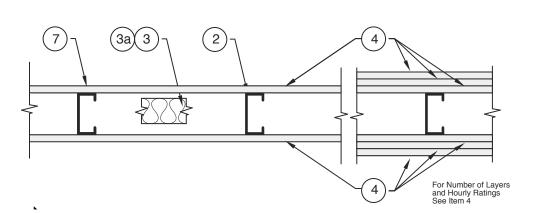
Design No. U419 Nonbearing Wall Ratings 1, 2, 3 or 4 Hr (See Items 3 & 4)



1. Floor and Ceiling Runners — (Not shown) — Channel shaped, fabricated from min 25 MSG (min 20 MSG when Item 4A is used) corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners

2. Steel Studs — Channel shaped, fabricated from min 25 MSG (min 20 MSG when Item 4A is used) corrosion-protected steel, min width as indicated under Item 4, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. Batts and Blankets* — (Required as indicated under Item 4) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 4. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

3A. 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.

4. 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:

Wallboard Protection on Each Side of Wall

Rating	Min Stud Depth	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 3)
1	3-1/2	1 layer, 5/8 in. thick	Òptionál
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.
2 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	2 in.

CANADIAN GYPSUM COMPANY - 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.

UNITED STATES GYPSUM CO - 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.

USG MEXICO S A DE C V - 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.

4A. Gypsum Board* — (As an alternate to Item 4) — 5/8 in. thick gypsum panels, installed as described in Item 4 with Type S-12 steel screws. The length and spacing of the screws as specified under Item 5.

CANADIAN GYPSUM COMPANY — Type FRX

UNITED STATES GYPSUM CO — Type FRX

4B. Gypsum Board* — (As an alternate to Items 4 and 4A) — 5/8 in. thick, 2 ft. wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 5. Joint covering (Item 7) not required.

CANADIAN GYPSUM COMPANY — Type SHX.

UNITED STATES GYPSUM CO — Type SHX.

USG MEXICO S A DE C V — Type SHX.

5. Fasteners — (Not shown) — Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). 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 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 24 in. OC. Screws offset min 6 in. from layer below.

6. 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 4A.

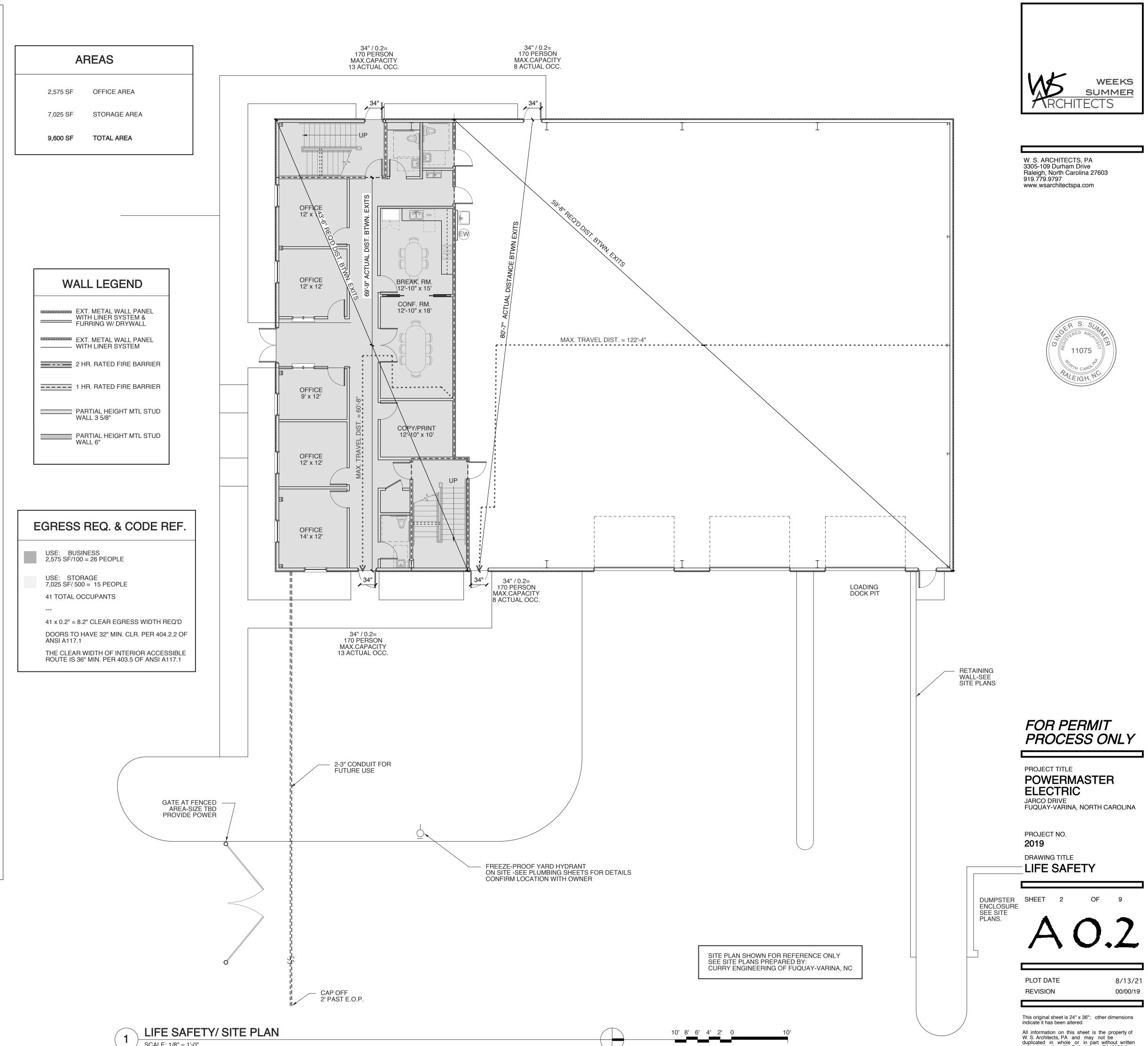
7. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum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

8. 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.

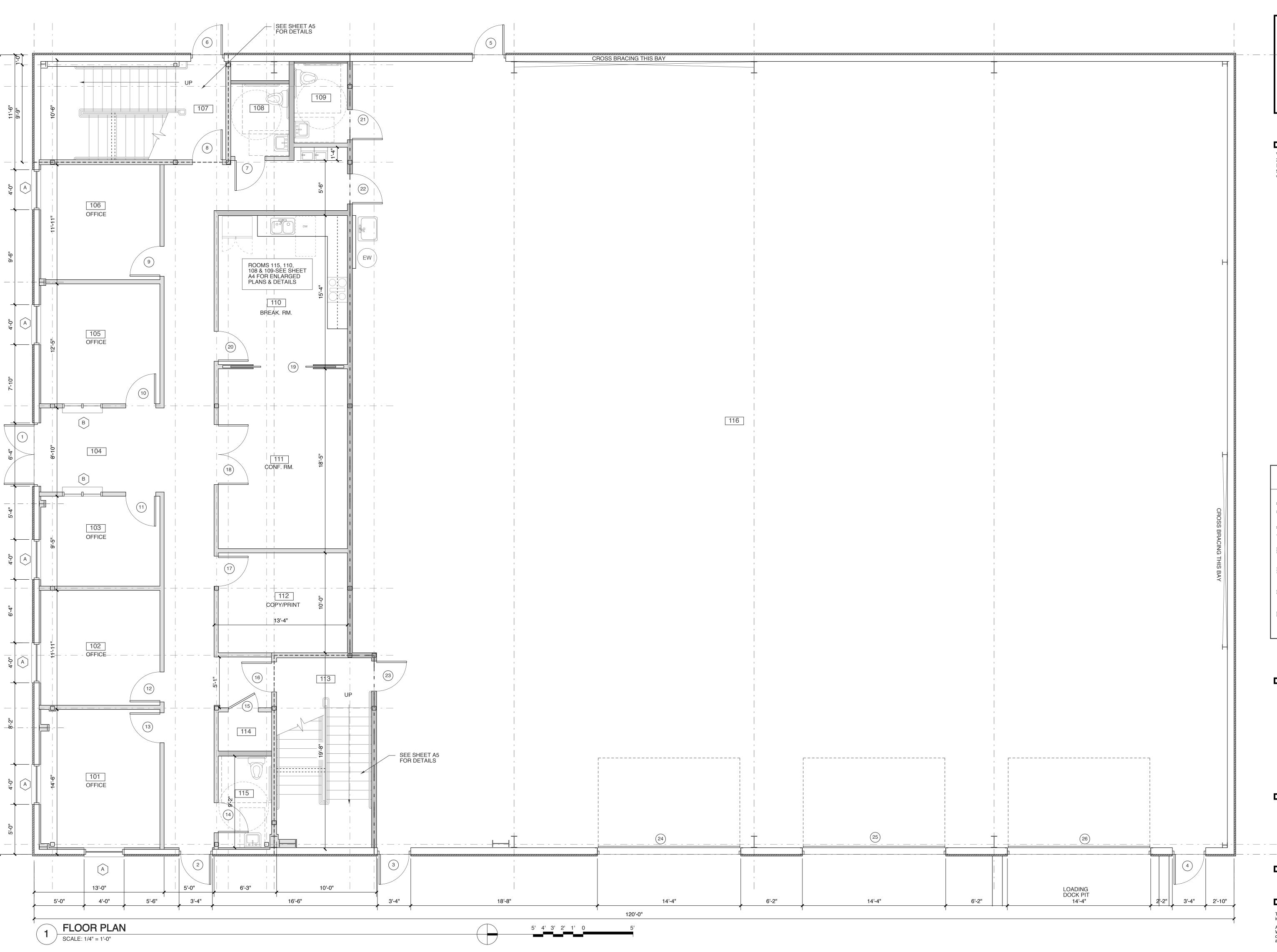
9. Caulking and Sealants* — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO - Type AS

*Bearing the UL Classification Mark



authorization from W. S. Architects, PA. 2020 ©





W. S. ARCHITECTS, PA 3305-109 Durham Drive Raleigh, North Carolina 27603 919.779.9797 www.wsarchitectspa.com





EXT. METAL WALL PANEL
WITH LINER SYSTEM &
FURRING W/ DRYWALL

EXT. METAL WALL PANEL

— WITH LINER SYSTEM

_____ 2 HR. RATED FIRE BARRIER

_____ 1 HR. RATED FIRE BARRIER

PARTIAL HEIGHT MTL STUD WALL 3 5/8"

PARTIAL HEIGHT MTL STUD WALL 6"

FOR PERMIT PROCESS ONLY

PROJECT TITLE
POWERMASTER
ELECTRIC
JARCO DRIVE

JARCO DRIVE FUQUAY-VARINA, NORTH CAROLINA

PROJECT NO. **2019**

DRAWING TITLE

1st FLOOR PLAN

SHEET 3 OF 9

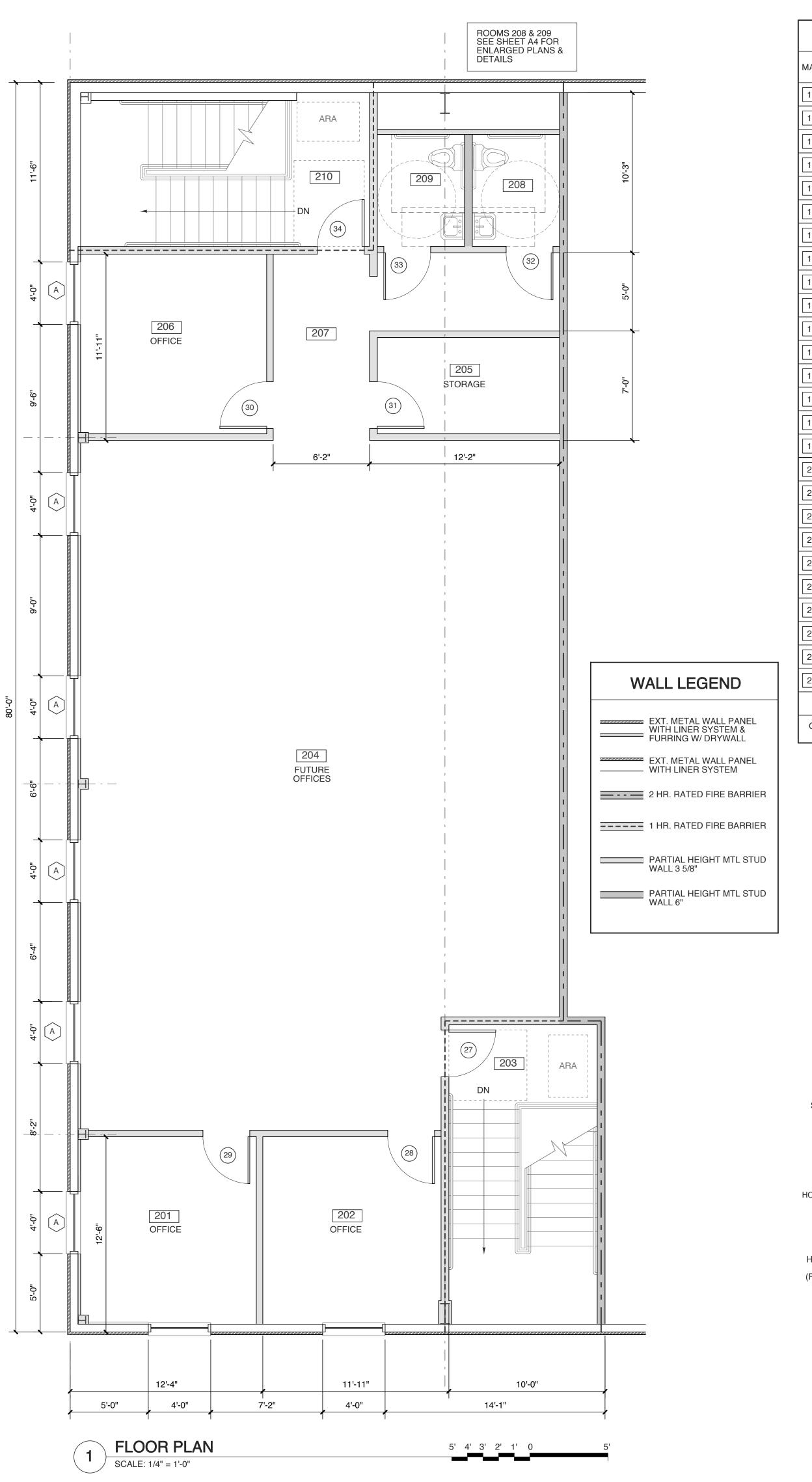
A1. 1

PLOT DATE REVISION

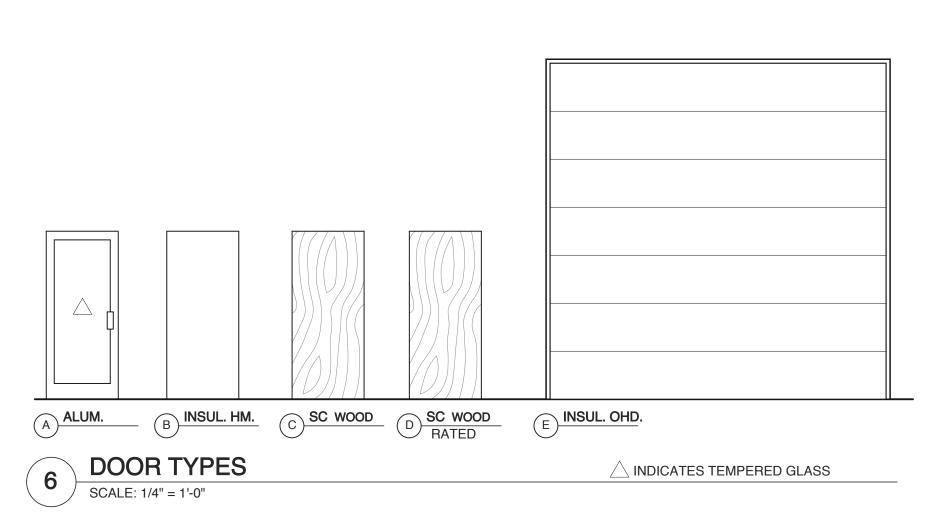
DATE 8/13/21 BION 00/00/19

This original sheet is 24" x 36"; other dimensions indicate it has been altered.

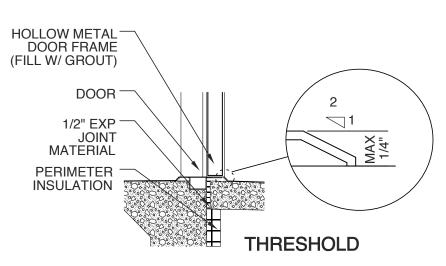
All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA. 2020 ©



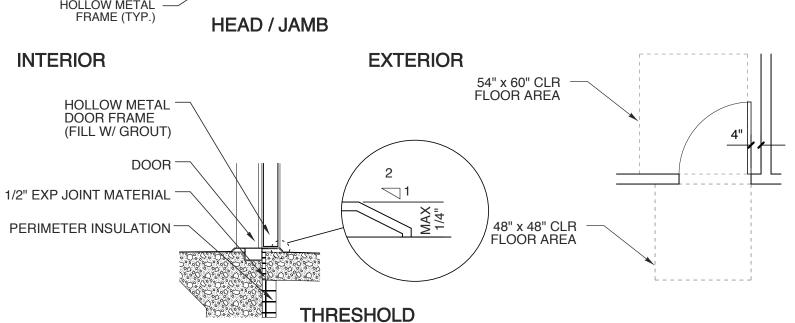
MARK	ROOM NAME	FLOOR	BASE	WALL N E S W	WAINSCOT	CEIL MATERIAL	ING HGT.	REMARKS / NOTES
101	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
102	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
103	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
104	ENTRY	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
105	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
106	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
107	STAIR 1	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	RUBBER TREADS
108	RESTROOM	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
109	RESTROOM	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
110	BREAK ROOM	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
111	CONFERENCE ROOM	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
112	COPY/PRINT	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
113	STAIR 2	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	RUBBER TREADS
114	CLOSET	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
115	RESTROOM	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
116	WAREHOUSE	SEALED CONCRETE	RUBBER	PTD. DW. @ INT.			OPEN TO STRUCTURE	RUBBER BASE @ GBW
201	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
202	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
203	STAIR 2	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	RUBBER TREADS
204	FUTURE OFFICES	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
205	STORAGE	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
206	OFFICE	CARPET	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
207	CORIDOR	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
208	RESTROOM	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
209	RESTROOM	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	
210	STAIR 1	LVT	RUBBER	PTD. DW.		ACC. TILE	8'-0"	RUBBER TREADS







HOLLOW METAL DOOR FRAME DETAIL SCALE: 3/4" = 1'-0"



ALUMINUM STOREFRONT DOOR DETAIL SCALE: 3/4" = 1'-0"

TYP. DOOR LOCATION SCALE: 1/4"= 1'-0"

INT. SOLID WOOD DOOR SCALE: 1 1/2"= 1'-0"

DOOR SCHEDULE

ALUM.

INSUL. HM.

INSUL. HM.

INSUL. HM.

INSUL. HM.

INSUL. HM.

SC. WD.

INSUL. MTL.

INSUL. MTL.

SC. WD.

INSUL. MTL. C

MARK

SIZE

3'-0" x 7'-0" x 1-3/4"

(5) | 3'-0" x 7'-0" x 1-3/4"

(8) 3'-0" x 7'-0" x 1-3/4"

(9) | 3'-0" x 7'-0" x 1-3/4"

(10) | 3'-0" x 7'-0" x 1-3/4"

(11) | 3'-0" x 7'-0" x 1-3/4"

(12) | 3'-0" x 7'-0" x 1-3/4"

(13) 3'-0" x 7'-0" x 1-3/4"

(14) | 3'-0" x 7'-0" x 1-3/4"

(15) | 3'-0" x 7'-0" x 1-3/4"

(16) 3'-0" x 7'-0" x 1-3/4"

(17) | 3'-0" x 7'-0" x 1-3/4"

(18) 3'-0" x 7'-0" x 1-3/4"

(19) 3'-0" x 7'-0" x 1-3/4"

(20) 3'-0" x 7'-0" x 1-3/4"

(21) | 3'-0" x 7'-0" x 1-3/4"

(22) | 3'-0" x 7'-0" x 1-3/4"

(23) 3'-0" x 7'-0" x 1-3/4"

(24) | 3'-0" x 7'-0" x 1-3/4"

(25) 3'-0" x 7'-0" x 1-3/4"

(26) 3'-0" x 7'-0" x 1-3/4"

(27) 3'-0" x 7'-0" x 1-3/4"

(28) | 3'-0" x 7'-0" x 1-3/4"

(30) 3'-0" x 7'-0" x 1-3/4"

(31) 3'-0" x 7'-0" x 1-3/4"

(32) 3'-0" x 7'-0" x 1-3/4"

(33) 3'-0" x 7'-0" x 1-3/4"

NOTES:

3'-0" x 7'-0" x 1-3/4"

(29) 3'-0" x 7'-0" x 1-3/4" SC. WD. C

· COORDINATE KEYING OF HARDWARE WITH OWNER

· ALL DOORS TO MEET NCSBC SECTION 1609.1.2

DOOR HANDLES TO BE LEVER HANDLE

FRAME

TYPE | DETAILS | SET NO.

ALUM

INSUL HM

INSUL HM

INSUL HM

INSUL HM

INSUL HM

INSUL. STL.

INSUL. STL.

INSUL. STL.

HM

HM

HM

HM

HM

HM

HM

HEAD

THRESHOLD

REMARKS

1 HR. RATED

1 HR. RATED

2 HR. RATED

2 HR. RATED

2 HR. RATED

1 HR. RATED

1 HR. RATED

- 5/8" DRYWALL (BOTH SIDES)

- CAULK BOTH SIDES

DOOR

WALL STUDS

5/8" DRYWALL

HOLLOW METAL FRAME

HOLLOW METAL FRAME

HOLLOW METAL FRAME

- FINISH FLOOR MATERIAL

THRESHOLD (IF REQUIRED)

HARDWARE SETS

PRIVACY SET

PASSAGE SET

CONFIRM WITH OWNER

LOCK SET W/ CLOSER PRIVACY SET W/ CLOSER

PASSAGE SET W/ CLOSER

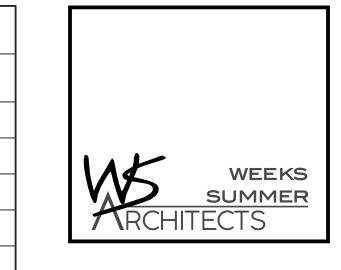
VERIFY OPENING DIMS W/ MANF.

VERIFY OPENING DIMS W/ MANF.

VERIFY OPENING DIMS W/ MANF.

4

4



W. S. ARCHITECTS, PA 3305-109 Durham Drive Raleigh, North Carolina 27603 919.779.9797 www.wsarchitectspa.com



FOR PERMIT PROCESS ONLY

PROJECT TITLE **POWERMASTER ELECTRIC**

JARCO DRIVE FUQUAY-VARINA, NORTH CAROLINA

PROJECT NO. 2019

DRAWING TITLE 2nd FLOOR PLAN

8/13/21

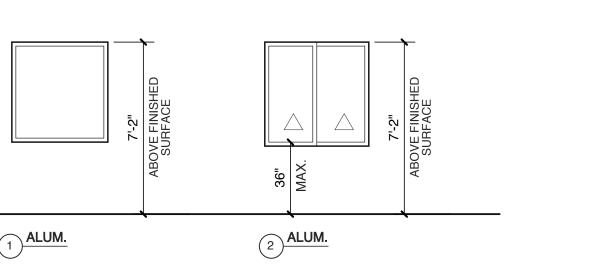
00/00/19

PLOT DATE REVISION

This original sheet is 24" x 36"; other dimensions indicate it has been altered.

All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA. 2020 ©

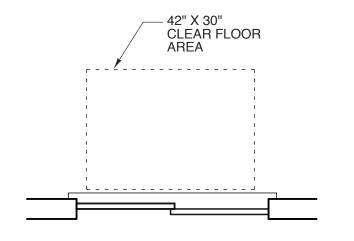
WINDOW SCHEDULE					EDULE
MARK	W SIZE H	TYPE	MATERIAL	GLASS	REMARKS
A	4'-0" x 4'-2"	1	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
В	4'-4" x 4'-4"	2	ALUMINUM	TEMPERED	SLIDING
-FIELD -INCLU -ALL W	/INDOW TYPE ELE\ VERIFY ALL OPEN	IING SIZES. AK PER MA NCSBC SE	DIMENSIONS (NUFACTURER'S CTION 1609.1.2	GIVEN FOR REFERENCE. STANDARDS WITH ALL FRAME IENTS.	S.

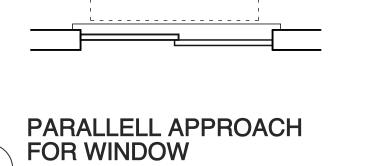


WINDOW TYPES

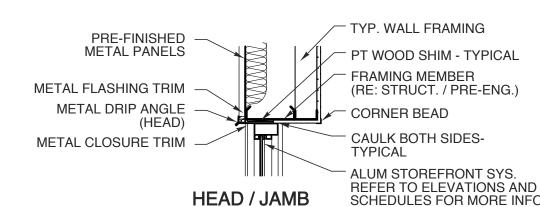
 \triangle INDICATES TEMPERED GLASS

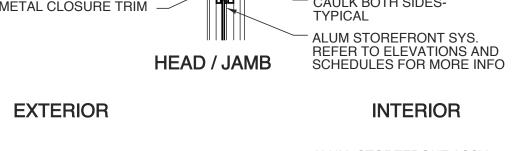
SCALE: 1/4" = 1'-0"

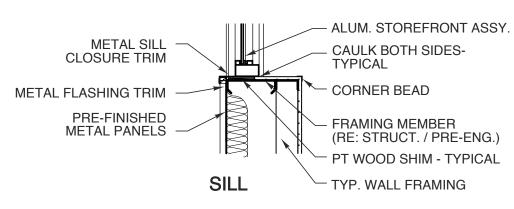




SCALE: 1/2"= 1'-0"





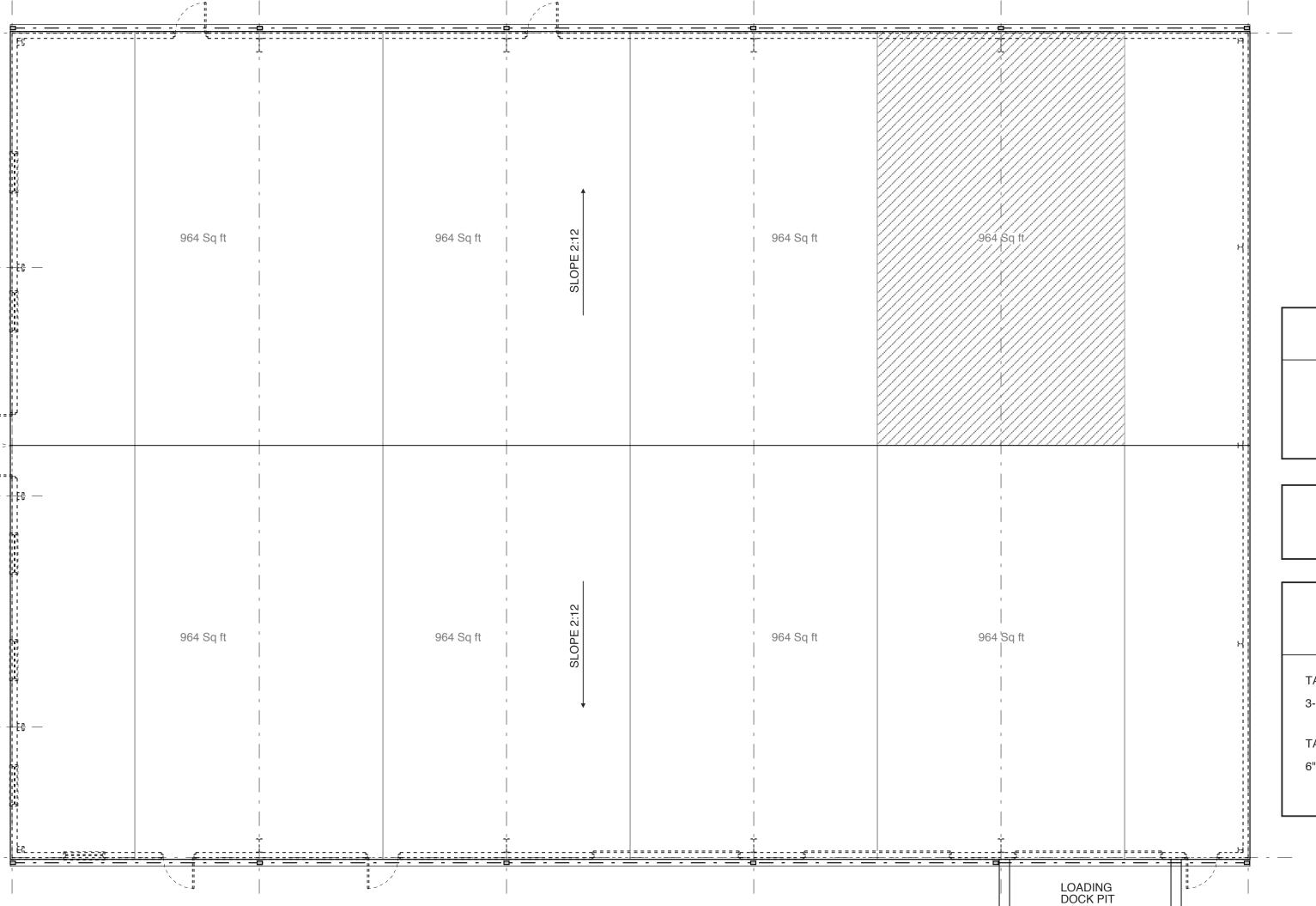






W. S. ARCHITECTS, PA 3305-109 Durham Drive Raleigh, North Carolina 27603 919.779.9797 www.wsarchitectspa.com





ROOF DRAINAGE LEGEND

3.5" x 5" VERTICAL LEADER

___ - __ 6" EAVE GUTTER @ 1/8:12 SLOPE

ALL ROOF PENETRATIONS TO BE PAINTED TO MATCH ROOF.

ROOF DRAINAGE CALCULATIONS PER 2012 NC PLUMBING CODE

TABLE 1106.2 (2) RECTANGULAR VERTICAL LEADERS 3-1/2 X 5 @ 4"/HR 5,320 SF MAX AREA

TABLE 1106.6 SIZE OF SEMI-CIRCULAR ROOF GUTTERS 1,360 SF MAX AREA 6" DIA. @4"/HR

@ 1/8: 12 (1%) SLOPE

FOR PERMIT PROCESS ONLY

JARCO DRIVE FUQUAY-VARINA, NORTH CAROLINA

POWERMASTER

PROJECT TITLE

ELECTRIC

PROJECT NO.

DRAWING TITLE

ROOF PLAN

2019

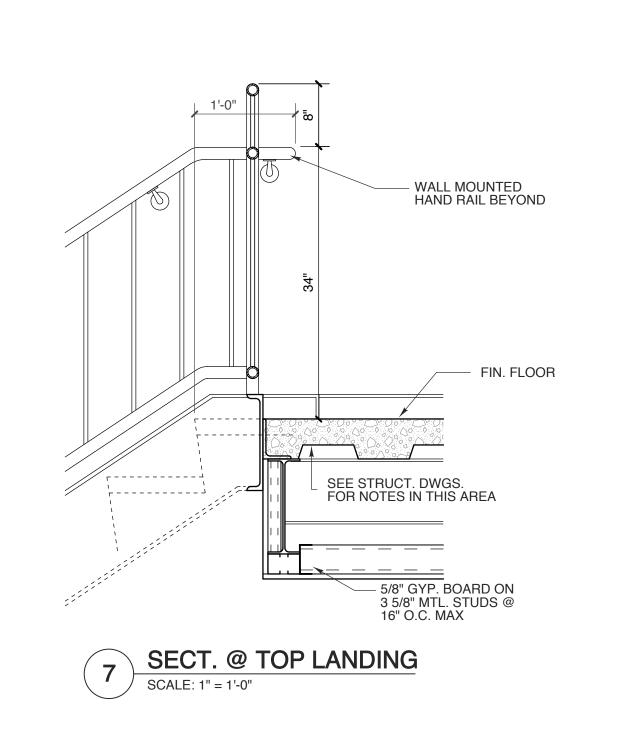
PLOT DATE REVISION

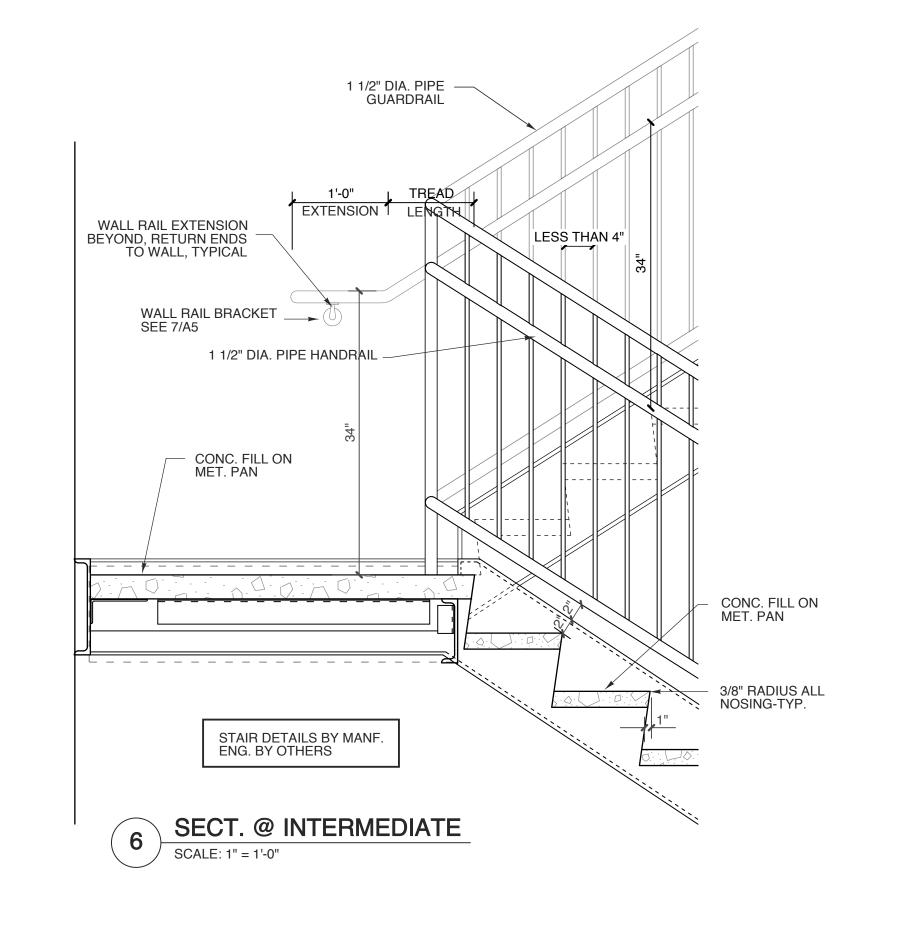
This original sheet is 24" x 36"; other dimensions indicate it has been altered.

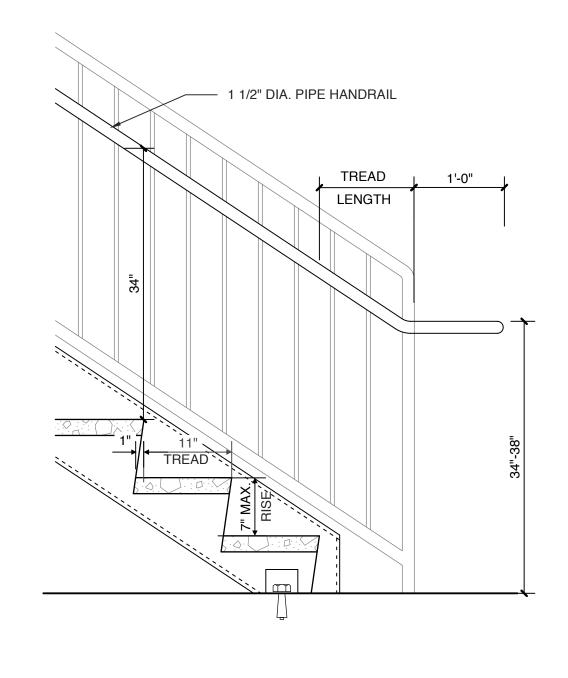
ROOF PLAN

SCALE: 1/8" = 1'-0"

All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA. 2020 ©









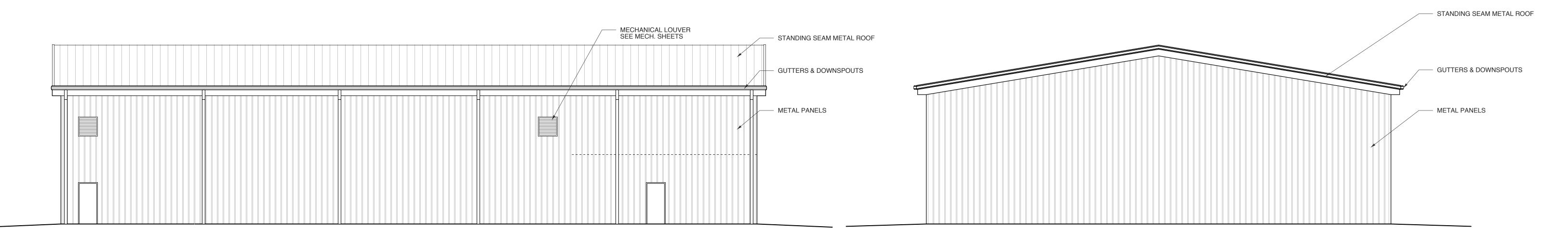
WEEKS

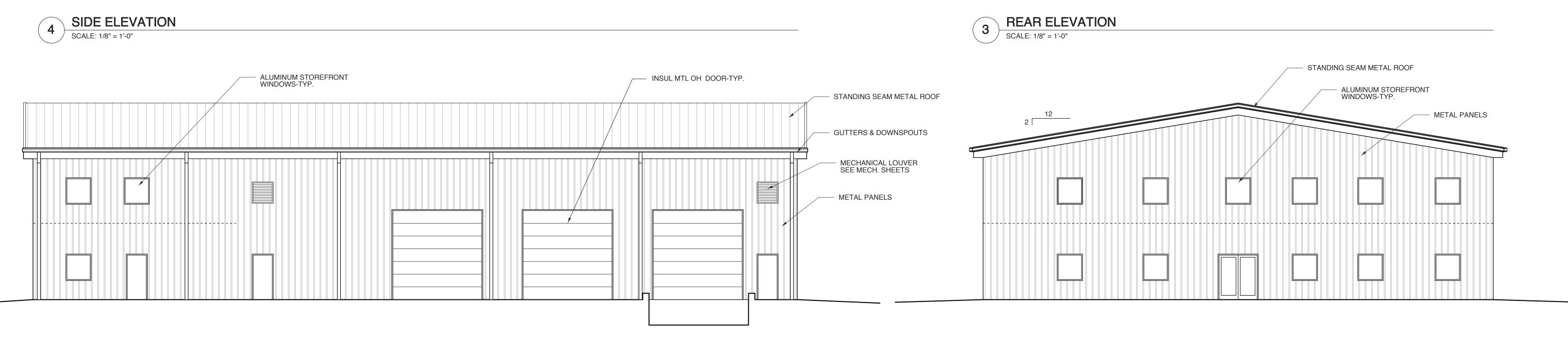
SUMMER



SECT. @ BOTTOM LANDING

SCALE: 1" = 1'-0"





FRONT ELEVATION

SCALE: 1/8" = 1'-0"

FOR PERMIT PROCESS ONLY

JARCO DRIVE FUQUAY-VARINA, NORTH CAROLINA

POWERMASTER

PROJECT TITLE

ELECTRIC

PROJECT NO.

DRAWING TITLE

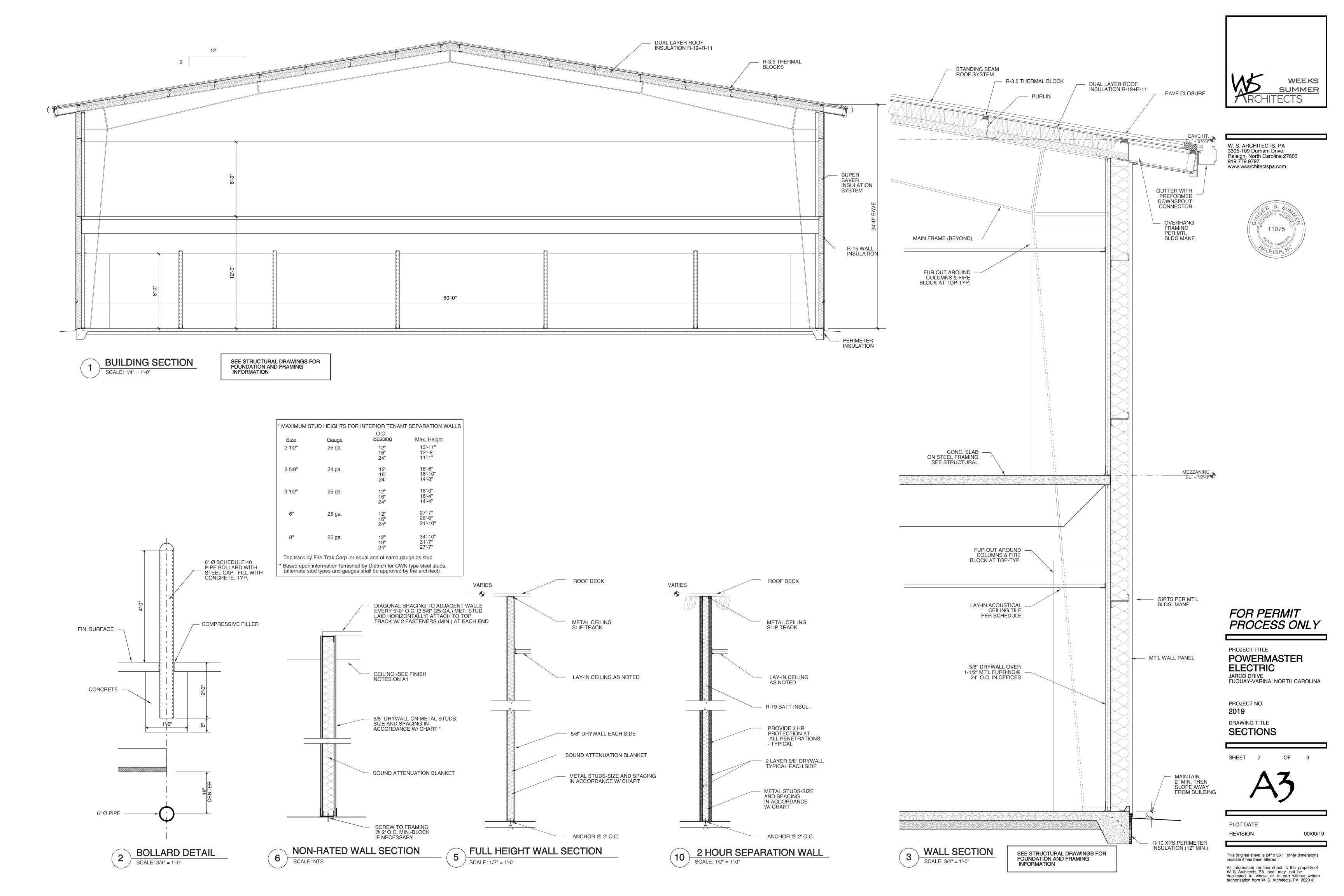
ELEVATIONS

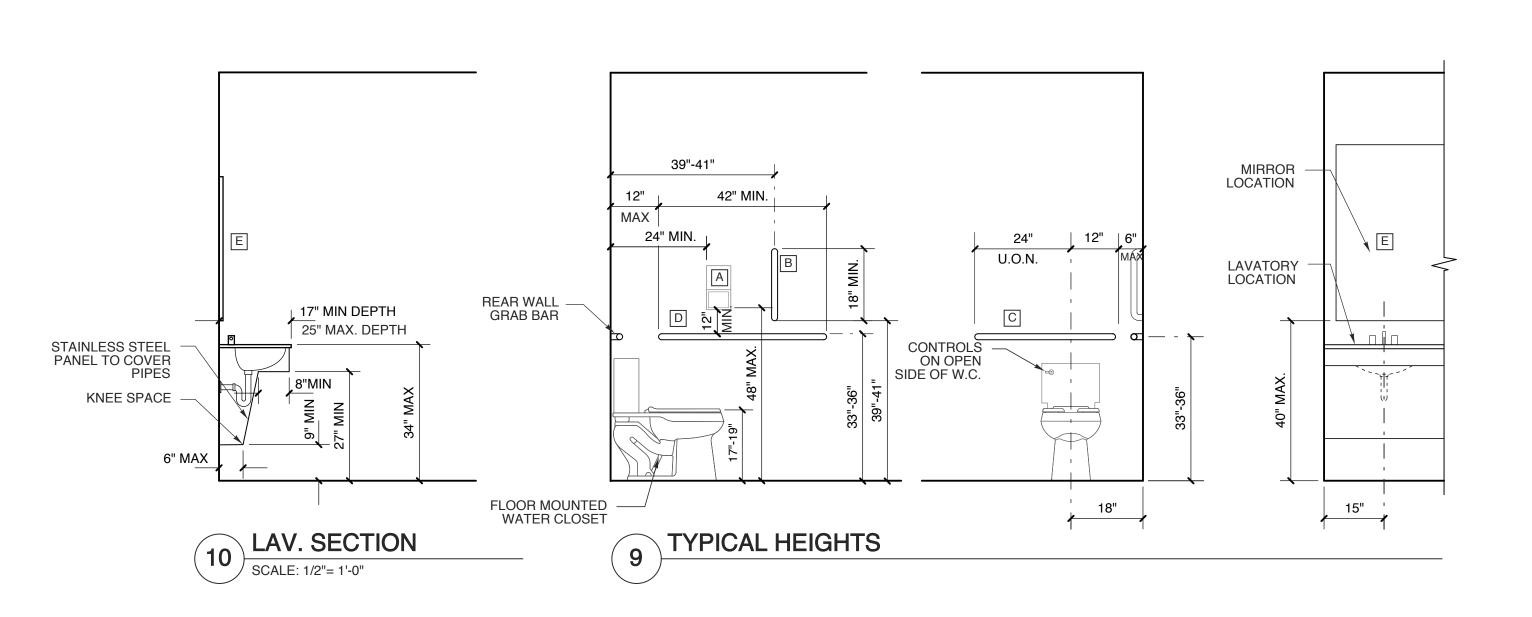
2019

PLOT DATE 8/13/21 00/00/19

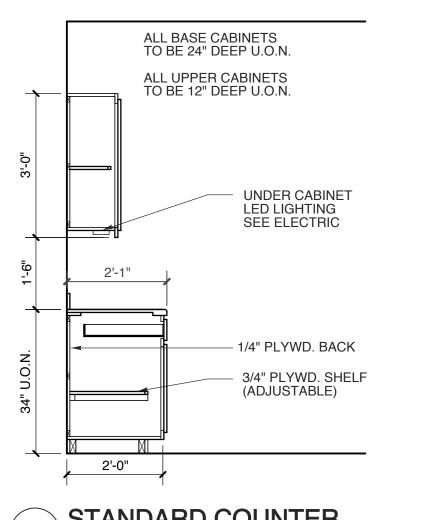
This original sheet is 24" x 36"; other dimensions indicate it has been altered. All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA. 2020 ©

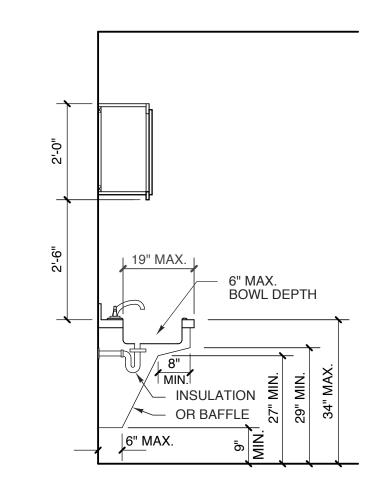
SIDE ELEVATION SCALE: 1/8" = 1'-0"

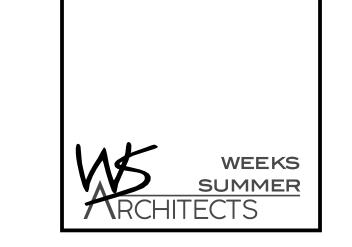




MARK	ITEM	MOUNT
Α	SURFACE-MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER (B-4288)	15" MIN. A.F.S.
В	18" VERTICAL GRAB BAR (B-6806X18)	33"-36" A.F.S.
С	36" HORIZONTAL GRAB BAR (B-6806X36)	33"-36" A.F.S.
D	42" HORIZONTAL GRAB BAR (B-6806X42)	33"-36" A.F.S.
E	WELDED FRAME MIRROR (B-290-5030)	RE: ELEV.





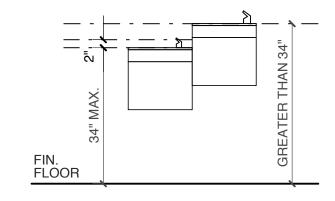


W. S. ARCHITECTS, PA 3305-109 Durham Drive Raleigh, North Carolina 27603 919.779.9797 www.wsarchitectspa.com

11075

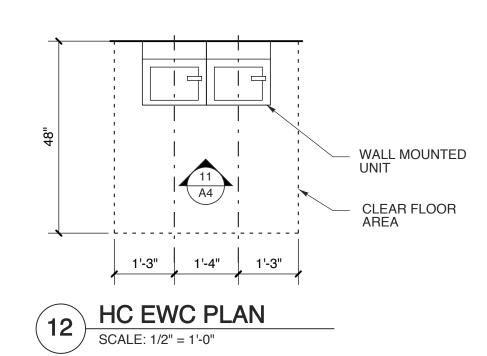


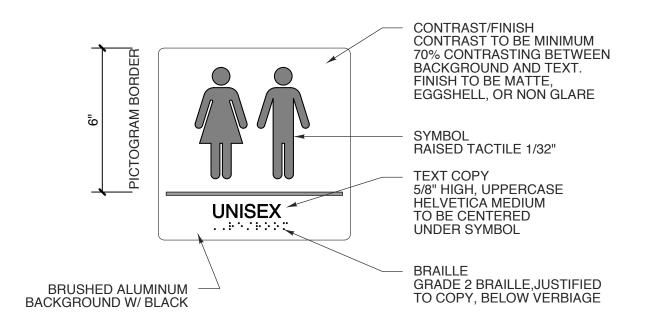




HC EWC ELEVATION

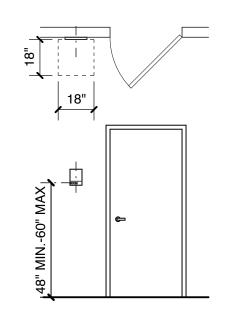
SCALE: 1/2" = 1'-0"





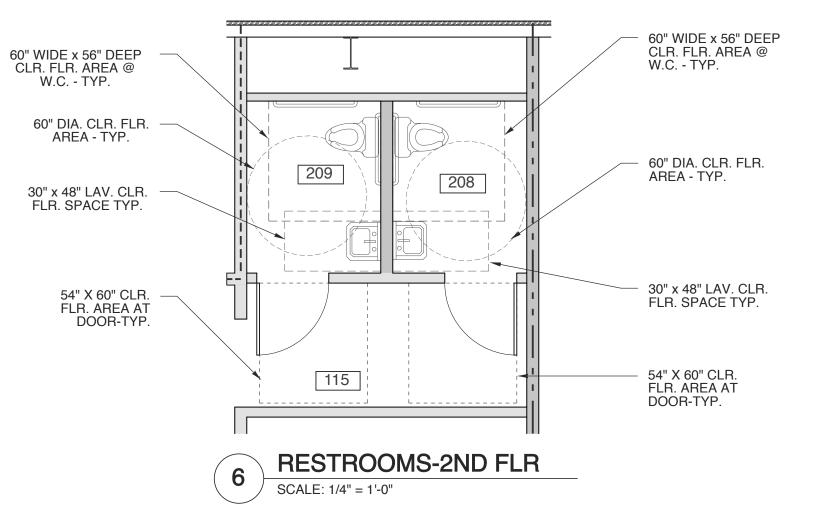
13 TYP. SIGNAGE

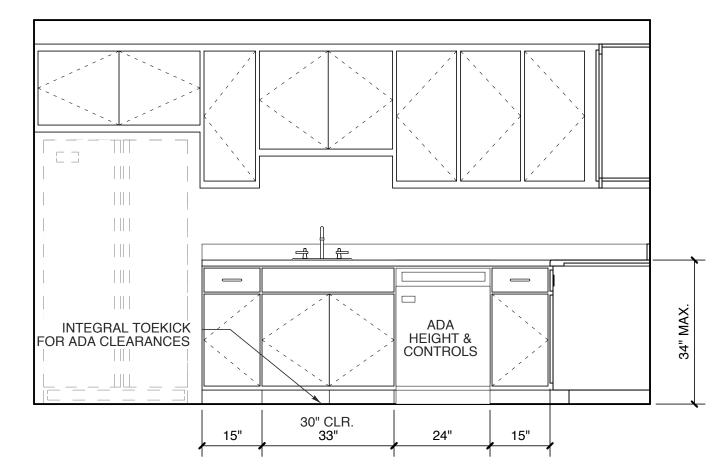
SCALE: 3" = 1'-0"



SIGNAGE PLACEMENT

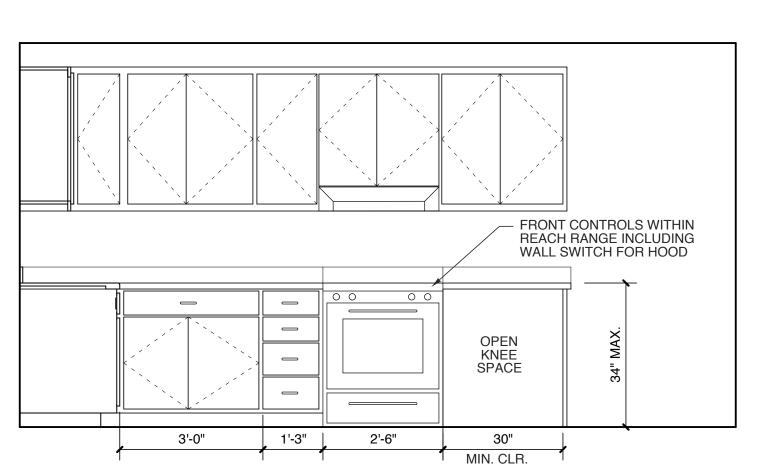
SCALE: 1/4" = 1'-0"





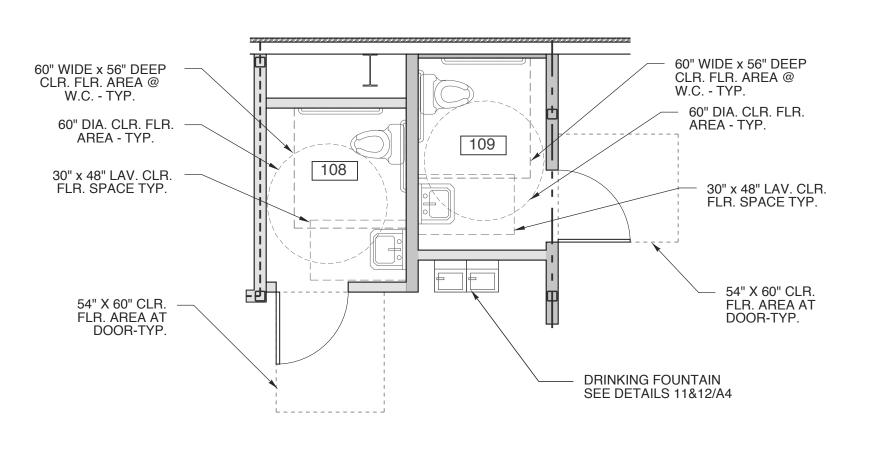
4 BREAKROOM 110

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



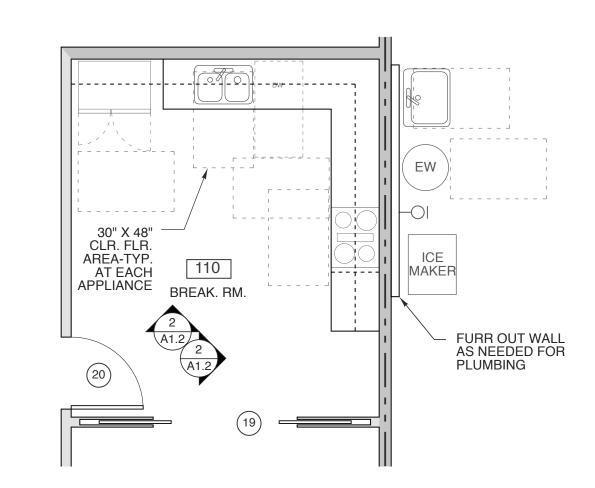
BREAKROOM 110

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



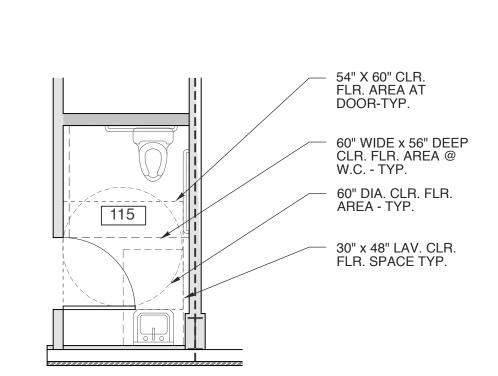
5 RESTROOMS-1ST FLR

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



BREAK ROOM

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



RESTROOM

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



PROJECT TITLE
POWERMASTER
ELECTRIC
JARCO DRIVE
FUQUAY-VARINA, NORTH CAROLINA

PROJECT NO.
2019
DRAWING TITLE
DETAILS

SHEET 8 OF 8



PLOT DATE 8/13/21
REVISION 00/00/19

This original sheet is 24" x 36"; other dimensions indicate it has been altered.

All information on this sheet is the property of W. S. Architects, PA and may not be duplicated in whole or in part without written authorization from W. S. Architects, PA. 2020 ©

