

# SHOP SUBMITTAL / DRAWING REVIEW RESPONSE



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Consulting Engineers**  
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Formerly **MEINHARDT** Consulting Engineers

**Project Name: JE Muchert SA1**

**From: John Piazza**

**Project No: 13333**

**Description: 28 46 00 Fire Alarm Shop Drawings**

SW Associates Consulting Engineers		<p>Engineer's review is for general compliance with the design concept and contract documents. Markings or comments or the lack thereof shall not be construed as relieving the Contractor from compliance with the project plans and specifications. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of construction, for performing this work in a safe manner and for coordinating his work with that of other trades</p> <p>This review does not constitute approval or acceptance of deviations from contract documents, such deviations if any must be requested in writing or clearly identified as deviations in accordance with contract documents.</p>
<input type="checkbox"/>	No Exception Taken	
<input checked="" type="checkbox"/>	Make Corrections Noted	
<input type="checkbox"/>	Revise and Submit	
<input type="checkbox"/>	Rejected	
SWA Project No. 13333		Submittal No. 28 46 00 Fire Alarm Shop Drawings
Date 6-21-2019		Checked By: John Piazza

**Comments:**

1. Provide duct detectors as required for HVAC equipment.
2. Provide smoke detector at elevator for recall function.

End

# SUBMITTAL TRANSMITTAL

CONTRACTOR'S REVIEW STAMP

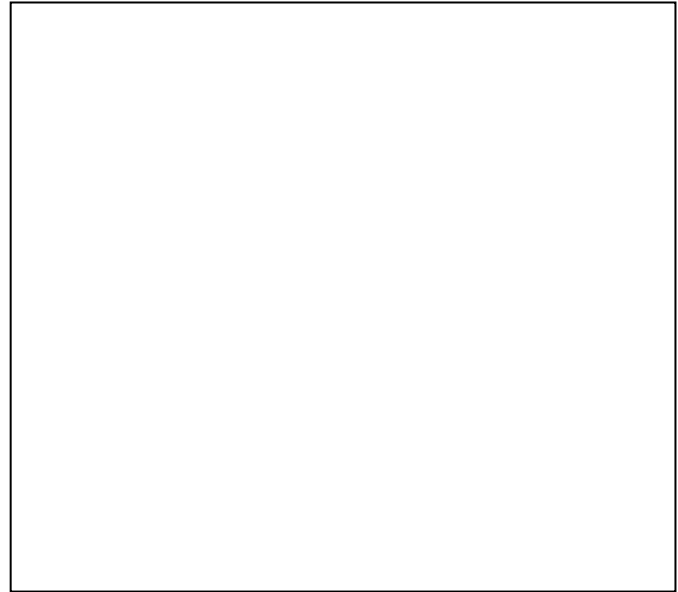
A/E REVIEW STAMP

**DENCO CONSTRUCTION SPECIALISTS  
SHOP DRAWING AND SUBMITTAL REVIEW**

JOB NO. DPA-284600  
DATE 6--18-19  
REVIEWER Shawnee Hallmark

Corrections or comments made relative to submittals during this review do not relieve the subcontractor from compliance with the requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The subcontractor is responsible for conforming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades and performing his work in a safe and satisfactory manner.

**THIS REVIEW DOES NOT INDICATE NOR IMPLY ANY APPROVAL  
OF CHANGES TO TIME OR CHANGES IN COSTS**



**SUBMITTAL DATA**

Project Dallas Park & Rec Dept Admin Offices Location 10031 E. Northwest Highway Dallas, TX 75238  
General Contractor DENCO CONSTRUCTION SPECIALISTS  
Trade Fire Detection and Alarm  
Items Submitted Shop Drawings  
Supplier Fantastic Systems Phone (817) 376-7151  
Substitutions and Deviations \_\_\_\_\_  
Remarks \_\_\_\_\_

I CERTIFY THAT THE ABOVE ITEM DESCRIBED IN THE ATTACHED SUBMITTAL COMPLIES WITH THE CONTRACT DOCUMENTS EXCEPT AS NOTED ABOVE.

Shawnee Hallmark 972-226-2609 ext. 108 6-18-19

NAME (TRADE) PHONE NO. DATE

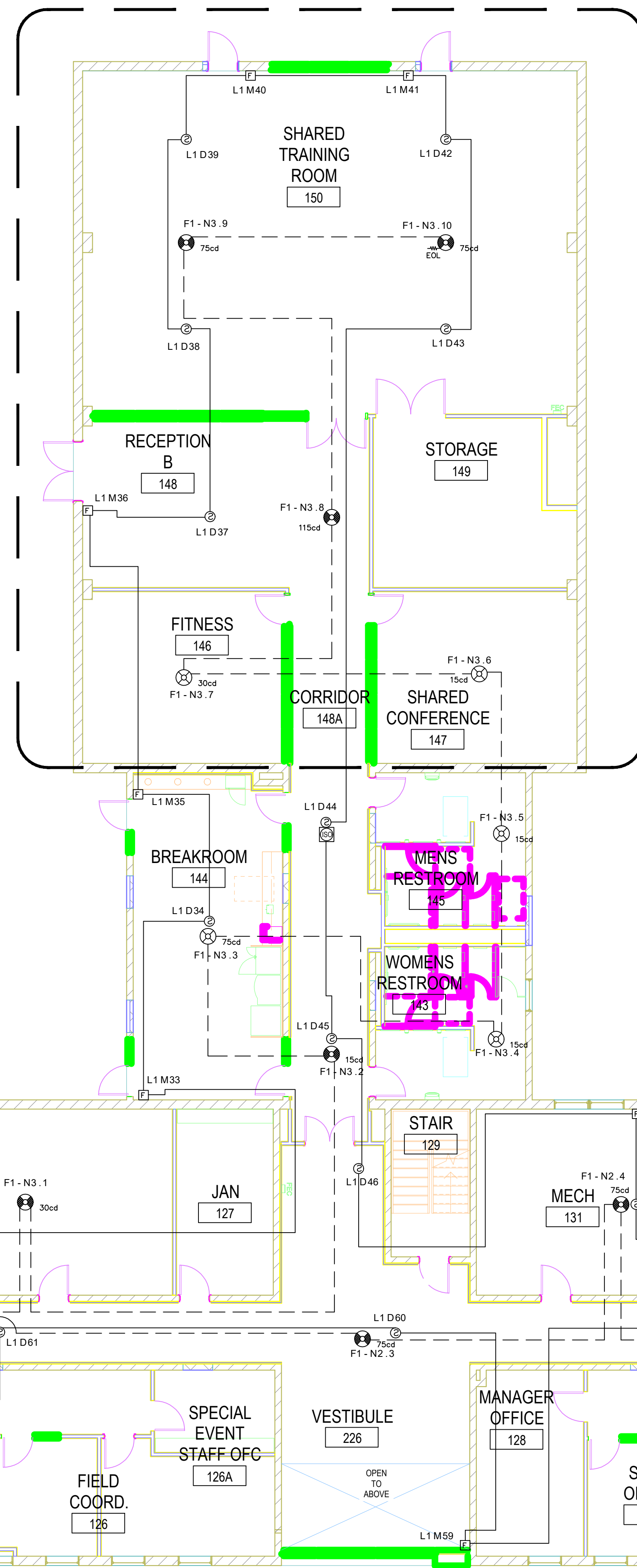
Review Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_



# Fire Alarm Modifications for Dallas Parks and Recreation

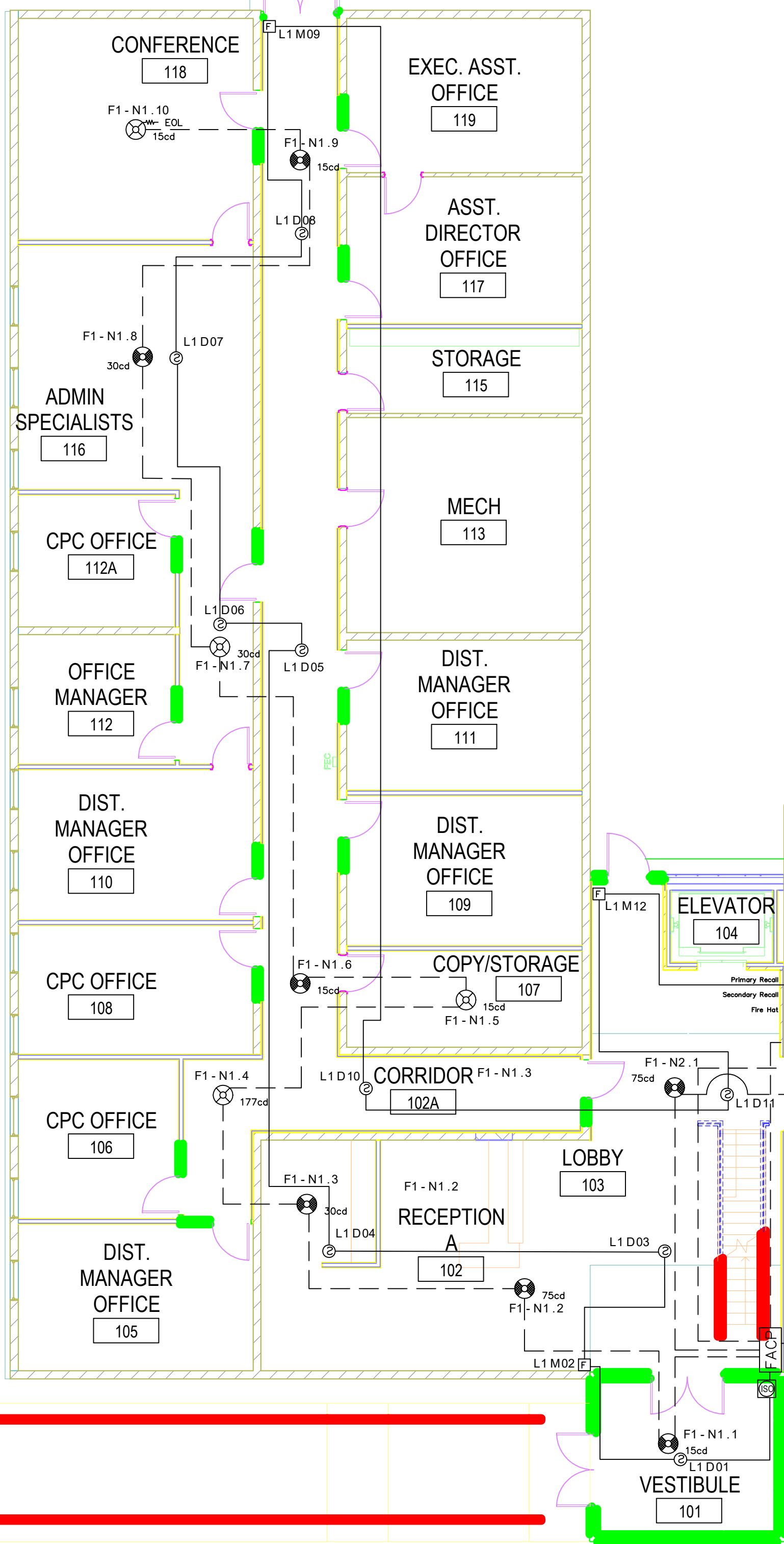
## 10031 East Northwest Highway Dallas, Texas 75238

20FT. CEILING HEIGHT

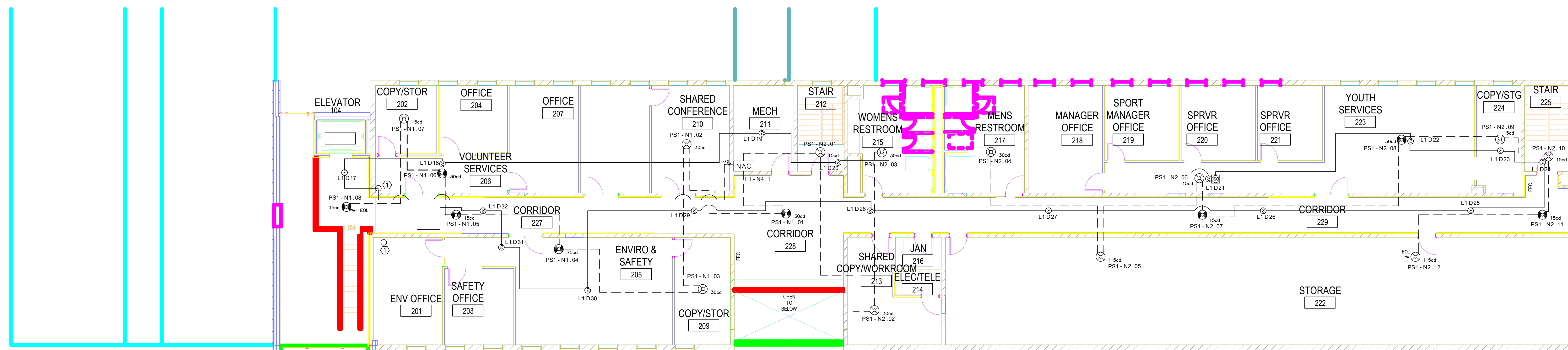


FLOOR 1

Fire Alarm  
Scale: 1/8" = 1' 0"



FLOOR 2



Fire Alarm  
Scale: 1/8" = 1' 0"

FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	WTS. HT. AFF. (FEET OR FEET)	BOX/BOX
FAACP	FIRE ALARM CONTROL PANEL INTELLIGENT	N/A	N/A
NAC	NAC POWER EXTENDER INTELLIGENT	N/A	N/A
FAAPP	FIRE ALARM ANNUNCIATOR PANEL	N/A	N/A
F	PULL STATION	4' 6" W x 12" H	12" x 12" x 4" (12" x 12" x 4")
SD	SMOKE DETECTOR	CLG WTD	4" x 4" x 4" (4" x 4" x 4")
SM	SMOKE MONITORED SMOKE DETECTOR	CLG WTD	4" x 4" x 4" (4" x 4" x 4")
HS	HEAT DETECTOR	CLG WTD	4" x 4" x 4" (4" x 4" x 4")
AD	ADDRESSABLE DUAL INPUT MONITOR MODULE	N/A	4" x 4" x 4" (4" x 4" x 4")
AM	ADDRESSABLE MONITOR MODULE	N/A	4" x 4" x 4" (4" x 4" x 4")
AR	ADDRESSABLE RELAY MODULE	N/A	4" x 4" x 4" (4" x 4" x 4")
AC	ADDRESSABLE CONTROL SIGNAL MODULE	N/A	4" x 4" x 4" (4" x 4" x 4")
ST	SPRINKLER TAMPER SWITCH	N/A	4" x 4" x 4" (4" x 4" x 4")
SW	SPRINKLER WATERFLOW SWITCH	N/A	4" x 4" x 4" (4" x 4" x 4")
R	RELAY	N/A	4" x 4" x 4" (4" x 4" x 4")
I	ISOLATOR MODULE	N/A	4" x 4" x 4" (4" x 4" x 4")
MD	MAGNETIC DOOR HOLDER	N/A	4" x 4" x 4" (4" x 4" x 4")
H	HORN/STROBE	8' 6" TO CENTER	8" x 8" x 8" (8" x 8" x 8")
AS	ADA STROBE	8' 6" TO CENTER	8" x 8" x 8" (8" x 8" x 8")
OS	OUTSIDE WEATHERPROOF HORN/STROBE	15' TO CENTER	8" x 8" x 8" (8" x 8" x 8")
HS	HORN/STROBE	CLG WTD	HANDY BOX
SO	STROBE ONLY	CLG WTD	HANDY BOX
H	HORN	CLG WTD	HANDY BOX
RB	REFLECTIVE BEAM DETECTOR	N/A	N/A
SL	SPRINKLER RISER LOCATION - FIELD VERIFY	N/A	N/A
FL	FIRE ALARM RISER LOCATION - FIELD VERIFY	N/A	N/A
EL	END OF LINE RESISTOR	N/A	N/A

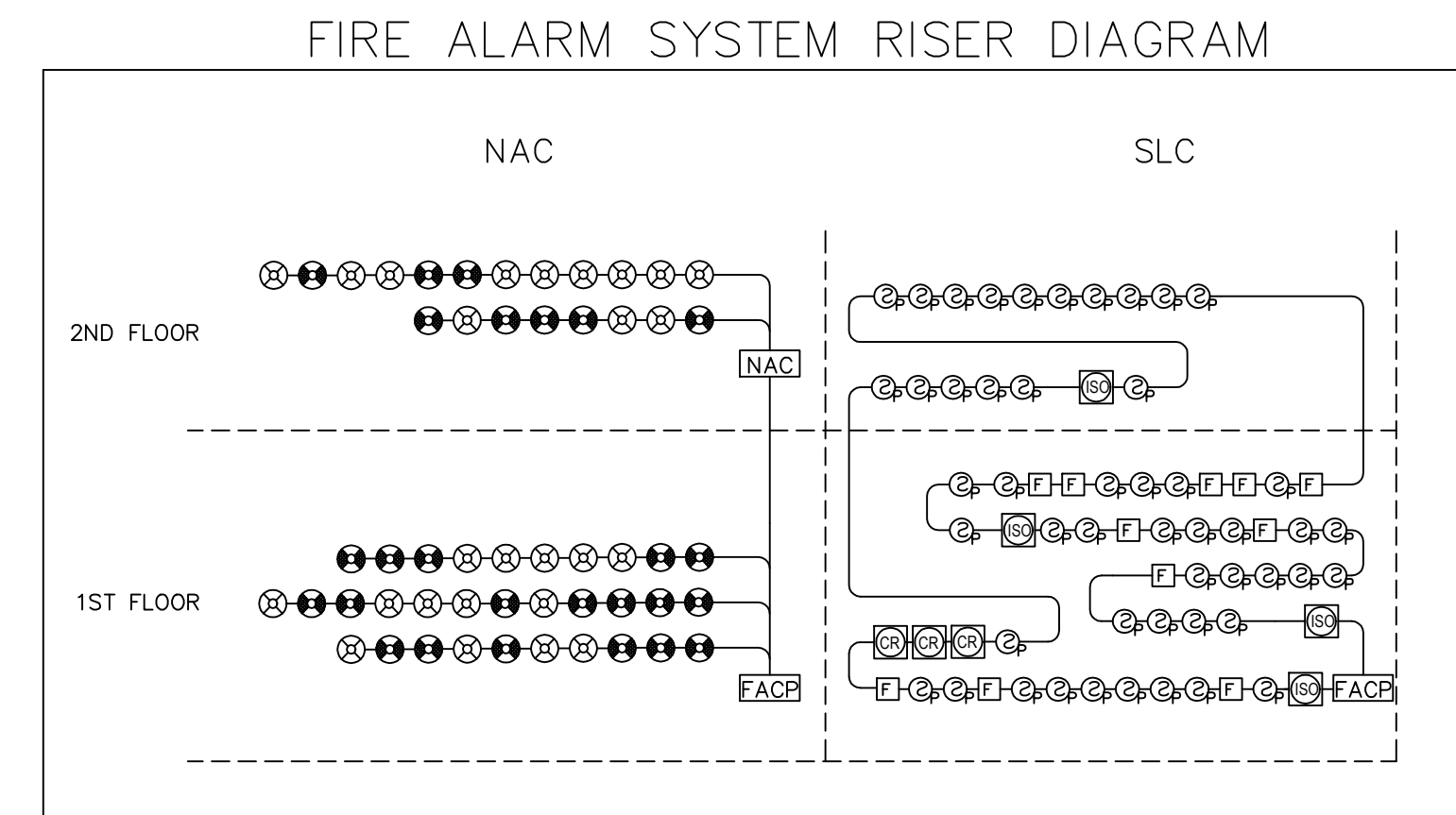
WIRE LEGEND		
LINE TYPE	DESCRIPTION	WIRE TYPE
---	SIGNALING LINE CIRCUIT	16/2 TWISTED, NO SHIELD, FPLP
---	NOTIFICATION APPLIANCE CIRCUIT	14/2 TWISTED, NO SHIELD, FPLP

- GENERAL NOTES:**
- THE FIRE ALARM DESIGN AND INSTALLATION TO MEET CODE REQUIREMENTS IN COMPLIANCE WITH NFPA 72, IFC 2015 AND THE CITY OF DALLAS CODE AMENDMENTS.
  - FIRE ALARM CIRCUITS SHALL BE WIRED AS FOLLOWS:  
SIGNALING LINE CIRCUIT (SLC) - CLASS A, STYLE B  
NOTIFICATION APPLIANCE CIRCUIT (NAC) - CLASS B, STYLE Y  
ADDITIONALLY, CLASS "A" CIRCUITS SHALL PROVIDE A MINIMUM 6 FOOT SEPARATION (VERTICAL AND HORIZONTAL) BETWEEN SUPPLY AND RETURN LOOPS.
  - THE AUTHORITY HAVING JURISDICTION IS THE CITY OF DALLAS, FIRE MARSHAL.
  - THIS IS A NON-SPRINKLERED BUILDING.
  - ALL FIRE ALARM PANELS AND POWER SUPPLY PANELS ASSOCIATED WITH THIS SCOPE WORK ARE SURGE PROTECTED. THE SECONDARY SURGE PROTECTOR IS A MINIMUM OF TWO FEET FROM THE PANELS MEASURED ALONG THE ROUTE OF ELECTRICAL TRAVEL.
  - CEILING HEIGHT IS 10 FEET UNLESS OTHERWISE NOTED.
- DRAWING NOTES:**
- ① RISER TO FLOOR BELOW
  - ② RISER TO FLOOR ABOVE

SYSTEM INPUT		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	MANUAL PULL STATION																										
2	SMOKE DETECTOR																										
3	1ST FLOOR ELEVATOR LOBBY SMOKE DETECTOR																										
4	2ND FLOOR ELEVATOR LOBBY SMOKE DETECTOR																										
5	ELEVATOR EQUIPMENT ROOM SMOKE DETECTOR																										
6																											
7																											
8																											
9																											
10																											
11	FIRE ALARM AC POWER FAILURE																										
12	FIRE ALARM SYSTEM LOW BATTERY																										
13	OPEN CIRCUIT																										
14	GROUND FAULT																										
15	NOTIFICATION APPLIANCE CIRCUIT SHORT																										
16	ACKNOWLEDGE																										
17	SYSTEM SILENCE																										
18	SYSTEM RESET																										

MATRIX

Fire Alarm  
Scale: NTS



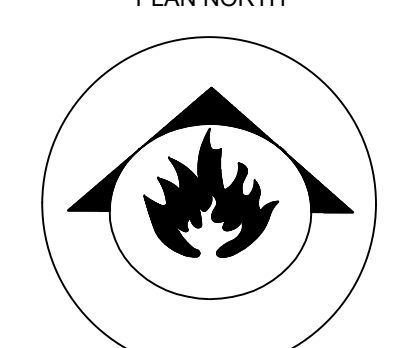
FIRE RISER DIAGRAM

Fire Alarm  
Scale: NTS

SYSTEM OUTPUTS			
CONTROL UNIT	ANNUNCIATION	NOTIFICATION	CONTROL FUNCTIONS
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19

REVISIONS	
NO.	DESCRIPTION

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



ALL DESIGN AND INSTALLATION IS IN ACCORDANCE WITH THE CITY OF DALLAS LOCAL CODES. ALL REQUIREMENTS WILL BE MET IN THE INSTALLATION. WHETHER SHOWN ON THE DRAWINGS OR UNANNOTATED. ANY (UN)NOTED ANNOTATIONS (S) FROM ANY CODE THAT MIGHT APPLY, WAS INTENTIONAL BY FANTASTIC SYSTEMS, INC.

**SYSTEM DESCRIPTION**  
 FIRE ALARM SYSTEM  
 PRE-ALARM SYSTEM  
 OTHER

FOR SUBMITTAL RECORD DRAWINGS  
 I have reviewed these plans and certify that they comply with the applicable codes and standards or  
 Certify they were copied from sealed engineering plans and any violations of the applicable codes or standards are specifically noted on these plans.

Fantastic Systems, Inc.  
 2527 Minnis Dr. Suite B  
 Haltom City, Texas 76117  
 (817) 376-7151  
 ACR-1680202

APR 09 2019  
 Darrell Dixon APS License Number  
 APS License Number  
 APS Project Name Date

INFORMATION	
DATE	BY
3/7/2019	Darrell Dixon
3/7/2019	Darrell Dixon
3/7/2019	Darrell Dixon
3/7/2019	Darrell Dixon

OWNER: Dallas Parks and Recreation  
 ADDRESS: 10031 East Northwest Highway, Dallas, TX 75238  
 CONTRACT NO: 16030202  
 PROJECT NO: 16030202  
 DESIGNER: Fantastical Systems, Inc.  
 DATE: 3/7/2019  
 DRAWN BY: Darrell Dixon  
 CHECKED BY: Darrell Dixon  
 PROJECT MANAGER: Darrell Dixon  
 PROJECT ENGINEER: Darrell Dixon  
 PROJECT ARCHITECT: Darrell Dixon  
 PROJECT SUPERVISOR: Darrell Dixon  
 PROJECT INSPECTOR: Darrell Dixon  
 PROJECT OPERATOR: Darrell Dixon  
 PROJECT MAINTENANCE: Darrell Dixon  
 PROJECT REPAIR: Darrell Dixon  
 PROJECT REPLACEMENT: Darrell Dixon  
 PROJECT UPGRADE: Darrell Dixon  
 PROJECT MODIFICATION: Darrell Dixon  
 PROJECT DEMOLITION: Darrell Dixon  
 PROJECT CONSTRUCTION: Darrell Dixon