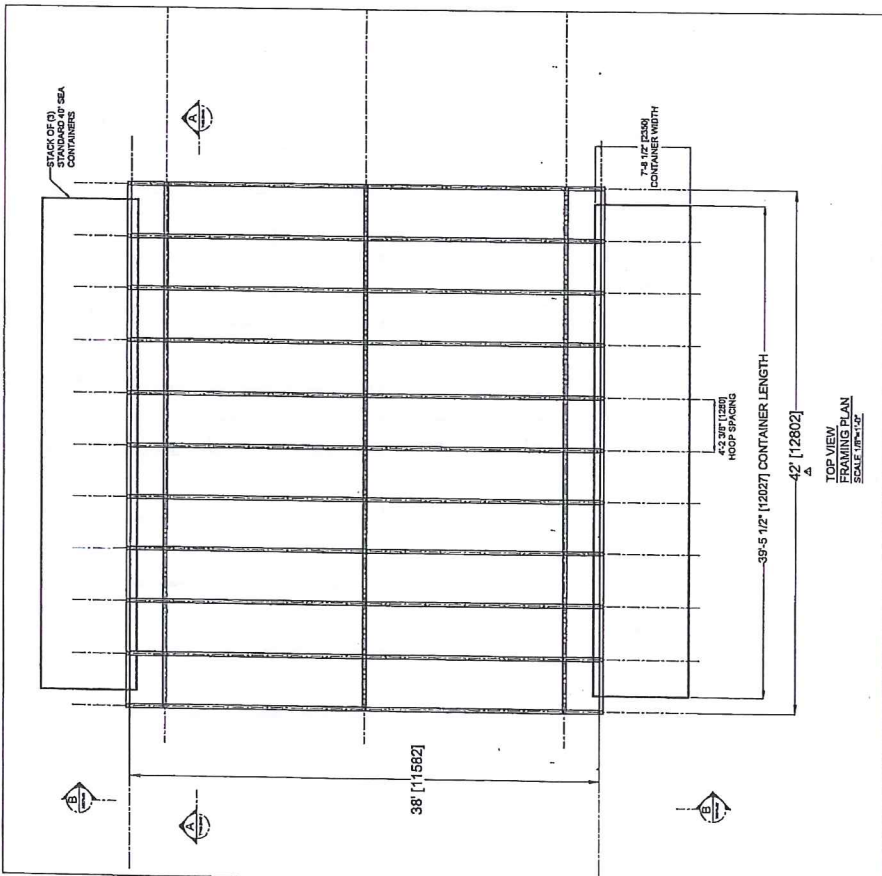
BASE RAIL PLAN
N.T.S.
ALL BASE RAILS NOT SHOWN



SIDE PROFILE
N.T.S.
ALL HOOPS NOT SHOWN



REV. NO.		ISSUED FOR CONSTRUCTION	
1		38' X 42' QUONSET STYLE FRAME SUPPORTED SHELTER	
SHEET		PLAN, PROFILE & DETAILS	DWG NO: LKS-0014012
2		PREPARED BY: L.K. STANSELL, P. ENG.	DATE: 20/SEPT/2014
OF 4		STANSELL ENGINEERING	
		WINNIPEG MANITOBA	



SECTION AA
SIDE VIEW
SCALE 1/8\"/>

- NOTES:
1. ALL STEEL TO CONFORM TO CSA G40.21 350W EXCEPT FOR WIDE FLANGE 350W, HSS 350W (CLASS C)
 2. ALL WELDING TO CONFORM TO W59
 3. WELD SIZE 1/4\"/>

DESIGN DATA:

1. CONNECTION OF THE SHELTER TO THE MOUNTING STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH CAN CSA S16-01 & ASCE/SEI 7-05 DESIGN STANDARDS.
2. WIND LOAD HAS BEEN CALCULATED FOR THE AREA OF EXHAUST IN THE PROVINCE OF ALBERTA.

DESIGN DATA:

1. CONNECTION OF THE SHELTER TO THE MOUNTING STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH CAN CSA S16-01 & ASCE/SEI 7-05 DESIGN STANDARDS.
2. WIND LOAD HAS BEEN CALCULATED FOR THE AREA OF EXHAUST IN THE PROVINCE OF ALBERTA.



DATE	REVISIONS
SEP 15, 2014	1. INITIAL DESIGN
SEP 2, 2014	2. REVISED DESIGN
DATE	APPROVED

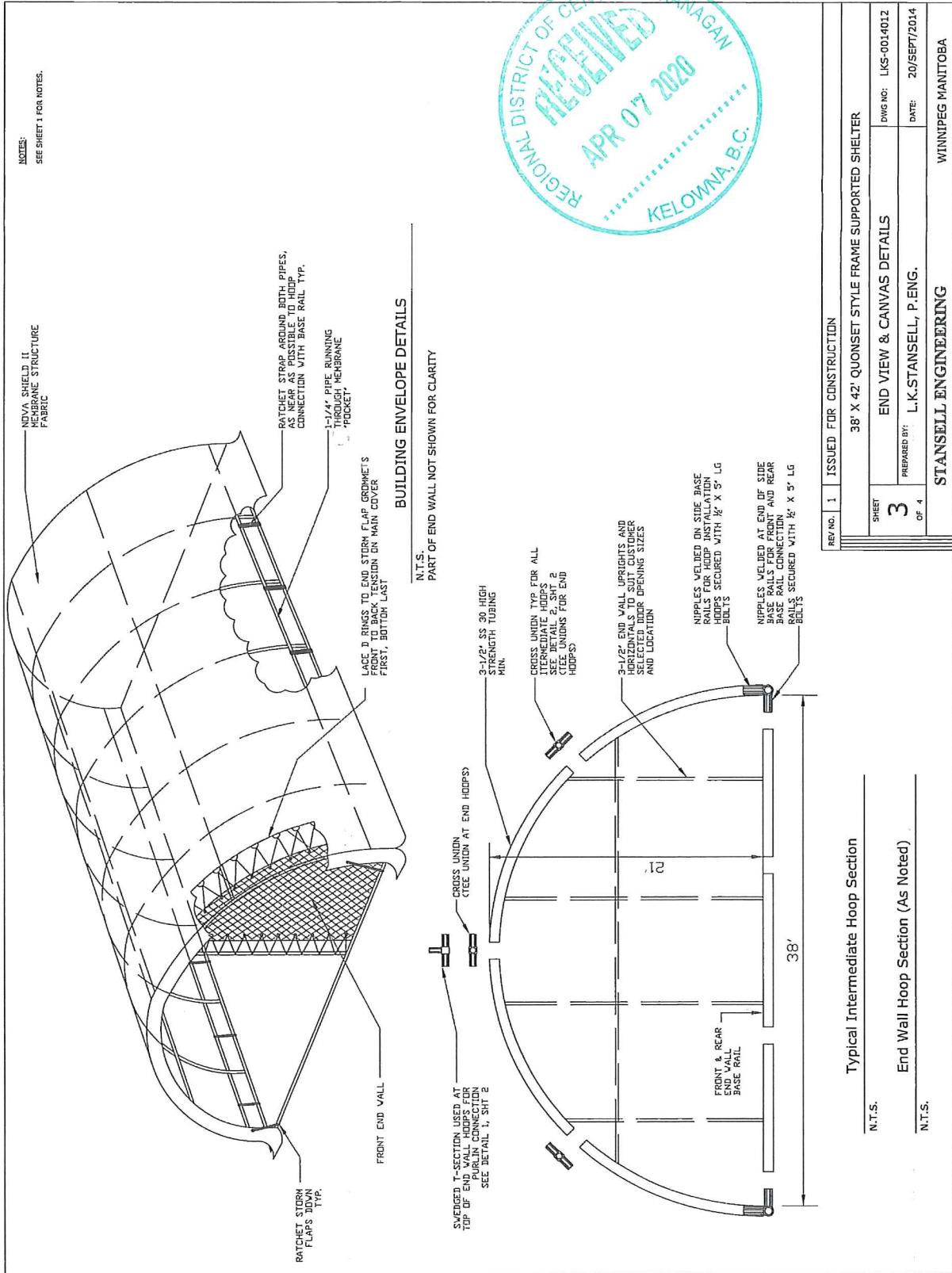
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NOTES:
SEE SHEET 1 FOR NOTES.

BUILDING ENVELOPE DETAILS

N.T.S.
PART OF END WALL NOT SHOWN FOR CLARITY

REV. NO.	1	ISSUED FOR CONSTRUCTION
SHEET	3	END VIEW & CANVAS DETAILS
OF	4	PREPARED BY: L.K. STANSELL, P.ENG.
		DATE: 20/SEPT/2014
STANSELL ENGINEERING		
WINNIPEG MANITOBA		

Typical Intermediate Hoop Section

N.T.S.

End Wall Hoop Section (As Noted)

N.T.S.