

TOWN OF BLOOMING GROVE

LASSER PARK SENIOR CENTER CONTRACT 2: ENTRY PORCH, DECK, AND SITEWORK

AUGUST 2023

DRAWING LIST

DRAWING NO. DRAWING TITLE

GENERAL

- COVER SHEET
G1 SYMBOLS AND ABBREVIATIONS

CIVIL

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C2 EROSION AND SEDIMENT CONTROL PLAN
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ARCHITECTURAL / STRUCTURAL

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A5 SECTIONS AND DETAILS
A6 SECTIONS AND DETAILS
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MECHANICAL

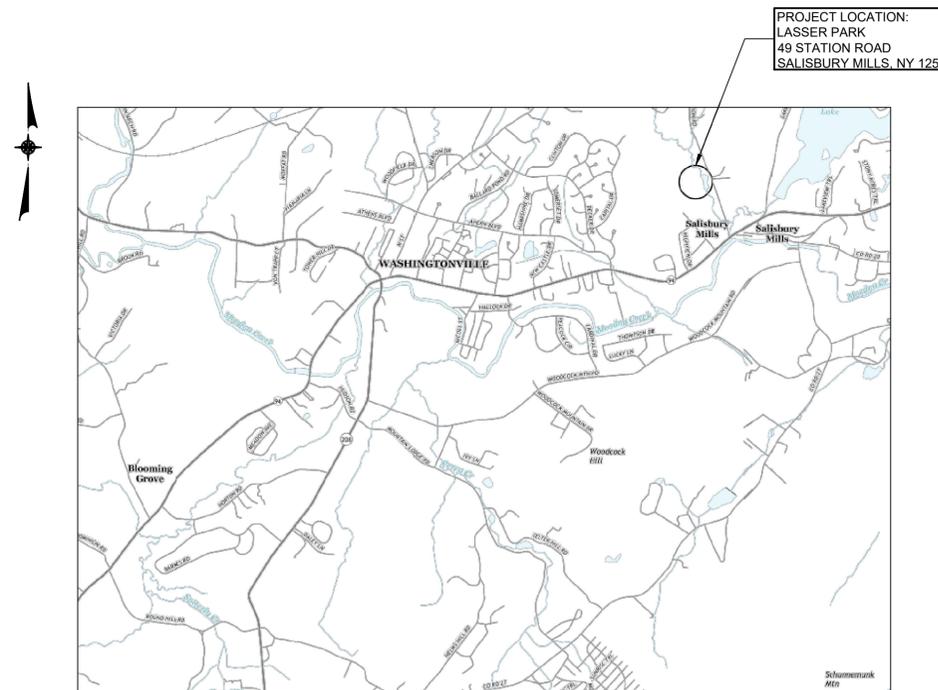
M1 FLOOR PLAN - BASEMENT

ELECTRICAL

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LOCATION MAP

N.T.S.

ABBREVIATIONS

(A)	ABANDONED	HP	HORSEPOWER
ADDL	ADDITIONAL	HWR	HOT WATER RETURN
AFF	ABOVE FINISHED FLOOR	HWS	HOT WATER SUPPLY
AIC	AMPERE INTERRUPTING CAPACITY	HYP	HYPOCHLORITE
ALUM	ALUMINUM	ID	INSIDE DIAMETER
AOBE	AS ORDERED BY ENGINEER	IJ	ISOLATION JOINT
ARV	AIR RELEASE VALVE	INF	INFLUENT
AT	ASTRONOMIC TIMER	INT	INTERIOR
B, BOT	BOTTOM	INV.	INVERT ELEVATION
BC	BOTTOM OF CURB	LBS. #	POUNDS
BF	BLIND FLANGE	LF	LINEAR FEET
BFV	BUTTERFLY VALVE	LP	LOW POINT
BLW	BLOWOFF	LS	LIMIT SWITCH
BM	BEAM	MAX	MAXIMUM
BP, BYP	BY PASS	MCC	MOTOR CONTROL CENTER
BPWW	BACKWASH WATER	MECH	MECHANICAL
BV	BALL VALVE	MFG	MANUFACTURER
BWW	BELT PRESS WASH WATER	MH	MANHOLE
C	CONDUIT OR CONDENSATE	MIN	MINIMUM
CL	CLEARANCE OR CENTERLINE	MJ	MECHANICAL JOINT
C.I.	CAST IRON	MO	MASONRY OPENING
C.O.	CLEAN OUT	MOPO	MAINTENANCE OF PLANT OPERATIONS
CB	CIRCUIT BREAKER/CATCH BASIN	MWR	MUDWELL RETURN
CCT	CHLORINE CONTACT TANK	NC	NORMALLY CLOSED
CHL	CHLORINE	NEC	NATIONAL ELECTRICAL CODE
CJ	CONSTRUCTION JOINT	NO	NUMBER OR NORMALLY OPEN
COL	COLUMN	NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	OC, O/C	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONT	CONTINUE, CONTINUOUS	OE	OVERHEAD ELECTRIC
CP	CONTROL PANEL	OF	OUTFALL
CPT	CONTROL POWER TRANSFORMER	OPNG	OPENING
CR	CORROSION RESISTANT	OT	OVERHEAD TELEPHONE
CU	COPPER	O/F	OVERFLOW
CV	CHECK VALVE	PB	PULLBOX
D	DRAIN	PD	PLANT DRAIN
DET	DETAIL	PE	PLANT EFFLUENT
DFB	DENITE FILTER BACKWASH	PL	PLATE OR PROPERTY LINE
DFE	DENITE FILTER EFFLUENT	PLV	PLUG VALVE
DFI	DENITE FILTER INFLUENT	PS	PRESSURE SWITCH OR PRIMARY SLUDGE
DFIB	DENITE FILTER INFLUENT BACKWASH	PVC	POLYVINYL CHLORIDE PIPE
DG	DIGESTER GAS	RAS	RETURN ACTIVATED SLUDGE
DI	DUCTILE IRON	RCP	REINFORCED CONCRETE PIPE
DIA.	DIAMETER	RD	ROOF DRAIN
DIS	DISCHARGE	REC	RECIRCULATION
DMH	DRAIN MANHOLE	RED	REDUCER
DPI	DIFFERENTIAL PRESSURE INDICATOR	REINF	REINFORCE, REINFORCING
DPS	DIFFERENTIAL PRESSURE SWITCH	REQD	REQUIRED
DS	DOOR MOUNTED SWITCH (INTRUSION ALARM)	RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
DSL	DIGESTED SLUDGE	RSL	RAW SLUDGE
DWG(S)	DRAWING(S)	RVSS	REDUCED VOLTAGE SOLID STATE STARTER
DWLS	DOWELS	S	SANITARY SEWER OR SEWAGE
E	ELECTRIC	SC	SCREENINGS OR SCUM
EA	EACH	SCH	SCHEDULE
EC	ELECTRICAL CONTRACTOR	SCW	SCRUBBER WATER
EE	EACH END	SFM	SLUDGE FORCE MAIN
EF	EACH FACE	SH	SODIUM HYDROXIDE
EFF	EFFLUENT	SL	SLUDGE
EH	ELECTRICAL HANDHOLE	SLW	SLUDGE WITHDRAWAL
EJ	EXPANSION JOINT	SN	SUPERNATANT
EL,ELEV	ELEVATION	SPECS	SPECIFICATIONS
ELL	ELBOW	SQ.	SQUARE
EOF	EMERGENCY OVERFLOW	SQ. FT./SF	SQUARE FEET
EP	EDGE OF PAVEMENT	STD	STANDARD
EQ	EQUAL	STN. STL./SS	STAINLESS STEEL
EQUIP	EQUIPMENT	STRUCT	STRUCTURAL
ES	EACH SIDE	SUC	SUCTION
ETC	ET CETERA	SV	SOLENOID VALVE
EW	EACH WAY	SWR	SCRUBBER WATER RETURN
EWV	ELECTRIC WATER HEATER	T	TELEPHONE
EXIST.	EXISTING	T&B	TOP AND BOTTOM
EXP	EXPANSION	TB	TERMINAL BOX
EXT	EXTERIOR	TDC	TIME DELAY CLOSE
EMH	ELECTRICAL MANHOLE	TDO	TIME DELAY OPEN
EUH	ELECTRIC UNIT HEATER	TDR	TIME DELAY RELAY
F	FLOW SWITCH	TC	TOP OF CURB
F.F./FIN. FLR.	FINISHED FLOOR	THERM	THERMOSTAT
FBO	FURNISHED BY OTHERS	TOS	TOP OF STEEL
FND	FOUNDATION	TOW	TOP OF WALL
FE	FINAL EFFLUENT	TS	THICKENED SLUDGE
FI	FLOW INDICATOR	TYP	TYPICAL
FIL	FILTRATE	U.O.N	UNLESS OTHERWISE NOTED
FL	FLOOR	UPS	UNINTERRUPTIBLE POWER SUPPLY
FM	FORCE MAIN	V	VENT
FR	FRACTIONAL HORSEPOWER	VERT	VERTICAL
FRP	FIBERGLASS REINFORCED PLASTIC	VFD	VARIABLE FREQUENCY DRIVE
FS	FLOAT SWITCH	VIF	VERIFY IN FIELD
FTG	FOOTING	W	WATER
FVNR	FULL VOLTAGE NON-REVERSING STARTER	W	WITH
G	GAS	WAS	WASTE ACTIVATED SLUDGE
GALV	GALVANIZED	WP	WEATHER-PROOF
GC	GENERAL CONTRACTOR	WS	WATER SERVICE
GFI	GROUND FAULT CIRCUIT INTERRUPTER	WW	WASHWATER
GS	GAS SERVICE	WWF	WELDED WIRE FABRIC
GV	GATE VALVE		
HDPE	HIGH DENSITY POLYETHYLENE		
HOA	HAND-OFF-AUTOMATIC SWITCH		
HOF	HEAT-OFF-FAN SWITCH		

CIVIL-EXISTING

	CURB
	CONTOUR
	SPOT ELEVATION
	TOP OF CURB ELEVATION
	BOTTOM OF CURB ELEVATION
	TREE
	TREE (EVERGREEN)
	VEGETATION LINE (HEDGES, LARGE SHRUBS, ETC.)
	UTILITY POLE
	LIGHT POLE
	FENCE
	STORM DRAIN MANHOLE
	CATCH BASIN
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	UNKNOWN MANHOLE
	GAS MAIN
	WATER MAIN
	SANITARY SEWER
	STORM DRAIN
	ELECTRIC LINE
	TELEPHONE LINE
	UNDERGROUND PROCESS PIPING (SEE ABBREVIATIONS FOR DESCRIPTIONS)

CIVIL-PROPOSED

	CONTOUR
	SPOT ELEVATION
	TOP OF CURB ELEVATION
	BOTTOM OF CURB ELEVATION
	BELGIAN BLOCK CURB
	TREE
	LIGHT POLE
	FENCE
	STORM DRAIN MANHOLE
	YARD INLET
	CATCH BASIN
	SANITARY SEWER MANHOLE
	ELECTRIC MANHOLE
	TELEPHONE MANHOLE
	WATER MAIN
	SANITARY SEWER
	STORM DRAIN
	ELECTRIC LINE
	TELEPHONE LINE
	UNDERGROUND PROCESS PIPING (SEE ABBREVIATIONS FOR DESCRIPTIONS)
	ASPHALT PAVEMENT
	CONCRETE
	GRAVEL
	SILT FENCE
	STORM DRAIN INLET FILTER
	SODDING
	PIPE SLOPE DRAIN
	PERIMETER/DIKE SWALE

MECHANICAL/PLUMBING

	AIR RELEASE VALVE
	GATE VALVE
	BACK PRESSURE CONTROL VALVE
	BALL VALVE
	BUTTERFLY VALVE
	BUTTERFLY VALVE W/MOTORIZED ACTUATOR
	PLUG VALVE
	CHECK VALVE
	SOLENOID VALVE ASSEMBLY
	VENTURI METER
	FLANGED FITTING
	MECHANICAL JOINT FITTING
	UNION
	FLOW SWITCH, FLOW INDICATOR
	PRESSURE SWITCH
	FLOW TRANSMITTER
	CORPORATION STOP/ SERVICE CONNECTION
	WATER METER
	LIMIT SWITCH
	PRESSURE GAUGE
	HOSE BIBB
	FLOAT SWITCH
	AIR FILTER
	INTAKE LOUVER
	BACKDRAFT DAMPER
	RPZ-BACKFLOW PREVENTER
	AIR FLOW MEASURING STATION

SYMBOLS

ELECTRICAL

	MOTOR - INSERT DENOTES HORSE POWER
	480V DISCONNECT SWITCH, 3 POLE, 3 FUSE (a INDICATES SWITCH RATING AND b INDICATES FUSE RATING, IN AMPS) LIGHT POLE
	480V NON-FUSED DISCONNECT SWITCH (a INDICATES SWITCH RATING IN AMPS)
	COMBINATION MOTOR STARTER
	WALL BATTERY PACK - 2 LAMP FIXTURE. SEE SPECIFICATION FOR LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE (UPPER CASE LETTER INDICATES TYPE, LOWER CASE LETTER INDICATES RESPECTIVE SWITCH, NUMERAL INDICATES CIRCUIT NUMBER) SEE SPECIFICATION FOR LIGHTING FIXTURE SCHEDULE
	LED LIGHTING FIXTURE WITH INTEGRAL OCCUPANCY SENSOR
	LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP
	LED LIGHTING FIXTURE WITH INTEGRAL OCCUPANCY SENSOR AND EMERGENCY BATTERY BACKUP
	DEVICE (SEE ABBREVIATIONS FOR TYPE)
	208/120V UTILITY PANEL
	HOME RUN TO PANELBOARD LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER
	INDICATES WIRE AND CONDUIT RUN (SEE CONDUIT AND CABLE SCHEDULE)
	GROUND CABLE
	CONDUIT AND WIRING RUN EXPOSED
	CONDUIT CONCEALED OR BURIED
	CONDUIT (TURNED UP)
	CONDUIT (TURNED DOWN)
	CONDUIT FOR TELEPHONE SYSTEM
	SINGLE PHASE MOTOR STARTING SWITCH WITH TERMINAL OVERLOAD
	LIMIT SWITCH
	FLOW SWITCH
	CAPPED CONDUIT (EXPOSED)
	JUNCTION BOX
	CONVECTION HEATER

ARCHITECTURAL/STRUCTURAL

	EXISTING
	EXISTING TO BE REMOVED (SEE NOTE 2)
	NEW
	NEW (HIDDEN)
	NEW CONCRETE
	NEW MASONRY WALLS
	GRATING
	EARTH
	NEW CONCRETE (SITE PLANS ONLY)
	NEW PAVEMENT (SITE PLANS ONLY)
	SECTION DUCT SIZE - FIRST DIMENSION IS HORIZONTAL
	ELEVATION OF DUCT SIZE - FIRST DIMENSION IS SIDE SHOWN
	PLAN OF DUCT SIZE - FIRST DIMENSION IS SIDE SHOWN
	VENTILATION DUCT TURN UP / TURN DOWN RESPECTIVELY
	FLEXIBLE CONNECTION

HVAC

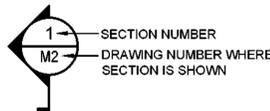
ELECTRICAL (CONTINUED)

	SWITCH (LOWER CASE LETTER INDICATES FIXTURES & EQUIPMENT TO BE SWITCHED) (REFER TO SPECIFICATION FOR RATINGS) (D INDICATES 0-10V DIMMING)
	THREE-WAY SWITCH (LOWER CASE LETTER INDICATES FIXTURES AND EQUIPMENT TO BE SWITCHED) (REFER TO SPECIFICATION FOR RATINGS) (D INDICATES 0-10V DIMMING)
	DUPLEX RECEPTACLE, 2 POLE, 3 WIRE, 120V, 20A, 18" A.F.F. UNLESS OTHERWISE NOTED
	GRD FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE, 2 POLE, 3 WIRE, 120V, 20A, 18" A.F.F. UNLESS OTHERWISE NOTED
	RECEPTACLE, SPECIFIC PURPOSE - VERIFY REQMT
	AIR TERMINAL FOR LIGHTNING PROTECTION SYSTEM
	GROUND ROD WITH INSPECTION WELL
	SECTION OF CONCRETE CONDUIT BANK
	THERMOSTAT
	SOLENOID VALVE COIL
	N.C. LIQUID LEVEL SWITCH
	N.C. AIR PRESSURE SWITCH
	CONTROL STATION
	AC COMBINATION FULL VOLTAGE NON-REVERSING STARTER WITH MAGNETIC BREAKER
	TRANSFORMER (SEE SINGLE LINE DIAGRAM)
	TRANSFORMER-TYPE AND SIZE AS NOTED ON THE DRAWINGS AND IN SPECIFICATIONS
	FUSE
	MICROPROCESSOR BASED METERING DEVICE (SEE SPECIFICATIONS)
	CIRCUIT BREAKER (a INDICATES FRAME SIZE AND b INDICATES TRIP SIZE)
	CIRCUIT BREAKER, DRAW OUT TYPE (a INDICATES TRIP SIZE)
	EQUIPMENT/DEVICE FURNISHED AND INSTALLED UNDER GENERAL OR MECHANICAL CONTRACTS, CONDUIT AND WIRING INCLUDING TERMINATIONS BY ELECTRICAL CONTRACTOR.

DETAIL REFERENCES



SECTION REFERENCES



NOTE: ON THE SHEET THE SECTION/DETAIL IS LOCATED, THE BOTTOM NUMBER REFERENCES BACK TO THE SHEET WHERE IT FIRST APPEARS IN THE DRAWING SET.

MISCELLANEOUS SYMBOLS

	INDICATES EXISTING BUILDINGS, STRUCTURES AND FEATURES, ETC.
	INDICATES EXISTING BUILDINGS, STRUCTURES AND FEATURES, ETC. TO BE DEMOLISHED
	INDICATES PROPOSED BUILDINGS, STRUCTURES AND FEATURES, ETC.

0'-0" (100.00) BUILDING ELEVATION (SITE ELEVATION)

NOTES:

- SYMBOLS/ ABBREVIATIONS LIST APPLIES TO ALL CONTRACTS
- THE REMOVAL SYMBOL APPLIES TO ALL ITEMS TO BE REMOVED INCLUDING CIVIL, MECHANICAL, PLUMBING, HEATING, VENTILATING, ELECTRICAL ETC.

NO.	DATE	REVISION	INT.



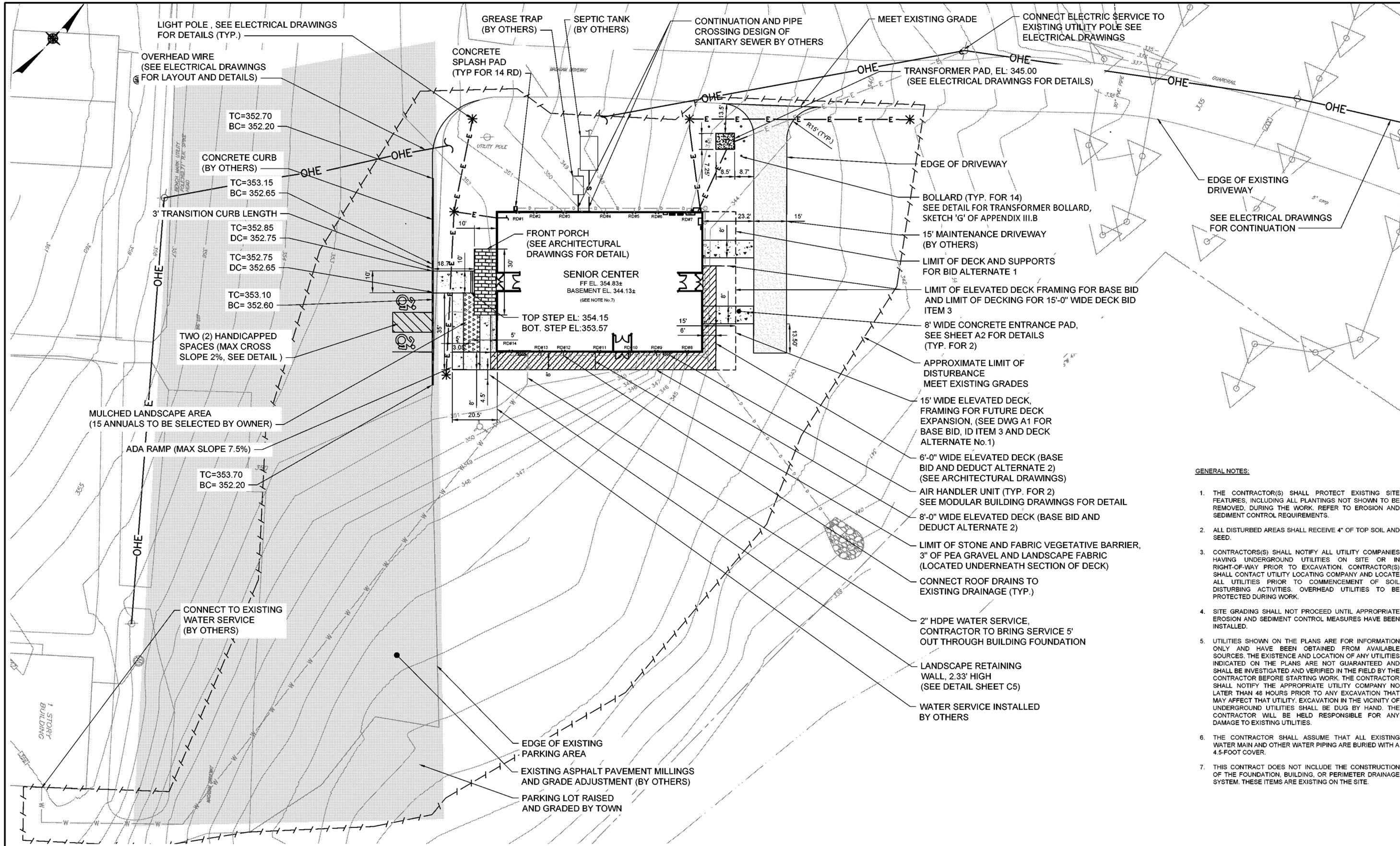
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PROJECT ENGINEER: AE	DRAWN BY: KA
DESIGNED BY: AE	CHECKED BY: WDM



TOWN OF BLOOMING GROVE	
ORANGE COUNTY	NEW YORK
LASSER PARK SENIOR CENTER	

CONTRACT 2	
SYMBOLS AND ABBREVIATIONS	
GENERAL	

PROJECT NO. 5708	DRAWING NO. G1
DATE: AUGUST 2023	
SCALE: AS NOTED	



- GENERAL NOTES:**
1. THE CONTRACTOR(S) SHALL PROTECT EXISTING SITE FEATURES, INCLUDING ALL PLANTINGS NOT SHOWN TO BE REMOVED, DURING THE WORK. REFER TO EROSION AND SEDIMENT CONTROL REQUIREMENTS.
 2. ALL DISTURBED AREAS SHALL RECEIVE 4" OF TOP SOIL AND SEED.
 3. CONTRACTOR(S) SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR(S) SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF SOIL DISTURBING ACTIVITIES. OVERHEAD UTILITIES TO BE PROTECTED DURING WORK.
 4. SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
 5. UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND HAVE BEEN OBTAINED FROM AVAILABLE SOURCES. THE EXISTENCE AND LOCATION OF ANY UTILITIES INDICATED ON THE PLANS ARE NOT GUARANTEED AND SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY NO LATER THAN 48 HOURS PRIOR TO ANY EXCAVATION THAT MAY AFFECT THAT UTILITY. EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES SHALL BE DUG BY HAND. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES.
 6. THE CONTRACTOR SHALL ASSUME THAT ALL EXISTING WATER MAIN AND OTHER WATER PIPING ARE BURIED WITH A 4.5-FOOT COVER.
 7. THIS CONTRACT DOES NOT INCLUDE THE CONSTRUCTION OF THE FOUNDATION, BUILDING, OR PERIMETER DRAINAGE SYSTEM. THESE ITEMS ARE EXISTING ON THE SITE.

NO.	DATE	REVISION	INT.



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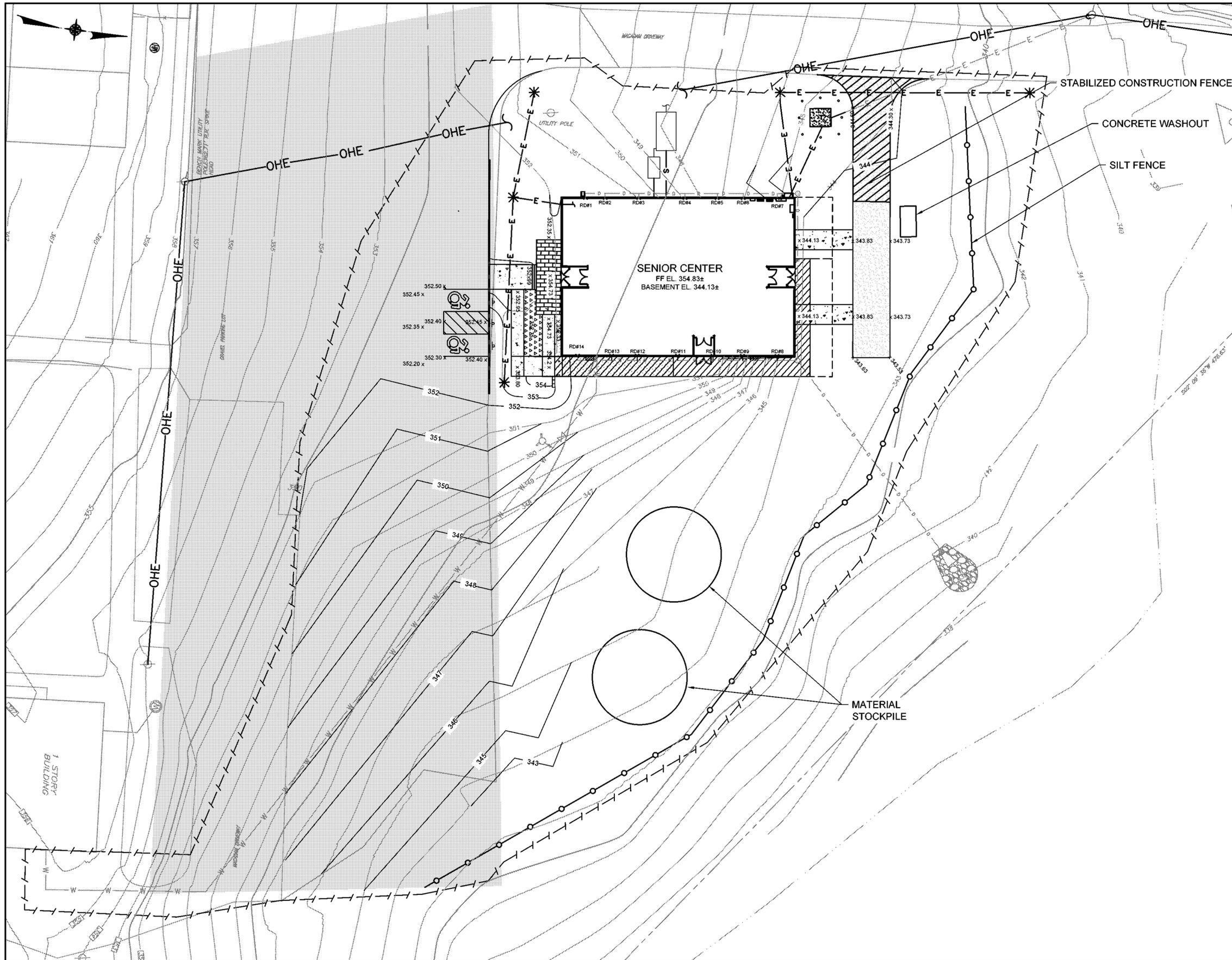
TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

LASSER PARK SENIOR CENTER

CONTRACT 2
SITE PLAN
CIVIL

PROJECT NO. 5708	DRAWING NO. C1
DATE: AUGUST 2023	SCALE: 1" = 20'

P:\1708-BG-Senior Center\Contract 2.dwg(1708-C-PL01.dwg, C1, 02/20/2023, 5:08:03 PM, akaph)



- SOIL EROSION AND SEDIMENT CONTROL NOTES:**
1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
 2. ANY DISTURBED AREAS THAT WILL NOT RECEIVE PERMANENT RESTORATION WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADING, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY COVER. THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
 3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WILL BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
 4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW YORK.
 5. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 14 DAYS OF THE PRELIMINARY GRADING.
 6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.; STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY COVER OF STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
 7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E.; SLOPES GREATER THAN 3:1)
 8. THE ENGINEER SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
 9. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE PERFORMED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
 10. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO MAINTAIN DUST CONTROL. DIRT HAUL ROADS SHALL BE SPRINKLED WITH WATER OR GIVEN A SURFACE OF CRUSHED STONES OR WOODCHIPS AS REQUIRED. VEHICLES SHALL BE CLEANED, AS NECESSARY, PRIOR TO USING PUBLIC STREETS. PAVED ROADS SHALL BE SPRINKLED WITH WATER.
 11. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE LOCATED IN THE FIELD AS REQUIRED OR AT THE DIRECTION OF THE ENGINEER. THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW THE LOCATION AND DETAILS FOR ALL SUCH DEVICES BUT ARE TO BE USED AS A REASONABLE GUIDE.
 12. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE VILLAGE AND THE ENGINEER. THE REVISED PLANS MUST BE PREPARED BY THE CONTRACTOR AND MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL PRACTICES.
 13. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS.
 14. UPON COMPLETION OF CONSTRUCTION WORK AND AFTER FINAL GRADING AND WHEN PERMANENT STABILIZATION HAS BEEN ESTABLISHED, HAY BALES, SILT FENCES AND ALL OTHER SOIL PLAN APPURTENANCES WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, UNLESS ORDERED TO REMAIN BY THE ENGINEER.
 15. ALL EXCESS EXCAVATED MATERIAL, EXCEPT FOR TOP SOIL, WILL BE REMOVED FROM THE SITE BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 16. CONDUIT OUTLETS AND CATCH BASIN INLETS MUST BE PROTECTED PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION OPERATIONS FOR REVIEW AND SUBMITTAL TO THE ENGINEER.
 17. THE CONTRACTOR SHALL MEET ENGINEER ON-SITE TO DEFINE THOSE AREAS WHICH WILL REQUIRE SOIL EROSION AND SEDIMENT CONTROL FACILITIES, DISCUSS THEIR CONSTRUCTION AND THEREAFTER PROVIDE DETAILED PLANS FOR REVIEW OF SUCH FACILITIES BY THE VILLAGE AND THE ENGINEER.
 18. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE AND MAINTAINED; INCLUDING SILT AND SEDIMENT REMOVAL, UNTIL CONSTRUCTION IS COMPLETED.
 19. ALL STREETS SHALL BE FREE FROM DEBRIS AND SOIL TRACKING. THE CONTRACTOR SHALL COMPLY WITH ALL DUST CONTROL REGULATIONS AS OUTLINED IN THE CONTRACT DOCUMENTS.
 20. CONTRACTOR TO SUBMIT STAGING, AND SITE CONSTRUCTION ACCESS PLAN TO ENGINEER AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
 21. CONTRACTOR TO SUBMIT DEWATERING PLAN FOR APPROVAL BY ENGINEER AND OWNER PRIOR TO CONSTRUCTION.
 22. CONTRACTOR SHALL CLEAN EXISTING STORMWATER PIPES AND STRUCTURES PRIOR TO COMPLETION OF PROJECT.

NO.	DATE	REVISION	INT.



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PROJECT ENGINEER: AE	DRAWN BY: GO
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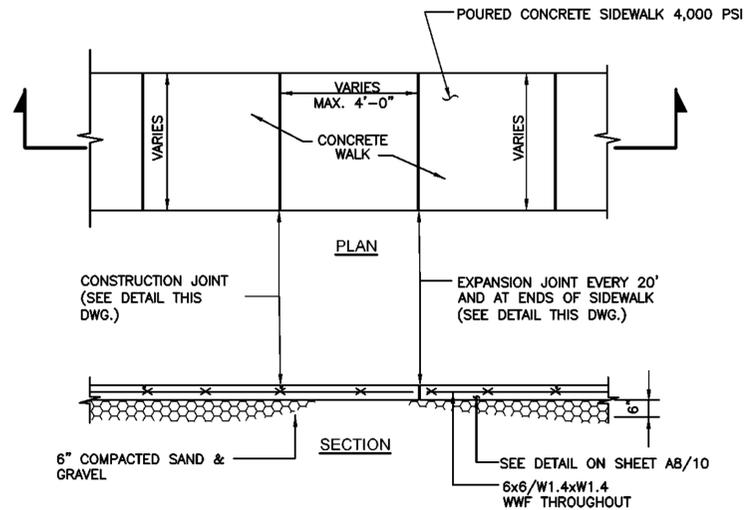


TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

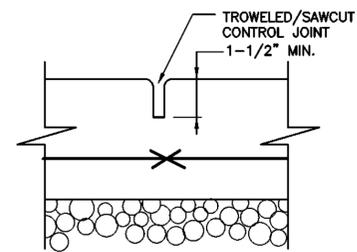
CONTRACT 2
EROSION AND SEDIMENT CONTROL PLAN
CIVIL

PROJECT NO. 5708	DRAWING NO. C2
DATE: AUGUST 2023	
SCALE: 1" = 20'	

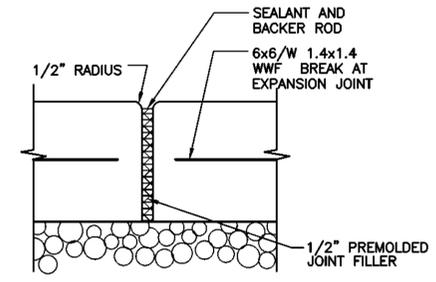
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CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.

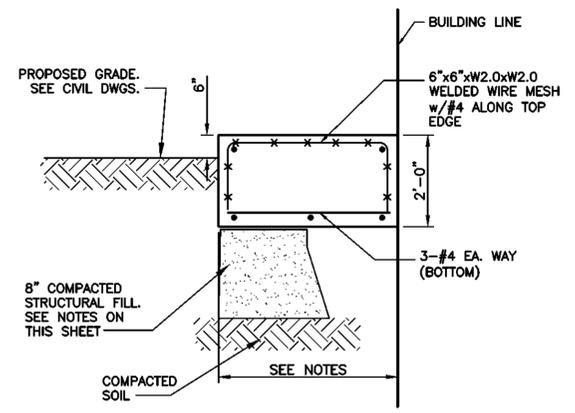


CONSTRUCTION CONTROL JOINT DETAIL
SCALE: N.T.S.



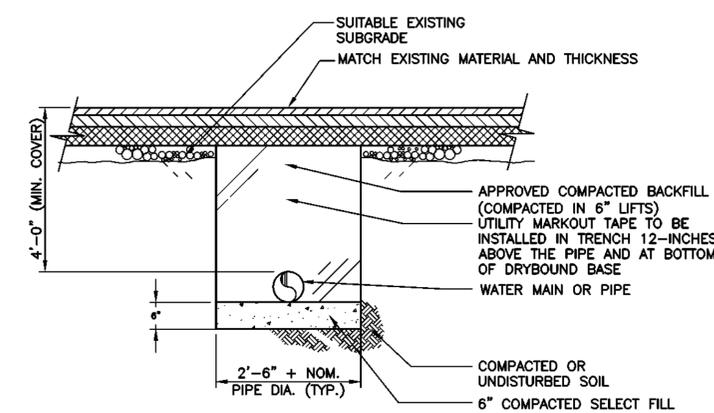
EXPANSION JOINT DETAIL
SCALE: N.T.S.

SEE CONCRETE SIDEWALK DETAIL THIS SHEET FOR NOTES AND DIMENSIONS OF JOINTS.

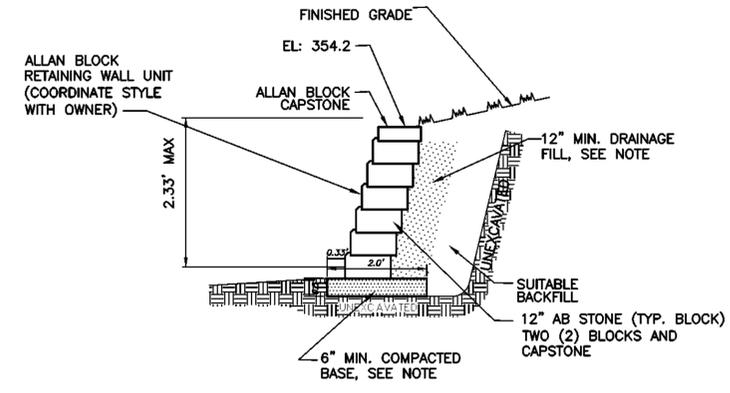


- 1) CONCRETE PAD FOR CT CABINET 42"x20" TOP EL:345.50
- 2) CONCRETE PAD FOR SWITCHBOARD "MDP" 30"x13" EL:345.50
- 3) GENERAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR FINAL DIMENSIONS. GC TO SUBMIT SHOP DRAWINGS.

CONCRETE PAD FOR ELECTRICAL CABINETS
SCALE: N.T.S.

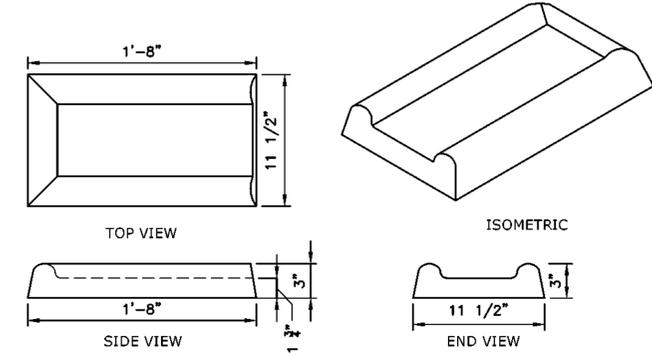


TYPICAL WATER PIPE TRENCH IN PAVED AREA



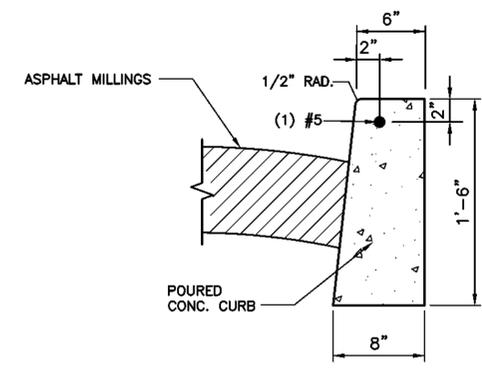
NOTE: BASE AND DRAINAGE MATERIAL MUST BE WELL GRADED COMPACTIBLE AGGREGATE, 0.25 INCH TO 1.5 INCH, (5mm-38mm) WITH NO MORE THAN 10% PASSING THE #200 SIEVE.

LANDSCAPE RETAINING WALL
SCALE: N.T.S.



TYPICAL CONCRETE SPLASH PAD DETAIL
SCALE: N.T.S.

- NOTE:
- 1) A SPLASH PAD SHOULD BE USED FOR ALL ROOF DOWNSPOUTS THAT ARE NOT TIED INTO THE SUBSURFACE DRAINAGE SYSTEM.



- NOTES:
1. CURB REVEAL SHALL BE 6" EXCEPT AT DROP-CURB AND/OR HANDICAP RAMP. (SEE RESPECTIVE DETAILS)
 2. 1/2" PREMOULDED EXPANSION JOINT FILLER SHALL BE INSTALLED 20' O.C.
 3. WORK BY OTHERS.

CONCRETE CURB DETAIL
SCALE: N.T.S.

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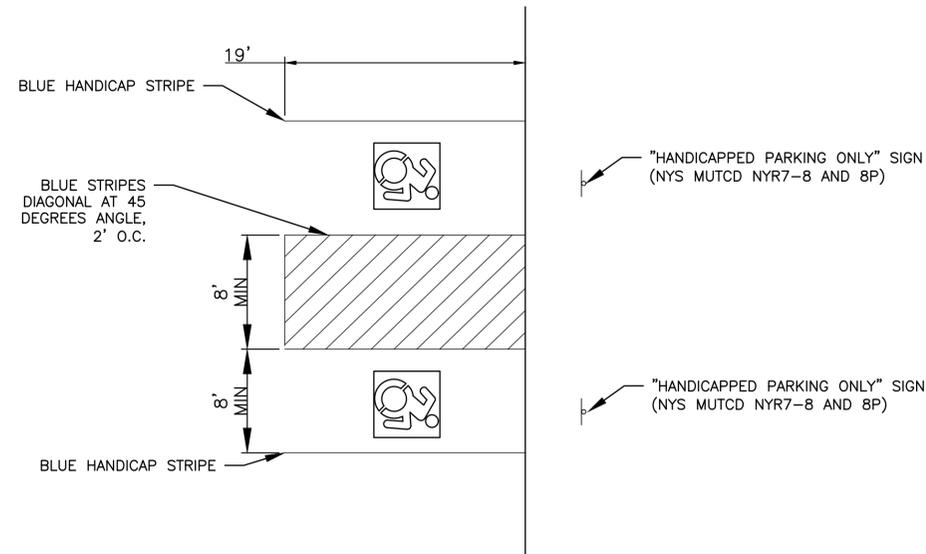


TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

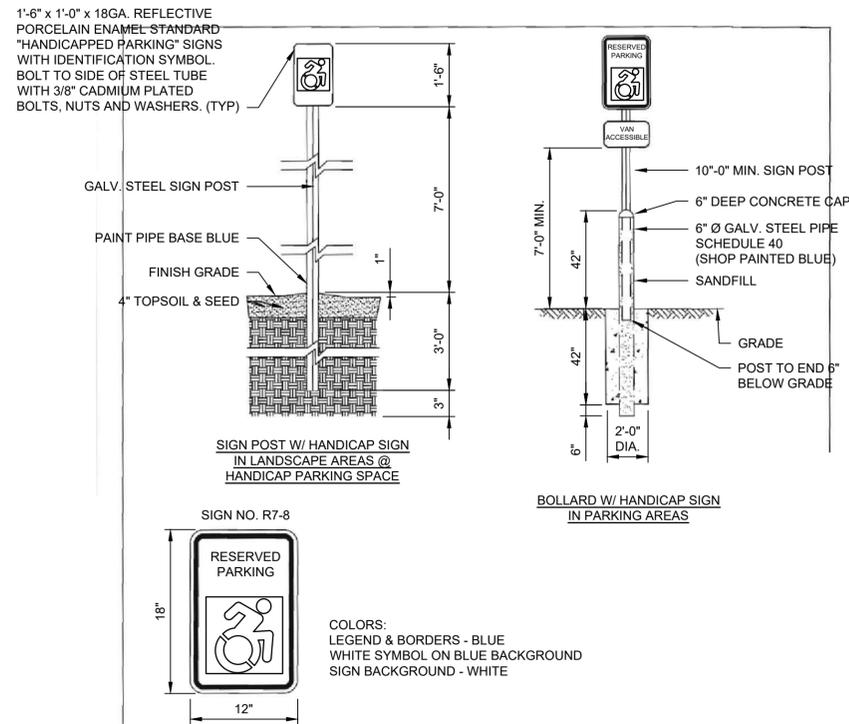
CONTRACT 2
DETAIL I
CIVIL

PROJECT NO. 5708	C3
DATE: AUGUST 2023	
SCALE: AS SHOWN	

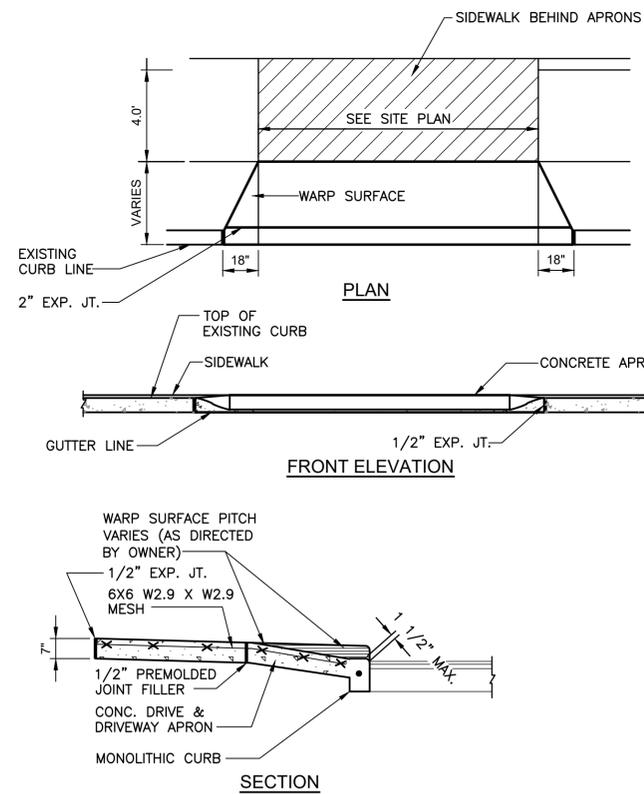
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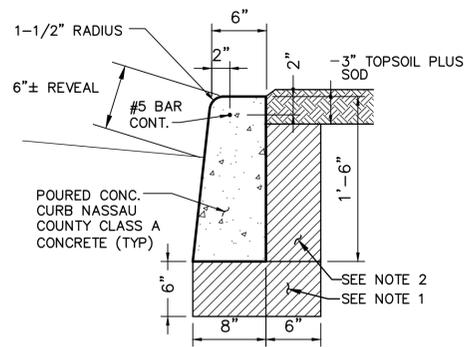
TYPICAL ACCESSIBLE PARKING LAYOUT
SCALE: N.T.S.



ACCESSIBLE PARKING SPACE AND ACCESS AISLE SIGN
SCALE: N.T.S.



DROP CURB AND DRIVEWAY APRON DETAIL
SCALE: N.T.S.



CONCRETE CURB DETAIL
SCALE: N.T.S.

- NOTE:**
- CUT AND REMOVE ALL ROOTS AND OTHER UNSUITABLE SUBGRADE MATERIALS. REPLACE WITH COMPACTED MATERIAL.
 - CUT AND REMOVE ALL ROOTS AND OTHER UNSUITABLE MATERIALS.

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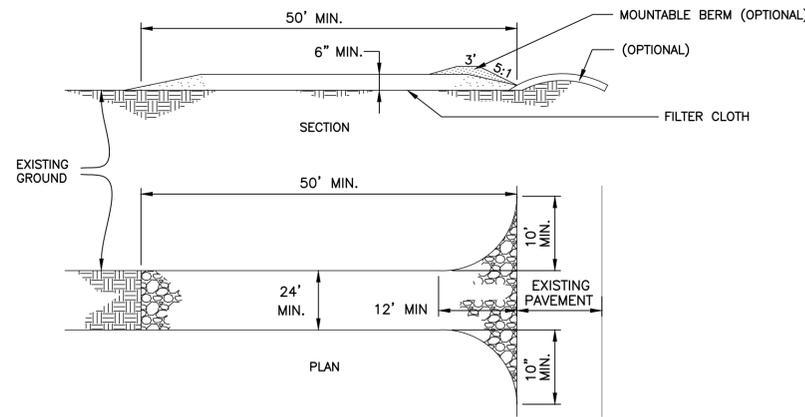
TOWN OF BLOOMING GROVE	
ORANGE COUNTY	NEW YORK
LASSER PARK SENIOR CENTER	

CONTRACT 2
DETAIL II
CIVIL

PROJECT NO. 5708
DATE: AUGUST 2023
SCALE: AS SHOWN

C4

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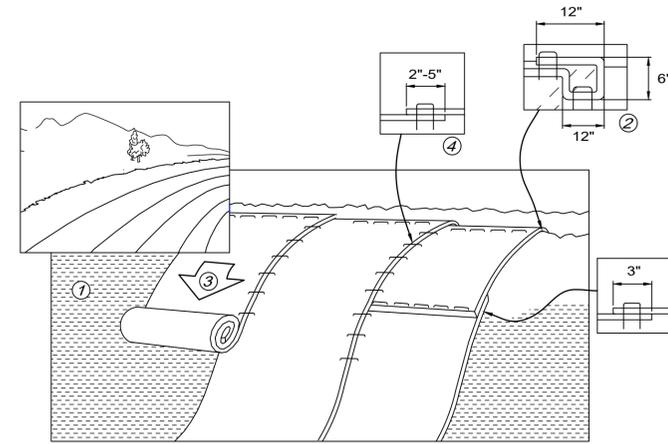


STABILIZED CONSTRUCTION ENTRANCE DETAIL

SCALE: N.T.S.

NOTES:

1. STONE SIZE - USE 1 1/2 - 2 1/2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - 50 FEET MINIMUM.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWENTY FOUR (24) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH, MIRAFI OR APPROVED EQUAL, WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
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 PAVED SURFACES. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACTED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
8. 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.
10. THE SITE SHALL BE MAINTAINED IN SUCH A WAY THAT ALL CONSTRUCTION VEHICLES EXITING THE SITE ONTO A PAVED SURFACE SHALL PASS OVER THE STABILIZED CONSTRUCTION ENTRANCE IF THEY HAVE TRANSVERSED OVER DISTURBED EARTH.

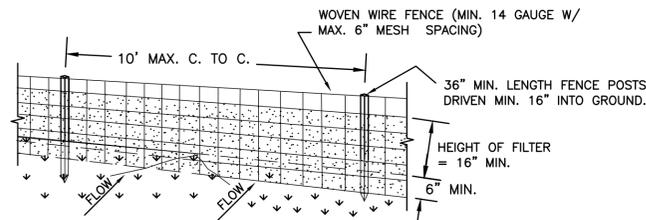


EROSION PROTECTION WITH SOIL STABILIZATION MATTING

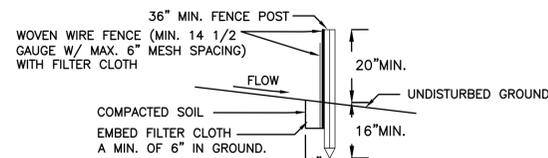
SCALE: N.T.S.

NOTES:

1. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACK FILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO PREPARED SOIL AND FOLD REMAINING 12" PORTION OF THE BLANKET BACK OVER SEED AND SOIL. SECURE BLANKET OVER SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
2. ROLL THE BLANKETS DOWN ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH THE APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
3. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED ACCORDING TO DETAILS A, B, C, D.
6. EROSION CONTROL BLANKETS SHALL BE INSTALLED FOLLOWING MANUFACTURERS SPECIFICATIONS.
7. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.



PERSPECTIVE VIEW



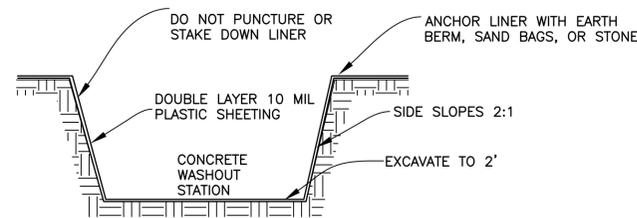
SECTION VIEW

SEDIMENT FENCE DETAIL

SCALE: N.T.S.

NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



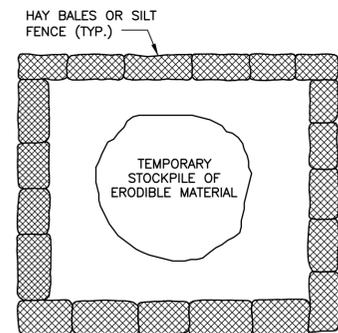
SEE SHEET 6 FOR LOCATION AND DIMENSIONS

CONCRETE WASHOUT

SCALE: N.T.S.

NOTES:

1. THE MINIMUM SIZE SHALL BE 8' X 8' AT THE BOTTOM AND 2' DEEP.
2. AN EXCAVATED PIT SHALL PROVIDE 2' HORIZONTAL TO 1' VERTICAL.
3. CONTRACTOR TO PROVIDE SIGNS ON SITE TO DIRECT DRIVERS TO ITS LOCATION.
4. LOCATION SHALL BE A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS, AND OTHER SURFACE WATERS.
5. REFER TO "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" STANDARD AND SPECIFICATIONS FOR CONCRETE WASHOUT PG 2.24 FOR DEFINITIONS AND MAINTENANCE PARAMETERS.



PLAN

NOTE:
FOR STOCKPILING ERODIBLE MATERIAL FOR EXTENDED PERIODS THE AREA SHALL BE SEEDDED AND MULCHED



SECTION A

SEDIMENT CONTROL DETAIL FOR STOCKPILING OF ERODIBLE MATERIAL

N.T.S.

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TOWN OF BLOOMING GROVE	
ORANGE COUNTY	NEW YORK
LASSER PARK SENIOR CENTER	

CONTRACT 2	
EROSION AND SEDIMENT CONTROL DETAILS	
CIVIL	

PROJECT NO. 5708
DATE: AUGUST 2023
SCALE: AS SHOWN

DRAWING NO. C5

PROJECT GENERAL INFORMATION

NAME OF PROJECT: THE TOWN OF BLOOMING GROVE - LASSER PARK SENIOR CENTER
ADDRESS: 49 STATION ROAD, SALISBURY MILLS, NY 12577
PROPOSED USE: ADULT EDUCATION
OWNER OR AUTHORIZED AGENT:
OWNED BY: THE TOWN OF BLOOMING GROVE
CODE ENFORCEMENT JURISDICTION: CITY: COUNTY: ORANGE STATE: NEW YORK

PROJECT DESCRIPTION:

PLANS ARE FOR THE CONSTRUCTION OF A NEW PORCH AND DECK ON EXISTING MODULAR BUILDING AND FOUNDATION.
NEW CONSTRUCTION
CHANGE OF OCCUPANCY
APPLICABLE CODES: BUILDING CODE OF NEW YORK STATE, 2020 (IBC 2018)
FIRE CODE OF NEW YORK STATE, 2020 (IFC 2018)
NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, 2020 (ECC 2018)
PLUMBING CODE OF NEW YORK STATE, 2020 (IBC 2018)
MECHANICAL CODE OF NEW YORK STATE, 2020 (IBC 2018)
FUEL GAS CODE OF NEW YORK STATE, 2020 (IBC 2018)
ANSI 117.1, 2009 (ADA)

OCCUPANCY CLASSIFICATION:

FACTORY & INDUSTRIAL: F-1 F-2
HIGH HAZARD: H-1 H-2 H-3 H-4 H-5
STORAGE: S-1 S-2 HIGH PILED
UTILITY AND MISC.: U
BUSINESS: B
INCIDENTAL USES: NO YES 509.2 509.3 509.4
MIXED OCCUPANCY: NO YES
NON-SEPARATED MIXED OCCUPANCY (SECTION 508.3)
SEPARATED MIXED OCCUPANCY (SECTION 508.4)
HAZARDOUS MATERIALS: NO YES

TYPE OF CONSTRUCTION:

CONSTRUCTION TYPE: I-A I-B II-A II-B III-A III-B IV V-A V-B
MIXED CONSTRUCTION: YES NO
FIRE SPRINKLERS: YES NO NFPA 13 NFPA 13R NFPA 13D
MEZZANINE: N/A YES NO

LIFE SAFETY SYSTEM REQUIREMENTS:

MEANS OF EGRESS ILLUMINATION: NO YES
EXIT SIGNS: NO YES
FIRE ALARM: NO YES
SMOKE DETECTION SYSTEM: NO YES
PANIC HARDWARE: NO YES
FIRE EXTINGUISHERS: NO YES
CARBON MONOXIDE DETECTION: NO YES

ACCESSIBILITY SCOPING REQUIREMENTS:

REQUIRED: NO YES
NOTES:

ALLOWABLE AREA:

Table with columns: STORY NO., OCC CLASS, PROPOSED BLDG. AREA PER STORY (GROSS), ALLOWABLE AREA PER STORY (NS, S1, SM)

ALLOWABLE HEIGHT:

Table with columns: BUILDING HT (FT), BUILDING HT (STORIES), PROPOSED, ALLOWABLE (NS, S), NOTES

BUILDING AREAS & OCCUPANCY LOADS:

Table with columns: AREA, FUNCTION OF SPACE, OCC. LOAD FACTOR (GROSS), PROPOSED AREA (GROSS), OCC. LOAD

EGRESS REQUIREMENTS - NUMBER AND ARRANGEMENT OF EXITS:

Table with columns: FLOOR, ROOM, OR SPACE DESIGNATION & OCC. LOAD, MINIMUM NUMBER OF EXITS, TRAVEL DISTANCE, ARRANGEMENT MEANS OF EGRESS

- 1 CORRIDOR DEAD ENDS (SECTION 1020.4)
2 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1), MULTIPLE EXITS (SECTION 1006)
3 COMMON PATH OF TRAVEL (TABLE 1006.2.1)
4 EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)
5 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION (SECTION 1007)

EGRESS REQUIREMENTS - EXIT WIDTHS:

Table with columns: FLOOR, ROOM OR SPACE DESIGNATION, OCC. LOAD, CAPACITY FACTOR REQUIRED PER OCC., REQUIRED EXIT WIDTH, PROPOSED EXIT WIDTH (EACH)

FIRE PROTECTION REQUIREMENTS:

LIFE SAFETY PLAN SHEET #, IF PROVIDED: REFER TO EGRESS PLAN

Table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET) (PER PLAN), RATING REQUIRED (TABLE 601 & 602), NOTES OR UL RATING RATED ASSEMBLY

MAXIMUM AREA OF EXTERIOR WALL OPENINGS:

Table with columns: EXTERIOR WALL, FIRE SEPARATION DISTANCE (FEET) (PER PLAN), ALLOWABLE AREA % (TABLE 705.8), PROPOSED

INTERIOR FINISHES - FLAME SPREAD RATING WALL & CEILING:

Table with columns: INTERIOR WALL & CEILING FINISH REQUIREMENTS BY OCCUPANCY (TABLE 803.3), GROUP, NON-SPRINKLERED, ALLOWED - ROOMS & ENCLOSED SPACES, PROPOSED

INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84. SUCH INTERIOR FINISHES MATERIAL SHALL BE GROUP IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD INDEX.

- 1. CLASS A : FLAME SPREAD INDEX 0-25. (VERTICAL EXITS & EXIT PASSAGEWAYS) (EXIST ACCESS CORRIDOR & OTHER EXITWAYS)
2. CLASS B : FLAME SPREAD INDEX 26-75
3. CLASS C : FLAME SPREAD 76-200. (ROOMS & ENCLOSED SPACES)

BUILDING THERMAL ENVELOPE COMPLIANCE - PRESCRIPTIVE METHOD:

Table with columns: COMPONENT / ASSEMBLY, DESCRIPTION, REQUIRED, PROPOSED, NOTES

Table with columns: VERTICAL FENESTRATION, U - FACTOR, REQUIRED, PROPOSED

MAXIMUM AREA OF VERTICAL FENESTRATION:

Table with columns: ALLOWABLE, PROPOSED, NOTES

STATEMENT OF COMPLIANCE NOTE:

AS THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THESE PLANS, I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NYS ENERGY CONSTRUCTION CODE.

AIR BARRIER NOTE:

ENTIRE BUILDING EXTERIOR ENVELOPE SHALL BE PROVIDED WITH AN AIR BARRIER COMPLYING WITH SECTION C402.5 OF THE 2020 NYSECC (WITH AMENDMENTS).

Table with columns: NO., DATE, REVISION, INT.

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DESIGNED BY: BA CHECKED BY: BAWDM
D&B ENGINEERS AND ARCHITECTS

TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

CONTRACT 2
CODE ANALYSIS
ARCHITECTURAL
PROJECT NO. 5708
DATE: AUGUST 2023
SCALE: AS NOTED
DRAWING NO. A01

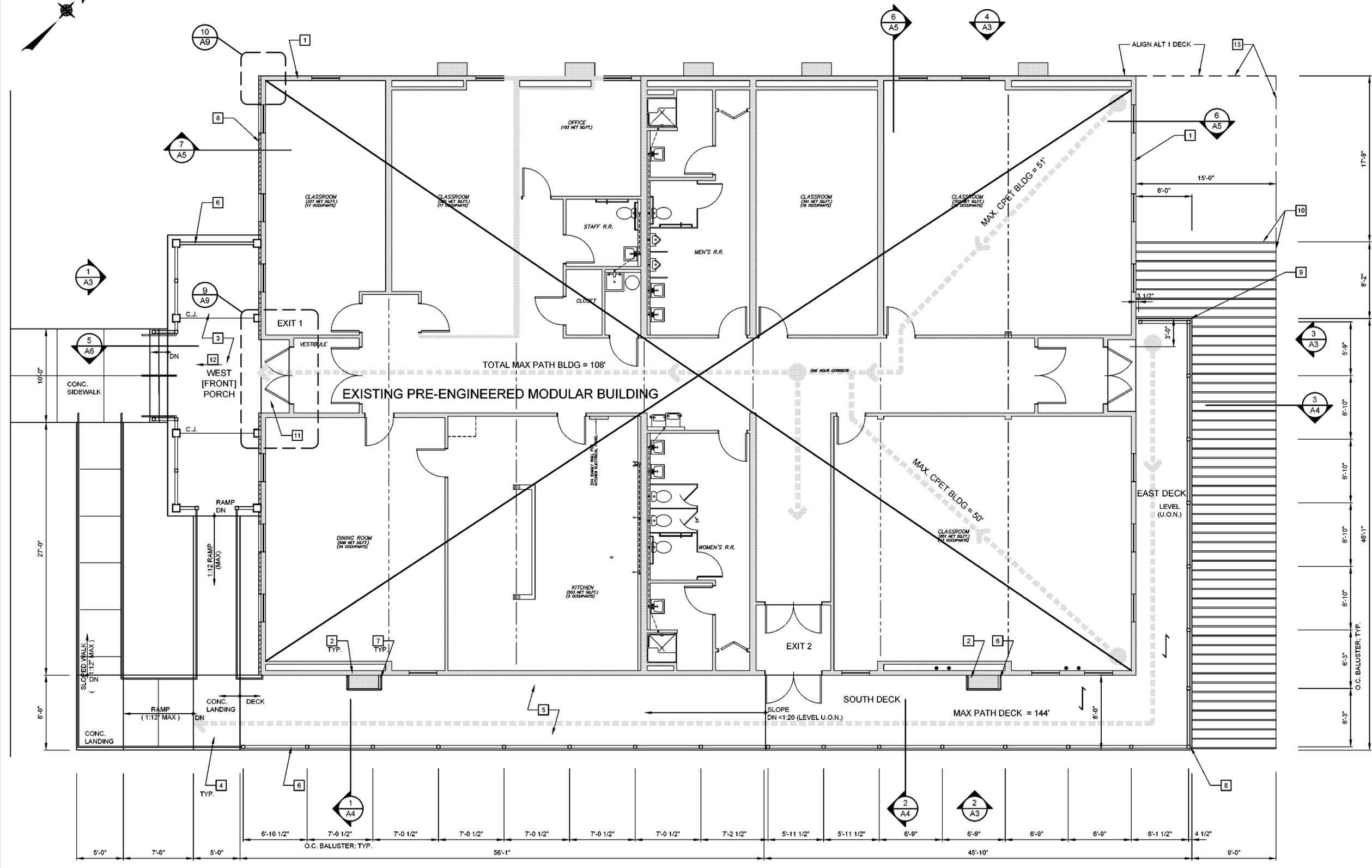


- GENERAL NOTES:**
- ALL WORK SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL CODES.
 - INSTALL DECK SYSTEM AND RAILINGS PER MANUFACTURER'S RECOMMENDATIONS AND DIRECTIVES.
 - EXISTING PRE-ENGINEERED BUILDING MANUFACTURED BY TITAN MODULAR SYSTEMS, INC.
 - SEE CIVIL DWGS FOR SIDEWALK, RAMP AND LANDING ELEVATIONS.

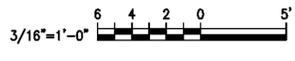
- KEY NOTES:** #
- EXISTING PRE-ENGINEERED MODULAR BUILDING w/ EXTERIOR STANDING SEAM METAL PANEL FINISH BY OTHERS (EXCEPT FOR WEST ELEVATION FINISHES).
 - EXISTING WALL-MOUNTED AIR CONDITIONING UNITS.
 - CONCRETE PORCH FLOORING AND STEPS WITH A 'BROOM' FINISH.
ADD ALTERNATE BID ITEM # 3
STAMPED CONCRETE FLOORING FINISH. MANUFACTURER: GRUTTADURIO MASONRY LLC. PATTERN: 18"x36" BLUESTONE, OR EQUAL.
 - CONC. SLOPED WALKWAYS ACCESSIBLE RAMPS AND LANDINGS WITH METAL HANDRAILS. SEE CIVIL DWGS. FOR ELEVATIONS.
 - COMPOSITE DECK; TREX (TRANSCEND) COMPOSITE DECKING. BOARD PROFILE TO BE 1" SQUARE-EDGE BOARDS INSTALLED W/ HIDDEN FASTENERS. COLOR: GRAVEL PATH. BOARDS TO BE CUT CLEAN ON BOTH ENDS A MIN. 3/16". NO SPECIAL PATTERN. BOARDS TO RUN PARALLEL TO REAR OF BUILDING.
 - TREX (TRANSCEND) COMPOSITE RAILINGS. COMPOSITE POSTS TO INCLUDE FLAT CAP AND SLEEVE SKIRT. COLOR TO BE DETERMINED. - BALUSTERS TO BE ROUND ALUMINUM IN BLACK. LOWER RAILS TO BE VINTAGE (CLASSIC WHITE) AND UPPER RAIL TO BE (CLASSIC WHITE).
 - 1 1/2" DIA. PIPE RAILINGS BELOW AIR CONDITIONERS; SEE DETAIL 1/A4.
 - THINSTONE RAINSCREEN SYSTEM FIELD APPLIED TO MODULAR BUILDING SHEATHING; SEE ELEVATIONS FOR ADDITIONAL INFORMATION.
 - EXTENT OF BASE BID DECK PLANKING AND RAILINGS UNDER CONTRACT 02 AND DEDUCT ALTERNATE 2
 - EXTENT OF BASE BID DECK SUPPORT FRAMING (FOR FUTURE DECK EXPANSION). BID ITEM 3
 - AT WEST ELEVATION / PORCH ALCOVE INSTALL 2"x2" CERAMIC TILE OVER EXIST PLYWD DECK & FLASHING; PROVIDE BULLNOSE TILE CUT IN 2" SECTIONS TO ALIGN WITH FIELD TILE. LEADING EDGE OF BULLNOSE TO BE INSTALLED AT CONCRETE SLAB EDGE. START FIELD LAYOUT WITH FULL TILES BEHIND BULLNOSE; REFER TO CERAMIC TILE SPEC FOR ADDITIONAL INFORMATION.
 - PITCH PORCH CONCRETE SLAB 1/8" : 12" TO DRAIN.
 - ADD ALTERNATE BID ITEM # 1**
EXTEND DECK TO FULL 15' DEPTH OF FRAMING. DECK AND RAILING TO ALIGN WITH NORTH WALL; SEE NOTE 20 ON DWG A3.

- EGRESS LEGEND:** SEE CODE ANALYSIS DWG A01
- REMOTE POINT
 - PATH OF TRAVEL / TRAVEL DISTANCE
 - ➔ DIRECTION OF TRAVEL

- PLAN LEGEND:**
- ▭ MODULAR BUILDING WALLS (BY OTHERS)
 - ▭ E.I.F.S. FINISH
 - ▨ THINSTONE RAINSCREEN FINISH
 - ↓ DECK PLANK DIRECTION



1 CONSTRUCTION PLAN
SCALE: 3/16" = 1'-0"



NO.	DATE	REVISION	INT.

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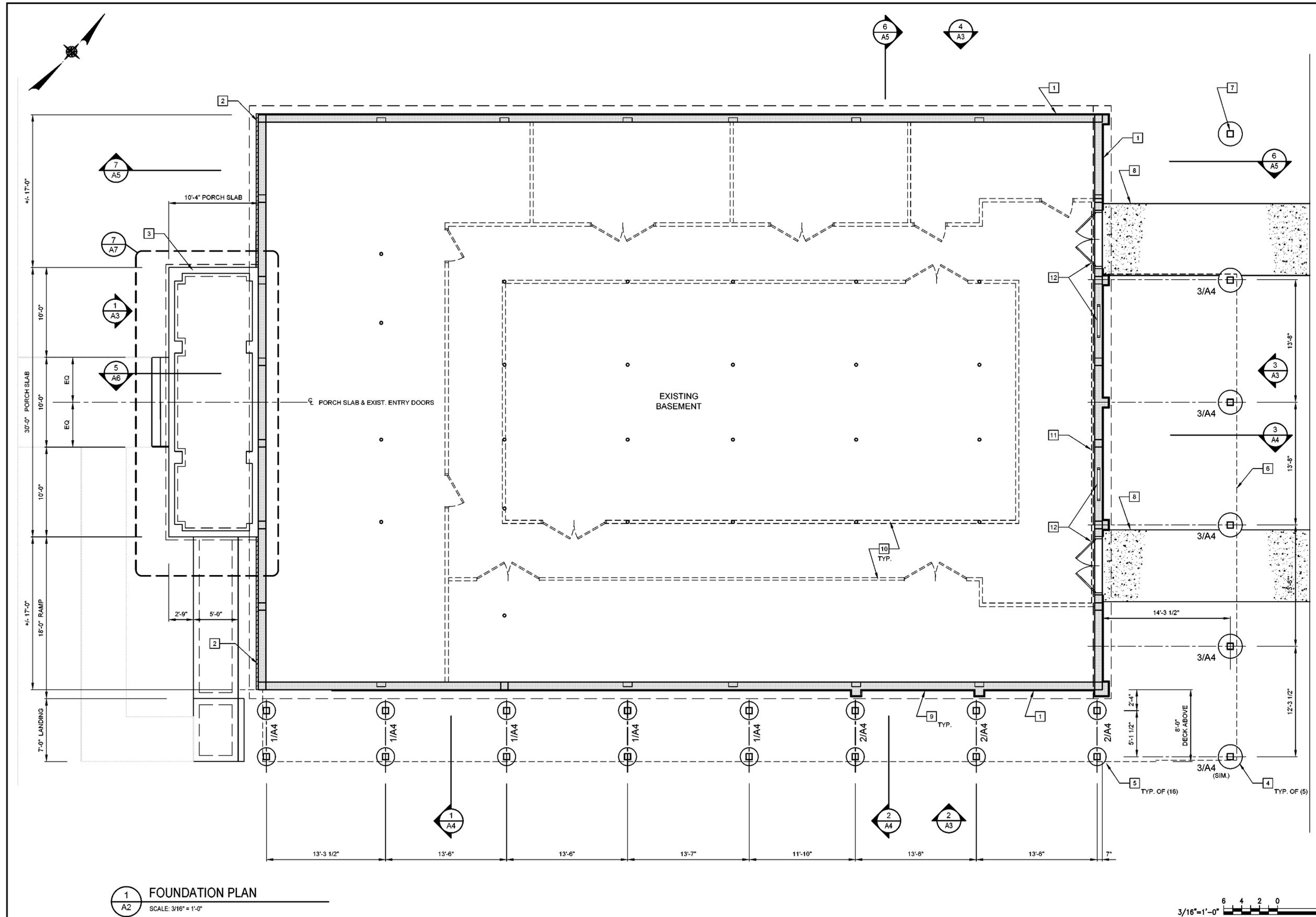


TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

CONTRACT 2
CONSTRUCTION PLAN
ARCHITECTURAL

PROJECT NO. 5708	DRAWING NO. A1
DATE: AUGUST 2023	
SCALE: AS NOTED	

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GENERAL NOTES:

- SEE SHEET A1 FOR GENERAL NOTES U.O.N.

- KEY NOTES:** #
- EIFS FINISH. SEE ELEVATION AND DETAILS FOR ADDITIONAL INFORMATION.
 - THINSTONE FINISH.
 - NEW CONCRETE PORCH FOUNDATION.
 - 30" Ø CONCRETE SONOTUBE DECK FOOTINGS TO 4'-0" BELOW GRADE W/ (4) #4 BARS VERT. W/ 3" COVER.
 - 24" Ø CONCRETE SONOTUBE DECK FOOTINGS TO 4'-0" BELOW GRADE W/ (4) #4 BARS VERT. W/ 3" COVER.
 - DECK AND FRAMING ABOVE.
 - ADD ALTERNATE BID ITEM # 1**
TYP. POST AND PIER FOR DECK.
NOTE: PIER FOR FUTURE DECK EXPANSION TO BE PROVIDED IN BASE BID.
 - CONCRETE PADS: SEE CIVIL DWGS.
 - FOUNDATION VENT / LOUVER; SEE MECH DWGS AND DETAIL 11/A9 FOR MORE INFORMATION.
 - FUTURE INTERIOR PARTITIONS AND DOORS BY OTHERS.
 - FUTURE INTERIOR FOUNDATION WALL INSULATED FURRING BY OTHERS; SEE DETAIL 6/A9
 - EXISTING FOUNDATION WALL DOORS AND WINDOWS; SEE HEAD AND JAMB DETAILS DWG A9

PLAN LEGEND:

- CONC. FOUNDATION WALLS AND COLUMNS UNDER CONTRACT 1
- E.I.F.S. FINISH
- THINSTONE RAINSCREEN FINISH

1 FOUNDATION PLAN
A2 SCALE: 3/16" = 1'-0"



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TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

LASSER PARK SENIOR CENTER

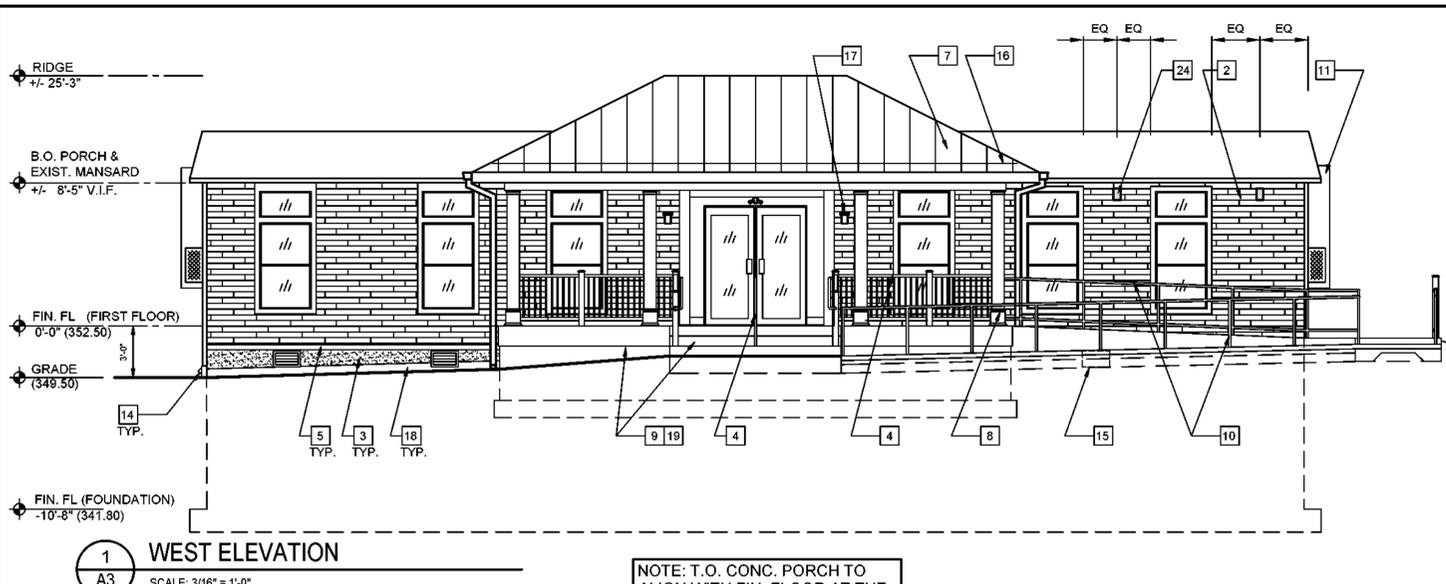
CONTRACT 2

FOUNDATION PLAN

ARCHITECTURAL

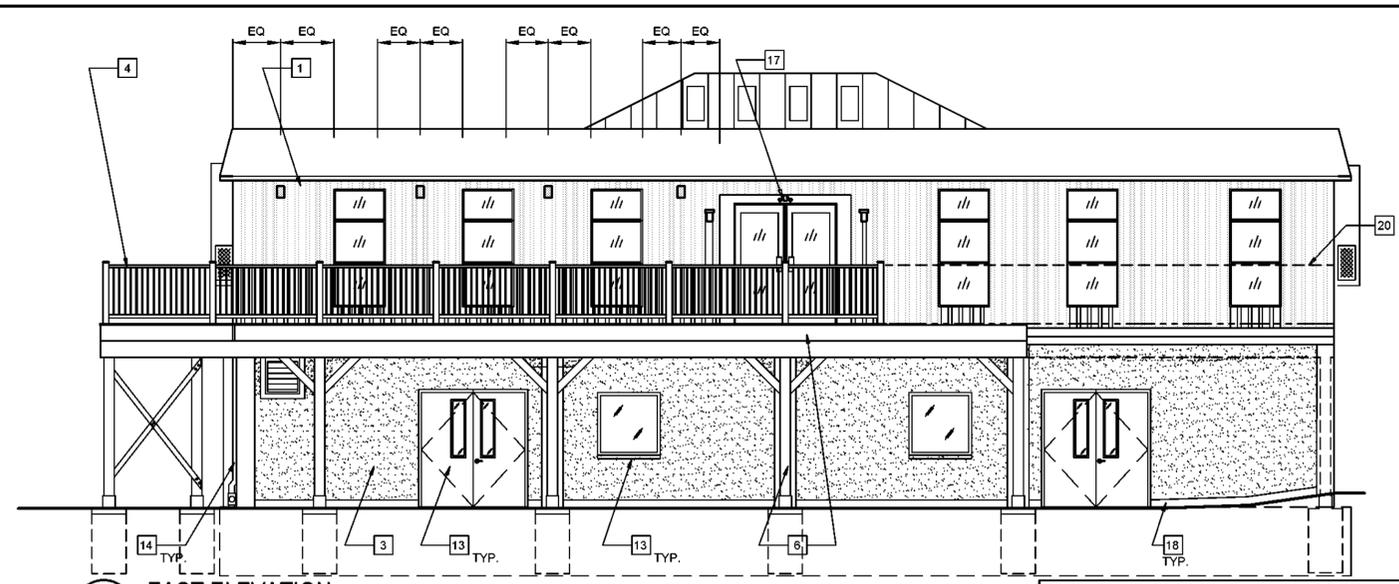
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DATE: AUGUST 2023	
SCALE: AS NOTED	

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1 WEST ELEVATION
SCALE: 3/16" = 1'-0"

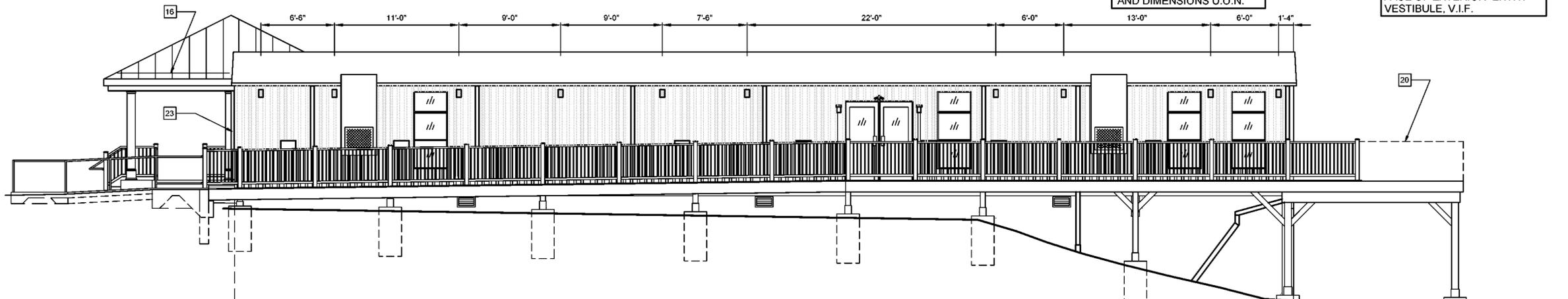
NOTE: T.O. CONC. PORCH TO ALIGN WITH FIN. FLOOR AT THE FACE OF EXTERIOR ENTRY VESTIBULE, V.I.F.



3 EAST ELEVATION
SCALE: 3/16" = 1'-0"

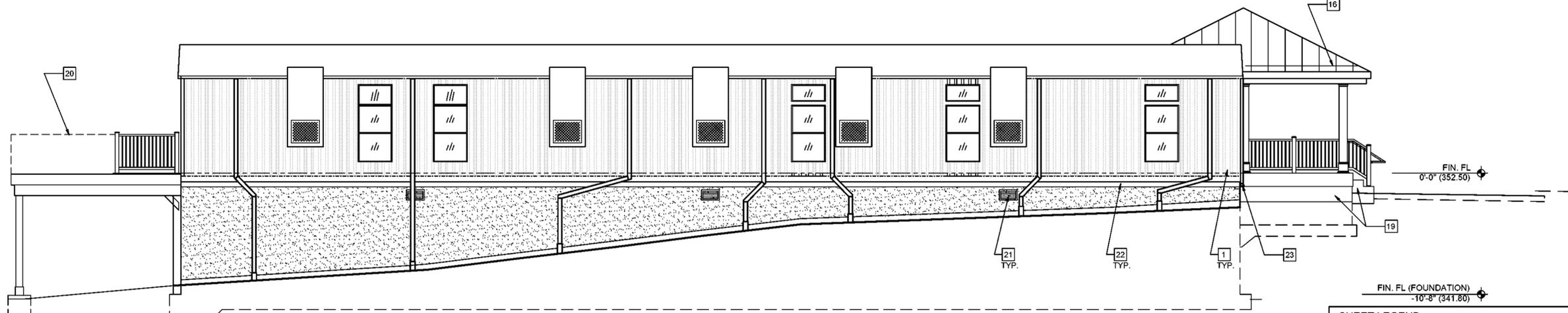
REFER TO 1/A3 FOR NOTES AND DIMENSIONS U.O.N.

NOTE: T.O. DECKING TO ALIGN WITH FIN. FLOOR AT THE FACE OF EXTERIOR ENTRY VESTIBULE, V.I.F.



2 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

REFER TO 1/A3 FOR NOTES AND DIMENSIONS U.O.N.



4 NORTH ELEVATION
SCALE: 3/16" = 1'-0"

REFER TO 1/A3 FOR NOTES AND DIMENSIONS U.O.N.

- GENERAL NOTES:**
- EXISTING MODULAR BUILDING MANUFACTURED BY TITAN MODULAR SYSTEMS, INC. EXTERIOR FINISHES (ROOFING, SIDING, TRIM, GUTTERS, DOWNSPOUTS, SOFFIT, FASCIA, AND WINDOWS AND DOORS).
 - THIN STONE SIDING, WINDOW AND DOOR TRIM, AND MAIN ENTRY RECESS FINISHES ON THE WEST ELEVATION OF THE MODULAR UNIT SHALL BE PROVIDED IN THE BASE BID AS DETAILED HEREIN.
 - VERIFY ALL EXISTING CONDITIONS IN FIELD.

- KEY NOTES:**
- EXISTING MODULAR BUILDING WITH METAL SIDING
 - CORONADO 'LEDGESTONE SERIES' PRO LEDGE HURON THIN STONE RAINSCREEN FINISH INSTALLED ON MODULAR UNIT SUBSTRATE. (WEST ELEVATION ONLY).
 - INSTALL E.I.F.S. FINISH ON CONC. FOUNDATION WALLS U.O.N.
 - TREX TRANSCEND COMPOSITE DECK RAILING SYSTEMS: + 36" H. AT FRONT PORCH (< 30" ABOVE GRADE). + 42" H. AT WOOD DECK.
 - 1x4 PVC TRIM
 - P.T. DECK FRAMING WITH TREX COMPOSITE DECK.
 - WOOD FRAMED PORCH ROOF w/ STANDING SEAM METAL ROOFING. COLOR TO MATCH BUILDING MANSARD.
 - PVC WRAPPED COLUMN ENCLOSURES. AND PORCH TRIM.
 - CONCRETE PORCH FOUNDATION, SLAB AND STEPS.
 - 1 1/2" DIA. ALUMINUM HANDRAILS AT RAMP, SLOPED SIDEWALKS, AND LANDINGS. RAMP AND DECK LANDING RAILINGS TO ALSO BE PROVIDED WITH HAVE TOE RAIL.
 - EXISTING MODULAR BUILDING AIR CONDITIONING UNIT
 - EXTERIOR AND EMERGENCY LIGHTING w/ BATTERY BACKUP; SEE ELEC DWGS
 - EXISTING BASEMENT FOUNDATION, DOORS, WINDOWS, AND VENTS.
 - EXPOSED CONC. FOUNDATION WALL AT SOUTH ELEVATION
 - FOUNDATION WALL VENT (BEYOND RAMP) WITH DEPRESSED GRADE TO CLEAR.
 - SNOW GUARDS; SIZE, SPACE AND INSTALL PER MFR RECOMMENDATIONS FOR THE PROJECT LOCATION.
 - EXISTING EXTERIOR LIGHTING; V.I.F.
 - CEMENT PARGE FINISH ON AREA BELOW E.I.F.S. TO 6" ABOVE GRADE; TYP.
 - PROVIDE 1/2" CEMENT PARGE ON PORCH BASE AND STEPS.
 - ADD ALTERNATE BID ITEM # 1**
PROVIDE FULL DEPTH / FULL LENGTH DECK AND RAILING ON EAST ELEVATION. PROVIDE ONE (1) ADDITIONAL DECK TYPICAL POST POST AND FOUNDATION AT NORTH END.
 - FOUNDATION VENT / LOUVER; SEE MECH DWGS AND DETAIL 11/A9 FOR MORE INFORMATION.
 - METAL FLASHING AND PVC TRIM; SEE TYP. FOUNDATION WALL SECTIONS DWG A5.
 - DOWNSPOUT TO SPLASHBLOCK.
 - WALL MOUNTED LIGHT FIXTURE; SEE ELEC. DWGS. B.O. FIXTURE AT 7'-4" A.F.F.

SHEET LEGEND:

	THINSTONE FINISH
	EIFS FINISH

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: AE	DRAWN BY: DB
DESIGNED BY: BA	CHECKED BY: BAWDM



TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

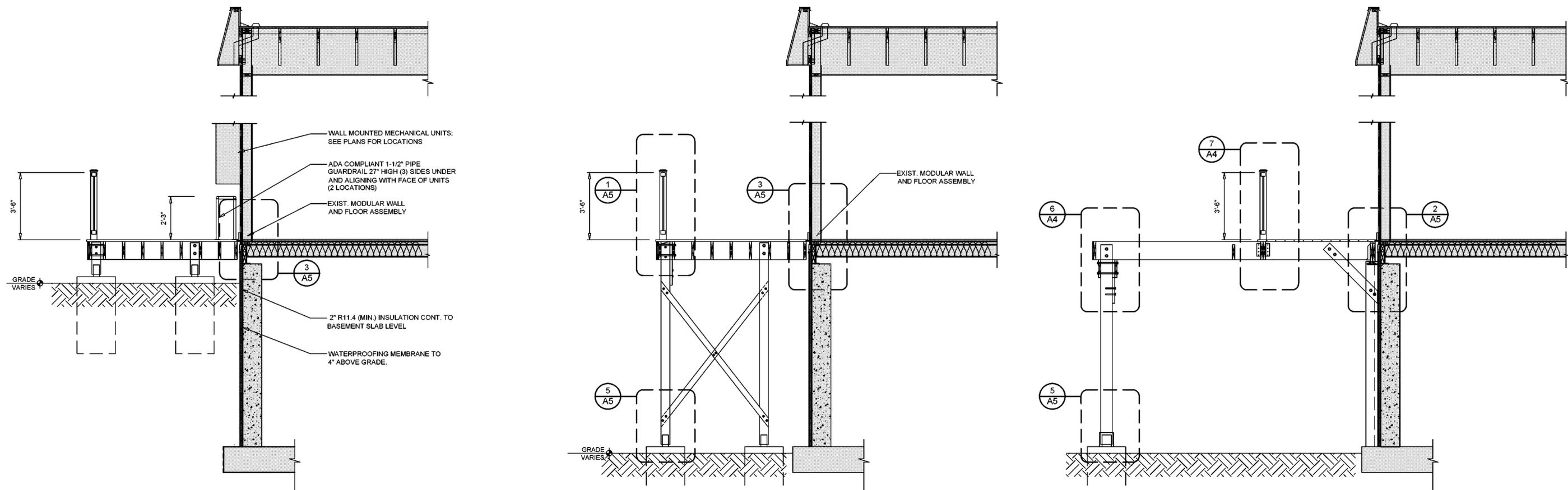
LASSER PARK SENIOR CENTER

CONTRACT 2

EXTERIOR ELEVATIONS
ARCHITECTURAL

PROJECT NO. 5708	DRAWING NO. A3
DATE: AUGUST 2023	
SCALE: AS NOTED	

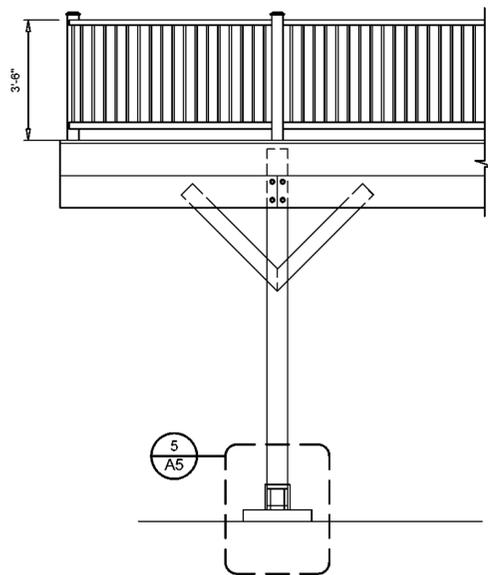
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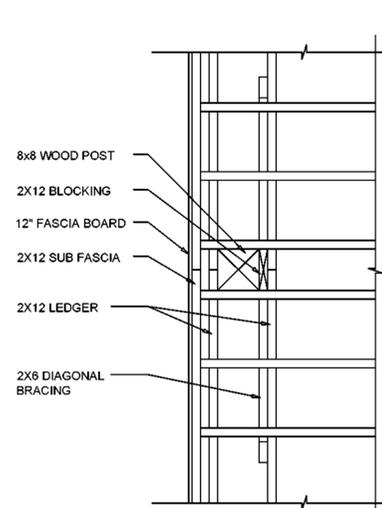
1 SOUTH DECK SECTION
A4 SCALE: 3/8" = 1'-0"

2 SOUTH DECK SECTION
A4 SCALE: 3/8" = 1'-0"

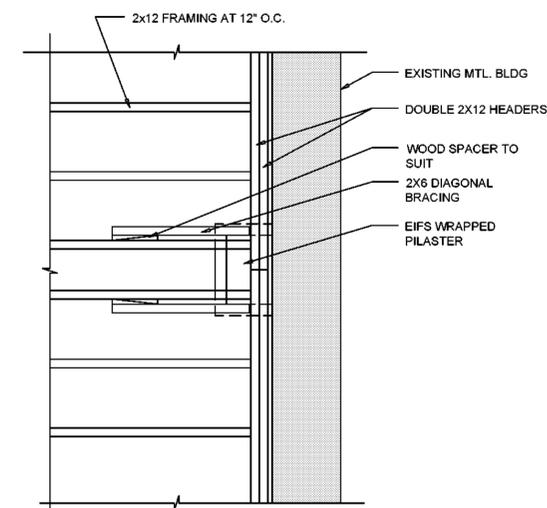
3 EAST DECK SECTION
A4 SCALE: 3/8" = 1'-0"



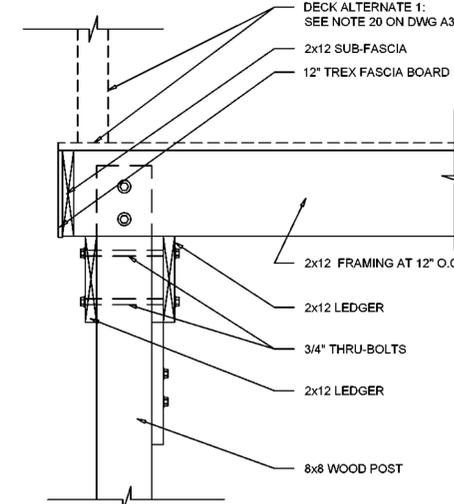
4 EAST DECK ELEVATION DETAIL
A4 SCALE: 3/8" = 1'-0"



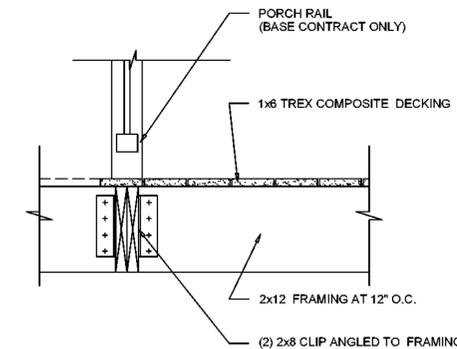
5 DECK FRAMING PLAN DETAIL
A4 SCALE: 3/4" = 1'-0"



NOTE: ALL WOOD FRAMING TO BE SOUTHERN YELLOW PINE OR PRESSURE TREATED



6 EAST DECK SECTION
A7 SCALE: 1" = 1'-0"



7 EAST DECK SECTION
A7 SCALE: 1" = 1'-0"

LEGEND:	
	MODULAR BUILDING (BY OTHERS) AND CONTRACT 1 FOUNDATION (EXISTING)

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: AE	DRAWN BY: DB
DESIGNED BY: BA	CHECKED BY: BA/WDM

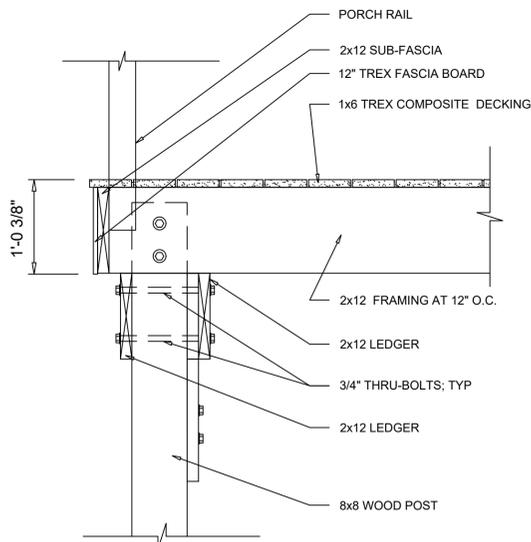


TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

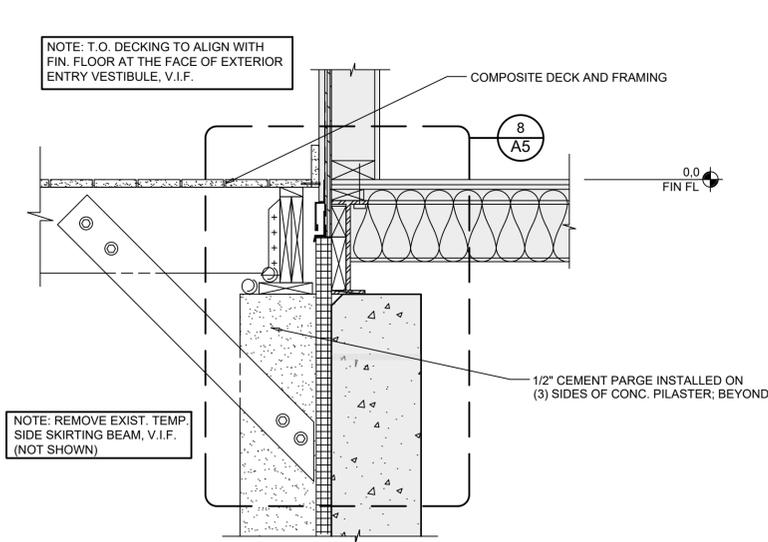
CONTRACT 2
SECTIONS AND DETAILS
ARCHITECTURAL

PROJECT NO. 5708	DRAWING NO. A4
DATE: AUGUST 2023	
SCALE: AS NOTED	

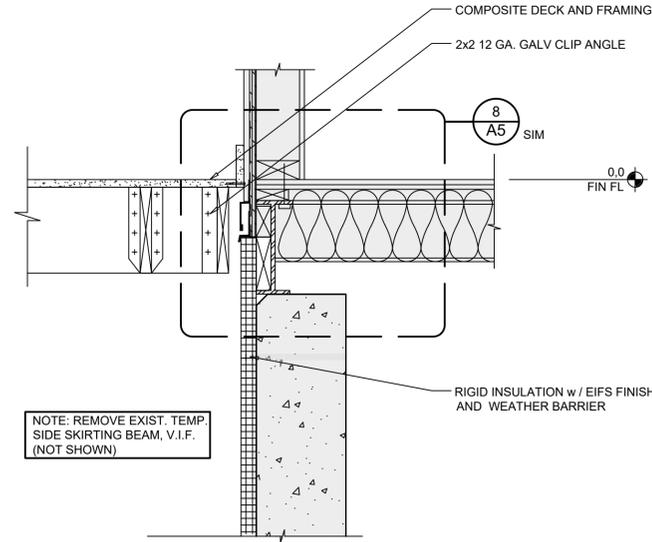
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1 DECK FRAMING SECTION
A5 SCALE: 1" = 1'-0"

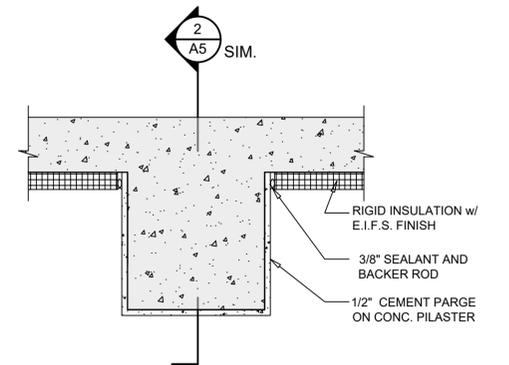


2 DECK FRAMING SECTION
A5 SCALE: 1" = 1'-0"



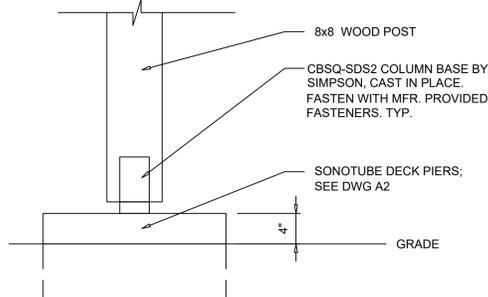
3 DECK FRAMING SECTION
A5 SCALE: 1" = 1'-0"

REFER TO 8/A5 FOR NOTES AND DIMENSIONS U.O.N.

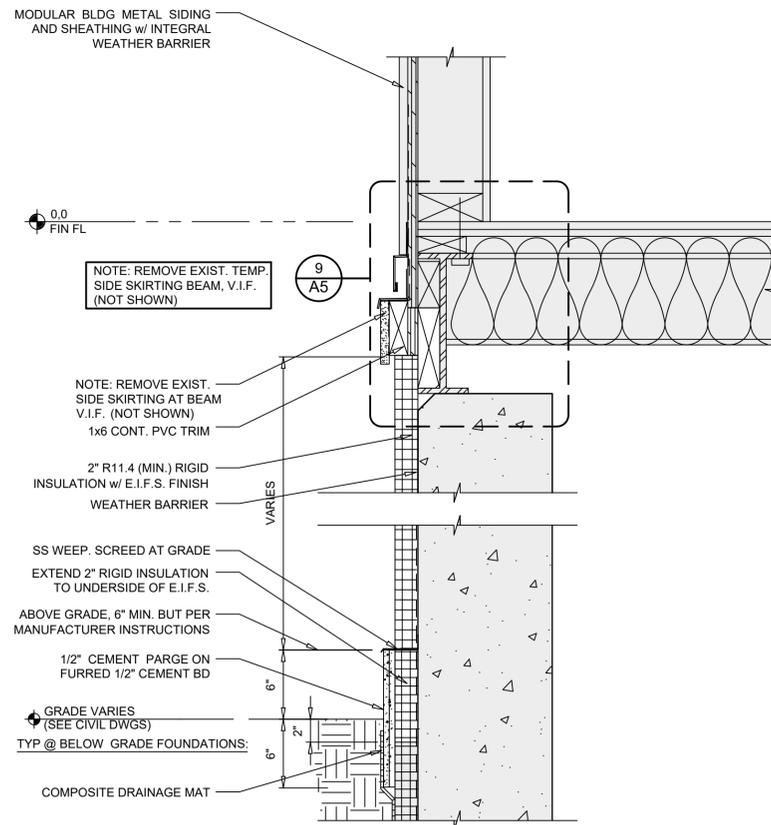


4 TYP. CONCRETE PILASTER PLAN
A5 SCALE: 1-1/2" = 1'-0"

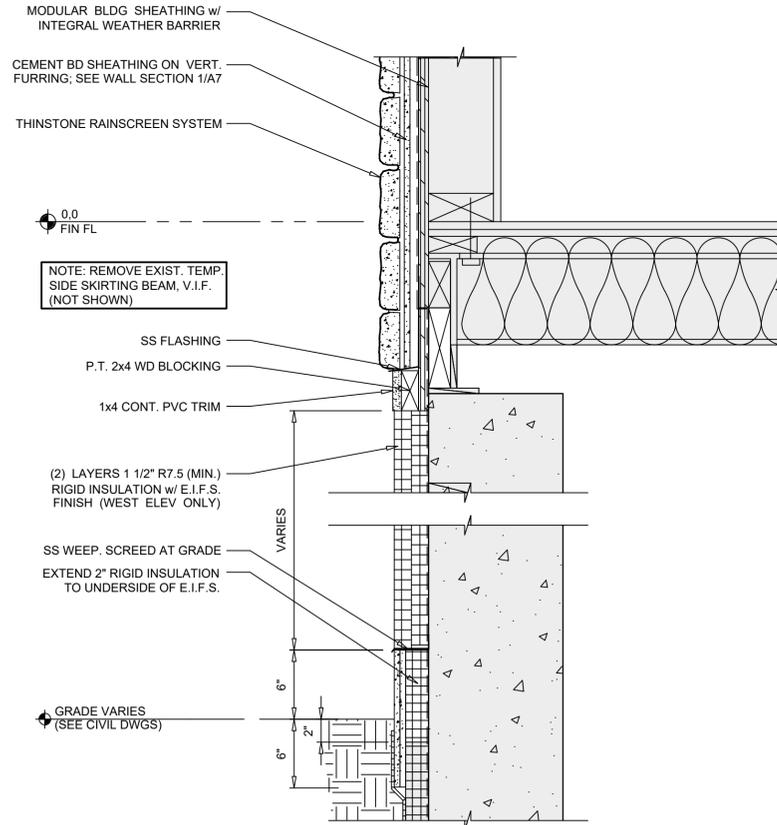
REFER TO 6/A5 FOR NOTES AND DIMENSIONS U.O.N.



5 DECK FRAMING POST DETAIL
A5 SCALE: 1" = 1'-0"

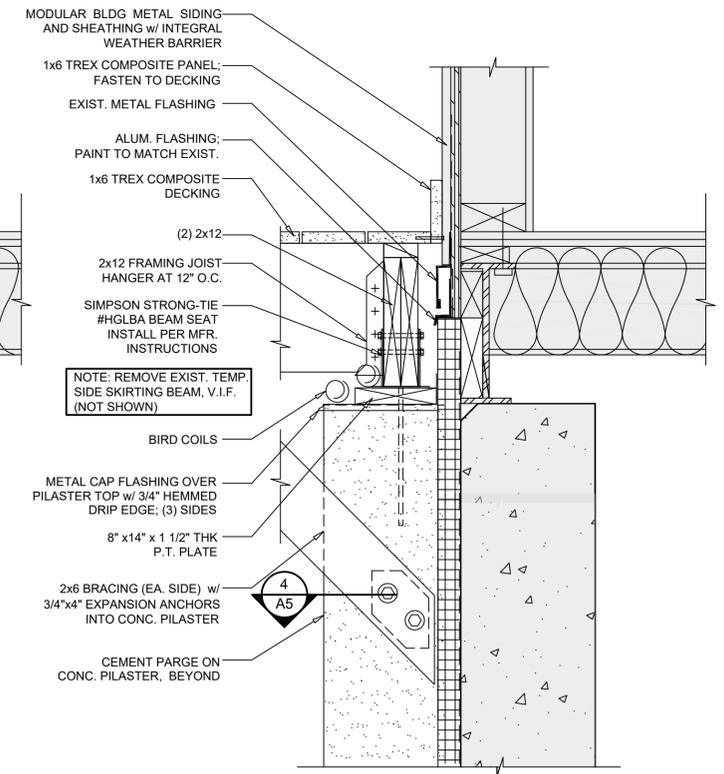


6 TYP. SECTION @ FOUNDATION WALL
A5 SCALE: 1-1/2" = 1'-0"



7 SECTION @ THINSTONE WALL FINISH
A5 SCALE: 1-1/2" = 1'-0"

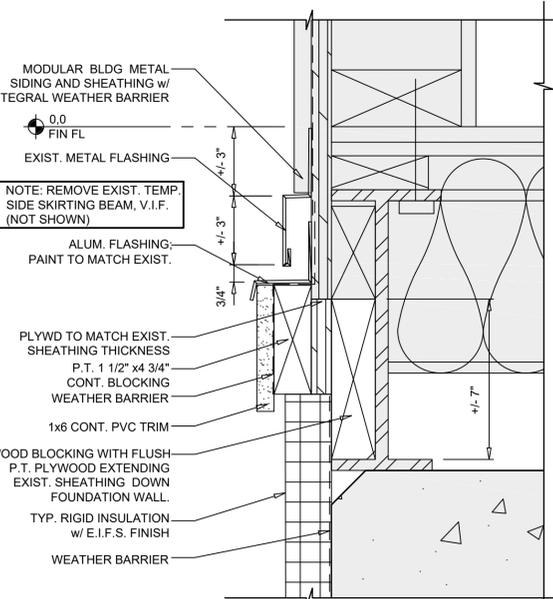
REFER TO 6/A5 FOR NOTES AND DIMENSIONS U.O.N.



8 TYP. SECTION @ FOUNDATION WALL AND DECK FRAMING AT CONC. PILASTER
A5 SCALE: 1-1/2" = 1'-0"

LEGEND:

 MODULAR BUILDING (BY OTHERS) AND CONTRACT 1 FOUNDATION (EXISTING)



9 TYP. SECTION @ FOUNDATION WALL
A5 SCALE: 3" = 1'-0"

NO.	DATE	REVISION	INT.

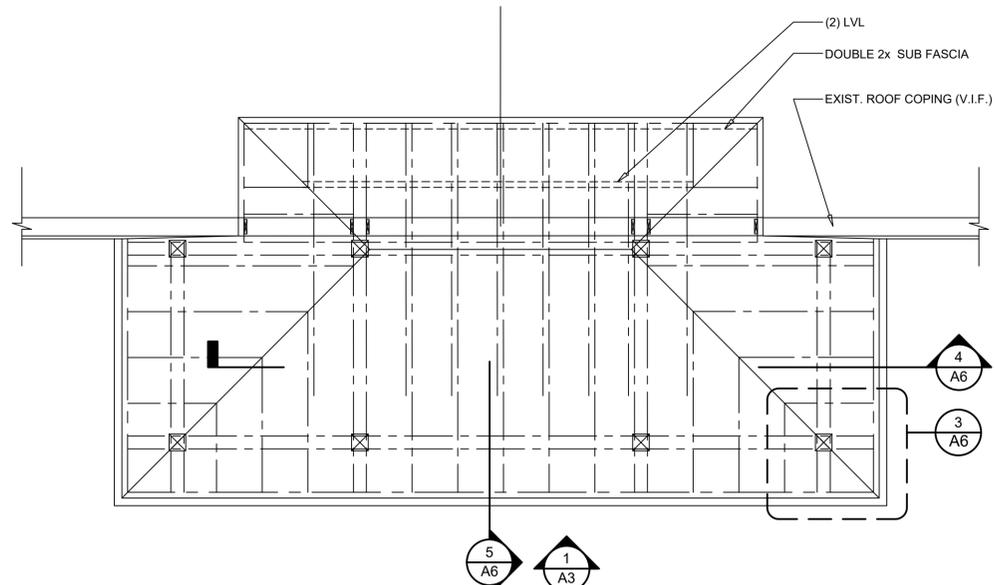
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PROJECT ENGINEER: AE	DRAWN BY: DB
DESIGNED BY: BA	CHECKED BY: BAWDM



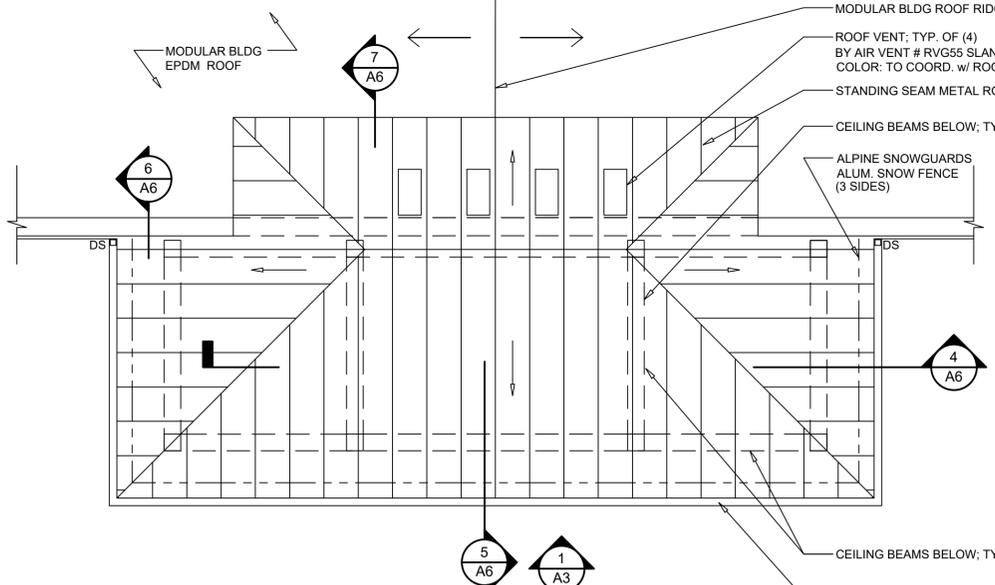
TOWN OF BLOOMING GROVE	
ORANGE COUNTY	NEW YORK
LASSER PARK SENIOR CENTER	

CONTRACT 2	
SECTIONS AND DETAILS	
ARCHITECTURAL	

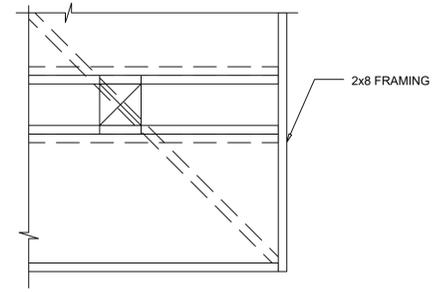
PROJECT NO. 5708	DRAWING NO. A5
DATE: AUGUST 2023	SCALE: AS NOTED



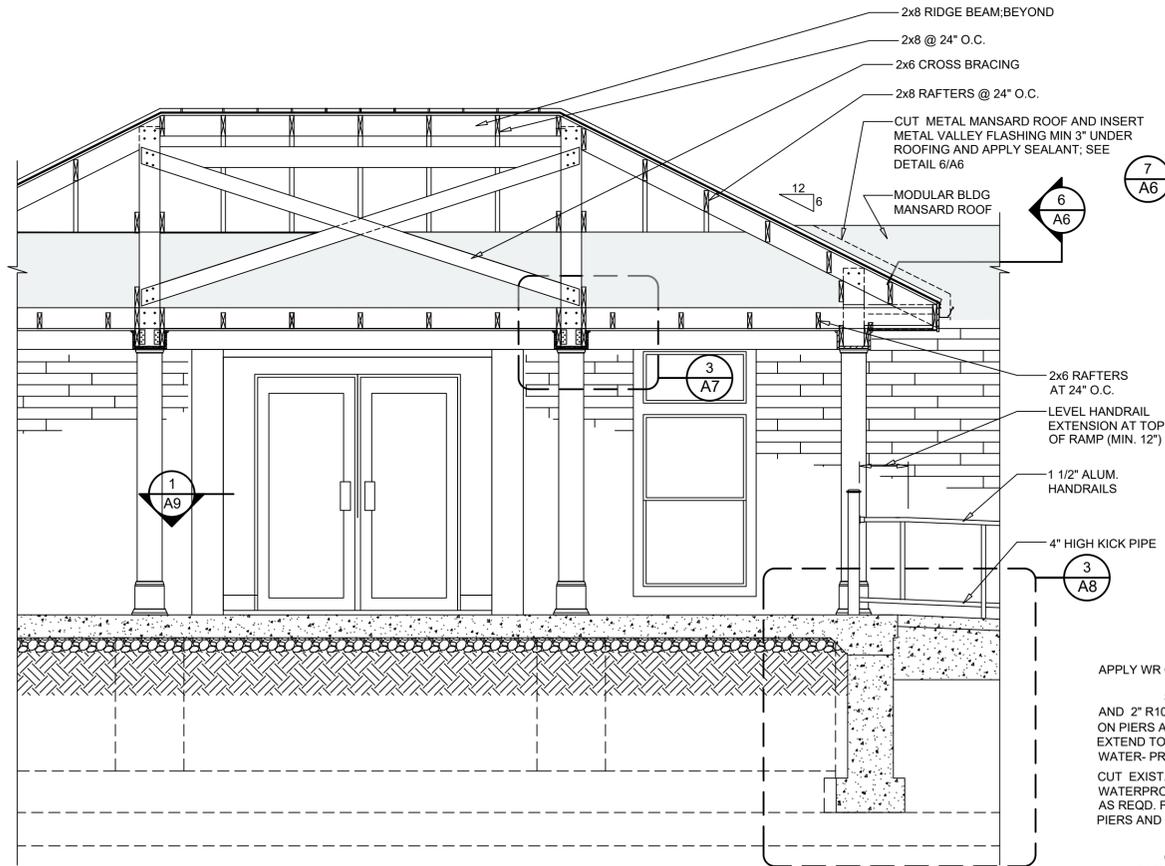
1 PORCH ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



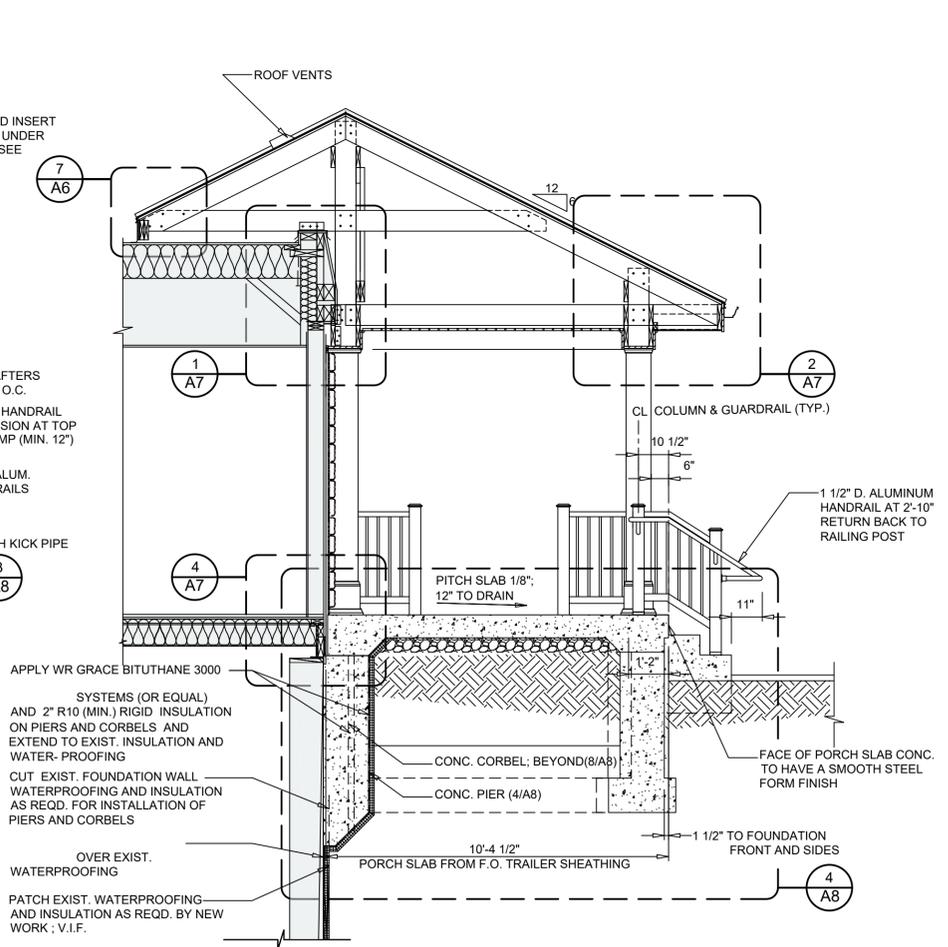
2 PORCH ROOF PLAN
SCALE: 1/4" = 1'-0"



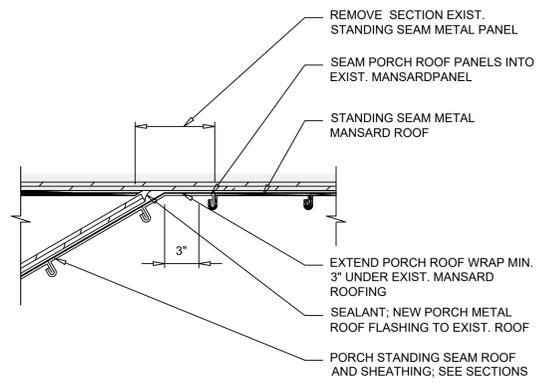
3 ROOF CORNER FRAMING DETAIL
SCALE: 3/4" = 1'-0"



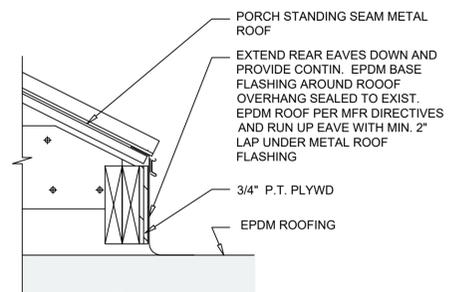
4 PORCH ROOF LONGITUDINAL SECTION
SCALE: 3/8" = 1'-0"



5 PORCH / PORCH ROOF TRANSVERSE SECTION
SCALE: 3/8" = 1'-0"



6 ROOF MANSARD VALLEY PLAN SECTION
SCALE: 1-1/2" = 1'-0"



7 PORCH ROOF EAVE DETAIL
SCALE: 1-1/2" = 1'-0"

LEGEND:

	MODULAR BUILDING (BY OTHERS) AND CONTRACT 1 FOUNDATION (EXISTING)
--	---

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: AE	DRAWN BY: DB
DESIGNED BY: BA	CHECKED BY: BAWDM

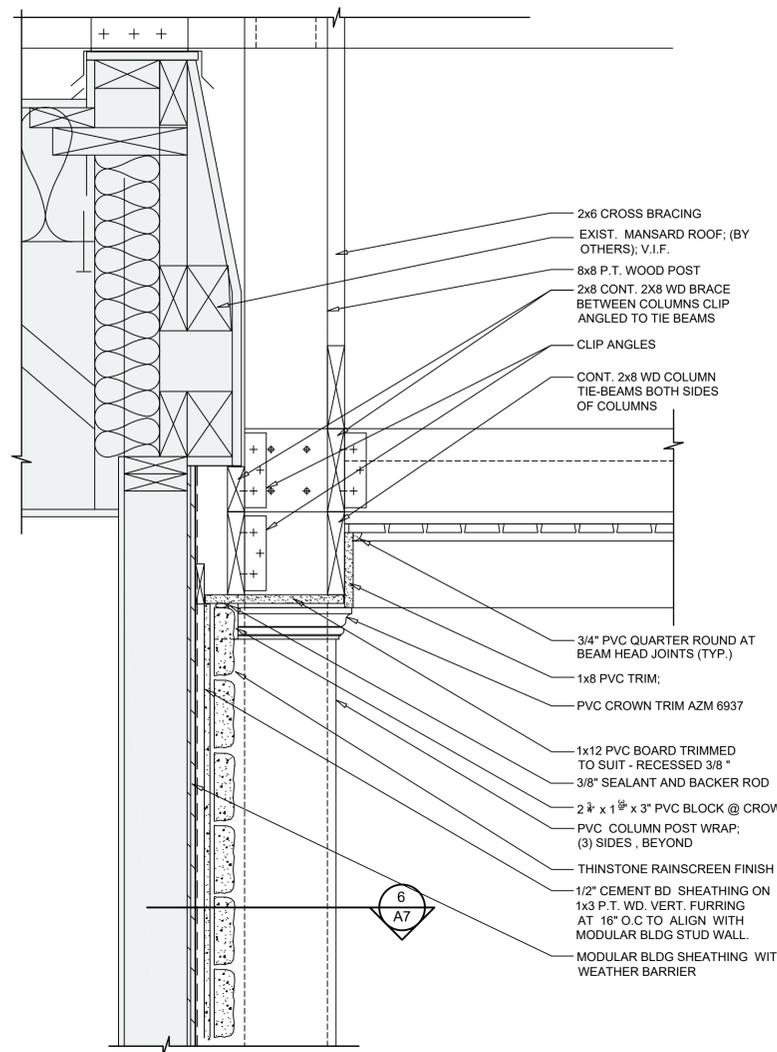


TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

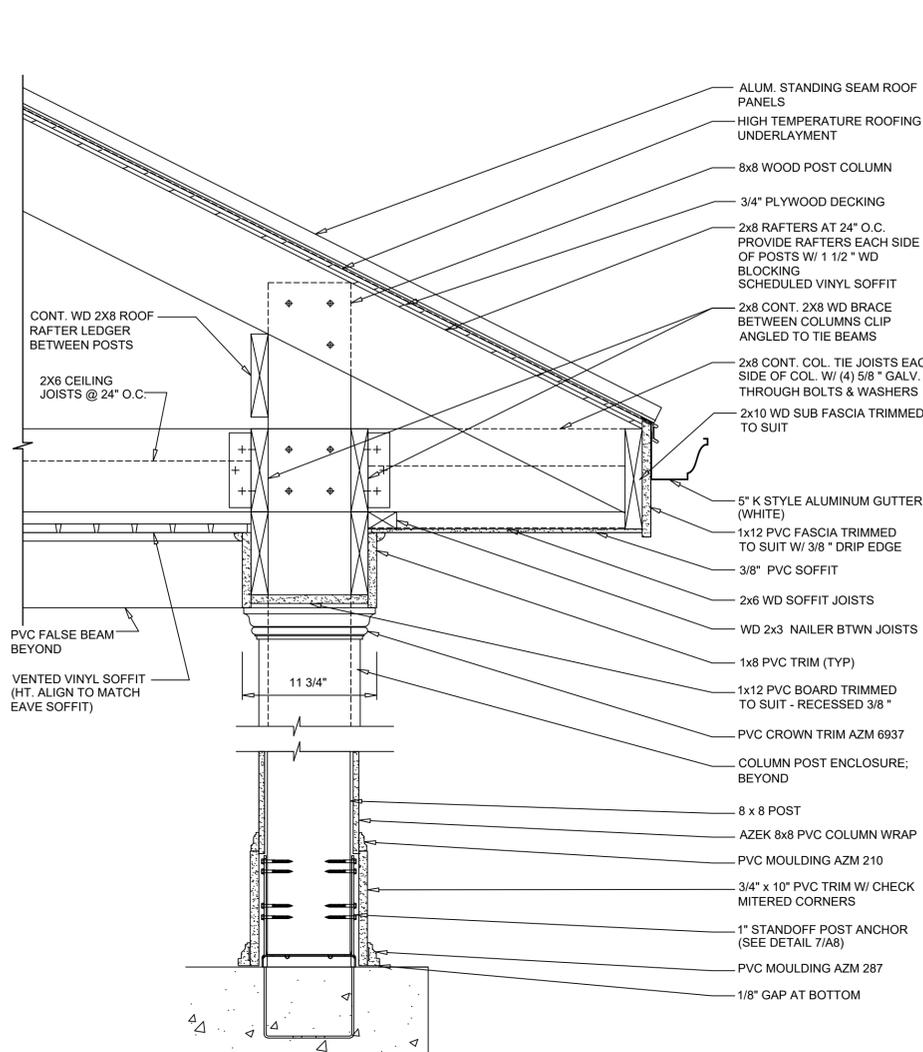
CONTRACT 2
SECTIONS AND DETAILS
ARCHITECTURAL

PROJECT NO. 5708	DRAWING NO. A6
DATE: AUGUST 2023	
SCALE: AS NOTED	

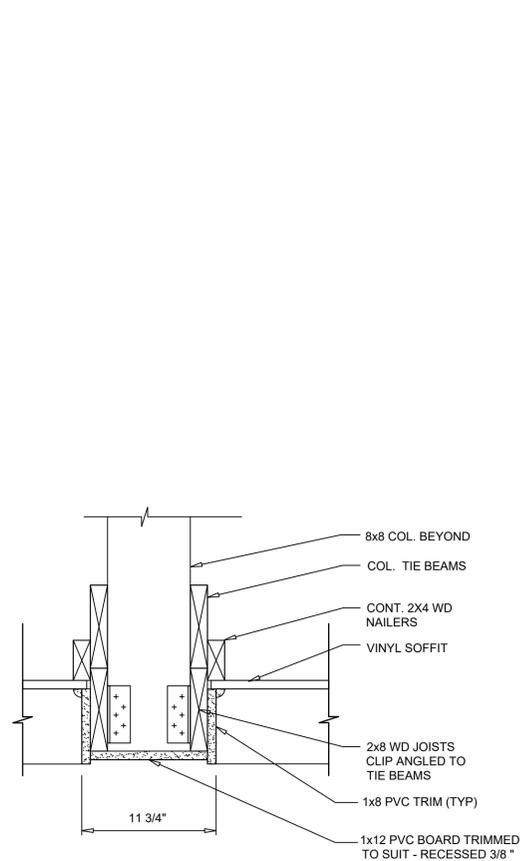
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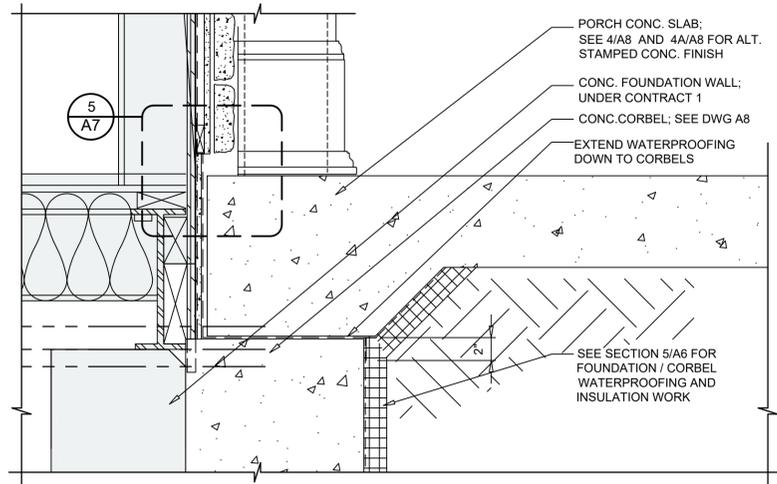
1 WEST ELEVATION WALL SECTION
 SCALE: 1-1/2" = 1'-0"
 REFER TO 2/A7 FOR NOTES AND DIMENSIONS U.O.N.



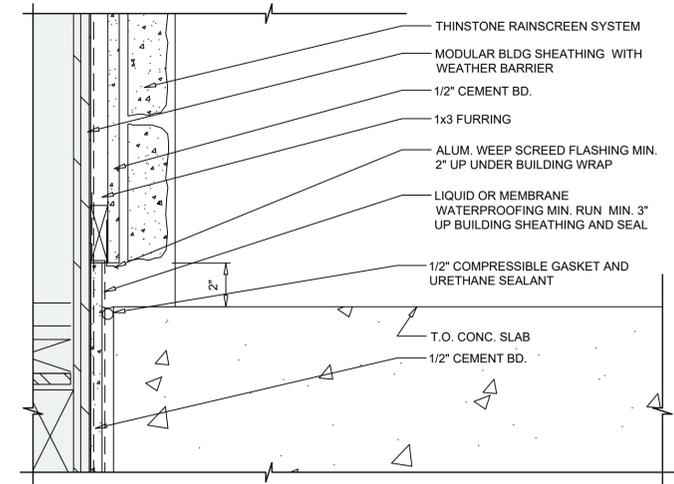
2 PORCH / ROOF EAVE & BASE SECTION
 SCALE: 1-1/2" = 1'-0"



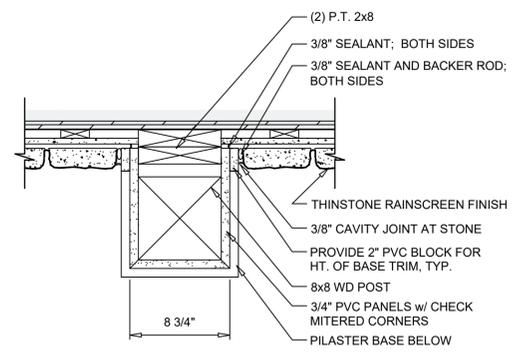
3 CEILING FALSE BEAM SECTION
 SCALE: 1-1/2" = 1'-0"
 REFER TO 2/A7 FOR NOTES AND DIMENSIONS U.O.N.



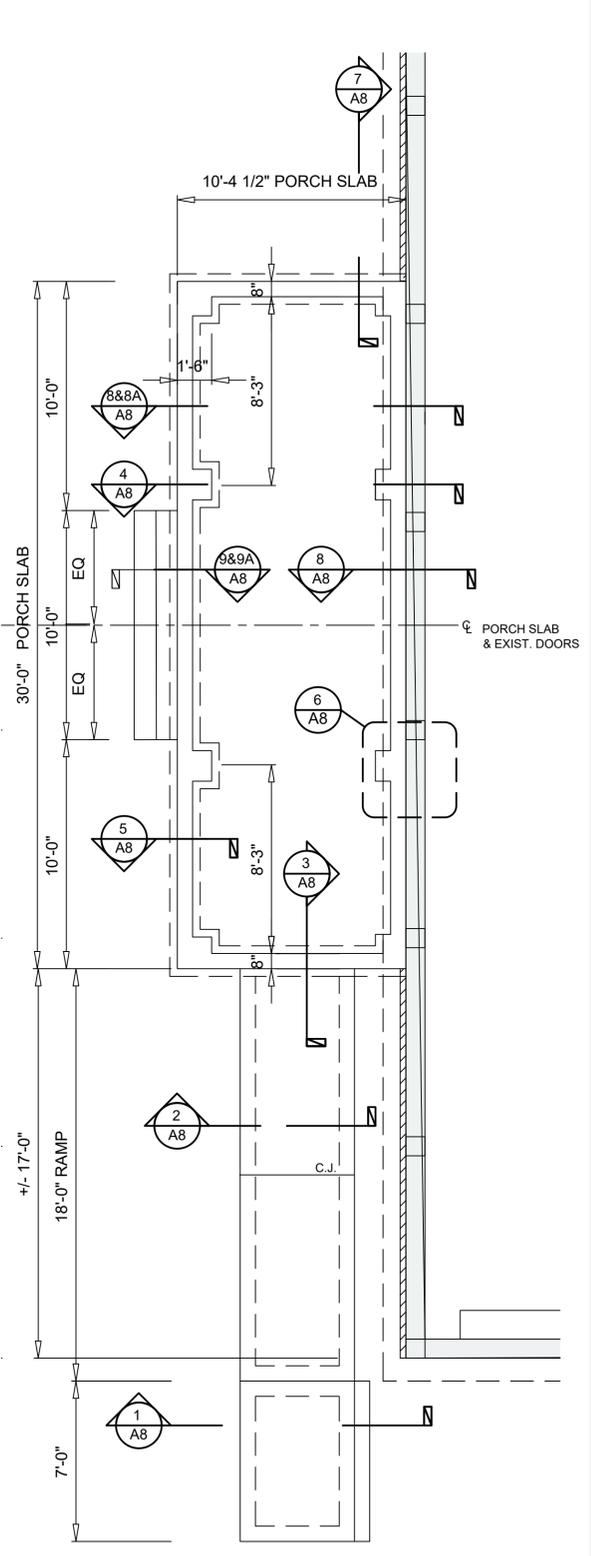
4 WEST ELEVATION BASE WALL SECTION
 SCALE: 1-1/2" = 1'-0"
 REFER TO 1/A7 FOR NOTES AND DIMENSIONS U.O.N.



5 THINSTONE BASE DETAIL
 SCALE: 1-1/2" = 1'-0"
 REFER TO 1/A7 FOR NOTES AND DIMENSIONS U.O.N.



6 PORCH PILASTER PLAN DETAIL
 SCALE: 1-1/2" = 1'-0"
 REFER TO 1/A7 FOR NOTES AND DIMENSIONS U.O.N.



7 ENLARGED PORCH FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"

LEGEND:

	MODULAR BUILDING (BY OTHERS) AND CONTRACT 1 FOUNDATION (EXISTING)
--	---

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DESIGNED BY: BA	CHECKED BY: BAWDM

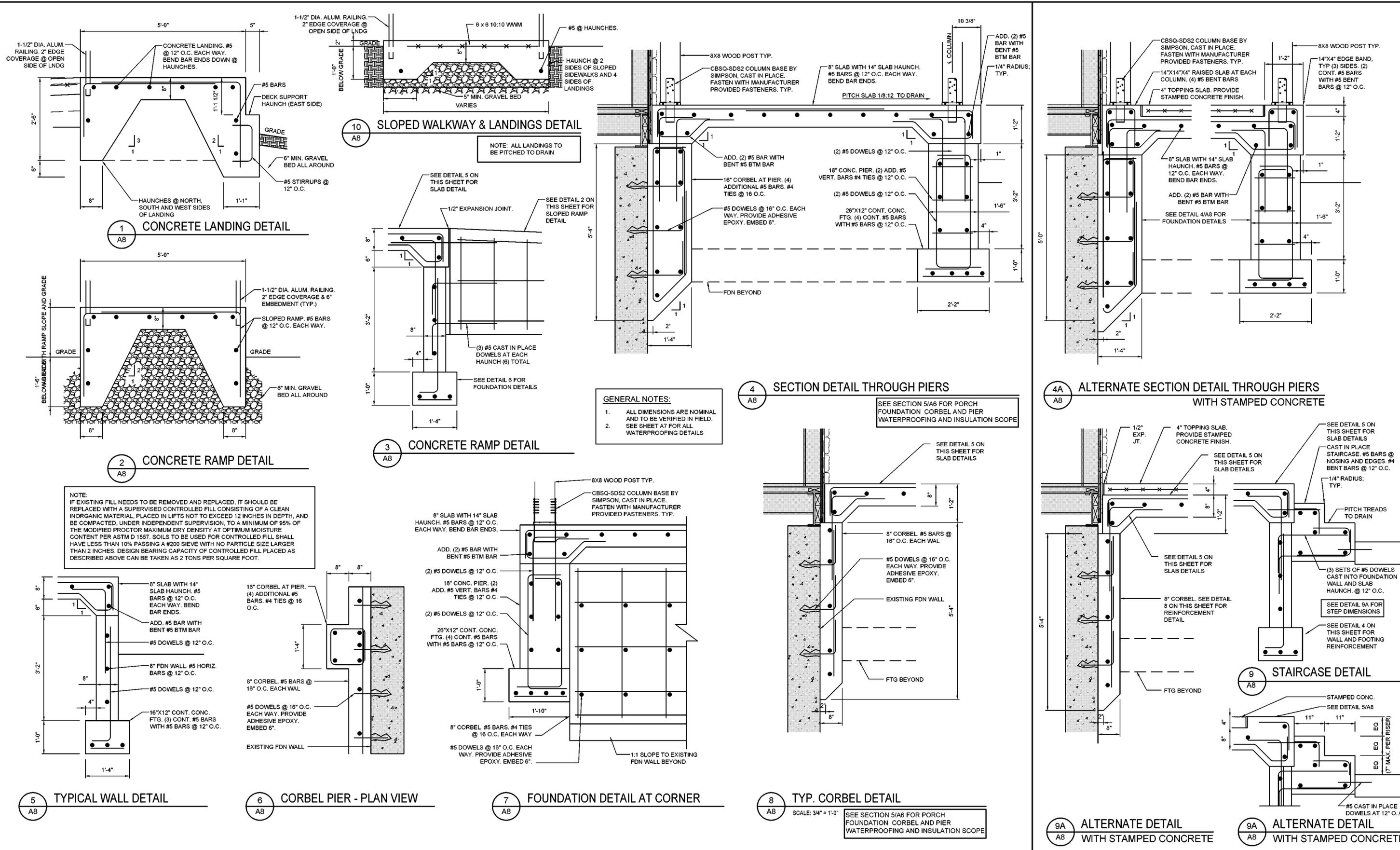


TOWN OF BLOOMING GROVE
 ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

CONTRACT 2
SECTIONS AND DETAILS
 ARCHITECTURAL

PROJECT NO. 5708	DRAWING NO. A7
DATE: AUGUST 2023	SCALE: AS NOTED

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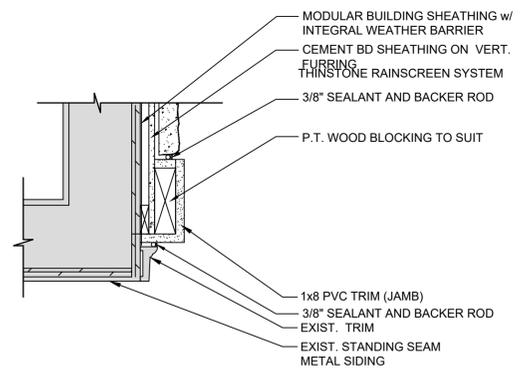


GENERAL NOTES:
 1. ALL DIMENSIONS ARE NOMINAL AND TO BE VERIFIED IN FIELD.
 2. SEE SHEET A7 FOR ALL WATERPROOFING DETAILS.

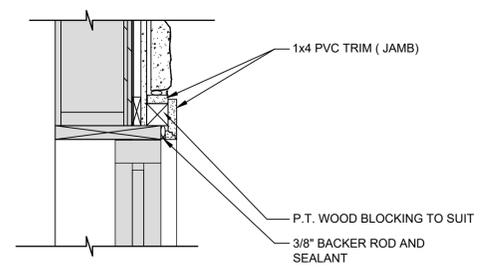
SEE SECTION 5/A6 FOR PORCH FOUNDATION CORBEL AND PIER WATERPROOFING AND INSULATION SCOPE

TOWN OF BLOOMING GROVE ORANGE COUNTY NEW YORK		CONTRACT 2 FOUNDATION DETAILS STRUCTURAL	PROJECT NO. 5708 DATE: AUGUST 2023 SCALE: AS NOTED	DRAWING NO. A8
D&B ENGINEERS AND ARCHITECTS PROJECT ENGINEER: AE DRAWN BY: DB DESIGNED BY: BA CHECKED BY: BA/WDM		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.		

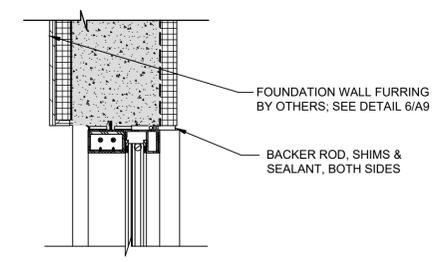
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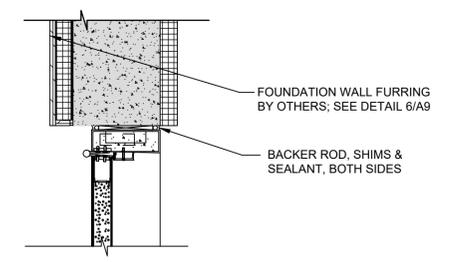
1
A9
WEST ELEVATION
ENTRY VESTIBULE JAMB
SCALE: 1-1/2" = 1'-0"
REFER TO 1/A7 FOR NOTES AND DIMENSIONS U.O.N.



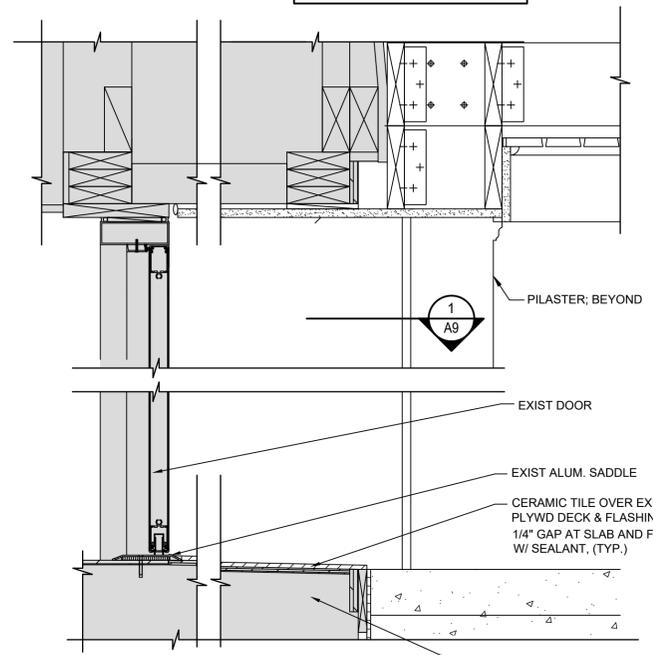
3
A9
WEST ELEVATION
WINDOW JAMB
SCALE: 1-1/2" = 1'-0"
REFER TO 1/A9 FOR NOTES AND DIMENSIONS U.O.N.



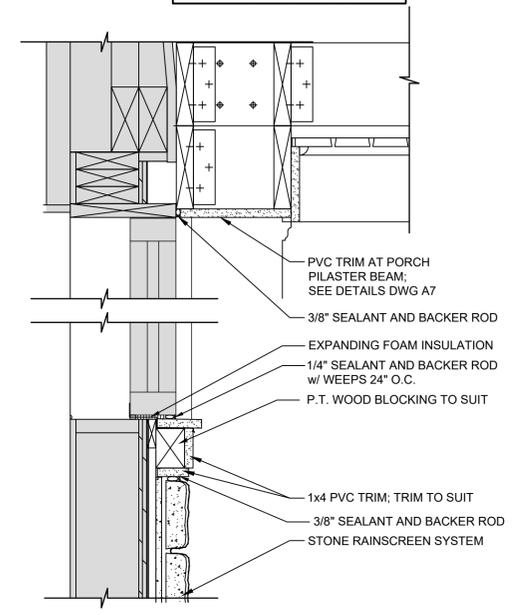
5
A9
EAST ELEVATION
WINDOW JAMB
SCALE: 1-1/2" = 1'-0"



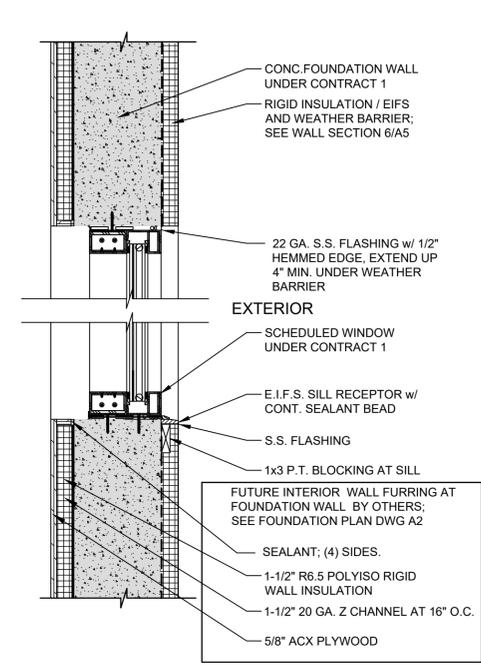
7
A9
EAST ELEVATION
DOOR JAMB (EXTERIOR)
SCALE: 1-1/2" = 1'-0"



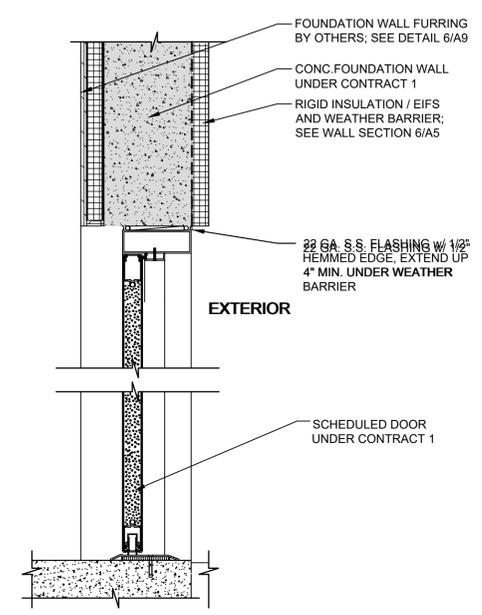
2
A9
WEST ELEVATION
ENTRY VESTIBULE SECTION
SCALE: 1-1/2" = 1'-0"



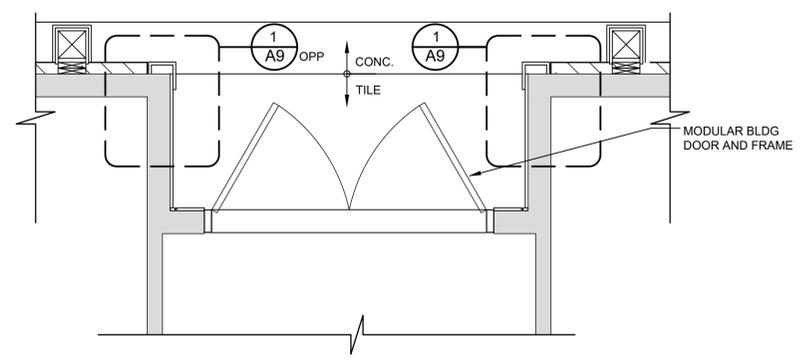
4
A9
WEST ELEVATION
WINDOW HEAD AND SILL
SCALE: 1-1/2" = 1'-0"



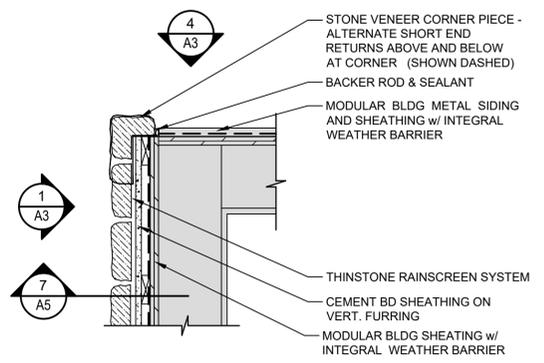
6
A9
EAST ELEVATION
WINDOW HEAD AND SILL
SCALE: 1-1/2" = 1'-0"



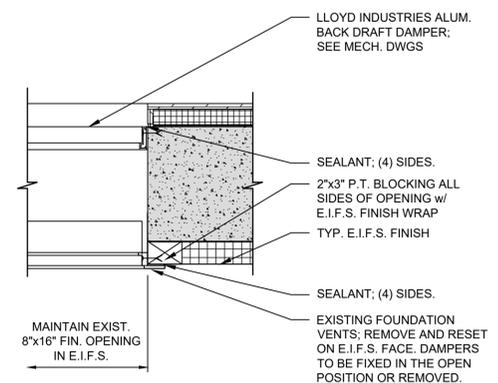
8
A9
EAST ELEVATION
DOOR HEAD AND THRESHOLD
SCALE: 1-1/2" = 1'-0"



9
A9
WEST ELEVATION
ENTRY VESTIBULE PLAN
SCALE: 1/2" = 1'-0"



10
A9
WEST ELEVATION
PLAN SECTION
SCALE: 1-1/2" = 1'-0"
REFER TO 1/A7 FOR NOTES AND DIMENSIONS U.O.N.



11
A9
LOUVER OPENING JAMB
SCALE: 1-1/2" = 1'-0"

LEGEND:

	MODULAR BUILDING (BY OTHERS) AND CONTRACT 1 FOUNDATION (EXISTING)
--	---

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PROJECT ENGINEER: **AE**
DESIGNED BY: **MMD**

DRAWN BY: **MMD**
CHECKED BY: **MMD**



TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

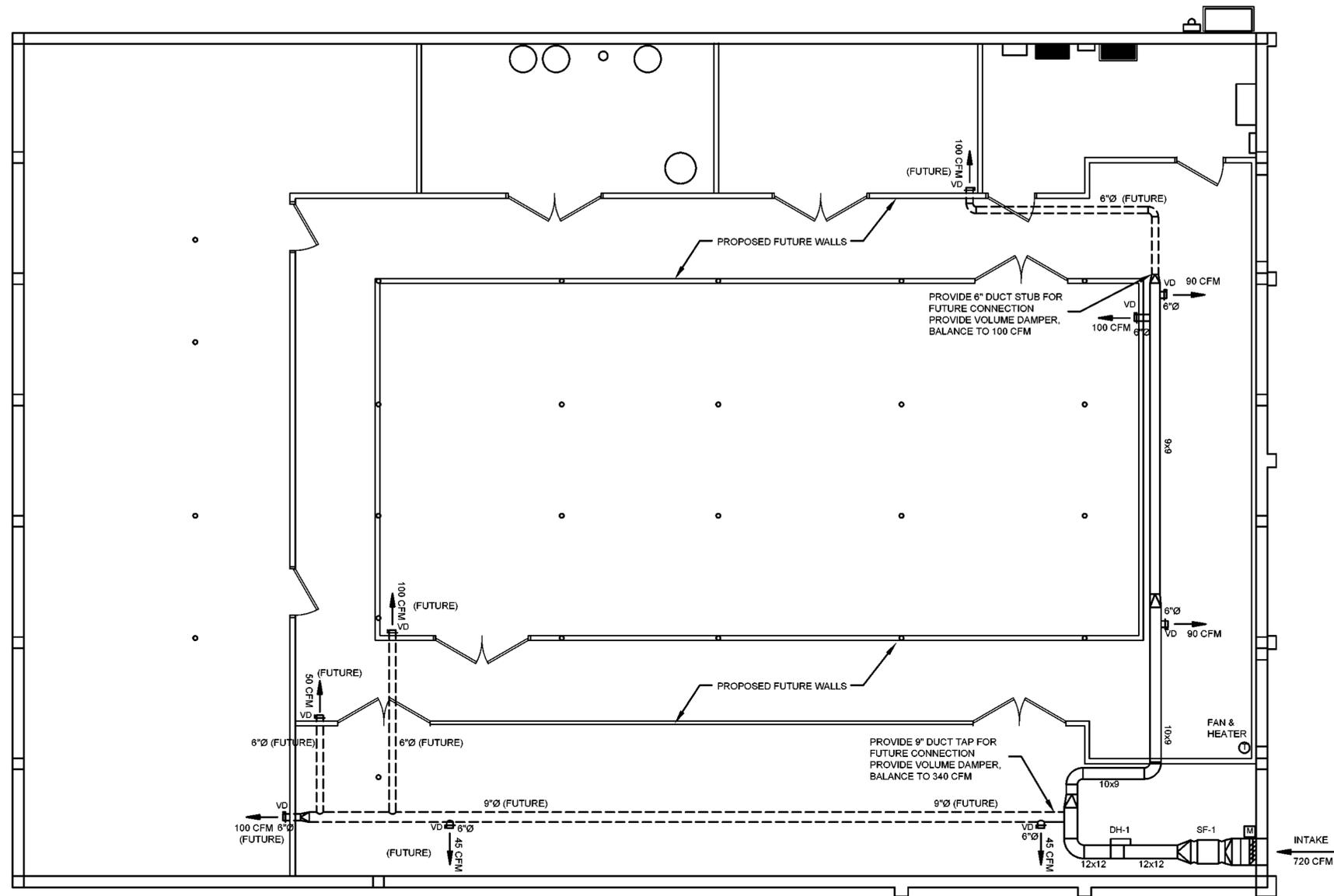
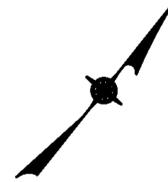
LASSER PARK SENIOR CENTER

CONTRACT 2

SECTIONS AND DETAILS
ARCHITECTURAL

PROJECT NO. 5708	DRAWING NO. A9
DATE: AUGUST 2023	
SCALE: AS NOTED	

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MECHANICAL - NEW WORK GENERAL NOTES

- DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
- PROVIDE PROPER ACCESS TO MATERIALS AND EQUIPMENT THAT REQUIRE INSPECTION, REPLACEMENT, REPAIR OR SERVICE SUCH AS COILS, DAMPERS, HEATERS, VALVES, ETC.
- MAINTAIN MAXIMUM HEADROOM AT ALL TIMES. ALL PIPING TO BE INSTALLED AS HIGH AS POSSIBLE. ALL DUCTWORK SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO WALL AND UNDERSIDE OF MATELINE BEAMS.
- CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND RESTARTING SYSTEMS, INCLUDING THOSE REQUIRED FOR RELOCATIONS, TO ALLOW FOR COMPLETION OF ALL WORK.
- CONTRACTOR SHALL FURNISH ALL REQUIRED FLUIDS FOR FILLING NEW SYSTEMS OR REFILLING EXISTING SYSTEMS. CONTROLS AND WIRING FOR ALL HVAC EQUIPMENT SHALL BE BY CONTRACTOR.

MECHANICAL COMMISSIONING:

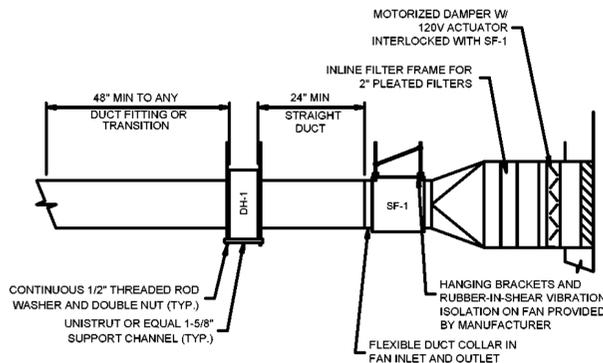
- CONTRACTOR SHALL COMMISSION AND STARTUP 1.5 TON AND 3-TON UNITS WITH ELECTRICAL HEATING UNITS ON THE ENDS OF EACH TRAILER MODULE SECTIONS A-G. SEE REFERENCE DRAWINGS. EACH UNIT SHALL BE TESTING, STARTED UP AND CHECKED COMPLETE FOR PROPER OPERATION. PRIOR TO FINAL COMPLETION CONTRACTOR SHALL FURNISH AND INSTALL NEW FILTERS THROUGHOUT.

SUPPLY FAN SCHEDULE

MARK	MFG.	MODEL #	AREA SERVED	CFM	ESP	HP	BHP	RPM	FAN MOTOR TYPE	DRIVE	ELECTRICAL	DIMENSIONS WxH	L	REMARKS
SF-1	GREENHECK	SQ-120	CELLAR STORAGE	720	0.66	1/8	0.15	1140	INLINE CENT.	DIRECT	115/1/60	19"	21"	INTERLOCK WITH DH-1 THERMOSTAT PROVIDE 2" FILTER FRAME ON INLET MERV 8 2" PLEATED DISPOSABLE FILTERS

DUCT HEATER SCHEDULE

MARK	MFG.	CATALOG #	AREA SERVED	KW	STAGES	ELECTRICAL	DIMENSIONS DUCT	COIL	REMARKS
DH-1	INDEECO	QUA	CELLAR STORAGE	12	1	208/3/60 35 AMP	12" W 12" H	11.5" H	INTERLOCK WITH SF-1 BASIC CONTROLS (CODE G) W/ TRANSFORMER DELETE STANDARD BUILT-IN AIRFLOW SWITCH THERMOSTAT HONEYWELL T812C OR EQUAL SUPPLY EXTERNAL 24VAC CONTROL TRANSFORMER



NO.	DATE	REVISION	INT.



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT ENGINEER: AE
DESIGNED BY: MP/PD

DRAWN BY: MP/PD
CHECKED BY: BA/WDM



TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

LASSER PARK SENIOR CENTER

CONTRACT 2

FLOOR PLAN - BASEMENT

MECHANICAL

PROJECT NO. 5708
DRAWING NO. M1

DATE: AUGUST 2023
SCALE: 3/16" = 1'-0"

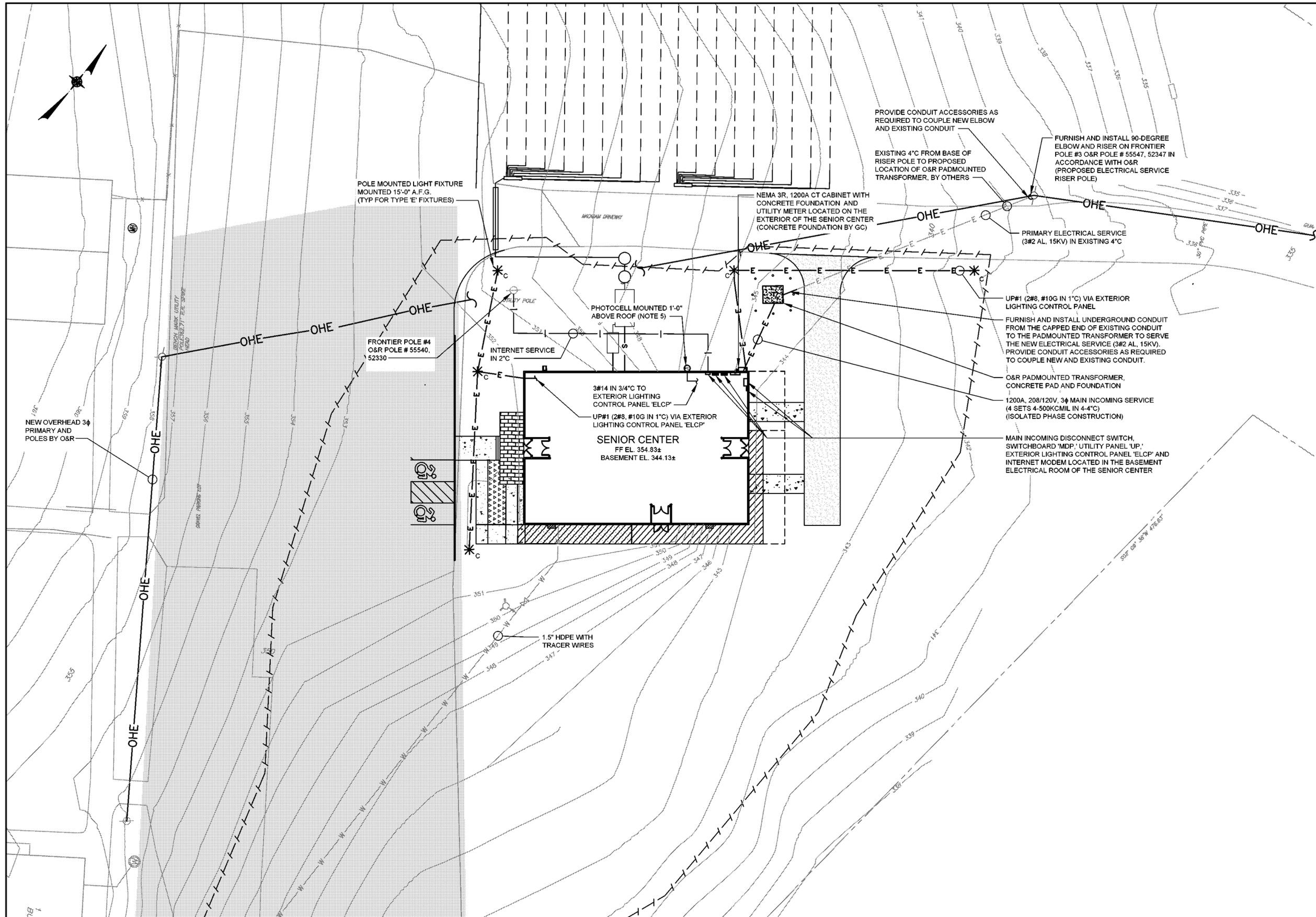
NOTES:

- REFER TO DRAWING G1 FOR SYMBOLS AND ABBREVIATIONS.
- REFER TO DRAWING E6 FOR TYPICAL UNDERGROUND CONDUIT TRENCH DETAIL.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ROUTING AND DEPTH OF UNDERGROUND CONDUIT WITH EXISTING AND NEW UTILITIES IN THE FIELD.
- ALL UTILITIES ARE SHOWN FOR GENERAL REFERENCE ONLY. THE ELECTRICAL CONTRACTOR SHALL RETAIN THE SERVICES OF A PRIVATE MARKOUT AGENCY TO LOCATE ALL UTILITIES IN THE FIELD AND TAKE ALL NECESSARY PRECAUTIONS TO AVOID AND PROTECT EACH UTILITY.
- PHOTOCELL SHALL BE SWVEL TYPE WITH LEXAN HOUSING, ON AT 1 TO 5 FC, OFF AT 3 TO 15 FC, 180VA BALLAST RATING. PHOTOCELL SHALL BE TORK 2001 OR APPROVED EQUAL.
- CIRCUIT NUMBERS CORRESPOND TO RESPECTIVE CIRCUIT BREAKER IN PANELS AS INDICATED BELOW.

UP#2 - DENOTES CIRCUIT 2 IN NEW 208/120V 3Φ UTILITY PANEL 'UP'

O&R COORDINATION NOTES:

- REFER TO APPENDIX III OF THE CONTRACT SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO O&R REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF O&R PADMOUNTED TRANSFORMER AND FUTURE AUTOMATIC TRANSFER SWITCH WITH O&R, PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL REFER TO FIGURE 1 OF THE "THREE PHASE PADMOUNTED TRANSFORMER INSTALLATION" SPECIFICATION LOCATED IN APPENDIX III.B OF THE CONTRACT SPECIFICATIONS FOR PRIMARY CONDUCTOR REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL REFER TO FIGURE 8 OF THE "THREE PHASE PADMOUNTED TRANSFORMER INSTALLATION" SPECIFICATION LOCATED IN APPENDIX III.B OF THE CONTRACT SPECIFICATIONS FOR RESPONSIBILITY OF WORK AT THE ELECTRICAL SERVICE RISER POLE.
- THE METER PAN SHALL BE SELECTED FROM THE O&R APPROVED EQUIPMENT LIST. COORDINATE WITH O&R.
- THE CT CABINET CUT SHEET SHALL BE SUBMITTED TO O&R FOR THE METERING SPECIALIST TO REVIEW AND APPROVE, PRIOR TO INSTALLATION. COORDINATE WITH O&R.
- ELECTRICAL CONTRACTOR SHALL NOT PULL IN ANY PRIMARY OR SECONDARY WIRES TO THE TRANSFORMER CONCRETE PAD PRIOR TO THE DELIVERY OF THE O&R PADMOUNTED TRANSFORMER.



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DESIGNED BY: MN	CHECKED BY: MN



TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

LASSER PARK SENIOR CENTER

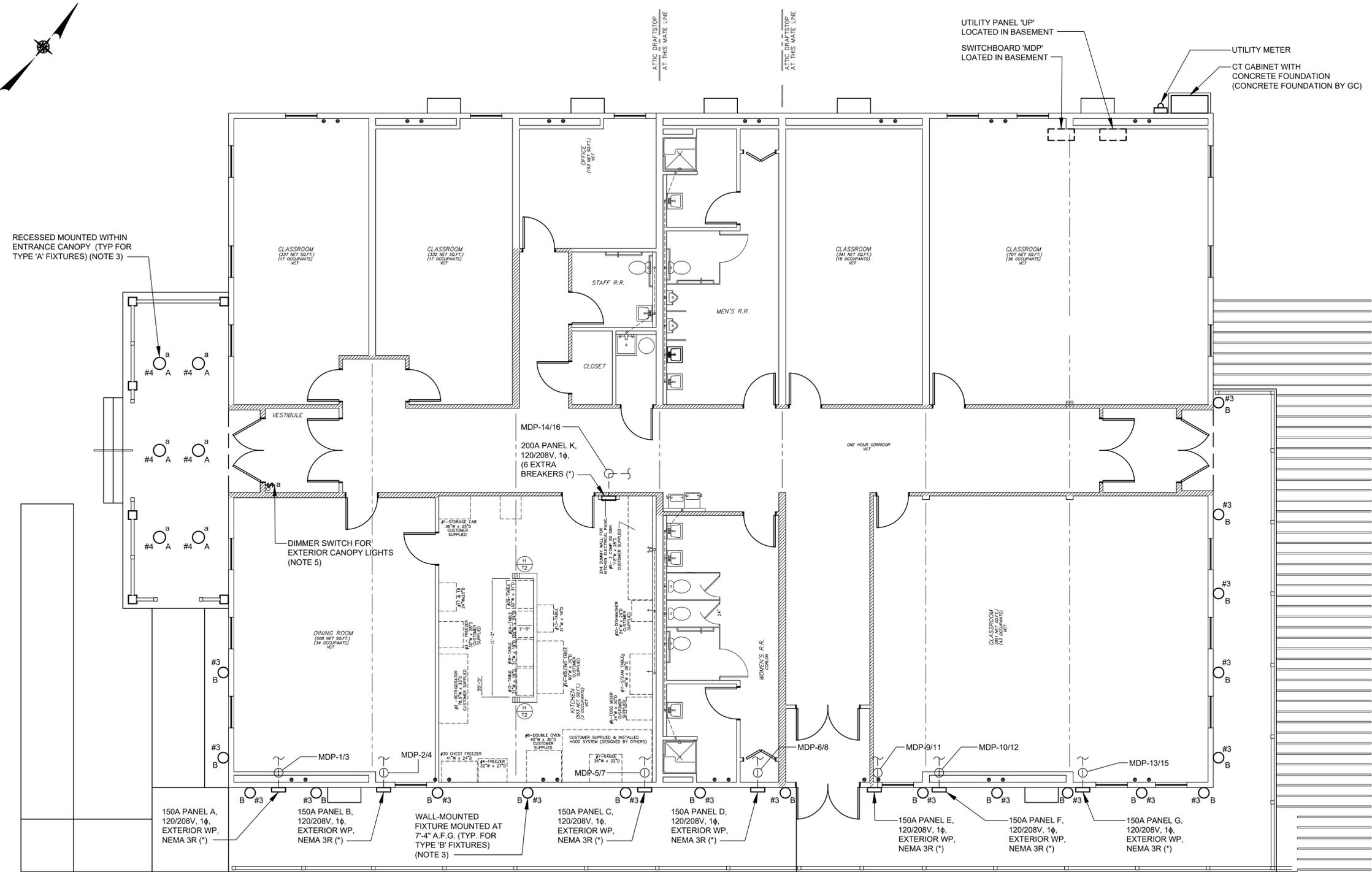
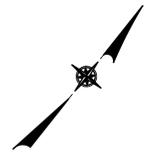
CONTRACT 2

SITE PLAN

ELECTRICAL

PROJECT NO. 5708	DRAWING NO. E1
DATE: AUGUST 2023	SCALE: 1" = 20'

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- NOTES:**
- REFER TO DRAWING G1 FOR SYMBOLS AND ABBREVIATIONS.
 - REFER TO DRAWING E5 FOR SWITCHBOARD AND PANELBOARD SCHEDULES.
 - ENTRANCE CANOPY LIGHT FIXTURES AND BUILDING EXTERIOR LIGHT FIXTURES SHALL BE POWERED FROM UTILITY PANEL 'UP.'
 - CIRCUIT NUMBERS CORRESPOND TO RESPECTIVE CIRCUIT BREAKER IN PANELS AS INDICATED BELOW:
 MDP-1/3 - DENOTES CIRCUITS 1 AND 3 IN NEW 208/120V, 3 ϕ PANELBOARD 'MDP'
 #2 - DENOTES CIRCUIT 2 IN NEW 208/120V 3 ϕ UTILITY PANEL 'UP'
 - DIMMER SWITCH SHALL BE MODEL DVSTV AS MANUFACTURED BY LUTRON, OR APPROVED EQUAL.

- LEGEND:**
- (*) PANELBOARDS A, B, C, D, E, F, G, K FURNISHED WITH PREFABRICATED BUILDING. POWER FEEDS TO PANELBOARDS FROM SWITCHBOARD 'MDP' SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. ROUTE POWER FEEDS IN BASEMENT.



NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: AE
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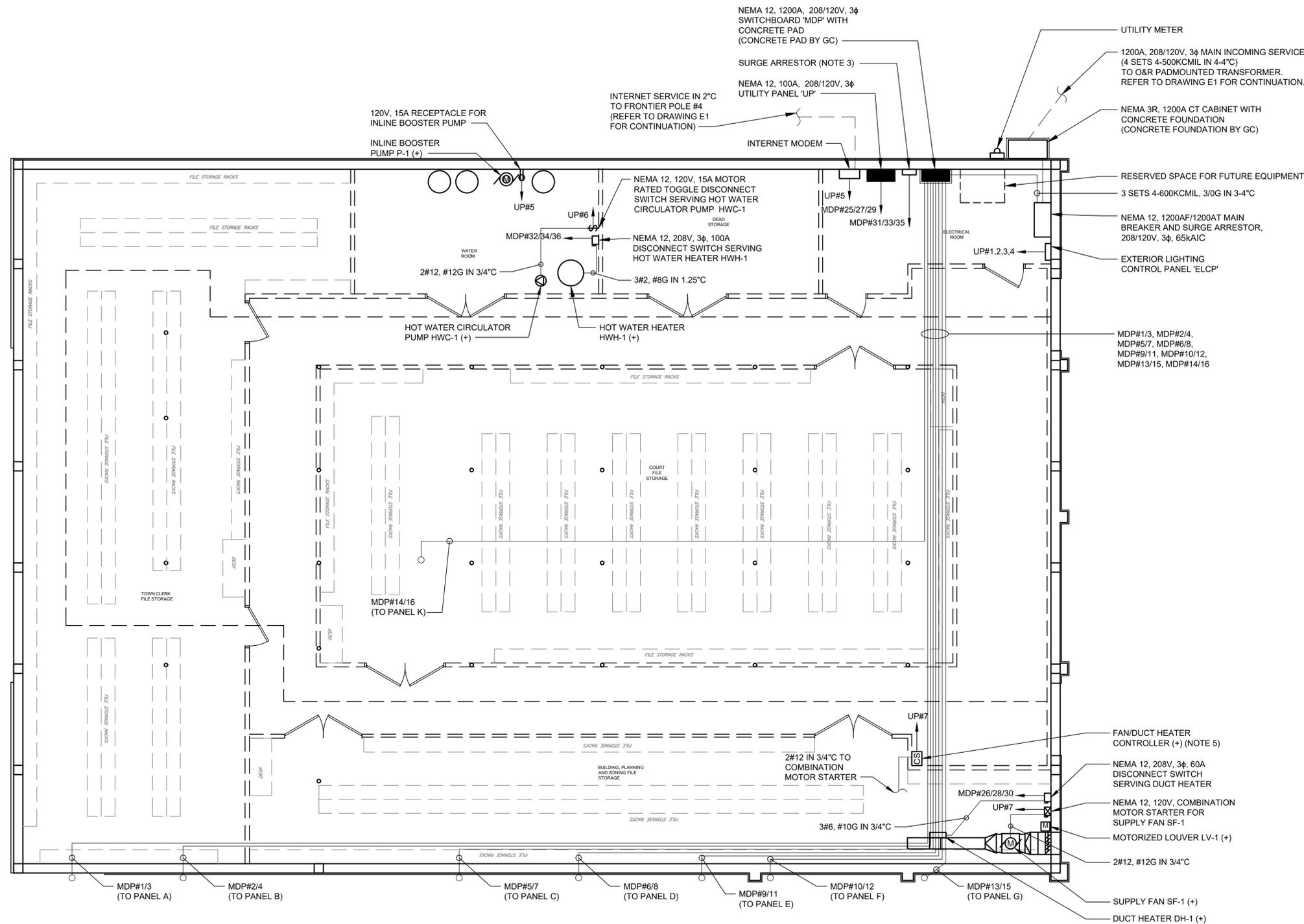
TOWN OF BLOOMING GROVE
 ORANGE COUNTY NEW YORK

LASSER PARK SENIOR CENTER

CONTRACT 2
FIRST FLOOR
POWER AND LIGHTING PLAN
ELECTRICAL

PROJECT NO. 5708
 DATE: AUGUST 2023
 SCALE: 3/16" = 1'-0"
 DRAWING NO. **E2**

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- NOTES:**
- REFER TO DRAWING G1 FOR SYMBOLS AND ABBREVIATIONS.
 - REFER TO DRAWING E5 FOR SWITCHBOARD AND PANELBOARD SCHEDULES.
 - CIRCUIT NUMBERS CORRESPOND TO RESPECTIVE CIRCUIT BREAKER IN PANELS AS INDICATED BELOW:
 - MDP#1/3 - DENOTES CIRCUITS 1 AND 3 IN NEW 208/120V, 3φ SWITCHBOARD 'MDP'
 - UP#1 - DENOTES CIRCUIT 1 IN NEW 208/120V, 3φ UTILITY PANELBOARD 'UP'
 - SURGE ARRESTOR SHALL BE MODEL 200LS AS MANUFACTURED BY MCG SURGE PROTECTION, OR APPROVED EQUAL.
 - FAN/DUCT HEATER CONTROLS:
 - a. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL CONDUIT AND WIRING TO THERMOSTAT(S) AND DUCT HEATER. REFER TO GC DRAWINGS.



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PROJECT ENGINEER: AE	DRAWN BY: TW/JQ
DESIGNED BY: MN	CHECKED BY: MN



TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

LASSER PARK SENIOR CENTER

CONTRACT 2
BASEMENT
POWER PLAN
ELECTRICAL

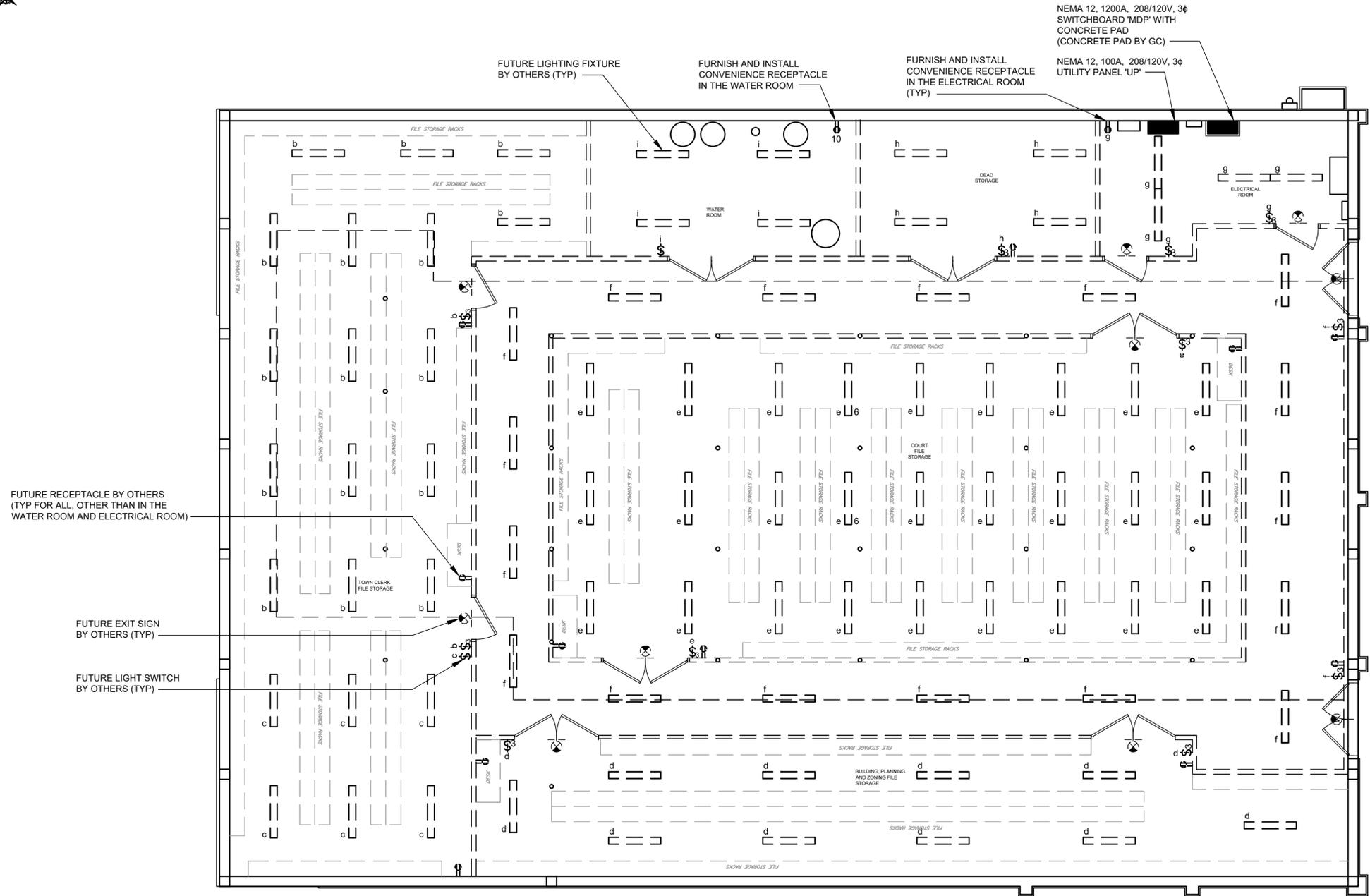
PROJECT NO. 5708	E3
DATE: AUGUST 2023	
SCALE: 3/16" = 1'-0"	

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NOTES:

1. REFER TO DRAWING G1 FOR SYMBOLS AND ABBREVIATIONS.
2. REFER TO DRAWING E5 FOR SWITCHBOARD AND PANELBOARD SCHEDULES.
3. CIRCUIT NUMBERS CORRESPOND TO RESPECTIVE CIRCUIT BREAKER IN PANELS AS INDICATED BELOW:
1 - DENOTES CIRCUIT 1 IN NEW 208/120V, 3 ϕ UTILITY PANEL 'UP.'



NO.	DATE	REVISION	INT.



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PROJECT ENGINEER: **AE**
DESIGNED BY: **MIND**

DRAWN BY: **MIND**
CHECKED BY: **MIND**



TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK

LASSER PARK SENIOR CENTER

CONTRACT 2
BASEMENT LIGHTING PLAN
ELECTRICAL

PROJECT NO. **5708**
DATE: **AUGUST 2023**
SCALE: **3/16" = 1'-0"**

DRAWING NO. **E4**

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NOTES:

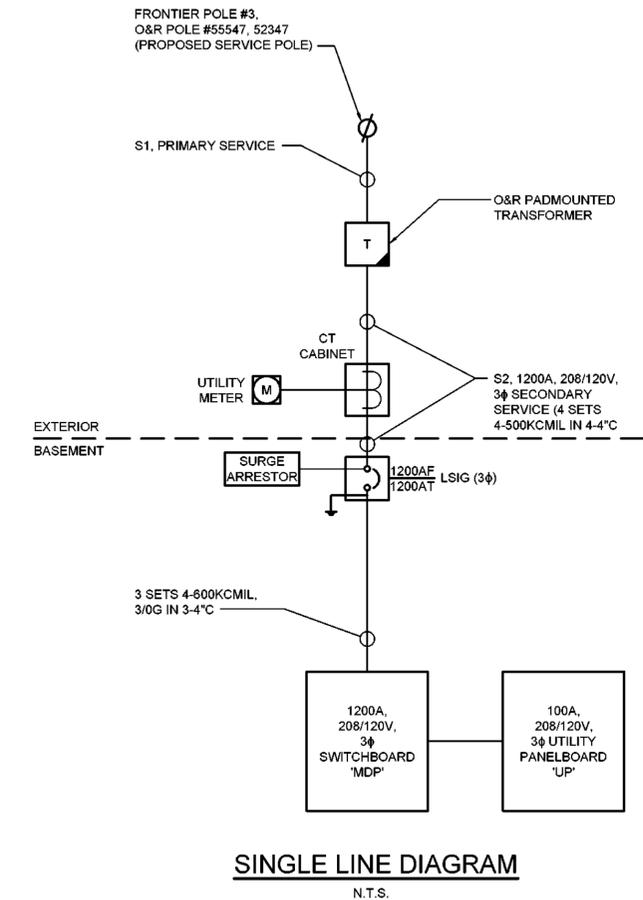
1. REFER TO DRAWING G1 FOR SYMBOLS AND ABBREVIATIONS.
2. GROUND NEW SERVICE IN ACCORDANCE WITH NEC AND O&R REQUIREMENTS.
3. SURGE ARRESTOR SHALL BE MODEL 200LS AS MANUFACTURED BY MCG SURGE PROTECTION OR APPROVED EQUAL.

SWITCHBOARD 'MDP'						
CKT NO.	DEVICE		LOAD DESIGNATION	LOAD		BRANCH CIRCUIT
	POLE	TRIP		H.P.	KVA	
1	2	150	PANEL 'A'		22.0	3-2/0, #6 IN 2" C
3	-	-	-			
5	2	150	PANEL 'C'		23.5	3-1/0, #6 IN 2" C
7	-	-	-			
9	2	150	PANEL 'E'		22.9	3-1/0, #6 IN 2" C
11	-	-	-			
13	2	150	PANEL 'G'		19.9	3-1/0, #6 IN 2" C
15	-	-	-			
17	2	150	SPARE			
19	-	-	-			
21	2	150	SPARE			
23	-	-	-			
25	3	100	UTILITY PANEL UP		2.6	4#2, #8G IN 1.25" C
27	-	-	-			
29	-	-	-			
31	3	30	SURGE ARRESTOR			3#10, #10G IN 3/4" C
33	-	-	-			
35	-	-	-			
37	3	100	SPARE			
39	-	-	-			
41	-	-	-			
2	2	150	PANEL 'B'		24.7	3-2/0, #6 IN 2" C
4	-	-	-			
6	2	150	PANEL 'D'		23.6	3-1/0, #6 IN 2" C
8	-	-	-			
10	2	150	PANEL 'F'		27.6	3-1/0, #6 IN 2" C
12	-	-	-			
14	2	200	PANEL 'K'		34.6	3-4/0, #6 IN 2" C
16	-	-	-			
18	2	150	SPARE			
20	-	-	-			
22	2	200	SPARE			
24	-	-	-			
26	3	50	DUCT HEATER DH-1		12.0	3#6, #10G IN 3/4" C
28	-	-	-			
30	-	-	-			
32	3	100	HOT WATER HEATER HWH-1		27	3#2, #8G IN 1.25" C
34	-	-	-			
36	-	-	-			
38	3	50	SPARE			
40	-	-	-			
42	-	-	-			

MAIN BUS: 1200A
 MAIN: 1200AF/1200AT MAIN BREAKER
 FEEDER: 3 SETS 4-600KCMIL, 3/0G
 TYPE: BOLT-ON
 VOLTS: 208/120V
 PHASE: 3PH, 4W+GND
 MOUNTING: FREESTANDING
 AIC(SYM): 65,000
 EST. CONN. KVA: 241

UTILITY PANEL 'UP'						
CKT NO.	DEVICE		LOAD DESIGNATION	LOAD		BRANCH CIRCUIT
	POLE	TRIP		H.P.	KVA	
1	1	20	EXTERIOR LTG: POLE MOUNTED FIXTURES		0.3	2#8, #10G IN 1" C
3	1	20	EXTERIOR LTG: BUILDING EXTERIOR		0.5	2#10, #10G IN 3/4" C
5	1	20	INTERNET MODEM		0.1	2#12, #12G IN 3/4" C
7	1	20	SUPPLY FAN SF-1; FAN/DUCT HEATER CTRL	1/8		2#12, #12G IN 3/4" C
9	1	20	BSMNT REC: ELECTRICAL ROOM		0.2	2#12, #12G IN 3/4" C
11	1	20	SPARE			
13	1	20	SPARE			
15	1	20	SPARE			
17	1	20	SPARE			
19	1	20	SPARE			
21	1	20	SPARE			
23	1	20	SPARE			
25	1	20	SPARE			
27	1	20	SPARE			
29	1	20	SPARE			
31	1	20	SPARE			
33	1	20	SPARE			
35	1	20	SPARE			
37	1	20	SPARE			
39	1	20	SPARE			
41	1	20	SPARE			
2	1	15	EXTERIOR LIGHTING CONTROL PANEL		0.1	2#12, #12G IN 3/4" C
4	1	20	EXTERIOR LTG: ENTRANCE CANOPY		0.1	2#10, #10G IN 3/4" C
6	1	15	HOT WATER CIRCULATOR PUMP HWC-1	1/40		2#12, #12G IN 3/4" C
8	1	15	INLINE BOOSTER PUMP P-1		0.8	2#12, #12G IN 3/4" C
10	1	20	BSMNT REC: WATER ROOM		0.2	2#12, #12G IN 3/4" C
12	1	20	SPARE			
14	1	20	SPARE			
16	1	20	SPARE			
18	1	20	SPARE			
20	1	20	SPARE			
22	1	20	SPARE			
24	1	20	SPARE			
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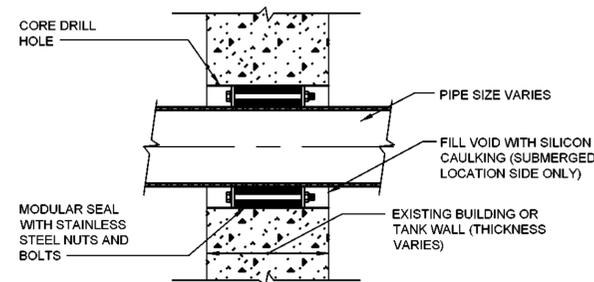
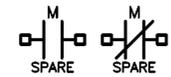
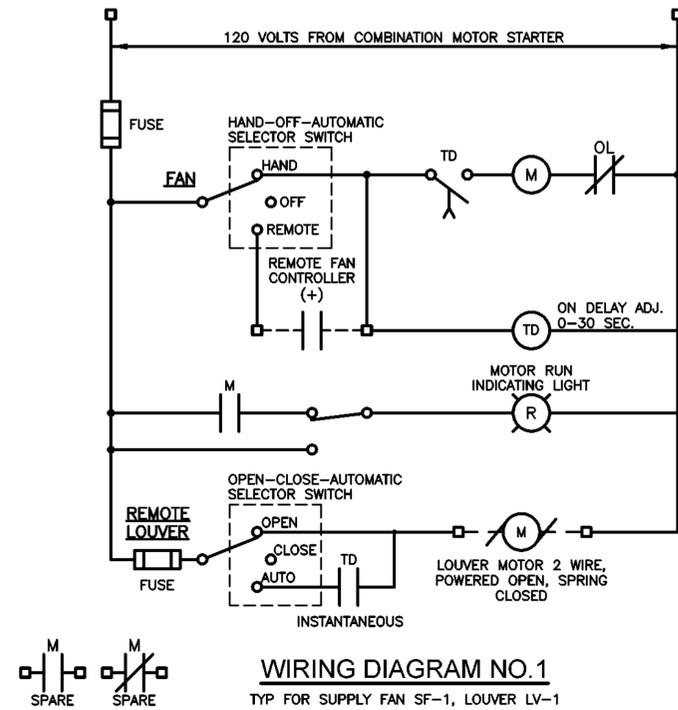
MAIN BUS: 100A
 MAIN: MLO
 FEEDER: MDP#25/27/29
 TYPE: BOLT-ON
 VOLTS: 208/120V
 PHASE: 3PH, 4W+GND
 MOUNTING: SURFACE
 AIC(SYM): 65,000
 EST. CONN. KVA: 2.4



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NO. DATE REVISION INT.		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.			TOWN OF BLOOMING GROVE ORANGE COUNTY NEW YORK		CONTRACT 2 PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM ELECTRICAL		PROJECT NO. 5708	E5
		PROJECT ENGINEER: AE	DRAWN BY: TW/JQ		LASSER PARK SENIOR CENTER		DATE: AUGUST 2023		SCALE: N.T.S.	
		DESIGNED BY: MN	CHECKED BY: MN							

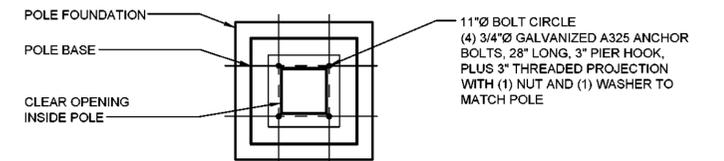
NOTES:
1. REFER TO DRAWING G1 FOR SYMBOLS AND ABBREVIATIONS.



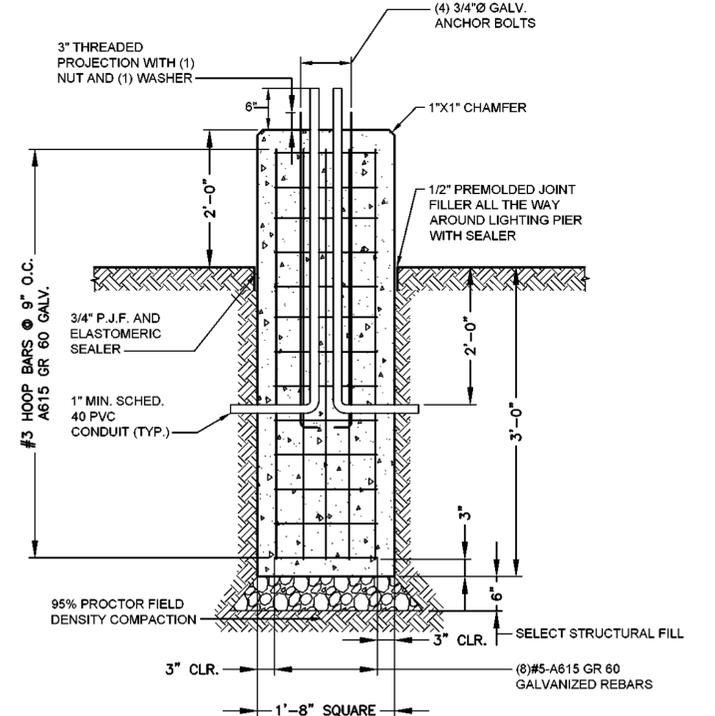
NOTES:
1. MODULAR SEAL STRIP SHALL BE PLACED SO THAT BOLTS CAN BE ADJUSTED DURING NORMAL OPERATION.
2. WALLS 12" OR LARGER IN THICKNESS SHALL REQUIRE 2 MODULAR SEAL STRIPS.

TYPICAL CONDUIT PENETRATION THRU EXISTING WALL

(USE FOR ALL EXISTING WALL PENETRATIONS)
N.T.S.



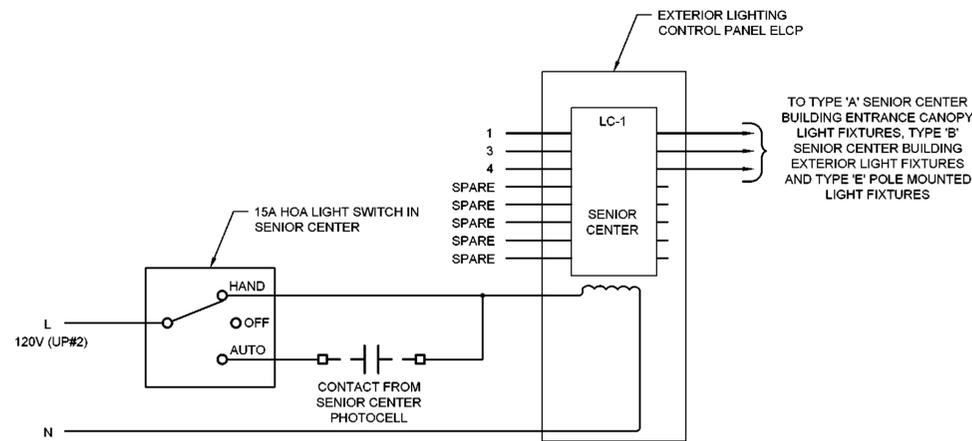
PLAN



SECTION

POLE FOUNDATION DETAIL - TYPE 'E' FIXTURES

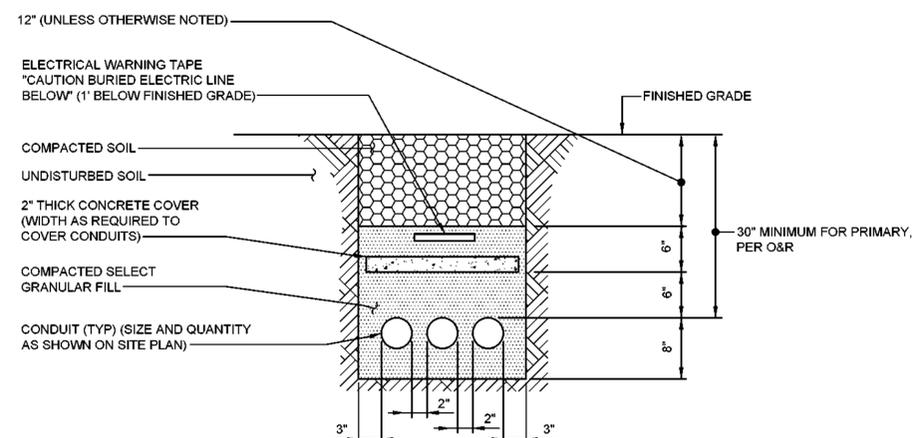
N.T.S.



NOTE: CIRCUIT NUMBERS FOR LIGHTING CONTACTOR 'LC-1' REFER TO SENIOR CENTER UTILITY PANEL 'UP.'

EXTERIOR LIGHTING CONTROL WIRING DIAGRAMS

N.T.S.



TYPICAL UNDERGROUND CONDUIT TRENCH DETAIL

(USE FOR ALL UNDERGROUND CONDUITS)
N.T.S.

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PROJECT ENGINEER: AE	DRAWN BY: TW/JQ
DESIGNED BY: MN	CHECKED BY: MN



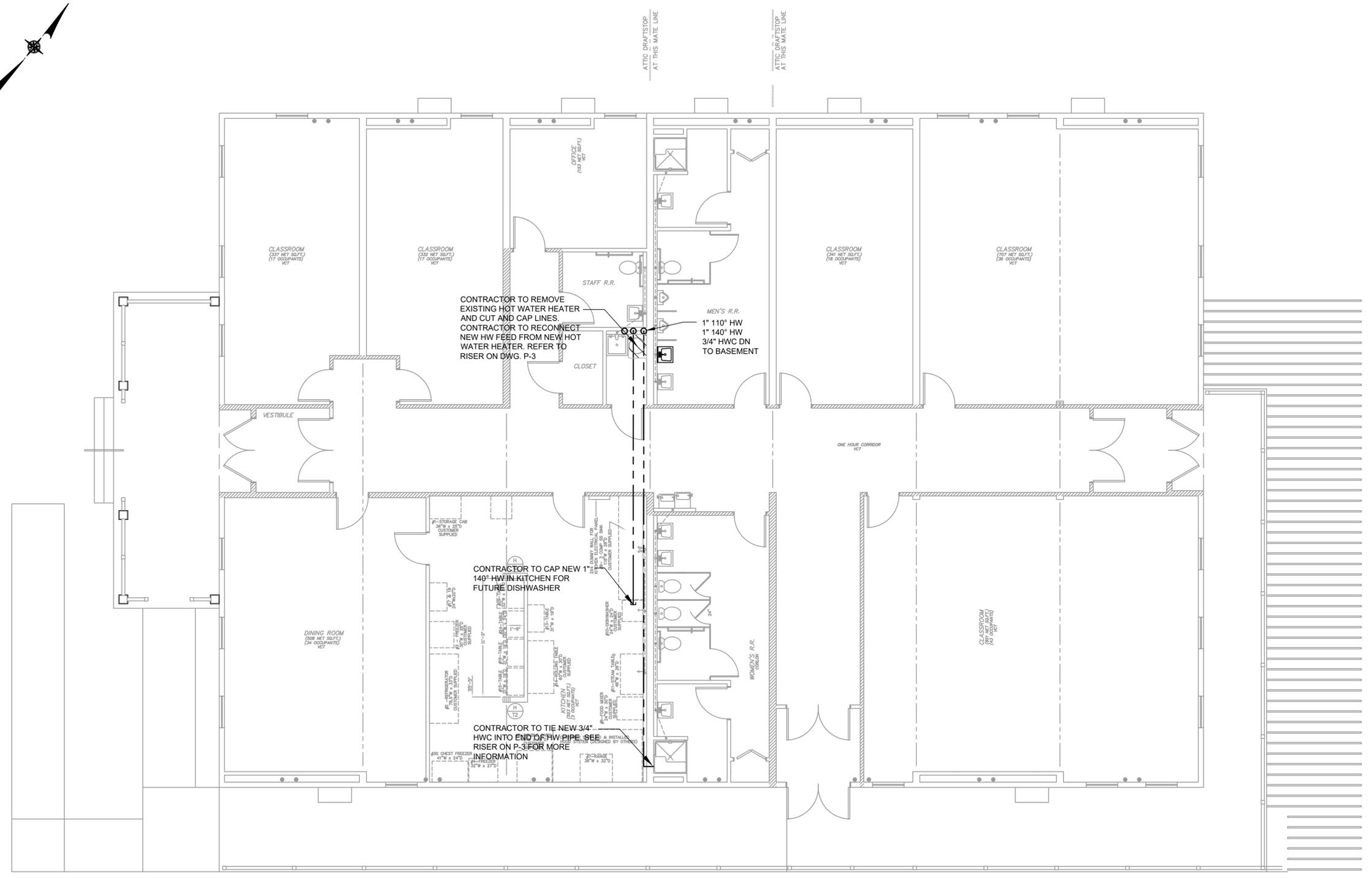
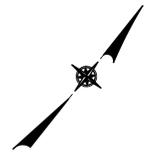
TOWN OF BLOOMING GROVE	
ORANGE COUNTY	NEW YORK
LASSER PARK SENIOR CENTER	

CONTRACT 2
WIRING DIAGRAM AND DETAILS
ELECTRICAL

PROJECT NO. 5708	E6
DATE: AUGUST 2023	
SCALE: N.T.S.	

NOTES:

1. PLUMBING FIXTURES ON THIS PLAN ARE SHOWN FOR REFERENCE ONLY UNLESS OTHERWISE NOTED. ALL FIXTURES SHOWN HAVE BEEN PREVIOUSLY INSTALLED UNDER A SEPARATE CONTRACT AS HAS ALL OF THE WATER DISTRIBUTION/ SANITARY VENTING AND SANITARY STUBS UNLESS OTHERWISE NOTED ON THIS PLAN. REFER TO DRAWING P3 FOR FURTHER CLARIFICATION ON THE WATER/SANITARY RISER DIAGRAMS.



NO.	DATE	REVISION	INT.



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PROJECT ENGINEER: **AE**
 DRAWN BY: **MP/PD**

DESIGNED BY: **MP/PD**
 CHECKED BY: **BA/WDM**



TOWN OF BLOOMING GROVE
 ORANGE COUNTY NEW YORK

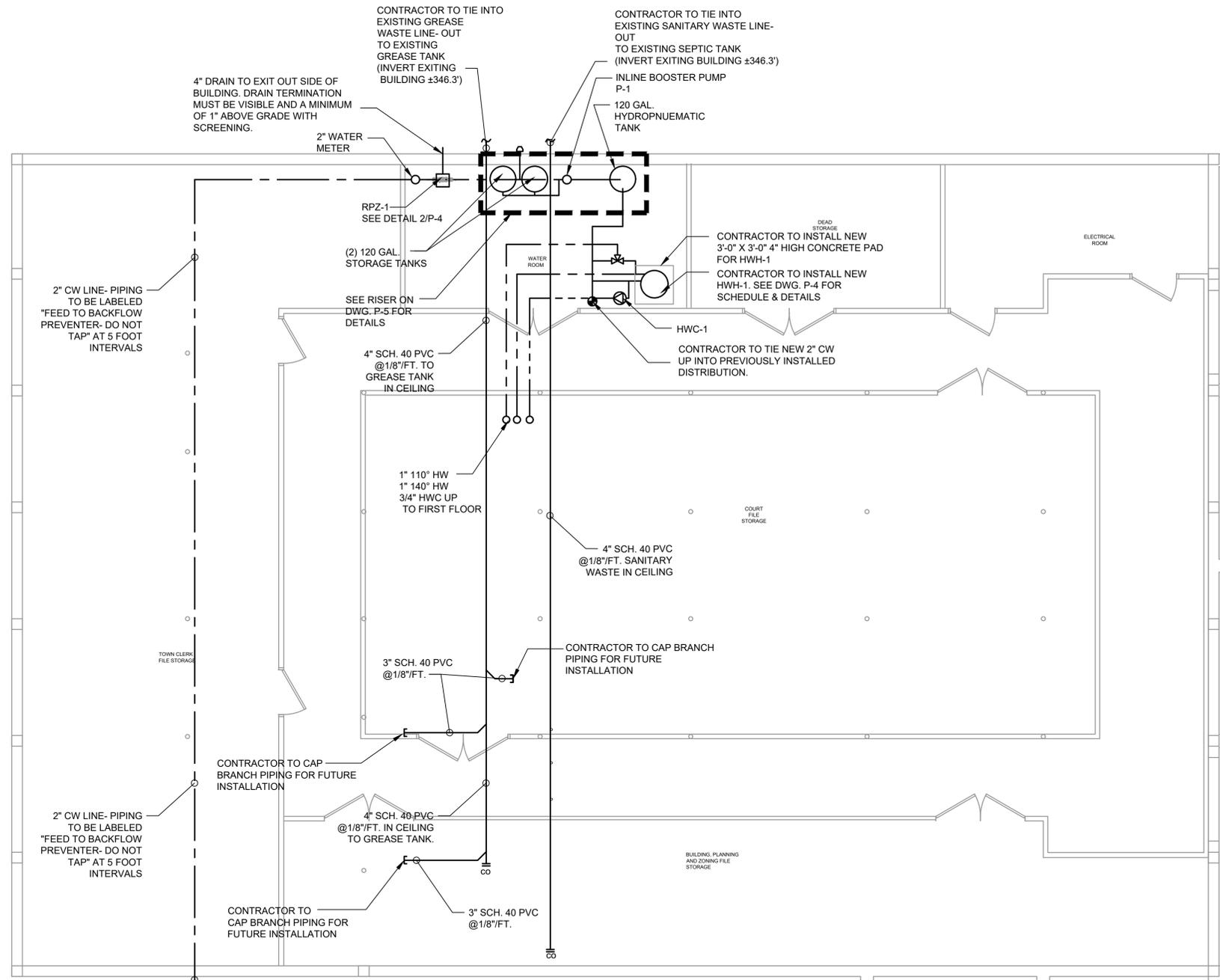
LASSER PARK SENIOR CENTER

CONTRACT 2
PLUMBING PLAN
- FIRST FLOOR
PLUMBING

PROJECT NO. **5708**
 DATE: **AUGUST 2023**
 SCALE: **3/16" = 1'-0"**

DRAWING NO. **P1**

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- NOTES:**
- REFER TO DRAWING G1 FOR SYMBOLS AND ABBREVIATIONS.
 - REFER TO RISER DIAGRAM ON DRAWING P-3 FOR ALL TIE INS INTO THE NEW 4" SANITARY MAIN. CONTRACTOR TO TIE IN ALL EXISTING STUBS SHOWN ON RISER INTO NEW 4" MAIN.



NO.	DATE	REVISION	INT.



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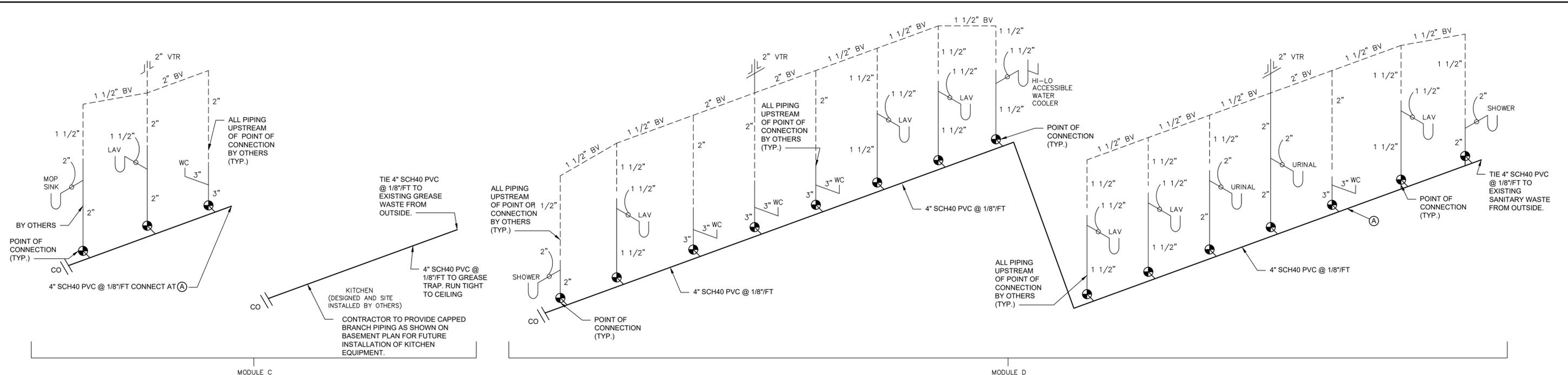


TOWN OF BLOOMING GROVE
ORANGE COUNTY NEW YORK
LASSER PARK SENIOR CENTER

CONTRACT 2
PLUMBING PLAN - BASEMENT
PLUMBING

PROJECT NO. 5708	P2
DATE: AUGUST 2023	
SCALE: 3/16" = 1'-0"	

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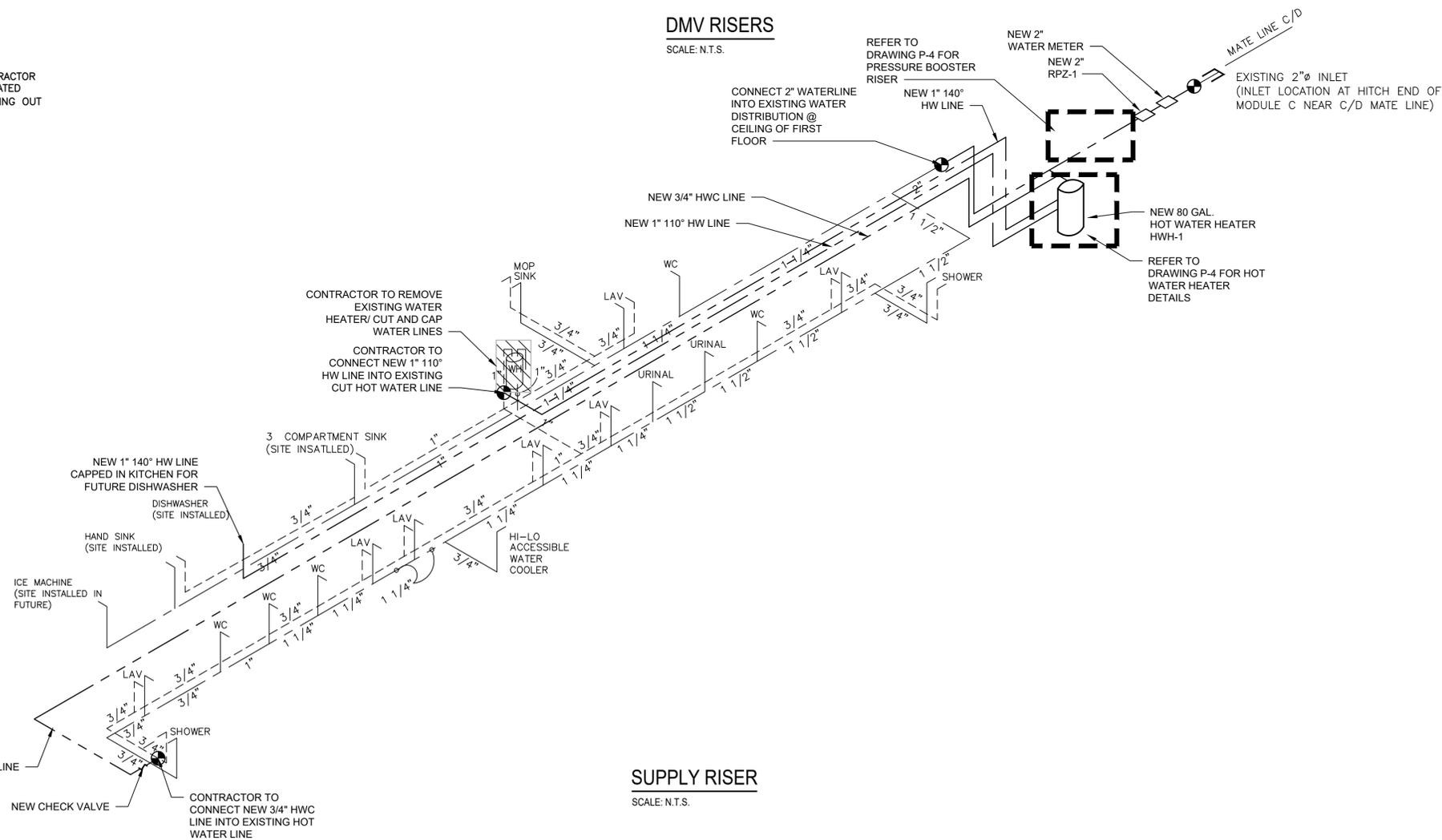


NOTES:

1. SYMBOLS/ ABBREVIATIONS LIST APPLIES TO ALL CONTRACTS
2. THE FIXTURES/VENT DISTRIBUTION PIPING AND SANITARY STUBS HAVE ALL BEEN INSTALLED UNDER A PREVIOUS CONTRACT. CONTRACTOR RESPONSIBILITY IS TO TIE EACH STUB INTO A NEW 4" MAIN LOCATED IN BASEMENT CEILING AND TIE INTO EXISTING SANITARY STUB GOING OUT TO PREVIOUSLY INSTALLED SEPTIC TANK/LEACHING FIELD.

DMV RISERS

SCALE: N.T.S.



SUPPLY RISER

SCALE: N.T.S.

NO.	DATE	REVISION	INT.



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PROJECT ENGINEER: AE	DRAWN BY: MP/PD
DESIGNED BY: MP/PD	CHECKED BY: BAWDM



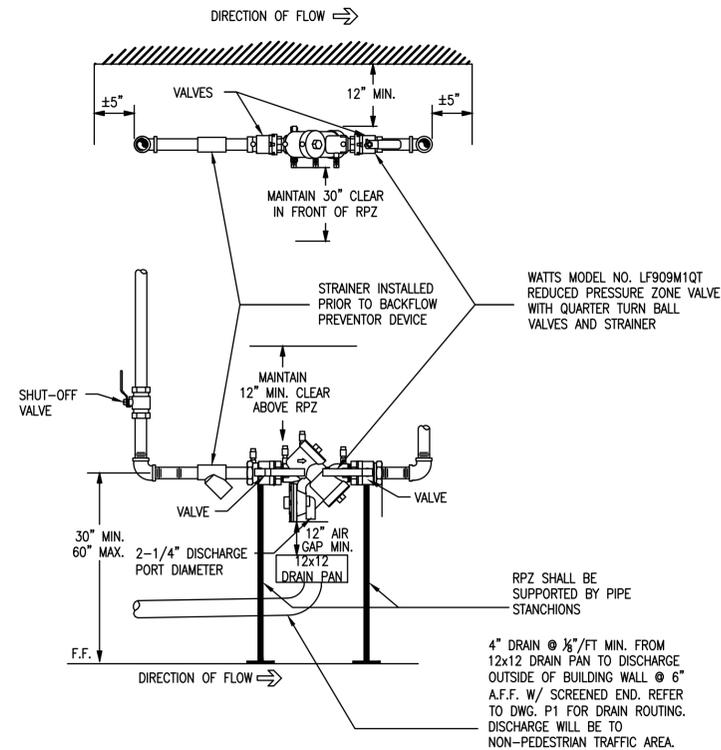
TOWN OF BLOOMING GROVE	
ORANGE COUNTY	NEW YORK
LASSER PARK SENIOR CENTER	

CONTRACT 2
RISERS
PLUMBING

PROJECT NO. 5708	P3
DATE: AUGUST 2023	
SCALE: N.T.S.	

GENERAL PLUMBING SHEET NOTES

- THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND WITH THE LATEST EDITION OF THE PREVAILING STATE PLUMBING CODES AS WELL AS ALL LOCAL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
- ALL PLUMBING WORK SHALL BE COORDINATED WITH ALL OTHER TRADES BEFORE PROCEEDING.
- INVERT ELEVATIONS AND EXACT LOCATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED BEFORE PROCEEDING WITH NEW WORK.
- NO CHANGES ARE TO BE MADE IN PLUMBING LAYOUT WITHOUT WRITTEN PERMISSION BY THE ARCHITECT AND/OR ENGINEER.
- NO PIPING SHALL BE EXPOSED IN FINISHED AREAS.
- ROUGHING DIMENSIONS OF TOILET FIXTURES MUST BE COORDINATED WITH ALL TRADES.
- WATER SUPPLY PIPING SHALL BE TYPE "L" COPPER, OR EQUAL.
- INSULATE ALL WATER PIPING EXCEPT EXPOSED TO FIXTURES WITH 1/2" FIBERGLASS INSULATION WITH NON-COMBUSTIBLE UL RATED VAPOR BARRIER OR CLOSED CELL FLEXIBLE INSULATION.
- PROVIDE SHUT-OFF VALVES AT EACH FIXTURE ON WATER SUPPLY PIPES, COLD AND HOT.
- ALL ACCESS PANELS & LOCATIONS SHALL BE BY CONTRACTOR AND COORDINATED WITH ALL OTHER TRADES.
- INSTALL ALL REQUIRED CLEANOUTS TO CLEAR EQUIPMENT AND FIXTURES.
- ALL WORK SHALL BE PROPERLY TESTED, BALANCED, CLEANED AND DISINFECTED.
- CONTRACTOR TO FIRESEAL ALL THRU-WALL PENETRATIONS THROUGH RATED WALLS WITH 3M BRAND FIRESTOP SEALANT OR APPROVED EQUAL.
- REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE.
- ALL UNDERGROUND COPPER WATER PIPING SHALL BE PROTECTED IN A PVC CASING PIPE 2" GREATER THAN THE LARGEST DIAMETER SUPPLY LINE. PIPING SHALL BE COATED WITH ASPHALTUM AND BITUMASTIC.
- ALL PIPING TO BE RUN AS TIGHT AS POSSIBLE TO STRUCTURE. COORDINATE WITH ALL TRADES
- CONTRACTOR IS RESPONSIBLE FOR THE PRODUCTION OF PLUMBING AS BUILT DRAWINGS AND ASSOCIATED DOCUMENTS.
- CONTRACTOR TO PROTECT PLUMBING PIPING FROM DAMAGE RESULTING FROM EXPANSION, CONTRACTION AND STRUCTURAL SETTLEMENT.
- EXPANSION JOINT FITTINGS TO BE USED WHERE NECESSARY TO PROVIDE FOR EXPANSION AND CONTRACTION OF PIPING.



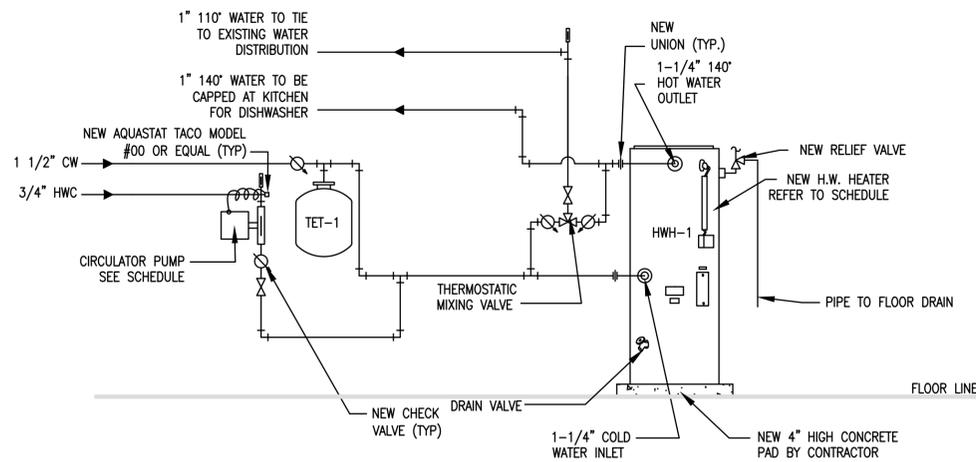
2 RPZ INSTALLATION DETAIL
Scale: NTS

REDUCED PRESSURE PRINCIPLE ASSEMBLY SCHEDULE

MARK	MANUF	MODEL	SIZE	FLOW	FLOW RATE	PRESSURE LOSS	MAX WORKING PRESSURE	REMARKS
RPZ-1	WATTS	LF909M1QT	2"	77 GPM	7.5 FPS	10 PSI	175 PSI	SEE NOTES BELOW

NOTES:

- MOUNT RPZ DEVICE AT 30" FROM FLOOR TO CENTERLINE OF DEVICE, INSTALL WITH 12" CLEAR FROM BACK OF DEVICE TO FINISHED WALL (REFER TO INSTALLATION ON THIS SHEET).
- TEST COCKS MUST BE POSITIONED TO FACILITATE TESTING (30" MINIMUM CLEARANCE)
- DRAINS CANNOT BE SUBJECT TO FLOODING AND MUST BE SCREENED.
- RPZ MUST BE A LEAD FREE MODEL.
- RPZ MUST BE ADEQUATELY SUPPORTED TO PREVENT LATERAL MOVEMENT TO THE FLOOR.
- SUPPORTS MUST BE PLACED WHERE THEY WILL NOT OBSTRUCT THE FUNCTION OR ACCESS TO RELIEF VALVE.
- RPZ MUST HAVE USC FOUNDATION FOR CROSS CONNECTION CONTROL APPROVAL.
- A SEPARATE SHUT OFF VALVE IS REQUIRED UPSTREAM OF THE ASSEMBLY.
- RPZ MAY NOT BE INSTALLED HIGHER THAN 5' ABOVE THE FLOOR OR A FIXED PLATFORM IS REQUIRED.
- INSTALL PROTECTIVE STRAINER PER MANUFACTURERS RECOMMENDATION
- RPZ DEVICE WILL BE INSTALLED ABOVE THE 100 YEAR FLOOD ELEVATION.



GENERAL NOTE:
CONTRACTOR RESPONSIBLE FOR INSULATION OF ALL NEW DOMESTIC WATER LINES.

1 HOT WATER HEATER DETAIL
Scale: NTS

DOMESTIC WATER HEATER - BASED ON AO SMITH COMMERCIAL ELECTRIC WATER HEATER

MARK	MODEL	TYPE	CAPACITY	KW INPUT	RECOVERY @ 100' F RISE	PHYSICAL DIMENSIONS (IN.)		WATER CONNECTIONS	WEIGHT
						DIA.	HEIGHT		
HW-1	DRE-80-27	ELECTRIC	80 GAL	27 KW	111 GPH	25-1/2"	60-1/4"	1-1/4"	280 LBS

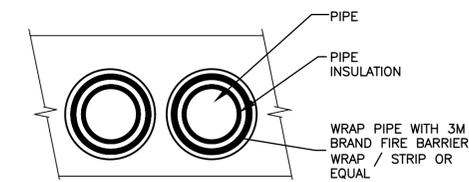
REFER TO DETAIL 1/P-4 FOR MORE INFORMATION

HOT WATER CIRCULATOR PUMP SCHEDULE -BASED ON TACO

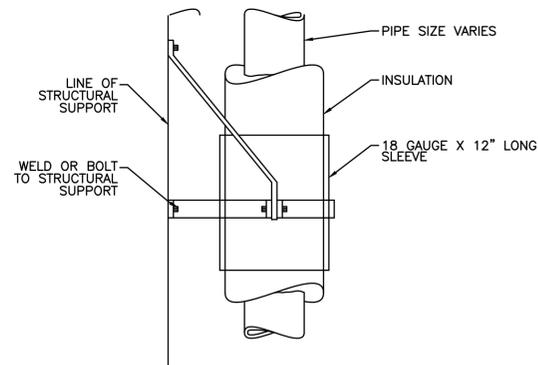
MARK	MODEL NO.	MANF.	FLOW	MOTOR	VOLTAGE	RPM	CONTROL	DISCONNECT	REMARKS
HWC-1	003-B4	TACO	.25 GPM @ 2.75' HEAD	1/40 HP 60 HZ, 1 PH	115V	3250	AQUASTAT & 12 HR. TIMER	ON/OFF SWITCH	ALL BRONZE CONSTRUCTION

HOT WATER EXPANSION TANK SCHEDULE -BASED ON WATTS

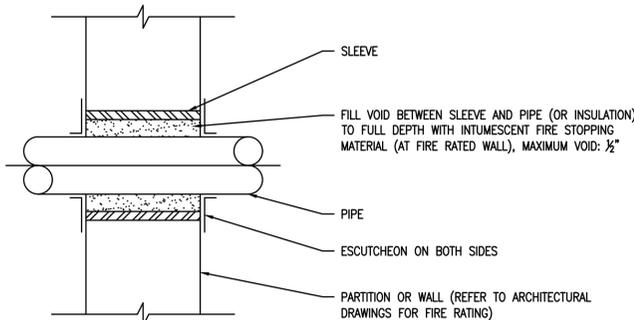
MARK	MODEL NO.	MANF.	VOLUME	ACCEPTANCE VOLUME	DIAMETER	HEIGHT	CONN.	WEIGHT
TET-1	DETA12	WATTS	5 GAL.	3.3 GAL.	12"	14"	3/4"	28 LBS



3 PIPE PENETRATION DETAIL THRU FIRE RATED WALL
Scale: NTS



5 DETAIL OF VERTICAL PIPE GUIDE
Scale: NTS



4 PIPE PENETRATION THRU FIRE WALL
Scale: NTS

NO.	DATE	REVISION	INT.



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DRAWN BY: MP/PD
CHECKED BY: BAWDM



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