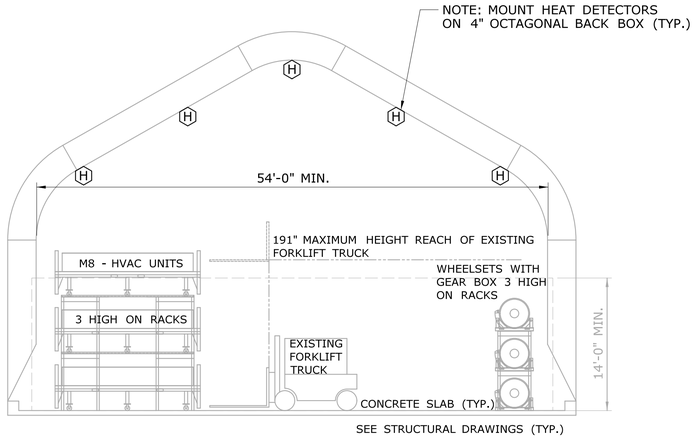
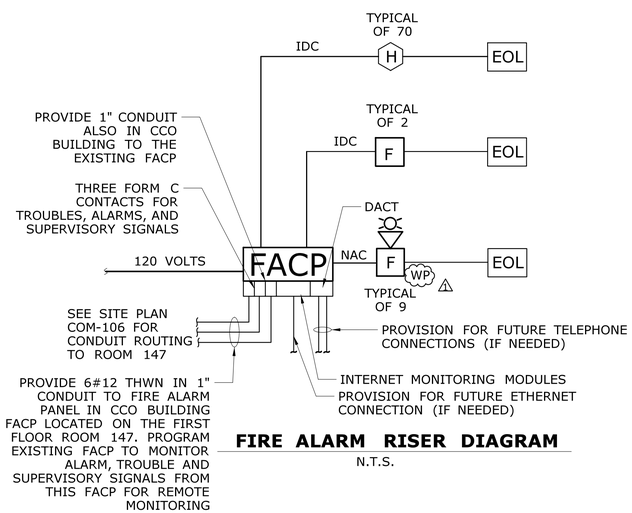


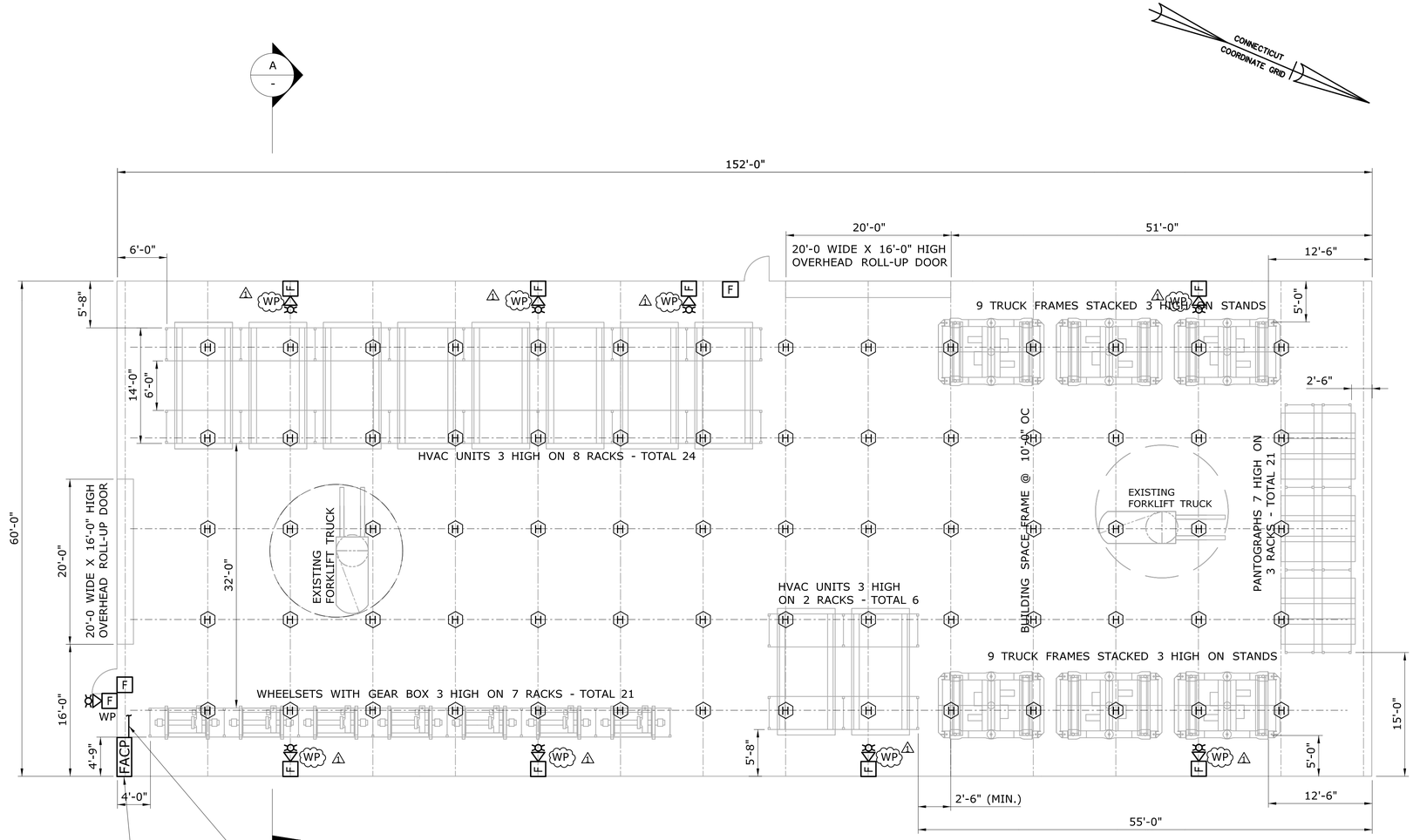
SECTION A/-

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



FIRE ALARM RISER DIAGRAM

N.T.S.



PLAN

M8 PARTS STORAGE ALARM SYSTEM

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

1" CONDUIT TO BUILDING CCO FACP IN ROOM 147. SEE SITE PLAN FOR UNDERGROUND CONDUIT

PROVIDE 20AMP, 120 VOLT CIRCUIT TO ELECTRICAL PANEL. PROVIDE 2#12, 1#12 GROUND IN 3/4" GRS CONDUIT AWD CONNECT.

LEGEND

F	MANUAL FIRE ALARM PULL STATION - MOUNT 3'-6" AFF
F WP	FIRE ALARM HORN WITH STROBE LIGHT - MOUNT 6'-8" AFF WP = WEATHERPROOF
H	HEAT DETECTOR - CEILING MOUNT
FACP	FIRE ALARM CONTROL PANEL WITH ENVIRONMENTAL CONTROL ENCLOSURE - MOUNT 5'-0" TO TOP
EOL	END OF LINE RESISTOR
IDC	INITIATING DEVICE CIRCUIT
NAC	NOTIFICATION APPLIANCE CIRCUIT

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO 2018 CONNECTICUT STATE FIRE PREVENTION CODE, AND NFPA 70, 72 AND 101.
2. PROVIDE 3/4" GRS CONDUIT AND 2 #16 AWG CONDUCTORS TO ALL DEVICES AND CONNECT. ALL WIRING SHALL BE CLASS B.
3. SPACING BASED ON 35' CEILING HEIGHT. HEAT DETECTOR COVERAGE REDUCED TO 34% OF RATING.

STV Incorporated
185 Plains Road
Suite 208E
Milford, CT 06461

Jim Sherwonit
2019.03.13
13:46:06-04'00'

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	03/08/2019	ADD WP TO FIRE ALARMS, EDIT LEGEND AND GENERAL NOTE	05.050.A2

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 3/13/2019

DESIGNER/DRAFTER: JH

CHECKED BY: SP

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\MDS-007_A2_CNS_SHEET_0300-0138.dgn

SIGNATURE/BLOCK:

STV Incorporated
185 Plains Road
Suite 208E
Milford, CT 06461

PROJECT TITLE:

NEW HAVEN RAIL YARD FACILITIES IMPROVEMENTS WEST END YARD

TOWN: **NEW HAVEN**

DRAWING TITLE: **M8 PARTS STORAGE FIRE ALARM SYSTEM**

PROJECT NO. **0300-0138**

DRAWING NO. **MDS-007**

SHEET NO. **05.050.A2**

Branch Panel: MDP

Location:	M8 Parts Storage Building	**Volts:**	208 /120	**A.I.C. Rating:**	
Supply From:	CCO Shop	**Phases:**	3	**Mains Type:**	MCB
Mounting:	Surface	**Wires:**	4	**Mains Rating:**	100 A
Enclosure:	NEMA 3R			**MCB Rating:**	60 A

CKT.	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT.
1	Receptacle	20A	1	180	180					1	20A	Receptacle	2
3	Receptacle	20A	1			180	180			1	20A	Receptacle	4
5	FACP	20A	1					360	1272	3	20A	Overhead Door #1	6
7	Overhead Door #2	20A	3	1272	1272								8
9						1272	1272						10
11								1272	1100	1	20A	Interior Lighting Circuit 1	12
13	Interior Lighting Circuit 2	20A	1	962.5	600					1	20A	FACP Enclosure	14
15	Exit Sign Circuit	20A	1			30	30			1	20A	Exterior Lighting Circuit	16
17	Spare	20A	1							1	20A	Spare	18
19	Spare	20A	1							1	20A	Spare	20
21	Spare	20A	1							1	20A	Spare	22
23	Space	-	-							-	-	Space	24
25	Space	-	-							-	-	Space	26
27	Space	-	-							-	-	Space	28
29	Space	-	-							-	-	Space	30
		Total Load:		4466.5 VA		2964 VA		4004 VA					
		Total Amps:		12.39777 A		8.227243 A		11.11399 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacles	VA	%	0 VA		
Power	VA	%	0 VA	Total Connected Load	11434.5 VA
Motor	VA	%	0 VA	Total Estimated Demand	11434.5 VA
Lighting	VA	%	0 VA	Total Connected Current	31.74 A
HVAC	VA	%	0 VA	Total Estimated Demand Current	31.74 A
Other	VA	%	0 VA		

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER *	CATALOG NUMBER *	DESCRIPTION	LAMP TYPE	VOLTAGE	LAMP WATTS	MOUNTING	NOTES
L1	COLUMBIA	LXEW4-40MH-CAW-EU-GLR-F3C8W-LHVQM5	LED HIGBAY STYLE FIXTURE	LED	120-277	137	PENDANT	
L1-E	COLUMBIA	LXEW4-40MH-CAW-EU-GLR-F3C8W--ELL14-LHVQM5	LED HIGBAY STYLE FIXTURE	LED	120-277	137	PENDANT	
L2	HUBBELL	TRP1-12L-3K7-3-U-BL-PCU-F-EH	LED OUTDOOR WALLMOUNT FIXTURE	LED	120-277	15	WALL	
E1	HUBBELL	SEWL-S-R-W-E-HTR	EXTERIOR RATED EXIT SIGN	LED	120-277	2	WALL	

* FIXTURE SHALL BE AS LISTED OR APPROVED EQUAL.

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	03/08/2019	ADD COMMENT	05.050-2.A2

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Plotted Date: 3/13/2019

DESIGNER/DRAFTER: AR/MN
CHECKED BY: SO
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\MDS-007-2_A2_CNS_SHEET_0300-0138.dgn

SIGNATURE/BLOCK:

STV Incorporated
185 Plains Road
Suite 208E
Milford, CT 06461

PROJECT TITLE:
NEW HAVEN RAIL YARD FACILITIES IMPROVEMENT WEST END YARD

TOWN: NEW HAVEN

DRAWING TITLE: M8 PARTS STORAGE ELECTRICAL/LIGHTING SCHEDULES

PROJECT NO. 0300-0138
DRAWING NO. MDS-007-2
SHEET NO. 05.050-2.A2