



1. SEPARATION FROM EXISTING STRUCTURES TO BE 10' OR GREATER
2. THIS STRUCTURE IS NOT DESIGNED FOR INSTALLATION IN A FLOOD HAZARD AREA.
3. THIS STRUCTURE IS NOT DESIGNED FOR HUMAN OCCUPANCY EXCEPT FOR SHORT TIME PERIODS FOR EQUIPMENT MAINTENANCE.
4. MOBILE MODULAR EXPRESS II WILL NOT BE RESPONSIBLE FOR INSTALLATION OF AN SPRINKLER SYSTEM, WHICH MAY BE REQUIRED BY THE BUILDING DEPARTMENT.
5. MOBILE MODULAR EXPRESS II WILL NOT BE RESPONSIBLE FOR ANY ANTENNA INSTALLATION ASSOCIATED WITH THIS BUILDING.
6. THIS BUILDING SHALL NOT BE LOCATED AT A SITE THAT EXCEEDS THE LISTED DESIGN LOADS.

OCCUPANCY TYPE: IV
FLOOR LIVE LOAD: 300 psf
ROOF DESIGN LOAD (STRENGTH): 150 psf
ROOF DESIGN LOAD (DEFLECTION): 75 psf

EXPOSURE FACTOR	$C_e = 1.0$
IMPORTANCE FACTOR	$I_s = 1.15$
THERMAL FACTOR	$C_t = 1.0$
GROUND SNOW LOAD	$P_g = 60$

WIND SPEED: 150 MPH 3 SECOND GUST
EXPOSURE: D
 $I_w = 1.15$ $\alpha = 3ft$
 $GC_{pi} = \pm 0.18$ (PER ASCE 7)

OCCUPANT LOAD: 0
CONSTRUCTION TYPE: IIB
USE GROUP: S2

CODES:

2006 INTERNATIONAL BUILDING CODE WITH STATE AMENDMENTS
2006 INTERNATIONAL MECHANICAL CODE WITH STATE AMENDMENTS
2005 NATIONAL ELECTRICAL CODE WITH STATE AMENDMENTS
2006 INTERNATIONAL ENERGY CONSERVATION CODE WITH STATE AMENDMENTS

STAMPS AND SEALS	

Mobile Office Trailers & Modular Buildings

COVER

MME2146

C1
Board of Zoning Adjustment
District of Columbia
CASE NO.18842
EXHIBIT NO.2

MATERIALS LIST						
ITEM	QTY	UM	DESCRIPTION	MANUFACTURER	PART NUMBER	NOTE
1	1	EA	300A LOAD CENTER, 3ø/4W	SQUARE D	NQ0D442L400CU/NQ0D4/G4L3300	8,12
2	1	EA	LOAD CENTER COVER	SQUARE D	MH68/MH68VS	8
3	2	EA	GROUND BAR	SQUARE D	PK27GTA	8
4	1	EA	CKT BKR, 3/15A	SQUARE D	Q0315	8
5	2	EA	CKT BKR, 1/15A	SQUARE D	Q0115	8
6	2	EA	CKT BKR, 1/30A	SQUARE D	Q0130	8
7	2	EA	CKT BKR, 3/40A	SQUARE D	Q0345	8
8	1	EA	CKT BKR, 3/60A	SQUARE D	Q0360	8
9	1	EA	CKT BKR, 2/125A	SQUARE D	Q02125	8
10	75	EA	CKT BKR, 1/20A	SQUARE D	Q0120	8
11	2	EA	200A SUB-PANEL, 3ø/4W	SQUARE D	Q0342M1Q200	8
12	2	EA	SUB-PANEL COVER	SQUARE D	Q0C342M1Q5	8
13	2	EA	GROUND BAR	SQUARE D	PK27GTA	8
14	2	EA	GROUND BAR ISOLATOR KIT	SQUARE D	PKGTAB	8
15	1	EA	CKT BKR ENCLOSURE, 400A WITH NEUTRAL KIT	SQUARE D	LA400S/400SN	8,12
16	1	EA	CKT BKR, 3/300A	SQUARE D	Q4L3300	8
17	1	EA	CKT BKR ENCLOSURE, 100A	SQUARE D	Q03100BNS	8,12
18	1	EA	CKT BKR, 3/60A	SQUARE D	Q0360	8
19	1	EA	SURGE ARRESTOR, 120/208, 3ø/4W	LIEBERT	S9500120YFN5P	8,12
20	1	EA	SURGE ARRESTOR, 120/208, 3ø/4W	LIEBERT	S9550120YFN5P	8,12
21	2	EA	SURGE PROTECTION, 120V MODULE	TRANSECTOR	I2R-ICP120V	8
22	1	EA	SURGE PROTECTION, 13V MODULE	TRANSECTOR	DSWPH03	8,12
23	1	EA	36" MOTORIZED LOUVER	DAYTON	GRAINGER# 3C729	8
24	1	EA	48" MOTORIZED LOUVER	DAYTON	GRAINGER# 3C731	8
25	2	EA	ENCLOSURE, NI, 6 X 6 X 4	HOFFMAN	ASE6X6X4NK	7
26	1	EA	ENCLOSURE, NI, 12 X 12 X 6	HOFFMAN	ASE12X12X6NK	7
27	2	EA	WEATHERPROOF GFCI RECEPTACLE	PASS & SEYMOUR	2095TRWR1	8
28	11	EA	DUPLEX RECEPTACLE	LEVITON	CR20-1	7,12
29	6	EA	SINGLE POLE SWITCH	LEVITON	CS120-2I	7
30	11	EA	48" 40W 4-BULB FLUORESCENT	DAY-BRITE LIGHTING	QW440-120	7
31	2	EA	EMERGENCY/EXIT LIGHT	LITHONIA	LHQ1 S W 3 R	7
32	2	EA	LED EXTERIOR LIGHT W/PHOTOCELL	LITHONIA	OLW14	2,7
33	1	EA	47,000 BTU HVAC W/5KW HEAT	BARD	W48A1-A05XPXXXJ	8
34	1	EA	47,000 BTU HVAC W/5KW HEAT	BARD	W48L1-A05XPXXXJ	8
35	2	EA	SUPPLY GRILL	BARD	SG-5	
36	2	EA	RETURN GRILL	BARD	RG-5	
37	1	EA	LEADLAG	BARD	MC3000A WITH HUMIDITY	8,12
38	1	EA	ENTRY PORT, 4 X 3	MICROFLECT	BI334	8
39	1	EA	GROUND BAR KIT	HARGER	EPK12	8
40	3	EA	66 BLOCK W/AMPHENOL CONNECTOR	SIEMON	S66M12-5W	7,12
41	3	EA	AMPHENOL CABLE	ORTRONICS	OR-804025PC050-1GY	7
42	150	EA	BRIDGE CLIP	SIEMON	SAI-SS-100	7
43	1	EA	DOOR ALARM	SENTROL	I047T	7,12
44	1	EA	3070 DOOR LEVEL IV BALLISTIC	B&T		4
45	1	EA	DEADBOLT	B&T		7
46	1	EA	CORE, 7-PIN, A-TYPE	B&T		7
47	1	EA	PASSAGE LEVER SET	B&T		7
48	3	EA	NRP-SS HINGES	B&T		7
49	1	EA	MAGNETIC WEATHER STRIPPING	B&T		7
50	1	EA	NEOPRENE STYLE DOOR SWEEP	B&T		7
51	1	EA	THRESHOLD	B&T		7
52	1	EA	DOOR BUMPER	B&T		7
53	1	EA	"I" TIE BACK	B&T		7
54	1	EA	ANTI-PICK PLATE	B&T		7
55	1	EA	HYDRAULIC DOOR CLOSER	B&T		7
56	1	EA	3070 DOOR CANOPY	B&T		2,4
57	2	EA	10LB CO2 FIRE EXTINGUISHER	KIDDE	PRO10CDM	2,7
58	2	EA	20LB DRY CHEM FIRE EXTINGUISHER	KIDDE	PRO20TCM	2,7
59	1	EA	WALL POCKET	DEFLECTO	DEF6320I	7
60	1	EA	EYE WASH	NORTH	GRAINGER# 1KW19	7
61	1	EA	FIRST AID KIT	NORTH	GRAINGER# 4EY92	7
62	2	EA	NO SMOKING SIGN	BRADY	GRAINGER# 1NL67	7
63	2	EA	ELECTRO EMISSION SIGN	RICHARD TELL ASSOCIATES	TESSCO# 20379	7
64	1	EA	TELCO BOARD, 3' X 4' X 3/4", GRAY	MME II		
65	3	EA	POWER FAIL RELAY W/BASE	OMRON/DAYTON	GRAINGER# 2W921/5X852	7,12
66	50	FT	24" CABLE LADDER W/HARDWARE	CENTRAL STEEL FABRICATORS	I0024	7,13
67	10	FT	6" CABLE LADDER W/HARDWARE	CENTRAL STEEL FABRICATORS	I0006	7,13
68	1	EA	WASTE BASKET	RUBBERMAID	GRAINGER# 3U935	1,7
69	1	EA	DUST PAN	TOUGH GUY	GRAINGER# 1VAJ7	1,7
70	1	EA	BROOM	TOUGH GUY	GRAINGER# 1VAC2	1,7
71	1	EA	UTILITY HOLDER	BATTALION	GRAINGER# 4JG66	7
72	1	EA	4" WIREWAY, 5FT	B-LINE	4460 G NK	7
73	2	EA	4" WIREWAY END CAP	B-LINE	44 E NK	7
74						
75						
76						
77	0.1	EA	10FT WIREMOLD	WIREMOLD	ALA4800B-10	8
78	2	EA	8FT WIREMOLD	WIREMOLD	ALA4800B-8	8
79	6	EA	WIREMOLD END CAP	WIREMOLD	ALA4810B	8
80	16	EA	WIREMOLD BLANK COVER	WIREMOLD	ALA-BL	8
81	16	EA	WIREMOLD 4 HOLE COVER	WIREMOLD	ALA-BL (SEE E3)	8
82	2	EA	WIREMOLD 2 HOLE COVER	WIREMOLD	ALA-BL (SEE E3)	8
83	68	EA	WIREMOLD RECEPTACLE	PASS & SEYMOUR	5358	7,12
84	1	EA	30 KVA UPS			
85	1	EA	UPS BYPASS SWITCH			

MATERIALS LIST						
ITEM	QTY	UM	DESCRIPTION	MANUFACTURER	PART NUMBER	NOTE
86	1	EA	70 KW GENERATOR	CUMMINS		
87	1	EA	300A ATS, 3ø/4W, 120/208V	CUMMINS		8,12
88	2	EA	SMOKE DETECTOR WITH AUXILIARY RELAY	BRK	7010/RM4	7
89						
90						
91						
92	1	EA	4070 DOOR LEVEL IV BALLISTIC	B&T		4
93	1	EA	DEADBOLT	B&T		7
94	1	EA	CORE, 7-PIN, A-TYPE	B&T		7
95	1	EA	PASSAGE LEVER SET	B&T		7
96	3	EA	NRP-SS HINGES	B&T		7
97	1	EA	MAGNETIC WEATHER STRIPPING	B&T		7
98	1	EA	NEOPRENE STYLE DOOR SWEEP	B&T		7
99	1	EA	THRESHOLD	B&T		7
100	1	EA	DOOR BUMPER	B&T		7
101	1	EA	"I" TIE BACK	B&T		7
102	1	EA	ANTI-PICK PLATE	B&T		7
103	1	EA	HYDRAULIC DOOR CLOSER	B&T		7
104	1	EA	4070 DOOR CANOPY	B&T		2,4
105	1	EA	44" RAIN HOOD	B&T		2,4
106	1	EA	56" RAIN HOOD	B&T		2,4
107	1	EA	6" WIREWAY, 1FT	B-LINE	6612 G NK	7
108	2	EA	6" WIREWAY END CAP	B-LINE	66 E NK	7
109	1	EA	BAIT WIRE SYSTEM			
110						
111						
112	3	EA	GROUND STRAP BARS			1
113	3	EA	GROUND STRAP COVERS			1
114	60	EA	RIVETS			1
115	8	EA	LIFTING LUGS			1
116	4	EA	TIE DOWN PLATES			1
117	16	EA	TIE DOWN BOLTS			1
118	16	EA	BLACK PLASTIC BASE PLUGS			1
119	10	EA	FLOOR TILES			1
120	1	EA	TUBE OF BRILLIANT WHITE CAULK			1
121	4	EA	TUBES OF BEIGE DYMONIC CAULK			1
122	1	EA	PINT CAN OF TELECOM BROWN PAINT			1
123	1	EA	PINT CAN OF ELASTOMERIC COARSE PAINT			1
124	35	EA	1/8" SHIMS FOR SHELTER SET			1
125	35	EA	1/4" SHIMS FOR SHELTER SET			1

MATERIAL LIST NOTES:					
1. SHIP LOOSE					
2. PREINSTALL REMOVE FOR SHIPMENT					
3. FABRICATED ITEM					
4. PAINT - TELECOM BROWN					
5. PAINT - TELECOM GRAY					
6. PAINT - COLOR DESIGNATED					
7. OR EQUIVALENT					
8. NO SUBSTITUTIONS ALLOWED					
9. NO PART NUMBER SPECIFIED					
10. MAY BE DELIVERED AT SIGHT					
11. PROVIDED BY OTHERS					
12. LABEL					
13. QUANTITY ESTIMATED					

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MOBILE MODULAR

EXPRESS II

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Mobile Office Trailers & Modular Buildings

MOTOROLA MSB

11'-8" X 34'-0" SHELTER

MATERIALS LIST

PROJECT NAME:

DC OUC

DRAWING NUMBER:

MME2146

STAMPS AND SEALS

DATE: 3/6/14

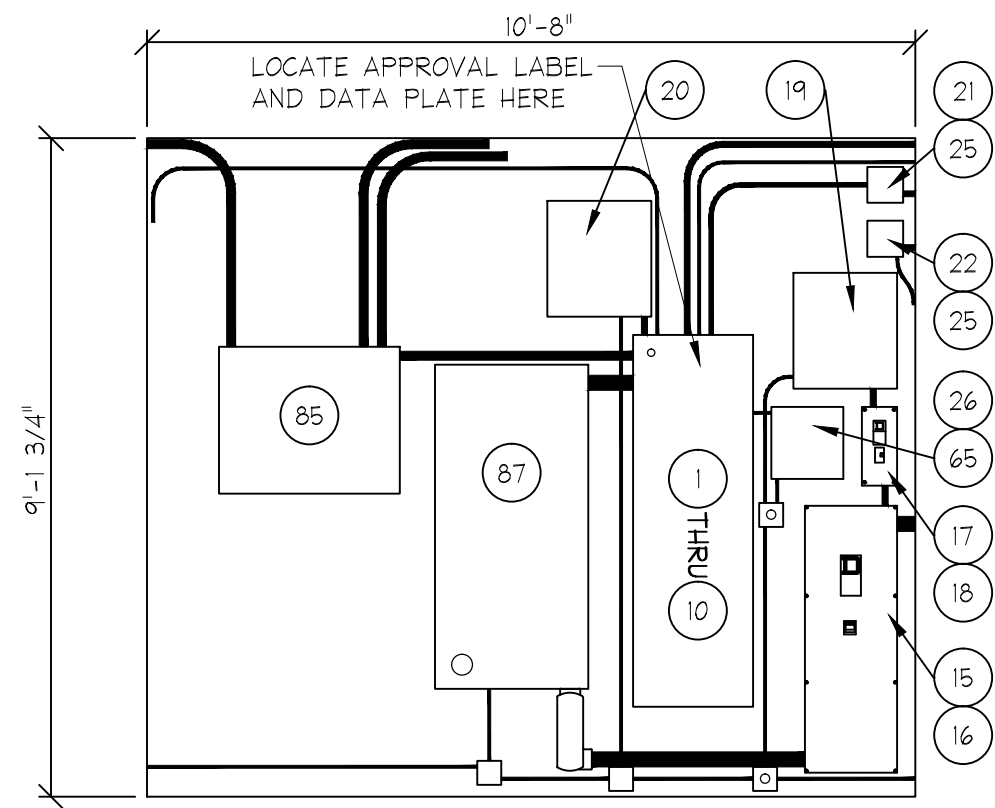
SALES MANAGER: D. Bagg

DRAWN BY: J. Wagner

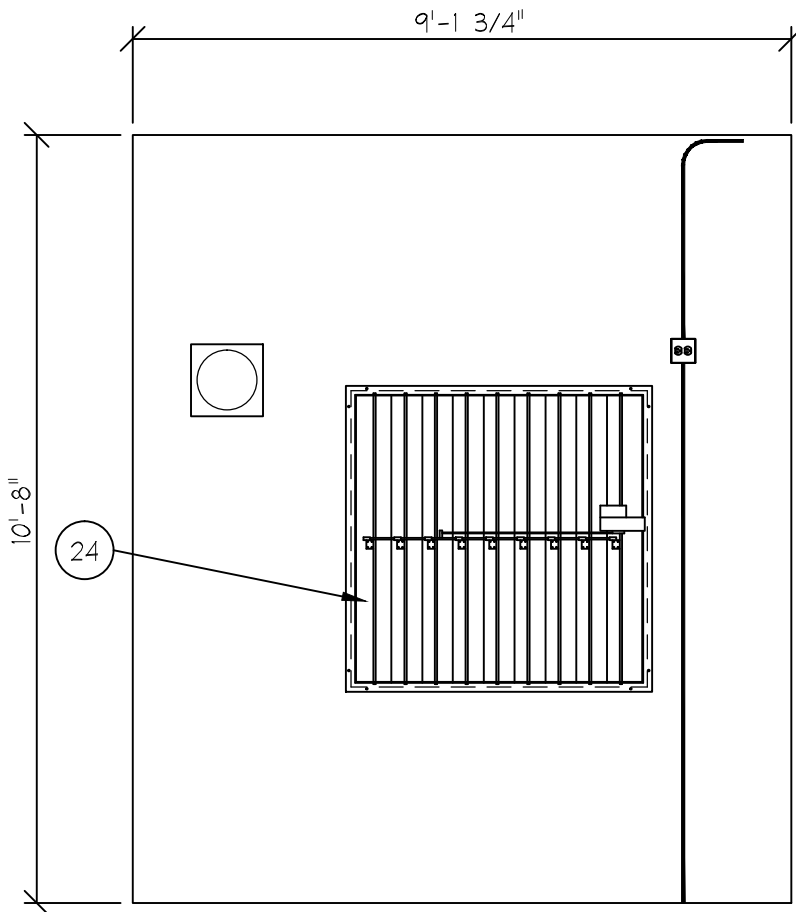
SERIAL NUMBER: -

SCALE ~ 24X36: NONE

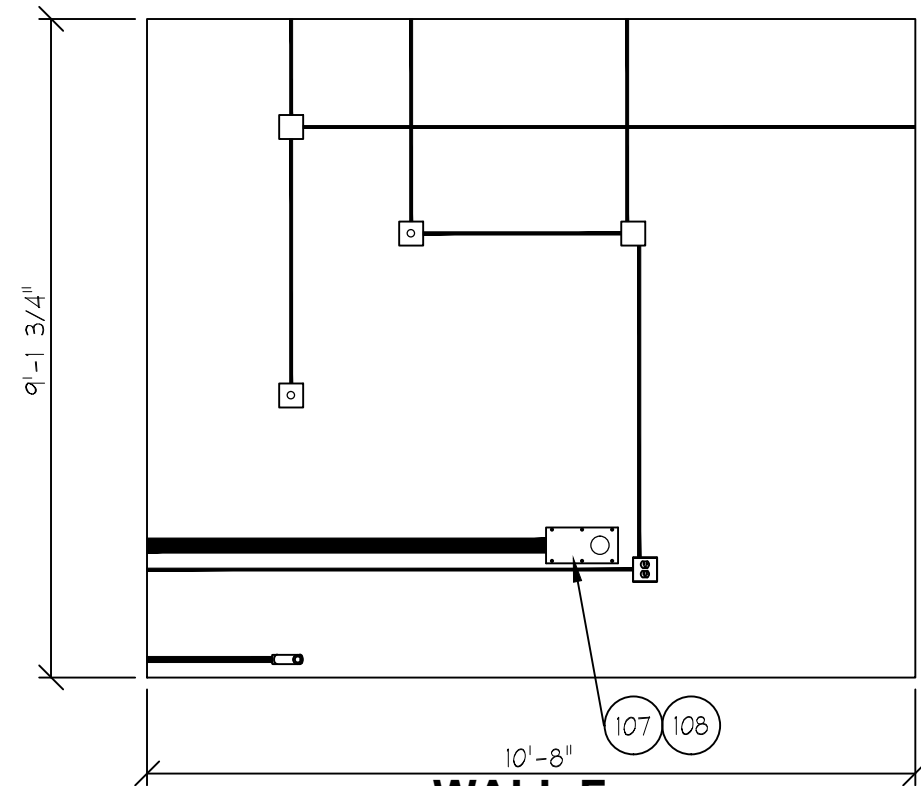
SHEET: C2



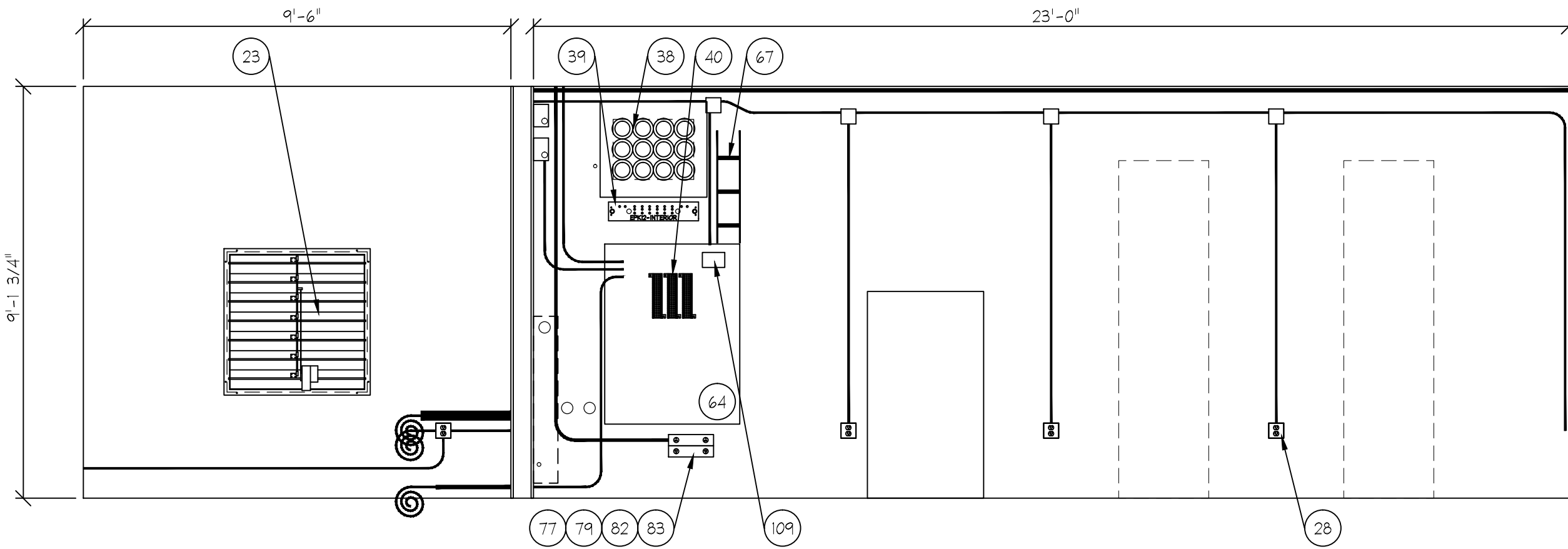
WALL E



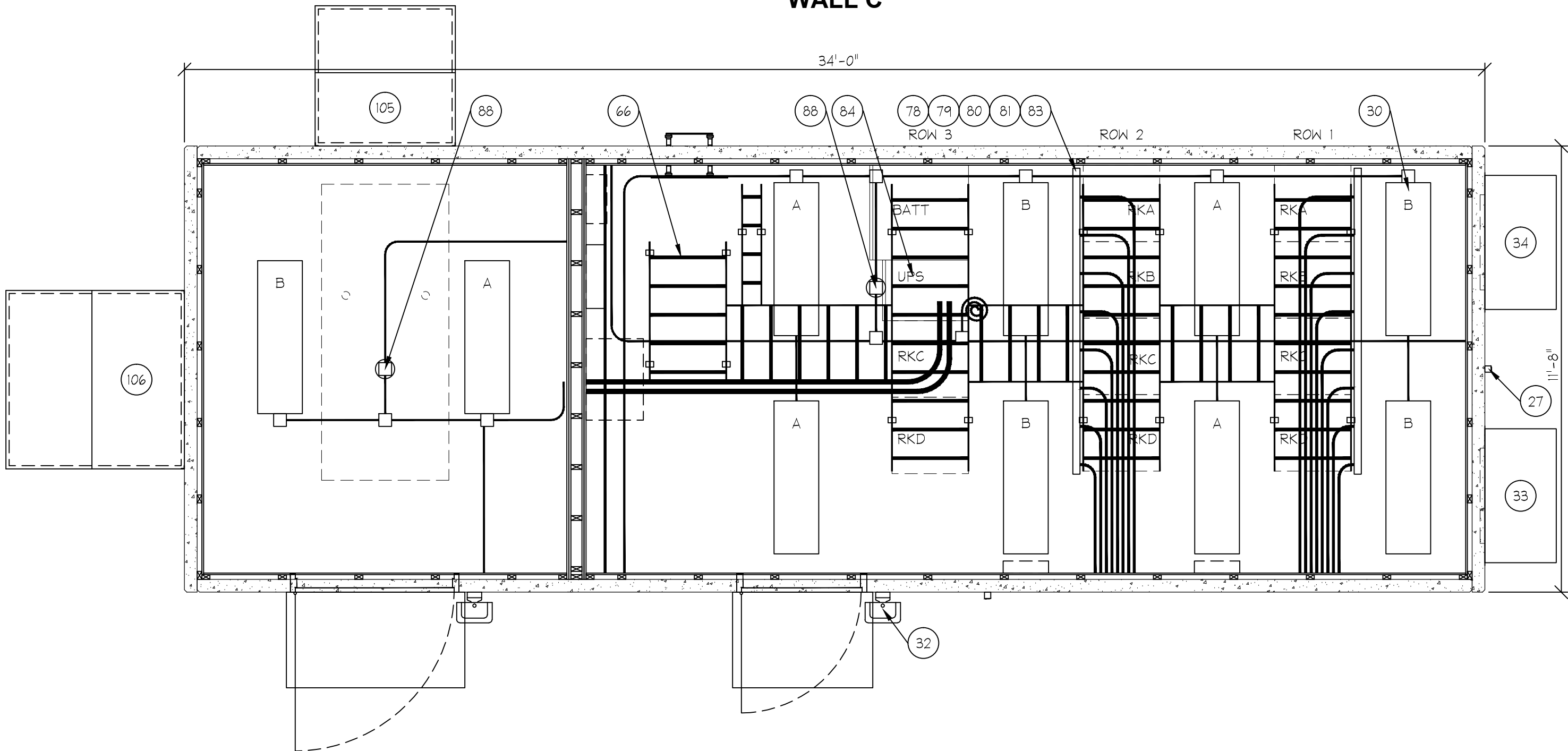
WALL D



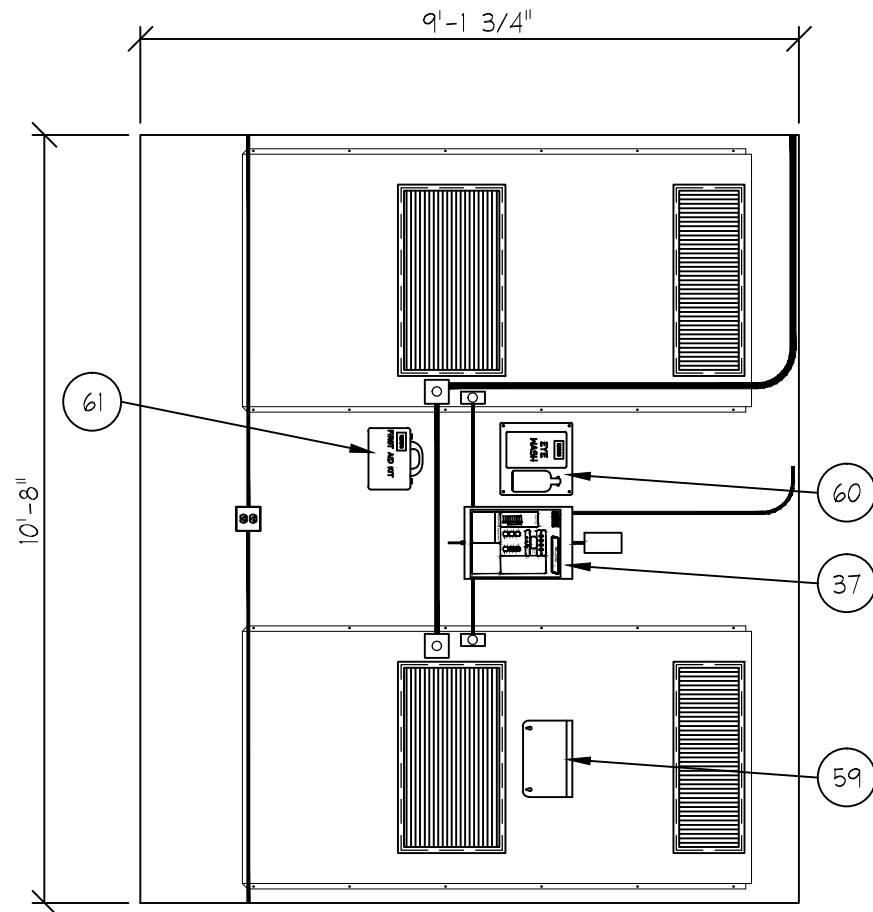
WALL F



WALL C



WALL A



WALL B

FLOOR PLAN
SCALE: 3/8"=1'-0"

COMMERCIAL POWER:

120/208VAC, 300AMP THREE PHASE SERVICE.

CONDUIT RUNS:

1. ALL CONDUIT RUNS TO BE 1/2" EMT UNLESS STATED OTHERWISE.
2. ALL CONDUIT RUNS TERMINATING AT SERVICE ENTRANCE EQUIPMENT SHALL CONTAIN BONDED BUSHINGS.
3. WIREMAN'S CARRYING 3 OR MORE CURRENT CARRYING CONDUCTORS SHALL BE DERATED PER TABLE 310-15(B)(2)(A) OF APPLICABLE EDITION OF THE NEC.
4. CONDUIT FILL IS BASED ON CHAPTER 9, APPENDIX C OF THE NEC.

CABLE LADDER:

1. CABLE LADDER IS TO BE 8'-0" A.F.F. AND INSTALLED IN ACCORDANCE WITH ARTICLE 392 OF THE NEC LEVEL TO WITHIN 1/8" IN 10' OR SIMILAR.

GROUNDING:

1. ALL GROUNDING EXCEPT FOR CABLE LADDER TO CONFORM TO ARTICLE 250 OF THE NEC.
2. CABLE LADDER GROUNDING TO CONFORM TO ARTICLE 392.7 OF THE NEC.

GENERAL NOTES:

1. LABEL FACE OF ALL ELECTRICAL EQUIPMENT WITH PHENOLIC LABELS, BLACK WITH WHITE LETTERS. EXTERNAL BYPASS, TI, SDI, & LAI. EXCEPTION SHALL BE ALL UPS EQUIPMENT SHALL HAVE PHENOLIC LABELS RED WITH WHITE LETTERS. EX: UPS1P1, UPSI, WIREMOLD RECEPTACLES.
2. CONNECT ALARMS TO UPS WITH A DB25 PIN CONNECTOR.
3. COIL AND TAG 12' OF #10 WIRE FOR CIRCUITS, PPI-14 & 16.
4. COIL 12' OF ALARM WIRE FOR TOWER LIGHT ALARM. TBI-25 & 26.
5. EMERGENCY SHUTOFF VALVES AND FUSIBLE ELEMENTS SET TO BREAK AT 250" TO BE INSTALLED AS REQUIRED BY NFPA 58 CHAPTER 10 ON SITE BY OTHERS.

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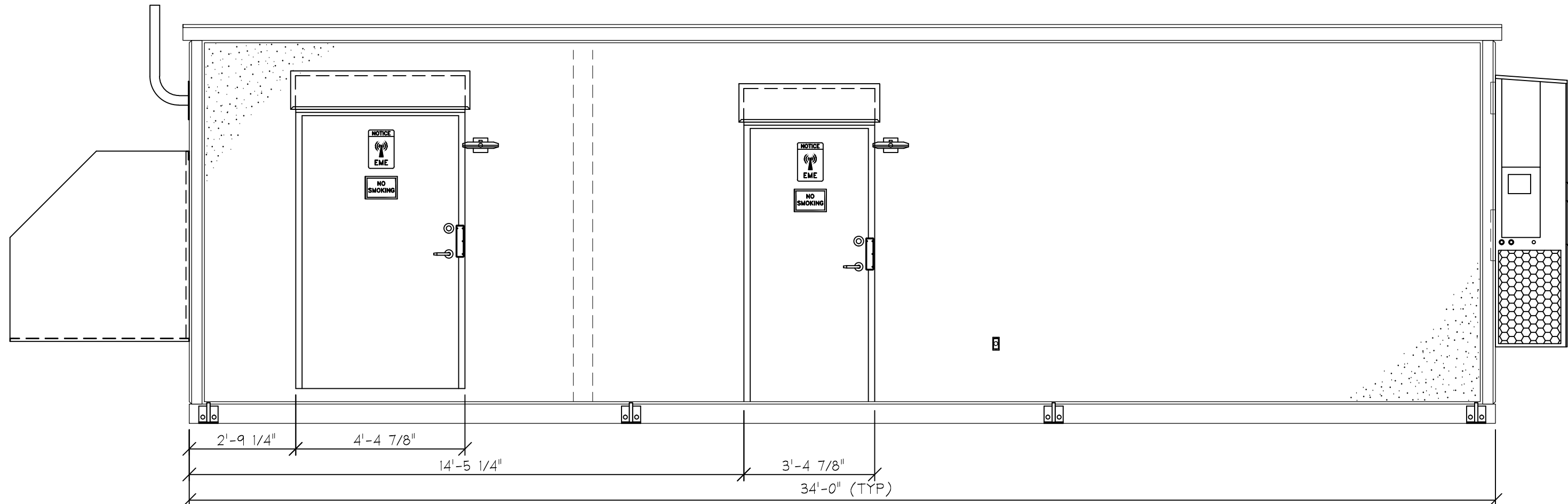
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EXPRESS II
Mobile Office Trailers & Modular Buildings

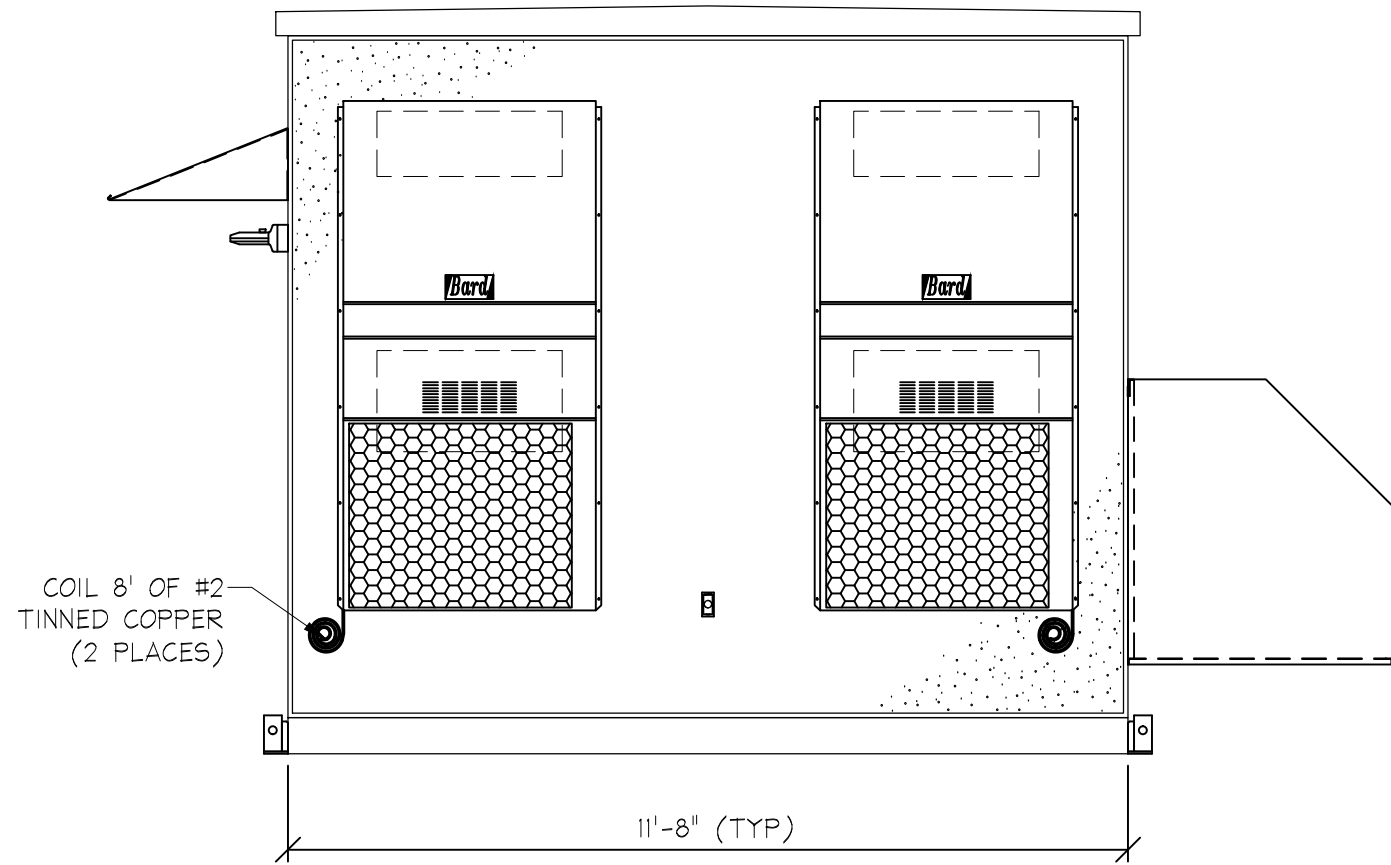
MOTOROLA MSB
11'-8" X 34'-0" SHELTER

PROJECT NAME: DC OUC
DRAWING NUMBER: MME2146

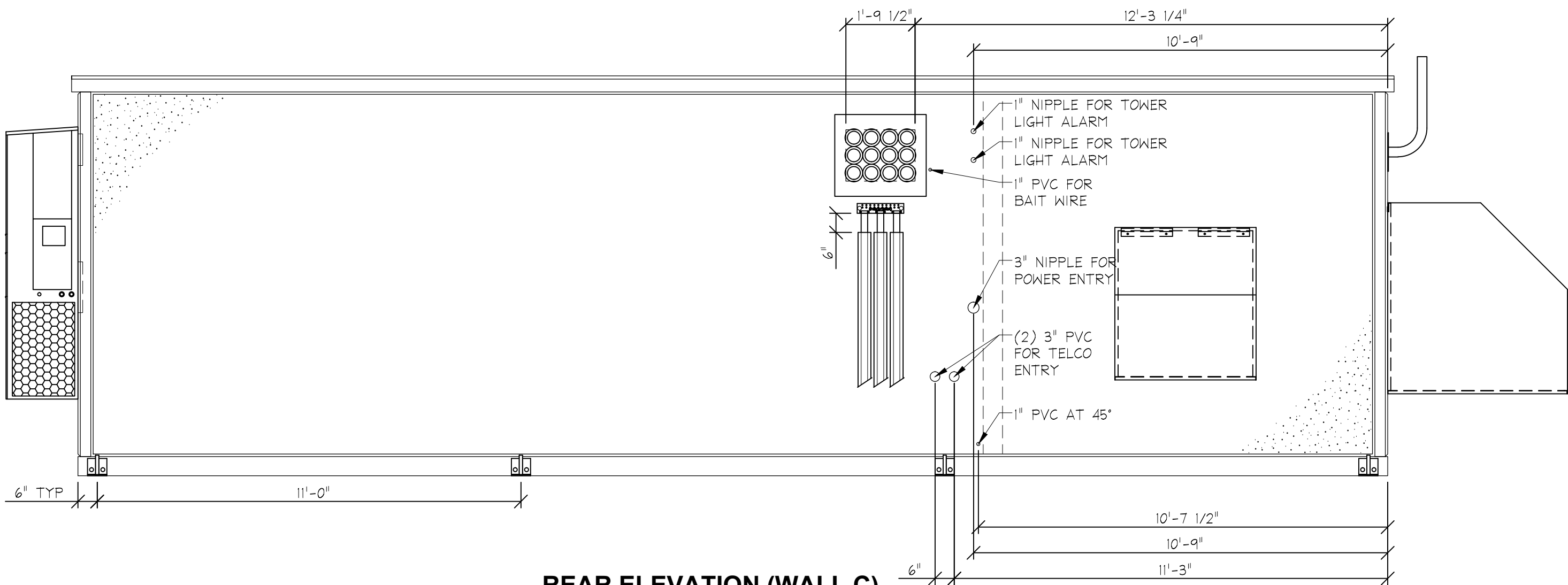
DATE: 3/6/14
SALES MANAGER: D. Bagg
DRAWN BY: J. Wagner
SERIAL NUMBER: -
SCALE ~ 24X36:
SHEET:



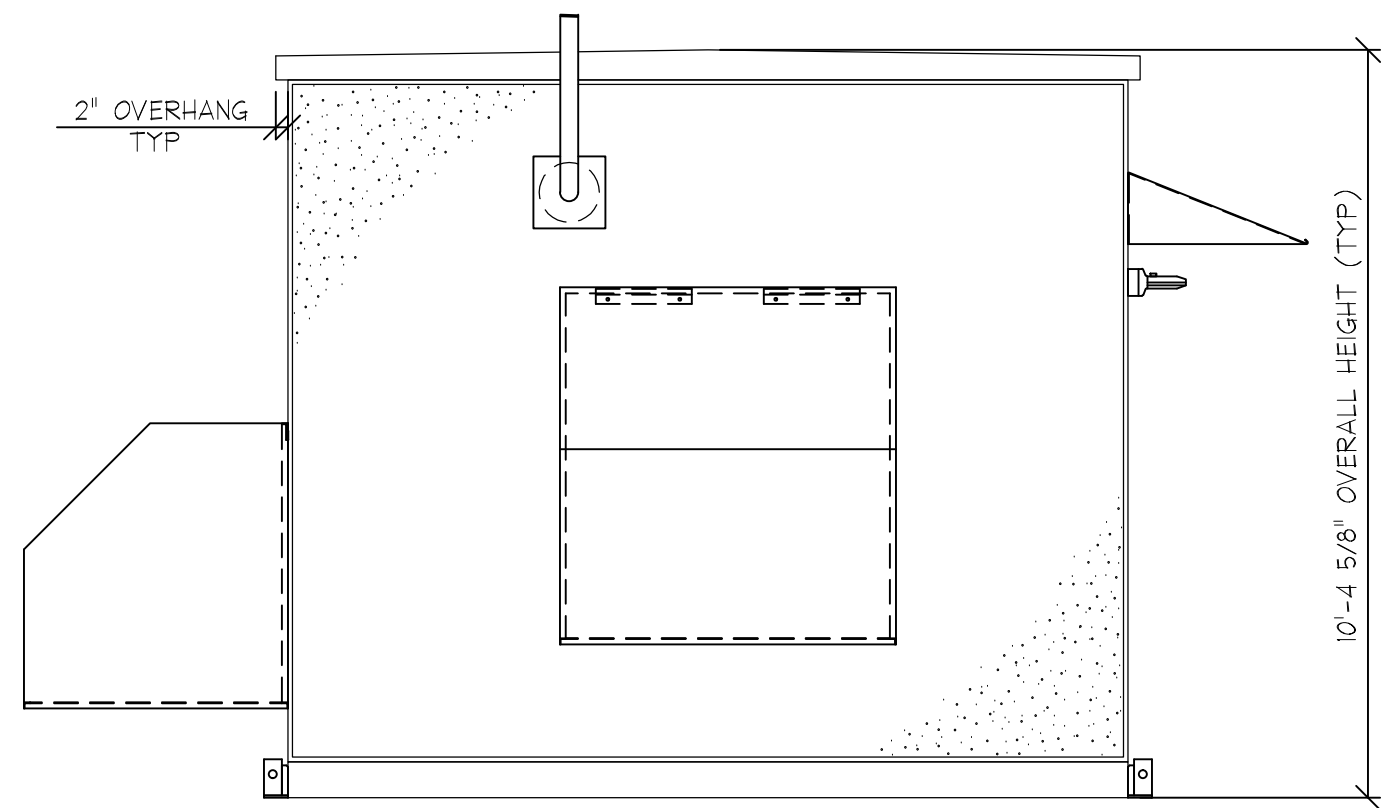
FRONT ELEVATION (WALL A)
SCALE: NONE



RIGHT ELEVATION (WALL B)
SCALE: NONE



REAR ELEVATION (WALL C)
SCALE: NONE



LEFT ELEVATION (WALL D)
SCALE: NONE

EXTERIOR FINISH SCHEDULE			
ITEM	SURFACE	FINISH	PAINT COLOR
ROOF	TROWELED SMOOTH	SEALED, ELASTOMERIC COURSE PAINT	TELECOM BROWN
WALLS	EXPOSED WASHED AGGREGATE	OKITE STAIN (2 COATS)	-
DOORS	STEEL, RATED	PAINT	TELECOM BROWN
JOINTS	AS FINISHED	SEALED PER DETAILS SHEET	TELECOM BROWN

ELEVATION NOTES:

- SEE MATERIALS LIST FOR SHIPPED LOOSE ITEMS.
- SEE MATERIALS LIST FOR DOOR HARDWARE.

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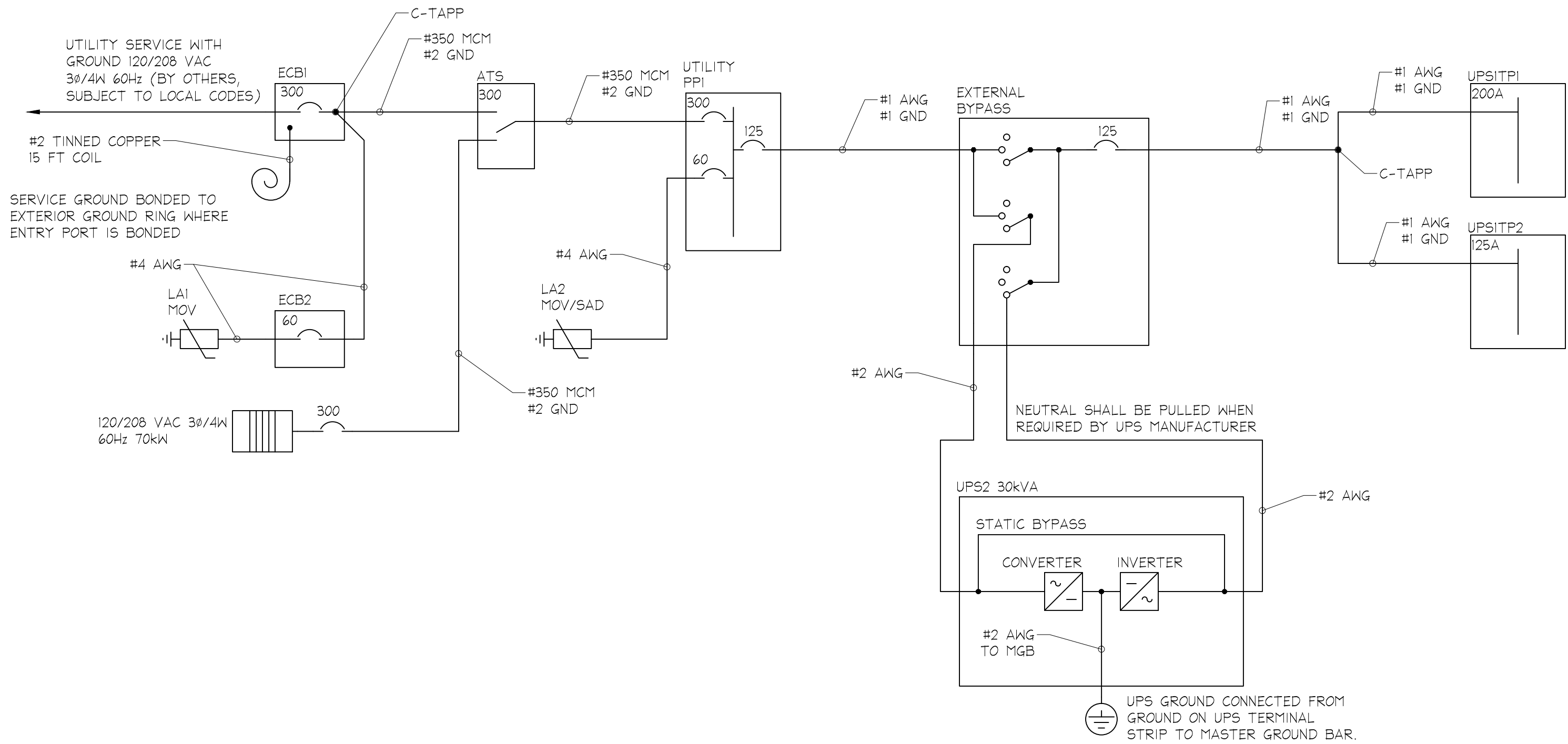
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MOBILE MODULAR
EXPRESS II
Mobile Office Trailers & Modular Buildings

MOTOROLA MSB
11'-8" X 34'-0" SHELTER
ELEVATIONS

PROJECT NAME: DC OUC
DRAWING NUMBER: MME2146

DATE: 3/6/14
SALES MANAGER: D. Bagg
DRAWN BY: J. Wagner
SERIAL NUMBER: -
SCALE ~ 24X36: NONE
SHEET: A2



ONE-LINE WIRING DIAGRAM
SCALE: NONE

- ONE-LINE DIAGRAM NOTES:**
1. ALL GROUNDING TO CONFORM TO ARTICLE 250 OF THE NEC
 2. WIREWAYS CARRYING 3 OR MORE CURRENT CARRYING CONDUCTORS SHALL BE DERATED PER TABLE 310-15(B)(2)(A) OF THE APPLICABLE EDITION OF THE NEC
 3. CONDUIT FILL IS BASED ON CHAPTER 9, APPENDIX C OF THE NEC
 4. INCLUDE THE NEUTRAL TO GROUND BOND SCREW TO BE DONE ON SITE BY OTHERS.

SCHEMATIC LEGEND	
	LUGGED LOAD CENTER
	LOAD CENTER WITH BREAKER
	TRANSFER SWITCH
	GENERATOR
	SURGE ARRESTOR
	PIG TAIL GROUND
	3 POSITION SWITCH
	CIRCUIT BREAKER
	INVERTER
	CONVERTER
	GROUND
	CONNECTION
	ON SITE BY OTHERS
	ELECTRICAL EQUIPMENT

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MOBILE MODULAR
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MOTOROLA MSB
11'-8" X 34'-0" SHELTER

ELECTRICAL SCHEMATICS

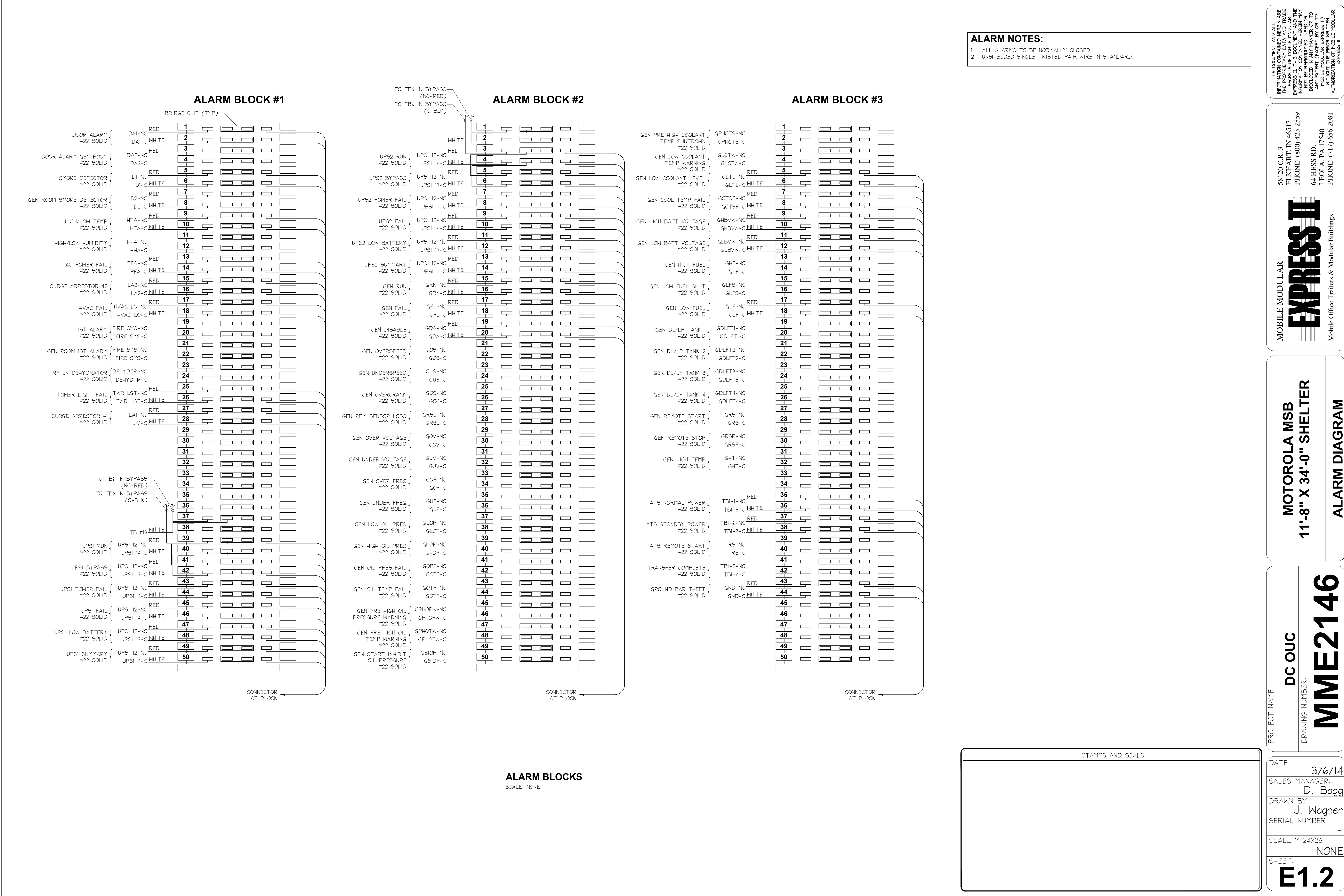
PROJECT NAME:
DC OUC

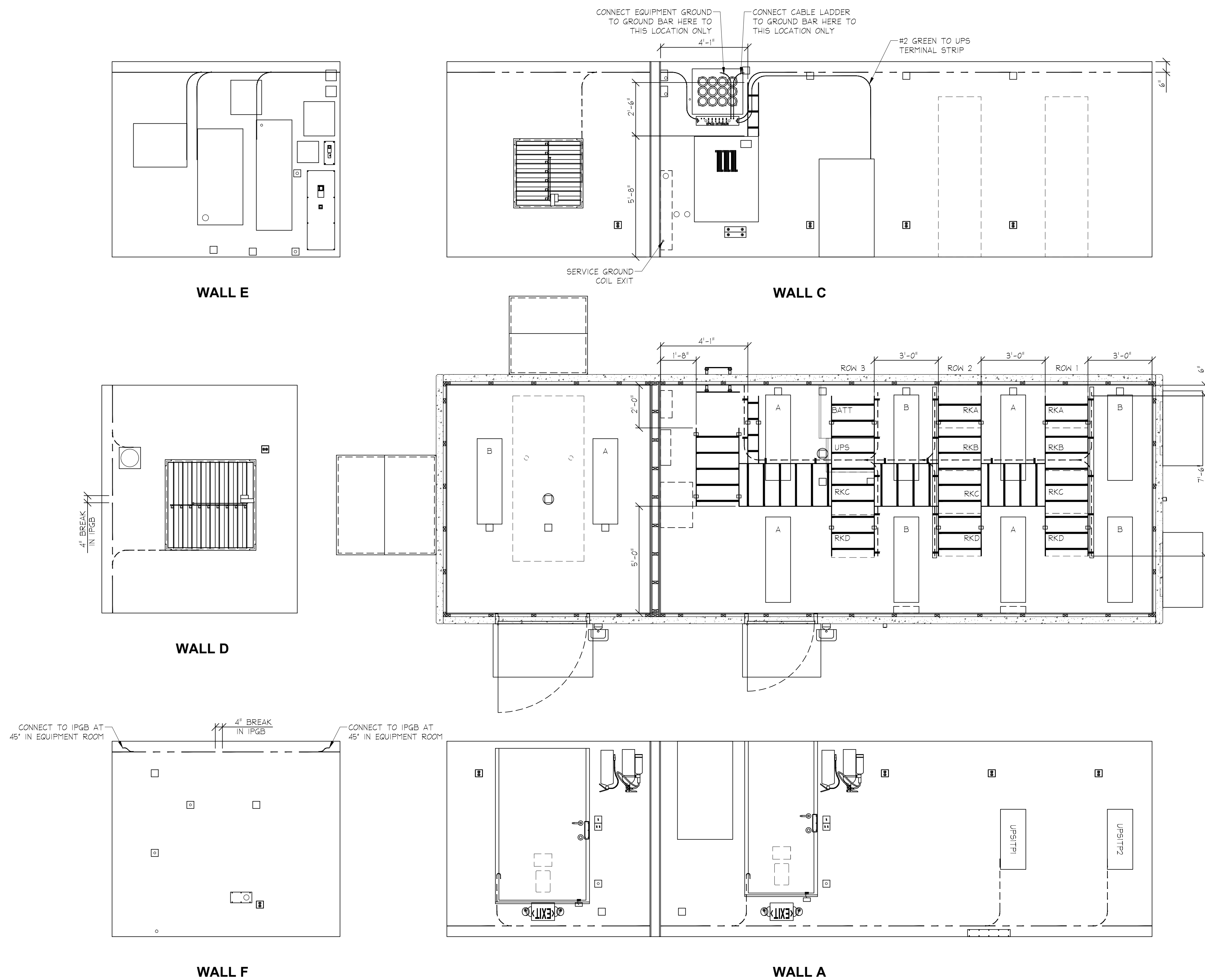
DRAWING NUMBER:

MME2146

DATE: 3/6/14
SALES MANAGER: D. Bagg
DRAWN BY: J. Wagner
SERIAL NUMBER: -
SCALE ~ 24X36: NONE
SHEET: E1

PP1 300A, 120/208VAC, 3ϕ/4W, 60HZ, M.BKR																									
LOAD	VOLT AMPS			WIRE			BREAKER						BREAKER		WIRE		VOLT AMPS			LOAD					
	A	B	C			P		TRIP				TRIP	P			A	B	C							
UPSI FEED	10000						1							2		60				SURGE ARRESTOR					
		10000		1	3	125	3				4	60	3	4		60									
			10000				5				6							60							
HVAC #1	3300						7				8					3300				HVAC #2					
		3300		8	2	40	9				10	40	2	8			3300								
LIGHTS INT & EXT *			2170	12	1	20	11				12	30	1	10			250			TOWER LIGHT					
POWER FAIL	120						13				14	30	1	10		250				TOWER LIGHT					
		120		12	3	15	15				16	15	1	12		120				GEN RM SMOKE					
			120				17				18	20	1	12			1260			RECEPTACLES					
SPARE					1	20	19				20	20	1	12		720				GEN RM RECEPTS					
BAIT WIRE		180		12	1	20	21				22	20	1	12											
GEN RM LIGHTS			970	12	1	20	23				24	20	1	12				360		RECEPTACLE GFCI					
SMOKE DETECTOR	120			12	1	15	25				26	20	1	12		120				BLOCK HEATER ***					
							27				28	20	1	12			120			BATT. CHARGER ***					
							29				30														
							31				32														
							33				34														
							35				36														
							37				38														
							39				40														
							41				42														
VA PER PHASE	13540	13600	13260													4450	3600	1930	VA PER PHASE						
																17990	17200	15190	TOTAL VA PER PHASE						
																150	143	127	AMPS PER PHASE						
																						TOTAL KVA			
																						AMPS X 110%			





CABLE LADDER:

1. CABLE LADDER IS TO BE 8'-0" A.F.F. AND INSTALLED IN ACCORDANCE WITH ARTICLE 392 OF THE NEC LEVEL TO WITHIN 1/8" IN 10' OR SIMILAR.

GROUNDING:

1. ALL GROUNDING EXCEPT FOR CABLE LADDER TO CONFORM TO ARTICLE 250 OF THE NEC.
2. CABLE LADDER GROUNDING TO CONFORM TO ARTICLE 392.7 OF THE NEC.

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EXPRESS I

Mobile Office Trailers & Modular Buildings

**MOTOROLA MSB
11'-8" X 34'-0" SHELTER**

GROUNDING LAYOUT

vii

DC OUC

DRAWING NUMBER:

MME2146

DATE: _____

3/6/14

SALES MANAGER:

D. Bagg

DRAWN BY:

J. Wagner
SERIAL NUMBER:

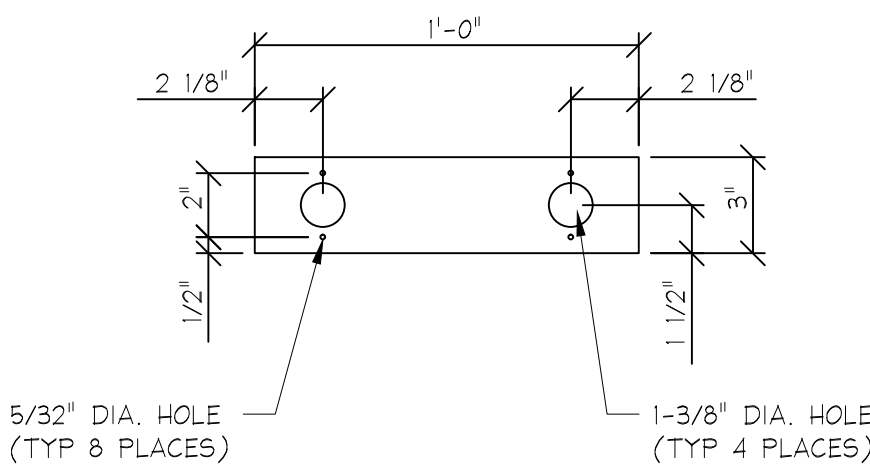
SCALE ~ 24X36:

NONE

SHEET:

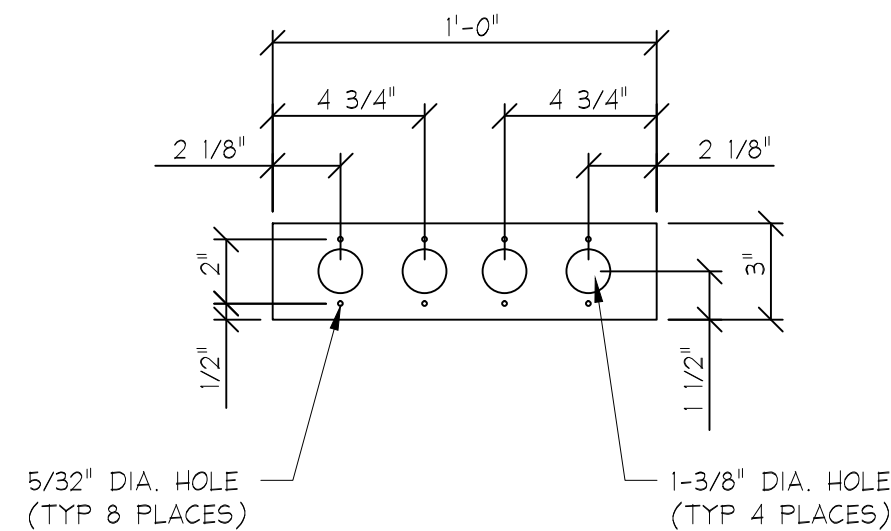
E2

STAMPS AND SEALS



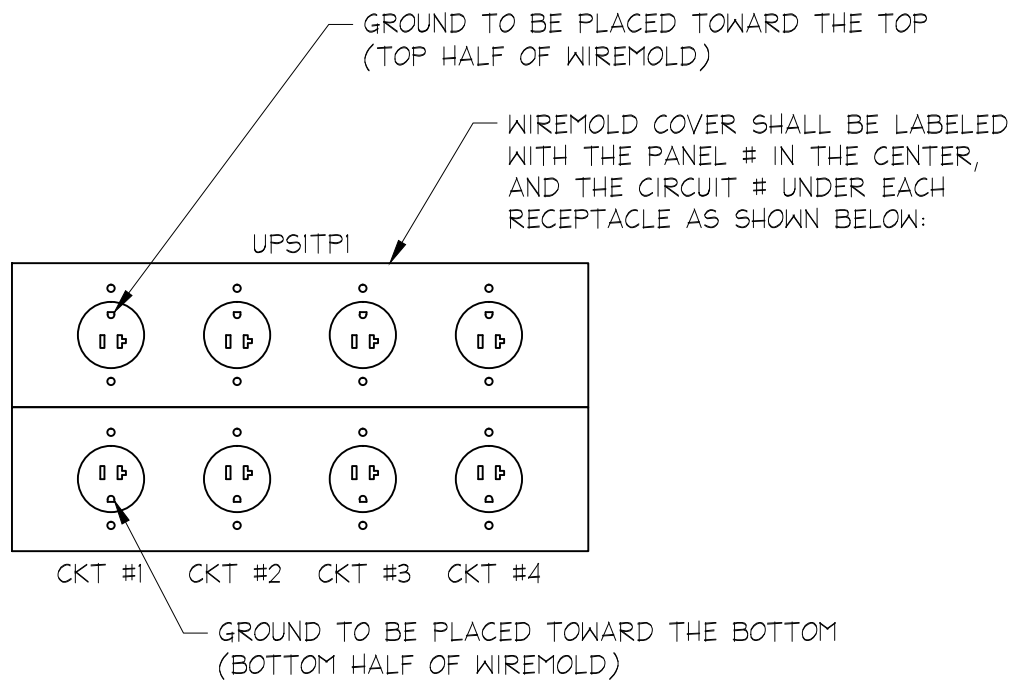
1 WIREMOLD SIMPLEX COVER
SCALE: NONE

2 EACH REQUIRED

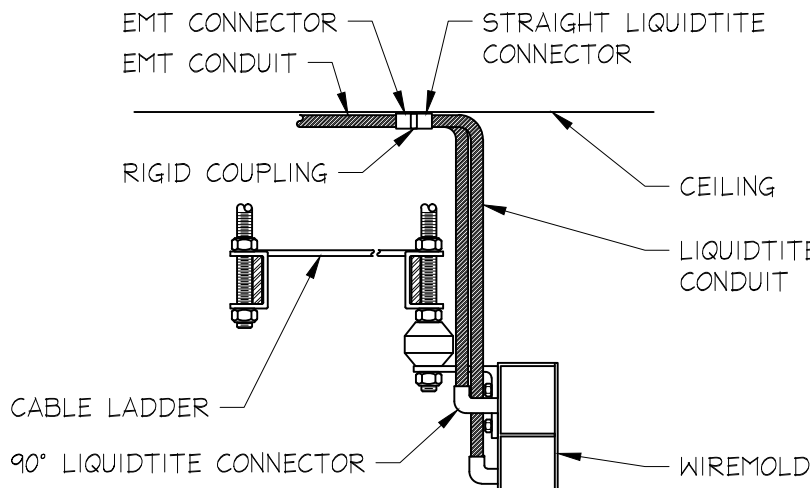


2 WIREMOLD SIMPLEX COVER
SCALE: NONE

16 EACH REQUIRED

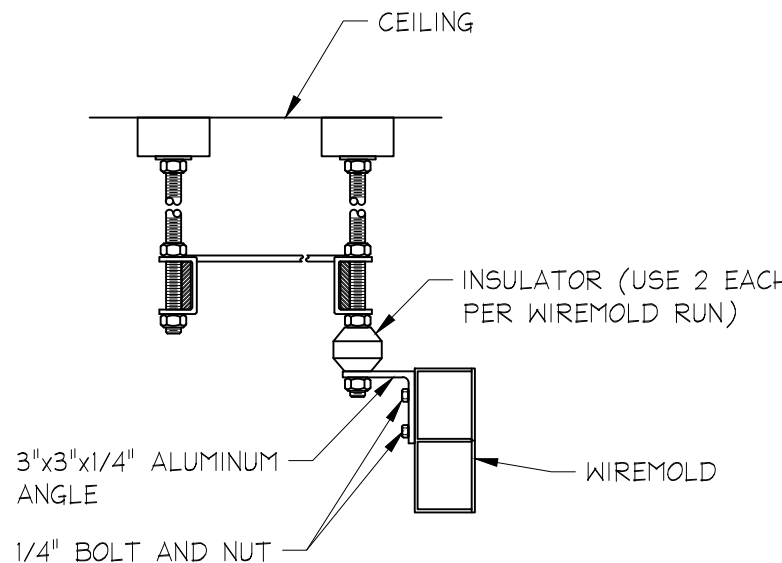


3 SIMPLEX RECEPTACLE ORIENTATION
SCALE: NONE



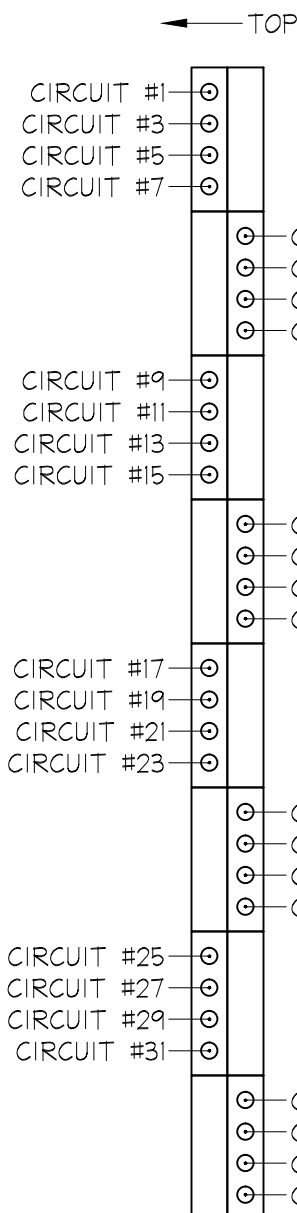
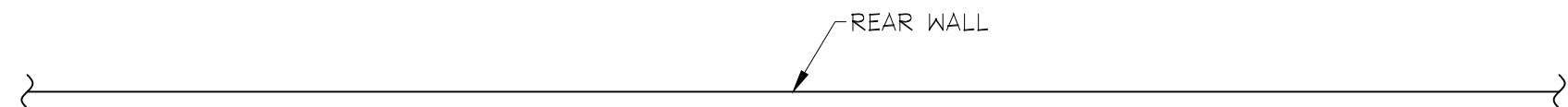
4 WIREMOLD CONNECTION
SCALE: NONE

(DO NOT RUN CONDUITS THROUGH CABLE LADDER)
(CONDUIT SHALL LINE-UP WITH BLANK COVER PLATE)

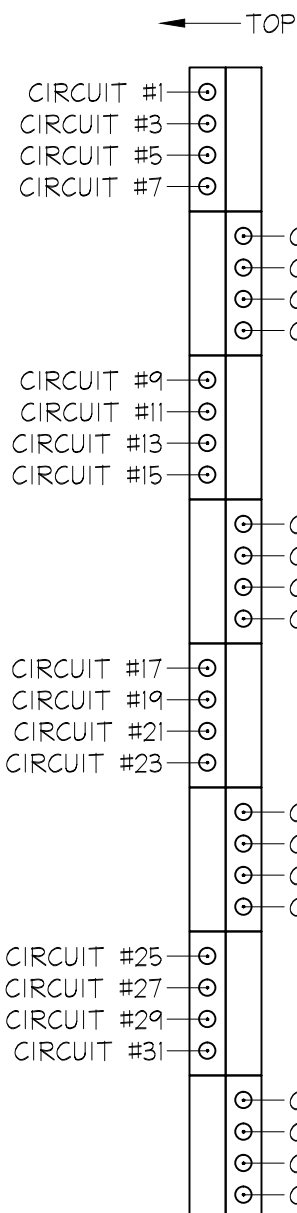


5 WIREMOLD INSTALLATION DETAIL
SCALE: NONE

INSULATORS SHALL BE PLACED AS
CLOSE TO CABLE LADDER AS POSSIBLE



UPSITP1
ROW 2



UPSITP2
ROW 3

WIREMOLD CIRCUIT LOCATION

SCALE: NONE

RECEPTABLES TO BE PLACED ON REAR SIDE OF EQUIPMENT.
ODD CIRCUIT NUMBERS TO BE ON TOP HALF OF WIREMOLD.

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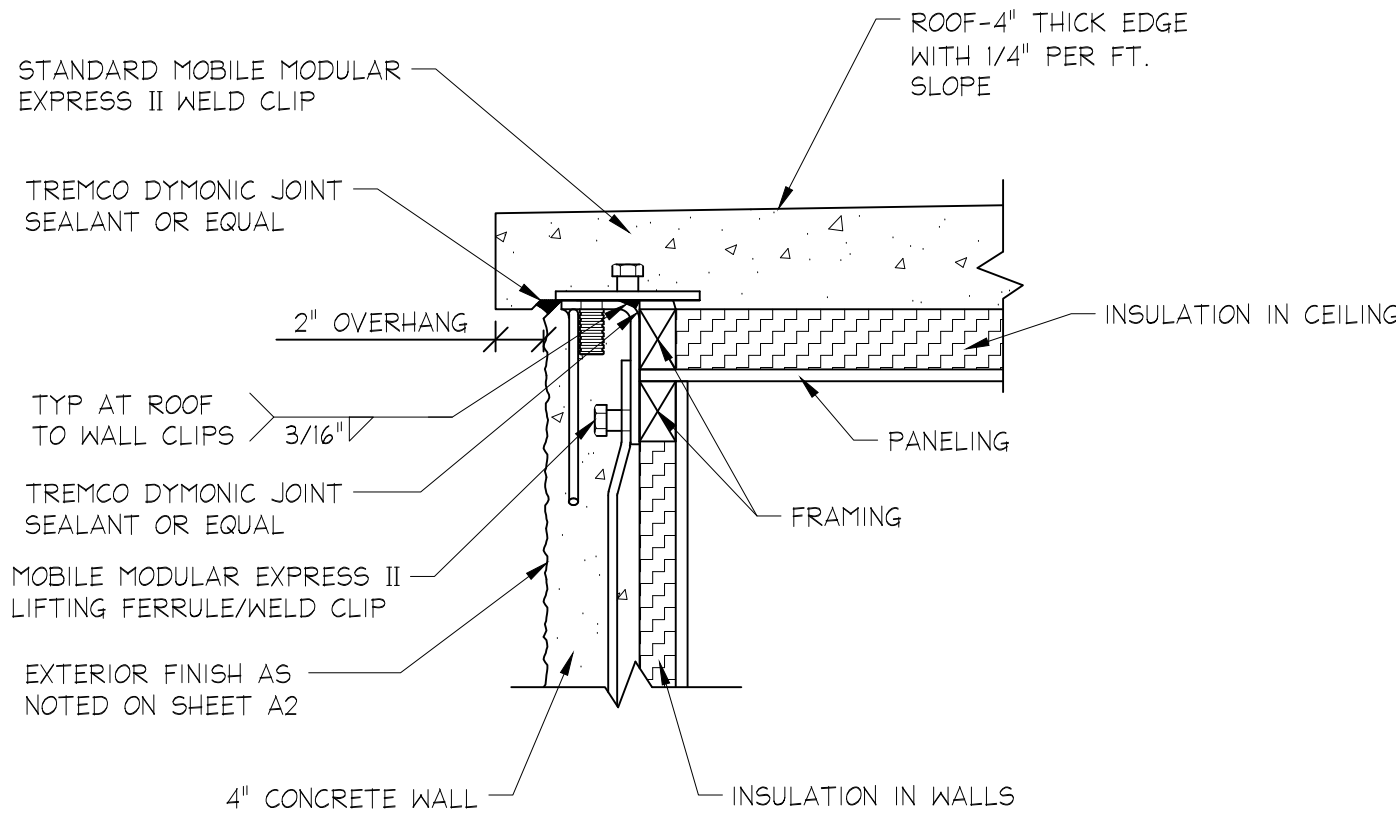
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MOBILE MODULAR
EXPRESS II
Mobile Office Trailers & Modular Buildings

MOTOROLA MSB
11'-8" X 34'-0" SHELTER
WIREMOLD

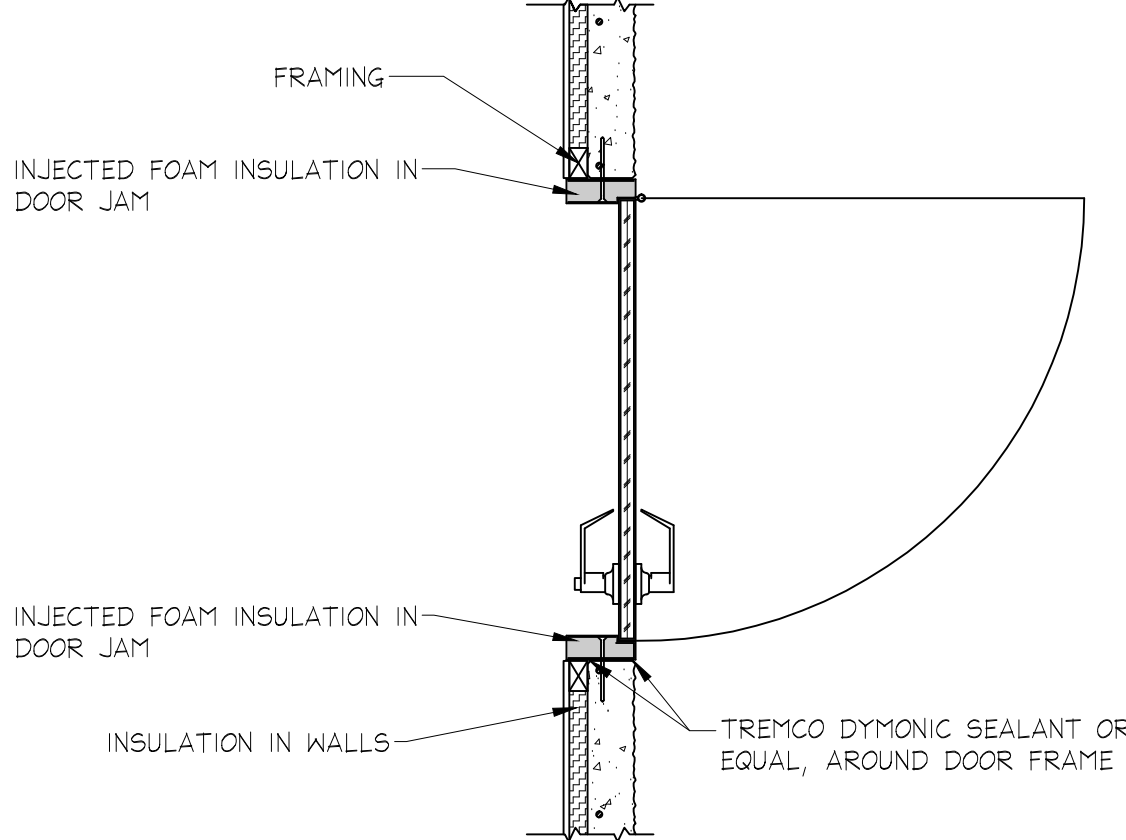
PROJECT NAME: DC OUC
DRAWING NUMBER: MME2146

DATE: 3/6/14
SALES MANAGER: D. Bagg
DRAWN BY: J. Wagner
SERIAL NUMBER: -
SCALE ~ 24X36: NONE
SHEET: E3



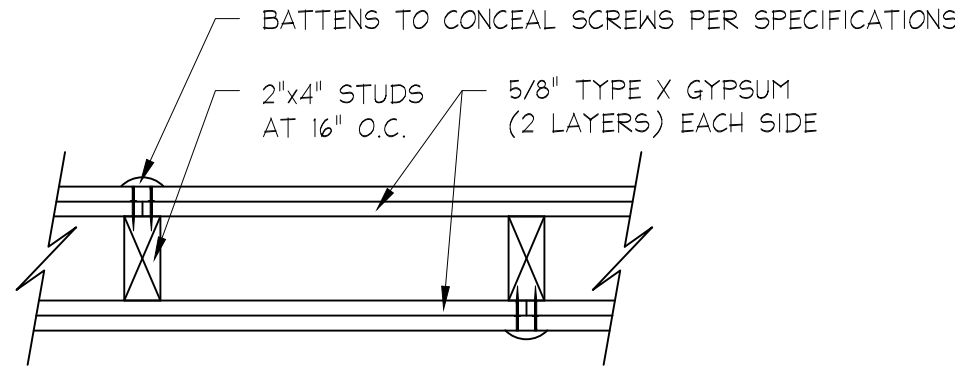
2 TYPICAL ROOF TO WALL SECTION DETAIL

SCALE: 1-1/2" = 1'-0"



4 TYPICAL DOOR SECTION DETAIL

SCALE: 3/4" = 1'-0"



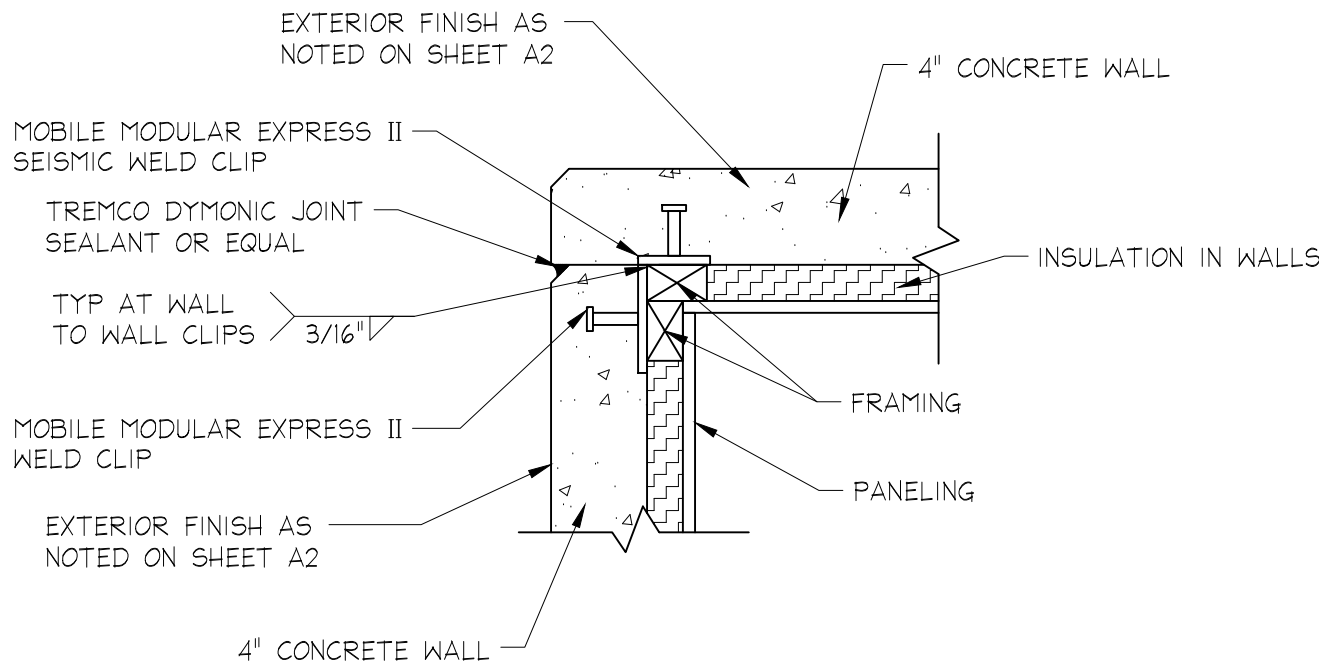
THICKNESS: 6 1/8"
APPROXIMATE WEIGHT: 12 PSF
FIRE TEST: SKRI 01-5920-614, 12-5-94
SOUND TEST: NGC 2363, 4-1-70

5 2 HOUR INTERIOR WALL CONSTRUCTION DETAIL
GA FILE WP NO. 4136

SCALE: 1-1/2" = 1'-0"

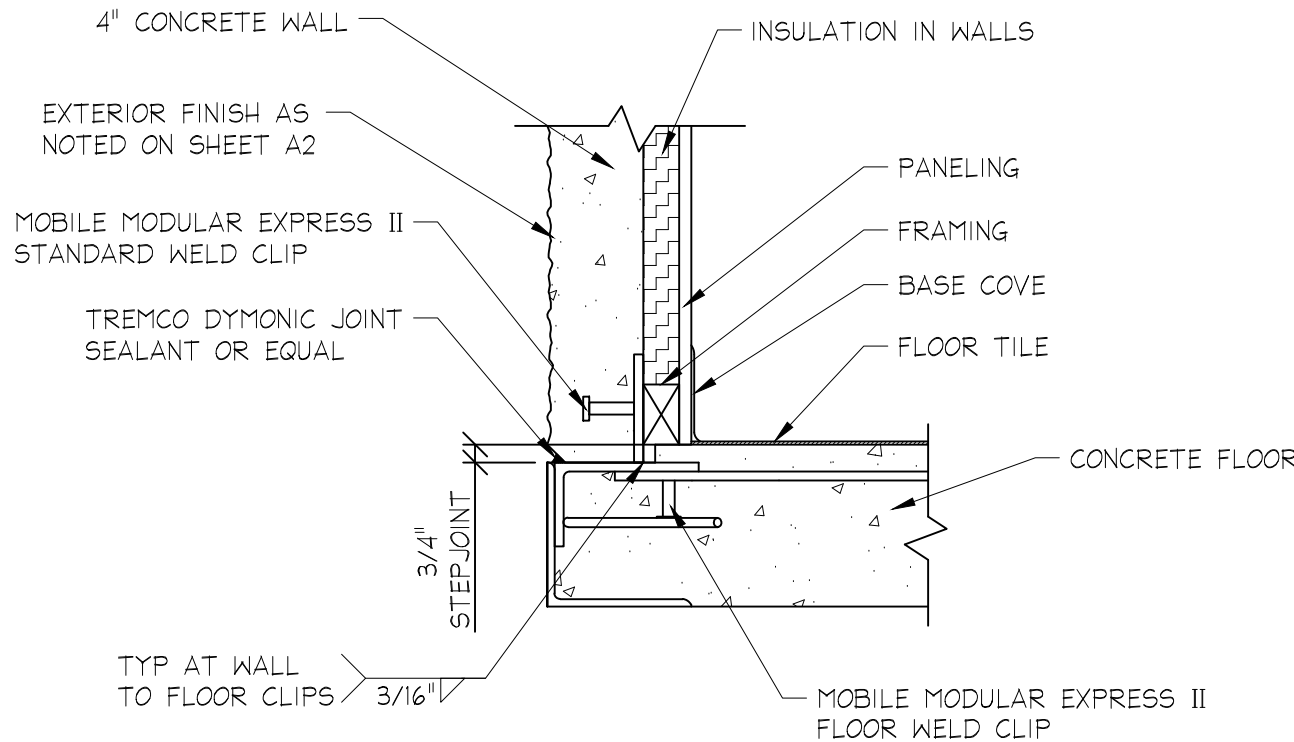
NOTE:

BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2 X 4 WOOD STUDS 16" O.C. WITH 1 1/4" TYPE W DRYWALL SCREWS 12" O.C. FACE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE WITH 1 7/8" TYPE W DRYWALL SCREWS 12" O.C. AND OFFSET 6" FROM SCREWS IN BASE LAYER. JOINTS STAGGERED 16" EACH LAYER AND SIDE. (LOAD-BEARING)



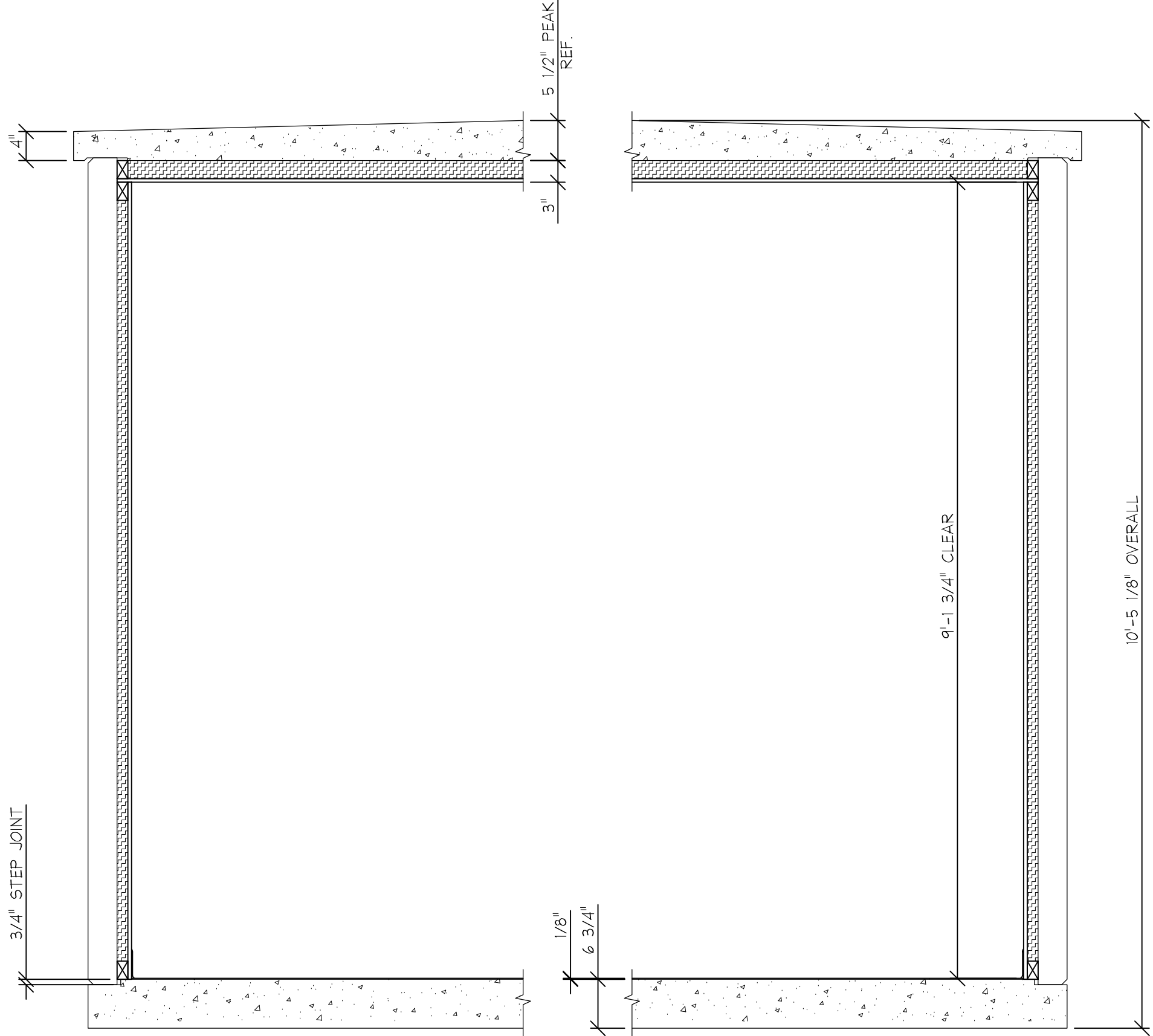
3 TYPICAL WALL TO WALL SECTION DETAIL

SCALE: 1-1/2" = 1'-0"



1 TYPICAL WALL TO FLOOR SECTION

SCALE: 1-1/2" = 1'-0"



BUILDING SECTION

SCALE: 3/4" = 1'-0"

CROSS SECTION NOTES:

1. FLOORS ARE TO BE WAXED AND SEALED BEFORE SHIPPING.

CONSTRUCTION MATERIALS:

INTERIOR FINISH:

- FLOOR: 1/8" X 12" X 12" VINYL TILE WITH 4" BASE COVE
- WALLS: 1/2" FRP COVERED PANELING (CLASS 'C' MINIMUM)
- CEILING: 1/2" FRP COVERED PANELING (CLASS 'C' MINIMUM)

INSULATION:

- WALLS: 1 1/2" THERMAX FOAM INSULATION (R-11) NER-681
- CEILING: 2 1/2" THERMAX FOAM INSULATION (R-19) NER-681

FRAMING:

- WALLS: 2" X 3" FURRING STRIPS ON SIDE AT 24" O.C.
- CEILING: 2" X 3" FURRING STRIPS ON END AT 24" O.C.

CONCRETE:

- FLOOR: 5000psi LIGHTWEIGHT
- WALLS: 5000psi LIGHTWEIGHT
- CEILING: 5000psi LIGHTWEIGHT

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MOBILE MODULAR
EXPRESS II

Mobile Office Trailers & Modular Buildings

MOTOROLA MSB
11'-8" X 34'-0" SHELTER

CROSS SECTION

PROJECT NAME:

DC OUC

DRAWING NUMBER:

MME2146

DATE:

3/6/14

SALES MANAGER:

D. Bagg

DRAWN BY:

J. Wagner

SERIAL NUMBER:

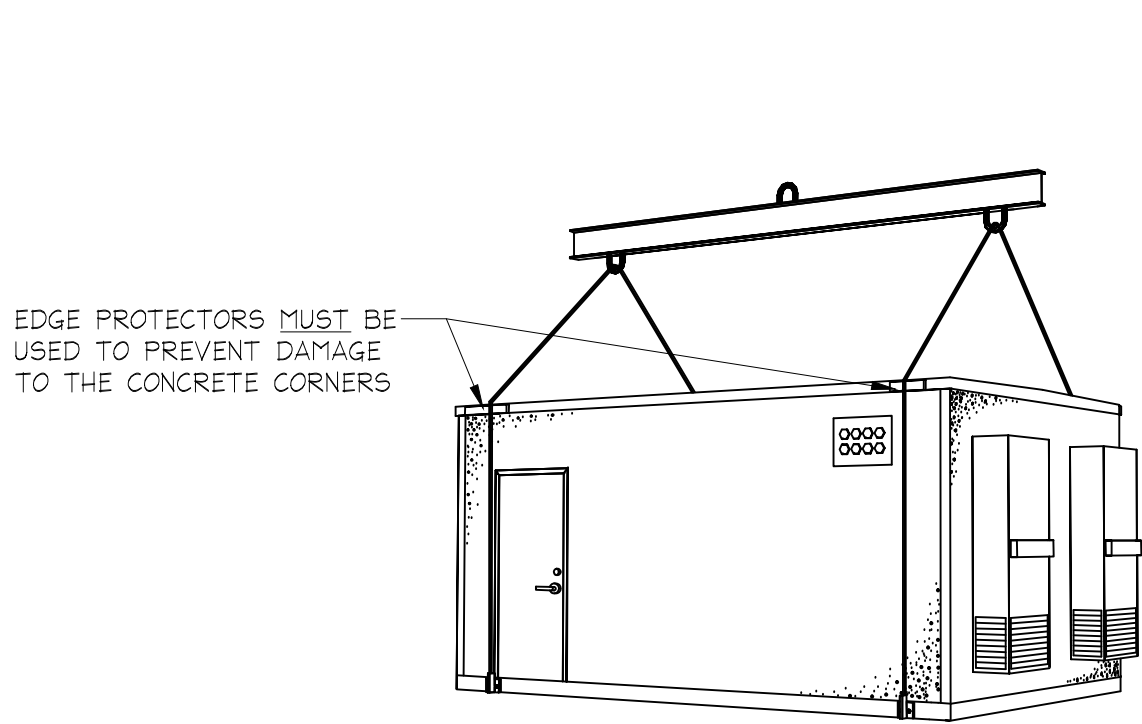
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SCALE ~ 24X36:

NONE

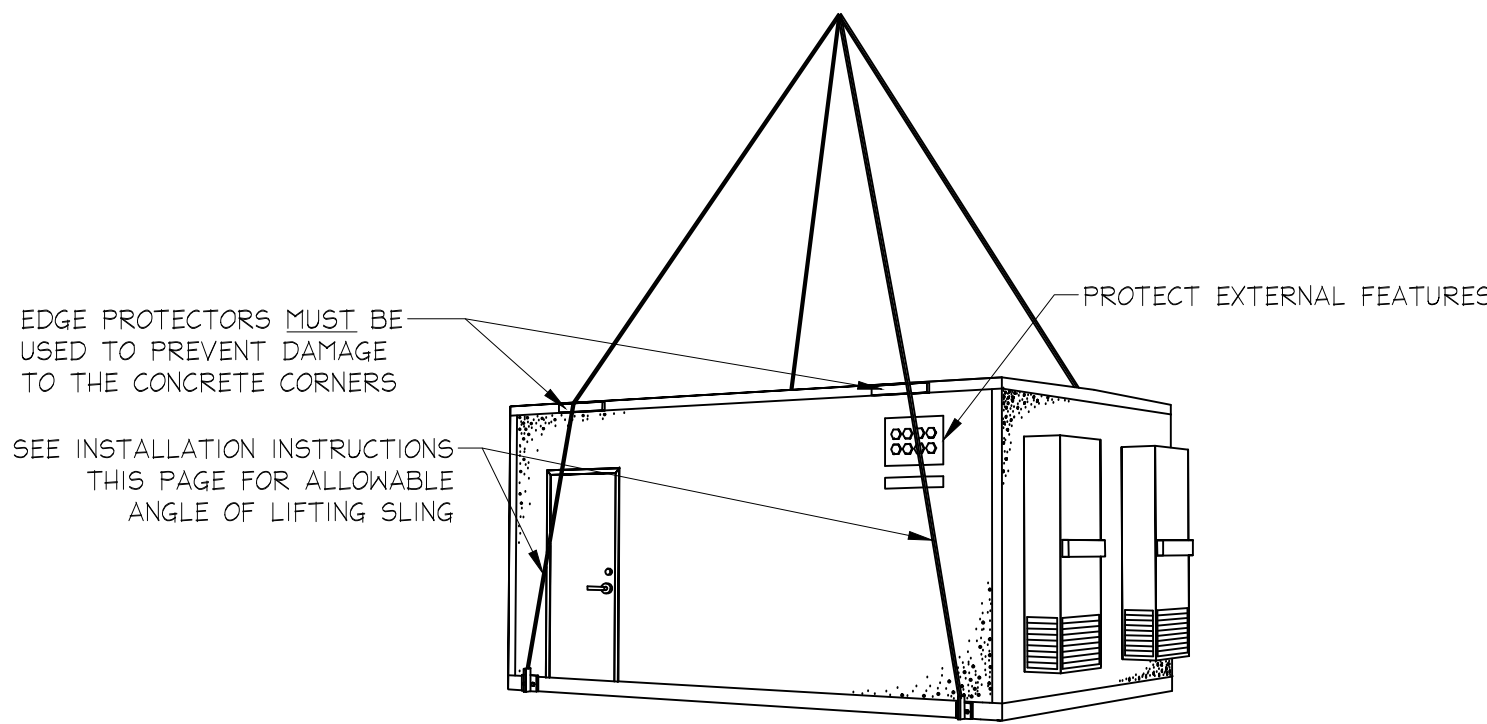
SHEET:

S4

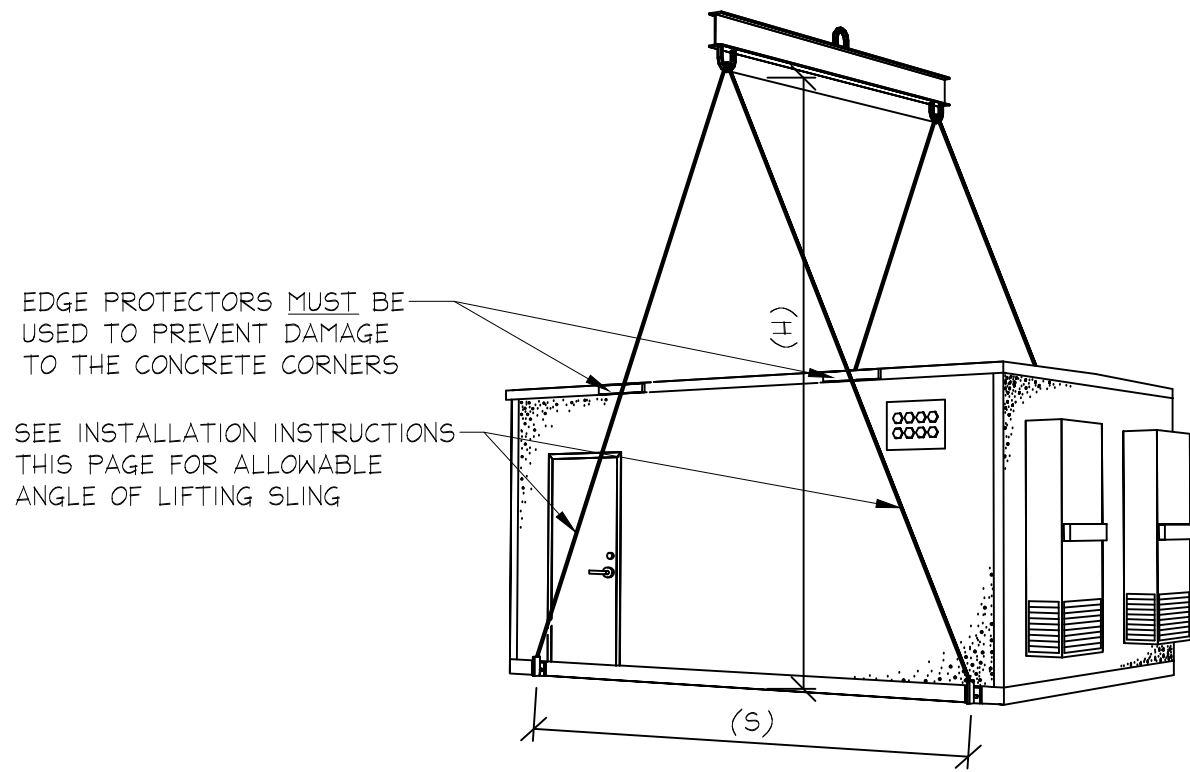


(4) POINT OPTION 1 BUILDING LIFT
(PREFERRED METHOD)

SLINGS VERTICAL



(4) POINT OPTION 3 BUILDING LIFT

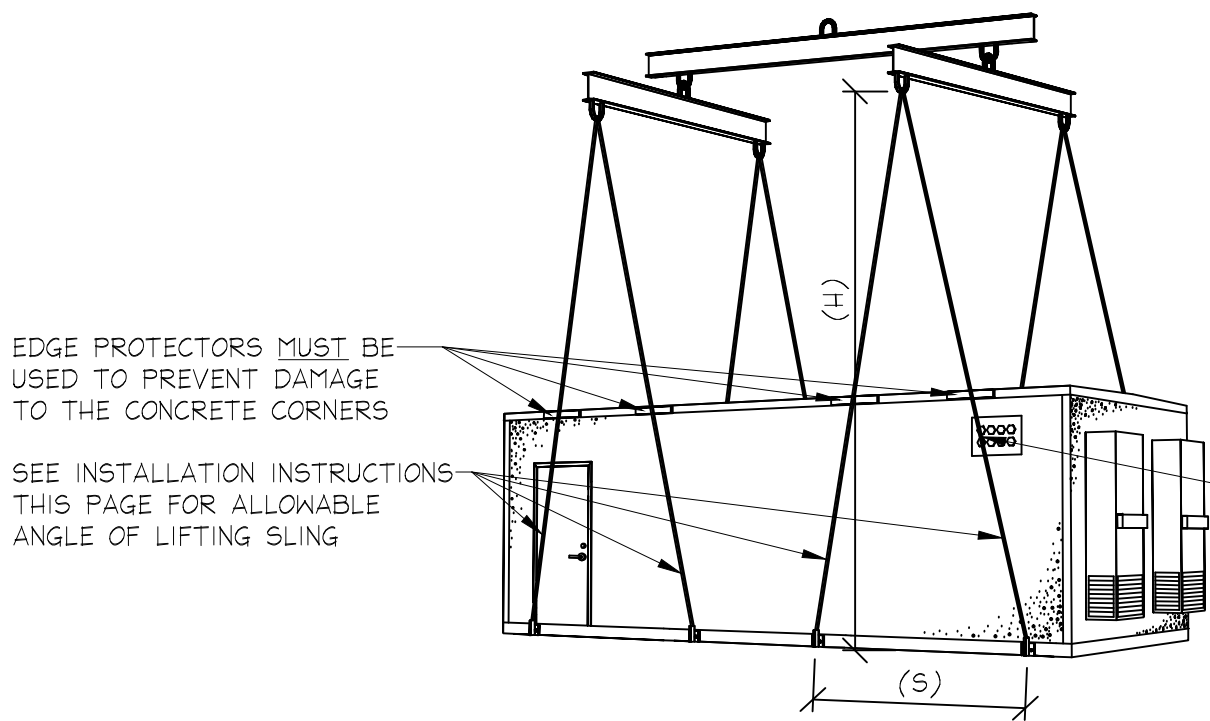


(4) POINT OPTION 2
BUILDING LIFT

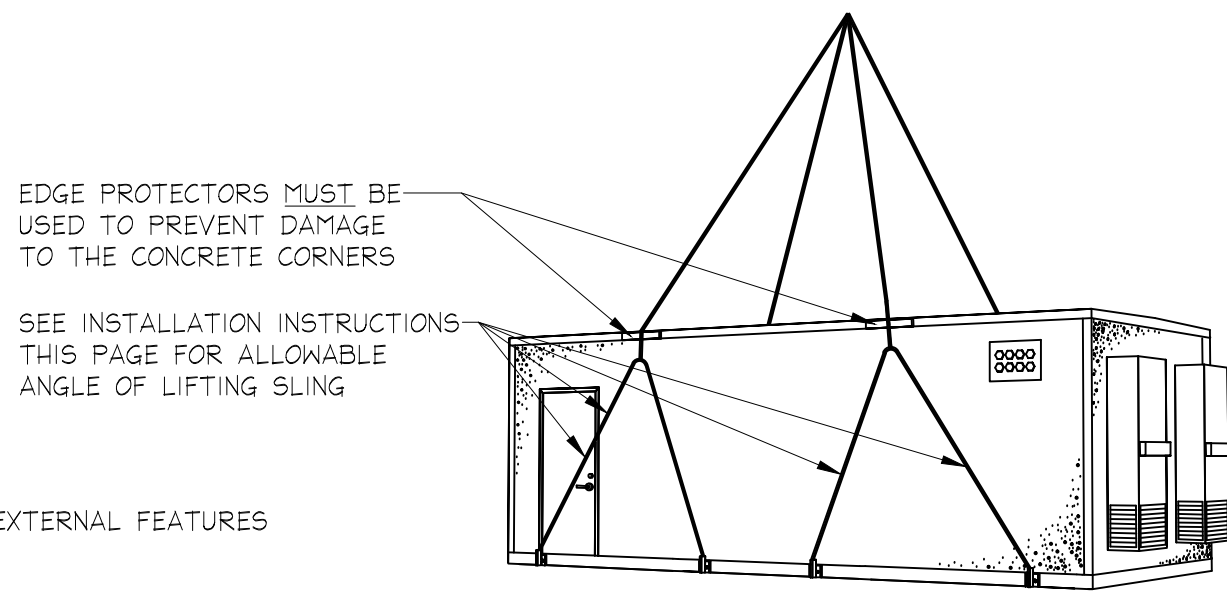
SEE TABLE

1 4 POINT LIFT OPTIONS
SCALE: NONE

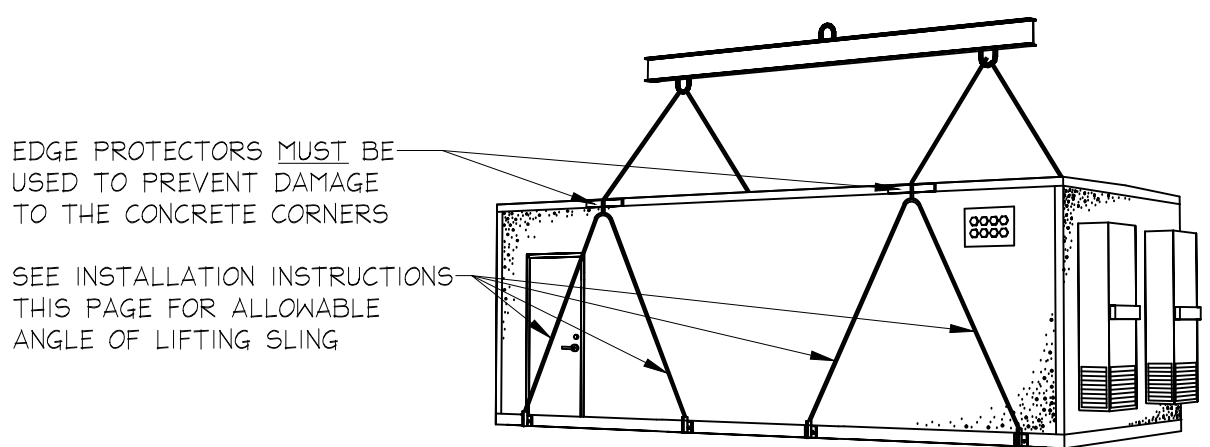
TABLE 1 (4) POINT LIFT OPTION 2	
LIFT DEVICE SEPARATION (S)	MINIMUM HOOK HEIGHT (H)
10'-0"	13'-9"
11'-0"	15'-2"
12'-0"	16'-6"
13'-0"	17'-10"
14'-0"	19'-3"
15'-0"	20'-8"
16'-0"	22'-0"
17'-0"	23'-5"
18'-0"	24'-9"
19'-0"	26'-2"
20'-0"	27'-6"



(8) POINT OPTION 1 BUILDING LIFT
(PREFERRED METHOD)



(8) POINT OPTION 3 BUILDING LIFT

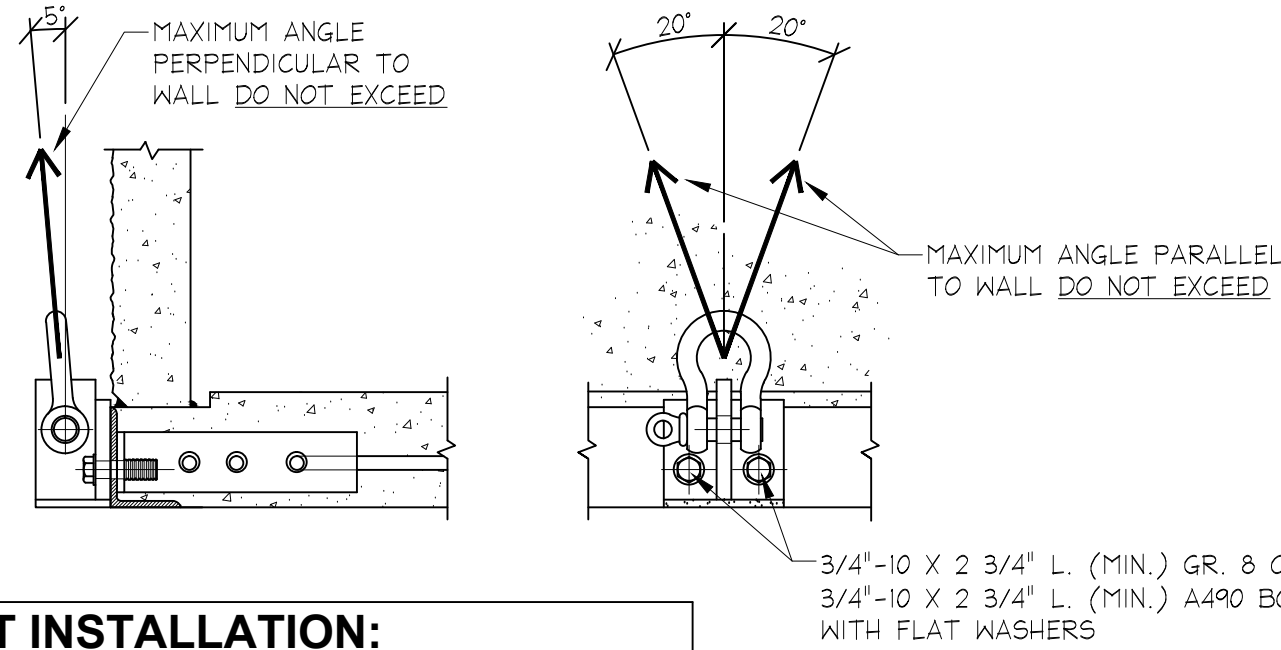


(8) POINT OPTION 2
BUILDING LIFT

SEE TABLE

2 8 POINT LIFT OPTIONS
SCALE: NONE

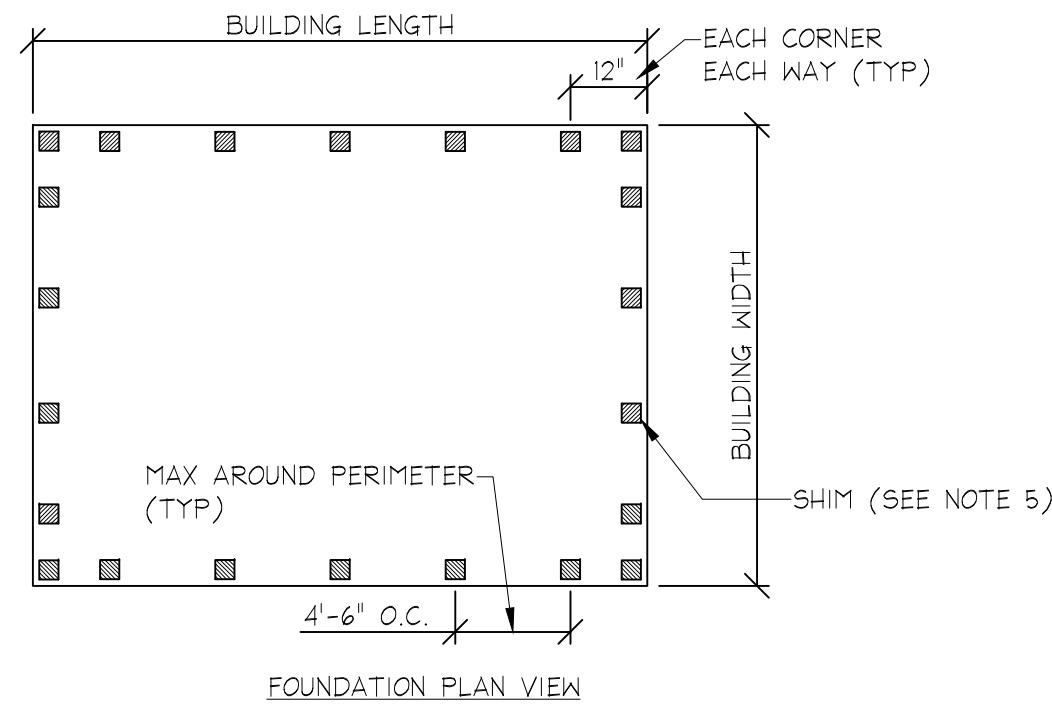
TABLE 1 (8) POINT LIFT OPTION 1	
LIFT DEVICE SEPARATION (S)	MINIMUM HOOK HEIGHT (H)
6'-0"	13'-9"
7'-0"	15'-2"
8'-0"	16'-6"
9'-0"	17'-10"
10'-0"	19'-3"
11'-0"	20'-8"
12'-0"	22'-0"



BOLT INSTALLATION:

1. SNUG (NO PLAY) PLUS 1/8 TURN MAX.
2. DO NOT DRIVE WITH HIGH PRESSURE IMPACT WRENCH.

3 END INSTALLATION AND SLING LIMITS
SCALE: NONE



INSTALLATION NOTES:

1. ALL FOUNDATION WORK BY OTHERS AND SUBJECT TO LOCAL INSPECTION.
2. FOUNDATION SURFACE SHALL BE LEVEL TO WITHIN +/- 1/8" PER 10 LINEAL FEET IN ANY DIRECTION.
3. FOUNDATION SHALL BE SQUARE TO WITHIN +/- 1/4".
4. TIE DOWN PLATES, IF USED MUST BE ENTIRELY ABOVE GRADE.
5. SHELTER MUST BE SHIMMED TO LEVEL ABOVE IRREGULARITIES IN THE SLAB AND BUILDING FLOOR SYSTEM. SHIM HARDNESS NOT LESS THAN 60 DUROMETER, OR COMPRESSIVE STRENGTH 9,000 PSI MINIMUM. SHIMS NOT LESS THAN 3" SQUARE, THICKNESS AS REQUIRED.
6. INSPECT FOUNDATION FOR DEBRIS AND REMOVE BEFORE SETTING SHELTER.

SHELTER MUST BE SHIMMED

4 SHELTER SHIMMING
SCALE: NONE

RIGGING NOTES:

1. SHELTER MUST BE LIFTED ONLY AT POINTS PROVIDED, USING APPROPRIATE SPREADER BARS AND SLINGS, AND WITHIN THE LIMITS SHOWN ON THIS DRAWING.
2. UNLESS OTHERWISE APPROVED OR INDICATED, LIFT ONLY THE SHELTER SELF-WEIGHT. DO NOT LIFT THE SHELTER WITH ADDITIONAL EQUIPMENT INSIDE.
3. INSPECT EACH LIFT DEVICE FOR FOR CRACKS, WARPING OR OTHER DEFECTS BEFORE INSTALLING ON SHELTER. DO NOT USE A LIFTING DEVICE THAT HAS ANY CRACKS, QUESTIONABLE WELDS, IRREGULAR OR ELONGATED HOLES, OR IS BENT OUT OF SHAPE.
4. INSPECT BOLTS BEFORE INSTALLATION. DO NOT USE ANY BOLTS THAT HAVE DAMAGED THREADS, ARE BENT, APPEAR ELONGATED OR ARE MALFORMED IN ANY WAY.
5. DO NOT ROUTE SLING NEAR HVAC SYSTEMS.
6. REMOVE OR PROTECT DOOR HARDWARE AND OTHER PROTRUSIONS FROM DAMAGE.
7. RIGGER IS TO PROVIDE ALL EQUIPMENT ABOVE THE MME II EXTERIOR LIFTING DEVICE. THE RIGGER IS RESPONSIBLE FOR ENSURING THAT THE SAFETY REQUIREMENTS LISTED HEREIN ARE MET.
8. RIGGING SHALL CONFORM TO APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
9. IF SHELTER IS DELIVERED WITH TEMPORARY SHIPPING WALLS OR ANY OTHER TEMPORARY STRUCTURE INSTALLED FOR TRANSPORT, DO NOT REMOVE BEFORE SHELTER PLACEMENT.
10. DO NOT USE SINGLE HOLE POSITIONS FOR LIFTING.
11. DO NOT SET THE SHELTER ON AN UNEVEN OR UNSTABLE SURFACE.

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EXPRESS II
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MOTOROLA MSB
11'-8" X 34'-0" SHELTER
TRANSPORT DETAILS

PROJECT NAME: DC OUC
DRAWING NUMBER: MME2146

STAMPS AND SEALS

DATE: 3/6/14
SALES MANAGER: D. Bagg
DRAWN BY: J. Wagner
SERIAL NUMBER: -
SCALE ~ 24X36: NONE
SHEET: T2