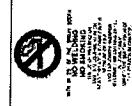


PROPOSED PRE-ENGINEERED PYRO-CHEM FIRE SUPPRESSION SYSTEM UL 1254
IMPERIOUZ AUTOBODY
815 WEST F STREET, TURLOCK, CA 95380

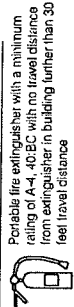
KEYNOTES FLOOR PLAN:

- ☐ Flammable safety liquid storage model: 894620.45 gal. max. 2 self-close doors.
- ☐ Waste an-approved metal cans with self closing lids to be used. (per CFC 1503.4.3)
- ☐ Sign shall be posted in the vicinity of spray areas, dipping operations, and paint storage rooms with the following warning:



- PROPOSED EQUIPMENT SPEC'S:
- | ITEM | DESCRIPTION |
|------|-------------------------------------|
| (A) | DIM: 14" WIDE x 271" LONG x 9" HIGH |
| (B) | DIM: 7" WIDE x 15" LONG x 8" HIGH |

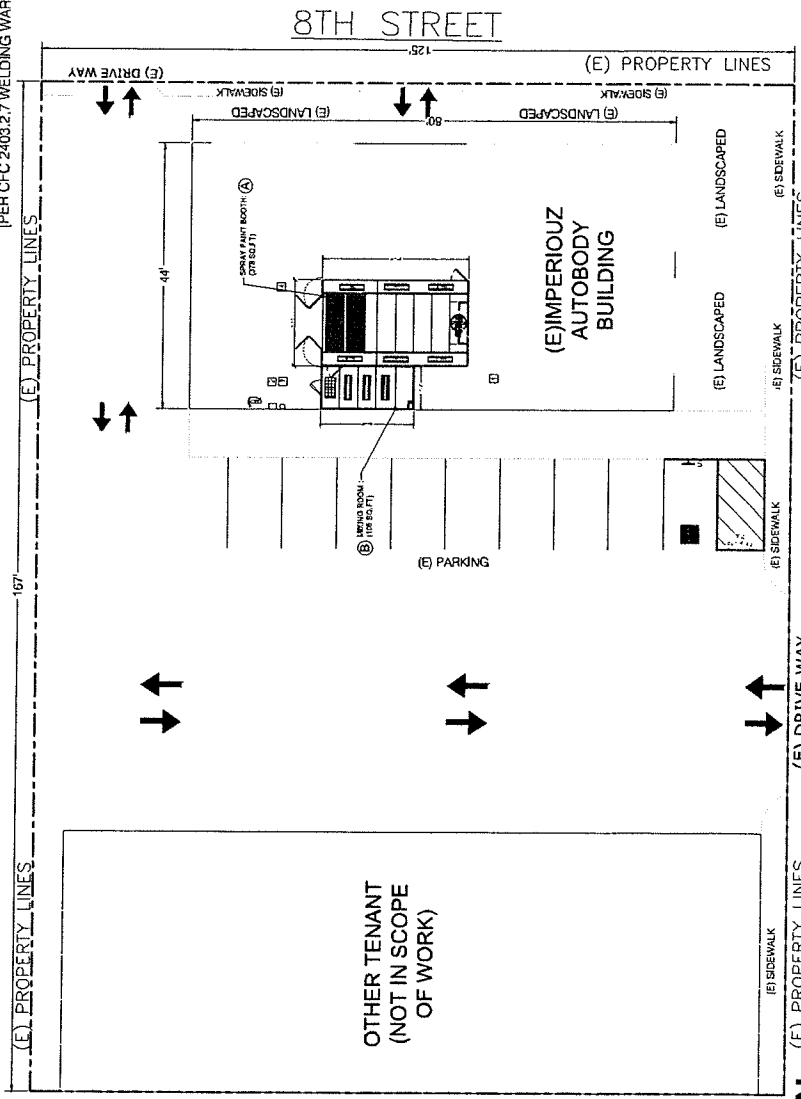
KEYNOTES:



NOTE:

Spray booths shall be installed so that all parts of the booth are readily accessible for cleaning, a clear space of not less than 3 feet (914 mm) shall be maintained on all sides of the spray booth. This clear space shall be kept free of any storage or combustible construction. [PER CFC 2404.3.2.5 CLEAR SPACE]

Welding, cutting and similar spark-producing operations shall not be conducted in or adjacent to flammable vapor areas or dipping or coating operations unless precautions have been taken to provide safety. [PER CFC 2403.2.7 WELDING WARNING SIGNS.]



TE PLAN (E) PROPERTY LINES (E) DRIVE WAY F STREET (E) SIDEWALK (E) LANDSCAPED (E) SIDEWALK (E) PROPERTY LINES

SHEET INDEX	
FS-1	TITLE SHEET & SITE PLAN
FS-2	FLOOR PLAN
FS-3	SPRAY BOOTH FIRE SUPPRESSION SYSTEM
FS-4	PYRO-CHEM CUT SHEETS
FS-5	PYRO-CHEM CUT SHEETS
FS-6	PYRO-CHEM CUT SHEETS
FS-7	MIXING ROOM FIRE SUPPRESSION SYSTEM
FS-8	PYRO-CHEM CUT SHEETS
SCOPE OF WORK:	
PROPOSED INSTALLATION OF PRE-FAB DRY-CHEM FIRE SUPPRESSION SYSTEM FOR A NEW PRE-FAB PAINT SPRAY BOOTH & MIXING ROOM TO EXISTING FOOTPRINT.	
PROJECT DATA:	
APN# 043-001-006-000	
OCCUPANCY = (B - S1)	
CONSTRUCTION TYPE = IIIB	
BUILDING HEIGHT = 17'-0"	
# OF STORIES = 1	
(E) 3,520 FT. WORKSHOP & OFFICE	
(E) NON-SPRINKLED	
GENERAL NOTES:	
SPRAYING EQUIPMENT SHALL BE INTERLOCKED WITH THE VENTILATION OF THE FLAMMABLE VAPOR AREAS SUCH THAT SPRAYING OPERATIONS CANNOT BE CONDUCTED UNLESS THE VENTILATION SYSTEM IS IN OPERATION.	
APPLICABLE CODES	
ALL CONSTRUCTION MUST CONFORM TO FOLLOWING CODES AND ORDINANCES.	
2016 CALIFORNIA BUILDING CODE	
2016 CALIFORNIA FIRE CODE	
2016 CALIFORNIA PLUMBING CODE	
2016 CALIFORNIA ELECTRICAL CODE	
2016 CALIFORNIA ENERGY CODE	
2016 CALIFORNIA MECHANICAL CODE	
MPPA 17.33	
VICINITY MAP	

CONTRACTOR:
IMPERIOUZ EQUIPMENT
410 E. GRANT LINE RD #1
TRACY, CA 95373
CALIFORNIA STATE
LIC# 98937
B - C16
EXPIRES: 06/31/2021

DESIGN TEAM:
RGI SPRAYBOOTH.NET
410 E. GRANT LINE RD, BLDG 1 TRACY CA 95376
PH (209) 831-9209 OR (562) 716-8210
PERMITS.RGI@GMAIL.COM

TITLE SHEET/SITE PLAN
PROJECT ADDRESS:
IMPERIOUZ AUTO BODY
815 WEST F STREET
TURLOCK, CA 95380

DRAWN BY: N/A
DATE: 10/14/2019
STAMP:

SHEET:
FS-1

1 (N) 30" EXHAUST DUCT TO ROOF

- 1 (N) 30" EXHAUST DUCT TO ROOF
- 2 Flammable safety liquid storage model: 894520-45 gal. max. 2 self-close doors.
- 3 Waste air-approved metal cans with self closing lids to be used. (per CFC 1503.43)
- 4 Sign shall be posted in the vicinity of spray areas, dipping operations, and paint storage rooms with the following warning:



ITEM	DESCRIPTION
------	-------------

Ⓐ DIM: 14"WIDE x 27"LONG x 9"HIGH

Portable fire extinguisher with a minimum rating of A-4, 40-BC with no travel distance from extinguisher in building further than 30 feet travel distance

14 W X 9 H X 100 FPM ≈ 12600 CFM MIN

Spray booths shall be installed so that all parts of the booth are readily accessible for cleaning, a clear space of not less than 3 feet (914 mm) shall be maintained on all sides of the spray booth. This clear space shall be kept free of any storage or combustible construction. [PER CFC 2404.3.2.5 CLEAR SPACE]

storage or combustible construction.
(PER CFC 2404.3.2.5 CLEAR SPACE)

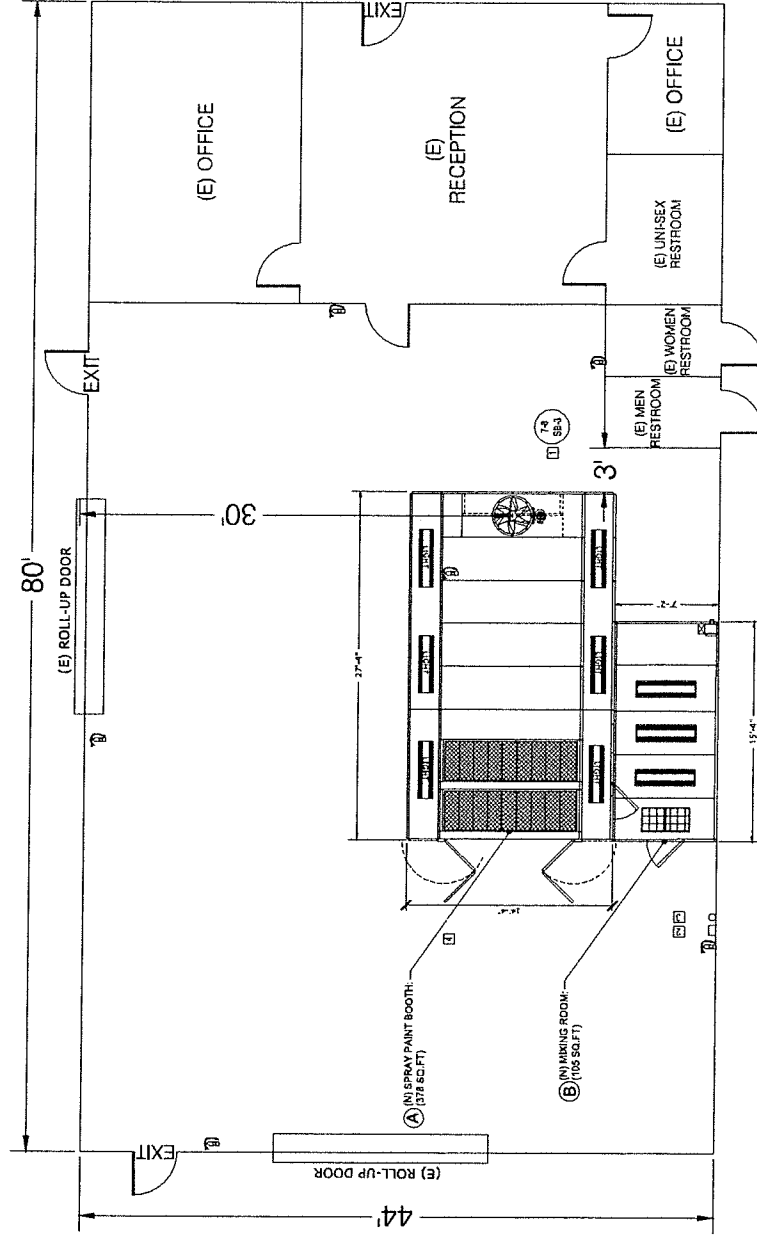
Welding, cutting and similar spark-producing operations shall not be conducted in or adjacent to flammable vapor areas or dipping or coating operations unless precautions have been taken to provide safety.

provide safety..
[PER CFC 2403.2.7 WELDING WARNING SIGNS.]

SPRAY BOOTHS SHALL BE PROTECTED BY AN APPROVED AUTOMATIC FIRE-EXTINGUISHING SYSTEM COMPLYING WITH CHAPTER 9. PROTECTION SHALL ALSO EXTEND TO EXHAUST PLENUMS, EXHAUST DUCTS AND BOTH SIDES OF DRY FILTERS WHEN SUCH FILTERS ARE USED.

SPRAYING SPACES SHALL BE VENTILATED WITH AN EXHAUST SYSTEM TO PREVENT ACCUMULATION OF FLAMMABLE MIST OR VAPORS IN ACCORDANCE WITH CALIFORNIA MECHANICAL CODE. CBC 416.3.

SPRAYING EQUIPMENT SHALL BE INTERLOCKED WITH THE VENTILATION OF THE FLAMMABLE VAPOR AREAS SUCH THAT SPRAYING OPERATIONS CANNOT BE CONDUCTED UNLESS THE VENTILATION SYSTEM IS IN OPERATION



!loor Plan

ALE: $1/4'' = 1' - 0''$

MDISPRAY EQUIPMENT
410 E. GRANT LINE RD #11
TRACY, CA 95378
CALIFORNIA STATE
LIC# 499372
B - C16
EXPIRES: 05/31/2021

NO	DATE	DESCRIPTION
Δ		
Δ		
Δ		

DESIGN TEAM

RGI SPRAYBOOTHS.NET

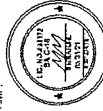
410 E. GRANT LINE RD, BLDG 1 TRACY CA 95376
PH (209) 831-9209 OR (562) 716-8210
PERMITTS.RGI@GMAIL.COM

AUTO BODY

TURLOCK, CA 95380

DATE	NO.	REV.	DRAWING TITLE
------	-----	------	---------------

DRAWN BY: IAM
DATE: 10/14/2019
STAMP:



SHEET:

FS-2

NOTE: This Pyro-Chem dry chemical system shall be installed in accordance with manufacturers specifications and NFPA No. 17. The fire system is electrically interlocked with the spray booth fan for whenever there is a fire the fan will shut off automatically.

Pre-Engineered Pyro-Chem Dry-Chemical System UL 1254 A SEMI DOWN DRAFT PAINT SPRAY BOOTH

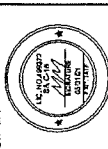
CONTRACTOR:
MID-STATE EQUIPMENT
410 E. GRANT LINE RD #1
TRACY, CA 95376
CALIFORNIA STATE
LIC. # 100000000
EXP. 05/1/2021

NO.	DATE	DESCRIPTION
1	10/14/2013	ISSUED FOR PERMIT
2		
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4		
5		
6		
7		

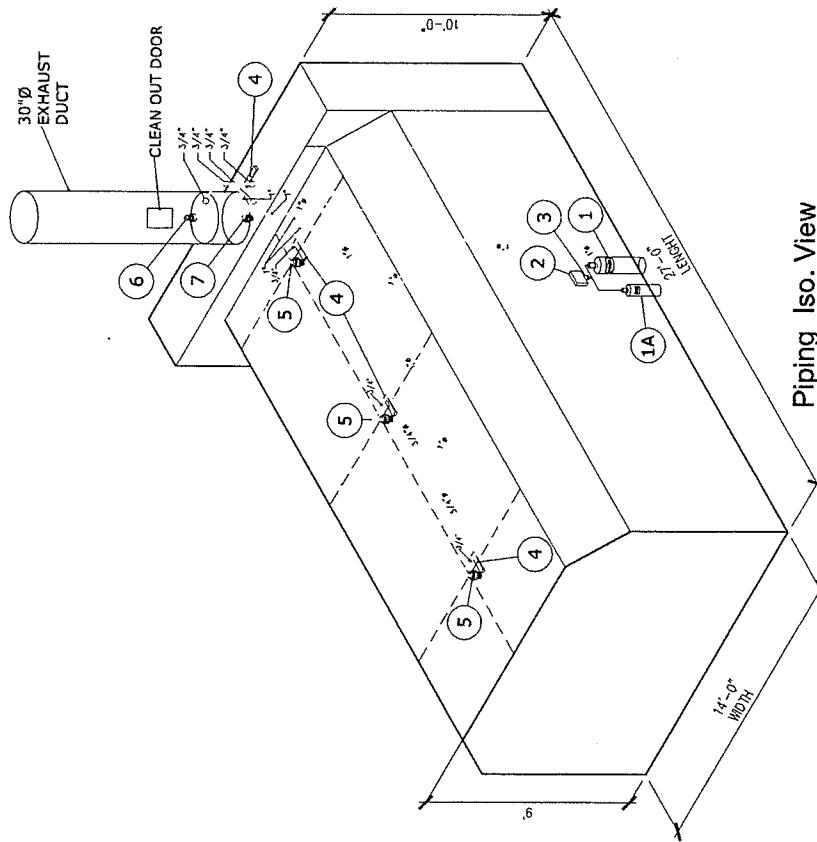
DESIGN TEAM
RGI SPRAYBOOTH.NET
410 E. GRANT LINE RD, BLDG 1 TRACY CA 95376
PH (209) 831-9209 OR (562) 716-8210
PERMITS.RGI@GMAIL.COM

DRAWING TITLE
SPRAY BOOTH FIRE SUPPRESSION
PROJECT ADDRESS
IMPERIOLUX AUTO BODY
815 WEST F STREET
TURLOCK, CA 95380

DRAWN BY: TMA
DATE: 10/14/2013
STAMP:



SHEET:
FS-3



Plan View

Piping Iso. View

NO.	EQUIPMENT	LOCATION	QTY.
1	PCI-70 ABC Cylinder		1
1A	PCI-17 ABC Cylinder		1
2	Mechanical Control Head W/ Pull Station		1
3	T-10 Time Delay		1
4	FLK-1 Fusible Links Kits 165°	11'-in ea. exhaust duct (3)-in work area	4
5	NV-WA Nozzle	3 -in ea. work area	3
6	NV-DP2 Nozzle	1-in ea. exhaust duct	4
7	NV-P1 Nozzle	1 -in ea. exhaust plenum	1

Notes and Fittings:
1. All pipe shall be Schedule 10 black, galvanized, chrome plated or stainless steel pipe in compliance with NFPA 17. All fittings shall be thoroughly flamed after cutting, and all oil, chips, and debris shall be removed prior to nozzle installation.
2. Standard weight maleable galvanized, chrome plated or stainless steel fittings shall be used.
3. All system pipe and fittings will be sized in accordance with the system Technical Manual. No substitutions are allowed.
4. No joint sealant shall be used in the discharge piping. Exception: Teflon tape may be used to ensure a snug fit.
5. All system discharge pipe shall be securely fastened by means of pipe hangers and/or pipe straps. UL Listed pipe hangers shall be used.
6. A union shall be installed in the discharge piping conveniently close to the cylinder valve to permit disconnection for inspection and repair.
7. Under: Cylinder can be install on either side of the booth.

Pyro-Chem Cut Sheets SEMI DOWN DRAFT PAINT SPRAY BOOTH PCL-70 ABC CYLINDER 4 NOZZLES

CONTRACTOR: ADI SPRAY EQUIPMENT 410 E. GRANT LINE RD #1 TRACY, CA 95376 CALIFORNIA STATE LIC# 499372 B-C16 EXPIRES: 06/30/2021		DESIGN TEAM: RGI SPRAYBOOTHS.NET PH (209) 831-9209 OR (562) 716-8210 PERMITS.RGI@GMAIL.COM		PROJECT ADDRESS: IMPERIOUZ AUTO BODY 815 WEST F STREET TURLOCK, CA 95380		DRAWING TITLE: SPRAY BOOTH CUT SHEETS		DATE: 10/14/2019 DESIGNED BY: MM CHECKED BY: MM DATE: 10/14/2019		SHEET: FS-4	
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DETECTION EQUIPMENT

1. Model FLK-1
 2. Model FLK-1A
 3. Model ALK-1

Figure 1-1: Model FLK-1 (Left) and FLK-1A (Right)

Figure 1-2: Model ALK-1 (Left) and ALK-1A (Right)

NOZZLES

Figure 2-1: Model ABC-1 (Left) and ABC-2 (Right)

Figure 2-2: Model ABC-3 (Left) and ABC-4 (Right)

Figure 2-3: Model ABC-5 (Left) and ABC-6 (Right)

Figure 2-4: Model ABC-7 (Left) and ABC-8 (Right)

MODEL ECH1 - ELECTRIC CONTROL HEAD

Figure 3-1: Model ECH1 (Left) and ECH2 (Right)

Figure 3-2: Model ECH3 (Left) and ECH4 (Right)

Figure 3-3: Model ECH5 (Left) and ECH6 (Right)

Figure 3-4: Model ECH7 (Left) and ECH8 (Right)

MODEL NWCH3 - MECHANICAL CONTROL HEAD

Figure 4-1: Model NWCH3 (Left) and NWCH4 (Right)

Figure 4-2: Model NWCH5 (Left) and NWCH6 (Right)

Figure 4-3: Model NWCH7 (Left) and NWCH8 (Right)

Figure 4-4: Model NWCH9 (Left) and NWCH10 (Right)

CYLINDER BRACKETING

Figure 5-1: Model BRK1 (Left) and BRK2 (Right)

Figure 5-2: Model BRK3 (Left) and BRK4 (Right)

Figure 5-3: Model BRK5 (Left) and BRK6 (Right)

Figure 5-4: Model BRK7 (Left) and BRK8 (Right)

MODEL MWCH3 - MECHANICAL CONTROL HEAD

Figure 6-1: Model MWCH3 (Left) and MWCH4 (Right)

Figure 6-2: Model MWCH5 (Left) and MWCH6 (Right)

Figure 6-3: Model MWCH7 (Left) and MWCH8 (Right)

Figure 6-4: Model MWCH9 (Left) and MWCH10 (Right)

MODEL MWCH3 - MECHANICAL CONTROL HEAD

Figure 7-1: Model MWCH3 (Left) and MWCH4 (Right)

Figure 7-2: Model MWCH5 (Left) and MWCH6 (Right)

Figure 7-3: Model MWCH7 (Left) and MWCH8 (Right)

Figure 7-4: Model MWCH9 (Left) and MWCH10 (Right)

Pyro-Chem Cut Sheets SEMI DOWN DRAFT PAINT SPRAY BOOTH PCI-70 ABC CYLINDER 4 NOZZLES

CONTRACTOR MID SPRAY EQUIPMENT 410 E. GRANT LINE RD. TRACY, CA 95376 CALIFORNIA STATE LPA 488372 EXPIRES 03/31/2021		DESIGN TEAM RGI SPRAYBOOTH.NET PH (209) 831-9209 OR (562) 716-8210 PERMITS.RGI@GMAIL.COM 410 E. GRANT LINE RD. BLDG 1 TRACY CA 95376		DRAWING TITLE SPRAY BOOTH CUT SHEETS IMPERIOUZ AUTO BODY 815 WEST F STREET TURLOCK, CA 95380		DRAWING TEAM DATE: 10/14/2019 DRAWN BY: WJ STAMP:		SHEET: FS-5	
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CHAPTER I General Information		INTRODUCTION The purpose of this manual is to provide the user with the necessary information to operate the Pyro-Chem Cut Sheets Semi Down Draft Paint Spray Booth safely and effectively. This manual should be read carefully and followed exactly as written.	
TEMPERATURE LIMITATIONS The Pyro-Chem Cut Sheets Semi Down Draft Paint Spray Booth is designed to operate at a maximum ambient temperature of 100°F (38°C). If the ambient temperature exceeds this limit, the booth may not operate properly and could be damaged.		UL LISTING The Pyro-Chem Cut Sheets Semi Down Draft Paint Spray Booth is listed by Underwriters Laboratories (UL) as a Class I, Division 1, Group C, Location 1, Non-Hazardous (C1D1NC1) enclosure.	
CITY OF NEW YORK APPROVAL The Pyro-Chem Cut Sheets Semi Down Draft Paint Spray Booth has been approved by the City of New York Department of Buildings (DOB) for use in the City of New York.		CHAPTER II Safety	
SAFETY The Pyro-Chem Cut Sheets Semi Down Draft Paint Spray Booth is a Class I, Division 1, Group C, Location 1, Non-Hazardous (C1D1NC1) enclosure. It is designed to protect the user from the hazards of the paint spray process.		SAFETY The Pyro-Chem Cut Sheets Semi Down Draft Paint Spray Booth is a Class I, Division 1, Group C, Location 1, Non-Hazardous (C1D1NC1) enclosure. It is designed to protect the user from the hazards of the paint spray process.	

Pyro-Chem Cut Sheets

EMI DOWN DRAFT PAINT SPRAY BOOTH

PCI-17 ABC CYLINDER

2 NOZZLES

PCI-17ABC with 2 nozzles

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PCI-17ABC with 2 nozzles

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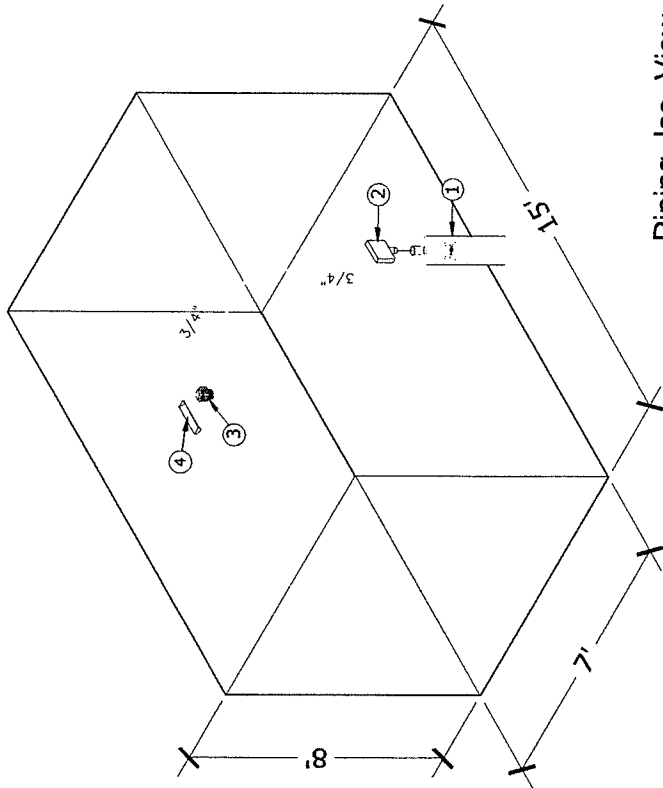
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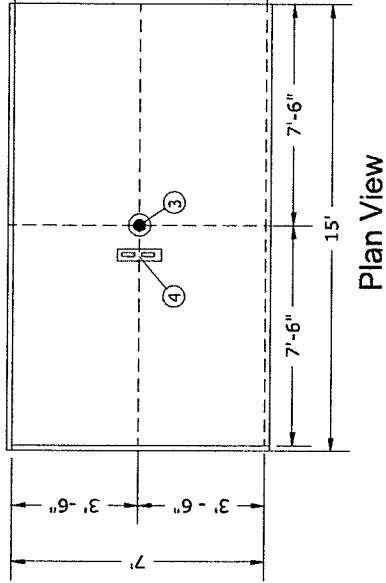
2000

NOTE: This Pyro-Chem dry chemical system shall be installed in accordance with manufacturers specifications and NFPA No. 17. The fire system is electrically interlocked with the spray booth fan for whenever there is a fire the fan will shut off automatically.

Pre-Engineered Pyro-Chem Dry-Chemical System UL 1254 B MIXING ROOM



Piping Iso. View



Plan View

NO.	EQUIPMENT	LOCATION	QTY.
1	PCI-70 ABC Cylinder		1
2	Mechanical Control Head W/ Pull Station		1
3	FLK-1 Fusible Links Kits 165°	(1) - in ea. exhaust duct	1
4	NV-WA Nozzle	(1) - in ea. work area	1

See and Fittings
Note: All pipe shall be Schedule 10 black, galvanized, chrome plated or stainless steel pipe in compliance with NFPA 17. All pipe ends shall be thoroughly reamed after cutting, and all oil, chips, and debris shall be removed prior to nozzle installation. Fittings: Standard weight maleable galvanized, chrome plated or stainless steel fittings shall be used. Note: All system pipe and fittings will be sized in accordance with the system Technical Manual. No substitutions are allowed. No joint sealant shall be used in the discharge piping. Exception: Teflon tape may be used to ensure a snug fit. Fittings: All system discharge pipe shall be securely fastened by means of pipe hangers and/or pipe straps. UL Listed pipe hangers shall be used. Note: A union shall be installed in the discharge piping conveniently close to the cylinder valve to permit disconnection for inspection and service. Note: Cylinder can be installed on either side of the booth.

CONTRACTOR

MOIS SPRAY EQUIPMENT
410 E. GRANT LINE RD #1
TRACY, CA 95376
CALIFORNIA STATE
LICENSURE
B-018
EXPIRES: 06/30/2021

DESIGN TEAM

RG SPRAYBOOTH.NET
410 E. GRANT LINE RD, BLDG 1 TRACY CA 95376
PH (209) 831-9209 OR (562) 716-8210
PERMITS.RGI@GMAIL.COM

DRAWING TITLE

MIXING ROOM FIRE SUPPRESSION

PROJECT ADDRESS

IMPERIOUX AUTO BODY
815 WEST F STREET
TURLOCK, CA 95380

DRAWN BY: MM

DATE: 10/1/2018

STAMP:

AS REQUIRED
BY THE
PERMITS
DIVISION

SHEET:

FS-7

Pyro-Chem Cut Sheets MIXING ROOM PCI-70 ABC CYLINDER 1 NOZZLES

Pyro-Chem Cut Sheets
 MIXING ROOM
 PCI-70 ABC CYLINDER
 1 NOZZLES