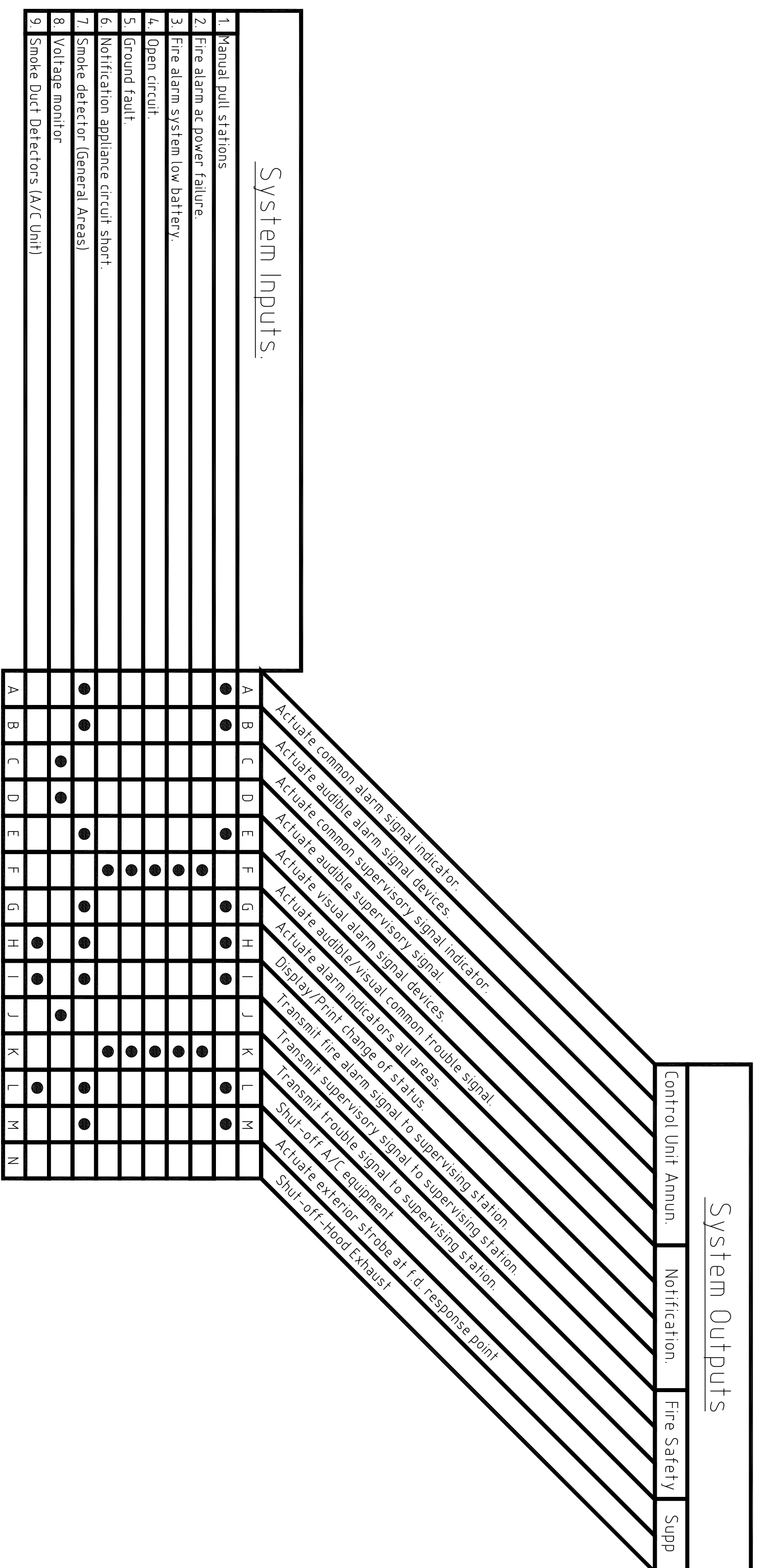


### NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS

DEVICE	CIRCUIT #1		CIRCUIT #2	
	DEVICE COUNT	DRAW (AMPS)	DEVICE COUNT	DRAW (AMPS)
STROBE (15CD)	1	.165	1	.165
STROBE (110CD)	4	.165	4	.66
HORN/STROBE (75CD)	1	.190	1	.190
TOTAL DRAW AMPS FOR CIRCUIT #1		1.015	TOTAL DRAW AMPS FOR CIRCUIT #1	1.015
TOTAL DRAW AMPS ALLOWED PER CIR.		2.5	TOTAL DRAW AMPS ALLOWED PER CIR.	2.5
AMPS REMAINING.	15		AMPS REMAINING.	15
TOTAL ALARM CURRENT REQUIRED = 2.04 AMPS				



### SEQUENCE OF OPERATIONS

**FIRE ALARM CALCULATIONS**  
NOT TO SCALE

### FACP BATTERY CALCULATIONS

DEVICE	NUMBER OF DEVICES	CURRENT PER DEVICE	TOTAL	ALARM CURRENT	TOTAL
CONTROL PANEL	1	0.004A	0.004A	0.15A	0.15A
CURRENT SUB-TOTAL			0.004A		0.15A
<b>A. INITIATING DEVICES</b>					
PULL STATION	2	0.00023A	0.00046A	0.00028A	0.00056A
SMOKE DUCT DETECTOR	3	0.03A	0.09A	0.0065A	0.0195A
CURRENT SUB-TOTAL			0.090A		0.020A
<b>B. NOTIFICATION DEVICES</b>					
WALL (w/p) STROBE 75CD	1	0.0A	0.0A	0.21A	0.21A
CEILING MTD STROBE 115CD	7	0.0A	0.0A	0.33A	2.31A
WALL STROBE 15CD	2	0.0A	0.0A	0.064A	.13A
WALL HORN/STROBE 75CD	2	0.0A	0.0A	0.22A	0.44A
CURRENT SUB-TOTAL					3.09A
CURRENT TOTAL			0.094A		3.125A
STANDBY TIME	X	0.094 AMPS	=	STANDBY A.H.	
24 HOURS					2.3 AMP HOURS
ALARM TIME	X	ALARM CURRENT	=	ALARM A.H.	
0.0833 HOURS (5 MINUTES)		3.125 AMPS	=		0.26 AMP HOURS
STANDBY A.H.		ALARM A.H.		MINIMUM A.H. BATTERY	
2.3 A.H.	+	0.26 A.H.	=	2.6 X 12 =	3.12
BATTERY PROVIDED = 7.0AH					

SYMBOL	DESCRIPTION
□	PULL STATION
□	SILENT KNIGHT HPS-SA
⊗	ELECTRIC STROBE HSC24115
⊗	SYSTEM SENSOR HSC24115
⊗	CANDELA AS INDICATED
⊗	WALL STROBE W-P
⊗	CANDELA AS INDICATED
⊗	HORN/STROBE
⊗	SYSTEM SENSOR #P2WH
⊗	CANDELA AS INDICATED
⊗	FIRE ALARM CONTROL PANEL
⊗	SMOKE DUCT DETECTOR
⊗	SYSTEM SENSOR 200 SERIES
⊗	POWER LIMITED
⊗	TAMPER SWITCH (T.S.)
⊗	FLOW SWITCH (F.S.)
⊗	WEATHER PROOF
⊗	CEILING MOUNTED

**REVISION: 06/29/15**  
**PERMIT SET: 04/20/15**

**NOTE:**  
ANY DESIGN CHANGES TO THE SYSTEM COVERED BY THESE PLANS SHALL BE MADE BY THE ENGINEER WHO PREPARED THESE PLANS. WILL NOT BE MADE IN ADDITION. ALL CHANGES TO THE ORIGINAL DESIGN WILL BE THE RESPONSIBILITY OF THE COMPANY WHICH APPROVED THESE CHANGES. FINAL BID TO INCLUDE PERMIT COMMENTS.

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TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REGULATORY REQUIREMENTS AND I AM NOT PROVIDING ANY WARRANTIES AS TO THE ACCURACY OF THE LOCAL AUTHORITY IN ACCORDANCE WITH THIS SECTION AND 633 FLOIDA STATUTES.

Architectural Seal

PROJECT: **STS INKS PROPOSED WAREHOUSE**  
8300 CONGRESS AVENUE  
BOCA RATON, FLORIDA

DRAWING TITLE: **1st FLOOR PLAN**

No.	REVISIONS	DATE
1	ELECTRICAL B.D.C.	5-15-15
2	MECHANICAL REVISION	5-19-15
3	PLUMBING B.D.C.	5-26-15
4	MEP-F/A REVISION	6-29-15

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AR 10248

PROJECT NUMBER: 215024  
DATE: 04/20/15  
SCALE: AS NOTED  
CHECKED: RFF  
APPROVED: RFF  
DRAWN: -

DRAWING NUMBER: **FA2.1**  
SHEET 2 OF 2