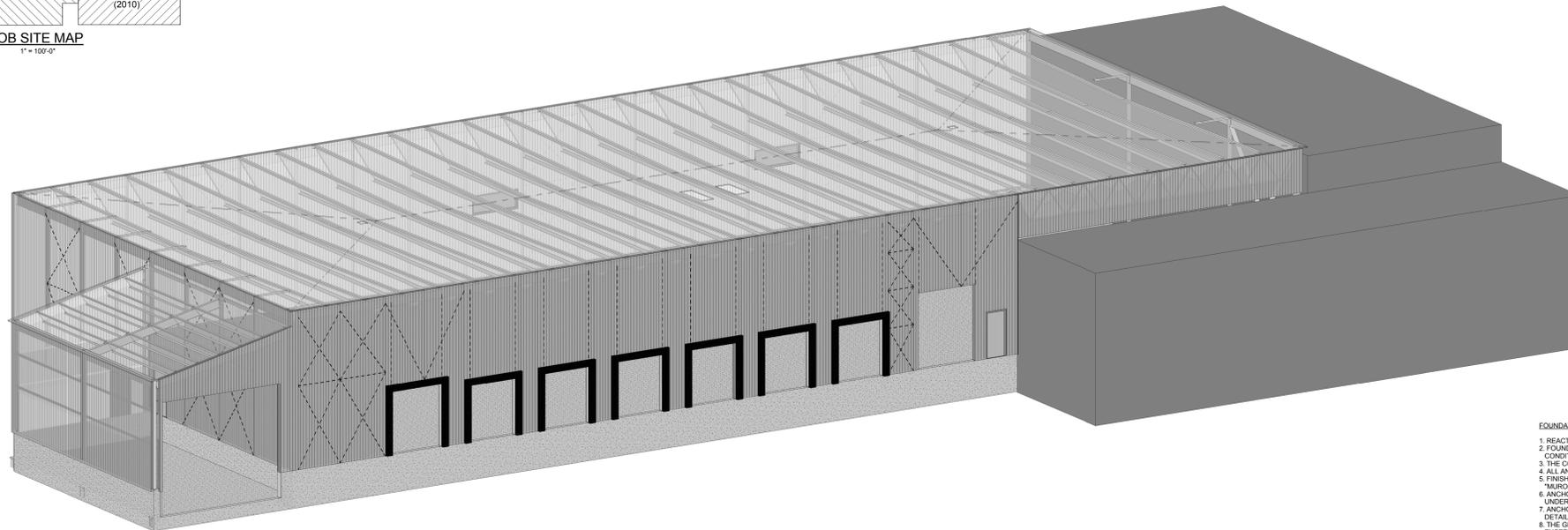
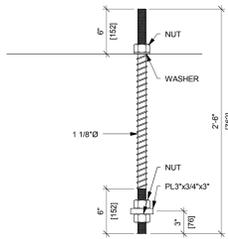


JOB SITE MAP
1" = 100'-0"

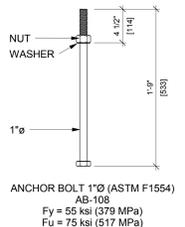


3D VIEW



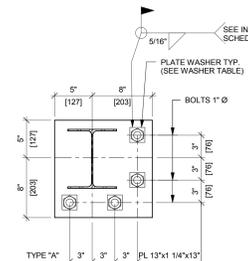
ANCHOR BOLT 1 1/8" Ø (CSA G30.18) AR-110
REBAR 400W - 30M

ANCHOR ROD 1-1/8" Ø AR-110
1 1/2" = 1'-0"

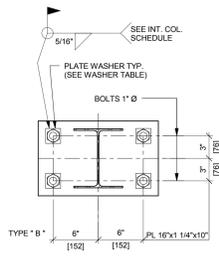


ANCHOR BOLT 1" Ø (ASTM F1554) AB-108
Fy = 55 ksi (379 MPa)
Fu = 75 ksi (517 MPa)

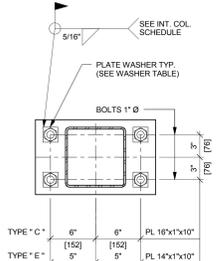
ANCHOR ROD 1" Ø AB-108
1 1/2" = 1'-0"



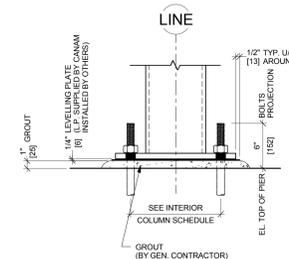
ANCHOR BOLT 1" Ø (ASTM F1554) AB-108



ANCHOR BOLT 1" Ø (ASTM F1554) AB-108



ANCHOR BOLT 1" Ø (ASTM F1554) AB-108



ANCHOR BOLT 1" Ø (ASTM F1554) AB-108

REACTIONS ON FOUNDATIONS FOR "MUROX" PANEL COLUMN @ 10'-0" CC
NOTE: ALL SERVICE LOADS ARE EXPRESSED IN KIPS

AXIS	PANEL WEIGHT	VERTICAL LOAD				REACTION AT THE BASE TO FOUNDATIONS				BRACED PANELS			
		D	S	L	W UPLIFT	WIND	SEISMIC	SEISMIC	WIND	H.	V.	H.	V.
10	2.0	13.3	30.9		12.5	3.2		10.6	±34.0	3.6	±11.6		
10'	3.0	16.6	39.6		16.9	4.8		12.0	±67.7	4.1	±22.8		
10"	3.0	16.6	39.6		16.9	4.8		12.0	±67.7	4.1	±22.8		
10'	2.0	13.3	30.9		12.5	3.2		12.0	±66.7	4.1	±22.8		
12	2.0	13.3	30.9		12.5	3.2		10.6	±26.8	3.4	±8.5		
CC (Between 10 & 11)	2.0	1.3	3.6		2.2	3.2	0.3	9.9	±24.8	5.2	±13.0		
CC (Between 11 & 12)	2.0	0.7	2.0		1.0	3.2	0.3	9.9	±24.8	5.2	±13.0		
CC'	2.0	5.8	18.1		12.2	3.9	0.1	9.9	±24.8	5.2	±13.0		
CC''	2.0	1.1	3.0		1.7	3.4	0.1	9.9	±24.8	5.2	±13.0		

INTERIOR COLUMN SCHEDULE
(NOTE: ALL SERVICE LOADS ARE EXPRESSED IN KIPS TYP. U.N.)

Col. No.	Dimensions	Qty	EL Top pier (see detail A-1)	Base plate type	Welded Plate	Vertical loads				Bracing				Horizontal loads	
						D	S	L	W Gross uplft	H.	V.	H.	V.	NIS	EW
1	WBX24	2	100'-0"	A	Yes	3.5	8.1		5.6					3.0	2.3
2	WBX24	2	100'-0"	B	Yes	6.0	18.1		11.2						4.5
3	WBX24	2	100'-0"	B	Yes	3.5	8.1		5.6						3.3
4	HSS10X10X0.313	1	99'-0"	C	No	26.5	62.4		28.8						
5	HSS10X10X0.313	1	99'-0"	D	Yes	26.5	62.4		28.8	29.8	±40.2	18.4	±24.8		
6	HSS6X6X0.188	1	99'-0"	E	Yes	2.9	4.8		2.4	29.8	±40.2	18.4	±24.8		
7	HSS6X6X0.188	2	99'-0"	E	No	3.1	5.6		2.8						

DESIGN LOADS

BUILDING OCCUPANCY CATEGORY : II

1 DEAD LOAD (ROOFING, DECK, STRUCTURE) : 18 psf
MECHANICAL, ELECTRICAL OR OTHER LOADS : 3 psf
ROOF DESIGN DEAD LOAD : 21 psf

2 A) ROOF SNOW LOAD AT MAIN ROOF : 68.8 psf
Pg. 89 psf. Is: 1.0 ; Ce: 1.0 ; Cs: 1.0
B) ROOF SNOW LOAD AT ANNEX #1 (COMPACTOR SHED): 82.2 psf
Pg. 89 psf. Is: 1.0 ; Ce: 1.0 ; Cs: 1.0

3 WIND INFORMATION
BASIC WIND SPEED : 91 mph
W : 1.0
WIND EXPOSURE CATEGORY : C
GCP : ±0.85
VELOCITY PRESSURE (qs) : 17.0 psf

4 EARTHQUAKE DESIGN DATA
I : 1.0
Ss : 0.250
S1 : 0.0750
SITE CLASS : D
SDS : 0.308g
SD1 : 0.126g

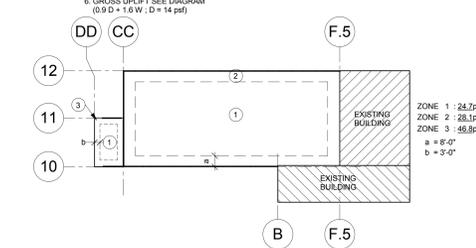
SEISMIC DESIGN CATEGORY : B
SEISMIC FORCES RESISTING SYSTEM : H-STEEL SYSTEM
NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
RESPONSE MODIFICATION FACTOR (R) : 3.0
DEFLECTION AMPLIFICATION FACTOR (α) : 3.0
SYSTEM OVERSTRENGTH FACTOR (Ω) : 3.0
CS : 0.133

DESIGN BASE SHEAR : 69 kips
ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

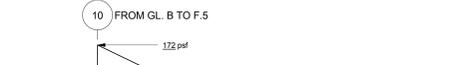
COMMENTS: ALL SEISMIC LOADS INDICATED ON DRAWINGS ARE SERVICE LOADS. THEREFORE THEY DO NOT INCLUDE THE APPLICABLE FACTORS FOR CONNECTIONS. REFER TO ASCE 7-05 CLAUSE 14.1, FOR CONNECTION DESIGN.

5 ROOF DEFLECTION : L/240
TYPICAL UNLESS NOTED

6 GROSS UPLIFT SEE DIAGRAM (0.9 D + 1.6 W ; D = 14 psf)



7 A) SNOW DRIFT FROM NEW BUILDING ONTO EXISTING BUILDING (86-0342, 1985)



7 B) SNOW DRIFT AROUND RTU



7 C) SNOW DRIFT AROUND RTU

FOUNDATION NOTES

- REACTIONS ARE ROUNDED VALUES EXPRESSED IN KIPS (SERVICE LOADS)
- FOUNDATIONS MUST BE ADEQUATELY DESIGNED FOR LOCAL SOIL CONDITIONS BY A QUALIFIED FOUNDATION ENGINEER.
- THE CONCRETE MUST MEET OR EXCEED 3500 psi AFTER 28 DAYS.
- ALL ANCHOR BOLTS MUST MEET OR EXCEED ASTM A307 SPECIFICATIONS.
- FINISHED FLOOR ELEVATION: 100'-0" UNLESS NOTED. UNDERSIDE OF "MUROX" PANEL'S BASE PLATE ELEVATION: 100'-0" UNLESS NOTED.
- ANCHOR BOLT FOR "MUROX" PANEL TO HAVE 3 IN. PROJECTION FROM UNDERSIDE OF BASE PLATE (SEE DETAIL A-2)
- ANCHOR BOLT PROJECTION FOR INTERIOR COLUMNS IS INDICATED ON DETAIL A-3
- THE GROUT UNDER BASE PLATES (BY OTHERS) FOR ALL COLUMNS EXCEPT "MUROX" PANEL IS 1 IN. UNLESS OTHERWISE INDICATED.
- THE ANCHOR BOLTS INSTALLATION TOLERANCE MUST NOT EXCEED: A) 1/8" BETWEEN 2 ANCHOR BOLTS B) 1/4" BETWEEN 2 GROUPS OF ANCHOR BOLTS

IT IS THE RESPONSIBILITY OF THE CLIENT AND/OR GENERAL CONTRACTOR TO ASSURE THAT ANCHOR BOLTS ARE CORRECTLY POSITIONED ACCORDING TO THE ABOVE TOLERANCES. ANY COSTS OR DELAYS RESULTING FROM CORRECTIONS IN ANCHOR BOLT INSTALLATION WILL BE THE ENTIRE RESPONSIBILITY OF THE CLIENT AND/OR GENERAL CONTRACTOR.

REFERENCE NOTE

- THE PANEL NUMBER INDICATES PROPOSED ERECTION SEQUENCE.

MATERIAL NOTES

- STRUCTURAL STEEL SHALL BE NEW MATERIAL CONFORMING TO THE FOLLOWING SPECIFICATIONS:
A) STRUCTURAL STEEL:
- JOIST AND TRUSS MEMBERS FABRICATED FROM STRUCTURAL STEEL, AS PER CANAM STANDARD.
- HOT ROLLED "W", "C", "S" AND PLATES STEEL ASTM A992, A572 - 50W, UN.
- HOT ROLLED "MC" STEEL CSA G40.21 - 44W, UN.
- HOLLOW STRUCTURAL SECTIONS "HSS" STEEL ASTM A-500 GRADE C (Fy = 50 ksi and 46 ksi FOR ROUND "HSS"), UN.
- OTHER HOT ROLLED STRUCTURAL STEEL ASTM A992, A572 - 50W, UN.
B) STRUCTURAL BOLTS - HIGH STRENGTH BOLTS ASTM A325 (3/4" Ø) OR A490 (1" Ø), UN.
- THE SURFACE PREPARATION CONSISTS IN A SSPC-SP2 (BLAST TOOLS CLEANING).
- THE PAINT CONFORMS TO CISCC/PPA STANDARDS 1-73A.
- THE STANDARD COLOR IS GREY.

SUSPENDED LOADS

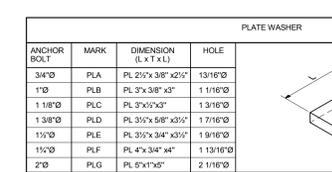
ALL SUPPORTS FIXED TO ROOF JOISTS AND TRUSSES USED TO SUSPEND EQUIPMENT OR OTHER LOADS OF ANY SORT MUST BE LOCATED AT THE INTERSECTION OF VERTICAL AND HORIZONTAL MEMBERS.

NOTES FOR JOISTS

THE JOIST SITTING ON "MUROX" PANELS MUST BE DESIGNED TO TRANSFER THE LOAD TO 12 INCH FROM THE END OF JOIST SINCE ALL HOLES FOR BOTTOM CHORD TIES SHALL BE SLOTTED 13 1/2" x 1 1/2" UNLESS NOTED OTHERWISE BY THE SYMBOL "Z" INDICATING THE USE OF STANDARD ROUND HOLES.

TYPE OF BRIDGING REQUIRED:
FOR ALL CASES, USE DIAGONAL BRIDGING. UPLIFT BRIDGING MUST BE PROVIDED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. THERE WILL BE HORIZONTAL AND CROSS BRIDGING AT EACH BAY END BETWEEN THE LAST JOIST AND THE ADJACENT ONE. (SEE DETAIL R-02M-3)

ANCHOR BOLT	MARK	DIMENSION (L x T x U)	HOLE
3/4"	PLA	PL 2 1/2" x 3/8" x 2 1/2"	1 3/16"
1"	PLB	PL 3" x 3/8" x 3"	1 1/16"
1 1/8"	PLC	PL 3" x 5/8" x 3"	1 3/16"
1 3/8"	PLD	PL 3 1/2" x 5/8" x 3 1/2"	1 7/16"
1 1/2"	PLE	PL 3 1/2" x 3/4" x 3 1/2"	1 9/16"
1 1/2"	PLF	PL 4" x 3/4" x 4"	1 13/16"
2"	PLG	PL 5" x 1" x 5"	2 1/16"



ACCEPTED

COMPANY: _____
BY: _____
DATE: _____

FOR APPROVAL

NOTE: THE PRESENT DRAWING MUST BE RETURNED TO CANAM'S OFFICE BEFORE DOMINATION IN ORDER TO MEET THE DELIVERY SCHEDULE.



DATE	DESCRIPTION	A	G.S.	A.D.
08/04/2016	For approval			

SHEET LIST

SHEET #	SHEET NAME	CURRENT REVISION
A-1	GENERAL NOTES	A
A-2	ANCHOR PLAN & DETAILS	A
A-3	ROOF PLAN & DETAILS	A
A-4	ROOF DETAILS	A
A-5	ELEVATIONS PLAN & DETAILS	A
A-6	ELEVATIONS AND SHOP FINISHING DETAILS	A

Grand total: 6

GENERAL NOTES

PROJECT	PP016.057 Rev. #1	SHEET	REVISED
S02072		Mx1 of Mx6	A