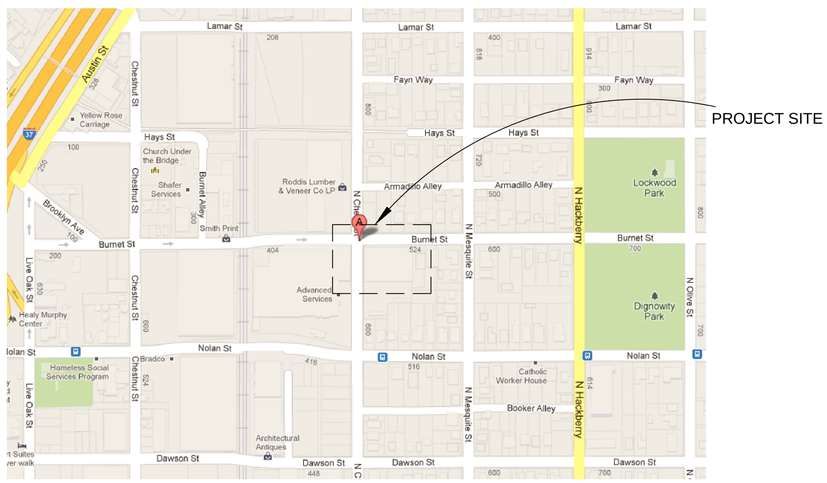
CITY OF SAN ANTONIO

SAFD WAREHOUSE
FIRE PROTECTION SYSTEMS

500 BURNETT
SAN ANTONIO, TX



PLAN NORTH

VICINITY MAP

SCALE: NOT TO SCALE

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REVISIONS:

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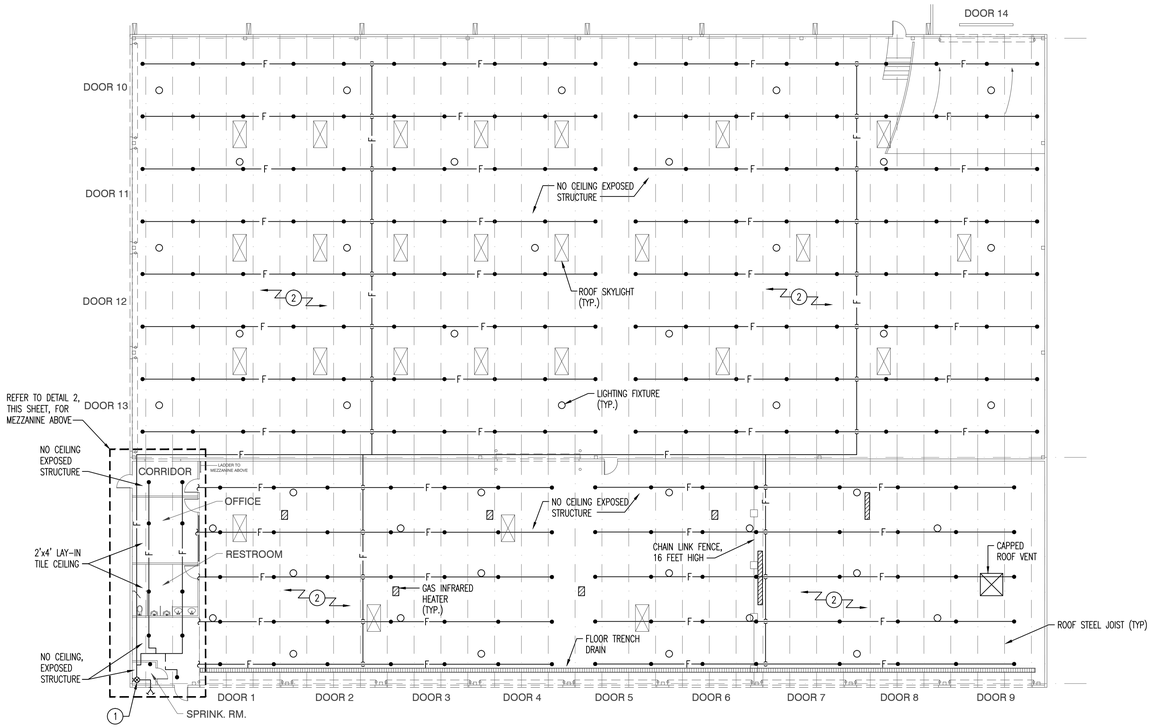
PROJECT # 1298

City of San Antonio
SAFD Warehouse
Fire Protection Systems
500 Burnett, San Antonio, TX

COVER SHEET

PROJECT:	1298
DRAWN:	AAI
CHECKED:	DTA
DATE:	06-24-2013

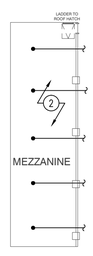
SHEET
G0.0



PLAN NORTH

1 FIRE SPRINKLER PLAN - DEMOLITION

SCALE: 1/16" = 1'-0"



PLAN NORTH

2 FIRE SPRINKLER PLAN - MEZZANINE - DEMOLITION

SCALE: 1/16" = 1'-0"

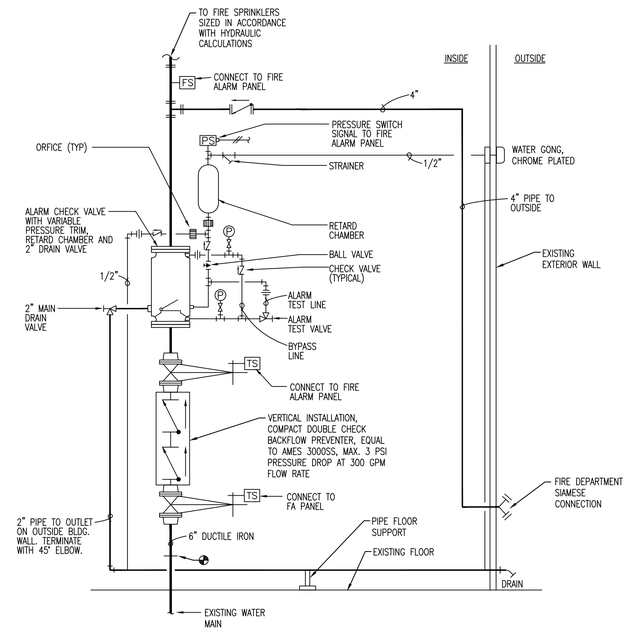
KEYED NOTES:

(APPLIES TO THIS SHEET)

1. REMOVE FIRE SPRINKLER RISER AND ASSOCIATED CONTROL VALVE ASSEMBLY, DRAIN PIPING, AND FIRE DEPARTMENT CONNECTION.
2. REMOVE FIRE SPRINKLER PIPING IN ITS ENTIRETY, INCLUDING ASSOCIATED SPRINKLER HEADS AND PIPE HANGERS/SUPPORTS.

FIRE SPRINKLER NOTES:

1. THE BUILDING IS PRESENTLY PROTECTED BY A WET PIPE FIRE SPRINKLER SYSTEM THAT HAS BEEN DEACTIVATED. THE EXISTING SYSTEM IS TO BE REMOVED IN ITS ENTIRETY, AND REPLACED WITH A NEW FIRE SPRINKLER SYSTEM.
2. PROVIDE A COMPLETE NEW FIRE SPRINKLER SYSTEM FOR THE PROTECTION OF THE ENTIRE BUILDING. THE NEW FIRE SPRINKLER RISER SHALL CONNECT TO THE EXISTING FIRE LINE SERVICE TO THE BUILDING UP THROUGH THE FLOOR.
3. SPRINKLER HEAD LAYOUT AND PIPING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA-13, THE LATEST EDITION OF, AND WITH GOVERNING STATE AND CITY REGULATIONS/CODES. APPLICABLE CODES ALSO INCLUDE THE LATEST EDITION OF NFPA 101 AND IBC 2012. THE CONTRACTOR SHALL PERFORM AND SUBMIT HYDRAULIC CALCULATIONS OF THE PIPING SYSTEM AND SHALL SUBMIT PIPING SHOP DRAWINGS FOR APPROVAL INDICATING HEAD LOCATIONS ON A REFLECTED CEILING PLAN.
4. COORDINATE ROUTING AND PLACEMENT OF SPRINKLER HEADS WITH EXISTING ROOF STEEL JOISTS, INFRARED GAS HEATERS, GAS PIPING, CONDUIT, LIGHTING FIXTURES, AND ROOF SKYLIGHTS.
5. BOTTOM OF ROOF STEEL JOISTS IS APPROXIMATELY 22'-0" ABOVE FLOOR.
6. WITHIN THE OFFICE AND RESTROOM AREAS, ROUTE PIPING ABOVE EXISTING LAY-IN CEILING. REMOVE, STORE, PROTECT AND REINSTALL CEILING TILES TO ACCOMMODATE REPLACEMENT OF FIRE SPRINKLER PIPING. SPRINKLER HEAD LOCATIONS SHALL BE IN SAME LOCATION AS EXISTING HEADS IN LAY-IN CEILING TILES.
7. THE BUILDING WILL REMAIN IN OPERATION DURING CONSTRUCTION. PHASE CONSTRUCTION SO THAT THE OWNER CAN CONTINUE OCCUPYING BUILDING DURING CONSTRUCTION. COORDINATE AND SCHEDULE WITH THE OWNER FOR MOVING VEHICLES AND EQUIPMENT FROM THE PARTICULAR CONSTRUCTION AREA.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT FULL BUILDING SPRINKLER PROTECTION IS PROVIDED THROUGH OUT THE PROJECT AREA IN ACCORDANCE WITH NFPA-13.
9. CONTRACTOR SHALL PERFORM FIRE FLOW TEST TO DETERMINE BASIS OF HIS HYDRAULIC CALCULATIONS. COORDINATE AND SCHEDULE WITH THE OWNER AND WITH SAN ANTONIO WATER SYSTEMS.
10. CODES MAY REQUIRE A FIRE WATCH DURING SYSTEM INSTALLATION. WRITTEN PROOF THAT A RESPONSIBLE AND DEDICATED FIRE WATCHMAN WAS/IS ON SITE SHALL BE GIVEN TO THE OWNER DAILY WITH COMMENTS.
11. THE CONTRACTOR IS EXPECTED, AS A REQUIREMENT OF THEIR QUALIFICATIONS, TO UTILIZE THEIR KNOWLEDGE AND EXPERIENCE TO ANTICIPATE AND TO INCLUDE IN THE COST OF THE WORK ANY INCIDENTALS, WHICH MAY BE REQUIRED, BUT NOT SPECIFICALLY EXPRESSED HEREIN, IN ORDER TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL FIRE PROTECTION SYSTEM FOR THE BUILDING.
12. PIPING PENETRATIONS THROUGH WALLS SHALL BE SEALED WITH APPROVED FIRE STOPPING SEALANTS AND/OR ASSEMBLIES.
13. PROVIDE CHROME FINISH ESCUTCHEONS AT EXPOSED WALL, FLOOR AND CEILING PENETRATIONS.
14. CONTRACTOR SHALL CLEAN, DEGREASE AND PAINT EXTERIOR SURFACES OF EXPOSED SPRINKLER PIPING, INCLUDING PIPE HANGERS AND SUPPORTS. CONTRACTOR SHALL PAINT WITH FERROUS METAL RUST INHIBITING PRIMER AND FINISH WITH TWO COATS OF RED ENAMEL PAINT. PAINT SHALL BE LEAD FREE.
15. INSTALL AND SUPPORT PIPING IN ACCORDANCE WITH NFPA 13.
16. ROUTE PIPING PLUMB AND PARALLEL TO BUILDING STRUCTURE.
17. SLOPE PIPING AND ARRANGE PIPING TO DRAIN TO LOW POINTS.
18. CONTRACTOR SHALL PERFORM HYDROSTATIC TESTS OF THE ENTIRE PROJECT PIPING SYSTEM UPON COMPLETION OF WORK AS REQUIRED BY NFPA 13.
19. CONTRACTOR SHALL PROTECT ALL OPEN ENDS OF THE NEW FIRE SPRINKLER PIPING FROM FOREIGN CONTAMINANTS.
20. CONTRACTOR MUST TAKE PRECAUTION TO PREPARE TO CAPTURE WATER IN THE EVENT OF AN ACCIDENTAL SPILL. CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN CASE OF WATER SPILL.
21. THE ENTIRE PROJECT FIRE SPRINKLER PIPING SYSTEM SHALL BE FLUSHED. CONTRACTOR MUST DEVELOP A PLAN TO MANAGE PIPING FLUSH WATER IN ACCORDANCE WITH PREVAILING ENVIRONMENTAL REGULATIONS. CONTRACTOR SHALL SUBMIT THE FLUSHED WATER DISPOSAL PLAN FOR COORDINATION AND APPROVAL. CONTRACTOR SHALL FURNISH AND INSTALL DRAIN OUTLETS (VALVES/CAPPED ENDS) AS REQUIRED TO ACCOMMODATE THE FLUSHING PROCEDURE FOR THE ENTIRE PIPING SYSTEM, FLUSHING SHALL BE IN ACCORDANCE WITH NFPA 25.



3 FIRE SPRINKLER RISER DETAIL

SCALE: NOT TO SCALE

REVISIONS:

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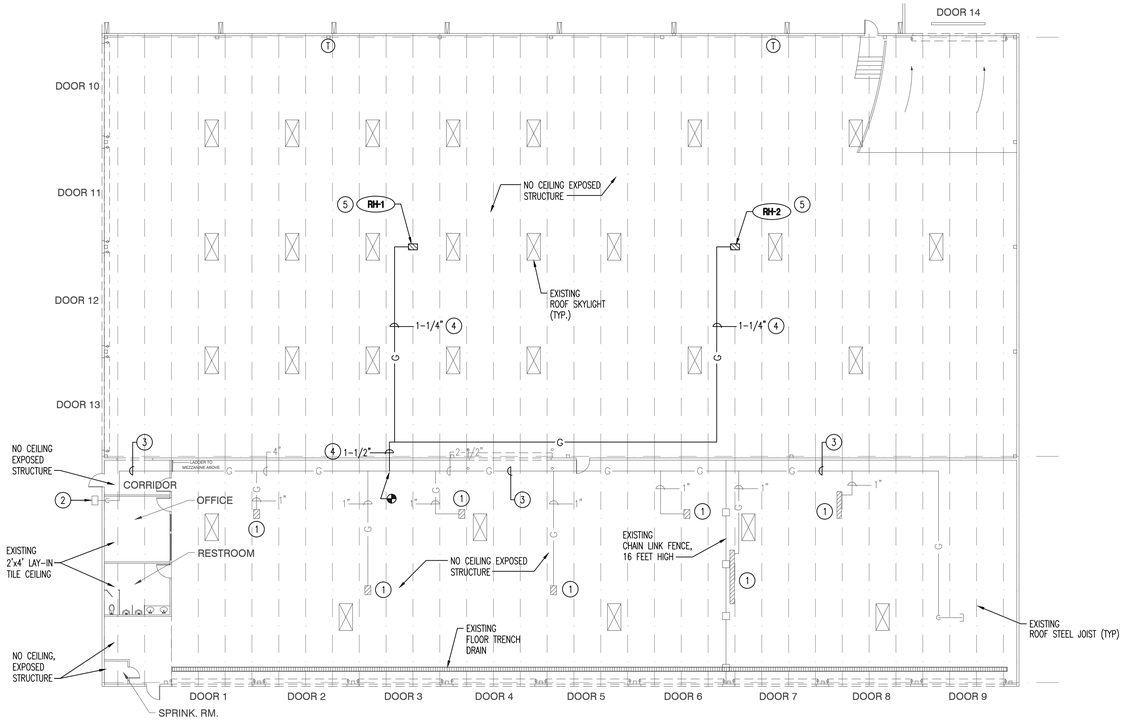
PROJECT # 1298

City of San Antonio
SAFD Warehouse Fire Protection Systems
500 Burnett, San Antonio, TX

FIRE SPRINKLER PLANS, NOTES AND DETAILS

PROJECT: 1298
DRAWN: AAI
CHECKED: DTA
DATE: 06-24-2013

SHEET
FS1.1



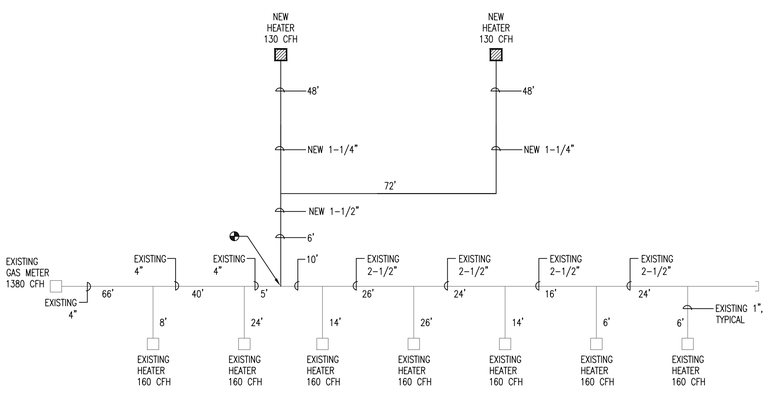
PLAN NORTH

1 MECHANICAL PLAN - NEW WORK

SCALE: 1/16" = 1'-0"

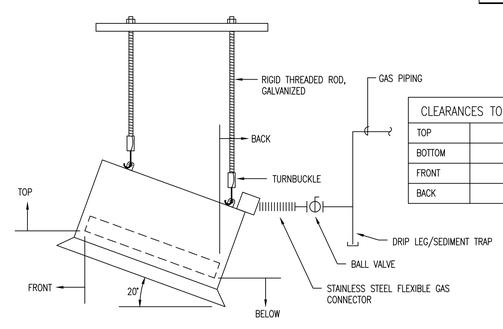
KEYED NOTES: (APPLIES TO THIS SHEET)

1. EXISTING SUSPENDED RADIANT HEATER TO REMAIN.
2. EXISTING GAS METER ASSEMBLY TO REMAIN.
3. EXISTING GAS PIPING TO REMAIN.
4. NEW GAS PIPING.
5. NEW GAS RADIANT HEATER.



2 GAS PIPING DIAGRAM

NO SCALE



CLEARANCES TO COMBUSTIBLES	
TOP	52"
BOTTOM	120"
FRONT	120"
BACK	30"

3 INFRARED HEATER PIPING DIAGRAM

NO SCALE

GAS PIPING SIZE SCHEDULE	
TOTAL GAS DEMAND	1380 CFH
TOTAL LENGTH FROM METER TO FURTHEST HEATER	237 FT
MIN PIPE SIZE REQ'D (BASED ON INLET PRESS. OF LESS THAN 2 PSI AND PRESS. DROP OF O.5 IN W.C. IFGC 2012, TABLE 4.02.4 (2)	2-1/2" (EXISTING PIPE SIZE IS 4", EXISTING PIPE SIZE IS SUFFICIENT)

RADIANT HEATER SCHEDULE	
MARK	RH-1, 2
SERVES	VEHICLE STORAGE AREA
TYPE	GAS FIRED INFRARED
FUEL TYPE	NATURAL GAS
INPUT (BTU/HR)	130,000
TYPE DISCHARGE	RADIANT
MIN/MAX GAS INLET PRESSURE (IN.W.C.)	7/14
WEIGHT (LBS)	45
VOLT/PH	120/1
MANUFACTURER	RE-VERBER-RAY
MODEL	DR-130
NOTES	1 - 6

NOTES:
1. MOUNT AT BOTTOM OF EXISTING ROOF JOISTS (APPROX. 22'-0" A.F.F.)
2. PROVIDE HONEYWELL THERMOSTAT.
3. PROVIDE 24V CONTROLS AND CONTROLS STEP-DOWN TRANSFORMER.
4. PROVIDE REQUIRED CLEARANCES FROM COMBUSTIBLES.
5. MOUNT AT A 20 DEG. ANGLE FROM FLOOR TO RADIATING SURFACE.
6. DIRECT SPARK IGNITION.

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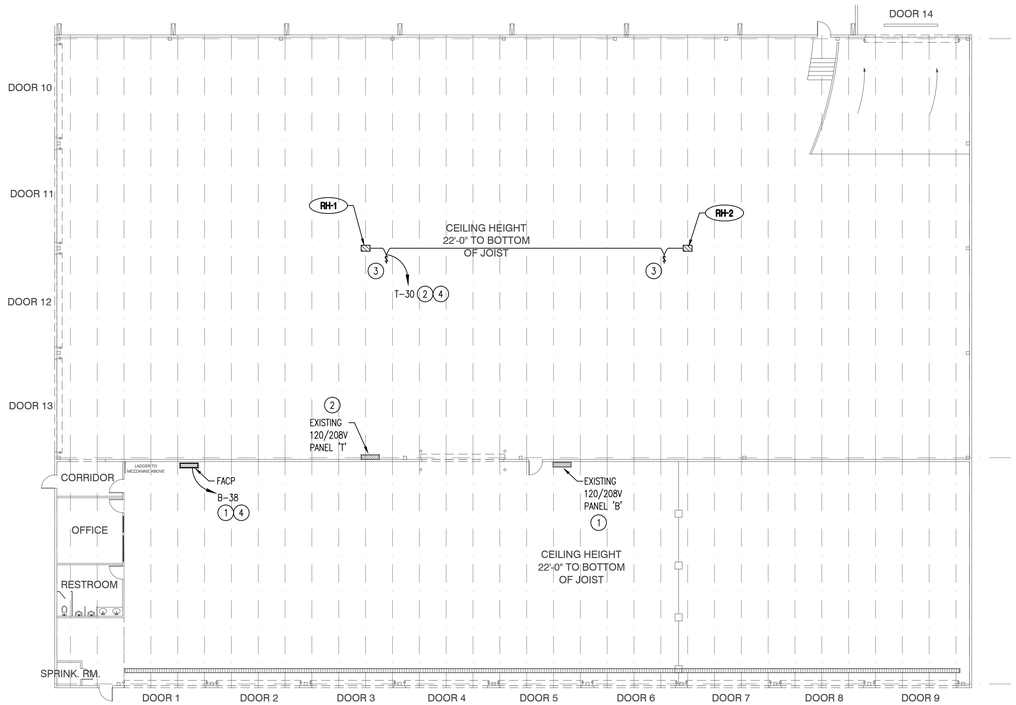
PROJECT # 1298

City of San Antonio
SAFD Warehouse Fire Protection Systems
500 Burnett, San Antonio, TX

MECHANICAL PLAN - NEW WORK, GAS PIPING DIAGRAM AND SCHEDULES

PROJECT: 1298
DRAWN: AAI
CHECKED: DTA
DATE: 06-24-2013

SHEET
M1.1



PLAN NORTH

1 **POWER FLOOR PLAN**

SCALE: 1/16" = 1'-0"

GENERAL POWER NOTES:

(APPLIES TO ALL ELECTRICAL SHEETS)

1. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND AUTHORITIES HAVING JURISDICTION.
2. ALL WALL MOUNTED RECEPTACLES TO BE LOCATED 18" A.F.F. TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
3. SINGLE HOME RUNS ARE SHOWN FOR CIRCUIT IDENTIFICATION ONLY. CONTRACTOR MAY GROUP A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN RACEWAY, UNLESS NOTED OTHERWISE. TYPICAL FOR ALL ELECTRICAL FLOOR PLANS.
4. MULTI-WIRED (SHARED NEUTRAL) BRANCH CIRCUITS SHALL NOT BE INSTALLED. ALL 120- & 277- VOLT BRANCH CIRCUITS SHALL HAVE A DEDICATED INDIVIDUAL NEUTRAL CONDUCTOR.
5. PROVIDE U.L. LISTED FIRE STOP SYSTEMS AT ALL PENETRATIONS THROUGH WALLS.
6. ALL SWITCHES AND RECEPTACLES SHALL BE U.L. LISTED AND SHALL BE SPECIFICATION GRADE.
7. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER.
8. ALL JUNCTION BOX COVERS WILL BE MARKED USING "SHARPIE" OR "MARKSALOT" INDICATING THE PANEL AND CIRCUIT #'S CONTAINED WITHIN THE JUNCTION BOX.
9. ALL SWITCH AND RECEPTACLE COVER PLATES WILL BE MARKED TO INDICATE PANEL AND CIRCUIT #'S USING APPROVED LABEL MAKER.
10. IN ALL CASES VOLTAGE DROP TO LAST OUTLET MUST NOT EXCEED 3%.
11. FLEXIBLE METAL CONDUIT (FMC) CAN BE USED ONLY FOR FINAL CONNECTIONS TO LIGHT FIXTURES. RUNS LONGER THAN 6' WILL NOT BE ALLOWED.
12. LIQUIDTIGHT FLEXIBLE CONDUIT (LFMC) SHALL BE USED FOR CONNECTIONS TO EQUIPMENT AND MOTORS.
13. ALL DATA CONDUITS, SLEEVES AND STUBS SHALL BE TERMINATED WITH PLASTIC BUSHINGS.
14. COORDINATE LOCATION OF ALL DISCONNECT SWITCHES TO ensure THAT ALL NEC MINIMUM WORKING CLEARANCES ARE MAINTAINED.

KEYED NOTES:

(APPLIES TO THIS SHEETS)

1. FURNISH & INSTALL 20A, 120V, 1-POLE SQURE D CIRCUIT BREAKER IN EXISTING PANELBOARD 'B' FOR FIRE ALARM CONTROL PANEL 120V CIRCUIT. UPDATE PANELBOARD SCHEDULE TO INDICATE 'FACP' AND FURNISH & INSTALL CIRCUIT BREAKER 'LOCK-ON' DEVICE FOR THIS CIRCUIT.
2. FURNISH & INSTALL 20A, 120V, 1-POLE CIRCUIT BREAKER IN EXISTING PANELBOARD 'T' FOR GAS FIRED HEATER CONTROL POWER (TOTAL LOAD = 24VA). UPDATE PANELBOARD SCHEDULE.
3. FURNISH & INSTALL 20A, 120V TOGGLE SWITCH AT HEATER LOCATION FOR SAFETY DISCONNECT.
4. 20A, 120V CIRCUIT SHALL BE (2) #12 AWG CU & #12 GROUND IN 3/4" TYPE EMT CONDUIT.

EXISTING PANEL T

PROJECT: SAFD WAREHOUSE
PROJECT #: 1298
LOCATION: NORTH BAY
MOUNTING: SURFACE
ENCLOSURI NEMA 1
VOLTAGE: 208/120V, 3Ph., 4W
BUSSING: 100A
MAINS: 100A MLO
CODES: 0=RCPT 1=EQPT 2=LTG 3=A/C 4=HTG 5=LGST MTR 6=SUBPANEL
BREAKER MTG:
ACCESSORIES: GND BUS
INTERUPT RATING: 10,000 AIC

CODE	BRKR	CIRCUIT USE	CKT	LOAD		LOAD	CKT	CIRCUIT USE	BRKR	CODE
	20/2	EXISTING	1		A		2	EXISTING	20/2	
	-	-	3		B		4	-	-	
	20/2	EXISTING	5		C		6	EXISTING	20/2	
	-	-	7		A		8	-	-	
	20/2	EXISTING	9		B		10	EXISTING	20/2	
	-	-	11		C		12		-	
	60/2	EXISTING	13		A		14	EXISTING	20/1	
	-	-	15		B		16	EXISTING	20/2	
	20/3	EXISTING	17		C		18	-	-	
	-	-	19		A		20	EXISTING	20/2	
	-	-	21		B		22	-	-	
	20/2	EXISTING	23		C		24	EXISTING	20/1	
	-	-	25		A		26	EXISTING	20/2	
	20/2	EXISTING	27		B		28	-	-	
	-	-	29		C	**24**	**30**	**UNIT HEATERS - NORTH BAY (NOTE 1)**	**20/1**	**4**

	SUBPNL VA	LTG VA	RCPT VA	EQPT VA	HVAC VA	MTR VA	CONN VA	CONN A	DIVERSIFIED VA	DIV A
PHASE A	-	-	-	-	-	-	-	-	-	-
PHASE B	-	-	-	-	-	-	-	-	-	-
PHASE C	-	-	-	-	24	-	24	0	24	0
TOTAL	-	-	-	-	24	-	24	N/A	24	N/A

NOTES:

1. **FURNISH & INSTALL CIRCUIT BREAKER IN EXISTING SPACE FOR UNIT HEATERS. PROVIDE CIRCUIT BREAKER TO MATCH EXISTING**

EXISTING PANEL B

PROJECT: SAFD WAREHOUSE
PROJECT #: 1298
LOCATION: SOUTH BAY
MOUNTING: SURFACE
ENCLOSURI NEMA 1
VOLTAGE: 208/120V, 3Ph., 4W
BUSSINS: 225A
MAINS: 225A MLO
CODES: 0=RCPT 1=EQPT 2=LTG 3=A/C 4=HTG 5=LGST MTR 6=SUBPANEL
BREAKER MTG:
ACCESSORIES: GND BUS
INTERUPT RATING: 10,000 AIC

CODE	BRKR	CIRCUIT USE	CKT	LOAD		LOAD	CKT	CIRCUIT USE	BRKR	CODE
	20/3	EXISTING	1		A		2	EXISTING	90/3	
	-	-	3		B		4	-	-	
	-	-	5		C		6	-	-	
	20/3	EXISTING	7		A		8	EXISTING	20/2	
	-	-	9		B		10	-	-	
	-	-	11		C		12	EXISTING	20/2	
	50/3	EXISTING	13		A		14	-	-	
	-	-	15		B		16	EXISTING	50/2	
	-	-	17		C		18	-	-	
	50/3	EXISTING	19		A		20	EXISTING	20/1	
	-	-	21		B		22	EXISTING	30/1	
	-	-	23		C		24	EXISTING	20/1	
	50/3	EXISTING	25		A		26	EXISTING	20/1	
	-	-	27		B		28	EXISTING	100/3	
	-	-	29		C		30	-	-	
	50/3	EXISTING	31		A		32	-	-	
	-	-	33		B		34	EXISTING	20/1	
	-	-	35		C		36	EXISTING	20/1	
	100/3	EXISTING	37	**250**	A		38	**FACP (NOTE 1,2)**	**20/1**	**1**
	-	-	39		B		40	SPACE		
	-	-	41		C		42	SPACE		

	SUBPNL VA	LTG VA	RCPT VA	EQPT VA	HVAC VA	MTR VA	CONN VA	CONN A	DIVERSIFIED VA	DIV A
PHASE A	-	-	-	250	-	-	250	2	250	2
PHASE B	-	-	-	-	-	-	-	-	-	-
PHASE C	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	250	-	-	250	N/A	250	N/A

NOTES:

1. **FURNISH & INSTALL CIRCUIT BREAKER IN EXISTING SPACE FOR UNIT HEATERS. PROVIDE CIRCUIT BREAKER TO MATCH EXISTING**
2. **PROVIDE CIRCUIT BREAKER 'LOCK-ON' DEVICE FOR FIRE ALARM CONTROL PANEL CIRCUIT BREAKER.**

REVISIONS:

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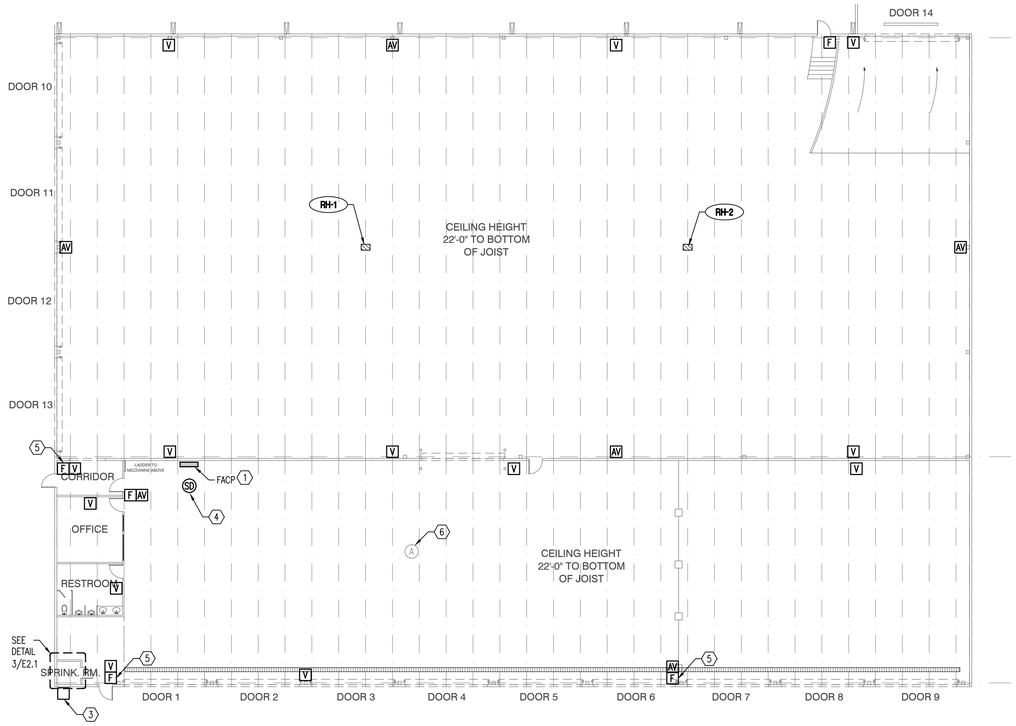
PROJECT # 1298

City of San Antonio
SAFD Warehouse Fire Protection Systems
500 Burnett, San Antonio, TX

POWER FLOOR PLAN

PROJECT: 1298
DRAWN: AAI
CHECKED: DTA
DATE: 06-24-2013

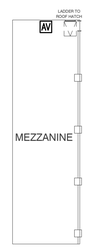
SHEET
E1.1



PLAN NORTH

1 **FIRE ALARM FLOOR PLAN**

SCALE: 1/16" = 1'-0"



PLAN NORTH

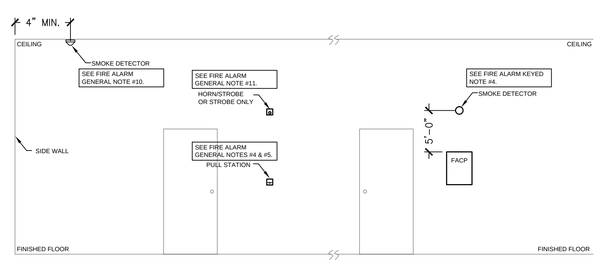
2 **FIRE ALARM FLOOR PLAN - MEZZANINE**

SCALE: 1/16" = 1'-0"

PLAN NORTH

3 **FIRE ALARM FLOOR PLAN - MECH. RM. DETAIL**

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



4 **FIRE ALARM DEVICES TYPICAL MOUNTING DETAIL**

SCALE: NTS

FIRE ALARM KEYED NOTES: (APPLIES TO THIS SHEET)

1. FIRE ALARM PANEL LOCATION. FIRE ALARM PANEL SHALL HAVE DIGITAL ALARM COMMUNICATOR TRANSMITTER (DACT) WITH TWO TELEPHONE LINES FOR REMOTE STATION MONITORING. ONE OF THESE PHONE LINES IS TO BE DEDICATED, SEPARATE FROM ANY INTERNAL TELEPHONE SYSTEM.
2. COORDINATE QUANTITY AND TYPE FIRE ALARM DEVICES FOR SPRINKLER RISER WITH SPRINKLER CONTRACTOR AND DEVICES SUPPLIED.
3. WATER GONG. SEE SHEET FS1.1/DETAIL 3 FOR FIRE SPRINKLER RISER DETAIL.
4. INSTALL SMOKE DETECTOR ON THE WALL WITHIN 5'-0" OF TOP OF THE FACP.
5. REPLACE EXISTING DEVICE WITH NEW DEVICE. DEMO EXISTING WIRING.
6. DEMO EXISTING AUDIBLE DEVICE AND WIRING.
7. THERE IS NO FIRE ALARM SYSTEM EXISTING IN THE BUILDING. ANY AND ALL EXISTING FIRE ALARM DEVICES AND REMNANTS OF THE PREVIOUS FIRE ALARM SYSTEM SHALL BE DISCONNECTED & REMOVED.

FIRE ALARM SYSTEM SYMBOLS

FACP	FIRE ALARM CONTROL PANEL
F	MANUAL PULL STATION (G=VANDAL PROOF GUARD)
AV	AUDIOVISUAL ANNUNCIATOR (G=VANDAL PROOF GUARD) ☐ = WALL MOUNT ◯ = CEILING MOUNT
V	VISUAL ANNUNCIATOR (G=VANDAL PROOF GUARD) ☐ = WALL MOUNT ◯ = CEILING MOUNT
SD	SMOKE DETECTOR (G=VANDAL PROOF GUARD)
HD	HEAT DETECTOR (G=VANDAL PROOF GUARD)
WF	WATERFLOW SWITCH
TS	TAMPER SWITCH
B	WATER GONG

FIRE ALARM GENERAL NOTES:

1. THESE FIRE ALARM DRAWINGS ARE FOR BASIS OF DESIGN DOCUMENTS. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE DESIGN FOR A FULLY FUNCTIONAL AND CODE COMPLIANT FIRE ALARM SYSTEM, AND SHALL MAKE ANY NECESSARY PROVISIONS TO FURNISH & INSTALL ALL NECESSARY PARTS, LABOR AND EQUIPMENT FOR THE FIRE ALARM SYSTEM.
2. THE FIRE ALARM CONTRACTOR SHALL PREPARE AND SUBMIT DETAILED FIRE ALARM DOCUMENTS TO THE LOCAL AHJ FOR REVIEW AND APPROVAL, IN ACCORDANCE WITH THE REQUIREMENTS OF THE AHJ, SECTION 907 OF THE INTERNATIONAL BUILDING CODE (IBC) AND INTERNATIONAL FIRE CODE (IFC), NFPA 72, AND RELEVANT ORDINANCES, RULES AND REGULATIONS, AND AS DETERMINED BY THE FIRE CODE OFFICIAL.
3. THE FIRE ALARM SYSTEM SHALL HAVE THE CAPABILITY OF TRANSMITTING AN ALARM CONDITION THROUGH A DIGITAL ALARM COMMUNICATOR TRANSMITTER (DACT) WITH TWO TELEPHONE LINES FOR REMOTE STATION MONITORING. ONE OF THESE PHONE LINES IS TO BE DEDICATED AND SEPARATE FROM ANY INTERNAL TELEPHONE SYSTEM.
4. WHERE A MANUAL FIRE ALARM SYSTEM IS REQUIRED, MANUAL FIRE ALARM BOXES SHALL BE LOCATED NOT MORE THAN 5 FEET FROM THE ENTRANCE TO EACH DESIGNATED EXIT AND LOCATED SO THAT TRAVEL DISTANCE TO THE NEAREST BOX DOES NOT EXCEED 200 FEET.
5. MANUAL FIRE ALARM BOXES SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 72, AT A MINIMUM HEIGHT OF 42 INCHES AND A MAXIMUM HEIGHT OF 48 INCHES MEASURED VERTICALLY, FROM THE FLOOR LEVEL TO THE ACTIVATING HANDLE OR LEVER OF THE BOX.
6. A SINGLE SMOKE DETECTOR SHALL BE PROVIDED AT THE LOCATION OF EACH FIRE ALARM CONTROL UNIT, NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDERS, AND SUPERVISING STATION TRANSMITTING EQUIPMENT.
7. INITIATING DEVICES SHALL BE INSTALLED IN ALL AREAS, COMPARTMENTS, OR LOCATIONS WHERE REQUIRED BY NFPA CODES AND STANDARDS OR AS REQUIRED BY THE AHJ.
8. SPOT-TYPE SMOKE AND HEAT DETECTORS SHALL BE LOCATED ON THE CEILING NOT LESS THAN 4 INCHES FROM A SIDEWALL TO THE NEAR EDGE OR, IF ON A SIDEWALL, BETWEEN 4 INCHES AND 12 INCHES DOWN FROM THE CEILING TO THE TOP OF THE DETECTOR.
9. ALL SMOKE AND HEAT DETECTORS SHALL BE POWERED FROM AND BE RESETTABLE AT THE FIRE ALARM PANEL.
10. COORDINATE QUANTITY AND TYPE OF FIRE ALARM DEVICES FOR SPRINKLER RISER(S) WITH SPRINKLER CONTRACTOR.
11. WALL-MOUNTED NOTIFICATION APPLIANCES SHALL BE MOUNTED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 72 OR AS REQUIRED BY THE AHJ AND WITH SPECIAL CONSIDERATIONS MADE TO THE TYPE OF VEHICLES TO BE STORED AND WITH RESPECT TO THE HIGH CEILING.
12. VISIBLE NOTIFICATION APPLIANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 72 AND SHALL BE SYNCHRONIZED.

REVISIONS:

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PROJECT # 1298

City of San Antonio
SAFD Warehouse Fire Protection Systems
500 Burnett, San Antonio, TX

FIRE ALARM FLOOR PLAN

PROJECT:	1298
DRAWN:	AAI
CHECKED:	DTA
DATE:	06-24-2013

SHEET

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