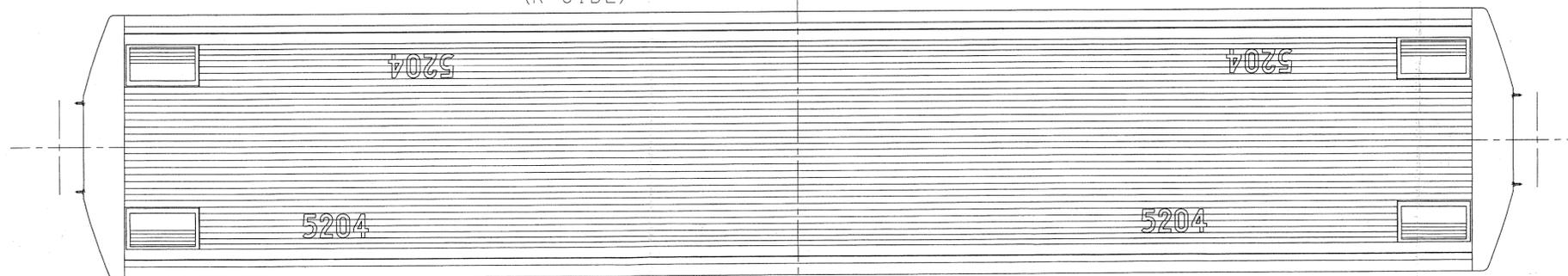


EXTERIOR ELEVATION-R SIDE

(R SIDE)

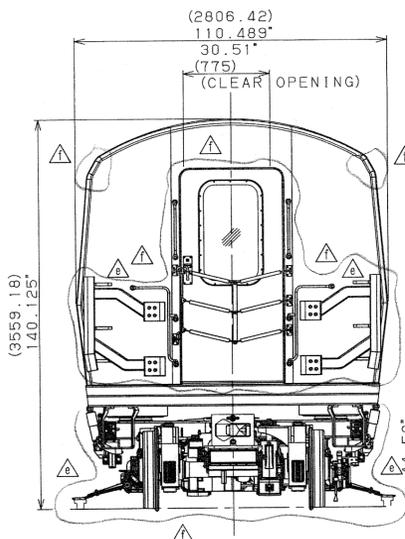


ROOF PLAN

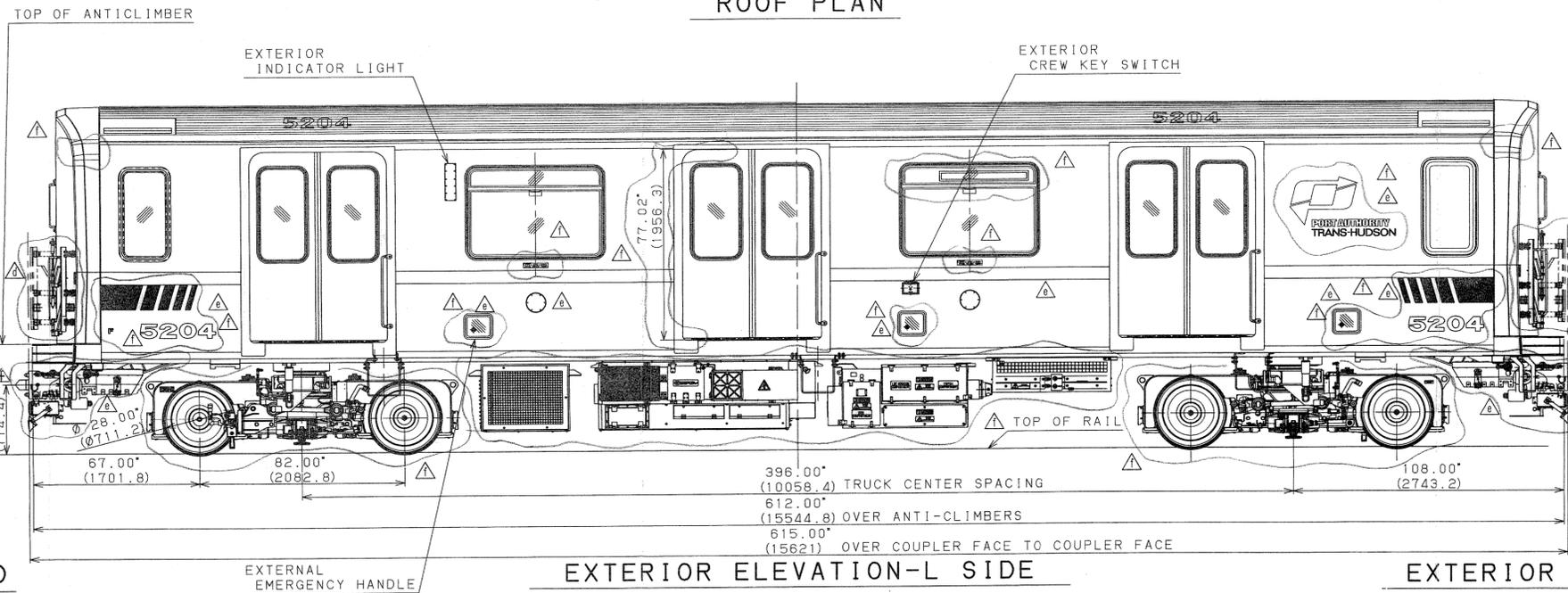
(L SIDE)

NO. 1 END

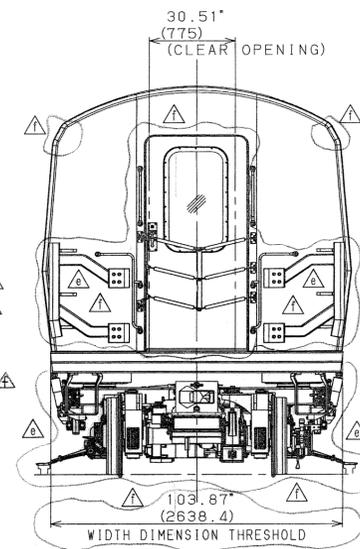
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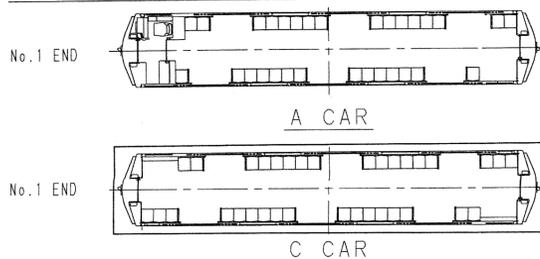
EXTERIOR ELEVATION-NO.1 END



EXTERIOR ELEVATION-L SIDE



EXTERIOR ELEVATION-NO.2 END



APPLICABLE CAR	SET/CAR	WT/CAR	EFFECTIVITY
A			
C	1		ALL CARS

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UNLESS OTHERWISE SPECIFIED

TOLERANCE OF DIMENSIONS
0.02" - 0.12" (0.5 - 3) ±0.01" (0.2)
0.12" - 0.24" (3 - 6) ±0.01" (0.2)
0.24" - 1.20" (6 - 30) ±0.02" (0.5)
1.20" - 4.70" (30 - 120) ±0.03" (0.8)
4.70" - 12.5" (120 - 315) ±0.05" (1.2)
12.5" - 40.0" (315 - 1000) ±0.08" (2.0)
40.0" - 80.0" (1000 - 2000) ±0.12" (3.0)
OVER 80.0" (2000 -) ±0.25" (6.0)

ANGLES ±1°

DRILLED HOLE DIA. TOLERANCES
0.12" - 0.24" (3 - 6) ±0.008" (0.15) - 0
0.24" - 0.47" (6 - 12) ±0.010" (0.25) - 0
0.47" - 0.86" (12 - 25) ±0.012" (0.30) - 0
0.86" - 1.97" (25 - 50) ±0.018" (0.40) - 0

CLASSIFICATION	SCALE
形状区分	1:32
1	MATERIAL
2	材質
3	WEIGHT (LBS)
4	重量 (kg)
5	SURFACE TREATMENT

REV. ECO. NO.	DESCRIPTION	DATE	DRAWN	CHECKED	APP'D
f	07RC0090 UPDATED.	07.07.26	a.t.	a.t.	
e	UPDATED.	06.06.12	H.Y.	H.Y.	T.Y.
d	ADDED CAR NO. AND UPDATE.	05.01.23	H.Y.	H.Y.	T.Y.
c	CHANGED SHAPE OF END GATE.	05.11.28	H.Y.	H.Y.	T.Y.
b	CHANGED CARBODY LENGTH.	05.11.16	H.Y.	H.Y.	T.Y.
a	SEE 2/4.	05.10.19	H.Y.	H.Y.	T.Y.

川崎重工業株式会社 KAWASAKI HEAVY INDUSTRIES, LTD. 神戸市東灘区

GENERAL ARRANGEMENT 形式図 (C CAR)

13017-03519f

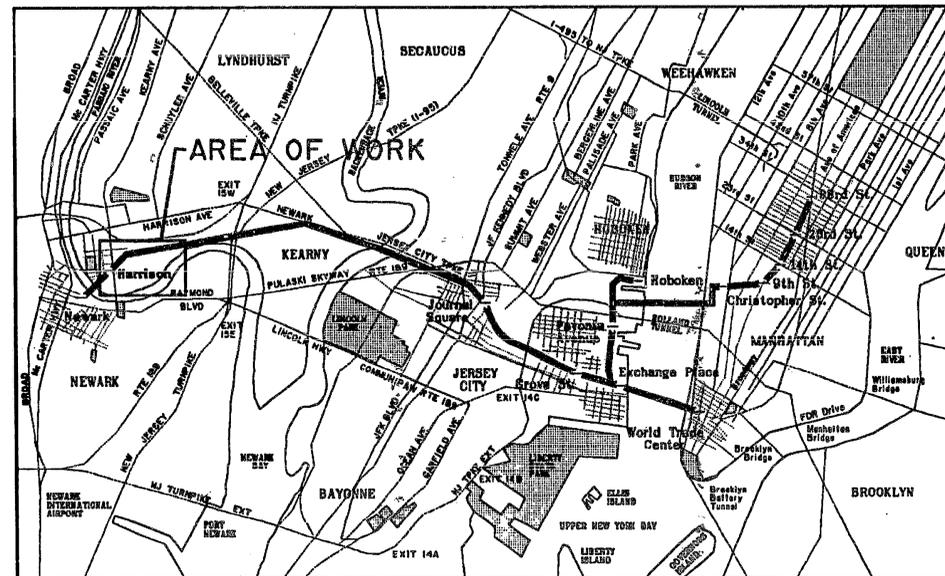
PROJECT: PA-5, STS. CODE: 412, SER. NO.: 012, REVISION: f



PORT AUTHORITY TRANS-HUDSON CORPORATION

MAIN REPAIR
FACILITY AND YARD
AT HARRISON AND KEARNY
SHOP BUILDINGS

CONTRACT NO. PAT - 150.153



LOCATION PLAN

FOR CONFORMED DOCUMENT DISTRIBUTION ONLY

GROUP II
HVAC DRAWINGS
PLUMBING DRAWINGS
FIRE PROTECTION DRAWINGS

PORT AUTHORITY TRANS-HUDSON CORPORATION

[Signature]
CHIEF ENGINEER
[Signature]
ASSISTANT CHIEF ENGINEER OF DESIGN
[Signature]
ENGINEER OF DESIGN
RAIL TRANSPORTATION FACILITIES
[Signature]
MANAGER OF RAIL PLANNING

Engineering Department
Design Divisions

MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY

Title
SHOP BUILDINGS
TITLE SHEET
AND LOCATION PLAN

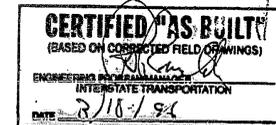
1-20-95 AS BUILT G.H.K.
No. Date Revision Approved

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to P.A.T.H. and may not be used without it's written consent.

Designer CADD Drafter Task Leader

6/7/88
Date Senior Engineer

Contract Number Drawing Number
PAT - 150.153 G-1



GENERAL

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THE PORT AUTHORITY OF NY & NJ

Engineering Department Design Division

MAIN REPAIR FACILITY AND YARD AT HARRISON AND KEARNY

Title SHOP BUILDINGS INDEX OF DRAWINGS SHEET 1

DWG. No. G-05 G.H.K. 12/15/88 ADDED

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G.H.K. E.T.I. Designed by Task Leader

Date 6-7-88 Scale NONE Contract Number PAT-150.153 Drawing Number G-02

CONFORMED 12-15-88

Sheet No.	Draw No.	Title
FIRE PROTECTION		
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465	E284	Contact Rail Layout & D.C. Positive Dist.
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480	E301	Passerelle & Misc Bldg Lighting & Power
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502	E331	LCC Input Connection Detail - Sheet No. 3
503	E332	LCC Input Connection Detail - Sheet No. 4
504	E333	LCC Input Connection Detail - Sheet No. 5
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Sheet 01 550

**THE PORT AUTHORITY
OF NY & NJ**

*Parsons
Brinckerhoff*
Engineers, Architects, Planners

**Engineering Department
Design Division**

**MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY**

Title
**SHOP BUILDINGS
INDEX OF DRAWINGS
SHEET 2**

1	7/2/88	GENERAL	E.S.
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No Date Revision Approved

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G.H.K. E.T.I.
Designed by Drawn by Task Leader

Date 3/25/88 Scale NONE

Contract Number Drawing Number
PAT-150.153 G-03

CONFORMED 12-15-88

PORT AUTHORITY
TRANS-HUDSON CORPORATION

Parsons
Brinckerhoff
Engineers - Architects - Planners

Engineering Department
Design Divisions

MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY

ALVIN R. JAHNELKA
NO. 9393
PROFESSIONAL
ENGINEER

Title
SHOP BUILDINGS
GROUND LEVEL
PLUMBING
AREA 4

1-20-95	AS BUILT	M.H.
5-15-88	ADDED EYEWASH, DELETED PVC MATERIAL & REVISED EXPANSION OF DISTILLED WATER LINE	H.E.
No. Date	Revision	Approved

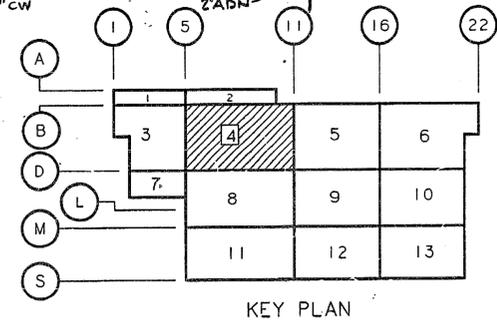
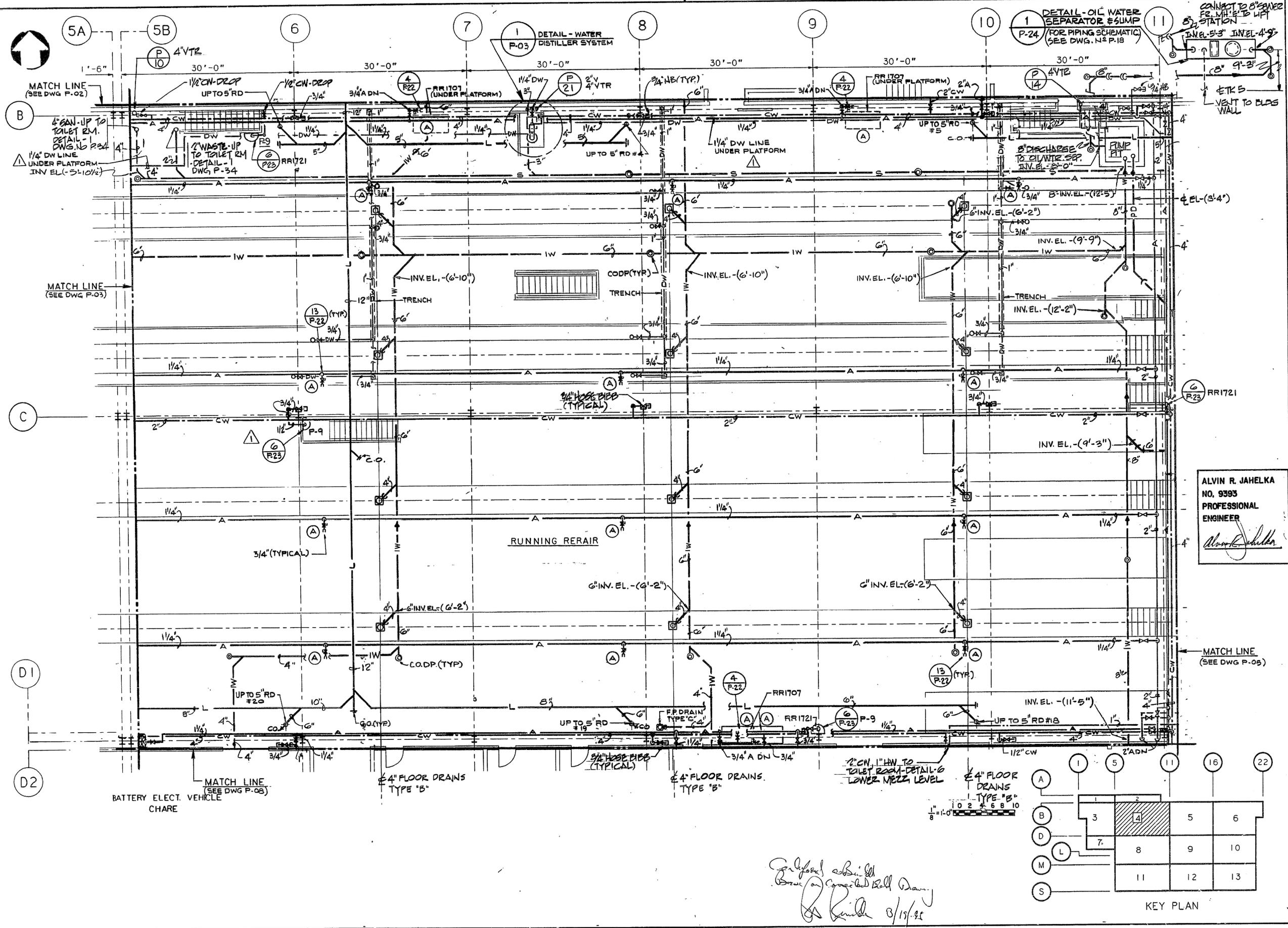
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H.E. N.K. A.R.J.

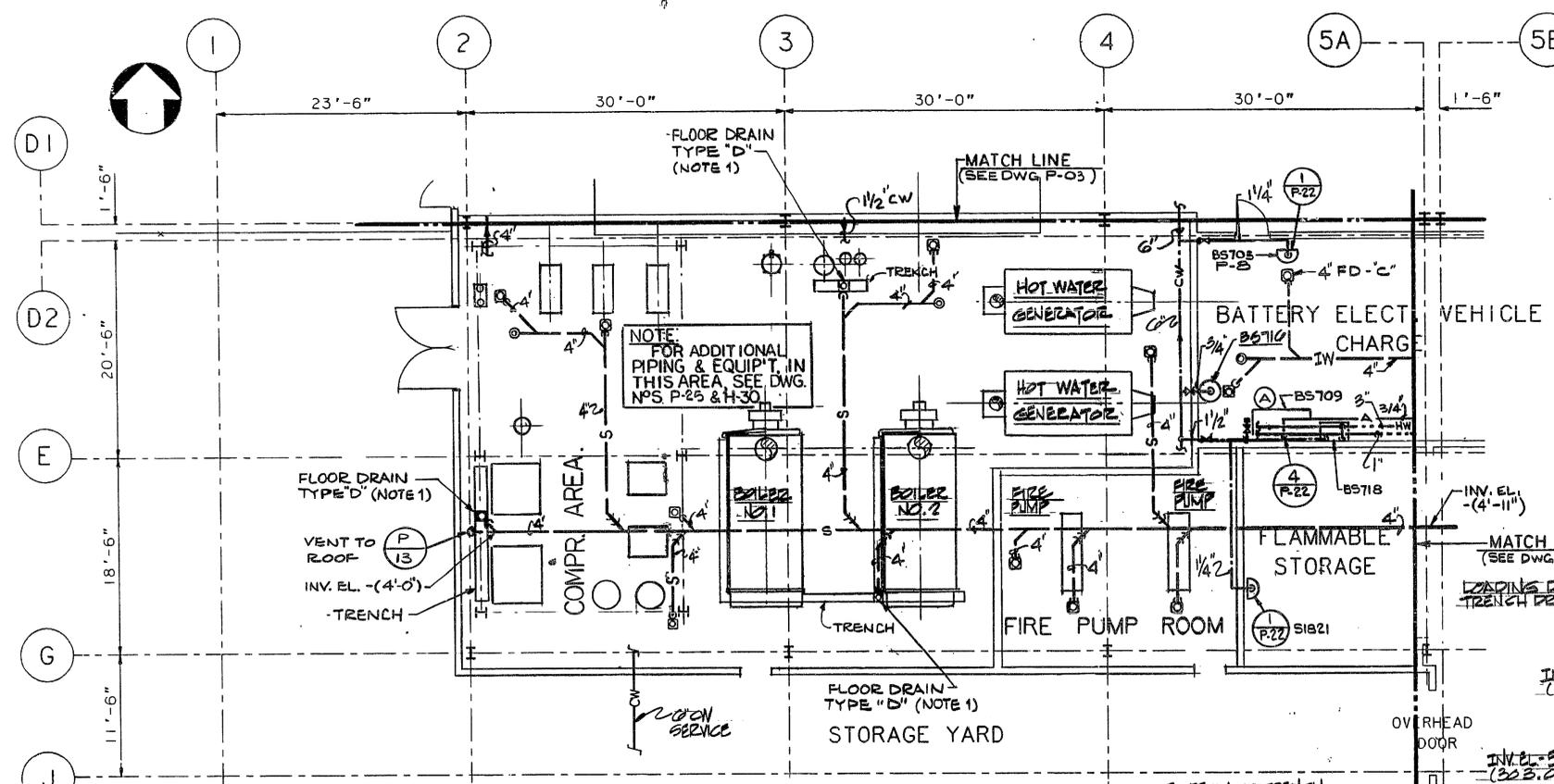
Checked By Drawn By Task Leader

Date 6/7/88 Scale 1/8" = 1'-0"

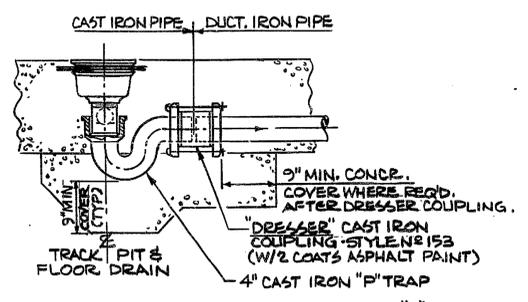
Contract Number Drawing Number
PAT-150.153 P-04



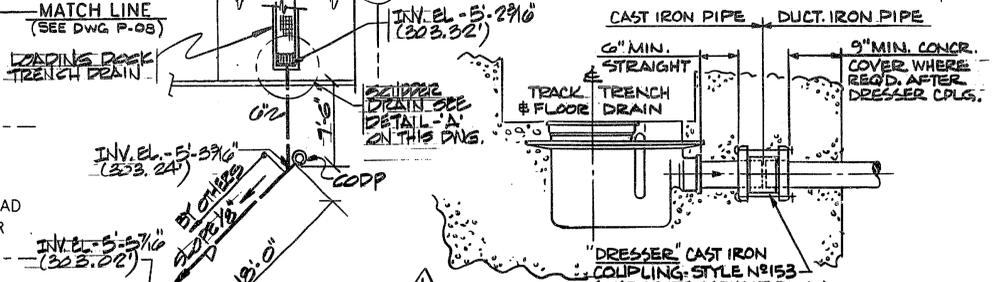
*Confidential subject
Bore on connected Ball Drain
R. K. 3/15/95*



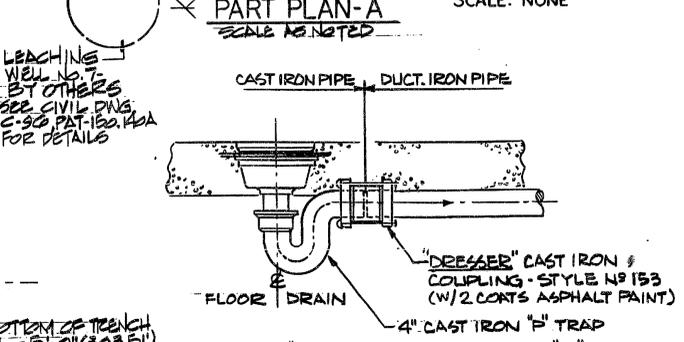
NOTES:
 1. ALL FLOOR DRAINS TO BE TYPE "C" EXCEPT WHERE NOTED OTHERWISE.



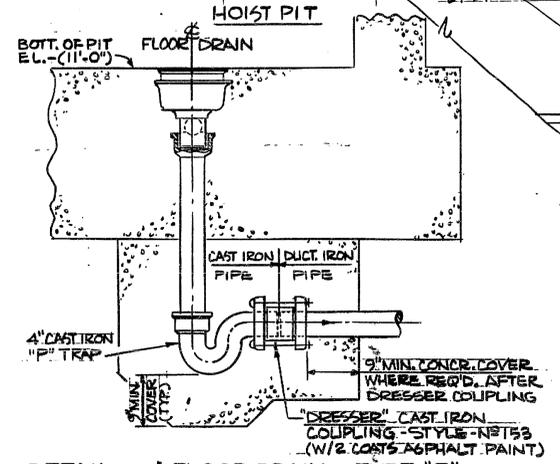
DETAIL - 4" FLOOR DRAIN - TYPE "A"
 SCALE: NONE



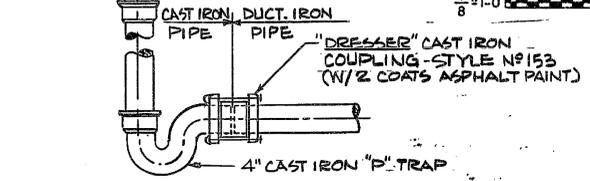
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 SCALE: NONE



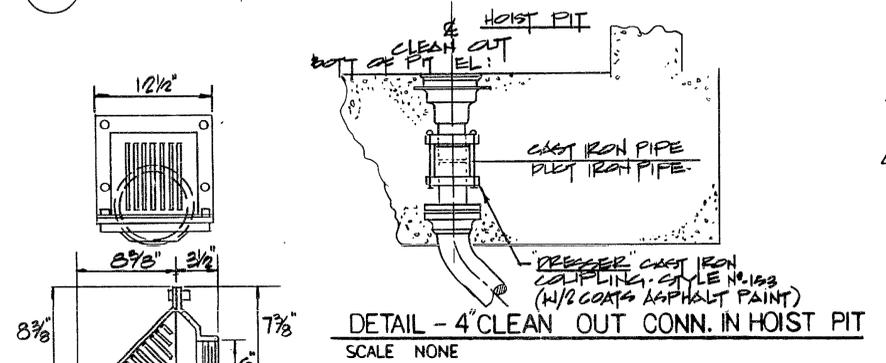
DETAIL - 4" FLOOR DRAIN - TYPE "C"
 SCALE: NONE



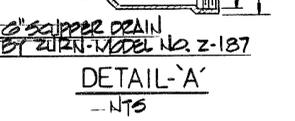
DETAIL - 4" FLOOR DRAIN - TYPE "E"
 SCALE: NONE



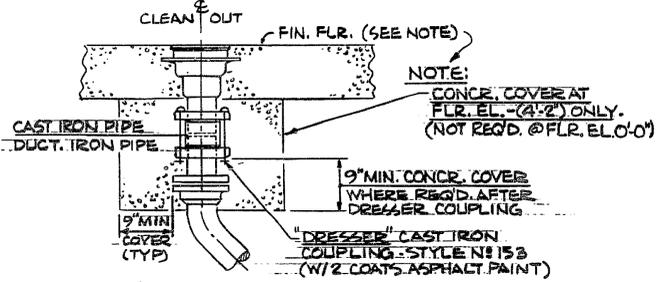
DETAIL - 4" FLOOR DRAIN - TYPE "D"
 SCALE: NONE



DETAIL - 4" CLEAN OUT CONN. IN HOIST PIT
 SCALE: NONE



DETAIL - 4" CLEAN OUT AT FINISHED FLOOR
 SCALE: NONE



DETAIL - 4" CLEAN OUT AT FINISHED FLOOR
 SCALE: NONE

LOADING DOCK
 TRENCH DRAIN
 INV. EL. - 5'-5 3/4" (303.24)
 INV. EL. - 5'-5 3/4" (303.22)
 INV. EL. - 5'-5 3/4" (303.69)
 BOTTOM OF TRENCH EL. - 4'-5 3/4" (303.69)

LEACHING WELL NO. 1
 BY OTHERS
 SEE CIVIL DWG. C-90 PAT-150.40A FOR DETAILS

FOR CONTINUATION OF 6" LEACHING DOCK DRAIN SEE PART PLAN - A ON THIS DWG.

ALVIN R. JAHNELKA
 NO. 9393
 PROFESSIONAL ENGINEER

Alvin R. Jahnelka

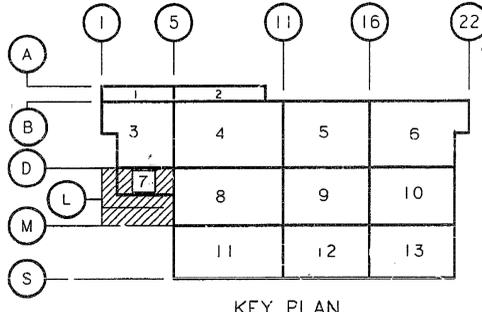
CERTIFIED "AS BUILT"
 (BASED ON UNRECTIFIED FIELD DRAWINGS)
 ENGINEERING PROFESSIONAL CORPORATION
 INTERSTATE TRANSPORTATION
 DATE 5/19/98

Engineering Department
Design Divisions
MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY

Title
**SHOP BUILDINGS
 GROUND LEVEL
 PLUMBING
 AREA 7**

1-20-95	AS BUILT	M.H.
11-1-95	REVISED LEACHING DOCK TRENCH DRAINAGE	M.H.

No.	Date	Revision	Approved
H.E.	S.K.	A.R.J.	
Checked By	Drawn By	Task Leader	
Date 6/7/88	Scale 1/8" = 1'-0"		
Contract Number	Drawing Number		
PAT-150.153	P-07		





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Engineering Department
Design Divisions

MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY

Title
SHOP BUILDINGS
GROUND LEVEL PLUMBING
AREA 9

AS BUILT M.H.
No. Date Revision Approved

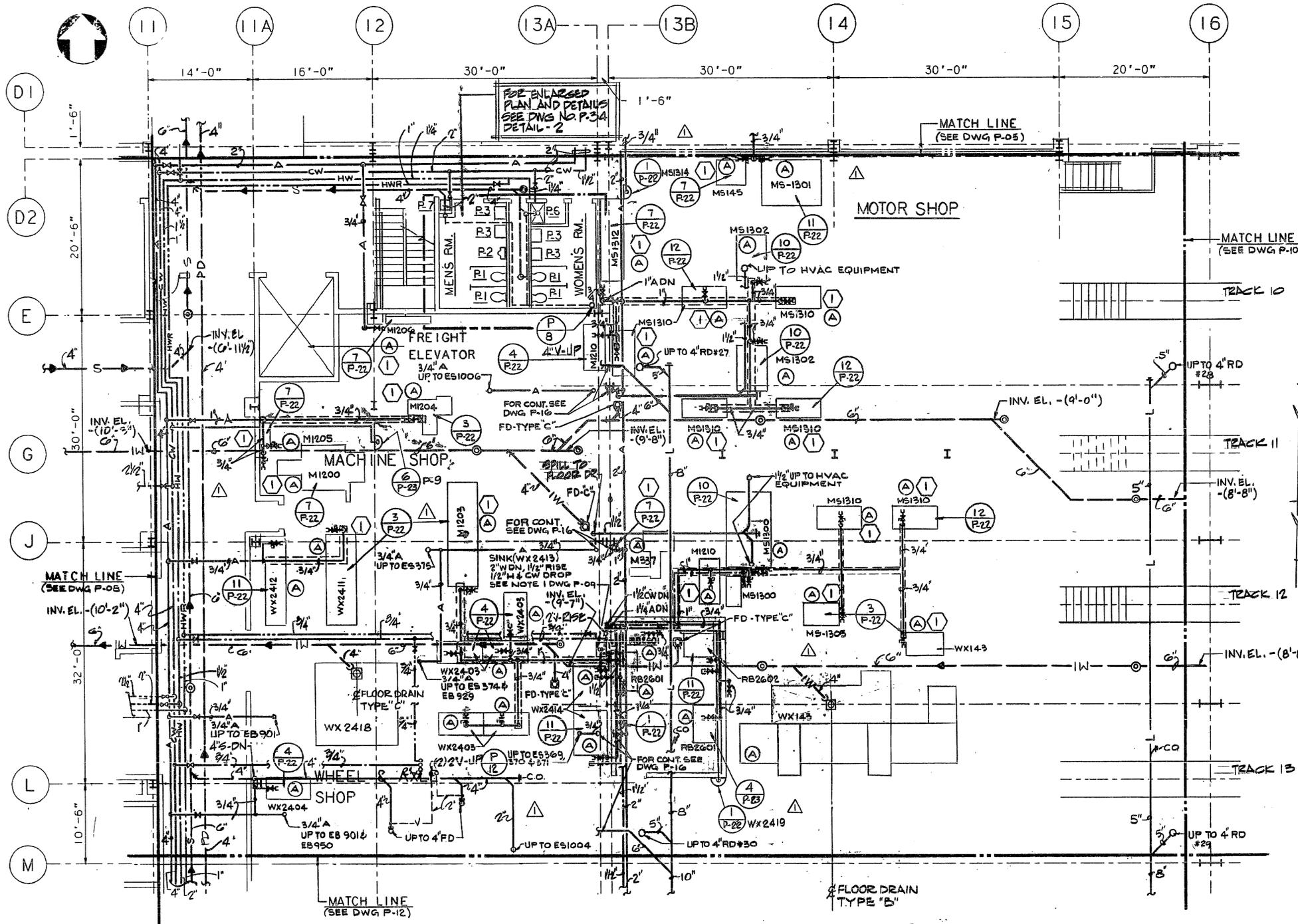
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H.E. N.K. A.R.J.

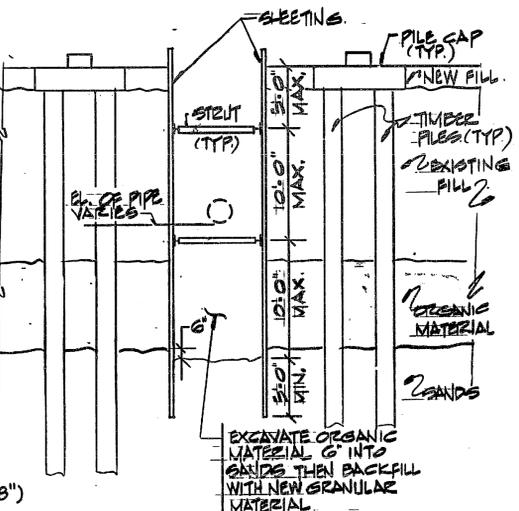
Checked By Drawn By Task Leader

Date 6/17/88 Scale 1/8" = 1'-0"

Contract Number Drawing Number
PAT-150.153 P-09

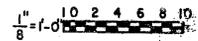


AIR PRESS. RED. VALVE SCHEDULE
① PRESS. RED. VALVE REDUCTION FROM 125 TO 50 PSIG



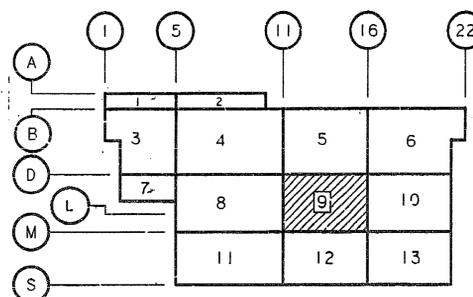
BRACED EXCAVATION FOR PLACEMENT OF UNDERGROUND UTILITIES
NTS

- NOTES:**
1. PROVIDE BRACED EXCAVATION AS REQUIRED TO PREVENT UNDERMINING THE PILE AND PILE CAP.
 2. RESTRAIN PILE CAPS AS REQUIRED TO PREVENT MOVEMENT.
 3. SHEETING SHALL HAVE ADEQUATE PENETRATION TO PREVENT PILING IN UNDERLYING SANDS.
 4. PROVIDE PIPE BEDDING AS SPECIFIED.
 5. DEWATER EXCAVATION AS NEEDED.



CERTIFIED "AS BUILT"
(BASED ON COMPLETED FIELD SURVEYING)
ALVIN R. JAHELKA
NO. 9393
PROFESSIONAL ENGINEER
DATE 3/15/86

ALVIN R. JAHELKA
NO. 9393
PROFESSIONAL ENGINEER



KEY PLAN

52

PORT AUTHORITY
TRANS-HUDSON CORPORATION

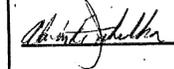
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Brinckerhoff
Engineers - Architects - Planners

Engineering Department
Design Divisions

MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY

Title
SHOP BUILDINGS
GROUND LEVEL PLUMBING
AREA 12

ALVIN R. JAHNELKA
NO. 9393
PROFESSIONAL
ENGINEER



CERTIFIED "AS BUILT"
(BASED ON CORRECTED FIELD DRAWINGS)
ENGINEER'S SIGNATURE
DATE 8/19/98

1-20-99 AS BUILT M.D.
No. Date Revision Approved

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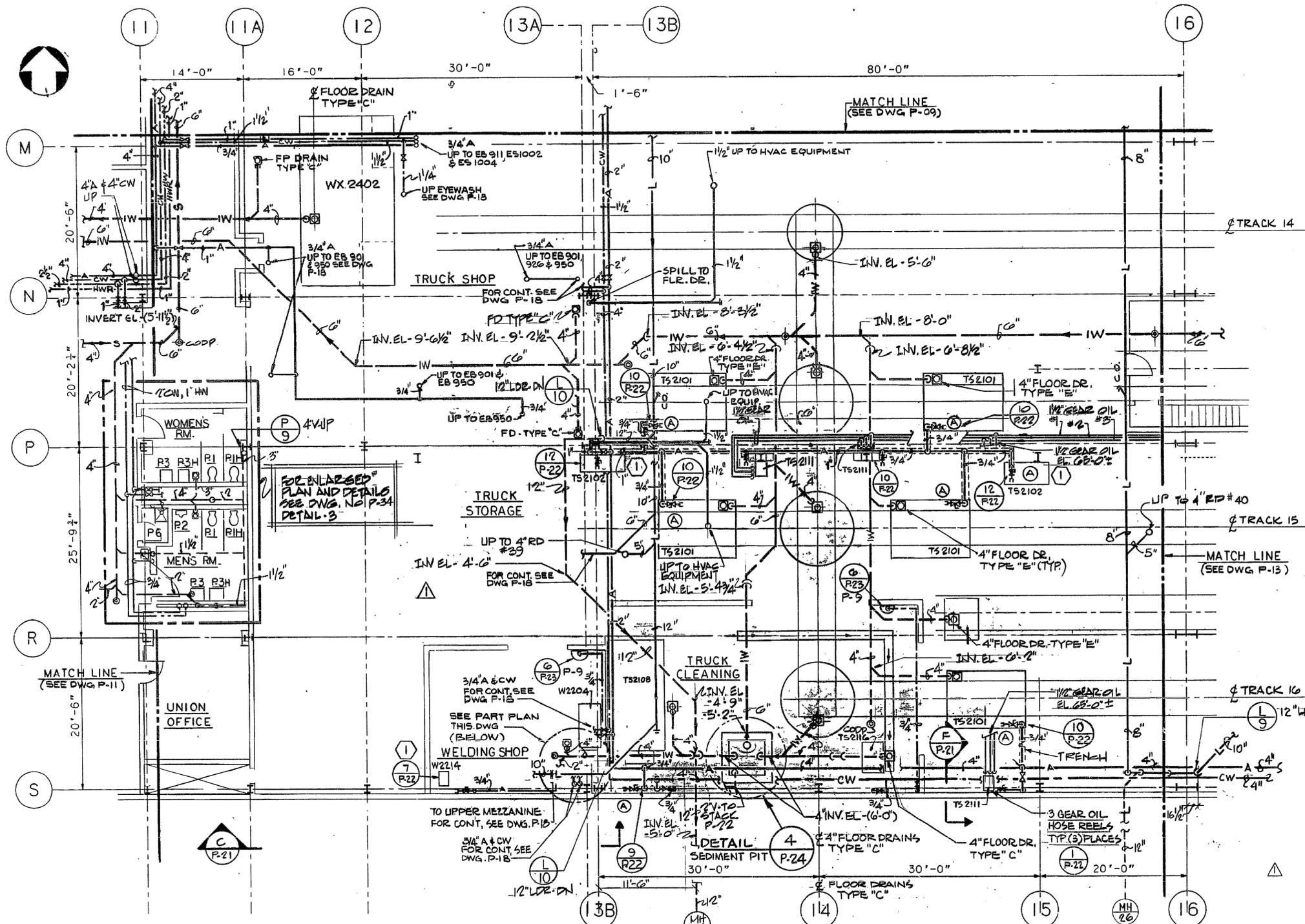
H.E. N.K. A.R.J.

Checked By Drawn By Task Leader

Date 6/7/88 Scale 1/8" = 1'-0"

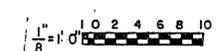
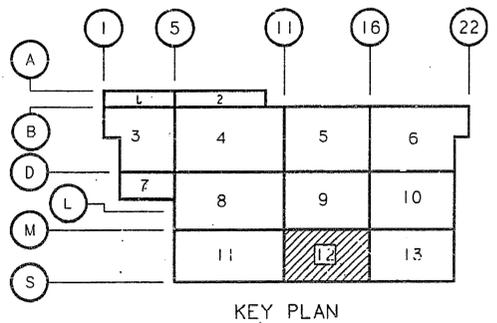
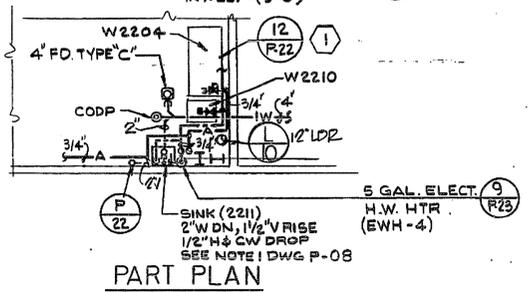
Contract Number Drawing Number

PAT-150.153 P-12



AIR PRESSURE REDUCING VALVE SCHEDULE

1	PRESS. RED. VALVE REDUCTION FROM 125 TO 50 PSIG
---	---



NOTES:

1. FOR FLOOR DRAIN TYPES NOT NOTED ON THIS DWG, SEE DWG. P-02
2. FOR SCHEMATIC PIPING ARRGT OF DOMESTIC HOT WATER GENERATORS, SEE DWG. P-24

PORT AUTHORITY
TRANSIT CORPORATION

Parsons
Brinckerhoff
Engineers - Architects - Planners

Engineering Department
Design Divisions

MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY

Title
SHOP BUILDINGS
COMPRESSOR ROOM,
BOILER ROOM, &
FIRE PUMP ROOM

AS BUILT	M.H.
No. Date Revision	Approved.

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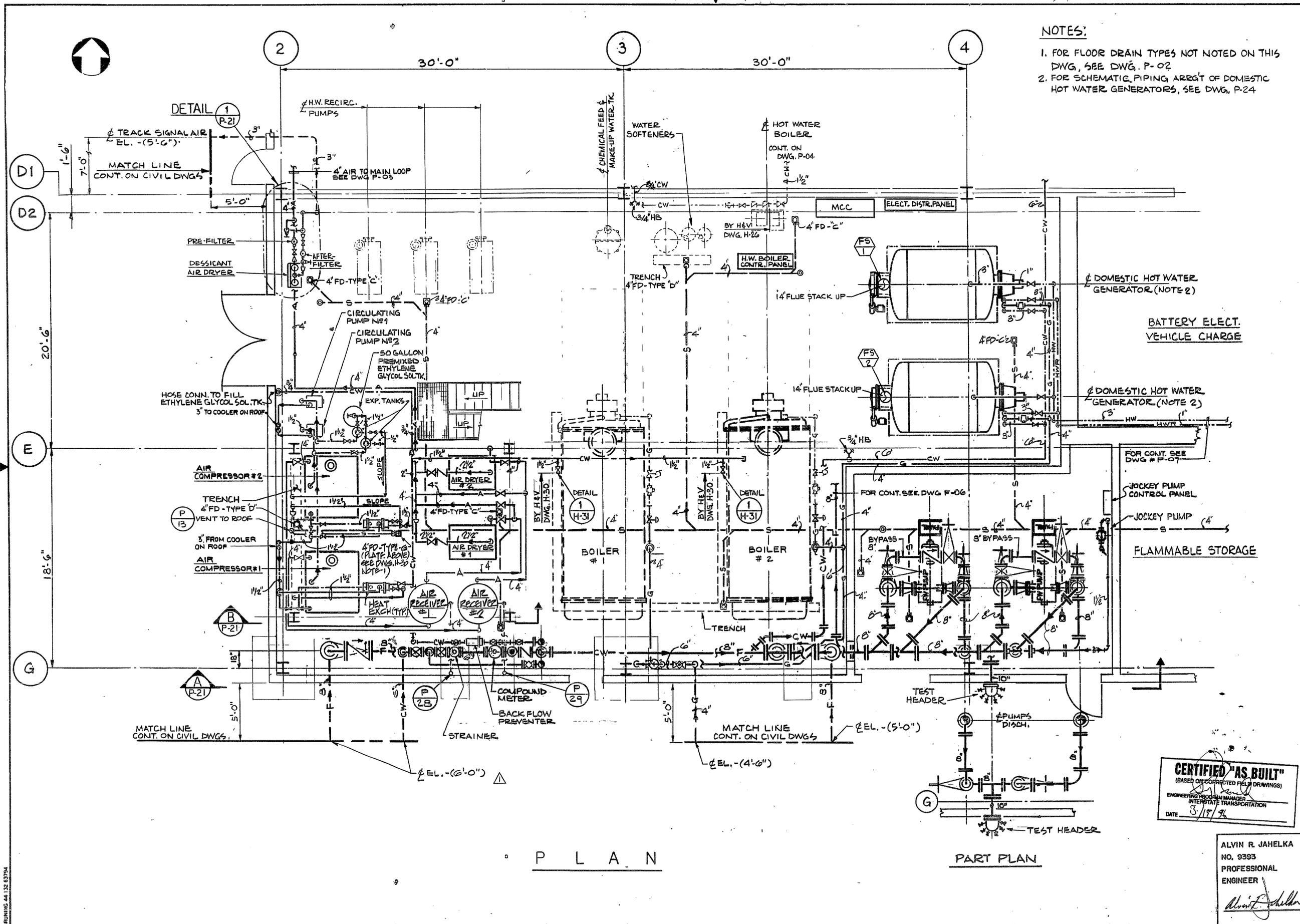
H.E. S.K. A.R.J.
Checked by Drawn by Task Leader

Date 6/7/88 Scale 1/4"=1'-0"

Contract Number Drawing Number
PAT-150.153 P-25

CERTIFIED "AS BUILT"
(BASED ON CORRECTED FIELD DRAWINGS)
ENGINEERING PROGRAM MANAGER
INTERSTATE TRANSPORTATION
DATE 3/17/91

ALVIN R. JAHIELKA
NO. 9393
PROFESSIONAL
ENGINEER
Alvin R. Jahielka



P L A N

PART PLAN

BRUNING 44 132 63794

PORT AUTHORITY
TRANS-HUDSON CORPORATION

ALVIN R. JAHIELKA
NO. 0393
PROFESSIONAL
ENGINEER

Parsons
Brinckerhoff
Engineers - Architects - Planners

Engineering Department
Design Divisions

MAIN REPAIR
FACILITY AND YARD
AT HARRISON
AND KEARNY

Title
SHOP BUILDINGS
SCHEMATIC PIPING
ARRANGEMENT OF
COMPRESSOR ROOM

CERTIFIED "AS BUILT"
(BASED ON CORRECTED FIELD DRAWINGS)
ENGINEER/PROFESSIONAL MANAGER
INTERSTATE TRANSPORTATION
DATE 3/19/76

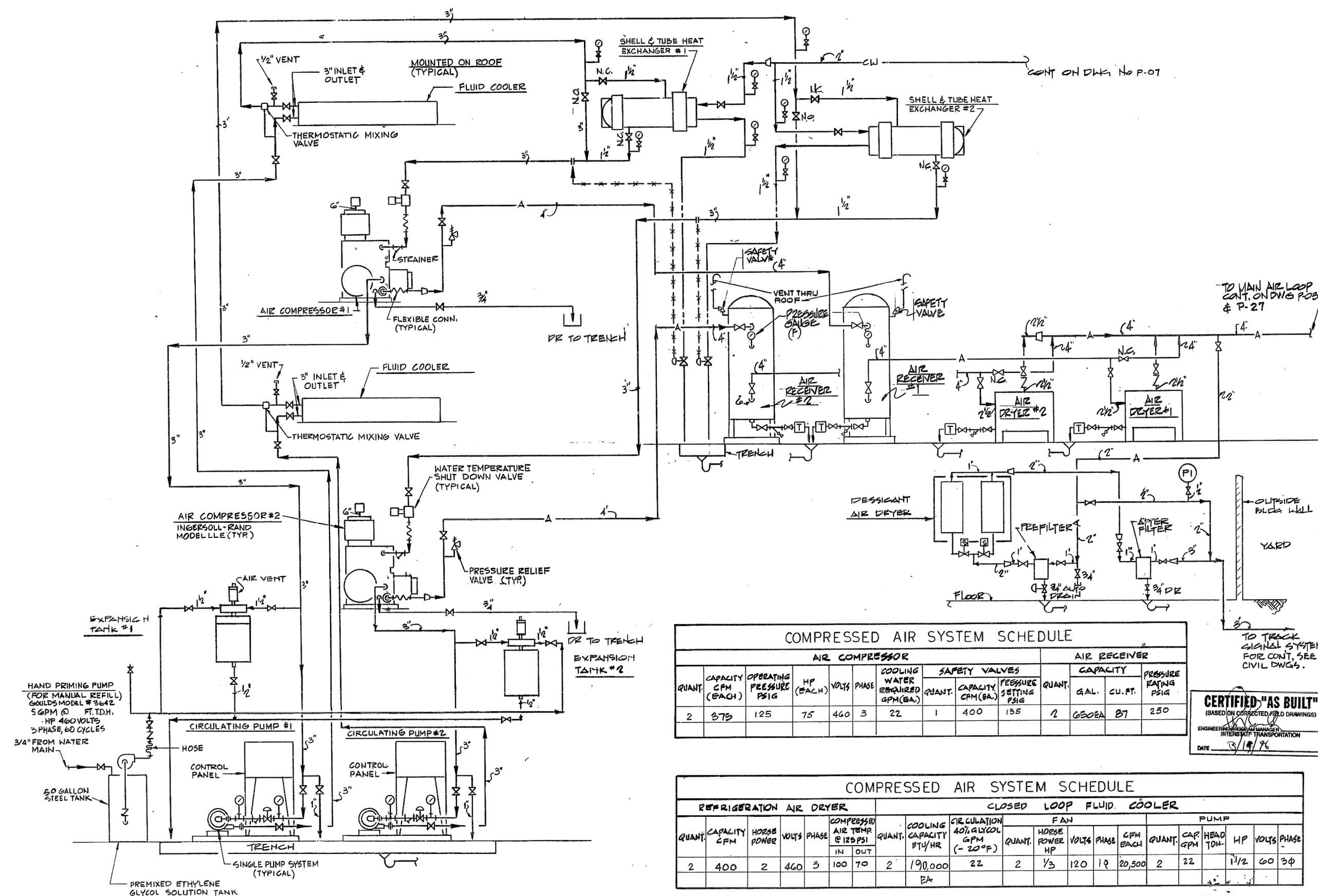
AS BUILT M.H.
No. Date Revision Approved

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H.E. S.K. A.R.J.
Checked by Drawn by Task Leader

Date 6/7/88 Scale None

Contract Number Drawing Number
PAT-150.153 P-26



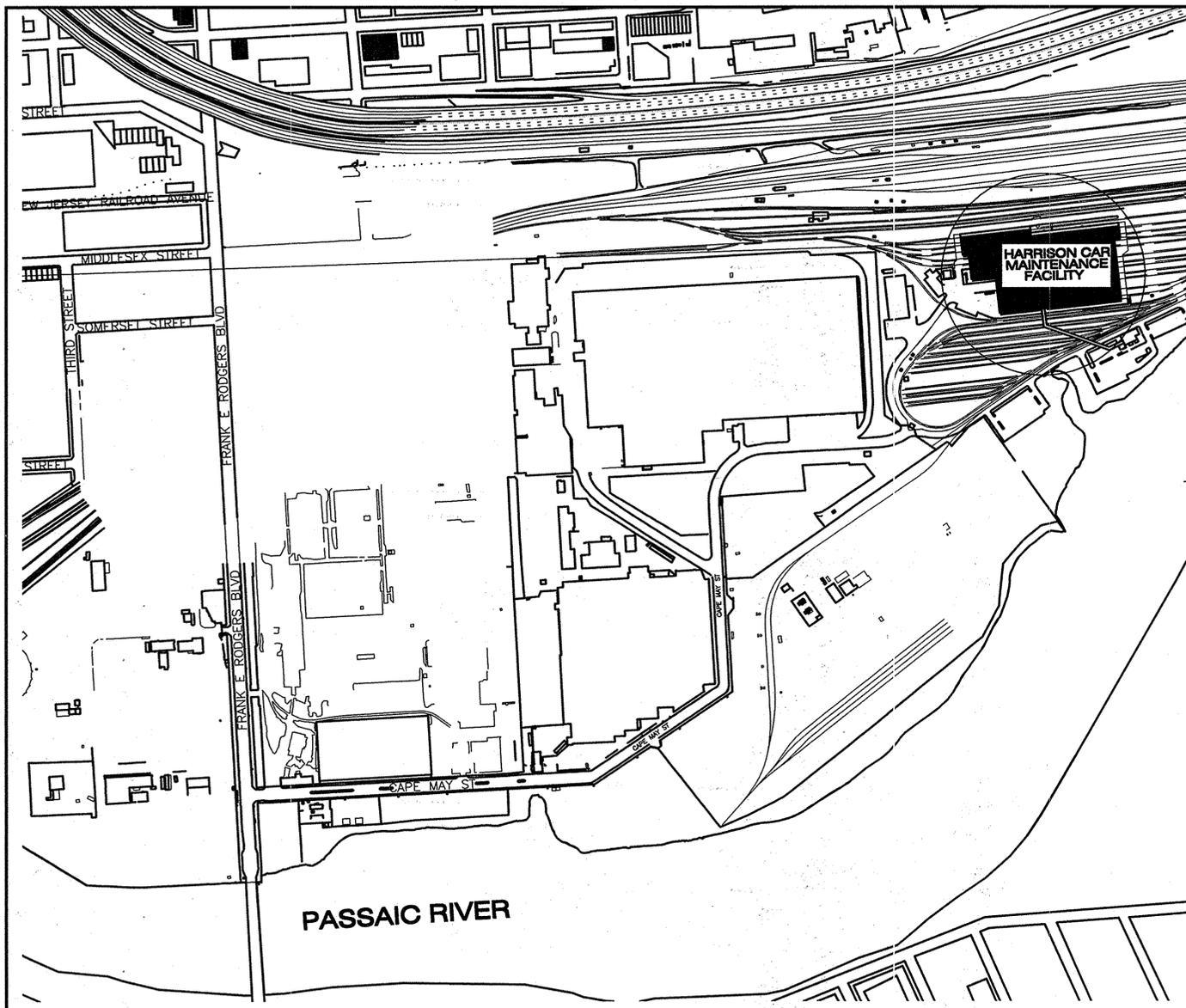
COMPRESSED AIR SYSTEM SCHEDULE

AIR COMPRESSOR							AIR RECEIVER						
QUANT.	CAPACITY CFM (EACH)	OPERATING PRESSURE PSIG	HP (EACH)	VOLTS	PHASE	COOLING WATER REQUIRED GPM (EA)	QUANT.	CAPACITY CFM (EA)	PRESSURE SETTING PSIG	QUANT.	GAL.	CU. FT.	PRESSURE RATING PSIG
2	375	125	75	460	3	22	1	400	135	2	650EA	27	250

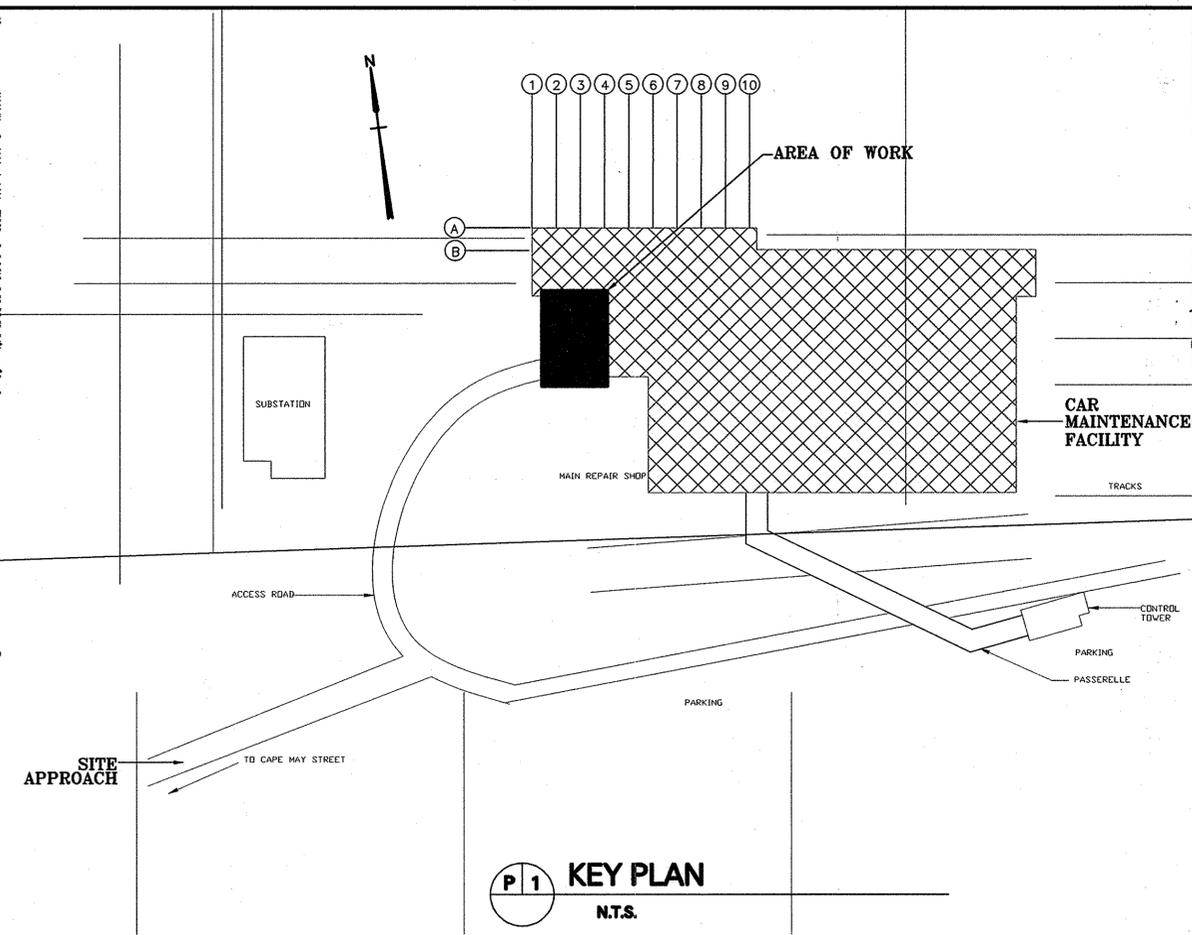
COMPRESSED AIR SYSTEM SCHEDULE

REFRIGERATION AIR DRYER						CLOSED LOOP FLUID COOLER													
QUANT.	CAPACITY CFM	HORSE POWER	VOLTS	PHASE	COMPRESSED AIR TEMP @ 125 PSI IN OUT	QUANT.	COOLING CAPACITY BTU/HR	CIRCULATION 40% GLYCOL GPM (-20°F)	FAN			PUMP							
									QUANT.	HORSE POWER HP	VOLTS	PHASE	GPM EACH	QUANT.	CAP. GPM	HEAD TDH	HP	VOLTS	PHASE
2	400	2	460	3	100 70	2	190,000	22	2	1/3	120	1φ	20,500	2	22		1 1/2	60	3φ

BRUNING 44-132 63794



SITE PLAN
NOT TO SCALE



P 1 KEY PLAN
N.T.S.

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CHIEF MECHANICAL ENGINEER

No.	Date	Revision	Approved

ENGINEERING DEPARTMENT

PATH
HARRISON CAR
MAINTENANCE
FACILITY

MECHANICAL

Title

COMPRESSED
AIR SYSTEM
UPGRADE

LOCATION PLAN
KEY PLAN
AND
INDEX OF DRAWINGS

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

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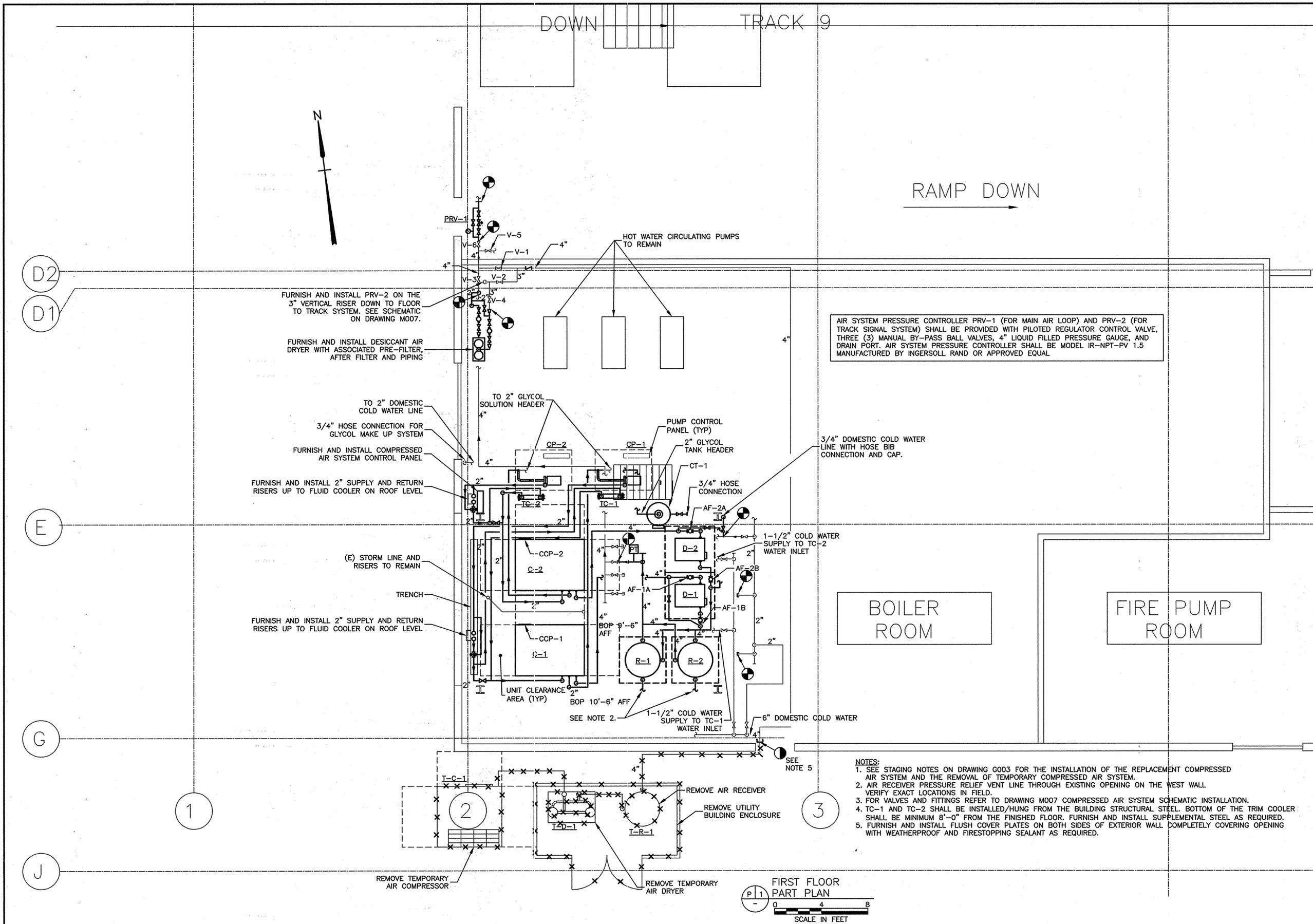
P LUCIEN P LUCIEN M PACE
Designed by Drawn by Checked by

Date 11/17/2008

Contract Number **PAT-622**

Drawing Number **G002**
PID# 05902000

[Signature]
 CHIEF MECHANICAL ENGINEER



AIR SYSTEM PRESSURE CONTROLLER PRV-1 (FOR MAIN AIR LOOP) AND PRV-2 (FOR TRACK SIGNAL SYSTEM) SHALL BE PROVIDED WITH PILOTTED REGULATOR CONTROL VALVE, THREE (3) MANUAL BY-PASS BALL VALVES, 4" LIQUID FILLED PRESSURE GAUGE, AND DRAIN PORT. AIR SYSTEM PRESSURE CONTROLLER SHALL BE MODEL IR-NPT-PV 1.5 MANUFACTURED BY INGERSOLL RAND OR APPROVED EQUAL.

FURNISH AND INSTALL PRV-2 ON THE 3" VERTICAL RISER DOWN TO FLOOR TO TRACK SYSTEM. SEE SCHEMATIC ON DRAWING M007.

FURNISH AND INSTALL DESICCANT AIR DRYER WITH ASSOCIATED PRE-FILTER, AFTER FILTER AND PIPING

TO 2" DOMESTIC COLD WATER LINE
 3/4" HOSE CONNECTION FOR GLYCOL MAKE UP SYSTEM
 FURNISH AND INSTALL COMPRESSED AIR SYSTEM CONTROL PANEL

FURNISH AND INSTALL 2" SUPPLY AND RETURN RISERS UP TO FLUID COOLER ON ROOF LEVEL

(E) STORM LINE AND RISERS TO REMAIN

FURNISH AND INSTALL 2" SUPPLY AND RETURN RISERS UP TO FLUID COOLER ON ROOF LEVEL

BOILER ROOM

FIRE PUMP ROOM

- NOTES:**
- SEE STAGING NOTES ON DRAWING G003 FOR THE INSTALLATION OF THE REPLACEMENT COMPRESSED AIR SYSTEM AND THE REMOVAL OF TEMPORARY COMPRESSED AIR SYSTEM.
 - AIR RECEIVER PRESSURE RELIEF VENT LINE THROUGH EXISTING OPENING ON THE WEST WALL. VERIFY EXACT LOCATIONS IN FIELD.
 - FOR VALVES AND FITTINGS REFER TO DRAWING M007 COMPRESSED AIR SYSTEM SCHEMATIC INSTALLATION.
 - TC-1 AND TC-2 SHALL BE INSTALLED/HUNG FROM THE BUILDING STRUCTURAL STEEL. BOTTOM OF THE TRIM COOLER SHALL BE MINIMUM 8'-0" FROM THE FINISHED FLOOR. FURNISH AND INSTALL SUPPLEMENTAL STEEL AS REQUIRED.
 - FURNISH AND INSTALL FLUSH COVER PLATES ON BOTH SIDES OF EXTERIOR WALL COMPLETELY COVERING OPENING WITH WEATHERPROOF AND FIRESTOPPING SEALANT AS REQUIRED.

FIRST FLOOR PART PLAN
 SCALE IN FEET

No.	Date	Revision	Approved

ENGINEERING DEPARTMENT

PATH
 HARRISON CAR
 MAINTENANCE
 FACILITY

MECHANICAL
 Title

COMPRESSED AIR SYSTEM UPGRADE
 FIRST FLOOR PART PLAN STAGE 3

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P LUCIEN P LUCIEN M PACE
 Designed by Drawn by Checked by

Date 11/17/2008

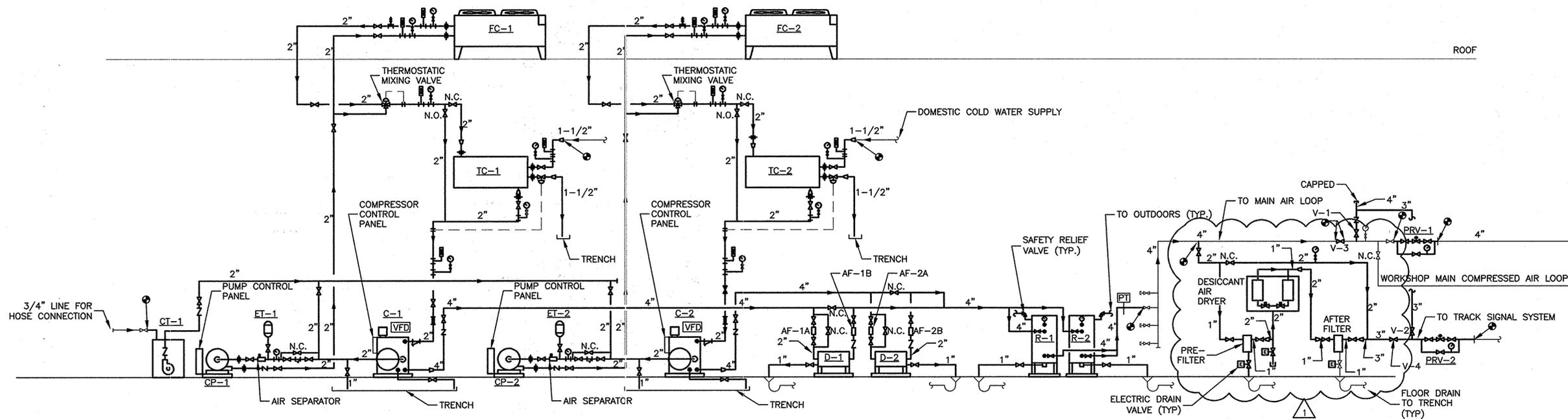
Contract Number PAT-622

Drawing Number M004
 PID# 05902000



PORT AUTHORITY
TRANS-HUDSON CORPORATION

ORIGINAL SIGNED BY
CHIEF MECHANICAL ENGINEER



COMPRESSED AIR SYSTEM SCHEMATIC DIAGRAM - INSTALLATION

SCALE: N.T.S.

01/06/2008	ADDENDUM NO. 2		
No.	Date	Revision	Approved

ENGINEERING DEPARTMENT

PATH
HARRISON CAR
MAINTENANCE
FACILITY

MECHANICAL

Title

COMPRESSED
AIR SYSTEM
UPGRADE
COMPRESSED AIR
SYSTEM SCHEMATIC
INSTALLATION

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P LUCIEN P LUCIEN M PACE
Designed by Drawn by Checked by

Date 11/17/2008

Contract Number PAT-622

Drawing Number M007
PID# 05902000



PORT AUTHORITY
TRANS-HUDSON CORPORATION

ORIGINAL SIGNED BY
CHIEF MECHANICAL ENGINEER

01/06/2008	ADDENDUM NO. 2	
No.	Date	Revision
		Approved

ENGINEERING DEPARTMENT

**PATH
HARRISON CAR
MAINTENANCE
FACILITY**

MECHANICAL
Title

**COMPRESSED
AIR SYSTEM
UPGRADE
SCHEDULES**

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Designed by Drawn by Checked by

Date 11/17/2008

Contract Number PAT-622

Drawing Number M009
PID# 05902000

AIR COMPRESSOR											BASIS OF DESIGN: INGERSOLL RAND									
NUMBER	TYPE	CAPACITY (SCFM) @ 125 PSIG	OPERATING PRESSURE (PSIG)	HEAT OUTPUT (MBH)	MAIN DRIVE MOTOR			FAN MOTOR		TOTAL LUBRICATION CAPACITY (GAL)	FLUID (COOLING) SIDE			SOUND LEVEL (dBA)	HP	FLA	VOLTS/PH/HZ	OPERATING WEIGHT (LBS)	MODEL	
					COMPRESSOR MOTOR HP	MOTOR SPEED MAX/MIN (RPM)	COMPRESSOR DRIVE MOTOR	FAN MOTOR (HP)	MOTOR SPEED (RPM)		EGT (°F)	MAX LGT (°F)	MAX PR. DR (PSIG)							
C-1	ROTARY SCREW	325	125	228	75	2985/884	HYBRID PERMANENT MAGNET	.5	1750	8	90	135	15	75	87.5	99.6	460/3/60	3,500	IRN75HH-WC	
C-2	ROTARY SCREW	325	125	228	75	2985/884	HYBRID PERMANENT MAGNET	.5	1750	8	90	135	15	75	87.5	99.6	460/3/60	3,500	IRN75HH-WC	

FURNISH WITH HYBRID PERMANENT MAGNET MOTOR AND VFD

REFRIGERATED AIR DRYER																	BASIS OF DESIGN: INGERSOLL RAND									
NUMBER	TYPE	RATED FLOW AT 100 PSIG (CFM)	PRESSURE DROP (PSIG)	ENTERING AIR CONDITIONS	LEAVING AIR CONDITIONS	OPERATING KW	RUNNING LOAD AMPS	VOLTS/PH/HZ	REFRIGERANT TYPE	REFRIGERANT CHARGE LBS	CONDENSING TEMPERATURE (°F)	AIR INLET/OUTLET CONN. (IN)	SOUND LEVEL (dBA)	OPERATING WEIGHT (LBS)	MODEL	REMARKS										
D-1	CYCLING AIR COOLED	400	2.90	115°F/99.5% RH	39°F DEW PT.	3.24	6.40	460/3/60	R404A	4	105	2	<80	745	NVC400A											
D-2	CYCLING AIR COOLED	400	2.90	115°F/99.5% RH	39°F DEW PT.	3.24	6.40	460/3/60	R404A	4	105	2	<80	745	NVC400A											

PROVIDE UNIT MOUNTED NON-FUSED DISCONNECT

GLYCOL CHARGING SYSTEM										BASIS OF DESIGN: BELL AND GOSSET									
NUMBER	SERVICE	% PROPYLENE GLYCOL	CAPACITY (GAL)	PUMP MODEL	FLOW (GPM)	RPM	HP	WEIGHT (LBS)	MODEL										
CT-1	PRIMARY LOOP CIRCULATION	40	55	1H1M1D4C3	5	3600	3/4	180	GMU-60										

FURNISH AND INSTALL STAINLESS STEEL PIPING SA-4, STAINLESS STEEL Y STRAINER MODEL ST-316 AND STAINLESS STEEL BALL VALVE MODEL SV-316SS.

ELECTRIC DRAIN VALVE						BASIS OF DESIGN: INGERSOLL RAND									
OPERATING FLUID TEMPERATURE RANGE (°F)	OPERATING AMBIENT TEMPERATURE RANGE (°F)	MAXIMUM AIR PRESSURE (PSIG)	WEIGHT (LBS)	VOLTS/PH/HZ	MODEL										
33-265	4-125	250	1.5	110/1/60	EDV-2000										

DESSICANT AIR DRYER										BASIS OF DESIGN: INGERSOLL RAND									
NUMBER	RATED FLOW (SCFM)	OPERATING WORKING PRESSURE (PSIG)	MAXIMUM WORKING PRESSURE (PSIG)	DEWPOINT TEMPERATURE (°F)	VOLTS/PH/HZ	FLA	OPERATING WEIGHT (LBS)	INLET FILTER	OUTLET FILTER	MODEL									
D-3	120	100	150	-40	110/1/60	5	198	GP123	DP123	HL120									

FLUID COOLER														BASIS OF DESIGN: INGERSOLL RAND									
NUMBER	CAPACITY (MBH)	AIR SIDE			FLUID SIDE					ELECTRIC		WEIGHT (LBS)	MODEL	REMARKS									
		FLOW (CFM)	EAT (°F)	LAI (°F)	PROPYLENE GLYCOL CONC.	GPM (GLYCOL)	GET (°F)	GLT (°F)	GPD (PSI)	INTERNAL VOLUME (GAL)	FLA				VOLTS/PH/HZ								
FC-1	228	25,200	95	115	40%	21	115	90	8.52	10	7.0	460/3/60	850	FEVF12308									
FC-2	228	25,200	95	115	40%	21	115	90	8.52	10	7.0	460/3/60	850	FEVF12308									

- FURNISH WITH UNIT MOUNTED CONTROL PANEL, GLYCOL TEMPERATURE SENSOR PROBE (CYCLE THE FANS) AND NON-FUSED DISCONNECT WITH NEMA 4X RATED ENCLOSURE
- FURNISH WITH 1-1/4" WATSON MCDANIEL 153T TEMPERATURE REGULATING VALVE.

EXPANSION TANK AND AIR SEPARATOR SCHEDULE										
NUMBER	TYPE	VOLUME (GALLONS)		FACTORY PRE-CHARGED PRESSURE (PSIG)	TANK SIZE	MAXIMUM WEIGHT LBS.	SHIPPING WT. LBS.	AIR SEPARATOR	MANUFACTURER & MODEL	REMARKS
		TANK	ACCEPTANCE							
ET-1, AS-1	DIAPHRAGM	4.4	2.5	12	11" x 15-1/2" LONG	50	9	TACO MODEL AC-2"	FLEXCON, MODEL HFT-30 OR APPROVED EQUAL	
ET-2, AS-2	DIAPHRAGM	4.4	2.5	12	11" x 15-1/2" LONG	50	9	TACO MODEL AC-2"	FLEXCON, MODEL HFT-30 OR APPROVED EQUAL	

AIR RECEIVERS						BASIS OF DESIGN: INGERSOLL RAND									
NUMBER	CAPACITY		PRESSURE RATING PSIG	MODEL	RATING										
	GAL.	CU.FT.													
R-1	660	87	250	CCN380028	ASME CODE SECTION VIII, DIVISION 1										
R-2	660	87	250	CCN380028	ASME CODE SECTION VIII, DIVISION 1										

RECEIVER SHALL BE FACTORY PAINTED.

TRIM COOLER										BASIS OF DESIGN: IIT INDUSTRIES									
NUMBER	SHELL (HOT) SIDE				TUBE (COLD) SIDE				PRESSURE RATING SHELL/TUBE (PSI)	MODEL									
	FLOW RATE (GPM)	INLET TEMP (°F)	OUTLET TEMP (°F)	PRESSURE DROP (PSI)	FLOW RATE (GPM)	INLET TEMP (°F)	OUTLET TEMP (°F)	PRESSURE DROP (PSI)											
TC-1	21	99	90	2.75	10	70	85	2	300/150	SX2000-04024									
TC-2	21	99	90	2.75	10	70	85	2	300/150	SX2000-04024									

FURNISH AND INSTALL WITH 1-1/4" WATSON MCDANIEL 153T TEMPERATURE REGULATING VALVE.

COMPRESSED AIR FILTER												BASIS OF DESIGN: INGERSOLL RAND									
PRE-FILTER						AFTER-FILTER															
NUMBER	CAPACITY CFM @ 100 PSI	PARTICLE SIZE REMOVAL (MICRON)	BSPP/NPT PORT SIZE (IN)	WEIGHT (LBS)	MODEL	NUMBER	CAPACITY CFM @ 100 PSI	PARTICLE SIZE REMOVAL (MICRON)	BSPP/NPT PORT SIZE (IN)	WEIGHT (LBS)	MODEL										
AF-1A	481	1	1-1/2"	15	GP-481	AF-1B	481	0.01	1-1/2"	15	HE-481										
AF-2A	481	1	1-1/2"	15	GP-481	AF-2B	481	0.01	1-1/2"	15	HE-481										

CIRCULATING PUMP										BASIS OF DESIGN: INGERSOLL RAND									
NUMBER	SERVICE	TYPE	FLOW (GPM)	TDH (FT)	RPM	HP	VOLTS/PH/HZ	WEIGHT (LBS)	MODEL										
CP-1	COOLER CIRCULATION	BASE MOUNTED END SUCTION	21	100	3500	3	460/3/60	425	SMP-3000										
CP-2	COOLER CIRCULATION	BASE MOUNTED END SUCTION	21	100	3500	3	460/3/60	425	SMP-3000										

FURNISH UNIT MOUNTED PANEL WITH H.O.A. SWITCH, TRIPLE DUTY VALVE AND NON-FUSED DISCONNECT

TEMPORARY EQUIPMENT												
AIR COMPRESSOR (TEMPORARY)						DESSICANT AIR DRYER (TEMPORARY)						
NUMBER	TYPE	CAPACITY (CFM)	OPERATING PRESSURE (PSIG)	MAIN DRIVE MOTOR		TOTAL LUBRICATION CAPACITY (GAL)	SOUND LEVEL (dBA)	HP	FLA	VOLTS/PH/HZ	WEIGHT (LBS)	MODEL
				COMPRESSOR MOTOR (HP)	MOTOR SPEED (RPM)							
T-C-1	ROTARY SCREW	325	125	75	1776	9	75	87.5	99.6	460/3/60	2,800	SSR-EP75

FURNISH AND INSTALL PANEL FILTERS, PRE-FILTER (1 MICRON), AFTER FILTER (0.01 MICRON), PURGE FITTINGS, ELECTRIC DRAIN VALVES, CONTROLLER AND SOFT STARTER OR DELTA Y STARTER
FURNISH AND INSTALL REMOTELY MOUNTED PRESSURE TRANSDUCER.