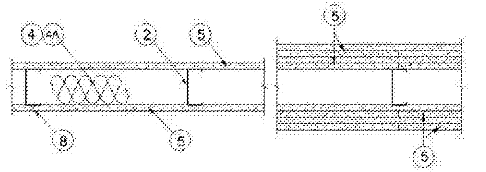
Design No. U419

November 22, 2017

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	3 in.

6. Fasteners — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. Furring Channels — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. Siding, Brick or Stucco — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. Caulking and Sealants* — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

DOOR SCHEDULE

NO.	DOOR							FRAME			HARDWARE	RATING (DOOR & FRAME)	NOTES
	SIZE			MAT' L	GLAZING	TYPE	FINISH	MAT' L	TYPE	FINISH	HDWR. SET NO.		
	W	H	T										
101	PR - 3'-0"	8'-0"	-	ALUM.	-	A	CLEAR ANODIZED	ALUM.	-	CLEAR ANODIZED	1	-	NOTE 1, 2, & 4
102	PR - 3'-0"	8'-0"	-	ALUM.	-	A	-	ALUM.	-	-	2	-	NOTE 1 & 2 HARDWARE AND DOOR SIZES TO BE VERIFIED W/ TENANT
103E	3'-6"	7'-0"	1-3/4"	HM	SIZE & TYPE (VIF)		-	ALUM.	-	-	3	-	NOTE 1 & 2
104	6'-0"	8'-0"	-	STEEL	-	B	-	ALUM.	-	-	4	-	NOTE 1 & 2 COILING STEEL DOOR BY OVERHEAD DOORS - SERIES 625 24 GAUGE DOOR IN FACTORY GRAY BAKED ENAMEL. 3" STRUCTURAL STEEL DOOR ANGLE GUIDES W/ ALUM. BOTTOM BAR W/ BULB TYPE WEATHER SEAL.
105	4'-0"	8'-0"	1-3/4"	HM	-	C	PTD	HM	-	PTD	5	-	NOTE 1,2, & 4

NOTES:
1. MALL LOCKING AND ACCESS REQUIREMENTS - COORDINATE W/ MALL OPERATIONS MANAGER
2. DOOR HARDWARE TO BE COORDINATED AND COMPLIANT WITH FIRE DEPT. "KNOX BOX" ACCESS REQUIREMENTS
3. PROVIDE WELDED FRAMES FOR EXTERIOR DOORS AND DOORS 4'-0" IN WIDTH OR GREATER
4. L.L. GENERAL CONTRACTOR TO SUPPLY 'BEST 7-PIN CONSTRUCTION' CORES ON ALL LOCKING DOORS W/ CONTROL KEY AND OPERATION KEYS

HARDWARE SCHEDULE

HARDWARE GROUP #1

1 EA CLOSER - NORTON #8501-H, OR APPROVED EQ. ADJUST MOUNTING POINTS FOR MIN. 120° ROTATION.
1 EA HAGER PULL #11E, 32D OR APPROVED EQ.
1 EA HAGER PUSH #80S, 32D OR APPROVED EQ.
1 LOCK - 7 PIN BEST ACCEPTABLE CYLINDER W/ TEE TURN INSIDE & EXTERIOR CYLINDER GUARD, MAJOR MANUF. #CGL-26D *NO LOCKSET TO BE INSTALLED ON INTERIOR VESTIBULE DOORS, WHEN VESTIBULE IS INSTALLED.
1 EA STOP - HAGER 268S - FINISH TO MATCH STOREFRONT. *INTERIOR VESTIBULES DOORS ONLY
1 EA HOLD OPEN FOOT, HAGER 270D-US26D. FINISH TO MATCH STOREFRONT. *HOLD OPEN ON EXTERIOR DOOR ONLY.
- WEATHERING PER MANUF. SPECS, INCLUDING FLOOR SWEEPS
1 HAGER - DOOR CHAIN - #300D-25 - US26D *EXTERIOR DOOR ONLY
1 EA 8" STANDARD MILL FINISHED THRESHOLD. EXTERIOR DOOR ONLY.

HARDWARE GROUP #2

- HINGES AS PROVIDED BY MANUFACTURER
- NON REMOVABLE PINS AT EXTERIOR DOORS
1 PUSH/PULL PROVIDED BY ENTRY DOOR MANUFACTURER
1 THRESHOLD AND WEATHERSTRIPPING
1 AUTOMATIC DOOR OPENERS "RECORD 8100 - SURFACE MOUNTED" AUTO OPENER.
1 CLOSER - BARRIER-FREE, SURFACE-MOUNTED DOOR CLOSER, NORTON #160IBF-689, ALUMINUM FINISH, MOUNT CLOSER ON INSIDE OF DOOR
1 KICK DOWN HOLDER, IVES #FS452-4, US26D FINISH

HARDWARE GROUP #3

- HINGES - 1 1/2 PR. 4 1/2" X 4 1/2" STANDARD WEIGHT, FULL-MORTISE, 5 KNUCKLE, BALL-BEARING HINGES WITH US26D FINISH, BOMMER #BB5000-450-652
- NON REMOVABLE PINS AT EXTERIOR DOORS
1 A-OK LOCK
1 BATTERY-ALARMED PANIC DEVICE, DETEX VALUE SERIES V40XEB
1 LATCH PROTECTOR, IVES #LG7
1 WIDE-ANGLE PEEPHOLE, IVES #698, B26D FINISH
1 THRESHOLD AND WEATHER-STRIPPING
1 DOOR PULL, IVES #410, B26D FINISH
1 CLOSER - BARRIER-FREE, SURFACE-MOUNTED DOOR CLOSER, NORTON #160IBF-689, ALUMINUM FINISH, MOUNT CLOSER ON INSIDE OF DOOR
1 KICK DOWN HOLDER, IVES #FS452-4, US26D FINISH
1 KICKPLATE 30"H X 34"W STAINLESS STEEL KICKPLATE
1 KICK DOWN HOLDER, IVES #FS452-4, US26D FINISH
3 EA DOOR SILENCERS, IVES #SR64, GRAY
1 ALUMINUM OVERHEAD DRIP EDGE - INSTALL PER MANUFACTURER RECOMMENDATION

HARDWARE GROUP #4

2 LOCK - THROW BOLTS PER MANUF. *PAD LOCK PROV. & INSTALLED BY F.B. W/ BEST CORE. KEY TO MATCH MANAGER'S OFFICE.
1 MANUAL CHAIN HOIST OPERATION
- WEATHERING - HOOD BAFFLE SHALL BE INSTALLED DIRECTLY TO THE INSIDE FACE OF THE MASONRY WALL & SILICONE CAULKED AROUND THE ENTIRE PERIMETER. INSTALL AN EXTERIOR LINTEL BRUSH SEAL TO LINTEL (WOOD BLOCKING SHALL NOT BE USED)

HARDWARE GROUP #5

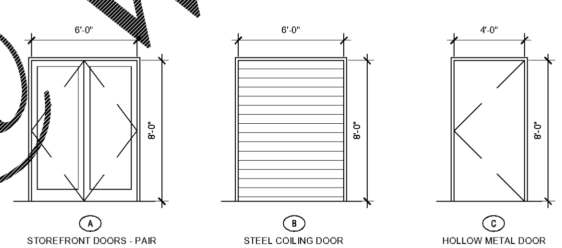
1 NORTON #8501-H, HINGE SIDE MTD, HOLD-OPEN OPERATION. (SET TO BE 5 LB MAX. OPENING FORCE) INCLUDE HOLD OPEN CLOSER, TYP. OF 1. *NEW CLOSER TO BE INSTALLED ON ALL (E) DOORS. ADJUST MOUNTING POINTS FOR MIN. 120 ROTATION.
3 HINGES, HAGER AB850, 1-\ PAIR STAINLESS STEEL MARKAR, ASSA ABLOY HINGE #B1923, SUPPORT PIVOT, USG2G.
1 ALARM EXIT DEVICE - DETEX #V40xEBxW, WEATHERIZED ALARMED RIM
1 STOP - HAGER 270C, IVES #438 FLOOR MTD. W/ RISER AS REQ'D, US26D
1 KICK PLATE 36" X 48" 16 GA. KICK PLATE. INSTALL W/ S.S. COUNTERSUNK SCREWS ON PUSH SIDE.
3 RESILIENT TYPE, REMOVABLE FOR REPLACEMENT, MTD. IN FRAME
1 HOLD OPEN FOOT, HAGER 270D-US26D
- ALUM./STEEL THRESHOLD COMPLETE W/ WEATHER-STRIPPING AND SMOKE GASKET
1 SECURITY ASTRAGAL, NATIONAL GUARD PRODUCTS #139SP FULL HEIGHT OF DOOR, INSTALL W/ SECURITY SCREWS.
1 180 DEGREE VIEWER - HAGER 1755
1 HAGER DOOR CHAIN #300D-25, US26D

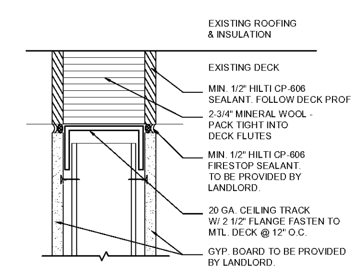
REMARKS:

ALL DOORS/HARDWARE HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.

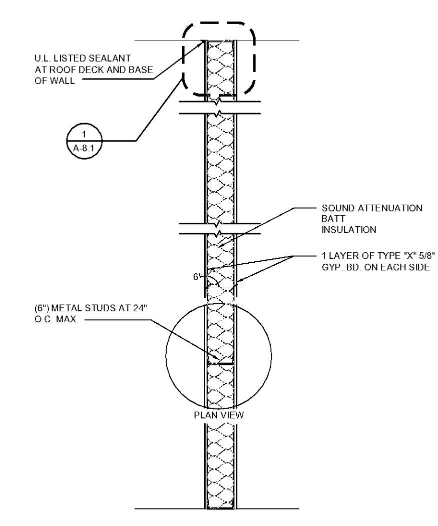
1. REFER TO HARDWARE SCHEDULE FOR HARDWARE SPECIFICATIONS.
2. ALL THRESHOLDS AT DOORWAYS SHALL BE CENTERED IN DOORWAY.
3. EXTERIOR DOORS: MAX. POUNDS OF OPERATING PRESSURE.
4. INTERIOR DOORS: MAX. 5 POUNDS OF OPERATING PRESSURE.
5. UNDERCUT ALL DOORS AS REQUIRED TO PROVIDE MIN. 3/8" CLEARANCE ABOVE FINISH FLOOR - U.N.O.
6. HARDWARE SUPPLIER VERIFY W/ FLOOR PLANS ON MOUNTING LOCATION (FLOOR OR WALL) FOR DOOR STOP.
7. FURNISH SILENCERS ON ALL DOOR FRAMES.
8. FOR ALL GLAZING IN ENTRY DOORS: U-VALUE 0.90 AND SHGC: .25.
9. ALL LOCKSETS TO BE PROVIDED WITH CONSTRUCTION CORES AS NEEDED BY THE G.C. FOR SITE SECURITY PURPOSES. PROVIDE SINGLE SOURCE INTERCHANGEABLE CORES TO OWNER AT TURNOVER FOR RE-KEYING OF ALL LOCKSETS. G.C. TO PROVIDE PRE-KEYED CYLINDERS FOR OWNER TO INSTALL.
10. TENANT SHALL REVIEW DOOR & HARDWARE SUBMITTAL FOR CONFORMANCE.

DOOR TYPES





1 / A-8.1 **TYP. HEAD WALL DTL**
SCALE: 3"=1'-0"



R1 1 HOUR RATED
U.L. DES. U419

6" MTL. W/ GYP. BD. ON BOTH SIDES

PHILLIPS
architects + engineers
770.394.1616

CONSULTANT

SEAL

ISSUE & REVISION RECORD

#	DATE	DESCRIPTION
	05/30/2019	PERMIT SUBMITTAL

This document is © Phillips Partnership, PC and is considered an Instrument of Service and is solely for use with respect to the project as indicated below. All rights reserved. This document may not be reproduced without the prior written consent of Phillips Partnership, PC.

TENANT

PROJECT

THE PROMENADE

D'IBERVILLE, MS.

CLIENT

CBL
CBL PROPERTIES

PHILLIPS JOB NUMBER 1925401
ISSUE DATE 05/30/2019
DRAWN BY/CHECKED BY MT/GC
DRAWING TITLE
SCHEDULES & DETAILS

SHEET NUMBER
A-8.1

THE PALISADES
5901 PEACHTREE DUNWOODY RD.
BUILDING A. SUITE 450
ATLANTA, GEORGIA 30328

Order Plans @ www.LDILine.com