

Design Criteria

SQUARE FOOTAGE: 128 SF
 OCCUPANCY LOAD: 2
 FLOOR DEAD LOAD: 21 PSF
 FLOOR LIVE LOAD: 50 PSF
 ROOF DEAD LOAD: 7 PSF
 SNOW LOAD: 30 PSF
 WIND SPEED: 90 MPH
 Building Weight: 3,800 LBS.

APPROVED FOR PRODUCTION

*Armstrong Trailer
 820 Office
 8'-0" x 16'-0" Actual Size*

FRAME – OUTRIGGER

MAIN BEAM: 2x4 11GA TUBE
 CROSSMEMBER: ANGLE & ROD AND 13GA FORMED STEEL OUTRIGGER @ 48" O. C.
 NOTE: SOLID REAR CROSSMEMBERS AND RECESSED TAIL LIGHTS
 MISC: 3" C-CHANNEL REAR BUMPER
 HITCH: WELDED W/2 5/16" CUP AND JACK W/BARGEMAN PLUG
 AXLES: 3,500# SINGLE LEAF DROP 5 LUG AXLES WITH WHEELS WELLS
 TIRES: 5 LUG WHITE SPOKE 15" RIMS WITH 10" HUBS
 PAINT: MIN 3 MIL BLACK ASPHALT
 TIE DOWNS: FRAME TIES, IF REQUIRED, ON SITE BY OTHERS
 MISC: 1 SWIVEL RV STEP

FLOOR – TRANSVERSE

BOTTOM BOARD: WOVEN PLASTIC INSULATION SUPPORT
 NOTE: FASTENED TO BOTTOM OF JOISTS 24" O. C. MAX
 INSULATION: R-12 UNFACED FIBERGLASS
 JOISTS: 2X4 #3 SPF EQUAL OR BETTER @ 16" O. C. (TRANSVERSE)
 RIM JOIST: 2X4 #3 SPF EQUAL OR BETTER
 DECKING: 5/8" (19/32") T&G DOUGLAS FIR PLYWOOD 16" O. C. MIN. SPAN INDEX
 COVERING: PAINTED
 COVER WHEEL WELLS WITH PAINTED PLYWOOD
 (COLOR = GRAY)
 MISC:

EXTERIOR WALLS

STUDS: 2X4 STUD GRADE SPF EQUAL OR BETTER @ 16" O. C.
 BOTTOM PLATE: SINGLE 2X4 #3 SPF EQUAL OR BETTER
 TOP PLATE(S): SINGLE 2X4 #3 SPF EQUAL OR BETTER
 WALL HEIGHT: 7'-0"
 WALL COVERING: 1/4" NATURAL BIRCH PANELING (CLASS C/3 F. S.)
 INSULATION: R-12 UNFACED FIBERGLASS BATTS
 SHEATHING: 3/8" OSB FULL PERIMETER
 SIDING: .019 ALUMINUM
 (COLOR = COLONIAL WHITE -SMOOTH)
 NOTES: SCREW EVERY MESA
 TRIM: .019 ALUMINUM (TOP, BOTTOM AND CORNERS)
 (COLOR = EARTH BROWN- RCE)
 MISC: ANSI CONSTRUCTION

INTERIOR TRIM

TRIM: STANDARD WOOD PROFILES
 TRIM: 4" VINYL COVE BASE (COLOR = #P100 BLACK)

ROOF

RAFTERS: BOW TRUSSES @ 16" O. C. W/30# LIVE LOAD
 2 1/2 " HEEL X 6 1/4" CROWN 94 - 1/2" LONG TRUSS# H0994T0686
 CEILING PANEL: 1/2" PREFINISHED GYPSUM W/VAPOR BARRIER (CLASS A/1 F. S.)
 INSULATION: R-12 INSULATION
 ROOFING: 30 GA GALVANIZED (CLASS C/3 F. S.)
 GUTTERS: K-60 J-RAIL

EXTERIOR DOORS

A: 1 36X80 ELIXER #402-10 VINYL CLAD DOOR W/ALUM. FRAME,
 10X10 SAFETY GLAZED LITE, LOCKWARE #5401 KNOB LOCK SET, DRIP CAP,
 WEATHER STRIPPING, STAY-CHAIN AND THRESHOLD. (COLOR = COLONIAL WHITE)

WINDOWS

1: 3 HORIZONTAL SLIDER 46X27 W/SINGLE CLEAR GLASS,
 ALUM. EXTRUDED MILL FRAME, DRIP CAP, BUG SCREEN AND
 SELF STORING STORMS W/WHITE FRAME

ELECTRICAL

ALL ELECTRICAL TO MEET CSA STANDARDS
 SERVICE: 120/240V SINGLE PHASE, 3 WIRE, 60HZ W/GROUND
 LOAD CENTER: 1 24 CIRCUIT WITH MAIN 100AMP BREAKER #CQ0124M125C100
 NOTE: CSA HEIGHT TO BE 36" TO BOTTOM.
 ENTRANCE: 1 1/2" EMT CONDUIT STUB THRU SIDEWALL
 RACEWAY: MIN. #14 AWG NM UP TO 40A. > 40A IN SE TYPE WIRE. (CSA)
 LIGHTS: 2 4' 2 32W T8-TUBE FLUOR. W/DIFFUSER & ELECTRONIC BALLAST
 W/LUMINAIR DISCT. (SB 232 120 RE)
 CSA, SWITCHES AND RECEPT GROUND TO J-BOX
 RECEPTACLES: 4 120V 15A IVORY DUPLEX GROUNDING TYPE # 5320ICP
 RECEPTACLES: 1 SEE COOLING CALL OUT FOR A/C RECEPT REQUIREMENTS
 SWITCHES: 1 120V 15 AMP IVORY TOGGLE TYPE #CSB115I
 MISC: INSTALL CLEARANCE LIGHTS

HVAC

HEATING: 2 4' 1KW 120 VOLT BASEBOARD HEATER
 THERMOSTAT: 1 120V WALL MOUNT #MS26
 COOLING: 1 5000 BTU 120V THRU-WALL AIR CONDITIONER (PERFECT AIR PAC 5,000)
 W/ 20A IVORY SINGLE GROUNDING TYPE A/C RECEPT # 58011

SPECIALTIES

DESKTOP: 1 24" x 48" HPL DESKTOP PER PRINT
 (HPL COLOR = BLACK PEARL w/T MOLDING)
 FILE CABINETS: 1 STANDARD (2) DRAWER (1) CABINETS AT EACH DESK
 EXTINGUISHER: IF REQUIRED BY OTHERS AT SITE

Building Notes:

- All materials are C and B Custom Modular's standards unless otherwise specified.
- All door adjustments are on site by others.
- C and B Custom Modular Inc. is not responsible for local codes or permits.
- Construction type trailer

VIN#
 16-19582 = RP9FT1617GA028059
 16-19583 = RP9FT1613GA028060

Drawing Index

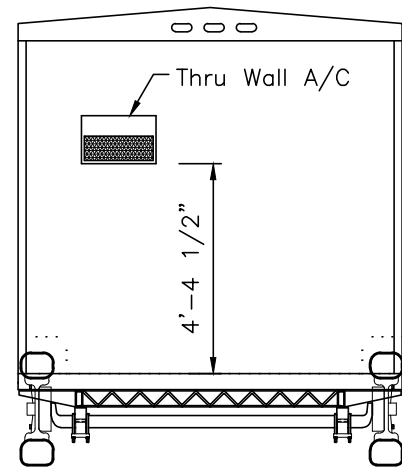
Page	Page Description
C1	Project Cover Sheet/Building Specs
A1	Building Elevations/ Cross Section
A2	Production Floor Plan
S3-S4	Production Frame & Floor Framing Plans

ID	Revision	Date

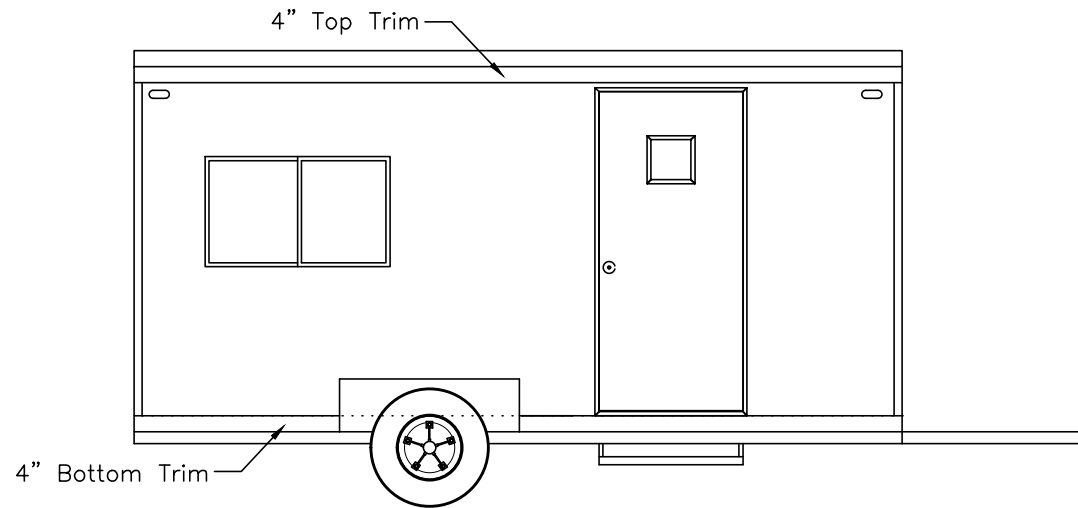
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Serial Numbers: 16-19582-83	Drawing Number: 1388	DWG File Name: 16-19582-83.dwg	
Approval Numbers: QPS-Electric		Sales Representative: Lewis Chadwick	
Title: Armstrong Trailer 8 x 20 Office (8'-0" x 16'-0")			
Sheet Description: Building Cover Sheet			Page #: C1



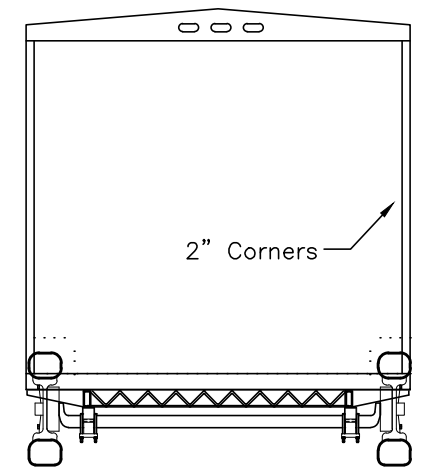
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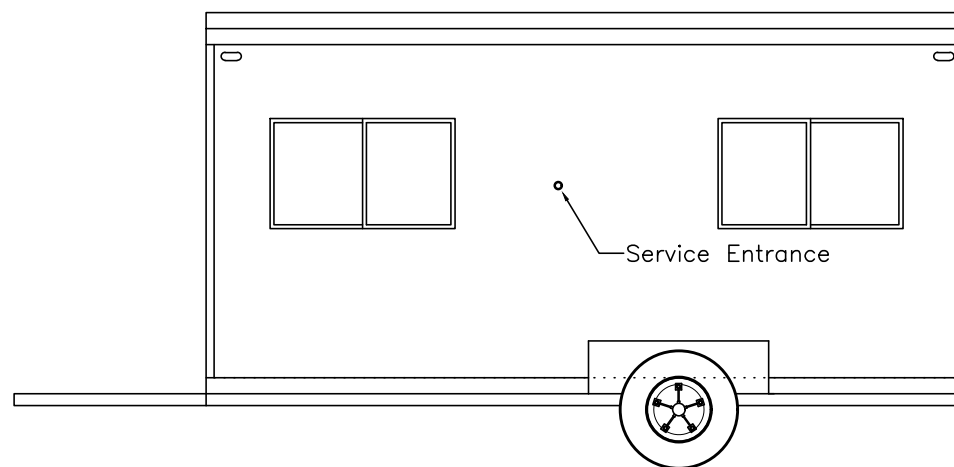
Elevation "D"



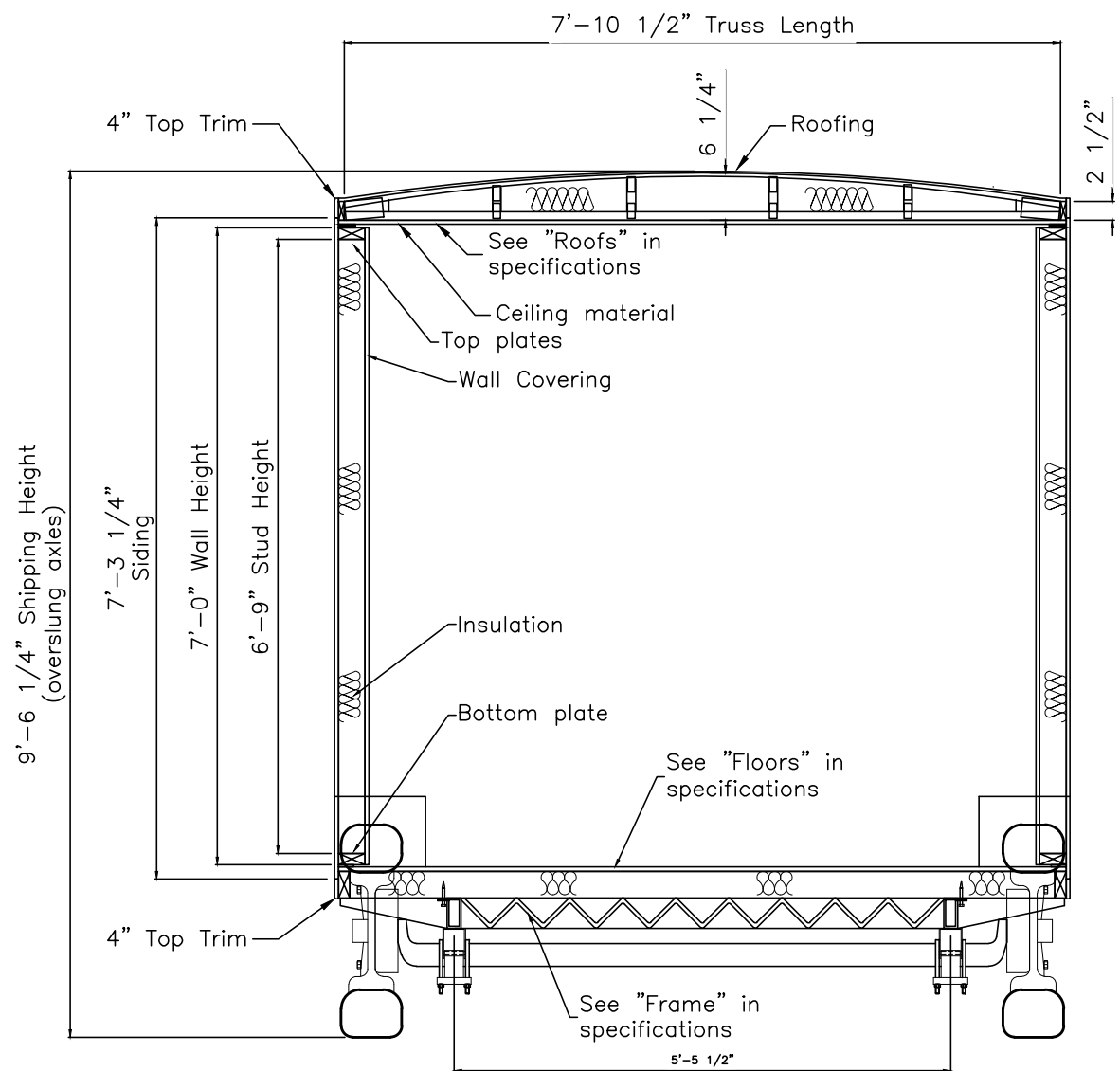
Elevation "A"



Elevation "B"



Elevation "C"



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Title: Armstrong Trailer 8 x 20 Office (8'-0" x 16'-0")			
Sheet Description: Building Cross Section & Elevations			Page #: A1

Modul A Area Served Sq. Meter 11.89158912 ft² Area served Main Breaker 100A Panel Voltage 240 Panel Phase 1

CKT#	Breaker size	Description	QTY	Voltage	Wattage per item	Connected Load	Load Factor	Calculated load	Total
1	15 /1	Lights (2-tube)	2	120	71.2	142.4	1.25	178	
		Exterior Lights	0	120	75	0	1.25	0	178
2	15 /1	Recepts	4	120	180	720	1.00	720	720
3	20 /1	Baseboard Heater	2	120	1000	2000	1.25	2500	2500
4	20 /1	A/C Recept	1	120	515	515	1.00	515	515

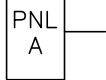
Total connected load	3913.00
Total connected load amps	16.30
Load factor	50 594.58
Appliance Load	3015.00
CEC 2012 Elec Load Amps	15.04

Wire Size Chart (90° C)

Breaker Size	Wire Size	Breaker Size	Wire Size
15A	#14	80A	#4
20A	#12	90A	#3
30A	#10	100A	#3
40A	#8	115A	#2
50A	#6	130A	#1
60A	#6	150A	1/0

DRAWING LEGEND

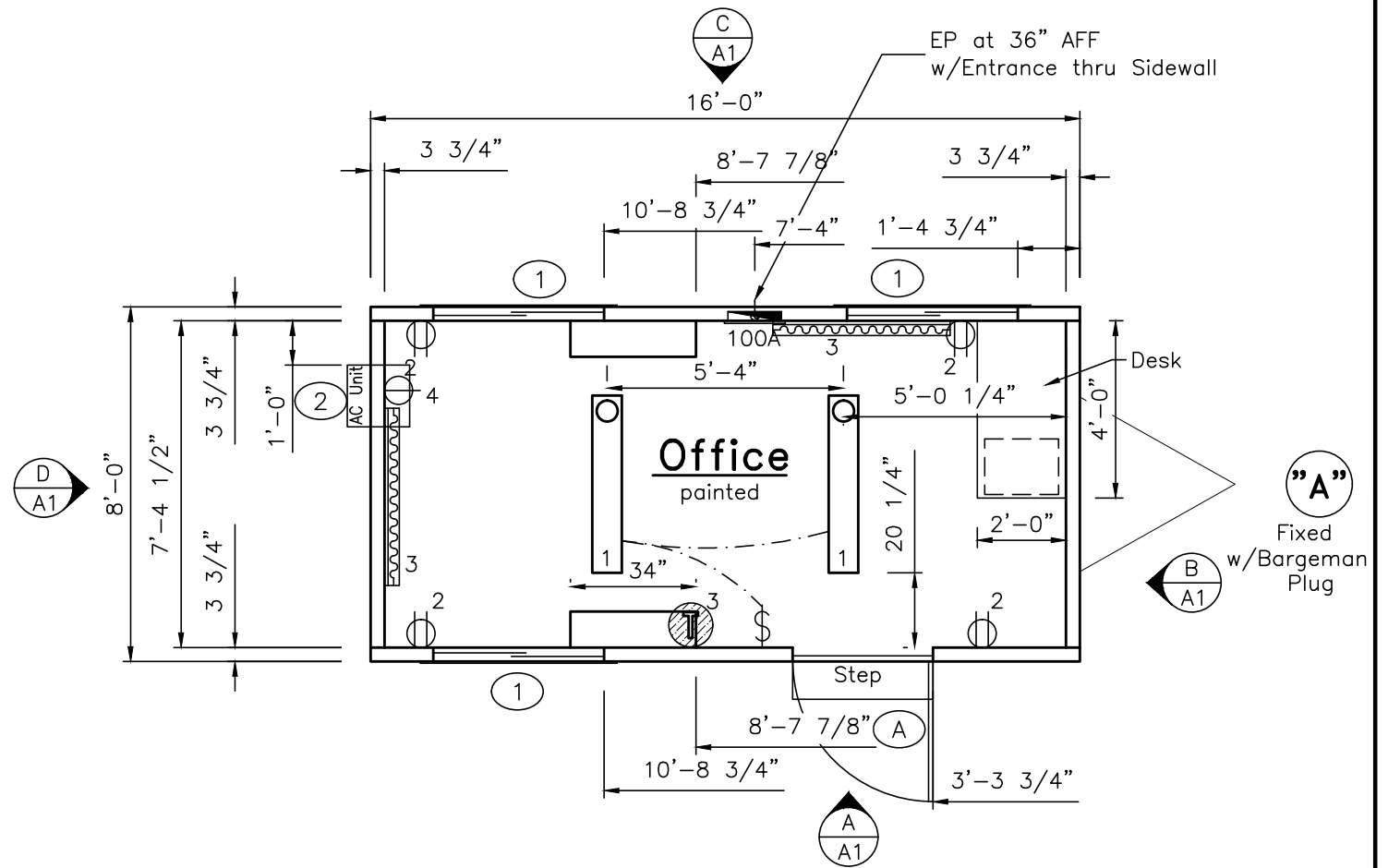
SYMBOL	QTY.	DESCRIPTION
	1	120/240 electric panel (+36" AFF to bottom of panel)
	1	120V thermostat (+48" AFF to top)
	4	120V ivory duplex grounding type (+18" AFF unless noted)
	1	120V ivory single grounding type for A/C (+44" AFF unless noted)
	1	120V ivory toggle type (+42" AFF unless noted)
	2	120V 4' (2) tube surface mount w/diffuser
	2	120V 1KW Electric 48" Baseboard heater (+4" A.F.F.)



A **120/240v 1PH 60HZ PANEL**
100A 2-pole breaker
 1 1/2" EMT conduit
 (3) #3 T90 feeders
 #8 GRND

Electrical Riser Diagram

NTS



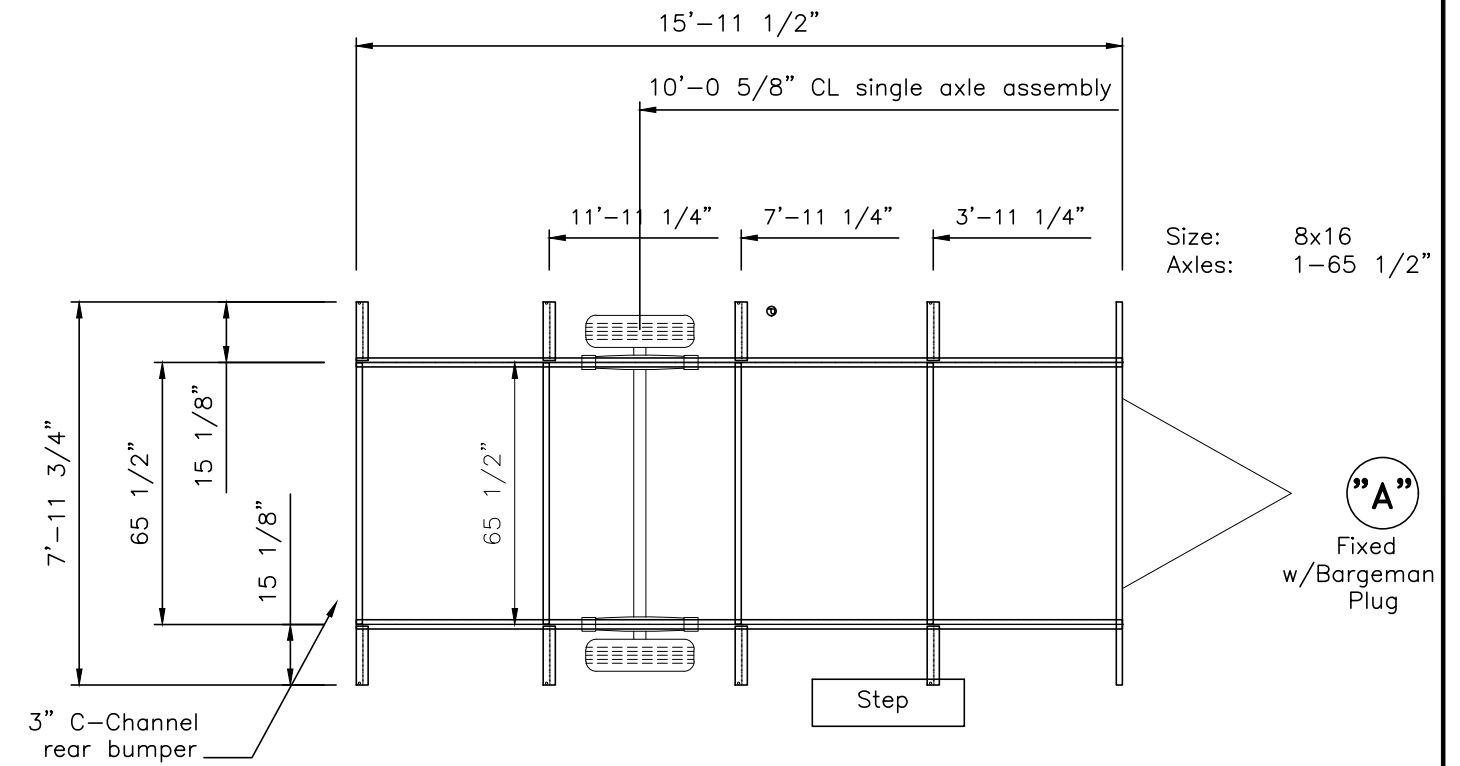
DOOR, WINDOW AND OPENING SCHEDULE

SYMBOL	QTY.	DESCRIPTION	ROUGH OPENING
A	1	Door: 36x80 Elixer vinyl clad door w/10x10 sg-lite Handle: Knob keyed lock set Other: Drip cap, threshold, weather stripping Frame: Aluminum Closer: Stay Chain	36 x 80
1	3	Window: Horizontal Slider 46x27, single clear glass Frame: Aluminum extruded (Mill Finish) Acc. bug screen, and self storing storms, w/WHITE frame	46 1/2 x 27 1/4 UP 41 1/4
2	1	Window: 5,000 BTU 120V Thru wall Air Conditioner Frame: Acc.	16 3/4 x 12 3/4 up 52 1/2" A.F.F.

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DWG File Name: 16-19582-83.dwg	Approval Numbers: QPS-Electric	Sales Representative: Lewis Chadwick
Title: Armstrong Trailer 8 x 20 Office (8'-0" x 16'-0")		
Sheet Description: Production Floor/Electrical Plan		Page #: A2



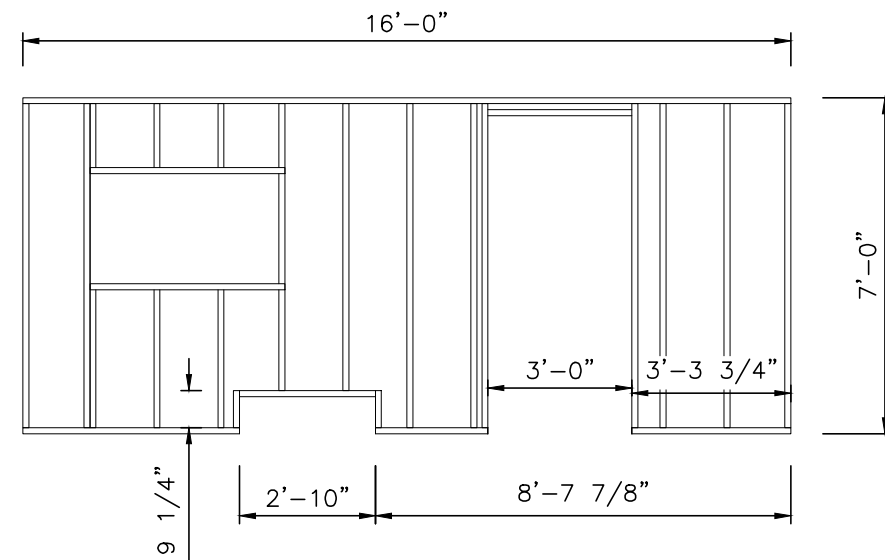
DRAWING		LEGEND
SYMBOL	QTY.	DESCRIPTION

ID	Revision	Date

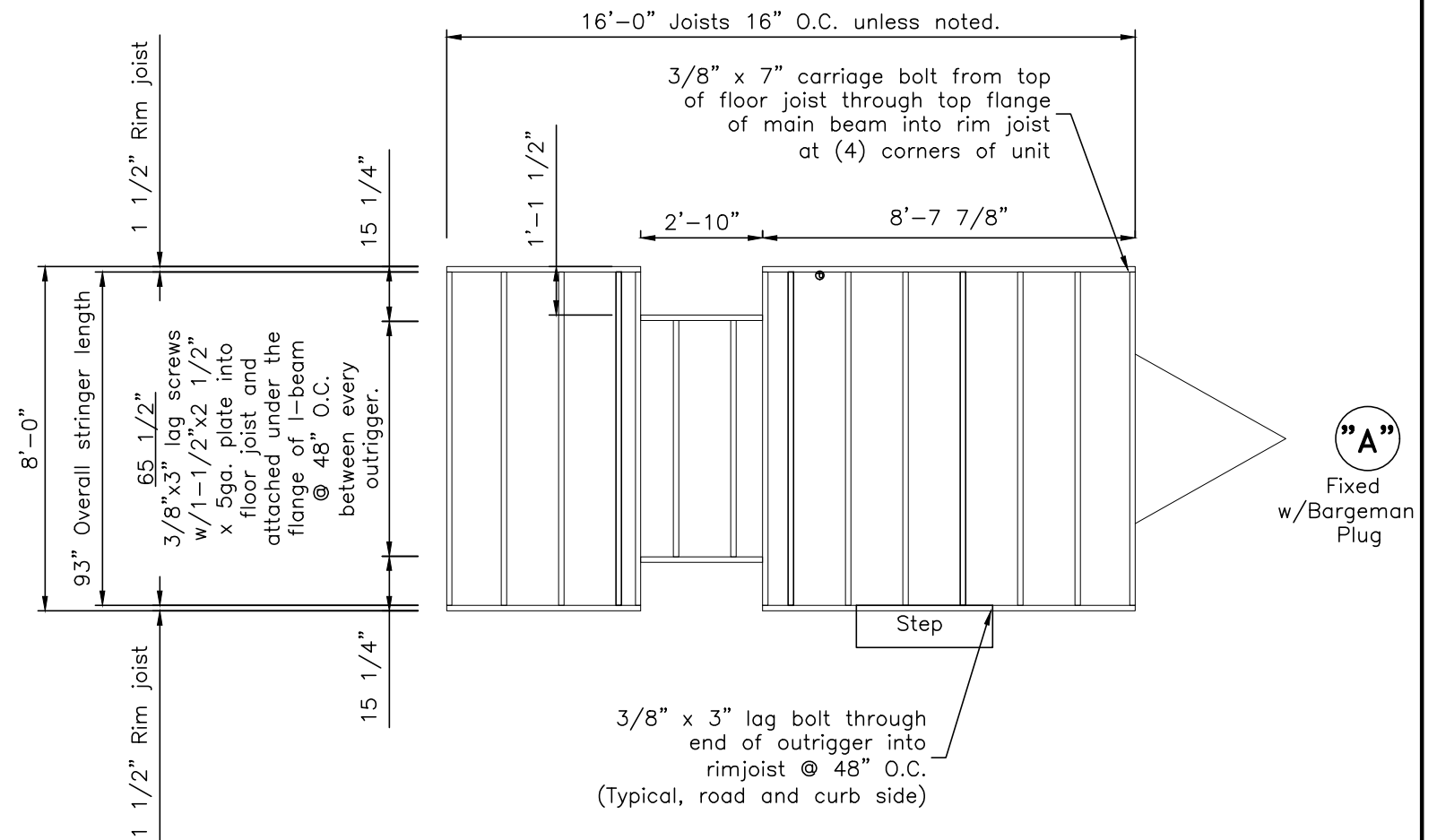
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Serial Numbers: 16-19582-83	Drawing Number: 1388	DWG File Name: 16-19582-83.dwg	
Approval Numbers: QPS-Electric	Sales Representative: Lewis Chadwick		
Title: Armstrong Trailer 8 x 20 Office (8'-0" x 16'-0")			
Sheet Description: Production Steel Frame Plan			Page #: S3

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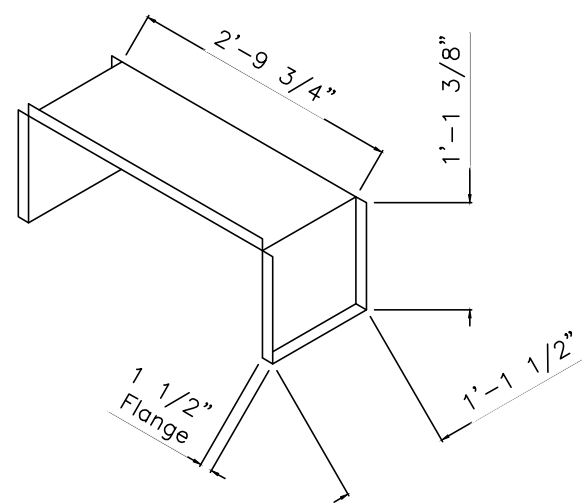
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Sidewall for Wheel Well Blockout



DRAWING		LEGEND
SYMBOL	QTY.	DESCRIPTION



Wheel Well Liner
nts

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Sheet Description: Production Floor Framing Plan		Page #: S4