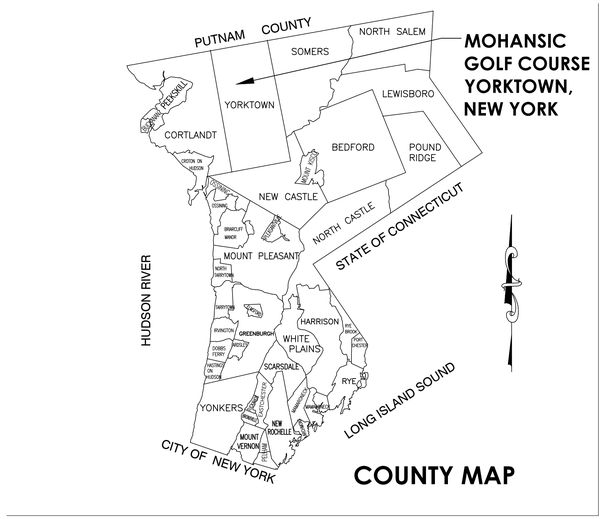


COUNTY MAP

WESTCHESTER COUNTY

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT No. 23-514
NEW MAINTENANCE and STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK



LOCATION PLAN

SHEET NO.	SHEET TITLE	DPW FILE NO.
T - 100	TITLE, INDEX TO THE DRAWINGS	10-02- T-93- 0
G - 101	ZONING, BUILDING CODE & ENERGY DATA	10-02-G-94- 0
B - 100	TEST BORINGS	10-02-G-95- 0
L - 100	EROSION CONTROL	10-02-G-96- 0
L - 101	SITE PLAN & EX'G. UTILITIES	10-02-G-97- 0
L - 102	EX'G. SITE & BLDG'S. - STAGING PLAN	10-02-G-98- 0
L - 103	NEW MAINTENANCE BLDG. - SITE PLAN	10-02-G-99- 0
D - 101	EX'G. MAINTENANCE FACILITY - DEMOLITION	10-02-A-100-0
A - 101	MAINTENANCE & STORAGE BLDG'S. - PLANS	10-02-A-101-0
A - 102	MAINTENANCE & STORAGE BLDG'S. - ROOFS	10-02-A-102-0
A - 103	MAINTENANCE & STORAGE BLDG'S. - CEILINGS	10-02-A-103-0
A - 201	MAINTENANCE BLDG. - EXTERIOR ELEVATIONS	10-02-A-104-0
A - 202	MAINTENANCE BLDG. - INTERIOR ELEVATIONS	10-02-A-105-0
A - 203	STORAGE BLDG'S. - EXTERIOR & INTERIOR ELEVATIONS	10-02-A-106-0
A - 204	MATERIALS STORAGE BINS, WASH & FUEL STATION	10-02-A-107-0
A - 301	MAINTENANCE BLDG. - WALL SECTIONS - DETAILS	10-02-A-108-0
A - 302	MAINTENANCE BLDG. - PLAN SECTIONS - DETAILS	10-02-A-109-0
A - 303	SECTIONS & DETAILS	10-02-A-110-0
A - 401	MAINT. BLDG. - BATHROOM & KITCHEN - PLAN & ELEV.	10-02-A-111-0
A - 501	DETAILS	10-02-A-112-0
A - 601	DOOR & FINISH SCHEDULE & DETAILS	10-02-A-113-0
A - 701	RED & GRAY BARN DEMOLITION - ELEVATIONS	10-02-A-114-0
A - 702	RED BARN DEMOLITION - PLANS & SECTIONS	10-02-A-115-0
A - 703	GRAY BARN DEMOLITION - PLANS & SECTIONS	10-02-A-116-0
EQ-101	WASHING, MIXING & RECYCLE EQUIPMENT	10-02-F-117-0
S - 001	STRUCTURAL NOTES	10-02-F-118-0
F - 101	FOUNDATION PLANS - MAINTENANCE BLDG.	10-02-F-119-0
F - 102	FOUNDATION PLANS - MISCELLANEOUS	10-02-F-120-0
F - 501	FOUNDATION DETAILS	10-02-F-121-0
S - 101	STRUCTURAL FRAMING PLANS - 1	10-02-S-122-0
S - 102	STRUCTURAL FRAMING PLANS - 2	10-02-S-123-0
S - 501	STRUCTURAL DETAILS	10-02-S-124-0

SHEET NO.	SHEET TITLE	DPW FILE NO:
C - 101	SITE PLAN - CIVIL	10-02-C-125-0
C - 102	CONSTRUCTION DETAILS	10-02-C-126-0
C - 103	CONSTRUCTION DETAILS	10-02-C-127-0
C - 104	O W T S DESIGN	10-02-C-128-0
SP- 001	SPRINKLER SYMBOLS, ABBREVIATIONS & NOTES	10-02-SP-129-0
SP- 201	MAINTENANCE FACILITY - SPRINKLER NEW WORK PLAN	10-02-SP-130-0
SP- 701	SPRINKLER DETAILS	10-02-SP-131-0
P - 001	PLUMBING SYMBOLS, ABBREVIATIONS & NOTES	10-02-P-132-0
P - 101	MAINTENANCE FACILITY - PLUMBING DEMOLITION PLAN	10-02-P-133-0
P - 201	MAINTENANCE FACILITY - PLUMBING NEW WORK PLAN	10-02-P-134-0
P - 301	PLUMBING BACKFLOW PREVENTER PLAN	10-02-P-135-0
P - 601	PLUMBING RISER DIAGRAM	10-02-P-136-0
P - 701	PLUMBING DETAILS	10-02-P-137-0
M - 001	MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES	10-02-M-138-0
M - 101	MAINTENANCE FACILITY - MECH. DEMOLITION PLAN	10-02-M-139-0
M - 201	MAINTENANCE FACILITY - MECH. NEW WORK PLAN	10-02-M-140-0
M - 601	MECHANICAL SCHEDULES	10-02-M-141-0
M - 701	MECHANICAL DETAILS 1 OF 2	10-02-M-142-0
M - 702	MECHANICAL DETAILS 2 OF 2	10-02-M-143-0

SHEET NO.	SHEET TITLE	DPW FILE NO.
E - 001	ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES	10-02-E-144-0
E - 010	ELECTRICAL SITE - DEMOLITION PLAN	10-02-E-145-0
E - 020	ELECTRICAL SITE - NEW WORK PLAN	10-02-E-146-0
E - 101	MAINTENANCE FACILITY - ELEC. DEMOLITION PLAN	10-02-E-147-0
E - 201	MAINTENANCE FACILITY - ELEC. LIGHTING NEW WORK PLAN	10-02-E-148-0
E - 301	MAINTENANCE FACILITY - ELEC. POWER NEW WORK PLAN	10-02-E-149-0
E - 501	ELECTRICAL ONE LINE DIAGRAM	10-02-E-150-0
E - 601	ELECTRICAL LIGHTING FIXTURE SCHEDULE	10-02-E-151-0
E - 602	ELECTRICAL PANEL SCHEDULES	10-02-E-152-0
E - 603	ELECTRICAL PANEL SCHEDULES	10-02-E-153-0
E - 701	ELECTRICAL DETAILS	10-02-E-154-0
E - 702	ELECTRICAL DETAILS	10-02-E-155-0
FA- 001	FIRE ALARM SYMBOLS, ABBREVIATIONS & RISERS	10-02-FA-156-0
FA- 401	FIRE ALARM NEW WORK PLAN	10-02-FA-157-0
SE- 100	SECURITY - LEGEND, NOTES & SCHEDULE	10-02-SE-158-0
SE- 101	SECURITY - CAMERA, CONDUIT & EQUIPMENT PLAN	10-02-SE-159-0
SE- 300	SECURITY - CCTV RACK ELEVATIONS	10-02-SE-160-0
SE- 707	SECURITY - CAMERA MOUNTS & DETAILS	10-02-SE-161-0

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OLA CONSULTING ENGINEERS
100 Summit Lake Drive
Suite 102
Valhalla, NY 10595
914.747.2800
olace.com

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
200 MAMARONECK AVE.
Suite 506
WHITE PLAINS, NY 10601
PHONE 914-428-0909
INFO@HILLMANMILEY.COM

RALPH G. MASTROMONACO P.E., P.C.
Consulting Engineers
13 Dove Court, Croton-on-Hudson,
New York 10520
(914) 271-4762 (914) 271-2820 (fax)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

Adam Kaplinski - 6-526
RECOMMENDED FOR CONSTRUCTION DATE
ADAM KAPLINSKI, R.A.
DIRECTOR OF DESIGN COORDINATION
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION

6.8.2026
RECOMMENDED FOR CONSTRUCTION DATE
GAYLE KATZMAN, P.E.
FIRST DEPUTY COMMISSIONER
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION

Kathleen O'Connor 6/3/26
APPROVED FOR CONSTRUCTION DATE
KATHLEEN M. O'CONNOR
COMMISSIONER
DEPARTMENT OF PARKS, RECREATION & CONSERVATION

6/8/26
APPROVED FOR CONSTRUCTION
HUGH J. GREECHAN JR., P.E.
COMMISSIONER
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

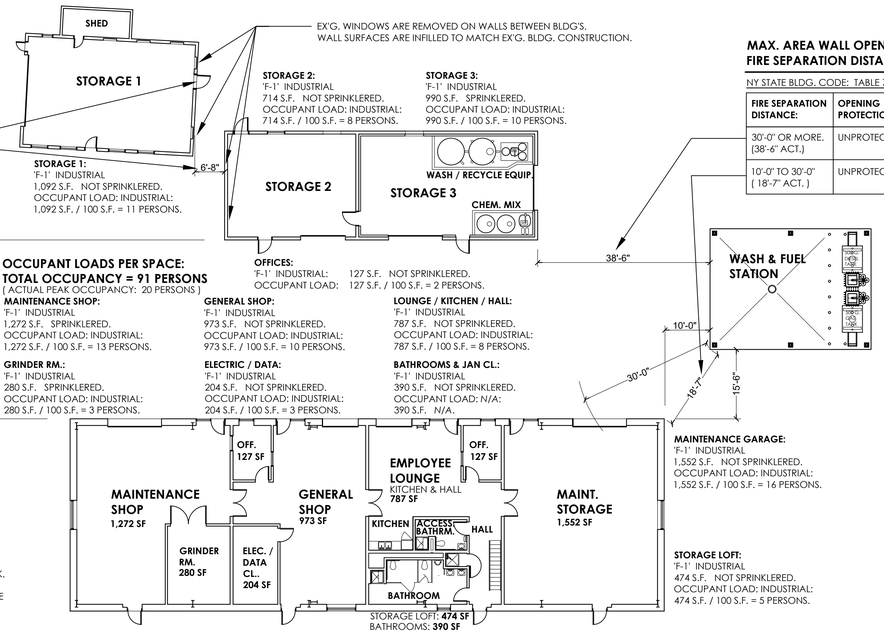
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
TITLE, INDEX TO THE DRAWINGS

CONTRACT NUMBER 23-514
SHEET NUMBER T-100
SHEET NO. 1 OF 69
SCALE:
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-T-93
REV. NO. 0

MAX. AREA WALL OPENINGS: FIRE SEPARATION DISTANCES:

NY STATE BLDG. CODE: TABLE 705.8

FIRE SEPARATION DISTANCE:	OPENING PROTECTION:	ALLOWABLE AREA:
5'-0" TO 10'-0" (6'-8" ACT.)	UNPROTECTED.	10 %. (DOOR IS < 10 % OF WALL.)
30'-0" OR MORE. (40'-0" ACT.)	UNPROTECTED.	NO LIMIT



MAX. AREA WALL OPENINGS: FIRE SEPARATION DISTANCES:

NY STATE BLDG. CODE: TABLE 705.8

FIRE SEPARATION DISTANCE:	OPENING PROTECTION:	ALLOWABLE AREA:
30'-0" OR MORE. (38'-6" ACT.)	UNPROTECTED.	NO LIMIT
10'-0" TO 30'-0" (18'-7" ACT.)	UNPROTECTED.	10 %. (DOOR IS < 10 % OF WALL.)

OCCUPANT LOADS PER SPACE:
TOTAL OCCUPANCY = 91 PERSONS
(ACTUAL PEAK OCCUPANCY: 20 PERSONS)

GENERAL NOTES:

1. TREAT ALL MATERIALS AND BUILDING COMPONENTS, REGARDLESS OF APPARENT CONDITION, WITH EXTREME CARE.
2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS, DIMENSIONS AND CLEARANCES IN THE FIELD AND NOTIFY THE ARCHITECT OF ANY APPARENT CONFLICTING CONDITIONS OR DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
3. DIMENSIONS ON THE DRAWINGS ARE FOR DESIGN ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD CHECKING ALL MEASUREMENTS BEFORE COMMENCEMENT OF WORK. CONTRACTOR IS NOT TO SCALE DRAWINGS FOR DIMENSIONS.
4. INFORMATION IN THE CONSTRUCTION DOCUMENTS WHICH MAY APPEAR CONFLICTING, UNCLEAR OR SUBJECT TO INTERPRETATION MUST BE REFERRED TO THE ARCHITECT FOR INTERPRETATION PRIOR TO THE COMMENCEMENT OF WORK.
5. NO WORK IS TO BE PERFORMED BEYOND THE PROJECT LIMIT LINES EXCEPT WHERE INDICATED OTHERWISE. NO WORK IS TO BE PERFORMED BEYOND THE PROPERTY LINES.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFE MAINTENANCE OF THE SITE AND BUILDING.
7. KEEP ALL BUILDING EXITS READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES. EXIT DOORS ARE TO BE READILY OPERABLE AT ALL TIMES FROM THE EGRESS SIDE.
8. PROVIDE AN APPROPRIATE SEPARATION AT THE JUNCTURE OF DISSIMILAR MATERIALS.

2 BLDG. AREAS & CLASSIFICATION

OCCUPANT LOADS PER SPACE AREA:
TOTAL FACILITY OCCUPANCY: 20 PERSONS AT PEAK USE.

2020 BUILDING ENERGY CODE **CLIMATE ZONE: 4A**

BUILDING ENVELOPE THERMAL VALUES:

CATEGORY:	REQ'MT.	CODE REF.:	PROVIDED:	REMARKS:
NEW MAINT. BLDG.:	TOTAL SF: 5,706 SF		COMMERCIAL BLDG. CODE	
FOUNDATION:	R-10	C 402.1.3	R-10	2" RIGID INSUL.
WALLS:	R-13 + 13 C.I.	C 402.1.3	R-26	3" INSUL. METAL PANELS.
ROOF:	R-19 + R 11	C 402.1.3	R-36	4" INSUL. METAL PANELS.
DOORS:	U: 0.60	C 402.1.4	U: 0.34	POLYURETHANE FOAM. NO GLAZING.
WINDOWS:	U: 1.20	C 402.4	U: 0.35	DBL. GLAZED, THERMAL BREAK, LOW-E, ARGON.
OVERHEAD DOORS:	U: 0.90	C 402.1.4	U: 0.82	1" INSULATED COILING SLAT, < 14 % GLAZING.
EX'G. STORAGE BLDG.:	TOTAL SF: 2,976 SF		EX'G. BUILDING CODE	
FOUNDATION:	*EX'G.*	CHAPTER 5	*EX'G.*	*NO CHANGE.*
WALLS:	R-13 & R-19	CHAPTER 5	R-13 & R-19	EX'G. 3 1/2" STUD WALLS & WALLS FURRED 5 1/2".
ROOF:	R-30	CHAPTER 5	R-25	INSUL. LIMITED BY EX'G. 7 1/2" RAFTERS.
DOORS:	U: 0.77	CHAPTER 5	U: 0.60	< 45 % GLAZING.
WINDOWS:	U: 0.65	CHAPTER 5	U: 0.65	THERMAL BREAK.
OVERHEAD DOORS:	U: 0.90	CHAPTER 5	U: 0.60	< 14 % GLAZING.

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND SPEED (MPH)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM: WEATHERING	FROST LINE DEPTH	TERMITE	CLIMATE ZONE	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARD
30 PSF	SPECIAL WIND REGION 115	C	SEVERE	42"	M - H	4	YES	NO

TABLE C 402.1.2 & C 402.4 -- INSULATION AND FENESTRATION REQUIREMENTS

CLIMATE ZONE	WINDOW U-FACTOR	SKYLIGHT U-FACTOR	CEILING R-VALUE	GLAZED WINDOWS SHGC	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
4A	U 1.20	NA NO SKYLIGHTS	R 36 ROOF	0.36 NO OVER-HANG	NA NO MASS WALLS	R 10	NA NO BASEMENT	R 10 2'-0" DEPTH	NA NO CRAWLSP.

4 ENERGY CODE DATA

CODE DATA CLASSIFICATION APPLIED: **'INDUSTRIAL'**:

CATEGORY:	REQUIREMENT:	CODE REF.:	PROVIDED:	REMARKS:
NEW MAINT. BLDG.:	TOTAL SF: 6,186 SF:	OCCUPANCY: **62** PERSONS.		
CONSTR. CLASS.:	2 B	602.2	2 B	
OCCUPANCY / USE:	'F-1'	306.2	306.2	
ALLOWABLE AREA:	15,000 SF	506.2	6,186 SF	
ALLOWABLE HEIGHT:	55' / 2 STORIES	504.3 / 504.4	1 ST. / 21'-6"	
OCCUPANT LOAD:	100 GSF / P = 57 P	1004.5	62 PERSONS	
NUMBER OF EXITS:	OCC. > 49 P = 2 EXITS	1006.2.1	8 EXITS	2 EXITS EACH BAY
DISTANCE TO EXIT:	200' W/O SPRINK.	1006.2.1	70' MAX TRAVEL	LOFT TO DR. # 6
EXIT WIDTH:	0.2" / P		8 EXITS X 36"	
FIRE SEPARATION:				
INT. FINISHES:	ALL FINISHES ARE NON-COMBUSTABLE			
EX'G. STORAGE BLDG.:	TOTAL SF: 2,796 SF	OCCUPANCY: **27** PERSONS.		
CONSTR. CLASS.:	5B	602.5	5 B	
OCCUPANCY / USE:	'F-1'	306.2	306.2	
ALLOWABLE AREA:	9,000 SF / 13,500 SF	506.2	2,796 SF	
ALLOWABLE HEIGHT:	1 ST. / 40'	504.3 / 504.4	1 ST. / 17'-10"	
OCCUPANT LOAD:	100 GSF / P = 27 P	1004.5	27 PERSONS	
NUMBER OF EXITS:	OCC. >49 P = 2 EXITS	1006.2.1	5 EXITS	
DISTANCE TO EXIT:	75' W/O SPRINK.	1006.2.1	55' MAX TRAVEL	
EXIT WIDTH:	0.2" / P x 27 P = 6"		5 EXITS X 36" = 180"	
FIRE SEPARATION:				
INT. FINISHES:	ALL FINISHES ARE NON-COMBUSTABLE			

BUILDING OCCUPANCY OCCUPANCY: **91** PERSONS. CLASSIFICATION APPLIED: **'INDUSTRIAL'**:

BLDG. SPACE PER BAY:	OCCUPANCY CLASS:	CODE REF.:	OCCUP. REF.:	S.F. PER BAY:	S.F. PER PERS.:	# PERS. / SPACE:
NEW MAINT. BLDG.:	6,186 S.F. GROSS AREA /100 G.S.F. = 62 P.					INDIV. SPACE OCC.: 62 PERS.
MAINT. SHOP	'F-1'	306.2	1004.5	1,272 SF	100	13
GRINDER RM.	'F-1'	306.2	1004.5	280 SF	100	3
GENERAL SHOP	'F-1'	306.2	1004.5	973 SF	100	10
OFFICE.	'F-1'	306.2	1004.5	127 SF	100	2
ELEC. DATA CL.	'F-1'	306.2	1004.5	204 SF	100	3
LOUNGE, KITCH, HALL	'F-1'	306.2	1004.5	787 SF	100	8
OFFICE	'F-1'	306.2	1004.5	127 SF	100	2
BATHROOMS	'F-1'	306.2	1004.5	390 SF	*N/A*	---
MAINT. STORAGE	'F-1'	306.2	1004.5	1,552 SF	100	16
STORAGE LOFT	'F-1'	306.2	1004.5	474 SF	100	5
EXISTING BLDG'S.	2,796 S.F. GROSS AREA /100 G.S.F. = 28 P.					INDIV. SPACE OCC.: 29 PERS.
STORAGE 1	'F-1'	306.2	1004.5	1,092 SF	100	11
STORAGE 2	'F-1'	306.2	1004.5	714 SF	100	8
STORAGE 3	'F-1'	306.2	1004.5	990 SF	100	10
TOTAL SF:	**8,982 S.F.** GROSS TOTAL BLDG'S. = **90 P.**					TOT. INDIV. SP. OCC.: **91** PERS.

3 BLDG. TYPE & OCCUPANCY CODES

'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.

PROJECT INFORMATION

CLIENT:	PARK'S DEPT.: WESTCHESTER COUNTY DEPT. OF PUBLIC WORKS & TRANSPORTATION
NAME & ADDRESS:	MOHANSIC GOLF COURSE, 1500 BALDWIN RD. YORKTOWN, NEW YORK.
TAX MAP: S / B / L	SECTION: 36.19 BLOCK: 1 Lot: 1
TYPE OF WORK:	NEW MAINTENANCE & STORAGE BUILDING COMPLEX.
DESCRIPTION:	CONSTRUCT A NEW MAINTENANCE BUILDING WITH MAINTENANCE SHOPS, GARAGES, EMPLOYEE LOUNGE, PANTRY, BATHROOMS, LOCKERS, VEHICLE STORAGE & PARTS STORAGE MEZZANINE. CONSTRUCT NEW SITE MATERIALS STORAGE BINS. CONSTRUCT A WASH, RECYCLE & FUEL STATION. PERFORM MINOR ALTERATIONS TO THE EX'G. SHOP & GARAGE BUILDING TO SERVE VEHICLE STORAGE & A CONDITIONED SPACE FOR WASH, RECYCLE & CHEMICAL MIX EQUIPMENT. PERFORM COMPLETE DEMOLITION OF THE 2 EX'G. TIMBER BARNS. RE-GRADE THE SITE FOR ENLARGED DRIVEWAY & PARKING AREAS. RE-GRADE SITE AT 2 BARNS REMOVED.

CONSTRUCTION CODES

BUILDING:	2020 NEW YORK STATE BUILDING CODE *
PLUMBING:	2020 NEW YORK STATE PLUMBING CODE *
MECHANICAL:	2020 NEW YORK STATE MECHANICAL CODE *
ELECTRICAL:	2020 NEW YORK STATE ELECTRICAL CODE *
FIRE PROTECTION:	2020 NEW YORK STATE FIRE CODE *
ENERGY:	2020 NEW YORK STATE ENERGY CODE *
EXISTING BUILDING:	2020 NEW YORK STATE EXISTING BUILDING CODE *
FUEL GAS:	2020 NEW YORK STATE FUEL GAS CODE *
PROPERTY:	2020 NEW YORK STATE PROPERTY MAINTENANCE CODE *
ACCESSIBILITY:	ANSI 117.1 - 2009
* ALL CODES AS ADOPTED BY NEW YORK STATE WITH APPLICABLE STATE & LOCAL AMENDMENTS.	

ZONING: TOWN OF YORKTOWN:

SECTION: 36.19 BLOCK: 1 LOT: 1			
ZONING DISTRICT: R1 - 160 (WESTCHESTER COUNTY).			
ZONING ITEM:	**REQUIRED:**	**EXISTING:**	**PROPOSED:**
LOT AREA:	NA		
LOT FRONTAGE:	NA		
FRONT & REAR YARDS:	NA		
SIDE YARDS:	NA		
HEIGHT:	NA		
BUILDING AREA:	NA		
SITE COVERAGE:	NA		
F.A.R. (FLOOR AREA RATIO):	NA		

FIRE PROTECTION SYSTEMS

CATEGORY:	SPACE:	CODE REF.:	REQUIRED:	PROVIDED:
SPRINKLER SYSTEM	MAINT. SHOP: 'F-1'	903.2.4	NO	YES
FIRE AREAS: < 12,000 S.F. < 24,000 S.F. INCL. MEZZANINES. < 3 STORIES ABOVE GRADE.	GEN'L SHOP: 'F-1'	903.2.4	NO	NO
	LOUNGE: 'F-1'	903.2.4	NO	NO
	STORAGE: 'F-1'	903.2.4	NO	NO
	STORAGE 1: 'F-1'	903.2.4	NO	NO
	STORAGE 2: 'F-1'	903.2.4	NO	NO
	STORAGE 3: 'F-1'	903.2.4	NO	YES
STAND PIPE	GENERAL BLDG'S.	903.2.4	NO	NO
FIRE ALARM	GENERAL BLDG'S.	903.2.4	YES	YES
PORTABLE FIRE EXT.	GENERAL BLDG'S.	903.2.4	YES	YES

PLUMBING FIXTURES

BLDG. OCCUPANCY: **91** PERSONS. CLASSIFICATION APPLIED: **'INDUSTRIAL'**:

FIXTURE	REQUIREMENT	CODE REF.:	PROVIDED	
WATER CL./ MALE	1 / 100 P. = 1 REQ'D.	403.1.1 & 2902.1	2	
WATER CL./ FEMALE	1 / 100 P. = 1 REQ'D.	403.1.1 & 2902.1	1	
URINAL	< 50 % OF W.C.	419.2	1	
LAVATORY / MALE	1 / 100 P. = 1 REQ'D.	403.1.1 & 2902.1	2	
LAVATORY / FEMALE	1 / 100 P. = 1 REQ'D.	403.1.1 & 2902.1	1	
SHOWERS	NOT REQ'D.	403.1.1 & 2902.1	1 M / 1 F	
DRINKING FOUNT.	1 / 400 P. = 1 REQ'D.	403.1.1 & 2902.1	1	1 'DOUBLE' FOUNTAIN
SERVICE SINK	1 REQ'D.	403.1.1 & 2902.1	4	1 SINK / BLDG. BAY

1 ZONING, FIRE & PLUMBING CODES

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER G-101
SHEET NO. 2 OF 69
SCALE: 1/16" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-G-94 | REV. NO. 0

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ZONING, BLDG. CODE & ENERGY DATA

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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SOILTESTING, INC.
90 DONOVAN RD.
OXFORD, CT 06478
CT (203) 262-9328
NY (914) 946-4850

CLIENT: Busing Associates
PROJECT NO. G193-0495-16
PROJECT NAME Mohansic Golf Club
LOCATION 1500 Baldwin Road, Yorktown, NY
FOREMAN - DRILLER TP/dm
INSPECTOR
GROUND WATER OBSERVATIONS AT none FT AFTER 0 HOURS; AT FT AFTER HOURS

SHEET 1 OF 1 — HOLE NO. B-3
BORING LOCATIONS per Plan

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	4 ¼"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

OFFSET
DATE START 9/8/16
DATE FINISH 9/8/16
SURFACE ELEV.
GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 - 6 - 12 - 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
											Drk brn SILT, sm FM sand, F gravel, lit roots
											Omge Brn SILT, sm FM sand, lit F gravel
5										5'0"	
		1	ss	24"	18"	7'0"	14 18		dry		Omge Brn highly to partially weathered BEDROCK
							21 18		dense		
		2	ss	24"	18"	9'0"	19 15		dry		SAME
							20 33		dense		
10											
		3	ss	9"	8"	10'9"	36 50/3"		v dense		highly to partially weathered BEDROCK
		4	ss	4"	3"	12'4"	50/4"		dry		
15											
		5	ss	9"	9"	15'9"	48 50/3"		v dense		Gry highly to partially weathered BEDROCK
20		6	ss	10"	10"	20'0"	43 50/4"		dry		SAME
										20'10"	
25											E.O.B. 20'10"
30											
35											
40											

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO ____FT. USED ____CASING THEN ____CASING TO ____FT. HOLE NO. B-3
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50% F = FINE

MAINTENANCE BLDG. **B-3**

SOILTESTING, INC.
90 DONOVAN RD.
OXFORD, CT 06478
CT (203) 262-9328
NY (914) 946-4850

CLIENT: Busing Associates
PROJECT NO. G193-0495-16
PROJECT NAME Mohansic Golf Club
LOCATION 1500 Baldwin Road, Yorktown, NY
FOREMAN - DRILLER TP/dm
INSPECTOR
GROUND WATER OBSERVATIONS AT none FT AFTER 0 HOURS; AT FT AFTER HOURS

SHEET 1 OF 1 — HOLE NO. B-2
BORING LOCATIONS per Plan

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	4 ¼"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

OFFSET
DATE START 9/8/16
DATE FINISH 9/8/16
SURFACE ELEV.
GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 - 6 - 12 - 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	17"	10"	1'5"	10 48		dry/moist		Drk Brn F SAND, sm silt, lit roots, tr FC gravel
							50/5"		v dense	2'0"	lit cobbles at 1'0"
		2	ss	2"	2"	2'2"	50/2"				partially weathered / fractured BEDROCK
		3	ss	3"	3"	4'3"	50/3"		dry/moist		
5											
		4	ss	2"	0"	6'2"	50/2"		v dense		
		5	ss	3"	3"	8'3"	50/3"		dry/moist		fractured / partially weathered BEDROCK
10											
		6	ss	14"	14"	11'2"	43 48		dry/moist		SAME
							50/2"		v dense		
15										13'0"	AUGER REFUSAL
											E.O.B. 13'0"
20											
25											
30											
35											
40											

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO ____FT. USED ____CASING THEN ____CASING TO ____FT. HOLE NO. B-2
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50% F = FINE

MAINTENANCE BLDG. **B-2**

SOILTESTING, INC.
90 DONOVAN RD.
OXFORD, CT 06478
CT (203) 262-9328
NY (914) 946-4850

CLIENT: Busing Associates
PROJECT NO. G193-0495-16
PROJECT NAME Mohansic Golf Club
LOCATION 1500 Baldwin Road, Yorktown, NY
FOREMAN - DRILLER TP/dm
INSPECTOR
GROUND WATER OBSERVATIONS AT none FT AFTER 0 HOURS; AT FT AFTER HOURS

SHEET 1 OF 1 — HOLE NO. B-1 & B-1A
BORING LOCATIONS per Plan

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	4 ¼"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

OFFSET
DATE START 9/8/16
DATE FINISH 9/8/16
SURFACE ELEV.
GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 - 6 - 12 - 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	17"	15"	1'5"	11 16		dry/moist		Brn F SAND & SILT, lit F gravel, tr roots
							100/5"		v dense	1'6"	Lt brn F SAND, sm silt, lit F gravel, tr roots
		2	ss	2"	0"	2'2"	50/2"		dry/moist		partially weathered / fractured BEDROCK
		3	ss	9"	3"	4'9"	36 100/3"		v dense		
5											fractured / partially weathered BEDROCK
										6'0"	AUGER REFUSAL
10											BEDROCK E.O.B. 6'0"
15											
20											
25											
30											
35											
40											

GROUND WATER OBSERVATIONS AT none FT AFTER 0 HOURS; AT FT AFTER HOURS

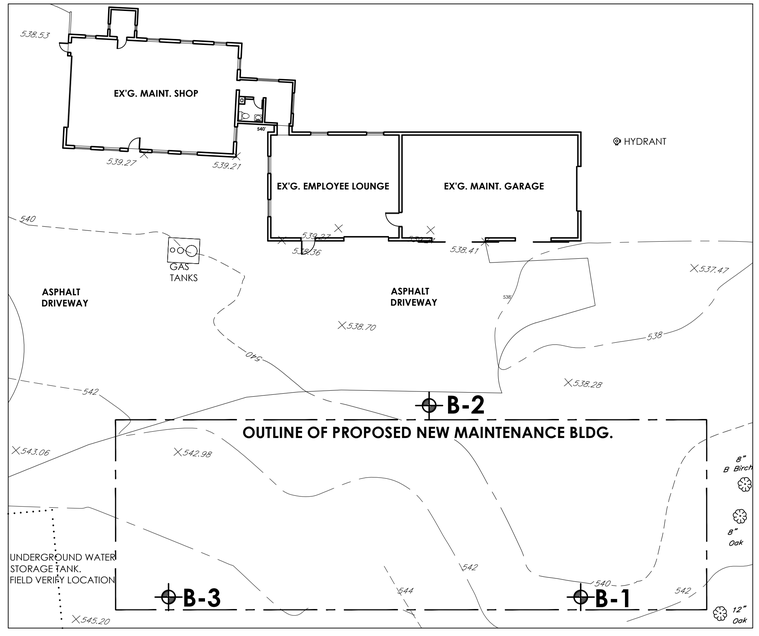
B-1A — OFFSET 6' from B-1

0		1	ss	24"	18"	2'0"	2 10		dry/moist	0'4"	Drk Brn SILT & VF SAND, lit roots
							13 19		compact	2'0"	Lt brn F SAND, sm silt, lit F gravel, tr cobbles
		2	ss	17"	12"	3'5"	29 60		v dense		partially weathered BEDROCK
							60/5"		dry/moist		
5		3	ss	24"	17"	6'0"	29 26		v dense		
							30 58		dry/moist		
		4	ss	2"	2"	6'2"	50/2"				
		5	ss	3"	2"	8'2"	50/3"		v dense		
10											
		6	ss	2"	1"	10'2"	50/2"				partially weathered / fractured BEDROCK
15											
		7	ss	1"	0"	15'1"	50/1"		v dense	15'6"	AUGER REFUSAL
											E.O.B. 15'6"
20											
25											

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO ____FT. USED ____CASING THEN ____CASING TO ____FT. HOLE NO. B-1 & B-1A
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50% F = FINE

MAINTENANCE BLDG. **B-1**



1 NEW MAINTENANCE BLDG. -- BORING LOCATIONS

1/16" = 1' - 0"

2 TEST BORING LOGS

TOPOGRAPHIC ELEVATION NOTE:

TOPOGRAPHIC ELEVATIONS SHOWN ON THE TEST BORING PLANS ARE BASED ON INFORMATION DERIVED FROM PRIOR TOPOGRAPHIC SURVEY PLANS, THAT PRE-DATE RECENT SURVEYS.

REFER TO:
SITE & STAGING PLANS: 'L-102' & 'L-103'
& SITE PLANS: 'L-104' & 'L-105'
FOR CURRENT TOPOGRAPHIC SURVEY INFORMATION.

GENERAL CONTRACTOR SHALL PERFORM LIMITED NEW SURVEYS TO CONFIRM CRITICAL TOPOGRAPHIC ELEVATIONS & ESTABLISH BUILDING LOCATIONS.

'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
TEST BORINGS

CONTRACT NUMBER 23-514
SHEET NUMBER B-100
SHEET NO. 3 OF 69
SCALE: 1/16" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-G-95
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

EROSION AND SEDIMENT CONTROL PLAN SPECIFICATIONS

1. DESCRIPTION OF WORK

PROVIDE ALL MEANS NECESSARY TO INSTALL, INSPECT AND MAINTAIN AND REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO MINIMIZE THE EROSION AND UNSPECIFIED TRANSPORT OF SOIL FROM THE SITE.

2. QUALITY ASSURANCE

A. GENERAL:

i. INSTALL AND MAINTAIN IN COMPLIANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
ii. INSTALL IN ACCORDANCE WITH THE DRAWINGS OR NEW YORK: GUIDELINES FOR URBAN EROSION & SEDIMENT CONTROL, FOURTH PRINTING, 1997 (N.Y. GUIDELINES) OR THE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MANUAL SERIES, WESTCHESTER COUNTY, NY, 1991 (W.C. GUIDELINES), WHICHEVER IS STRICTER.
iii GRADE AND MAINTAIN SITE AT ALL TIMES SUCH THAT ALL STORM WATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES.
iv NO CHANGES TO THE SOIL EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MADE WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE.
v. NO MORE THEN FIVE ACRES OF SOIL, NOT PROTECTED BY EROSION AND SEDIMENTATION CONTROL MEASURES, CAN BE DISTURBED AT ANY TIME.
vi. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS RELATING TO THE PREVENTION AND ABATEMENT OF POLLUTION.

B. PRODUCT DATA:

SUBMIT MANUFACTURERS CATALOGUE CUTS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR SILT FENCES, FILTER FABRICS, EROSION CONTROL BLANKETS, TRASH ROCKS, ANTI-SEEP COLLARS AND SEDIMENT TRAP RISER AND BARREL PIPES.

3. WORK SCHEDULE

A. PRE-CONSTRUCTION PHASE:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. PRIOR TO CLEARING VEGETATION INSTALL PERIMETER SILT FENCE/HAY BALES AND SILT FENCE AT EXISTING DETENTION BASIN.
3. PRIOR TO GRUBBING AND GRADING WITHIN A SPECIFIC
   i. TEMPORARY SEDIMENT TRAPS
   ii. TEMPORARY EARTH DIKES/SWALES.
4. PROTECT EXISTING PIPING TO REMAIN IN PLACE MAINTAINING ELEVATIONS.

B. CONSTRUCTION PHASE:

1. INSPECT AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL THEIR REMOVAL AS SPECIFIED. INSPECT MEASURES AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A 0.5 INCH OR GREATER STORM EVENT. STABILIZED AREAS WILL BE INSPECTED MONTHLY UNTIL THE ENTIRE SITE IS STABILIZED. MAINTENANCE WILL BE COMPLETED WITHIN 7 DAYS OF DETERMINING ITS NEED.
2. WHEN EXCESS SOIL FROM EARTHWORK ACTIVITIES OCCURS, STABILIZE SOIL STOCK PILES.
3. PROVIDE DUST CONTROL.
4. KEEP PAVED ROADWAYS CLEAN AT ALL TIMES.
5. TEMPORARILY STABILIZE AS SPECIFIED.
6. FOLLOWING FINISHED GRADING INSTALL TEMPORARY OR PERMANENT STABILIZATION.
7. IMMEDIATELY FOLLOWING THE INSTALLATION OF CATCH BASIN INLETS, INSTALL INLET PROTECTION.

C. POST CONSTRUCTION PHASE:

1. STABILIZE AREA AND HAVE OWNER'S REPRESENTATIVE REVIEW AND APPROVE.
2. REMOVE TEMPORARY EARTH DIKES AND VEGETATE AND PERMANENTLY STABILIZE THE RELATED DISTURBED AREAS.
3. REMOVE SEDIMENT TRAP AND VEGETATE AND PERMANENTLY STABILIZE THE RELATED DISTURBED AREAS.
4. COMPLETE WATER QUALITY BASINS, INCLUDING GRADING AND PLANTING, PERMANENTLY STABILIZE.
5. HAVE OWNER'S REPRESENTATIVE REVIEW AND APPROVE STABILIZATION OF AREAS NOTED ABOVE.
6. REMOVE PERIMETER SILT FENCE AND VEGETATE AND STABILIZE THE RELATED DISTURBED AREA.

4. PRODUCTS AND EXECUTION:

A. NO PUMPING OR DE-WATERING INTO THE PUBLIC STORM SEWER MAIN WITHOUT PRE-FILTERING AS APPROVED BY WCDEF.

B. INLET PROTECTION: THE FILTER FABRIC SHALL BE "MIRAFI 700X" OR EQUAL.

C. STABILIZED CONSTRUCTION AREA: THE FILTER FABRIC SHALL BE "MIRAFI 600X" OR EQUAL. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.

D. SILT FENCE: SILT FENCE FABRIC SHALL BE "MIRAFI 100X OR EQUAL. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD A MINIMUM 36 INCHES LONG AND TWO INCHES SQUARE. METAL POSTS SHALL BE STANDARD "T" AND "Ū" SECTION WEIGHING NOT LESS THAN ONE POUND PER LINEAR FOOT. WIRE FENCE BACKING SHALL BE A MINIMUM 14½ GAGE WITH A MAXIMUM SIX INCH MESH OPENING AND SECURELY ATTACHED TO FENCE POSTS. POSTS SHALL EXTEND A MINIMUM OF 16 INCHES INTO THE GROUND.

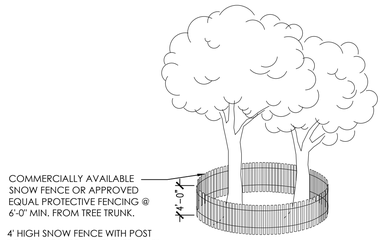
E. HALE BALE BARRIERS; WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD A MINIMUM 36 INCH LONG. METAL POSTS SHALL BE STANDARD "I" OR "U" SECTION WEIGHING A MINIMUM OF NOT LESS THAN ONE POUND PER LINEAR FOOT.

F. TEMPORARY STABILIZATION:

i. ESTABLISHMENT OF TEMPORARY GRASS COVER: PREPARE SEED BED, SCARIFY IF COMPACTED, REMOVE DEBRIS AND OBSTACLES SUCH AS ROCKS AND STUMPS AND SEED WITHIN 24 HOURS. AMEND SOIL, LIME SOIL TO PH OF 6.0 AND FERTILIZE AT A RATE OF 14 POUNDS PER 1000 SQUARE FEET WITH A 5-10-10 OR EQUIVALENT FERTILIZER. WORK AMENDMENTS A MINIMUM OF 4 INCHES INTO SOIL. IF SEEDING IN OCTOBER/NOVEMBER SEED SHALL BE CERTIFIED AROOSTOOK WINTER RYE @ 100 POUNDS PER ACRE, OTHERWISE SEED SHALL BE RYE GRASS (ANNUAL OR PERENNIAL) @ 30 POUNDS PER ACRE.
ii. MULCH: SMALL GRAIN STRAW MULCH SHALL BE APPLIED AT A RATE OF TWO TONS (100 TO 120 BALES) PER ACRE. SLOPES GREATER THEN 50% SHALL BE IMMEDIATELY MULCHED WITH EROSION CONTROL BLANKETS. BLANKETS SHALL BE "BON TERRA S2 " INSTALLED AS RECOMMENDED BY MANUFACTURER.
iii. TREAT ALL DISTURBED AREAS AS NECESSARY TO PROVIDE DUST CONTROL, CONFORM TO LOCAL AND STATE REGULATIONS GOVERNING THESE ACTIVITIES.
iv. INSTALL TEMPORARY STABILIZATION WITHIN 24 HOURS AFTER THE END OF CONSTRUCTION ACTIVITIES IN AN AREA UNLESS THERE IS SNOW COVER OR CONSTRUCTION ACTIVITIES WILL RESUME WITHIN 21DAYS.

G. CONSTRUCTION VEHICLES: THOROUGHLY WASH DOWN ALL CONSTRUCTION VEHICLES EACH TIME THEY LEAVE THE SITE AND COVER WITH TARPAULINS AS NECESSARY TO PREVENT VEHICLE TRANSPORT OF SEDIMENT OFF-SITE. DIRECT WASTEWATER FROM WASH DOWN OPERATIONS TO A SEDIMENT TRAP.

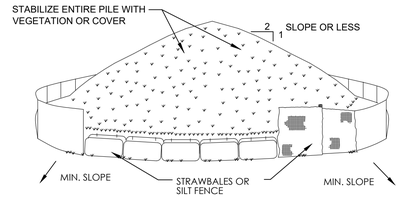
EROSION CONTROL NOTES



NOTES:

1. TREES TO BE PROTECTED DURING CONSTRUCTION WITH PROTECTIVE FENCING ERECTED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION.
2. NO CONSTRUCTION ACTIVITY IS PERMITTED WITHIN THE PROTECTIVE FENCING.
3. THE FENCING WILL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.
4. AT THE COMPLETION OF CONSTRUCTION ALL TREES WILL BE PRUNED AS NECESSARY TO CORRECT ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITY.

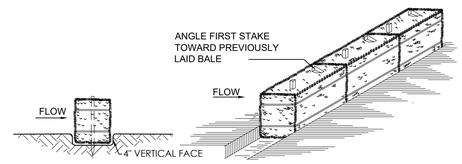
3 TREE PROTECTION
N.T.S.



INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. SOILS OR FILL TO BE STOCKPILED ON SITE DURING CUTTING AND FILLING ACTIVITIES SHOULD BE LOCATED ON LEVEL PORTIONS OF THE SITE WITH A MINIMUM OF 50-75 FOOT SETBACKS FROM TEMPORARY DRAINAGE SWALES.
3. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
4. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
5. STOCKPILES REMAINING IN PLACE FOR MORE THAN A WEEK SHOULD BE SEEDED AND MULCHED OR COVERED WITH GEOTEXTILE FABRIC SURROUNDED BY SILT FENCE.
6. SEE DETAIL THIS SHEET FOR INSTALLATION OF SILT/FENCE.

2 SOIL STOCKPILE
N.T.S.

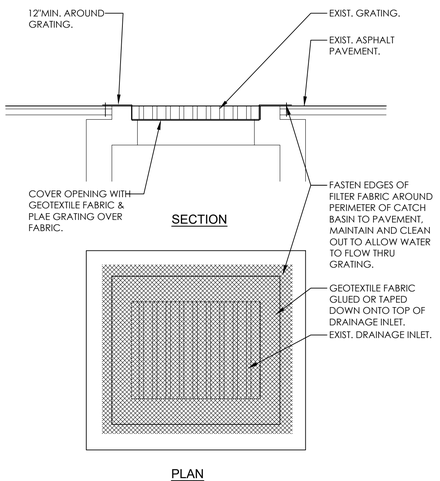


BEDDING DETAIL ANCHORING DETAIL

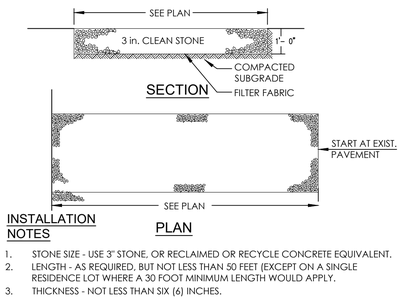
NOTES:

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

1 HAY BALE
N.T.S.



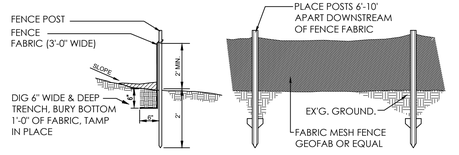
6 FABRIC AT INLET
N.T.S.



INSTALLATION NOTES

1. STONE SIZE - USE 3" STONE, OR RECLAIMED OR RECYCLE CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - 25 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

5 STABILIZATION
N.T.S.



NOTE: USE STEEL POSTS WEIGHING 1.3 LBS/FT.

NOTE:

AT THE COMPLETION OF THE PROJECT AND AFTER SOIL STABILIZATION AND VEGETATIVE GROWTH HAVE BEEN ASSURED, THE SILT FENCE MUST BE COMPLETELY REMOVED AND THE EMBEDMENT TRENCH RESTORED TO A NATURAL CONDITION.

4 SILT FENCE
N.T.S.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
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CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER L - 100
SHEET NO. 4 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
EROSION CONTROL - NOTES & DETAILS

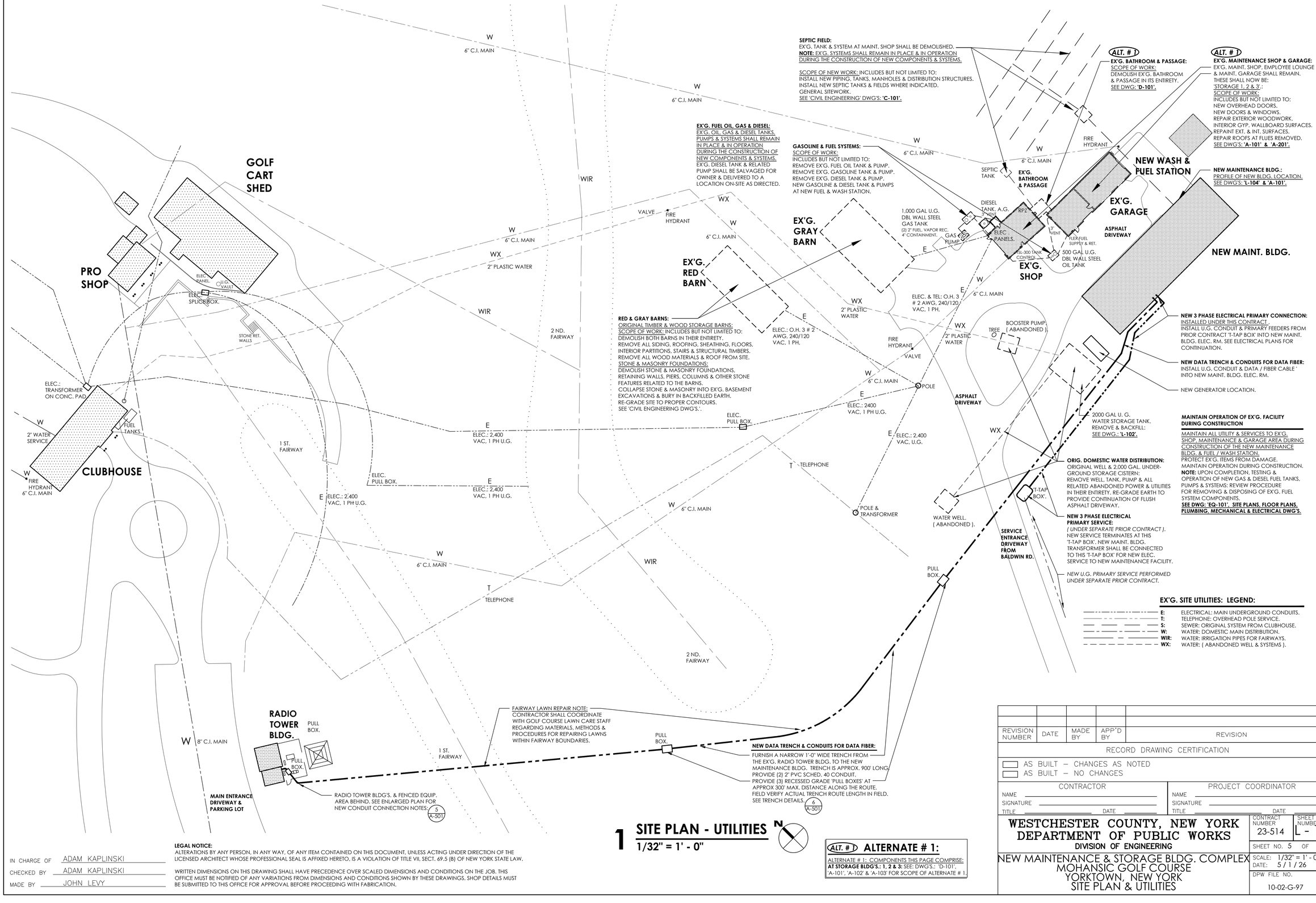
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DPW FILE NO. 10-02-G-96
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.



1 SITE PLAN - UTILITIES

1/32" = 1' - 0"

N

ALT. # 1 ALTERNATE # 1:

ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE: **AT STORAGE BLDG'S.: 1, 2 & 3:** SEE: DWG'S.: 'D-101', 'A-101', 'A-102' & 'A-103' FOR SCOPE OF ALTERNATE # 1.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER L - 101

SHEET NO. 5 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SITE PLAN & UTILITIES

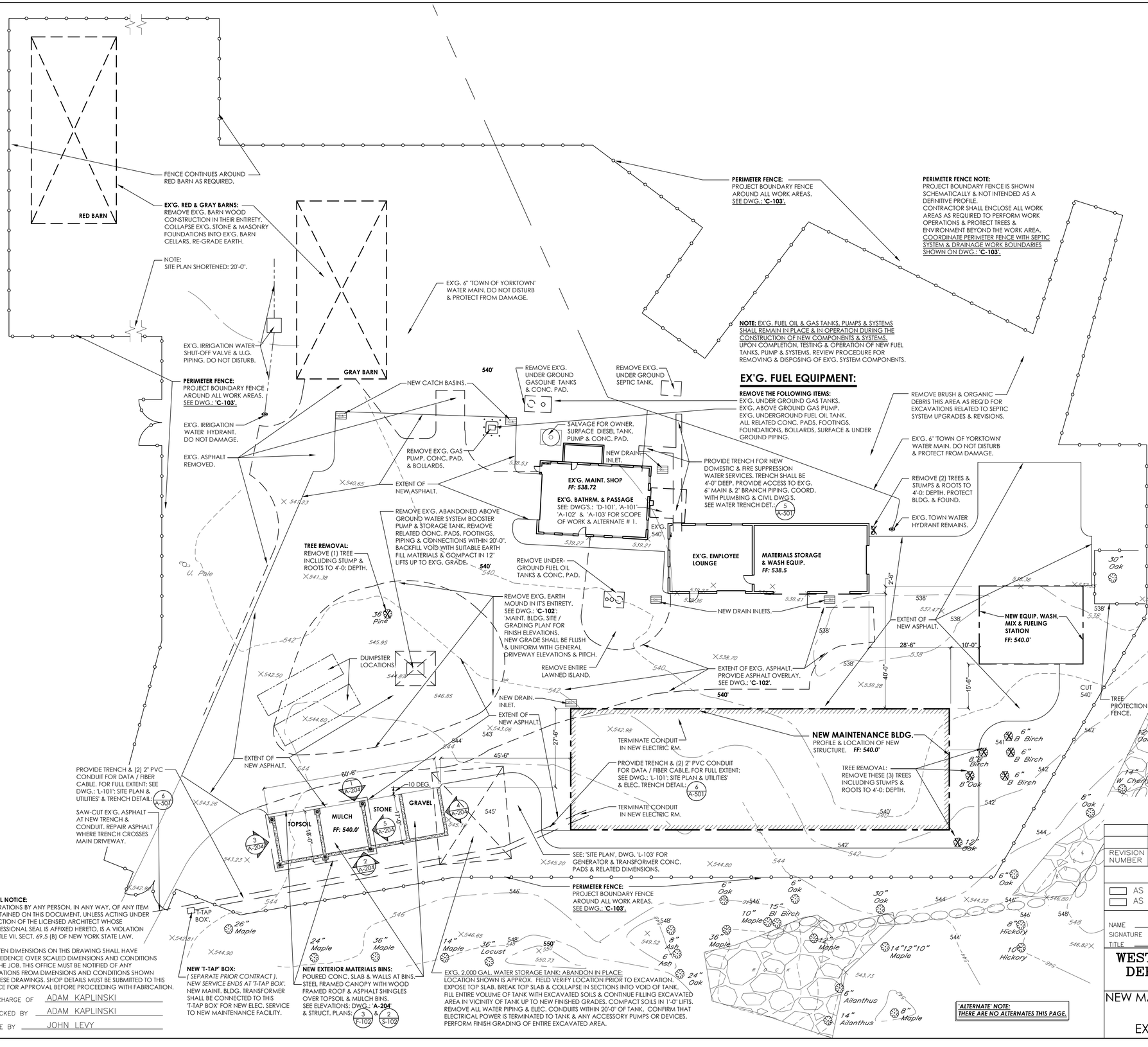
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SITE & STAGING NOTES:

REFER TO GENERAL CONDITIONS & SITE SPECIFIC REQUIREMENTS FOR SAFETY & SECURITY OF WORK AREAS & PUBLIC SPACES.

WORK AREA BOUNDARY:
1. ALL WORK & EQUIPMENT SHALL BE CONTAINED WITHIN THE PERIMETER FENCE.
2. REVIEW OTHER REQUIRED WORK AREAS WITH OWNER IN ADVANCE.

PERIMETER FENCE:
1. INSTALL 8'-0" CHAIN LINK FENCE ENCLOSING ALL WORK AREAS.
2. CHAIN LINK FENCE SHALL BE DARK GREEN VINYL COATED.
3. INSTALL GREEN PCV 'HEDGELINK' PRIVACY INSERTS IN ENTIRE FENCE AREA & GATES.
4. ASSURE POSITIVE SEPARATION FROM WORK AREA TO PUBLIC AREAS.
5. INSTALL VEHICULAR & PERSONNEL GATES WHERE REQUIRED FOR THE WORK.

SECURITY:
1. MAINTAIN ALL GATES & ACCESS TO WORK AREAS IN A LOCKED POSITION TO RESTRICT UNAUTHORIZED ACCESS INTO WORK AREA.
2. DURING ACCESS OPERATIONS & MATERIAL MOVEMENT INTO THE WORK AREA, ESTABLISH PERSONNEL MONITORS TO PROTECT THE PUBLIC.
3. COORDINATE SCHEDULE OF OPERATIONS & MOVEMENTS 2 DAYS IN ADVANCE WITH MONITORS.

ACTIVE DRIVEWAYS:
1. DRIVEWAYS & PARKING AREAS ARE IN USE AT ALL TIMES.
2. ARRANGE TRUCK & DELIVERY TRAFFIC TO CREATE A MINIMUM OF DISTURBANCE TO DRIVEWAYS & PARKING.
3. NOTIFY OWNER 2 DAYS IN ADVANCE OF POTENTIAL VEHICULAR OBSTRUCTIONS TO DRIVEWAYS & PARKING.

GENERAL PROTECTIONS:
1. ASSURE FULL PROTECTION OF PUBLIC SAFETY AT ALL TIMES, DAY & NIGHT.
2. PROTECT EX'G. PROPERTY FROM DAMAGE DUE TO WORK OR RELATED OPERATIONS.
3. PROTECT TREES, SHRUBS, PATHS & CURBS FROM DAMAGE.
4. ITEMS DAMAGED AS A CONSEQUENCE OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS PART OF THE SCOPE OF THE CONTRACT.
5. REVIEW ALL CONDITIONS & POTENTIAL DAMAGE TO PROPERTY WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.

GENERAL SITEWORK REVIEW NOTE:

REVIEW ALL SITE DISTURBANCE IN THE FIELD PRIOR TO PERFORMING ANY SITE MOBILIZATION OR OPERATIONS.
REVIEW PROPOSED METHODS, EQUIPMENT, MATERIALS & EXTENTS WITH ARCH., CIVIL ENGINEER & OWNER PRIOR TO OCCUPYING SITE.
MAINTAIN POSITIVE BOUNDARY FENCE A MIN. 50' CLEAR OF ALL FAIRWAYS AT ALL TIMES.

TREE PROTECTIONS & REMOVALS:

TREE PROTECTIONS:
EX'G. TREES SHALL REMAIN UNLESS SPECIFICALLY NOTED FOR REMOVAL.
REVIEW EXTENT OF ALL EXCAVATION & CONSTRUCTION ACTIVITIES & EQUIPMENT MOVEMENT IN VICINITY OF TREES.
LAYOUT ALL BOUNDARIES IN FIELD WITH ARCH. PRIOR TO ANY WORK.
PROTECT ALL TREES WITHIN THE CONSTRUCTION BOUNDARY TO REMAIN.
ENCLOSE TREES IN A BARRIER FENCE UP TO THE DRIP LINE TO PROTECT GROUND ROOTS.
REVIEW ALL TREE PROTECTIONS WITH ARCH. & OWNER PRIOR TO ANY WORK.

TREE REMOVALS:
REVIEW PROCEDURE FOR REMOVALS WITH ARCH. & OWNER PRIOR TO WORK.
ESTABLISH DIRECTION & EXTENT OF FALL. EXTENT OF DAMAGE TO ADJACENT TREES & PLANTINGS, & EXTENT OF GRADE DISTURBANCE TO PROCESS THE TREE FOR REMOVAL.
REMOVE STUMP & ROOTS TO A DEPTH OF 4'-0".
REMOVE ALL TRUNKS, BRANCHES, TWIGS, LEAVES, CHIPPINGS & OTHER REMNANTS OF THE TREE FROM THE SITE.

TOPOGRAPHIC SURVEY NOTE:

TOPOGRAPHIC SURVEY INFORMATION WAS FURNISHED BY:
WARD CARPENTER ENGINEERS, INC.
76 MAMARONECK AVE. WHITE PLAINS, NY 10601 914 - 949 - 6000
SURVEYS WERE PREPARED: 2 / 14 / 17 & 2 / 31 / 17.

1 EX'G. MAINTENANCE BUILDINGS SITE & STAGING PLAN

1/16" = 1' - 0"

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER L-102
SHEET NO. 6 OF 69

NEW MAINTENANCE & STORAGE BLDG COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
EX'G. SITE & BLDG'S. -- STAGING PLAN

SCALE: 1/16" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-G-98
REV. NO. 0

ELECTRIC 'EV' VEHICLE CHARGERS: (N.I.C.):

NOTE: E.V. CHARGERS ARE NOT PART OF THIS CONTRACT. THERE IS NO SCOPE OF WORK REGARDING E.V. CHARGERS.

A '2-CAR' CHARGING STATION WILL BE ESTABLISHED AS A FUTURE PROJECT. SPARE BREAKERS ARE PROVIDED IN PANEL 'PP-MG1' IN THE ELECTRICAL RM. FOR FUTURE E.V. CHARGERS.

THE FUTURE '2-CAR' CHARGER WILL BE LOCATED AT THE BACK OF THE FIRST 2 SPACES HERE: SEE DWG.: 'C-101' 'MAINT. BLDG. CIVIL SITE PLAN', PARKING SPACES # 10 & # 11.

SHED

STORAGE 1
(EX'G. MAINT. SHOP: RE-USED)

STORAGE 2
(EX'G. MAINT. GARAGE BAY: RE-USED)

STORAGE 3
(EX'G. MAINT. GARAGE BAY: RE-USED)

FINISH FLOOR: 538.5'

WASH EQUIP.

MIX EQUIP.

BOLLARDS AT O. H. DOORS. SEE DET. & POSITION: 10 / A-302

TRENCH & CONDUIT TO FUTURE 'EV CHARGER' LOCATION.

PROVIDE 24" X 24" GRADE HAND-HOLD ELEC. BOX AT CHANGE IN DIRECTION FOR SPARE CONDUIT TO FUTURE 'EV CHARGER' LOCATION.

TRENCH & CONDUIT TO FUTURE 'EV CHARGER' LOCATION.

FIRE SEPARATION DISTANCE.

EX'G. WINDOWS ARE REMOVED ON WALLS BETWEEN BLDG'S. WALL SURFACES ARE INFILLED TO MATCH EX'G. BLDG. CONSTRUCTION.

REPAIR & RESTORE, GRADE & LAWNS AT PERIMETER OF CONSTRUCTION AREAS.

COORD. EXTENT OF WATER TRENCH WITH WITH PLUMBING PLAN: 'P-201'.

WASH RECYCLE EQUIP.: 6'-0" DIA. MIX TANK. 6'-0" DIA. STOR. TANK. 6'-0" X 4'-0" TREATMENT SKID. 6" CONTAINMENT CURB. HYDRO SCREEN, GRASS CART & LOCAL DRAIN.

EX'G. HYDRANT REMAINS.

NEW PARKING AREAS: 18'-0" X 9'-0" EA. SPACE.

EXTENT OF NEW ASPHALT.

PERIMETER FENCE: PROJECT BOUNDARY FENCE AROUND ALL WORK AREAS. SEE DWG.: **'C-103'.**

NEW GRADES & ASPHALT DRIVEWAY

ACCESSIBLE PARKING SPACE. BLUE STRIPED 9'-0" WIDE AISLE. BLUE GRAPHIC ON ASPHALT. 'ACCESSIBLE SIGN' ON POST.

NEW PARKING AREAS: 18'-0" X 9'-0" EA. SPACE.

NEW ASPHALT DRIVEWAYS.

FIRE SEPARATION DISTANCES:

PROVIDE TRENCH & CONDUIT: PROVIDE (2) 2" PVC CONDUIT FOR POWER FEED & DATA / FIBER FROM ELEC. RM. TO FUTURE 'EV CHARGER' LOCATION. SAW-CUT EX'G. ASPHALT & REPAIR EX'G. ASPHALT PRIOR TO NEW DRIVEWAY ASPHALT. SEE ELECTRIC TRENCH DET.: 6 / A-501 & WATER TRENCH DET.: 5 / A-501

SITEWORK CONTINUATION: ISLAND REVISIONS, MATERIALS SHEDS, PAVING: SEE 'SITE & STAGING PLAN FOR SITEWORK, REMOVALS, GRADING, FILL, ASPHALT, DRIVEWAYS, MATERIAL STORAGE BINS & LANDSCAPING. SEE 'CIVIL SITE PLAN' DWG. 'C-101' FOR SITE, DRAINAGE, ASPHALT DRIVEWAYS & PARKING.

CHEMICAL MIXING EQUIP.: 4'-0" DIA. MIX TANK. 4'-0" DIA. STOR. TANK. 2'-0" X 2'-0" PUMP PAD. 6" CONTAINMENT CURB.

EQUIP. WASH & FUELING STATION: U.G. PIPES TO WASH RECYCLE & CHEM. EQUIP. CONC. PAD PITCHED TO COLLECTION SUMP. STEEL FRAME & CANOPY WITH METAL ROOF. NEW DIESEL & GASOLINE TANK & PUMP. SEE DWG.: 'EQ-101'.

PROVIDE TRENCHES FOR DOMESTIC WATER & FIRE SERVICE PIPES. COORD. WITH PLUMBING PLAN: 'P-201'. SAW-CUT EX'G. ASPHALT & REPAIR EX'G. ASPHALT PRIOR TO NEW DRIVEWAY ASPHALT.

500 G. DIESEL TANK

500 G. GAS TANK

FINISH FLOOR: 540.0'

PROVIDE TRENCHES FOR: ELEC., POWER FEED & FIRE ALARM TO STORAGE BLDG'S. PROVIDE (2) 2" PVC CONDUIT FOR DATA / FIBER CABLE. SAW-CUT EX'G. ASPHALT & REPAIR EX'G. ASPHALT PRIOR TO NEW DRIVEWAY ASPHALT. SEE ELECTRIC TRENCH DET.: 6 / A-501 & WATER TRENCH DET.: 5 / A-501

BOLLARDS AT O.H. DOORS SEE DET. & POSITION. 10 / A-302

TRANSITION APRON AT FRONT: 1 / 12 SLOPE AWAY FROM BLDG.

NEW GRADES & ASPHALT DRIVEWAY. SEE CONTINUATION AT 'SITE & STAGING PLAN'.

TRANSITION APRON AT FRONT: 1 / 12 SLOPE AWAY FROM BLDG

APRON: 539.8

STRUCTURAL STEEL COL. FRAME: 26'-0" BAY.

STRUCTURAL CONC. SLAB. PITCH TOWARD FLOOR DRAINS

SUPER'S OFFICE

EMP. LOUNGE

FOREMAN'S OFFICE

FINISH FLOOR: 540.0'

MAINT SHOP

GENERAL SHOP

MAINT. STORAGE

FF: 540.0'

KITCHEN

ACC. BATH.

HALL

GRINDER RM.

ELEC. RM.

BATHROOM

GEN. PAD.: 542.5'

TRANS. PAD.: 543.0'

PROVIDE TRENCH & (2) 2" PVC CONDUIT FOR DATA / FIBER CABLE. FOR FULL EXTENT: SEE DWG.: 'L-101': SITE PLAN & UTILITIES' & TRENCH DETAIL: 6 / A-501

GENERATOR & TRANSFORMER SHALL BE 4'-0" MIN. APART PER CODE.

CONC. PADS FOR A/C CONDENSERS: 3'-0" X 5'-0" X 4" THICK, SET ON 6" COMPACT GRAVEL ON COMPACT EARTH. COORD. WITH MECH. DWG'S.

GRADE TRANSITION BEYOND APRON AT REAR & SIDES: 1 / 2 SLOPE UP TO EX'G. GRADES

CONC. LANDING PADS AT (4) REAR EXIT DOORS: 7'-0" L. X 3'-6" W. X 6" D. ON 4" COMPACT GRAVEL

REAR APRON: PERMEABLE SURFACE: 6' WIDE: 1 / 20 SLOPE AWAY FROM BLDG. SLATE CHIP SURFACE, GRAVEL SUBSTRATE, STABILIZATION GRID.

SIDE APRON: PERMEABLE SURFACE

1 / 2 UP SLOPE.

CONC. PAD FOR TRANSFORMER: 4'-0" X 6'-0" X 8" PAD: # 4 BARS AT 12" O.C. EA. WAY. BEAR ON 4" COMPACT GRAVEL ON COMPACT EARTH. VERIFY PAD ELEV. IN FIELD.

CONC. PAD FOR GENERATOR: 20'-0" X 9'-0". PAD ELEVATION: 542.5'. SEE FOUNDATION DETAILS: 4 / F-102 & 1 / A-101

EX'G. 2,000 GAL. WATER STORAGE TANK: ABANDON IN PLACE: LOCATION SHOWN IS APPROX. FIELD VERIFY LOCATION. COLLAPSE TOP SLAB INTO VOID OF TANK & FILL VOLUME OF TANK WITH COMPACTED EXCAVATED SOILS. SEE WORK DESCRIPTION NOTE: DWG.: **'L-102'.**

NOTE: 'T-TAP' BOX FOR CONNECTION OF PRIMARY ELECTRICAL SERVICE INTO NEW MAINT. BLDG.: LOCATED NEAR DRIVEWAY: APPROX. 140'-0" WEST OF S-W CORNER OF NEW MAINT. BLDG.

PERIMETER FENCE: PROJECT BOUNDARY FENCE AROUND ALL WORK AREAS. SEE DWG.: **'L-103'.**

EXCAVATE, TRENCH, BACKFILL & GRADE FOR U.G. OIL SEPARATOR. SEE DWG.: **'C-103'.**

FILL VOID IN GRADE AT TREES REMOVED. BACKFILL WITH CLEAN EARTH. COMPACT EARTH TO PREPARE FOR NEW PAVING SUBSTRATES.

TREE PROTECTION: EX'G. TREES SHALL REMAIN. DO NOT DISTURB. REVIEW EXTENT OF ALL EXCAVATION & CONSTRUCTION ACTIVITIES & EQUIPMENT MOVEMENT IN VICINITY OF TREES. INSTALL PROTECTION FENCING AROUND TREES AS NEAR TO EXTENT OF DRIP LINE RADIUS. LAYOUT ALL BOUNDARIES IN FIELD WITH ARCH. PRIOR TO ANY WORK.

30" Oak

12" Maple

12" Oak

14" W Cherry

8" Oak

6" Oak

6" Oak

30" Oak

8" Hickory

10" Maple

15" Bl Birch

8" Ash

36" Maple

14"12"10" Maple

12" Maple

1 NEW MAINTENANCE BUILDING -- SITE PLAN

1/8" = 1' - 0"

'ALTERNATE' NOTE: THERE ARE NO ALTERNATES THIS PAGE.

IN CHARGE OF ADAM KAPLINSKI

CHECKED BY ADAM KAPLINSKI

MADE BY JOHN LEVY

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER L - 103

SHEET NO. 7 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
NEW MAINTENANCE BLDG. -- SITE PLAN

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26

DPW FILE NO. 10-02-G-99 | REV. NO. 0

RED & GRAY BARNS:

RED & GRAY BARN DEMOLITION:
REMOVE THE RED & GRAY BARN TIMBER & WOOD CONSTRUCTION IN THEIR ENTIRETY. EX'G. STONE & MASONRY FOUNDATIONS SHALL BE COLLAPSED INTO THE CELLARS & BURIED IN NEW GRADED EARTH.
SEE DWG'S.: '**A-702, 702 & 703**'.

GRAY BARN

EX'G. IRRIGATION WATER HYDRANT REMAINS. PROTECT FROM DAMAGE.

STORAGE 1:

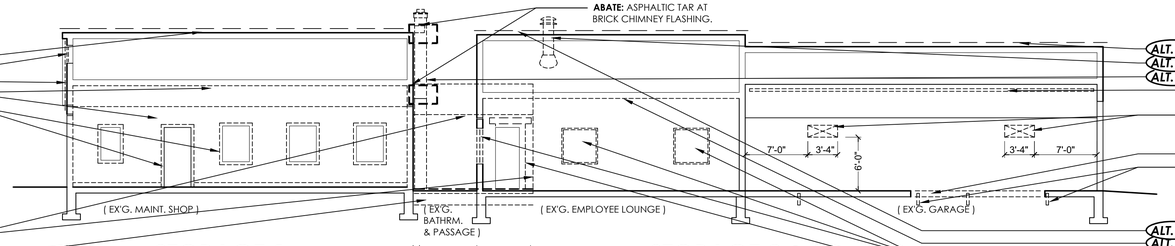
(ALT. #) **REMOVE THE FOLLOWING ITEMS:**
ENTIRE ASPHALT SHINGLE ROOF & FELT UNDERLAYMENT.
ALUM. LOUVER AT GABLE END OF ATTIC.
WOOD SHINGLE SIDING AT GABLE END.
WOOD PANELING AT EXTERIOR WALLS & CEILING.
WOOD BASE & TRIMS AT WINDOWS & DOORS.
MISC. STEEL BARS & ITEMS SUSPENDED FROM CLG. & BRACKETED FROM WALLS.
EXPOSE EX'G. FRAMING TO REMAIN.
REMOVE EX'G. BATT INSULATION AT WALLS & CLG.

SEE PLUMBING, MECHANICAL & ELECTRICAL DWG'S FOR REMOVALS IN THOSE TRADES.

EX'G. BATHRM. & PASSAGE:

(ALT. #) **REMOVE THE FOLLOWING ITEMS:**
ENTIRE BATHROOM STRUCTURE: ROOF, WALLS, CONC. SLAB, BATHRM. ACCESSORIES & FIXTURES.. REMOVE FOOTINGS DOWN TO 2'-0" BELOW GRADE.

ABATE: ASPHALTIC TAR AT BRICK CHIMNEY FLASHING.



3 STORAGE 1
1/8" = 1' - 0"

RETAIN: EX'G. MAINTENANCE SHOP & SHED BLDG.

DEMOLISH: BATHROOM & PASSAGE:

2 STORAGE 2 & 3
1/8" = 1' - 0"

RETAIN: EX'G. EMPLOYEE LOUNGE & MAINTENANCE GARAGE BLDG.

STORAGE 3:

REMOVE THE FOLLOWING ITEMS:
(ALT. #) ENTIRE ASPHALT SHINGLE ROOF & FELT UNDERLAYMENT.
(ALT. #) METAL FLUE.
(ALT. #) BRICK CHIMNEY & FLUE.
REMOVE EX'G. EXTERIOR OVERHEAD SLIDING DOOR TRACK, HARDWARE & BRACKETS, FULL LENGTH OF BLDG.
SAW-CUT EX'G. CONC. BLOCK: 3'-4" W. x 1'-4" H. FOR NEW 36" W. X 12" H. LOUVER. COORD. OPENING WITH ACTUAL LOUVER SIZE.
SAW-CUT CONC. SLAB FOR NEW RECYCLE EQUIP. SUMP.
REMOVE (4) ROLLER GUIDES AT GRADE.

STORAGE 2:

REMOVE THE FOLLOWING ITEMS:
(ALT. #) ENTIRE ASPHALT SHINGLE ROOF & FELT UNDERLAYMENT.
(ALT. #) GYP. WALLBOARD CLG. EX'G. FRAMING REMAINS.
REMOVE (4) WINDOWS.
(ALT. #) SAW-CUT CONC. BLOCK TO WIDEN DOOR OPENING.

HAZARDOUS MATERIALS NOTES:

THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE '**POSITIVE' FOR ASBESTOS**': [ ]
ASPHALTIC TAR AT BRICK CHIMNEY FLASHING.

THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE '**NEGATIVE' FOR ASBESTOS**':
ASPHALT ROOF SHINGLES & TAR PAPER.
WINDOW GLAZING CAULKING & SEALANTS.
GYPSUM WALLBOARD & COMPOUND.
BLOCK, MORTAR & STUCCO.
TILE, GROUT & INSULATION.

DEMOLITION & REMOVAL OF ASBESTOS CONTAINING MATERIALS & ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH: '**NYS CODE RULE 56' & 'ASBESTOS REMOVAL & DISPOSAL PROTOCOL**'

THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE '**POSITIVE FOR LEAD**' AT THE EX'G. MAINTENANCE SHOP:
PAINT AT WOOD EXTERIOR CLAPBOARD.
PAINT AT WOOD EXTERIOR WINDOW CASING.
PAINT AT WOOD EXTERIOR SOFFIT.

DEMOLITION & REMOVAL OF LEAD CONTAINING MATERIALS & ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH: '**NYS CODE RULE 56' & 'LEAD SAFE PRACTICE GUIDELINES.**'

PHASING & SCHEDULING NOTE:

THE ENTIRE EX'G. MAINTENANCE FACILITY SHALL REMAIN UN-TOUCHED & FULLY OPERATIONAL DURING THE CONSTRUCTION OF THE NEW MAINTENANCE BLDG.

EX'G. SHOP & GARAGES SHALL REMAIN IN USE WITH ALL UTILITIES & SERVICES FULLY OPERATIONAL. EX'G. GASOLINE, DIESEL & FUEL OIL TANKS & PUMPS SHALL REMAIN IN PLACE & IN OPERATION DURING THE CONSTRUCTION OF NEW EQUIPMENT & SYSTEMS.

CONTRACTOR SHALL MAINTAIN A 20'-0" MIN. WIDTH VEHICLE APRON ON THE SOUTH SIDE OF THE EX'G. SHOP & GARAGES TO FACILITATE MAINTENANCE VEHICLE & EQUIPMENT MOVEMENT.

VEHICLE APRON SHALL BE ENCLOSED WITHIN AN 8'-0" HIGH CHAIN LINK FENCE TO MAINTAIN SEPARATION OF THE EX'G. FACILITY OPERATIONS & CONSTRUCTION OF THE NEW MAINTENANCE BLDG.

WORK AT THE EX'G. SHOP & GARAGE SHALL NOT COMMENCE UNTIL COMPLETION & FULL OPERATION OF THE NEW MAINTENANCE BLDG., INCLUDING BUT NOT LIMITED TO: ALL UTILITIES, SERVICES, FUEL TANKS, PUMPS, PLUMBING, MECHANICAL & ELECTRICAL SYSTEMS. ALL SHOP EQUIPMENT SHALL BE IN PLACE & FULLY OPERATIONAL.

UPON COMPLETION OF THE NEW MAINTENANCE BLDG. & ALL FUNCTIONS, THE COUNTY SHALL REVIEW WITH THE GOLF COURSE & THE CONTRACTOR TO ESTABLISH A SCHEDULE FOR THE WORK AT THE EX'G. SHOP, BATHROOM, PASSAGE & GARAGE.

SEPTIC SYSTEM REVISIONS:
REMOVE EX'G. SEPTIC TANK & FIELD BEYOND. REFER TO SITE & CIVIL DWG'S. FOR NEW SEPTIC SYSTEM SCOPE OF WORK.

REMOVE ALL SANITARY PIPING PIPING RELATED TO BATHROOM & SEPTIC TANK CONNECTIONS.

EX'G. SHED: (ALT. #)
EX'G. SHED REMAINS. NO CHANGE TO EXTERIOR OR INTERIOR FINISHES. REMOVE ENTIRE ASPHALT SHINGLE ROOF & FELT UNDERLAYMENT.

SEPTIC TANK

EX'G. FUEL GAS EQUIPMENT:

REMOVE THE FOLLOWING ITEMS:
GASOLINE PUMP, BOLLARDS & CONC. PAD.
UNDERGROUND GASOLINE TANKS & RELATED UNDERGROUND PIPING.
CONC. PAD AT SALVAGED DIESEL TANK.
SEE PLUMBING & MECH. DWG'S.

RETAIN THE FOLLOWING ITEM:
EX'G. SELF CONTAINED ABOVE GROUND DIESEL TANK & PUMP (YELLOW). REMOVE INTACT & DELIVER TO NEW LOCATION ON MAINT. SITE.

STORAGE 1:

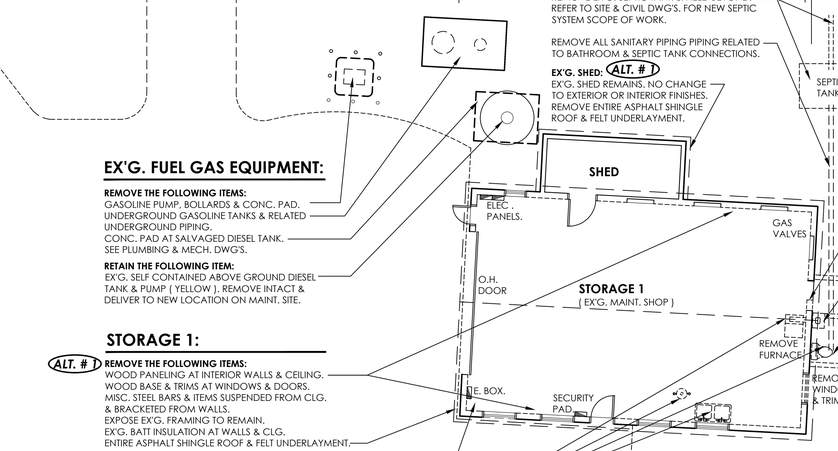
(ALT. #) **REMOVE THE FOLLOWING ITEMS:**
WOOD PANELING AT INTERIOR WALLS & CEILING.
WOOD BASE & TRIMS AT WINDOWS & DOORS.
MISC. STEEL BARS & ITEMS SUSPENDED FROM CLG. & BRACKETED FROM WALLS.
EXPOSE EX'G. FRAMING TO REMAIN.
EX'G. BATT INSULATION AT WALLS & CLG.
ENTIRE ASPHALT SHINGLE ROOF & FELT UNDERLAYMENT.

PLUMBING, MECHANICAL & ELECTRICAL:

REMOVE THE FOLLOWING ITEMS:
ALL PLUMBING FIXTURES, EYE WASH, BATHROOM FIXTURES, WATER SERVICE, RPZ, BACKFLOW & FURNACE.
ALL ELECTRICAL & FIRE ALARM EQUIP. & CONDUIT.

EX'G. FUEL OIL EQUIPMENT:

REMOVE THE FOLLOWING ITEMS:
UNDER GROUND FUEL OIL TANK & CONC. PAD. RELATED UNDERGROUND PIPING.
SEE PLUMBING & MECH. DWG'S.



NOTE:
REFER TO PLUMBING, MECHANICAL & ELECTRICAL DWG'S FOR REMOVALS IN THOSE TRADES.

BATHROOM & PASSAGE:

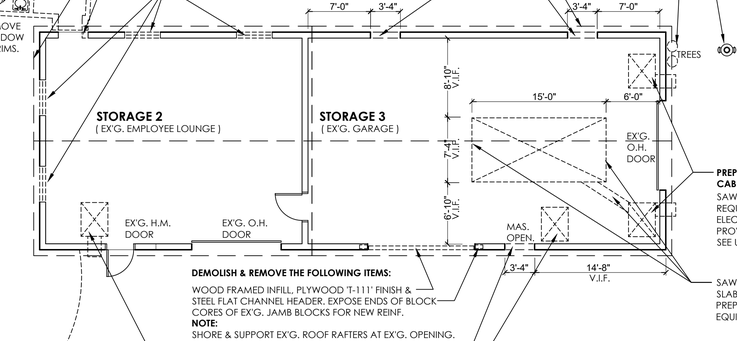
REMOVE THE FOLLOWING ITEMS:
(ALT. #) SAW-CUT EX'G. WOOD FRAMING TO SUIT WIDTH OF NEW DOOR. SEE NEW WORK PLAN FOR NEW H.M. DOOR & FRAME.
(ALT. #) INTERCONNECTING BATHROOM & PASSAGE BETWEEN EX'G. SHOP & GARAGE IN IT'S ENTIRETY, INCLUDING BUT NOT LIMITED TO: ROOF, FRAMING, SIDING, INTERIOR FINISHES, TRIMS, FLOOR SLAB, FOOTINGS & FOUNDATIONS.
(ALT. #) BRICK CHIMNEY & FLUE.
PLUMBING FIXTURES & ALL RELATED SUPPLY, SANITARY & VENT PIPING ABOVE & BELOW GROUND. SEE PLUMBING & MECH. PLANS FOR EXTENT OF PIPING REMOVALS.

STORAGE 2 & 3:

REMOVE THE FOLLOWING ITEMS:
(ALT. #) ENTIRE ASPHALT SHINGLE ROOF & FELT UNDERLAYMENT.
(ALT. #) SAW-CUT EX'G. CONC. BLOCK AT OPENING TO SUIT WIDTH OF NEW DOOR. SEE NEW WORK PLAN FOR NEW H.M. DOOR & FRAME.
SAW-CUT EX'G. CONC. BLOCK FOR NEW 36" W. X 12" H. LOUVER. COORD. OPENING WITH ACTUAL LOUVER SIZE. PROVIDE TEMPORARY SHORING TO SUPPORT EX'G. ROOF RAFTERS.
REMOVE (4) WINDOWS.

EX'G. FIRE HYDRANT REMAINS. PROTECT FROM DAMAGE.

REMOVE TREES & STUMPS.



PREPARATION FOR NEW WATER PIPES & DATA / FIBER CABLE CONDUITS:
SAW-CUT EX'G. SLAB & PROVIDE A 3'-0" WIDE X LENGTH REQUIRED OPENING TO ACCESS NEW WATER PIPES & ELEC. CONDUIT. CORE DRILL EX'G. FOUND. WALL TO PROVIDE PASSAGE FOR NEW WATER PIPES & ELEC. COND. SEE UTILITY ACCESS DET.: 8/A-501

SAW-CUT & REMOVE EX'G. CONC. SLAB. SAW-CUT AT NEW UNDER GROUND PIPING. PREPARE SUBSTRATE FOR NEW GRAVEL, SLAB, EQUIP. SUMP & PIPING.

DEMOLISH & REMOVE THE FOLLOWING ITEMS:
WOOD FRAMED INFILL, PLYWOOD T-111 FINISH & STEEL FLAT CHANNEL HEADER. EXPOSE ENDS OF BLOCK CORES OF EX'G. JAMB BLOCKS FOR NEW REINF.
NOTE:
SHORE & SUPPORT EX'G. ROOF RAFTERS AT EX'G. OPENING.

SAW-CUT CONC. BLOCK WALL FOR NEW DOOR OPENING.

PREPARATION FOR NEW WATER PIPES & DATA / FIBER CABLE CONDUITS:
SAW-CUT EX'G. SLAB & PROVIDE A 3'-0" WIDE X LENGTH REQUIRED OPENING TO ACCESS NEW WATER PIPES & ELEC. CONDUIT. CORE DRILL EX'G. FOUND. WALL TO PROVIDE PASSAGE FOR NEW WATER PIPES & ELEC. COND. SEE UTILITY ACCESS DET.: 8/A-501

REMOVAL OF LAWN AREAS:
SEE CIVIL ENGINEERING 'C' DWG'S. FOR REMOVALS & MODIFICATIONS TO EX'G. LAWN AREAS.

REMOVAL & OVERLAY OF ASPHALT PAVING AREAS:
SEE CIVIL ENGINEERING 'C' DWG'S. FOR REMOVALS & MODIFICATIONS TO EX'G. PAVED AREAS, & NEW PAVED AREAS.

1 EX'G. MAINTENANCE BUILDINGS -- DEMO PLANS
1/8" = 1' - 0"

N

(ALT. #) ALTERNATE # 1:

ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE:
AT STORAGE BLDG'S.: 1, 2 & 3: DEMOLITION OF: INT. FINISHES. BATHROOM. OPENINGS AT DOORS. ROOFING. CHIMNEYS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER D-101
SHEET NO. 8 OF 69

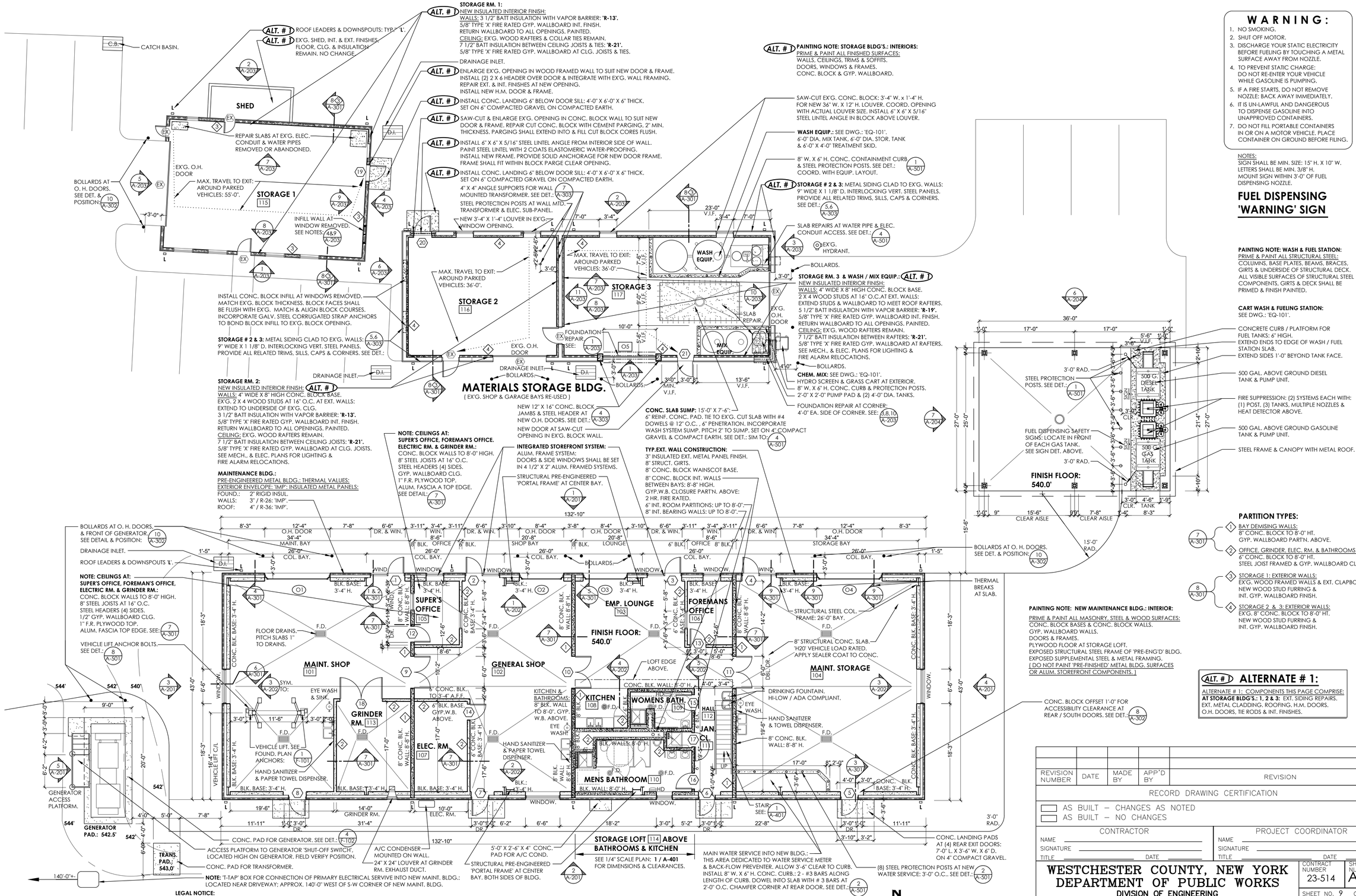
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
EXISTING MAINT. FACILITY -- DEMOLITION

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-100
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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1 NEW MAINTENANCE BUILDING -- PLAN

1/8" = 1' - 0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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- ☐ AS BUILT – NO CHANGES

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER A-101

SHEET NO. 9 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE & STORAGE BLDG'S. - PLANS

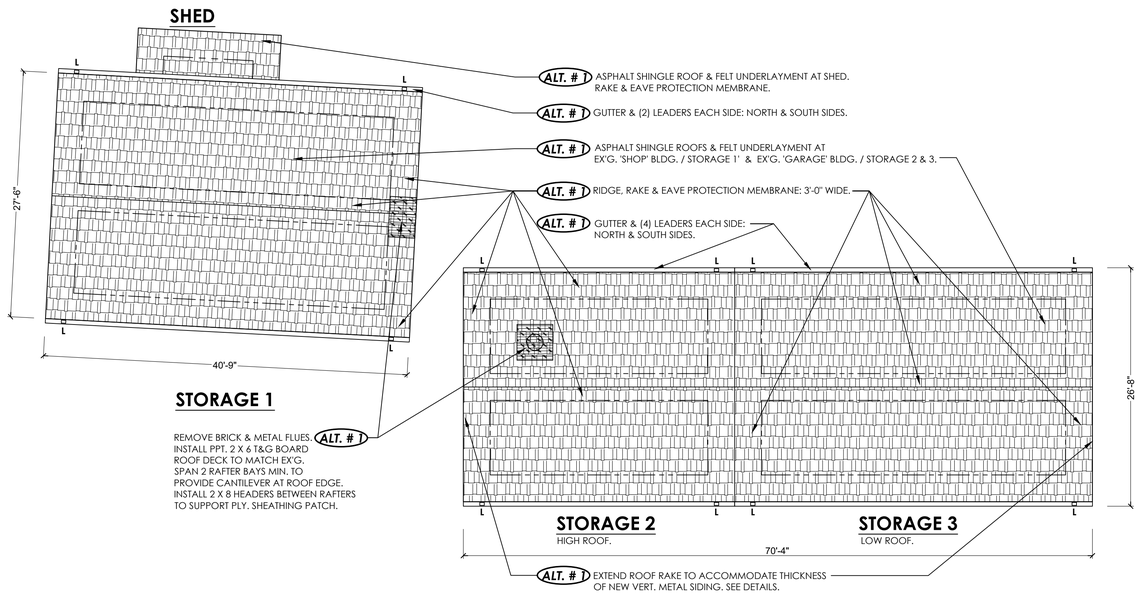
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DATE: 5 / 1 / 26

DPW FILE NO. 10-02-A-101 | REV. NO. 0

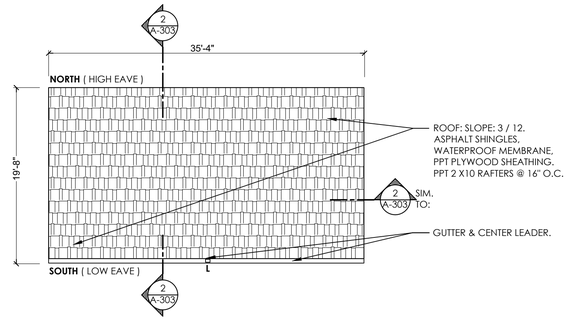
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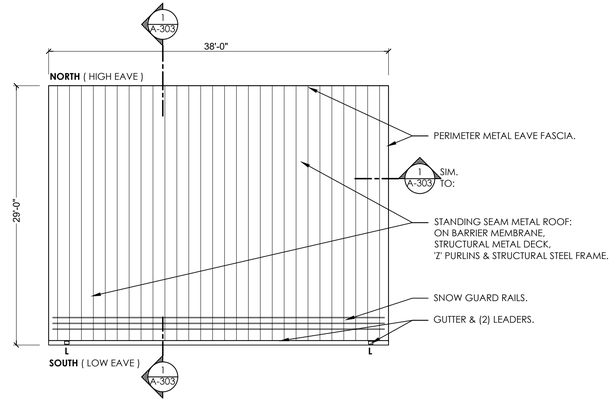
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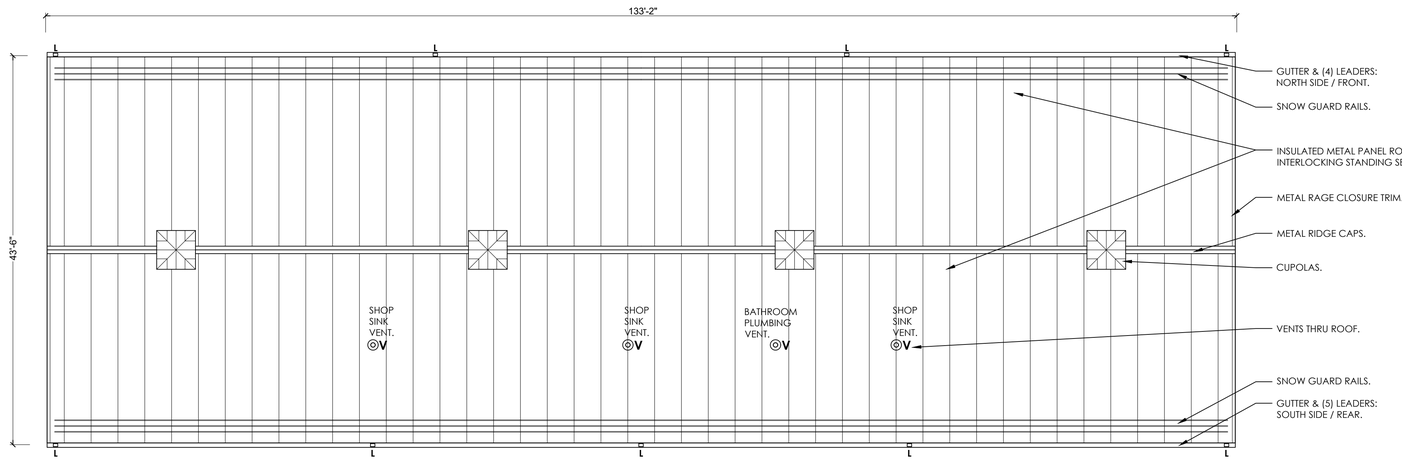
2 EX'G. BLDG.: STORAGE 1, 2 & 3 -- ROOF PLAN
1/8" = 1' - 0"



4 MATERIALS BINS - CANOPY ROOF PLAN
1/8" = 1' - 0"



3 WASH & FUEL STATIONS - CANOPY ROOF PLAN
1/8" = 1' - 0"



1 MAINTENANCE BUILDING -- ROOF PLAN
1/8" = 1' - 0"

N

ALT. # 1: ALTERNATE # 1:

ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE:
AT STORAGE BLDG'S.: 1, 2 & 3:
ROOFING WORK. GUTTERS & LEADERS.
CHIMNEY WORK.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER A-102

SHEET NO. 10 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE & STORAGE BLDG'S. -- ROOFS

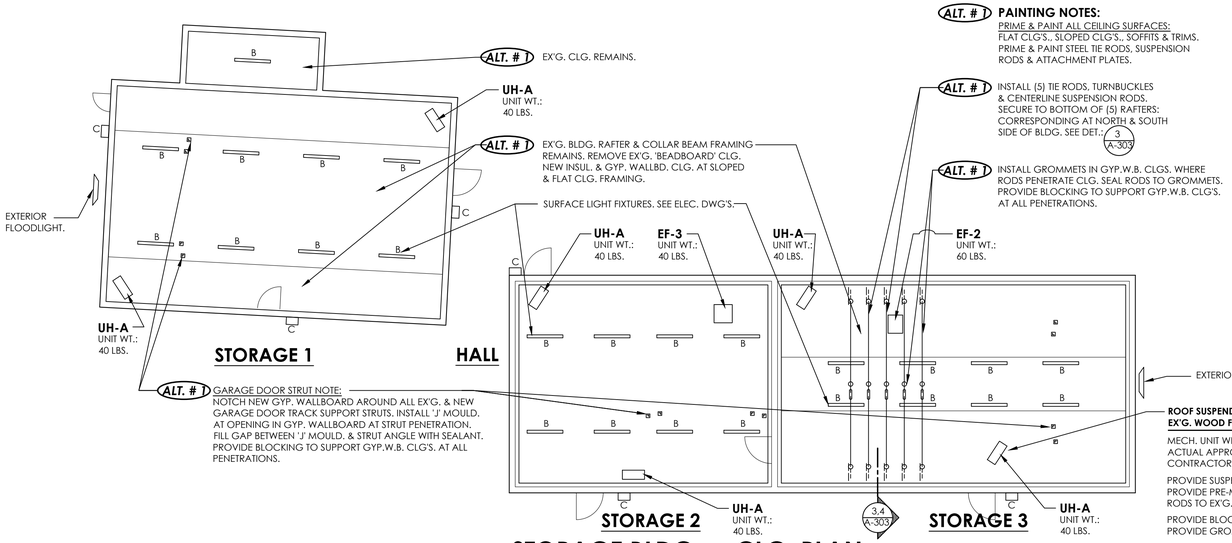
SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26

DPW FILE NO. 10-02-A-102 | REV. NO. 0

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ALT. # 1 **PAINTING NOTES:**
PRIME & PAINT ALL CEILING SURFACES:
FLAT CLG'S., SLOPED CLG'S., SOFFITS & TRIMS.
PRIME & PAINT STEEL TIE RODS, SUSPENSION
RODS & ATTACHMENT PLATES.

ALT. # 1 INSTALL (5) TIE RODS, TURNBUCKLES & CENTERLINE SUSPENSION RODS. SECURE TO BOTTOM OF (5) RAFTERS; CORRESPONDING AT NORTH & SOUTH SIDE OF BLDG. SEE DET.: 3 / A-303

ALT. # 1 INSTALL GROMMETS IN GYP.W.B. CLG'S. WHERE RODS PENETRATE CLG. SEAL RODS TO GROMMETS. PROVIDE BLOCKING TO SUPPORT GYP.W.B. CLG'S. AT ALL PENETRATIONS.

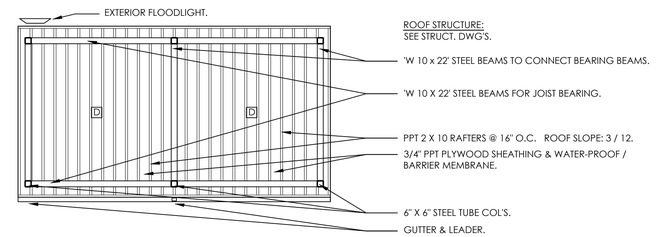
ROOF SUSPENDED MECH. EQUIP. NOTES:
EX'G. WOOD FRAMED BLDG'S:

MECH. UNIT WEIGHTS INDICATED ARE FOR EQUIP. SPECIFIED.
ACTUAL APPROVED UNITS & RESPECTIVE WEIGHTS MAY DIFFER.
CONTRACTOR SHALL CONFIRM WEIGHTS OF ALL EQUIP. TO BE INSTALLED.

PROVIDE SUSPENSION RODS AS RECOMMENDED BY THE EQUIP. MFR.
PROVIDE PRE-MFR'D. GALV. STEEL BRACKETS TO SECURE SUSPENSION
RODS TO EX'G. & NEW WOOD ROOF FRAMING MEMBERS.

PROVIDE BLOCKING & BRIDGING AT ALL BRACKETS FOR EQUIP. SUSPENSION.
PROVIDE GROMMETS AT GYP. WALLBD. WHERE SUSP. RODS PENETRATE CLG.

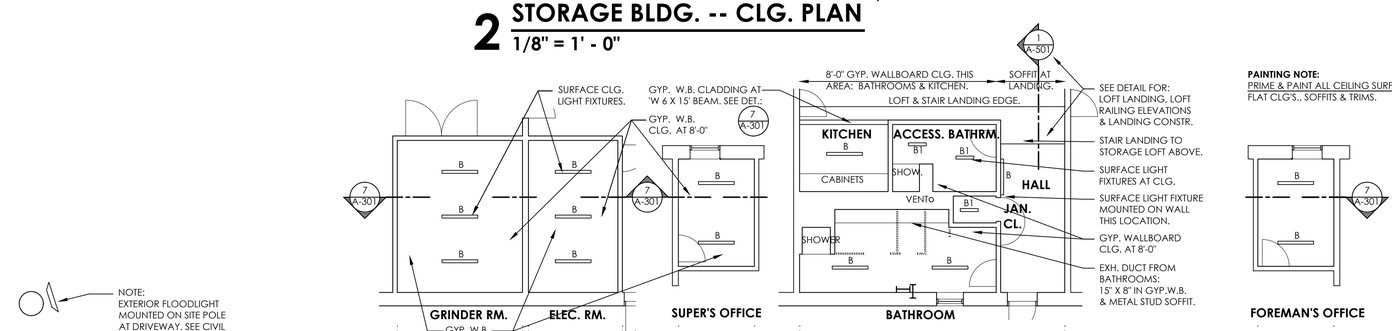
2 STORAGE BLDG. -- CLG. PLAN
1/8" = 1' - 0"



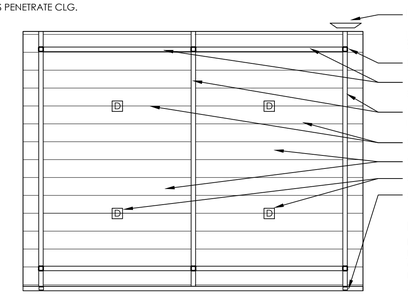
4 MATERIALS BINS -- CANOPY CLG. PLAN
1/8" = 1' - 0"

PAINTING NOTES:
PAINTING NOTE:
PRIME & PAINT ALL STRUCTURAL STEEL:
COLUMNS, BASE PLATES, BEAMS & BRACES.
ALL SURFACES SHALL BE PRIMED & FINISH PAINTED.

STAINED SURFACES:
STAIN THE FOLLOWING SURFACES:
UNDERSIDE OF PLY. ROOF SHEATHING, ALL JOISTS, BLOCKING,
SEATS & MISC. LUMBER. ALL 1 X TRIMS & FASCIAS.
APPLY 2 COATS STAIN FOR PROPER COVERAGE.



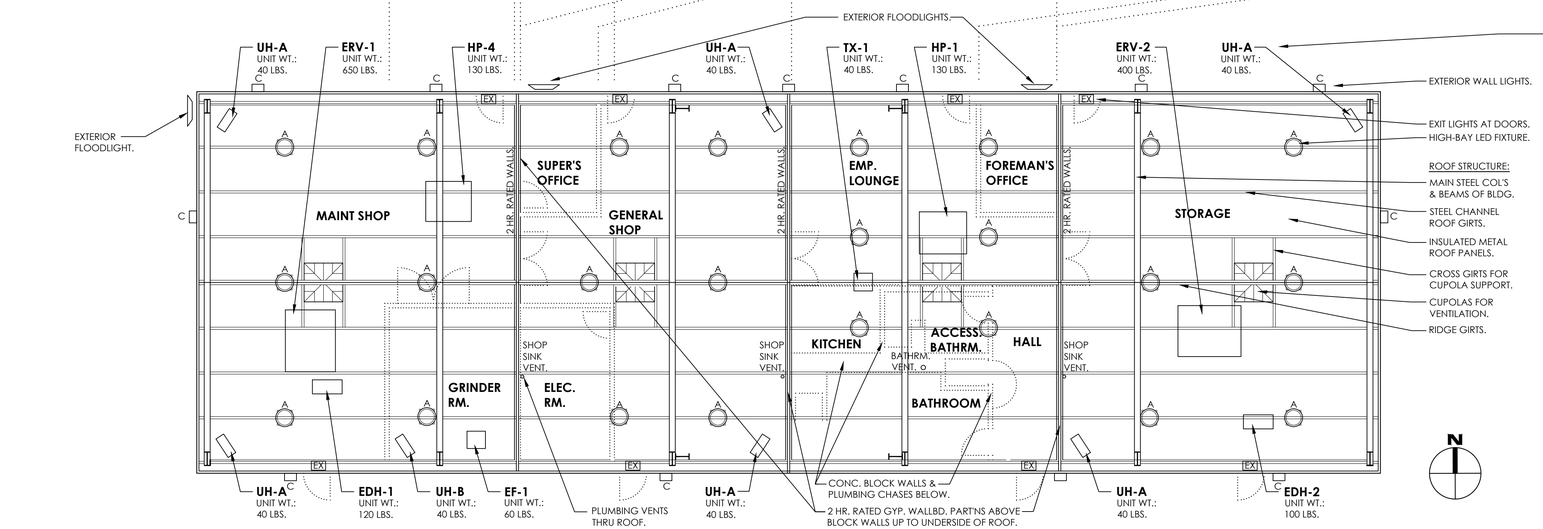
PAINTING NOTE:
PRIME & PAINT ALL CEILING SURFACES:
FLAT CLG'S., SOFFITS & TRIMS.



NOTE:
EXTERIOR FLOODLIGHT MOUNTED ON SITE POLE AT DRIVEWAY. SEE CIVIL & ELECTRICAL PLANS FOR LOCATION ON SITE.

3 WASH & FUEL STATIONS - CANOPY CLG. PLAN
1/8" = 1' - 0"

PAINTING NOTES:
PAINTING NOTE:
PRIME & PAINT ALL STRUCTURAL STEEL:
COLUMNS, BASE PLATES, BEAMS, BRACES,
UNDERSIDE OF METAL DECK.
ALL SURFACES SHALL BE PRIMED & FINISH PAINTED.



ROOF SUSPENDED MECH. EQUIP. NOTES:
NEW PRE-ENGINEERED STEEL BLDG.:

MECH. UNIT WEIGHTS INDICATED ARE FOR EQUIP. SPECIFIED.
ACTUAL APPROVED UNITS & RESPECTIVE WEIGHTS MAY DIFFER.
CONTRACTOR SHALL CONFIRM WEIGHTS OF ALL EQUIP. TO BE INSTALLED.

PROVIDE SUSPENSION RODS AS RECOMMENDED BY THE EQUIP. MFR.
PROVIDE PRE-MFR'D. GALV. STEEL BRACKETS TO SECURE SUSPENSION
RODS TO NEW STEEL PURLINS OF THE PRE-ENGINEERED MAINT. BLDG.

PROVIDE SUPPLEMENTAL PURLINS, GIRTS, BRIDGING & BRACING AT ALL BRACKETS & CONNECTIONS TO NEW ROOF & WALL STEEL COMPONENTS. SUPPLEMENTAL SUSPENSION SUPPORT STEEL FOR MECH. EQUIP. SHALL BE DESIGNED INTEGRAL WITH THE PRE-ENGINEERED STRUCTURAL BLDG. DESIGN.

SUPPLEMENTAL SUPPORT STEEL SHALL BE FURNISHED AS PART OF THE PRE-ENGINEERED BLDG. DESIGN & ASSEMBLY COMPONENTS.

ROOF STRUCTURE:
MAIN STEEL COL'S & BEAMS OF BLDG.
STEEL CHANNEL ROOF GIRTS.
INSULATED METAL ROOF PANELS.
CROSS GIRTS FOR CUPOLA SUPPORT.
CUPOLAS FOR VENTILATION.
RIDGE GIRTS.
EXTERIOR WALL LIGHTS.
EXIT LIGHTS AT DOORS.
HIGH-BAY LED FIXTURE.

N

1 MAINTENANCE BUILDING -- CEILING PLAN
1/8" = 1' - 0"

ALT. # 1 **ALTERNATE # 1:**
ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE:
AT STORAGE BLDG'S.: 1, 2 & 3:
INSULATION AT ROOFS, CLG. FINISHES, TIE RODS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

AS BUILT – CHANGES AS NOTED
AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER A-103
SHEET NO. 11 OF 65

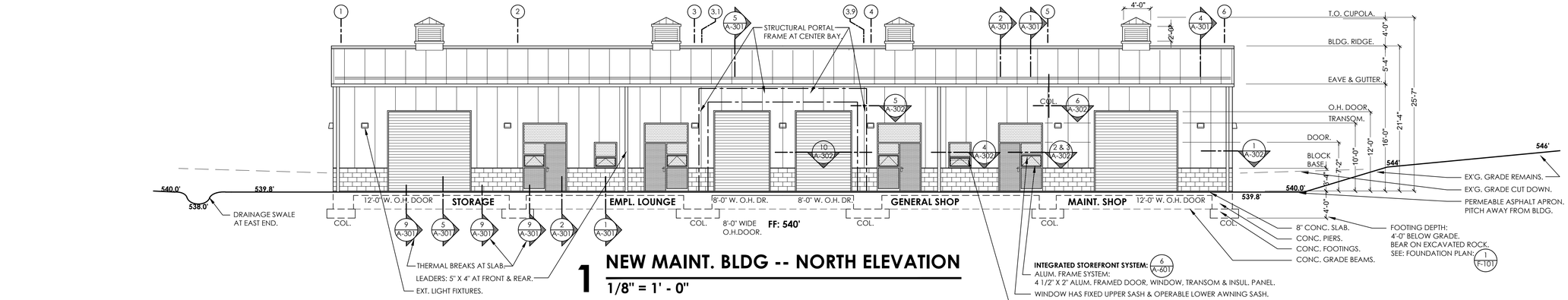
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE & STORAGE BLDG'S. - CEILINGS

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-103
REV. NO. 0

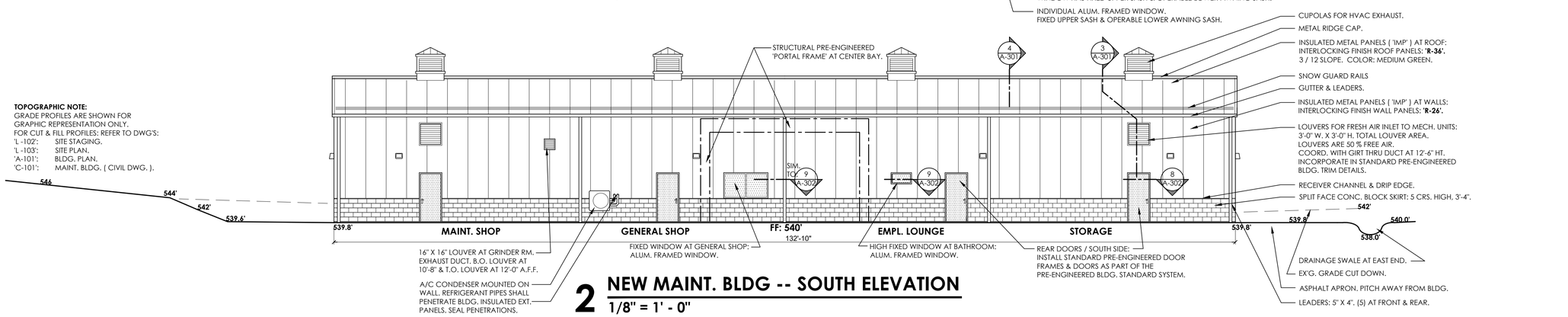
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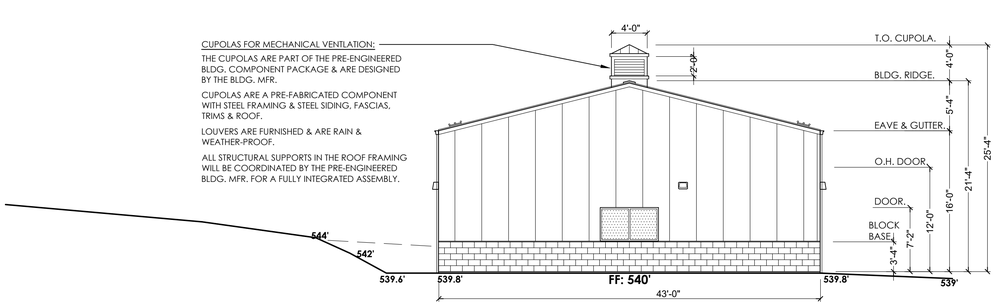


1 NEW MAINT. BLDG -- NORTH ELEVATION
1/8" = 1' - 0"

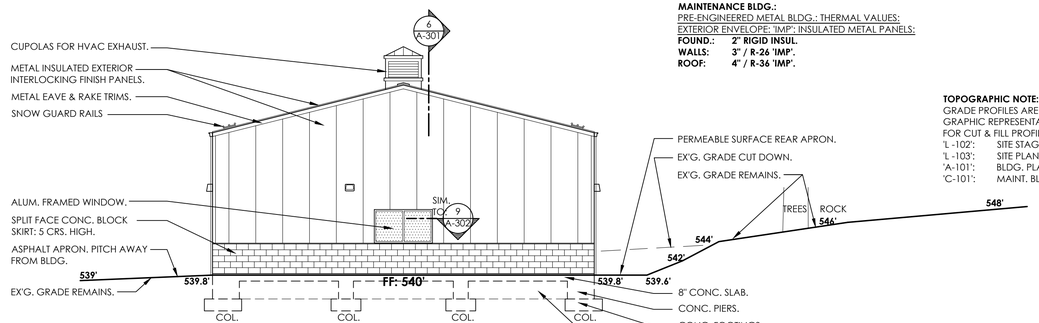


TOPOGRAPHIC NOTE:
GRADE PROFILES ARE SHOWN FOR GRAPHIC REPRESENTATION ONLY.
FOR CUT & FILL PROFILES: REFER TO DWG'S:
'L -102': SITE STAGING.
'L -103': SITE PLAN.
'A-101': BLDG. PLAN.
'C-101': MAINT. BLDG. (CIVIL DWG.).

2 NEW MAINT. BLDG -- SOUTH ELEVATION
1/8" = 1' - 0"



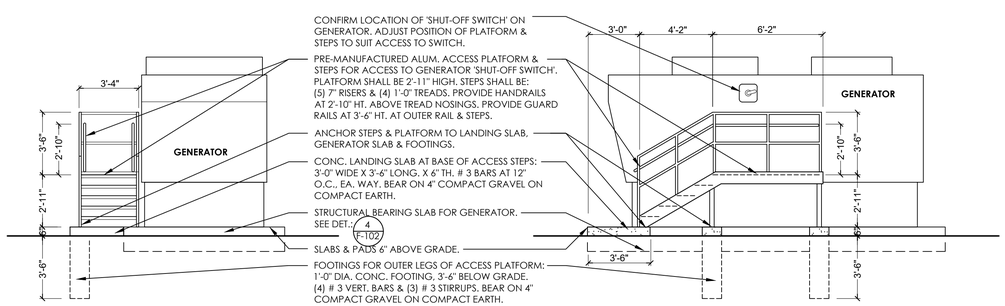
4 NEW MAINT. BLDG -- EAST ELEVATION
1/8" = 1' - 0"



MAINTENANCE BLDG.:
PRE-ENGINEERED METAL BLDG.: THERMAL VALUES:
EXTERIOR ENVELOPE: 'IMP': INSULATED METAL PANELS:
FOUND.: 2" RIGID INSUL.
WALLS: 3" / R-26 'IMP'.
ROOF: 4" / R-36 'IMP'.

TOPOGRAPHIC NOTE:
GRADE PROFILES ARE SHOWN FOR GRAPHIC REPRESENTATION ONLY.
FOR CUT & FILL PROFILES: REFER TO DWG'S:
'L -102': SITE STAGING.
'L -103': SITE PLAN.
'A-101': BLDG. PLAN.
'C-101': MAINT. BLDG. (CIVIL DWG.).

3 NEW MAINT. BLDG -- WEST ELEV.
1/8" = 1' - 0"



5 GENERATOR ACCESS PLATFORM
1/4" = 1' - 0"

PRE-ENGINEERED BLDG: PRE-FINISHED SURFACES:
THE FOLLOWING SURFACES ARE FACTORY PRE-FINISHED:
STANDING SEAM METAL ROOFING.
GUTTERS & LEADERS,
FASCIAS, TRIMS & FLASHINGS,
EXTERIOR SIDING PANELS,
ALUM. WINDOW SYSTEMS,
OVERHEAD COILING DOORS,
LOUVERS & PANELS,
CUPOLAS,
SKYLIGHTS.

PAINTING NOTE:
PRIME AND PAINT THE FOLLOWING ENTIRE SURFACES:
CONCRETE BLOCK WALLS.
GYP. WALLBOARD.
DOORS AND FRAMES.
PLYWOOD FLOORING SURFACES.
PRE-ENGINEERED BLDG. STRUCTURAL 'BENT' FRAMES.
STEEL STAIRS AND GUARDRAILS.

'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER A-201
SHEET NO. 12 OF 69

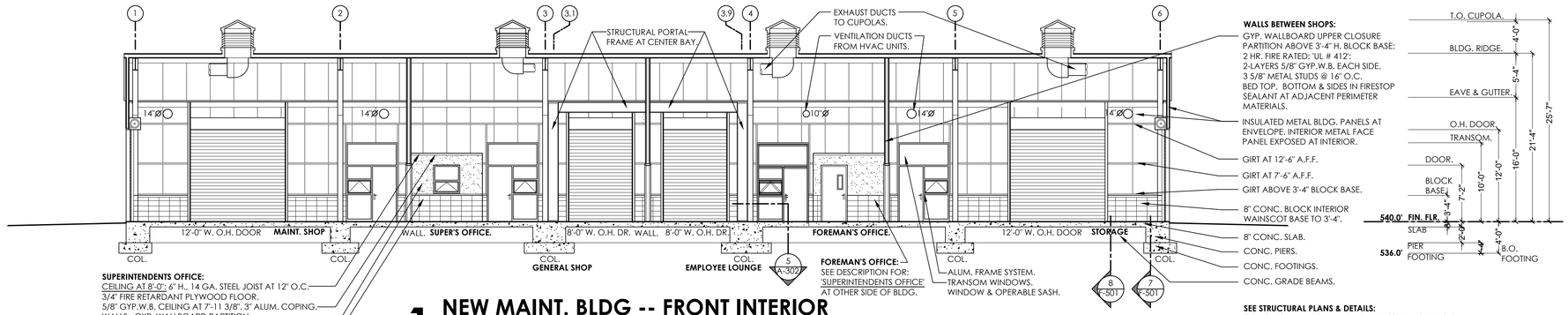
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE BLDG. -- EXTERIOR ELEVATIONS

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-104
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

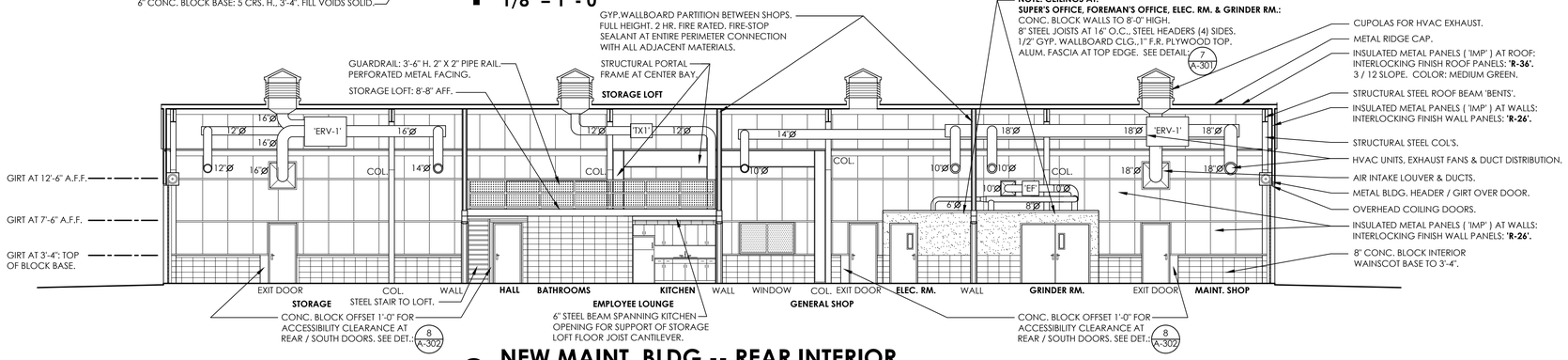
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WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.



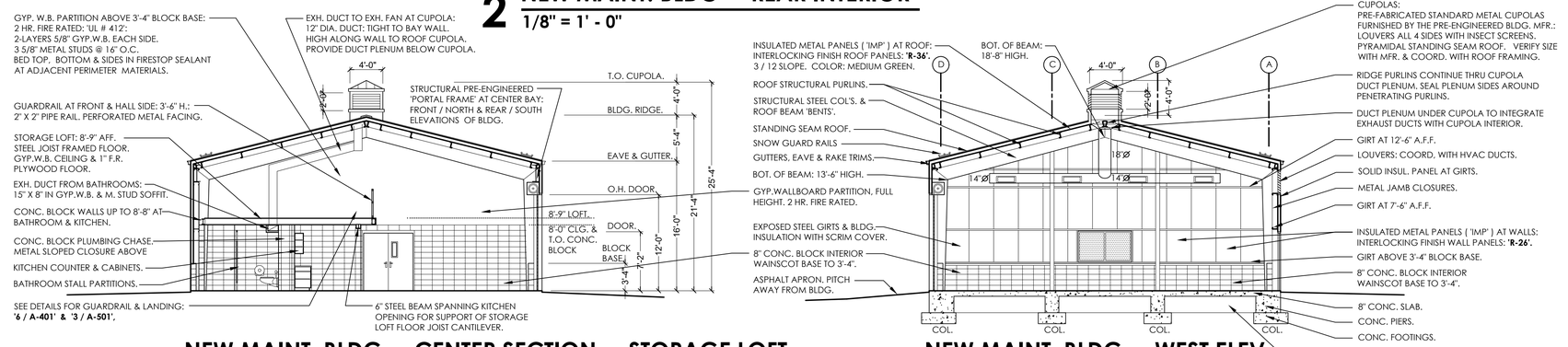
1 NEW MAINT. BLDG -- FRONT INTERIOR

1/8" = 1' - 0"



2 NEW MAINT. BLDG -- REAR INTERIOR

1/8" = 1' - 0"

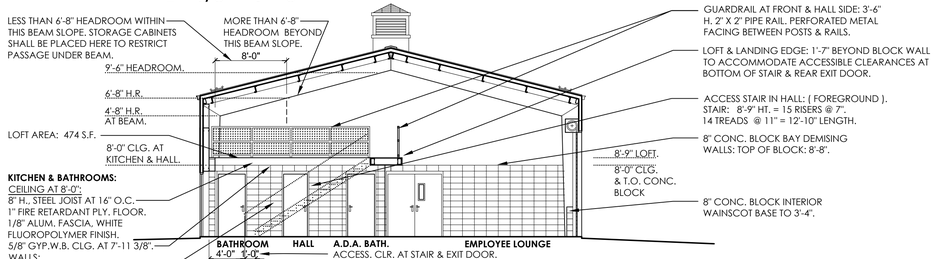


4 NEW MAINT. BLDG -- CENTER SECTION -- STORAGE LOFT

1/8" = 1' - 0"

3 NEW MAINT. BLDG -- WEST ELEV.

1/8" = 1' - 0"



5 NEW MAINT. BLDG -- CENTER ELEVATION -- STORAGE LOFT

1/8" = 1' - 0"

PRE-ENGINEERED BLDG: PRE-FINISHED SURFACES:
THE FOLLOWING SURFACES ARE FACTORY PRE-FINISHED:
STANDING SEAM METAL ROOFING.
GUTTERS & LEADERS.
FASCIAS, TRIMS & FLASHINGS,
EXTERIOR SIDING PANELS,
ALUM. WINDOW SYSTEMS,
OVERHEAD COILING DOORS,
LOUVERS & PANELS,
CUPOLAS,
SKYLIGHTS.

PAINTING NOTE:
PRIME AND PAINT THE FOLLOWING ENTIRE SURFACES:
CONCRETE BLOCK WALLS.
GYP. WALLBOARD.
DOORS AND FRAMES.
PLYWOOD FLOORING SURFACES.
PRE-ENGINEERED BLDG. STRUCTURAL 'BENT' FRAMES.
STEEL STAIRS AND GUARDRAILS.

'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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TITLE DATE

PROJECT COORDINATOR
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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER A-202
SHEET NO. 13 OF 69

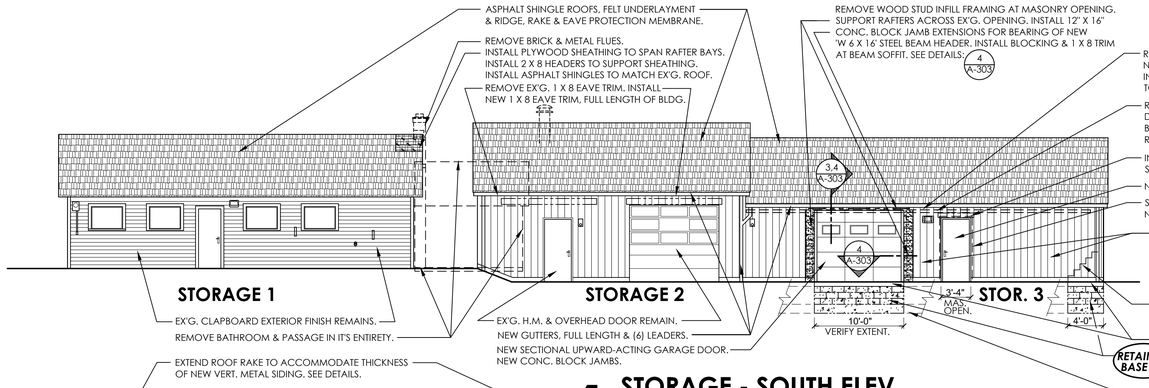
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE BLDG. - INTERIOR ELEVATIONS

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-105
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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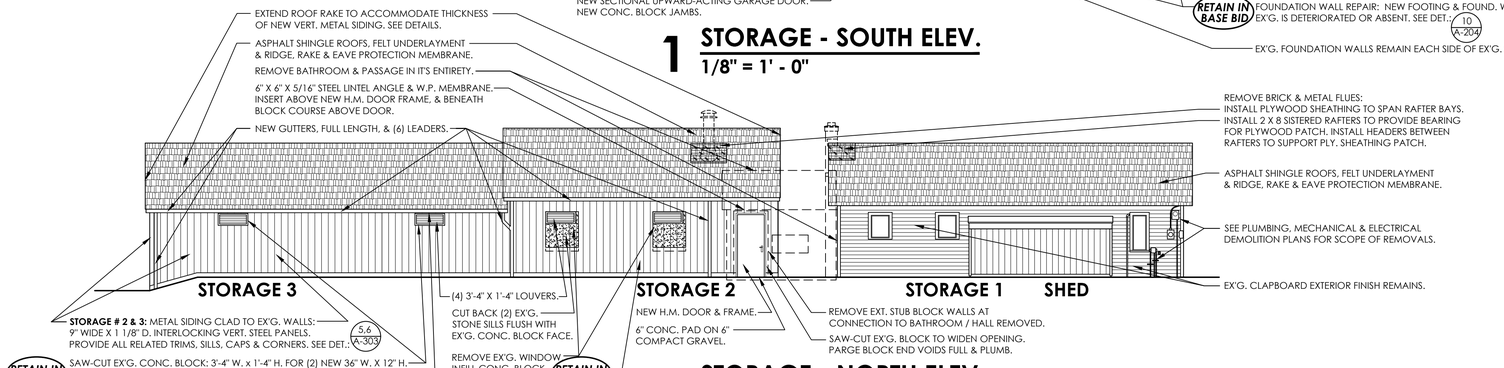
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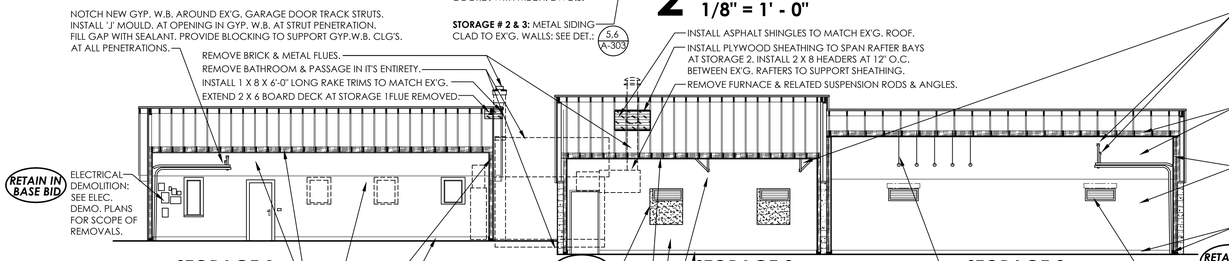
1 STORAGE - SOUTH ELEV.
1/8" = 1' - 0"

3 STOR. - EAST ELEV.
1/8" = 1' - 0"

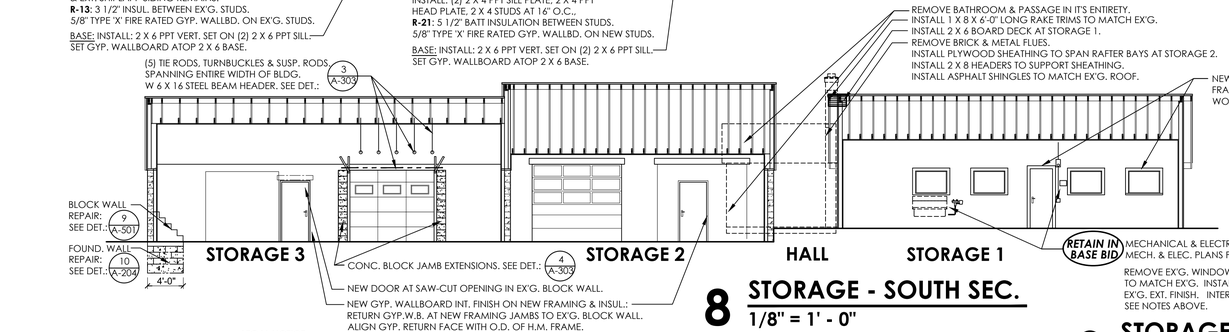
4 STOR. - EAST ELEV.
1/8" = 1' - 0"



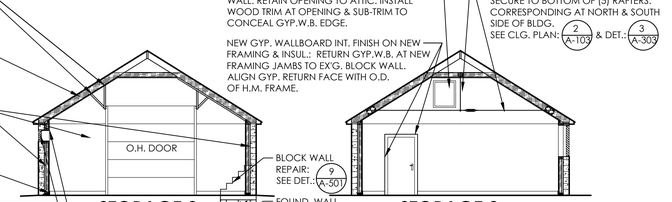
2 STORAGE - NORTH ELEV.
1/8" = 1' - 0"



7 STORAGE - NORTH SEC.
1/8" = 1' - 0"

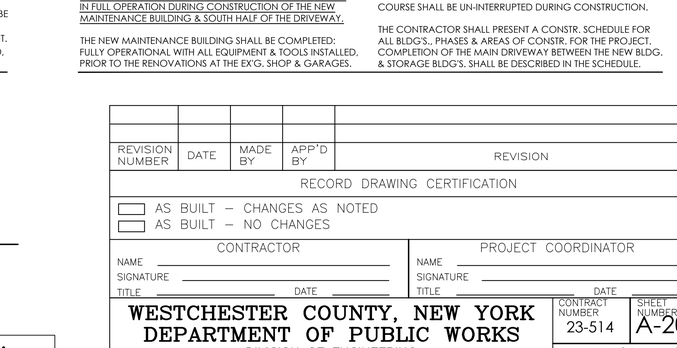


8 STORAGE - SOUTH SEC.
1/8" = 1' - 0"



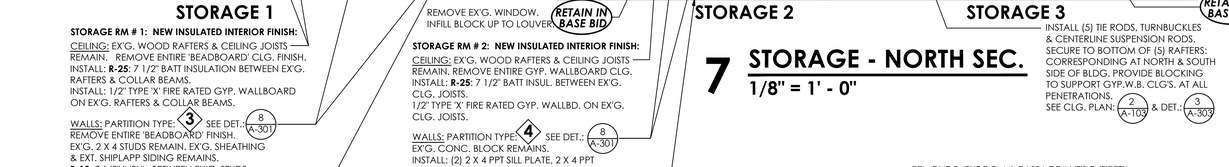
5 STOR. - WEST ELEV.
1/8" = 1' - 0"

6 STOR. - WEST ELEV.
1/8" = 1' - 0"



10 STOR. - EAST SEC.
1/8" = 1' - 0"

11 STOR. - WEST SEC.
1/8" = 1' - 0"



9 STORAGE - EAST SEC.
1/8" = 1' - 0"

PAINTING NOTE:

ALL NEW EXTERIOR TRIMS, EAVES, RAKES, SOFFITS & CLAPBOARD SHALL BE PRIMED, 2 COATS, ALL FACES, EDGES & ENDS PRIOR TO INSTALLATION.

ALL EX'G. EXTERIOR TRIMS, EAVES, RAKES, SOFFITS & CLAPBOARD SHALL BE PRIMED, 1 COAT, ALL EXPOSED FACES, EDGES & ENDS.

ALL EX'G. & NEW EXT. SURFACES SHALL RECEIVE 2 COATS OF FINISH PAINT.

ALL NEW INTERIOR GYP. WALLBOARD & RELATED TRIMS SHALL BE PRIMED, 1 COAT & SHALL RECEIVE 2 COATS OF FINISH PAINT.

CONSTRUCTION SCHEDULE: STORAGE 1 (EX'G. SHOP) & STORAGE 2 & 3 (EX'G. GARAGE):

THE EX'G. SHOP & GARAGES SHALL REMAIN UN-TOUCHED & IN FULL OPERATION DURING CONSTRUCTION OF THE NEW MAINTENANCE BUILDING & SOUTH HALF OF THE DRIVEWAY.

THE NEW MAINTENANCE BUILDING SHALL BE COMPLETED: FULLY OPERATIONAL WITH ALL EQUIPMENT & TOOLS INSTALLED, PRIOR TO THE RENOVATIONS AT THE EX'G. SHOP & GARAGES.

THE EX'G. SHOP OPERATIONS & MAINTENANCE OF THE GOLF COURSE SHALL BE UN-INTERRUPTED DURING CONSTRUCTION.

THE CONTRACTOR SHALL PRESENT A CONSTR. SCHEDULE FOR ALL BLDG'S., PHASES & AREAS OF CONSTR. FOR THE PROJECT. COMPLETION OF THE MAIN DRIVEWAY BETWEEN THE NEW BLDG. & STORAGE BLDG'S. SHALL BE DESCRIBED IN THE SCHEDULE.

ALT. # 1 ALTERNATE # 1:

ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE:
AT STORAGE BLDG'S.: 1, 2 & 3: EXT. SIDING REPAIRS. EXT. METAL CLADDING. ROOFING. H.M. DOORS. O.H. DOORS, TIE RODS & INT. FINISHES. BATHRM. DEMO.

NOTE: ALL WORK THIS SHEET IS: ALTERNATE # 1 **EXCEPT WHERE NOTED:** RETAIN IN BASE BID

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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☐ AS BUILT – NO CHANGES

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER A-203
SHEET NO. 14 OF 69

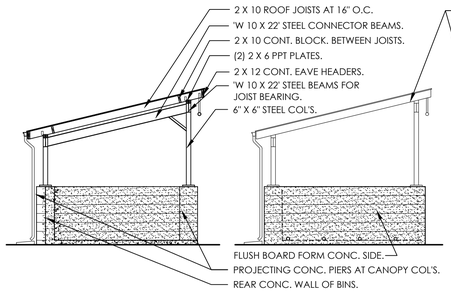
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
STORAGE BLDG'S. - EXTERIOR & INTERIOR ELEV.

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-106
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
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MADE BY JOHN LEVY

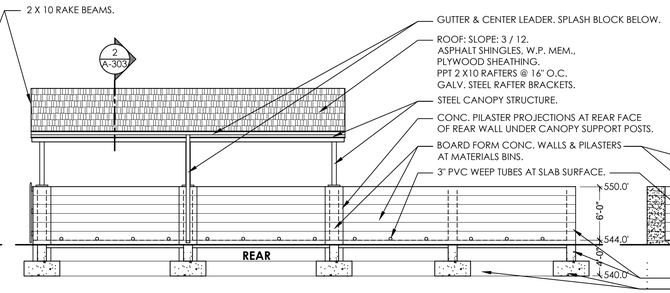
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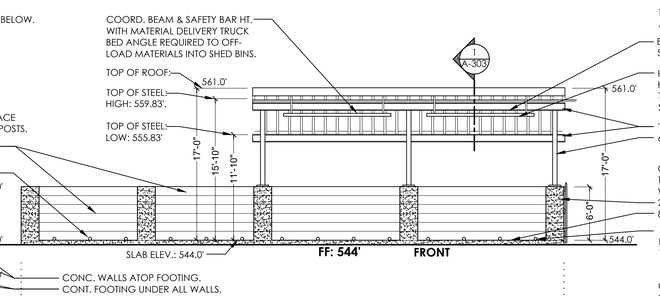


5 SECTION
1/8" = 1' - 0"

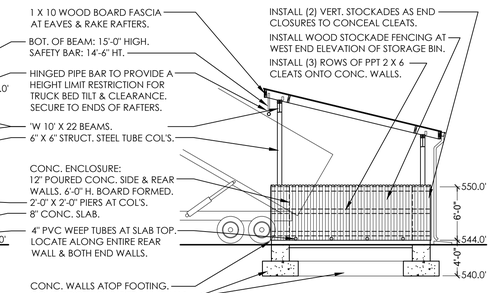
4 EAST ELEV.
1/8" = 1' - 0"



3 MATERIALS BINS - SOUTH ELEV.
1/8" = 1' - 0"



2 MATERIALS BINS - NORTH ELEV.
1/8" = 1' - 0"



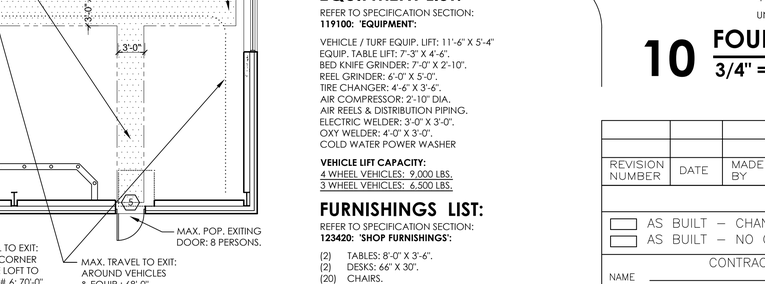
SEE STRUCTURAL PLANS & DETAILS:
CONC. FOUNDATION: DET.: '3 / F-102', '16 & 17 / F-501'.
STEEL FRAMING: DET.: '2 / S-102', '2, 4 & 5 / S-501'.

6 WEST ELEV.
1/8" = 1' - 0"

SEE STRUCTURAL PLANS & DETAILS:
CONC. FOUNDATION: DET.: '1 & 2 / F-102', '10, 11 & 18 / F-501'.
STEEL FRAMING: DET.: '1 / S-102', '2 & 3 / S-501'.

7 WASH & FUEL STATION - NORTH ELEV.
1/8" = 1' - 0"

8 WASH & FUEL STATION - WEST ELEV.
1/8" = 1' - 0"



1 MATERIALS BINS - PLAN
1/8" = 1' - 0"

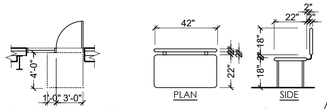
PAINTING NOTES:

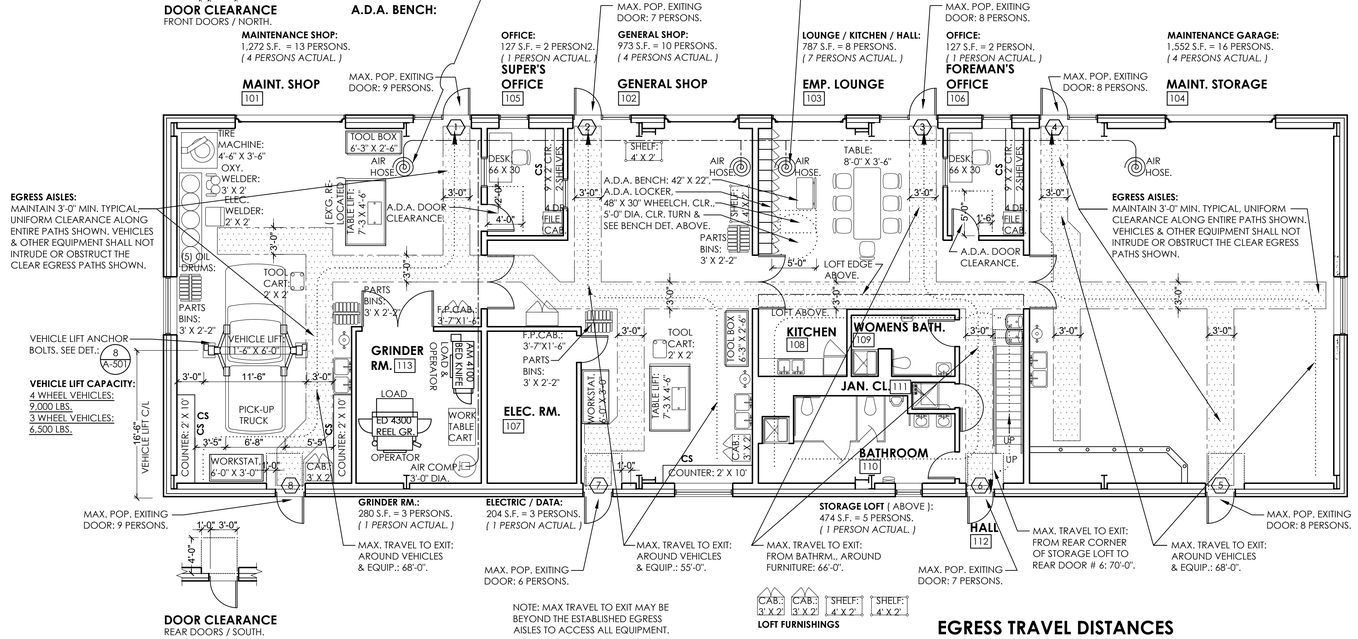
PAINTED SURFACES:
PRIME AND PAINT THE FOLLOWING SURFACES:
STRUCTURAL STEEL FRAMING, BASES & BRACES, SAFETY BAR: 2 COATS PRIMER, 2 COATS FINISH.

STAINED SURFACES:
STAIN THE FOLLOWING SURFACES:
UNDERSIDE OF PLY. ROOF SHEATHING.
ALL JOISTS, BLOCKING, SEATS & MISC. LUMBER.
ALL 1 X TRIMS & FASCIAS.
APPLY 2 COATS STAIN FOR PROPER COVERAGE.

PRE-FINISHED SURFACES:
THE FOLLOWING ARE FACTORY PRE-FINISHED:
STANDING SEAM ROOF PANELS, GUTTERS & LEADERS.

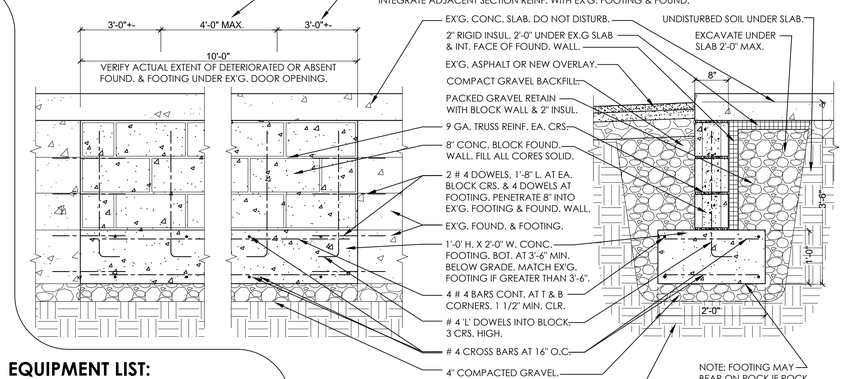
NATURAL SURFACES / SEALED:
THE FOLLOWING SURFACES ARE UN-FINISHED:
CONC. BIN WALLS, SLAB & PILASTERS; BOARD FORM. SEAL ALL CONC. SURFACES WITH PENETRATING TOPICAL SEALERS, 2 COATS.







9 FURNISHING & EQUIP. PLAN
1/8" = 1' - 0"



10 FOUNDATION REPAIRS - STORAGE # 3
3/4" = 1' - 0"

EQUIPMENT LIST:

REFER TO SPECIFICATION SECTION:
119100: 'EQUIPMENT':

VEHICLE / TURF EQUIP. LIFT: 11'-6" X 5'-4"
EQUIP. TABLE LIFT: 7'-3" X 4'-6".
BED KNIFE GRINDER: 7'-0" X 2'-10".
REEL GRINDER: 6'-0" X 5'-0".
TIRE CHANGER: 4'-6" X 3'-6".
AIR COMPRESSOR: 2'-10" DIA.
AIR REELS & DISTRIBUTION PIPING.
ELECTRIC WELDER: 3'-0" X 3'-0".
OXY WELDER: 4'-0" X 3'-0".
COLD WATER POWER WASHER

VEHICLE LIFT CAPACITY:
4 WHEEL VEHICLES: 9,000 LBS.
3 WHEEL VEHICLES: 6,500 LBS.

FURNISHINGS LIST:

REFER TO SPECIFICATION SECTION:
123420: 'SHOP FURNISHINGS':

(2) TABLES: 8'-0" X 3'-6".
(2) DESKS: 66" X 30".
(20) CHAIRS.
(4) STORAGE CABINETS: 36" X 24".
(2) FIRE-PROOF CABINETS: 43" X 18".
(4) MOBILE PARTS BINS: 36" X 26".
(4) OPEN SHELVES: 48" X 24.
(2) WORK STATIONS: 6'-0" X 3'-0".
(2) MOBILE TOOL BOXES: 6'-3" X 2'-6".
(2) MOBILE TOOL CARTS: 22" X 16".
(4) 4 DR. FILE CABINETS: 15" X 24".

'ALTERNATE' NOTE:
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CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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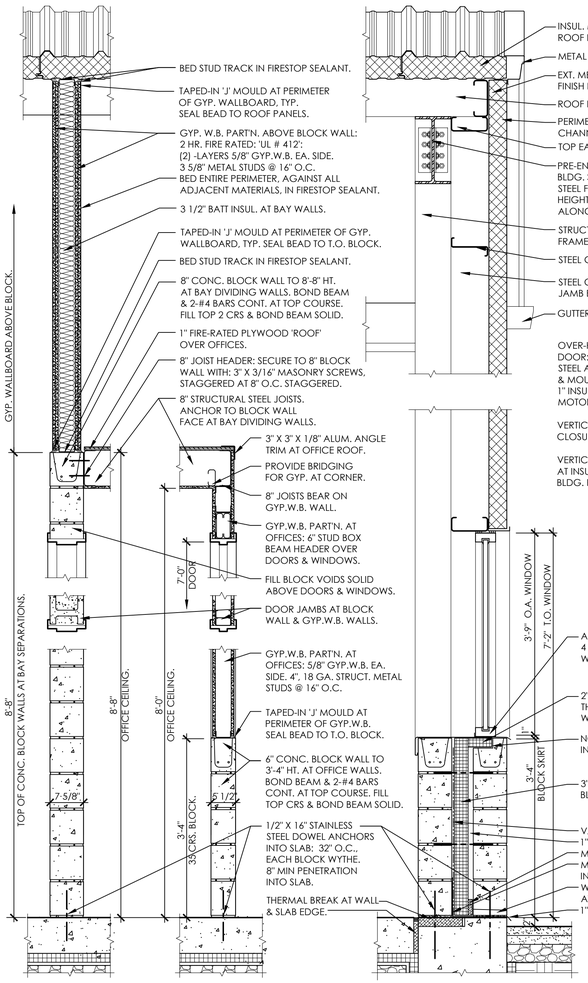
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER A-204
SHEET NO. 15 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MATERIALS STOR. BINS , WASH / FUEL STATION

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-107
REV. NO. 0



BAY DIVIDING WALLS: TYPE (1) PART'N.

INT. ROOM WALLS: TYPE (2) PART'N.

BLDG. END FRAME: EAST & WEST WALLS

7 INTERIOR PARTITIONS
3/4" = 1' - 0"

6 WALL & WINDOW
3/4" = 1' - 0"

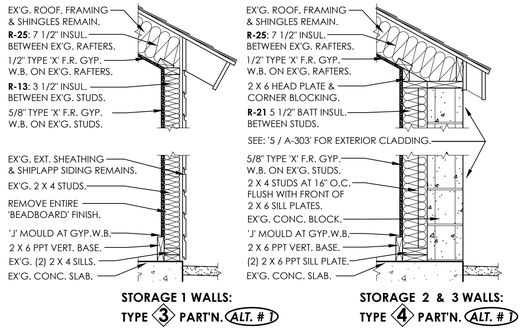
5 O.H. DOOR & PORTAL FRAME
3/4" = 1' - 0"

4 TYP. EXT. WALL
3/4" = 1' - 0"

3 DOOR & LOUVER
3/4" = 1' - 0"

2 ALUM. DOOR
3/4" = 1' - 0"

1 GRADE BEAM
3/4" = 1' - 0"



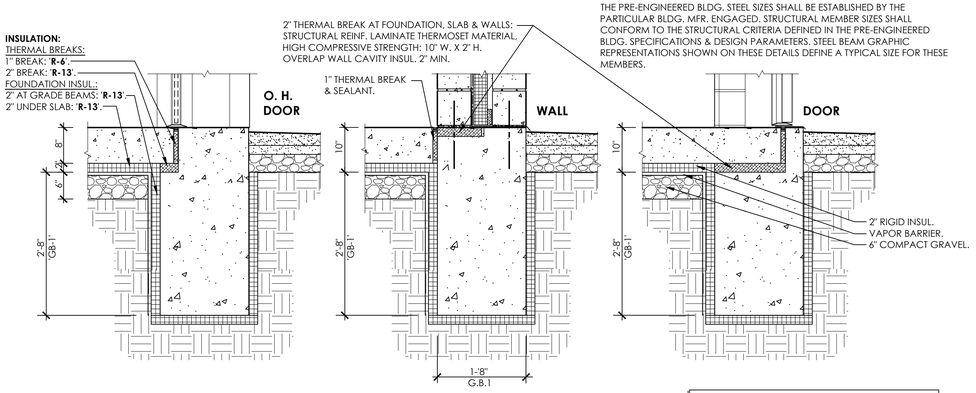
STORAGE 1 WALLS: TYPE (3) PART'N. (ALT. #)

STORAGE 2 & 3 WALLS: TYPE (4) PART'N. (ALT. #)

8 STORAGE BLDG'S.: PARTITIONS (ALT. #)
3/4" = 1' - 0"

INSULATION:
THERMAL BREAKS:
1" BREAK: 'R-6'.
2" BREAK: 'R-13'.
FOUNDATION INSUL.:
2" AT GRADE BEAMS: 'R-13'.
2" UNDER SLAB: 'R-13'.

BLDG. FRAME STRUCTURAL NOTES:
THE PRE-ENGINEERED BLDG. STEEL SIZES SHALL BE ESTABLISHED BY THE PARTICULAR BLDG. MFR. ENGAGED. STRUCTURAL MEMBER SIZES SHALL CONFORM TO THE STRUCTURAL CRITERIA DEFINED IN THE PRE-ENGINEERED BLDG. SPECIFICATIONS & DESIGN PARAMETERS. STEEL BEAM GRAPHIC REPRESENTATIONS SHOWN ON THESE DETAILS DEFINE A TYPICAL SIZE FOR THESE MEMBERS.



9 THERMAL BREAKS AT FOUND. WALLS
3/4" = 1' - 0"

(ALT. # 1) ALTERNATE # 1:
ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE:
AT STORAGE BLDG'S.: 1, 2 & 3:
INTERIOR FURRING, INSULATION & FINISHES.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

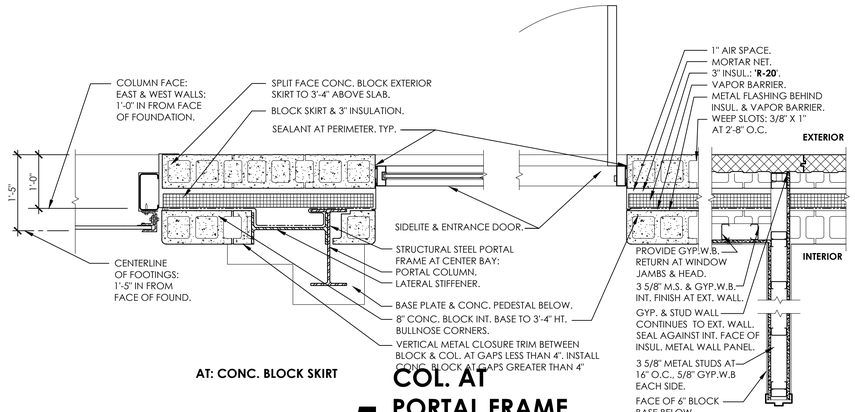
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINT. BLDG. -- WALL SECTIONS - DETAILS

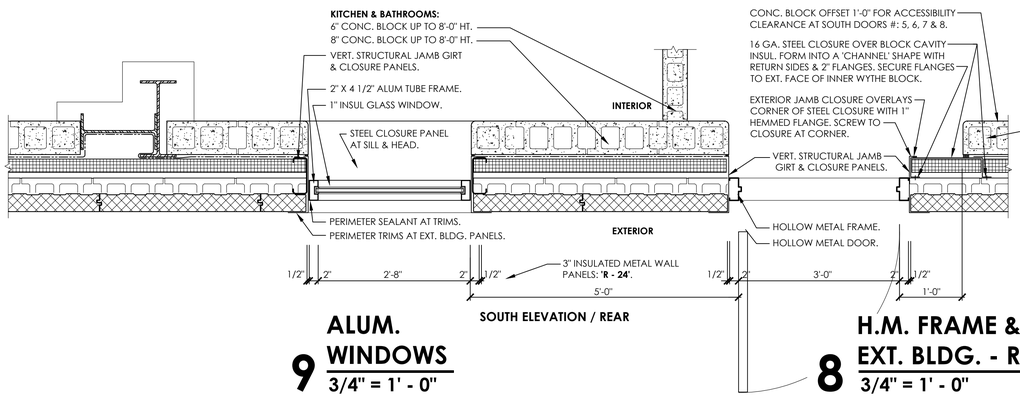
CONTRACT NUMBER: 23-514
SHEET NUMBER: A-301
SHEET NO. 16 OF 69
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DATE: 5 / 1 / 26
DPW FILE NO.: 10-02-A-108
REV. NO.: 0

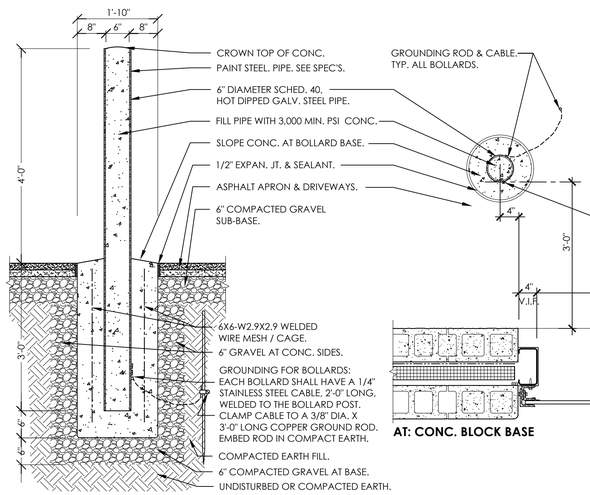
IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

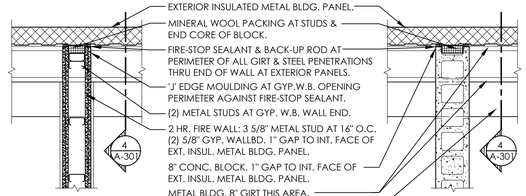
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12 FIRE SEAL AT EXT. WALLS.
3/4" = 1' - 0"

PRE-ENGINEERED BLDG.: STEEL COMPONENT NOTES:

1. THE PRE-ENGINEERED BLDG. STEEL SIZES SHALL BE ESTABLISHED BY THE PARTICULAR BLDG. MFR. ENGAGED TO DESIGN THE BLDG. ASSEMBLY.
2. STRUCTURAL MEMBER SIZES SHALL CONFORM TO THE STRUCTURAL LOADING CRITERIA DEFINED IN THE PRE-ENGINEERED BLDG. SPECIFICATIONS & THE DIMENSIONS & SPANS DESCRIBED IN THE DWG'S.
3. STRUCTURAL MEMBER SIZES SHALL BE DESIGNED & GOVERNED BY ALL APPLICABLE CODE COMPLIANCE CRITERIA.
4. STRUCTURAL STEEL DESIGN FOR THE BLDG. SHALL BE COMPREHENSIVELY PRESENTED IN THE BLDG. SHOP DWG'S. IDENTIFYING LOADS, REACTIONS, DIMENSIONS, STRUCTURAL MEMBER SIZES & ALL CONNECTIONS & FASTENERS.
5. STEEL BEAM GRAPHIC REPRESENTATIONS SHOWN ON THESE DETAILS PRESENT A TYPICAL SIZE FOR THESE MEMBERS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER A-302
SHEET NO. 17 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINT. BLDG. -- PLAN SECTIONS - DETAILS

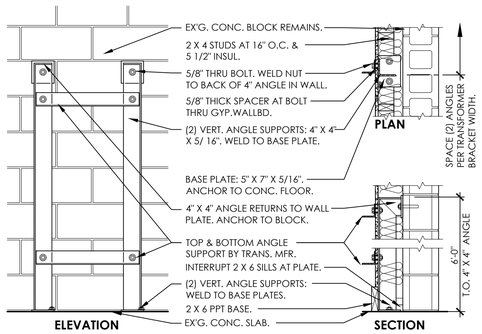
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DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-109
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CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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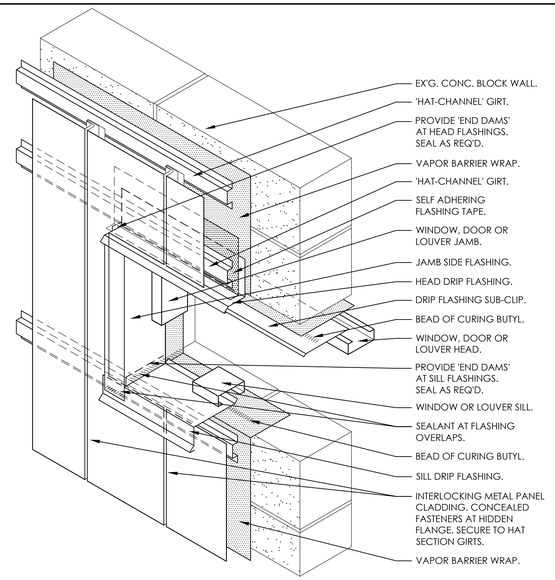
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'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.

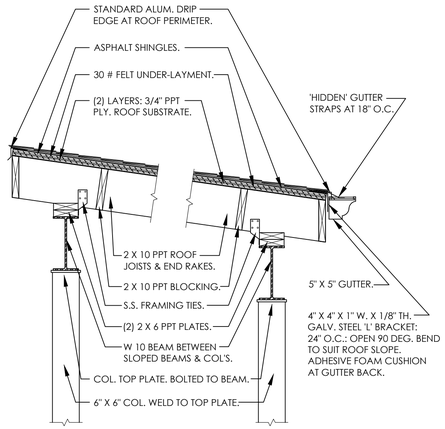


WALL TRANSFORMER: STORAGE 2

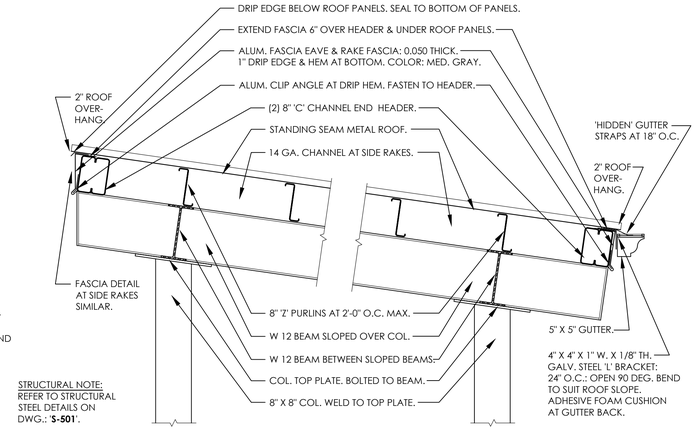
7 STEEL SUPPORT
3/4" = 1' - 0"



6 CLADDING DETAIL AT OPENINGS (ALT. #)
1 1/2" = 1' - 0"



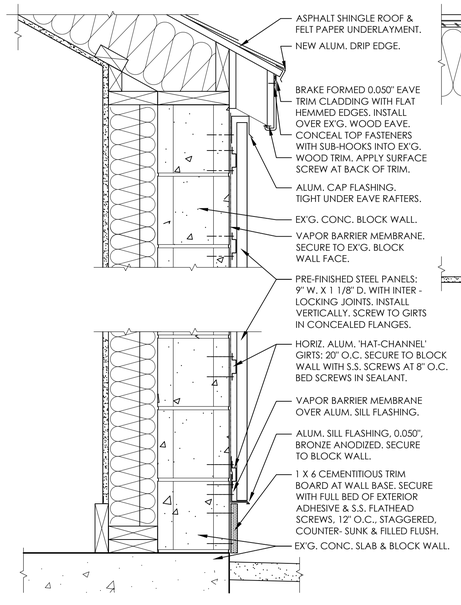
2 MATERIAL BINS - ROOF SEC.
3/4" = 1'-0"



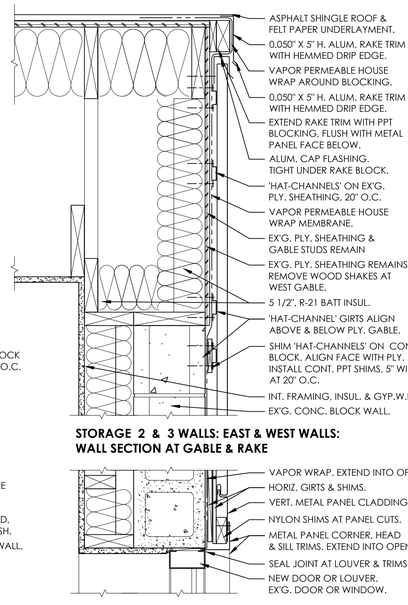
STRUCTURAL NOTE:
REFER TO STRUCTURAL STEEL DETAILS ON DWG.: '**S-501**'.

METAL COMPATIBILITY NOTE:
APPLY A STRIP OF ISOLATION MEMBRANE TO SEPARATE STEEL STRUCTURE FROM ALUM. CLIP ANGLES & FASCIAS.

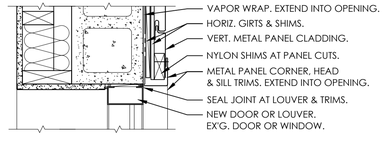
1 WASH & FUEL STATION - ROOF SEC.
3/4" = 1'-0"



STORAGE 2 & 3: NORTH & SOUTH WALLS: (ALT. #)
WALL SECTION AT EAVES

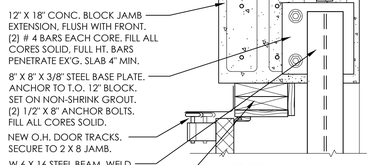


STORAGE 2 & 3 WALLS: EAST & WEST WALLS:
WALL SECTION AT GABLE & RAKE

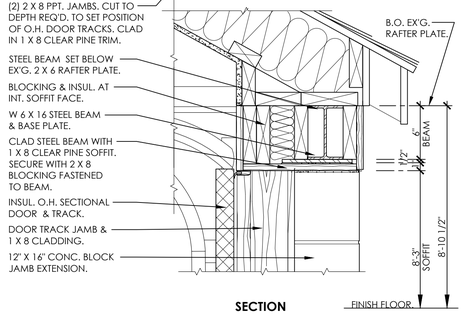


STORAGE 2 & 3: (ALT. #)
PLAN SECTION AT CORNER TRIM

5 STORAGE BLDG'S. - CLADDING (ALT. #)
1 1/2" = 1' - 0"

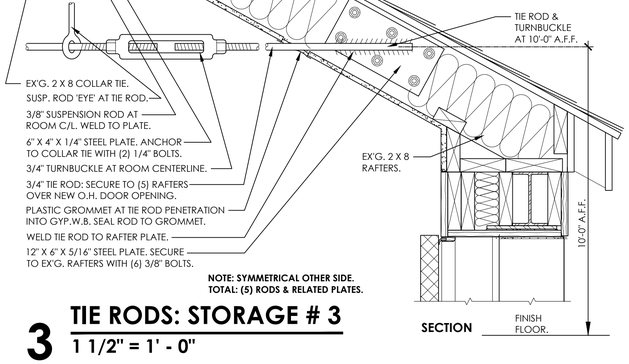


PLAN



SECTION

4 HEADER AT STORAGE # 3 (ALT. #)
1 1/2" = 1' - 0"



NOTE: SYMMETRICAL OTHER SIDE.
TOTAL: (5) RODS & RELATED PLATES.

SECTION

3 TIE RODS: STORAGE # 3
1 1/2" = 1' - 0"

(ALT. #) ALTERNATE # 1:

ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE:
AT STORAGE BLDG'S.: 1, 2 & 3:
INTERIOR FURRING & FINISHES, EXT. METAL CLADDING. TIE-RODS, TURNBUCKLES & RELATED COMPONENTS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER A-303
SHEET NO. 18 OF 69

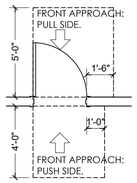
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SECTIONS & DETAILS

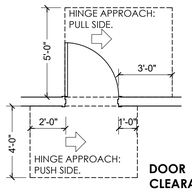
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DATE: 5 / 1 / 26
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REV. NO. 0

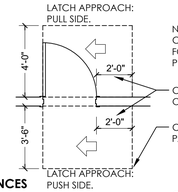
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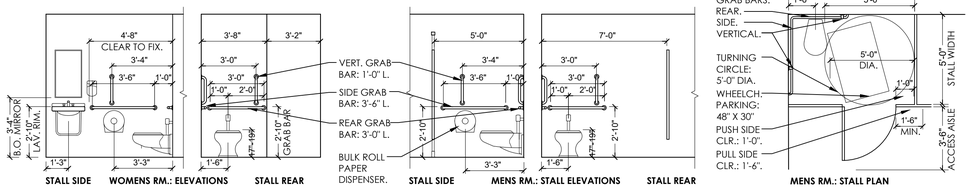


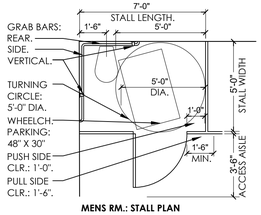
NOTE:
CLEARANCES SHOWN FOR LATCH & CLOSER PROVIDED.

CLEAR SPACE TO LATCH OR HINGE SIDE OF DOOR.

CLEAR SPACE INTO PASSAGE ROUTE.

DOOR CLEARANCES





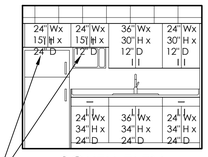
NOTES: TOILET STALL GRAB BARS:
REAR & SIDE BARS MAY BE A 1-PIECE 'L' UNIT.
MAX. HT. FOR ACCESSORIES: HAND DRIERS, SOAP & PAPER TOWEL DISPENSERS: 4'-0" MAX. HT. TO OPERATING HANDLES.

8 ACCESSIBILITY CRITERIA
1/4" = 1' - 0"

APPLIANCES:

REFRIGERATOR:
2'-6" WIDE X 2'-6" DEEP X 5'-6" HIGH.
FRIDGE & FREEZE ABOVE.
ENAMELED STEEL.

MICROWAVE:
1,100 WATT, UNDER-CABINET MOUNT.

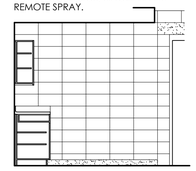


SOUTH ELEV.

PLUMBING NOTES:

SINK:
2 COMPARTMENT: DEEP BASIN, STAINLESS STEEL.
INTEGRATED WITH S.S. COUNTER-TOP.

FAUCET:
HIGH GOOSENECK, SINGLE LEVER.
REMOTE SPRAY.



WEST ELEV.

CUSTOM SIZE CABINETS:
ACCOMMODATE WIDTH & HT. OF MICROWAVE & FRIDGE.

KITCHEN NOTES:

KITCHEN CABINETS:
STAINLESS STEEL CONSTR: 304 S.S., # 4 BRUSHED.

DRAWERS:
FULL S.S. CONSTRUCTION.
FULL EXTENSION GLIDES.

HANDLES:
4" X 1/4" S.S. LOOP PULLS.

SHELVES:
(2) IN UPPER CABINETS.
(2) IN BASE CABINETS.

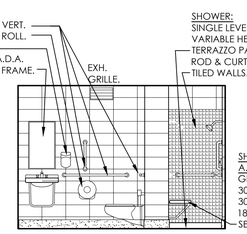
COUNTER-TOP:
STAINLESS STEEL CONST: 304 S.S., # 4 BRUSHED.
BULLNOSE FRONT EDGE.
6" SPLASH: BACK & SIDES.

4 KITCHEN
1/4" = 1' - 0"

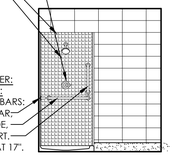
ACCESSORIES:
GRAB BARS:
42" SIDE, 36" REAR, 18" VERT.
TOILET PAPER: JUMBO ROLL.
SOAP DISPENSER.
MIRROR: 1'-6" X 3'-0", A.D.A.
TEMPERED GLASS, S.S. FRAME.



EAST ELEV.

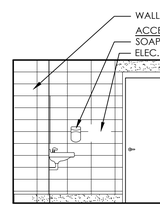


SOUTH ELEV.

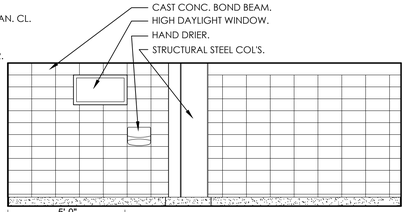


WEST ELEV.

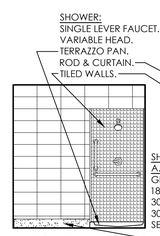
3 WOMENS BATHROOM
1/4" = 1' - 0"



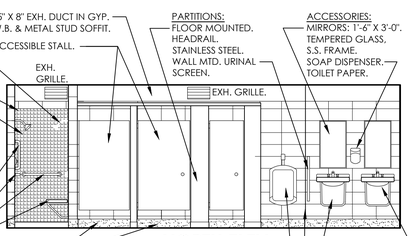
EAST ELEV.



SOUTH ELEV.

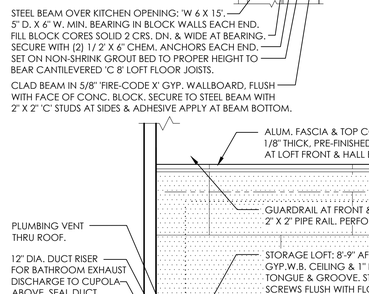


WEST ELEV.



NORTH ELEV.

2 MENS BATHROOM
1/4" = 1' - 0"



LOFT GUARDRAIL: 2' X 2" X 1/8" WALL STEEL TUBE. FULLY WELDED INTERSECTIONS, GRIND SMOOTH. 6" X 6" X 5/16" BASE PLATE: (4) 1/2" BOLTS INTO STRUCTURAL STEEL IN LOFT FLOOR.

GUARDRAIL CLOSURE PANELS: PERFORATED STEEL PANELS: 16" GA; 3/4" SQUARE HOLES, 1" O.C. TACK WELD TO INSIDE FACE OF STEEL TUBE RAILING, CONCEAL BUTT JOINTS IN PERF. PANELS AT CENTER OF 2" TUBE POST INSIDE FACE ONLY.

STAIR GUARDRAIL: 3'-6" H.; 1 1/2" NOM. (1.66") SCHED. 40 STEEL PIPE. PROVIDE POSTS & MID-RAIL AS SHOWN. COPE ALL CONNECTIONS. WELD & GRIND SMOOTH. WELD POSTS TO HALL SIDE STRINGER TOP FLANGE.

HANDRAIL: 3'-0" H, 1 1/2" NOM. (1.66") SCHED. 40 STEEL PIPE. WELD TO 1/2" DIA. BENT RODS AS BRACKETS. WELD BRACKETS TO RAILING POSTS.

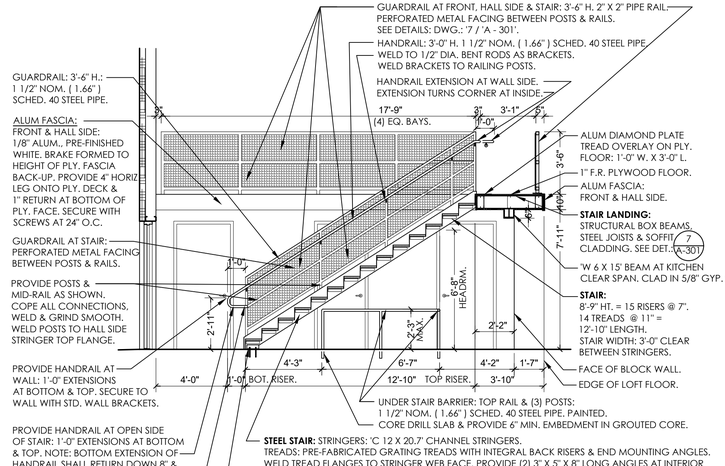
STAIR TOP TREAD: PRE-FABRICATED 11" DEEP X 1/4" THICK X 3'-0" WIDTH OF STAIR: ALUM. TREAD COVER WITH 2" FRONT DOWN LEG. DIAMOND PLATE FINISH. COUNTERSINK FLUSH SCREWS INTO DECK.

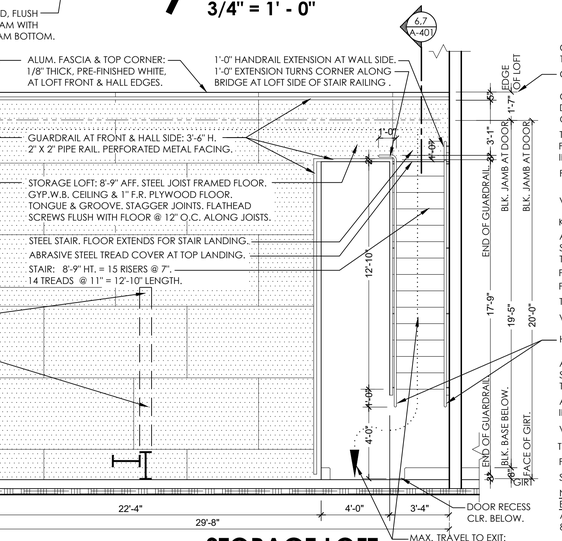
ALUM FASCIA: FRONT & HALL SIDE: 1/8" ALUM PLATE, PRE-FINISHED WHITE. BRAKE FORMED TO HEIGHT OF PLY. FASCIA BACK-UP. PROVIDE 4" HORIZ. LEG ONTO PLY. DECK & 1" RETURN AT BOTTOM OF PLY. FACE. SECURE WITH SCREWS AT 24" O.C.

LOFT STAIR LANDING: 1" F.R. PLYWOOD FLOOR DECK. (2) 8" STEEL JOIST BOX BEAMS. 8" JOIST FRAMING AT 16" O.C. 3/4" MDO PLYWOOD FASCIA. 3/4" MDO PLYWOOD SOFFIT.

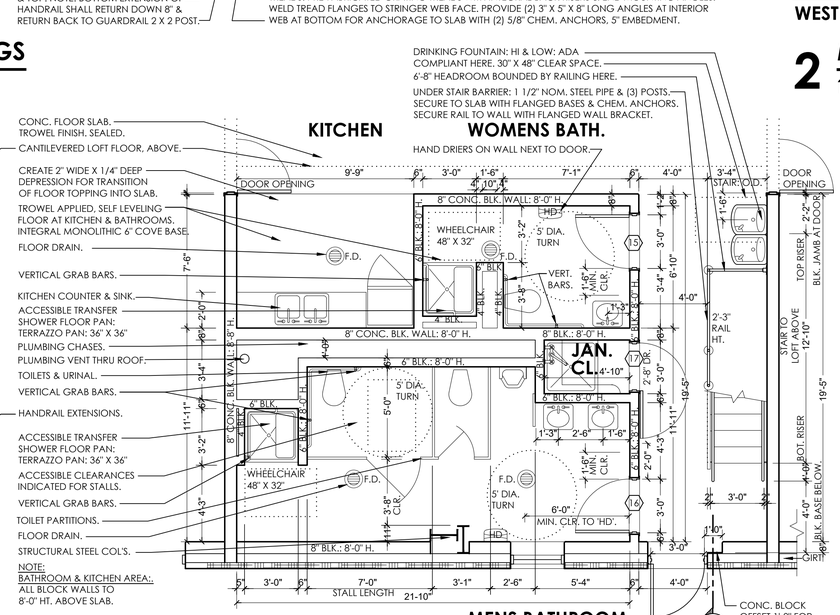
STEEL STAIR: 'C 12 X 20.7' STEEL CHANNEL STRINGERS. 5" X 5" X 3/8" X 6" LONG CLIP ANGLES TO SECURE STRINGERS TO LANDING EDGE & BOX. BEAM. (2) 5/8" BOLTS EACH ANGLE LEG FOR ATTACHMENT.

7 MAINT. BLDG -- LOFT RAILINGS
3/4" = 1' - 0"





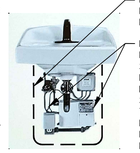
5 STORAGE LOFT
1/4" = 1' - 0"



1 MAINTENANCE BLDG. BATHROOMS & KITCHEN -- PLAN & ELEVATIONS
1/4" = 1' - 0"

'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.





'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.

9 LAVATORY EQUIP.
NTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER: 23-514
SHEET NUMBER: A-401
SHEET NO. 19 OF 69

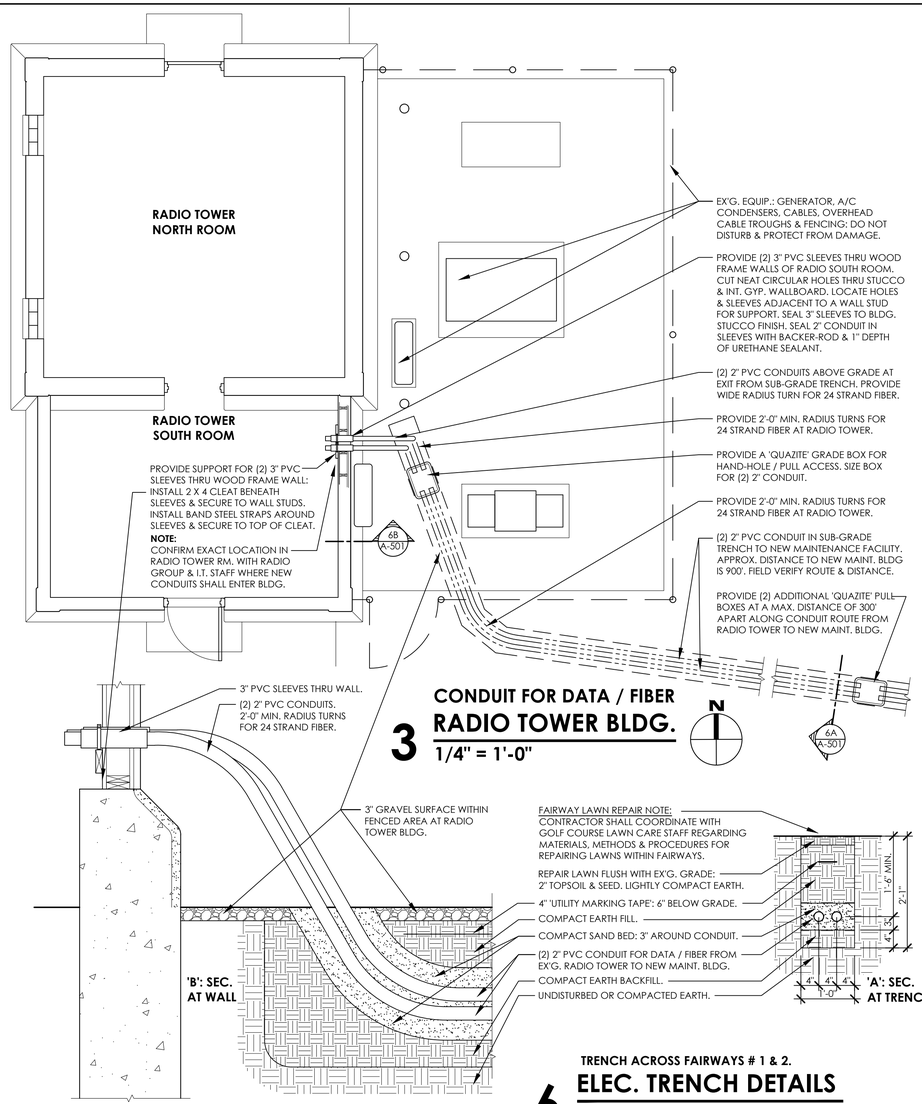
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
BATHROOM & KITCHEN, PLANS & ELEVATIONS

SCALE: AS SHOWN
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-111
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.

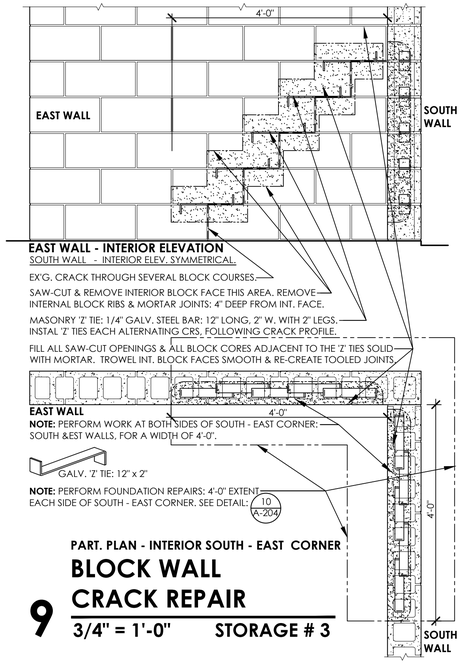
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.



3 CONDUIT FOR DATA / FIBER RADIO TOWER BLDG.
1/4" = 1'-0"

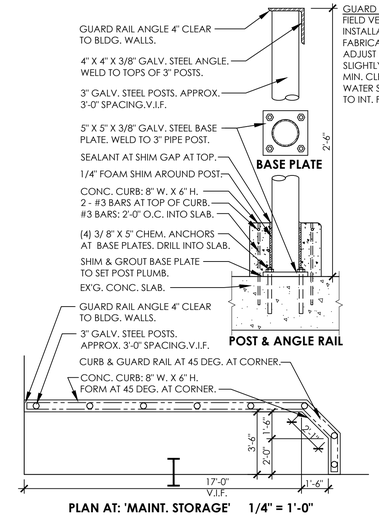
TRENCH ACROSS FAIRWAYS # 1 & 2.

6 ELEC. TRENCH DETAILS
3/4" = 1'-0"



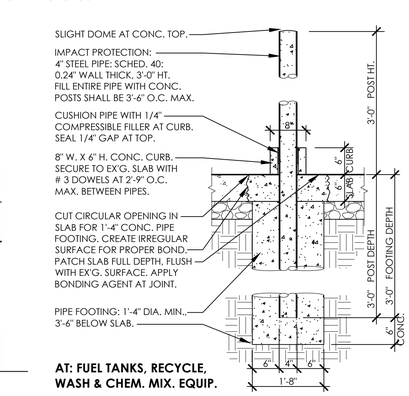
PART. PLAN - INTERIOR SOUTH - EAST CORNER

9 BLOCK WALL CRACK REPAIR
3/4" = 1'-0" STORAGE # 3

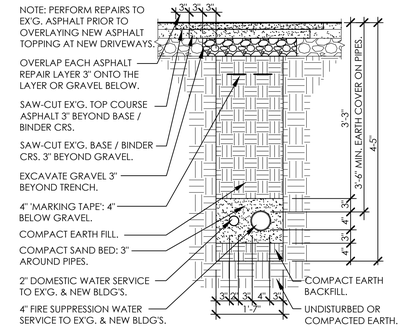


PLAN AT: 'MAINT. STORAGE' 1/4" = 1'-0"

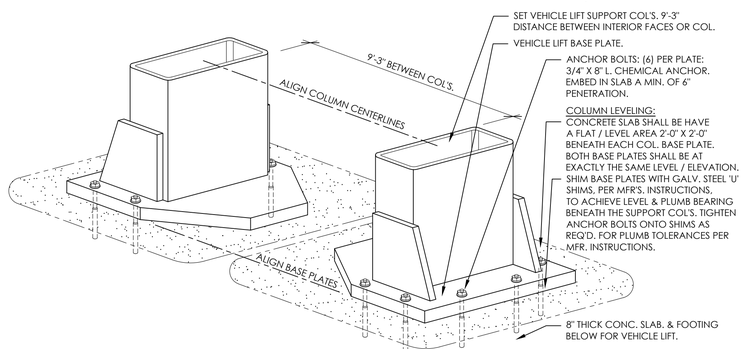
2 GUARD RAIL AT 'RPZ'
1 1/2" = 1'-0"



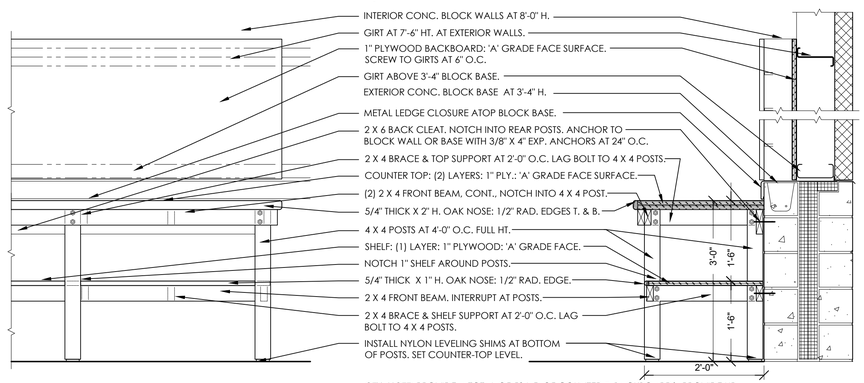
1 PROTECTION POSTS
3/4" = 1'-0"



5 WATER TRENCH DETAILS
3/4" = 1'-0"



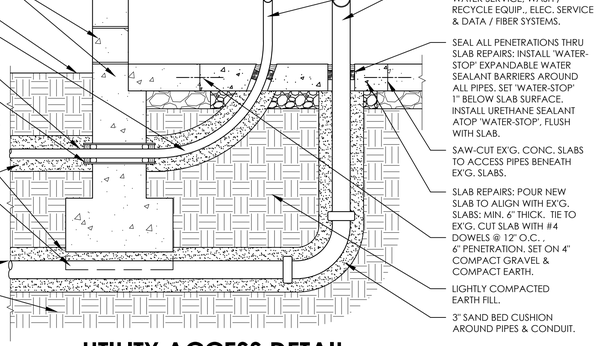
8 VEHCLE LIFT ANCHOR BOLTS
3" = 1'-0"



QTY. NOTE: PROVIDE A TOTAL OF 50 L.F. OF COUNTER & BACKBOARDS. PROVIDE UP TO 4 INDIVIDUAL LOCATIONS WITH 8 FINISHED ENDS. LOCATIONS TO BE DETERMINED IN FIELD.

7 COUNTER DETAILS
3/4" = 1'-0"

'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.



4 UTILITY ACCESS DETAIL
3/4" = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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CONTRACTOR
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TITLE DATE

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NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER A-501
SHEET NO. 20 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
DETAILS

SCALE: 3/4" - 1'-0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-112
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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DOOR #	DOOR SIZE	DOORS MAT'L.	DOORS TYPE	DOORS LABEL	FRAMES MAT'L.	FRAMES TYPE	HARDWARE	REMARKS
MAINTENANCE BLDG.								
1 MAINT. SHOP	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		ALUM.	A	H-1, EX-1, C-1, K-1, T-1, WS	
2 GENERAL SHOP	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		ALUM.	A	H-1, EX-1, C-1, K-1, T-1, WS	
3 EMP. LOUNGE	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		ALUM.	A	H-1, EX-1, C-1, K-1, T-1, WS	
4 MAINT. STORAGE	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		ALUM.	A	H-1, EX-1, C-1, K-1, T-1, WS	
5 MAINT. STORAGE	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		H.M.	A	H-1, EX-1, C-1, K-1, T-1, WS	
6 HALL	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		H.M.	A	H-1, EX-1, C-1, K-1, T-1, WS	
7 GENERAL SHOP	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		H.M.	A	H-1, EX-1, C-1, K-1, T-1, WS	
8 MAINT. SHOP	3'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	A		H.M.	A	H-1, EX-1, C-1, K-1, T-1, WS	
9 MAINT. / GENERAL	6'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	B	'B'	H. M.	B	H-1, EX-2, C-1, K-1, AS, DC, VLF	4" FRAME HEAD TO MEET BLOCK CRS.
10 GENERAL / LOUNGE	6'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	B	'B'	H. M.	B	H-1, EX-2, C-1, K-1, AS, DC, VLF	4" FRAME HEAD TO MEET BLOCK CRS.
11 LOUNGE / STORAGE	6'-0" x 7'-0" x 1 3/4" INSUL.	H.M.	B	'B'	H. M.	B	H-1, EX-2, C-1, K-1, AS, DC, VLF	4" FRAME HEAD TO MEET BLOCK CRS.
12 SUPERS OFFICE	3'-0" x 7'-0" x 1 3/4"	H.M.	A 1		H. M.	B	H-1, L-E, VL, LV,	
13 FOREMANS OFFICE	3'-0" x 7'-0" x 1 3/4"	H.M.	A 1		H. M.	B	H-1, L-E, VL, LV,	
14 ELEC. RM.	3'-0" x 7'-0" x 1 3/4"	H.M.	A	'B'	H. M.	B	H-1, L-E, C-1	NO LOUVER
15 WOMENS BATHRM.	3'-0" x 7'-0" x 1 3/4"	H.M.	A 1		H. M.	B	H-1, L-B, LV	4" FRAME HEAD TO MEET BLOCK CRS.
16 MENS BATHROOM	3'-0" x 7'-0" x 1 3/4"	H.M.	A 1		H. M.	B	H-1, L-P, LV	4" FRAME HEAD TO MEET BLOCK CRS.
17 JAN. CL.	2'-8" x 7'-0" x 1 3/4"	H.M.	A 1		H. M.	B	H-1, L-B, LV	4" FRAME HEAD TO MEET BLOCK CRS.
18 GRINDER RM.	8'-0" x 7'-0" x 1 3/4"	H.M.	B		H. M.	B	H-1, L-E, C-1, K-1, AS, DC, VL	
STORAGE BLDG'S. (ALT. #)								
19 STORAGE 1	6'-8" x 3'-0" x 1 3/4"	H.M.	A		H. M.	B	H-1, EX-1, C-1, K-1, T-1, WS	
20 STORAGE 2	6'-8" x 3'-0" x 1 3/4"	H.M.	A		H. M.	B	H-1, EX-1, C-1, K-1, T-1, WS	
21 STORAGE 3	6'-8" x 3'-0" x 1 3/4"	H.M.	A		H. M.	B	H-1, EX-1, C-1, K-1, T-1, WS	

EXTERIOR DOORS: BETWEEN CONDITIONED & UN-CONDITIONED SPACES: HOLLOW METAL DOORS: POLYSTYRENE INSULATED: DOOR 'R' FACTOR: **R 7.7.** DOOR 'U' FACTOR: **U 0.13.** DOOR 'SHGC': **< 0.38.**

INTERIOR DOOR # 11: BETWEEN HEATED - A/C SPACE & HEATED ONLY SPACE: HOLLOW METAL DOOR: POLYSTYRENE INSUL. & VISION LITE: DOOR 'U' FACTOR: **< 0.28.** DOOR 'SHGC': **< 0.38.**

EXTERIOR DOORS: BETWEEN CONDITIONED & UN-CONDITIONED SPACES: HOLLOW METAL DOORS: POLYSTYRENE INSULATED: DOOR 'R' FACTOR: **R 7.7.** DOOR 'U' FACTOR: **U 0.13.** DOOR 'SHGC': **< 0.38.**

EXTERIOR DOORS: HEAT & A/C; HEAT ONLY; HEAT & A/C; HEAT & A/C. INTERIOR DOORS: HEAT & A/C. EXT. DOORS: HEAT ONLY.

1 HOLLOW METAL DOORS -- SCHEDULE & HARDWARE

DOOR #	DOOR SIZE	DOORS MAT'L.	DOORS TYPE	DOORS LABEL	FRAMES MAT'L.	FRAMES TYPE	HARDWARE	REMARKS
MAINTENANCE BLDG.								
O 1 MAINT. SHOP	12'-0" x 12'-0" x 1" INSUL. SLAT	STEEL	O		STEEL	ANGLE GUIDES	MD, DB, WS	MOTOR OPERATOR
O 2 GENERAL SHOP	8'-0" x 12'-0" x 1" INSUL. SLAT	STEEL	O		STEEL	ANGLE GUIDES	MD, DB, WS	MOTOR OPERATOR
O 3 EMP. LOUNGE	8'-0" x 12'-0" x 1" INSUL. SLAT	STEEL	O		STEEL	ANGLE GUIDES	MD, DB, WS	MOTOR OPERATOR
O 4 MAINT. GARAGE	12'-0" x 12'-0" x 1" INSUL. SLAT	STEEL	O		STEEL	ANGLE GUIDES	MD, DB, WS	MOTOR OPERATOR
STORAGE BLDG'S. (ALT. #)								
O 5 STORAGE 3	10'-0" x 8'-0" x 1" INSUL. PANELS	STEEL	O		STEEL	SIDE TRACKS	DB, WS	SECTIONAL PANELS UPWARD-ACTING

EXTERIOR DOORS: BETWEEN CONDITIONED & UN-CONDITIONED SPACES: 1" INSUL. SLAT COILING DOORS. DOOR 'R' FACTOR: **R 7.7.** DOOR 'U' FACTOR: **U 0.13.** DOOR 'SHGC': **< 0.38.**

EXT. DOORS: HEAT & A/C; HEAT & A/C; HEAT & A/C; HEAT ONLY. HEAT ONLY.

2 OVERHEAD DOORS -- SCHEDULE & HARDWARE

#	SPACE	FLOOR	BASE	WALLS	CEILINGS	REMARKS	COLORS
MAINTENANCE BLDG.							
101	MAINT. SHOP	CONC. SEALED	EXT. WALLS: CONC. BLOCK TO 3'-4" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY DIVIDING WALLS: 2 HR. GYP.WB, PART'N. ABOVE 8'-8".	PRE-ENG. BLDG. ROOF PANELS	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: LT. GRAY
102	GENERAL SHOP	CONC. SEALED	EXT. WALLS: CONC. BLOCK TO 3'-4" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY DIVIDING WALLS: 2 HR. GYP.WB, PART'N. ABOVE 8'-8".	PRE-ENG. BLDG. ROOF PANELS	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: LT. GRAY
103	EMP. LOUNGE	CONC. SEALED	EXT. WALLS: CONC. BLOCK TO 3'-4" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY DIVIDING WALLS: 2 HR. GYP.WB, PART'N. ABOVE 8'-8".	PRE-ENG. BLDG. ROOF PANELS	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: LT. GRAY
104	STORAGE	CONC. SEALED	EXT. WALLS: CONC. BLOCK TO 3'-4" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY DIVIDING WALLS: 2 HR. GYP.WB, PART'N. ABOVE 8'-8".	PRE-ENG. BLDG. ROOF PANELS	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: LT. GRAY
105	SUPER'S OFFICE.	CONC. SEALED	EXT. WALLS: CONC. BLOCK TO 3'-4" BAY WALLS: CONC. BLK. 8'-8" / INT. WALLS: BLK. TO 3'-4".	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY WALLS: 2 HR. GYP.WB, ABOVE 8'-8" / INT. WALLS: GYP.W.B. ABOVE 3'-4".	GYP. WALLBOARD	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: WHITE CLG.: WHITE
106	FOREMANS OFFICE.	CONC. SEALED	EXT. WALLS: CONC. BLOCK TO 3'-4" BAY WALLS: CONC. BLK. 8'-8" / INT. WALLS: BLK. TO 3'-4".	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY WALLS: 2 HR. GYP.WB, ABOVE 8'-8" / INT. WALLS: GYP.W.B. ABOVE 3'-4".	GYP. WALLBOARD	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: WHITE CLG.: WHITE
107	ELEC. RM.	CONC. SEALED	EXT. WALLS: CONC. BLOCK TO 3'-4" BAY WALLS: CONC. BLK. 8'-8" / INT. WALLS: BLK. TO 3'-4".	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY WALLS: 2 HR. GYP.WB, ABOVE 8'-8" / INT. WALLS: GYP.W.B. ABOVE 3'-4".	GYP. WALLBOARD	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: WHITE CLG.: WHITE
108	KITCHEN	EPOXY COATED MED. GRAY	INT. WALLS: CONC. BLOCK TO 8'-0" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	CONC. BLK. 8'-0"	GYP. WALLBOARD		WALLS: LT. GRAY CLG.: WHITE
109	WOMENS BATHROOM	EPOXY COATED MED. GRAY	CONC. BLOCK TO 8'-0"	CONC. BLK. 8'-0"	GYP. WALLBOARD		WALLS: LT. GRAY CLG.: WHITE
110	MENS BATHROOM	EPOXY COATED MED. GRAY	INT. WALLS: CONC. BLOCK TO 8'-0" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	CONC. BLK. 8'-0"	GYP. WALLBOARD		WALLS: LT. GRAY CLG.: WHITE
111	JAN CL.	EPOXY COATED MED. GRAY	CONC. BLOCK TO 8'-0"	CONC. BLK. 8'-0"	GYP. WALLBOARD		WALLS: LT. GRAY CLG.: WHITE
112	HALL	CONC. SEALED	BATHRM. WALLS: CONC. BLK. TO 8'-0" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY DIVIDING WALLS: 2 HR. GYP.WB, ABOVE 8'-8".	GYP. WALLBOARD	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: LT. GRAY CLG.: WHITE
113	GRINDER RM.	CONC. SEALED	INT. WALLS: CONC. BLOCK TO 3'-4" BAY DIVIDING WALLS: CONC. BLK. 8'-8"	EXT. WALLS: PRE-ENG. BLDG.; EXT. INSUL. PANELS ABOVE 3'-4". BAY WALLS: 2 HR. GYP.WB, ABOVE 8'-8" / INT. WALLS: GYP.W.B. ABOVE 3'-4".	GYP. WALLBOARD	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: LT. GRAY CLG.: WHITE
114	LOFT	PLYWOOF FLOOR MED. GRAY	PRE-ENG. BLDG.; EXT. INSUL. PANELS	PRE-ENG. BLDG.; EXT. INSUL. PANELS	PRE-ENG. BLDG. ROOF PANELS	INT. OF EXT. WALLS: METAL WALL PANELS	WALLS: LT. GRAY
EX'G. STORAGE BLDG'S. (ALT. #)							
115	STORAGE 1	EX'G. CONC.	PPT 2 X 6	EX'G. WALLS FURRED WITH WOOD STUDS, INSUL. & GYP. WALLBOARD.	GYP. WALLBOARD		WALLS: LT. GRAY CLG.: WHITE
116	STORAGE 2	EX'G. CONC.	PPT 2 X 6	EX'G. WALLS FURRED WITH WOOD STUDS, INSUL. & GYP. WALLBOARD.	GYP. WALLBOARD		WALLS: LT. GRAY CLG.: WHITE
117	STORAGE 3	EX'G. CONC.	PPT 2 X 6	EX'G. WALLS FURRED WITH WOOD STUDS, INSUL. & GYP. WALLBOARD.	GYP. WALLBOARD		WALLS: LT. GRAY CLG.: WHITE

3 FINISH SCHEDULE

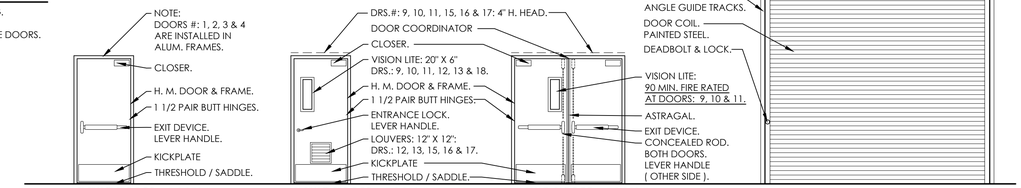
HARDWARE ITEMS: H.M. DOORS:

- H-1 BUTT HINGES: 1 1/2 PAIR, BALL BEARING.
- EX-1 EXIT DEVICE: MORTISE RIM.
- EX-2 EXIT DEVICE: CONCEALED ROD DOUBLE DOORS.
- L-E BORED LOCK: KEYED ENTRY.
- L-B BORED LOCK: BATHROOM LOCK.
- L-P BORED LOCK: PASSAGE LATCH.
- S-1 FLOOR STOP.
- C-1 CLOSER.
- K-1 KICKPLATE.
- T-1 THRESHOLD / SADDLE.
- VL VISION LITE
- VLF VISION LITE - 90 MIN FIRE RATED.
- LV LOUVER
- WS WEATHERSTRIPPING.
- AS ASTRAGAL.
- DC DOOR COORDINATOR.

HARDWARE: TYPICAL SPEC: HEAVY DUTY SERIES, RE-CORE CYLINDERS, COORD. WITH OWNER MASTER KEY SYSTEM.

EGRESS NOTE: ALL DOOR HARDWARE SHALL PROVIDE FREE ACCESS IN DIRECTION OF EGRESS ALWAYS.

THE FOLLOWING HOLLOW METAL DOORS SHALL BE PROVIDED WITH AN INSULATED CORE ACHIEVING: A MIN. 'U' FACTOR OF: 0.28 & A MIN. 'SHGC' OF: 0.38. DOORS #: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 19, 20 & 21.



3'-0" X 7'-0" DOOR. DOORS #: 1, 2, 3, 4, 5, 6, 7, 8,19, 20, & 21. **TYPE 'A'** H.M. SINGLE DOOR

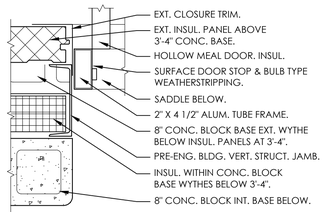
3'-0" X 7'-0" DOOR DOORS #: 12, 13, 14, 15, 16 & 17. DR. # 14: NO LOUVER. **TYPE 'A1'** H.M. SINGLE DOOR

6'-0" X 7'-0" DOOR DOORS #: 9, 10, 11 & 18. **TYPE 'B'** H.M. DOUBLE DOOR

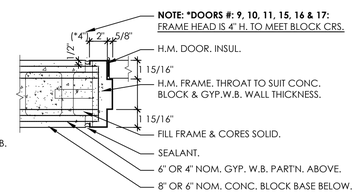
SEE SCHEDULE **TYPE 'O'** O. H. COILING DOOR

4 HOLLOW METAL & OVERHEAD DOOR TYPES

1/8" = 1' - 0"



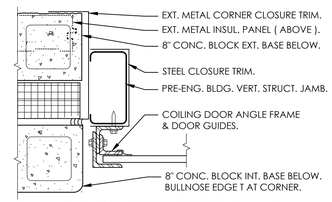
TYPE 'A' ALUM. FRAME



TYPE 'B' H.M. FRAME

HARDWARE ITEMS: O.H. DOORS:

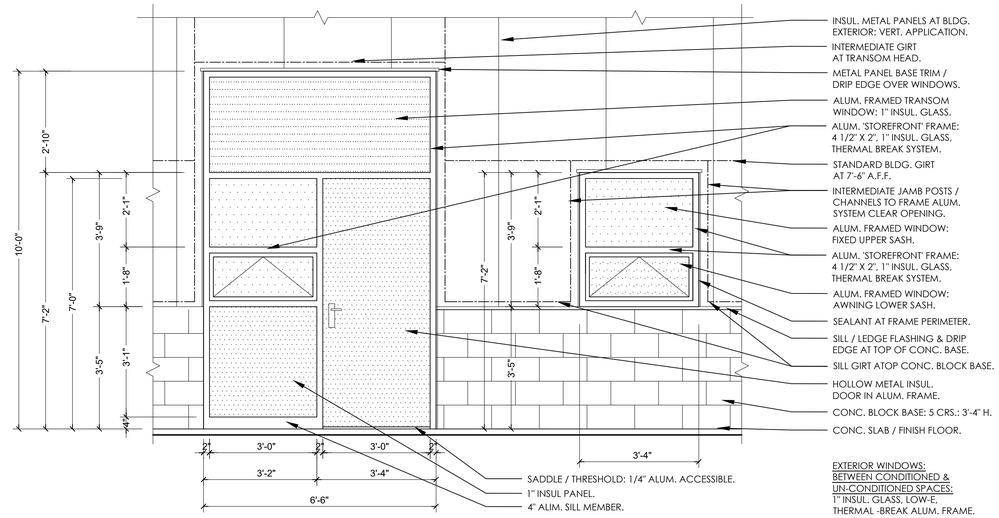
- MD MOTOR DRIVE HOIST
- CH CHAIN HOIST
- DB DEADBOLT & LOCK
- WS WEATHERSTRIPPING



MAINT. BLDG. COIL DOOR FRAME.

5 FRAME DETAILS

1 1/2" = 1' - 0"



6 DOOR / WINDOW SYSTEM

1/2" = 1' - 0"

NOTE: THIS DOOR / WINDOW ASSEMBLY OCCURS ONLY ON THE NORTH SIDE OF THE BLDG.

EXTERIOR WINDOWS: BETWEEN CONDITIONED & UN-CONDITIONED SPACES: 1" INSUL. GLASS, LOW-E, THERMAL -BREAK ALUM. FRAME. WINDOW 'R' FACTOR: **R 2.0.** WINDOW 'U' FACTOR: **U 0.25.** WINDOW 'SHGC': **< 0.36.**

(ALT. #) ALTERNATE # 1:

ALTERNATE # 1: COMPONENTS THIS PAGE COMPRISE: **AT STORAGE BLDG'S.: 1, 2 & 3:** HOLLOW METAL DOORS, O.H. DOORS & INTERIOR FINISHES

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER A-601

SHEET NO. 21 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
DOOR & FINISH SCHEDULE & DETAILS

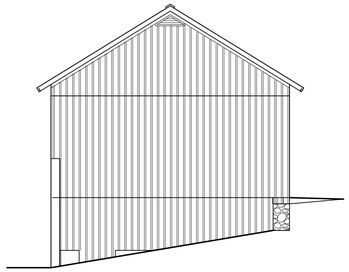
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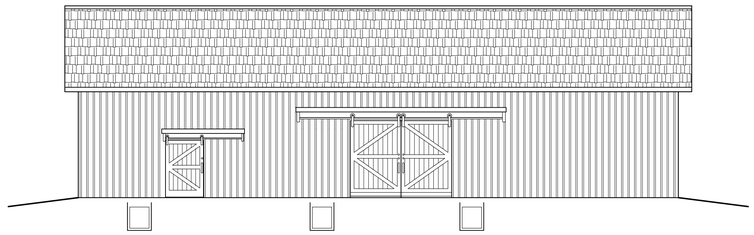
IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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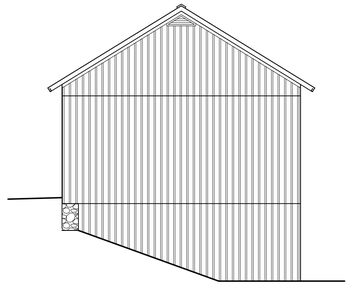


ELEVATION NORTH

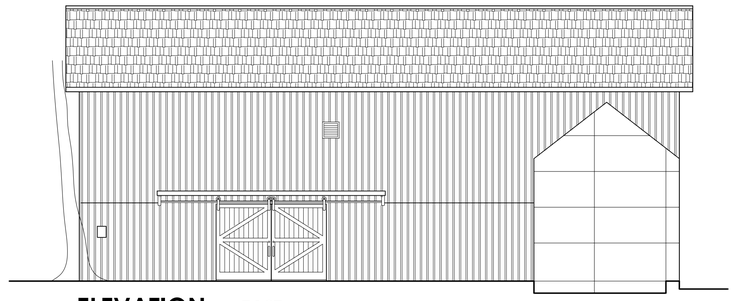


ELEVATION WEST

1 RED BARN ELEVATIONS
1/8" = 1' - 0"



ELEVATION SOUTH



ELEVATION EAST





GENERAL CONTRACT DEMOLITION NOTES:

THE GENERAL CONTRACT SHALL PERFORM THE FOLLOWING WORK AT THE BARNS:

DISCONNECT ELECTRICAL SERVICE & REMOVE METER.
DISCONNECT WATER SERVICE & REMOVE METER.

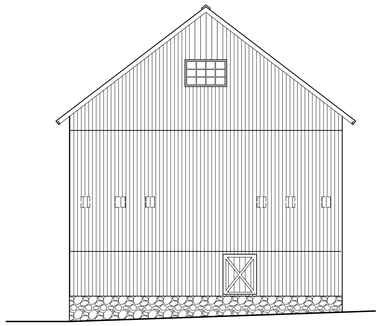
COLLAPSE THE STONE FOUNDATIONS INTO THE CELLAR & COMPACT STONE & MASONRY.
BACKFILL OVER COLLAPSED FOUNDATIONS.
BURY IN EARTH & RE-GRADE TO BLEND CONTOURS.
RE-ESTABLISH LAWN.



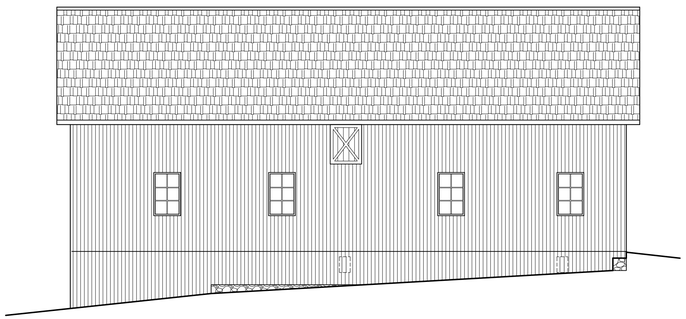
DEMOLITION SUB-CONTRACT NOTES:
THE DEMOLITION SUB-CONTRACT SHALL REMOVE & DISCARD OFF-SITE, THE FOLLOWING BARN COMPONENTS IN THEIR ENTIRETY AS 'HEAVY EQUIPMENT BULK DEMOLITION':

ASPHALT SHINGLE ROOF & PLYWOOD SHEATHING.
BOARD SIDING & ALL RELATED TRIMS.
DOORS, WINDOWS, HATCHES & HARDWARE.
INTERIOR FLOORS & STAIRS.
TIMBER FRAME, RAFTERS, STUDS & BRACES.
STEEL POSTS, TIE RODS, TURN-BUCKLES & BOLTS.
ELECTRICAL PANELS, CONDUIT & RECEPTACLES.
PLUMBING PIPING & FIXTURES.



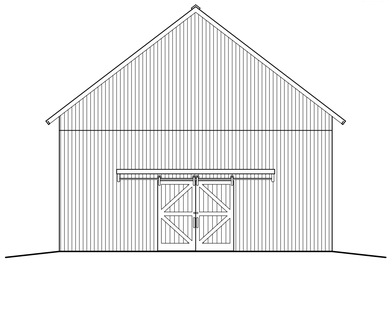


ELEVATION NORTH

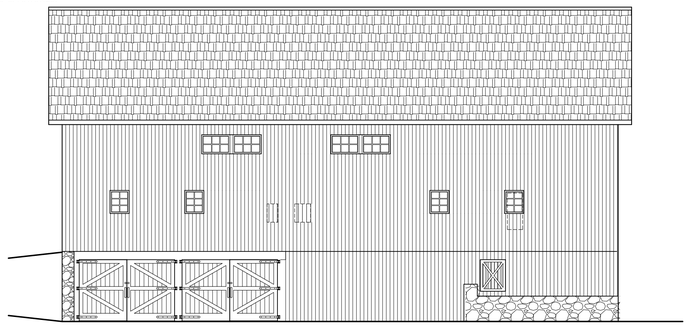


ELEVATION WEST

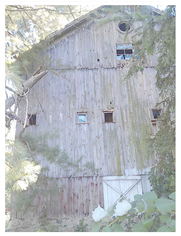
2 GRAY BARN ELEVATIONS
1/8" = 1' - 0"



ELEVATION SOUTH



ELEVATION EAST





SURFACE AREA NOTE:
ELEVATIONS & ROOF AREAS ARE DRAWN TO APPROX. DIMENSIONS. CONTRACTOR SHALL VERIFY ALL BLDG. DIMENSIONS PRIOR TO SUBMITTING BID.

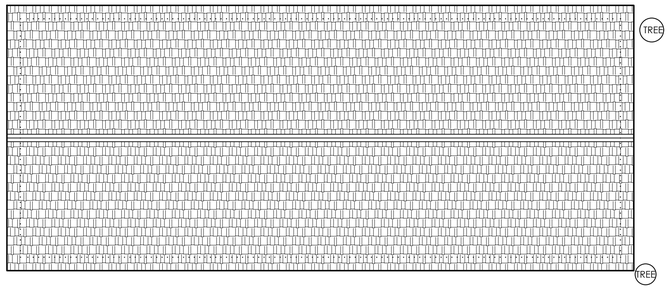


HAZARDOUS MATERIALS NOTE:

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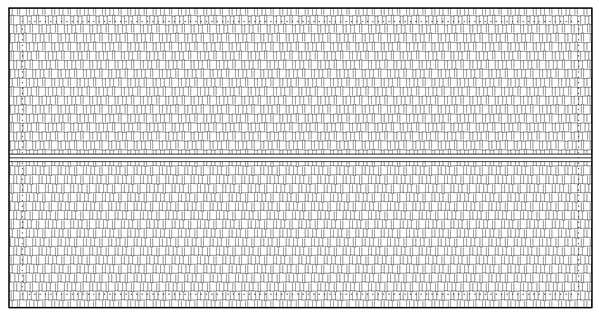
ASPHALT ROOF SHINGLES.
WINDOW GLAZING CAULKING.
MORTAR & STUCCO.
STAINS & PAINTS.
SEALANTS.





4 RED BARN - ROOF PLAN
1/8" = 1' - 0"

N



3 GRAY BARN - ROOF PLAN
1/8" = 1' - 0"

N

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MADE BY JOHN LEVY

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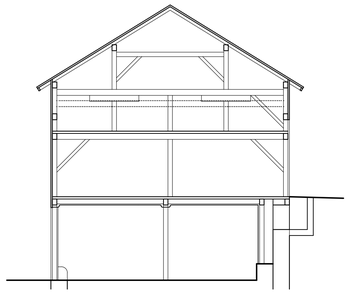
CONTRACTOR	PROJECT COORDINATOR
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

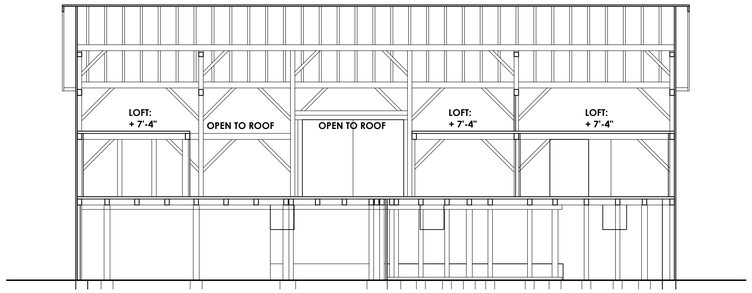
CONTRACT NUMBER 23-514
SHEET NUMBER A-701
SHEET NO. 22 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
GRAY & RED BARN DEMOLITION - ELEVATIONS

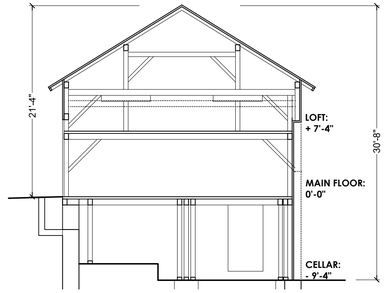
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DPW FILE NO. 10-02-A-114
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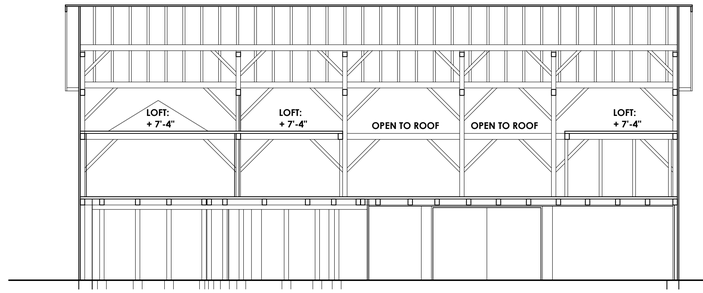
SECTION SOUTH INT. ELEV.



SECTION WEST INT. ELEV.

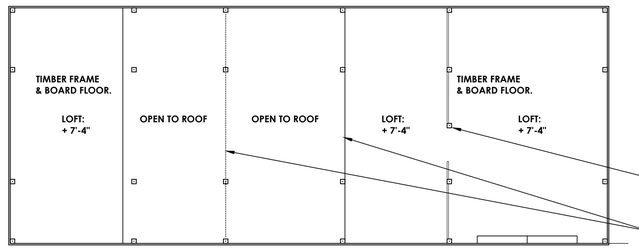


SECTION NORTH INT. ELEV.

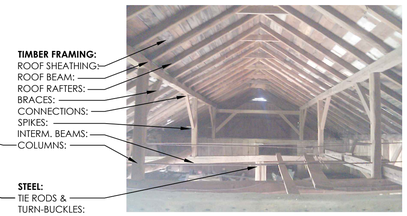


SECTION EAST INT. ELEV.

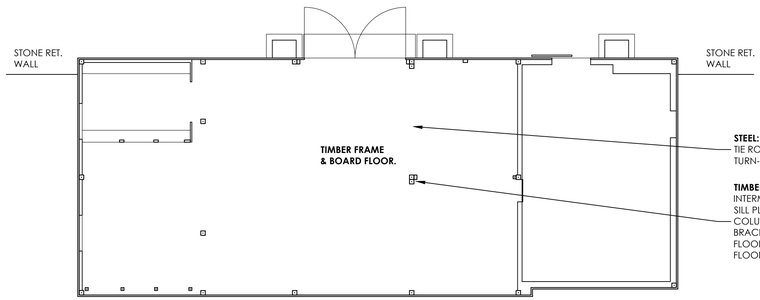
2 RED BARN - SECTIONS
1/8" = 1'-0"



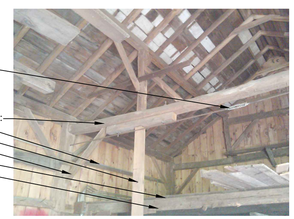
LOFTS + 7'-4"



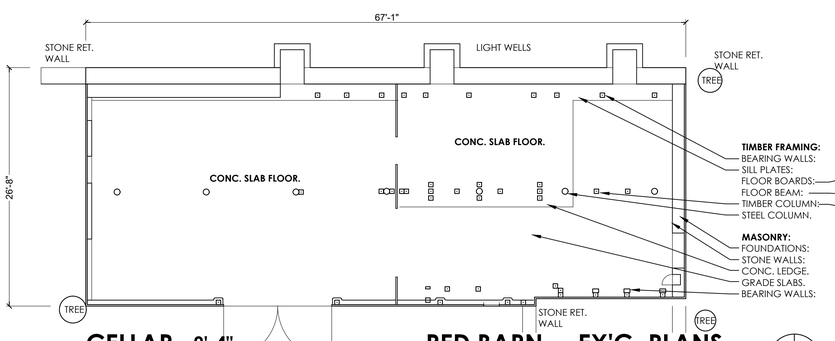
VIEW NORTH FROM SOUTH LOFT



MAIN FLOOR 0'-0"

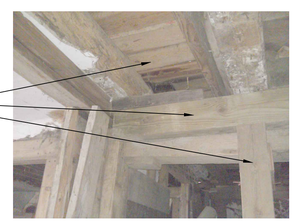


VIEW OF SOUTH ROOF



CELLAR - 9'-4"

1 RED BARN -- EX'G. PLANS
1/8" = 1'-0"



VIEW OF BASEMENT RE-SUPPORT

DIMENSION NOTE:
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CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

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ASPHALT ROOF SHINGLES.
WINDOW GLAZING CAULKING.
MORTAR & STUCCO.
STAINS & PAINTS.
SEALANTS.



VIEW OF SOUTH-EAST CORNER & CELLAR.

GENERAL CONTRACT DEMOLITION NOTES:

THE GENERAL CONTRACT SHALL PERFORM THE FOLLOWING WORK PRIOR TO SUB-CONTRACT BARN TIMBER & WOOD DEMOLITION:

ELECTRICAL SUB-CONTRACT SHALL DISCONNECT ELECTRICAL SERVICE & TERMINATE SERVICE SAFELY AT NEAREST POLE.

PLUMBING SUB-CONTRACT SHALL DISCONNECT WATER & DRAIN SERVICE & TERMINATE SERVICE SAFELY AT NEAREST SHUT-OFF VALVE & MANHOLE.

THE GENERAL CONTRACT SHALL PERFORM THE FOLLOWING WORK AT THE BARNS:

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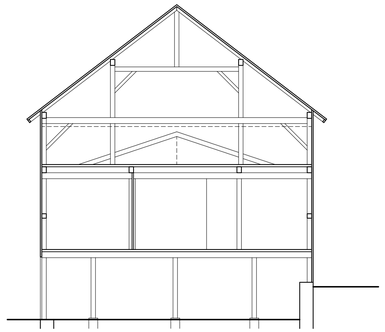
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
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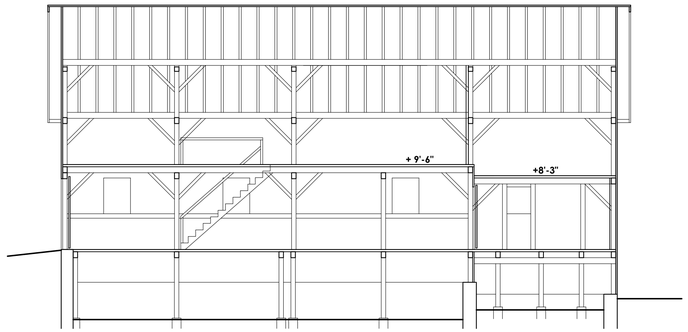
CONTRACT NUMBER 23-514
SHEET NUMBER A-702
SHEET NO. 23 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
RED BARN DEMOLITION - PLANS & SECTIONS

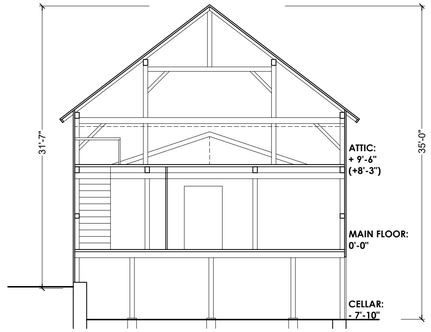
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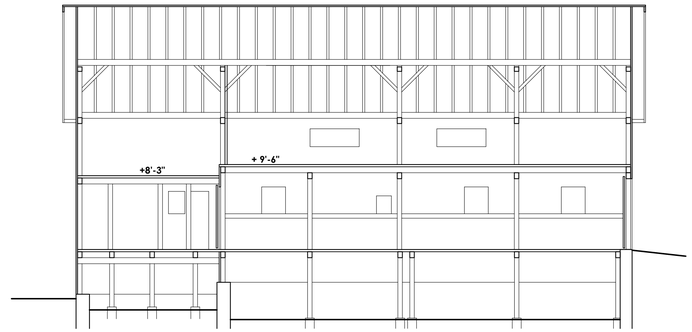
SECTION SOUTH INT. ELEV.



SECTION WEST INT. ELEV.

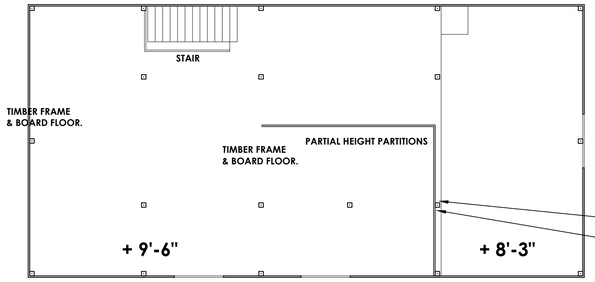


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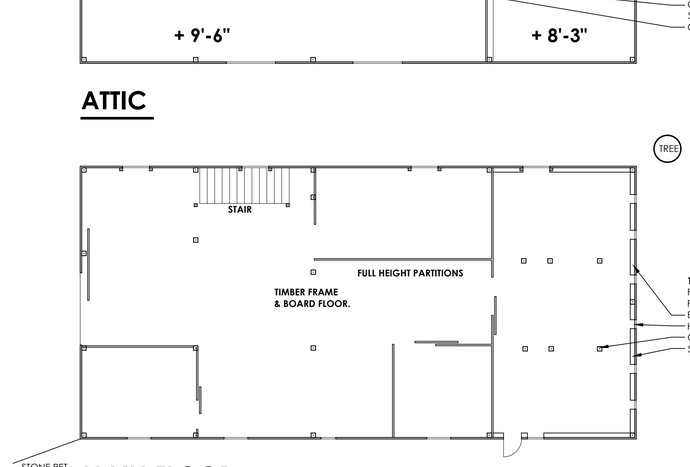


SECTION EAST INT. ELEV.

2 GRAY BARN - SECTIONS
1/8" = 1'-0"



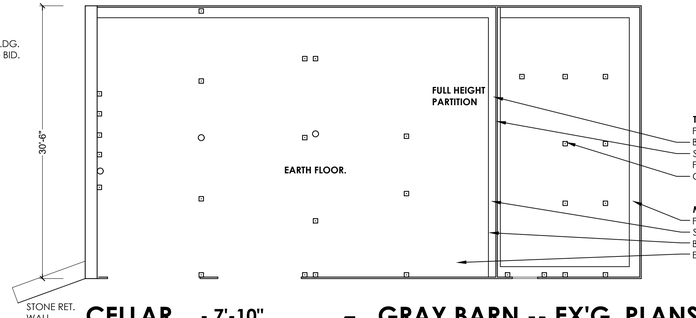
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MAIN FLOOR 0'-0"

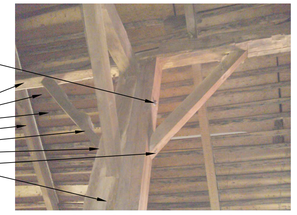
62'-2"

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CELLAR - 7'-10"

1 GRAY BARN -- EX'G. PLANS
1/8" = 1'-0"



VIEW OF ROOF FRAMING



VIEW OF ATTIC FLOOR & STAIR



VIEW OF BASEMENT FRAMING

HAZARDOUS MATERIALS NOTE:

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VIEW OF SOUTH-EAST CORNER & CELLAR.

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SIGNATURE
TITLE DATE

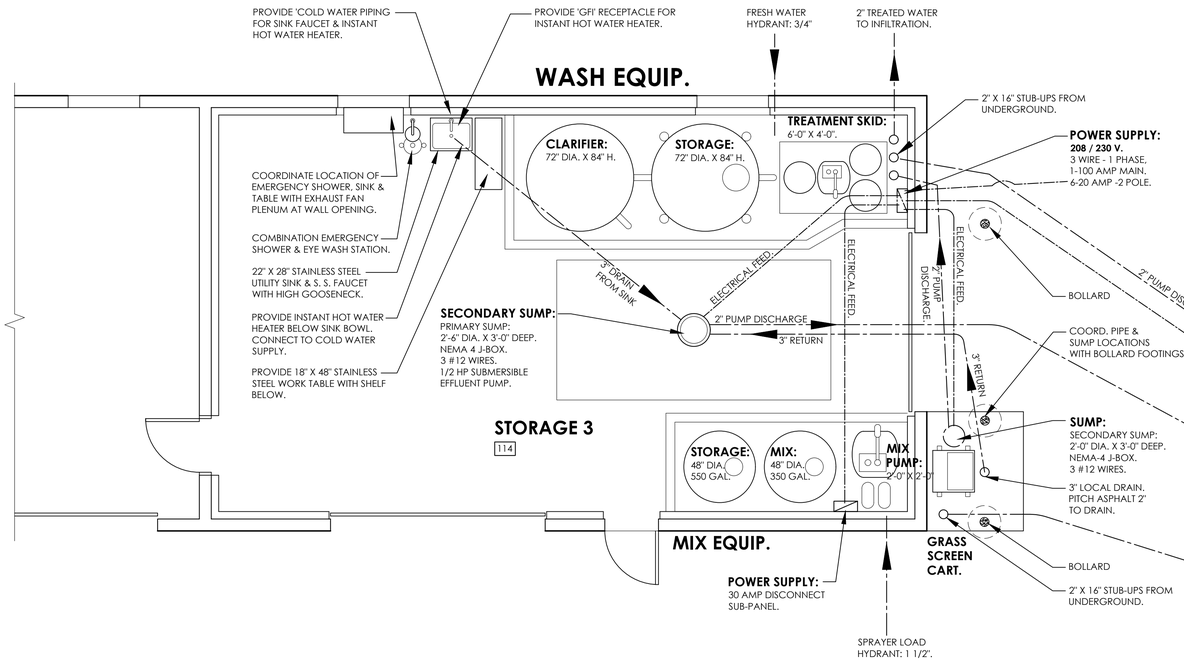
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NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER A-703
SHEET NO. 24 OF 69

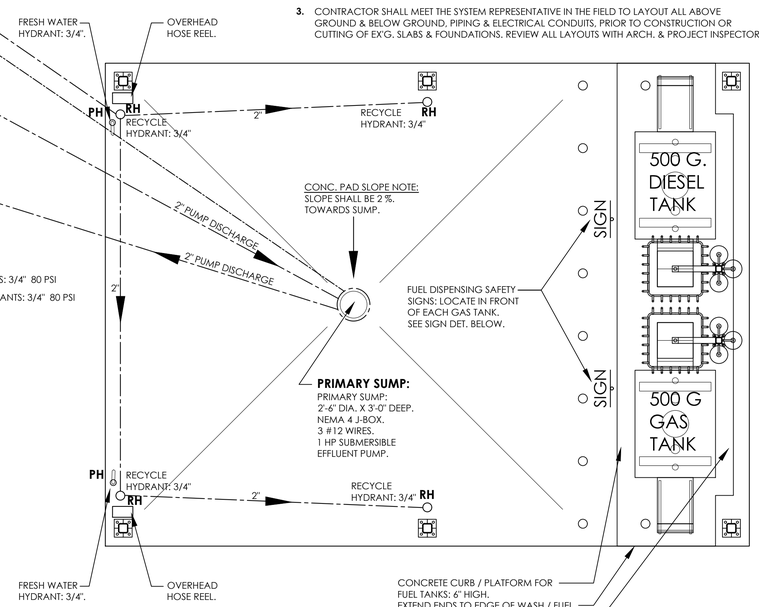
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
GRAY BARN DEMOLITION - PLANS & SECTIONS

SCALE: 1/8" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-116
REV. NO. 0



1 MAINTENANCE BLDG.: WASH / RECYCLE EQUIPMENT LAYOUT.

1/4" = 1' - 0"



RH RECYCLE HYDRANTS: 3/4" 80 PSI

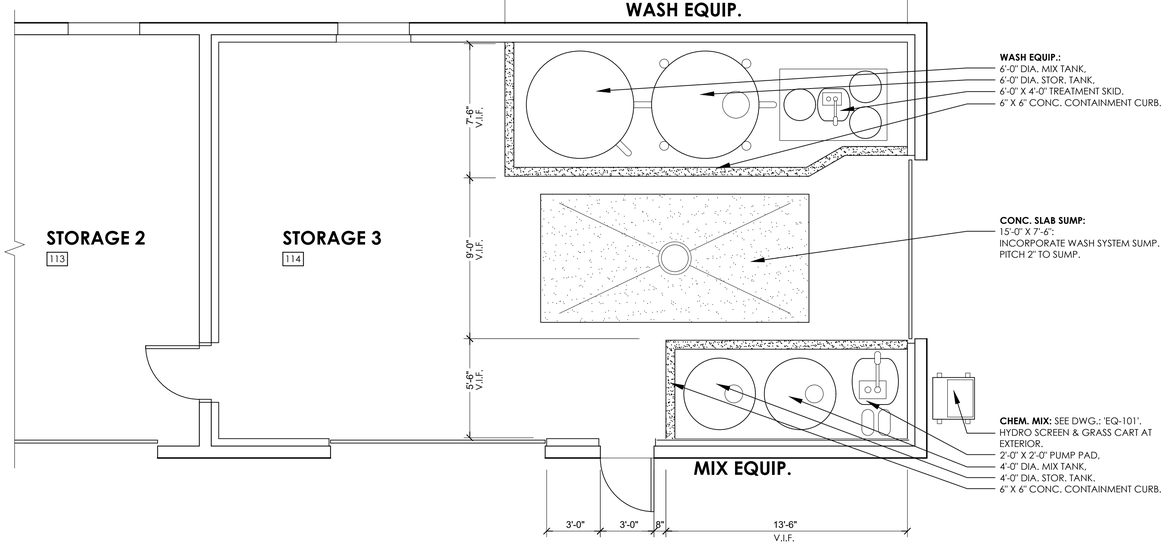
PH FRESH WATER HYDRANTS: 3/4" 80 PSI

GENERAL NOTES:

1. SUMPS & RELATED EQUIPMENT ARE PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER. SUMPS SHALL BE INSTALLED INTO CONC. SLABS & PADS BY GENERAL CONTRACTOR.
2. WATER SERVICE, UNDERGROUND PIPING AND SURFACE 'STUB-UPS' SHALL BE FURNISHED & INSTALLED BY PLUMBING CONTRACTOR.
3. WATER TREATMENT PLUMBING EQUIPMENT (PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER) SHALL BE CONNECTED TO UNDERGROUND PIPING & STUB-UPS BY PLUMBING CONTRACTOR.
4. POWER SERVICE & UNDERGROUND ELECTRICAL CONDUIT & WIRING SHALL BE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR.
5. WATER TREATMENT ELECTRICAL EQUIPMENT (PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER) SHALL BE CONNECTED TO UNDERGROUND CONDUIT & WIRING BY ELECTRICAL CONTRACTOR.
6. ENTIRE WASH / RECYCLE / CHEMICAL MIX SYSTEM INCLUDING ALL EQUIPMENT PROVIDED BY WASH / RECYCLE SYSTEM MANUFACTURER, WATER SERVICE, PIPING, VALVES, CONNECTIONS, ELECTRICAL SERVICE, PANELS, DISCONNECTS, CONDUIT, WIRING & CONNECTIONS SHALL BE COORDINATED BY GENERAL CONTRACTOR IN THE FIELD.
7. REVIEW ALL EQUIPMENT, COMPONENTS, LOCATIONS & CONNECTION ROUTES WITH WASH / RECYCLE SYSTEM MANUFACTURER, ARCH. & OWNER IN FIELD PRIOR TO ANY WORK.

LAYOUT NOTE:

1. LAYOUT SHOWN IS A SCHEMATIC DIAGRAM OF SYSTEM COMPONENTS PERTAINING TO A SPECIFIC MANUFACTURER DESCRIBED IN THE SPECIFICATIONS.
2. ALTERNATE SYSTEM MANUFACTURERS MAY HAVE SLIGHTLY DIFFERENT EQUIPMENT, COMPONENTS & CONNECTION LAYOUTS. ALTERNATE SYSTEMS SHALL OFFER EQUAL PERFORMANCE & OPERATION TO THE LAYOUT SHOWN & SPECIFIED.
3. CONTRACTOR SHALL MEET THE SYSTEM REPRESENTATIVE IN THE FIELD TO LAYOUT ALL ABOVE GROUND & BELOW GROUND, PIPING & ELECTRICAL CONDUITS, PRIOR TO CONSTRUCTION OR CUTTING OF EX'G. SLABS & FOUNDATIONS. REVIEW ALL LAYOUTS WITH ARCH. & PROJECT INSPECTOR.



2 STORAGE 3 BLDG.: PART PLAN: WASH / RECYCLE EQUIPMENT LAYOUT.

1/4" = 1' - 0"

WARNING:

1. NO SMOKING.
2. SHUT OFF MOTOR.
3. DISCHARGE YOUR STATIC ELECTRICITY BEFORE FUELING BY TOUCHING A METAL SURFACE AWAY FROM NOZZLE.
4. TO PREVENT STATIC CHARGE: DO NOT RE-ENTER YOUR VEHICLE WHILE GASOLINE IS PUMPING.
5. IF A FIRE STARTS, DO NOT REMOVE NOZZLE: BACK AWAY IMMEDIATELY.
6. IT IS UN-LAWFUL AND DANGEROUS TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS.
7. DO NOT FILL PORTABLE CONTAINERS IN OR ON A MOTOR VEHICLE. PLACE CONTAINER ON GROUND BEFORE FILING.

NOTES:
SIGN SHALL BE MIN. SIZE: 15" H. X 10" W. LETTERS SHALL BE MIN. 3/8" H. MOUNT SIGN WITHIN 3'-0" OF FUEL DISPENSING NOZZLE.

FUEL DISPENSING 'WARNING' SIGN

'ALTERNATE' NOTE:
THERE ARE NO ALTERNATES THIS PAGE.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER EQ-101
SHEET NO. 25 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
WASHING, MIXING & RECYCLE EQUIPMENT

SCALE: 1/4" = 1' - 0"
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-A-117
REV. NO. 0

IN CHARGE OF ADAM KAPLINSKI
CHECKED BY ADAM KAPLINSKI
MADE BY JOHN LEVY

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ABBREVIATIONS

ADD	ADDENDUM	HVAC	HEATING VENTILATION & AIR CONDITIONING
ADJ	ADJACENT		
AFF	ABOVE FINISH FLOOR		
ALT	ALTERNATE	IN	INCH
ALUM	ALUMINUM	INSUL	INSULATION
ARCH	ARCHITECT (URAL)	LAM	LAMINATE (D)
ARF	ABOVE RAISED FLOOR	LL	LIVELOAD
BD	BOARD	LP	LOW POINT
BLDG	BUILDING	MAINT	MAINTENANCE
BLK	BLOCK	MAX	MAXIMUM
BOF	BOTTOM OF FOOTING	MECH	MECHANICAL
BRG	BEARING	MEP	MECH ELECTRICAL PLUMBING
BRK	BRICK	MFR (D)	MANUFACTURE ® (D)
BSMT	BASEMENT	MIN	MINIMUM
BUR	BUILT UP ROOFING	MISC	MISCELLANEOUS
CB	CATCH BASIN	MO	MASONRY OPENING
CEM	CEMENT	MTL	METAL
CI	CAST IRON	N	NORTH
CI	CENTER LINE	(N)	NEW
CLG	CEILING	NIC	NOT IN CONTRACT
CLR	CLEAR (ANCE)	NO	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL NUMBER
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OA	OVERALL
CONST	CONSTRUCTION	OC	ON CENTER
CJ	CONSTRUCTION JOINT	OH	OVERHEAD
CONT	CONTINUOUS	OPNG	OPENING
COORD.	COORDINATE	OPP	OPPOSITE
CTR	CENTER	P	PIER
DEMO	DEMOLITION	PC	POURED CONCRETE
DEPT	DEPARTMENT	PL	PLATE
DIA	DIAMETER	PNL	PANEL
DIAG	DIAGONAL	PSF	POUNDS PER SQUARE FOOT
DIM	DIMENSION	PTN	PARTITION
DIV	DIVISION	PVC	POLYVINYL CHLORIDE
DL	DEAD LOAD	R	RISER
DN	DOWN	RA	RAISED ACCESS
DP	DAMP PROOFING	RAD	RADIUS
DR	DOOR	RD	ROOF DRAIN
DTL	DETAIL	REF	REFERENCE
DWG	DRAWING	REINF	REINFORCED
E	EAST	RFG	ROOFING
EA	EACH	RM	ROOM
ELEC	ELECTRIC (AL)	RO	ROUGH OPENING
EL	ELEVATION (TOPO)	S	SOUTH
EMERGE	EMERGENCY	SD	STORM DRAIN
ENCL	ENCLOSE (ENCLOSURE)	SECT	SECTION
EQ	EQUAL	SF	SQUARE FOOT
EW	EACH WAY	SIM	SIMILAR
EXC	EXCAVATE	SPEC	SPECIFICATION
EXIST (E)	EXISTING	SQ	SQUARE
EJ	EXPANSION JOINT	STD	STANDARD
EXT	EXTERIOR	STL	STEEL
FD	FLOOR DRAIN	STOR	STORAGE
F	FOOTING	SUSP	SUSPENDED
FDN	FOUNDATION	TGB	TOP GRADE BEAM
FIN	FINISH	THK	THICK (NESS)
FLR	FLOOR	TO	TOP OF
FP	FIREPROOF (ING)	TOS	TOP OF STEEL
FT	FEET	TOW	TOP OF WALL
FTG	FOOTING	TYP	TYPICAL
GA	GAGE, GAUGE	UON	UNLESS OTHERWISE NOTED
GALV	GALVANIZED	VIF	VERIFY IN FIELD
GC	GENERAL CONTRACT (OR)	W	WEST
GB	GRADE BEAM	W/	WITH
HC	HOLLOW CORE	WD	WOOD
HDR	HEADER	WM	WIRE MESH
HDW	HARDWARE	W/O	WITHOUT
HGT	HEIGHT	WP	WATERPROOFING
HM	HOLLOW METAL	WWM	WELDED WIRE MESH
HP	HIGH POINT	WWF	WELDED WIRE FABRIC
HSS	HOLLOW STRUCTURAL SECT		
HTG	HEATING		

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2020 NEW STATE BUILDING CODE.
2. CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL EXISTING CONDITIONS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT OR ENGINEER AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
3. ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH EXISTING CONDITIONS.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENTS SHALL APPLY CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONAL OR THE STRUCTURE.
6. FURNISH ALL SCAFFOLDING, HOISTING EQUIPMENT AND ANY OTHER EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
7. THE CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE CAUSED BY HIM DURING OR RESULTING FROM HIS OPERATIONS.
8. CONTRACTOR SHALL REPLACE ALL EXISTING CONSTRUCTION BEING REMOVED FOR CONSTRUCTION PURPOSES, MATCH EXISTING CONSTRUCTION IN KIND.
9. AFTER CHECKING AND VERIFYING ALL FIELD MEASUREMENTS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, FULL, COMPLETE, AND DETAILED AS PER INDUSTRY STANDARDS, AND BEARING A STAMP OR WRITTEN INDICATION THAT CONTRACTOR HAS SATISFIED HIS RESPONSIBILITY WITH RESPECT TO THE REVIEW OF THE SUBMISSION.
10. CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED ALL QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS AND SIMILAR DATA, AND REVIEWED OR COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS.
11. ENGINEER WILL REVIEW AND APPROVE SHOP DRAWINGS WITH REASONABLE PROMPTNESS, BUT ENGINEER'S REVIEW AND APPROVAL WILL BE ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT AND FOR COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS AND SHALL NOT EXTEND TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR TO SAFETY PRECAUTIONS OR PROGRAMS INCIDENT THERETO.
12. ENGINEER'S REVIEW AND APPROVAL OF SHOP DRAWINGS OR SAMPLES SHALL NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ANY VARIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS UNLESS CONTRACTOR HAS IN WRITING CALLED ENGINEER'S ATTENTION TO EACH SUCH VARIATION AT THE TIME OF SUBMISSION AND ENGINEER HAS GIVEN WRITTEN APPROVAL OF EACH SUCH VARIATION BY A SPECIFIC WRITTEN NOTATION ON SHOP DRAWING; NOR WILL ANY APPROVAL BY ENGINEER RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS OR FROM RESPONSIBILITY FOR HAVING COMPLIED WITH THE PROVISIONS OF NOTE 10.
13. MATERIALS SHALL NOT BE FABRICATED OR DELIVERED TO THE SITE BEFORE THE SHOP DRAWINGS HAVE BEEN APPROVED.
14. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC., SHALL BE REMOVED AND WORK AREA LEFT CLEAN TO THE OWNER'S SATISFACTION.
15. STRUCTURAL DESIGN COMPLIES WITH THE 2020 EDITION OF THE NEW YORK STATE BUILDING CODE.
16. CONTRACTOR MUST NOTIFY THE COUNTY REPRESENTATIVE OF WORK PROGRESS SO THAT REGULAR PERIODIC INSPECTION OF ALL ASPECTS OF THE CONSTRUCTION WORK, INCLUDING EXCAVATION, SUBGRADES, PILE DRIVING/INSTALLATION, REINFORCEMENT PLACEMENT, CONCRETE PLACEMENT, MASONRY CONSTRUCTION, FRAMING, ETC. WORK CANNOT PROCEED WITHOUT APPROVAL OF AT EACH PHASE OF THE WORK.

CONTROLLED FILL:

1. ALL FILL BELOW THE BUILDING WALLS AND ALL BACKFILL AGAINST BUILDING WALLS SHALL BE CONTROLLED FILL COMPACTED TO 95% OF THE MAXIMUM MODIFIED PROCTOR DENSITY WHEN TESTED IN ACCORDANCE WITH ASTM D 1557.
2. ALL BORROW MATERIAL SHALL BE APPROVED PRIOR TO BEING PLACED.
3. FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES AND SHALL BE COMPACTED PRIOR TO PLACEMENT OF NEXT LIFT.
4. CONTRACTOR SHALL PROVIDE FOR IN-PLACE DENSITY TESTING AS THE WORK PROGRESSES. ALL LIFTS MUST BE APPROVED BY THE SPECIAL INSPECTOR PRIOR TO PROCEEDING WITH THE NEXT LIFT.
5. ALL SOIL COMPACTION SUBJECT TO SPECIAL INSPECTION.

GEOTECHNICAL REPORT:

1. THE RESULTS OF THE GEOTECHNICAL INVESTIGATION FOR THIS SITE ARE PRESENTED IN A REPORT PREPARED BY "THE GEOTECHNICAL DEPARTMENT LLC" DATED SEPTEMBER 20, 2016.
2. RESULTS OF TEST BORINGS INDICATED ON DRAWING B-100.
3. ALL SITE AND FOUNDATION WORK SHALL BE COORDINATED WITH RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.

MASONRY

1. ALL MASONRY MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY BY THE NATIONAL CONCRETE MASONRY ASSOCIATION.
2. LOAD BEARING BLOCK SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS: HOLLOW BLOCK: ASTM C90 UNIT COMPRESSIVE STRENGTH 2150 PSI (MIN) BASED ON NET AREA. SOLID BLOCK: ASTM C145 UNIT COMPRESSIVE STRENGTH 2150 PSI (MIN) BASED ON GROSS AREA.
3. MORTAR FOR BLOCK CONSTRUCTION SHALL BE TYPE M OR S IN ACCORDANCE WITH ASTM C270.
4. GROUT FOR SOLID FILLED BLOCK, WITH OR WITHOUT REINFORCING, SHALL BE 4,000PSI IN ACCORDANCE WITH ASTM C476. GROUT FILLED HOLLOW BLOCK MAY BE USED IN LIEU OF SOLID BLOCK WHERE PLANS INDICATE SOLID BLOCK.
5. UTILIZE HIGH-LIFT OR LOW-LIFT GROUTING TECHNIQUE IN ACCORDANCE WITH ABOVE CODES WHERE GROUTING IS NECESSARY.
6. HORIZONTAL JOINT REINFORCING SHALL BE PROVIDED AT EVERY SECOND COURSE, AND SHALL BE 3/16" X 9 GAUGE ELECTRONCALLY WELDED TRUSS TYPE, GALVANIZED, WIRE REINFORCING WIDTH SIZED TO WALL CONDITION, USE DUR-O-WAL OR EQUAL.
7. ALL MASONRY ANCHORS SHALL BE GALVANIZED.
8. ALL VERTICAL BAR REINFORCEMENT SHALL BE EPOXY COATED.

FOUNDATION:

1. ALL FOOTINGS SHALL BEAR SOUND ROCK, HAVING A MINIMUM SAFE BEARING CAPACITY OF 3.0 TONS PER SQUARE FOOT.
2. ROCK SHALL BE BENCHED AND LEVELED TO RECEIVE FOOTINGS.
3. NO FOOTING CONCRETE SHALL BE PLACED PRIOR TO INSPECTION AND CERTIFICATION OF BY THE SPECIAL INSPECTOR.
4. ELEVATIONS OF FOOTINGS ARE SUBJECT TO CHANGE IN THE FIELD IN ORDER TO SATISFY BEARING REQUIREMENTS.
5. FOOTING - BOTTOM ELEVATION ARE SHOWN ON PLAN.
6. COORDINATE ALL GROUND ELEVATIONS, INTERIOR AND EXTERIOR, WITH APPROVED SITE PLANS AND ARCHITECTURAL PLANS.
7. BACKFILL AGAINST BOTH SIDES OF FOUNDATION WALLS, GRADE BEAMS, OR PIERS MUST BE PLACED IN A BALANCED MANNER.
8. ALL BACKFILL AT WALLS AND GRADE BEAMS SHALL BE CONTROLLED COMPACTED FILL, SUBJECT TO TESTING AND SPECIAL INSPECTIONS.
9. ALL BACKFILL SHALL BE COMPACTED UNDER SOIL ENGINEER'S SUPERVISION TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH REQUIREMENTS OF ASTM D1556 AT OPTIMUM MOISTURE CONTENT SPECIFIED IN ASTM D1557.

STRUCTURAL STEEL:

THE STRUCTURAL STEEL CONTRACTOR SHALL VERIFY THE FOUNDATION CONSTRUCTION FOR ANCHOR BOLT LOCATION, ELEVATION OF TOP OF CONCRETE OR BEARING PLATES, ALIGNMENT, ETC, PRIOR TO START OF ERECTION.

1. FABRICATION AND ERECTION OF ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
2. ALL STEEL SHALL BE NEW, CLEAN AND STRAIGHT MEMBERS CONFORMING TO THE FOLLOWING ASTM MATERIAL STANDARD, STEEL

SHAPE/SECTION	ASTM MATERIAL STANDARD
W	A992
C,MC	A992
L	A992
HSS	A500 GRADE B
PIPE	A53 GRADE B
PLATES	A36

3. ALL SHOP WORK TO BE WELDED OR HIGH STRENGTH BOTLS (3/4" DIAMETER ASTM A325 MINIMUM).
4. STRUCTURAL FASTENERS SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL STANDARD.

FASTENER TYPE	ASTM MATERIAL STANDARD
HIGH-STRENGTH, CONVENTIONAL BOLTS.	A325, A490
HIGH-STRENGTH, TWIST-OFF-TYPE TENSION CONTROL BOLTS.	F1852, FF2280
COMMON BOLTS.	A307 GRADE B
THREADED RODS.	A36
ANCHOR RODS.	F1554 GRADE 36

5. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS, IN ACCORDANCE WITH AWS CODE.
6. ALL COLUMNS SHALL BE FURNISHED WITH CAP PLATES AND BASE PLATES OF THE SIZE INDICATED AND SHALL BE SHOP WELDED.
7. LEVELING PLATES UNDER COLUMN BASE PLATES SHALL BE SET TO EXACT GRADE AND LEVEL IN A BED OF NON-SHRINKING GROUT AT LEAST 5 DAYS PRIOR TO ERECTION OF THE MAIN FRAMING.
8. PROVIDE HOLES, COPINGS, NAIL HOLES, ETC., AS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES. THEY SHALL BE SHOWN ON STRUCTURAL STEEL SHOP DRAWINGS AND SHALL BE SHOP MADE, FIELD BURNING OF HOLES OR CUTS IN STRUCTURAL STEEL MEMBERS WILL NOT BE PERMITTED, EXCEPT WITH THE SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
9. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.
10. CONTRACTOR TO COORDINATE OPENINGS ON ARCHITECTURAL AND MECHANICAL DRAWINGS WITH STRUCTURAL FRAMING PLAN.
11. REPRODUCTION OF STRUCTURAL DESIGN DRAWINGS ARE NOT TO BE SUBMITTED AS SHOP DRAWINGS.
12. PROVIDE TEMPORARY BRACING AS REQUIRED TO RESIST WIND, CONSTRUCTION LOADS, ETC. DURING ERECTION. BRACING TO REMAIN IN PLACE UNTIL ROOF DECK AND MASONRY WALLS ARE COMPLETELY INSTALLED.
13. METAL STRUCTURAL FRAMING STEEL SHALL BE BONDED AND GROUNDED AS PER 2017 NFPA 70 250.4.

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND PRACTICE FOR DETAILING OF REINFORCED CONCRETE, ALL AS AMENDED BY THE NEW YORK STATE BUILDING CODE.
2. ALL CAST-IN-PLACE CONCRETE SHALL BE CONTROLLED STONE CONCRETE HAVING A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF:
   2.1. 4,000 PSI STRUCTURAL SLABS & SLAB-ON-GRADE.
   2.2. 3,500 PSI FOOTINGS, PILE CAPS, WALLS AND GRADE BEAMS.
3. MINIMUM CEMENT FACTOR 5.75 BAGS PER CUBIC YARD OF CONCRETE. CONTRACTOR SHALL SUPPLY CONCRETE HAVING A 28 DAY STRENGTH 25 PERCENT GREATER THAN THE DESIGN STRENGTH SPECIFIED.
4. CONCRETE FOR FLOOR SLABS SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.40, ALL OTHER CONCRETE SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.45.
5. CONCRETE MAY CONTAIN A WATER REDUCING ADMIXTURE, AND/OR HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
6. ADMIXTURES SHALL CONFORM WITH ASTM C-494 REQUIREMENTS AND CONTAIN NO MORE CHLORIDE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
7. ALL PUMPED CONCRETE, ARCHITECTURAL CONCRETE, CONCRETE FOR SLABS, AND OTHER CONCRETE WITH A WATER-CEMENT RATIO OF 0.45 OR LESS SHALL CONTAIN THE HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
8. NON-CHLORINE ACCELERATING ADMIXTURES SHALL BE USED IN ALL CONCRETE SLABS PLACED AT TEMPERATURES BELOW 50 DEGREES F. ADMIXTURE SHALL CONFORM WITH ASTM C-494 REQUIREMENTS, AND CONTAIN NO MORE CHLORINE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
9. AIR ENTRAINING ADMIXTURE CONFORMING TO ASTM C260, SHALL BE USED IN ALL CONCRETE EXPOSED TO THE WEATHER.
10. WHEN CONSTRUCTION JOINTS ARE USED IN SLABS OR BEAMS, THEY SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR, SHALL BE KEYED AND HAVE REINFORCING RUN THROUGH JOINT OR BE DOWELED WITH SUFFICIENT DOWEL EMBEDMENT AND/OR LAP TO DEVELOP FULL STRENGTH OF REINFORCING.
11. HORIZONTAL PLACEMENT STOPS INTERRUPTING THE VERTICAL THICKNESS OF CONCRETE BEING PLACED ARE NOT PERMITTED.
12. PROVIDE PLACEMENT STOPS AND/OR CONTRACTION (CONTROL) JOINTS IN SLABS ON EARTH ALONG ALL COLUMN CENTERLINES, AND BETWEEN (1/2 BAY, 1/3 BAY, ETC.,) SO THAT MAXIMUM JOINT SPACING IS LIMITED TO 25 FT +/-IN ANY DIRECTION.
13. ALL SLABS ON EARTH SHALL BE REINFORCED AS INDICATED ON DRAWINGS.
14. CONCRETE PADS, ETC. NOT CAST INTEGRALLY, WITH SLAB ON EARTH SHALL BE REINFORCED WITH 6x6-6x6 WELDED WIRE MESH (6x6-W2.9xW2.9) AT MID-DEPTH OF SLAB, UNLESS SHOWN OTHERWISE.
15. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL, DEFORMED TYPE, (ASTM A-615 GRADE 60),
16. ALL REINFORCING BARS IN SLABS AND GRADE BEAMS SHALL BE EPOXY COATED A775/A775M or ASTM A934/A934M.
17. ALL STEEL REINFORCING BARS SHALL BE BONDED AND GROUNDED AS PER 2017 NFPA 70 250.4.
18. ALL WELDED WIRE MESH (WWM) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185
19. MINIMUM LENGTH OF SLAB REINFORCEMENT SHALL BE AS PER ACI BUILDING CODE.
20. LENGTH OF REINFORCING SPLICES SHALL CONFORM TO ACI BUILDING CODE REQUIREMENTS.
21. TOP STEEL IN BEAMS AT DISCONTINUOUS ENDS SHALL EXTEND INTO ADJACENT SLAB 40 BAR DIAMETERS OR A MINIMUM OF 2'-0" UNLESS GREATER EXTENSION IS CALLED FOR ON DRAWINGS.
22. CONCRETE SHALL BE CURED WITH APPROVED METHODS FOR A MINIMUM OF SEVEN DAYS AFTER PLACEMENT.
23. CONCRETE PROTECTION FOR REINFORCING STEEL, SHALL BE AS FOLLOWS UNLESS INDICATED OTHERWISE ON DRAWINGS

SLABS	3/4"
BEAMS	1-1/2"
COLUMNS/PIERS	2"
CONCRETE PLACED ON GROUND	3"

24. USE CHAIRS TO LOCATE & HOLD ALL REINFORCEMENT IN PLACE.
25. PROVIDE 3/4" CHAMFER AT CORNERS OF ALL CONCRETE BEAMS AND COLUMNS EXCEPT AS DIRECTED BY ARCHITECT.
26. GROUT FOR STEEL COLUMN BASES TO BE NON-SHRINKING MORTAR, OR APPROVED MANUFACTURED NON-SHRINK GROUT.
27. SUBMIT SHOP DRAWINGS OF REINFORCING STEEL FOR REVIEW BEFORE FABRICATION.
28. ALL CONCRETE WORK, INCLUDING CONCRETE, FORMS AND REINFORCEMENT SHALL BE INSPECTED AT THE WORK SITE BY QUALIFIED INSPECTORS. A RECORD SHALL BE KEPT OF SUCH INSPECTION WHICH SHALL COVER THE CERTIFICATION OF THE CONCRETE AS REQUIRED BY THE BUILDING CODE FOR THE PLACING OF THE CONCRETE, THE SLUMP, UNIT WEIGHT, AIR CONTENT OF THE CONCRETE, PLACING OF THE REINFORCING STEEL, THE SIZE AND DIMENSION OF THE CONCRETE MEMBERS AND REINFORCING, AND A COMPLETE RECORD OF ALL TEST SAMPLES AND RESULTS.
29. THE PRODUCER OF CONCRETE SHALL USE MIX PROPORTIONS AND WATER CEMENT RATIOS WHICH HAVE BEEN SHOWN BY PREVIOUS TESTS TO PRODUCE SATISFACTORY CONCRETE OF THE REQUIRED STRENGTH AT A SLUMP OF 5 INCHES WITH A TOLERANCE OF PLUS OR MINUS 1 INCH. EACH LOAD OF CONCRETE SHALL BE CERTIFIED BY THE PRODUCER TO THE OWNER AS TO THE CONCRETE STRENGTH AND QUANTITIES PER CUBIC YARD OF EACH MATERIAL. A COPY OF SUCH CERTIFICATION SHALL BE READILY AVAILABLE TO THE BUILDING DEPARTMENT DURING THE PROGRESS OF THE WORK AND FOR TWO YEARS THEREAFTER.
30. SAMPLES MUST BE TAKEN FROM MIXER AND TESTED FOR SLUMP, AIR CONTENT, TEMPERATURE, AND WEIGHT PER CUBIC FOOT AS PER 27-607. FOR EACH CLASS OF CONCRETE POURED EACH DAY FOUR (4) TEST CYLINDERS SHALL BE MADE FROM SAMPLING FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF. CYLINDERS SHALL BE CURED AND STORED AND TESTED AS REQUIRED BY THE NEW YORK STATE CODE.

STRUCTURAL DESIGN CRITERIA

APPLICABLE CODE: NEW YORK STATE BUILDING CODE 2020

DEAD LOADS:

APPLICABLE DEAD LOADS ARE SHOWN FOR EACH STRUCTURE. SEE INDIVIDUAL FRAMING PLANS.

FOR THE DELEGATED DESIGN OF THE ENGINEERED BUILDING, THE CONTRACTOR SHALL INCLUDE ANY MANUFACTURER SPECIFIC DEAD LOADS AS WELL AS DEAD LOADS FOR ALL COMPONENTS SHOWN IN THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND SPRINKLER DRAWINGS.

LIVE LOAD:
MINIMUM ROOF LIVE LOAD: 25 PSF
MEZZANINE LIGHT STORAGE: 120 PSF

SNOW LOAD:
GROUND SNOW LOAD: 30 PSF
SNOW LOAD: 25.2 PSF
SNOW EXPOSURE FACTOR (Ce): 1.0
SNOW IMPORTANCE FACTOR (Is) 1.0
THERMAL FACTOR (Ct): 1.2

WIND LOAD:
BASIC WIND SPEED: 114 MPH
OCCUPANCY CATEGORY II
WIND IMPORTANCE FACTOR (Iw): 1.0
WIND EXPOSURE: C

EARTHQUAKE:
IMPORTANCE FACTOR (Ie): 1.0
SEISMIC OCCUPANCY CATEGORY: II
SOIL SITE CLASS: C
MAPPED SPECTRAL RESPONSE (Ss): 0,281
MAPPED SPECTRAL RESPONSE (S1): 0,061
ADJUSTED SPECTRAL RESPONSE (Sms): 0,365
ADJUSTED SPECTRAL RESPONSE (Sm1): 0,091
DESIGN SPECTRAL RESPONSE (Sds): 0.243
DESIGN SPECTRAL RESPONSE (Sd1): 0,061
SEISMIC DESIGN CATEGORY: B

SPECIAL INSPECTION ITEMS:

THE FOLLOWING ITEMS OF WORK ARE SUBJECT TO SPECIAL INSPECTION BY A QUALIFIED SPECIAL INSPECTION AGENCY, PER THE REQUIREMENT OF THE NEW YORK STATE BUILDING CODE.

THE CONTRACTOR SHALL ENGAGE, HIRE AND PAY ALL COSTS ASSOCIATED WITH PROVIDING SPECIAL INSPECTION SERVICES. COORDINATE WITH INDIVIDUAL SPECIFICATIONS SECTIONS.

CODE REFERENCE	INSPECTION REQUIREMENT
BC 1705.3 & TABLE 1705.3	CONCRETE CONSTRUCTION
REINFORCEMENT & PLACEMENT	PERIODIC
ANCHOR PLACEMENT	CONTINUOUS
CONCRETE SAMPLING & TESTING	CONTINUOUS
DESIGN MIX	PERIODIC
FORMWORK	PERIODIC
BC 1704.7 & TABLE 1704.7	SOILS
FOOTING SUBGRADE BEARING CAPACITY	PERIODIC
ELEVATION BOTTOM OF FOOTING	PERIODIC
TESTING OF CONTROLLED FILL	PERIODIC
PLACEMENT & COMPACTION OF CONTROLLED FILL	CONTINUOUS
SUBGRADE PRIOR TO CONTROLLED FILL	PERIODIC

BC 1705.2.2 & 1705.2.2 STRUCTURAL STEEL

PERFORM PERIODIC SPECIAL INSPECTION OBSERVATIONS PER THE REQUIREMENTS OF AISC 360-11 FOR:

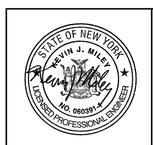
WELDING BEFORE, DURING AND AFTER WELDING COMPLETED.

HIGH STRENGTH BOLTING BEFORE, DURING AND AFTER BOLTED CONNECTIONS COMPLETED.

BC 1705.12.3 COLD-FORMED STEEL LIGHT GAUGE FRAMING

PERIODIC SPECIAL INSPECTION OBSERVATIONS OF SCREW ATTACHMENTS, BOLTING, ANCHORING FOR ALL EXTERIOR WALLS AND ROOF CONSTRUCTION.

BC 1705.6 & TABLE 1705.6	INSPECTIONS & TESTS OF SOILS
VERIFY BEARING CAPACITY	PERIODIC
VERIFY FOOTING DEPTH & PROPER MATERIAL	PERIODIC
COMPACTED FILL OPERATIONS & DENSITY TESTING	CONTINUOUS



HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
200 MAMARONECK AVE 506
WHITE PLAINS, NY 10601
PHONE 914.428.0909
INFO@HILLMANMILEY.COM

24.4460

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER S-001
SHEET NO. 26 OF 69

NEW MAINTENANCE & STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE YORKTOWN, NEW YORK

STRUCTURAL NOTES

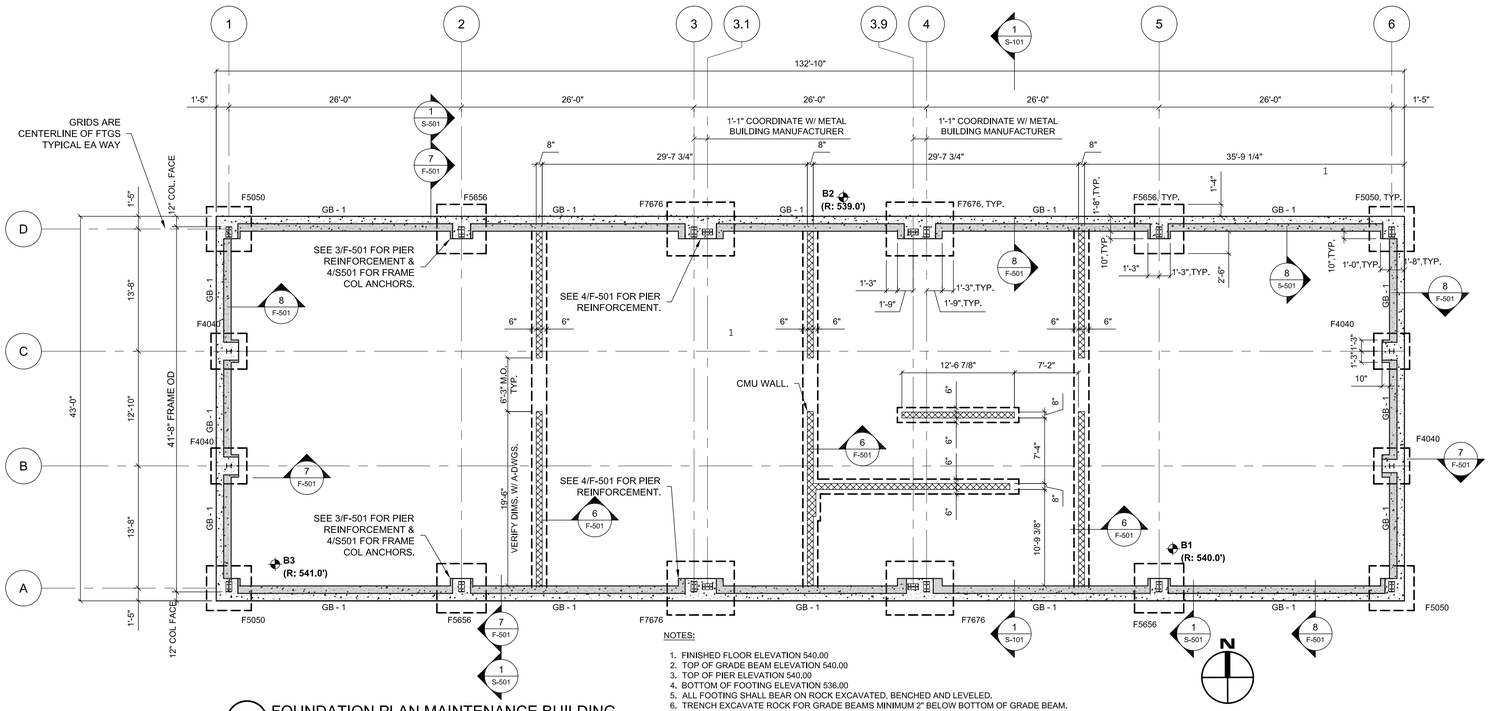
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DATE: 05/01/2026
DPW FILE NO. 10-02-F-118-0
REV. NO. 0

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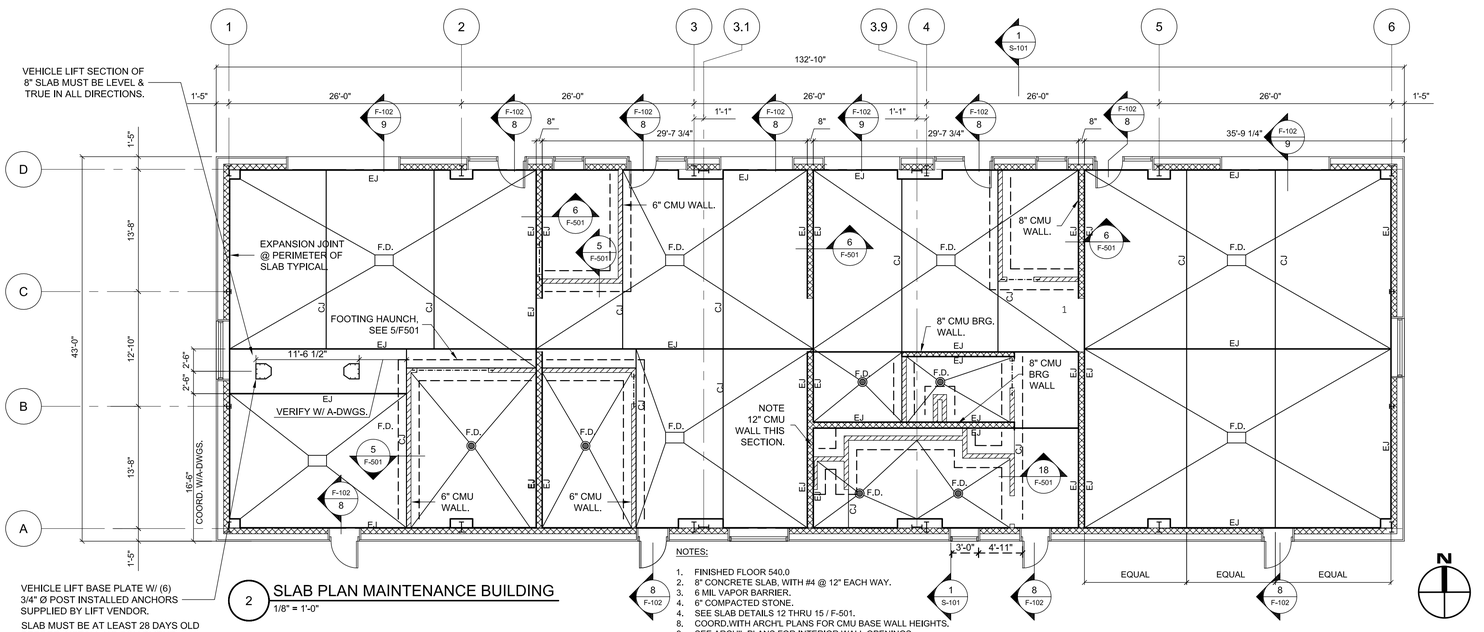


NOTES:

1. FINISHED FLOOR ELEVATION 540.00
2. TOP OF GRADE BEAM ELEVATION 540.00
3. TOP OF PIER ELEVATION 540.00
4. BOTTOM OF FOOTING ELEVATION 536.00
5. ALL FOOTING SHALL BEAR ON ROCK EXCAVATED, BENCHED AND LEVELED.
6. TRENCH EXCAVATE ROCK FOR GRADE BEAMS MINIMUM 2" BELOW BOTTOM OF GRADE BEAM.
7. ELEVATION TOP OF ROCK ESTIMATED FROM GEOTECH REPORT.
8. SEE PLAN 2 FOR TOP OF WALL @ DOORS.
9. SEE DETAILS 5,6 &7 ON F102, PLAN DETAILS @ PIERS.

1 FOUNDATION PLAN MAINTENANCE BUILDING

1/8" = 1'-0"



VEHICLE LIFT BASE PLATE W/ (6) 3/4" Ø POST INSTALLED ANCHORS SUPPLIED BY LIFT VENDOR.
SLAB MUST BE AT LEAST 28 DAYS OLD BEFORE INSTALLING EQUIPMENT.

NOTES:

1. FINISHED FLOOR 540.0
2. 8" CONCRETE SLAB, WITH #4 @ 12" EACH WAY.
3. 6 MIL VAPOR BARRIER.
4. 6" COMPACTED STONE.
5. SEE SLAB DETAILS 12 THRU 15 / F-501.
8. COORD.WITH ARCH'L PLANS FOR CMU BASE WALL HEIGHTS.
9. SEE ARCH'L PLANS FOR INTERIOR WALL OPENINGS.

2 SLAB PLAN MAINTENANCE BUILDING

1/8" = 1'-0"

PROJECT LEGEND:

FND. WALL SEAT	
6" CMU BASE WALL.	
8" CMU BASE WALL.	
MOMENT CONNECTION	MC
KNEE BRACE	KB
BOND BEAM LINTEL	
TEST BORING	
EXPANSION JOINT	
CONTROL JOINT	
GRADE BEAM NUMBER	GB #
CONTROL JOINT, SEE 11/F-501	CJ
EXPANSION JOINT, SEE 12/F-501	EJ
FLOOR DRAIN	F.D.
CONCRETE MASONRY UNIT	CMU
PIER	PIER
FOOTING	F
TOP OF GRADE BEAM	TGB
BOTTOM OF FOOTING	BOF
TOP OF WALL	TOW
EXISTING SOIL	
EXISTING ROCK	
ESTIMATED TOP OF ROCK	(R: 000.0')

NOTE:
METAL STRUCTURAL FRAMING AND STEEL REINFORCING BARS SHALL BE BONDED AND GROUNDED AS PER 2017 NFPA 70 250.4.

NOTES:

FOUNDATION:

1. ALL FOOTINGS SHALL BEAR SOUND ROCK, HAVING A MINIMUM SAFE BEARING CAPACITY OF 3.0 TONS PER SQUARE FOOT.
2. ROCK SHALL BE BENCHED AND LEVELED TO RECEIVE FOOTINGS.
3. NO FOOTING CONCRETE SHALL BE PLACED PRIOR TO INSPECTION AND CERTIFICATION OF BY THE SPECIAL INSPECTOR.
4. ELEVATIONS OF FOOTINGS ARE SUBJECT TO CHANGE IN THE FIELD IN ORDER TO SATISFY BEARING REQUIREMENTS.
5. FOOTING - BOTTOM ELEVATION ARE SHOWN ON PLAN.
6. COORDINATE ALL GROUND ELEVATIONS, INTERIOR AND EXTERIOR, WITH APPROVED SITE PLANS AND ARCHITECTURAL PLANS.
7. BACKFILL AGAINST BOTH SIDES OF FOUNDATION WALLS, GRADE BEAMS, OR PIERS MUST BE PLACED IN A BALANCED MANNER.
8. ALL BACKFILL AT WALLS AND GRADE BEAMS SHALL BE CONTROLLED COMPACTED FILL, SUBJECT TO TESTING AND SPECIAL INSPECTIONS.
9. ALL BACKFILL SHALL BE COMPACTED UNDER SOIL ENGINEER'S SUPERVISION TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH REQUIREMENTS OF ASTM D1556 AT OPTIMUM MOISTURE CONTENT SPECIFIED IN ASTM D1557.

CONTROLLED FILL:

1. ALL FILL BELOW THE BUILDING WALLS AND ALL BACKFILL AGAINST BUILDING WALLS SHALL BE CONTROLLED FILL COMPACTED TO 95% OF THE MAXIMUM MODIFIED PROCTOR DENSITY WHEN TESTED IN ACCORDANCE WITH ASTM D 1557.
2. ALL BORROW MATERIAL SHALL BE APPROVED PRIOR TO BEING PLACED.
3. FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES AND SHALL BE COMPACTED PRIOR TO PLACEMENT OF NEXT LIFT.
4. CONTRACTOR SHALL PROVIDE FOR IN-PLACE DENSITY TESTING AS THE WORK PROGRESSES. ALL LIFTS MUST BE APPROVED BY THE SPECIAL INSPECTOR PRIOR TO PROCEEDING WITH THE NEXT LIFT.
5. ALL SOIL COMPACTION SUBJECT TO SPECIAL INSPECTION.

GEOTECHNICAL REPORT:

1. THE RESULTS OF THE GEOTECHNICAL INVESTIGATION FOR THIS SITE ARE PRESENTED IN A REPORT PREPARED BY "THE GEOTECHNICAL DEPARTMENT LLC" DATED SEPTEMBER 20, 2016.
2. RESULTS OF TEST BORINGS INDICATED ON DRAWING B-100.
3. ALL SITE AND FOUNDATION WORK SHALL BE COORDINATED WITH RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.

PROJECT WIDE SPREAD FOOTING SCHEDULE

MARK	SIZE	DEPTH	BOTTOM REINFORCING EACH WAY	TOP REINFORCING EACH WAY
F4040	4'-0" X 4'-0"	1'-4"	(5) - #5	(5) - #5
F5050	5'-0" X 5'-0"	1'-4"	(6) - #5	(6) - #5
F5656	5'-6" X 5'-6"	1'-4"	(8) - #5	(8) - #5
F6060	6'-0" X 6'-0"	1'-4"	(10) - #5	(10) - #5
F7676	7'-6" X 6'-0"	1'-4"	(11) - #5	(11) -#5

NOTES:
ALL BARS 90° HOOK EACH END.

STATE OF NEW YORK — KEVIN J. MILEY — LICENSED PROFESSIONAL ENGINEER — NO. 060391

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
200 MAMARONECK AVE 506
WHITE PLAINS, NY 10601
PHONE 914.428.0909
INFO@HILLMANMILEY.COM

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RECORD DRAWING CERTIFICATION

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER **23-514** | SHEET NUMBER F101
SHEET NO. 27 OF 69

NEW MAINTENANCE & STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE YORKTOWN, NEW YORK
FOUNDATION PLANS - MAINT. BLDG.

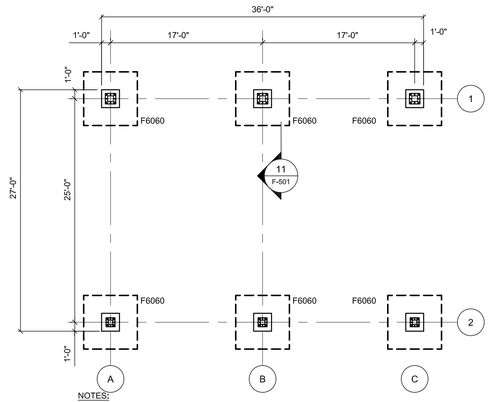
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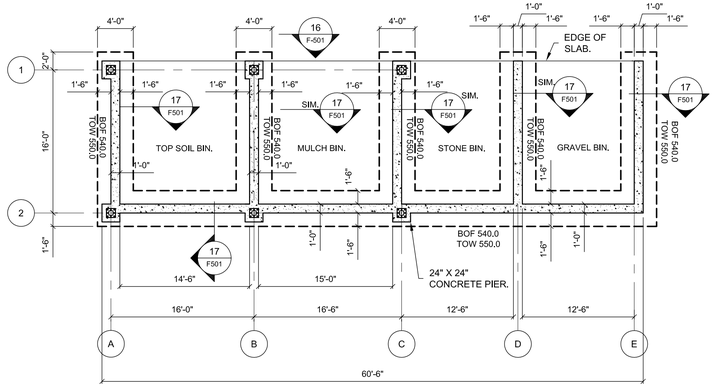


NOTES:

1. FINISHED FLOOR ELEVATION 540.00.
2. SEE SLAB PLAN BELOW FOR PERIMETER HAUNCH SLAB.
3. TYPICAL PIER THIS PLAN 24" X 24",REINFORCE WITH (12) #5 L-BARS INTO FOOTING & #3 TIES AT 6" SPACING..
4. TOP OF PIER ELEVATION 540.00 UNLESS NOTED.
5. BOTTOM OF FOOTING ELEVATION 536.00.
6. ALL FOOTING SHALL BEAR ON ROCK, EXCAVATED, BENCHED AND LEVELED.
7. SEE DRAWING F-101 FOR FOOTING SCHEDULE & FOUNDATION NOTES.

NOTE:
METAL STRUCTURAL FRAMING AND STEEL REINFORCING BARS SHALL BE BONDED AND GROUNDED AS PER 2017 NFPA 70 250.4.

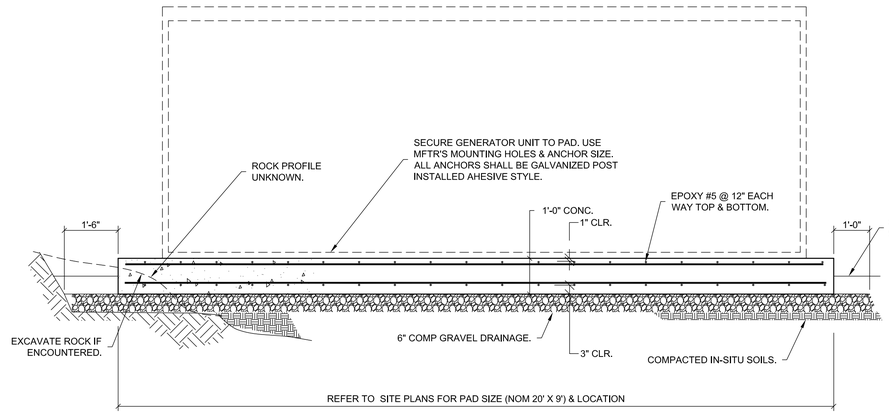
1 FOUNDATION PLAN WASH & FUELING STATION
1/8" = 1'-0"



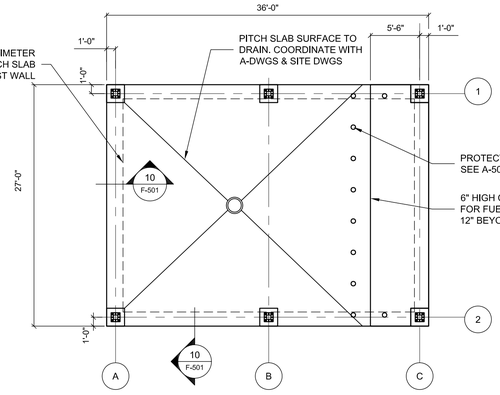
NOTES:

1. FOOTINGS THIS PLAN SHALL BEAR ON UNDISTRIBUTED SOIL OR SOUND ROCK HAVING A MINIMUM SAFE BEARING CAPACITY OF 3.0 TONS / SF.
2. FINISHED FLOOR ELEVATION 544.0. COORDINATE WITH SITE PLANS
3. EACH BIN SHALL HAVE 8" CONCRETE SLAB WITH #4 @12" EACH WAY.
4. 6" COMPACTED STONE BASE.
5. SEE SITE PLANS FOR LOCATION.

3 FOUNDATION PLAN STORAGE BINS
1/8" = 1'-0"



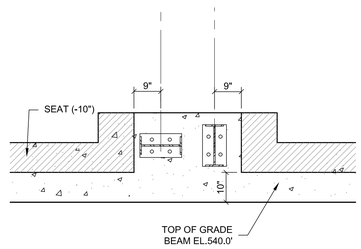
4 GENERATOR PAD DETAIL
1/2" = 1'-0"



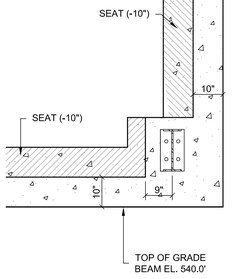
NOTES:

1. FINISHED FLOOR 540.0
2. 6" CONCRETE SLAB, WITH #4 @ 12" TOP & BOTTOM EACH WAY. (2) LAYERS.
3. INSTALL 6" COMPACTED STONE BASE.

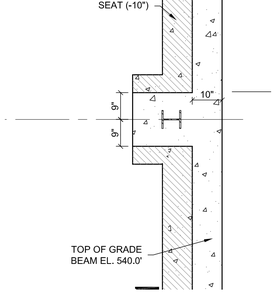
2 SLAB PLAN WASH & FUELING STATION
1/8" = 1'-0"



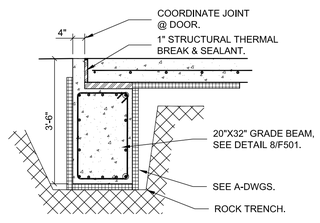
5 PLAN DETAILS @ PIERS
1/2" = 1'-0"



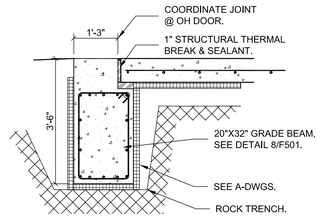
6 PLAN DETAILS @ PIERS
1/2" = 1'-0"



7 PLAN DETAILS @ PIERS
1/2" = 1'-0"



8 TYPICAL SECTION @ DOORS
1/2" = 1'-0"



9 TYPICAL SECTION @ OH DOORS
1/2" = 1'-0"

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
200 MAMARONECK AVE 506
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PHONE 914.428.0909
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SIGNATURE	SIGNATURE
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER **23-514** | SHEET NUMBER F102
SHEET NO. 28 OF 69

NEW MAINTENANCE & STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE YORKTOWN, NEW YORK
FOUNDATION PLANS - MISCELLANEOUS

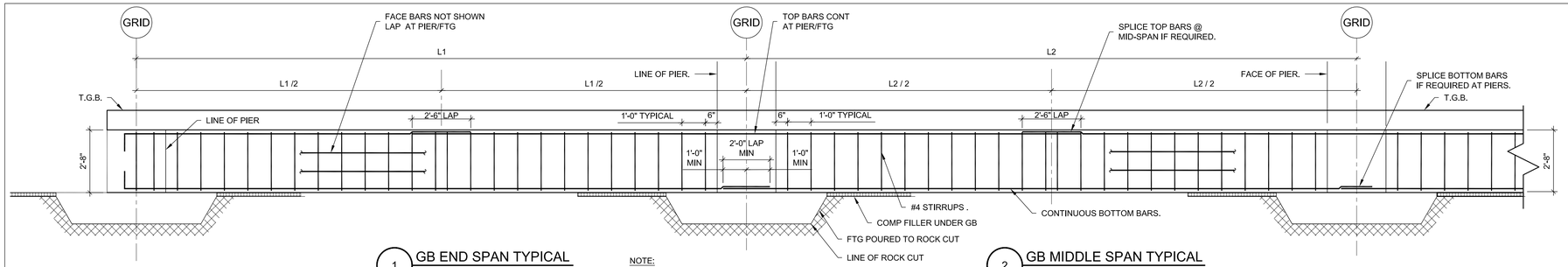
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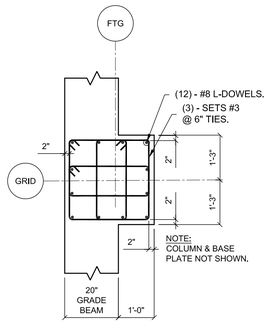
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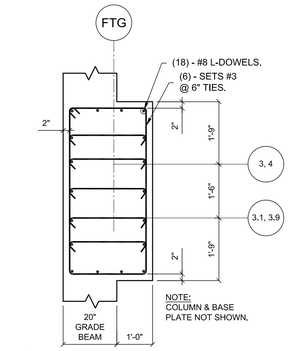
1 GB END SPAN TYPICAL
3/8" = 1'-0"

NOTE:
1. FOR REINFORCEMENT SEE TYPICAL GRADE BEAM DETAIL.

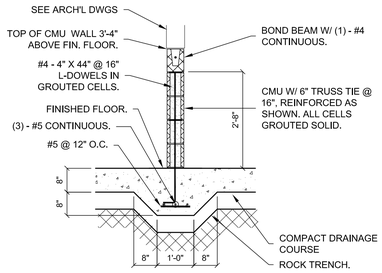
2 GB MIDDLE SPAN TYPICAL
3/8" = 1'-0"



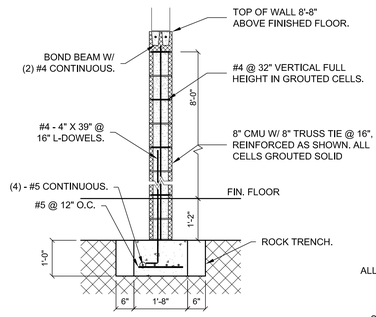
3 PLAN DETAIL - FRAME PIER
1/2" = 1'-0"



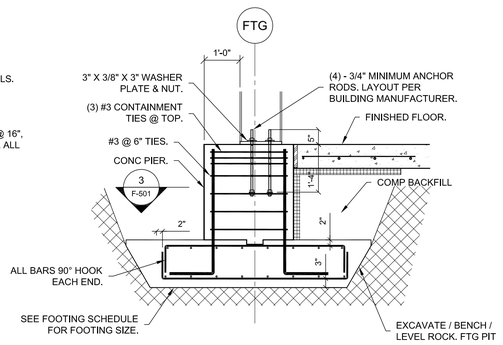
4 PLAN DETAIL - PORTAL FRAME
1/2" = 1'-0"



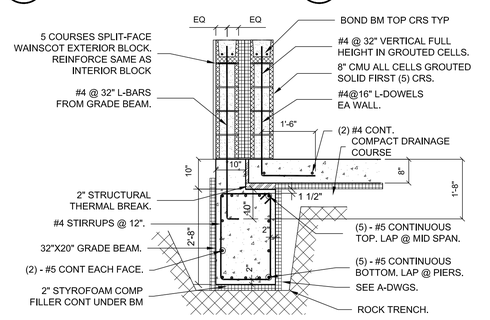
5 TYPICAL SECTION 6" CMU BASE WALL
1/2" = 1'-0"



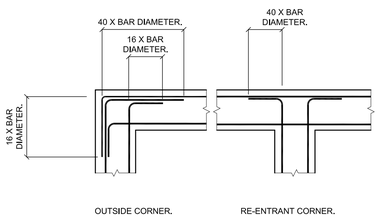
6 TYPICAL SECTION 8" CMU BASE WALL
1/2" = 1'-0"



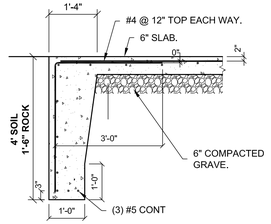
7 TYPICAL BUILDING FRAME COLUMN
1/2" = 1'-0"



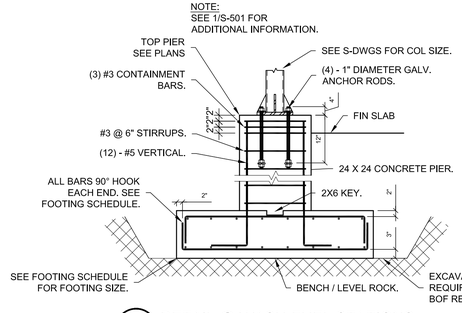
8 TYPICAL SECTION @ GB - 1 & WALL
1/2" = 1'-0"



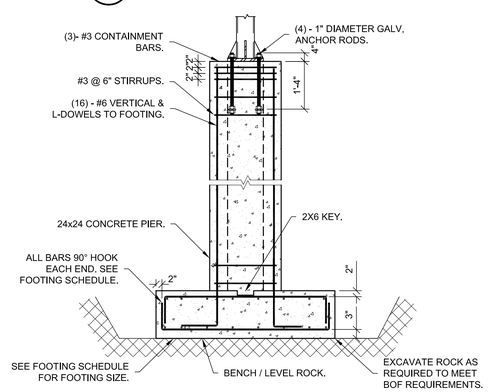
9 PLAN DETAIL REBAR CORNERS
NO SCALE



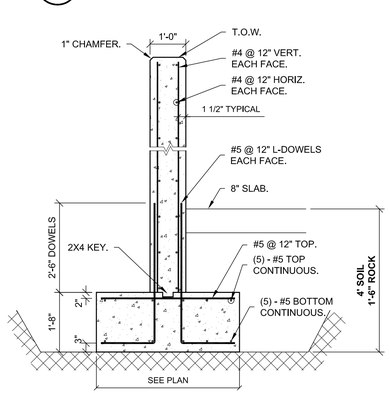
10 HAUNCH SLAB FROST WALL
1/2" = 1'-0"



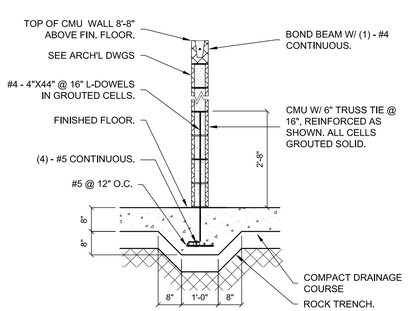
11 DETAIL @ WASH-FUEL STATIONS
3/4" = 1'-0"



16 DETAIL PIERS AT STORAGE BINS
1/2" = 1'-0"

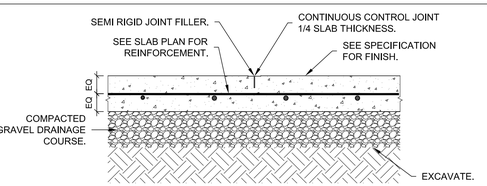


17 SECTION STORAGE BIN WALL
1/2" = 1'-0"

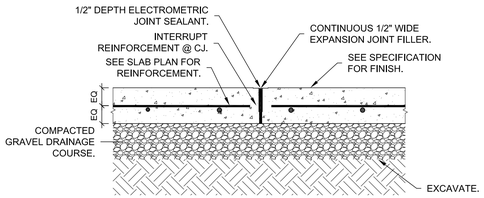


18 TYPICAL 6" CMU BASE WALL UNDER MEZZ.
1/2" = 1'-0"

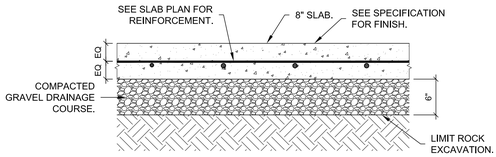
NOTE:
METAL STRUCTURAL FRAMING AND STEEL REINFORCING BARS SHALL BE BONDED AND GROUNDED AS PER 2017 NFPA 70 250.4.



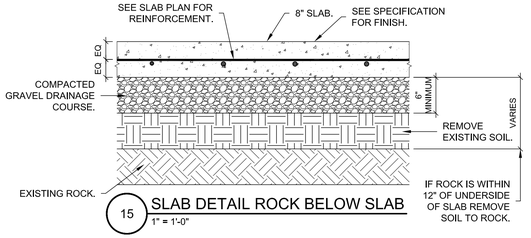
SLAB ON GRADE
12 CONTROL JOINT DETAIL (CJ)
1" = 1'-0"



SLAB ON GRADE
13 EXPANSION JOINT DETAIL (EJ)
1" = 1'-0"



DETAIL ROCK ABOVE
14 SLAB @ ROCK EXCAVATION
1" = 1'-0"



15 SLAB DETAIL ROCK BELOW SLAB
1" = 1'-0"

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STATE OF NEW YORK — KEVIN J. MILEY — LICENSED PROFESSIONAL ENGINEER — NO. 080391

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
200 MAMARONECK AVE 506
WHITE PLAINS, NY 10601
PHONE 914.428.0909
INFO@HILLMANMILEY.COM

24.4460

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER F-501
SHEET NO. 29 OF 69

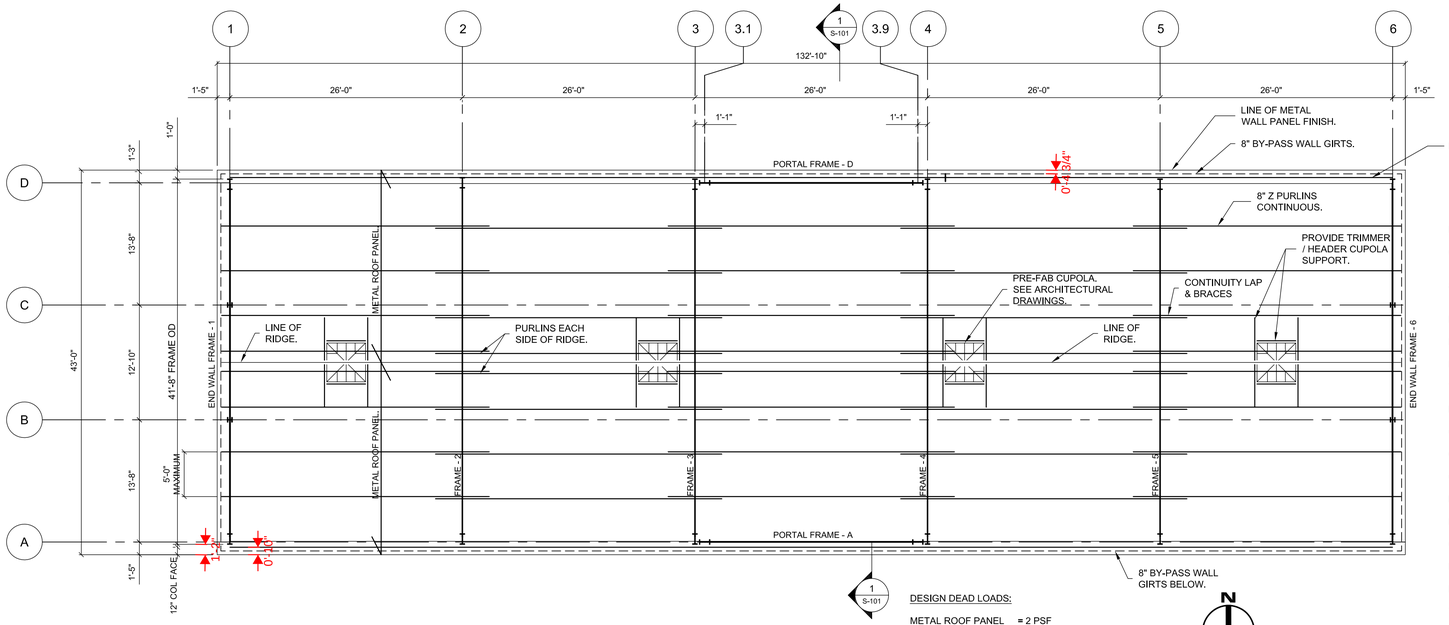
NEW MAINTENANCE & STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE YORKTOWN, NEW YORK

SCALE: AS-NOTED
DATE: 05/01/2026

FOUNDATION DETAILS

DPW FILE NO. 10-02-F-121-0
REV. NO. 0

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NOTES:

1. PROVIDE A COMPLETE, INTEGRATED SET OF MUTUALLY DEPENDENT COMPONENTS AND ASSEMBLIES THAT FORM A METAL BUILDING SYSTEM CAPABLE OF WITHSTANDING STRUCTURAL AND OTHER LOADS, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE OR INFILTRATION OF WATER INTO BUILDING INTERIOR.
2. STRUCTURAL DESIGN OF BUILDING IS DELEGATED TO CONTRACTOR WHO SHALL ENGAGE A QUALIFIED PROFESSIONAL ENGINEER TO DESIGN THE METAL BUILDING.
3. SEE SPECIFICATIONS FOR DETAIL PERFORMANCE REQUIREMENTS.
4. COORDINATE DELEGATED STRUCTURAL DESIGN WITH ARCHITECTURAL DRAWINGS.
5. REFER TO DRAWING S-001 FOR DESIGN PARAMETERS.

DESIGN DEAD LOADS:

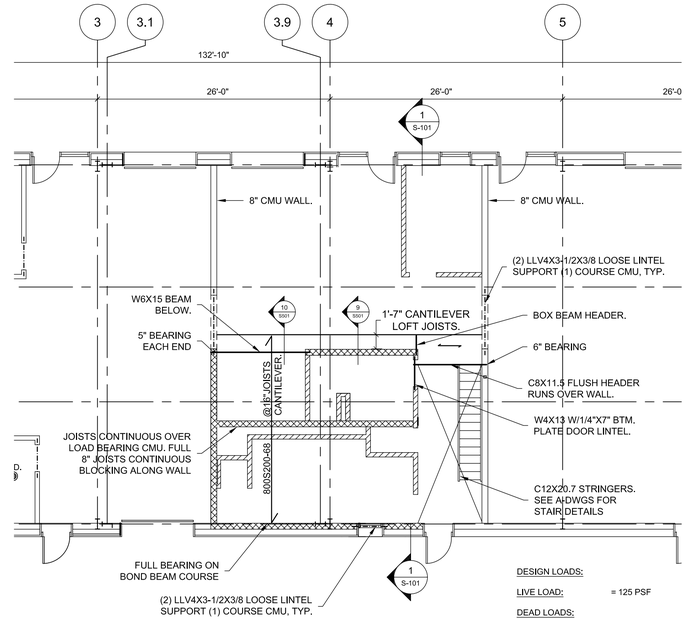
METAL ROOF PANEL	= 2 PSF
INSULATION	= 3 PSF
PURLINS	= ACTUAL
MISC MEP	= 3 PSF
CUPOLA	= ACTUAL
METAL WALL PANELS	= ACTUAL
WALL GIRTS	= ACTUAL

NOTE:
METAL STRUCTURAL FRAMING AND STEEL REINFORCING BARS SHALL BE BONDED AND GROUNDED AS PER 2017 NFPA 70 250.4.

2 ROOF FRAMING PLAN
1/8" = 1'-0"

PROJECT LEGEND:

6" CMU BASE WALL.	
8" CMU BASE WALL.	
MOMENT CONNECTION	MC
KNEE BRACE	KB
BOND BEAM LINTEL	
TEST BORING	
EXPANSION JOINT	
CONTROL JOINT	
GRADE BEAM NUMBER	GB #
CONTROL JOINT, SEE 11/F-501	CJ
EXPANSION JOINT, SEE 12/F-501	EJ
FLOOR DRAIN	F.D.
CONCRETE MASONRY UNIT	CMU
PIER	PIER
FOOTING	F
TOP OF GRADE BEAM	TGB
BOTTOM OF FOOTING	BOF
TOP OF WALL	TOW
EXISTING SOIL	
EXISTING ROCK	
ESTIMATED TOP OF ROCK	(R: 000.0')



NOTES:

1. PROVIDE A COMPLETE FRAMED LOFT FLOOR , USE STRUCTURAL LIGHTGAUGE FRAMING AS INDICATED.
2. PROVIDE COMPLETE SHOP DRAWINGS FOR ALL FRAMING AND CONNECTIONS.
3. SEE SPECIFICATIONS FOR DETAIL PERFORMANCE REQUIREMENTS.
4. COORDINATE STRUCTURAL DESIGN WITH ARCHITECTURAL DRAWINGS.
5. LOFT FINISH FLOOR ELEVATION 8'-8"± ABOVE MAIN FLOOR.
6. FLOORING SHALL BE 3/4" TONGUE & GROOVE STRUCTURAL GRADE PLYWOOD.

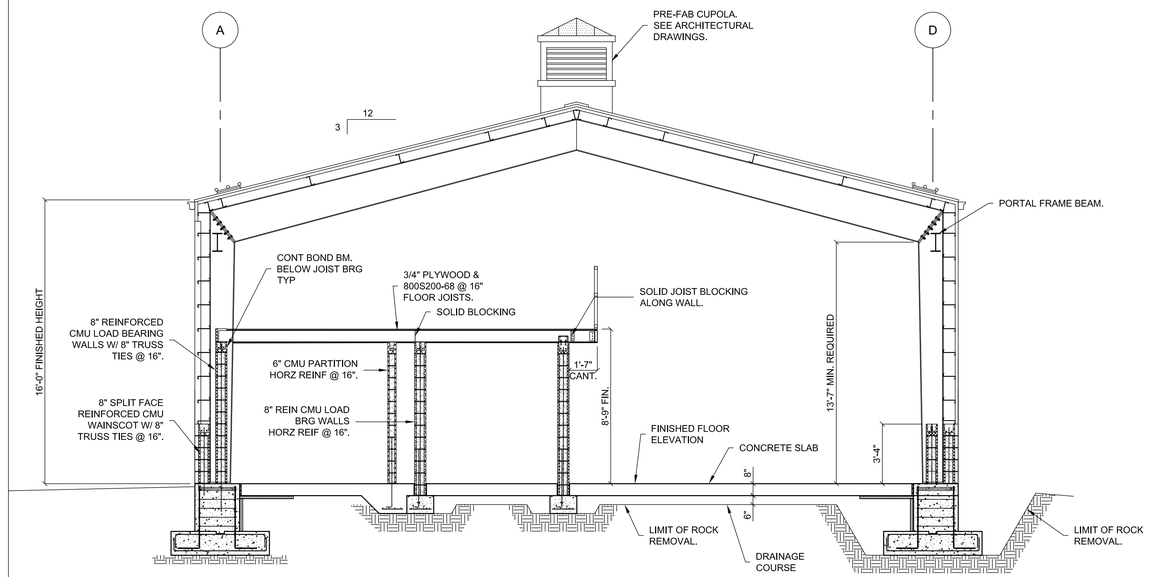
DESIGN LOADS:

LIVE LOAD: = 125 PSF

DEAD LOADS:

PLYWOOD FLOOR	= 4 PSF
8" JOISTS	= 3 PSF
GYPSUM WALLBOARD	= 4 PSF
MISC	= 3 PSF

3 STORAGE LOFT PLAN
1/8" = 1'-0"



1 BUILDING SECTION
1/4" = 1'-0"

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IN CHARGE OF KJM
CHECKED BY KJM
MADE BY TJR/AGS

STATE OF NEW YORK · KEVIN J. MILEY · LICENSED PROFESSIONAL ENGINEER · NO. 060981

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
200 MAMARONECK AVE SUITE 506
WHITE PLAINS, NY 10601
PHONE 914.428.0909
INFO@HILLMANMILEY.COM

24.4460

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

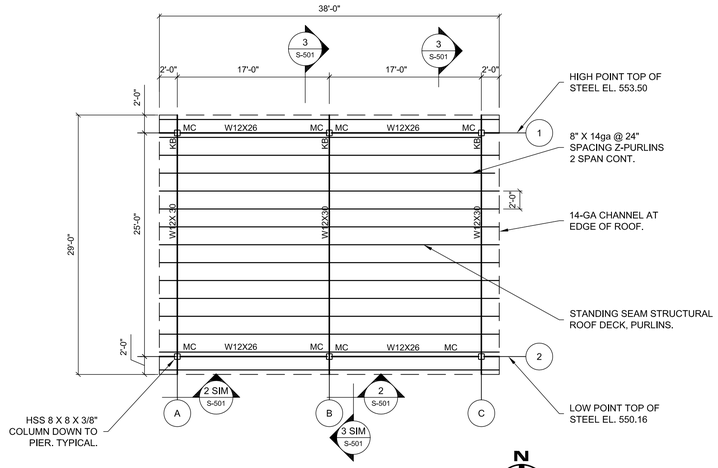
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER **23-514** | SHEET NUMBER S-101
SHEET NO. 30 OF 69

NEW MAINTENANCE & STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE YORKTOWN, NEW YORK
STRUCTURAL FRAMING PLANS -1

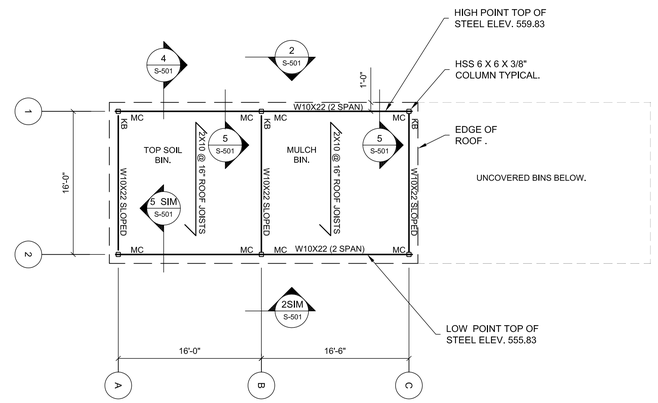
SCALE: AS-NOTED
DATE: 05/01/2026
DPW FILE NO. 10-02-S-122-0
REV. NO. 0

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1 ROOF FRAMING PLAN MAINTENANCE WASH & FUELING STATION

1/8" = 1'-0"



2 ROOF FRAMING PLAN STORAGE BINS

1/8" = 1'-0"

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
200 MAMARONECK AVE 506
WHITE PLAINS, NY 10601
PHONE 914.428.0909
INFO@HILLMANMILEY.COM

STATE OF NEW YORK · KEVIN J. MILEY · LICENSED PROFESSIONAL ENGINEER · NO. 060981

24.4460

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER **23-514** | SHEET NUMBER **S-102**

SHEET NO. 31 OF 69

NEW MAINTENANCE & STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE YORKTOWN, NEW YORK

STRUCTURAL FRAMING PLANS-2

SCALE: AS-NOTED
DATE: 05/01/2026

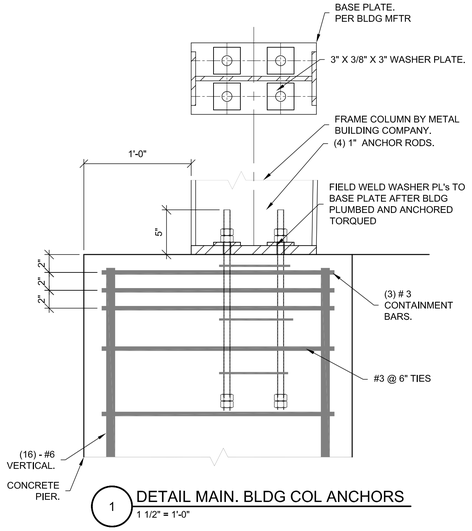
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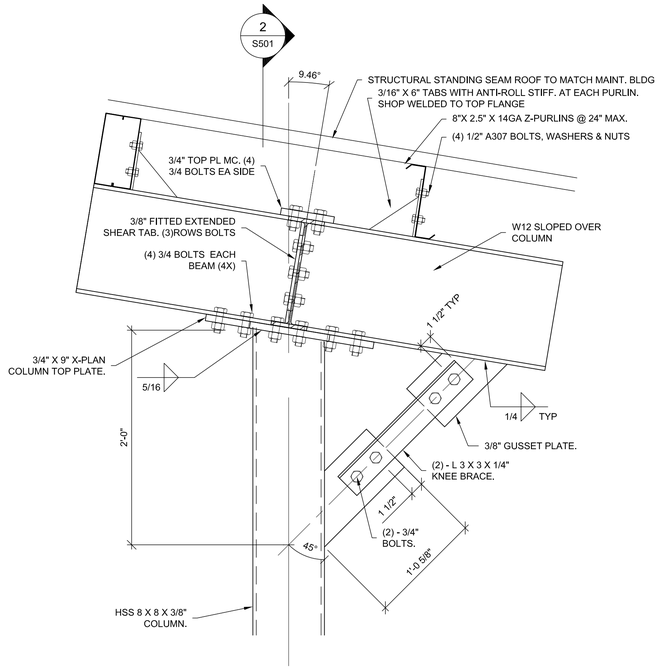
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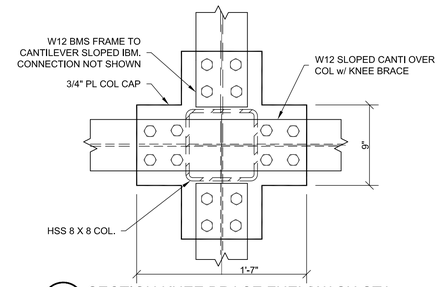
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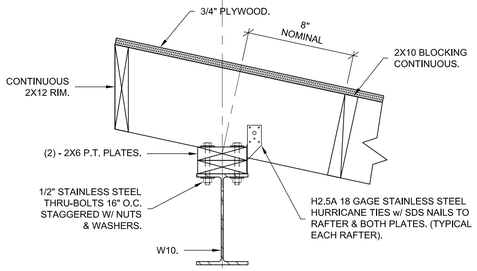


1 DETAIL MAIN. BLDG COL ANCHORS
1 1/2" = 1'-0"

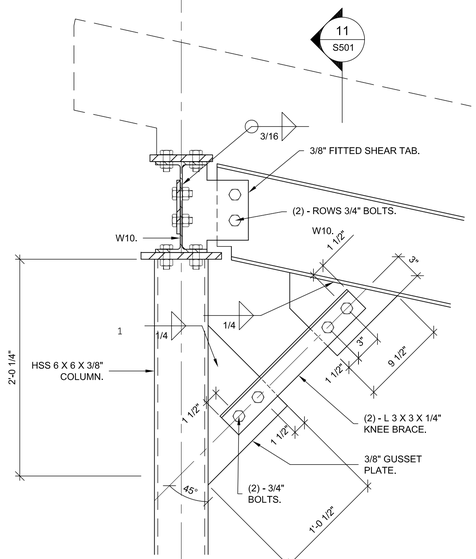




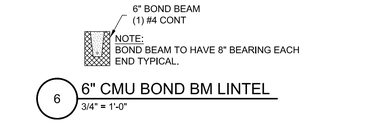
3 SECTION KNEE BRACE FUEL/WASH STA.
1 1/2" = 1'-0"



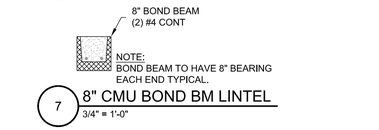
4 SECTION ROOF JOIST STORAGE BINS
1 1/2" = 1'-0"



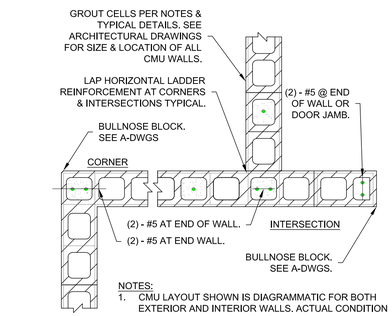
5 SECTION KNEE BRACE - STORAGE BINS
1 1/2" = 1'-0"



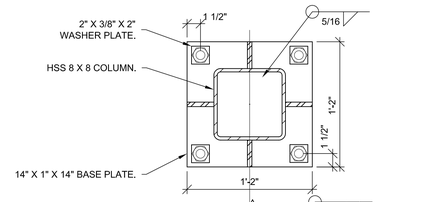
6 6" CMU BOND BM LINTEL
3/4" = 1'-0"

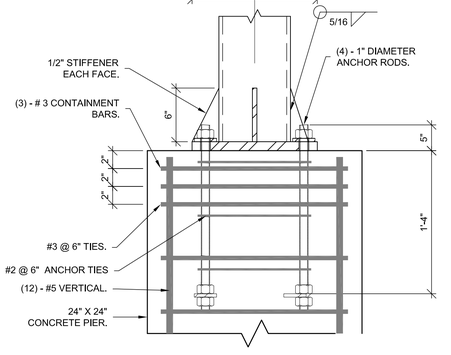


7 8" CMU BOND BM LINTEL
3/4" = 1'-0"

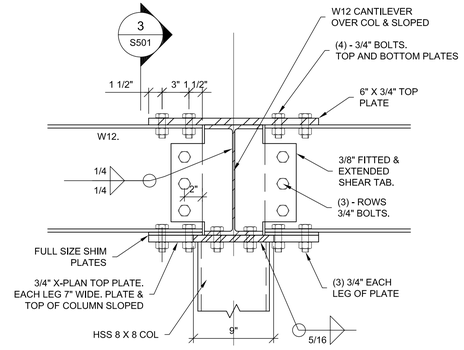


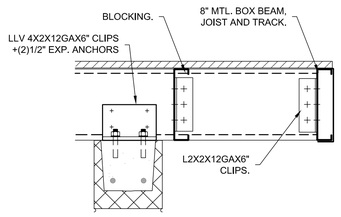
8 MINIMUM REINF'T CMU WALL
3/4" = 1'-0"



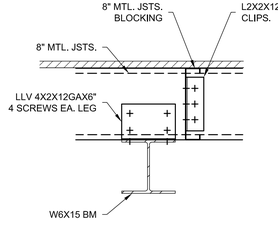


2 DETAIL COL. FUEL/WASH STATION
1 1/2" = 1'-0"

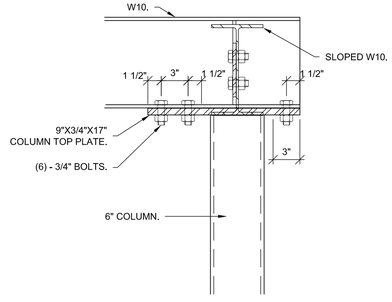




9 SECTION - STORAGE LOFT
1 1/2" = 1'-0"



10 SECTION
1 1/2" = 1'-0"



11 SECTION SLOPED BEAM - STORAGE BINS
1 1/2" = 1'-0"

NOTE:
METAL STRUCTURAL FRAMING AND STEEL REINFORCING BARS SHALL BE BONDED AND GROUNDED AS PER 2017 NFPA 70 250.4.

IN CHARGE OF _____

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200 MAMARONECK AVE 506
WHITE PLAINS, NY 10601
PHONE 914.428.0909
INFO@HILLMANMILEY.COM

24.4460

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORATION
DIVISION OF ENGINEERING

CONTRACT NUMBER **23-514** | SHEET NUMBER S-501
SHEET NO. 32 OF 69

NEW MAINTENANCE & STORAGE BUILDING COMPLEX
MOHANSIC GOLF COURSE YORKTOWN, NEW YORK

SCALE: AS-NOTED
DATE: 05/01/2026

STRUCTURAL DETAILS

DPW FILE NO. 10-02-S-124-0 | REV. NO. 0

C:\Users\asanchez.HM-DB\Box\H&M Projects\2024 Projects\24-4460\Autocad\Autocad Structure\24-4460 Mohansic Maint Bldg S501.dwg, 5/21/2026 11:38:10 AM

(27) PR. SILT FENCE (TYP.)
(17) PR VELOCITY DISSIPATOR
(23) PR. GRASS SWALE
(6) CONTROL STRUCTURE #1B
RIM 534.0
4–6" INV. IN 530.2
12" INV. OUT 530.0
(1) WATER QUALITY SYSTEM #1
(9) 28–STORMWATER INFILTRATORS
GRAVEL BASE EL. 528.8
(7) SETTLING STRUCTURE
RIM 534.0
12" HDPE INV. IN 530.56
12" HDPE INV. OUT 530.40
(5) CONTROL STRUCTURE #1A; RIM 536.25
12" HDPE INV IN 531.95
12" HDPE INV. OUT 531.20
12" BYPASS INV OUT 531.95
EX. FUEL TANK (DIESEL) TO BE RELOCATED
EX. 1000 GAL. U/G STEEL GAS TANK & EX. GAS/PUMP TO BE REMOVED
LIMITS OF DISTURBANCE AREA = 69,781 SF.
EX BARNS TO BE REMOVED ALL DISTURBED AREAS SHALL BE STABILIZED
EX. BARN 2 TO BE REMOVED
EX. BARN 1 TO BE REMOVED
2" PVC ABANDONED WATER SERVICE
2" PVC WATER SERVICE TO REMAIN
6" CIP WATERMAIN
APPROX. LOC. 6" WATERMAIN
72 LF 12" HDPE -1.0% BYPASS PIPE
6" HDPE
4" HDPE
DTA
PHA
PHB
DTB
DTC
50' MIN. SEP. TO CHAMBERS
32 LF 12" HDPE -0.2%
ABANDON EX. SEPTIC TANK AS PER WCDH RULES & REGS
PR. OWTA
39 LF 12" HDPE -2.0%
536.25
EX. BATHROOM AND PASSTHRU TO BE REMOVED AT COMPLETION OF MAINTENANCE BUILDING
(27) TEMP. SOIL STOCKPILE
APPROX. LOCATION DOMESTIC 6" CIP WATERMAIN
PR. W.V.'s
PR. 1" SCH80 WATER SERVICE
EX. HYD.
PR. CB 1
RIM 539.5
INV. 536.5
(10) PR. CB 2
RIM 538.1
INV. 532.7
72 LF 12" ADS -3.6%
EX. SHED
EX. BUILDING 'A' TO REMAIN FF EL. 538.72 (NO PLUMBING INTO OWTS)
(21) DROP CURB
32 LF 12" HDPE -2.0%
PR. CB 3
RIM 539.4
INV. 533.4
TO REMAIN
PR. ASPHALT OVERLAY EX. PAVEMENT
EX. FUEL LINES TO BE REMOVED
EX. BUILDING 'B' TO REMAIN FF EL. 538.50 (NO PLUMBING INTO OWTS) (WATER FOR RECYCLING EQUIP)
PR. WASH RECYCLING EQUIPMENT
PR. CHEMICAL MIXING EQUIPMENT
PR. NEW PAVEMENT
SUMP PUMP
44 LF 12" HDPE -2.0%
PR. D.I. 1
RIM 538.1
INV. 534.5
(11) PR. D.I. 2
RIM 538.35
INV. 535.35
55 LF 12" HDPE -2.0%
60 LF 12" ADS -5.7%
LIMITS OF EX. PVM'T PR. ASPHALT OVERLAY
PR. D.I. 3
RIM 539.8
INV. 536.8
PR. MAINTENANCE BUILDING
F.F. ELEVATION 540.0
PR. INTERIOR DRAIN INLET (TYPICAL)
EX. BLDG. 'C' TO BE REMOVED
PR. 1" SCH80 WATER SERVICE
PR. WATER SERVICE
16 FT. SILT FENCE
6" DRAIN
15' PVM'T
PR. NEW PAVEMENT
PR. ELECTRIC SERVICE
TOPSOIL
MULCH
STONE
GRAVEL
CONTRACT LIMITS
EX. ACCESS ROAD
EX. FENCE
ROCK LEDGE
FAIRWAY
EX. PAVEMENT TO BE REMOVED DISTURBED AREAS TO BE RESTORED
(15) PR. LIMITS OF PAVEMENT OVERLAY
(4) PR. 170 L.F. UNDERGROUND ELECTRIC SERVICE TO BUILDING
EX. 500 GALLON UNDERGROUND DOUBLE WALL STEEL OIL TANK TO BE REMOVED
(14) EX. VEGATATED ISLAND TO BE REMOVED AND PAVED
EX. ABANDONED PUMP PIT AND 2" WATER SERVICES TO BE REMOVED
PR. GENERATOR ON CONC. PAD SEE DESIGN BY OTHERS
EX. U/G WATER TANK TO BE ABANDONED
(25) CONSTRUCTION ENTRANCE (ANTI–TRACKING PAD)
(14) PR. NEW PAVEMENT LIMIT
EX. ABANDONED WELL PIT & WATER LINE TO BE ABANDONED
(13) PR. 18" HIGH EARTH DIVERSION BERM
PR. MATERIAL STORAGE STRUCTURE WITH (20'x36') CANOPY ROOF OVER THE TOPSOIL AND MULCH STORAGE
(2) PR. 138 LF. 6" PVC SCH40 PIPE –2% MIN. (CANOPY ROOF DRAIN)
PR. 'T–TAP BOX' FOR GENERATOR
PR. TRANSFORMER ON CONC. PAD SEE DESIGN BY OTHERS
6" CIP WATERMAIN IRRIGATION SYSTEM
2" PVC WATER SERVICE
U.P. & TRANS. CO.
PR. ASPHALT PAVEMENT (15)
PR. CONC. ASPHALT CURBING (TYPICAL) (20)
PR. WASH & FUELING FACILITY EL. 539.25 W/ (24'x34') CANOPY OVER CONC. PAD, EQUIPMENT PROVIDED BY CARBTROL CORP. MODEL GCW–3 OR AN APPROVED EQUAL
PR. VELOCITY DISSIPATOR (16)
PR. RELOCTED DIESEL TANK & PUMP
PR. 500 GAL. GASOLINE TANK & PUMP
PR. 34 LF. 8" PVC SDR35 PIPE –2% MIN. (2)
PR. NEW PAVEMENT (14)
PR. U/G CONC. OIL SEPARATOR TANK TO COLLECT FLOOR DRAIN WATER AND DISCHARGE TO WASHDOWN SUMP PUMP (8)
PR. PERVIOUS PAVERS AS SHOWN (23)
PR. 6" FTG. DRAIN DISCHARGE TO SWALE
PR. GRASS LINED DIVERSION/ SWALE AROUND BUILDINGS AS SHOWN (22)
PR. 104 LF 6" SCH40 ROOF DRAIN (2)
PR. 230.0 L.F. 2" PVC SCH80 WATER SERVICE INTO BUILDING (12)
PR. 3'x5' CONC. PADS FOR AC CONDENSORS (3)

RALPH G. MASTROMONACO, P.E., P.C.
Consulting Engineers
13 Dove Court, Croton-on-Hudson, New York 10520
(914) 271-4762 (914) 271-2820 Fax

STATE OF NEW YORK — RALPH GEORGE MASTROMONACO — NO. 054495 — LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SITE PLAN - CIVIL

CONTRACT NUMBER	SHEET NUMBER
23-514	C-101

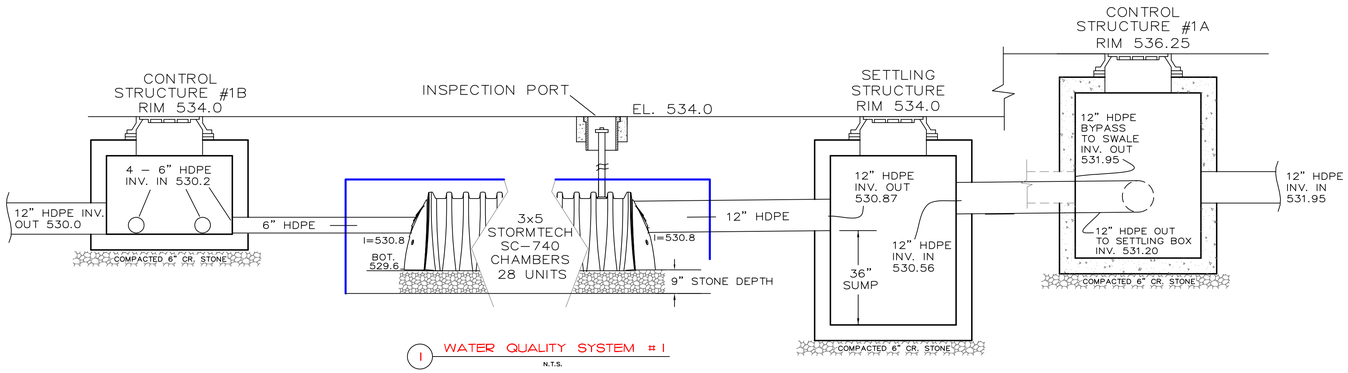
SHEET NO. 33 OF 69
SCALE: 1" = 30'
DATE: 5/1/2026
DPW FILE NO. 10-02-C-125
REV. NO. 0

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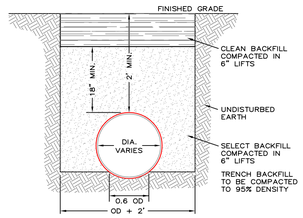
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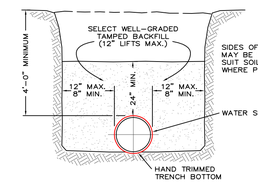
IN CHARGE OF
CHECKED BY
MADE BY



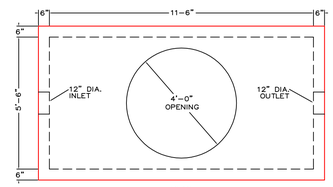
1 WATER QUALITY SYSTEM # 1
N.T.S.



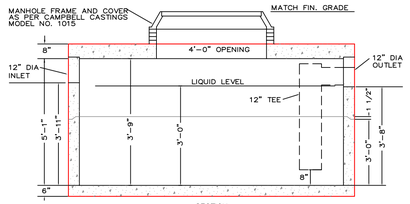
2 STORM DRAIN PIPE BEDDING
N.T.S.



3 WATER TRENCH BEDDING
N.T.S.



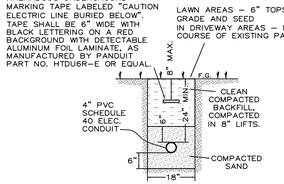
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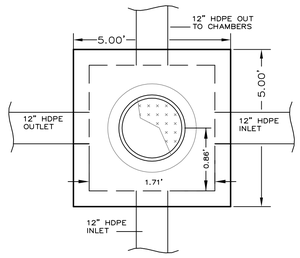
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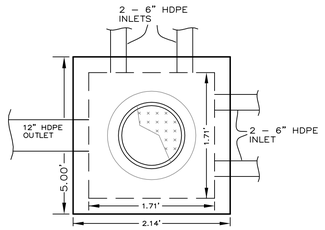
AS MANUFACTURED BY EASTERN PRECAST CO. OR AN APPROVED EQUAL

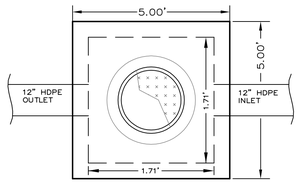
8 1000 GALLON (H-20) LOADING CONCRETE OIL SEPARATION TANK
N.T.S.

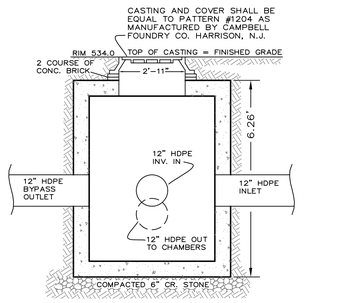


4 ELECTRICAL SERVICE TRENCH
N.T.S.

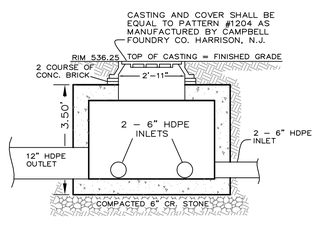




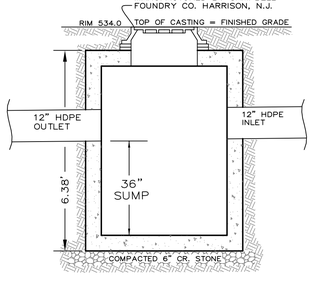




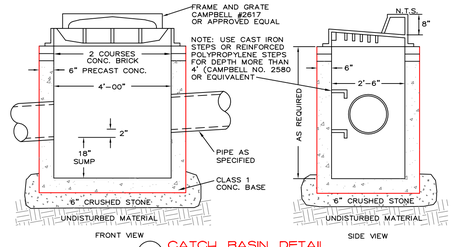
5 STORMWATER CONTROL STRUCTURE SC-1A
N.T.S.



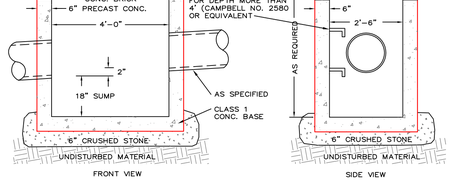
6 STORMWATER CONTROL STRUCTURE SC-1B
N.T.S.



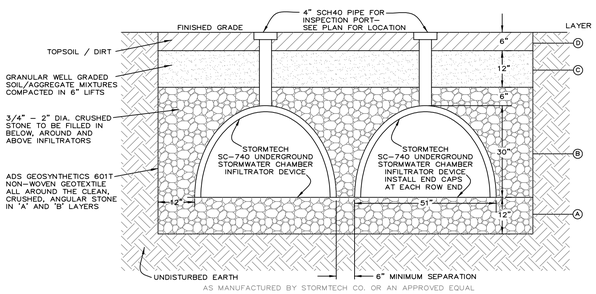
7 SETTLING STRUCTURE
N.T.S.



10 CATCH BASIN DETAIL
N.T.S.



11 DRAIN INLET DETAIL
N.T.S.



AS MANUFACTURED BY STORMTECH CO. OR AN APPROVED EQUAL

9 INFILTRATOR INSTALLATION
N.T.S.

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FINISHED GRADE ABOVE	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/ AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER	AASHTO M145 A-1, A-2-4, A-3 OR AASHTO M43 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE

IN CHARGE OF _____

CHECKED BY _____

MADE BY _____

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RALPH G. MASTROMONACO, P.E., P.C.
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13 Dove Court, Croton-on-Hudson, New York 10520
(914) 271-4762 (914) 271-2820 Fax

STATE OF NEW YORK RALPH GEORGE MASTROMONACO No. 054495 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
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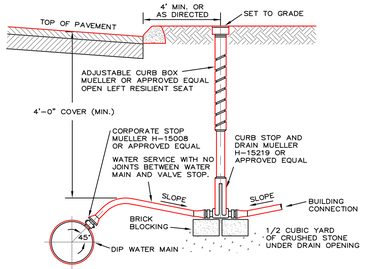
CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

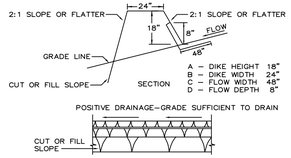
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
CONSTRUCTION DETAILS

CONTRACT NUMBER 23-514
SHEET NUMBER C-102
SHEET NO. 34 OF 69
SCALE: 1" = 30'
DATE: 5/1/2026
DPW FILE NO. 10-02-C-126
REV. NO. 0



12 WATER SERVICE CONNECTION

N.T.S.

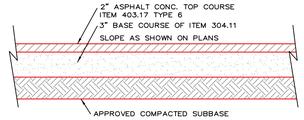


CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH–MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH IF NOT IN SEEDING SEASON; (B) FLOW CHANNEL AS PER THE CHART ON THE PREVIOUS PAGE.

13 EARTHEN DIVERSION BERM

N.T.S.



14 PAVEMENT SECTION

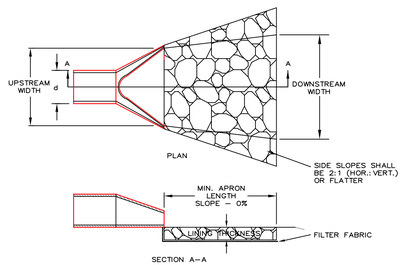
N.T.S.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL LOCATE AND VERIFY IN THE FIELD ALL UTILITIES – GAS, WATER, ELECTRICAL BEFORE THE START OF CONSTRUCTION. CONTRACTOR SHALL CALL CODE 753 (FORMERLY CODE 53).
2. THE INSTALLATION OF WATER AND SEWER SHALL BE UNDER THE DIRECTION OF A N.Y. STATE LICENSED PROFESSIONAL ENGINEER.
3. EROSION CONTROL MEASURES, INCLUDING STAKED HAYBALES, SHALL BE REQUIRED AS DIRECTED BY THE COUNTY, ACCORDING TO STANDARDS DESCRIBED IN THE WESTCHESTER COUNTY BEST MANAGEMENT PRACTICES MANUAL FOR CONSTRUCTION ACTIVITIES.
4. AS BUILT PLANS SHALL BE REQUIRED AND CERTIFIED BY A N.Y. STATE LICENSED PROFESSIONAL ENGINEER.
5. ALL PROPERTY DISTURBED IN THE R.O.W. OR ON PRIVATE LANDS, SHALL BE RESTORED TO NEW CONDITIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICATIONS AND PERMITS REQUIRED FOR CONSTRUCTION.
7. THE ROAD AND UTILITIES SHALL BE STAKED IN THE FIELD BY A N.Y. STATE LICENSED SURVEYOR OR ENGINEER.
8. UNDERGROUND GAS AND ELECTRIC SHALL BE AS REQUIRED BY THE COUNTY OF WESTCHESTER.
9. SITE TOPOGRAPHY IS BY OTHERS. NO CERTIFICATION IS GIVEN.

GENERAL EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND PROCEDURES SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE "WESTCHESTER COUNTY BEST MANAGEMENT MANUAL FOR CONSTRUCTION RELATED ACTIVITIES."
3. PRIOR TO ANY EXCAVATION, SILT FENCE SHALL BE INSTALLED AT THE APPROPRIATE LOCATIONS NOTED ON EROSION CONTROL PLAN. SILT FENCING SHALL BE INSTALLED AS DIRECTED BY THE OWNER'S REPRESENTATIVE IN THE FIELD AND INSTALLED AS PER THE INSTRUCTIONS OF THE MANUFACTURER. ADDITIONAL SILT FENCE MAY BE PLACED BY THE OWNER'S REPRESENTATIVE IN THE FIELD. SILT FENCING SHALL BE MAINTAINED IN OPERABLE CONDITION AND SHALL NOT BE REMOVED UNTIL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
4. IMMEDIATELY TOPSOIL & SEED WITH A MIXTURE OF PERENNIAL RYE GRASS, ANNUAL RYE GRASS AND WINTER RYE AND MULCH WITH 2" OF HAY ALL FINISHED SLOPES AND ALL ROUGH CUT SLOPES TO REMAIN OPEN FOR EXTENDED PERIODS.
5. ALL SLOPES CONSTRUCTED WITH FILL MATERIAL AND ALL SLOPES WITH GRADE 3:1 OR STEEPER SHALL BE TOPSOILED, SEEDED, MULCHED AND STABILIZED WITH STAKED TOBACCO NETTING, UNLESS OTHERWISE NOTED.
6. ALL AREAS OF DISTURBED SOIL SHALL BE STABILIZED. IN ADDITION TO ALL SPECIFIED AND LOCATED EROSION CONTROL DEVICES, THE CONTRACTOR SHALL TAKE ALL STEPS PRUDENT AND NECESSARY TO STABILIZE THE SITE AT ALL TIMES.
7. DO NOT STOCKPILE MATERIALS ON STEEP SLOPES, IN DRAINAGE SWALES OR IN WETLAND AREAS. SURROUND ALL STOCKPILE AREAS WITH STAKED HAYBALES OR SILT SCREEN MATERIALS.
8. ALL CATCHBASINS ARE TO BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
9. HAYBALES SHALL BE USED AT THE TOPS AND TOE OF SLOPES, AS NECESSARY, TO COLLECT SILT AND DIVERT FLOWS. SILT SCREENS WILL BE USED IN AREAS OF UNCONCENTRATED FLOWS TO COLLECT SILT. HAYBALES AND SILT SCREEN ON PLANS MAY BE AUGMENTED IN THE FIELD.
10. UTILITY LINE EXCAVATED MATERIAL SHALL BE TEMPORARILY STOCKPILED ON HIGH SIDE OF EXCAVATION SO RUNOFF IS DIRECTED AWAY FROM TRENCH. AFTER BACK–FILLING, AREA IS TO BE TOPSOILED, SEEDED AND MULCHED.
11. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
12. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE–HALF THE HEIGHT OF THE BARRIER. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ADDITIONAL EROSION OR POLLUTION.
13. INSTALL GRAVEL BED AT CONSTRUCTION ENTRANCE TO SERVE AS ANTI–TRACKING PAD. GRAVEL BED TO BE 2" DIAMETER CRUSHED STONE 6" DEEP.
14. A WATERING TRUCK WILL BE USED IN DRY SEASON TO WET DOWN DUST AREAS.
15. BLASTING AREAS – ROCK RIPPING WILL BE USED WHEREVER POSSIBLE. BLASTING WILL OCCUR IN ACCORDANCE WITH ALL REGULATIONS



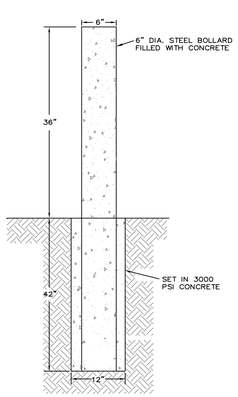
NOTES
1. APRON LINING MAY BE RIPRAP, GROUTED RIPRAP OR CONCRETE
2. LINING THICKNESS SHALL BE 4" FOR CONCRETE, 1.5 TIMES THE MAXIMUM STONE DIAMETER FOR d_{50} = 15" OR LESS, OR 1.2 TIMES
3. FILTER FABRIC SHALL MEET THESE REQUIREMENTS: THICKNESS – 20 – 60 mils, GRAB STRENGTH – 90 – 120 lbs., AND SHALL CONFORM TO ASTM D–1777 AND ASTM D–1682.

PIPE SIZE (INCH)	RIPRAP SIZE (d_{50}) (FEET)	MIN. APRON LENGTH (FEET)	UPSTREAM WIDTH (FEET)	DOWNSTREAM WIDTH (FEET)	RIPRAP SIZE (d_{min}) (FEET)	RIPRAP SIZE (d_{max}) (FEET)	MINIMUM LINING THICKNESS (FEET)
6	0.25	3	1.5	1.5	0.125	0.375	0.562
8	0.25	4	2	2	0.125	0.375	0.562
12	0.75	6	3	3	0.375	1.125	1.68
15	1.0	7.5	3.75	3.75	0.5	1.5	2.25
18	1.25	9	4.5	4.5	0.625	1.875	2.81
24	1.6	12	6	6	0.8	2.4	2.88
36	2.4	18	9	18	1.2	3.6	4.32

TO BE USED BELOW ROAD CULVERTS, WHERE THE CHANNEL GRADE OF THE RECEIVING EARTHEN OR VEGETATED WATERCOURSES IS STEEP, AND/OR CHANNELS ARE EMBEDDED IN HIGHLY ERODIBLE SOILS; BELOW PIPES > 10 INCHES IN DIAMETER THAT DISCHARGE WATER FROM EARTHEN DAMS; BELOW LINED CHANNELS THAT DISCHARGE WATER ONTO AN EARTHEN OR VEGETATED CHANNEL; BELOW VARIOUS GRADE STABILIZATION STRUCTURES, SUCH AS A CONCRETE TOEWALL, THAT DISCHARGE INTO AN EARTHEN OR VEGETATED CHANNEL; IN EXIT CHANNELS IN STANDING OR FLOWING WATER WHERE CHANNEL SCOUR WILL CAUSE SIDE SLOPE EROSION.

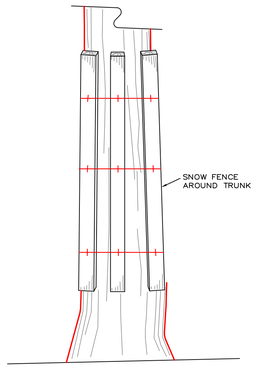
16 VELOCITY DISSIPATOR

N.T.S.



17 STEEL BOLLARD

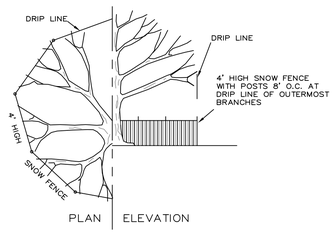
N.T.S.



TO BE USED NEAR CONSTRUCTION ACTIVITIES WHERE DRIPLINE PROTECTION WOULD IMPEDE ACTIVITIES.

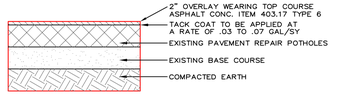
18 TREE PROTECTION TRUNK ARMOR

N.T.S.



19 TREE PROTECTION

N.T.S.

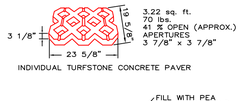


15 PAVEMENT OVERLAY

N.T.S.

22 GRASS SWALE

N.T.S.

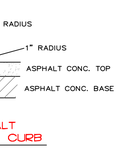


INDIVIDUAL TURFSTONE CONCRETE PAVER

TYPICAL INSTALLATION
TURFSTONE PAVER AS PER "UNILOCK"

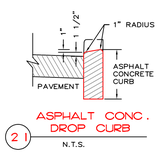
23 PERMEABLE CONCRETE PAVER

N.T.S.



20 ASPHALT CONCRETE CURB

N.T.S.



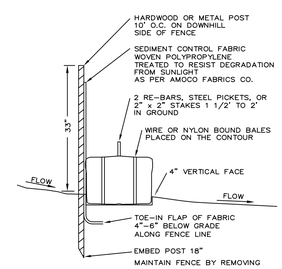
21 ASPHALT CONC. DROP CURB

N.T.S.

STORMWATER DEVICE MAINTENANCE SCHEDULE

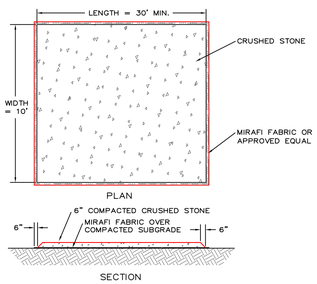
Temporary-During Construction	Weekly	Monthly	Bi-Annually	Annually	Prior To Significant Rainfall	After Significant Rainfall
Haybales		Inspect			Inspect	Inspect/Clean
Silt Fence		Inspect			Inspect	Inspect/Clean
Sediment Trap		Inspect	Clean			Inspect/Clean
Anti-Tracking Pad (Stabilized Construction Entrance)	Inspect				Inspect	Inspect
Inlet Protection	Inspect					Inspect
Catch Basins/Inlets	Inspect				Inspect	Inspect/Clean
Permanent – After Construction						
Catch Basins/Inlets			Clean			Inspect
Control Structures			Inspect/Clean			Inspect

Permanent Stormwater Features	Weekly	Monthly	Bi-Annually	Annually	Prior To Significant Rainfall	After Significant Rainfall
Haybales		Inspect			Inspect	Inspect/Clean
Silt Fence		Inspect			Inspect	Inspect/Clean
Chambers			Inspect			
Filters		Inspect				Inspect



24 SILT FENCE & HAYBALE DETAIL

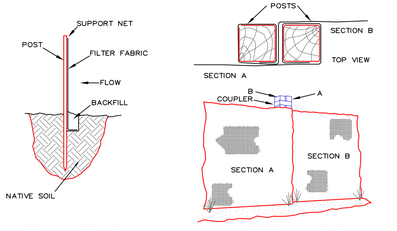
N.T.S.



LOCATE PAD ADJACENT TO POINT WHERE CONSTRUCTION EQUIPMENT AND TRUCKS ARE EQUIPMENT AND TRUCKS ARE EXITING CONSTRUCTION AREAS OF SITE

25 ANTI-TRACK PAD

N.T.S.



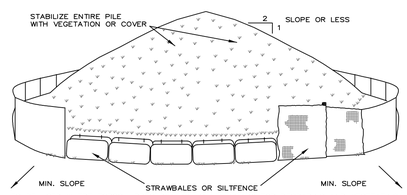
TO BE INSTALLED IMMEDIATELY BELOW DISTURBED AREAS THAT ARE SUSCEPTIBLE TO SHEET OR RILL EROSION; AND WHERE SENSITIVE WATER BODIES, SUCH AS DRINKING WATER SUPPLIES OR WETLANDS, ARE LOCATED DOWNSLOPE OF AN AREA TO BE DISTURBED.

INSTALLATION NOTES

1. EXCAVATE A 4 INCH X 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
4. LAY THE TOE–IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE.

26 SILT FENCE

N.T.S.



TO BE USED WHERE TOPSOIL PRESERVATION IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS. TOPSOIL IS APPLIED TO SUBSOILS THAT ARE DROUGHTY (HAVING LOW AVAILABLE MOISTURE FOR PLANTS), STONY, SALTY, HAVE LOW PERMEABILITY, OR ARE EXTREMELY ACID. IT IS ALSO USED TO BACKFILL AROUND SHRUB AND TREE TRANSPLANTS. PRESERVATION OF EXISTING TOPSOIL IS BENEFICIAL FOR ALL TYPES OF LAWN OR ORNAMENTAL PLANTINGS.

TEMPORARY STOCKPILE STABILIZATION MEASURES INCLUDE VEGETATIVE COVER, MULCH, NON–VEGETATIVE COVER, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND REQUIRED DURATION OF USE.

INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

27 TEMPORARY SOIL STOCKPILE

N.T.S.

RALPH G. MASTROMONACO, P.E., P.C.
Consulting Engineers
13 Dove Court, Croton-on-Hudson, New York 10520
(914) 271-4762 (914) 271-2820 Fax

STATE OF NEW YORK · RALPH GEORGE MASTROMONACO · No. 054486 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER C-103
SHEET NO. 35 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
CONSTRUCTION DETAILS

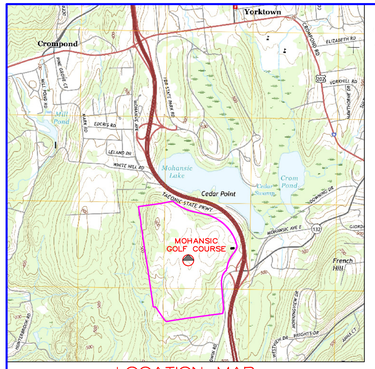
SCALE: 1" = 30'
DATE: 5/1/2026
DPW FILE NO. 10-02-C-127
REV. NO. 0

IN CHARGE OF
CHECKED BY
MADE BY

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NY STATE EDUCATION LAW.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.



LOCATION MAP

SCALE: 1" = 1000'

NOTES

1. OWNER: WESTCHESTER COUNTY, 148 MARTINE AVENUE WHITE PLAINS NY 10601
   SITE LOCATION: 1500 BALDWIN ROAD, TOWN OF YORKTOWN
   TAX MAP DATA: SECTION 36.19 ; BLOCK 1 ; LOT 1
2. THE INSTALLATION OF THE OWTS SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR THE DESIGN AND CONSTRUCTION OF RESIDENTIAL SUBSURFACE SEWAGE TREATMENT SYSTEMS IN WESTCHESTER COUNTY, NY. IF FOR ANY REASON THE APPROVED CONSTRUCTION PLAN CAN NOT BE FOLLOWED, A REVISED PLAN MUST BE PREPARED, SUBMITTED AND APPROVED BY THE WCDH.
3. ELEVATIONS OF THE ONSITE WASTEWATER TREATMENT SYSTEM HAVE BEEN ESTABLISHED BASED ON THE SEWER INVERT AT THE BUILDING LINE AND GROUND ELEVATIONS WITHIN THE ABSORPTION AREA. SHOULD THE SEWER INVERT BE CHANGED, ADJUSTMENTS OF ELEVATIONS TO THE REMAINING PORTIONS OF THE SYSTEM MAY BE REQUIRED. ALL CHANGES SHALL BE ENDORSED BY THE ENGINEER PRIOR TO CONSTRUCTION.
4. THE PROPOSED OWTA SHALL BE ISOLATED AND PROTECTED AGAINST DAMAGE BY EROSION, STORAGE OF EARTH OR MATERIALS, DISPLACEMENT, COMPACTION OR OTHER ADVERSE PHYSICAL CHANGE IN THE CHARACTERISTICS OF THE SOIL OR IN THE DRAINAGE OF THE AREA.
5. THE DESIGN OF THE ONSITE WASTEWATER TREATMENT AREA IS BASED ON A SOIL PERCOLATION RATE OF 10 MIN./INCH, AND A PROPOSED FLOW OF 375 GPD. 15 EMPLOYEES AT 25 GPD/PERSON = 375 GPD/0.9 GPD/S.F. = 416.6 S.F. 416.6 S.F./2 S.F./L.F. = 208 L.F. OF 24" WIDE ABSORPTION FIELDS REQUIRED.
6. THE ONSITE WASTEWATER TREATMENT SYSTEM SHALL INCLUDE THE FOLLOWING IMPROVEMENTS.
   208 L.F. OF 24 INCH WIDE ABSORPTION TRENCH.
   1000 GALLON DUAL COMPARTMENT CONCRETE SEPTIC TANK.
   1 PRECAST CONCRETE DISTRIBUTION BOX (DB1)

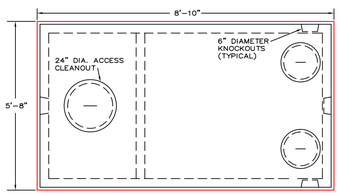
   ADDITIONAL IMPROVEMENTS:
   1.5 FEET OF APPROVED R.O.B. FILL IS REQUIRED WITHIN PRIMARY OWTA ONLY. FILL WILL MEET THE REQUIREMENTS OF THE RULES AND REGULATIONS OF WESTCHESTER COUNTY FOR THE DESIGN AND CONSTRUCTION OF RESIDENTIAL ON-SITE WASTEWATER TREATMENT SYSTEMS AND DRILLED WELLS. R.O.B. FILL SHALL BE PLACED TO DEPTHS SPECIFIED ON THE DRAWINGS. PRIOR TO PLACING FILL THE ENGINEER SHALL INSPECT AND APPROVE THE MATERIAL.
7. THE CONTRACTOR SHALL CONSTRUCT CURTAIN DRAINS AND SWALES AS SPECIFIED ON THE PLAN, IN ORDER TO DIVERT GROUND AND SURFACE WATER AROUND ABSORPTION AREA. ALL ROOF, FOUNDATION AND SURFACE WATER SHALL BE DISCHARGED BELOW THE SEWAGE DISPOSAL AREA.
8. THE CONTRACTOR SHALL REMOVE AND STOCKPILE TOPSOIL WITHIN OWTA. UPON COMPLETION OF CONSTRUCTION OF THE OWTS, THE AREA SHALL BE COVERED WITH 4 INCHES OF CLEAN TOPSOIL, SEEDED AND MULCHED.
9. THERE SHALL BE NO TREES OR STONEWALLS WITHIN 10 FEET OF THE OWTS.
10. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS UPON COMPLETION OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL EMPLOY EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WESTCHESTER COUNTY'S BEST MANAGEMENT PRACTICES MANUAL FOR CONSTRUCTION RELATED ACTIVITIES IN AN EFFORT TO REDUCE EROSION AND PREVENT SEDIMENTATION OF DOWNSTREAM WATERCOURSES.
11. THE PROFESSIONAL ENGINEER IS REQUIRED TO NOTIFY WESTCHESTER COUNTY HEALTH DEPARTMENT, FOR INSPECTION OF THE SYSTEM, UPON COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL NOT BACKFILL THE SYSTEM UNTIL IT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER AND WESTCHESTER COUNTY HEALTH DEPARTMENT REPRESENTATIVE.
12. ANY DEPARTURE FROM APPROVED PLANS DURING CONSTRUCTION MUST FIRST BE APPROVED BY THE DESIGN ENGINEER.
13. OWTS SHALL BE INSPECTED BY THE DESIGN ENGINEER AND THE WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH PRIOR TO BACKFILL. ANY PORTION OF THE SEPTIC SYSTEM COVERED WITHOUT PROPER INSPECTION SHALL BE UNCOVERED AS MAY BE REQUIRED.
14. SURFACE, ROOF, FOUNDATION, CELLAR, COOLING WATER OR AREA DRAINAGE MUST BE SO DISPOSED OF AS TO 1) PERMIT FUTURE RELOCATION OF THE ABSORPTION FIELDS IF NECESSARY; 2) DISCHARGE BELOW AND NOT INTO ONSITE WASTEWATER TREATMENT AREA; 3) ALLOW FOR FINAL GRADING, SEEDING AND PLANTING OF THE BUILDING SITE; 4) PROVIDE LAND SLOPES DRAINING AWAY FROM BUILDING WALLS AND FOOTINGS, BUT NOT ACROSS OR INTO ONSITE WASTEWATER TREATMENT AREAS.
15. CONNECTION FROM A POOL, WHIRLPOOL, OR THEIR FILTER SYSTEMS TO THE WASTEWATER TRATMENT SYSTEM IS PROHIBITED.
16. ALL OUTLETS NOT USED IN DISTRIBUTION BOX SHALL BE CAPPED AND WATERTIGHT.
17. THAT NO BACKFILLING OF A COMPLETED OWTS CAN OCCUR UNTIL AFTER IT HAS BEEN INSPECTED AND ACCEPTED BY WESTCHESTER COUNTY HEALTH DEPARTMENT. ANY PORTION OF THE SEPTIC SYSTEM COVERED WITHOUT PROPER INSPECTION SHALL BE UNCOVERED AS MAY BE REQUIRED.
    BACKFILL SHALL BE CLEAN EARTH ONLY AND SHALL NOT BE TAMPED, ROLLED OR PUDDLED OTHER THAN WITH THE USE OF A HAND ROLLER FOR LAWN MAKING. AT LEAST 4" OF TOPSOIL SHALL EXTEND OVER THE ENTIRE WASTEWATER TREATMENT AREA.
18. IF FOR ANY REASON THE APPROVED CONSTRUCTION PLAN CAN NOT BE FOLLOWED, A REVISED PLAN MUST BE PREPARED, SUBMITTED AND APPROVED BY WCDH.
19. THE DESIGN PROFESSIONAL SHALL SUPERVISE THE CONSTRUCTION OF THE OWTS AND MAKE AN OPEN WORKS INSPECTION OF THE COMPLETED SYSTEM.
20. THE PROPOSED OWTS SHALL BE INSTALLED BY A WESTCHESTER COUNTY LICENSED SEPTIC CONTRACTOR.
21. ALL PIPES CONNECTING TO TANKS AND BOXES SHALL BE CUT FLUSH WITH THE INSIDE WALLS OF THE STRUCTURE.
22. PRIOR TO ANY EXCAVATION ALL UNDERGROUND UTILITIES MUST BE LOCATED. CALL 1-800-962-7962.
23. WITHIN 24 HOURS OF THE COMPLETION OF THE OWTS, THE DESIGN PROFESSIONAL MUST NOTIFY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH (WCDH) THAT THE OWTS IS READY FOR INSPECTION BY SUBMITTING A COMPLETED REQUEST FOR AN OPEN WORKS INSPECTION ON THE APPROPRIATE FORM TO WCDH.
24. THE WESTCHESTER COUNTY HEALTH DEPARTMENT APPROVAL EXPIRES ONE YEAR FROM THE DATE ON THE APPROVAL STAMP AND IS REQUIRED TO BE RENEWED ON OR BEFORE EXPIRATION DATE. THE APPROVAL IS REVOCABLE FOR CAUSE OR MAY BE AMENDED OR MODIFIED WHEN CONSIDERED NECESSARY BY THE DEPARTMENT.
25. CONSTRUCTION OF THE OWTS IS TO BE IN ACCORDANCE WITH THE 60 NYCRR PART 75 AND APPENDIX 75-1.
26. THE OWTS MUST BE SURVEY LOCATED PRIOR TO ITS INSTALLATION.
25. NYCDEP MUST BE CONTACTED TWO DAYS PRIOR TO START OF CONSTRUCTION OF OWTS SO THAT NYCDEP MAY INSPECT AND MONITOR THE INSTALLATION.
26. UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

PROPERTY LIES WITHIN THE CROTON WATERSHED
PROJECT START DATE: SEPTEMBER 1, 2025
PROJECT COMPLETION DATE: SEPTEMBER 1, 2026
TOTAL AMOUNT OF LAND DISTURBANCE IS 69,781 s.f.
CERTAIN SURVEY & TOPOGRAPHICAL INFORMATION HAS BEEN PROVIDED BY WARD CARPENTER LAND SURVEYING

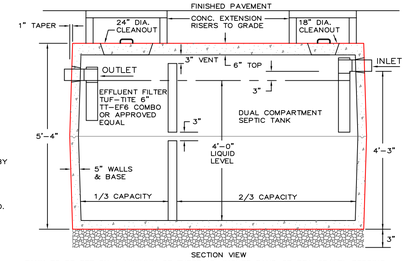
DEEP TEST HOLE DATA

DEPTH	DEEP HOLE 4	DEEP HOLE 5	DEEP HOLE 6
G.L.	TOPSOIL	TOPSOIL	TOPSOIL
12"	UNIFORM MOD TO LOOSE MED COURSE SAND W/ STONES	MOD. COMP. MEDIUM SANDY LOAM	MOD. COMP. MEDIUM SANDY LOAM
24"			
36"			
42"		MOD. COMP. MEDIUM FINE SANDS	MOD. COMP. MEDIUM FINE SANDS W/ SOME STONES
48"			
66"	ROCK AT 5.5'		
72"	NO GROUNDWATER		
84"			NO ROCK/ GROUNDWATER
90"		NO ROCK/ GROUNDWATER	

PERCOLATION TEST DATA
PH4 8 MIN./IN. | PH5 10 MIN./IN. | PH6 6 MIN./IN.



PLAN VIEW



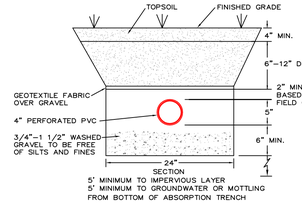
SECTION VIEW

TANK TO BE SET ON A MINIMUM OF THREE (3) INCHES SAND OR PEA GRAVEL BEDDING.
TANK TO BE INSTALLED WITH 6" MINIMUM AND 36" MAXIMUM FILL COVER.
ALL JOINTS SHALL BE SEALED WITH BUTYL RUBBBER SUCH THAT THE TANK IS WATERTIGHT.
CONCRETE ACCESS MANHOLE EXTENSIONS MUST BE PROVIDED TO GRADE
CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
5000 PSI CONCRETE IS RECOMMENDED AS A MINIMUM.
SEPTIC TANK SHALL CONTAIN REINFORCEMENT MEETING AASHO HS20-44 LOADING.
INSTALL EFFLUENT FILTER AT OUTLET. TUF-TITE MODEL TT-EF6 COMBO OR APPROVED EQUAL.

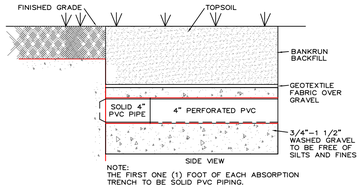
1000 GALLON CONCRETE DUAL COMPARTMENT SEPTIC TANK

28

N.T.S.



SECTION



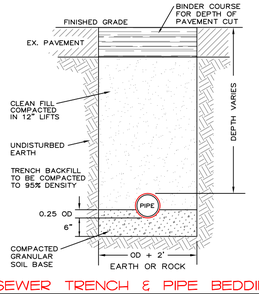
SIDE VIEW

NOTE:
THE FIRST ONE (1) FOOT OF EACH ABSORPTION TRENCH TO BE SOLID PVC PIPING.

ABSORPTION TRENCH DETAILS

29

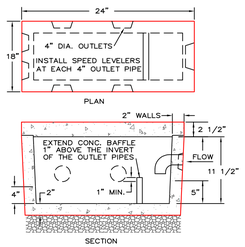
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SEWER TRENCH & PIPE BEDDING

30

N.T.S.



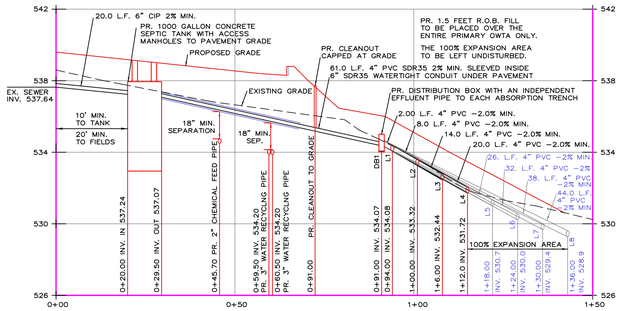
SECTION

BOX TO BE SET ON A 12" MIN. BED OF PEA GRAVEL
PROVIDE A MINIMUM OF SIX (6) OUTLETS
PROVIDE A MAX. OF 12" FILL COVER OVER TOP OF BOX
INSTALL 90 DEGREE TURN DOWN AT INLET W/ 1" AIRGAP
INSTALL SPEED LEVELERS AT EACH 4" OUTLET PIPE.
LEVEL & SUPPORT D.B. SOLIDLY BELOW FROST LINE.
FOOTING TO EXTEND TO 36" BELOW GROUND LEVEL
BOX TO BE WATERPROOFED MASONRY CONSTRUCTION
ALL UNUSED OUTLETS MUST BE CAPPED AND WATERTIGHT.

DISTRIBUTION BOX DETAIL

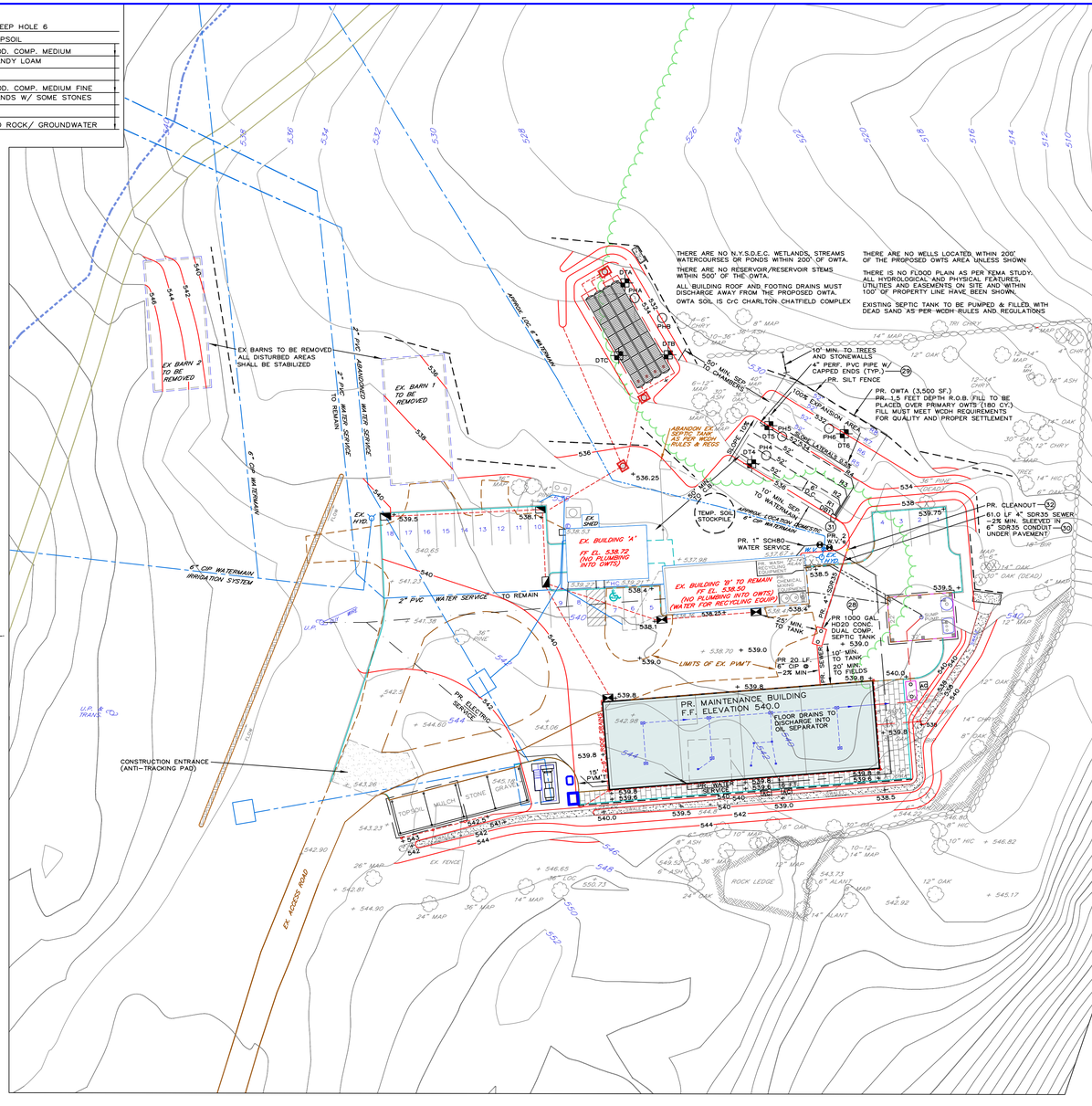
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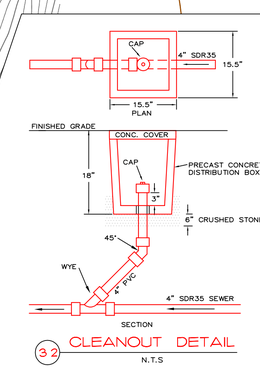
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SEPTIC PROFILE

SCALE: HOR. 1" = 20'
VER. 1" = 4'





CLEANOUT DETAIL

32

N.T.S

RALPH G. MASTROMONACO, P.E., P.C.
Consulting Engineers
13 Dove Court, Croton-on-Hudson, New York 10520
(914) 271-4762 (914) 271-2820 Fax

STATE OF NEW YORK — RALPH GEORGE MASTROMONACO — LICENSED PROFESSIONAL ENGINEER — NO. 054408

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
OWTS DESIGN

CONTRACT NUMBER 23-514
SHEET NUMBER C-104
SHEET NO. 36 OF 69
SCALE: 1" = 30'
DATE: 5/1/2026
DPW FILE NO. 10-02-C-128
REV. NO. 0

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
———	EX.	EXISTING TO REMAIN
———	NEW	NEW WORK
– – – – – –	DEM.	EXISTING TO BE REMOVED
	—	ELBOW UP
	—	ELBOW DOWN
	—	TEE DOWN
	—	TEE UP
	—	PIPE CAP OR FLUSHING CONNECTION
	—	GATE VALVE
	—	OS&Y GATE VALVE
	—	BUTTERFLY VALVE
	—	CHECK VALVE
	—	UNION
	—	TEMPERATURE GAGE
	—	PRESSURE GAGE
WF	—	WATER FLOW SWITCH
TS	—	TAMPER SWITCH
	—	INSPECTORS TEST CONNECTION
	—	FLOW ARROW
	—	SPRINKLER GUARD
E OR E	—	EXISTING SPRINKLER TO REMAIN
OR	—	EXISTING SPRINKLER TO BE REMOVED
N	—	NEW PENDENT SPRINKLER, CONCEALED OR EXPOSED AS NOTED.
N	—	NEW UPRIGHT SPRINKLER
	—	SIDEWALL SPRINKLER
	—	POINT OF CONNECTION
N1	—	HYDRAULIC REFERENCE NODE
S2	—	HYDRAULIC REFERENCE SPRINKLER
	FDC	FIRE DEPARTMENT CONNECTION
	FP	FIRE PUMP
—	AFF	ABOVE FINISHED FLOOR
—	AHC	ABOVE HUNG CEILING
—	ATC	AT CEILING
—	BFP	BACKFLOW PREVENTOR
—	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
—	DCV	DOUBLE CHECK VALVE BFP
—	DN.	DOWN
—	FCA	FLOOR CONTROL ASSEMBLY
—	FD	FLOOR DRAIN
—	FLFD	FUNNEL FLOOR DRAIN
—	GPM	GALLONS PER MINUTE
—	JP	JOCKEY PUMP
—	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
—	(N0)	NORMALLY OPEN
—	(NC)	NORMALLY CLOSED
—	NTS	NOT TO SCALE
—	PRV	PRESSURE REDUCING VALVE
—	PSI	POUNDS PER SQUARE INCH
—	RPZ	REDUCED PRESSURE ZONE BFP
—	SF	SQUARE FOOT
—	TS	TAMPER SWITCH
—	TYP	TYPICAL
—	U.O.N.	UNLESS OTHERWISE NOTED

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

IN CHARGE OF RG
CHECKED BY RG
MADE BY AB

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GENERAL NOTES

A.) THE REVISED SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN EXPERIENCED FIRE PROTECTION CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-13, THE REQUIREMENTS OF THE OWNER, OWNER'S FIRE INSURANCE UNDERWRITER, AND ALL GOVERNMENTAL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PREMESIS.
B.) THE CONTRACTOR SHALL OBTAIN AND FAMILIARIZE HIMSELF WITH THE BUILDING DESIGN CRITERIA AND CONSTRUCTION REQUIREMENTS PRIOR TO SUBMITTING BID. IN THE EVENT OF A DISCREPANCY BETWEEN THE BUILDING DESIGN CRITERIA AND THESE SPECIFICATIONS, THE BUILDING DESIGN CRITERIA SHALL PREVAIL AND THE DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
C.) COORDINATE ALL WORK WITH OTHER TRADES TO MINIMIZE INTERFERENCES WITH NEW AND EXISTING FACILITIES, TO FACILITATE TIMELY COMPLETION AND AVOID NECESSITY FOR CUTTING AND PATCHING. FURNISH TO OTHER AFFECTED TRADES ALL NECESSARY INFORMATION, WORKING DRAWINGS OR MATERIALS REQUIRED FOR INSTALLATION AND COMPLETION OF ALL WORK.
D.) CONTRACTOR SHALL CONDUCT FLOW TEST TO ESTABLISH EXACT FLOW AND PRESSURE AVAILABLE ON THE SITE FOR PREPARATION OF HYDRAULIC CALCULATIONS.
E.) PIPING SHALL BE INSTALLED AS REQUIRED TO SUIT CEILING HEIGHTS, DUCTWORK, AND LIGHTS. PROVIDE AT NO EXTRA COST ALL ADDITIONAL PIPING AND FITTINGS REQUIRED TO OFFSET SYSTEM TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT, BEFORE INSTALLING WORK.
F.) WHEN INSTALLING SPRINKLER HEADS, THE CONTRACTOR SHALL PROVIDE THE SHORTEST HYDRAULIC PIPE LENGTH BETWEEN THE FINAL SPRINKLER HEAD LOCATION AND THE BRANCH LINE CONNECTION. MINIMUM 1" FOR TWO HEADS, 1-1/4" FOR THREE HEADS AND 1-1/2" FOR FIVE HEADS.
G.) EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS SHALL BE AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLANS. SPRINKLER HEADS INSTALLED IN HUNG CEILING WILL BE POSITIONED AS FOLLOWS: LOCATED WITH TOLERANCE ± 1/2" OF THE CENTERLINE OF THE TILES.
H.) INSTALL SPRINKLER HEADS TIGHT TO BOTTOM OF HUNG CEILING WITH CARE THAT THE FINISH IS NOT DAMAGED.
I.) WHEN CONCEALED TYPE SPRINKLER HEADS ARE USED, THE COVER PLATES WILL BE FLUSH WITH THE CEILING PLANE TO LIMIT SHADOW EFFECT. TOLERANCE GREATER THAN ± 1/8" IS UNACCEPTABLE.
J.) PROVIDE TWO 2-1/2 GALLON PRESSURIZED WATER AND ONE 10 LB ABC DRY CHEMICAL EXTINGUISHERS FOR EMERGENCY USE DURING CONSTRUCTION.
K.) FLOW, TAMPER AND ALARM DEVICES MUST BE TIED INTO THE BUILDING'S FIRE ALARM SYSTEM. ALL REQUIRED EXTENDER PANELS, CODE TRANSMITTERS, ETC. AS MAY BE REQUIRED TO INTEGRATE THE SYSTEM EXPANSION SHALL BE FURNISHED AND INSTALLED BY THE SPRINKLER CONTRACTOR.
L.) TAMPER SWITCHES SHALL BE INSTALLED ON ALL OS&Y VALVES.
M.) PROVIDE DRAIN VALVES AT MAIN SHUT-OFF VALVES, LOW POINTS, AND APPARATUS.
N.) THE SPRINKLER CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL UNIT HEATERS WITH THE MECHANICAL CONTRACTOR. SPRINKLER HEADS IN PROXIMITY TO THE UNIT HEATERS SHALL HAVE A TEMPERATURE RATING IN ACCORDANCE WITH NFPA-13 GUIDELINES.
O.) PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL.
P.) ALL HOSE CONNECTION AND FIRE DEPARTMENT CONNECTION THREADS SHALL BE TESTED TO VERIFY COMPATIBILITY WITH THREADS USED BY LOCAL FIRE DEPARTMENT, IN ACCORDANCE WITH NFPA-14, 8.3.
Q.) PROVIDE CUSTOM SPRINKLER HEAD COVER PLATE COLOR TO MATCH SPACE CEILING COLORS. COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
R.) THE SPRINKLER WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE NEW YORK STATE FIRE, BUILDING CODES, AND NFPA-13 STANDARDS. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
S.) THE CONTRACTOR SHALL MAKE A PROVISION FOR (5) EXTRA SPRINKLERS INCLUDING IMMEDIATE BRANCH PIPING, FITTINGS AND ARM-OVERS. THE CONTRACTOR SHALL COORDINATE WITH FINAL CONFIGURATION OF OPEN AND HUNG CEILINGS, ALL HVAC DUCTWORK AND PIPING AND STRUCTURAL ELEMENTS THROUGHOUT THE AREA OF WORK.

DESIGN CRITERIA

HAZARD CLASSIFICATION(1)	DENSITY(2)	PROTECTION AREA PER SPRINKLER(3)
LIGHT HAZARD	0.1 GPM / 1500 SQ. FT.	225 SQ. FT. MAX
ORDINARY HAZARD GROUP 1	0.15 GPM / 1500 SQ. FT.	130 SQ. FT. MAX
ORDINARY HAZARD GROUP 2	0.2 GPM / 1500 SQ. FT.	130 SQ. FT. MAX
EXTRA HAZARD GROUP 1	0.3 GPM / 2500 SQ. FT.	100 SQ. FT. MAX
EXTRA HAZARD GROUP 2	0.4 GPM / 2500 SQ. FT.	100 SQ. FT. MAX

NOTES:
1.) HAZARD CLASSIFICATION, DENSITY AND MAX. PROTECTION AREA SHALL BE IN ACCORDANCE WITH NFPA 13 - 2020 RECOMMENDATIONS UNLESS OTHERWISE NOTED.
2.) WHERE REQUIRED BY THE BUILDING DEPARTMENT OR AUTHORITY HAVING JURISDICTION FOR PERMIT, THE ENTIRE SYSTEM SHALL BE HYDRAULICALLY CALCULATED.
3.) THE MINIMUM PRESSURE AT EACH SPRINKLER HEAD SHALL BE 7 PSI.
4.) EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA 13 - 2020.
5.) DISCHARGE FROM EACH SPRINKLER SHALL NOT BE LESS THAN REQUIRED AREA COVERAGE BY THIS HEAD. AREA COVERAGE PER HEAD SHALL BE DETERMINED IN ACCORDANCE WITH NFPA 13 SECTION 8.6.2.2.1 (2020).
6.) HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO THE CONNECTION TO THE RISER OR SPRINKLER CONTROL VALVE (F.C.A).
FLOW VELOCITY IN SPRINKLER PIPING SHALL NOT EXCEED 20 FEET PER SECOND (FPS).

SPRINKLER SCHEDULE

SYM.	TYPE	LOCATION	FINISH	MANUF.	MODEL	HEAD TEMP.	MAX CEILING TEMP.	ORIFICE	K-FACTOR	MEA#
N	CONCEALED	FINISHED AREAS PER PLANS	COVER PLATE COLOR PER ARCHITECT	RELIABLE	G5-56	165°F	100°F	1/2"	5.6	258-93-E
N	UPRIGHT	EXPOSED AREAS PER PLANS	CHROME PLATED	RELIABLE	F1FR	165°F	100°F	1/2"	5.6	258-93-E

NOTES:
1. SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS
2. PROVIDE METAL WIRE GUARDS WHERE SPRINKLERS ARE SUBJECT TO DAMAGE, SUCH AS SPRINKLER HEADS LOCATED UNDER MECHANICAL DUCTS IN MECHANICAL EQUIPMENT ROOMS WHEN LOCATED LOWER THAN 7'-0" AFF AND HEADS IN TRASH CHUTE.
3. ALL SPRINKLER HEADS THROUGHOUT THE PROJECT AREA SHALL BE OF THE ORDINARY TEMPERATURE RATING EXCEPT AS FOLLOWS:
3.1. SPRINKLER HEADS LOCATED CLOSE TO HEATERS, HOT WATER PIPING OR LOW-PRESSURE BLOW-OFF VALVE SHALL BE OF THE TEMPERATURE RATING AS REQUIRED BY NFPA-13.
3.2. ALL HEAT GENERATING EQUIPMENT WHICH CAN AFFECT THE TEMPERATURE RATING OF THE SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.

THE SPRINKLER WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE NEW YORK STATE FIRE, BUILDING CODES, AND NFPA-13 STANDARDS. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

EQUIPMENT NOTES

1. WATER FLOW ALARM SWITCH: WATERFLOW ALARM SWITCH SHALL BE PROVIDED TO INDICATE WATER FLOW AND PROVIDE A WATER FLOW ALARM. FLOWSWITCH IS BASED ON POTTER VSR SERIES. SWITCH SHALL BE UL LISTED, FM APPROVED AND ENCLOSED IN A WEATHERPROOF, 4X, NEMA 4-RATED ENCLOSURE INCORPORATING TAMPER-RESISTANT SCREWS. THERE SHALL BE TWO SETS OF SPDT (FORM C) CONTACTS RATED AT 10.0 A @ 125/250 VAC AND 2.5 A @6/12/24 VDC.
2. TAMPER SWITCHES: SHALL BE AS MANUFACTURED BY POTTER ELECTRIC SIGNAL CO. FOR EACH POSSIBLE SHUT-OFF VALVE TYPE:
   - MODEL OSYSU-2 - FOR OS&Y VALVES.
   - MODEL PCVS-2 - FOR BUTTERFLY VALVES.
   - MODEL RBVS - FOR BALL VALVES.
   - MODEL PTS-C PLUG TYPE - FOR GATE VALVES.
   - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TAMPER, WATER FLOW, PRESSURE, TEMPERATURE, WATER LEVEL, ETC. SWITCHES AND ALARMS. COORDINATE WITH FIRE ALARM CONTRACTOR TO ENSURE ALL REQUIRED ALARMS / SIGNALS REPORT TO FIRE ALARM PANEL.
3. FIRE DEPARTMENT CONNECTION: SHALL BE BASED ON CROKER 6030 OR EQUAL AT BUILDING FACADE. SIAMESE SHALL BE PLACED BETWEEN 18 INCHES AND 36 INCHES ABOVE GRADE. FIRE DEPARTMENT CONNECTION SHALL HAVE TWO (2) 3" INTERNALLY THREADED SWIVEL FITTINGS WITH THREADS CONFORMING TO AHJ STANDARDS WITH 4" OUTLET. PROVIDE AUTOMATIC BALL DRIP AT FDC FACE PLATE.
4. SPRINKLER HEADS
   A. FINISHED AREAS: PENDENT SPRINKLER HEADS SHALL BE RELIABLE AUTOMATIC SPRINKLER CO., MODEL G5-56, QUICK RESPONSE, PENDENT, CONCEALED AUTOMATIC SPRINKLER. WITH 165°F TEMPERATURE RATED HEAD AND 135°F RATED COVER PLATE. COORDINATE COVER PLATE FINISH WITH ARCHITECT.
   B. EXPOSED TYPE: HEADS SHALL BE RELIABLE MODEL F1FR, QUICK RESPONSE, UPRIGHT, PENDANT, OR SIDEWALL AS SPECIFIED, CHROME PLATED, GLASS BULB TYPE, TEMPERATURE RATED FOR SPECIFIC AREA HAZARD.

OLA consulting engineers
OLA Consulting Engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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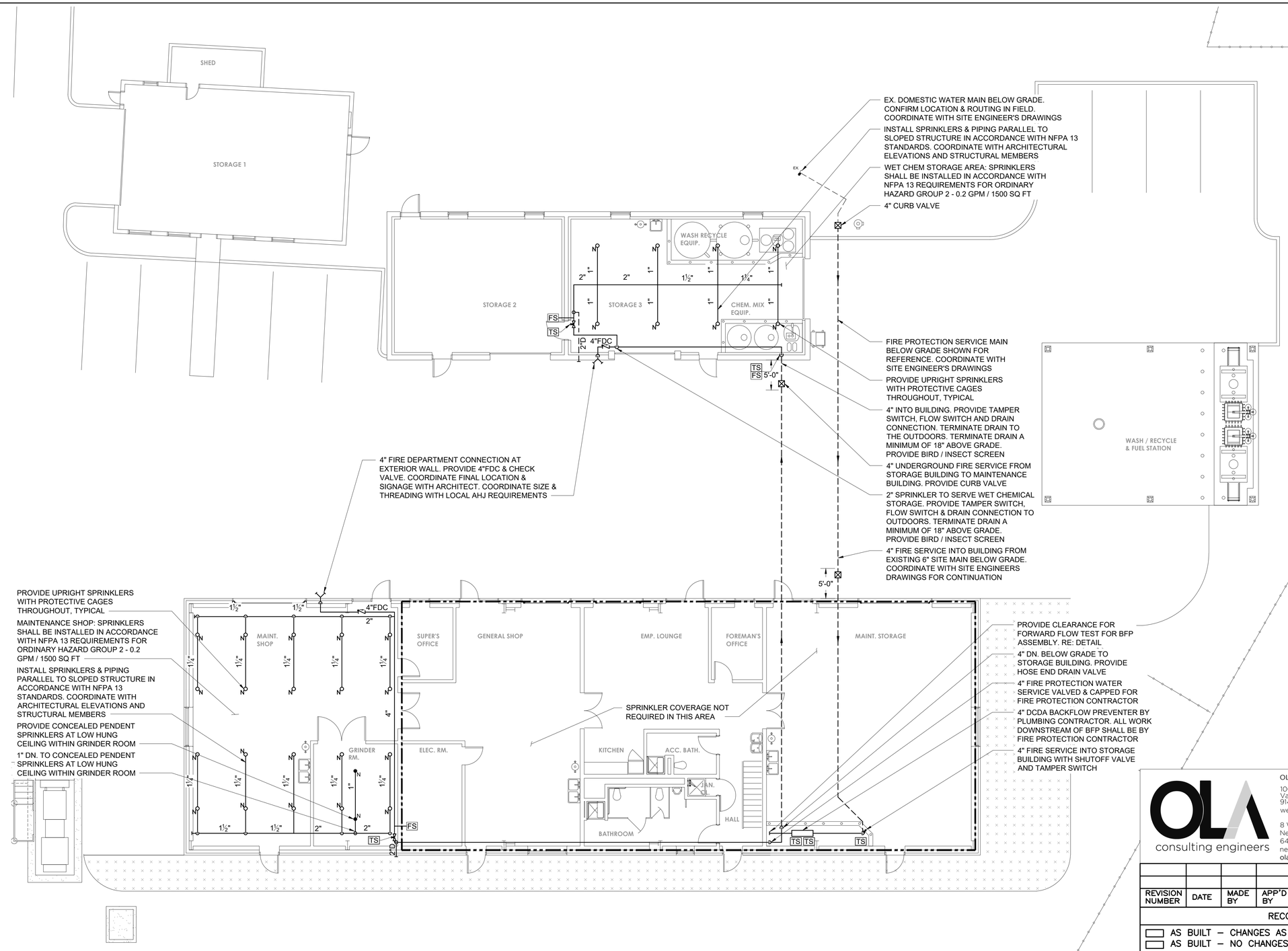
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SPRINKLER SYMBOLS, ABBREVIATIONS & NOTES

CONTRACT NUMBER 23-514
SHEET NUMBER SP-001
SHEET NO. 37 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-SP-129-0
REV. NO. 0



NORTH

1

MAINTENANCE FACILITY
SPRINKLER NEW WORK PLAN

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

NOTES:
1.) PITCH ALL PIPING BACK TO DRAIN VALVE FOR COMPLETE DRAINAGE OF SYSTEM.
2.) PROVIDE PROTECTIVE CAGES ON ALL EXPOSED SPRINKLERS.
3.) PROVIDE LOW POINT DRAINS AND INSPECTOR'S TEST CONNECTION AS REQUIRED.
4.) COORDINATE SPRINKLER PIPING WITH MECHANICAL DUCTWORK, PIPING, STRUCTURAL MEMBERS, STORAGE, AND BUILDING EQUIPMENT.
5.) INSULATE SPRINKLER PIPING WITHIN 2' OF OVERHEAD GARAGE DOORS.

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westchester@olace.com

8 West 38th Street, Suite 900,
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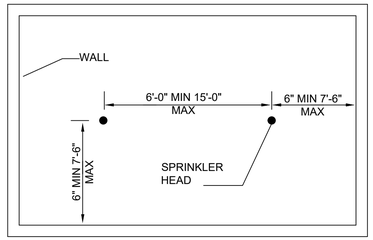
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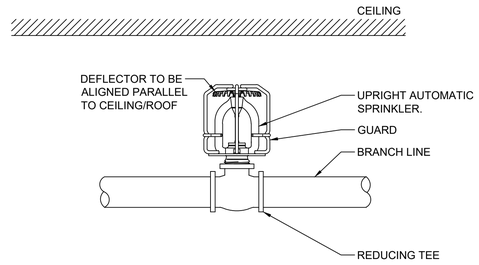
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SHEET NUMBER SP-201
SHEET NO. 38 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-SP-130-0
REV. NO. 0

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
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MAINTENANCE FACILITY SPRINKLER NEW WORK PLAN

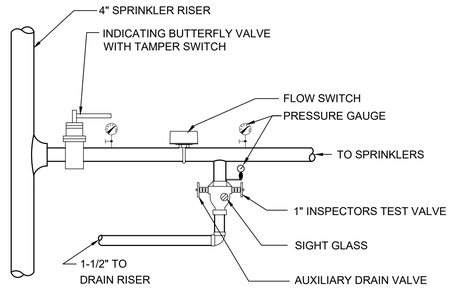


	MAX AREA PER HEAD	DENSITY PER 1500 SQ. FT
LIGHT HAZARD	225 SQ. FT.	0.10 GPM/SQ. FT.
ORDINARY HAZARD	130 SQ. FT.	0.16 GPM/SQ. FT.

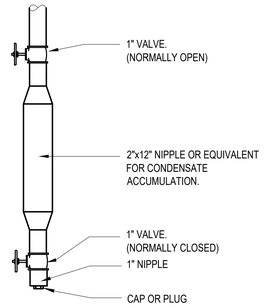
10 SPRINKLER HEAD SPACING CRITERIA
SCALE: NONE



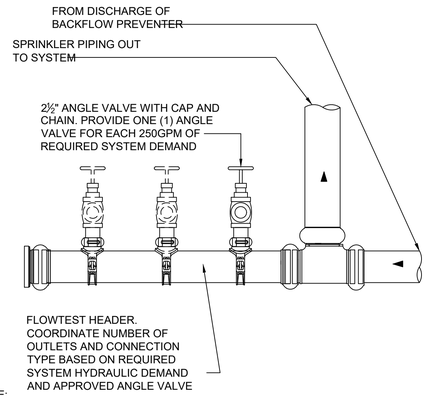
8 TYPICAL UPRIGHT SPRINKLER WITH GUARD
SCALE: NONE



5 SPRINKLER FLOW ASSEMBLY DETAIL
SCALE: NONE

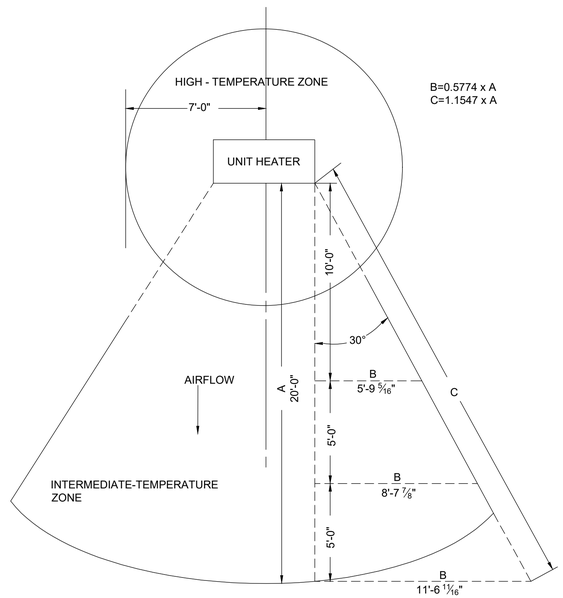


2 SYSTEM LOW POINT DRAIN
SCALE: NONE

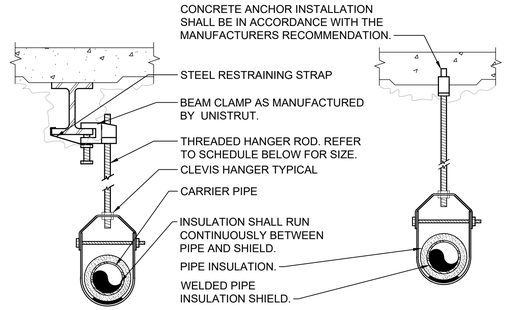


NOTE:
1) NOT REQUIRED WHERE FULL FORWARD FLOW TEST MAY BE ACCOMPLISHED THROUGH STANDPIPE SYSTEM.
2) FLOW TEST HEADER SHALL BE 4" MINIMUM SIZE FOR UP TO TWO (2) ANGLE VALVES. MINIMUM 6" FOR THREE (3) - FOUR (4) VALVES.
3) ANGLE VALVES SHALL BE LISTED FOR FIRE PROTECTION USE AND MAY BE GROOVED OR THREADED INLET.
4) TEST HEADER SHALL BE SUPPORTED AND BRACED.

9 TYPICAL BACKFLOW PREVENTER SPRINKLER SYSTEM FORWARD FLOW TEST ASSEMBLY
SCALE: NONE

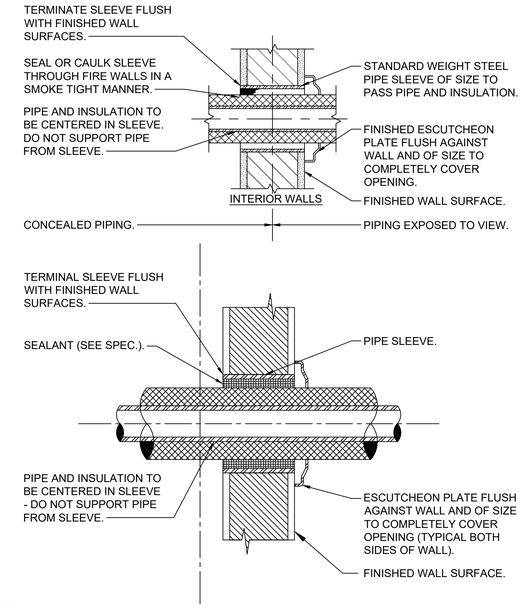


7 SPRINKLER TEMPERATURE ZONES
SCALE: NONE



NOTES:
1. CLEAVIS HANDERS REQUIRED ON PIPING LARGER THAN 1". GENERAL PURPOSE HANGERS MAY BE USED ON PIPING 1" OR SMALLER.
2. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.

4 PIPE HANGER DETAIL
SCALE: NONE



1 PIPE WALL SLEEVE DETAIL
SCALE: NONE

F D C

AUTOMATIC SPRINKLER & MANUAL WET STANDPIPE
750 GPM 160 PSI

THIS VALVE CONTROLS AUTOMATIC SPRINKLER SYSTEM IN _____ AND MUST ALWAYS BE KEPT OPEN.

AUTO. SPRINKLER FIRE DEPT. CONNECTION FOR SPRK. SYST. _____

LOW POINT DRAIN

AUTO. SPRINKLER AND STANDPIPE _____

INSPECTORS TEST

DRAIN VALVE

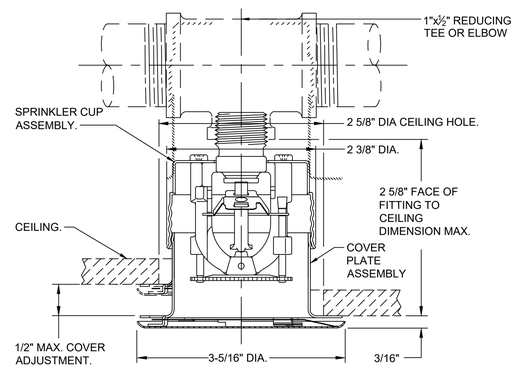
HYDRAULIC SYSTEM

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM.

LOCATION
NO. OF SPRINKLERS
BASIS OF DESIGN
1--DENSITY GPM/SQ.FT.
2--DESIGNED AREA OF DISCHARGE SQ.FT.
SYSTEM DEMAND
1-GPM DISCHARGE GPM
2-RESIDUAL PRESSURE AT FIRE PUMP DISCHARGE P.S.I.

THE SPRINKLER WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE NEW YORK STATE FIRE, BUILDING CODES, AND NFPA-13 STANDARDS. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

6 TYPICAL SIGNS
SCALE: NONE



NOTE: SPRINKLER COVER PLATE SHALL NOT BE INSTALLED UNTIL DEFLECTOR POSITION (DEPLOYED) IS CONFIRMED TO BE BELOW THE CEILING TILE.

3 CONCEALED PENDENT SPRINKLER HEAD
SCALE: NONE

IN CHARGE OF RG
CHECKED BY RG
MADE BY AB

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

OLA consulting engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK · ROBERT P. GRUFFI · 092522 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER SP-701
SHEET NO. 39 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SPRINKLER DETAILS

SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-SP-131-0
REV. NO. 0

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
	EX.	EXISTING TO REMAIN
	REL.	REMOVE AND RELOCATE
	NEW	NEW WORK
	DEM.	EXISTING TO BE REMOVED
	CW	COLD WATER
	HW	HOT WATER
	HWC	HOT WATER RECIRCULATION
	V	VENT
	W	WASTE LINE
	S	SOIL LINE
	G	GAS LINES
	LDR	LEADER
	SS	SANITARY SEWER (SITE WORK ONLY)
	SD	STORM DRAINAGE
	PD	PUMP DISCHARGE
	-	3-WAY VALVE
	-	BUTTERFLY VALVE
	-	2-WAY VALVE
	-	PLUG VALVE
S	-	SOLENOID VALVE
	-	GATE VALVE
	-	GLOBE VALVE
	-	CHECK VALVE
	-	OS&Y GATE VALVE
	-	BALL VALVE
IGI	-	CIRCUIT SETTER
	-	MANUAL AIR VENT
	-	T&P RELIEF VALVE
	-	PRESSURE REDUCING VALVE
	-	TEE DOWN
	-	ELBOW DOWN
	-	TEE UP
	-	ELBOW UP
	-	PIPE CAP
	CODP	CLEAN OUT DECK PLATE
	WCO	WALL CLEAN OUT
	FCO	FLOOR CLEAN OUT
	FLFD	FUNNEL FLOOR DRAIN
	-	CONCENTRIC REDUCER
	-	ECCENTRIC REDUCER
	-	STRAINER
	-	FLEXIBLE CONNECTION
	-	FLOW ARROW
	-	PRESSURE GAGE
	-	PUMP
	-	THERMOMETER
	-	BASKET STRAINER
	-	HOSE BIB
	RD	ROOF DRAIN
	FD	FLOOR DRAIN
	-	UNION
P 1	-	RISER TAG
	-	POINT OF CONNECTION / DISCONNECTION
	-	WALL HYDRANT

	-	WALL HYDRANT
–	AFF	ABOVE FINISHED FLOOR
–	AHC	ABOVE HUNG CEILING
–	BFP	BACK FLOW PREVENTOR
–	VTR	VENT THROUGH ROOF
–	FS	FLOOR SINK
–	FAI	FRESH AIR INTAKE
–	RPZ	REDUCED PRESSURE ZONE - BFP
–	BP	BOOSTER PUMP
–	RP	RECIRCULATION PUMP
–	DCV	DOUBLE CHECK VALVE - BFP
–	TYP	TYPICAL
–	HWH	HOT WATER HEATER

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

GENERAL NOTES

1. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
4. CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
5. PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
6. ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.
7. PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
8. PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2½".
9. NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
10. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
11. PROVIDE SHUTOFF VALVES AT ALL FIXTURES & EQUIPMENT ON COLD WATER, & HOT WATER PIPES.
12. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.
14. PROVIDE TRAP SEAL PRIMERS FOR FLOOR DRAINS WHERE INDICATED ON PLANS. INSTALL THE PRIMER VALVE IN THE COLD WATER SERVICE, WITH THE TRAP CONNECTION PIPED TO THE FLOOR DRAIN TRAP. LOCATE THE VALVE IN AN ACCESSIBLE LOCATION.
15. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.
16. NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND DRAWINGS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
17. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT PHASING & TIME SCHEDULE FOR CONSTRUCTION.
18. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION & EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

EQUIPMENT NOTES

1. DOMESTIC HOT WATER HEATER, HWH-1: SHALL BE ELECTRIC AO-SMITH GOLD SERIES - MODEL DRE-52-9; PROVIDING 37 GPH RECOVERY AT 40°-140°, 9kW INPUT, 480V/3ϕ/60Hz, 10.8 FULL LOAD AMPS, 50 GALLONS NOMINAL STORAGE CAPACITY, 55" HIGH, 27" DIAMETER, 265 POUNDS SHIPPING WEIGHT. DISCONNECT SWITCH FOR EACH HOT WATER HEATER TO BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. DOMESTIC HOT WATER RE-CIRCULATION PUMP, HWC-1: TO BE BASED ON BELL & GOSSETT MODEL NBF-18S, 100% LEAD FREE, 90 WATTS, 115V/1ϕ/60Hz , 0.74 FULL LOAD AMPS, 3000 RPM & 5 GPM @ 10 FEET HEAD. FURNISH DISCONNECT SWITCH TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. POINT OF USE ELECTRIC HOT WATER HEATER, EWH-1: SHALL BE BN-LINK ELECTRIC MINI-TANK WATER HEATER 2.7 GALLON, FOR UNDER-SINK INSTALLATION, RATED FOR 120V, 1-PHASE, 1440W. UNIT SHALL INCLUDE GLASS-LINED TANK WITH CORROSION PROTECTION, INTEGRAL ADJUSTABLE THERMOSTAT, HIGH-TEMPERATURE LIMIT PROTECTION, AND FACTORY-INSTALLED TEMPERATURE AND PRESSURE RELIEF VALVE RATED FOR 150 PSI. PROVIDE WITH CORD AND PLUG FOR CONNECTION TO A STANDARD RECEPTACLE AND ALL REQUIRED PIPING CONNECTIONS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL INSTALLATION.

THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

PLUMBING FIXTURE SCHEDULE

TAG	SYMBOLS PLAN	SYMBOLS ELEVATION	FIXTURES	PLUMBING CONNECTIONS WASTE	VENT	COLD WATER	HOT WATER	DESCRIPTION
P-1			WATER CLOSET WALL HUNG	4"	2"	1¼"	-	TOILET; MAKE: AMERICAN STANDARD; MODEL: 3351.101AF WALL MILLENIUM FLOWISE 1.28 GPF FLUSHOMETER TOILET SYSTEM 1.28 GPF WALL-MOUNT ELONGATED FLUSHOMETER VALVE TOILET, ADA COMPLIANT, 1¼" INLET SPUD, FULLY GLAZED 2½" TRAPWAY. AMERICAN STANDARD FLUSHOMETER SELECTRONIC FLOWISE MODEL 6065.122 1.28 GALLONS PER FLUSH, ELECTRONIC FLUSH VALVE, HARD-WIRED, FULLY MECHANICAL MANUAL OVERRIDE BUTTON, AUTOMATIC FLUSH AFTER 24 HOURS OF NON-USE, 3-SECOND FLUSH DELAY, 1" IPS SCREWDRIVER BAK-CHECK ANGLE STOP, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, INTEGRAL VACUUM BREAKER AND 1½" SPUD COUPLING PROVIDE WALL CARRIER SIMILAR TO WATTS ISCA-101-R & ISCA-131 FOR BACK TO BACK INSTALLATION & ROUTING OF WASTE HORIZONTAL WITHIN CHASE.
P-2			URINAL	2"	2"	¾"	-	URINAL; MAKE: AMERICAN STANDARD; MODEL: DECORUM FLOWISE 0.5 GPF HIGH EFFICIENCY URINAL 0.5 GPF VITREOUS CHINA URINAL, ADA COMPLIANT, ¾" INLET SPUD, OUTLET CONNECTION THREADED 2" INSIDE, PROVIDE WALL CARRIER. AMERICAN STANDARD FLUSHOMETER SELECTRONIC FLOWISE MODEL 6062.002 0.125 GALLONS PER FLUSH, ELECTRONIC FLUSH VALVE, HARD-WIRED, FULLY MECHANICAL MANUAL OVERRIDE BUTTON, AUTOMATIC FLUSH AFTER 24 HOURS OF NON-USE, 3-SECOND FLUSH DELAY, 1" IPS SCREWDRIVER BAK-CHECK ANGLE STOP, VANDAL RESISTANT STOP CAP, ADJUSTABLE TAILPIECE, INTEGRAL VACUUM BREAKER AND 1½" SPUD COUPLING. SEE ARCHITECTS DRAWINGS FOR MOUNTING HEIGHTS.
P-3			WALL HUNG LAVATORY	2"	2"	¾"	¾"	LAVATORY; MAKE: KOHLER; MODEL: K-2035-1 WALL MOUNT SINK, ADA COMPLIANT, VITREOUS CHINA, FRONT OVERFLOW, D-SHAPED BOWL, SELF DRAINING DECK AREA, FAUCET LEDGE. FAUCET; MAKE: AMERICAN STANDARD MODEL: 2064.195 SENSOR OPERATED PROXIMITY LAVATORY FAUCET, HARD-WIRED AC, 0.5 GPM PCA, VR MULTI-LAMINAR SPRAY. PROVIDE THERMOSTATIC MIXING VALVE 605XTMV10701. PROVIDE 1½" CHROME PLATED TRAP WITH CLEAN-OUT.
P-4			JANITOR SINK	3"	2"	¾"	¾"	36x26 FLOOR MOP BASIN; MAKE: REFER TO ARCHITECTURAL PLANS FOR FIXTURE DESCRIPTION; FAUCET; MAKE: AMERICAN STANDARD; MODEL: 8344.212.004 WALL MOUNTED FAUCET WITH TOP BRACE
P-5			SLOP SINK	3"	2"	¾"	¾"	SERVICE SINK; MAKE: AMERICAN STANDARD; MODEL: 7695.008 AKRON SERVICE SINK ENAMELED CAST IRON, SUPPLIED WITH WALL HANGER & RIM GUARD FAUCET; MAKE: AMERICAN STANDARD MODEL: 8341.076 WITH VACUUM BREAKER AND STOPS IN SHANK. TRAP STANDARD; 7798.030 CAST IRON "P" TRAP STANDARD TO WALL AND STRAINER FOR 3" IRON PIPE.
P-6			SHOWER	2"	1½"	½"	½"	SHOWER; MAKE: AMERICAN STANDARD MODEL: T675.507.002 COLONY SOFT COLLECTION COLONY SOFT FLOWISE SHOWER TRIM KIT. POLISHED CHROME FINISH, METAL LEVER HANDLES, 1.5 GPM MAX FLOW.
P-7			KITCHEN SINK	3"	2"	¾"	¾"	KITCHEN SINK; MAKE: AMERICAN STANDARD; MODEL: 20DB.8332283C.075 COLONY PRO COLLECTION 33x22 DOUBLE BOWL STAINLESS STEEL KITCHEN SINK. DROP-IN/TOP MOUNT INSTALLATION. FAUCET; MAKE: AMERICAN STANDARD MODEL: 7074.300.002 COLONY PRO COLLECTION SINGLE HANDLE KITCHEN FAUCET WITH PULL DOWN SPRAY.
P-8			UTILITY SINK	3"	2"	¾"	¾"	UTILITY SINK; MAKE: TRANSOLID; MODEL: EWS-2228S 22"x28" STAINLESS STEEL SINK WITH HIGH ARCH GOOSENECK S.S. FAUCET
FD-1			FLOOR DRAIN	4"	2"	-	-	FOR TRAFFIC AREA OF GOLF CART STORAGE & MAINT. GARAGE: WADE #W-1210-27 WITH CAST IRON BODY, CAST IRON DRAINAGE FLANGE, SEDIMENT BUCKET, FLASHING COLLAR, 12" ROUND HEAVY DUTY CAST IRON GRATE. PROVIDE PROSET TRAP SEAL / GUARD.
FD-2			FLOOR DRAIN	3"	2"	-	-	FOR BATHROOMS: WADE #W-1100-STD5-1-27 WITH 5" ROUND ADJUSTABLE NICKEL-BRASS STAINER, CAST IRON BODY, CAST IRON DRAINAGE FLANGE, FLASHING CLAMP, AND SEDIMENT BUCKET. PROVIDE PROSET TRAP SEAL / GUARD.
EW			EYE WASH	2"	2"	¾"	¾"	ENVIRO-SAFE PRODUCTS GUARDIAN PEDESTAL UNIT # GUEG 1825
DF			DRINKING FOUNTAIN	2"	2"	¾"	-	DRINKING FOUNTAIN; MAKE: ELKAY MODEL: LVRCGRNTL8C, WALL MOUNT HIGH EFFICIENCY VANDAL RESISITANT BI-LEVEL ADA COOLER, FILTERED, REFRIGERATED & STAINLESS
SHEW			EMERGENCY SHOWER / EYE WASH	3"	2"	¾"	¾"	EMERGENCY SHOWER / EYEWASH; MAKE: GUARDIAN; MODEL: G1996 SAFETY STATION WITH EYE/FACE WASH. ALL STAINLESS STEEL. PROVIDE FLOOR DRAIN FD-2.

NOTES:
1.) REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE, QUANTITY, LOCATIONS, COLOR / FINISH SELECTIONS & MOUNTING HEIGHTS.

EQUIPMENT NOTES

1. GASOLINE TANK - CART STORAGE: SHALL BE ENVIRO-SAFE FIREGUARD 500 GALLON DOUBLE-WALL ABOVEGROUND FUEL TANK WITH INTEGRAL FUEL DISPENSING SYSTEM. PROVIDE STEEL SUPPORT SADDLES, LIFTING LUGS, 6" EMERGENCY VENT, 2" STACK VENT, 818 CLOCK GAUGE WITH FLOAT, 7.5 GALLON OVERSPILL WITH LOCKABLE CAP, SPIN ON FILTER AND HOUSING ASSEMBLY, INTERSTITIAL LEAK GAUGE, STEP LADDER AND PLATFORM, 16" MAN-WAY, BRACKET, PIPING BALL VALVE AND ANTI-SIPHON VALVE, SUCTION LINE FOOT-VALVE 6" FROM BOTTOM TANK, 1" ASSEMBLY METER AND FILTER, 1" AUTOMATIC SHUT-OFF NOZZLE, SWIVEL, & BREAKAWAY 18' X 1" HOSE, VAPOR RECOVERY SYSTEM. TANK SHALL BE PROVIDED WITH EPOXY PRIMER & ACRYLIC POLYURETHANE COATING, UL2085 LABELED AND LISTED, NFPA-30-30A TESTED, 2-HOUR FIRE TESTED, IMPACT AND BALLISTIC TESTED. PROVIDE FILL-RITE 711VA PUMP AT 115V/1ϕ/60Hz, ⅓ HP & 5.5 FULL LOAD AMPS. 60" DIAMETER X 100" LONG; DRY WEIGHT: 3,100 LBS. PROVIDE PNEUMERCATOR LS-600 LEVEL SWITCHES & MP 450S LEVEL GAUGE PROBES.
   1.1. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR COVERAGE OF THE FUEL STORAGE TANK, DISPENSING SYSTEM, AND ASSOCIATED EQUIPMENT. SYSTEM SHALL BE UL LISTED AND PROVIDED IN ACCORDANCE WITH THE TANK MANUFACTURER'S REQUIREMENTS, NFPA 30, NFPA 30A. PROVIDE ALL REQUIRED DETECTION DEVICES, THERMAL ACTUATORS, FUSIBLE LINKS, DISCHARGE NOZZLES, PIPING, BRACKETS, HEAT COLLECTION / CAPTURE PAN, CONTROL PANEL, MANUAL PULL STATION, AUDIBLE/VISUAL ALARM DEVICES, SHUTDOWN INTERLOCKS, TANK PROTECTION, DISPENSER PROTECTION, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE FIRE SUPPRESSION SYSTEM REQUIREMENTS WITH THE TANK MANUFACTURER AND ARCHITECTURAL STRUCTURE ABOVE THE TANK.
2. DIESEL TANK: SHALL BE ENVIRO-SAFE FIREGUARD 500 GALLON DOUBLE-WALL ABOVEGROUND FUEL TANK WITH INTEGRAL FUEL DISPENSING SYSTEM. PROVIDE STEEL SUPPORT SADDLES, LIFTING LUGS, 6" EMERGENCY VENT, 2" STACK VENT, 818 CLOCK GAUGE WITH FLOAT, 7.5 GALLON OVERSPILL WITH LOCKABLE CAP, SPIN ON FILTER AND HOUSING ASSEMBLY, INTERSTITIAL LEAK GAUGE, STEP LADDER AND PLATFORM, 16" MAN-WAY, BRACKET, PIPING BALL VALVE AND ANTI-SIPHON VALVE, SUCTION LINE FOOT-VALVE 6" FROM BOTTOM TANK, 1" ASSEMBLY METER AND FILTER, 1" AUTOMATIC SHUT-OFF NOZZLE, SWIVEL, & BREAKAWAY 18' X 1" HOSE. TANK SHALL BE PROVIDED WITH EPOXY PRIMER & ACRYLIC POLYURETHANE COATING, UL2085 LABELED AND LISTED, NFPA-30-30A TESTED, 2-HOUR FIRE TESTED, IMPACT AND BALLISTIC TESTED. PROVIDE FILL-RITE 711VA PUMP AT 115V/1ϕ/60Hz, ⅓ HP & 5.5 FULL LOAD AMPS. 60" DIAMETER X 100" LONG; DRY WEIGHT: 3,100 LBS. PROVIDE PNEUMERCATOR LS-600 LEVEL SWITCHES & MP 450S LEVEL GAUGE PROBES. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR COVERAGE OF THE TANK AND DISPENSING SYSTEM. COORDINATE WITH ARCHITECTURAL STRUCTURE ABOVE TANK.
   2.1. PROVIDE COMPLETE FIRE SUPPRESSION SYSTEM FOR COVERAGE OF THE FUEL STORAGE TANK, DISPENSING SYSTEM, AND ASSOCIATED EQUIPMENT. SYSTEM SHALL BE UL LISTED AND PROVIDED IN ACCORDANCE WITH THE TANK MANUFACTURER'S REQUIREMENTS, NFPA 30, NFPA 30A. PROVIDE ALL REQUIRED DETECTION DEVICES, THERMAL ACTUATORS, FUSIBLE LINKS, DISCHARGE NOZZLES, PIPING, BRACKETS, HEAT COLLECTION / CAPTURE PAN, CONTROL PANEL, MANUAL PULL STATION, AUDIBLE/VISUAL ALARM DEVICES, SHUTDOWN INTERLOCKS, TANK PROTECTION, DISPENSER PROTECTION, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE FIRE SUPPRESSION SYSTEM REQUIREMENTS WITH THE TANK MANUFACTURER AND ARCHITECTURAL STRUCTURE ABOVE THE TANK.
3. TANK LEVEL MONITORING SYSTEM: SHALL BE BASED ON PNEUMERCATOR TMS3000 SERIES MODULAR MULTI-TANK GAUGING SYSTEM WITH EPA COMPLIANT IN TANK AND SECONDARY CONTAINMENT LEAK DETECTION, OVERFILL ALARM WITH LIGHT, HORN AND RESET BUTTON MOUNTED WITHIN SIGHT OF TANK FILL; ELECTRICAL: 230/115V/1ϕ/60HZ.
4. PROVIDE (1) MONITORING SYSTEM AT THE MAINTENANCE BUILDING FOR MONITORING OF THE GASOLINE, AND DIESEL TANKS. PROVIDE (1) MONITORING SYSTEM AT THE CART STORAGE BUILDING FOR MONITORING OF THE GASOLINE TANK.
5. THERMOSTATIC MIXING VALVE (EMERGENCY SHOWER / EYE-WASH STATIONS): SHALL BE GUARDIAN MODEL G6040 THERMOSTATIC MIXING VALVE, FACTORY PRESET TO PROVIDE 85°F TEPID WATER WITH HIGH TEMP LIMIT STOP AT 90°F, FIELD ADJUSTABLE / LOCKABLE, MAX FLOW CAPACITY OF 50 GPM @ 30 PSI PRESSURE DROP, FAILSAFE OPERATION, MAXIMUM INLET PRESSURE OF 125PSI, 25% VARIANCE BETWEEN COLD / HOT WATER SUPPLY. PROVIDED WITH LOCKABLE SHUTOFF VALVES, INTERNAL CHECK VALVES, AND STAINLESS STEEL BASKET FILTERS. OUTLET TEMPERATURE GAUGE, STAINLESS STEEL MOUNTING BRACKET, LEAD-FREE, TOP / BOTTOM OUTLETS, ANSI / ASSE 1071 COMPLIANT.

OLA consulting engineers

OLA Consulting Engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK · ROBERT P. GRUFFI · 092522 · LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER P-001
SHEET NO. 40 OF 69

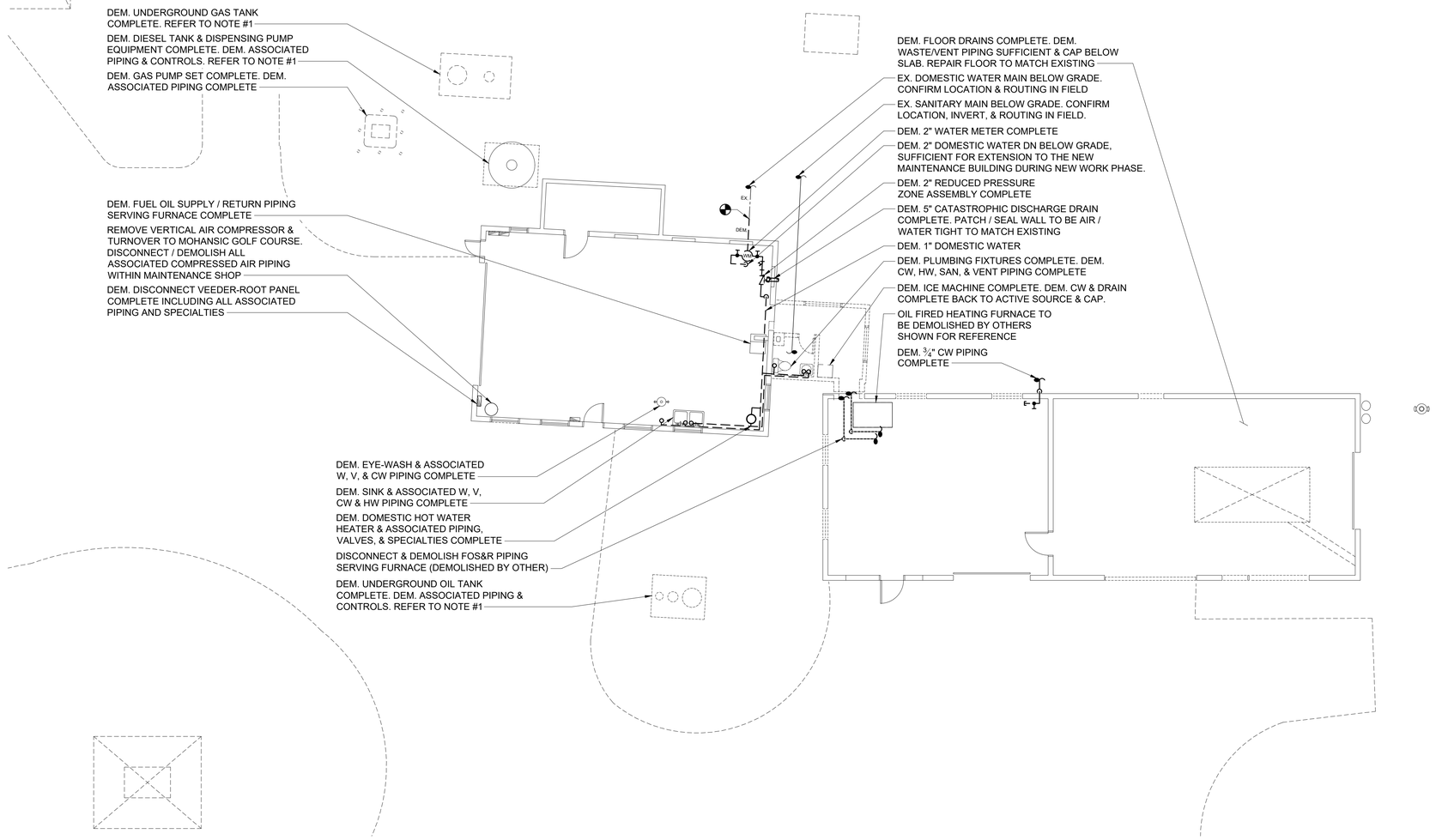
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
PLUMBING SYMBOLS, ABBREVIATIONS, & NOTES

SCALE: AS NOTED
DATE: 5 / 1 / 26
DPW FILE NO. 10-02-P-132-0
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MAINTENANCE FACILITY PLUMBING DEMOLITION PLAN

1

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

NOTES:

1. TANKS SHALL BE COMPLETELY EMPTIED INCLUDING ALL FUEL & SLUDGE. PROVIDE SOIL SAMPLING IN AREAS BELOW & SURROUNDING THE DEMOLISHED TANK, PIPING, & EQUIPMENT FOR CERTIFICATION BY INDEPENDENT CERTIFIED LAB. ALL WORK ASSOCIATED WITH THE REMOVAL OF FUEL TANKS, PIPING, & EQUIPMENT SHALL BE APPROVED AND COMPLIANT WITH ALL FEDERAL, STATE, & LOCAL AGENCIES. PROVIDE ALL REQUIRED PERMITS.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER P-101

SHEET NO. 41 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE FACILITY PLUMBING DEMOLITION PLAN

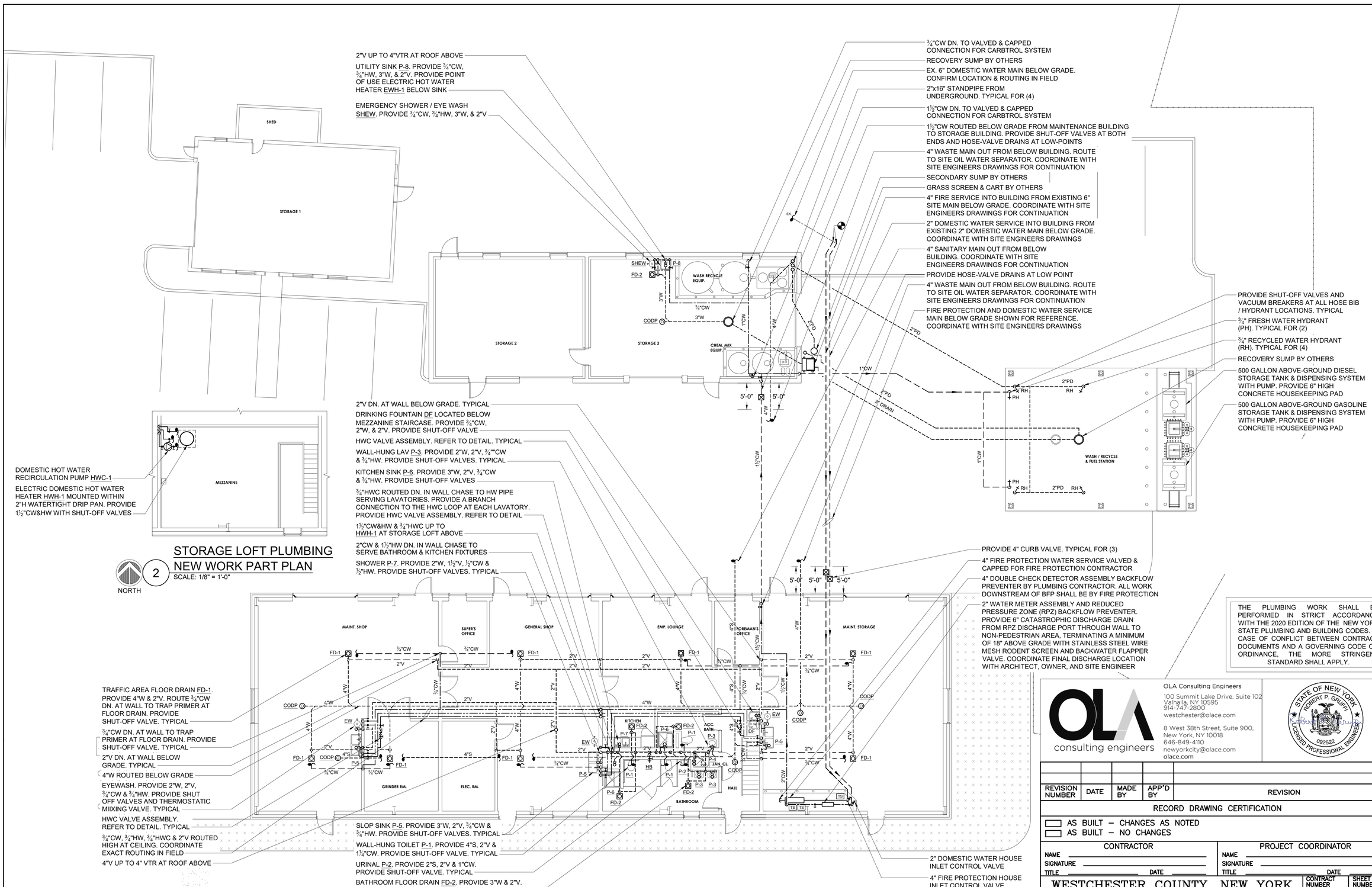
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STORAGE LOFT PLUMBING NEW WORK PART PLAN

2 NORTH

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

MAINTENANCE FACILITY PLUMBING NEW WORK PLAN

1 NORTH

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

NOTES:

1. REFER TO CARBTROL WASH RECYCLE EQUIPMENT DRAWING EQ-101 FOR UNDERGROUND PIPING REQUIREMENTS RELATED TO WASH STATIONS. FINAL LAYOUT & POINTS OF CONNECTION. COORDINATE SIZE, LOCATION, & MATERIALS WITH CARBTROL.
2. PROVIDE VALVED & CAPPED CONNECTIONS AT LOW POINTS FOR DRAIN DOWN OF DOMESTIC WATER SYSTEM.
3. REFER TO DOMESTIC WATER SYSTEM DRAIN PIT DETAIL

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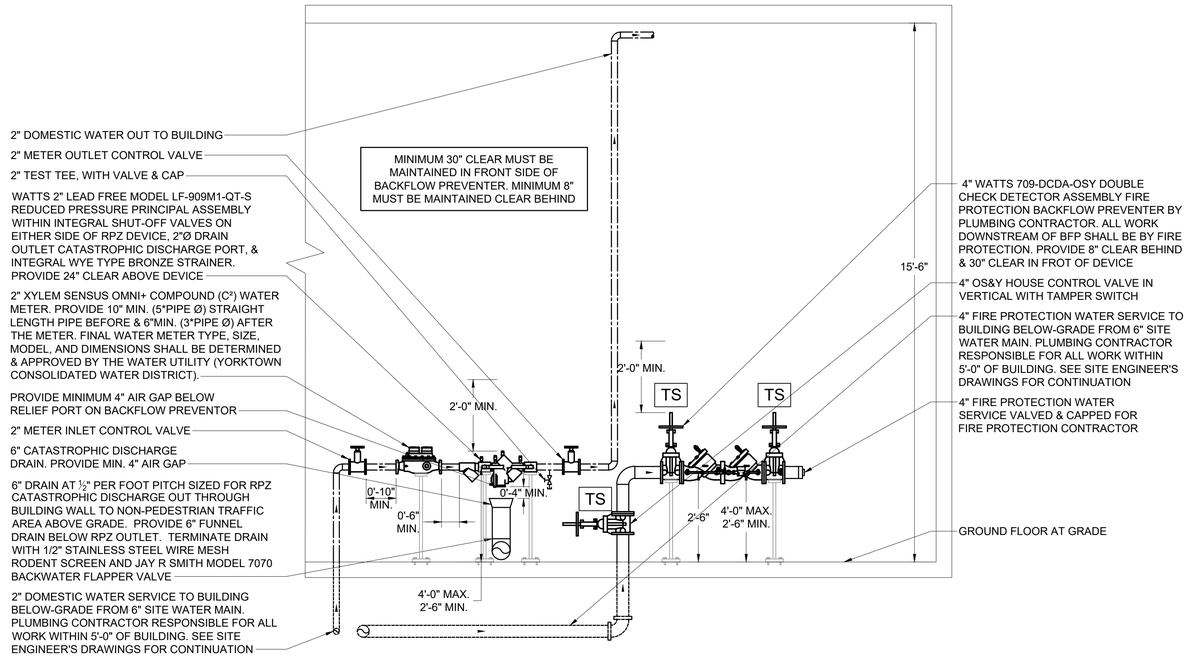
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SHEET NUMBER P-201
SHEET NO. 42 OF 69
SCALE: AS NOTED
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DPW FILE NO. 10-02-P-134-0
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NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE FACILITY PLUMBING NEW WORK PLAN

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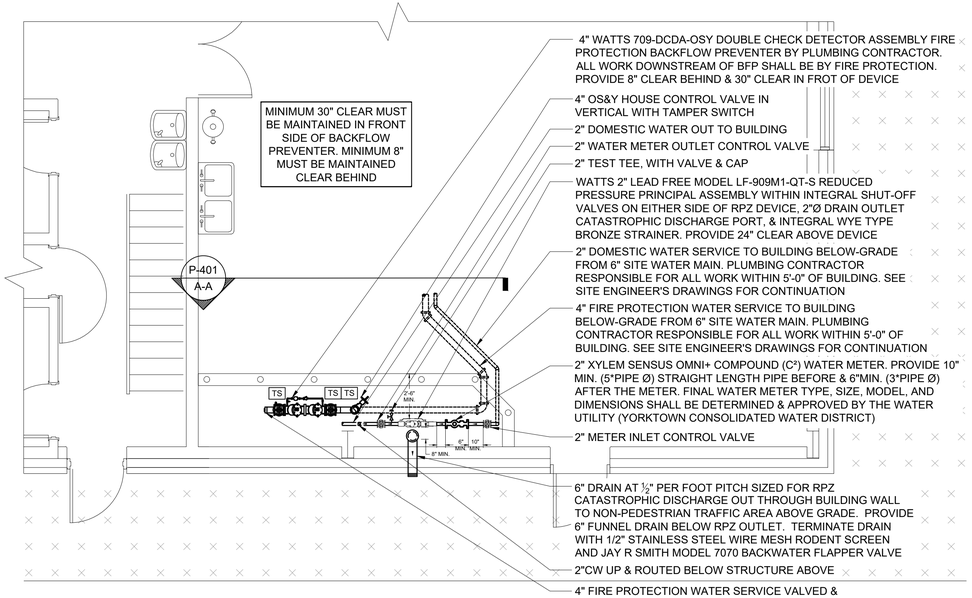
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4 PLUMBING BFP NEW WORK ELEVATION A-A

SCALE: 1/2" = 1'-0"

NOTES:
1. WATER SERVICE ROOM IS NOT LOCATED WITHIN THE 100-YEAR FLOOD PLAIN OR ANY OTHER SPECIAL FLOOD HAZARD ZONE.
2. WATER METER BASED ON XYLEM SENSUS OMNI+ COMPOUND (C²) WATER METER.
3. REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER IS BASED ON WATTS MODEL LF-909M1-QT-S.
4. DOUBLE CHECK DETECTOR ASSEMBLY IS BASED ON WATTS MODEL 709-DCDA-OSY.



3 PLUMBING BACKFLOW PREVENTER PLAN

NORTH

SCALE: 1/4" = 1'-0"

NOTES:
1. WATER SERVICE ROOM IS NOT LOCATED WITHIN THE 100-YEAR FLOOD PLAIN OR ANY OTHER SPECIAL FLOOD HAZARD ZONE.
2. WATER METER BASED ON XYLEM SENSUS OMNI+ COMPOUND (C²) WATER METER.
3. REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER IS BASED ON WATTS MODEL LF-909M1-QT-S.
4. DOUBLE CHECK DETECTOR ASSEMBLY IS BASED ON WATTS MODEL 709-DCDA-OSY.

SYMBOLS AND ABBREVIATIONS

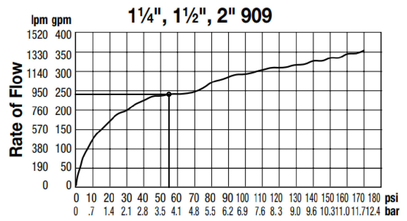
SYMBOL	ABBREVIATION	DESCRIPTION
—— – ——	CW	COLD WATER
–	AFF	ABOVE FINISHED FLOOR
–	BFP	BACK FLOW PREVENTER
–	DCV	DOUBLE CHECK VALVE
–	DN.	ELBOW DOWN
–	MAX.	MAXIMUM
–	MIN.	MINIMUM
–	PC	PLUMBING CONTRACTOR
–	RPZ	REDUCED PRESSURE ZONE
–	TYP	TYPICAL
►	–	DIRECTION OF FLOW

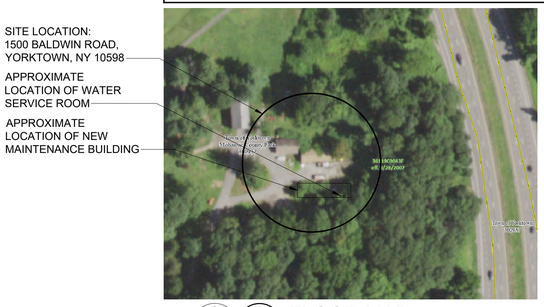
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ONLY COPIES FROM THE ORIGINAL OF THIS DRAWING THAT ARE MARKED WITH THE ORIGINAL SEAL AND SIGNATURE OF THE ENGINEER SHALL BE CONSIDERED AS TRUE VALID COPIES.

CATASTROPHIC FAILURE CALCULATIONS:

1. CATASTROPHIC FAILURE FLOW RATE = 240 GPM @ 55 PSI PER BACKFLOW PREVENTER AS PER WATTS PUBLISHED DATA
2. RPZ CATASTROPHIC FAILURE WATER DISCHARGE TO EXIT BUILDING THROUGH WALL ABOVE GRADE.
3. MAX FLOW THROUGH 6"Ø DRAIN = 350 GPM



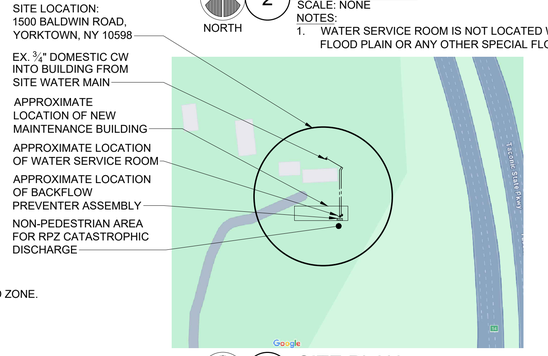


2 FLOOD MAP

NORTH

SCALE: NONE

NOTES:
1. WATER SERVICE ROOM IS NOT LOCATED WITHIN THE 100-YEAR FLOOD PLAIN OR ANY OTHER SPECIAL FLOOD HAZARD ZONE.



1 SITE PLAN

NORTH

SCALE: NONE

NOTES:
1. WATER SERVICE ROOM IS NOT LOCATED WITHIN THE 100-YEAR FLOOD PLAIN OR ANY OTHER SPECIAL FLOOD HAZARD ZONE.

GENERAL NOTES:

1. ADEQUATE HEAT TO PREVENT FREEZING AND ADEQUATE LIGHT FOR TESTING AND MAINTENANCE WILL BE PROVIDED IN LOCATIONS WHERE BACKFLOW PREVENTERS ARE TO BE INSTALLED.
2. INSULATE ALL WATER PIPING WITH FIBERGLASS PIPE INSULATION WITH FIRE RETARDANT VAPOR BARRIER JACKET. PIPING VALVES AND FITTINGS ON ALL INSULATED PIPES SHALL BE PROVIDED WITH FABRICATED SECTIONS OF INSULATION OR PRE-MOLDED FITTING COVERS EQUAL IN THICKNESS AND MATERIAL TO ADJOINING PIPE INSULATION.
3. THE CONTRACTOR SHALL USE ONLY AMERICAN MADE, UL/FM APPROVED VALVES.
4. NO WORK SHALL PROCEED WITHOUT YORKTOWN CONSOLIDATED WATER DISTRICT AND WESTCHESTER COUNTY DEPARTMENT OF HEALTH APPROVAL.
5. BACKFLOW PREVENTER ARRANGEMENT SHALL NOT BE ALTERED WITHOUT PRIOR APPROVAL BY WESTCHESTER COUNTY DEPARTMENT OF HEALTH.
6. BACKFLOW PREVENTION SHALL BE PROTECTED FROM THE HIGHEST FLOOD LEVEL.
7. BY-PASSES AROUND BACKFLOW PREVENTER ASSEMBLY SHALL NOT BE PERMITTED.
8. BACKFLOW PREVENTER DEVICE SHALL BE TESTED INITIALLY AND ANNUALLY BY A CERTIFIED AND LICENSED TESTER. AT THE TIME OF INITIAL TESTING PART A AND B OF DOH 1013 FORM MUST BE COMPLETED, TEST RESULTS (FORM DOH 1013) SHALL BE FORWARDED TO YORKTOWN CONSOLIDATED WATER DISTRICT, WESTCHESTER COUNTY DEPARTMENT OF HEALTH, OWNER & ENGINEER.
9. THE BACKFLOW PREVENTER SHALL BE REBUILT EVERY FIVE YEARS.
10. ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBER IN THE TOWN OF YORKTOWN HEIGHTS AND ACCORDING TO DEPARTMENT OF PUBLIC WORKS REGULATIONS.
11. CONTRACTOR SHALL DISINFECT AND PRESSURE TEST BACKFLOW PREVENTER ASSEMBLY BEFORE PLACING IN SERVICE. DISINFECTION SHALL BE IN ACCORDANCE WITH AWWA STANDARD C651-05 WITH THE EXCEPTION OF SECTION 4.4.2.
12. CONTRACTOR SHALL ADEQUATELY SUPPORT ALL PIPING AND DEVICES.
13. WHERE THE DISTANCE BETWEEN THE WATER METER AND THE BACKFLOW PREVENTER ASSEMBLY IS GREATER THAN 10'-0", ALL EXPOSED PIPING SHALL BE STENCILED "FEED LINE TO BACKFLOW PREVENTER - DO NOT TAP" AT 5'-0" INTERVALS.

INSTALLATION NOTES:

A. STRAINERS ARE RECOMMENDED PRIOR TO EACH BACKFLOW DEVICE ON NON-FIRE FIGHTING LINES ONLY. NO STRAINER IS TO BE USED ON A FIRE LINE WITHOUT INSURANCE UNDERWRITER APPROVAL.
B. ASSEMBLIES SHOULD BE SPECIFIED AND INSTALLED WITH MANUFACTURER SUPPLIED VALVES.
C. WATER LINES SHOULD BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF DEVICE TO PREVENT DEBRIS FOULING THE DEVICE CHECK VALVES.
D. DEVICES MUST BE MOUNTED HORIZONTALLY UNLESS APPROVED FOR VERTICAL INSTALLATION.
E. ASSEMBLIES SHOULD NOT BE INSTALLED IN AREAS CONTAINING CORROSIVE OR TOXIC GASES WHICH COULD RENDER THE DEVICE INOPERABLE.

NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH THE YORKTOWN CONSOLIDATED WATER DISTRICT & WESTCHESTER COUNTY DEPARTMENT OF HEALTH REQUIREMENTS.

EQUIPMENT NOTES:

1. 2" DOMESTIC WATER BACKFLOW PREVENTER ASSEMBLY: SHALL BE WATTS 2" LEAD FREE MODEL LF-909M1-QT-S REDUCED PRESSURE PRINCIPAL ASSEMBLY. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 180°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES, FOUR BALL TYPE TEST COCKS, &INTEGRAL BRONZE STRAINER.
2. 4" FIRE SERVICE BACKFLOW PREVENTER ASSEMBLY: SHALL BE WATTS 4" DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER MODEL 709-DCDA-OSY. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 140°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES & TWO BALL TYPE TEST COCKS.
3. WATER METER: SHALL BE XYLEM SENSUS OMNI+ COMPOUND (C²) 2" WATER METER. FINAL WATER METER TYPE, SIZE, MODEL, AND DIMENSIONS SHALL BE DETERMINED & APPROVED BY THE WATER UTILITY (YORKTOWN CONSOLIDATED WATER DISTRICT). THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION, INSTALLATION, AND ALL RELATED WATER DEPARTMENT FEES.

NOTES
1. MINIMUM 30" CLEAR IN FRONT OF DEVICE & MINIMUM 24" CLEAR ABOVE.
2. NO WORK SHALL BE COMPLETED, ORDERED OR FABRICATED PRIOR TO WRITTEN APPROVAL FROM TOWN OF YORKTOWN WATER DISTRICT AND WESTCHESTER COUNTY DEPARTMENT OF HEALTH

BUILDING INFORMATION:

ADDRESS: 1500 BALDWIN ROAD, YORKTOWN, NY 10598
COUNTY: WESTCHESTER COUNTY

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

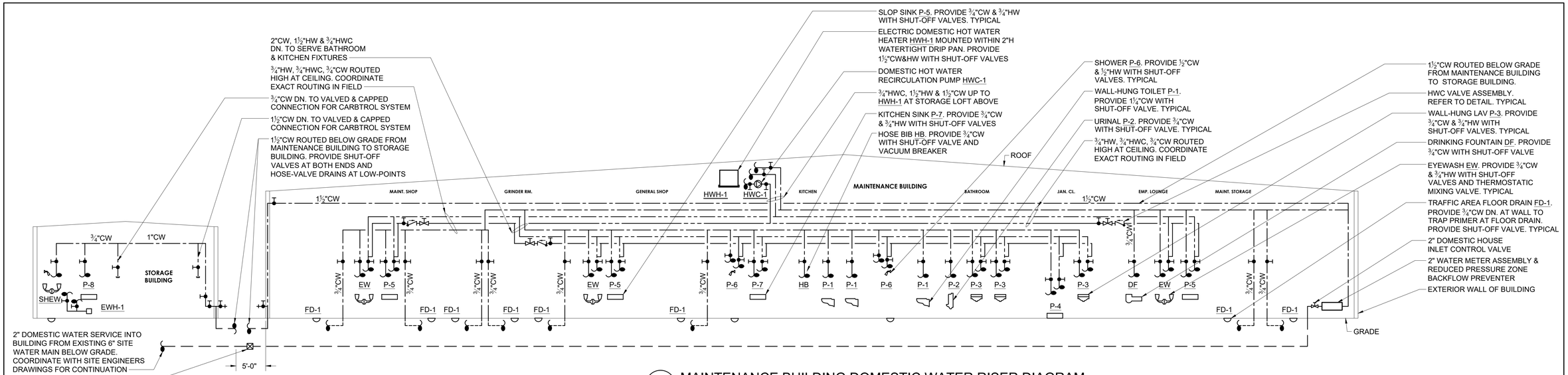
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SHEET NUMBER P-301
SHEET NO. 43 OF 69
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NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
PLUMBING BACKFLOW PREVENTER PLAN

IN CHARGE OF RG
CHECKED BY RG
MADE BY AB

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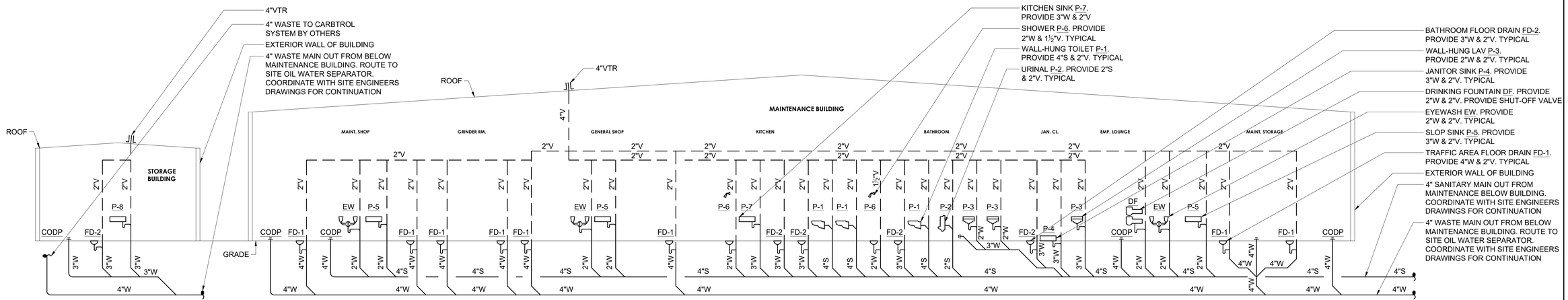


2 MAINTENANCE BUILDING DOMESTIC WATER RISER DIAGRAM

SCALE: NONE

NOTES:

1. REFER TO CARBTROL WASH RECYCLE EQUIPMENT DRAWING EQ-101 FOR UNDERGROUND PIPING REQUIREMENTS RELATED TO WASH STATIONS. FINAL LAYOUT & POINTS OF CONNECTION. COORDINATE SIZE, LOCATION, & MATERIALS WITH CARBTROL.
2. PROVIDE VALVED & CAPPED CONNECTIONS AT LOW POINTS FOR DRAIN DOWN OF DOMESTIC WATER SYSTEM.
3. REFER TO DOMESTIC WATER SYSTEM DRAIN PIT DETAIL.



PLUMBING PIPE MATERIAL SCHEDULE

PIPE SYSTEM	SIZE	PIPE			FITTINGS		
		MATERIAL	TYPE / WEIGHT	STANDARD	MATERIALS	TYPE / WEIGHT	STANDARD
DOMESTIC WATER PIPING (CW, HW, HWC)	ALL	COPPER	HARD / TYPE L	ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
WATER SERVICE PIPING	¾" - 4"	COPPER	HARD / TYPE K	ASTM B75 ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
	ALL	DUCTILE IRON	SCHEDULE 40	AWWA C151/A21.51	DUCTILE IRON	GROOVED END	AWWA C606
SANITARY, WASTE, VENT (ABOVE GROUND)	< 4"	COPPER	DWV HARD / TYPE L	ASTM B88	DWV COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
	ALL	CAST IRON	HUBLESS / HUB AND SPIGOT	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	FERNCO DONUT	ASTM B29
			SCHEDULE 40 / SERVICE		CAST IRON	COUPLING	ASTM C564
SANITARY, WASTE, VENT (BELOW GROUND)	ALL	CAST IRON	HUB AND SPIGOT EXTRA-HEAVY	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	FERNCO DONUT	ASTM B29

NOTES:
1. INSTALL DUCTILE IRON PIPING UNDER BUILDING SLAB WITH RESTRAINED JOINSTS ACCORDING TO AWWA C600 AND AWWA M41.
2. INSTALL UNDERGROUND COPPER AND DUCTILE IRON PIPE IN PE ENCASEMENT ACCORDING TO ASTM A 674 OR AWWA C105/A21.5
3. DUCTILE IRON WATER SERVICE PIPING SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104.
4. WATER SERVICE PIPE SHALL CONFORM TO NSF 61 AND SHALL HAVE A WORKING PRESSURE RATING OF NOT LESS THAN 160 PSI AT 73.4 °F

1 MAINTENANCE BUILDING SANITARY RISER DIAGRAM

SCALE: NONE

NOTES:

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STATE OF NEW YORK · ROBERT P. GRUFFI · 092522 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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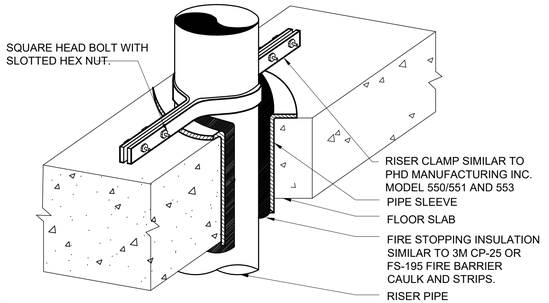
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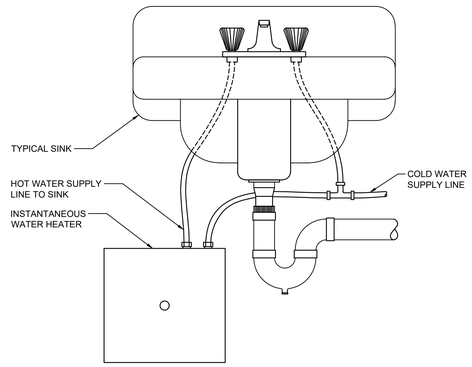
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
PLUMBING RISER DIAGRAM

CONTRACT NUMBER 23-514
SHEET NUMBER P-601
SHEET NO. 44 OF 69
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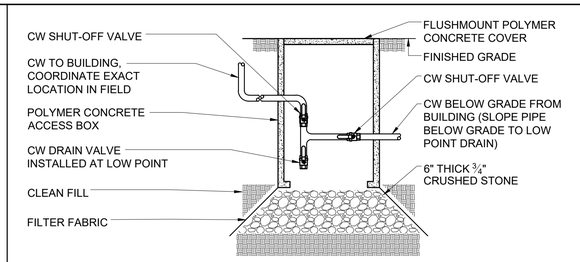


12 VERTICAL PIPE SUPPORT DETAIL
SCALE: NONE



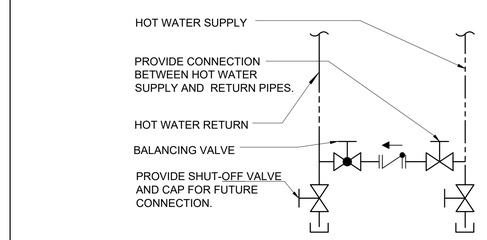
NOTES:
1. ALL DOMESTIC WATER PIPING SHALL BE INSULATED COMPLETE

10 POINT OF USE ELECTRIC HOT WATER HEATER DETAIL
SCALE: NONE

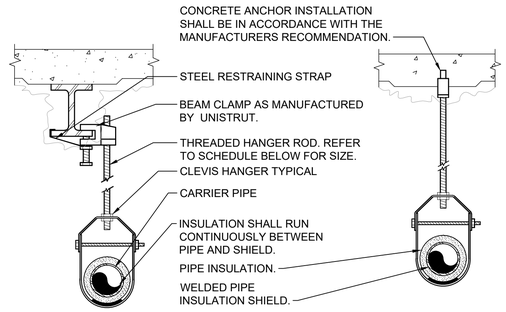


NOTE: ACCESS BOX TO BE SIMILAR TO PENTEK ULTRA SERIES POLYMER CONCRETE FLUSH-MOUNT PULL BOX. ACCESS BOX TO BE PROVIDED WITH SKID RESISTANT COVER AND HEX HEAD BOLTED COVER. BOX TO BE 13" WIDE, 24" LONG AND 24" DEEP.

7 DOMESTIC WATER SYSTEM DRAIN PIT DETAIL
SCALE: NONE

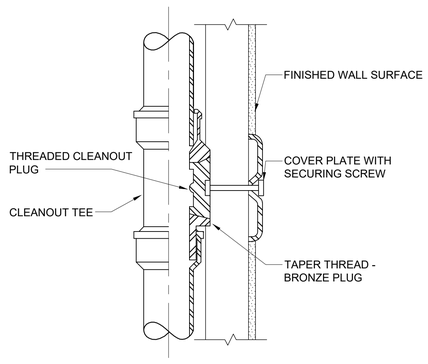


3 HOT WATER CONNECTION DETAIL
SCALE: NONE

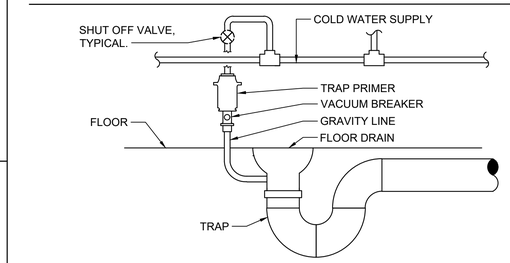


NOTES:
1. CLEAVIS HANDERS REQUIRED ON PIPING LARGER THAN 1". GENERAL PURPOSE HANGERS MAY BE USED ON PIPING 1" OR SMALLER.
2. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.

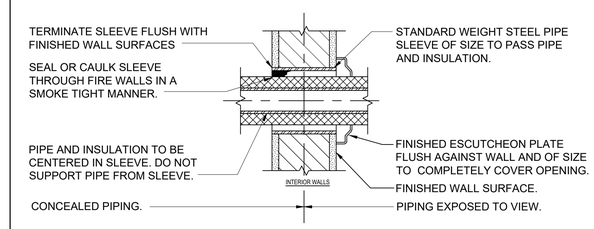
11 PIPE HANGER DETAIL
SCALE: NONE



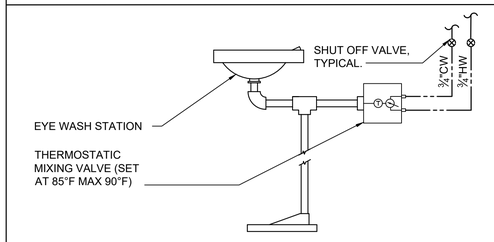
9 CLEANOUT FOR DRAINAGE PIPING CONCEALED BEHIND WALLS
SCALE: NONE



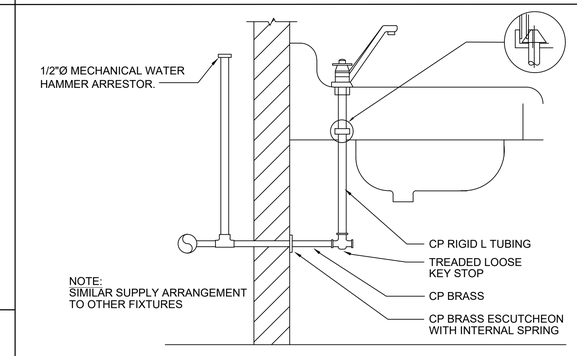
6 FLOOR DRAIN TRAP PRIMER
SCALE: NONE



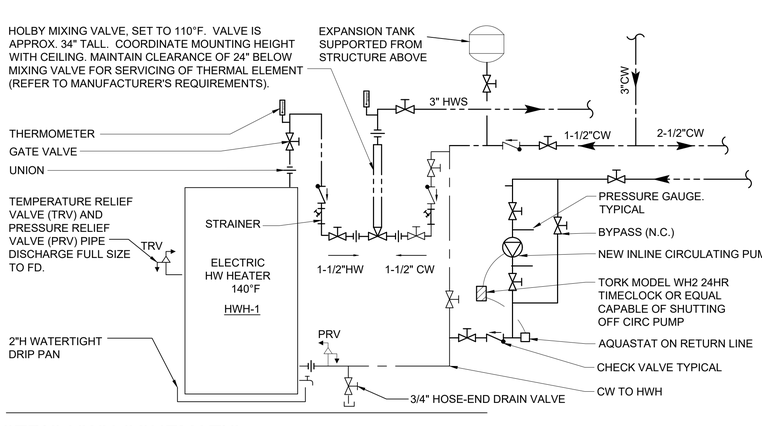
2 PIPE WALL SLEEVE DETAIL
SCALE: NONE



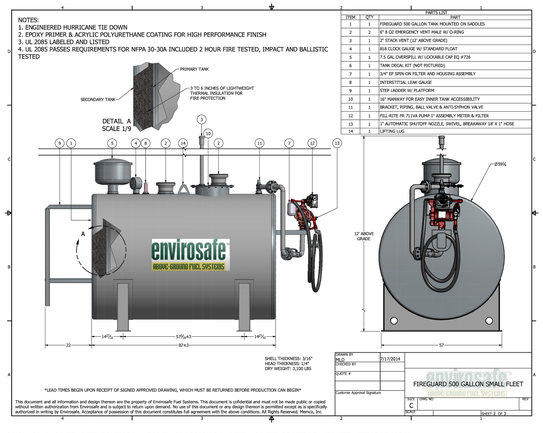
5 EMERGENCY EYE / FACE WASH STATION
SCALE: NONE



1 TYPICAL LAVATORY SUPPLY CONNECTION
SCALE: NONE



8 ELECTRIC HWH SCHEMATIC
SCALE: NONE



ITEM	QTY	PARTS LIST
1	1	FIREGUARD 500 GALLON TANK MOUNTED ON SADDLES
2	2	6" X OZ EMERGENCY VENT MALE W/ O-RING
3	1	2" STACK VENT (12' ABOVE GRADE)
4	1	818 CLOCK GAUGE W/ STANDARD FLOAT
5	1	7.5 GAL OVERSPILL W/ LOCKABLE DIP FLT #726
6	1	TANK DECAL KIT (NOT PICTURED)
7	1	3/4" EF SPIN-ON FILTER AND HOUSING ASSEMBLY
8	1	INTERSTITIAL LEAK GAUGE
9	1	STEP LADDER W/ PLATFORM
10	1	24" MANWAY FOR EASY INNER TANK ACCESSIBILITY
11	1	BRACKET, PIPING, BALL VALVE & ANTI-SYPHON VALVE
12	1	FILL-RITE FR 711VA PUMP 1" ASSEMBLY METER & FILTER
13	1	1" AUTOMATIC SHUTOFF NOZZLE, SWIVEL, BREAKAWAY 18' X 1" HOSE
14	1	3 FITTING LUG

4 500 GALLON DIESEL/GASOLINE STORAGE TANK
SCALE: NONE

OLA consulting engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com
8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

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IN CHARGE OF RG
CHECKED BY RG
MADE BY AB

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WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
–	AC-	AIR CONDITIONING UNIT
–	AD	ACCESS DOOR
–	AFF	ABOVE FINISHED FLOOR
–	AHC	ABOVE HUNG CEILING
–	AP	ACCESS PANEL
–	BHP	BRAKE HORSEPOWER
–	BTU	BRITISH THERMAL UNIT
–	CFM	CUBIC FEET PER MINUTE
–	COD	CABLE OPERATED DAMPER
–	DB	DRY BULB TEMPERATURE
–	DIA. OR Ø	DIAMETER
–	DX	DIRECT EXPANSION
–	EA	EXHAUST AIR
–	EAT	ENTERING AIR TEMPERATURE
–	ER	EXHAUST REGISTER
–	ESP	EXTERNAL STATIC PRESSURE
–	EWT	ENTERING WATER TEMPERATURE
–	FCU	FAN COIL UNIT
–	FPM	FEET PER MINUTE
–	FPS	FEET PER SECOND
–	GPM	GALLONS PER MINUTE
–	HP	HORSE POWER
–	LAT	LEAVING AIR TEMPERATURE
–	LF	LINEAR FEET
–	LWT	LEAVING WATER TEMPERATURE
–	MBH	1000 BRITISH THERMAL UNITS PER HOUR
–	MER	MECHANICAL EQUIPMENT ROOM
–	NIC	NOT IN CONTRACT
–	OAI	OUTSIDE AIR INTAKE
–	PSI	POUNDS PER SQUARE INCH
–	RA	RETURN AIR
–	RF-	RETURN FAN
–	RPM	REVOLUTIONS PER MINUTE
–	SA	SUPPLY AIR
–	SP	STATIC PRESSURE
–	TD	TRANSFER DUCT
–	TF-	TRANSFER FAN
–	TSP	TOTAL STATIC PRESSURE
–	TYP.	TYPICAL
–	U.O.N.	UNLESS OTHERWISE NOTED
–	WB	WET BULB TEMPERATURE
–	WG	INCHES OF WATER GAUGE
———	EX.	EXISTING TO REMAIN
– – – – –	REL.	REMOVE AND RELOCATE
———	NEW	NEW WORK
– – – – –	DEM.	EXISTING TO BE REMOVED
T	-	THERMOSTAT
	-	AIR INTO REGISTER
	-	POINT OF CONNECTION DISCONNECTION
	SR	SUPPLY REGISTER
	CD	1-WAY
	CD	2-WAY
	CD	2-WAY

	CD	3-WAY
	CD	4-WAY
	RR/RG/ER	RETURN REGISTER/GRILLE/EXHAUST REGISTER
	-	SUPPLY DUCT UP
	-	SUPPLY DUCT DOWN
	-	RETURN DUCT UP
	-	RETURN DUCT DOWN
	-	TRANSITION FROM SQUARE TO ROUND DUCT
	-	TRANSITION
D	-	DUCT DROP
R	-	DUCT RISE
	-	SQUARE VANED ELBOW
	-	DUCT RISE
	-	DUCT DROP
	-	DUCT TRANSITION
	-	ALUMINUM DUCT
	AL	ACOUSTIC LINING
	FD/AD	FIRE DAMPER W/ ACCESS DOOR
	SD/AD	SMOKE DAMPER W/ ACCESS DOOR
	CFSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS DOOR
	VD	VOLUME DAMPER
	AL	ACOUSTIC LINING
6x8	-	DUCT SIZE - 1ST FIGURE IS SIDE SHOWN
	FC	FLEXIBLE CONNECTION
	-	ALUMINUM DUCT
ER GRD	-	EXHAUST REGISTER
CEIL DIFF	-	NEW CEILING DIFFUSER

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

GENERAL NOTES

1. DUCT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR DUCT DIMENSIONS. WHERE DUCTWORK IS LINED THE CONTRACTOR SHALL INCREASE THE SIZE OF DUCT TO COMPENSATE FOR LINING.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK AND COORDINATE NEW WORK.
3. THE CONTRACTOR SHALL INSTALL FIRE DAMPERS WITH ACCESS DOORS IN ALL DUCTS PENETRATING FIRE RATED WALLS WHETHER SPECIFICALLY SHOWN ON THE DRAWING OR NOT.
4. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL.
5. COORDINATE DUCTWORK, GRILLE, DIFFUSER AND REGISTER LOCATIONS WITH LIGHTS, ARCHITECTURAL ELEMENTS AND SHELVING.
6. THIS CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, DIFFUSERS, GRILLES, ETC.
7. CONTRACT DRAWINGS AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, PIPING AND SHEETMETAL, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO SHEETMETAL AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
8. PROVIDE CABLE OPERATED DAMPERS ON DUCTWORK ABOVE DRYWALL CEILINGS.
9. ALL RETURN DUCTWORK ENDING ABOVE HUNG CEILING TO HAVE ½"WMS.
10. SEE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION.
11. THE MECHANICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING 2020 NEW YORK STATE MECHANICAL AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

MECHANICAL PIPE MATERIAL SCHEDULE

PIPE SYSTEM	SIZE	PIPE			FITTINGS		
		MATERIAL	TYPE / WEIGHT	STANDARD	MATERIALS	TYPE / WEIGHT	STANDARD
CONDENSATE DRAIN	ALL	COPPER	HARD TEMPER TYPE L	ASTM B88	COPPER	WROUGHT COPPER SOLDER JOINT	ANSI 16.18
REFRIGERANT	ALL	COPPER	HARD TEMPER TYPE K (ACR)	ASTM 280	COPPER	SILVER SOLDER 300PSI	ANSI B16.22

SEQUENCE OF OPERATION

PREHEAT ELECTRIC DUCT HEATERS (EDH-1 & EDH-2)

PROVIDE AIR TEMPERATURE SENSOR ON DISCHARGE SIDE OF ELECTRIC DUCT HEATERS. ELECTRIC DUCT HEATERS SHALL BE INTERLOCKED SUCH THAT THEY CANNOT RUN WHILE COOLING MODE IS ACTIVATED. DUCT HEATERS SHALL BE PROVIDED WITH SCR CONTROL & SHALL BE ARRANGED TO MAINTAIN DISCHARGE AIR TEMPERATURE AT SET-POINT.

HP UNITS (HP-1, HP-2, HP-3, HP-4 & HP-5)

PROVIDE A NEW TEMPERATURE CONTROL PANEL WITH 7-DAY PROGRAMMABLE THERMOSTAT WITH AUTO CHANGE-OVER, SET-BACK, HEAT-OFF-COOL AND ON-AUTO FAN SWITCH. HEATING AND COOLING SHALL BE ENABLED AND DISABLED THROUGH THIS THERMOSTAT.

UNIT OFF: THE RETURN AIR DAMPER SHALL BE FULL OPEN.

FAN OPERATION: THE UNIT SHALL START AND STOP AT PRE-SET TIMES AS PROGRAMMED THROUGH THE PROGRAMMABLE THERMOSTAT. UPON STARTUP, THE SUPPLY FAN START AND RAMP UP TO THE PROGRAMMED SPEED.

COOLING OPERATION: UNIT SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE CONTROL CIRCUITS ENERGIZED DURING THE PROGRAMMED OCCUPIED PERIODS. DX COOLING SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE SET-POINT AT 75°F (ADJUSTABLE).

HEATING OPERATION: UNIT SUPPLY FAN SHALL RUN CONTINUOUSLY DURING THE PROGRAMMED OCCUPIED PERIODS. DX HEATING SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE SET-POINT AT 68°F (ADJUSTABLE).

MORNING WARM-UP OPERATION: UNIT SHALL START AND OPERATE FOR A PREDETERMINED PERIOD AS PROGRAMMED INTO THE UNITARY CONTROLS. THE COMPRESSOR SHALL ENERGIZE TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT. WHEN THE ZONE TEMPERATURE COMES TO WITHIN 2°F (ADJUSTABLE) OF SET POINT, THE UNIT SHALL OPERATE IN OCCUPIED MODE.

MORNING COOL-DOWN OPERATION: UNIT SHALL START AND OPERATE FOR A PREDETERMINED PERIOD AS PROGRAMMED INTO THE UNITARY CONTROLS. THE COMPRESSOR SHALL ENERGIZE TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT. WHEN THE ZONE TEMPERATURE COMES WITHIN 2°F OF SET POINT, THE UNIT SHALL OPERATE IN OCCUPIED MODE.

LIMIT CONTROLS: PROVIDE A HIGH/LOW LIMIT CONTROL(S) IN THE SUPPLY FAN DISCHARGE ARRANGED TO OVERRIDE TEMPERATURE CONTROLS AND PREVENT DISCHARGE TEMPERATURE FROM DROPPING BELOW 50°F AND RISING ABOVE 110°F (ADJUSTABLE). ALL DAMPERS SHALL GO TO THE UNIT OFF POSITION.

TOILET EXHAUST-FAN (TX-1): TOILET EXHAUST FAN SHALL BE INTERLOCKED WITH A TIME-CLOCK TO OPERATE DURING OCCUPIED PERIODS.

EXHAUST-FAN (EF-1, EF-2, & EF-3): EXHAUST FAN SHALL BE CONTROLLED VIA A WALL MOUNTED SWITCH.

COOLING OPERATION: EXHAUST FAN SHALL RUN CONTINUOUSLY AND THE CONTROL CIRCUITS ENERGIZED DURING THE PROGRAMMED OCCUPIED PERIODS. EXHAUST FAN SHALL CYCLE TO CIRCULATE AIR WHEN DX COOLING IS ACTIVATED TO MAINTAIN SPACE TEMPERATURE SET-POINT AT 75°F (ADJUSTABLE).

HEATING OPERATION: EXHAUST FAN SHALL RUN CONTINUOUSLY AND THE CONTROL CIRCUITS ENERGIZED DURING THE PROGRAMMED OCCUPIED PERIODS. EXHAUST FAN SHALL CYCLE TO CIRCULATE AIR WHEN DX HEATING IS ACTIVATED TO MAINTAIN SPACE TEMPERATURE SET-POINT AT 68°F (ADJUSTABLE).

ELECTRIC UNIT HEATER (UH-A & UH-B): PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT WITH ON-AUTO-OFF SWITCH, LOCATED AS SHOWN ON PLAN AND COORDINATED WITH ARCHITECTURAL DRAWINGS. UNIT HEATER SHALL ENERGIZE TO MAINTAIN TEMPERATURE SET-POINT OF 55°F (ADJUSTABLE).

ENERGY RECOVERY VENTILATOR: (ERV-1 & ERV-2)

1. ERV SHALL RUN CONTINUOUSLY WHILE IN THE OCCUPIED MODE, DURING THE UNOCCUPIED MODE THE ERV SHALL BE OFF. PROVIDE MOTORIZED DAMPER FOR EACH ERV OUTSIDE AIR INTAKE AND EXHAUST ARRANGED TO OPEN UPON ERV ACTIVATION AND CLOSE UPON ERV DEACTIVATION. ERV SHALL NOT ENERGIZE UNTIL MOTORIZED DAMPER IS PROVEN OPEN.
2. OPERATOR STATION DISPLAY: INDICATE THE FOLLOWING ON THE OPERATOR WORKSTATIONS DISPLAY TERMINAL:
   a. FAN STATUS
   b. FAN START/STOP
   c. FAN FAILURE VIA FLOW SWITCH
   d. FAN IN HAND
   e. MOTORIZED DAMPER STATUS
   f. SCHEDULE
   g. FAN RUNTIME EXCEEDED
   h. DUCT TEMPERATURE SENSOR - RA, OA, SA, EA
   i. OUTDOOR AIRFLOW MONITORING

TABLE C403.2.10
MINIMUM PIPE INSULATION THICKNESS (IN INCHES)[A,C]

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY BTU*IN./(H*FT²*°F)[B]	MEAN RATING TEMPERATURE, °F	< 1	1 TO < 1½	1½ TO < 4	4 TO < 8	≥ 8
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0	5.0
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20 - 0.26	50	0.5	1.0	1.0	1.0	1.5

NOTES:
FOR SI: 1 INCH = 25.4 MM, °C = [(°F)-32]/1.8
a. FOR PIPING SMALLER THAN 1½ INCHES AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1 INCH SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE b) BUT NOT TO A THICKNESS LESS THAN 1 INCH.
b. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS:
T = r{(1 + t/r)K/k - 1}
WHERE:
T = MINIMUM INSULATION THICKNESS,
r = ACTUAL OUTSIDE RADIUS OF PIPE,
t = INSULATION THICKNESS LISTED IN THE TABLE FOR APPLICABLE FLUID TEMPERATURE AND PIPE SIZE,
K = CONDUCTIVITY OF ALTERNATE MATERIAL AT MEAN RATING TEMPERATURE INDICATED FOR THE APPLICABLE FLUID
TEMPERATURE (BTU * IN/H * FT² * °F)
k = THE UPPER VALUE OF THE CONDUCTIVITY RANGE LISTED IN THE TABLE FOR THE APPLICABLE FLUID TEMPERATURE.
c. FOR DIRECT=BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY 1½ INCHES (38 MM) SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE b BUT NOT TO THICKNESSES LESS THAN 1 INCH (25 MM).

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OLA consulting engineers
50 Broadway,
Hawthorne, NY 10532
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
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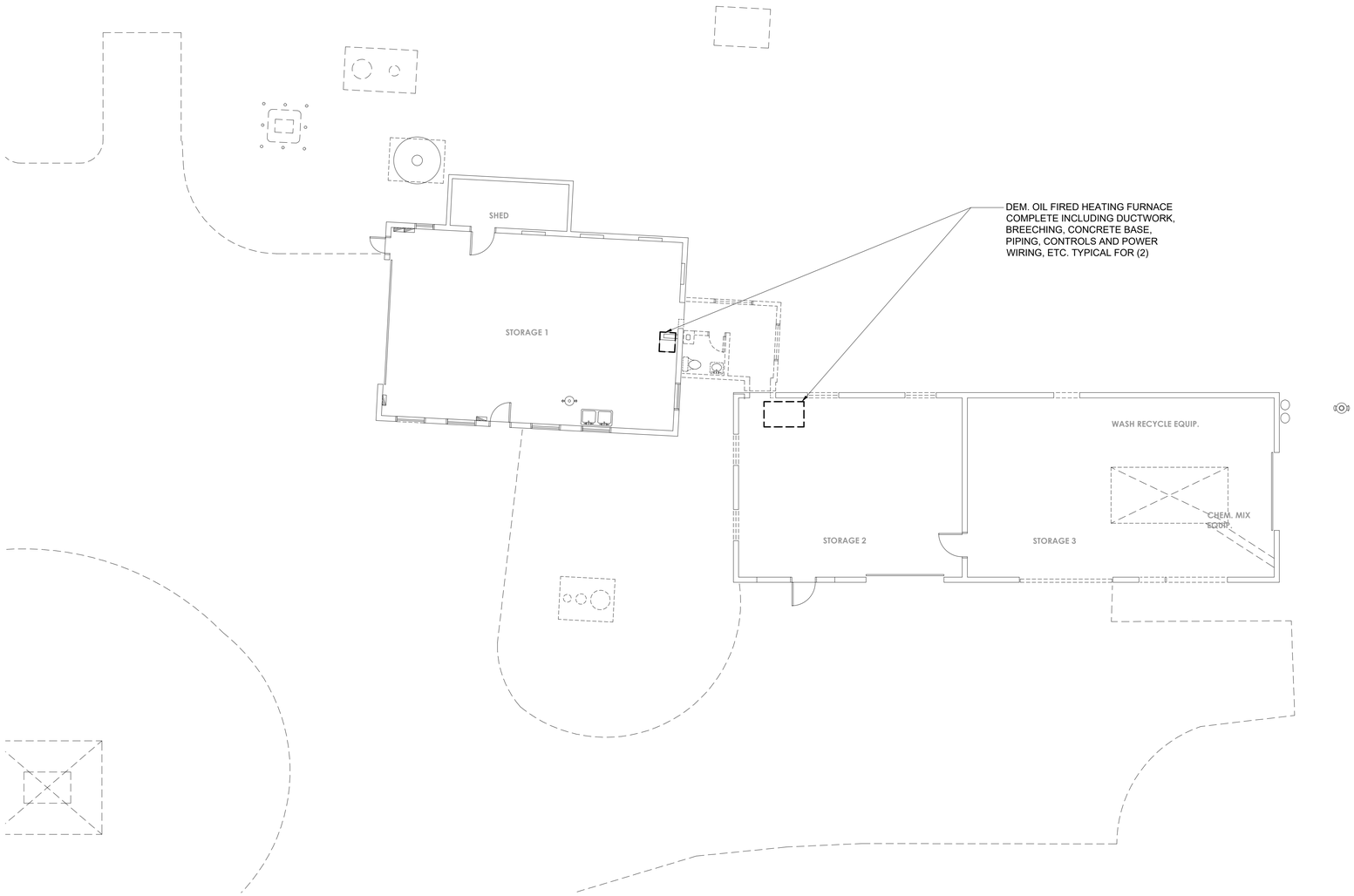
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NORTH

1 MAINTENANCE FACILITY MECHANCIAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

OLA consulting engineers

OLA Consulting Engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK
ROBERT P. GRUPPI
092522
LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

THE MECHANICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ACCORDANCE WITH THE 2020 EDITION OF THE NEW YORK STATE MECHANICAL AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

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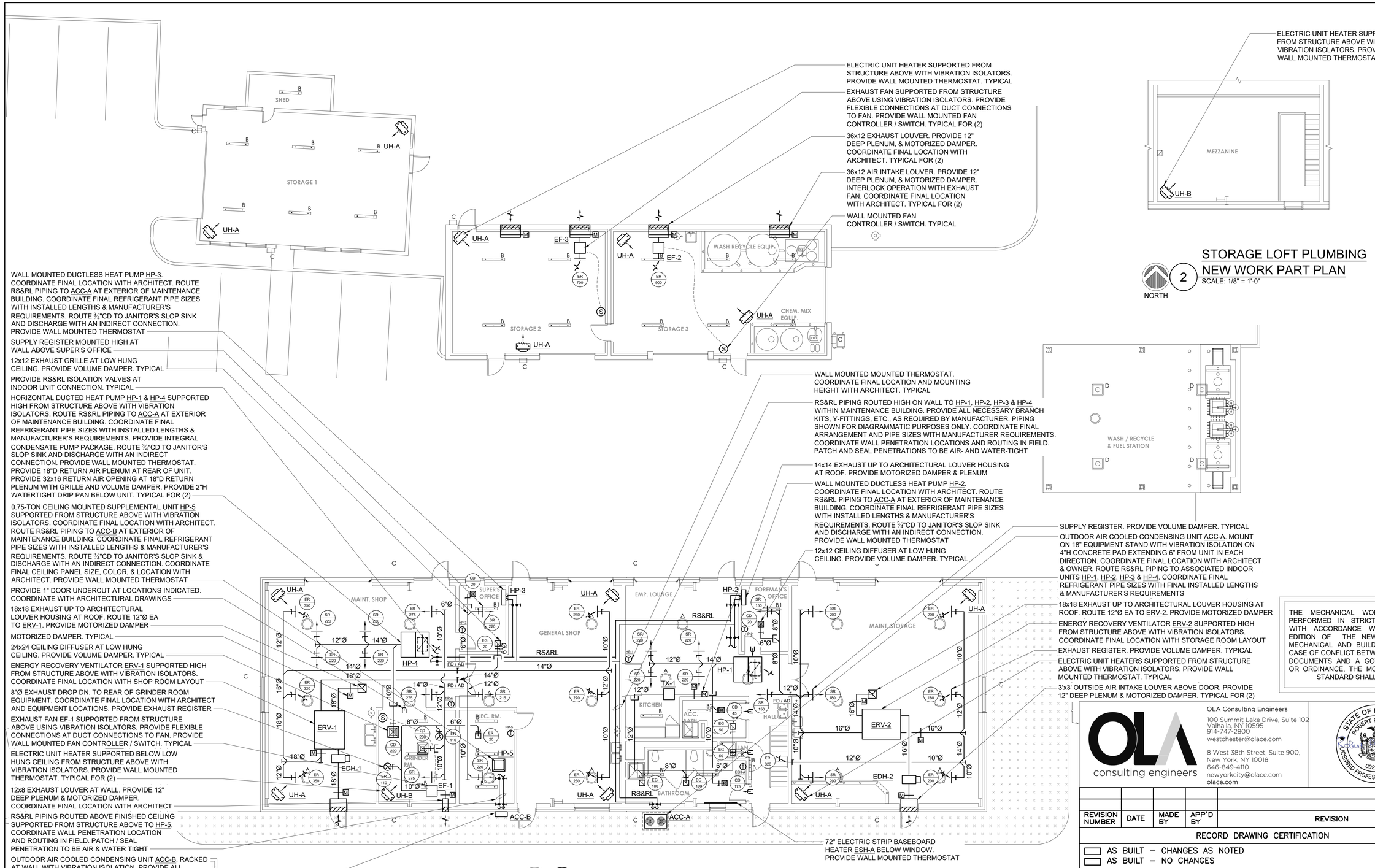
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE FACILITY MECHANICAL DEMOLITION PLAN

CONTRACT NUMBER 23-514
SHEET NUMBER M-101
SHEET NO. 47 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-M-139-0
REV. NO. 0



NORTH

2

STORAGE LOFT PLUMBING NEW WORK PART PLAN

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

NORTH

1

MAINTENANCE FACILITY MECHANCIAL NEW WORK PLAN

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

NOTES:

1. COORDINATE FINAL REFRIGERANT PIPE SIZES WITH INSTALLED LENGTHS AND MANUFACTURER'S REQUIRMENTS.
2. ALL ABOVE-GROUND EXTERIOR REFRIGERANT PIPING SHALL BE PROVIDED WITH 1" ELASTOMERIC INSULATION WITH PVC JACKETING. JACKETING SHALL BE FURNISHED WITH UV-RESISTANT AP ARMAFLEX WB COATING.
3. REFRIGERANT PIPING LAYOUT IS SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. PROVIDE ALL NECESSARY BRANCH KITS, Y-FITTINGS, ETC. AS REQUIRED BY MANUFACTURER.
4. PROVIDE VOLUME DAMPERS AT NEW DUCTWORK AS REQUIRED FOR PROPER BALANCING OF THE SYSTEM. PROVIDE CABLE OPERATED DAMPERS AT ALL LOCATIONS ABOVE GYP. CEILINGS
5. ALL AIR OUTLET LOCATIONS TO BE COORDINATED WITH ARCHITECTURAL RCP & FINAL LIGHTING LAYOUT.
6. ALL STICKERS, TAPE, PACKAGING, ETC. SHALL BE REMOVED FORM EXPOSED DUCTWORK PRIOR TO PAINTING. COORDINATE DUCT PAINTING AS REQUIRED WITH ARCHITECT.

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STATE OF NEW YORK · ROBERT P. GRUFFI · 092522 · LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 · SHEET NUMBER M-201

SHEET NO. 48 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
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MAINTENANCE FACILITY MECHANICAL NEW WORK PLAN

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RETURN REGISTER / TRANSFER GRILLE SCHEDULE

DESIGNATION	RR / TG
MODEL	3 FS (RECT) / S8F (SPIRAL)
MAX NK VEL (FT/MIN)	500
MAX NC	25
CONSTRUCTION	ALUMINUM
BORDER/FRAME	SURFACE MOUNTED
DEFLECTION	45° FIXED
SPACING	¾"

CFM RANGE	NOMINAL NECK SIZE
0-150	10x6
151-250	12x8
251-350	18x10
351-725	18x14
726-950	24x12
951-1100	36x14
1101-1400	36x18

NOTES:
1. RETURN REGISTERS ARE BASED ON TITUS.
2. THE ABOVE SCHEDULE INDICATES NOMINAL REGISTER NECK SIZES. THE CONTRACTOR SHALL COORDINATE THE REGISTER SIZE IN THE FIELD ACCORDING TO THE ACTUAL DUCT DIMENSIONS AND MAINTAIN AN EQUIVALENT CORE AREA.
3. SUBMIT COLOR CHART FOR REVIEW AND APPROVAL BY ARCHITECT.
4. RETURN REGISTERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED. CONTRACTOR TO COORDINATE.

SUPPLY REGISTER SCHEDULE

DESIGNATION	SR
MODEL	300RL (RECT) / S300FS (SPIRAL)
MAX NK VEL (FT/MIN)	550
MAX NC	25
CONSTRUCTION	STEEL
BORDER/FRAME	SURFACE MOUNTED
DEFLECTION	DOUBLE
SPACING	¾"

CFM RANGE	NOMINAL NECK SIZE
0-200	10x6
201-300	12x8
301-500	18x10
501-850	18x14
851-1100	24x12
1101-1700	36x14
1701-2000	36x18

NOTES:
1. SUPPLY REGISTERS BASED ON TITUS.
2. THE ABOVE SCHEDULE INDICATES NOMINAL REGISTER NECK SIZES. THE CONTRACTOR SHALL COORDINATE THE REGISTER SIZE IN THE FIELD ACCORDING TO THE ACTUAL DUCT DIMENSIONS AND MAINTAIN EQUIVALENT CORE AREA.
3. ALL REGISTERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER.
4. SUBMIT COLOR CHART FOR REVIEW AND APPROVAL BY ARCHITECT.
5. SUPPLY REGISTERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED, CONTRACTOR TO COORDINATE.

CEILING DIFFUSER SCHEDULE

	CD
MODEL	OMNI
MAX CORE VEL (FT/MIN)	550
MAX NC	25
CONSTRUCTION	STEEL
FRAME	LAY-IN
DEFLECTION	4 WAY
FACE SIZE	24x24 / 12x12

CFM RANGE	NECK SIZE Ø
0-100	6"
101-200	8"
201-350	10"
351-450	12"
451-600	14"
601-700	15"

NOTES:
1. CEILING SUPPLY DIFFUSERS ARE BASED ON TITUS.
2. ALL DIFFUSERS SHALL BE EQUIPPED WITH AN OPPOSED BLADE VOLUME DAMPER.
3. COORDINATE COLOR SELECTION WITH ARCH PLANS.
4. SUPPLY DIFFUSERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED, CONTRACTOR TO COORDINATE.
5. ALL LAY-IN DIFFUSERS SHALL HAVE A MODULE SIZE OF 24x24. FACE SIZES SHOWN IN SCHEDULE ARE FOR SURFACE MOUNT DIFFUSERS. NECK SIZES VARY ACCORDING TO THE SCHEDULE.
6. DIFFUSER BLOW PATTERN IS AS SHOWN ON DRAWINGS.

DUCTLESS SPLIT-SYSTEM AC UNIT SCHEDULE

INDOOR UNIT DESIGNATION	HP-1	HP-2	HP-3	HP-4	HP-5
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	FXSA36AAVJU	FXAA07AAVJU	FXAA07AAVJU	FXSA36AAVJU	FFQ09W2VJU9
AREA SERVED	EMP. LOUNGE	FOREMAN'S OFFICE	SUPER'S OFFICE	MAINT. SHOP	ELEC. RM.
NOMINAL COOLING CAPACITY (TONS)	3.0	0.63	0.63	3.0	0.75
COOLING CAPACITY (BTU/HR)	36,000	7,501	7,501	36,000	9,100
SENSIBLE CAPACITY (BTU/HR)	23,225	5,508	5,508	23,225	-
HEATING CAPACITY (BTU/HR)	40,015	8,502	8,502	40,015	10,000
CFM	1,130	282	282	1,130	378
RS PIPE SIZE (IN)	⅝	½	½	⅝	⅜
RL PIPE SIZE (IN)	⅜	¼	¼	⅜	¼
CONDENSATE DRAIN PIPE SIZE (IN)	1¼	1¼	1¼	1¼	1$^{3}/_{32}$
INDOOR EVAPORATOR UNIT:					
LOCATION	EMP. LOUNGE	FOREMAN'S OFFICE	SUPER'S OFFICE	MAINT. SHOP	ELEC. RM.
DIMENSIONS H x W x D (IN)	9.6 x 55.1 x 31.5	11.6 x 33.8 x 9.8	11.6 x 33.8 x 9.8	9.6 x 55.1 x 31.5	10.3 x 27.5 x 27.5
WEIGHT (LBS)	101.4	27.0	27.0	101.4	42.0
VOLTS/Ø/Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
MCA/MOCP	2.5 / 15.0	0.3 / 15.0	0.3 / 15.0	2.5 / 15.0	7.8 / 7.5 / 0.28 / 15.0
OUTDOOR CONDENSING UNIT:					
OUTDOOR UNIT DESIGNATION	ACC-A				ACC-B
LOCATION	MAINTENANCE BUILDING				MAINTENANCE BUILDING
MODEL	RXYA96AAYDA				RX09WMVJU9
DIMENSIONS H x W x D (IN)	65.4 x 48.8 x 30.1				21.6 x 26.5 x 11.2
WEIGHT (LBS)	694.0				63.0
REFRIGERANT TYPE	R32				R32
ELECTRICAL DATA:					
VOLTS/Ø/Hz	460 / 3 / 60				208 / 1 / 60
MCA/RLA/FLA/MOCP	17.5 / - / - / 20.0				7.8 / 7.5 / 0.17 / 15.0

NOTES:
1. PROVIDE THE FOLLOWING OPTIONS FOR EACH INDOOR UNIT:
HP-1, HP-2, HP-3, HP-4: DAIKIN HARD WIRED REMOTE CONTROLLER BRC1NRV71.
HP-5: DAIKIN HARD WIRED REMOTE CONTROLLER BRC1E73
DAIKIN INTEGRAL CONDENSATE PUMP PACKAGE DACA-CP1-1 AT INDOOR UNIT.
2. PROVIDE THE FOLLOWING OPTIONS FOR OUTDOOR UNIT (ACC-A):
• 0° LOW AMBIENT CONTROLS.
• (2) DAIKIN 2 PIPE REFNETT BRANCH PIPING KIT KHRP26A33A.
• (1) DAIKIN 2 PIPE REFNETT BRANCH PIPING KIT KHRP26A22TA.
3. FIELD SUPPLIED LOCAL DISCONNECT SWITCH AT INDOOR UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.
4. FIELD SUPPLIED WEATHERPROOF LOCAL DISCONNECT SWITCH AT OUTDOOR UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.
5. SINGLE POINT EXTERNAL POWER CONNECTION FOR EACH INDOOR/OUTDOOR SET OF UNITS SHALL BE AT THE OUTDOOR UNIT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING FROM THE OUTDOOR UNIT TO THE INDOOR UNIT.
6. THE AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE CONTROL WIRING BETWEEN THE OUTDOOR UNIT AND INDOOR UNIT.
7. PROVIDE ALL REQUIRED MOUNTING BRACKETS, ETC. FOR WALL HUNG INSTALLATION.
UNITS SHALL BE PROVIDED WITH "HYPER HEAT" OPTION OR EQUIVALENT

CONDENSATE DRAIN SIZING

EQUIPMENT CAPACITY	MINIMUM CONDENSATE DRAIN PIPE DIAMETER (IN.)
UP TO 20 TONS OF REFRIGERATION	¾"
OVER 20 TONS OF REFRIGERATION	1"
OVER 40 TONS TO 90 TONS OF REFRIGERATION	1¼"
OVER 90 TONS TO 125 TONS OF REFRIGERATION	1½"
OVER 125 TONS TO 250 TONS OF REFRIGERATION	2"

NOTES:
FOR SI: 1"=25.4mm, 1 TON OF CAPACITY=3.517 kW

EXHAUST FAN SCHEDULE

DESIGNATION	EF-1	EF-2	EF-3	TX-1
LOCATION	MAINT. SHOP 101	STORAGE 115	STORAGE 114	EMP. LOUNGE
AREA SERVED	GRINDER RM.	STORAGE 115	STORAGE 114	BATHROOM
MODEL	SQ-70-VG (VARI-GREEN)	SQ-95-VG (VARI-GREEN)	SQ-95-VG (VARI-GREEN)	SQ-90-VG (VARI-GREEN)
CFM	200	900	700	300
BHP	0.03	0.12	0.07	0.02
HP	1/15	¼	¼	⅛
FAN RPM	1594	1688	1397	1002
SP (IN H_2O)	0.25	0.15	0.15	0.15
VOLTS/Ø/Hz	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60	115 / 1 / 60
FLA/MCA/MOCP (AMPS)	1.3 / 1.6 / 15.0	3.8 / 4.8 /15.0	3.8 / 4.8 / 15.0	2.8 / 3.5 / 15.0

NOTES:
1. FANS BASED ON GREENHECK.
2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY.
3. FURNISH MOTOR STARTERS AND DISCONNECT SWITCHES FOR EACH FAN.
4. FURNISH MOTOR AND BELT GUARD FOR ALL EXTERNAL MOTOR DRIVES.
5. FURNISH RUBBER IN SHEAR OR SPRING VIBRATION ISOLATORS AS PER THE SPECIFICATION.
6. FURNISH WALL MOUNTED SPEED CONTROLLER OR THERMOSTAT AS INDICATED ON PLAN.

ENERGY RECOVERY AIR HANDLING UNIT SCHEDULE

DESIGNATION	ERV-1	ERV-2
LOCATION	MAINT. SHOP	MAINT. STORAGE
AREA SERVED	MAINT. SHOP / GENERAL SHOP	MAINT. STORAGE / EMP. LOUNGE
MANUFACTURER	OXYGEN 8	OXYGEN 8
MODEL	NOVA C20IN	NOVA C20IN
WEIGHT (LBS)	619	619
DIMENSIONS HxWxD (IN)	20$^{7}/_{8}$ x 65$^{7}/_{8}$ x 84	20$^{7}/_{8}$ x 65$^{7}/_{8}$ x 84
DESIGN DATA:		
SUPPLY AIR (CFM)	1700	900
OUTDOOR AIR (CFM)	1700	900
RETURN AIR (CFM)	1700	900
EXHAUST (CFM)	1700	900
SUMMER OA TEMP (°F) DB/WB	95.0 / 75.0	95.0 / 75.0
SUMMER RA TEMP (°F) DB/WB	75.0 / 63.0	75.0 / 63.0
WINTER OA TEMP (°F)	4.0 / 2.5	5.0 / 3.3
WINTER RA TEMP (°F)	70.0 / 52.9	70.0 / 52.9
PREHEAT ELECTRICAL HEATING COIL		
DESIGNATION	EDH-1	EDH-2
CFM	1700	900
EAT DB/WB (°F)	1.0 / 0	1.0 / 0
LAT DB/WB (°F)	4.0 / 2.5	5.0 / 3.3
MAX KW	3.0	3.0
WEIGHT (LBS)	112	112
EXHAUST FAN MODULE:		
DESIGN AIRFLOW (CFM) @ 100% OAI	1700	900
POWER KW	2.5	2.5
RPM	2600	2034
ESP/TSP (IN H_2O)	2.9 / 0.75	2.2 / 0.75
VOLTS/Ø/Hz	460 / 3 / 60	460 / 3 / 60
FILTER:		
PRE-FILTER	30% MERV-8	30% MERV-8
MAIN FILTER	85% MERV-13	85% MERV-13
QUANTITY/SIZE	(1) / 2"	(1) / 2"
SUPPLY FAN MODULE:		
DESIGN AIRFLOW (CFM) @ 100% OAI	1700	900
DESIGN AIRFLOW (CFM) @ MIN. OAI	1700	900
POWER KW	2.5	2.5
RPM	2408	1893
ESP/TSP (IN H_2O)	2.3 / 0.75	1.9 / 0.75
VOLTS/Ø/Hz	460 / 3 / 60	460 / 3 / 60
MULTIPLE POINT POWER CONNECTION - UNIT		
VOLTS/Ø/Hz	460 / 3 / 60	460 / 3 / 60
FLA/MCA/MOCP (AMPS)	8.14 / 9.00 / 15.00	8.14 / 9.00 / 15.00
MULTIPLE POINT POWER CONNECTION - ELECTRICAL PREHEAT		
VOLTS/Ø/Hz	460 / 3 / 60	460 / 3 / 60
FLA/MCA/MOCP (AMPS)	3.78 / 4.73 / 15.00	3.78 / 4.73 / 15.00

NOTES:
1. PROVIDE THE FOLLOWING MODULES FOR INDOOR UNIT (BACK TO FRONT):
• EXHAUST FAN MODULE.
• ENERGY RECOVERY MODULE W/ HEAT EXCHANGER. BYPASS DAMPERS SHALL BE ARRANGED TO DIVERT OUTDOOR AIR AND EXHAUST AIR AROUND THE HEAT EXCHANGER WHEN THE UNIT OPERATES IN 100% ECONOMIZER MODE.
• FLAT FILTER MODULE.
• SUPPLY FAN MODULE.
• UNIT SHALL BE SUPPORTED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATORS.
• UNIT SHALL BE PROVIDE WITH 4 POINTS POWER CONNECTION PROVIDE DISCONNECT SWITCH FOR EACH.
• HIGH EFFICIENCY VARIABLE SPEED EC DRIVE MOTORS.
• BACKWARD INCLINED FANS.
• NON FUSED DISCONNECT SWITCH.
• PRE-PAINTED WHITE EXTERIOR CASING.
• 22-GAUGE GALVANIZED STEEL INTERIOR PANEL.
• FILTER ALARMS: SIGNALED BY FACTORY MOUNTED PRESSURE SENSORS TO MEASURE PRESSURE ACROSS FILTER.
• 2" PLATED MERV-8 RETURN AIR FILTER, 2" MERB-13 SUPPLY AIR FILTER. PROVIDE ONE EXTRA SET OF EACH.
• REMOVABLE HINGE PINS FOR LIMITED ACCESS.
• AHRI CERTIFIED CROSS-FLOW CORE.
• PREHEAT AND POST HEATER.
• SCR CONTROLLED.
• NON FUSED DISCONNECT SWITCH FOR EACH.
• PROVIDE 18 MONTHS WARRANTY FOR UNIT.
• PROVIDE 5 YEAR WARRANTY ON CORE.
• PROVIDE 5 YEAR WARRANTY ADD-ON
• PROVIDE MOTORIZED DAMPERS FOR OA AND EA
2. INSTALLATION OPTIONS: CEILING MOUNTED HORIZONTAL INSTALLATION. DUCT CONNECTION OPTIONS ARRANGEMENT SHALL BE PROVIDED WITH SIDE OUTSIDE AIR, SIDE RA CONNECTION, SIDE EXHAUST AIR AND SIDE SUPPLY AIR CONNECTIONS.
3. PROVIDE THE FOLLOWING OPTIONAL EQUIPMENT FOR EACH UNIT:
• FURNISH EXTRA FILTER SET FOR EACH UNIT.
• ALL MODULATING DAMPERS SHALL BE OPPOSED-BLADE TYPE. OPEN/CLOSE DAMPERS MAY BE PARALLEL-BLADE TYPE.
• OUTSIDE AIR INTAKE DAMPER FOR EACH VARIABLE AIR VOLUME UNIT SHALL BE ARRANGED MODULATE TO MAINTAIN CONSTANT OAI CFM, INDEPENDENT OF VARIABLE SA CFM. PROVIDE AN OUTSIDE AIR INTAKE AIRFLOW MEASURING STATION.
4. PROVIDE THE FOLLOWING MOTOR CONTROL OPTIONS FOR EACH UNIT:
• FACTORY CONTROLS CABLE OF INTEGRATION WITH UNITARY CONTROLLER BY AUTOMATIC TEMPERATURE CONTROLS MANUFACTURER, COMPATIBLE WITH THE BUILDING AUTOMATION SYSTEM PROVIDE INTERLOCK BETWEEN:
• OPTIONAL HUMIDITY SENSOR.
• OPTIONAL PRESSURE SENSOR.
• PROVIDE BACNET CAPABILITY.
• ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS.
• ALL MOTOR STARTERS AND DISCONNECT SWITCHES SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.
• NON-FUSED LOCAL DISCONNECT SWITCH. MOTOR STARTERS AND VFD'S SHALL BE FACTORY INSTALLED.

EQUIPMENT NOTES

1. LOUVERS: (OUTSIDE AIR INTAKE & EXHAUST): SHALL BE RUSKIN MODEL ELF375DX, 4" DEEP, WITH 54% FREE AREA, 606375 EXTRUDED ALUMINUM DRAINABLE BLADES AT 37.5" AND 5-3/32" SPACING, 4" DEEP 606375 EXTRUDED ALUMINUM FRAME, AND ½" GALVANIZED STEEL BIRD SCREEN. MINIMUM LOUVER SIZE 12"x12". ANODIZED CUSTOM COLOR TO BE SELECTED BY ARCHITECT. COORDINATE WITH ARCHITECTURAL PLANS.
2. MOTORIZED DAMPER: SHALL BE RUSKIN MODEL CD40. 4" DEEP EXTRUDED ALUMINUM AIRFOIL DAMPER. DAMPER SHALL HAVE OPPOSED BLADES, MOTOR, AND LINKAGE. DAMPER SHALL BE 120V, 3 AMP MAX. DAMPER SHALL BE LOW-LEAKAGE RATED TYPE.
   2.1. OUTSIDE AIR INTAKE & EXHAUST DAMPERS SHALL BE CLASS I MOTORIZED DAMPERS WITH MAXIMUM LEAKAGE RATE OF 4 CFM/FT² @ 1.0" W.G.; TESTED IN ACCORDANCE WITH AMCA 500D. DAMPERS SHALL BE CONFIGURED TO CLOSE AUTOMATICALLY WHEN THE SYSTEMS OF SPACE SERVED ARE NOT IN USE.
3. HEAVY DUTY SIDEWALL RETURN AIR REGISTERS - FOR USE IN MAINTENANCE SHOP AREAS: SHALL BE TITUS MODEL 33RL, STEEL CONSTRUCTION, WITH 1/2" SPACING, 38° FIXED DEFLECTION, 16-GAUGE BORDER, 14-GAUGE BLADES, SUPPORT BARS 6" ON CENTER, OPPOSED BLADE VOLUME DAMPER IN NECK, SIZE AND CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL. SUBMIT COLOR CHART FOR APPROVAL. FRAME SHALL BE SUITABLE FOR SURFACE MOUNTING. COORDINATE WITH ARCH PLANS.
4. ELECTRIC UNIT HEATER (UH-A): SHALL BE MARKEL MODEL P3PUH05CA1, RATED AT 400 CFM, 17.1 MBH, 5 KW, 480V/3ϕ/60Hz, 6.1 AMPS. HEATERS WITHIN STORAGE 1 SHALL BE RATED AT 208V/3ϕ/60HZ. PROVIDE THE FOLLOWING OPTIONS: FAN GUARD, AIR DEFLECTION LOUVER, SUMMER FAN SWITCH, HEAT PURGE FAN DELAY SWITCH, DISCONNECT SWITCH, & WALL THERMOSTAT.
5. ELECTRIC UNIT HEATER (UH-B): SHALL BE MODINE MODEL HER-30C-3301, RATED AT 380 CFM, 10.2 MBH 3.0 KW, 480V/3ϕ/60Hz, 1/40 HP. PROVIDE THE FOLLOWING OPTIONS: FAN GUARD, AIR DEFLECTION LOUVER, SUMMER FAN SWITCH, HEAT PURGE FAN DELAY SWITCH, DISCONNECT, & WALL THERMOSTAT.
6. ELECTRIC STRIP HEATER (ESH-A): SHALL BE MARKE; MODEL F2915-072S, ALUMINUM ELEMENT, FACTORY PAINTED WHITE. HEATER IN THE MAINTENANCE FACILITY BATHROOM SHALL BE 72" LONG, 5100 BTU OUTPUT, 208V/1ϕ/60Hz, 7.2 AMPS
7. VIBRATION ISOLATORS: ALL INDOOR AND OUTDOOR HVAC EQUIPMENT SHALL BE MOUNTED ON SPRING VIBRATION ISOLATORS, WITH A RATED STATIC DEFLECTION OF AT LEAST 1". USE MASON TYPE "SLF" OR "SLFH" FOR FLOOR MOUNTED EQUIPMENT, RATED FOR MACHINE LOAD. USE MASON TYPE "30" OR "W30" FOR EQUIPMENT SUSPENDED FROM CEILING. ASSUMING THE EQUIPMENT IS MOUNTED TO PROVIDE FOR EQUAL LOAD DISTRIBUTION, EACH SPRING SHALL BE RATED FOR 1/4 THE UNIT'S TOTAL WEIGHT. SYSTEMS MUST BE ENGINEERED FOR 95% ISOLATION EFFICIENCY AT THE LOWEST ROTATIONAL SPEED OF THE UNIT.
8. ALL HVAC EQUIPMENT SHALL HAVE 3" HIGH BLACK LAMACOID NAME PLATES WITH WHITE ENGRAVED LETTERS PERMANENTLY FASTENED TO EQUIPMENT. TYPICAL FOR ALL PUMPS & HVAC EQUIPMENT.
9. VOLUME CONTROL DAMPERS: FOR ALL ROUND & RECTANGULAR VOLUME CONTROL DAMPERS THAT ARE LOCATED ABOVE INACCESSIBLE CEILINGS, PROVIDE CABLE OPERATED DAMPERS. ROUND DAMPERS SHALL BE YOUNG BOWDEN MODEL 5020-CC. RECTANGULAR DAMPERS SHALL BE MODEL 830-CC2. CABLE CONTROLS SHALL BE MODEL 270-275 FOR CONCEALED LOCATIONS & MODEL 270-896C FOR LOCATIONS WHERE CABLES TERMINATE IN FINISHED SPACES. COORDINATE LOCATIONS IN THE FIELD.
10. FIRE DAMPERS: SHALL BE RUSKIN MODEL DIBD-2, 1-1/2 HOUR UL555 RATED, SUITABLE FOR INSTALLATION IN WALL AND FLOOR PARTITIONS WITH FIRE RATINGS OF LESS THAN 3 HOURS. DAMPER SHALL BE A COMPLETE FACTORY PACKAGE INCLUDING U.L. APPROVED ANGLES, WALL SLEEVE, AND BREAKAWAY CONNECTIONS. DAMPER SHALL BE RATED FOR DYNAMIC AIRFLOW CONDITIONS OF 2,000 FPM AND 4.0" SP.
8. PIPE LABELS: SHALL BE SETON ULTRA-MARK WEATHER RESISTANT FOR OUTDOOR APPLICATION AND OPTI-CODE FOR INDOOR APPLICATION. LETTERS AND ARROWS SHALL BE 2 1/2" HIGH AND SHALL BE WHITE ON A GREEN BACKGROUND AND SHALL CONFORM TO ANSI AND OSHA STANDARDS. APPLY OVER INSULATION ONLY.
9. PIPE INSULATION JACKETING: SHALL BE WHITE ZESTON 2000 PVC COVERS FOR PIPING AND FITTINGS. JACKET ALL PIPING AND FITTING THAT ARE EXPOSED IN ANY ROOM.
10. REFRIGERANT PIPING INSULATION: SHALL BE ARMAFLEX PIPE INSULATION 1" THICK UNSLIT, TO BE INSTALLED BEFORE FINAL CONNECTION. FIELD FABRICATE FITTING INSULATION MITER-CUTS. ALL BUTT JOINTS AND SEAMS ARE TO BE SEALED WITH ARMSTRONG 520 ADHESIVE. ALL INSULATION OUTDOORS SHALL BE COATED WITH ARMSTRONG ARMAFLEX FINISH OR PROVIDED WITH RIGID JACKETING, AS PER THE MANUFACTURERS RECOMMENDATIONS. ALL OUTDOOR PIPE INSULATED COVERINGS SHALL BE UCV RATE / RESISTANCE. ALL CONTROL WIRING SHALL BE ROUTED WITHIN UV RESISTANT COVERING.

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OLA consulting engineers

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100 Summit Lake Drive, Suite 102
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westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK · ROBERT P. GRUFFI · 092522 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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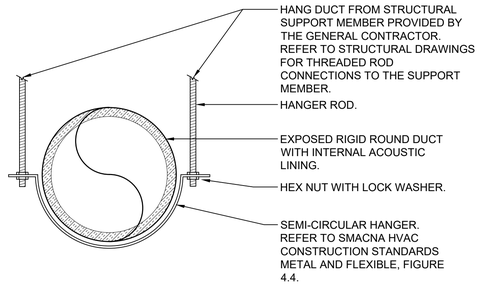
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WESTCHESTER COUNTY, NEW YORK
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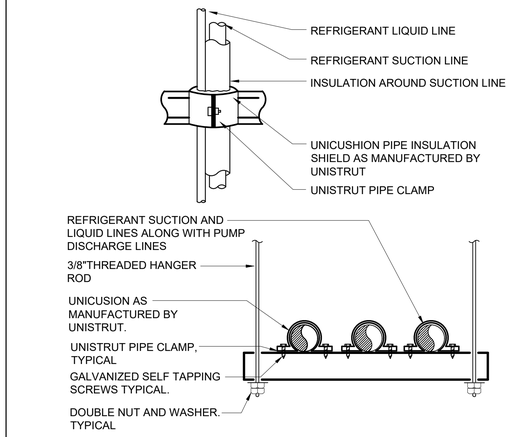
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MECHANICAL SCHEDULES

CONTRACT NUMBER 23-514
SHEET NUMBER M-601
SHEET NO. 49 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-M-141-0
REV. NO. 0



HANGER ROD SCHEDULE		
DUCT SIZE	HANGER DIA	MAXIMUM SPACING
UP TO 2 SQ. FT.	16 GAUGE - $\frac{3}{8}$"	8'-0"
2 SQ. FT. TO 4 SQ. FT.	11 GAUGE - $\frac{1}{2}$"	8'-0"
4 SQ. FT. TO 10 SQ. FT.	11 GAUGE - $\frac{1}{2}$"	6'-0"
OVER 10 SQ. FT.	11 GAUGE - $\frac{1}{2}$"	4'-0"

9 HANGER DETAIL FOR EXPOSED ROUND DUCTWORK
SCALE: NONE



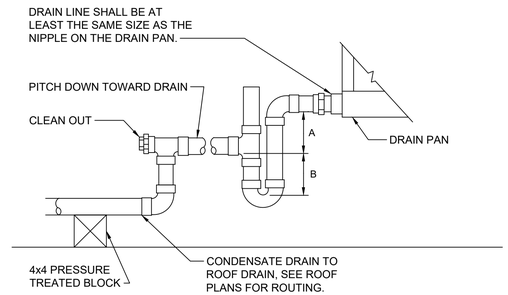
NOTES:
1.) LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT.

2.) LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE ACCESS TO THE INDOOR COIL.

3.) USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS, WHERE SHORT RADIUS ELBOWS SHOULD BE USED.

4.) SLOPE HORIZONTAL SUCTION LINES 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR UNIT.

7 REFRIGERANT PIPE SUPPORT DETAIL
SCALE: NONE



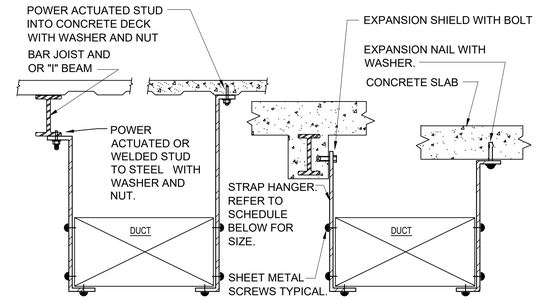
DESIGNER'S NOTE:

UNIT TYPE	A	B
DRAW THRU	2" (50 MM) PLUS X	X
BLOW THRU	1" (25 MM) MINIMUM	2X

WHERE X = STATIC PRESSURE IN PAN

5 AIR HANDLING UNIT DRAIN TRAP DETAIL
SCALE: NONE

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NOTES:
1. FOR DUCTS OVER 49" WIDE, THE STRAP HANGER SHALL BE TURNED UNDER THE BOTTOM OF THE DUCT.

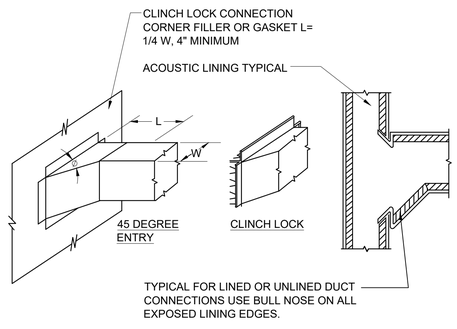
2. ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

HANGER STRAP SCHEDULE		
DUCT SIZE	HANGER SIZE	MAXIMUM SPACING
UP TO 2 SQ.FT.	1" X 1/16"	8'-0"
2 SQ.FT. TO 4 SQ.FT.	1" X 1/8"	8'-0"
4 SQ.FT. TO 10 SQ.FT.	1" X 1/8"	6'-0"
OVER 10 SQ.FT.	1" X 1/8"	4'-0"

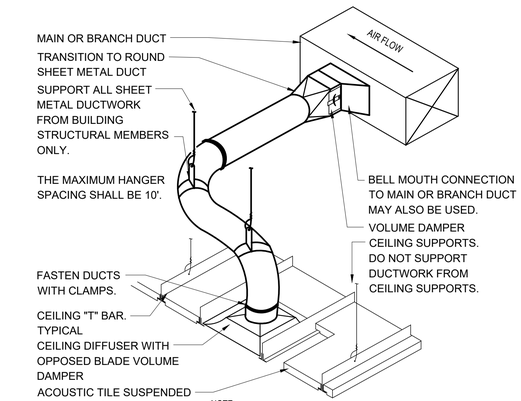
2 DUCT HANGER DETAIL
SCALE: NONE

NOTES:
1.) SINGLE LINE REPRESENTATIONS REFER TO DOUBLE LINE DETAILS.
2.) USE RADIUS OR SQUARE VANED BENDS FOR BOTH ELBOWS AND SPLITS AS DETERMINED BY SPACE LIMITATIONS, AND THE DISTANCE FROM AIR OUTLETS.
3.) ALL SQUARE ELBOWS SHALL HAVE FACTORY TURNING VANES, AND MAINTAIN A CONSTANT WIDTH.
4.) WHERE DUCTS SPLIT, THE SOLID LINE REPRESENTATION IS PREFERRED, UNLESS PRECLUDED BY SPACE, OR OTHERWISE INDICATED.
5.) USE ELBOW SPLIT FOR BRANCH CONNECTIONS ONLY WHERE NECK SIZE IS GIVEN.

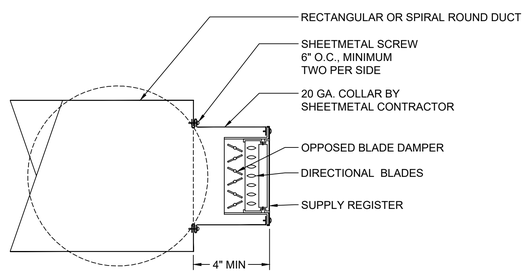
8 DUCT BRANCH TAKEOFF DETAIL
SCALE: NONE



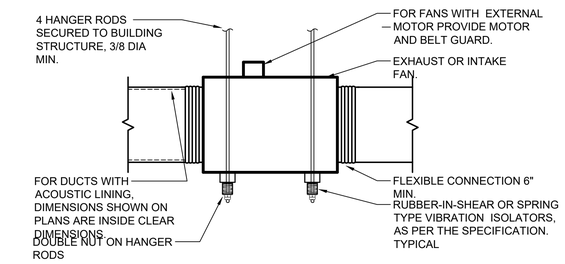
6 DUCT BRANCH CONNECTION DETAIL
SCALE: NONE



4 FLEXIBLE DUCT CONNECTION DETAIL
SCALE: NONE



3 SUPPLY REGISTER MOUNTING DETAIL FOR EXPOSED DUCTWORK
SCALE: NONE



1 INLINE FAN DETAIL
SCALE: NONE

OLA consulting engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER M-701
SHEET NO. 50 OF 69

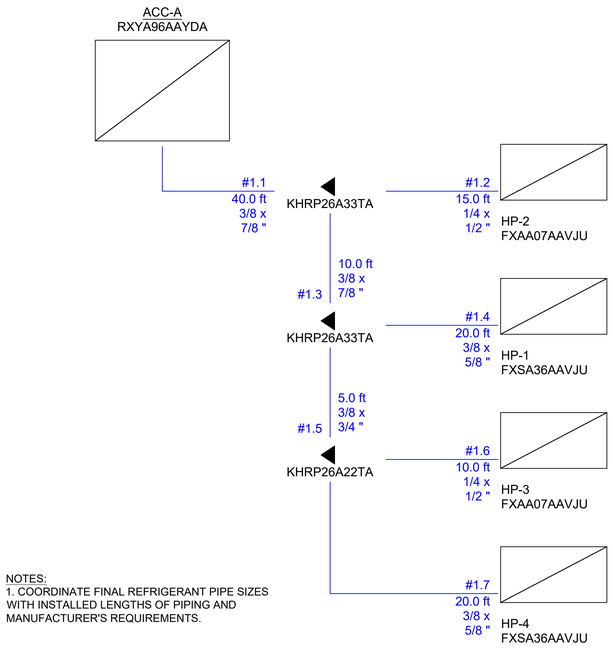
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MECHANICAL DETAILS 1 OF 2

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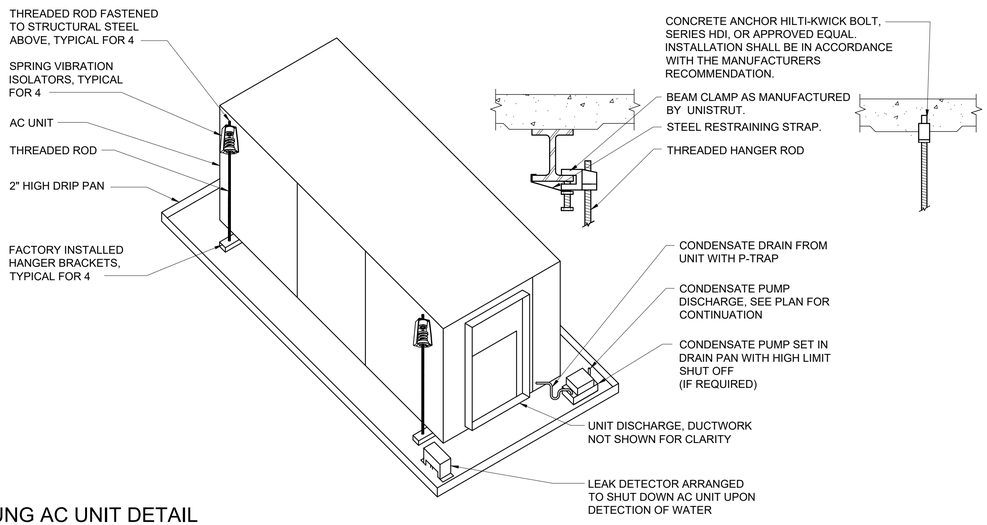
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NOTES:
1. COORDINATE FINAL REFRIGERANT PIPE SIZES WITH INSTALLED LENGTHS OF PIPING AND MANUFACTURER'S REQUIREMENTS.

7 ACC-A REFRIGERANT PIPING DIAGRAM
SCALE: NONE

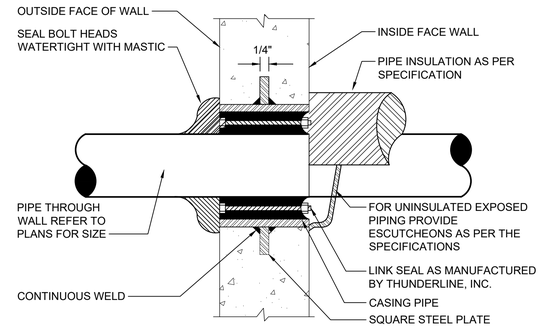


6 HUNG AC UNIT DETAIL
SCALE: NONE

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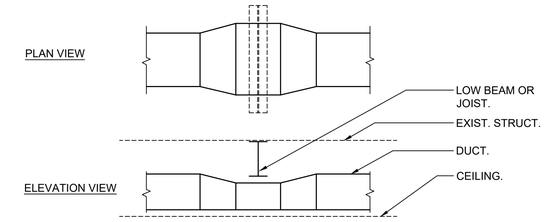
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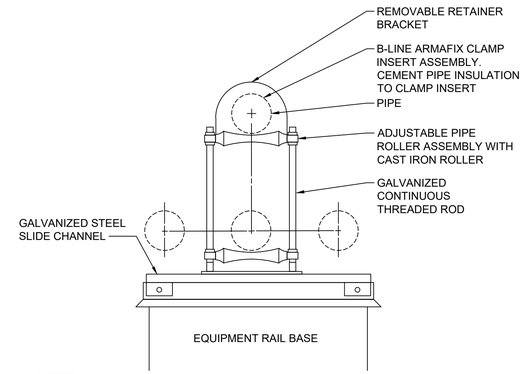
NOTES:
1.) IN NEW WALL CONSTRUCTION, SQUARE STEEL PLATE SHALL BE IN THE CENTER OF THE WALL. IF WALL CONSTRUCTION IS EXISTING, A SQUARE STEEL PLATE SHALL BE BOLTED TO EACH SIDE OF THE EXISTING WALL.

5 EXTERIOR WALL PIPE PENETRATION DETAIL
SCALE: NONE



NOTES:
1.) WHERE INDICATED ON THE PLANS, OR REQUIRED DUE TO FIELD CONDITIONS, THE CONTRACTOR SHALL ROUTE DUCTWORK UNDER LOW BEAMS OR JOISTS IN THE MANNER INDICATED ABOVE.
2.) REDUCE DUCT HEIGHT AT THE CROSSING IN ORDER TO FIT UNDER THE BEAM OR JOIST.
3.) INCREASE DUCT WIDTH AT THE CROSSING IN ORDER TO MAINTAIN THE SAME CROSS SECTIONAL AREA.
4.) USE SMACNA APPROVED TRANSITIONS.
5.) THE MECHANICAL CONTRACTOR SHALL ADHERE TO FINISH CEILING HEIGHTS NOTED ON ARCHITECTURAL REFLECTED CEILING PLANS (RCP'S). ANY DEVIATION FROM FINISH CEILING HEIGHTS NOTED ON RCP'S - EITHER HIGHER OR LOWER - SHALL BE REVIEWED AND APPROVED BY ARCHITECT BEFORE EXECUTION OF THE WORK

2 DUCT UNDER LOW BEAM DETAIL
SCALE: NONE

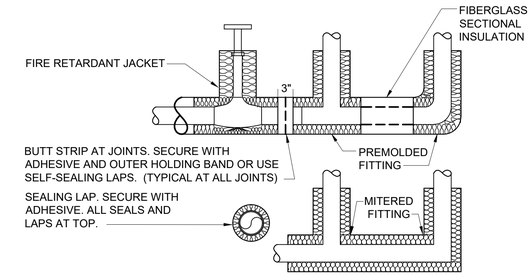


NOTES:
1.) ALL BRACKETS, HANGERS, AND FASTENERS SHALL BE GALVANIZED STEEL.
2.) CLAMP INSERT ASSEMBLY SHALL INCLUDE GALVANIZED STEEL PIPE CLAMP, ARMAFLEX INSULATION WITH PAINTED ALUMINUM JACKET, AND INTERIOR SUPPORTS.

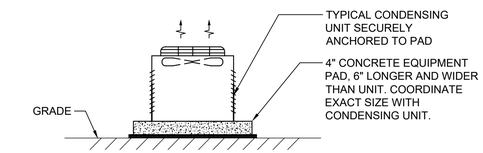
4 ON-GRADE PIPE SUPPORT DETAIL
SCALE: NONE

CONCEALED VALVES AND FITTINGS
1. WRAP WITH I" THICK, I LB. DENSITY TO REQUIRED PIPE INSULATION THICKNESS.
2. SECURE WITH WIRE OR TAPE.
3. VAPOR SEAL COLD WATER AND STORM WATER PIPING.

EXPOSED VALVES AND FITTINGS
1. PREMOLDED FIBERGLASS OR RADIAL MITERED PIPE INSULATION.
2. SKIM COAT OF INSULATING CEMENT.
3. COAT OF MASTIC
4. WRAP WITH FIBERGLASS REINFORCING CLOTH.
5. FINISH COAT OF MASTIC.
6. OVERLAP 2" ON PIPE INSULATION.



1 PIPE INSULATION DETAIL
SCALE: NONE



NOTES:
1.) ARRANGEMENT IS TYPICAL FOR UP FLOW OR HORIZONTAL FLOW CONDENSING UNITS.

3 AIR COOLED CONDENSING UNIT SUPPORT PAD DETAIL
SCALE: NONE

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NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MECHANICAL DETAILS 2 OF 2

CONTRACT NUMBER 23-514
SHEET NUMBER M-702
SHEET NO. 51 OF 69
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REV. NO. 0

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
———	-	CONDUIT AND WIRING
– – – – –	-	CONDUIT & WIRING TO BE REMOVED UON
— —UG— —	-	BURIED CONDUIT
——OH——	-	OVERHEAD CONDUCTORS
	-	HOMERUN TO PANEL, ARROWS INDICATE # 1P
	-	MULTI-POLE HOMERUN
	-	ELECTRICAL EQUIPMENT AS INDICATED
	-	ELECTRICAL EQUIPMENT TO BE REMOVED UON
M	-	ELECTRIC METER
J	-	JUNCTION BOX
	-	FUSED DISCONNECT SWITCH
	-	UNFUSED DISCONNECT SWITCH
VFD	-	VARIABLE FREQUENCY DRIVE
S_V	-	SPEED CONTROLLER (FB0)
	-	MOTOR
	-	BATTERY PACK EMERGENCY LIGHT FIXTURE
	-	EXIT LIGHT, FACES-SHADED, CHEVRON-ARROW
S_x	-	SINGLE POLE SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)
S_x^3	-	THREE WAY SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)
S_x^4	-	FOUR WAY SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)
S_M	-	MOTOR RATED TOGGLE SWITCH
	-	WALL MOUNTED OCCUPANCY SENSOR
	-	DUPLEX RECEPTACLE
	-	DOUBLE DUPLEX RECEPTACLE
	-	SPECIAL RECEPTACLE
HD	-	ELECTRIC HAND DRYER
EPO	EPO	EMERGENCY POWER OFF SWITCH
	CB	CIRCUIT BREAKER
	-	ENCLOSED CIRCUIT BREAKER
200AS 150AF	-	FUSED SWITCH
G	GEN	GENERATOR
OR	GND	GROUND AS PER LOCAL CODE
	-	GROUND BAR
	-	TRANSFER SWITCH
OR T	XFMR	TRANSFORMER
	CT	CURRENT TRANSFORMER
	-	UTILITY POLE
WM	WM	WATER MAIN
M	MD	MOTORIZED DAMPER
UH	UH	UNIT HEATER
	A	AMPERE(S)
	AC	AIR CONDITIONER
	ACC	AIR CONDITIONER CONDENSER
	AF	AMPERAGE OF FUSE
	AFF	ABOVE FINISHED FLOOR
	AS	AMPERAGE OF SWITCH
	ATS	AUTOMATIC TRANSFER SWITCH
	AWG	AMERICAN WIRE GAUGE
	BCW	BARE COPPER WIRE
	BLDG	BUILDING
	C	CONDUIT

SYMBOL	ABBREVIATION	DESCRIPTION
	CD	CANDELA
	CKT	CIRCUIT
	CLG	CEILING
	COL	COLUMN
	CU	COPPER
	DEM.	DEMOLISH AND REMOVE
	DISC	DISCONNECT
	DWG	DRAWING
	EM	EMERGENCY
	EX.	EXISTING TO REMAIN
	GEN	GENERATOR
	GFI	GROUND FAULT INTERRUPTER
	HP	HORSEPOWER
	HVAC	HEATING VENTILATION AIR CONDITIONING
	IG	ISOLATED GROUND
	KVA	KILO-VOLT-AMPERE
	KW	KILO-WATT
	MAX	MAXIMUM
	MCB	MAIN CIRCUIT BREAKER
	MIN	MINIMUM
	MLO	MAIN LUG ONLY
	MTS	MANUAL TRANSFER SWITCH
	NIC	NOT IN CONTRACT
	OH	OVERHEAD
	P	POLE
	PNL	PANEL
	PVC	POLY VINYL CHLORIDE
	RGS	RIGID GALVANIZED STEEL
	SW	SWITCH(ES)
	TELCO	TELEPHONE COMPANY
	TYP	TYPICAL
	UG	UNDERGROUND
	UON	UNLESS OTHERWISE NOTED
	VIF	VERIFY IN FIELD
	V	VOLT(S)
	WP	WEATHERPROOF

NOTES:
1.) ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE APPLICABLE FOR THIS PROJECT.
2.) SEE LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE SYMBOLS.

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.
4. ALL WORK INVOLVING THE ELECTRIC SERVICE SHALL BE COORDINATED AND APPROVED BY THE UTILITY COMPANY.
5. ALL CONDUCTORS SHALL BE COPPER UON "ON DRAWINGS".
6. ELECTRONIC FILES OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS ARE AVAILABLE TO THE CONTRACTOR. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS-BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR PRIOR TO RELEASE OF THE ELECTRONIC FILES.
7. CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD.

IN CHARGE OF RG
CHECKED BY DS
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GENERAL NOTES CONTINUED

8. WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.
9. INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.
10. UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.
11. DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, AND CFSD/SD SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON PLANS.
12. ALL CONDUCTORS INSTALLED BETWEEN VFDs AND ASSOCIATED MOTORS SHALL BE XHHW-2, 1000V IN RGS, IMC, EMT, FMC OR LFMC.
13. EACH DUPLEX AND QUAD RECEPTACLE SHALL BE LABELED WITH THE CIRCUIT NUMBER WHICH IT SERVES. ALPHANUMERICS TO BE 1/8" HIGH AND BLACK ON CLEAR BACKGROUND. LABELS SHALL BE SELF ADHESIVE. IDENTIFY ASSOCIATED PANEL AND CIRCUIT NUMBER.
14. THE ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE BUILDING CODES AND 2017 NATIONAL ELECTRICAL CODE. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
15. FOR EACH WALL MOUNTED COMMUNICATIONS OUTLET, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1 INCH CONDUIT WITH DRAGLINE FROM OUTLET TO ELEC RM. OR 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE BY OTHERS.
16. COMMUNICATION WIRING BY OTHERS. COORDINATE COMMUNICATION JACKS WITH REPRESENTATIVE / OWNER'S VENDOR. TYPICAL.

DEFINITION OF TERMS

1. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION" IS INTENDED.
2. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "JOHN LEVY - WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS " IS INTENDED.
3. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.
4. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "ELECTRICAL UTILITY" OR "POWER COMPANY" ARE USED, IT MUST BE UNDERSTOOD THAT "CON EDISON" IS INTENDED.
5. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "TELEPHONE UTILITY" OR "TELCO" ARE USED, IT MUST BE UNDERSTOOD THAT "VERIZON" IS INTENDED.
6. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "FIRE ALARM SYSTEM" OR "FIRE ALARM VENDOR" ARE USED, IT MUST BE UNDERSTOOD THAT "EVERON" IS INTENDED.
7. "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.
8. "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.
9. "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.
10. "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.
11. THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:

A. "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE.

B. "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.

C. "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.

D. "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.

LIGHTNING PROTECTION

PROVIDE A LIGHTNING PROTECTION SYSTEM FOR THE NEW MAINTENANCE BUILDING. SYSTEM SHALL INCLUDE ALL MATERIALS REQUIRED,INCLUDING AIR TERMINALS, CONDUCTORS, FASTENERS, ETC. SYSTEM SHALL ALSO PROTECT GENERATOR. COORDINATE DESIGN AND EXACT SCOPE OF SYSTEM WITH ARCHITECT AND CLIENT. REFER TO BID DOCUMENTS FOR ALLOWANCE TO BE CARRIED FOR THIS SYSTEM.

TYPICAL BRANCH CIRCUIT WIRING LEGEND

2-#12 & 1-#12 GND (1-1P-20A OR 1-1P-15A CB)

3-#12 & 1-#12 GND (3P-20A OR 3P-15A CB)

2-#12 & 1-#12 GND (2P-20A OR 2P-15A CB)

13 — CIRCUIT # / RECEPTACLE

15 — LIGHT FIXTURE TYPE / SWITCH CONTROL (A, a) / LIGHT FIXTURE CIRCUIT #

NOTES:
1. EACH 120V AND 277V CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
2. CONDUCTORS SHALL BE INCREASED FOR VOLTAGE DROP AND DERATING AS PER APPLICABLE ELECTRICAL CODE. FOR CIRCUITS THAT ARE BETWEEN 100' AND 150' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #10 AWG. FOR CIRCUITS THAT ARE BETWEEN 150' AND 225' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #8 AWG. FOR LENGTHS GREATER THAN 225' IN LENGTH, VERIFY CONDUCTOR SIZES WITH ENGINEER.

DEMOLITION NOTES

1. ALL EQUIPMENT SHALL BE DISCONNECTED AND REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.
3. CIRCUIT BREAKER, DISCONNECT SWITCH, PANELBOARD, EQUIPMENT, CONDUIT CONDUCTOR, ETC. SIZES AND RATINGS INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.
4. ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.
5. ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
6. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES. INCLUDE ALLOWANCES FOR NORMAL UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED EXPECT IN SPECIFIC CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT AND/OR ENGINEER.
7. ALL ELECTRICAL WORK IN ADJOINING AREAS WHICH IS REQUIRED TO REMAIN OPERATIONAL BUT IS AFFECTED BY DEMOLITION WORK SHALL BE RECONNECTED AND RESTORED TO ITS PRESENT FUNCTION AS PART OF ELECTRICAL SYSTEM OF THE BUILDING(S).
8. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL OUTLETS, SWITCHES, AND OTHER DEVICES, COMPLETE WITH ASSOCIATED WIRING, CONDUIT, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS MAKE DEAD ELECTRICAL WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE THE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO THE PANELBOARD.
9. ALL RACEWAYS WHICH BECOME EXPOSED BEYOND FINISHED SURFACES BECAUSE OF THE ALTERATION WORK SHALL BE REMOVED AND REROUTED BEHIND THE FINISHED SURFACES.
10. PORTIONS OF FEEDER LINES THAT HAVE TO BE REMOVED AS A RESULT OF DEMOLITION WORK, BUT ARE REQUIRED TO CONTINUE TO FUNCTION, SHALL BE CUT AT CONVENIENT LOCATIONS OUTSIDE OF THE AREA OF WORK, REROUTED AND RECONNECTED FOR CONTINUATION OF THEIR PRESENT FUNCTION. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING ONES IN ALL RESPECTED: CONDUCTOR CAPACITY, CONDUIT SIZE, ETC.

TRENCHING NOTES

1. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES THAT ARE NOT PART OF N.Y. STATE "CODE 753" PRIOR TO DIGGING.
2. ALL EXCAVATING IN THE AREA OF THE EXISTING UNDERGROUND EQUIPMENT, PIPES AND CONDUITS SHALL BE PERFORMED BY HAND.
3. ANY AREA/PLANTS OR LANDSCAPING OR PAVEMENTS DISTURBED DURING THE EXCAVATION SHALL BE RESTORED OR REPLACED TO MATCH EXISTING CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.
4. ANY EXISTING BURIED CONDUITS, DRAINAGE, SPRINKLER PIPING, ETC. THAT IS DISTURBED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
5. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA. EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 1-800-962-7962 (NY STATE).

ELECTRICAL DESIGN CRITERIA

1. CODES AND STANDARD: THE FOLLOWING CODES AND STANDARDS WILL BE ADHERED TO THROUGHOUT THE DESIGN AS MINIMUM REQUIREMENT:

a. 2020 BUILDING CODE OF NEW YORK STATE
b. 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE
c. 2017 NATIONAL ELECTRICAL CODE

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STATE OF NEW YORK — ROBERT P. GRUFFI — 092522 — LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
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CONTRACTOR
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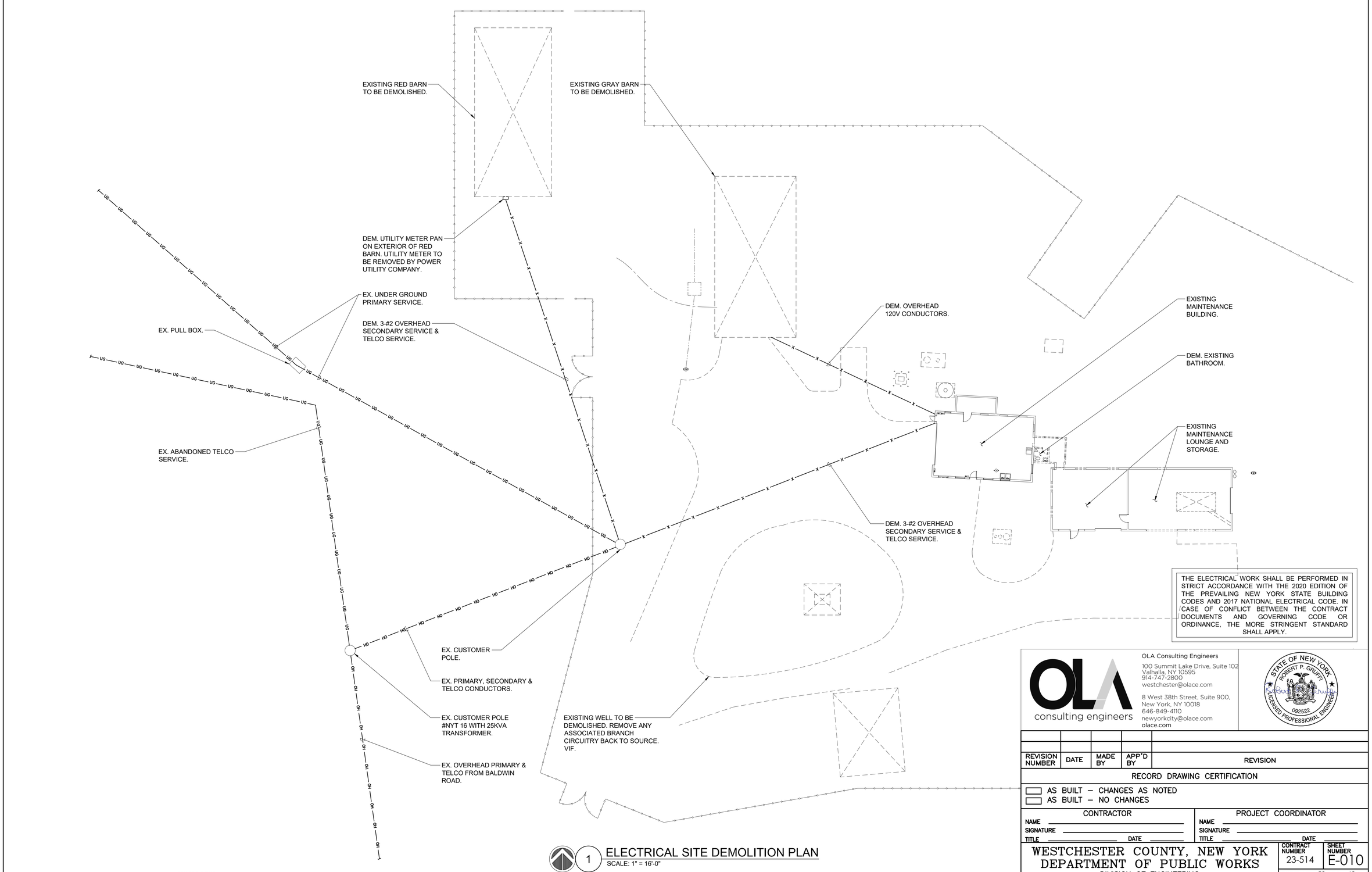
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER E-001
SHEET NO. 52 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES

SCALE: AS NOTED
DATE: 5 / 1 / 2026

DPW FILE NO. 10-02-E-144-0
REV. NO. 0



1 ELECTRICAL SITE DEMOLITION PLAN
SCALE: 1" = 16'-0"

THE ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE PREVAILING NEW YORK STATE BUILDING CODES AND 2017 NATIONAL ELECTRICAL CODE. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

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STATE OF NEW YORK
ROBERT P. GRUFFI
092522
LICENSED PROFESSIONAL ENGINEER

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER E-010
SHEET NO. 53 OF 69

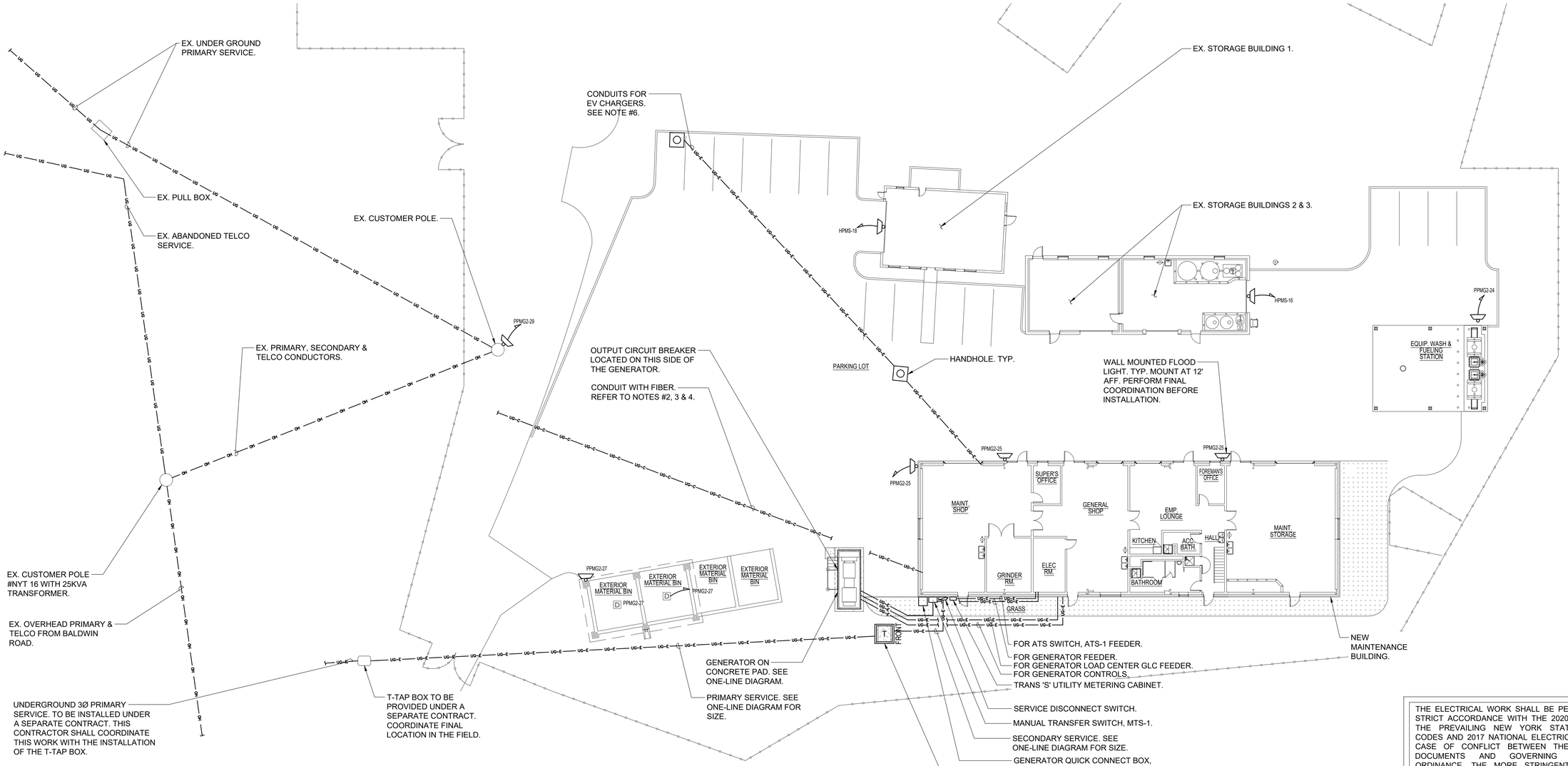
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL SITE DEMOLITION PLAN

SCALE: AS NOTED
DATE: 5 / 1 / 2026
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NORTH

1 ELECTRICAL SITE NEW WORK PLAN

SCALE: 1" = 16'-0"

NOTES:

1.) SEE ONE-LINE DIAGRAM FOR INFORMATION AND SIZING OF ELECTRICAL EQUIPMENT.

2.) REFER TO DRAWING L-101 'SITE PLAN & UTILITIES' AND DRAWING A-501 'DETAILS' SHOWING NEW TRENCH FROM RADIO TOWER I.T. RM TO THE NEW MAINTENANCE BUILDING FOR SECURITY AND COMMUNICATION. THE ELECTRICAL CONTRACTOR SHALL PROVIDE (2) 2" PVC EMPTY CONDUITS WITH DRAGLINES AND (3) HANDHOLES RATED H-20 FOR VEHICULAR TRAFFIC.

3.) REFER TO SPECIFICATION SECTION 272016 "COMMUNICATION & DATA EQUIPMENT" AND 338120 "COMMUNICATION UTILITIES". THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE DATA EQUIPMENT FIBER CABLES AND CONNECTORS PER SPEC 272016 AND SHALL PULL ALL FIBER CABLE THRU THE CONDUIT. LEAVE 50' OF SLACK AT EACH END.

4.) THE OWNER/COUNTY I.T. WILL MAKE FINAL FIBER CONNECTIONS.

5.) THE GENERAL CONTRACTOR SHALL PREPARE AND BACKFILL THE TRENCH.

6.) PROVIDE (2) HANDHOLES RATED H-20 FOR VEHICULAR TRAFFIC AND (2) SETS OF (2-#4 & 1-#8 GND) IN (3) 4" C (2-SPARES) FOR ELECTRIC VEHICLE CHARGERS #1 AND #2. FINAL LOCATION OF EV CHARGERS TO BE COORDINATED IN FIELD.

7.) SEE DWG. E-301 FOR UNDERGROUND CONDUITS ROUTED BETWEEN NEW MAINTENANCE BUILDING AND EXISTING STORAGE BUILDINGS AND EQUIPMENT WASH/FUELING STATION.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL SITE NEW WORK PLAN

CONTRACT NUMBER	SHEET NUMBER
23-514	E-020

SHEET NO. 54 OF 69

SCALE: AS NOTED
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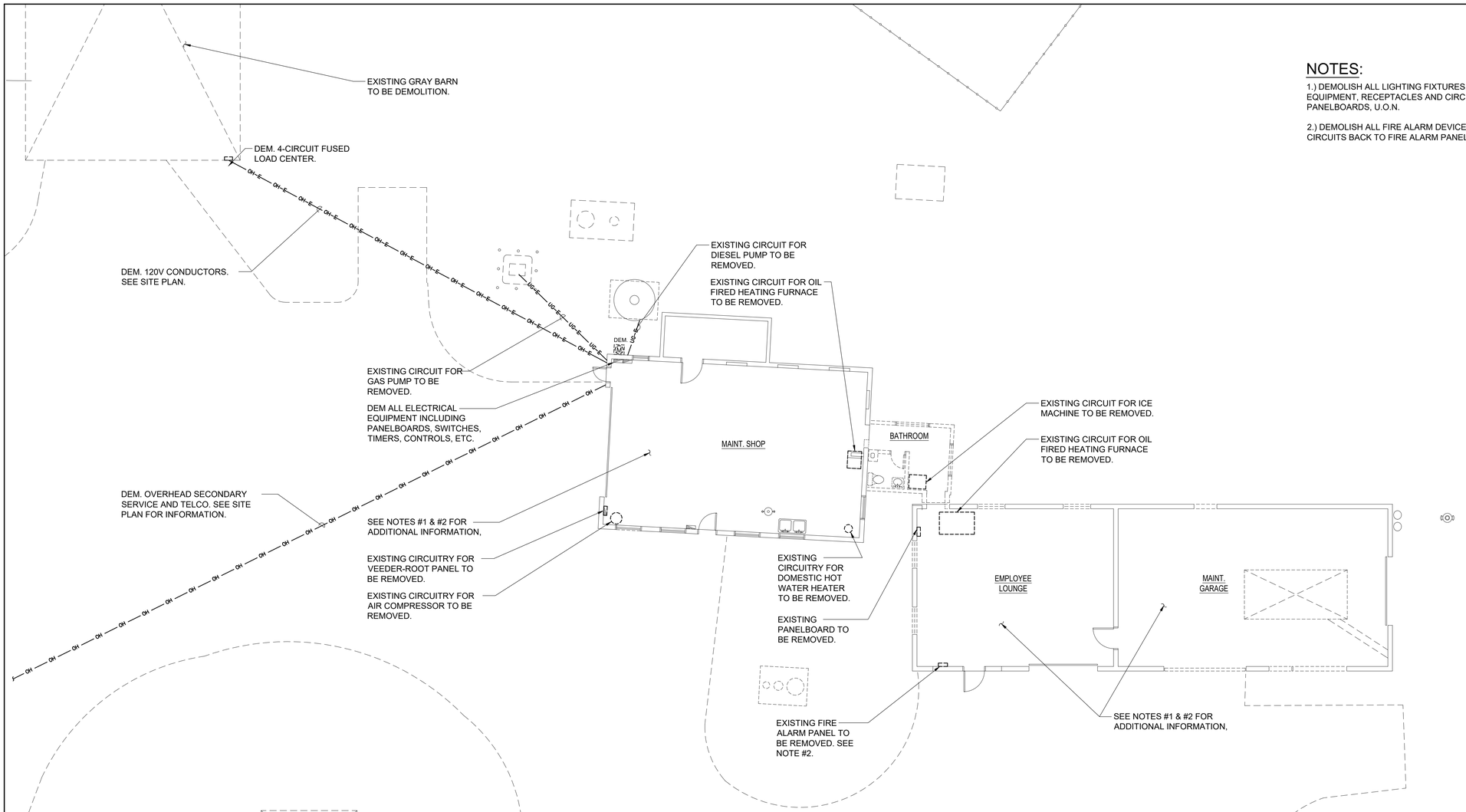
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NOTES:

1.) DEMOLISH ALL LIGHTING FIXTURES, LIGHT SWITCHES, SECURITY EQUIPMENT, RECEPTACLES AND CIRCUITRY AND CONDUIT BACK TO PANELBOARDS, U.O.N.

2.) DEMOLISH ALL FIRE ALARM DEVICES AND ASSOCIATED FIRE ALARM CIRCUITS BACK TO FIRE ALARM PANEL.



MAINTENANCE FACILITY
ELECTRICAL DEMOLITION PLAN

1

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

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER E-101

SHEET NO. 55 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE FACILITY ELECTRICAL DEMOLITION PLAN

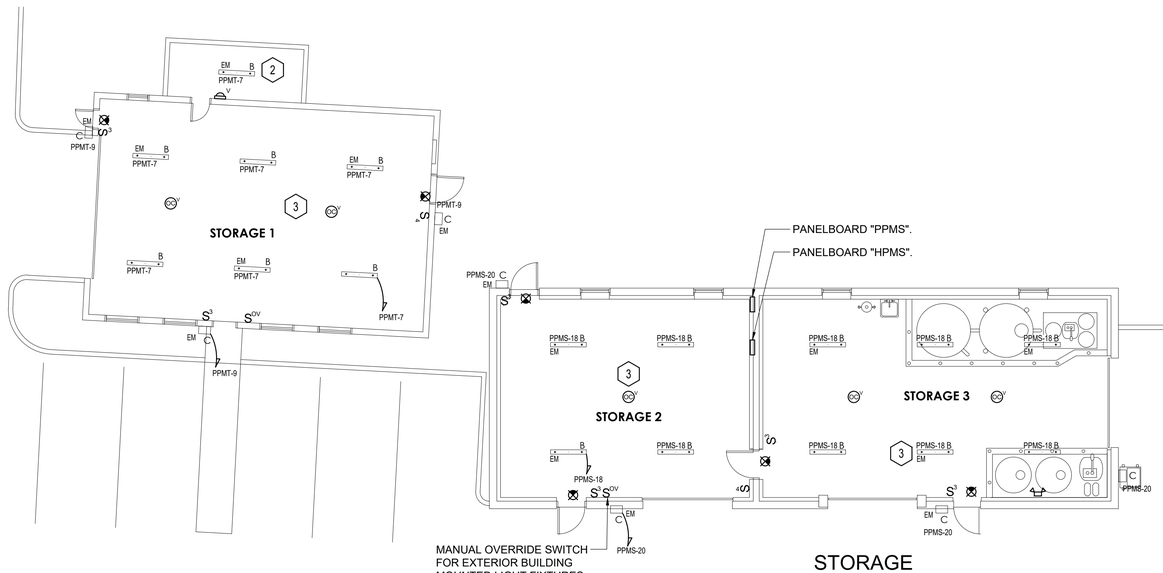
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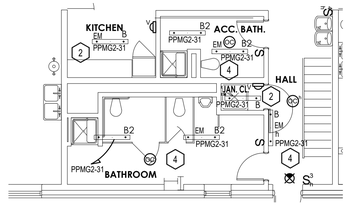
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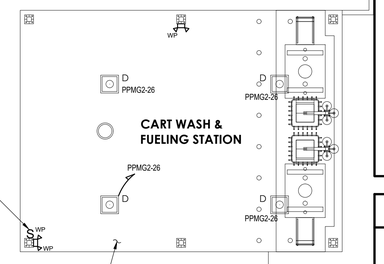


STORAGE BUILDINGS 2 &3



MAINTENANCE FACILITY ELECTRICAL LIGHTING PART PLAN

NORTH 2 SCALE: 1/8" = 1'-0"



DESIGN INTENT - LIGHTING CONTROL SYSTEM

1.) LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (FINN O'BRIEN (646) 352-2188) OR APPROVED EQUAL. (OTHER ACCEPTABLE MANUFACTURERS ARE LUTRON & COOPER LIGHTING.)

2.) LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. CONTRACTOR IS RESPONSIBLE FOR DELEGATED DESIGN OF SYSTEM BASED ON THE DESIGN INTENT INCLUDED ON THESE DRAWINGS.

3.) THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES.

4.) ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALL BE SUBMITTED AT THE SAME TIME FOR APPROVAL.

5.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.

6.) EXTERIOR MOUNTED LIGHT FIXTURES ARE TO BE CONTROLLED VIA PHOTOCELL AND TIMECLOCK WITH MANUAL OVERRIDE SWITCH.
- BUILDING MOUNTED LIGHTS (UON)
- CART WASH & FUELING STATION LIGHTS

LIGHTING CONTROL LEGEND

1 - LINE VOLTAGE MANUAL WALL SWITCH.

2 - LINE VOLTAGE WALL SWITCH WITH DUAL TECHNOLOGY VACANCY SENSOR.

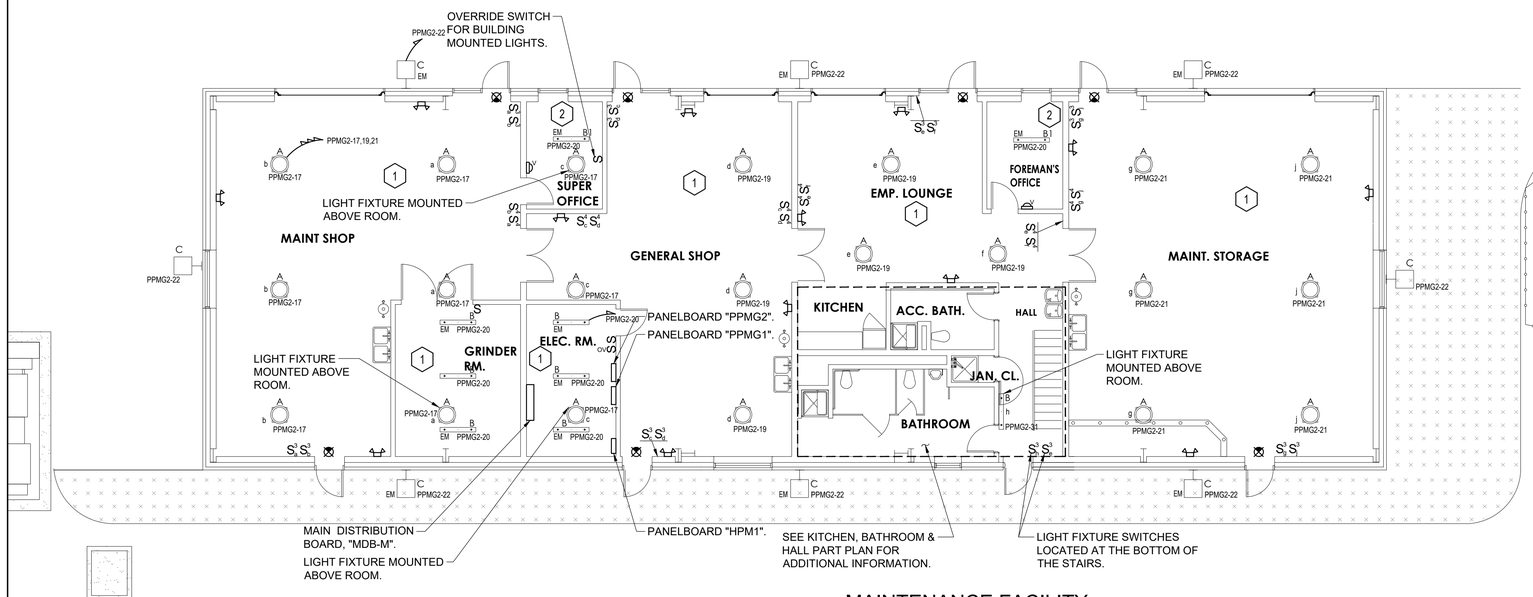
3 - LOW VOLTAGE WALL SWITCH WITH CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR.

4 - LOW VOLTAGE WALL SWITCH WITH CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.

NOTES:

1.) REFER TO NOTES ON DRAWING E-301 FOR FUEL TANK INSTALLATIONS.

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MAINTENANCE FACILITY ELECTRICAL LIGHTING PLAN

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

IN CHARGE OF RG
CHECKED BY DS
MADE BY MP

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OLA consulting engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK · ROBERT P. GRUFFI · 092522 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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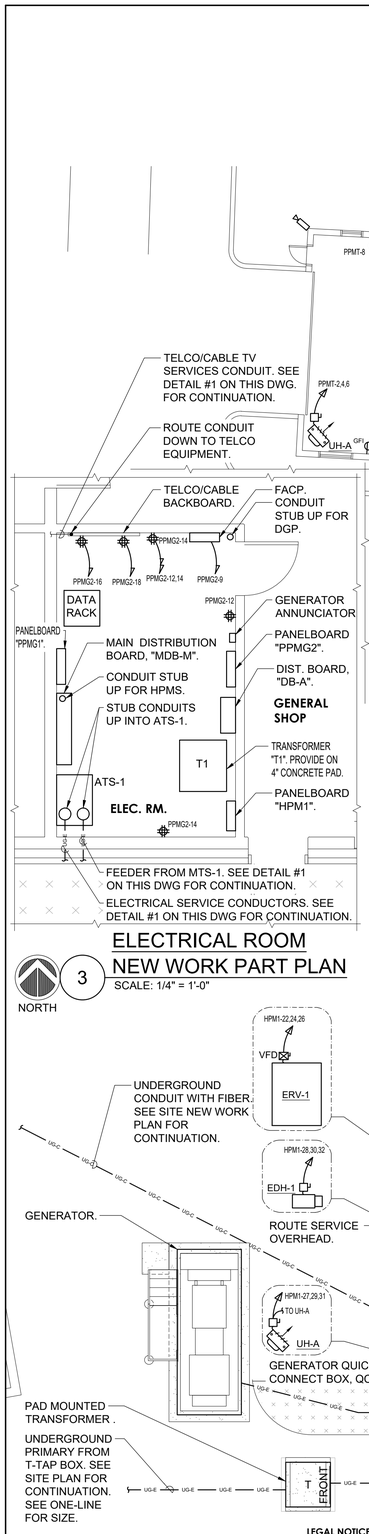
CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE FACILITY ELECTRICAL LIGHTING NEW WORK PLAN

CONTRACT NUMBER	SHEET NUMBER
23-514	E-201

SHEET NO. 56 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-E-148-0
REV. NO. 0



ELECTRICAL ROOM NEW WORK PART PLAN

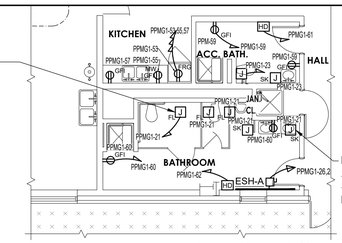
3 NORTH

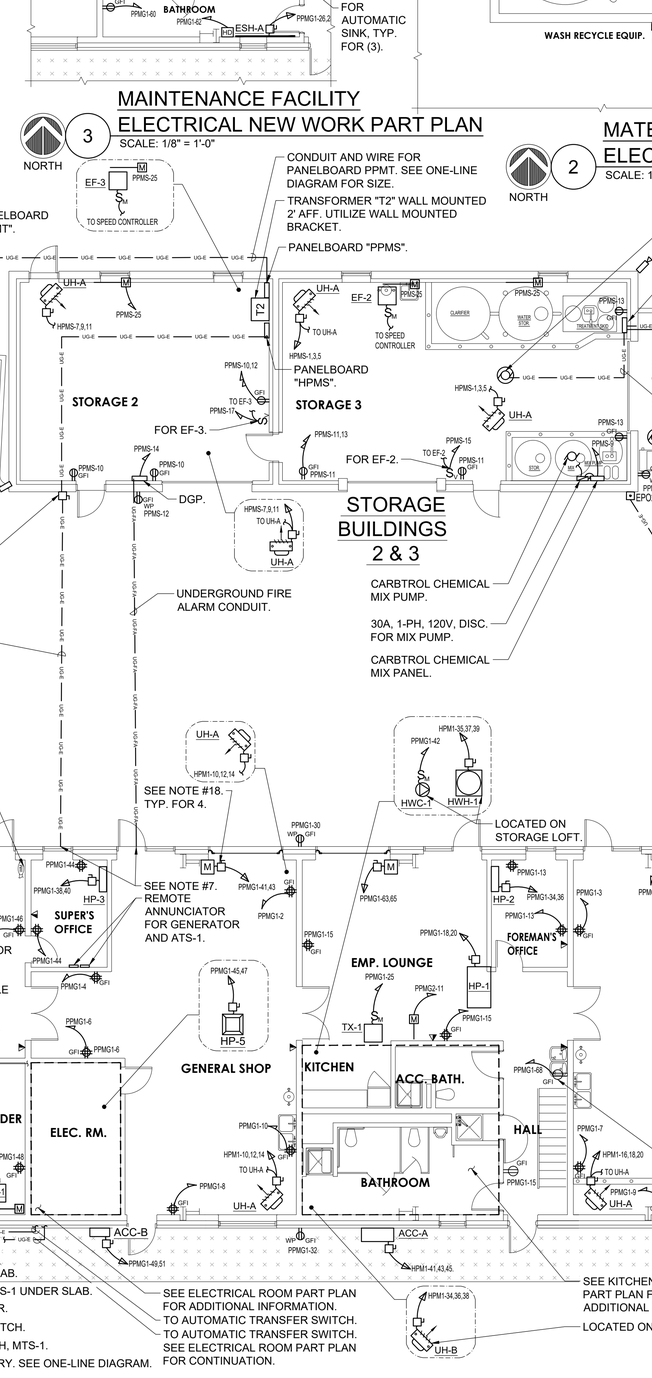
SCALE: 1/4" = 1'-0"

MAINTENANCE FACILITY ELECTRICAL NEW WORK PART PLAN

3 NORTH

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



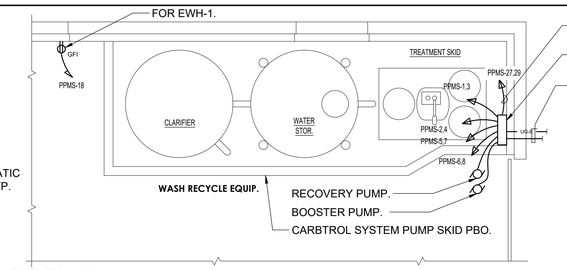


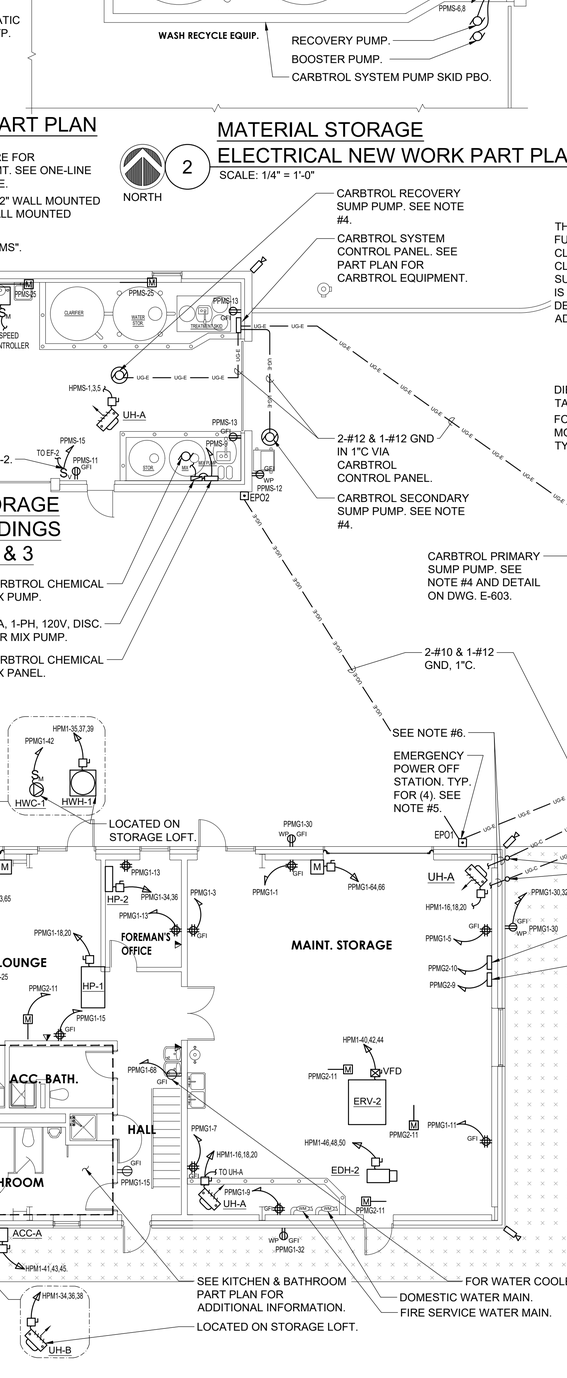
STORAGE BUILDINGS 2 & 3

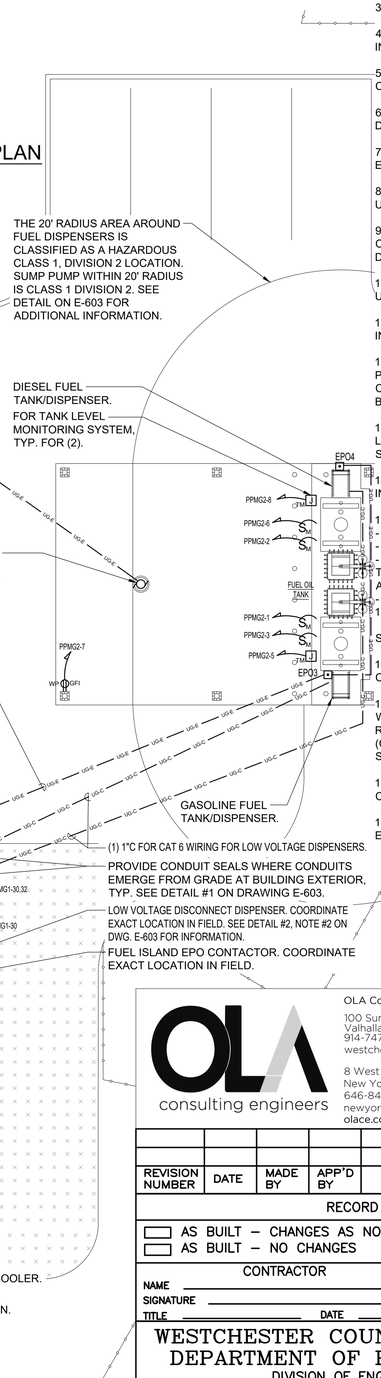
MATERIAL STORAGE ELECTRICAL NEW WORK PART PLAN

2 NORTH

SCALE: 1/4" = 1'-0"







NOTES:

1.) ALL POWER FEEDS SHALL BE ROUTED ALONG THE TOP OF THE CONCRETE BLOCK WALLS AT 12'-0" A.F.F.

2.) ROUTE CONDUIT UNDERSLAB AND POP UP EXPOSED TO RECEPTACLES, ETC. BRANCH CONDUIT TO RECEPTACLES SHALL BE VERTICAL CONDUIT SECURED TO THE SURFACE OF THE BLOCK WALL. ALL RECEPTACLES SHALL BE MOUNTED AT 3'-8" A.F.F. U.O.N.

3.) ALL SURFACE JUNCTION BOXES SHALL BE 1-1/2" DEEP.

4.) REFER TO CARBTROL DRAWINGS FOR ADDITIONAL INFORMATION ON SYSTEM AND WIRING DIAGRAM.

5.) SEE DRAWING E-603, DETAIL #2 FOR FUEL ISLAND EPO CONTACTOR DETAIL.

6.) ROUTE CAT6 IN CONDUIT OVERHEAD WITHIN BUILDING TO DATA RACK IN ELEC RM.

7.) ROUTE UNDERGROUND CONDUITS AND STUB UP 24" INSIDE ELEC RM. FOR EV CHARGERS, DGP AND PANELBOARD HPMS.

8.) FOR ALL WIRING WITHIN CLASSIFIED AREA: USE THWN RATED GASOLINE & OIL RESISTANT CONDUCTORS.

9.) OTHER THAN SEALS, NO OTHER CONDUIT "JOINTS" IN CLASSIFICATION AREA WITHIN 18" OF GRADE OF PUMP DISPENSERS.

10.) USE THREADED RGS FOR ALL CONDUITS FOR PUMP AREA UNDER OR ABOVE GRADE.

11.) SEAL ALL CONDUITS THAT RUN UNDER CLASSIFIED AREA, INCLUDING CONDUITS THAT JUST PASS THROUGH.

12.) FOR ELECTRICAL EQUIPMENT FOR FUEL TANKS/DISPENSERS. PROVIDE INDIVIDUAL 2-POLE NEMA-3R SWITCHES FOR EACH CIRCUIT SERVING TANKS/DISPENSERS. NEUTRALS SHALL ALSO BE SWITCHED. PROVIDE CONDUIT SEALS PER NEC ARTICLE 514.

13.) INDIVIDUAL 2-POLE NEMA-3R SWITCHES NEED ABILITY TO BE LOCKED IN THE OPEN POSITION AND SIGNAGE PROVIDED AT SWITCHES IDENTIFYING EMERGENCY PUMP SHUTOFF SWITCHES.

14.) COORDINATE RECEPTACLE TYPE FOR SPECIAL EQUIPMENT IN MAINTENANCE SHOP AND GRINDER ROOM BEFORE PURCHASE

15.) WIRE AND CONDUIT FOR FUEL TANK/DISPENSERS:
- DIESEL PUMP, 2-#12 & 1-#12 GND IN 1"C.
- GAS PUMP, 2-#12 & 1-#12 GND IN 1"C.
- HIGH LEVEL ALARM PANEL, TO PANEL 3-2 PAIR, 22 GUAGE, TWISTED SHIELDED, TYPE CM CABLE IN 1"C BETWEEN PANEL AND FUEL TANKS.
- DRY CHEMICAL FIRE SUPPRESSION SYSTEM, TO PANEL 2-#10 IN 1"C FROM PANEL TO FUEL TANKS.

SEE PANELBOARD PPMG2 SCHEDULE FOR CIRCUITS. TYPICAL.

16.) GROUNDING AND BONDING IN CLASS I LOCATIONS SHALL COMPLY WITH NEC ARTICLE 501.30.

17.) COORDINATE ALL NEMA RECEPTACLE CONFIGURATIONS WITH EQUIPMENT PURCHASED. FOR ALL 208 VOLT RECEPTACLES, COORDINATE ELECTRICAL REQUIREMENTS (CIRCUIT BREAKER, QUANTITY OF WIRES REQUIRED AND WIRE SIZE).

18.) 30A, 1Ø, 240V, DISC. SWITCH PROVIDED BY ELECTRICAL CONTRACTOR FOR OVERHEAD DOOR HOIST OPERATOR.

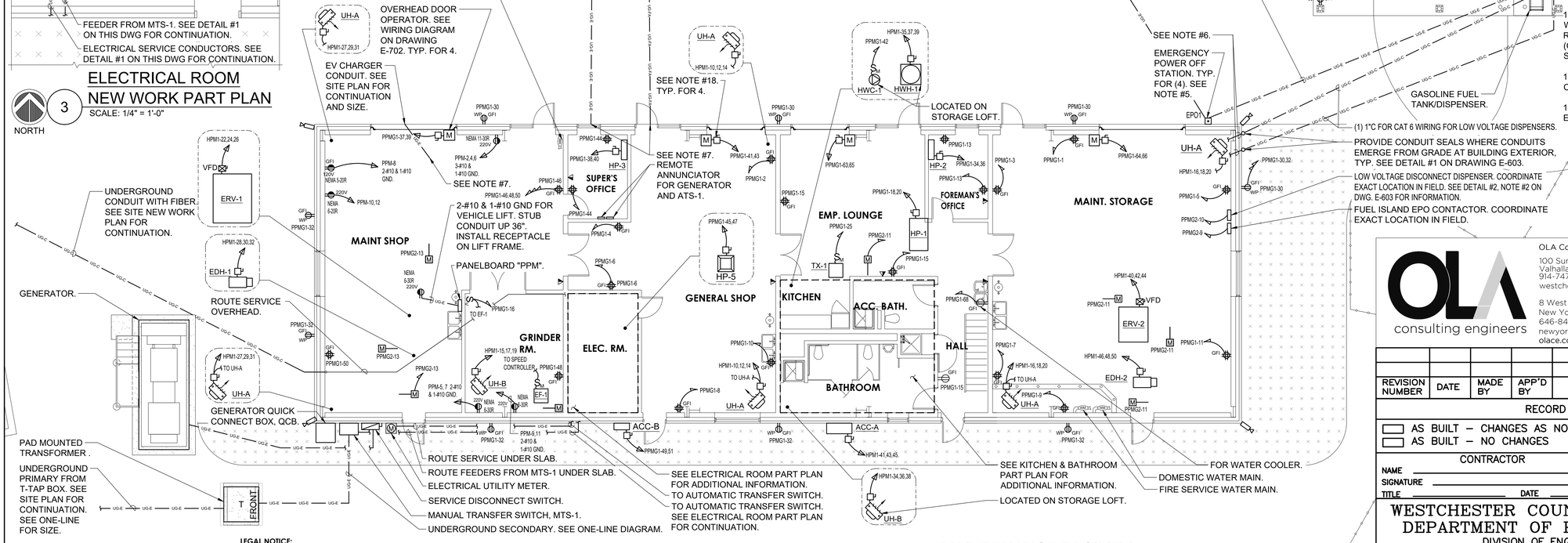
19.) SEE ONE-LINE DIAGRAM FOR INFORMATION AND SIZING OF ELECTRICAL EQUIPMENT

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MAINTENANCE FACILITY ELECTRICAL NEW WORK PART PLAN

1 NORTH

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



OLA consulting engineers

100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
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STATE OF NEW YORK · ROBERT P. GRUTTI · LICENSED PROFESSIONAL ENGINEER · 092522

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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TITLE DATE

PROJECT COORDINATOR
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE FACILITY ELECTRICAL POWER NEW WORK PLAN

CONTRACT NUMBER 23-514
SHEET NUMBER E-301
SHEET NO. 57 OF 69
SCALE: AS NOTED
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DPW FILE NO. 10-02-E-149-0
REV. NO. 0

IN CHARGE OF RG
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NOTES:

1.) ALL CIRCUIT BREAKERS ARE 3 POLE, U.O.N.

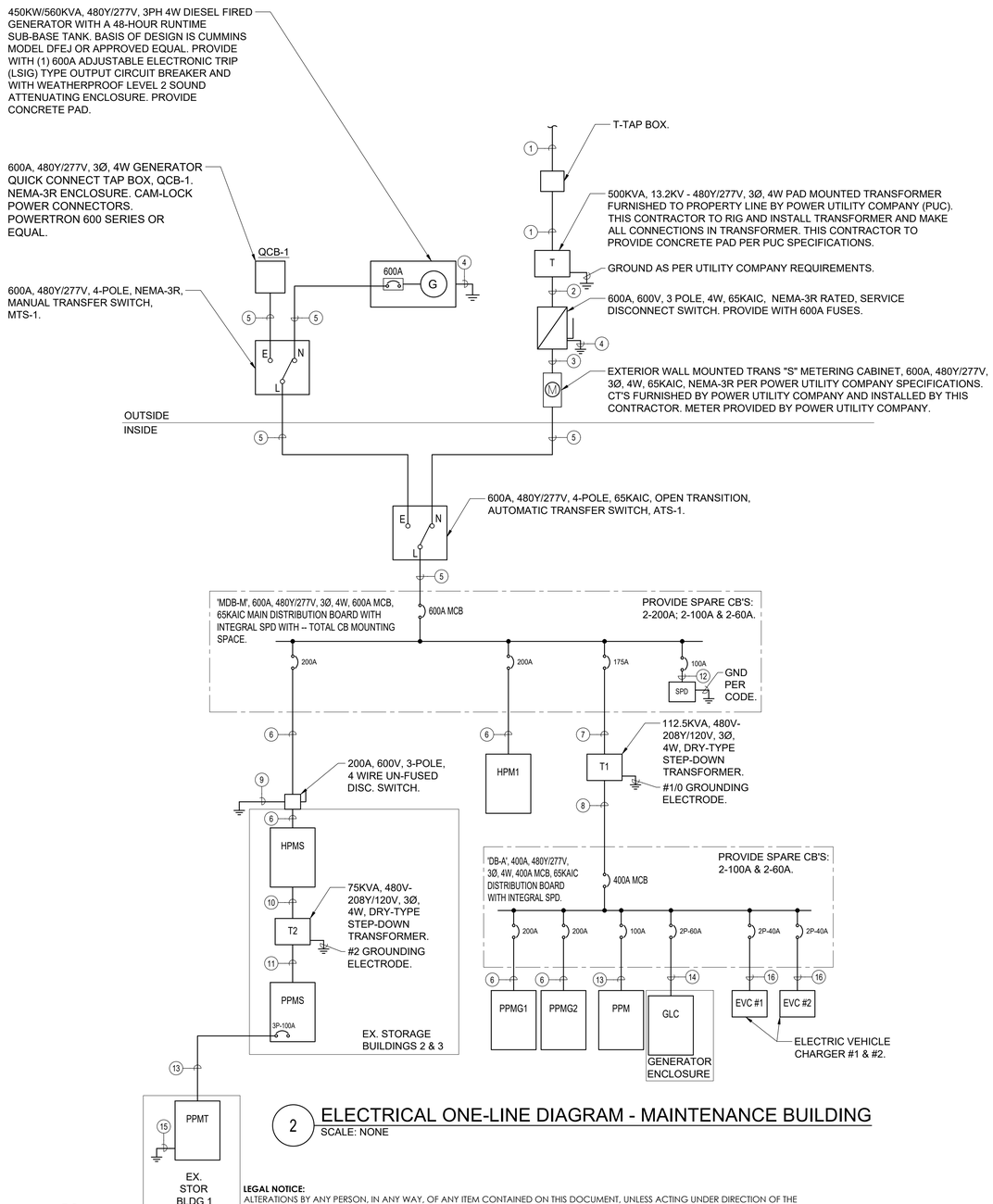
2.) ALL PRIMARY SERVICES ARE 13,200V, THREE PHASE.

3.) ALL SECONDARY SERVICES ARE 480Y/277V, THREE PHASE, 4 WIRE.

4.) PROVIDE DRAGLINES IN ALL SPARE CONDUITS.

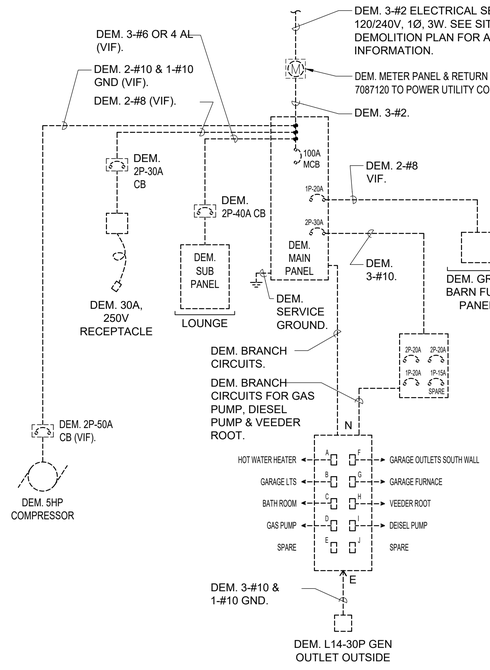
WIRING/CONDUIT LEGEND:

1. 3-#4/0 15KV IN (2) 4" HDPE UNDERGROUND CONDUITS (1-SPARE) 3Ø-PRIMARY SERVICE. SEE SITE PLAN FOR MORE INFORMATION.
2. (2) SETS OF 4-#350MCM IN (3) 4" HDPE UNDERGROUND CONDUITS (1-SPARE).
3. (2) SETS OF 4-#350MCM & 1-#1 GND IN (2) 4" HDPE UG CONDUITS (1-SPARE).
4. #2/0 GROUNDING ELECTRODE. SEE DETAIL.
5. (2) SETS OF 4-#350MCM & 1-#1 GND IN (2) 3" UG CONDUITS.
6. 4-#3/0 & 1-#6 GND IN 2"C.
7. 3-#2/0 & 1-#6 GND IN 2"C.
8. 4-#500MCM & 1-#2 GND IN 3-1/2" C.
9. #4 GROUNDING ELECTRODE. SEE DETAIL.
10. 3-#1 & 1-#6 GND IN 1-1/2"C.
11. 4-#4/0 & 1-#2 GND IN 2-1/2" C.
12. 5-#2 IN 1-1/4"C.
13. 4-#2 & 1-#8 GND IN 1-1/4"C.
14. 3-#4 & 1-#10 GND IN 1-1/2"C.
15. #8 GROUNDING ELECTRODE. SEE DETAIL.
15. #8 GROUNDING ELECTRODE. SEE DETAIL.
16. REFER TO SITE PLAN FOR SIZE.



2 ELECTRICAL ONE-LINE DIAGRAM - MAINTENANCE BUILDING

SCALE: NONE



1 ELECTRICAL DEMOLITION ONE-LINE DIAGRAM - MAINTENANCE BUILDING

SCALE: NONE

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER E-501
SHEET NO. 58 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL ONE-LINE DIAGRAMS

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LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING

I. FUNCTIONAL TESTING

PRIOR TO PASSING FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE EVIDENCE TO THE BUILDING OWNER AND THE ENGINEER THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S DOCUMENTS. FUNCTIONAL TESTING, FOR THE APPLICABLE CONTROL TYPE, SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1. OCCUPANT SENSOR CONTROLS

WHERE OCCUPANT SENSOR CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

A. CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
B. FOR PROJECTS WITH SEVEN OF FEWER OCCUPANT SENSORS, EACH SENSOR SHALL BE TESTED.
C. FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE BUILDING OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.

FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:
i. WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.
ii. THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
iii. FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.
iv. FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
v. THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

2. TIME-SWITCH CONTROLS

WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

A. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
B. PROVIDE DOCUMENTATION TO THE OWNER OF TIME-SWITCH CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
C. VERIFY THE CORRECT TIME AND DATE IN THE TIME SWITCH.
D. VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
E. VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
F. SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
i. ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
ii. THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
G. SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
i. NONEXEMPT LIGHTING TURNS OFF.
ii. MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.

3. DAYLIGHT RESPONSIVE CONTROLS

WHERE DAYLIGHT RESPONSIVE CONTROLS ARE PROVIDED, THE FOLLOWING SHALL BE VERIFIED:

A. CONTROL DEVICES HAVE BEEN PROPERLY LOCATED, FIELD CALIBRATED AND SET FOR ACCURATE SET POINTS AND THRESHOLD LIGHT LEVELS.
B. DAYLIGHT CONTROLLED LIGHTING LOADS ADJUST TO LIGHT LEVEL SET POINTS IN RESPONSE TO AVAILABLE DAYLIGHT.
C. THE CALIBRATION ADJUSTMENT EQUIPMENT IS LOCATED FOR READILY ACCESS ONLY BY AUTHORIZED PERSONNEL.

II. DOCUMENTATION REQUIREMENTS

THE DOCUMENTS DESCRIBED IN THIS SECTION SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 60 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

A. DRAWINGS:
i. AS-BUILT CONSTRUCTION DOCUMENTS, SHOWING THE LOCATION AND CATALOG NUMBER OF EACH PIECE OF EQUIPMENT.
B. MANUALS: AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:
i. NAME AND ADDRESS OF NOT LESS THAN ONE SERVICE AGENCY FOR INSTALLED EQUIPMENT.
ii. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SET POINTS.
iii. SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING CONTROLS.
iv. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
v. A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.
C. REPORT: A REPORT OF TEST RESULTS SHALL BE PROVIDED AND INCLUDE THE FOLLOWING.
i. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
ii. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.

INTERIOR LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	LUMENS	REMARKS
A	HOLOPHANE LIGHTING	VL-18000LM-PCL-WD -MVOLT-50K-80CRI	(1) 128W LED	MVOLT	PENDANT	15747	PENDANT MOUNTED HIGH-BAY LED FIXTURE WITH SECONDARY CHAIN HUNG.
B	H.E. WILLIAMS LIGHTING	75R-4-L50-840-DRV -UNV-EM/10WLP	(1) 33W LED	UNV	SURFACE	4867	4' SURFACE MOUNTED LED LINEAR STRIP. PROVIDE EM BATTERY PACK OPTION FOR 90 MINUTES OF BATTERY BACKUP AS REQUIRED.
B1	H.E. WILLIAMS LIGHTING	75R-4-L65-840-DRV -UNV-EM/10WLP	(1) 42.3W LED	UNV	SURFACE	5994	4' SURFACE MOUNTED LED LINEAR STRIP. PROVIDE EM BATTERY PACK OPTION FOR 90 MINUTES OF BATTERY BACKUP AS REQUIRED.
B2	H.E. WILLIAMS LIGHTING	75R-2-L25-840-DRV -UNV-EM/10WRM	(1) 18.2W LED	UNV	SURFACE	2470	2' SURFACE MOUNTED LED LINEAR STRIP. PROVIDE EM BATTERY PACK OPTION FOR 90 MINUTES OF BATTERY BACKUP AS REQUIRED.
	H.E. WILLIAMS LIGHTING	EXIT-R-EM-WHT-SDT-D	2.5W LED	UNV	SURFACE	-	EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN., RED LETTERING ON WHITE BACKGROUND. COORDINATE HOUSING/COLOR WITH ARCHITECT/CLIENT. PROVIDE CHEVRONS AS INDICATED ON DRAWINGS.
	H.E. WILLIAMS LIGHTING	EMER/LED-WHT-SDT-D	1.6W LED	120/277V	SURFACE	-	WALL MOUNTED EMERGENCY BATTERY LIGHT FIXTURE WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN. COORDINATE HOUSING/COLOR WITH ARCHITECT/CLIENT.

EXTERIOR LIGHTING FIXTURE SCHEDULE

C	CREE LIGHTING	OSQW-C-8L-50K9 -3M-UL-WM-BK-EB	(1) 55W LED	UL	WALL/SURFACE	8600	EXTERIOR LED WALL PACK FIXTURE, CAST HOUSING WITH PRISMATIC LENS, COLD BALLAST. PROVIDE EM BATTERY PACK OPTION FOR 90 MINUTES OF BATTERY BACKUP AS REQUIRED.
D	CREE LIGHTING	CPY250-C-8L-50K7 -F-UL-DM-BK-HZ	(1) 53W LED	UL	SURFACE	8475	SURFACE MOUNTED CANOPY LIGHT FIXTURE SUITABLE FOR WET LOCATIONS.
	RAB LIGHTING	FXLED150TN/PCT	(1) 150W LED	120V	SURFACE	23835	EXTERIOR LED FLOOD LIGHT, WET LOCATION RATED, COLD BALLAST. COORDINATE MOUNTED HEIGHT WITH ARCHITECT. COORDINATE FINISH WITH ARCHITECT.
WP	SURE-LITES	UX-6-R-SD	(1) 2.7W LED)	120V	SURFACE	-	EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN. RED LETTERING ON WHITE BACKGROUND, CORROSION RESISTANT FIBERGLASS HOUSING, WET LOCATION LABELED, 6 VOLT SEALED NICKEL CADMIUM BATTERIES, PROVIDE CHEVRONS AS INDICATED ON DRAWINGS.
WP	LIGHTONIA LIGHTING	IND618-W-ULT	(2) 9W KRYPTON	120V	SURFACE	-	WALL MOUNTED EMERGENCY BATTERY LIGHT FIXTURE WITH 90 MINUTES OF BATTERY BACKUP TIME, MIN., INJECTION-MOLDED THERMOPLASTIC HOUSING, 6 VOLT LEAD ACID BATTERY, RATED FOR OUTDOOR USE -40°F TO 131°F.

NOTES:

1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
2.) ALL BALLASTS AND DRIVERS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
3.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BACK-UP BATTERY WHERE POSSIBLE AND SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BATTERY. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE FIXTURE SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM.
4.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.
5.) IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.

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OLA consulting engineers
OLA Consulting Engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com
8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK · ROBERT P. GRUFFI · 092522 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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NAME
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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER E-601
SHEET NO. 59 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-E-151-0
REV. NO. 0

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL LIGHTING FIXTURE SCHEDULE

IN CHARGE OF RG
CHECKED BY DS
MADE BY MP

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HPMS PANEL SCHEDULE

MAIN RATING: 200A MAIN C.B.: MLO KAIC RATING: 35KAIC
VOLTAGE: 480Y/277V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1				1	20	LTS STORAGE 2/STORAGE 3	2
3	(2) UH-A - STORAGE 3	15	3	1	20	LTS EXTR	4
5				1	20	LTS STORAGE 1	6
7				1	20	LTS EXTR	8
9	(2) UH-A - STORAGE 2	15	3				10
11				3	125	TRANSFORMER T2	12
13							14
15	(2) UH-A - STORAGE 1	15	3	1	20	FLOOD LTS	16
17				1	20	FLOOD LTS	18
19	-	-	-	-	-	-	20
21	-	-	-	-	-	-	22
23	-	-	-	-	-	-	24
25	-	-	-	-	-	-	26
27	-	-	-	-	-	-	28
29	-	-	-	-	-	-	30
31	-	-	-	-	-	-	32
33	SPARE	20	1	-	-	-	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES:

PPMG2 PANEL SCHEDULE

MAIN RATING: 200A MAIN C.B.: 200A KAIC RATING: 22KAIC
VOLTAGE: 208Y/120V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	GASOLINE TANK/DISPENSER	20	1	1	20	DIESEL PUMP	2
3	GAS PUMP	20	1	1	20	HIGH LEVEL ALARM PANEL	4
5	GASOLINE TANK LEVEL MONITORING SYSTEM	20	1	1	20	DIESEL FUEL TANK/DISPENSER	6
7	RECP WP/GFI EXTR	20	1	1	20	DIESEL TANK LEVEL MONITORING SYSTEM	8
9	FUEL OIL EPO CONTACTOR	20	1	1	20	LOW VOLTAGE DISPENSER DISCONNECT.	10
11	MOTORIZED DAMPERS	20	1	1	20	RECP QUAD MECH/ELEC	12
13	MOTORIZED DAMPERS	15	1	1	20	RECP QUAD MECH/ELEC	14
15	FACP	20LK	1	1	20	RECP QUAD TELCO BACKBOARD	16
17	LTS	20	1	1	20	RECP QUAD TELCO BACKBOARD	18
19	LTS	20	1	1	20	LTS GRINDER/SUPER/ELEC	20
21	LTS	20	1	1	20	LTS EXTR	22
23	LTS EXTR	20	1	1	20	FLOOD LTS EXTR FUEL TANKS	24
25	FLOOD LTS	20	1	1	20	LTS EXTR FUEL TANKS	26
27	LTS EXTR MATERIAL BINS/FLOOD LGT	20	1	1	20	SPARE	28
29	FLOOR LTS UTILITY POLE	20	1	1	20	SPARE	30
31	LTS FOREMAN/KITCHEN/BATHROOM/HALL/JAN. CL.	20	1	1	20	SPARE	32
33	SPARE	20	1	1	20	SPARE	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES:

PPMG1 PANEL SCHEDULE

MAIN RATING: 200A MAIN C.B.: 200A KAIC RATING: 22KAIC
VOLTAGE: 208Y/120V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	RECP MAINT. GARAGE	20	1	1	20	RECP GENERAL SHOP	2
3	RECP MAINT. GARAGE	20	1	1	20	RECP GENERAL SHOP	4
5	RECP MAINT. GARAGE	20	1	1	20	RECP GENERAL SHOP	6
7	RECP MAINT. GARAGE	20	1	1	20	RECP GENERAL SHOP	8
9	RECP MAINT. GARAGE	20	1	1	20	RECP GENERAL SHOP	10
11	RECP MAINT. GARAGE	20	1	1	20	SPARE	12
13	RECP EMPLOYEE LOUNGE	20	1	1	20	SPARE	14
15	RECP EMPLOYEE LOUNGE	20	1	1	20	EF-1	16
17	SPARE	20	1	2	15	HP-1	18
19	SPARE	20	1				20
21	BATHROOM AUTO SINK/FLUSH	20	1	2	20	EF-2	22
23	ACC. BATHROOM AUTO SINK/FLUSH	20	1				24
25	TX-1	15	1	2	15	ESH-A	26
27	HP-1	15	2				28
29				1	20	RECP WP/GFI EXTR	30
31	SPARE	20	1	1	20	RECP WP/GFI EXTR	32
33	HVAC CTRL PNL	20	1	2	15	HP-2	34
35	HVAC CTRL PNL	20	1				36
37	OVERHEAD DOOR HOIST	20	2	2	15	HP-3	38
39							40
41	OVERHEAD DOOR HOIST	20	2	1	15	HWC-1	42
43				1	20	RECP SUPER'S OFFICE	44
45	HP-5	15	2	1	20	RECP QUAD MAINT SHOP	46
47				1	20	RECP QUAD MAINT SHOP	48
49	ACC-B	15	2	1	20	RECP QUAD MAINT SHOP	50
51				1	20	SPARE	52
53	RECP REFRIGERATOR	20	1	1	20	SPARE	54
55	RECP MICROWAVE	20	1	1	20	SPARE	56
57	RECP GFI COUNTER	20	1	1	20	SPARE	58
59	RECP GFI ACC. BATHROOM	20	1	1	20	RECP GFI BATHROOM	60
61	ACC. BATH. HAND DRYER	20	1	1	20	BATHROOM HAND DRYER	62
63	OVERHEAD DOOR HOIST	20	2	2	20	OVERHEAD DOOR HOIST	64
65							66
67	SPARE	20	1	1	20	RECP WATER COOLER	68
69	SPARE	20	1	1	20	SPARE	70
71	SPARE	20	1	1	20	SPARE	72
73	SPARE	20	1	1	20	SPARE	74
75	SPARE	20	1	1	20	SPARE	76
77	SPARE	20	1	1	20	SPARE	78
79	SPARE	20	1	1	20	SPARE	80
81	SPARE	20	1	1	20	SPARE	82
83	SPARE	20	1	1	20	SPARE	84

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES:

PPMS PANEL SCHEDULE

MAIN RATING: 225A MAIN C.B.: 225A KAIC RATING: 22KAIC
VOLTAGE: 208Y/120V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	CARBTROL PRIMARY SUMP PUMP SKID	20	2	2	20	CARBTROL RECOVERY PUMP SKID	2
3							4
5	CARBTROL SECONDARY PUMP SKID	20	2	2	20	CARBTROL BOOSTER PUMP SKID	6
7							8
9	CARBTROL CHEM MIX PANEL	30	1	1	20	RECP STORAGE	10
11	RECP STORAGE	20	1	1	20	RECP WP/GFI EXTR	12
13	RECP STORAGE	20	1	1	20LK	DGP	14
15	EF-2	20	1	1	20	RECP STORAGE 1	16
17	EF-3	20	1	1	20	EWH-1	18
19	HVAC CTRL PNL	20	1	1	15	SPARE	20
21	HVAC CTRL PNL	20	1	1	20	SPARE	22
23	SPARE	20	1	1	20	SPARE	24
25	MOTORIZED DAMPERS	20	1	-	-	RECP STORAGE	26
27	CARBTROL CONTROL PANEL	100	2				28
29				3	100	PANELBOARD PPMT	30
31	-	-	-				32
33	-	-	-	-	-	-	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES:

HPM1 PANEL SCHEDULE

MAIN RATING: 200A MAIN C.B.: MLO KAIC RATING: 35KAIC
VOLTAGE: 480Y/277V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1		20	1	1	20		2
3		20	1	1	20		4
5		20	1	1	20		6
7		20	1	1	20		8
9	SPARE	20	1				10
11	SPARE	20	1	3	15	(2) UH-A - GENERAL SHOP	12
13	SPARE	20	1				14
15							16
17	UH-B - GRINDER RM.	15	3	3	15	(2) UH-A - MAINT. STORAGE	18
19							20
21							22
23	(2) UH-A - MAINT. SHOP	15	3	3	15	ERV-1	24
25							26
27		20	1				28
29		20	1	3	15	EDH-1	30
31		20	1				32
33		20	1				34
35				3	15	UH-B - STORAGE LOFT	36
37	HWH-1	15	3				38
39							40
41				3	15	ERV-2	42
43	ACC-A	20	3				44
45							46
47	SPARE	20	1	3	15	EDH-2	48
49	SPARE	20	1				50
51	SPARE	20	1	1	20	SPARE	52
53	SPARE	20	1	1	20	SPARE	54
55	SPARE	20	1	1	20	SPARE	56
57	SPARE	20	1	1	20	SPARE	58
59	SPARE	20	1	1	20	SPARE	60
61	SPARE	20	1	1	20	SPARE	62
63	SPARE	20	1	1	20	SPARE	64
65	SPARE	20	1	1	20	SPARE	66

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

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8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
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olace.com

STATE OF NEW YORK
ROBERT P. GRUFFI
092522
LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER E-602
SHEET NO. 60 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL PANEL SCHEDULES

SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-E-152-0
REV. NO. 0

IN CHARGE OF RG
CHECKED BY DS
MADE BY MP

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15 KV CABLE TESTING:

1. REFERENCES: ANSI/IEEE C2 - NATIONAL ELECTRICAL SAFETY CODE, ANSI/NFPA 70 - NATIONAL ELECTRICAL CODE, IEEE 48 - TEST PROCEDURES AND REQUIREMENTS FOR HIGH-VOLTAGE ALTERNATING-CURRENT CABLE TERMINATIONS.

2. SUBMITTALS: PROVIDE FOR CABLE, TERMINATIONS, ACCESSORIES & TEST REPORTS. MANUFACTURER'S INSTRUCTIONS: INDICATE APPLICATION CONDITIONS AND LIMITATIONS OF USE STIPULATED BY PRODUCT TESTING AGENCY SPECIFIED UNDER REGULATORY REQUIREMENTS.

3. PROJECT RECORD DOCUMENTS: ACCURATELY RECORD ACTUAL SIZES AND LOCATIONS OF CABLES.

4. OPERATION AND MAINTENANCE DATA: INCLUDE INSTRUCTIONS FOR TESTING AND CLEANING CABLE AND ACCESSORIES.

5. QUALIFICATIONS: MANUFACTURER, COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE. INSTALLER, COMPANY SPECIALIZING IN INSTALLING PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.

6. MANUFACTURERS: 1) OKONITE COMPANY, 2) KING WIRE INC., 3) KERITE.

7. FIELD QUALITY CONTROL: INSPECT EXPOSED CABLE SECTIONS FOR PHYSICAL DAMAGE, PROPER CONNECTIONS AS SHOWN ON DRAWINGS AND AS REQUIRED, GROUNDING, CABLE SUPPORTS, AND TERMINATIONS FOR PROPER INSTALLATION. PERFORM DC HIGH POTENTIAL TEST OF EACH CONDUCTOR IN ACCORDANCE WITH NEMA WC 8 AND THE FOLLOWING REQUIRED TESTS.

8. THE 15KV CABLE SHALL BE DC PROOF TESTED BY AN INDEPENDENT TESTING FIRM. THE ATTACHED DC PROOF TESTING FORM SHALL BE COMPLETED BY THE TESTING FIRM AND SUBMITTED FOR REVIEW.

9. TEST LEVELS: A DIRECT-CURRENT VOLTAGE TEST SHALL BE MADE FOR SOLID DIELECTRIC CABLE IN ACCORDANCE WITH THE FOLLOWING TABLE:

RATED CIRCUIT VOLTAGE PHASE TO PHASE KV	DC TEST VOLTAGE KV
15	40

   A. THE VOLTAGE SHALL BE APPLIED BETWEEN THE CONDUCTOR AND THE METALLIC SHEATH, SHIELD OR CONCENTRIC NEUTRAL WIRES.

   B. THE MAXIMUM APPLIED DIRECT-CURRENT VOLTAGE SHALL NOT BE GREATER THAN THREE (3) TIMES THE ALTERNATING CURRENT VOLTAGE RATING OF THE CABLE OR CABLE ACCESSORY.

   C. THE RATE OF INCREASE FROM THE INITIALLY APPLIED VOLTAGE TO THE SPECIFIED TEST VOLTAGE SHALL BE APPROXIMATELY UNIFORM AND SHALL NOT BE OVER 100 PERCENT IN 10 SECONDS OR LESS THAN 100 PERCENT IN 60 SECONDS.

   D. THE DURATION OF THE TEST SHALL BE 15 MINUTES AT FULL VOLTAGE AND THE LEAKAGE CURRENT SHALL NOT BE RECORDED UNTIL AT FULL VOLTAGE. THE CABLE MUST MAINTAIN THE SPECIFIED TEST VOLTAGE FOR THE DURATION OF THE TEST TO BE CONSIDERED ACCEPTABLE.

10. PREPARATION FOR TESTING: THE INDEPENDENT TESTING COMPANY PERSONNEL SHALL COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS:

   A. SAFETY - (TO PRECLUDE ACCIDENTAL CONTACT WITH THE CABLE(S) BEING TESTED)

      a. THE TEST AREA AND THE CABLE (S) UNDER TEST SHALL BE ROPED OFF.

      b. "DANGER-HIGH VOLTAGE" SIGNS SHALL BE DISPLAYED AROUND ALL ROPED OFF AREAS.

      c. TEST PERSONNEL SHALL BE STATIONED AT ALL EXPOSED CABLE TERMINATIONS.

   B. CLEARANCES - THE CABLE UNDER TEST MUST BE COMPLETELY ISOLATED FROM ALL EQUIPMENT.

      a. TO REDUCE LEAKAGE CURRENT DURING TESTING, CLEAN THE TERMINATIONS AND COVER ANY EXPOSED METALLIC SURFACES WITH PLASTIC WRAP OR DUCT SEAL TO REDUCE CORONA EFFECTS.

      b. MAINTAIN A CLEARANCE OF AT LEAST TWO FEET BETWEEN TEST POINT OR EXPOSED CABLE ENDS UNDER TEST AND ANY UNENERGIZED SURFACE AND AT LEAST THREE FEET BETWEEN TEST POINT OR EXPOSED CABLE ENDS AND ANY ENERGIZED SURFACE (BUS IN SWITCHGEAR, OTHER CIRCUITS OR CABLES, ETC.)

11. GROUNDING:

   A. THE METALLIC SHIELDS (CONCENTRIC NEUTRALS, COPPER OR ZINC TAPES, DRAIN WIRES) OR METALLIC SHEATHS OF SHIELDED CABLE MUST BE GROUNDED DURING THE TEST.

   B. CABLES NOT UNDER TEST MUST BE GROUNDED ON BOTH CONDUCTORS AND METALLIC SHEATHS.

   C. AFTER EACH CABLE TEST THE CABLE SHALL BE ALLOWED TO DISCHARGE TO 10KV OR BELOW BEFORE APPLYING A GROUND. AN APPROPRIATE GROUNDING STICK OR RUBBER GLOVE SHALL BE USED AND/OR WORN WHEN APPLYING THE GROUND. GROUND MUST REMAIN ON FOR AT LEAST 15 MINUTES TO DRAIN CHARGE FROM TESTING.

12. CONNECTIONS

   A. ALL BOLTED TERMINATIONS SWITCHES SHALL BE UNBOLTED AND PULLED INTO CLEARANCES AS NOTED ABOVE.

   B. ALL LEADS EXTENDING FROM THE TOP OF ANY TERMINATION TO OVERHEAD LINES MUST BE REMOVED AND THE TERMINATION LOWERED TO OBTAIN ADEQUATE CLEARANCE.

13. SAMPLE: REPORTING FORM - DC PROOF TESTING

REPORTING FORM - DC PROOF TESTING

TESTING COMPANY NAME_____

CUSTOMER_____

LOCATION_____

DATE OF TEST____ TESTER'S NAME_____

HUMIDITY____% TEMPERATURE_____

WEATHER: CLOUDY__ RAIN__ SNOW__

FOG__ SUNNY__

PHASE IDENTIFICATION			
KV TEST VOLTAGE			
MICROAMPERES	μ	μ	μ
TEST SET LEAKAGE			
15 SECONDS			
30 SECONDS			
45 SECONDS			
1 MINUTE			
2 MINUTES			
3 MINUTES			
4 MINUTES			
5 MINUTES			
6 MINUTES			
7 MINUTES			
8 MINUTES			
9 MINUTES			
10 MINUTES			
11 MINUTES			
12 MINUTES			
13 MINUTES			
14 MINUTES			
15 MINUTES			

CABLE MANUFACTURER: _____

CABLE RELATED VOLTAGE: _____

OPERATING VOLTAGE: _____

CONDUCTOR SIZE: _____

TYPE OF INSULATION: _____

NUMBER OF CONDUCTORS: _____

LENGTH: _____

AGE: _____

TYPE OF JACKET: _____

SEPARATE NEUTRAL: _____

OR

CONCENTRIC NEUTRAL WIRES: _____

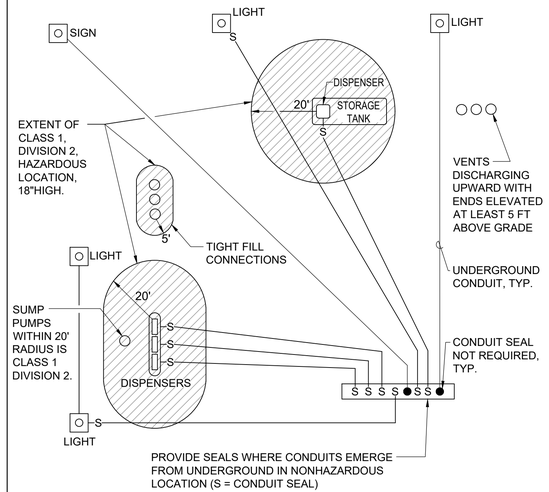
TYPE OF TERMINATIONS AT TEST END: _____

TYPE OF TERMINATIONS AT OPPOSITE END: _____

REMARKS: _____

14. PROTECTION:

   A. PROTECT INSTALLED CABLES FROM ENTRANCE OF MOISTURE.



1 FUEL DISPENSER CONDUIT SEAL REQUIREMENTS

SCALE: NONE

NOTE:

1.) CONDUIT SEALS SHALL BE LOCATED AS INDICATED IN NEC, ARTICLE 514. SEALS SHALL BE PROVIDED IN ALL CONDUITS ENTERING OR LEAVING A DISPENSER AND LEAVING A CLASS 1 LOCATION.

2.) CONDUIT SEALS SHALL BE THE FIRST FITTING AFTER THE CONDUIT EMERGES FROM EARTH OR CONCRETE. CONDUITS SHALL BE SEALED WITHIN 10'-0" OF POINT OF EMERGENCE FROM BELOW GRADE.

3.) ALL CONDUITS INCLUDED IN THIS DETAIL SHALL BE THREADED RGS.

4.) CLASS 1, DIVISION 2 LOCATIONS SHALL EXTEND 18 INCHES ABOVE GRADE, 18 INCHES HORIZONTALLY FROM DISPENSERS AND TANKS, AND WITHIN DISPENSERS FOR AREAS INDICATED.

PPM PANEL SCHEDULE

MAIN RATING: 100A MAIN C.B.: 100A KAIC RATING: 22KAIC

VOLTAGE: 208Y/120V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	GOLF/VEHICLE LIFT	30GF	2	3	30GF	AIR COMPRESSOR	2
3							4
5	SPIN GRINDER	30GF	2				6
7				1	20	RECP WELDER	8
9	SPIN GRINDER	30GF	2	2	20GF	TIRE MACHINE	10
11							12
13	-	-	-	-	-	-	14
15	-	-	-	-	-	-	16
17	-	-	-	-	-	-	18
19	-	-	-	-	-	-	20
21	-	-	-	-	-	-	22
23	-	-	-	-	-	-	24
25	-	-	-	-	-	-	26
27	-	-	-	-	-	-	28
29	-	-	-	-	-	-	30
31	-	-	-	-	-	-	32
33	-	-	-	-	-	-	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

GLC PANEL SCHEDULE

MAIN RATING: 100A MAIN C.B.: MLO KAIC RATING: 22KAIC

VOLTAGE: 120/208V PHASE: 1 WIRE: 3 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	-	-	-	1	20	GENERATOR GFI RECEP.	2
3	-	-	-	1	20	GENERATOR BATTERY CHARGER.	4
5	-	-	-	2	30	GENERATOR BLOCK HEATER.	6
7	-	-	-				8
9	-	-	-	-	-	-	10
11	-	-	-	-	-	-	12
13	-	-	-	-	-	-	14
15	-	-	-	-	-	-	16
17	SPARE	20	1	1	20	SPARE	18
19	SPARE	20	1	1	20	SPARE	20
21	SPARE	20	1	1	20	SPARE	22
23	SPARE	20	1	1	20	SPARE	24

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES: GENERATOR PANELBOARD PROVIDED WITH GENERATOR.

PPMT PANEL SCHEDULE

MAIN RATING: 100A MAIN C.B.: 100A KAIC RATING: 22KAIC

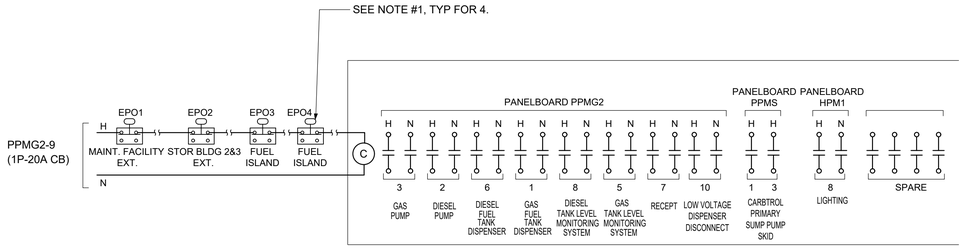
VOLTAGE: 208Y/120V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1							2
3	UH-A	20	3	3	20	UH-A	4
5							6
7	LTS STORAGE 1	20	1	1	20	RECP STORAGE 1	8
9	LTS EXTR - STORAGE 1	20	1	1	20	SPARE	10
11	SPARE	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17	SPARE	20	1	1	20	SPARE	18
19	SPARE	20	1	1	20	SPARE	20
21	SPARE	20	1	1	20	SPARE	22
23	SPARE	20	1	1	20	SPARE	24

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES: GENERATOR PANELBOARD PROVIDED WITH GENERATOR.

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(2) 12 POLE ELECTRICALLY HELD CONTACTOR WITH NO CONTACTS. SQUARE-D LG SERIES OR APPROVED EQUAL.

2 FUEL ISLAND EPO CONTACTOR DETAIL

SCALE: NONE

NOTES:

1. ALL EQUIPMENT AND WIRING ASSOCIATED WITH THIS DIAGRAM SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UON.
2. CONTACTOR SHALL BE INSTALLED IN A NEMA-3R ENCLOSURE EQUIPPED WITH A LOCKABLE HINGED COVER.
3. SEE ELECTRICAL PLANS FOR BRANCH CIRCUITRY INFORMATION.
4. ROUTE ASSOCIATED PHASE AND NEUTRAL CONDUCTORS FOR 120V CIRCUITS INDICATED THROUGH CONTACTOR. GROUND CONDUCTORS SHALL NOT BE ROUTED THROUGH CONTACTOR AND SHALL BE UNSWITCHED.

NOTES:

1.) EMERGENCY POWER OFF STATION SHALL DISCONNECT ALL POWER FROM FUELING TANK. CONTRACTOR SHALL PROVIDE SURFACE MOUNTED EMERGENCY POWER OFF STATION WITH PUSH BUTTON MUSHROOM OPERATOR. KEY TO RESET WITH NEMA-3R STAINLESS STEEL BOX AND CLEAR HINGED COVER. PILLA ELECTRICAL PRODUCTS MODEL #ST120SLFN1KR WITH CLEAR HINGED COVER MODEL #PILCLHC0V1 AND (2) NORMALLY OPEN CONTACT BLOCKS #PILNCCB OR APPROVED EQUAL. EMERGENCY POWER OFF STATIONS SHALL BE WIRED IN PARALLEL.

2.) CONTRACTOR SHALL PROVIDE SQUARE D LOW VOLTAGE DISPENSER DISCONNECT. MODEL # LVDD-V-4 OR APPROVED EQUAL WHICH DISCONNECTS LOW VOLTAGE ELECTRICAL CIRCUITS (AUDIO, DATA, VIDEO, ETC.) LEADING TO OR THROUGH FUEL DISPENSERS. SHALL BE UL 1238 COMPLIANT. EMERGENCY POWER OFF STATION SHALL OPERATE LOW VOLTAGE DISPENSER DISCONNECT. CONTRACTOR SHALL VERIFY EXACT WIRING WITH MANUFACTURER.

3.) SEE DETAIL #1 ON THIS DRAWING FOR REQUIRED CONDUIT SEALS.

4.) ALL CONDUIT INDICATED SHALL BE THREADED RGS.

OLA consulting engineers

OLA Consulting Engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK ROBERT P. GRUTTI LICENSED PROFESSIONAL ENGINEER 092522

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

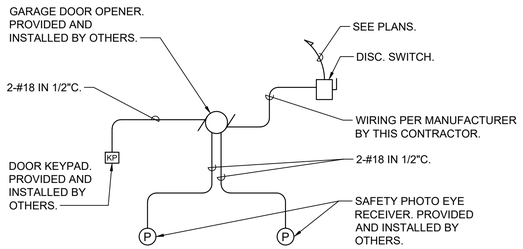
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL PANEL SCHEDULES

CONTRACT NUMBER 23-514 | SHEET NUMBER E-603
SHEET NO. 61 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-E-153-0 | REV. NO. 0

IN CHARGE OF RG
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MADE BY MP

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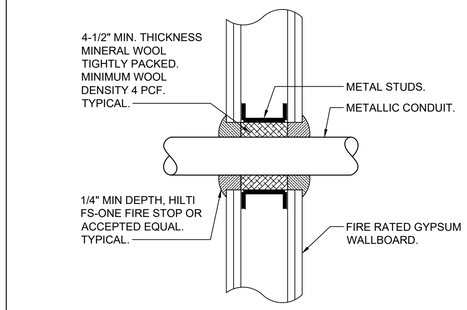


NOTE:

NOTES:
1. ELECTRICAL CONTRACTOR RESPONSIBLE TO PROVIDE ALL LINE AND LOW VOLTAGE CONTROL WIRING FOR GARAGE DOOR OPENERS (GDO'S). GDO'S AND DEVICES TO BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR.

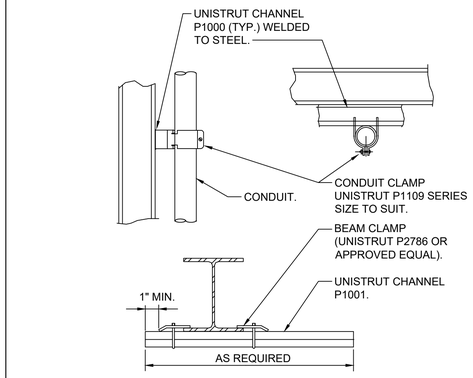
10 TYPICAL GARAGE DOOR OPENER WIRING DIAGRAM

SCALE: NONE



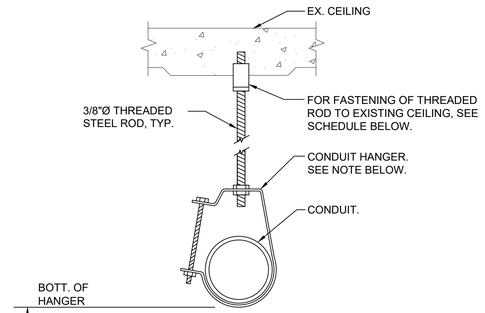
6 TYPICAL FIRE RATED GYPSUM WALL CONDUIT PENETRATION DETAIL

SCALE: NONE



3 CONDUIT SUPPORTED FROM STRUCTURAL STEEL DETAIL

SCALE: NONE

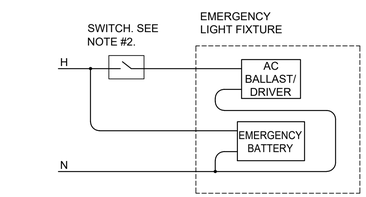


CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP-IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

NOTE: CLEVIS HANGERS REQUIRED ON PIPING LARGER THAN 1". GENERAL PURPOSE HANGERS MAY BE USED ON PIPING 1" OR SMALLER.

2 SINGLE CONDUIT HANGER DETAIL

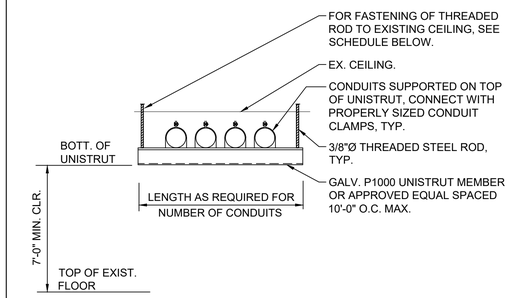
SCALE: NONE



NOTES:
1. THE CONNECTION TO THE LAMPS IS NOT SHOWN - FOLLOW MANUFACTURER WIRING DIAGRAMS.
2. "SWITCH" REPRESENTS A SINGLE POLE SWITCH, A SET OF CONTACTS, A COMBINATION OF 3 WAY AND 4 WAY SWITCHES, ETC. SEE DRAWINGS FOR ACTUAL SWITCH CONFIGURATION.

9 SWITCHED EMERGENCY FIXTURE WIRING DIAGRAM

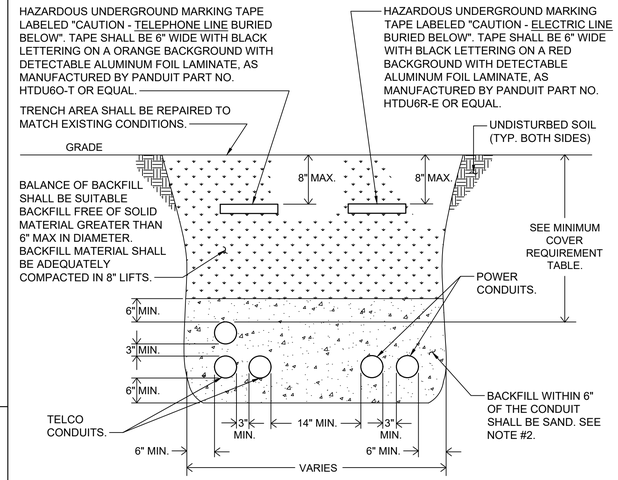
SCALE: NONE



CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP-IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

5 TRAPESE SUPPORT DETAIL

SCALE: NONE



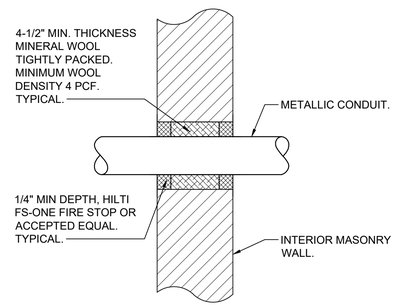
1 TRENCHING DETAIL FOR CONDUIT

SCALE: NONE

MINIMUM COVER REQUIREMENT TABLE

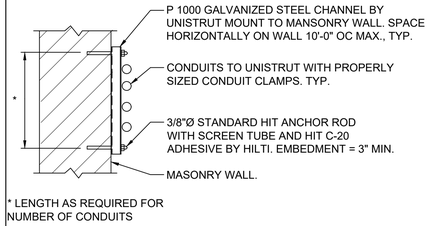
LOCATION	NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS
ALL LOCATION NOT SPECIFIED BELOW.	18"
IN TRENCH BELOW 2-IN. THICK CONCRETE OR EQUIVALENT.	12"
UNDER MINIMUM OF 4-IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION.	4" SEE NOTE #2.
UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS.	24"

NOTES:
1. DETAIL SHOWN FOR INFORMATION PURPOSES. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.
2. SAND MAY BE OMITTED FOR INSTALLATIONS WHERE COVER REQUIREMENTS ARE 6" OR LESS.



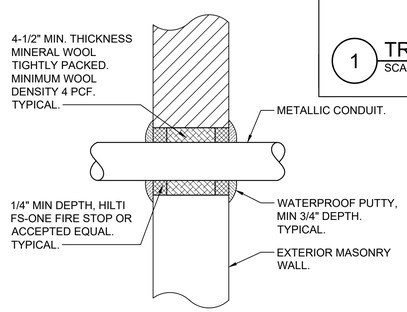
8 TYPICAL INTERIOR MASONRY WALL CONDUIT PENETRATION DETAIL

SCALE: NONE



7 TYPICAL CONDUIT SUPPORT ON MASONRY DETAIL

SCALE: NONE



4 TYPICAL EXTERIOR MASONRY WALL ABOVE GRADE CONDUIT PENETRATION DETAIL

SCALE: NONE

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OLA Consulting Engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com

8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

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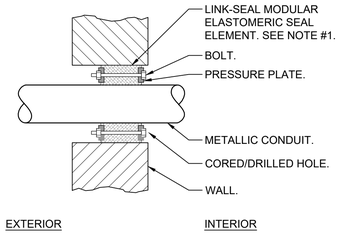
CONTRACT NUMBER 23-514
SHEET NUMBER E-701
SHEET NO. 62 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-E-154-0
REV. NO. 0

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL DETAILS

IN CHARGE OF RG
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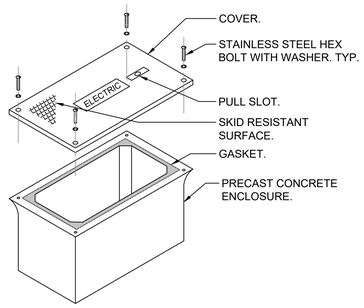
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NOTES:
1. SEAL ASSEMBLY BASED ON MODEL "C" LINK-SEAL MODULAR SEAL, WITH EPDM SEAL ELEMENT, REINFORCED NYLON POLYMER PRESSURE PLATES, STEEL WITH 2-PART ZINC DICHROMATE & CORROSION INHIBITING COATING NUTS AND BOLTS AND WITH A OPERATING TEMPERATURE RANGE OF -40°F TO +250°F.
2. PROVIDE AND INSTALL TWO SEALS WHEN PENETRATED WALL THICKNESS IS GREATER THAN 12".
3. PROVIDE SCHEDULE 80 WALL SLEEVE FOR NEW WALL CONSTRUCTION PER MANUFACTURER'S REQUIREMENTS.

8 TYPICAL EXTERIOR MASONRY WALL BELOW GRADE CONDUIT PENETRATION DETAIL
SCALE: NONE

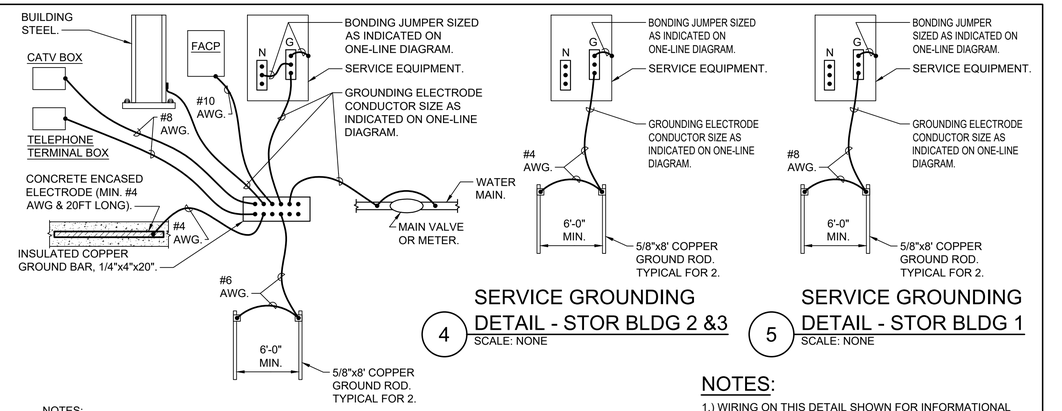


NOTES:
1.) HAND HOLE SHALL BE 35.5"L x22.5"W x 24"H WITH OPEN BOTTOM AND RATED FOR H-20 VEHICULAR TRAFFIC RATED AS MANUFACTURED BY HUBBELL-QUAZITE, MODEL #PG1730Z28809 OR EQUAL. BOX SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

2.) PROVIDE 6" OF GRAVEL BELOW BOX.

3.) COVER SHALL BE IMPRINTED WITH THE APPROPRIATE DESCRIPTION OF BOX CONTENTS (I.E. ELECTRIC, TELEPHONE, DATA, CABLE TV, ETC.).

6 HAND HOLE DETAIL
SCALE: NONE



NOTES:
1. CONNECTION TO WATER MAIN AND FIRE PROTECTION MAIN SHALL BE A MAXIMUM OF 5'-0" FROM WHERE THE PIPE ENTERS THE BUILDING AND BE PRIOR TO ANY METER, VALVE JOINT, ETC.
2. ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE USING COMPRESSION LUGS SIZED TO ACCOMODATE THE CONDUCTORS.

3 SERVICE GROUNDING DETAIL - NEW MAINTENANCE BLDG
SCALE: NONE

4 SERVICE GROUNDING DETAIL - STOR BLDG 2 &3
SCALE: NONE

5 SERVICE GROUNDING DETAIL - STOR BLDG 1
SCALE: NONE

NOTES:
1.) WIRING ON THIS DETAIL SHOWN FOR INFORMATIONAL PURPOSES ONLY. COORDINATE EXACT SIZE, QUANTITY AND TYPE OF WIRING WITH MANUFACTURER'S SUGGESTION FOR EQUIPMENT PURCHASED.

2.) CONDUITS SHALL BE 1" U.O.N.

3.) SEE ONE-LINE DIAGRAM FOR POWER OUTPUT FEEDERS INFORMATION.

4.) NEMA-3R JUNCTION BOX WITH TERMINAL BLOCK FOR TEMPORARY ROLL UP GENERATOR STARTING CIRCUIT CONNECTION.

5.) 1" CONDUIT STUB WITH THREADED CAP ON BOTTOM OF BOX FOR TEMP WIRING.

6.) GENERATOR TO BE PROVIDED WITH INTEGRAL 60A, 120/208V, 1Ø, 3W LOAD CENTER FOR POWER FOR BLOCK HEATER, BATTERY CHARGER, ETC.

LEGEND:
1A 4-#12 AWG. START CIRCUIT FROM AUTOMATIC TRANSFER SWITCH TO GENERATOR CONTROL PANEL.

1B 4-#12 AWG. START CIRCUIT FROM AUTOMATIC TRANSFER SWITCH TO JUNCTION BOX FOR TEMPORARY GENERATOR STARTING CIRCUIT CONNECTION.

2 TWISTED SHIELDED PAIR - BELDEN #9841. COMMUNICATIONS CIRCUIT FROM GENERATOR CONTROL PANEL TO REMOTE ANNUNCIATOR.

3 2-#10 AWG. POWER FROM GENERATOR SET BATTERY TO REMOTE ANNUNCIATOR FOR GENERATOR.

4 FEEDER FOR GENERATOR LOAD CENTER. SEE ONE-LINE ON E-501 FOR CIRCUIT INFORMATION.

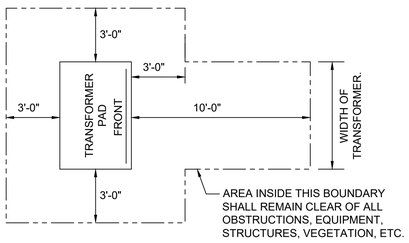
5 GLC-2.

6 GLC-4

7 GLC-6,8

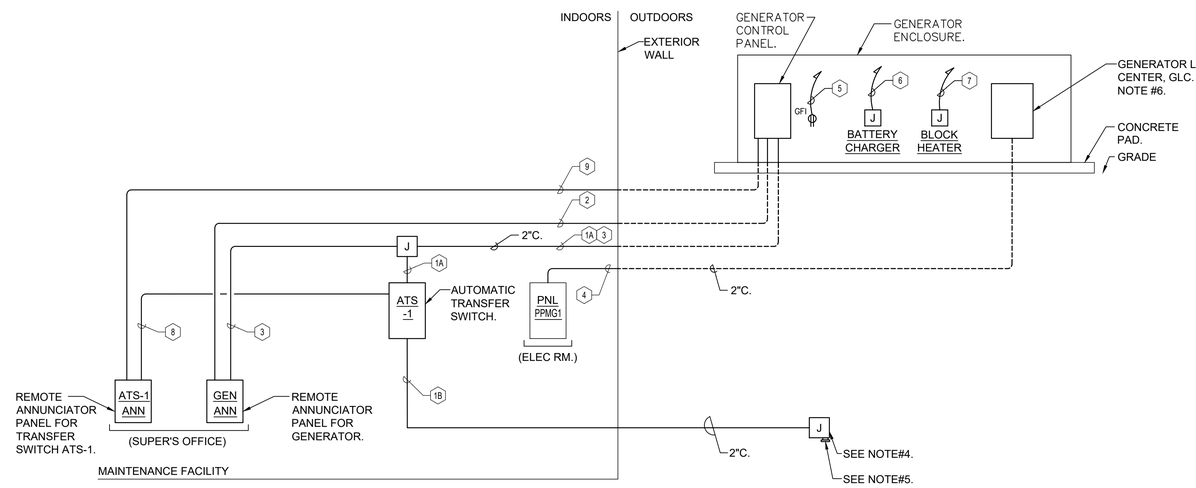
8 TWISTED SHIELDED PAIR - BELDEN #3106A. COMMUNICATIONS CIRCUIT FROM GENERATOR TRANSFER SWITCH ATS-1 TO REMOTE ANNUNCIATOR FOR TRANSFER SWITCH ATS-1.

9 2-#10 AWG. POWER FROM GENERATOR SET BATTERY TO REMOTE ANNUNCIATOR FOR TRANSFER SWITCH ATS-1.

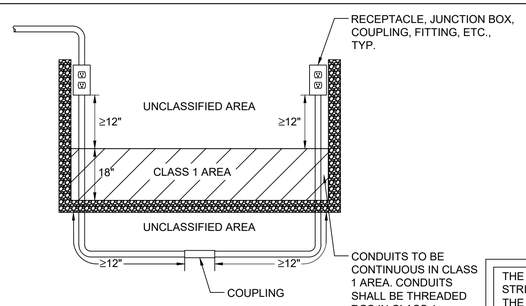


TRANSFORMER CLEARANCE NOTES:
1. AREA IN FRONT OF DOOR TO BE CLEAR OF ALL ROCKS, STUMPS AND OTHER OBSTRUCTIONS SO THAT THE OPERATOR HAS A SAFE, LEVEL WORKING AREA.
2. UTILITY COMPANY SHALL HAVE THE RIGHT TO CUT BACK GROWING BUSHES TO WITHIN STATED CLEARANCES.

7 CLEARANCE AROUND TRANSFORMER PAD
SCALE: NONE



2 GENERATOR CONTROL WIRING RISER DIAGRAM
SCALE: NONE



1 CONDUIT ROUTED THROUGH A HAZARDOUS CLASS 1 LOCATION
SCALE: NONE

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OLA consulting engineers
OLA Consulting Engineers
100 Summit Lake Drive, Suite 102
Valhalla, NY 10595
914-747-2800
westchester@olace.com
8 West 38th Street, Suite 900,
New York, NY 10018
646-849-4110
newyorkcity@olace.com
olace.com

STATE OF NEW YORK ROBERT P. GRUFFI 092522 LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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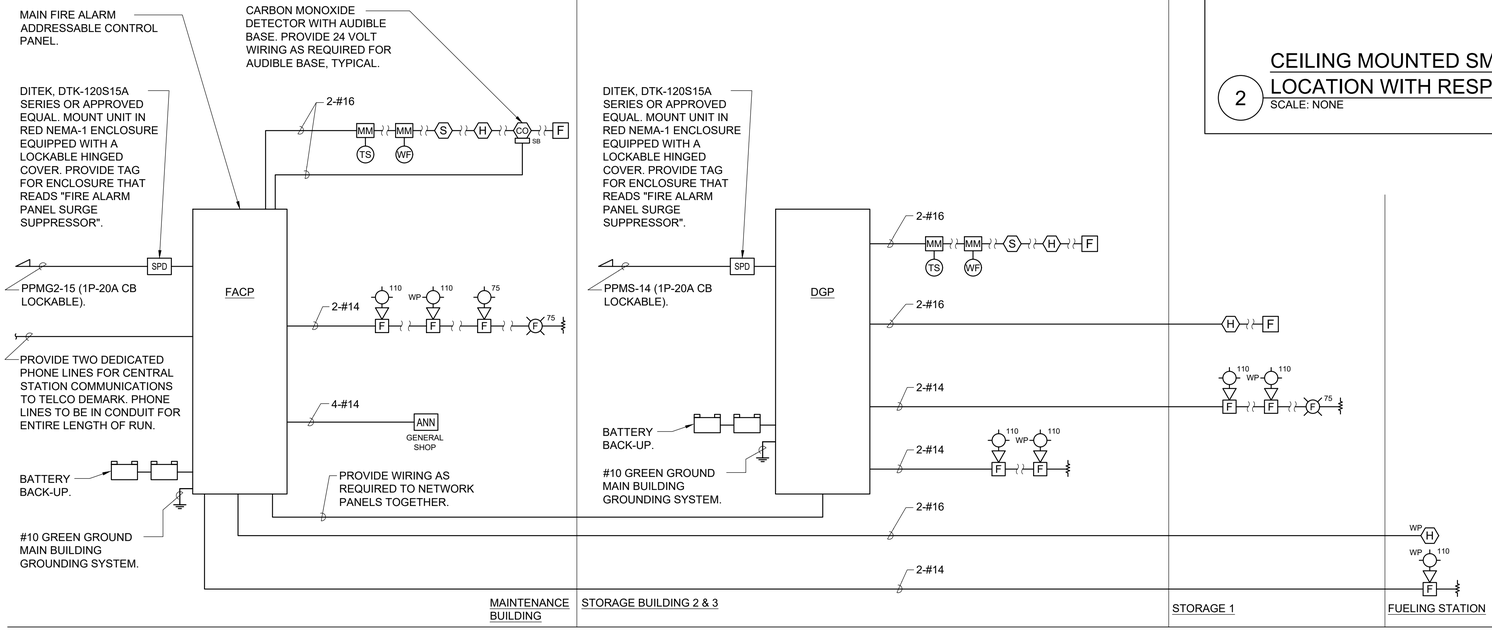
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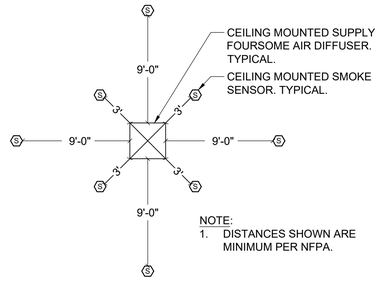
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514 | SHEET NUMBER E-702
SHEET NO. 63 OF 69
SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-E-155-0 | REV. NO. 0

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
ELECTRICAL DETAILS



1 FIRE ALARM RISER DIAGRAM
SCALE: NONE



2 CEILING MOUNTED SMOKE DETECTOR LOCATION WITH RESPECT TO AIR DIFFUSER
SCALE: NONE

FIRE ALARM SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
F	-	FIRE ALARM MANUAL PULL STATION
F	-	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (15/75 CD - STROBE)
F 110	-	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (110 CD - STROBE)
F	-	FIRE ALARM STROBE 15/75 CD
F 110	-	FIRE ALARM STROBE 110 CD
S	-	SMOKE DETECTOR
SB	SB	FIRE ALARM DEVICE. SB - SOUNDER BASE FOR SMOKE OR CARBON MONOXIDE DETECTOR
H	-	HEAT DETECTOR
CO	-	CARBON MONOXIDE DETECTOR
TS	-	FIRE ALARM TAMPER SWITCH
WF	-	FIRE ALARM WATER FLOW SWITCH
ANN	-	FIRE ALARM ANNUNCIATOR PANEL
FACP	FACP	FIRE ALARM CONTROL PANEL
DGP	DGP	DATA GATHERING PANEL
	EOL	END OF LINE RESISTOR

RISER NOTES:

1. THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
2. ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.
3. QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.
4. PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM.
5. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
6. PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL FIFTEEN (15) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE ADDITIONAL FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
7. CARBON MONOXIDE DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE DETECTORS SHALL BE MOUNTED ON SOUNDER BASES WHICH PROVIDE LOCAL ALARM ONLY IN A TEMPORAL 4 PATTERN OR CONSTANT TONE.
8. ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
9. CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT.
10. CONTROL MODULES USED TO INITIATE EMERGENCY CONTROL FUNCTIONS THAT DO NOT FAIL IN A SAFE POSITION SHALL BE LOCATED WITHIN 3 FEET OF THE COMPONENT CONTROLLING THE EMERGENCY CONTROL FUNCTION PER NFPA 72. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL MODULES CONNECTED TO FAN MOTOR CONTROLLERS, ELEVATOR CONTROLLERS, ETC.
11. BATTERY BACKUP FOR FACP SHALL PROVIDE A MINIMUM OF 24 HOURS OF STAND BY POWER FOLLOWED BY 45 MINUTES OF ALARM.
12. ALL FIRE ALARM PANELS, JUNCTION BOX COVERS, ETC SHALL BE PAINTED "FIRE DEPARTMENT RED".

THE ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2020 EDITION OF THE PREVAILING NEW YORK STATE BUILDING CODES AND 2017 NATIONAL ELECTRICAL CODE. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.

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STATE OF NEW YORK ROBERT P. GRUFFI 092522 LICENSED PROFESSIONAL ENGINEER

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TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

CONTRACT NUMBER 23-514
SHEET NUMBER FA-001
SHEET NO. 64 OF 69

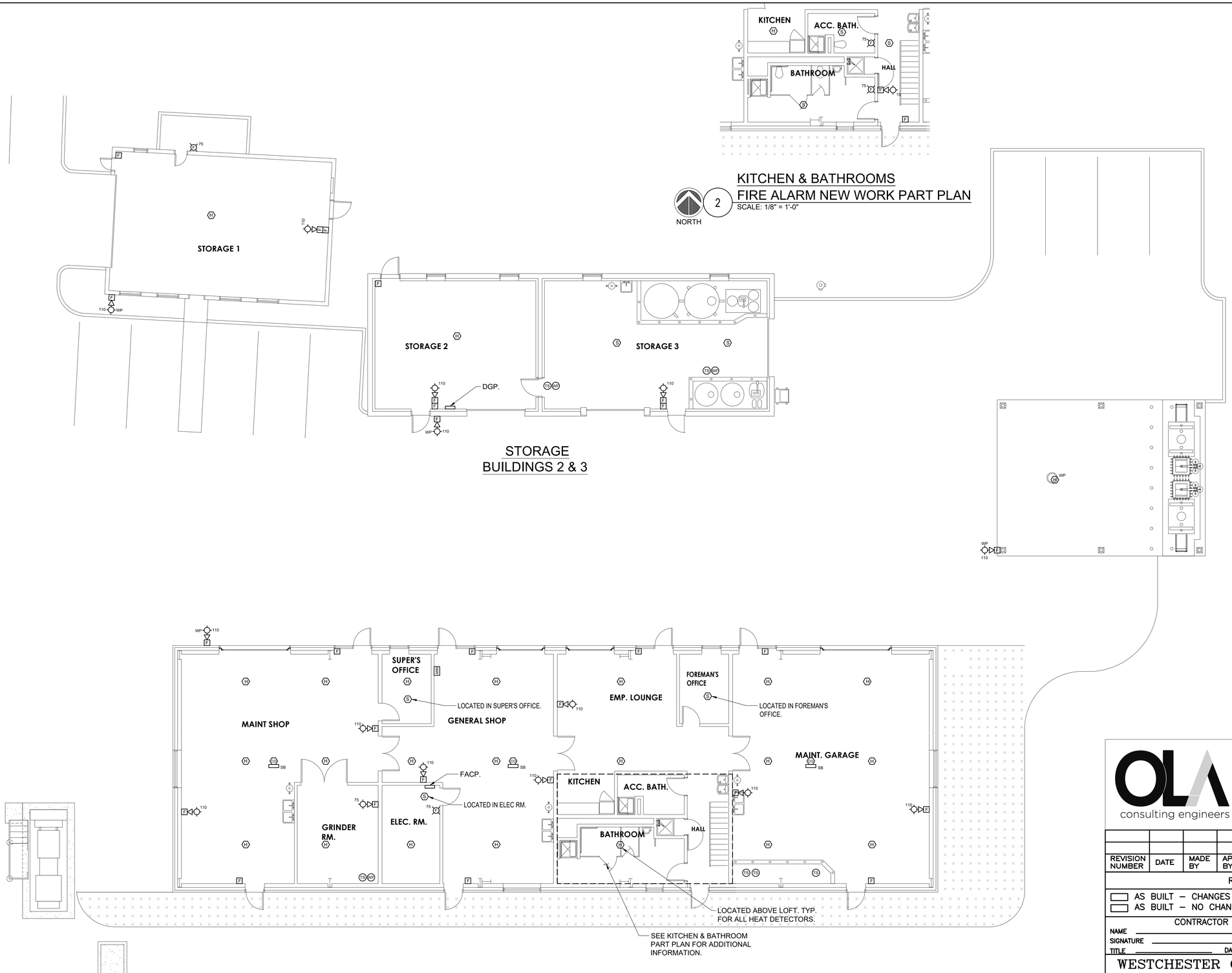
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
FIRE ALARM SYMBOLS, ABBREVIATIONS, RISERS, AND DETAILS

SCALE: AS NOTED
DATE: 5 / 1 / 2026
DPW FILE NO. 10-02-FA-156-0
REV. NO. 0

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NOTES:

1.) REFER TO DRAWING E-301 FOR UNDERGROUND CONDUITS BETWEEN FACP IN MAINTENANCE BUILDING AND DGP IN STORAGE BUILDING 2.

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NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
MAINTENANCE FACILITY FIRE ALARM NEW WORK PLAN

CONTRACT NUMBER: 23-514
SHEET NUMBER: FA-401
SHEET NO. 65 OF 69
SCALE: AS NOTED
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REV. NO.: 0

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CCTV UPDATE PLANS & DETAILS

FLOOR PLANS

SECURITY DRAWING LIST

SE-000 COVER SHEET / LEGEND & INDEX

TYPICALS

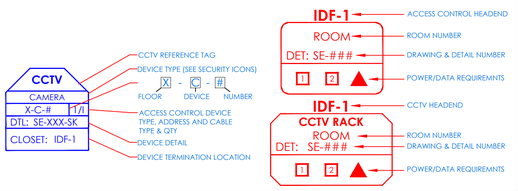
SE-101 SECURITY - CAMERA, CONDUIT & EQUIP. PLAN

CLOSET DETAILS

SE-300 CCTV RACK ELEVATIONS

SE-707 SECURITY EQUIPMENT DETAIL - (CCTV TYPICALS)

REFERENCE DEVICE ATTRIBUTE LEGEND



SECURITY DEVICES LEGEND

	FIXED MINI DOME OUTDOOR VANDAL CAMERA
	FIXED MINI DOME INDOOR CAMERA
	PTZ DOME OUTDOOR CAMERA
	PTZ DOME INDOOR CAMERA
	FIXED BOX OUTDOOR CAMERA
	FIXED BOX INDOOR CAMERA
	QUAD BOX OUTDOOR CAMERA
	QUAD BOX INDOOR CAMERA

POWER REQUIREMENTS

1	**POWER (EMERGENCY CIRCUIT)** CONTRACTOR TO PROVIDE A HARD WIRED CONNECTION TO A 120 VAC 20A EMERGENCY CIRCUIT DEDICATED TO SECURITY IN EACH RISER LOCATION WITHIN A 4'x4" BOX SURFACE MOUNTED 18" AFF WITH WIRE ENDS TERMINATED AND INSULATED WITH WIRE NUTS.
2	**POWER (NON-EMERGENCY CIRCUIT)** CONTRACTOR TO PROVIDE A HARD WIRED CONNECTION TO A 120 VAC 20A NON-EMERGENCY CIRCUIT DEDICATED TO SECURITY IN EACH RISER LOCATION WITHIN A 4'x4" BOX SURFACE MOUNTED 18" AFF WITH WIRE ENDS TERMINATED AND INSULATED WITH WIRE NUTS.

GENERAL NOTES

1. DRAWINGS AND DIVISION 28 DEFINITIONS: YOU ARE THE SECURITY CONTRACTOR ("SC") AKA "CONTRACTOR". THE BASE BUILDING ELECTRICAL CONTRACTOR IS KNOWN AS "EC", OTHER THAN OWNER PROVIDED ELECTRONIC CONTROLLERS AND EQUIPMENT, ALL OTHER SECURITY SYSTEM INSTALLATION WORK IS PART OF THIS BID AND YOUR WORK. ALL ITEMS MENTIONED IN THE DIVISION 28 SPECIFICATIONS ARE ALSO PART OF THIS PACKAGE AND INCLUDED IN YOUR SCOPE OF WORK AS WELL.
2. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
3. WORK TO COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO, NEC, OSHA, AND OTHERS.
4. THE SC SHALL BE RESPONSIBLE FOR SCHEDULING WITH BUILDING MANAGEMENT THE USE OF ELEVATOR OR OTHER HOISTING FACILITIES FOR HANDLING THE DELIVERY OF MATERIALS.
5. FIRE STOPPING OF ALL PENETRATIONS SHALL BE PROVIDED BY THE INSTALLING SC AS REQUIRED BY CODE.
6. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND FINAL SYSTEM CONDUITS AND CONDUCTOR LAYOUTS SHALL BE PROVIDED BY THE SC IN ACCORDANCE WITH THE MANUFACTURER'S APPROVED EQUIPMENT, CONDUIT, AND WIRING SHOP DRAWINGS, AND FIELD CONDITIONS.
7. THE SC MUST COORDINATE WITH THE DEVICE INSTALLATION DETAILS AND ENSURE THAT DEVICE BACKBOXES ARE APPROPRIATE PER THE FINAL APPROVED SHOP DRAWING, ON A LOCATION-BY-LOCATION BASIS, AND MEET ARCHITECTURAL REQUIREMENTS SURFACE MOUNTING IS ONLY APPROVED IF THERE IS NO OTHER PATHWAY OPTION. NO SURFACE MOUNTING IS APPROVED ON ANY DRYWALL.
8. PROVIDE APPROPRIATE METALLIC RACEWAY FOR THE SECURITY SYSTEM AS NEEDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND SO AS NOT TO EXCEED 40% CONDUIT FILL. WHEN USING SURFACE MOUNTED WIREMOLD, BACK BOX DEPTH SHOULD NOT EXCEED THE ABSOLUTE MINIMUM DEPTH REQUIRED FOR THE DEVICE. FOR EXAMPLE, CARD READERS BACK BOX CANNOT EXCEED ½" IN DEPTH.
9. UNLESS OTHERWISE NOTED, THE SC SHALL PROVIDE ALL 120/220VAC AS REQUIRED FOR THE SECURITY SYSTEM. FINAL 120 VAC TERMINATIONS IN THE SECURITY EQUIPMENT SHALL BE PERFORMED BY THE SEC AS WELL.
10. THE SC SHALL PROVIDE AND INSTALL ALL INTERCONNECTING CONDUITS AND RACEWAYS INSIDE THE SECURITY EQUIPMENT AND TERMINATE ALL WIRES AS SHOWN IN THIS DRAWING SET.
11. UNLESS OTHERWISE NOTED, THE SC SHALL PROVIDE AND INSTALL ALL CABLE PASS-THROUGH HOLES IN MILLWORK.
12. THE SC SHALL PROVIDE AND INSTALL ALL OVERHEAD CABLE SUPPORTED BY PANDUIT J-HOOKS, CABLE TRAYS, OR EQUIVALENT. CABLE SHALL NOT BE SUPPORTED BY CEILING GRID, DUCTWORK, SPRINKLER PIPES, ELECTRICAL CONDUIT OR GAS PIPES.
13. THE SC TO PROVIDE GROUNDING OF ALL ELECTRONICS EQUIPMENT. AT MDF/IDF, ON THE PLYWOOD BACKBOARD, USE GROUND BAR. COORDINATE WITH GENERAL CONTRACTOR FOR NEAREST GROUNDING LOCATION.
14. THE SC SHALL PREP AND WIRE ALL DOORS FOR ELECTRIFIED DOOR HARDWARE. THIS INCLUDES MAGNETIC LOCKS, ELECTRIC LOCKS, DOOR FRAMES FOR ELECTRIC STRIKES, HOLES FOR DOOR CONTACTS AND MAGNETIC LOCK ASSEMBLIES.
15. THESE DRAWINGS INDICATE THE GENERAL INTENT OF WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL THE WORK REQUIRED BY THE SC FOR THE FULL PERFORMANCE AND COMPLETION OF THE CONTRACT.
16. ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND PROVIDED WITH PULL WIRES AND BRUSHINGS. WHERE CONDUITS OR WIREWAYS PASS THROUGH FIRE RATED ASSEMBLIES. THE PENETRATIONS SHALL BE FIRE- STOPPED.
17. PRIOR TO SYSTEM TURN-ON, THE SC CONTRACTOR SHALL REVIEW THE INSTALLATION OF ALL INSTALLED DEVICES WITH OWNER'S REP TO VERIFY CORRECT INSTALLATION & PROPER FUNCTIONING.
18. AT THE TIME OF ACCESS CONTROL SYSTEM TURN ON, THE SC SHALL PROVIDE THE SAME PERSONNEL WHO PERFORMED & SUPERVISED THE WORK TO TROUBLESHOOT, TEST THE INSTALLATION AND REMEDY ALL RELATED PUNCH LIST ITEMS FOR FINAL COMMISSIONING.
19. THE SC SHALL ADJUST CAMERA VIEWS TO OWNER'S SATSFACTION TILL FINAL ACCEPTANCE.
20. CLIENTS FIRE ALARM CONTRACTOR SHALL PROVIDE A SET OF NORMALLY CLOSED (N/C) CONTACTS TO RELEASE ON GENERAL ALARM AND BE CONNECTED BY SC.
21. THE SC IS RESPONSIBLE FOR PROVIDING A COMPLETE AND ACCURATE SET OF AS-BUILT DRAWINGS.
22. ALL WIRES TO BE MACHINE LABELED VIA SELF LAMINATING LSL-77 TAGS OR SIMILAR. PROVIDE FOR OWNER'S REP REVIEW PRIOR TO USE
23. SECURITY SCREWS TO BE USED ON ALL DEVICES TO MAINTAIN SYSTEM'S INTEGRITY

CABLE TYPE/IDENTIFICATION SCHEDULE

ID	MANUFACTURER	PART #	DESCRIPTION	CABLE TYPE
A	REMEE	4722A-AMZ	(SI) - COMPONENT 1: CARD READER-IN 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED (SO) - COMPONENT 2: CARD READER-OUT 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED (DC) - COMPONENT 3: DOOR CONTACT 2 COND - 22AWG STRANDED (EL) - COMPONENT 4: LOCK POWER 2 COND - 18AWG STRANDED (HN) - COMPONENT 5: HORN/STROBE 2 COND - 20AWG STRANDED	PLENUM
B	REMEE	4722B-AMZ	(SI) - COMPONENT 1: CARD READER-IN 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED (RX-MO) - COMPONENT 2: REQUEST TO EXIT 4 COND - 2 COND - 22AWG (CONTACT) STRANDED 2 COND - 20AWG (POWER) STRANDED (DC) - COMPONENT 3:DOOR CONTACT 2 COND - 22AWG STRANDED (EL) - COMPONENT 4: LOCK POWER 2 COND - 18AWG STRANDED (HN) - COMPONENT 5: HORN/STROBE 2 COND - 20AWG STRANDED	PLENUM
EXD	REMEE	5465-AMZ	(RX-MO) - COMPONENT 2: REQUEST TO EXIT 4 COND - 2 COND - 22AWG (CONTACT) STRANDED 2 COND - 20AWG (POWER) STRANDED (DC) - COMPONENT 3:DOOR CONTACT 2 COND - 22AWG STRANDED (HN) - COMPONENT 5: HORN 2 COND - 20AWG STRANDED	PLENUM
SI	REMEE	5333-SI	CARD READER-IN 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED	PLENUM
DC	REMEE	5333-DC	2 COND - 22AWG STRANDED-BARE COPPER	PLENUM
EL	REMEE	5333-EL	2 COND - 18AWG STRANDED-BARE COPPER	PLENUM
HN	REMEE	5333-SI	2 COND - 20AWG STRANDED-BARE COPPER	PLENUM
RX-MO	REMEE	5333-RX-MO	4 COND - 2 COND - 22AWG (CONTACT) STRANDED 2 COND - 20AWG (POWER) STRANDED	PLENUM
BR	REMEE	8547	4 PAIR - 20AWG STRANDED-BARE COPPER, INDIVIDUALLY SHIELDED	BURIAL
I	REMEE	TYPE I	23 AWG / 4 PAIR CAT5E – UNSHIELDED PLENUM / IP CCTV CAMERA, NETWORK	PLENUM

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SHEET NUMBER SE-100
SHEET NO. 66 OF 69

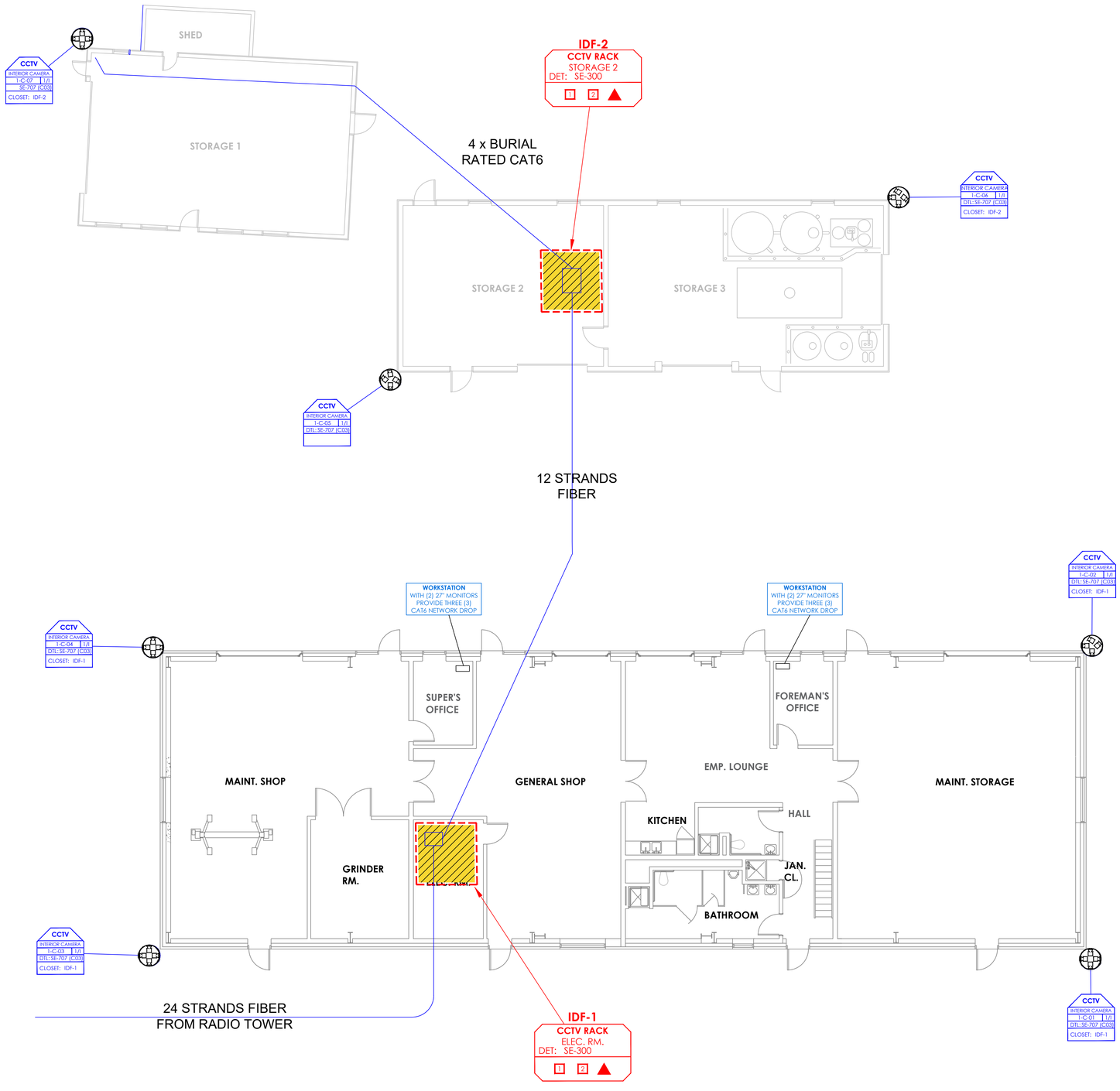
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SECURITY - GENERAL NOTES, LEGEND & SCHEDULES

SCALE: 1/8" = 1'-0"
DATE: 5/1/26
DPW FILE NO. 10-02-SE-158
REV. NO. 0

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EQUIPMENT NOTES:

1. GENETEC CLIENT STATION SHALL BE INSTALLED AT FOREMAN'S AND SUPERVISOR'S OFFICE. PROVIDE CAT6 TO EACH STATION.
2. GENETEC CLIENT STATION SHALL BE INSTALLED AT REMOTE SUPERINTENDENT'S OFFICE.
3. ELECTRICAL CONTRACTOR (EC) TO FURNISH & INSTALL 'CAT 6' CABLE TO ALL COUNTY PROVIDED HARDWARE.
4. ELECTRICAL CONTRACTOR (EC) TO ACCEPT, MOUNT AND TERMINATE ALL OWNER PROVIDED EQUIPMENT.
5. ELECTRICAL CONTRACTOR (EC) TO FURNISH AND INSTALL UNDERGROUND SINGLE MODE FIBER AND TERMINATE USING LC TYPE CONNECTORS AS SHOWN.

CONTRACTOR NOTES:

1. DEVICE PLACEMENT, CABLE TYPES & ROUTES, DEVICE TERMINATION & OTHERS ARE FOR REFERENCE ONLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING & VERIFYING THE ENTIRE DRAWING SET & RELATED 'DIVISION 28' SPECIFICATIONS. VERIFY ACTUAL FIELD CONDITIONS & DELIVER A 'TURN KEY' SOLUTION TO OWNER.
3. CONTRACTOR SHALL VERIFY CAMERAS 'FIELD OF VIEW' & ADJUST AS NEEDED TO THE SATISFACTION OF THE OWNERS SECURITY MANAGER.
4. PRIOR TO PULLING 'CAT-6' WIRES: CONTRACTOR SHALL VERIFY THAT CABLE LENGTH DOES NOT EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.
5. ALL 'CAT-6' CABLES SHALL BE TESTED & CERTIFIED A PER BID DOCUMENT.
6. CONTRACTOR SHALL MARK ANY DEVIATION FROM THE PROVIDED RISER & NOTE THE DEVIATION ON THE 'AS-BUILT' DWG'S.
7. CONTRACTOR SHALL PRODUCE & DELIVER A BOUND 'AS-BUILT' SET AS PRINTS & PDF FORMAT.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SYSTEM COMMISSIONING. ITG'S ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

THIS CAD SET & ALL INVENTIONS, IDEAS, DESIGNS, DETAILS & METHODS SHOWN HERE ARE THE PROPERTY OF ITG LARSON, & MAY NOT BE USED, ALTERED, REPRODUCED OR DISTRIBUTED WITHOUT 'ITG'S' WRITTEN CONSENT & PERMISSION.

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1 SECURITY: CAMERA, CONDUIT & EQUIPMENT PLAN

1/8" = 1'-0"

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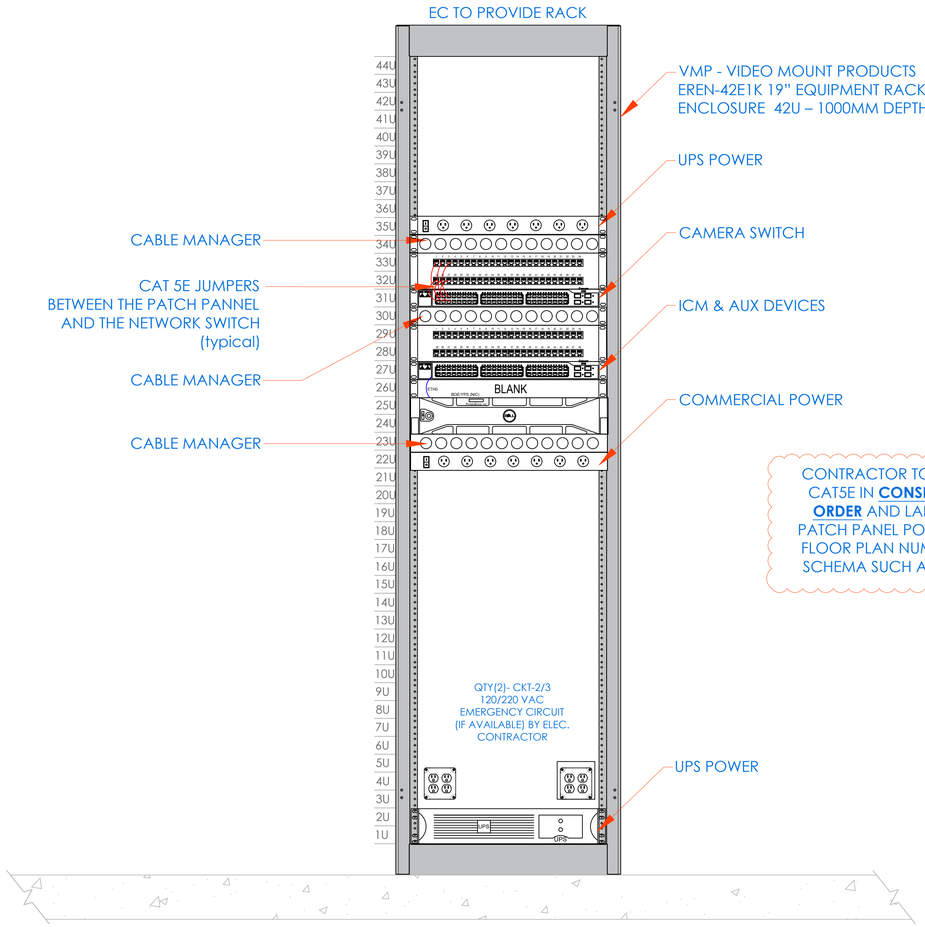
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CONTRACT NUMBER 23-514
SHEET NUMBER SE-101
SHEET NO. 67 OF 69

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SECURITY - CAMERA, CONDUIT & EQUIP. PLAN

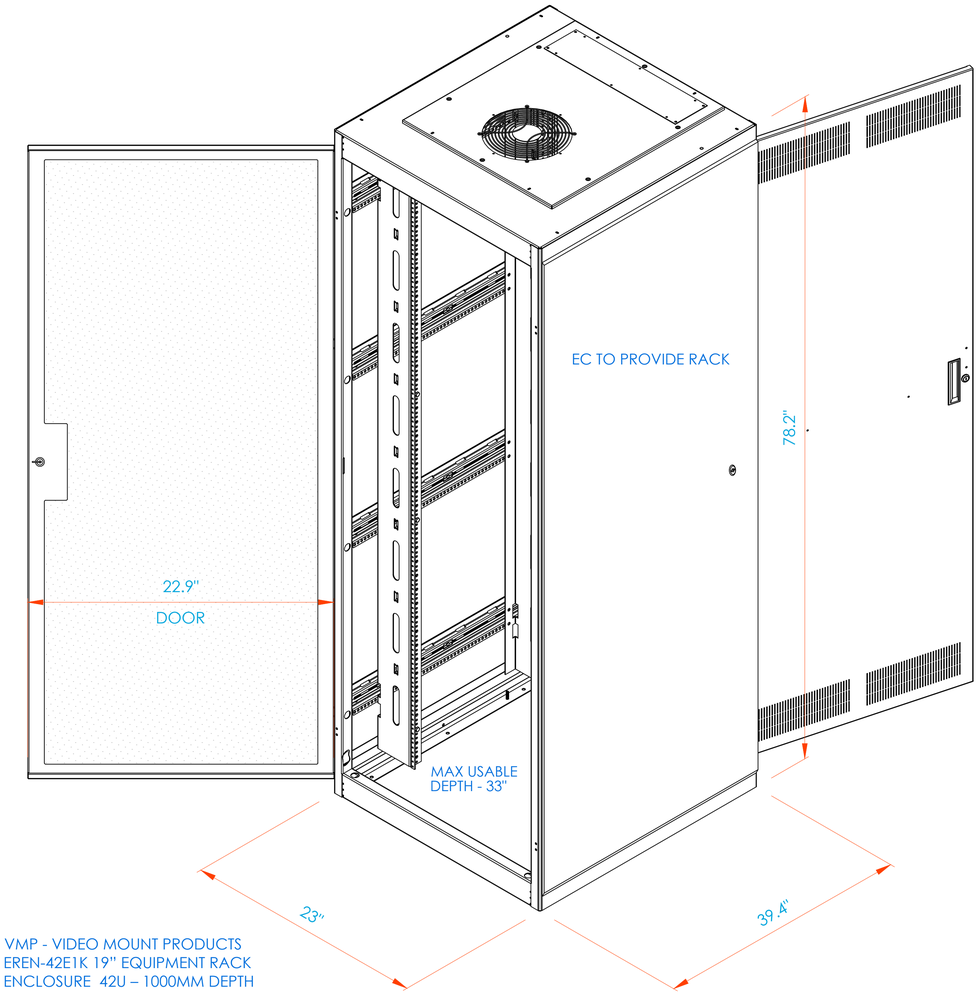
SCALE: 1/8" = 1'-0"
DATE: 5/1/26
DPW FILE NO. 10-02-SE-159
REV. NO. 0

CCTV NETWORK RACK



CONTRACTOR TO PUNCH CAT5E IN **CONSECUTIVE ORDER** AND LABEL ALL PATCH PANEL PORTS WITH FLOOR PLAN NUMBERING SCHEMA SUCH AS 1-C-17

FRONT ELEVATION



VMP - VIDEO MOUNT PRODUCTS
EREN-42E1K 19" EQUIPMENT RACK
ENCLOSURE 42U – 1000MM DEPTH

RACK - 3D VIEW

IN CHARGE OF _____

CHECKED BY _____

MADE BY _____

LEGAL NOTICE:
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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

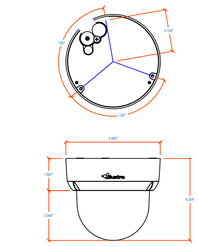
CONTRACT NUMBER 23-514
SHEET NUMBER SE-300
SHEET NO. 68 OF 69

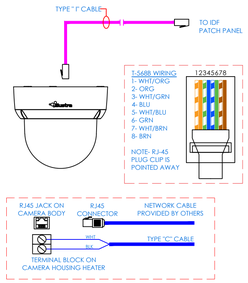
NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
CCTV RACK ELEVATIONS

SCALE: AS NOTED
DATE: 5/1/26
DPW FILE NO. 10-02-SE-160
REV. NO. 0

TYCO - ILLUSTRA FLEX 4K MINI DOME
8MP MINI DOME p/n: IFS08D2ICWTT (INDOOR) & IFS08D2OCWTT (OUTDOOR)

DEVICE DETAIL & WIRING



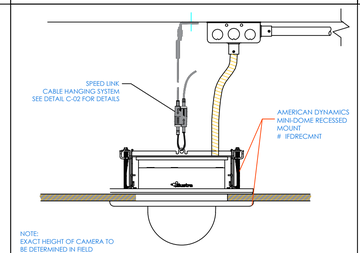


SPECIFICATIONS

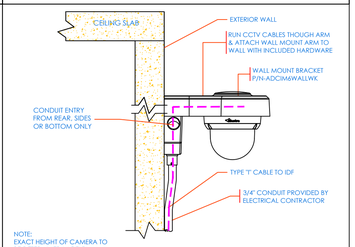
	Indoor	Outdoor
Operational		
Video Compression	H.264 / H.265 / Intelli-Zip / MJPEG	
Max Frame Rate	4MP @ 15 fps	
ONVIF Compliant	Profile S	
Analog Video Output	Yes	
Resolution	3840x2160 (4K) 16:9 2048x1536 (QXGA) 4:3 1920x1080 (1080p) 16:9 2592x1944 4:3 2688x1520 16:9 1920x1536 (QXGA) 4:3	1280x960 (SXGA-) 4:3 1280x720 (720p) 16:9 800x600 (SVGA) 4:3 640x480 (640VGA) 4:3 640x360 (nHD) 16:9
Imager	1/2.5"	
Day/Night	True D/N with ICR	
TrickleStor	Yes	
IR Distance	N/A	25m
Motion Detection	3 zones	
Blur Detection	Yes	
Privacy Zones	9 zones	
Alarm Input/Output	1 - 1	
Audio Input/Output	1 - 1	
Video Streams	Triple Streaming with a Maximum of 5 Concurrent Shared Streams	
True Wide Dynamic Range	100dB	
Minimum Illumination Color B/W	0.03 Lux 0.0003 Lux	
Field of View (H/V) Wide Angle Telephoto	104°/56° 42°/24°	
Lens Type	Motorized Varifocal and Focus, P-Iris control, IR corrective	
Focal length	3.4-9mm	
Aperture	F/1.5(W)-F/2.9(T)	
Supported Languages	Arabic, Czech, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English (US), French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, Spanish, Turkish	
Network		
Ethernet Interface Port	IEEE 802.3, 10/100Base-T Ethernet, Female RJ45, Auto-Negotiation	
Support Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WSAddressing, CIFS, SNMP, UPNP, RTSP, LLDP	
Configuration Management		
Web Browser	Internet Explorer 8.0 or above, Firefox, Safari, Chrome	
Security	TLS - RFC5246 v1.2, HTTPS (HTTP over TLS) - RFC2818, WS-Security, Certificate Management, Multi-Level Password Protection, IP Address Filtering, HTTPS Encryption, One-Click Security Hardening, User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE 802.1x including: PEAP, EAP-TLS, EAPoL	
Onboard Storage		
Card Support	Micro SD & SDXC slot up to 128GB; Class 10 or higher; Card not included	
Electrical		
Power Input	24VAC, PoE IEEE 802.3af class 2	24VAC, PoE IEEE 802.3af class 3
Power Draw	6W	12W
Physical		
Dimensions	Ø4.8 x 4.2 in (Ø123 x 107 mm)	
Weight	2.05lbs (0.93kg)	2.14lbs (0.97kg)
Housing Color	White	
Operating Temperature	-4°F to 122°F (-20°C to 50°C) No Heater	-58°F to 122°F (-50°C to 50°C) Extended Temperature: 140°F (60°C) for 5 hours a day with IR Illuminators OFF
Vandal Resistant	IK10	
Environmental Rating	IP66/IP67	
Regulatory		
Emissions	FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A	
Immunity	EN50024, EN50130-4	
Safety	EN60950-1; UL60950-1; CAN/CSA-C22.2 No. 60950-1	
Environment	RoHS/WEEE	

*Extended temperature limited to camera installed in indirect sunlight

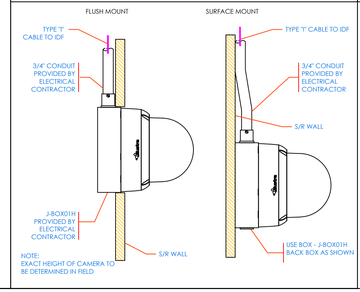
CEILING MOUNTING DETAIL



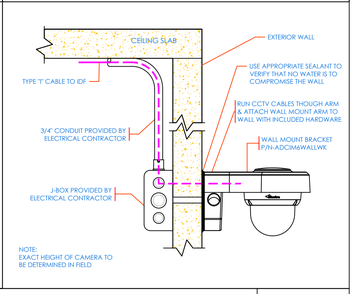
OUTDOOR WALL SURFACE MOUNT DETAIL



INDOOR (ONLY) WALL MOUNTING DETAIL



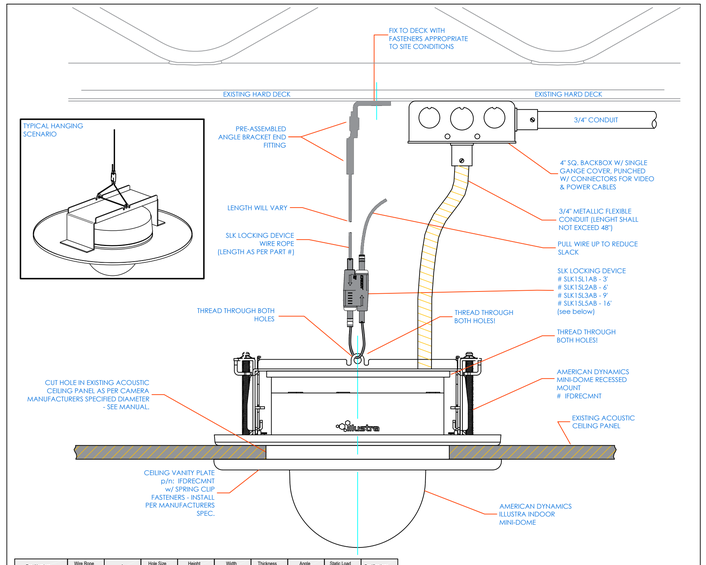
OUTDOOR WALL MOUNT DETAIL



Symbol on Dwgs:

DTL: C01

nVent CADDY
SPEED LINK SLK WITH ANGLE BRACKET



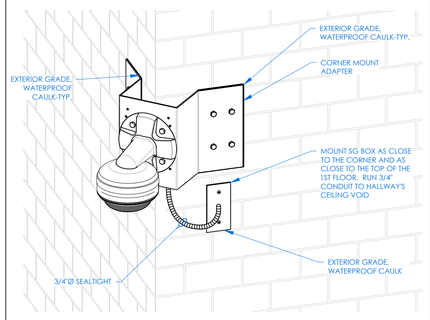
Part Number	Wire Rope Length	A	Hole Size HG	Height H	Width W	Thickness T	Angle a	Static Load F	Certifications
SLK1SL1AB	3.3'	0.89"	0.281"	2.15"	0.75"	0.5"	90° Max	44 lb	cULus
SLK1SL2AB	6.6'	0.89"	0.281"	2.15"	0.75"	0.5"	90° Max	44 lb	cULus

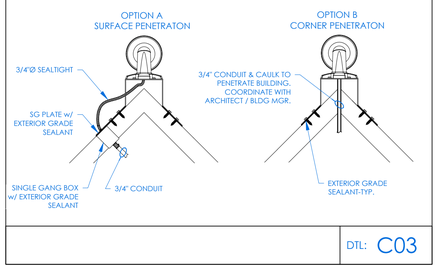
Symbol on Dwgs:

DTL: C02

CORNER MOUNT DETAIL

DEVICE DETAIL





DTL: C03

EQUIPMENT NOTES:

1. 'GENETEC' CLIENT STATION SHALL BE INSTALLED AT REMOTE MANAGER'S OFFICE.
2. 'GENETEC' CLIENT STATION SHALL BE INSTALLED AT REMOTE SUPERINTENDENT'S OFFICE.
3. ELECTRICAL CONTRACTOR (EC) TO RECEIVE COUNTY PROVIDED SECURITY HARDWARE.
4. EC TO FURNISH & INSTALL 'CAT 6' CABLE TO ALL COUNTY PROVIDED HARDWARE.

CONTRACTOR NOTES:

1. DEVICE PLACEMENT, CABLE TYPES & ROUTES, DEVICE TERMINATION & OTHERS ARE FOR REFERENCE ONLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING & VERIFYING THE ENTIRE DRAWING SET & RELATED 'DIVISION 28' SPECIFICATIONS. VERIFY ACTUAL FIELD CONDITIONS & DELIVER A 'TURN KEY' SOLUTION TO OWNER.
3. CONTRACTOR SHALL VERIFY CAMERAS 'FIELD OF VIEW' & ADJUST AS NEEDED TO THE SATISFACTION OF THE OWNERS SECURITY MANAGER.
4. PRIOR TO PULLING 'CAT-6' WIRES; CONTRACTOR SHALL VERIFY THAT CABLE LENGTH DOES NOT EXCEED 300' WHEN BROUGHT TO CLOSEST CLOSET.
5. ALL 'CAT-6' CABLES SHALL BE TESTED & CERTIFIED A PER BID DOCUMENT.
6. CONTRACTOR SHALL MARK ANY DEVIATION FROM THE PROVIDED RISER & NOTE THE DEVIATION ON THE 'AS-BUILT' DWG'S.
7. CONTRACTOR SHALL PRODUCE & DELIVER A BOUND 'AS-BUILT' SET AS PRINTS & PDF FORMAT.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SYSTEM COMMISSIONING, 'ITG'S' ROLE IS LIMITED TO SYSTEM PROGRAMMING ONLY.

THIS CAD SET & ALL INVENTIONS, IDEAS, DESIGNS, DETAILS & METHODS SHOWN HERE ARE THE PROPERTY OF ITG LARSON, & MAY NOT BE USED, ALTERED, REPRODUCED OR DISTRIBUTED WITHOUT 'ITG'S' WRITTEN CONSENT & PERMISSION.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

NEW MAINTENANCE & STORAGE BLDG. COMPLEX
MOHANSIC GOLF COURSE
YORKTOWN, NEW YORK
SECURITY - CAMERA MOUNTS & DETAILS

CONTRACT NUMBER 23-514
SHEET NUMBER SE-707
SHEET NO. 69 OF 69
SCALE: AS NOTED
DATE: 5/1/26
DPW FILE NO. 10-02-SE-161
REV. NO. 0

IN CHARGE OF _____
CHECKED BY _____
MADE BY _____

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