Harnett COUNTY NORTH CAROLINA

Approved

brittton 06/28/2019

BUILDING SYSTEMS, INC.

3300 HOLCOMB BRIDGE RD. SUITE 201
NORCROSS, GEORGIA 30092

GENERAL NOTES:

- Temporary supports, such as temporary guy-wires, braces, shoring, or other elements required for erection will be determined, furnished, and installed by the Erector. (Sec. 7.9.1 American Institute of Steel Construction (AISC) Code of Standard Practice, 13th Edition.)
- It is the Contractor's responsibility to apply and observe all pertinent safety rules and regulations, and per OSHA Standards as applicable.
- Members such as light gauge cold formed angle, panels, and trim/flashing may require field modification.
- All required field modifications should be minimized to have the lease possible effect on the provided materials.

ERECTOR'S NOTES:

- Base Channel will be used at all Lateral Partitions. Use 1/2" Diameter Wedge Anchors at 2'-6" O/C for attachment to Concrete.
- B2X4X16GA Base Angle to be placed on one side at the base of all Longitudinal Partitions. Use 1/4" Nail Anchors at 2'-6" O/C for attachment to Concrete.
- Partitions and Panels are utilized as diaphragm bracing and are integral parts of the structure.
- Field cut 20'-0" 2X4X16GA Angle as needed.
- See erection supplement for further details.

Materials:	ASTM Designation:	Minimum Yield:
Cold Formed Structural Shapes	A1011	55 KSI
Roof and Wall Sheets	A792	80 KSI

BUILDING DESCRIPTION:

WIDTH: 20'-0" LENGTH: 100'-0" HEIGHT: 8'-6"
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS.)
ROOF SLOPE (RISE / 12): 1/2 : 12

ERECTION NOTES:

- This building is designed with a 0 psf collateral load. This loading will not support ceilings, HVAC, ducting, or other attachments without an increase to the collateral load.

ROOF PANELS:

COLOR: Galvalume

WALL PANELS:

COLOR: Light Stone

EXTERIOR TRIM COLORS:

RAKE / EAVE: Fern Green
CORNER: Light Stone
MULLION: Light Stone
HEADER TRIM: Light Stone
DOWNSPOUTS: Light Stone
MINI ROLL-UP DOOR: BY OTHERS

INTERIOR TRIM COLORS:

PARTITION PANELS: Galvalume
HALLWAY PANELS: N/A
CORNER: N/A
MULLION: N/A
HEADER TRIM: N/A
LINER PANELS: N/A
LINER TRIM: N/A
MINI ROLL-UP DOORS: N/A

SPECIAL NOTES:

GENERAL DESIGN DATA

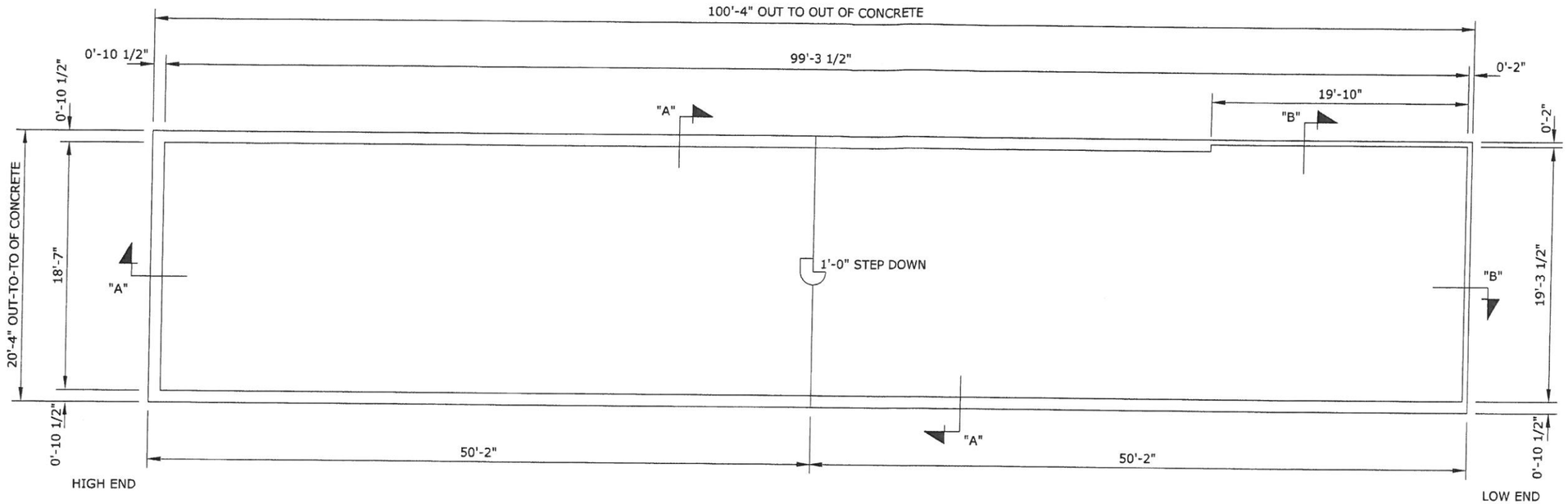
BUILDING CODE = NCBC 2018

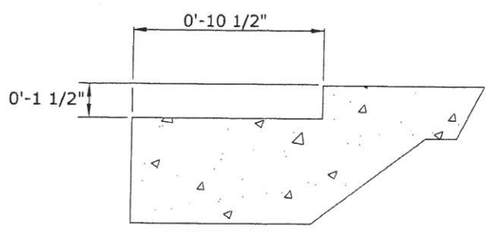
Design Loads:				
Building Occupancy Category:	I - Low Hazard		Risk Category:	I
Dead Load:	Metal Building Structure Only			
Wind Speed:	115.0 mph	ultimate wind speed		89 mph (allowable stress design)
Enclosure/ Pressure Coeff./ Exp. Cat.	Enclosed	GCpi=+/-0.18	Exposure:	B
Live Load:	20 psf	(non-reducible)		
Ground Snow (P_g):	10.0 psf	Ce=1.0, Ct=1.2, Is=0.8		
Roof Snow (P_s):	8.0 psf			
Collateral Load:	0.0 psf	(non-sprinklered)		
Seismic Data:				
Seismic Importance Factor:	1.0		Site Class:	D
Occupancy Category	I		Seismic Design Category:	C
Spectral Response Accelerations:	Ss = 22% S1 =9.7%		Seismic Response Coefficient (C_s):	0.078
Spectral Response Coefficients:	Sds =0.235 Sd1 =0.155			
Basic Structural System and Seismic Resistance System is:	Light frame walls with shear panels		R =	3.00
Design Base Shear (Total):	0.43 k			
Analysis Procedure is:	Equivalent Lateral Force			

NORTH CAROLINA PROFESSIONAL SEAL 034820 ENGINEER ROBERT V. NANGIA
STRUCTURAL ONLY FOUNDATION BY OTHERS
6/5/19

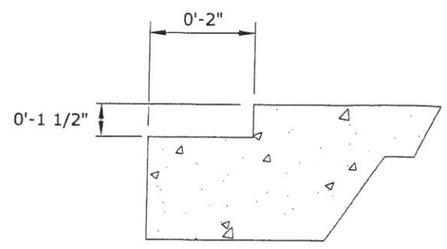
SUPPLIER: Arco Building Systems, Inc.
PROJECT: Pam Cavnar
JOB NUMBER: 1004651A

ROBERT V. NANGIA P.E.
7423 HOLLOW RIDGE DR.
HOUSTON, TX 77095





SECTION "A"



SECTION "B"

NORTH CAROLINA PROFESSIONAL SEAL 084820 ENGINEER ROBERT V. NANGLE 6/5/19
STRUCTURAL ONLY
FOUNDATION BY OTHERS

NOTE: MANUFACTURER ASSUMES NO RESPONSIBILITY FOR THE DESIGN OR CONSTRUCTION OF FOUNDATION OR SLAB FOR THIS PROJECT. FOUNDATION DESIGN TO BE DONE BY A REGISTERED PROFESSIONAL ENGINEER.

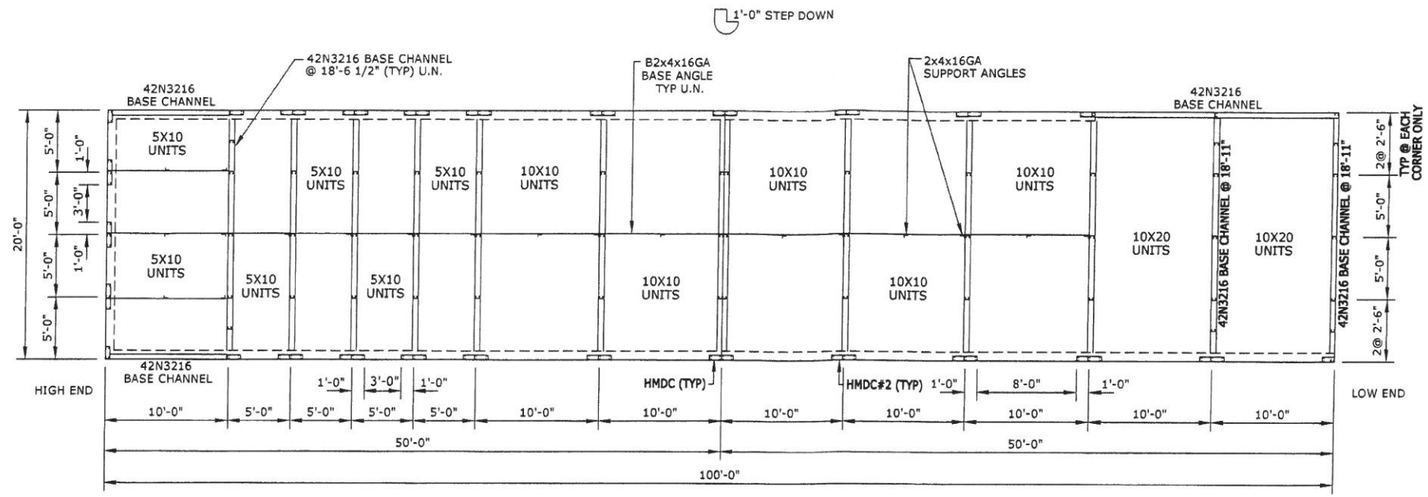
	DESCRIPTION	DATE	DRWN	CK'D
0	FOR CONSTRUCTION	5/31/19	KJJ	JM

Arco Building Systems, Inc.
20'-0" x 100'-0" x 8'-6"
Pam Cavnar
4701 Ray Rd
Spring Lake, NC 28390

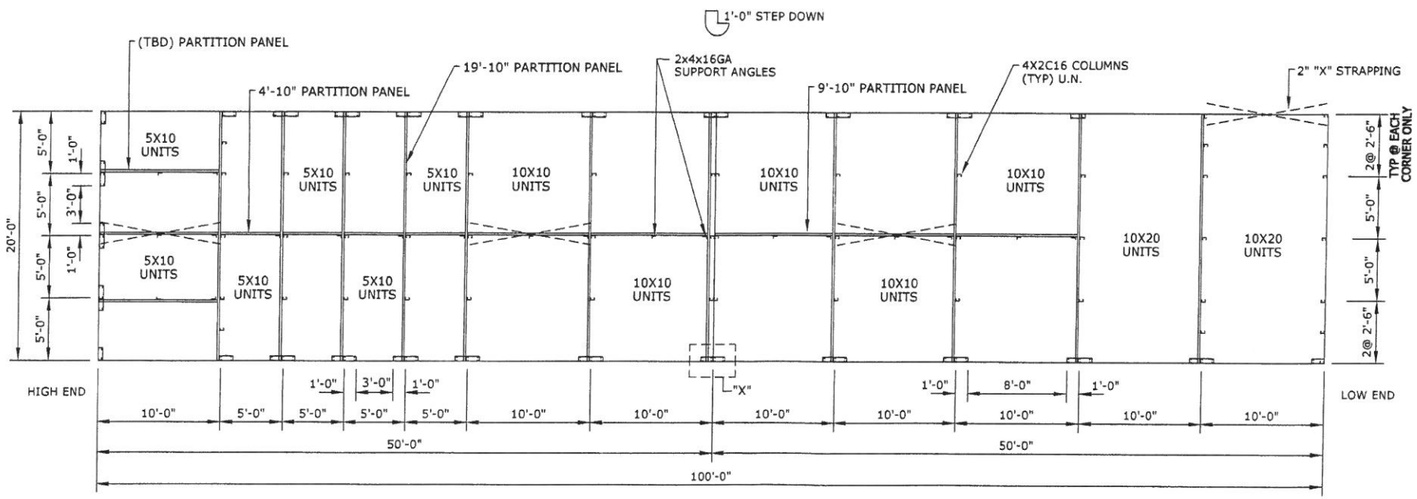
SCALE: NTS
APPROVED BY
PHONE NUMBER: 800-241-8339
WORK ORDER NUMBER: 120458
JOB NUMBER: 1004651A
SHEET NUMBER: S1 OF S1

The registered professional engineer whose seal appears on these drawings is the metal building engineer and is not the engineer of record for the overall project. This seal pertains only to the metal building and it components, which are designed and provided by the metal building manufacturer.

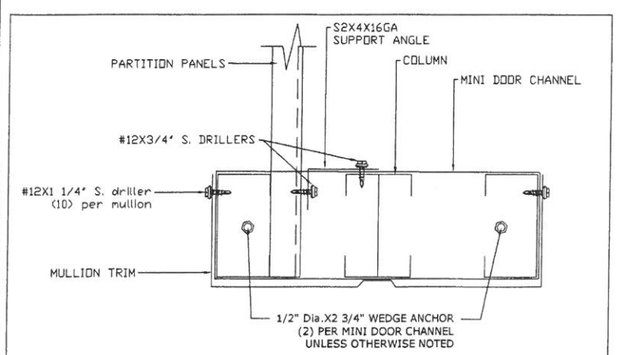
General Construction Notes:
1. No changes shall be made to this building system unless approved in writing by the manufacutrer's engineering department. Unapproved changes will result in an unsafe building design and will endanger public safety.



BASE LAYOUT



PARTITION LAYOUT



DETAIL "X"

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JOB NUMBER	1004651A
SHEET NUMBER	E1 OF E3

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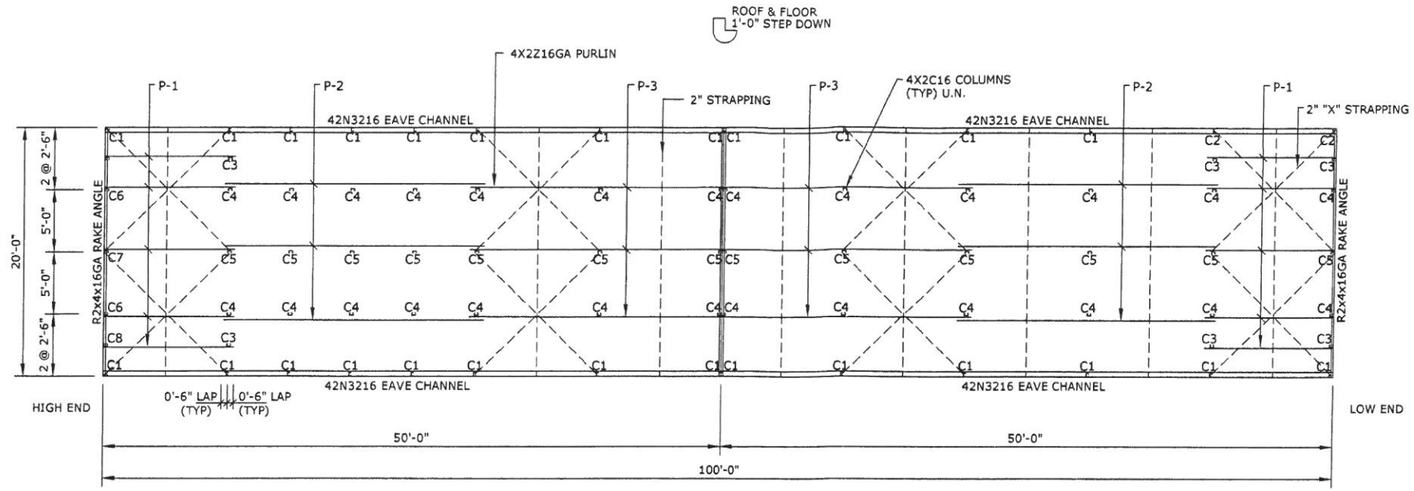
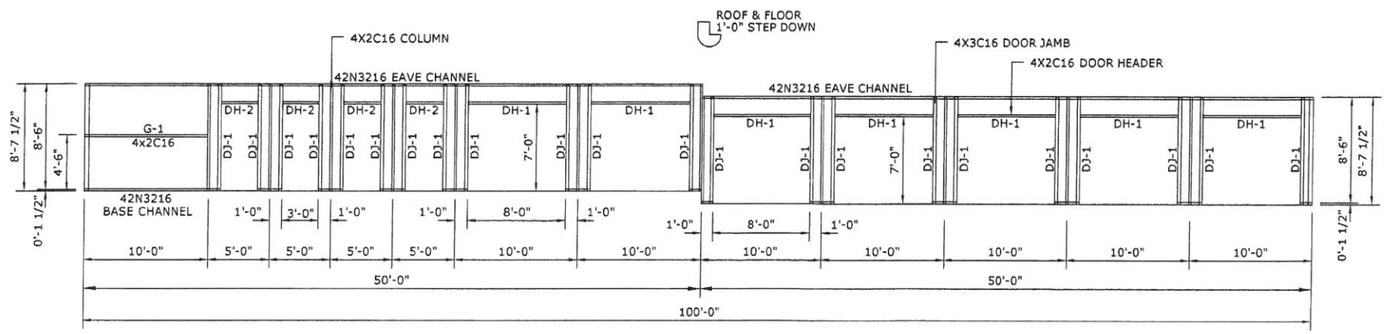
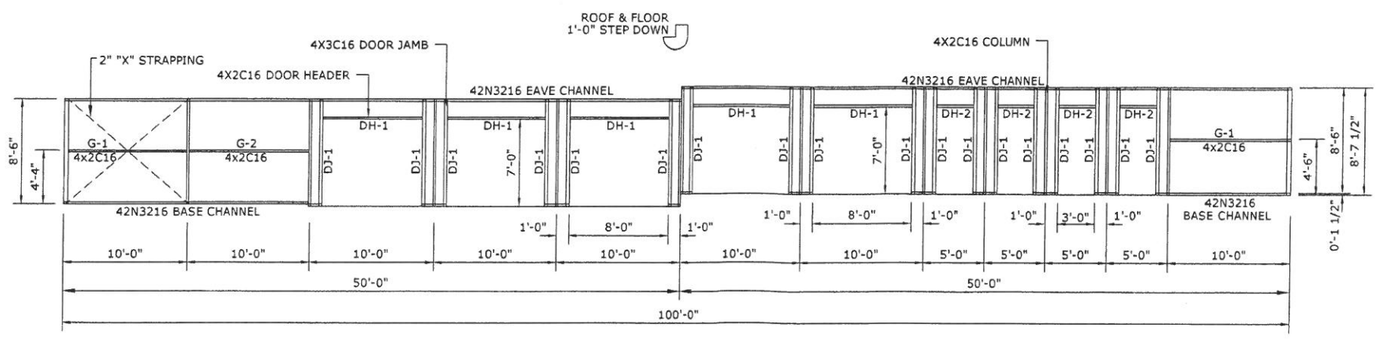


ROOF LAYOUT



FRONT SIDEWALL LAYOUT



BACK SIDEWALL LAYOUT

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Pam Cavnar
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SCALE: NTS
APPROVED BY:
PHONE NUMBER: 800-241-8339
WORK ORDER NUMBER: 120458
JOB NUMBER: 1004651A
SHEET NUMBER: E2 OF E3

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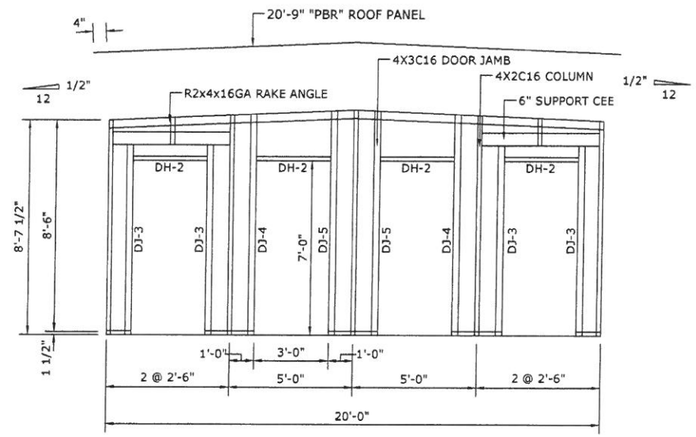
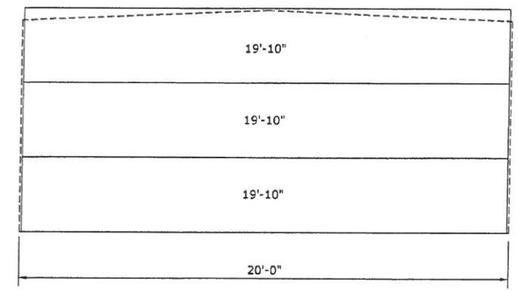
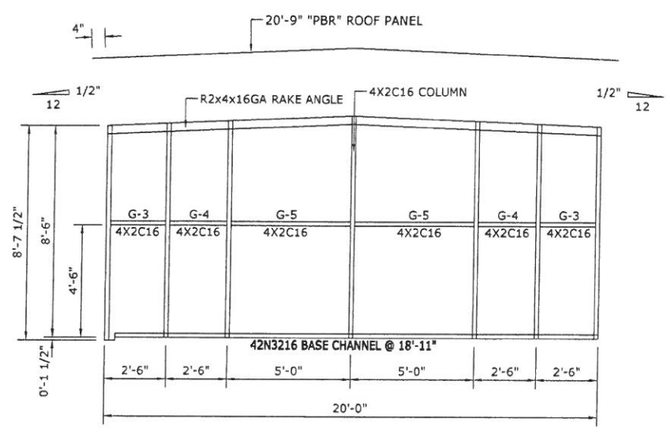


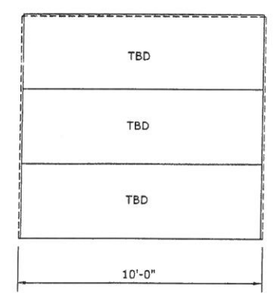
LEFT ENDWALL LAYOUT



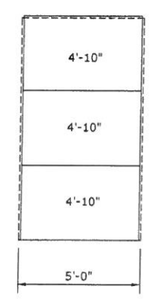
(3) PARTITION PANELS
(11) LOCATIONS



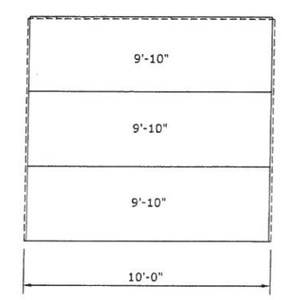
RIGHT ENDWALL LAYOUT



(3) PARTITION PANELS
@ LEFT ENDWALLS
(3) LOCATIONS



(3) PARTITION PANELS
(4) LOCATIONS



(3) PARTITION PANELS
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