

SUBMITTAL FORM: FF30 PERFORMANCE SERIES DOOR

PROJECT NAME: _____

PROJECT #: _____



A SENNECA COMPANY

DOOR QUANTITY: _____

DOOR SIZE

- A) FF30 14'-0" x 14'-0"
- B) FF30 12'-0" x 14'-0"
- C) FF30 FLEX* _____ W x _____ H
(CONTACT SALES FOR PRICING)

SELECTION: _____

WINDOW LAYOUTS

- A) CLASSIC - 4 WINDOWS
- B) CLASSIC - 3 WINDOWS
- C) CLASSIC - 2 WINDOWS MID
- D) CLASSIC - 2 WINDOWS HIGH
- E) CLASSIC - 1 WINDOW
- F) CLASSIC - SOLID
- G) CLASSIC - 2 TALL WINDOWS
- H) CLASSIC - 1 TALL WINDOW MID
- J) CLASSIC - 1 TALL WINDOW HIGH
- K) EDGE - 3 WINDOWS
- L) EDGE - 2 WINDOWS MID
- M) EDGE - 2 WINDOWS HIGH
- N) EDGE - 1 WINDOW ROW 2
- P) EDGE - 1 WINDOW ROW 3
- Q) EDGE - 1 WINDOW ROW 4
- R) EDGE - NO GLASS
- S) EDGE - 1 TALL WINDOW HIGH

SELECTION: _____

OPERATION

- A) POWER
- B) MANUAL - INCLUDES 2 SPRING BOLTS
*EXCLUDES OPERATOR AND ALL ELECTRICAL COMPONENTS

SELECTION: _____

NOTES:

INCOMING ELECTRICAL

- A) 110-120VAC SINGLE PHASE
- B) 208-240VAC SINGLE PHASE
- C) 208-240VAC THREE PHASE
- D) 460-480VAC THREE PHASE

SELECTION: _____

GLASS TINT

- A) **STANDARD** - PILKINGTON ENERGY ADVANTAGE/CLEAR

ADDITIONAL OPTIONS (NOT INCLUDED IN BASE PRICE)

- B) PILKINGTON ENERGY ADVANTAGE/GREY
- C) PILKINGTON ENERGY ADVANTAGE/BRONZE
- D) SOLARBAN 60/CLEAR
- E) SOLARBAN 60/GREY
- F) SOLARBAN 60/BRONZE
- G) SOLARBAN 70/CLEAR
- H) SOLARBAN 70/GREY
- J) SOLARBAN 70/BRONZE
- K) SUPERNEUTRAL 68/CLEAR
- L) SUPERNEUTRAL 68/GREY
- M) SUPERNEUTRAL 68/BRONZE
- CUSTOM TINT (ADD TO NOTES SECTION)

SELECTION: _____

FINISH SCHEDULE

- SURFACE MOUNTED FRAMING AND COMPONENTS (MANUFACTURES STANDARD GRAY)
- ROLLER TRACK (GALVANIZED STEEL)

SELECTED DOOR PANEL FINISH RAL #: _____

BUILDING MATERIAL

- A) CMU (1/2" x 5-1/2" EXPANSION ANCHORS)
- B) PRECAST (1/2" x 5-1/2" EXPANSION ANCHORS)
- C) STEEL (1/2" x 1-1/2" THREAD FORMING FASTENERS)
- D) WOOD (1/2" x 6" LAG BOLTS)

SELECTION: _____

ADDITIONAL OPTIONS ** (NOT INCLUDED IN BASE PRICE)

- WARNING STROBE/ALARM **QUANTITY PER OPENING:** _____
- LOOP DETECTOR (LOOP WIRE BY OTHERS)
- RED/GREEN LED LIGHT STRIPS (1 PAIR PER OPENING)
- INTERIOR SWING PATH SAFETY EDGE (1 PAIR PER OPENING)

THREE BUTTON PUSHBUTTON STATION (1 SURFACE MOUNT PER OPENING INCLUDED IN BASE PRICE)

- SURFACE MOUNT (ADDITIONAL) **ADDITIONAL PER OPENING:** _____
- FLUSH MOUNT (REPLACES SURFACE MOUNT) **QUANTITY PER OPENING:** _____

MASTER PUSHBUTTON STATION

- FLUSH MOUNTED **NUMBER OF OPENINGS CONTROLLED:** _____ **QUANTITY PER JOB SITE:** _____
- SURFACE MOUNTED **NUMBER OF OPENINGS CONTROLLED:** _____ **QUANTITY PER JOB SITE:** _____

MULTI DOOR COMMAND BUTTON (MUSHROOM BUTTON)

- UP TO 3 DOOR COMMAND **QUANTITY PER JOB SITE:** _____
- UP TO 6 DOOR COMMAND **QUANTITY PER JOB SITE:** _____

MOUNTING EXTENSION CLIPS

- JAMBS (4 PER OPENING)
- HEADER (2 PER OPENING)

* FLEX AVAILABLE IN SIZES 7' 6" TO 16' 0" IN WIDTH AND HEIGHT
 - FLEX/CUSTOM SUBMITTAL PACKETS TO BE PROVIDED SEPARATELY
 ** MORE OPTIONS AVAILABLE FOR FF30 CUSTOM

APPROVAL TO RELEASE FOR PRODUCTION

CUSTOMER SIGNATURE: _____

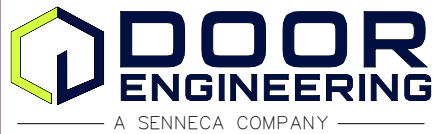
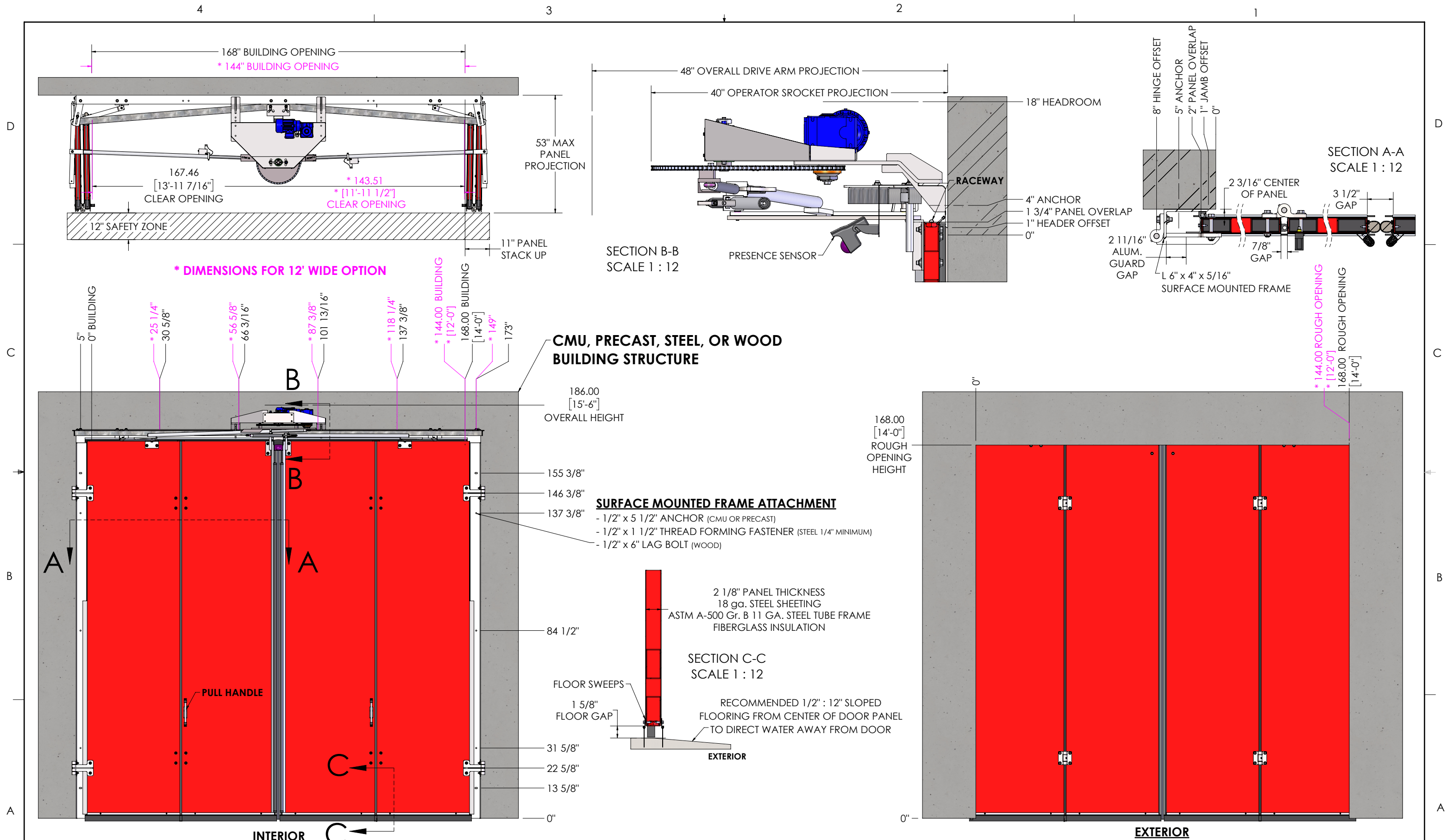
DATE: _____

REQUESTED SHIP WEEK: _____



DRAWINGS ARE THE EXCLUSIVE PROPERTY OF DOOR ENGINEERING AND MANUFACTURING, LLC AND CANNOT BE USED IN WHOLE OR PART WITHOUT WRITTEN CONSENT.

SIZE B	TITLE: FF30 SUBMITTAL FORM	REV 6
SCALE: NTS	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
		SHEET 1 OF 4

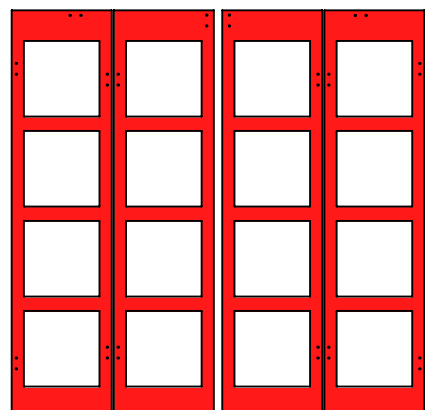


DRAWINGS ARE THE EXCLUSIVE PROPERTY OF DOOR ENGINEERING AND MANUFACTURING, LLC AND CANNOT BE USED IN WHOLE OR PART WITHOUT WRITTEN CONSENT.

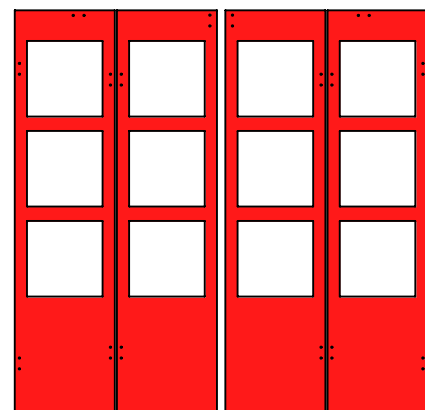
SIZE	TITLE	REV
B	FF30 SUBMITTAL FORM	6
SCALE: 1:40	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	SHEET 2 OF 4

WINDOW LAYOUTS: REFER TO SHEET 1 FOR SELECTED WINDOW LAYOUT

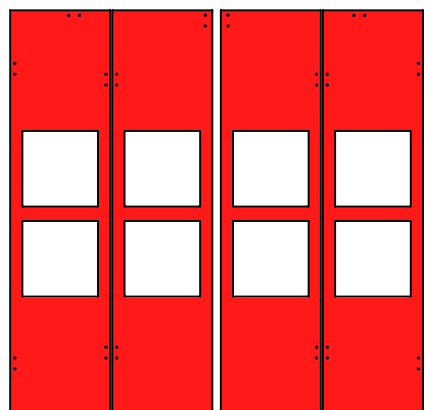
FF30-CLASSIC LAYOUTS: FLUSH PANELS



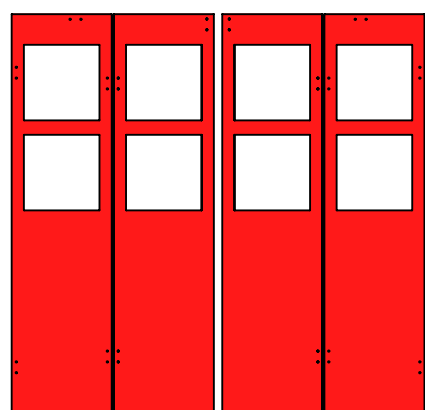
LAYOUT A
4 WINDOW



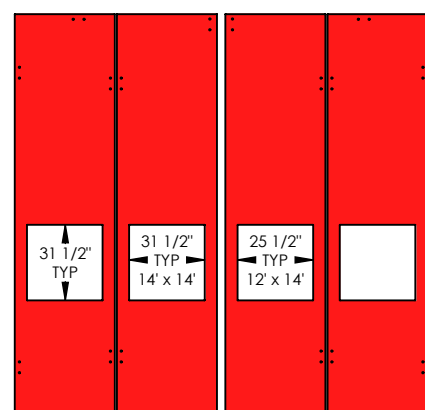
LAYOUT B
3 WINDOW



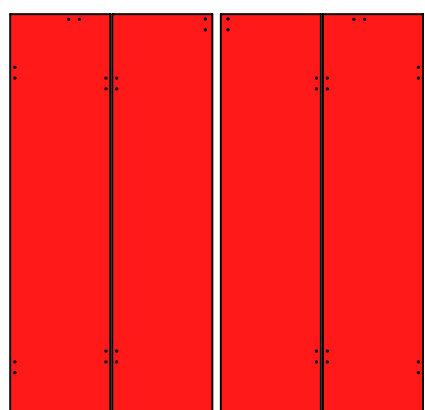
LAYOUT C
2 WINDOW MID



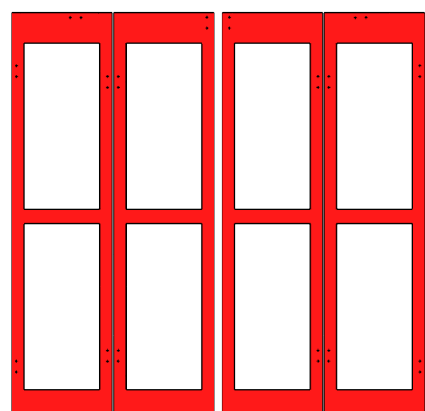
LAYOUT D
2 WINDOW HIGH



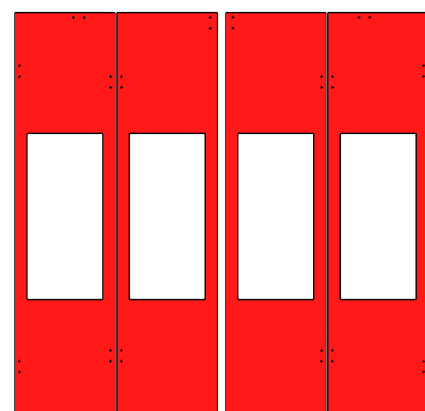
LAYOUT E
1 WINDOW



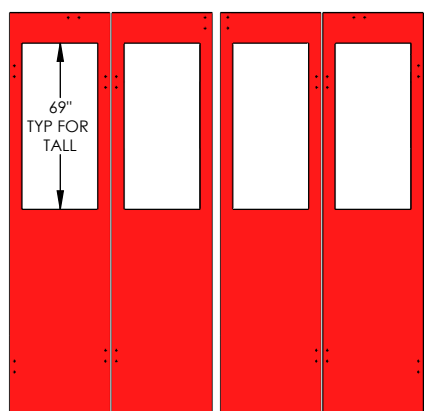
LAYOUT F
SOLID



LAYOUT G
2 TALL WINDOWS

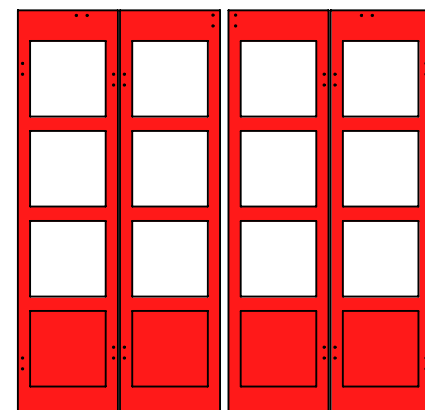


LAYOUT H
1 TALL WINDOW MID

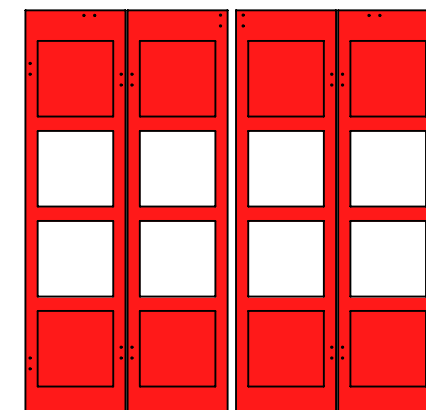


LAYOUT J
1 TALL WINDOW HIGH

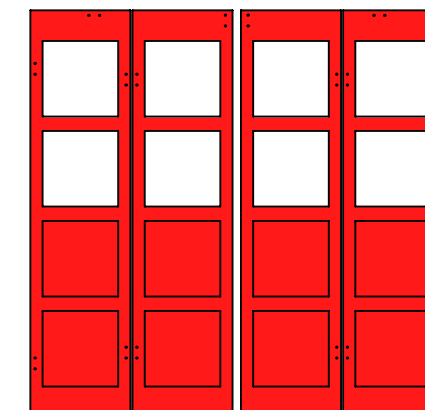
FF30-EDGE LAYOUTS: INSET PANELS



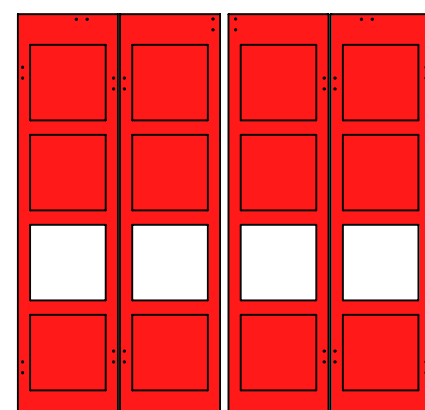
LAYOUT K
3 WINDOW



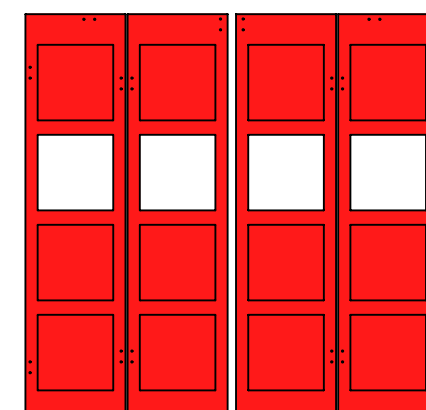
LAYOUT L
2 WINDOW MID



LAYOUT M
2 WINDOW HIGH



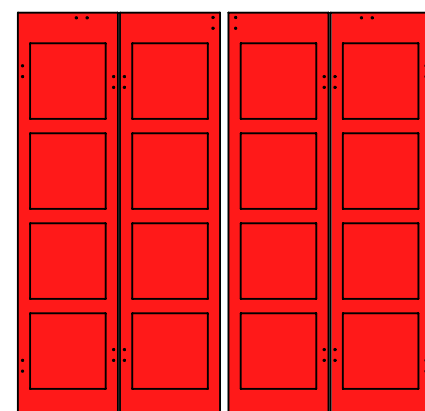
LAYOUT N
1 WINDOW ROW 2



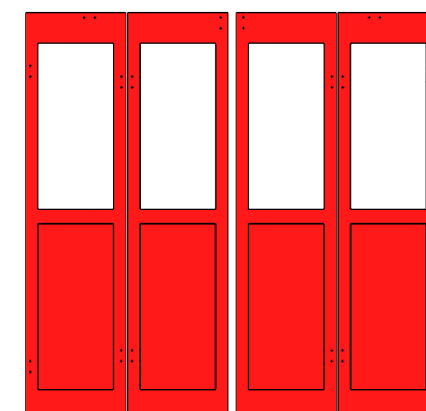
LAYOUT P
1 WINDOW ROW 3



LAYOUT Q
1 WINDOW ROW 4

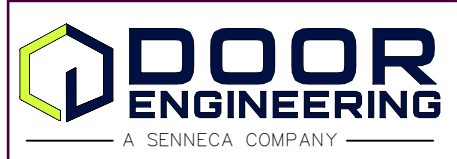


LAYOUT R
NO GLASS

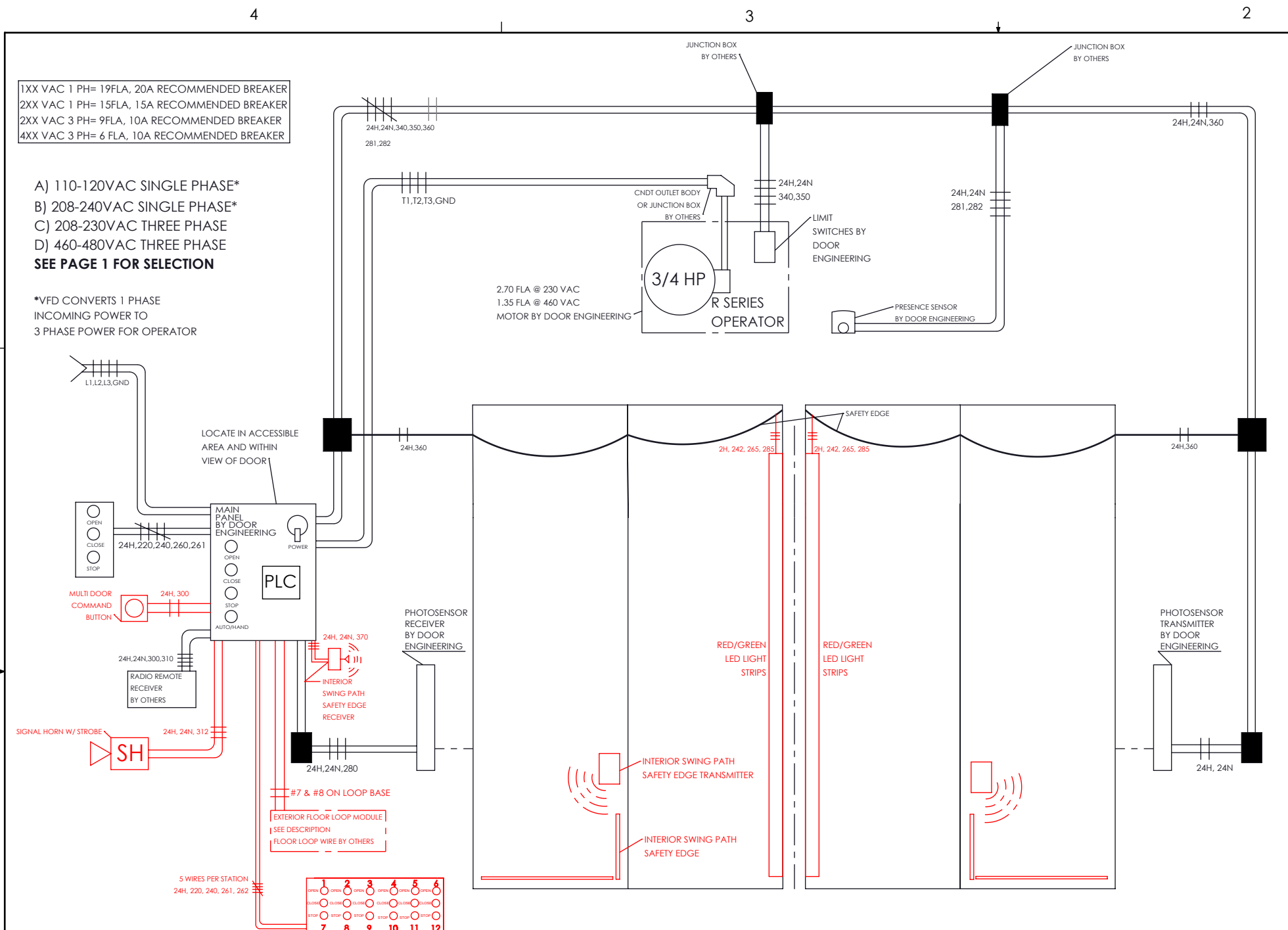


LAYOUT S
1 TALL WINDOW HIGH

- NOTES:**
1. GLAZING SHALL BE 1" INSULATED TEMPERED SAFETY GLASS, SEE SHEET 1 FOR SELECTION.
 2. FF30-EDGE SERIES SHALL HAVE 1" INSULATED INFILL PANELS.
 3. ALL GLAZING (AND INFILL PANELS) TO BE FACTORY INSTALLED AND CAULKED.



DRAWINGS ARE THE EXCLUSIVE PROPERTY OF DOOR ENGINEERING AND MANUFACTURING, LLC AND CANNOT BE USED IN WHOLE OR PART WITHOUT WRITTEN CONSENT.		
SIZE B	TITLE: FF30 SUBMITTAL FORM	REV 6
SCALE: 1:80	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	SHEET 3 OF 4

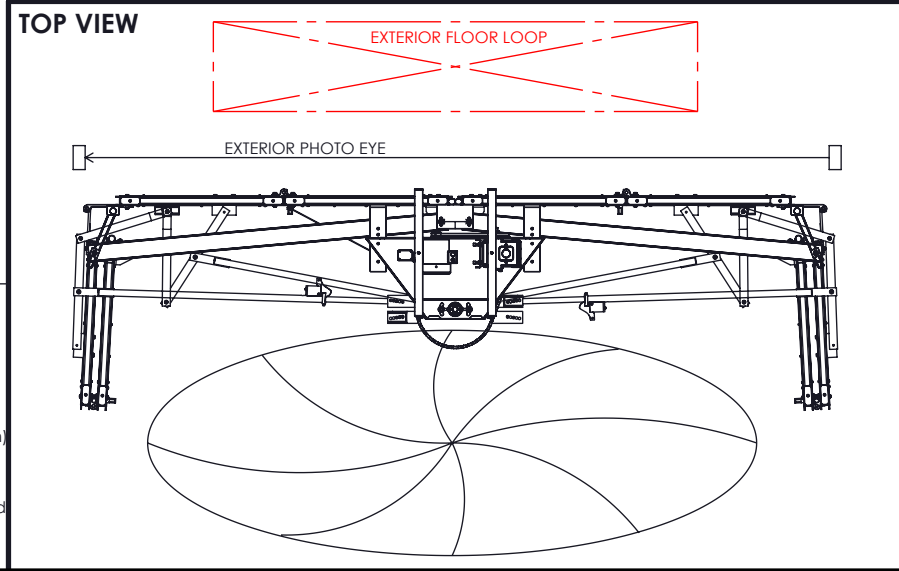


Equipment Provided by Door Engineering:

- 1) **Control Panel, 1 per door**
 - "Open," "Close," "Stop," "Auto/Hand" pushbuttons on face
 - 16" x 14" x 8", NEMA 4 rated
 - Amp monitoring
 - VFD to adjust speed
 - Face mounted PLC
 - Pad lockable
 - Power Disconnect (non-fused)
- 2) **Remote Pushbutton Station, "Surface Mount," Default 1 per door**
 - "Open," "Close," and "Stop" pushbuttons
 - 5.75" x 2.75" x 2.5", NEMA 4 rated, raised pushbuttons
- 3) **Electric Safety Edge Monitored**
 - SO-rated cord
 - Safety Edge will not open a closed door
 - Safety Edge will stop a closing door upon activation and return to "open" position
- 4) **Safety Light Curtain, "Surface Mount", 1 per door**
 - Must be wired to use Normally Closed (N.C.) contacts
 - Thru-beam (transmitter/receiver type)
 - Activation stops a closing door and returns door to "open" position
 - Activation stops an opening door and waits for command
 - Minimum IP67 Rated
- 5) **Presence Sensor, 1 per door**
 - 1 Remote Control per job site
 - Activation stops a closing door and returns door to "open" position

ADDITIONAL OPTIONS: (Not included in base price, see Sheet 1 for selections)

- **Signal Horn w/ Strobe**
 - Active when the door is Opening and/or Closing
 - 24VDC, 95DBA @ 10'
- **Loop Detector, Close/Hold (Loop wire by others)**
 - Holds open an "open" door
 - Activates close timer (Timer Program #2)
 - Stops a "closing" door and returns to "open" position
- **Red/Green LED light strip**
 - 60" long red/green LED strip 24V DC
 - Red when door is closed
 - Red flashing when door is in operation
 - Green when door is fully open
- **Interior Swing Path Safety Edge - Monitored, 2 per door**
 - 2 wireless transmitters
 - 1 receiver
 - Swing Path Safety Edge will not close an opened door
 - Swing Path Safety Edge will stop a opening door and wait for command
- **Remote Pushbutton Station, "Flush Mount"**
 - "Open," "Close," and "Stop" pushbuttons
 - 4.25" x 2.75" (Faceplate), 4.5" x 2.75" (Back Box), NEMA 1 rated
- **Master Pushbutton Station "Flush Mount"**
 - "Open" "Close" and "Stop" raised pushbuttons
 - Up to 12 push button stations per panel
- **Master Pushbutton Station "Surface Mount"**
 - "Open" "Close" and "Stop" raised pushbuttons
 - Up to 12 push button stations per panel
 - NEMA 4 rated
- **Multi Door Command Button "Mushroom Head"**
 - Opens up to three or six openings (see Sheet 1 for selection)
 - Single Mushroom Head, Watertight Enclosure



Field Wiring

- 1) Fused disconnect to be provided by others. Fuses to be of time delay type with maximum rating as indicated.
- 2) All field wiring to be a minimum 14 ga. 60 C. copper, stranded & 600 volt rated
- 3) High and low voltage wires should all be in separate conduit runs.
- 4) All conduit hubs must have NEMA 4 rating.

Panel Specifications

- 1) All wiring to be 600 volt rated, stranded, copper, type MTW.
- 2) Power wiring to be black, 14 ga.
- 3) AC control wiring to be red (hot) and white (neut) 14 ga.
- 4) DC control wiring to be blue, 20 ga.
- 5) Enclosure shall have NEMA 4 rating unless otherwise specified.

Equipment Provided by Others (Vendor, Installer, End User, etc.)

- 1) **Radio Remote Control Transmitters and Receivers**

CONDUIT TO ENTER BOTTOM OF PANEL
DRAWING FOR REPRESENTATION ONLY.
 CONDUIT LAYOUT DOES NOT REFLECT IN FIELD CONDITIONS

CONTROL PANEL OUTPUTS
 Maximum output current per relay 3A VAC or VDC, resistive
 Maximum total output current 5A continuous

POWER SUPPLY
 Maximum DC power supply output current is 0.5A on standard control panel.

CONTROL PANEL OUTPUT DESCRIPTIONS
 The following outputs are available if the customer chooses to wire them (Refer to riser diagram)

Q3 Door Open signal - N.O. Energized when the door is fully open.
 Q4 Door Closed signal - N.O. Energized when the door is fully closed.
 Q5 Close Warning - N.O. Energized while the Close Warning Timer is running and stays energized while the door is in motion.
 Q6 Door In Motion - N.O. Energized when the door is either opening or closing.

DOOR ENGINEERING
 A SENNECA COMPANY

DRAWINGS ARE THE EXCLUSIVE PROPERTY OF DOOR ENGINEERING AND MANUFACTURING, LLC AND CANNOT BE USED IN WHOLE OR PART WITHOUT WRITTEN CONSENT.

SIZE B	TITLE: FF30 SUBMITTAL FORM	REV 6
SCALE: NTS	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
		SHEET 4 OF 4