SOUTHAMPTON TOWNSHIP

5 RETREAT ROAD

SOUTHAMPTON, NEW JERSEY 08088

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2026 MUNICIPAL BUILDING RENOVATIONS

5 RETREAT ROAD

SOUTHAMPTON, NEW JERSEY 08088

PROJECT NUMBER: 26-42
CONSTRUCTION TYPE: 5B
USE GROUP: B

No.	INDEX OF DRAWINGS
--	COVER
	CIVIL
TS-1	SITE IMPROVEMENT NOTES AND KEY PLANS
CP-1	DEMOLITION & SITE PLANS
CP-2	GRADING & UTILITY PLAN & DETAILS
CP-3	LANDSCAPE PLAN & DETAILS
CP-4	SOIL EROSION & SEDIMENT CONTROL PLAN & DETAILS
CD-1	CONSTRUCTION DETAILS
	ARCHITECTURAL
C1.0	CODE PLAN AND DATA
A0.0	EXISTING FLOOR PLANS
A0.1	EXISTING ATTIC / ROOF PLANS
A0.2	EXISTING ELEVATIONS
A1.0	PROPOSED FLOOR PLANS
A1.1	ATTIC PLAN AND DETAILS
A1.2	ROOF PLAN AND DETAILS
A2.0	PROPOSED ELEVATIONS
A3.0	WALL SECTIONS
A3.1	SECTION DETAILS
A3.2	ENLARGED PLANS & SECTION DETAILS
A3.3	ENLARGED MEETING ROOM PLAN, SECTION & DETAILS
A4.0	PROPOSED CEILING PLANS
A5.0	WALL TYPES
A6.0	ROOM FINISH SCHEDULE, PLAN AND NOTES
A7.0	DOOR & FRAME SCHEDULE & DETAILS
A7.1	DOOR & FRAME DETAILS 1
A8.0	WINDOW TYPES
A8.1	WINDOW DETAILS
A9.0	ENLARGE TOILET ROOM PLANS & SCHEDULES
A9.1	TOILET ROOM ELEVATIONS
A9.2	TOILET ROOM STANDARDS
A10.0	FURNITURE PLAN AND SCHEDULE
A10.1	FURNITURE ELEVATIONS AND DETAILS
	STRUCTURAL
S-0	GENERAL NOTES
S-1	SLAB ON GRADE AND FOUNDATION PLAN
S-2	FIRST FLOOR AND ROOF FRAMING PLAN
S-3	FOUNDATION SECTIONS AND DETAILS
S-4	FRAMING SECTIONS AND DETAILS
	MECHANICAL/PLUMBING
M1.0	MECHANICAL DEMOLITION FLOOR PLAN
M1.1	MECHANICAL DEMOLITION ATTIC/ROOF PLAN
M2.0	MECHANICAL NEW WORK FLOOR PLAN
M2.1	MECHANICAL NEW WORK ATTIC/ROOF PLAN
M3.0	MECHANICAL LEGEND, NOTES, AND DETAILS
M3.1	MECHANICAL SCHEDULES
P1.0	PLUMBING DEMOLITION FLOOR PLAN
P2.0	PLUMBING NEW WORK FLOOR PLAN
P3.0	PLUMBING LEGEND, NOTES, AND RISERS
	ELECTRICAL
E1.0	POWER PLAN
E1.1	LIGHTING PLAN
E1.2	FIRE ALARM PLAN
E1.3	SYSTEMS PLAN
E1.4	MECH EQUIPMENT PLAN
E2.0	ATTIC POWER PLAN
E2.1	ATTIC LIGHTING PLAN
E2.2	ATTIC FIRE ALARM PLAN
E3.0	ELECTRICAL SITE PLAN
E4.0	SINGLE LINE DIAGRAM
E5.0	ELECTRICAL NOTES AND SCHEDULES
E5.1	ELECTRICAL NOTES AND SCHEDULES
E5.2	RESPONSIBILITY SCHEDULE

DESIGN CODES:

INTERNATIONAL BUILDING CODE/2021/ NJ EDITION
INTERNATIONAL MECHANICAL CODE/2021
INTERNATIONAL FUEL GAS CODE/2021
NATIONAL STANDARD PLUMBING CODE/2021
ASHRAE 90.1-2019 ENERGY STANDARD
NATIONAL ELECTRICAL CODE (NFPA 70)/2020
INTERNATIONAL FIRE CODE/2021
ELEVATOR SUBCODE: (NJAC 5:23-12)
: AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
BARRIER FREE SUBCODE:ICC/ANSI A117.1-2017
N.J. REHAB CODE NJAC 5:23-6, NJUCC. SUBCHAPTER 6.
NJ UCC BULLETIN 00-3: PUBLIC SCHOOLS-FACILITY PLANNING STANDARDS & UCC ENHANCEMENTS

AERIAL MAP

STREET MAP

CIVIL ENGINEER

ENVIRONMENTAL RESOLUTIONS, INC
815 EAST GATE DRIVE #103 MOUNT LAUREL, NJ 08054
PHONE: 856-235-7170 FAX: 856-273-9239

ENVIRONMENTAL CONSULTANT:

ENVIRONMENTAL RESOLUTIONS, INC
815 EAST GATE DRIVE #103 MOUNT LAUREL, NJ 08054
PHONE: 856-235-7170 FAX: 856-273-9239

STRUCTURAL ENGINEER:

ORNDORF AND ASSOCIATES
8600 WEST CHESTER PIKE, SUITE 201, UPPER DARBY, PA 19083
PHONE: 610-896-4500 FAX: 610-896-4503

MECHANICAL, PLUMBING & ELECTRICAL ENGINEER:

MULHERN ENGINEERS
321 SOUTH YORK ROAD, HATBORO, PA 19040
PHONE: 215-293-9900 FAX: 215-293-9214

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

ISSUED FOR BID: 10-1-2026

26-42 SOUTHAMPTON 2026 MUNICIPAL BUILDING RENOVATIONS
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GENERAL NOTES & REQUIREMENTS:

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SOUTHAMPTON, THE COUNTY OF BURLINGTON, AND/OR THE STATE OF NEW JERSEY, WHICHEVER AUTHORITY TAKES PRECEDENCE.

2. ALL DISTURBED AREAS AND STRUCTURES ALONG THE CONSTRUCTION ROUTE SHALL BE COMPLETELY RESTORED TO A PRE-CONSTRUCTION STATE OR BETTER. ALL AREAS ADJACENT TO THE PROPOSED IMPROVEMENTS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE TOPSOILED, SEEDED, AND FERTILIZED AT NO ADDITIONAL COST TO THE OWNER.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE DONE DURING THE CONSTRUCTION OF THIS PROJECT. ALL PAVED, CONCRETE, AND STONE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE STATE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING PAVING, CURB, SIDEWALK, TOPSOILING, SODDING, FERTILIZING, AND SEEDING AT ALL AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES.

4. ALL VALVE, VENT, OR CURB STOP BOXES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN-KIND AS DIRECTED BY THE ENGINEER.

5. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL BACKFILL ANY TRENCHES AND PROTECT THE PUBLIC FROM THE WORK AREA. NO OPEN EXCAVATIONS SHALL BE PERMITTED DURING NON-CONSTRUCTION HOURS.

6. ROADWAYS AND PARKING AREAS SHALL BE SWEPT CLEAN AT THE END OF EACH WORKING DAY.

7. ALL CONSTRUCTION MATERIALS, RESTORATION, AND METHODS OF INSTALLATION SHALL CONFORM TO THE MOST CURRENT EDITION OF NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR THE CONTRACT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. ALL CONSTRUCTION DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH N.J.D.O.T STANDARDS AS DETAILED IN:
   - THE MOST CURRENT EDITION OF "STANDARD ROADWAY CONSTRUCTION CONTROL/BRIDGE CONSTRUCTION DETAILS."
   - "ELECTRICAL BUREAU STANDARD DETAILS."

   INCLUDING ALL APPLICABLE BASELINE DOCUMENT CHANGES AND APPENDICES, THESE DETAILS MAY BE PURCHASED THROUGH THE N.J.D.O.T PLANS AND SPECIFICATION DISTRIBUTION CENTER AT:
   1035 PARKWAY AVENUE
   TRENTON, NJ 08625
   (1-609-530-2098)

8. ANY UNSUITABLE MATERIALS ON THE SITE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROPRIATE LOCATION AT NO COST TO THE OWNER.

9. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO THE START OF CONSTRUCTION INCLUDING ALL DIMENSIONS AND GEOMETRY OF THE EXISTING CONDITIONS AND STRUCTURES IN THE FIELD AS NECESSARY FOR THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS TO ALERT THE ENGINEER IMMEDIATELY OF ANY INSTANCES WHERE EXISTING FIELD CONDITIONS MAY REQUIRE ALTERATIONS OF THE PROPOSED CONSTRUCTION.

10. WHENEVER CONSTRUCTION ACTIVITIES TAKE PLACE WITHIN OR ADJACENT TO ANY TRAVELED WAY, OR INTERFERE WITH EXISTING TRAFFIC PATTERNS IN ANY MANNER, SUITABLE WARNING SIGNS, CONFORMING TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, WILL BE ERECTED AND MAINTAINED BY THE CONTRACTOR.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EXCESS, MILLING, AND EXCAVATED MATERIAL FROM THE PROJECT SITE. THE COST OF THIS WORK SHALL BE INCLUDED UNDER THE VARIOUS ITEMS IN THE PROPOSAL.

12. A BUTT JOINT SHALL BE CONSTRUCTED AT ALL CONSTRUCTION LIMIT LINES SHOWN ON THE PLANS. A BUTT JOINT SHALL BE CONSTRUCTED AT ALL CONCRETE GUTTERS.

13. FULL-DEPTH HMA PAVEMENT REPAIRS SHALL BE PERFORMED IF AND WHERE NECESSARY AT THE DIRECTION OF THE ENGINEER.

14. THE OWNER RESERVES THE RIGHT TO KEEP ANY OR ALL OF THE MILLINGS FROM THE PROJECT.

15. THE CONTRACTOR SHALL REMOVE ALL PLANT LIFE AND OTHER FOREIGN MATTER FROM THE PAVEMENT PRIOR TO THE OVERLAY.

16. ALL CRACKS LARGER THAN 1/2" SHALL BE FILLED WITH BITUMINOUS FILLER PRIOR TO OVERLAY. SEE SPECIFICATIONS FOR FILLER MATERIAL.

17. ALL PROPOSED CONCRETE DRIVEWAY, SIDEWALK, AND CURB SHALL BE POURED SEPARATELY WITH THE APPROPRIATE EXPANSION JOINT MATERIAL AND NOT MONOLITHICALLY.

18. PAYMENTS FOR JOINT MATERIAL FOR ALL PROPOSED CURB, DRIVEWAY, AND SIDEWALK WILL NOT BE MADE BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

19. IF MATERIALS, QUANTITIES, STRENGTHS, OR SIZES INDICATED BY THE DRAWINGS AND SPECIFICATIONS ARE NOT IN AGREEMENT, THE BETTER QUALITY AND/OR GREATER QUANTITY STRENGTH, OR SIZE SHALL BE PROVIDED.

20. THE INFORMATION PROVIDED HEREON IS BASED UPON CONDITIONS AT THE TIME OF FIELD SURVEY AND IS NOT GUARANTEED TO BE CURRENT. BIDDERS SHALL VISIT THE SITE BEFORE SUBMITTING BIDS TO ASCERTAIN THE EXTENT OF WORK.

21. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR FOR MAINTAINING A SAFE WORK ENVIRONMENT THROUGHOUT THE PROJECT.

22. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SAFETY AND CONSTRUCTION PROCEDURES, TECHNIQUES, OR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, OR THE REQUIRED CODES.

23. THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS AND/OR PROPERTY OWNERS AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF PERFORMING WORK IN THE VICINITY OF THEIR PROPERTY.

24. THE CONTRACTOR SHALL BE RESPONSIBLE TO DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF THE PROJECT PURSUANT TO N.J.A.C. 5:23-2.21(E) OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE AND GFB 1926.32(F) OSHA COMPETENT PERSON. THE CONTRACTOR IS WHOLLY AND FULLY RESPONSIBLE FOR SITE SAFETY.

25. DETAILS AND SECTIONS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND AREA INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. DETAILS NOTED "TYPICAL" IMPLY ALL CONDITIONS TREATED SIMILARLY, MODIFICATIONS TO BE MADE BY CONTRACTOR TO ACCOMMODATE SITE VARIATIONS.

26. INSPECTION OF OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP BY THE OWNER SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS, AND LAWS.

27. A SEPARATE PAYMENT WILL NOT BE MADE FOR DUST CONTROL AND REMOVAL & DISPOSAL OF EXCESS OR UNWANTED MATERIAL OR DEBRIS. THE COST OF THIS WORK SHALL BE INCLUDED UNDER THE VARIOUS ITEMS IN THE PROPOSAL.

28. THE CONTRACTOR IS REQUIRED TO SUBMIT CUT SHEETS TO THE ENGINEER ONE (1) WEEK PRIOR TO THE INSTALLATION OF THE PROPOSED IMPROVEMENTS. IF ANY IMPROVEMENTS ARE CONSTRUCTED WITHOUT APPROVED CUT SHEETS IS DETERMINED TO BE IMPROPERLY INSTALLED, THE ENGINEER MAY REQUIRE THE IMPROVEMENTS TO BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

29. ALL RIGHT-OF-WAYS SHOWN ARE APPROXIMATELY LOCATED AND AREA BASED ON THE MOST CURRENT AVAILABLE MUNICIPAL TAX MAPS UNLESS OTHERWISE NOTED.

30. ANY COST FOR ROADWAY EXCAVATION AS NECESSARY TO MEET THE REQUIRED ROADWAY PROPOSED GRADES WILL NOT BE MEASURED FOR PAYMENT, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

31. PAYMENT WILL NOT BE MADE FOR ANY OBSTRUCTION REMOVAL, SUCH AS CONCRETE CURB, TREES, TREE ROOTS, VEGETATION, GRASS, TIMBER, DEBRIS, BRUSH, ROCK, ETC. WHICH MAY INTERFERE WITH THE PROPOSED IMPROVEMENTS, BUT SHALL BE INCLUDED IN THE "CLEARING SITE" ITEM OF THE PROPOSAL.

32. SEPARATE PAYMENT WILL NOT BE MADE FOR SAWCUTTING OF ANY NATURE, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

33. PRIOR TO CONSTRUCTION OF ANY SUBBASE, BASE, OR PAVEMENT COURSE, ALL SOFT OR YIELDING PORTIONS OF THE SUBGRADE WHICH DO NOT ATTAIN THE REQUIRED STABILITY WILL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE "BASE REPAIR" DETAIL.

34. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING EXCAVATION, TRENCH BACKFILL AND RESTORATION SHALL BE COMPLETED USING BORROW EXCAVATION, SELECTED MATERIAL. ALL FILL SHALL BE PLACED IN 12" LAYERS AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRE, IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION. REPAIR AND/OR REPLACEMENT OF ANY DAMAGED UTILITIES SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.

36. ALL GRATING, LIDS, VALVE BOXES, WELL CAPS, SERVICE CAPS, ETC., SHALL BE RAISED BY CONTRACTORS SO THAT AFFECTED ITEMS ARE FLUSH WITH FINAL PAVING.

37. CONSTRUCTION ACTIVITIES WHICH CREATE OBNOXIOUS AND UNNECESSARY DUST, FUMES, ODORS, SMOKE, VIBRATION, OR GLARE NOTICEABLE IN OCCUPIED BUILDINGS ON SITE AND ADJOIN PROPERTIES AND STREETS SHALL NOT BE PERMITTED. IN ADDITION, CONSTRUCTION ACTIVITIES WHICH RESULT IN DAMAGE TO TREES AND LANDSCAPING IN OCCUPIED BUILDINGS ON SITE OR ADJOINING PROPERTIES SHALL NOT BE PERMITTED.

38. PUBLIC SIDEWALK CURB RAMP DELINEATION, PVC PAVERS WITH TRUNCATED DOMES SHALL BE 24"X48" OR 24"X60" ADA TILE (ADA SOLUTIONS (OR APPROVED EQUAL).

39. THE CONTRACTOR SHALL BE AWARE THAT THEY ARE REQUIRED TO NEATLY SAWCUT EXISTING CURB, DRIVEWAY, SIDEWALK, AND CURB RAMPS WHERE NECESSARY. ANY ADJACENT, EXISTING SECTIONS NOT SPECIFICALLY CALLED OUT ON PLANS TO BE REPLACED THAT ARE DAMAGED, SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE AND AT NO COST TO THE COUNTY OF CAMDEN.

40. COST TO RESTORE PAVEMENT MARKINGS ON ANY ADJACENT ROAD SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

SURVEY NOTES:

1. THE CONTRACTOR'S LICENSED LAND SURVEYOR SHALL PROVIDE THE CONSTRUCTION STAKEOUT FOR THE PROJECT.

2. DATUM: HORIZONTAL DATUM IS NJSPCS NAD 1983 (2011).
   VERTICAL DATUM IS NAVD 1988 (GEOID12B). PER GPS OBSERVATIONS UTILIZING LEICA SMART NET VRS NETWORK.

3. BLOCK AND LOT NUMBERS REFER TO THE OFFICIAL TAX MAP OF SOUTHAMPTON, BURLINGTON COUNTY, NEW JERSEY.

4. THE REFERENCED SURVEY(S) WERE PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN. EXISTING EASEMENT OF RECORD WERE NOT RESEARCHED IN THE PREPARATION OF THE REFERENCED SURVEY(S).

5. THIS PLAN HAS BEEN PREPARED BASED ON REFERENCES INCLUDING:
   5.1. OUTBOUND PLAN PREPARED BY ENVIRONMENTAL RESOLUTIONS, INC., DATED FEBRUARY 20, 2017, LAST REVISED JULY 21, 2017. THIS PLAN WAS SUPPLEMENTED BY FIELD WORK PERFORMED BY ENVIRONMENTAL RESOLUTIONS, INC. ON JULY 23, 2026.
   5.2. TOPOGRAPHIC MAP PREPARED BY RICHARD A. ALAIMO ASSOCIATES, DATED JULY 8, 2026.

6. PROPERTY LINES ARE SCALED FROM TAX MAPS.

7. SYMBOLS ARE FOR ILLUSTRATING PURPOSE ONLY, THEY ARE NOT NECESSARILY OF THE SAME TYPE AND OR SIZE OF THE OBJECT WHICH THEY REPRESENT.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PRACTICES OF THE STATE OF NEW JERSEY. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT STANDARDS AND REQUIREMENTS.

2. ALL CONSTRUCTION SOIL DISTURBANCES, INCLUDING UTILITY REMOVAL AND INSTALLATION, WHERE SOIL IS SUBJECT TO MOVEMENT OUTSIDE OF PROJECT LIMITS WILL REQUIRE SILT FENCING AROUND THE TEMPORARY CONSTRUCTION DISTURBANCE.

3. AREAS OF TEMPORARY DISTURBANCE SHALL BE RESTORED TO ORIGINAL GRADE AND SHALL BE REPLANTED WITH APPROPRIATE VEGETATION UPON COMPLETION OF CONSTRUCTION AS DIRECTED BY THE COUNTY.

4. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAY WILL BE REMOVED IMMEDIATELY. PAVED ROADS AND DRIVEWAYS MUST BE KEPT CLEAN AT ALL TIMES.

5. DUST/DIRT CONTROL/TRACKING: EMPLOY CONSTRUCTION METHODS THAT MINIMIZE AIRBORNE DUST AND PREVENT SOILS AND OTHER MATERIALS FROM BEING DEPOSITED ON EXISTING ROADWAYS. APPLY WATER OR OTHER APPROVED MATERIALS TO UNPAVED AREAS TO CONTROL DUST CAUSED BY CONSTRUCTION OPERATIONS.

6. INLET PROTECTION STRUCTURES SHALL BE PROVIDED ON ALL INLETS WITHIN THE PROJECT LIMITS.

7. THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION & SEDIMENT CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. THE COST TO PERFORM THIS WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

UTILITY NOTES:

1. THE CONTRACTOR IS ALERTED TO THE FACT THAT THERE ARE UTILITIES IN THIS AREA. THE UTILITIES HAVE BEEN LOCATED ON THE CONTRACT DRAWINGS VIA A FIELD SURVEY OF THE UTILITY MARKOUTS.

2. THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON SUBSURFACE UTILITY ENGINEERING LLC AND VACUUM EXCAVATOR INVESTIGATION PERFORMED BY TRINITY SUBSURFACE ON SEPTEMBER 2, 2026, AND

3. THE UTILITIES SHOWN ON THIS PLAN WERE SUPPLEMENTED BY AS-BUILT INFORMATION PROVIDED BY UTILITY COMPANIES.

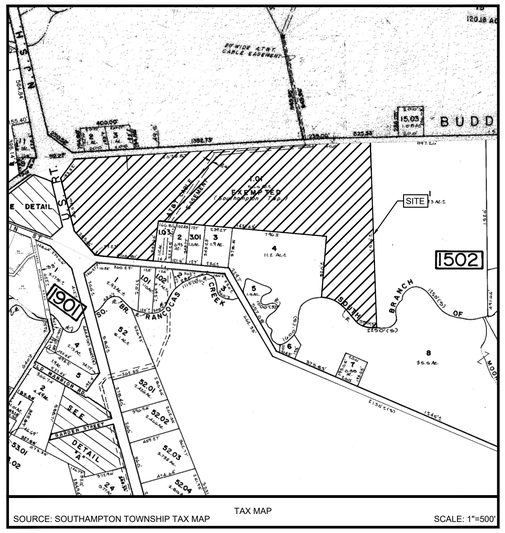
4. LIMITED EXCAVATIONS WERE MADE DURING THE PROCESS OF PREPARING CONSTRUCTION DOCUMENTS TO LOCATE BURIED UTILITIES. BEFORE CONSTRUCTION ACTIVITIES ARE BEGUN, THE UNDERGROUND UTILITIES LOCATION SERVICE AT 811 SHOULD BE CONTACTED AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OF EXCAVATION ACTIVITIES, IN ACCORDANCE WITH APPLICABLE LAWS, RULES AND REGULATION.

5. THE MARKOUT INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS DO NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF CONTACTING THE UTILITY TO ACCURATELY LOCATE ALL UTILITIES WHICH MAY INTERFERE WITH THE CONSTRUCTION OF THE PROJECT PRIOR TO THE START OF ALL WORK.

6. THE CONTRACTOR SHALL VERIFY THE LOCATION, SIZE, AND ELEVATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CONTACTING ALL UTILITY COMPANIES OPERATING WITHIN THE CONSTRUCTION AREA AND TO PERFORM TEST PITS AS NECESSARY TO CONFIRM SAME.

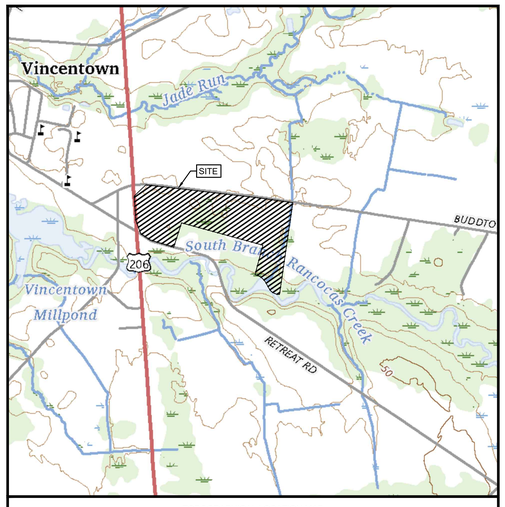
7. THE CONTRACTOR SHALL INCLUDE ALL THE LOCATION OF THE UTILITIES ON ANY APPLICABLE WORKING DRAWINGS.

8. THE COST FOR THE CONTRACTOR TO CONSULT THE UTILITY COMPANIES AND PERFORMING ANY TEST PITS/EXCAVATIONS TO CAREFULLY FIELD VERIFY THE LOCATION AND DEPTH OF THE UTILITIES SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL. NO SEPARATE PAYMENT SHALL BE MADE FOR UTILITY COORDINATION OR INVESTIGATION.



TAX MAP

SOURCE: SOUTHAMPTON TOWNSHIP TAX MAP SCALE: 1"=500'



SOURCE: USGS TOPOGRAPHICAL LOCATION MAP SCALE: 1"=2,000'

LEGEND OF SYMBOLS AND ABBREVIATIONS

TREELINE; TREE AND SIZE; PINE TREE AND SIZE; CHAIN LINK FENCE; SPLIT RAIL FENCE; LOT LINE (TAX MAP); EASEMENT LINE (TAX MAP); SANITARY SEWER LINE; STORM SEWER LINE; OVERHEAD WIRES; WATER LINE; GAS LINE; CABLE LINE; TELEPHONE LINE; ELECTRIC LINE; FIBER OPTIC LINE; EDGE OF PAVEMENT; CONTOUR LINE MAJOR; CONTOUR LINE MINOR; GUIDE RAIL; SILT FENCE; LIMIT OF DISTURBANCE; HANDICAP DESIGNATION; TOP OF WALL; BOTTOM OF WALL; TOP OF CURB GRADE; GUTTER GRADE; SPOT GRADE; IRRIGATION VALVE BOX; WATER METER; CONCRETE STOP; BOLLARD WITH SIGN; CONCRETE/MARBLE MONUMENT; REBAR; IRON PIN W/CAP; P.K. NAIL/CONTROL POINT; "B"-INLET; "A"-INLET; "E"-INLET; SANITARY MANHOLE; STORM MANHOLE; UTILITY POLE; WATER VALVE; FIRE HYDRANT; LIGHT POLE; FLAG POLE; DOUBLE SIDED SIGN; SIGN; SANITARY CLEANOUT; SANITARY VENT; ELECTRIC BOX; GAS VALVE; MAILBOX; CURB STOP; FIBER OPTIC BOX; TV BOX; TELEPHONE BOX; DENOTES BRICK; DENOTES CONCRETE; DENOTES STONE; DENOTES SEEDING AREA; DENOTES CONSTRUCTION ENTRANCE; ASPHALT CORE SAMPLE; STORMWATER BORING/TEST PIT; VACUUM EXCAVATOR TEST PIT; BOLLARD; INLET PROTECTION; DENOTES NUMBER OF STALLS; DENOTES FLUSH CURB; PROPOSED LIGHT; ASPHALT RESTORATION 6" DGA 4" HMA BASE COURSE 2" HMA SURFACE COURSE

THE CONTRACTOR WILL DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF CONSTRUCTION IN ACCORDANCE WITH NJAC 5:23-2.21 (e) OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE CFR 1926.32 (f) (OSHA COMPETENT PERSON)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH ABOVE AND BELOW THE GROUND SURFACE BEFORE EQUIPMENT ENTERS THE CONSTRUCTION SITE.

FINAL INQUIRIES TO "U.G. UTILITIES MARK-OUT" TELEPHONE NUMBER: 1-800-272-1000 AND TO "FIBER OPTIC MARK-OUT" TELEPHONE NUMBER: 1-800-272-1000 SHALL BE MADE BY THE CONTRACTOR WITHIN SEVEN (7) DAYS OF ENTERING THE SITE. THE CONTRACTOR SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANIES.

UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

811 Know what's below. Call before you dig.

APPROXIMATE LOCATION OF UNDERGROUND UTILITIES HAVE BEEN SHOWN ON THE PLANS. THE CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH AND VERIFY CONDITIONS AT THE SITE. THE CONTRACTOR SHALL MAKE DILIGENT INQUIRY AT THE OFFICE OF UTILITY COMPANIES, MUNICIPAL AUTHORITIES AND OTHER OPERATORS OF UNDERGROUND SYSTEMS TO DETERMINE THE EXACT LOCATION OF UTILITY STRUCTURES. PURSUANT TO P.L. 1994 CHAPTER 118 "UNDERGROUND FACILITY PROTECTION ACT". THE CONTRACTOR SHALL, AS A MINIMUM, CONTACT THE NEW JERSEY ONE - CALL SYSTEM AT 811 OR 1-800-272-1000 AT LEAST 3 DAYS PRIOR TO COMMENCING WORK, TO NOTIFY THIS AGENCY OF THIS PROJECT AND TO COORDINATE LOCATION OF UNDERGROUND FACILITIES IN THE VICINITY OF THIS PROJECT.

SERVICE	COMPANY AND CONTACT
TELEPHONE:	VERIZON
	10 TANSBORO ROAD
	BERLIN, NJ 08009
	(856) 306-8592
CABLE:	COMCAST
	1250 HADDONFIELD-BERLIN ROAD
	CHERRY HILL, NJ 08034
	(856) 669-0122
ELECTRIC:	PSE&G
	4140 QUAKERBRIDGE ROAD
	LAWRENCEVILLE, NJ 08648
	609-743-5152
GAS:	PSE&G
	3 TERI LANE, SUITE 6
	BURLINGTON, NJ 08016
	609-381-0530
WATER:	NEW JERSEY AMERICAN WATER
	204 CARRIAGE LANE
	DELRAN, NJ 08075
	856-255-2049
SEWER:	MIDDLESEX WATER COMPANY
	485C ROUTE 1 SOUTH, SUITE 40
	ISELIN, NJ 08830
	(732) 634-1500

SCHEDULE OF SHEETS

TS-1	SITE IMPROVEMENTS NOTES AND KEY MAPS
CP-1	DEMOLITION & SITE PLANS
CP-2	GRADING & UTILITY PLAN & DETAILS
CP-3	LANDSCAPE PLAN & DETAILS
CP-4	SOIL EROSION & SEDIMENT CONTROL PLAN & DETAILS
CD-1	CONSTRUCTION DETAILS

ISSUED FOR BID 10-1-2026

Rakesh R. Darji — 10.01.2026 DATE
N.J. PROFESSIONAL ENGINEER
No. 24GE04289100

ENVIRONMENTAL RESOLUTIONS, INC.
Engineers • Planners • Scientists • Surveyors
815 East Gate Drive - Suite 103
Mount Laurel, New Jersey 08054-3415
Tel. 856-235-7170 Fax 856-273-9239
CERTIFICATE OF AUTHORIZATION NUMBER: 24GA27974500

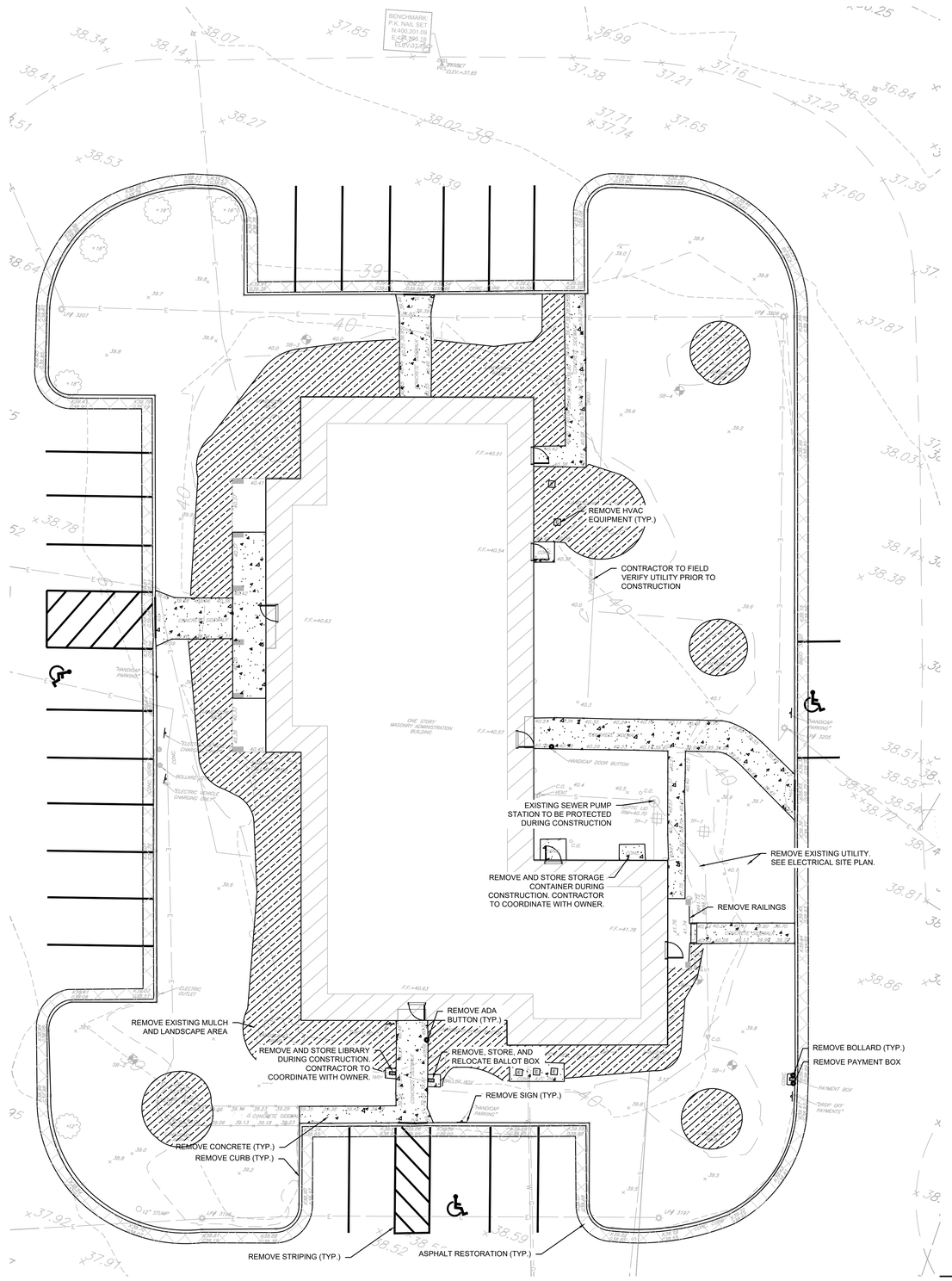
PLAN NAME:
SITE IMPROVEMENT NOTES & KEY PLAN

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
BLOCK 1502, LOT 1.01
SOUTHAMPTON TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

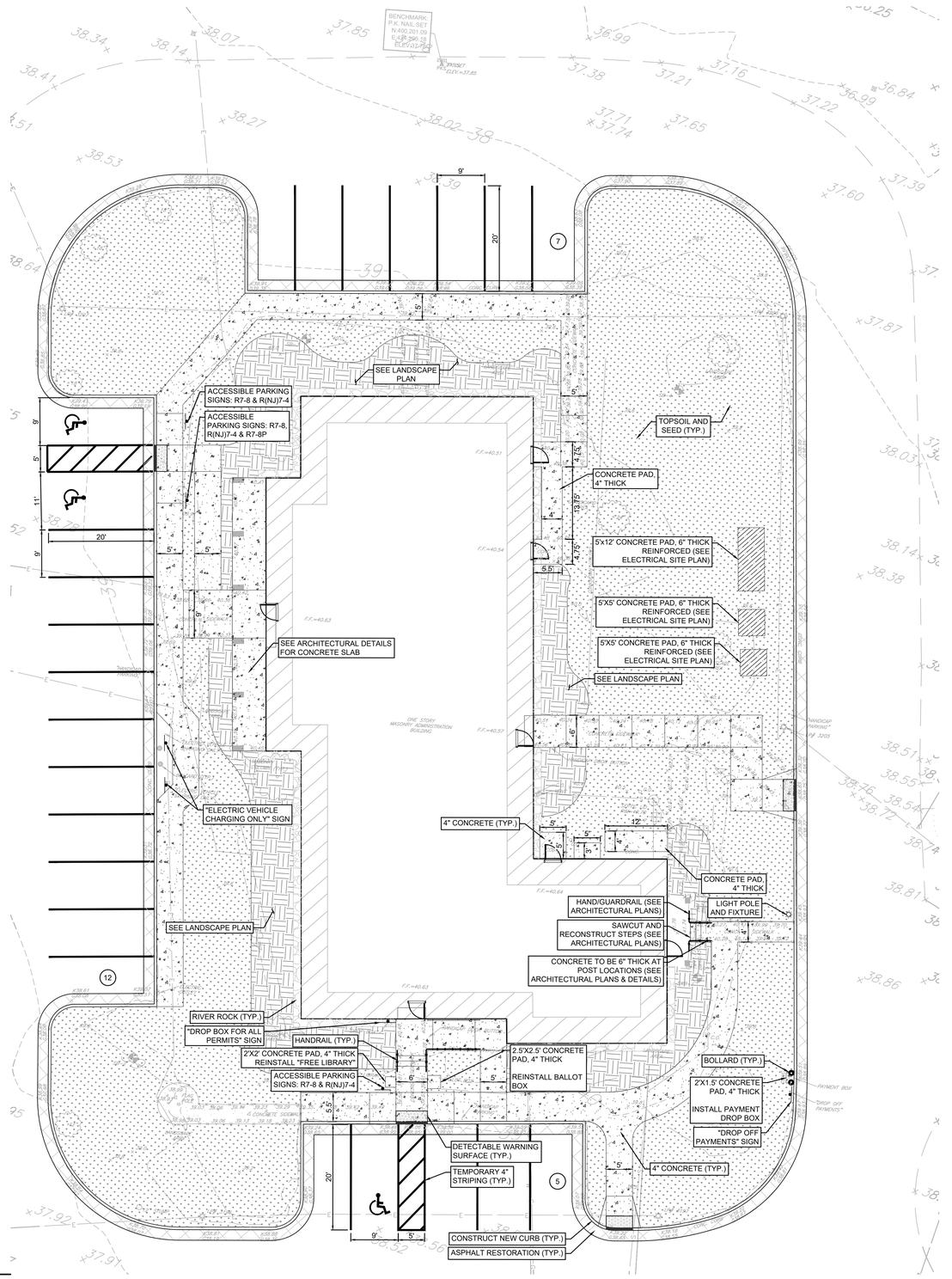
NO.	REVISION AND DATE

SHEET NUMBER: TS-1

PROJECT #: 70527-06 | DRAWN: DSH | DESIGN: RRD | DATE: 10.01.2026
FILE: 01-TITLE_SHEET | SCALE: NOTED | SHEET: 1 OF 6



DEMOLITION PLAN — SCALE: 1"=10'



SITE PLAN — SCALE: 1"=10'

DEMOLITION PLAN NOTES:

1. CONTRACTOR REQUIRED TO COORDINATE WITH PSE&G REGARDING REMOVALS OF ALL UTILITY POLES, LIGHTING AND WIRING.
2. CONTRACTOR SHALL PATCH BRICK OR MORTAR WHERE SIGNS TO BE REMOVED ARE MOUNTED ON BUILDING WALLS. COLOR SHALL MATCH EXISTING BRICK AND MORTAR COLORS.
3. PRIOR TO DEMOLITION, DESIGN TEAM & CONTRACTOR SHALL WALK THE SITE TO CONFIRM LIMITS OF DEMOLITION.
4. CONTRACTOR TO VERIFY LOCATION AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
5. TEMPORARY 6-FOOT-HIGH CHAIN-LINK FENCING SHALL BE PROVIDED AROUND AREAS OF IMPROVEMENTS.
6. WHERE FOOTINGS ARE BEING REMOVED CONTRACTOR SHALL FILL AND COMPACT ANY AREAS WITH CLEAN FILL PER THE SPECIFICATIONS.
7. ALL ASPHALT SHALL BE SAW CUT AT LOCATIONS WHERE ASPHALT SHALL REMAIN.
8. CONCRETE CURB TO BE REMOVED SHALL BE SAWCUT AT LOCATIONS WHERE CURB IS TO REMAIN.
9. CONTRACTOR SHALL PROTECT BUILDING, CANOPIES, DOORS, AND WINDOWS DURING DEMOLITION AND CONSTRUCTION. ANY DAMAGE TO THE BUILDING DUE TO CONSTRUCTION ACTIVITIES SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
11. ALL TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. SEE SOIL EROSION AND SEDIMENT CONTROL PLANS.
12. CONTRACTOR SHALL REMOVE EXISTING STRIPING BY BLACKING OUT THE STRIPING OR VIA A METHOD APPROVED BY THE ENGINEER.

SITE PLAN NOTES:

1. REFER TO SITE PLANS AND DETAILS FOR STAIR AND RAMP CONSTRUCTION.
2. FINAL TREE LOCATIONS TO BE DETERMINED IN FIELD.
3. ALL AREAS BEYOND SIDEWALKS, PLAYGROUND AREAS OR ANY IMPROVEMENT SHALL BE RESTORED AND REGRADED UP TO 3' BEYOND EDGE OF PAVEMENT WITH TOPSOIL & SEED UNLESS OTHERWISE INDICATED.
4. ALL LOCATIONS WITH GREATER THAN 6:1 SLOPE SHALL RECEIVE SOIL EROSION FABRIC.
5. ALL CONCRETE SURFACES ARE TO BE SCORED BY TOOLING OR SAWCUTTING.
6. PROVIDE 4" WHITE WATERBORNE TRAFFIC MARKING PAINT FOR ALL TEMPORARY PARKING STALL STRIPING AND PAVEMENT MARKINGS SHOWN ON THE PLANS.
7. CONTRACTOR SHALL MAINTAIN ALL TEMPORARY PAVEMENT MARKINGS IN A CLEARLY VISIBLE AND SERVICEABLE CONDITION FOR THE DURATION OF THE TEMPORARY CONDITION. RESTRIPE AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
8. MAINTAIN REQUIRED ACCESSIBLE PARKING SPACES, ACCESS AISLES, ACCESSIBLE ROUTES, AND ASSOCIATED SIGNAGE THROUGHOUT THE TEMPORARY CONDITION.

GRAPHIC SCALE (HORIZONTAL)

10 0 5 10 20 40

(IN FEET)

1 inch = 10 ft.

ISSUED FOR BID 10-1-2026

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N.J. PROFESSIONAL ENGINEER
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PLAN NAME:
DEMOLITION & SITE PLAN

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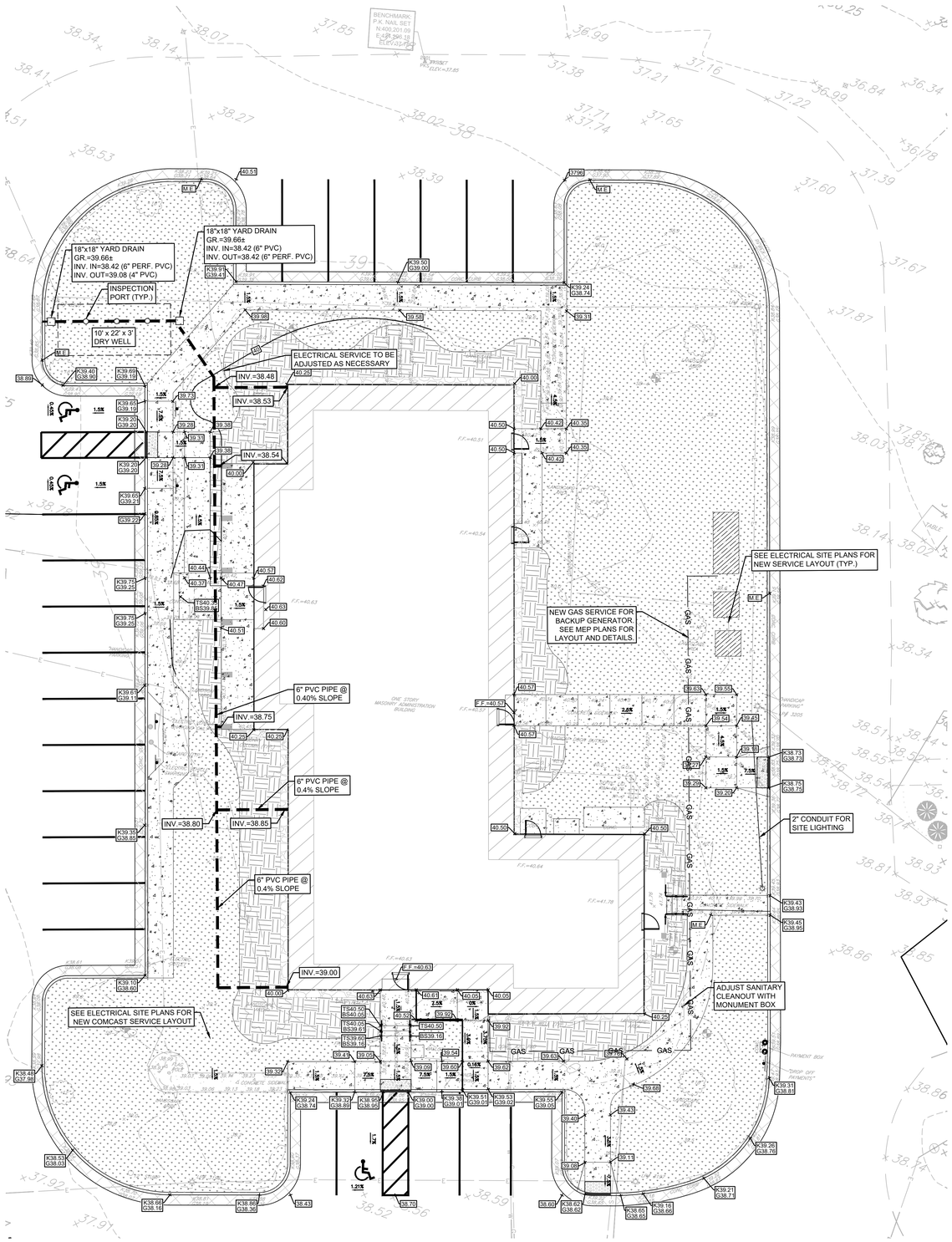
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
BLOCK 1502, LOT 1.01
SOUTHAMPTON TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

NO.	REVISION AND DATE

SHEET NUMBER: CP-1

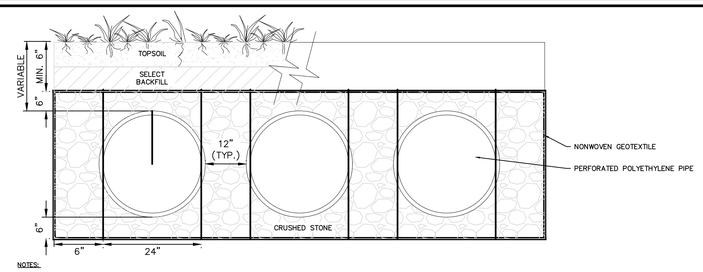
PROJECT #: 70527-06 | DRAWN: DSH | DESIGN: RRD | DATE: 10.01.2026
FILE: 02-CONSTRUCTION | SCALE: 1"=10' | SHEET: 2 OF 6



GRADING & UTILITY PLAN — SCALE: 1"=10'

GRADING & UTILITY PLAN NOTES:

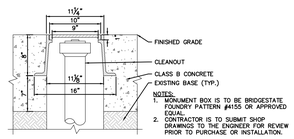
1. CONTRACTOR SHALL BE REQUIRED TO CONFIRM ALL EXISTING GRADES PRIOR TO CONSTRUCTION.
2. ACCESSIBLE SPACES SHALL NOT TO HAVE SLOPES GREATER THAN 2% IN ANY DIRECTION.
3. SIDEWALKS & ACCESSIBLE ROUTES SHALL NOT HAVE CROSS SLOPES GREATER THAN 2%.
4. RUNNING SLOPES OF SIDEWALKS NOT TO EXCEED 5%.
5. RAMP LANDING SHALL NOT HAVE SLOPES GREATER THAN 2% IN ANY DIRECTION.
6. LANDINGS AT DOORS SHALL BE MINIMUM OF 6' AND NOT TO HAVE SLOPES IN EXCESS OF 2% IN ANY DIRECTION.
7. GRADING OF ASPHALT PAVING AREAS SHALL NOT BE LESS THAN 0.5%.
8. CONTRACTOR TO FEATHER ADJACENT GRADE BY CUTTING OR FILLING TO MEET NEW ELEVATION OF SIDEWALK OR CURBING. DISTURBED LAWN/PLANTED AREAS TO BE TOPSOIL & SEEDED OR MULCHED PER EXISTING CONDITIONS.
9. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE TO ALL STORM INLETS.
10. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.
11. RAMPS SHALL NOT EXCEED 30' IN LENGTH.
12. RAMP RUNNING SLOPES SHALL NOT EXCEED 8.33%, RAMPS ARE DESIGNED TO HAVE A MAXIMUM 7.5% RUNNING SLOPE.
13. CONTRACTOR TO FIELD VERIFY EXISTING IRRIGATION SYSTEM. EXISTING IRRIGATION SYSTEM TO BE PROTECTED DURING CONSTRUCTION, AND IRRIGATION HEADS AND VALVES TO BE ADJUSTED TO FINISHED GRADE.
14. IRRIGATION SYSTEM CONTROLLER TO BE REPLACED AND INSTALLED BY A LICENSED IRRIGATION INSTALLER. NEW CONTROLLER TO BE RAIN BIRD ESP4ME MODEL WITH RAIN SENSOR ACCESSORY.



NOTES:

1. PERFORATED POLYETHYLENE PIPE SHALL BE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC. (A.D.S.), COLUMBUS OHIO OR APPROVED EQUIVALENT BY DESIGN ENGINEER.
2. ALL AGGREGATE FILTER MATERIAL SHALL BE CLEAN, CRUSHED STONE (NONDETERIORATING) 1" – 1.5" DIA., FREE OF "FINES". AGGREGATE SHALL BE REVIEWED AND APPROVED BY DESIGN ENGINEER PRIOR TO START OF CONSTRUCTION.
3. IMMEDIATELY UPON COMPLETION OF INSTALLATION, STABILIZE FINISHED SURFACE BY SEEDING, SODDING OR MULCHING TO PROHIBIT SOIL EROSION.
4. MINIMUM COVER TO TOP OF PIPE SHALL BE 1'–0".

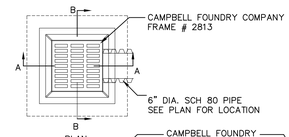
DRY WELL — **N.T.S.**



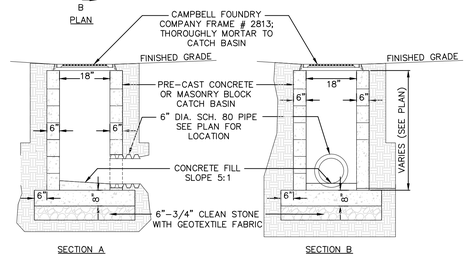
NOTES:

1. MONUMENT BOX IS TO BE BRIDGESTATE FOUNDRY PATTERN #4155 OR APPROVED EQUAL.
2. CONTRACTOR IS TO SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE OR INSTALLATION.

CLEANOUT MONUMENT BOX — **N.T.S.**

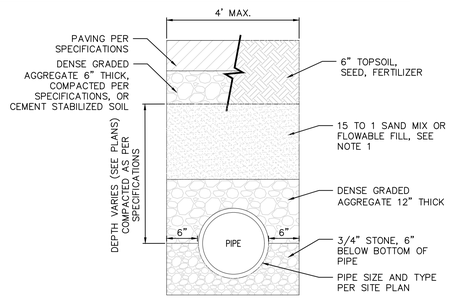


PLAN



SECTION A — SECTION B

18" YARD DRAIN — **N.T.S.**



NOTES:

1. THE BACKFILL MATERIAL SHALL BE 15 TO 1 SAND MIX OR FLOWABLE FILL, AT THE DIRECTION OF THE ENGINEER, BACKFILL MAY BE THE EXCAVATED MATERIAL.
2. THE CONTRACTOR IS TO PROVIDE MIX DESIGNS FOR THE BACKFILL MATERIAL, STONE, TOPSOIL, FERTILIZER, AND SEED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PURCHASE OR INSTALLATION.

PIPE TRENCH — **N.T.S.**

GRAPHIC SCALE (HORIZONTAL)

10 5 5 10 20 40

(IN FEET)
1 inch = 10 ft.

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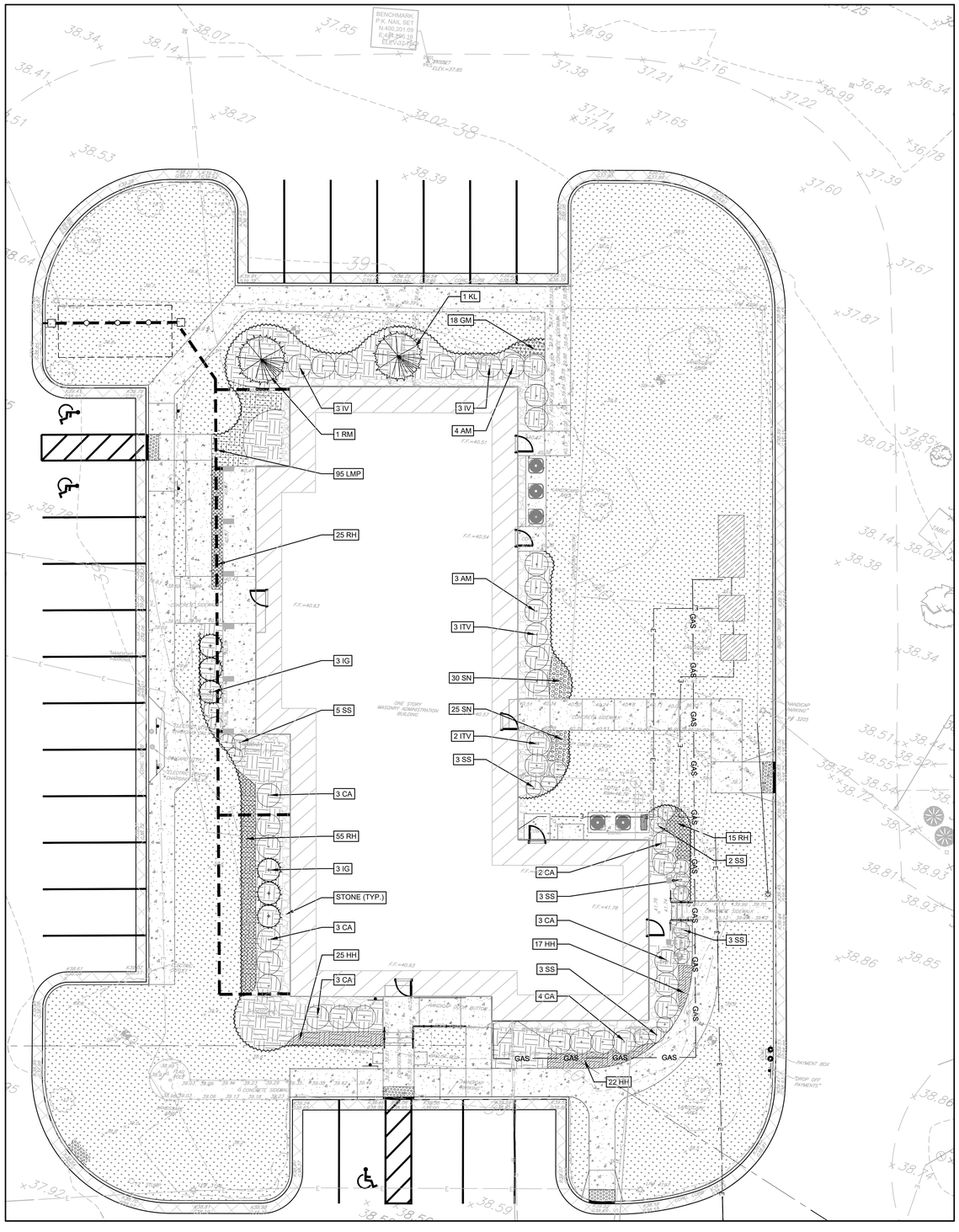
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
BLOCK 1502, LOT 1.01
SOUTHAMPTON TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

NO.	REVISION AND DATE

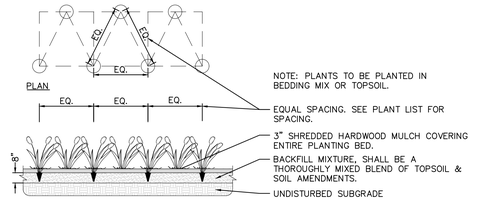
SHEET NUMBER: CP-2

PROJECT #: 70527-06 | DRAWN: DSH | DESIGN: RRD | DATE: 10.01.2026
FILE: 02-CONSTRUCTION | SCALE: 1"=10' | SHEET: 3 OF 6



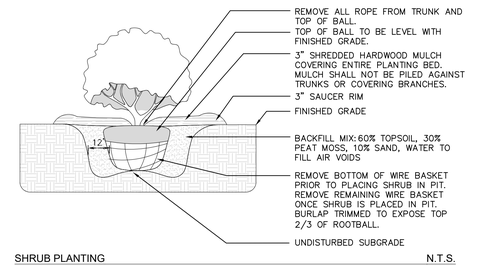
LANDSCAPE PLAN SCALE: 1"=10'

CONSTRUCTION NOTES:
1. ALL MATERIALS TO BE LAID OUT IN THE FIELD PRIOR TO INSTALLATION.
2. ALL PLANT MATERIALS TO BE MAINTAINED FOR 2-YEAR PERIOD. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY PLANT MATERIALS THAT DIES.



SECTION

GROUNDCOVER PLANTING N.T.S.



SHRUB PLANTING N.T.S.

Plant Schedule

Key	QTY.	Scientific Name	Common Name	Size	Height	Container	Comments
Shrubs - Evergreen							
IG	6	Ilex glabra	Inkberry	#3	24-30"		
KL	1	Kalmia latifolia	Mountain Laurel		4-5'		
RM	1	Rhododendron maximum	Rhododendron	#3	18-24"		
SUBTOTAL:	8						
Shrubs - Deciduous							
AM	7	Aronia melanocarpa	Black Chokeberry	#3	18-24"		
CA	18	Clethra alnifolia	Sweet Pepperbush	#3	15-18"		
ITV	5	Itea virginica	Summer sweet	#3	18"		
IV	6	Ilex verticillata	Winterberry	#3	24-30"		
SUBTOTAL:	36						
Perennials							
GM	18	Geranium maculatum	Spotted Cranesbill			#1	Plant 18" O.C.
HH	64	Hemerocallis 'Happy Returns'	Happy Returns Daylily			#1	Plant 18" O.C.
LMB	95	Liriope muscari 'Big Blue'	Lily Turf			LP	Plant 12" O.C.
RH	95	Rudbeckia hirta	Black-Eyed Susan			#1	Plant 18" O.C.
SN	55	Symphyotrichum novi-belgii	New York Aster			#1	Plant 18" O.C.
SS	19	Schizachyrium scoparium	Little Bluestem			LP	Plant 12" O.C.
SUBTOTAL:	346						

GENERAL PLANTING NOTES

1. CONTRACTOR TO PROVIDE WATER.
2. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS AND CLEANUP.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY MARK OUTS AND COMPLIANCE WITH ALL FEDERAL, STATE, LOCAL CODES, LAWFUL ORDERS OR REGULATIONS GOVERNING UPON THIS WORK.
4. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL-DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES. ALL PLANTS SHALL BEAR LEGIBLE NURSERY TAGS.
5. SEED SHALL BE PERFORMED BETWEEN MARCH 1ST TO MAY 15TH OR SEPTEMBER 1ST TO OCTOBER 15TH DEPENDING UPON PREVAILING WEATHER.
6. PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK PLANTS WHICH HAVE NOT BEEN PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY.
7. QUALITY, BRANCHING AND SIZE OF PLANTS, INCLUDING ROOT SIZE, SHALL BE IN ACCORDANCE WITH "AMERICAN STANDARDS FOR NURSERY STOCK" ANSI Z60 (MOST RECENT EDITION) AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
8. B&B PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY. PLANTS WITH BROKEN, SPLIT, OR DAMAGED ROOT BALLS SHALL BE REJECTED. THE ENTIRE WIRE BASKET SHALL BE CUT AWAY WITH TOOLS THAT DO NOT DAMAGE THE INTEGRITY OF THE ROOTBALL, BEFORE COVERING ROOT BALL WITH SOIL. BURLAP SHALL BE REMOVED FROM AT LEAST THE TOP 2/3 OF THE ROOT BALL BEFORE COVERING ROOT BALL WITH SOIL.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. SET PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT, AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
10. NO PLANTING HOLES ARE TO BE EXCAVATED IN ADVANCE. THE PLANTING HOLES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO THE START OF PLANTING OPERATIONS.
11. BACKFILL MIXTURE SHALL BE THE EXISTING NATIVE TOPSOIL OR 'A' HORIZON. IF DETERMINED TO BE UNSUITABLE ON SITE, AN APPROVED IMPORTED TOPSOIL WITH SIMILAR SOIL CHARACTERISTICS TO THE NATIVE TOPSOIL SHALL BE USED. UNSUITABLE EXCAVATED MATERIAL IS TO BE REMOVED FROM THE SITE AND DISPOSED OF AT THE CONTRACTOR'S SOLE EXPENSE. MYCORRHIZA INNOCULANTS WITH A DIVERSE SPECIES FORMULATION SHALL BE ADDED TO THE PLANTING PIT.
12. AREAS TO BE LANDSCAPED SHALL RECEIVE STOCKPILED TOPSOIL TO A MINIMUM DEPTH OF SIX(6) INCHES, ORGANIC MATTER CONTENT OF TOPSOIL SHALL BE A MINIMUM OF 4 PERCENT. IN THE EVENT THAT ORGANIC MATTER CONTENT IS DEFICIENT, SOIL AMENDMENTS SHALL BE ADDED AS NECESSARY TO ACHIEVE THE REQUIRED PERCENTAGE.
13. PAVEMENT REMOVAL IN AREAS PROPOSED FOR LANDSCAPING SHALL INCLUDE REMOVAL OF ALL SUBBASE MATERIAL AND REPLACEMENT WITH TOPSOIL.
14. ALL TREE PITS AND PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 3-4 INCHES WITH SHREDDED HARDWOOD MULCH. MULCH SHALL NOT BE IN CONTACT WITH TRUNKS OF TREES OR SHRUBS, AND SHALL NOT COVER LOWER BRANCHES OF SHRUBS AND EVERGREEN / MULTISTEM TREES. ALL BEDLINES SHALL BE CUT 4" DEEP INTO A "V" SHAPED GROOVE TO PROVIDE A WELL-DEFINED EDGE. THE LAYOUT OF ALL BEDLINES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT, ON-SITE, PRIOR TO CUTTING. PLANTS SHALL BE THOROUGHLY WATERED AFTER MULCHING.
15. ALL PLANT MATERIAL LOCATIONS ARE APPROXIMATE, AND THE FINAL LOCATION OF ALL PLANTS, INCLUDING TRANSPLANTED TREES, SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT ON-SITE PRIOR TO PLANTING.
16. IF AND WHEN DIRECTED BY THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TREE GUYS, STAKES, SUPPORTS AND MULCH RINGS OR BEDS DURING CONSTRUCTION AND THE TWO (2) YEAR MAINTENANCE PERIOD. TREES SHALL NOT BE WRAPPED. ALL TREE STAKES AND GUY WIRES SHALL BE REMOVED AFTER ONE (1) YEAR. ONLY THOSE TREES THAT REQUIRE STRAIGHTENING SHALL BE STAKED BEYOND ONE (1) YEAR AFTER PLANTING. ALL REMAINING STAKE/GUY MATERIALS SHALL BE REMOVED BEFORE THE TWO (2) YEAR INSPECTION.
17. THE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF THE PROPOSED PLANT MATERIAL.
18. STREET AND PARKING LOT TREES SHALL BE PRUNED OF ANY BRANCHES THAT INTERFERE WITH PEDESTRIANS, VEHICLES, OR SIGNS, MIN. VERTICAL CLEARANCE HT. SHALL BE 6' ABOVE PAVED SURFACES. STREET TREES MUST BE SINGLE TRUNK, FULL, UNIFORM SPECIMENS.
19. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITIONS WILL BE RESOLVED BY THE LANDSCAPE ARCHITECT IN THE FIELD.
20. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO (2) FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
21. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTABLE LOCAL PRACTICE. TREES AND SHRUBS SHOULD BE INSTALLED DURING THE FOLLOWING FALL AND SPRING SEASONS DEPENDING UPON THE LOCATION OF THE PROPOSED PLANTS.

FALL	AUG. 15 – DEC. 15	EVERGREEN TREES
	OCT. 15 – DEC. 15	DECIDUOUS TREES
SPRING	MAR. 1 – MAY 15	ALL PLANTS

THE CONTRACTOR SHALL SUBMIT A WRITTEN PROPOSED WORK SCHEDULE TO THE LANDSCAPE ARCHITECT, FOR APPROVAL AT LEAST TWO (2) WEEKS PRIOR TO BEGINNING OPERATIONS. AFTER THE SCHEDULE IS ACCEPTED NO MODIFICATIONS WILL BE PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT.

22. THE CONTRACTOR SHALL ADHERE TO THE MAINTENANCE SCHEDULE AS DESCRIBED BELOW AND IN THE SPECIFICATIONS.
23. THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF TWO (2) YEAR AFTER THE LANDSCAPE ARCHITECT'S FINAL ACCEPTANCE OF ALL PLANTING AT NO ADDITIONAL COST TO THE OWNER, UNLESS OTHERWISE OBLIGATED BY CONTRACT. THE CONTRACTOR SHALL REPLACE ANY TREES, SHRUBS OR PLANTS THAT ARE DEAD OR THAT ARE, IN THE OPINION OF THE LANDSCAPE ARCHITECT, UNHEALTHY, UNSIGHTLY OR HAVE LOST THEIR DESIGN VALUE OR NATURAL SHAPE BECAUSE OF DEAD BRANCHES, EXCESSIVE PRUNING, OR INADEQUATE OR IMPROPER MAINTENANCE. ALL THE ABOVE MENTIONED MATERIAL WILL BE REMOVED IMMEDIATELY UPON DIRECTION OF THE LANDSCAPE ARCHITECT AND REPLACEMENT PLANTING IS TO BE COMPLETED PER PROJECT SPECIFICATION.
24. ALL DEAD OR SEVERELY DECLINING PLANTS SHALL BE REPLACED WITH IN THE NEXT GROWING SEASON, DURING THE PERFORMANCE AND MAINTENANCE BOND PERIOD.
25. PLANS DICTATE QUANTITIES OVER PLANT SCHEDULE.

LANDSCAPE MAINTENANCE

1. MAINTENANCE PROCEDURES SHALL BE CARRIED OUT BY TRAINED PERSONNEL TO PROMOTE THE ESTABLISHMENT OF THE TREES AND SHRUBS AND ENSURE THAT THEY ARE IN HEALTHY AND VIABLE CONDITION TWO (2) YEARS AFTER PLANTING AT SITE.
2. WATER TREES AND SHRUBS AS NECESSARY THROUGHOUT SPRING, SUMMER AND FALL, TO ENSURE THE EQUIVALENT OF 1" OF RAINFALL IS APPLIED EACH WEEK, IF SUFFICIENT RAINFALL HAS NOT OCCURRED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE WATER IF NO SUITABLE IRRIGATION OR WATER SOURCE IS AVAILABLE ON SITE.
3. INSPECTIONS SHALL CONSIST OF REGULAR VISITS TO THE PLANTING SITES BY THE CONTRACTOR TO DETERMINE THE HEALTH AND NEEDS OF THE TREES. INSPECTION TIMES AND DATES ARE THE RESPONSIBILITY OF THE CONTRACTOR, BUT A MINIMUM OF FOUR (4) INSPECTIONS SHALL BE CONDUCTED DURING THE YEAR, WITH ONE SCHEDULED DURING EACH OF THE MONTHS OF APRIL, MAY, JUNE AND NOVEMBER.
4. THE MULCH RINGS OF CALIPER SIZE TREES SHALL BE KEPT FREE OF WEEDS BY USING EITHER CHEMICAL CONTROLS OR HAND WEEDING, FOUR (4) TIMES PER YEAR. ANY PRE EMERGENT OR POST EMERGENT WEED CONTROL APPLICATION SHALL BE APPLIED IN A MANNER CONSISTENT WITH THE LABEL AND ALL STATE AND FEDERAL REGULATIONS, AND ONLY TARGET THE UNDESIRABLE PLANTS.
5. TREE STAKES AND SUPPORTING MATERIALS SHALL BE MAINTAINED ACCORDING TO THE PLANTING SPECIFICATIONS, OR REPLACED AS NECESSARY DURING THE FIRST MAINTENANCE YEAR. SEE PLANTING DETAIL. ALL STAKING AND GUY MATERIALS SHALL BE REMOVED AND LEGALLY DISPOSED OF BY THE CONTRACTOR AT THE END OF THE FIRST YEAR, UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT NO STAKING / GUYING MATERIAL SHALL REMAIN AFTER TWO (2) YEARS, UNLESS SUBSURFACE ROOTBALL ANCHORS ARE USED.
6. ANY TREE THAT DEVIATES FROM A VERTICAL POSITION SHALL BE ADJUSTED SO THAT THE MAIN TRUNK IS PLUMB IN TWO DIRECTIONS THAT ARE 90 DEGREES FROM EACH OTHER. ALL CARE SHALL BE TAKEN NOT TO HARM THE ROOT BALL OR ROOT SYSTEM OF THE TREE DURING RESETTING OPERATIONS.
7. TREES SHALL BE KEPT FREE OF DISEASE OR INSECT INFESTATIONS THAT CAN AFFECT THEIR HEALTH OR ESTABLISHMENT. INTEGRATED PEST MANAGEMENT TECHNIQUES SHALL BE EMPLOYED BY THE CONTRACTOR IN THE CORRECT SEASON TO MINIMIZE OR ALLEVIATE THE UNDESIRABLE CONDITION. ANY PEST CONTROL APPLICATION SHALL BE APPLIED IN A MANNER CONSISTENT WITH THE LABEL AND ALL STATE AND FEDERAL REGULATIONS, AND SHALL ONLY TARGET THE UNDESIRABLE PESTS AND THE AFFECTED PLANTS.
8. A BALANCED SLOW RELEASE FERTILIZER SHALL BE APPLIED AT THE RECOMMENDED RATE AT THE END OF THE FIRST GROWING SEASON IN LATE FALL. THE FERTILIZER SHALL BE FORMULATED FOR TREES AND APPROVED BY THE LANDSCAPE ARCHITECT, PRIOR TO APPLICATION. THE APPLICATION MAY BE MADE BY EITHER SOIL INJECTION ALONG THE OUTSIDE OF THE MULCH RING, OR BY APPLYING A GRANULAR FORM TO THE MULCH RING AREA. ANY FERTILIZER APPLICATION SHALL BE APPLIED IN A MANNER CONSISTENT WITH THE LABEL AND ALL STATE AND FEDERAL REGULATIONS.
9. PRUNING SHALL BE DONE ONLY TO DEAD, BROKEN, DISEASED OR INFESTED BRANCHES DURING THE MAINTENANCE PERIOD, AND SHALL BE IN ACCORDANCE WITH THE NJ BOARD OF TREE EXPERTS' PRUNING STANDARDS FOR SHADE TREES.

ROOT PRUNING NOTES:

1. ROOT PRUNING SHALL BE DONE IN CONJUNCTION WITH AN ISA CERTIFIED ARBORIST. PRUNING SHALL BE DONE BY HAND, WITH ROOT PRUNING EQUIPMENT.
2. SOIL AMENDMENTS: TREES THAT TEND TO GO INTO SHOCK WHEN THEIR ROOT SYSTEMS ARE DISTURBED WILL RECOVER MORE RAPIDLY BY ADDING THE PROPER SOIL MIX INTO THE ROOT PRUNE CUT ON THE TREE SIDE OF THE ROOT BARRIER.
3. PRUNING OF ROOT CROWN: ROOT PRUNING UNAVOIDABLY IMPAIRS ANCHORAGE TO SOME EXTENT. PRUNING OF LARGER ROOTS, OR PRUNING CLOSER TO THE TRUNK WILL HAVE A MORE ADVERSE EFFECT ON ANCHORAGE. THEREFORE, THE FOLIER CANOPY SHOULD BE THINNED IN CONJUNCTION WITH ROOT PRUNING TO BALANCE TOP AND BOTTOM GROWTH.
4. WHEN TO PRUNE: WHEN FEASIBLE, ROOT PRUNING SHOULD BE DONE AFTER THE END OF LOCAL HIGH WIND SEASON (WINTER) OR FIVE OR SIX MONTHS BEFORE ONSET OF SEASONAL HIGH WINDS. WHEN THERE IS A LIKELIHOOD OF EXCESSIVE WIND AND/OR RAIN, RISK OF POST-PRUNING TREE LOSS IS HIGH. EXCEPTIONAL CARE MUST BE TAKEN IN ANY ROOT PRUNING OPERATION.
5. MINIMUM DISTANCE FROM TRUNK: FOLLOW TABLE A. ROOT PRUNING CLOSER THAN 3 TIMES TREE TRUNK DIAMETER FROM THE TREE BASE IS NOT RECOMMENDED, DUE TO INCREASED INJURY/INFECTION AT PRUNING SITE, AND TO INCREASED DANGER OF TREE-FALL FROM IMPAIRED ANCHORAGE.

TABLE A. GENERAL GUIDE FOR MINIMUM DISTANCE FOR ROOTCUT

TRUNK CALIPER MEASURED AT 12" ABOVE GROUND	ROOTCUT DISTANCE (3X TRUNK CALIPER)
4"	12"
6"	18"
8"	24"
10"	30"
12"	36"
14"	42"
16"	48"
18"	54"
20"	60"

GRAPHIC SCALE (HORIZONTAL)

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

ISSUED FOR BID 10-1-2026

Neil J. Werket
N.J. LICENSED LANDSCAPE ARCHITECT No. 21AS00130100
10.01.2026 DATE

ENVIRONMENTAL RESOURCES, INC.
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CERTIFICATE OF AUTHORIZATION NUMBER: 24GA27974500

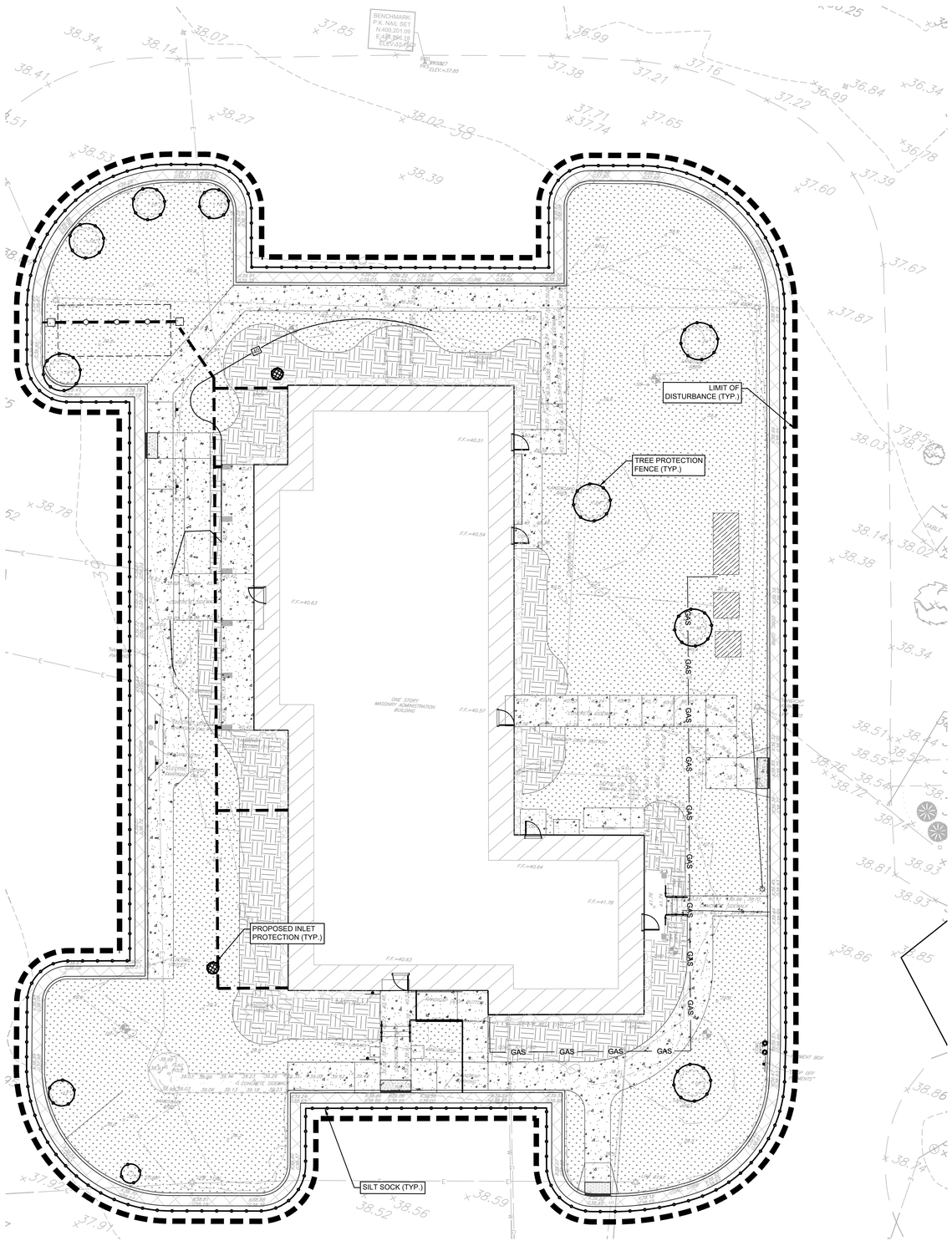
PLAN NAME:
LANDSCAPE PLAN & DETIALS

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
BLOCK 1502, LOT 1.01
SOUTHAMPTON TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

NO.	REVISION AND DATE

SHEET NUMBER: CP-3

PROJECT #: 70527-06 | DRAWN: DSH | DESIGN: RRD | DATE: 10.01.2026
FILE: 03-LANDSCAPE | SCALE: NOTED
SHEET: 4 OF 6



SOIL EROSION & SEDIMENT CONTROL PLAN SCALE: 1"=10'

SOIL DISTURBANCE GUIDELINES:

THE PROPERTY IS LOCATED IN A FORMATION WHICH MAY CONTAIN ACID PRODUCING SOILS. THE FOLLOWING PROCEDURES SHALL BE FOLLOWED TO MINIMIZE THE POTENTIAL IMPACT IF ACID PRODUCING SOILS ARE UNCOVERED.

1. THE GUIDELINES IN THE SOIL EROSION AND SEDIMENT CONTROL NOTES ARE TO BE FOLLOWED.
2. MINIMIZE THE TIME DISTURBED SOILS ARE EXPOSED TO THE AIR.
3. STABILIZE AREAS WHICH ARE NOT CURRENTLY UNDER CONSTRUCTION WITH MULCH OR TEMPORARY SEEDING.

IF ACID PRODUCING SOILS ARE UNCOVERED DURING CONSTRUCTION, FOLLOW THE PROCEDURES BELOW:

A. STOCKPILE ACID PRODUCING SOILS SEPARATELY FROM REGULAR SOIL.

B. IF THE ACID PRODUCING SOILS WILL BE EXPOSED FOR MORE THAN 8 HOURS, COVER THEM WITH CRUSHED LIMESTONE AT A RATE OF 1,375 POUNDS PER 1,000 SQUARE FEET AND A 1 FOOT THICK LAYER OF COMPACTED TOPSOIL.

C. EQUIPMENT USED FOR EXCAVATION OR BACKFILLING IN ACID PRODUCING SOILS SHOULD BE CLEANED AT THE END OF EACH DAY'S OPERATION IN SUCH A WAY THAT WILL NOT CAUSE THE SPREADING OF ACID PRODUCING SOIL DEPOSITS ONTO UNCONTAMINATED SOIL OR INTO THE WATERCOURSE.

D. ACID PRODUCING SOILS SHALL BE DISPOSED OF PROPERLY AND SHALL NOT BE MIXED INTO OR SPREAD OVER NONACID PRODUCING SOILS; AND

E. ANY ACID PRODUCING SOILS REMAINING AFTER CONSTRUCTION SHALL BE COVERED WITH LIME AND A LAYER OF NONACID PRODUCING SOIL SUFFICIENT TO FACILITATE THE GROWTH OF VEGETATION.

F. EVERY EFFORT SHOULD BE MADE TO MINIMIZE THE SPREADING OR MIXING OF ACID PRODUCING SOIL DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS) ONTO OR INTO SOIL FREE OF SUCH DEPOSITS (ON OR OFF THE CONSTRUCTION SITE). NO CONSTRUCTION SHOULD TAKE PLACE DURING RAINSTORMS OR WHILE THE GROUND IS SATURATED, IF SUCH CONSTRUCTION IS LIKELY TO SMEAR OR SPREAD ACID PRODUCING SOIL DEPOSITS OVER UNCONTAMINATED SOIL OR INTO WATERWAYS. IF ACID PRODUCING SOIL DEPOSITS MUST BE STOCKPILED ON TOP OF SOIL HERETOFORE FREE OF SUCH DEPOSITS, THE AREA USED FOR STOCKPILING SHOULD BE MINIMIZED. EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE APPLIED WHERE ACID PRODUCING SOIL DEPOSITS ARE EXPOSED OR STOCKPILED, TO PREVENT OR REDUCE THE MOVEMENT OF ACID PRODUCING MATERIAL INTO WATERCOURSES OR ONTO CONTAMINATED SOIL.

G. EXCAVATED MATERIAL SHOULD BE RETURNED TO TRENCHES OR PITS IN THE ORDER OF ITS REMOVAL, I.E., LOWER MATERIAL FIRST, FOLLOWED BY UPPER MATERIAL. HOWEVER, IF ACID PRODUCING SOIL DEPOSITS ARE FOUND ONLY IN THE UPPER MATERIAL, THEN THE UPPER MATERIAL SHOULD BE RETURNED FIRST. THIS EXCEPTION ALSO APPLIES TO THE FOLLOWING SENTENCES). WHERE ACID PRODUCING SOIL DEPOSITS ARE STOCKPILED ON SOIL HERETOFORE UNCONTAMINATED WITH SUCH DEPOSITS, THE TOP TWO INCHES OF SUCH SOIL SHOULD BE SCRAPED OFF AND BURIED ALONG WITH THE "LOWER MATERIAL." THE SURPLUS MATERIAL RESULTING DUE TO PERMANENT GRADE REDUCTION, PLACEMENT OF PIPES OR OTHER STRUCTURES, AND SOIL SCRAPED FROM AREAS UNDER TEMPORARY STOCKPILES OF ACID PRODUCING SOIL DEPOSITS, SHOULD BE SUBSTITUTED FOR AN EQUAL QUANTITY OF DEEPER MATERIAL WHICH IN TURN SHOULD BE REMOVED TO A SUITABLE DISPOSAL SITE. AFTER BACKFILLING THE DEEPER MATERIAL, PULVERIZED LIMESTONE SHOULD BE SPREAD OVER THE TOP OF THE MATERIAL, AT THE RATE OF TEN (10) TONS PER ACRE (460 POUNDS PER 1000 SQUARE FEET), BEFORE THE APPLICATION OF THE SURFACE LAYER OF SOIL. THE LIMING PROCEDURE IS APPLICABLE ONLY IN WELL-DRAINED AREAS. THE TOP LAYER OF SOIL, FREE OF ACID PRODUCING SOIL DEPOSITS, STRIPPED AND STOCKPILED IN ITEM 3 ABOVE, SHOULD THEN BE REPLACED. IF NECESSARY, ADDITIONAL QUANTITIES OF TOPSOIL SHOULD BE IMPORTED SO AS TO ENSURE AT LEAST ONE (1) FOOT DEEP COVER OF SOIL, FREE OF ACID PRODUCING SOIL DEPOSITS. RESTRICTIONS ESTABLISHED IN THE RULES CONCERNING THE AMOUNT OF NET FILL THAT MAY BE PLACED IN FLOOD HAZARD AREAS MUST ALSO BE COMPLIED WITH.

H. TEMPORARY VEGETATIVE COVER SHOULD NOT BE USED FOR STABILIZATION OF ACID PRODUCING SOIL DEPOSITS UNLESS THE LIMING AND TOPSOIL APPLICATION REQUIREMENTS OF ITEM G, AND THE SURFACE SOIL PH REQUIREMENTS OF ITEM I ARE FIRST MET OTHERWISE, TEMPORARY STABILIZATION OF ACID PRODUCING SOIL DEPOSITS SHOULD BE ACCOMPLISHED WITH "MULCH ONLY". IN ACCORDANCE WITH THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY." NO MORE THAN EIGHT HOURS SHOULD ELAPSE BEFORE THE APPLICATION OF MULCH. (MULCHING FOR TEMPORARY STABILIZATION IS NOT A SUBSTITUTE FOR THE LIMESTONE AND TOPSOIL APPLICATION REQUIREMENTS OF ITEMS B AND G. MULCH SHOULD NOT BE DIRECTLY APPLIED TO THE EXPOSED SURFACE OF ACID PRODUCING SOIL DEPOSITS, BUT RATHER TO THE TOPSOIL APPLIED TO COVER SUCH DEPOSITS.)

I. PERMANENT VEGETATION SHOULD BE ESTABLISHED AS SOON AS POSSIBLE TAKING INTO ACCOUNT THE SIX WEEKS THAT MAY BE NEEDED FOR THE "INCUBATION TEST" DISCUSSED BELOW. REVEGETATION MUST BE PERFORMED UNDER THE DIRECTION OF A SOILS SPECIALIST OR AGRONOMIST, WHO BY TRAINING OR EXPERIENCE IS FAMILIAR WITH THE PROBLEMS OF REVEGETATING ACID PRODUCING SOIL DEPOSITS. THE SOILS SPECIALIST OR AGRONOMIST SHOULD PERFORM PH TESTS ON THE SURFACE LAYER OF SOIL WHERE THE VEGETATION WILL ROOT (ALLOWING FOR ROOT EXPANSION DUE TO PLANT GROWTH). IF THE PH IS BELOW 4.0, THE SOILS SPECIALIST OR AGRONOMIST SHOULD ALSO PERFORM INCUBATION LIME REQUIREMENT TESTS (SOIL SAMPLE ALLOWED TO OXIDIZE FOR SIX (6) WEEKS) TO DETERMINE LIME APPLICATION RATES. THE PH OF THE SURFACE LAYER OF SOIL MUST BE RAISED TO AT LEAST 5.0 BEFORE SEEDING OR PLANTING. SEEDING SHOULD ALWAYS BE ACCOMPANIED BY MULCHING.

SOIL COMPACTION TESTING REQUIREMENTS

1. SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

2. AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN - THIS WOULD BE ACCESS ENTRANCE & TOPSOIL STORAGE AREAS.

3. COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN SHALL BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION REMEDIATION FORM, AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.

4. IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THE PLAN (EXCLUDING EXEMPT AREAS), OR (2) PERFORM ADDITIONAL, MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.

COMPACTION TESTING METHODS

A. PROBING WIRE TEST (SEE DETAIL)
B. HAND-HELD PENETROMETER TEST (SEE DETAIL)
C. TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
D. NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)

NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.

SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

PROCEDURES FOR SOIL COMPACTION MITIGATION

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAYBE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.

2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THE PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

3. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.

4. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE STANDARDS . IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE STANDARDS.

5. ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH IN ACCORDANCE WITH THE STANDARDS IMMEDIATELY FOLLOWING ROUGH GRADING.

6. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.

7. ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.

8. SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE. PROPOSED LOCATIONS MUST BE DELINEATED ON THE PLANS.

9. A CRUSHED STONE TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. THE RIP RAP PAD MUST BE 100 FEET IN LENGTH AND THE STONE MUST BE 1.5" - 4" IN SIZE, PLACED 12" THICK AND THE FULL WIDTH OF THE ENTRANCE. IT SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC FILTER FABRIC AND MAINTAINED. THE STRUCTURE MUST BE DELINEATED AND DETAILED ON THE PLANS.

10. IF A STONE CONSTRUCTION ACCESS IS TO BE USED AS AN EXIT ONTO A MAJOR HIGHWAY, A THIRTY (30) FOOT PAVED TRANSITION AREA SHALL BE INSTALLED.

11. ALL DRIVEWAYS MUST BE STABILIZED WITH 2 ½" CRUSHED STONE OR SUB BASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.

12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

13. ALL CATCH BASIN INLETS WILL BE PROTECTED DURING CONSTRUCTION (FILTER DETAILS APPEAR ON PLAN).

14. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

15. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTRATION DEVICE. THE SEDIMENT FILTER MUST BE PLACED SO AS NOT TO CAUSE EROSION OF THE DOWNSTREAM AREA. FIELD PLACEMENT AND USE OF THE STRUCTURE MUST BE APPROVED BY THE DISTRICT EROSION CONTROL INSPECTOR PRIOR TO COMMENCEMENT OF DEWATERING ACTIVITIES.

16. THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY LAND DISTURBANCE.

17. SOIL HAVING A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE MUST BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE BEFORE SEEDBED PREPARATION.

18. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION RATES AT THE REQUEST OF THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT.

19. NJSA 4:24-39, ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.

20. NJSA 4:24-39, ET SEQ. REQUIRES THAT UPON PERMANENT SITE STABILIZATION AND COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL APPLY TO THE SOIL CONSERVATION DISTRICT FOR A FINAL COMPLIANCE INSPECTION TO CHECK THAT ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES.

21. OFF SITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE DISTRICT EROSION CONTROL INSPECTOR.

22. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.

23. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ALL SUBSEQUENT OWNERS.

24. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING TOPSOIL, THE STOCKPILE SHALL BE SEEDED WITH TEMPORARY VEGETATION. STABILIZE TOPSOIL STOCKPILES WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE ESTABLISHMENT OF TEMPORARY SEED.

25. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

26. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1.

27. THE DISTRICT EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL MEASURES TO BE INSTALLED.

28. THE RESPONSIBILITY FOR EROSION CONTROLS FOR INDIVIDUAL LOTS WILL TRANSFER TO SUBSEQUENT OWNERS OF THE LOT. THIS RESPONSIBILITY WILL BE DESCRIBED IN THE DEED. AND A SINGLE FAMILY HOME PLAN CONTAINING ALL NECESSARY EROSION CONTROLS WILL BE PROVIDED TO THE OWNER.

29. CONCRETE TRUCK WASHOUT AREAS WILL BE MAINTAINED ON A CONTINUAL BASIS AND AS NEEDED.

30. THE STORMWATER POLLUTION PREVENTION PLAN AND THE SPILL RESPONSE PLAN SHALL BE AVAILABLE ON SITE FOR REVIEW BY THE SCD INSPECTOR AND/OR THE NJDEP INSPECTOR.

31. THE SCD INSPECTOR OR NJDEP INSPECTOR MAY REQUIRE ADDITIONAL MEASURES FOR STORMWATER POLLUTION PREVENTION TO BE INSTALLED.

32. INSPECTIONS OF ALL STORMWATER POLLUTION PREVENTION PLAN MEASURES WILL BE CONDUCTED AND DOCUMENTED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.

33. WASTE COLLECTION CONTAINERS WILL NOT BE PERMITTED TO OVERFLOW.

34. ANY SPILLS OF HAZARDOUS OR SANITARY WASTES WILL BE CLEANED UP IMMEDIATELY, AND IN ACCORDANCE WITH THE SPILL RESPONSE PLAN. SPILL KITS MUST BE AVAILABLE ONSITE OR ADJACENT TO THE SITE.

35. ANY HAZARDOUS SUBSTANCE RELEASES IN EXCESS OF REPORTABLE QUANTITIES (RQ) ESTABLISHED UNDER 40 C.F.R. 110, 117 AND 302 THAT OCCUR WITHIN A 24 HOUR PERIOD MUST BE REPORTED THE NATIONAL RESPONSE CENTER (800 424-8802).

36. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.

37. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

38. ANY SILT FENCE BARRIER AND HAY BALES SHALL BE CONSTRUCTED AS NOTED ON THE DETAIL AND PLACED AS SHOWN ON THE PLAN. BALES SHALL BE REPLACED UPON SATURATION WITH SALT.

39. SEQUENCE OF CONSTRUCTION: THE FOLLOWING SCHEDULE SHALL BE ADHERED TO. IF NECESSARY, TO MODIFY THE TIME SEQUENCE, THE SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED AND SUPPLIED WITH THE MODIFIED TIME SCHEDULE.

- INSTALL SOIL EROSION MEASURES.
- DEMOLISH ALL SITE FEATURES AS NECESSARY.
- EXCAVATE AND GRADE THE SITE TO CONTAIN ALL SURFACE WATER FLOWS THEREON.
- CONSTRUCT SITE IMPROVEMENTS.
- STABILIZE ALL SOIL NOT SUBJECT TO TRAFFIC.
- REMOVE SOIL EROSION MEASURES.

40. TEMPORARY SEEDING SHALL CONSIST OF SPRING OATS APPLIED AT A RATE OF 2.0 LBS. PER 1,000 SQ. FT. TEMPORARY SEEDING SHALL BE MULCHED AND MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH PERMANENT SEEDING.

41. PERMANENT SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE OR APPROVED EQUAL - OPTIMUM SEEDING DATES ARE BETWEEN MARCH 1 AND MAY 1 OR BETWEEN OCTOBER 1 AND DECEMBER 1:

KENTUCKY 31 TALL FESCUE	1.5 LBS./1,000 SQ. FT.
CREEPING RED FESCUE	1.0 LBS./1,000 SQ. FT.
CHEWING RED FESCUE	0.8 LBS./1,000 SQ. FT.
PERENNIAL RYEGRASS	0.8 LBS./1,000 SQ. FT.

THIS IS EQUAL TO 4.1 POUNDS PER 1,000 SQ. FT., OR EQUIVALENT TO 178 POUNDS PER ACRE. IF HYDROSEEDING WILL BE THE METHOD OF APPLICATION, THE SEED RATE SHOULD BE INCREASED BY 25%.

HYDROSEEDED AREAS MUST STILL RECEIVE STRAW MULCH AND TACKIFIER.

42. PERMANENT SEEDING TO BE APPLIED BY RAKING OR DRILLING INTO THE SOILS AT A RATE OF 150 LBS./ACRE. SLOPED AREAS TO BE COVERED WITH MULCH AS INDICATED IN NOTE 32.

43. FERTILIZER FOR THE ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE 10-10-10 APPLIED AT A RATE OF 14 LBS./1,000 SQ. FT. OR AS DETERMINED BY SOILS TESTING. LIMESTONE FOR TEMPORARY SEEDING SHALL BE APPLIED AT A RATE OF 135 LBS./1,000 SQ. FT.

44. THE DISTRICT SHALL BE REPRESENTED AT THE PROJECT PRE-CONSTRUCTION MEETING WITH THE TOWNSHIP ENGINEER, CONTRACTORS AND UTILITY REPRESENTATIVES. IF THE TOWNSHIP ENGINEER DOES NOT SCHEDULE A PRE-CONSTRUCTION MEETING, IT IS THE RESPONSIBILITY OF THE OWNER/APPLICANT TO SCHEDULE ONE PRIOR TO ANY LAND DISTURBANCE.

45. FAILURE OF THE AFOREMENTIONED PLAN SHALL NOT RELIEVE THE APPLICANT OF ANY OF ITS RESPONSIBILITIES RELEVANT TO THE APPROPRIATE STATUTES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY THE DISTRICT IN THE EVENT OF ANY UNFORESEEN PROBLEMS DURING CONSTRUCTION.

46. IF SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY OR PERMANENT SEEDING, EXPOSED AREAS SHALL BE STABILIZED WITH MULCH. MULCH IS TO CONSIST OF SALT HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF 70 TO 90 LBS. PER 1,000 SQ. FT. MULCH SHALL BE SECURED BY APPROVED METHODS (LIQUID MULCH BINDER, CRIMPING, PEG AND TWINE).

47. IN AREAS WITHOUT DOWNSLOPE SEDIMENT CONTROLS, SLOPES EXCEEDING 15 PERCENT GRADIENT SHALL BE PROTECTED WITHIN 48 HOURS OF SOIL EXPOSURE BY SPECIAL TREATMENT, SUCH AS WATER DIVERSION BERMS, SODDING OR DEPARTMENT-APPROVED MULCH NETTING, IN ACCORDANCE WITH THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.

48. TOPSOIL SHALL BE APPLIED IN A UNIFORM APPLICATION TO AND AVERAGE DEPTH OF 5.0 INCHES, MINIMUM OF 4 INCHES, FIRMED IN PLACE IS REQUIRES. TO BE IN ACCORDANCE WITH REVISED SECTION 8 OF THE STANDARDS. IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC MATTER OF 2.75%. THE ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.

49. SOIL DE-COMPACTION AND TESTING REQUIREMENTS SHOULD NOT BE NECESSARY. SUBGRADE FOR ALL SEEDED AREAS SHALL BE TILLED AND/OR LOOSENED TO A MINIMUM DEPTH OF 6" PER THE SPECIFICATIONS WHERE TRENCH RESTORATION IS NOT BEING PERFORMED.

50. THE SOIL RESTORATION AREA IS APPROXIMATELY 1,140 S.Y. / 0.24 ACRES. THIS AREA OF THE PROJECT PROPOSES TO TILL THE SUBGRADE, TOPSOIL, FERTILIZE, AND SEED THIS AREA. THE EXISTING CULTIVATED FIELDS WITHIN THE LIMIT OF DISTURBANCE WILL BE CONVERTED TO GRASSED ATHLETIC FIELDS WITH THE EXCEPTION OF PARKING AREAS, SITE DRIVEWAY, PATHS AND STONE AREAS. SOIL COMPACTION TESTING SHOULD NOT BE NECESSARY FOR THIS PROJECT.

DUST CONTROL:

DUST CONTROL SHALL BE IN ACCORDANCE WITH PAGE 4.10.1 OF THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. THE FOLLOWING METHODS SHALL BE USED FOR CONTROLLING DUST:

1. APPLICATION OF MULCH AND/OR VEGETATIVE COVER AS SPECIFIED IN "SEEDING, LIMING, FERTILIZING AND MULCHING RATES" ON THIS SHEET.

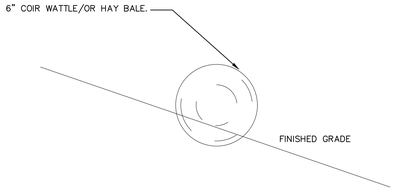
2. TILLAGE TO ROUGHEN THE SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. PROCEED FROM THE WINDWARD SIDE OF THE SITE WITH CHISEL TOOTH PLOWS, 12 INCHES APART, OR SPRING TOOTH HARROWS.

3. SPRINKLING OF SITE UNTIL SURFACE IS WET. SPRINKLING SHOULD BE DONE PERIODICALLY THROUGHOUT THE CONSTRUCTION PERIOD AS REQUIRED TO CONTROL DUST.

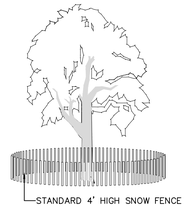
MISCELLANEOUS NOTES:

1. IMMEDIATELY PRIOR TO TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH STANDARD FOR LAND GRADING. SEE DETAIL

2. NJSA 4:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE COMPLETION OF SOIL COMPACTIONS MITIGATION VERIFICATION FORM AND CONFIRMATION BY THE DISTRICT INSPECTOR THAT THE COMPACTION MITIGATION REQUIREMENTS IN STANDARD FOR LAND GRADING HAVE BEEN SUFFICIENTLY ADDRESSED.

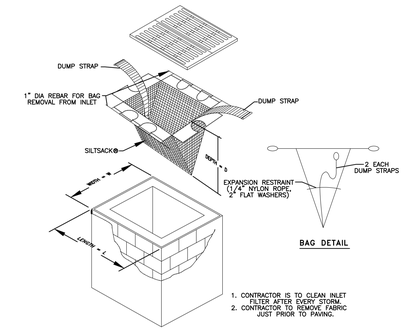


COIR LOG/SILT SOCK DETAIL N.T.S.



SNOW FENCE SHALL BE LOCATED FIVE (5) FEET BEYOND THE DRIP LINE OF EXISTING VEGETATION TO REMAIN. SNOW FENCING SHALL BE INSTALLED AT THE COMMENCEMENT OF CONSTRUCTION AND IS TO BE MAINTAINED THROUGHOUT THE DURATION.

TREE PROTECTION FENCE DETAIL N.T.S.



INLET PROTECTION DETAIL N.T.S.

LEGEND

- SILT FENCE/TREE PROTECTION
- LIMIT OF DISTURBANCE
- SOIL RESTORATION AREA

PROJECT AREA = 0.41 AC.

LIMIT OF DISTURBANCE = 0.41 AC.

THE SOIL RESTORATION AREA IS APPROXIMATELY 10,270 SF / 0.24 AC.

GRAPHIC SCALE (HORIZONTAL)

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

ISSUED FOR BID 10-1-2026

10.01.2026
DATE

Rakesh R. Darji
N.J. PROFESSIONAL ENGINEER
No. 24GE04289100

ENVIRONMENTAL RESOLUTIONS, INC.
Engineers • Planners • Scientists • Surveyors
815 East Gate Drive - Suite 103
Mount Laurel, New Jersey 08054-3415
Tel. 856-235-7170 Fax 856-273-9239
CERTIFICATE OF AUTHORIZATION NUMBER: 24GA27974500

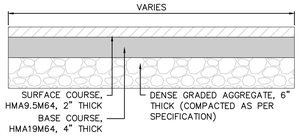
PLAN NAME:
SOIL EROSION & SEDIMENT CONTROL PLAN & DETAILS

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
BLOCK 1502, LOT 1.01
SOUTHAMPTON TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

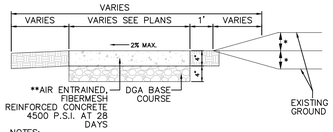
NO.	REVISION AND DATE

SHEET NUMBER: CP-4

PROJECT #: 70527-06 | DRAWN: DSH | DESIGN: RRD | DATE: 10.01.2026
FILE: 02-CONSTRUCTION | SCALE: 1"=10' | SHEET: 5 OF 6

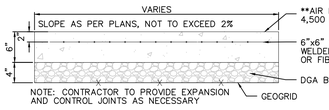


ASPHALT RESTORATION N.T.S.

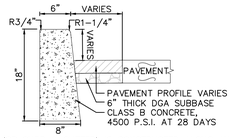


NOTES:
1. PROVIDE CONTROL JOINTS AT EQUAL INTERVALS IN SIDEWALKS
2. * – MAXIMUM SLOPE = 3 HORIZONTAL TO 1 VERTICAL. METHOD OF SLOPE STABILIZATION SHALL BE INDICATED ON PLANS.
3. ** – RUNNING SLOPE OF SIDEWALK NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2%
4. DGA MUST BE A VIRGIN MATERIAL.

4" CONCRETE N.T.S.

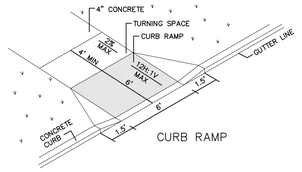


6" REINFORCED CONCRETE N.T.S.

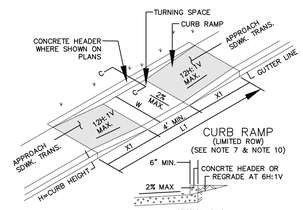


NOTE:
1. WHEN NEW CURB (OR CURB & GUTTER) IS CONSTRUCTED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE CUT IN A STRAIGHT LINE WITH A SHARP TOOL AND THE NEW PAVEMENT SHALL BE TACKED AND BUTTED TO EXISTING PAVEMENT.
2. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB (OR CURB & GUTTER) 20'–0" MAXIMUM APART AND SHALL BE FILLED WITH PRE–FORMED BITUMINOUS IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO SPEC. M–213, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

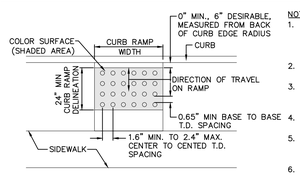
CONCRETE CURB N.T.S.



CURB RAMP (1) N.T.S.

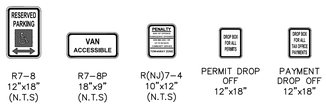


CURB RAMP (2) N.T.S.

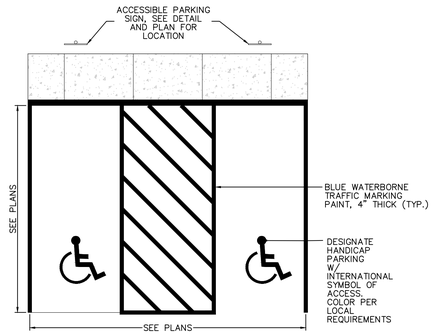


NOTE:
1. KEEP TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP CLEAR OF OBSTRUCTIONS THAT PROTRUDE ABOVE THE SURFACE.
2. CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED. SEE PLANS.
3. FOR NARROW ISLAND WIDTH, SEE PEDESTRIAN REFUGE ISLAND WALKWAY OPENING AT INTERSECTIONS DETAIL.
4. FOR MEDIAN AND LARGE ISLAND WIDTH, SEE CURB RAMP 1 ON CD–606–1.
5. CONSTRUCT CURB RAMP TYPES 1, 2, 3, 4, & 7 PERPENDICULAR TO CURBLINE, AS SHOWN.
6. IF A CURB RAMP IS REQUIRED, THE LOCATION OF THE DETECTABLE WARNING SURFACE MUST BE AT THE BOTTOM OF THE RAM AND WITHIN THE REQUIRED DISTANCE FROM THE RAIL.
7. A STANDARD DETECTABLE WARNING SURFACE (DWS) IS NOT AVAILABLE TO FIT THIS APPLICATION,AND THEREFORE ONE WILL NEED TO BE CUSTOMIZE. THE DWS SHOULD COVER THE ENTIRE WIDTH OF THE RAMP. THE ROWS OF DOMES ON THE DWS SHOULD FOLLOW THE DIRECTION OF TRAVEL OF THE RAMP, SO PEDESTRIAN WHO USE MOBILE DEVICES CAN TRACK BETWEEN THE DOMES.
8. DETECTABLE WARNING SURFACE SHALL NOT BE CUT, ORDER PROPER SIZE.

DETECTABLE WARNING SURFACE N.T.S.

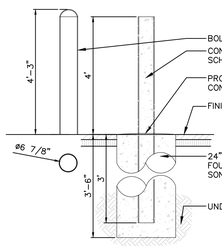


TRAFFIC CONTROL SIGNS N.T.S.



NOTES:
1. SEE PLANS FOR ACCESSIBLE PARKING SPACE LOCATIONS AND LAYOUT.
2. TEMPORARY STRIPING SHALL BE WATERBORNE TRAFFIC MARKING PAINT WITH A BLUE COLOR.
3. SLOPE IN ALL DIRECTIONS SHALL NOT EXCEED 2%, SEE GRADING PLANS.

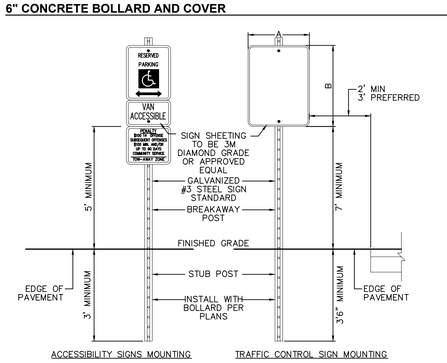
TEMPORARY ADA PARKING STRIPING N.T.S.



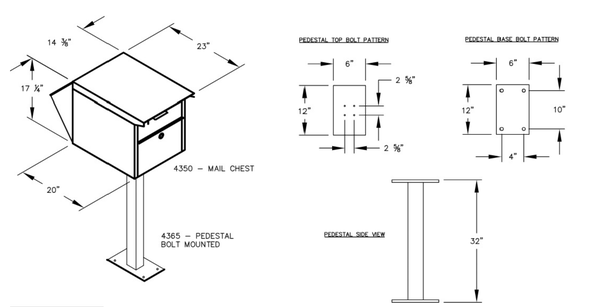
NOTES:
1. 6" DIA. SCHEDULE 40 STL. PIPE AS PROVIDED BY IDEAL SHIELD OR APPROVED EQUAL.
2. BOLLARD COVER SHALL BE 1/4"–6" SLEEVE AS MANUFACTURED BY IDEAL SHIELD OR APPROVED EQUAL FINAL COLOR TO BE DETERMINED.

   IDEAL SHIELD 2525 CLARK STREET, DETROIT, MI 48209 PH: 313–842–7290
3. PIPE SHALL BE GALVANIZED AND CONCRETE FILLED.
4. BOLLARD AND COVERS SHALL BE INSTALL PER MANUFACTURERS SPECIFICATIONS.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWING TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PURCHASE AND INSTALLATION.

6" CONCRETE BOLLARD AND COVER N.T.S.



ACCESSIBLE PARKING & GENERAL SIGN MOUNTING N.T.S.

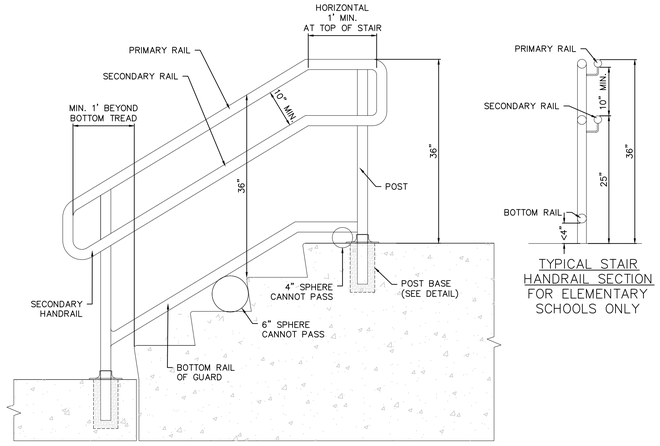


MAIL CHEST DISPLAYED WITH OPTIONAL BOLT MOUNTED PEDESTAL. IN–GROUND MOUNTED PEDESTAL AVAILABLE AS AN OPTION.

NOTE: PAYMENT DROP BOX SHALL BE ITEM 4350 AS MANUFACTURED BY SALSBURY INDUSTRIES AND SHALL INCLUDE PEDESTAL ITEM 4365 OR APPROVED EQUAL.

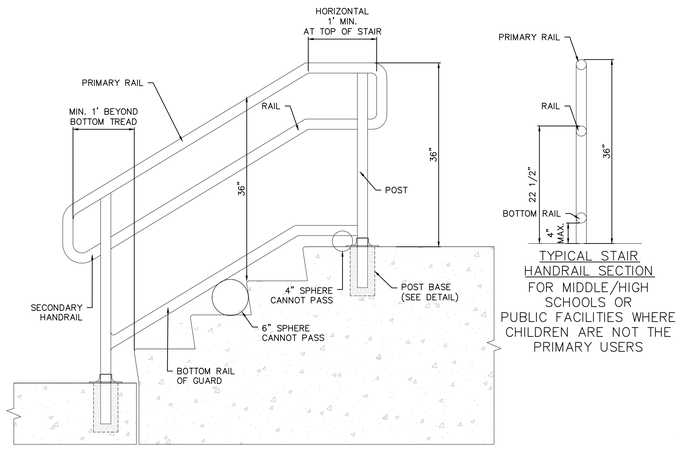
SALSBURY INDUSTRIES
People Committed to Quality Since 1936
1010 E. 62ND STREET
LOS ANGELES, CA 90001
PHONE: (800) 624–5269
FAX: (800) 624–5299
email: engineering@mailboxes.com

PAYMENT DROP BOX N.T.S.



TYPICAL STAIR HANDRAIL DETAIL
(SEE REFERRING PLAN FOR WHERE APPLICABLE)
NOTE: MAX POST SPACING 5'–0"

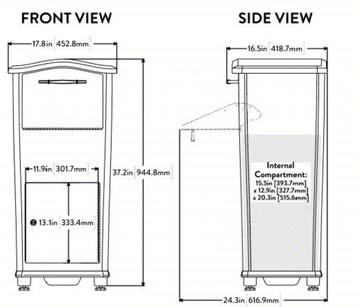
TYPICAL STAIR HANDRAIL SECTION FOR ELEMENTARY SCHOOLS ONLY



TYPICAL STAIR HANDRAIL DETAIL
(SEE REFERRING PLAN FOR WHERE APPLICABLE)
NOTE: MAX POST SPACING 5'–0"

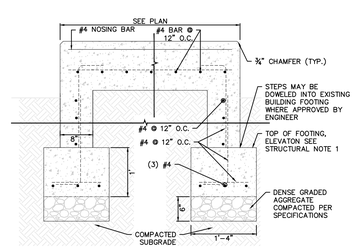
TYPICAL STAIR HANDRAIL SECTION FOR MIDDLE/HIGH SCHOOLS OR PUBLIC FACILITIES WHERE CHILDREN ARE NOT THE PRIMARY USERS

36" STAIR HANDRAIL N.T.S.

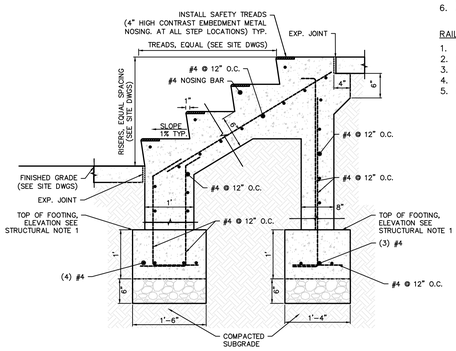


NOTE: PERMIT DROP BOX SHALL BE ITEM 6900B–10 AS MANUFACTURED BY ARCHITECTURAL MAILBOXES OR APPROVED EQUAL.

PERMIT DROP BOX N.T.S.



SECTION B N.T.S.



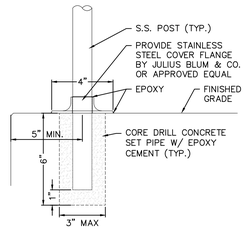
SECTION A N.T.S.

STRUCTURAL NOTES:

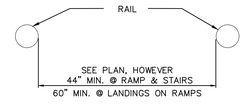
1. TOP OF FOOTINGS ELEVATION FOR STAIRS & RAMPS SHALL BE A MINIMUM OF 3'–0" BELOW LOWEST ADJACENT FINISHED GRADE OR AS SHOWN ON THE PLANS.
2. PRIOR TO EXCAVATING FOR THE PROPOSED STAIRS AND RAMPS, CONTRACTOR SHALL HAND EXCAVATE TO LOCATE BELOW GROUND PIPES WITHIN THE FOOTPRINT OF THE STAIRS AND RAMPS.
3. SEE SITE PLANS FOR TYPE OF HANDRAILS AND GUARDS.
4. SEE SITE PLANS FOR STAIR DIMENSIONS IN PLAN AND TOP OF CONCRETE ELEVATIONS
5. CONTRACTOR SHALL INSTALL SAFETY TREADS ON ALL STEPS. SAFETY TREAD MODEL TYPE 241 BF AS MANUFACTURED BY WOOSTER PRODUCTS OR APPROVED EQUAL. TEL. 1–800–321–4936
6. TREAD COLOR SHALL BE BLACK AND END 8" FROM EACH EDGE OF CONCRETE

STEPS & RAMP CONCRETE CONSTRUCTION GENERAL NOTES:

1. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
2. REINFORCING STEEL SHALL CONFORM TO AASHTO M31 GRADE 60. REINFORCING STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH ACI 315, LATEST EDITION. WELDED WIRE FABRIC SHALL CONFORM TO AASHTO M55; LAP A MINIMUM OF 2 INCHES AT SIDES AND ENDS. REINFORCING STEEL CONTRACTOR SHALL FURNISH ALL NECESSARY ACCESSORIES. REINFORCING CONTRACTOR SHALL SUBMIT SHOP DETAIL DRAWINGS OF ALL REINFORCING FOR APPROVAL PRIOR TO FABRICATION IN ACCORDANCE WITH THE SPECIFICATIONS.
3. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO NJDOT SPECIFICATION. CONCRETE SHALL BE KEPT CONTINUOUSLY WET FOR 3 DAYS OR LONGER AS DIRECTED BY THE ENGINEER. CURE IN ACCORDANCE WITH NJDOT SPECIFICATION.
4. ALL FOOTINGS AND FOUNDATIONS SHALL BEAR ON FIRM UNDISTURBED NATURAL SOIL OR CONTROLLED COMPACTED FILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 3000 PSF UNLESS NOTED OTHERWISE ON DRAWING. CONTRACTOR TO PROVIDE SOILS ENGINEER TEST REPORT VERIFYING THAT FTING SUBGRADES CAN OBTAIN THE REQUIRED BEARING CAPACITY PRIOR TO PLACING CONCRETE IN ACCORDANCE WITH THE SPECIFICATIONS.
5. ALL FILLS AND BACKFILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 8 INCHES (8") IN THICKNESS. THE BACKFILL SHALL BE THOROUGHLY COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR SHALL PLACE AND COMPACT LAYERS ON ALTERNATING SIDES OF WALL TO MINIMIZE LATERAL PRESSURE ON WALL.
6. SEE SPECIFICATIONS FOR FILL AND BACKFILL MATERIAL.
7. FOR LOCATIONS, ARRANGEMENT, SIZE, DETAILS OF UTILITIES AND PROCESS PIPING WITHIN AND PENETRATING CONCRETE STRUCTURES REFER TO THE APPROPRIATE DISCIPLINE'S DRAWINGS. NO PIPING OR CONDUIT MAY PENETRATE FOOTINGS UNLESS SPECIFICALLY DETAILED ON THE CONCRETE DRAWINGS. CONTRACTOR TO NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS WITH THE FOOTING ELEVATIONS AND PIPING OR CONDUIT PRIOR TO POURING THE FOUNDATIONS.
8. ANY ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS (CONCRETE, STEEL OR MASONRY) SHALL HAVE THE CONTACT SURFACE COATED WITH A BITUMINOUS PAINT.
9. DRILLED IN ADHESIVE ANCHORS SHALL BE HILTI STAINLESS STEEL HAS THREADED RODS WITH NUT AND WASHER INSTALLED WITH HILTI HIT HY 200 ADHESIVE ANCHORING SYSTEM OR EQUIVALENT, MINIMUM EMBEDMENT AS SHOWN ON DRAWINGS.
10. COLD WEATHER CONCRETING (AVERAGE DAILY TEMPERATURE BELOW 40 DEGREES FOR MORE THAN THREE CONSECUTIVE DAYS AND THE AIR TEMPERATURE IS NOT GREATER THAN 50 DEGREES FOR MORE THAN HALF OF ANY 24 HOUR PERIOD) SHALL BE DONE IN STRICT ACCORDANCE WITH ACI 306R LATEST EDITION "COLD WEATHER CONCRETING".
11. HOT WEATHER CONCRETING SHALL BE DONE IN STRICT ACCORDANCE WITH ACI 305R LATEST EDITION "HOT WEATHER CONCRETING".
12. UNFORMED CONCRETE SURFACES SCHEDULED TO RECEIVE A SECOND LIFT OF CONCRETE SHALL BE GIVEN A RAKE OR SCRATCHED FINISH.
13. SECTIONS OF FOUNDATION SLABS, WALLS, AND OTHER SLABS SHALL BE PLACED CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS TO PRODUCE A MONOLITHIC UNIT. AT LEAST 48 HOURS SHALL ELAPSE BETWEEN CASTING OF ADJACENT UNITS TO ALLOW SHRINKAGE TO OCCUR PRIOR TO ADJACENT POUR. ALL CONSTRUCTION JOINTS SHALL BE COATED WITH A BONDING AGENT IMMEDIATELY PRIOR TO PLACING SECOND POUR.



CORE DETAIL N.T.S.



HANDRAIL SPACING DETAIL N.T.S.

NOTES:
1. SHOULD THE HANDRAIL/GUARD SYSTEM DETAILS DEVIATE FROM THOSE SHOWN ON THE PLANS, THE SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2024 NEW JERSEY EDITION AS MODIFIED BY NJ UNIFORM CONSTRUCTION CODE. WHERE MEMBER SIZES ARE SHOWN, THEY SHALL BE THE MINIMUM ACCEPTABLE. ANY PROPOSED CHANGES TO THE ABOVE DETAILS THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DRAWINGS TO THE ENGINEER. TESTING OF BASE CASTINGS OR BASE EXTRUSIONS BY AN INDEPENDENT LAB (MEETING THE REQUIREMENTS OF THE ALUMINUM ASSOCIATION) WILL BE AN ACCEPTABLE SUBSTITUTE FOR CALCULATIONS. CALCULATIONS WILL BE REQUIRED FOR APPROVAL OF ALL OTHER DESIGN ASPECTS. CALCULATIONS, DRAWINGS, AND TEST RESULTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY.
2. HANDRAIL SHALL BE THE PRODUCT OF A COMPANY NORMALLY ENGAGED IN THE MANUFACTURE OF PIPE RAILING. RAILING SHALL BE SHOP ASSEMBLED IN LENGTHS NOT TO EXCEED 24 FEET FOR FIELD ERECTION.
3. POST SPACING SHALL BE A MAXIMUM OF 42" OR AS INDICATED ON PLANS.
4. EXPANSION AND CONTRACTION JOINTS SHALL BE PROVIDED BY MEANS OF INTERNAL JOINT SPLICES SPACED AT A MAXIMUM OF TWENTY–FOUR–FOOT (24') INTERVALS. WHERE REQUIRED, LOCATE WITHIN SIX INCHES (6") OF POSTS.
5. MAINTAIN 5" MINIMUM EDGE DISTANCE FROM CENTERLINE OF THE POST TO ALL CONCRETE EDGES. CONCRETE SHALL BE A MINIMUM OF 6" THICK AT POST CORE LOCATIONS.
6. ALL RAILS, POSTS, AND PICKETS SHALL HAVE A BURNISHED FINISH UP TO 320 GRIT.

RAIL & PICKET MATERIAL #316 STAINLESS STEEL

1. TOP RAIL – 1 1/2" STAINLESS STEEL SCH. 40 PIPE
2. PICKET – 1/2" STAINLESS STEEL SCH. 80 PIPE
3. BOTTOM RAIL – 1 1/2" STAINLESS STEEL SCH. 40 PIPE
4. HANDRAIL – 1 1/2" STAINLESS STEEL SCH. 40 PIPE
5. POST – 1 1/2" STAINLESS STEEL SCH. 80 PIPE

ISSUED FOR BID 10-1-2026

Rakesh R. Darji
10.01.2026
DATE
N.J. PROFESSIONAL ENGINEER
No. 24GE04289100

ENVIRONMENTAL RESOLUTIONS, INC.
Engineers • Planners • Scientists • Surveyors
815 East Gate Drive – Suite 103
Mount Laurel, New Jersey 08054–3415
Tel. 856–235–7170 Fax 856–273–9239
CERTIFICATE OF AUTHORIZATION NUMBER: 24GA27974500

PLAN NAME: CONSTRUCTION DETAILS

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
BLOCK 1502, LOT 1.01
SOUTHAMPTON TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

NO.	REVISION AND DATE

SHEET NUMBER: CD-1

PROJECT #: 70527-06 | DRAWN: DSH | DESIGN: RRD | DATE: 10.01.2026
FILE: 04-CDETAILS | SCALE: NOTED | SHEET: 6 OF 6

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION

IBC REFERENCE	USE GROUP CLASSIFICATION
305.1	B BUSINESS

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS

ALLOWABLE HEIGHTS AND AREAS
NON-SEPARATED MIXED-USE: GROUP B

USE GROUP	ALLOWABLE HEIGHT AND STORIES: TABLES 504.3 AND 504.4	ALLOWABLE AREA: TABLE 506.2	PROPOSED HEIGHT AND STORIES	PROPOSED AREA
B	40'	9,000 SF	±19'-6"	6,435 SF (EXISTING)
	2 STORIES		1 STORY	

CHAPTER 6: TYPES OF CONSTRUCITON

TABLE 601 - FIRE-RESISTANCE RATING OF BUILDING ELEMENTS

BUILDING ELEMENT	REQUIRED RATING	PROVIDED RATING
STRUCTURAL FRAME INCLUDING COLUMNS GIRDERS & TRUSSES	0 HOUR	0 HOUR
BEARING WALLS EXTERIOR INTERIOR	0 HOUR 0 HOUR	1 HOUR 0 HOUR
NONBEARING WALLS AND PARTITIONS EXTERIOR INTERIOR	SEE TABLE 602 0 HOUR	SEE TABLE 602 0 HOUR
FLOOR CONSTRUCTION INCLUDING SUPORTING BEAMS AND JOISTS	0 HOUR	0 HOUR
ROOF CONSTRUCTION INCLUDING SUPORTING BEAMS AND JOISTS	0 HOUR	0 HOUR

TABLE 602 / 705.8 COMBINED -
FIRE-RESISTANCE RATING OF EXTERIOR WALLS / MAXIMUM AREA OF EXTERIOR WALL OPENINGS

EXTERIOR WALL	FIRE SEPARATION DISTANCE	REQUIRED FIRE RESISTANCE RATING	MAXIMUM AREA EXTERIOR WALL OPENINGS	PROVIDED AREA EXTERIOR WALL OPENINGS
NORTH	>3O FT	0 HOUR	NO LIMIT	N/A
SOUTH	>3O FT	0 HOUR	NO LIMIT	N/A
EAST	>3O FT	0 HOUR	NO LIMIT	N/A
WEST	>3O FT	0 HOUR	NO LIMIT	N/A

CHAPTER 8: INTERIOR FINISHES

IBC REFERENCE	CLASSIFICATION	FLAME SPREAD	SMOKE DEVELOPMENT
803.1.2	CLASS A INTERIOR FINISH	0-25	0-450
	CLASS B INTERIOR FINISH	26-75	0-450
	CLASS C INTERIOR FINISH	76-200	0-450

TABLE 803.13 - INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP NON-SPRINKLERED	INTERIOR EXIT, STAIRWAYS, EXIT RAMPS, AND EXIT PASSAGEWAYS	CORRIDORS AND EXIT ACCESS, STAIRWAYS AND EXIT RAMPS	ROOMS AND ENCLOSED SPACES
E	A	B	C

IBC REFERENCE	INTERIOR FLOOR FINISH CLASSIFICATION
804.2	CLASS II INTERIOR FLOOR FINISH/COVERING: 0.22 WATTS/CM2 OR GREATER (CLASSIFICATION AS DETERMINED BY NFPA 253)

CHAPTER 9: FIRE PROTECTION SYSTEMS

SECTION	BUSINESS (BUILDING TYPE)	REQUIRED	PROVIDED
903	AUTOMATIC SPRINKLER SYSTEMS	NO	YES (LIMITED AREA)
905	STANDPIPE SYSTEMS	NO	NO
906	PORTABLE FIRE EXTINGUISHERS	YES	YES
907	MANUAL FIRE ALARM SYSTEM	NO	YES
	AUTOMATIC SMOKE DETECTION SYSTEM	YES	YES
	SMOKE ALARMS	YES	YES

NFPA 10 PORTABLE FIRE EXTINGUISHERS

TABLE 3-2.1 - FIRE EXTINGHUISHER SIZE AND PLACEMENT FOR CLASS A HAZARDS

	LIGHT (LOW) HAZARD OCCUPANCY	ORDINARY (MODERATE) HAZAR...	EXTRA (HIGH) HAZARD OCCUPANCY
MINIMUM RATED SINGLE EXTINGUISHER	2-A	2-A	4-A
MAXIMUM FLOOR AREA PER UNIT OF A	3000 SF	1500 SF	1000 SF
MAXIMUM FLOOR AREA FOR EXTINGUISHER	11,250 SF	11,250 SF	11,250 SF
MAXIMUM TRAVEL DISTANCE TO...	75 FT	75 FT	75 FT

CHAPTER 10: MEANS OF EGRESS

TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	FLOOR AREA IN SQ. FT. PER OCCUPANT
ACCESSORY STORAGE AREAS MECHANICAL EQUIPMENT ROOM	300 GROSS
BUSINESS AREAS	150 GROSS

TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

OCCUPANCY	MAXIMUM OCCUPANT LOAD	MAXIMUM COMMON PATH
B	49 PERSONS	75 FT

TABLE 1006.3.1 MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD

OCCUPANT LOAD...	MINIMUM NUMBER OF EXITS...
1-500	2

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLER SYSTEM

OCCUPANT	MAXIMUM DISTANCE
B	200 FEET

TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (WITHOUT SPRINKLER SYSTEM)
B	GREATER THAN 30	1 HOUR

TABLE 1020.3 MINIMUM CORRIDOR WIDTH

OCCUPANCY	MINIMUM WIDTH (INCHES)
B WITH A CORRIDOR HAVING AN OCCUPANT LOAD OF 100 OR MORE	44

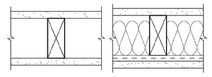
WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

GA FILE NO. WP 3335	PROPRIETARY*	1 HOUR FIRE	45 to 49 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

Fire Design:
One layer 5/8" proprietary type X gypsum wallboard applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 1-1/4" Type W screws 8" o.c.
When applied parallel to wood studs, joints staggered 16" on OPPOSITE SIDE of wall. **(LOAD-BEARING)**

Sound Design:
Sound tested with resilient channels 24" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" o.c. with 1-1/4" Type S screws. **One** layer 5/8" proprietary type X gypsum wallboard applied perpendicular to channels with 1" Type S screws 8" o.c. with 3 1/2" thick glass fiber insulation compressed and friction fit in stud space.



Thickness: 4-3/4" (Fire)
5-1/4" (Sound)
Approx. Weight: 7 psf (Fire and Sound)
Fire Test: UL R14196, 05NK29898, 2-16-06
UL Design U305
Sound Test: RAL TL10-267, 8-10-10

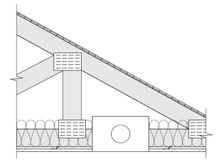
PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC..... 5/8" FireBloc® Type X Gypsum Board

GA FILE NO. RC 2612	PROPRIETARY*	1 HOUR FIRE	

WOOD TRUSSES, RESILIENT CHANNELS, INSULATION, DAMPER, GYPSUM WALLBOARD

Fire Design:
Resilient channels applied at right angles 16" o.c. to bottom chord of pitched wood trusses 24" o.c. with 1-1/4" Type S or W screws. **One** layer 5/8" proprietary type X gypsum wallboard applied at right angles to resilient channels **16"** o.c. with **1"** Type S screws 8" o.c. Gypsum board end joints attached with screws 8" o.c. to additional pieces of channel 60" long located 3" back on either side of end joint. No limit on overall thickness of glass fiber or mineral fiber batt or loose fill insulation applied directly over gypsum board. Trusses supporting 15/32" plywood or OSB roof sheathing applied at right angles to trusses with 6d ring shank nails 12" o.c.
Optional ceiling damper (refer to manufacturer for information on the type of damper).



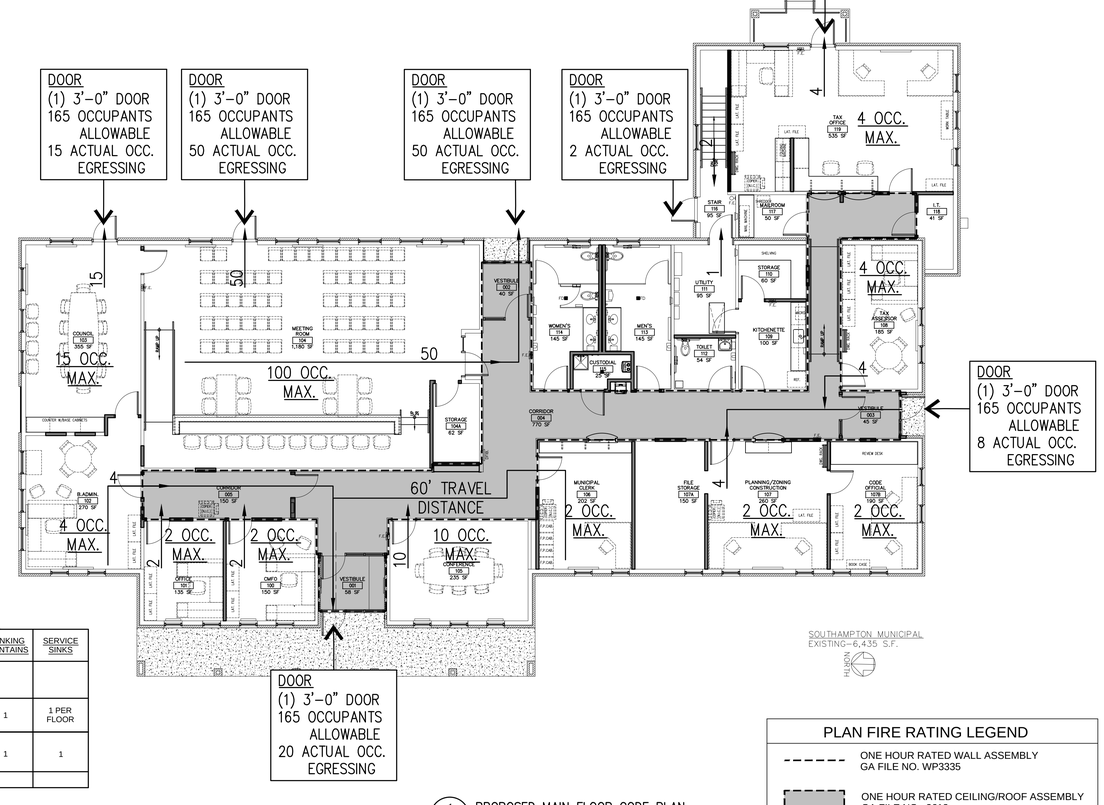
PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC
– 5/8" FireBloc® Type C

Approx. Ceiling Weight: 3 psf (Fire)
Fire Test: UL R14196, 04NK25585, 1-15-05, 4786440611, 6-6-14, 4787368164, 04-05-16, UL Design P545, UL Design P544, UL Design P554, UL Design P556

CHAPTER 7: PLUMBING FIXTURES (PLUMBING SUBCODE NSPC/2021)

OCCUPANCY				WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	SERVICE SINKS
CLASSIFICATION	TOTAL	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
BUSINESS	100 (PUBLIC MEETINGS)	50	50	2	2	2	2	1	1 PER FLOOR
TOTAL PROVIDED				2	2	2	2	1	1
				(1) NON-GENDER		(1) NON-GENDER			



1 C1.0 PROPOSED MAIN FLOOR CODE PLAN
SCALE: 1/8" = 1'-0"

PLAN FIRE RATING LEGEND

- ONE HOUR RATED WALL ASSEMBLY GA FILE NO. WP3335
- ONE HOUR RATED CEILING/ROOF ASSEMBLY GA FILE NO. 2612

ISSUED FOR BID: 10-1-2026

N.J.A.C. 5:70 UNIFORM FIRE CODE (UFC) AND THE STATE FIRE PREVENTION CODE

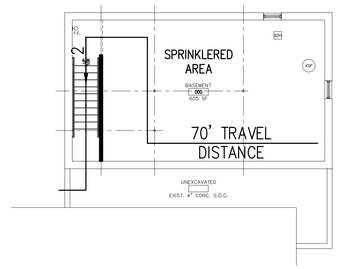
BUILDING CODE INFORMATION

NEW JERSEY ADMINISTRATIVE CODES

APPLICABLE CONSTRUCTION CODES

N.J.A.C. 5:23	UNIFORM CONSTRUCTION CODE (UCC)
N.J.A.C. 5:23-3.14	BUILDING SUBCODE (IBC/2021, NJ EDITION)
N.J.A.C. 5:23-3.15	PLUMBING SUBCODE (NSPC/2021, NJ EDITION)
N.J.A.C. 5:23-3.16	ELECTRICAL SUBCODE (NEC/2020), (NFPA 70)
N.J.A.C. 5:23-3.17	FIRE PROTECTION SUBCODE (SPECIFIC PORTIONS OF THE IBC, NEC, IMC, IFGC)
N.J.A.C. 5:23-3.18	ENERGY SUBCODE (ASHRAE 90.1-2019)
N.J.A.C. 5:23-20	MECHANICAL SUBCODE (IMC/2021)
N.J.A.C. 5:23-3.22	FUEL GAS CODE (IFGC 2021)
N.J.A.C. 5:23-6	REHABILITATION SUBCODE
N.J.A.C. 5:23-7	BARRIER FREE CODE (ICC A117.1-2017)

THIS BUILDING IS CATEGORIZED AS TYPE IIB, FULLY SPRINKLERED, E USE



2 C1.0 PROPOSED BASEMENT CODE PLAN
SCALE: 1/8" = 1'-0"

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

PROPOSED CODE PLANS & NOTES

C1.0

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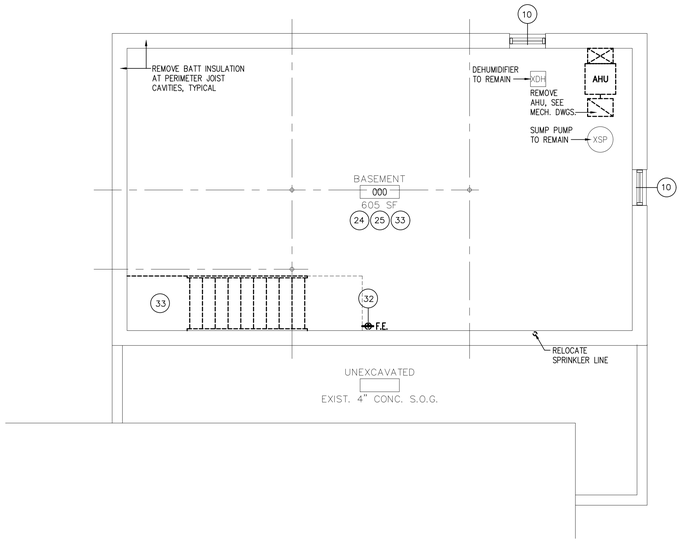
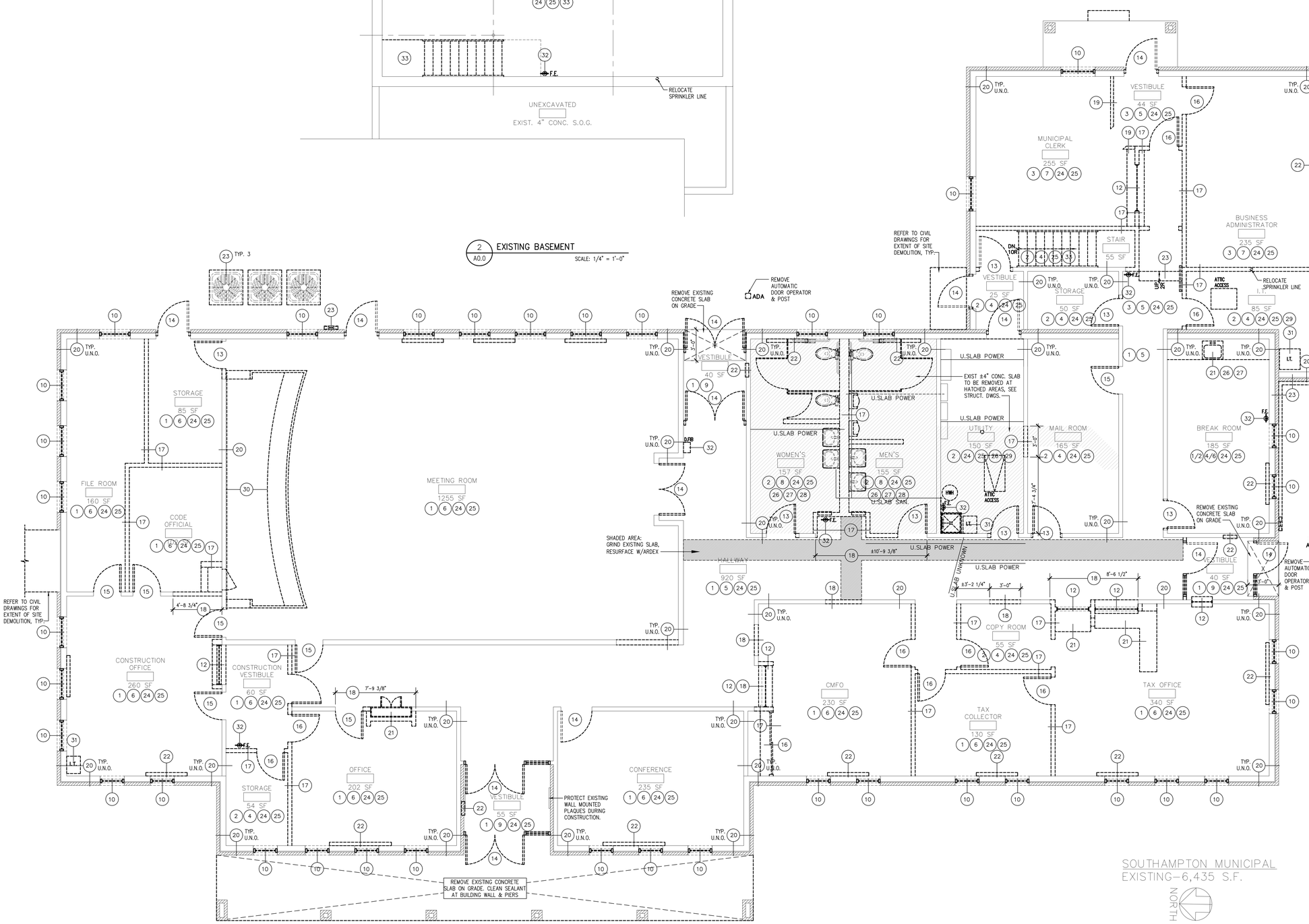
GENERAL PROJECT DEMOLITION NOTES

1. REMOVE GYPSUM BOARD ATTACHED TO UNDERSIDE OF WOOD TRUSSES IN IT'S ENTIRETY. REMOVE ALL ATTIC INSULATION.
2. REMOVE METAL SIDING AND TRIM AT REAR VESTIBULE ALCOVE. REFER TO DEMOLITION ELEVATIONS FOR ADDITIONAL INFORMATION.



2 A0.0 EXISTING BASEMENT
SCALE: 1/4" = 1'-0"



1 A0.0 EXISTING MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"

DEMOLITION PLAN REFERENCE NOTES

1. REMOVE LAY-IN CEILING, SUPPORTS, DEVICES, LIGHT FIXTURES AND MECHANICAL REGISTERS.
2. REMOVE GYPSUM BOARD CEILING, DEVICES, SURFACE MOUNTED LIGHT FIXTURES AND MECHANICAL REGISTERS.
3. REMOVE 12x12 ACOUSTIC DIRECT MOUNT CEILING TILE & ASSOCIATED MASTIC, DEVICES, SURFACE MOUNTED LIGHT FIXTURES.
4. REMOVE VCT FLOORING AND MASTIC. REMOVE VINYL WALL BASE. SCRAPE REMAINING CONCRETE AND PREP FOR NEW FINISH.
5. REMOVE VINYL SHEET FLOORING AND MASTIC. REMOVE WOOD WALL BASE. SCRAPE REMAINING CONCRETE AND PREP FOR NEW FINISH.
6. REMOVE CARPET AND MASTIC. REMOVE VINYL WALL BASE. SCRAPE REMAINING CONCRETE SLAB AND PREP FOR NEW FINISH.
7. REMOVE CARPET AND MASTIC. REMOVE WOOD WALL BASE. SCRAPE REMAINING CONCRETE SLAB AND PREP FOR NEW FINISH.
8. REMOVE CERAMIC TILE FLOOR & WALL BASE. REMOVE WET BED DOWN TO CONCRETE SUB-SLAB.
9. REMOVE QUARRY TILE FLOOR. REMOVE WOOD BASE. REMOVE THIN SET DOWN TO CONCRETE SLAB. SCRAPE REMAINING SLAB AND PREP FOR NEW FINISH.
10. REMOVE EXTERIOR WINDOW UNIT COMPLETELY. REMOVE BLINDS, WOOD EXTENSIONS AND PERIMETER TRIM. REMOVE ALL REMAINING SEALANT AT ADJACENT BRICK VENEER.
11. REMOVE EXTERIOR WINDOW UNIT COMPLETELY. REMOVE BLINDS, WOOD EXTENSIONS AND PERIMETER TRIM. REMOVE METAL SIDING, SHEATHING AND WOOD FRAMING BELOW WINDOW AT REQUIRED EXTENT TO ACCOMMODATE NEW WORK. REMOVE ALL REMAINING SEALANT AT ADJACENT BRICK VENEER.
12. REMOVE INTERIOR PASS-THRU WINDOW UNIT/TRANSACTION WINDOW, ASSOCIATED TRIM AND COUNTER COMPLETELY. INFILL OPENING TO EXTENT REQUIRED ON NEW WORK PLAN.
13. REMOVE DOOR, HARDWARE & HOLLOW METAL FRAME. REMOVE ANY ADDITIONAL TRIM. WIDEN OPENING PER NEW WORK PLAN.
14. REMOVE DOOR, HARDWARE & HOLLOW METAL FRAME. REMOVE ANY ADDITIONAL TRIM. REPLACE PER NEW WORK PLAN.
15. REMOVE DOOR, HARDWARE & HOLLOW METAL FRAME. REMOVE ANY ADDITIONAL TRIM. INFILL OPENING PER NEW WORK PLAN.
16. REMOVE DOOR, HARDWARE & HOLLOW METAL FRAME.
17. REMOVE WOOD STUD & GYPSUM BOARD PARTITION WALL AS REQUIRED TO ACCOMMODATE NEW WORK.
18. REMOVE PORTION OF WOOD STUD & GYPSUM BOARD PARTITION WALL IN IT'S ENTIRETY TO UNDERSIDE OF WOOD TRUSS.
19. REMOVE WOOD STUD & GYPSUM BOARD HALF WALL IN IT'S ENTIRETY.
20. AT WALLS TO REMAIN, REMOVE GYPSUM BOARD & BATT INSULATION. REPAIR/REPLACE DAMAGED EXTERIOR WOOD SHEATHING/WOOD STUDS PRIOR TO START OF NEW WORK.
21. REMOVE EXISTING BUILT-IN FURNITURE INCLUDING BASE, WALL & STORAGE CABINETS, BULLETIN BOARDS, WHITE BOARDS IN THEIR ENTIRETY.
22. REMOVE ELECTRICAL BASEBOARD/CABINET UNIT HEATER.
23. REMOVE AIR CONDITIONING CONDENSER, PAD, LINE-SET AND ELECTRICAL FEED. REMOVE ASSOCIATED SURFACE MOUNTED METAL PIPE SURROUND & PATCH FASTENER HOLES TO MATCH ADJACENT EXISTING CONDITIONS
24. REFER TO MECHANICAL DRAWINGS FOR EXTENT OF MECHANICAL DEMOLITION NOT NOTED.
25. REFER TO ELECTRICAL DRAWINGS FOR EXTENT OF ELECTRICAL DEMOLITION NOT NOTED.
26. REFER TO PLUMBING DRAWINGS FOR EXTENT OF PLUMBING DEMOLITION NOT NOTED.
27. REMOVE ALL PLUMBING FIXTURES AND ASSOCIATED PIPING. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. REMOVE PORTIONS OF CONCRETE SLAB WHERE REQUIRED TO COMPLETE NEW SANITARY WORK.
28. REMOVE ALL ACCESSORIES INCLUDING STALL PARTITIONS, GRAB BARS, DISPENSERS, MIRRORS, ETC. REMOVE ASSOCIATED IN WALL BLOCKING.
29. REMOVE ATTIC ACCESS PULL-DOWN STAIR/ ACCESS PANEL. INFILL OPENING TO MATCH ADJACENT EXISTING CONDITIONS.
30. REMOVE RAISED PLATFORM, STEPS, AND ASSOCIATED WOOD PANELING IN IT'S ENTIRETY.
31. COORDINATE REMOVAL OF I.T. EQUIPMENT AND AUDIO SYSTEM WITH OWNER.
32. REMOVE FIRE EXTINGUISH, CABINET/HOOK. REMOVE DEFIBRILLATOR & CABINET.
33. REMOVE EXISTING WOOD STAIR, LANDING, RAILING AND SUPPORTS IN IT'S ENTIRETY.

ISSUED FOR BID: 10-1-2026

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS		
MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

EXISTING FLOOR PLANS
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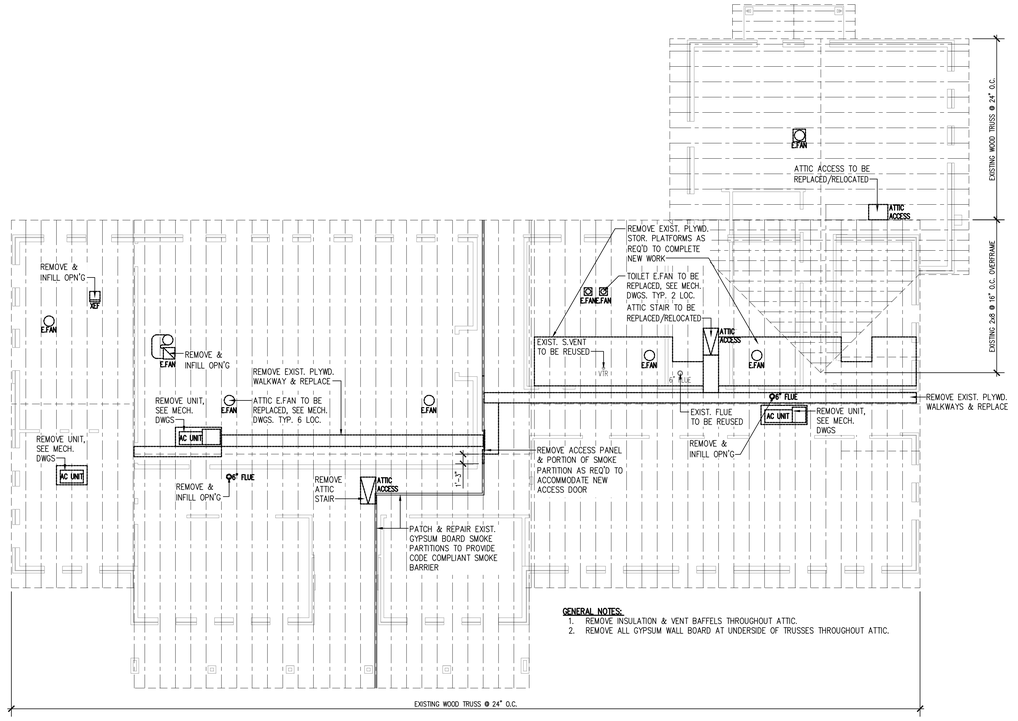
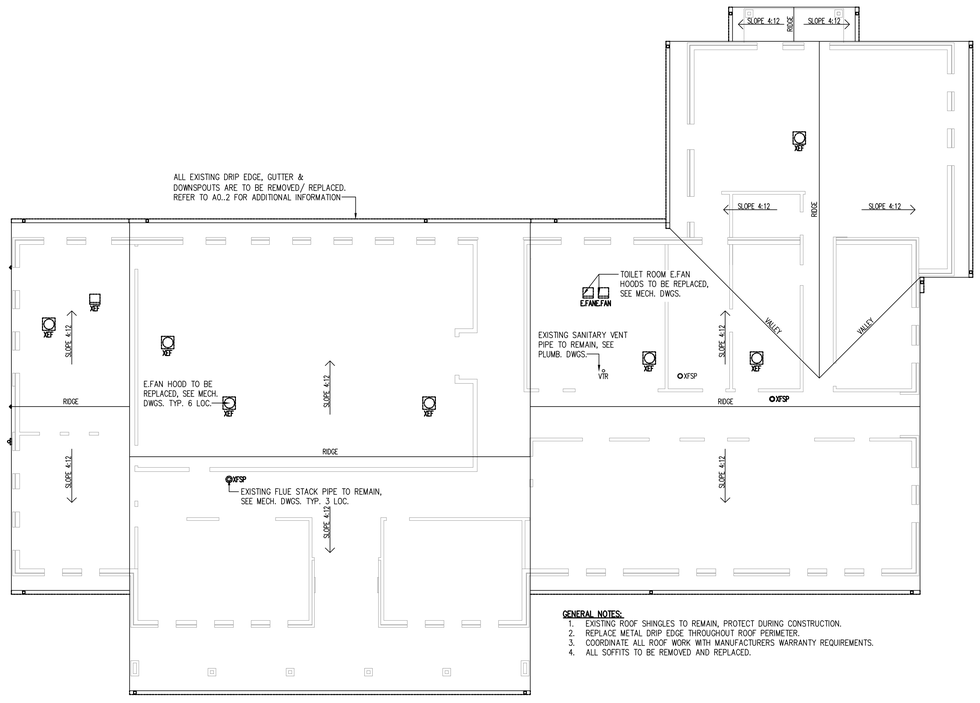


1 A0.1 EXISTING ATTIC PLAN

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



2 A0.1 EXISTING ROOF PLAN

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

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TOWNSHIP OF SOUTHAMPTON

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5 RETREAT ROAD
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EXISTING ATTIC / ROOF PLANS

A0.1

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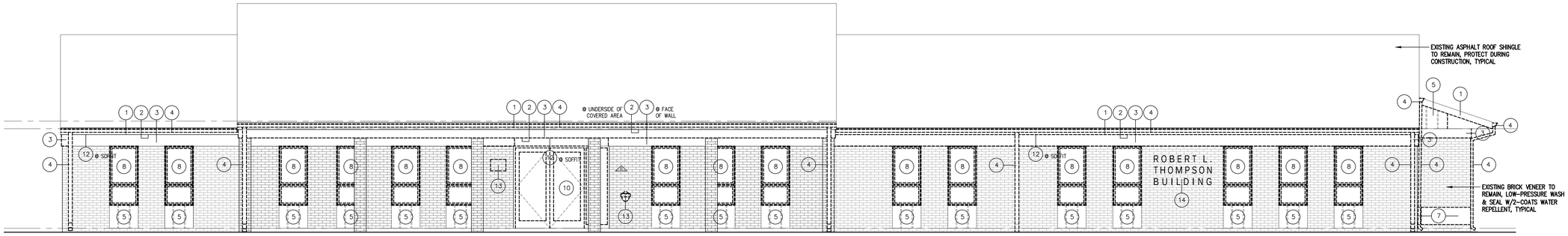
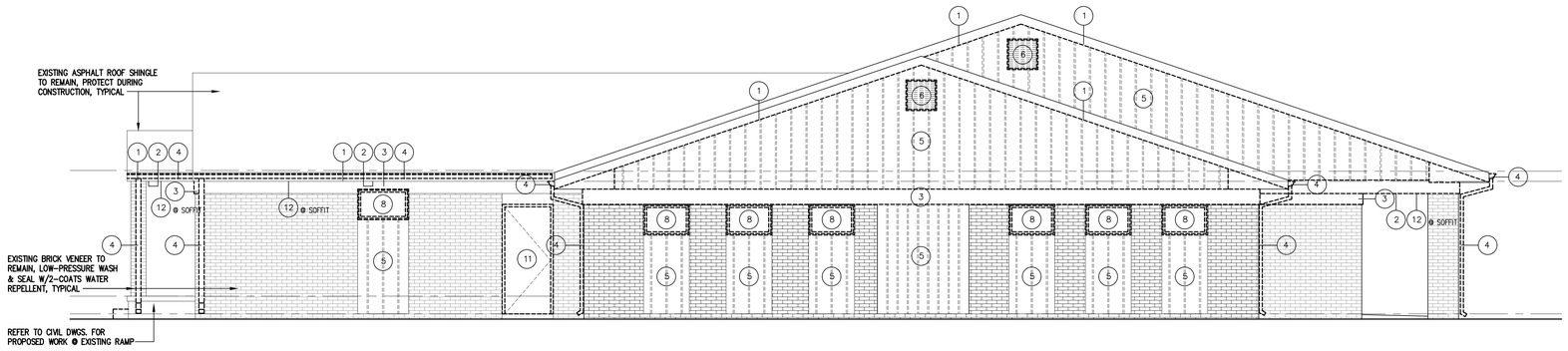


1 A0.2 EXISTING WEST ELEVATION

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

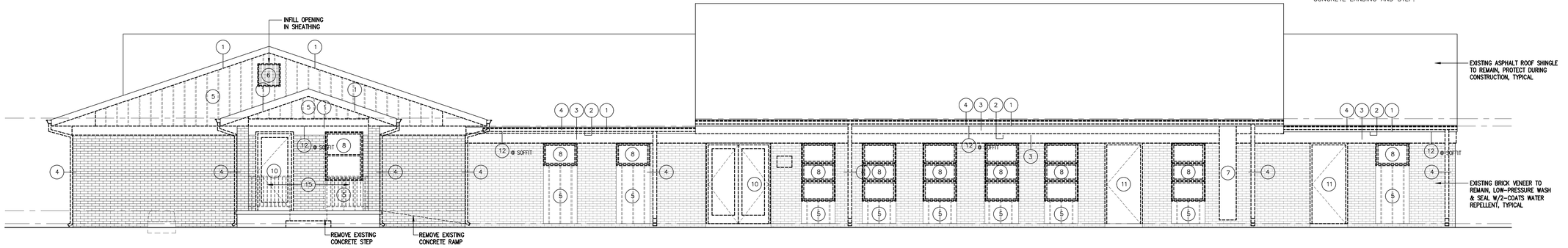


2 A0.2 EXISTING NORTH ELEVATION

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

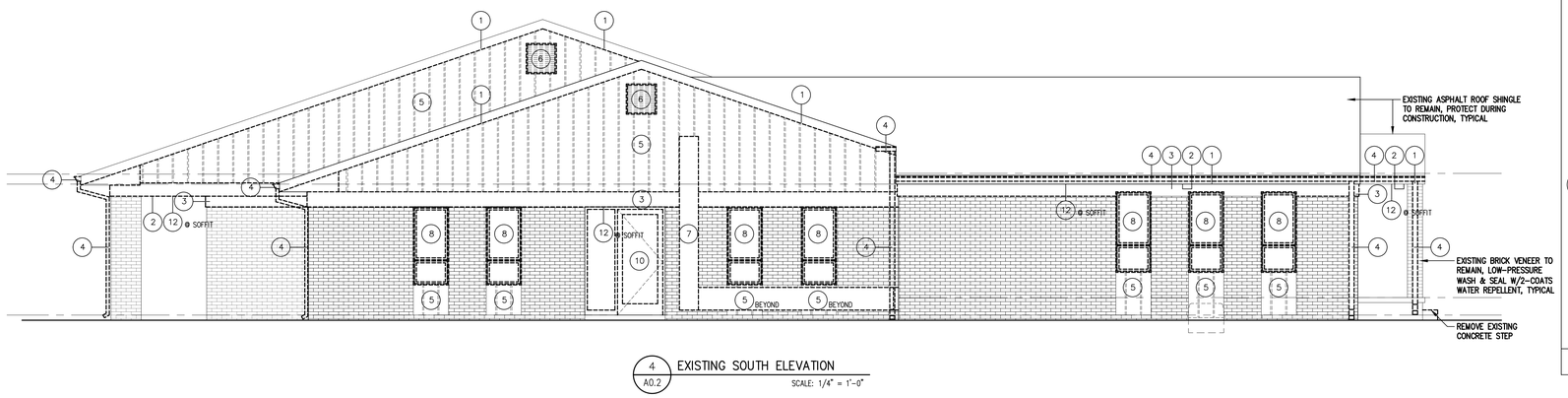
DEMOLITION ELEVATION REFERENCE NOTES

1. REMOVE BENT METAL FASCIA AND ASSOCIATED TRIM, REPAIR DAMAGED SECTIONS OF WOOD FASCIA BOARD AS REQUIRED.
2. REMOVE VENTED METAL SOFFIT.
3. REMOVE BENT METAL FRIEZE, REPAIR DAMAGED SECTIONS OF WOOD TRIM BOARD AS REQUIRED.
4. REMOVE METAL GUTTER, DOWNSPOUT AND ALL ASSOCIATED ITEMS.
5. REMOVE METAL SIDING & WEATHER BARRIER. REPAIR ANY EXPOSED DAMAGED WOOD SHEATHING AS REQUIRED.
6. REMOVE METAL LOUVER, TRIM AND ALL ASSOCIATED ITEMS. COORDINATE WITH MECHANICAL DRAWINGS.
7. REMOVE BENT METAL MECHANICAL PIPE SURROUND. PATCH BRICK VENEER AT FASTENER LOCATIONS TO MATCH ADJACENT EXISTING.
8. REMOVE WINDOW UNIT COMPLETELY, REMOVE METAL SIDING & WEATHER BARRIER FROM BELOW WINDOW TO FINISHED FLOOR.
9. REMOVE WINDOW UNIT COMPLETELY, REMOVE ALL REMAINING MASTIC ON BRICK VENEER. REMOVE WOOD FRAMING, GYPSUM BOARD, METAL SIDING & WEATHER BARRIER FROM BELOW WINDOW TO FINISHED FLOOR TO ACCOMMODATE NEW WORK.
10. REMOVE ALUMINUM FRAME, ALUMINUM/GLASS DOOR(S), HARDWARE, SIDELITE (IF APPLICABLE) AND ALL ADA ACCESS COMPONENTS. PREPARE OPENING FOR NEW FRAME.
11. REMOVE HOLLOW METAL FRAME, DOOR, & HARDWARE. PREPARE OPENING FOR NEW FRAME.
12. REMOVE ALL EXTERIOR LIGHT FIXTURES INCLUDING RECESSED SOFFIT LIGHTING. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
13. REMOVE BUILDING MOUNTED SIGNAGE & DEVICES. PATCH BRICK VENEER AT FASTENER LOCATIONS TO MATCH ADJACENT EXISTING.
14. REMOVE BUILDING MOUNTED LETTERING. PATCH BRICK VENEER AT FASTENER LOCATIONS TO MATCH ADJACENT EXISTING.
15. REMOVE WROUGHT IRON RAILING, CLEAN RUST STAINS ON EXISTING CONCRETE LANDING AND STEP.



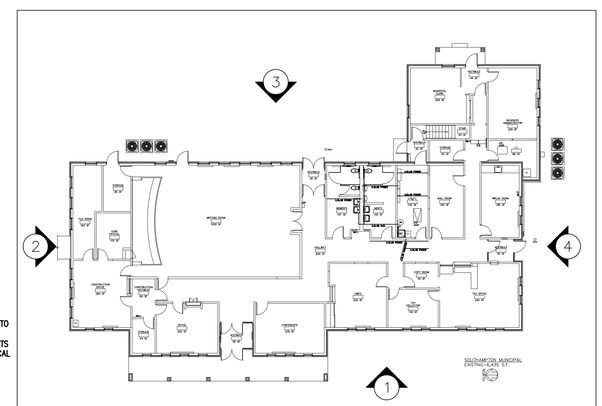
3 A0.2 EXISTING EAST ELEVATION

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



4 A0.2 EXISTING SOUTH ELEVATION

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



KEY PLAN

SCALE: 1/16"=1'-0"

ISSUED FOR BID: 10-1-2026

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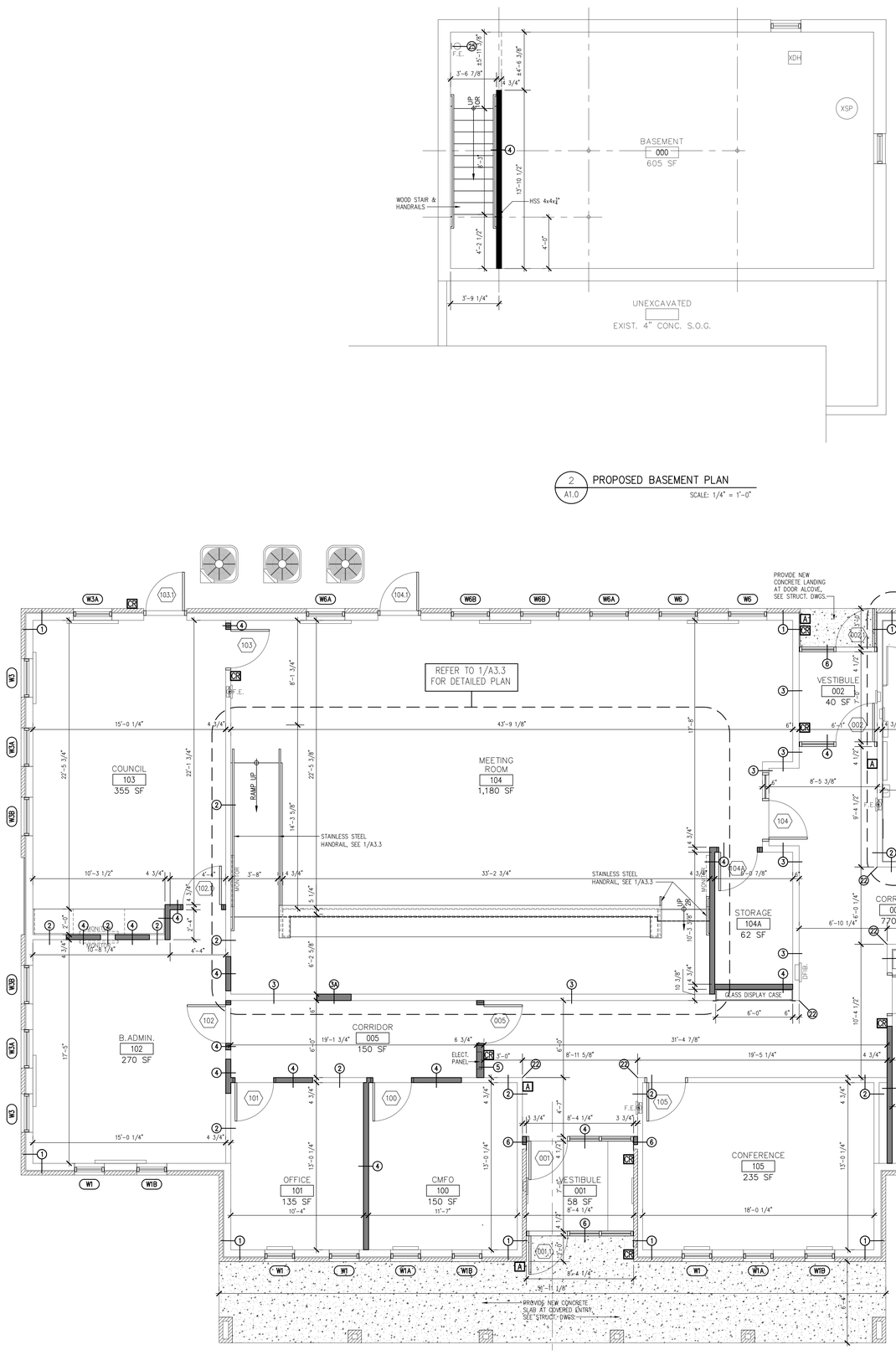
TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS		
MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

EXISTING ELEVATIONS

A0.2



2 A1.0 PROPOSED BASEMENT PLAN
SCALE: 1/4" = 1'-0"

1 A1.0 PROPOSED MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"

NEW WORK FLOOR PLAN LEGEND

- NEW WOOD STUD PARTITION
- EXISTING WOOD STUD PARTITION
- EXISTING BRICK VENEER
- (#) FOR WALL TYPES SEE DWG. A5.0
- (#) FOR DOOR TYPES & DETAILS SEE DWGS. A6.0 & A6.1
- (W) FOR WINDOW TYPES & DETAILS SEE DWG. A7.0
- CR DESIGNATES DOORS WITH CARD READER ACCESS. (SEE ELECT. DRWGS. & HARDWARE SCHED.)
- F.E. **FIRE EXTINGUISHER (SEE DETAIL 23/A5.0)**
- DFIB. **DEFIBRILLATOR (BY OWNER, INSTALLED BY G.C.)**
- C.J. **CONTROL JOINT (MASONRY) (SEE 17&18/A5.0)** * SEE ELEVATIONS FOR EXTERIOR CONTROL JOINT LOCATIONS

REFER TO ENLARGED TOILET ROOM PLANS ON SHEET A8.0 FOR ADDITIONAL DIMENSIONS & INFORMATION

FOR BUILDING SECTIONS, WALL SECTIONS & DETAILS SEE A4.0

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5 RETREAT ROAD
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PROPOSED FLOOR PLANS
A1.0

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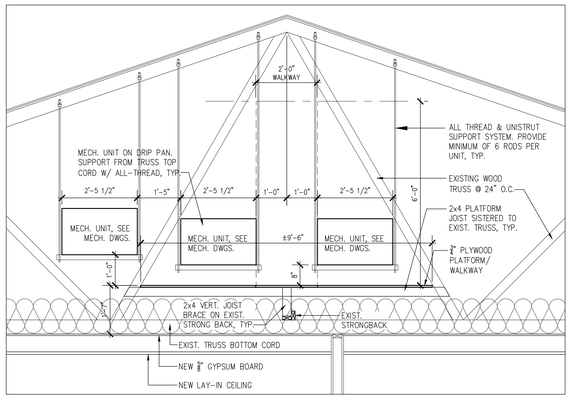

2 A1.1 SECTION DETAIL

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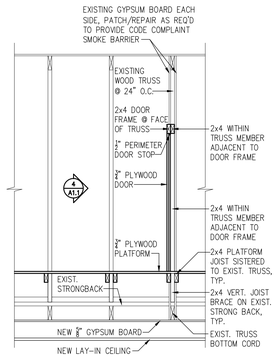

3 A1.1 SECTION DETAIL

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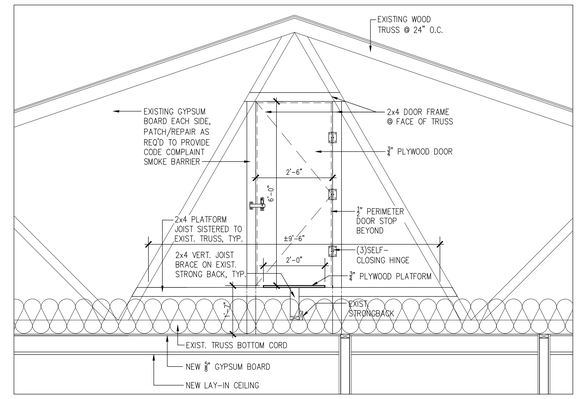

4 A1.1 SECTION DETAIL

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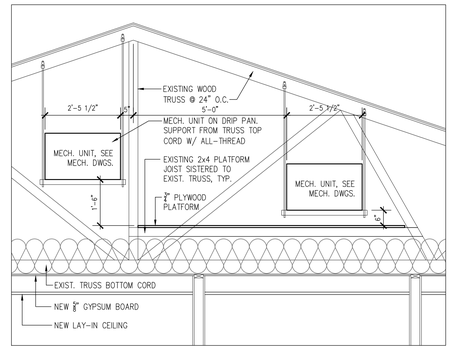

5 A1.1 SECTION DETAIL

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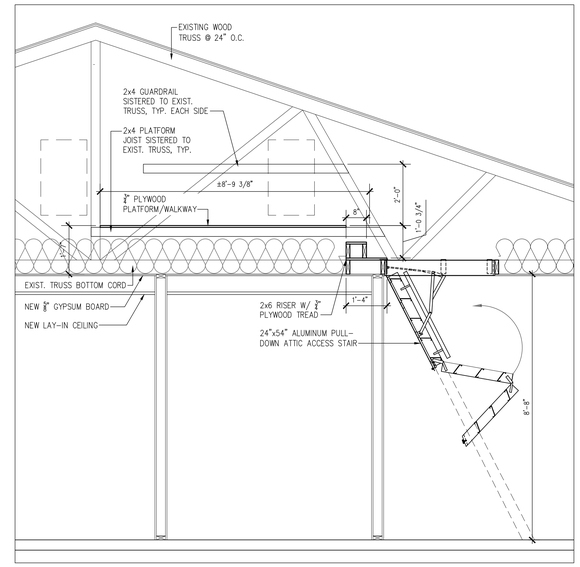
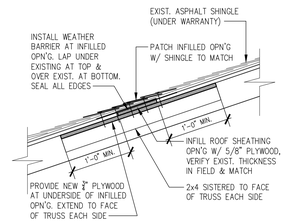


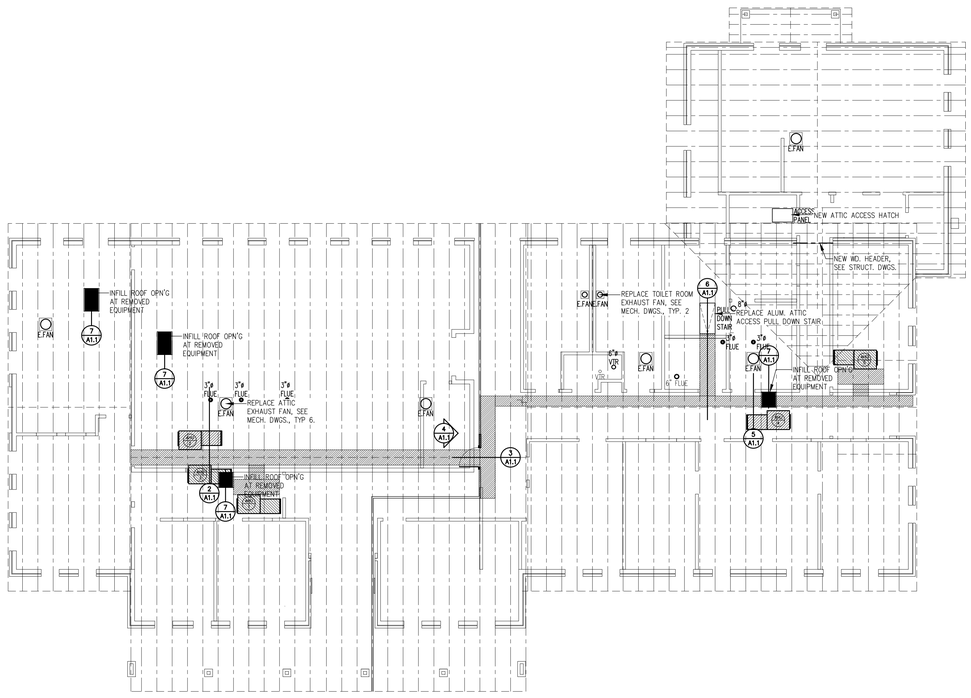
6 A1.1 SECTION DETAIL

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



7 A1.1 SECTION DETAIL

SCALE: 1" = 1'-0"



1 A1.1 PROPOSED ATTIC PLAN

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

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

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Project No. 26-42
Date: 10-1-26
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ATTIC PLAN AND DETAILS

A1.1

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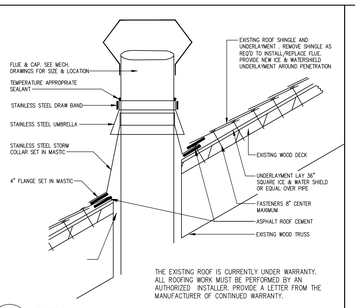
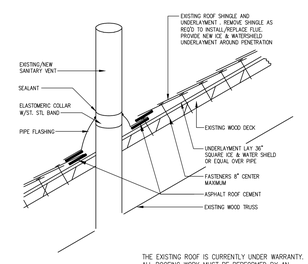
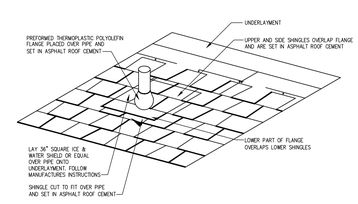


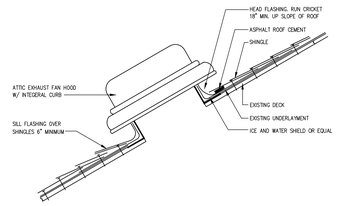
2 A1.2 DETAIL N.T.S.
MECHANICAL FLUE



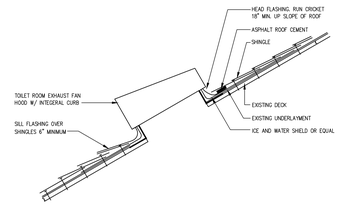
3 A1.2 DETAIL N.T.S.
SANITARY VENT



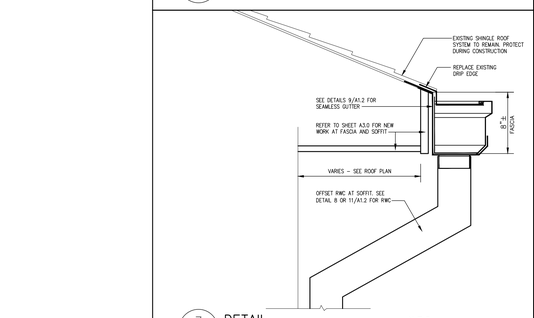
4 A1.2 DETAIL N.T.S.
SANITARY VENT INSTALLATION



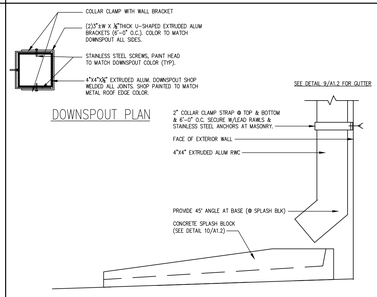
5 A1.2 DETAIL N.T.S.
ATTIC EXHAUST FAN REPLACEMENT



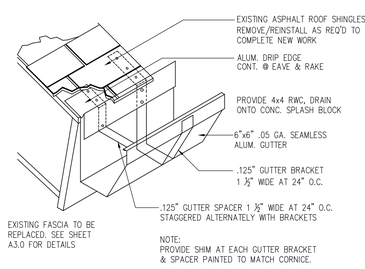
6 A1.2 DETAIL N.T.S.
ATTIC EXHAUST FAN REPLACEMENT



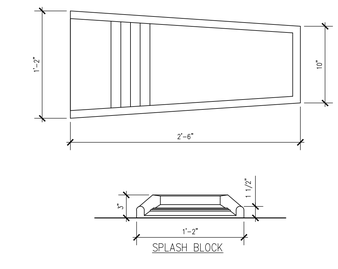
7 A1.2 DETAIL N.T.S.
DOWNSPOUT (RWC)



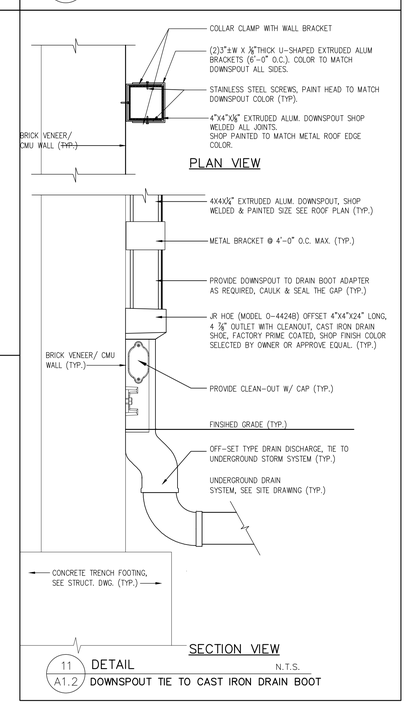
8 A1.2 DETAIL N.T.S.
RWC & SPLASH BLOCK



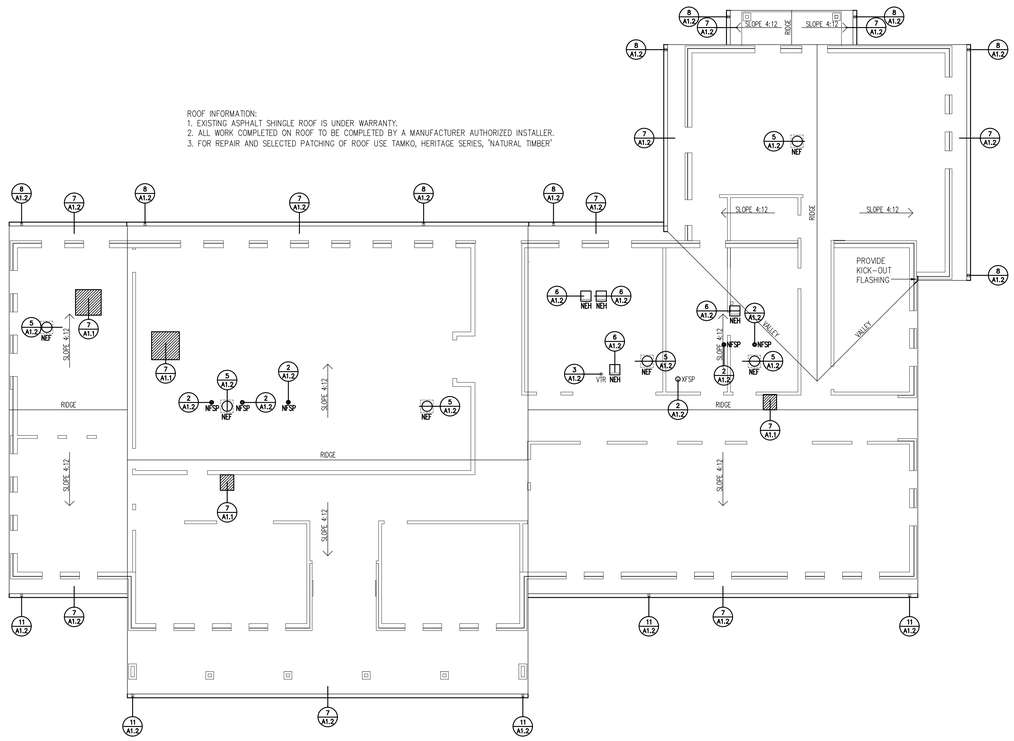
9 A1.2 DETAIL N.T.S.
SEAMLESS GUTTER



10 A1.2 DETAIL N.T.S.
SPLASH BLOCK



11 A1.2 DETAIL N.T.S.
DOWNSPOUT TIE TO CAST IRON DRAIN BOOT



1 A1.2 PROPOSED ROOF PLAN
SCALE: 1/8" = 1'-0"

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

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Project No. 26-42
Date: 10-1-26
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ROOF PLAN AND DETAILS
A1.2

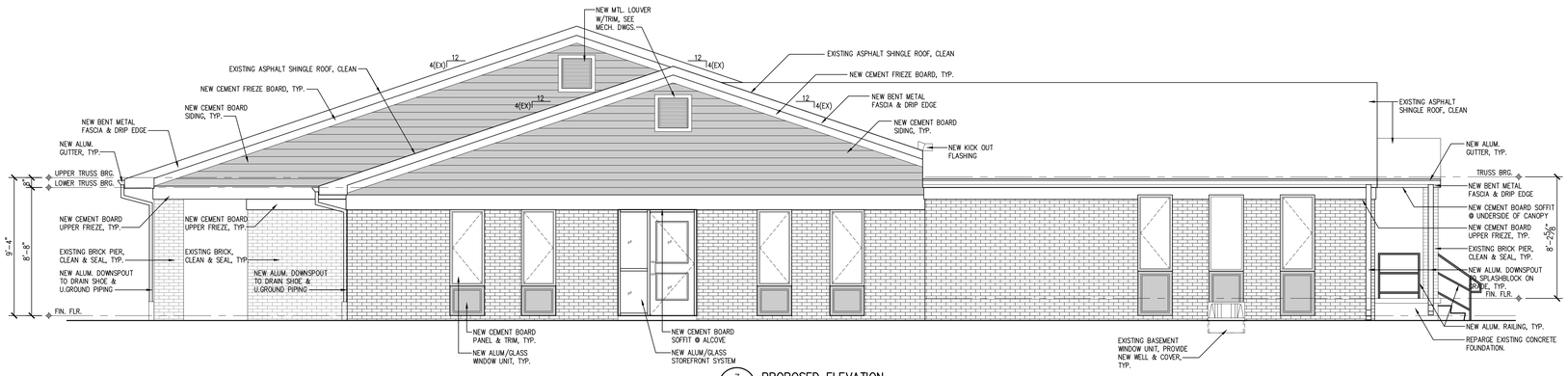
3/4"=1'-0" 1/2"=1'-0" 1 1/2"=1'-0" 1"=1'-0" 3/4"=1'-0" 1/2"=1'-0" 1/4"=1'-0" 1/8"=1'-0" 1/16"=1'-0"

1 A2.0 PROPOSED ELEVATION

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

2 A2.0 PROPOSED ELEVATION

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



3 A2.0 PROPOSED ELEVATION

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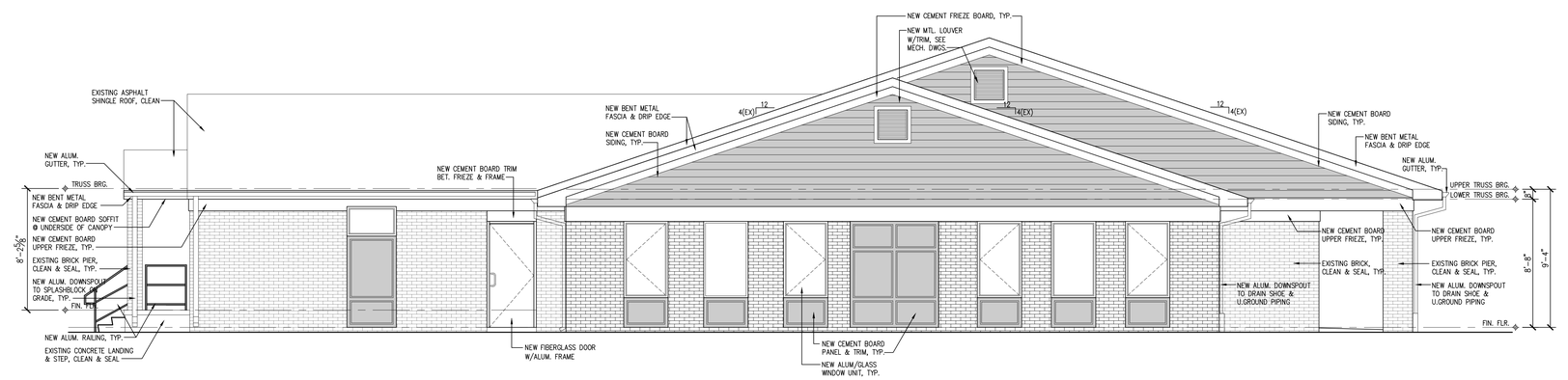

4 A2.0 PROPOSED ELEVATION

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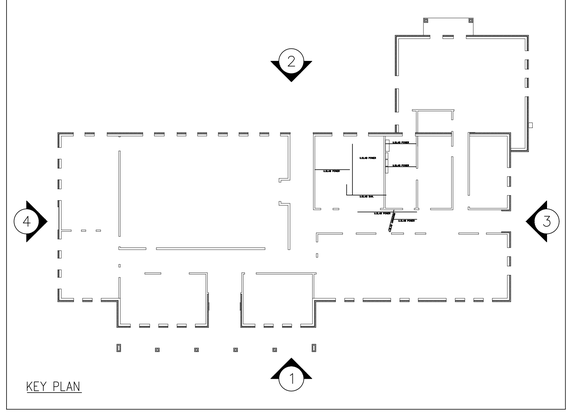

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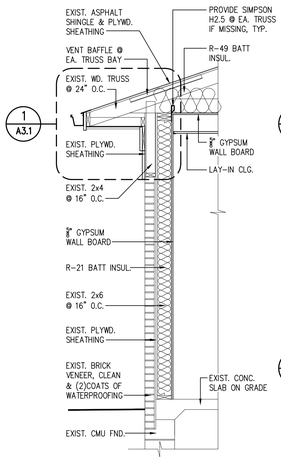
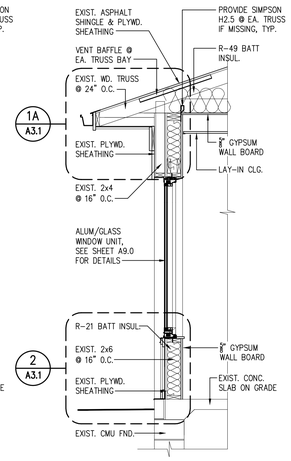
PROPOSED ELEVATIONS

A2.0



1 WALL SECTION
A3.0 SCALE: 1/2" = 1'-0"



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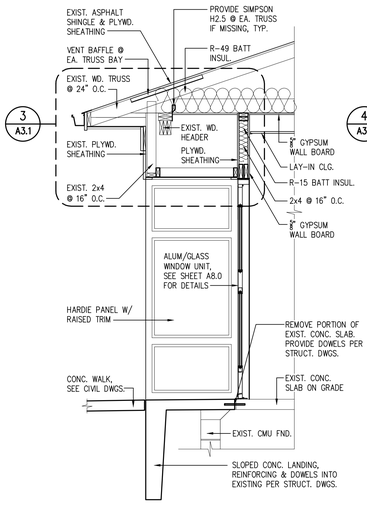

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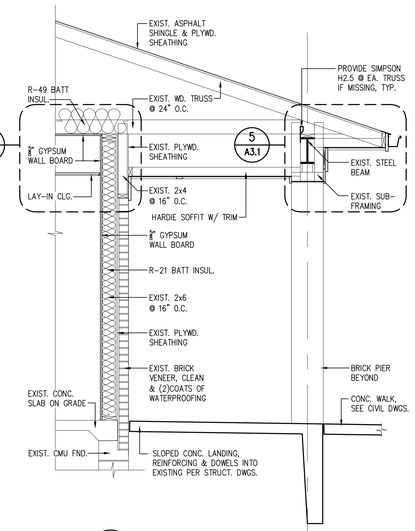

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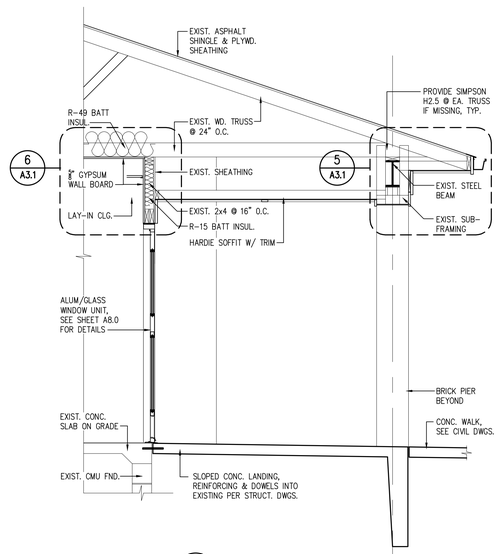

5 WALL SECTION
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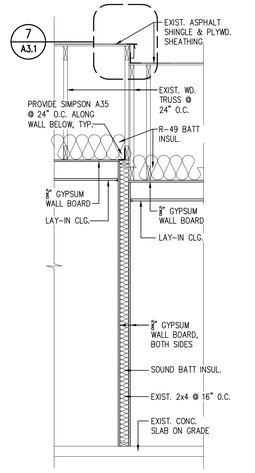

6 WALL SECTION
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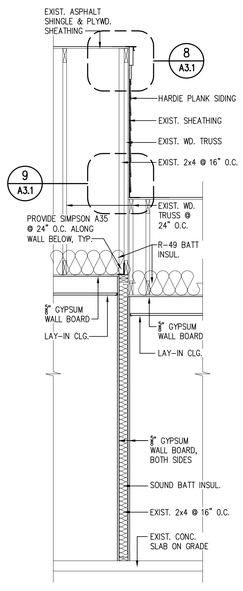
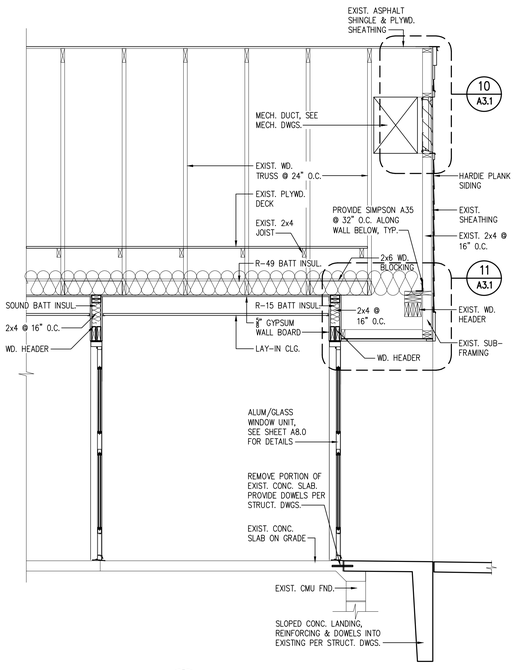


7 WALL SECTION
A3.0 SCALE: 1/2" = 1'-0"



8 WALL SECTION
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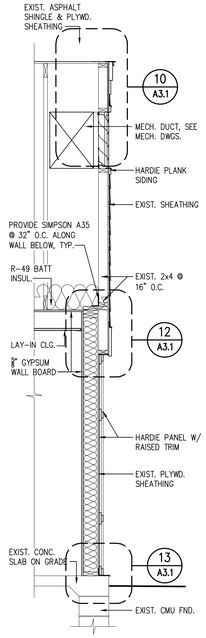

9 WALL SECTION
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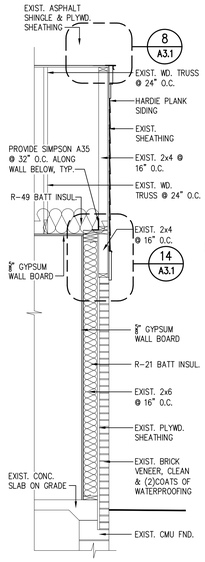

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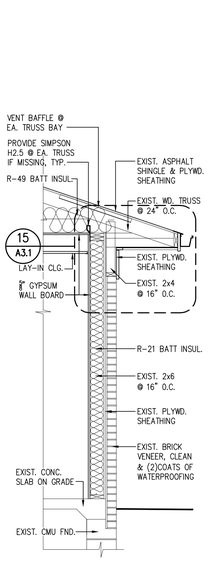
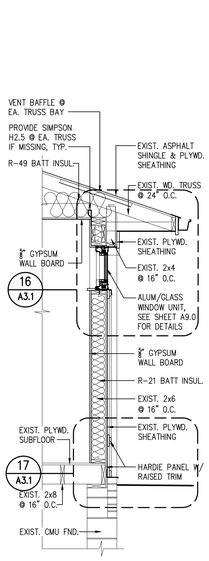


11 WALL SECTION
A3.0 SCALE: 1/2" = 1'-0"



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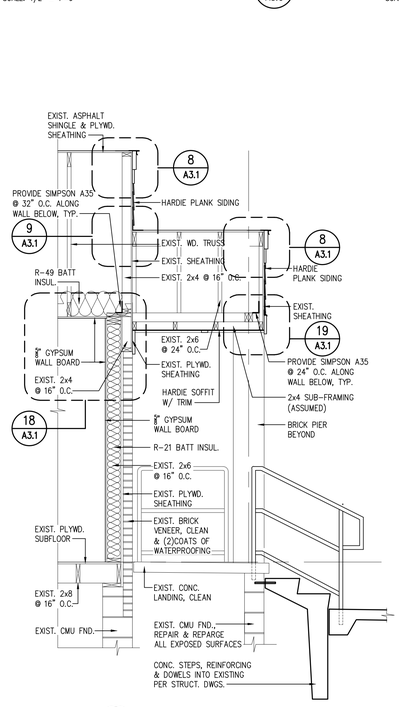

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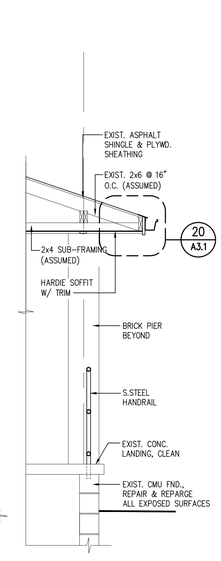

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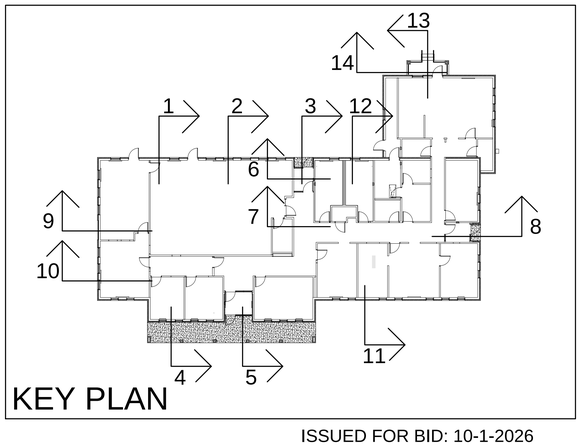

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATION
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

WALL SECTIONS AND DETAILS

A3.0

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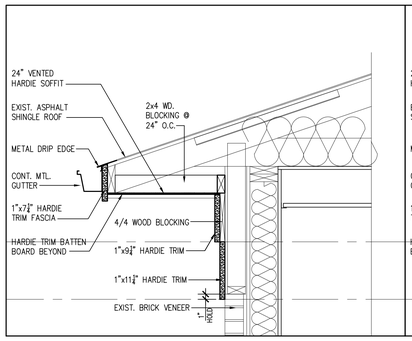

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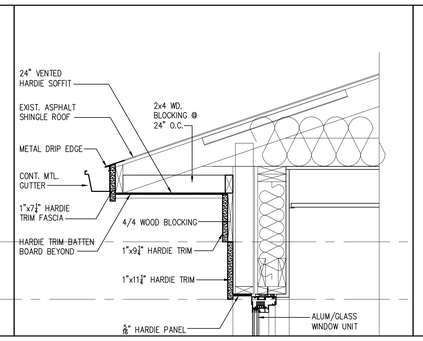

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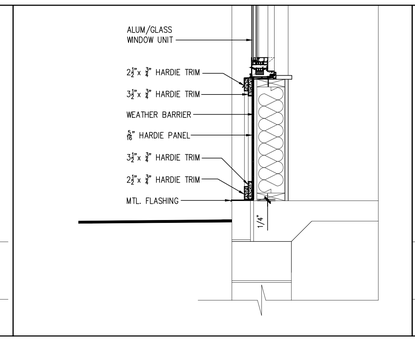

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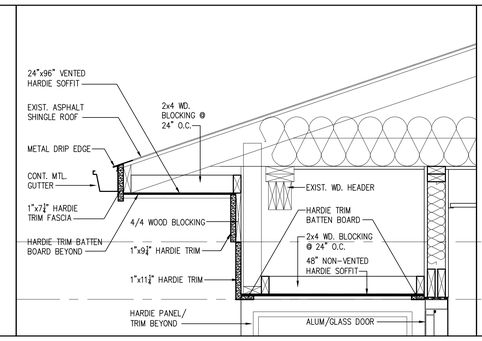

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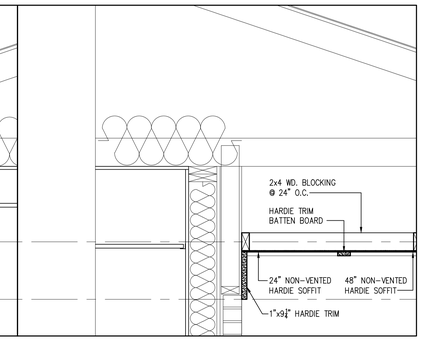

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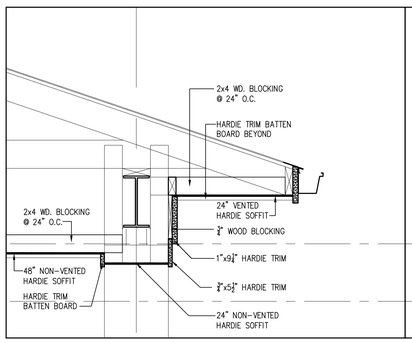

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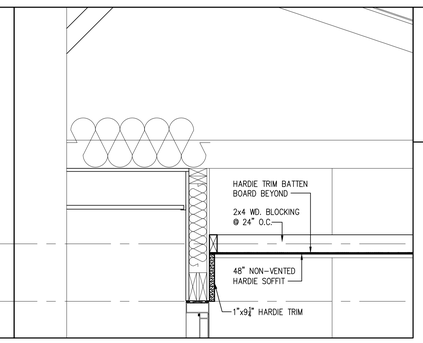

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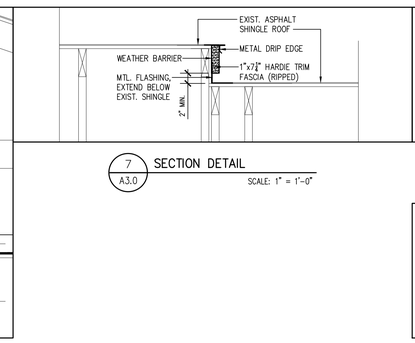

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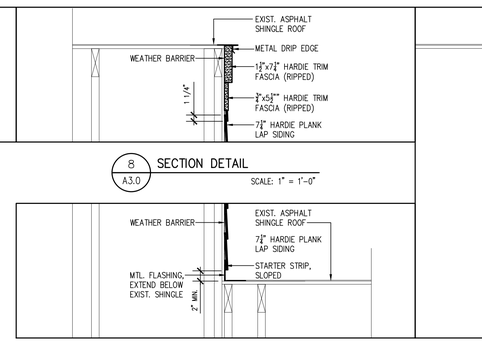

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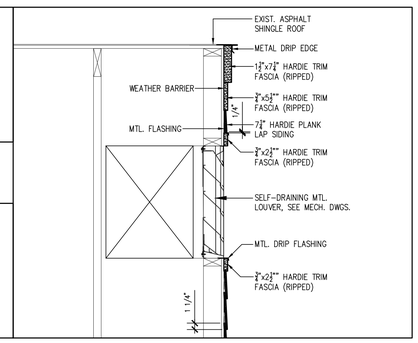

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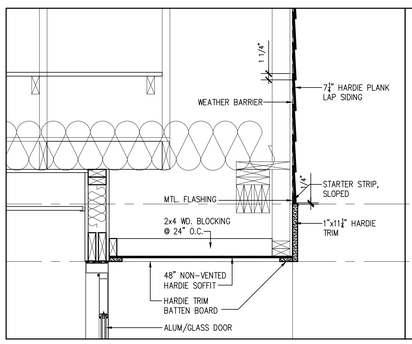

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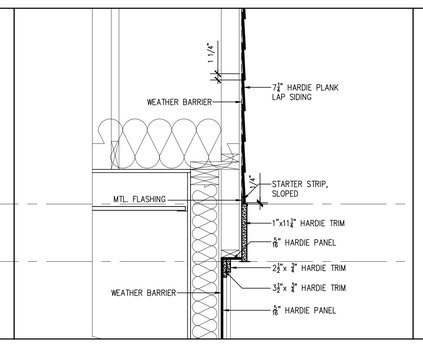

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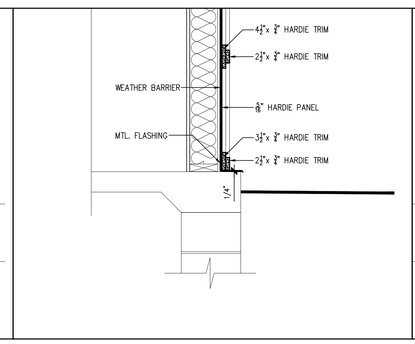

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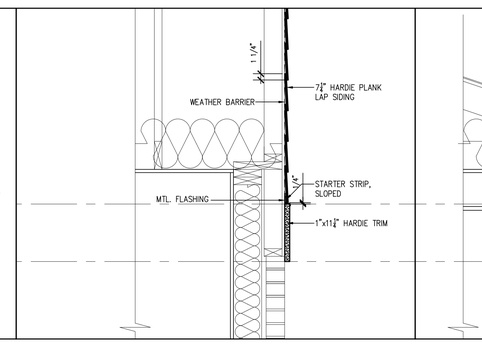

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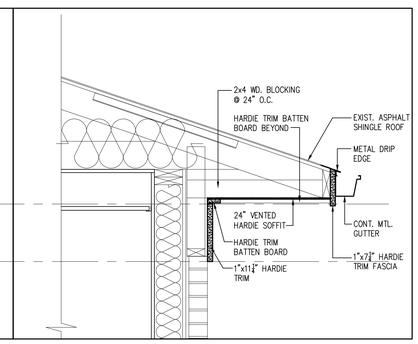

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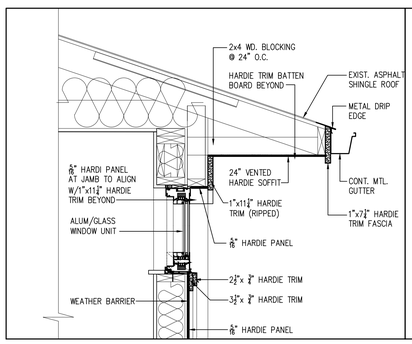

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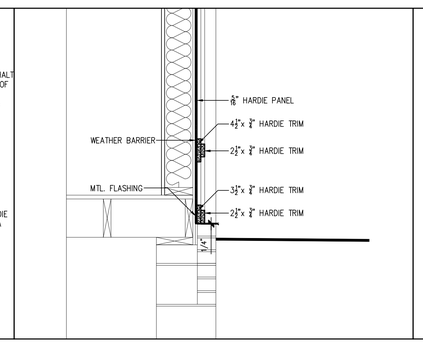

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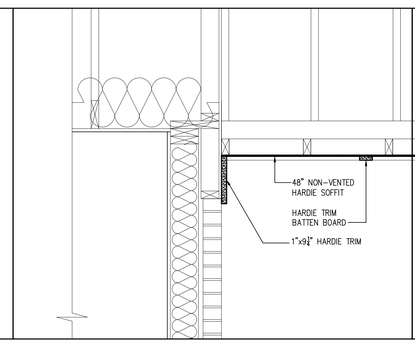

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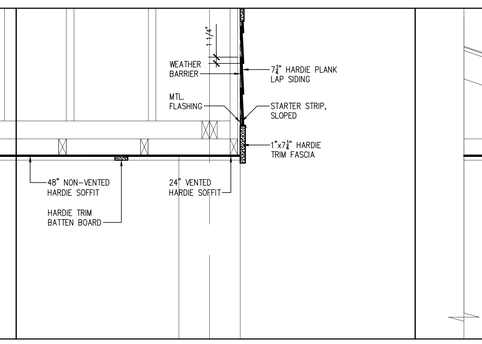

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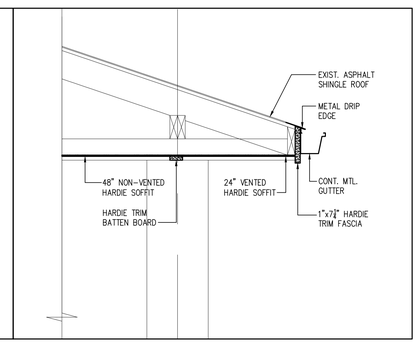

20 SECTION DETAIL (A3.0) SCALE: 1" = 1'-0"

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS		
MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

SECTION DETAILS

A3.1

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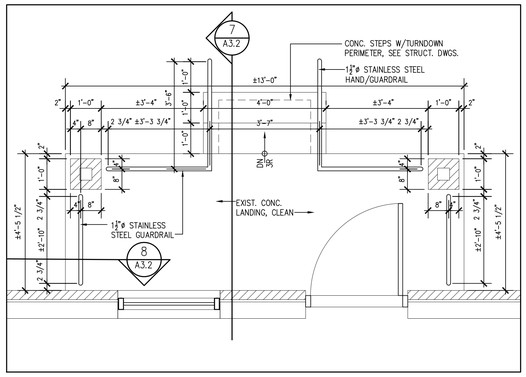

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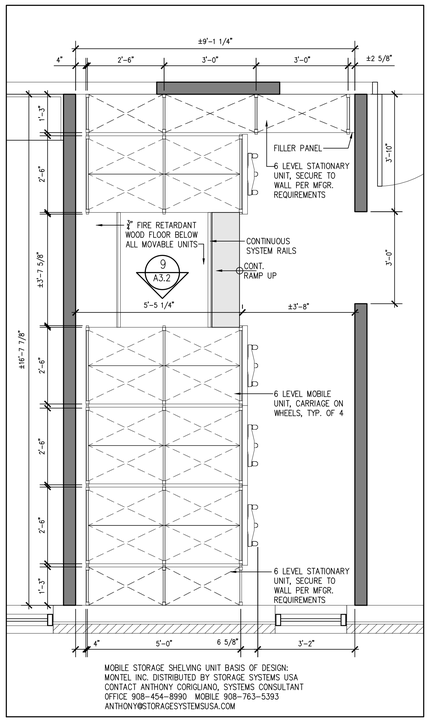

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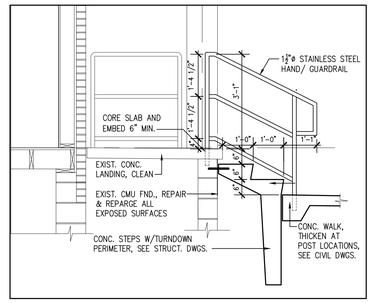

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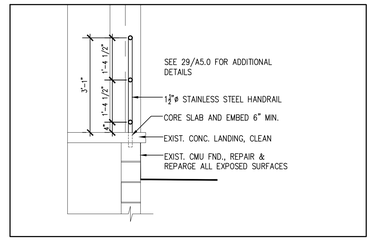

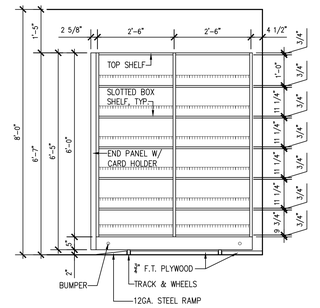

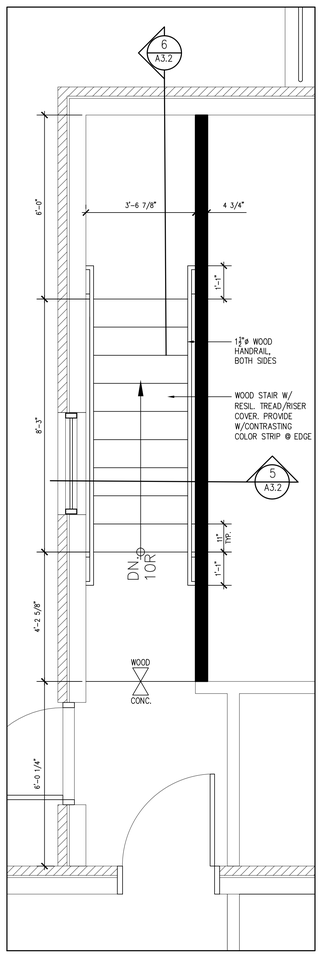

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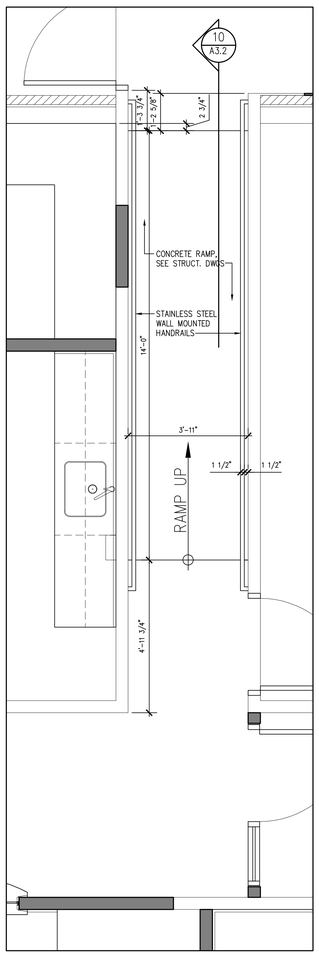

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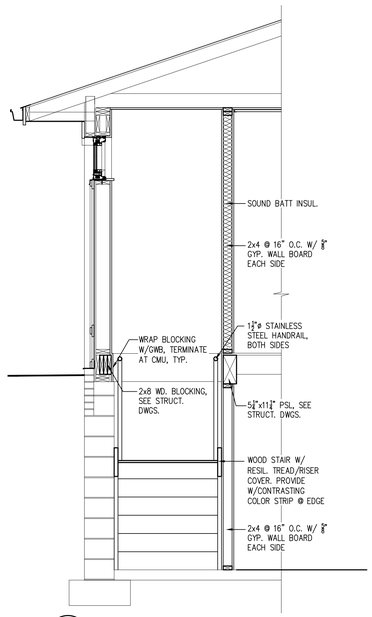

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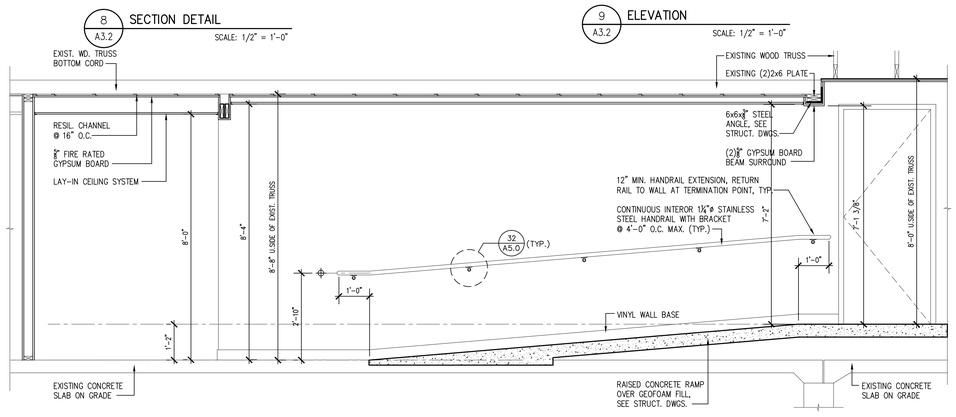
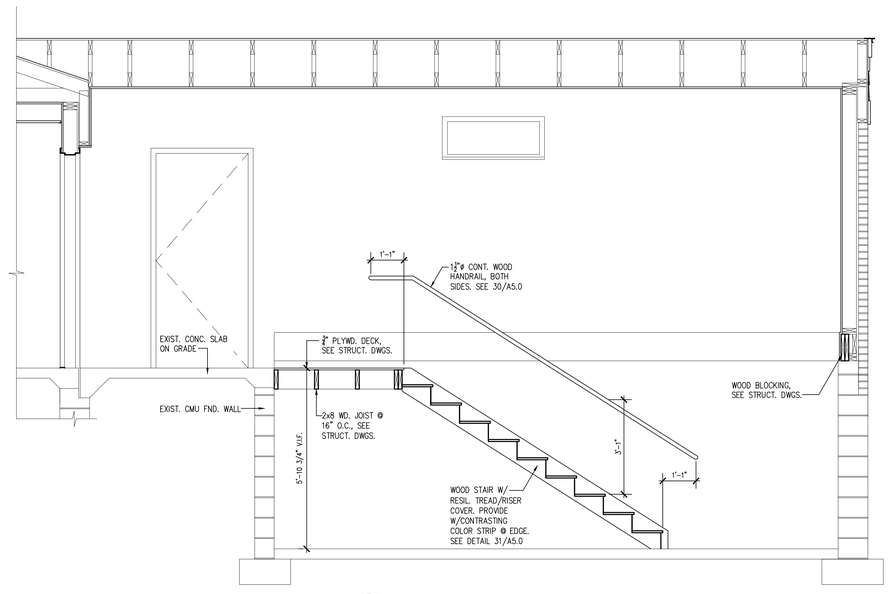


8 A3.2 SECTION DETAIL
SCALE: 1/2" = 1'-0"

9 A3.2 ELEVATION
SCALE: 1/2" = 1'-0"

10 A3.2 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



6 A3.2 ENLARGED PLAN
SCALE: 1/2" = 1'-0"

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5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

ENLARGED PLANS & SECTION DETAILS

A3.2

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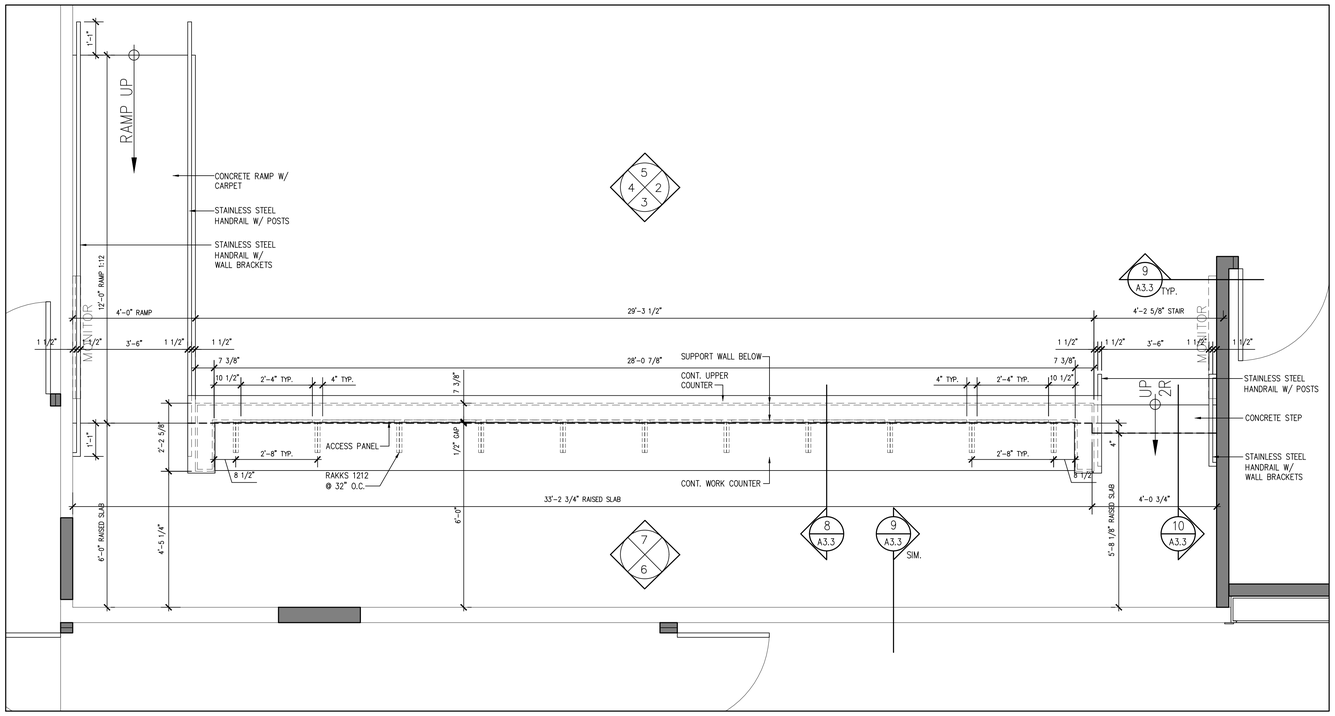

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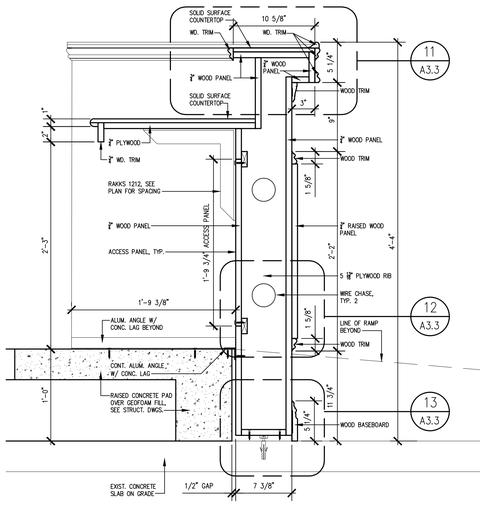

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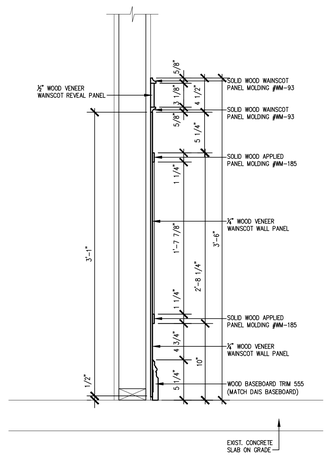

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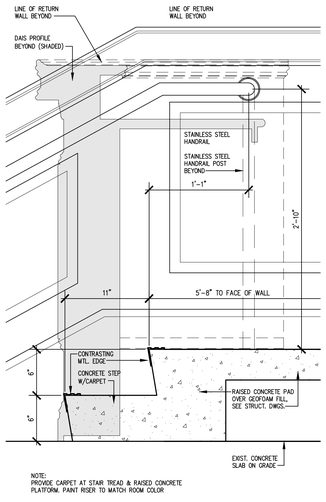

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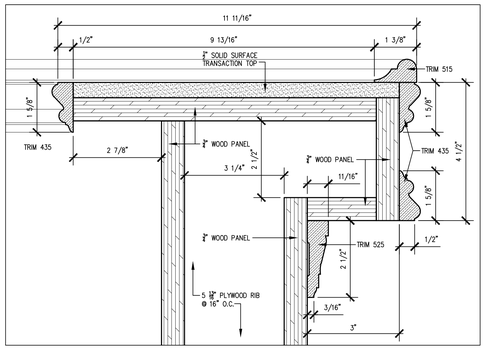

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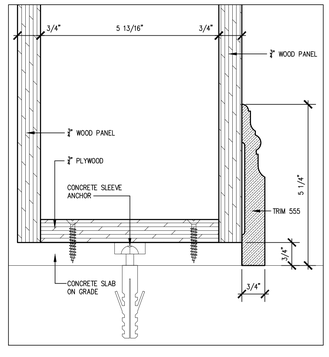

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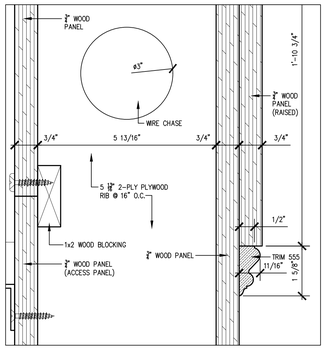

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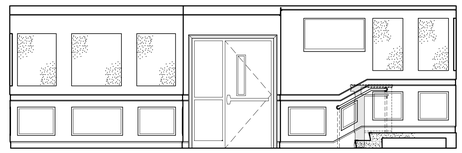

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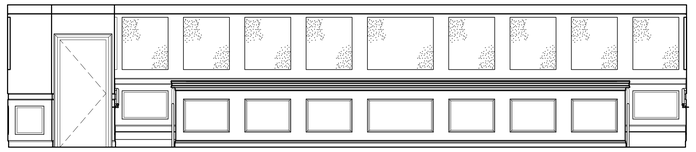
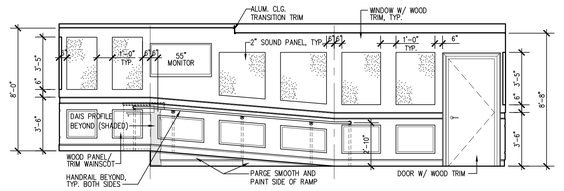
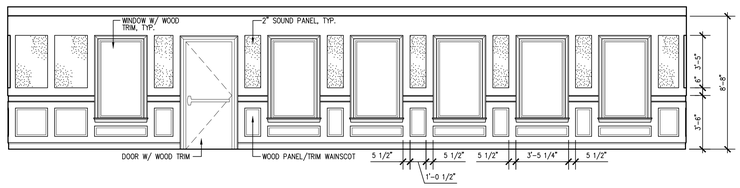


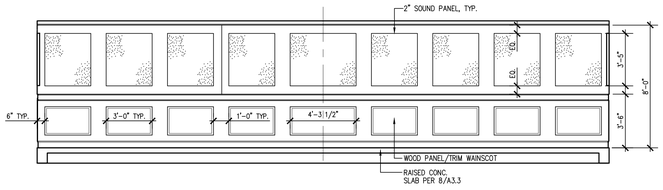
3 A3.3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



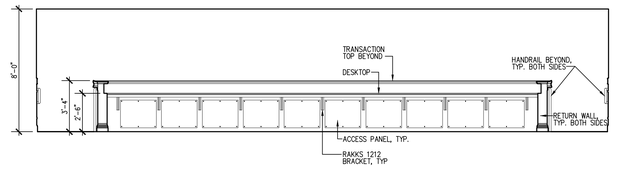
4 A3.3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



5 A3.3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



6 A3.3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



7 A3.3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS		
MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

ENLARGED MEETING ROOM PLAN, SECTION & DETAILS

A3.3

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2 / A4.0 CEILING TRANSITION DETAIL
MEETING ROOM
SCALE: 3" = 1'-0"

CEILING LEGEND

- 2'x4' LAY-IN LED LIGHT FIXTURE
- 4' SURFACE/PENDANT LINEAR LIGHT FIXTURE
- RECESSED LED SOFFIT LIGHT FIXTURE
- RECESSED LED SOFFIT LIGHT FIXTURE
- 2x2 LAY IN SPEAKER
- WALL MOUNTED DSS MECH UNIT
- EXHAUST FAN / GRILLE
- EXHAUST FAN GRILLE
- SUPPLY AIR REGISTER
- 2" SOUND PANEL

GENERAL NOTES

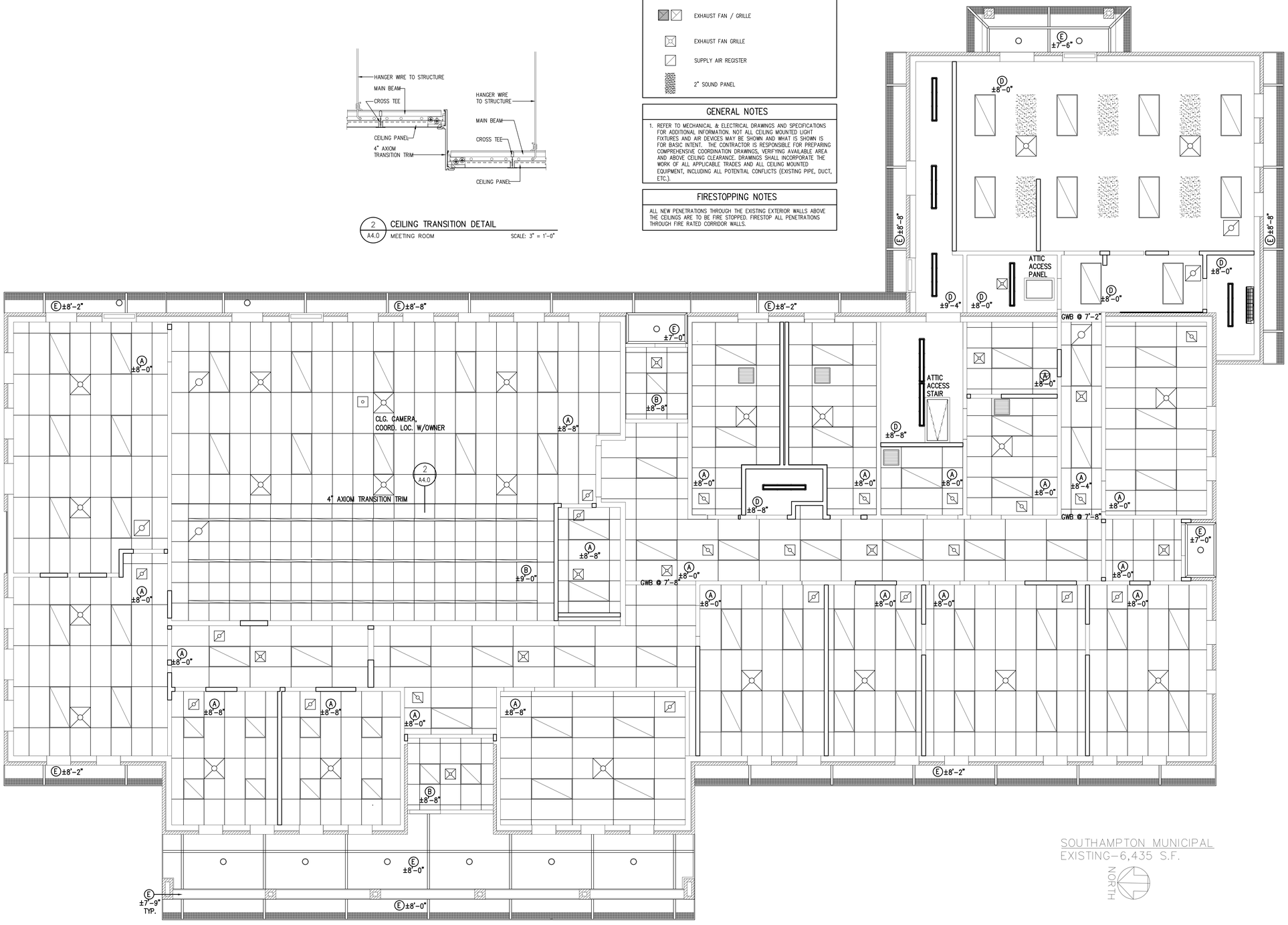
1. REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. NOT ALL CEILING MOUNTED LIGHT FIXTURES AND AIR DEVICES MAY BE SHOWN AND WHAT IS SHOWN IS FOR BASIC INTENT. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING COMPREHENSIVE COORDINATION DRAWINGS, VERIFYING AVAILABLE AREA AND ABOVE CEILING CLEARANCE. DRAWINGS SHALL INCORPORATE THE WORK OF ALL APPLICABLE TRADES AND ALL CEILING MOUNTED EQUIPMENT, INCLUDING ALL POTENTIAL CONFLICTS (EXISTING PIPE, DUCT, ETC.).

FIRESTOPPING NOTES

ALL NEW PENETRATIONS THROUGH THE EXISTING EXTERIOR WALLS ABOVE THE CEILINGS ARE TO BE FIRE STOPPED. FIRESTOP ALL PENETRATIONS THROUGH FIRE RATED CORRIDOR WALLS.

CEILING FINISH TYPES

- (A) 2'x4' LAY-IN TILE (NON-RATED) (MOISTURE-RESISTANT)
- (B) 2'x2' LAY-IN TILE (NON-RATED) (MOISTURE-RESISTANT)
- (C) NOT USED
- (D) GYPSUM WALL BOARD (PAINTED)
- (E) CEMENT BOARD SOFFIT (PARTIALLY VENTED)



1 / A4.0 PROPOSED MAIN FLOOR CEILING PLAN
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

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5 RETREAT ROAD
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REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
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PROPOSED CEILING PLANS
A4.0

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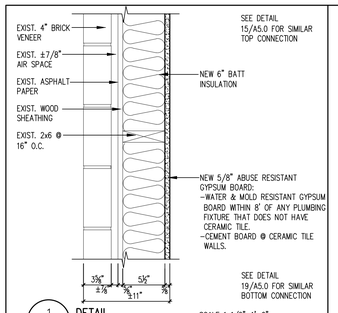
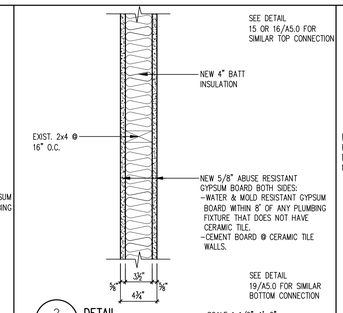


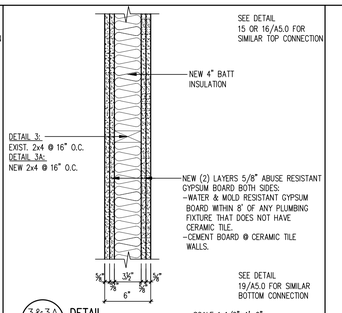
1 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

TYPICAL EXISTING 2x6 STUD EXTERIOR WALL



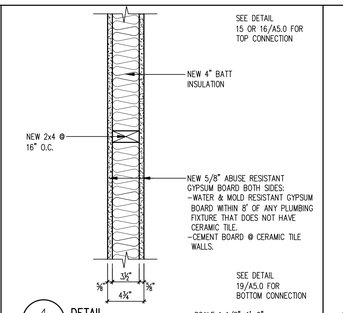
2 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

TYPICAL EXISTING 2x4 STUD INTERIOR WALL (ONE HOUR FIRE RATED AT ALL CORRIDOR WALLS)



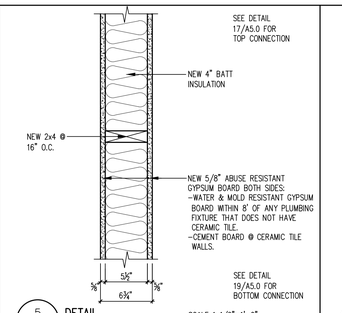
3&3A A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

EXISTING 2x4 STUD INTERIOR WALL (ONE HOUR FIRE RATED AT ALL CORRIDOR WALLS)



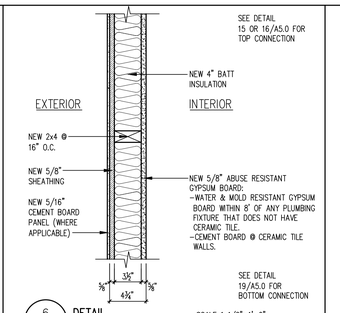
4 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

TYPICAL NEW 2x4 STUD INTERIOR WALL (ONE HOUR FIRE RATED AT ALL CORRIDOR WALLS)



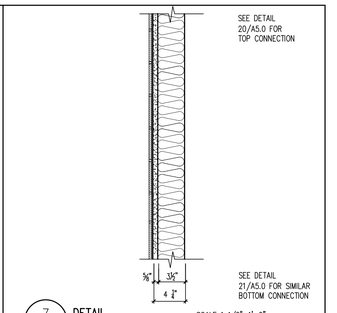
5 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

TYPICAL NEW 2x6 STUD INTERIOR WALL (ONE HOUR FIRE RATED AT ALL CORRIDOR WALLS)



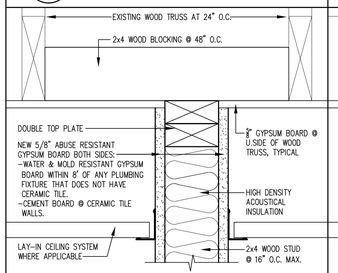
6 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

TYPICAL NEW 2x4 STUD EXTERIOR WALL (ONE HOUR FIRE RATED AT ALL CORRIDOR WALLS)



7 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

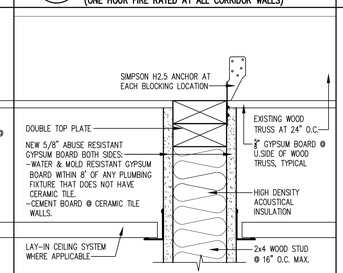
TYPICAL NEW 2x4 STUD INTERIOR CHASE WALL



15 A5.0 **DETAIL** SCALE 3"=1'-0"

STUD WALL AT WOOD TRUSS – PARALLEL

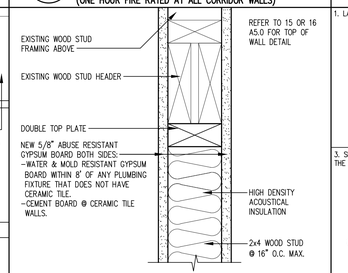
SEE OTHER DETAILS FOR FIRE RATING



16 A5.0 **DETAIL** SCALE 3"=1'-0"

STUD WALL AT WOOD TRUSS – PERPENDICULAR

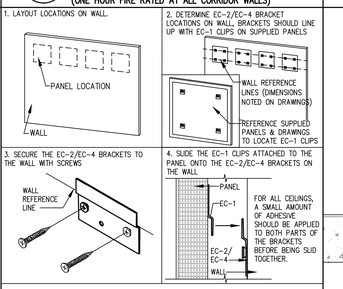
SEE OTHER DETAILS FOR FIRE RATING



17 A5.0 **DETAIL** SCALE 3"=1'-0"

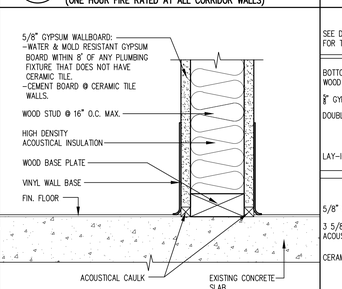
STUD WALL AT EXISTING OPENG INFILL

SEE OTHER DETAILS FOR FIRE RATING



18 A5.0 **DETAIL** SCALE NONE

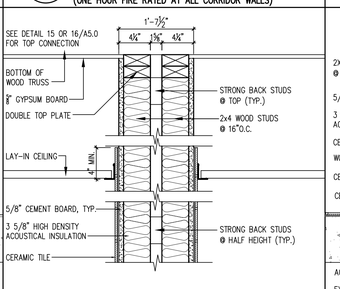
SOUND PANEL ATTACHMENT DETAILS



19 A5.0 **DETAIL** SCALE 3"=1'-0"

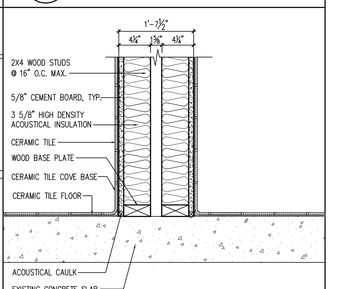
STUD WALL AT FLOOR

SEE OTHER DETAILS FOR FIRE RATING



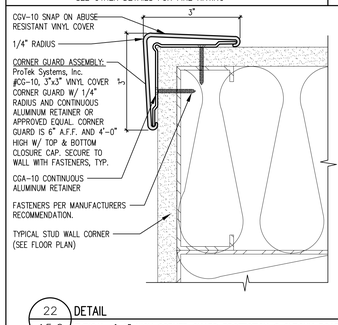
20 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

TYPICAL CHASE WALL AT TOP CONNECTION



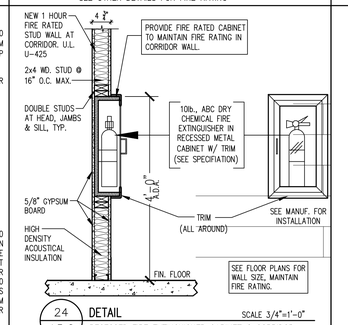
21 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

TYPICAL CHASE WALL AT FLOOR CONNECTION



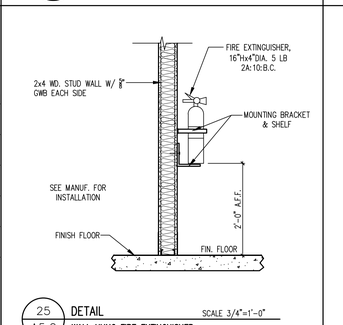
22 A5.0 **DETAIL** NO SCALE

TYPICAL 4'-0" HIGH CORNER GUARD PROTECTION @ GYPSUM BOARD WALLS



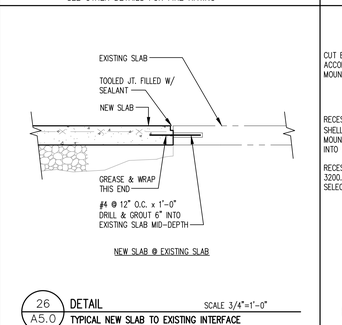
24 A5.0 **DETAIL** SCALE 3/4"=1'-0"

RECESSED FIRE EXTINGUISHER CABINET @ CORRIDOR 2x4 STUD WALL



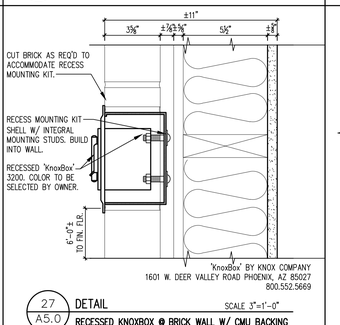
25 A5.0 **DETAIL** SCALE 3/4"=1'-0"

WALL HUNG FIRE EXTINGUISHER



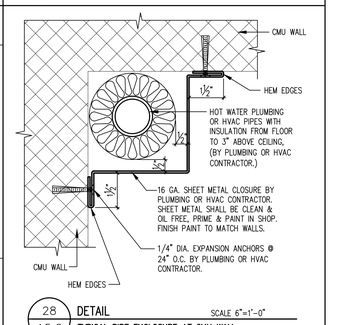
26 A5.0 **DETAIL** SCALE 3/4"=1'-0"

TYPICAL NEW SLAB TO EXISTING INTERFACE



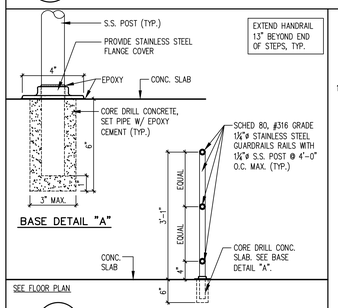
27 A5.0 **DETAIL** SCALE 3"=1'-0"

RECESSED KNOXBOX @ BRICK WALL W/ CMU BACKING



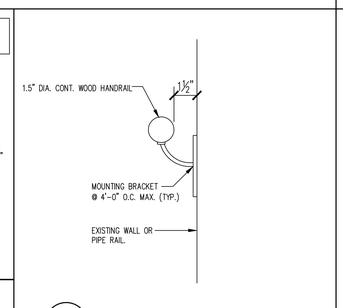
28 A5.0 **DETAIL** SCALE 6"=1'-0"

TYPICAL PIPE ENCLOSURE AT CMU WALL



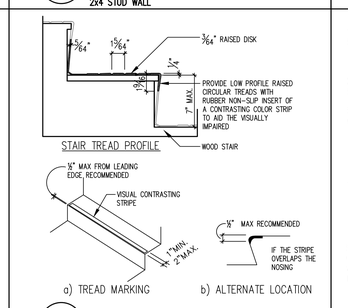
29 A5.0 **DETAIL** SCALE 3/4"=1'-0"

EXTERIOR S.S. HANDRAIL



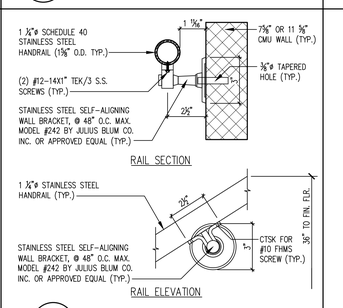
30 A5.0 **DETAIL** SCALE 3"=1'-0"

INTERIOR HANDRAIL



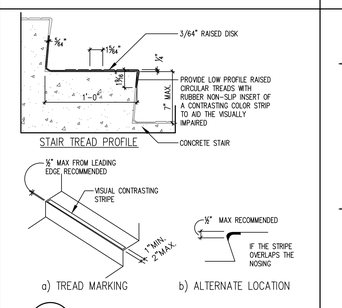
31 A5.0 **DETAIL** SCALE NONE

WOOD STAIR TREAD DETAIL
(ICC A117.1-2017 SECTION 504.6)



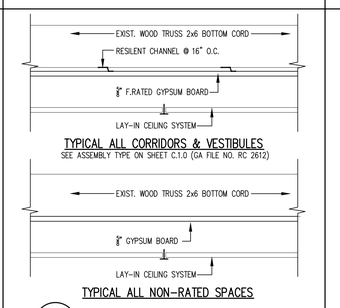
32 A5.0 **DETAIL** SCALE 3"=1'-0"

INTERIOR HANDRAIL



33 A5.0 **DETAIL** SCALE NONE

CONCRETE STAIR TREAD DETAIL
(ICC A117.1-2017 SECTION 504.6)



34 A5.0 **DETAIL** SCALE 1 1/2"=1'-0"

GYPSUM BOARD / CEILING AT WOOD TRUSS

ISSUED FOR BID: 10-1-2026

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REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

WALL TYPES & TYPICAL DETAILS
A5.0

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ROOM & FINISH SCHEDULE

*ENTIRE BUILDING WITH AUTOMATIC SPRINKLER SYSTEM

Number	Name	Floor Finish	Base Finish	Wall Finish	Fire Rating	Ceiling Finish	Ceiling Height	Ceiling Type	Remarks
000	BASEMENT	EXIST. CONCRETE	-	PAINTED GYPSUM BOARD / CMU	0	EXPOSED WOOD JOIST	±6'-4"	-	
001	VESTIBULE	WALK OFF CARPET	VINYL	PAINTED GYPSUM BOARD	1	LAY-IN	±8'-8"	A	
002	VESTIBULE	WALK OFF CARPET	VINYL	PAINTED GYPSUM BOARD	1	LAY-IN	±8'-8"	A	
003	VESTIBULE	WALK OFF CARPET	VINYL	PAINTED GYPSUM BOARD	1	LAY-IN	±8'-0"	A	
004	CORRIDOR	LVT	VINYL	PAINTED GYPSUM BOARD	1	LAY-IN / LAY-IN LOW CLEARANCE	±8'-0"	A	
005	CORRIDOR	LVT	VINYL	PAINTED GYPSUM BOARD	1	LAY-IN	±8'-0"	A	
100	CMFO	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-8"	A	
101	OFFICE	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-8"	A	
102	BUSINESS AMINISTRATOR	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-0"	A	
103	COUNCIL	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-0"	A	
104	MEETING ROOM	CARPET	WOOD	PAINTED GYPSUM BOARD	0	LAY-IN / GYPSUM BOARD	±8'-8"	A / B	SEE A3.3 FOR ADDITIONAL FINISH INFORMATION REGARDING WOOD WAINSCOT & SOUND PANELS
104A	STORAGE	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-8"	A	
105	CONFERENCE	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-8"	A	
106	MUNICIPAL CLERK	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-8"	A	
107	PLANNING/ZONING CONSTRUCTION	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-8"	A	
107A	FILE STORAGE	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-8"	A	
107B	CODE OFFICIAL	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-0"	B	
108	TAX ASSESSOR	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-0"	A	
109	KITCHENETTE	LVT	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-0"	A	
110	STORAGE	LVT	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN	±8'-0"	A	
111	UTILITY	LVT	VINYL	PAINTED GYPSUM BOARD	0	GYPSUM BOARD	±8'-8"	D	
112	TOILET	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	0	LAY-IN	±8'-0"	A	
113	MEN'S	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	0	LAY-IN	±8'-0"	A	
114	WOMEN'S	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	0	LAY-IN	±8'-0"	A	
115	CUSTODIAL	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	0	GYPSUM BOARD	±8'-8"	D	
116	STAIR	LVT / RESIL.	VINYL	PAINTED GYPSUM BOARD	1	GYPSUM BOARD	±8'-0"	D	
117	MAILROOM	LVT	VINYL	PAINTED GYPSUM BOARD	0	GYPSUM BOARD	±8'-0"	D	
118	I.T.	LVT	VINYL	PAINTED GYPSUM BOARD	0	GYPSUM BOARD	±8'-0"	D	
119	TAX OFFICE	CARPET	VINYL	PAINTED GYPSUM BOARD	0	LAY-IN LOW CLEARANCE	±8'-0"	D	

CEILING FINISH TYPES

- (A) 2'x4' LAY-IN TILE (NON-RATED) (MOISTURE-RESISTANT)
- (B) 2'x2' LAY-IN TILE (NON-RATED) (MOISTURE-RESISTANT)
- (D) GYPSUM WALL BOARD PAINTED

REMARKS

- WITH HOLD DOWN CLIPS WITHIN 12'-0" FROM EXTERIOR DOORS

✳ GENERAL NOTES: (FIRE RATING)
ALL WALL, CEILING, FLOOR OR ROOF CONSTRUCTION SHALL MEET ALL FIRE RATING INDICATED IN EACH ROOM AREA ON THE SCHEDULE.

1- LEVEL EXISTING CONCRETE SLAB AT ALL AREAS TO RECEIVE LVT

2- ALL INTERIOR FINISHES SHALL MEET MINIMUM FLAME SPREAD CLASSROOM REQUIREMENT. (BASED ON IBC 2021, NEW JERSEY EDITION)

3- ALL CEILING PANELS SHALL MEET CLASS A REQUIREMENT.

SEE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL & SITE DRAWINGS FOR ITEMS LISTED BY EACH TRADE.

ALL DOORS RECEIVE NEW SIGNAGE (TYP.)

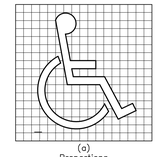
SIGNAGE: ALL SIGNAGE SHALL COMPLY WITH CABO/ANSI 117.1 ALL INTERIOR DOORS ARE TO RECEIVE SIGNAGE

INSTALL PERMANENT SIGNS ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AT MAX. 60" ABOVE FLOOR TO CENTER LINE OF SIGN, OVERHEAD SIGN SHALL BE INSTALLED AT 80" MIN. HEIGHT ABOVE FLOOR. SEE FIG. 0 & FIG. 8 .

LETTERS AND NUMBERS SHALL HAVE WIDTH TO HEIGHT RATIO BETWEEN 3:5 AND 1:1.

ALL LETTERS AND NUMBERS SHALL BE GRADE 2 BRAILLE, PROVIDE INTERNATIONAL SYMBOL FOR ACCESSIBILITY.

EGRESS DOORS DO NOT REQUIRE WALL SIGNAGE.

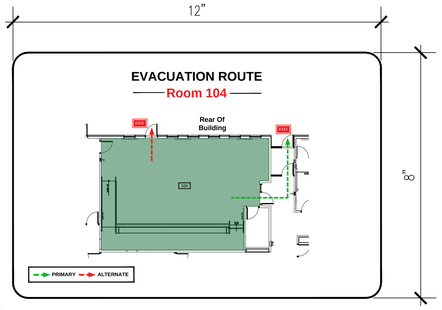


(a)
Proportions
International Symbol of Accessibility

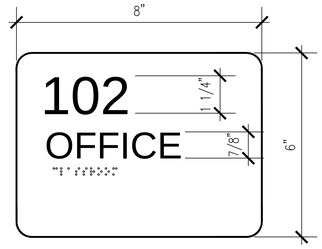
Raised and Braille Characters and Pictorial Symbol Signs (Pictograms). Letters and numerals shall be raised 1/32 in. upper case, sans serif or simple serif type and shall be accompanied with Grade 2 Braille. Raised characters shall be at least 5/8 in. (16 mm) high, but no higher than 2 in. (50 mm). Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram. The border dimension of the pictogram shall be 6 in. (152 mm) minimum in height.

TYPICAL INTERIOR SIGNS

3" DUETS MATERIAL, BACKGROUND MATERIAL TO MATCH SW MUSLIN 6133
TEXT TO BE BLACK, GRADE 2 BRAILLE, TEXT RAISED 1/32"



EGRESS DIAGRAM
ONE SIGN PER ROOM EGRESS DOOR (2 SIGNS @ #603, #609, & #611)
PROVIDE SIGNAGE WITH 3-COLOR PRINTING
GRAPHICS TO BE PROVIDED BY OWNER



GENERAL ROOM SIGN
ONE SIGN PER ROOM
VERBIAGE TO BE PROVIDED BY OWNER

RESTROOM SIGN
ONE SIGN PER ROOM
PROVIDE APPROPRIATE SIGNAGE
AT EACH TOILET ROOM

TYPICAL TOILET ROOM SIGNS

(b)
Display Conditions
International Symbol of Accessibility

MEN
HANDICAPPED

WOMEN
HANDICAPPED

ENTRANCE DOORS & OTHER DOORS IN SPACE

PROVIDE ENTRANCE DOOR AS 'A' ,AND 'B" FIG. 0. FROM ALL CORR. & LOBBIES
PROVIDE OTHER DOORS IN SPACE AS "A" AND 'B', FIG. 0. FROM ROOMS TO OTHER AREAS.

* INDICATE ADDITIONAL ITEMS, IF APPLICABLE TO THOSE DOORS. ALL DOORS SHALL HAVE CLEAR WIDTH AS SHOWN ON FIG. 24 & SILL HEIGHT LIMIT AS FIG. 7 SHOWN. DOOR HARDWARE SHALL BE NOTED ON FIG. 0.

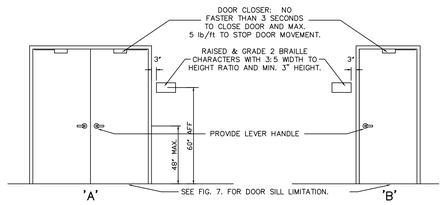
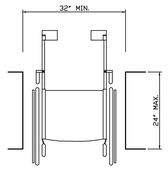


FIG. 0



(e) MAXIMUM DOORWAY DEPTH

FIG. 24
Clear Doorway Width and Depth

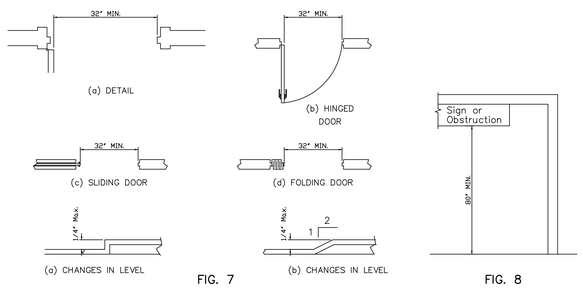
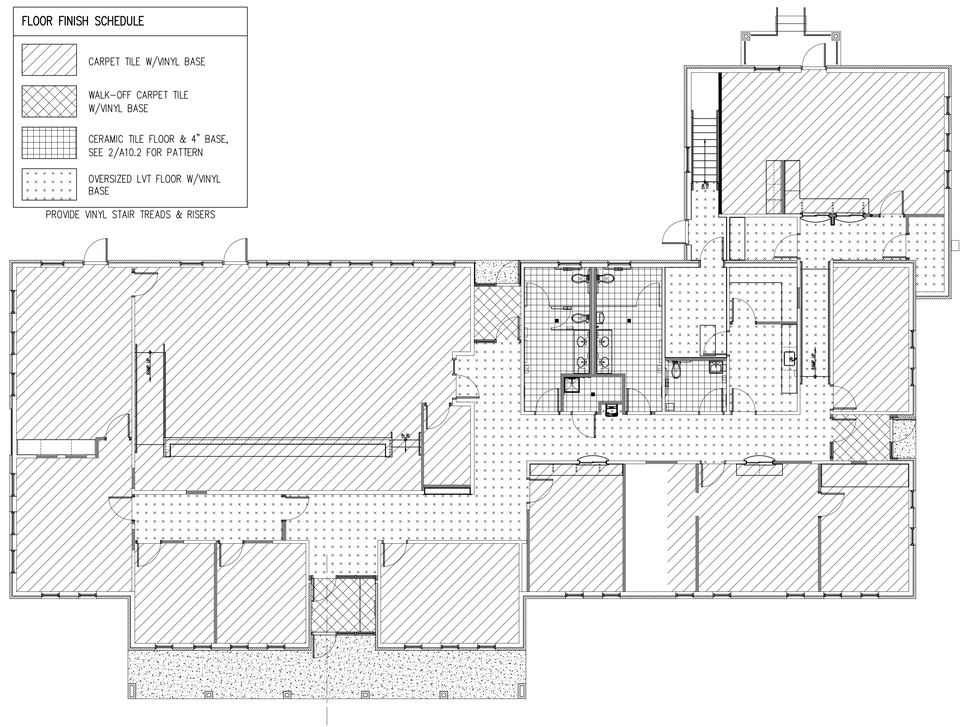


FIG. 7
Accessible Route

FIG. 8
Protruding Objects



1 A7.0 FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

ROOM FINISH SCHEDULE, PLAN AND NOTES
A6.0

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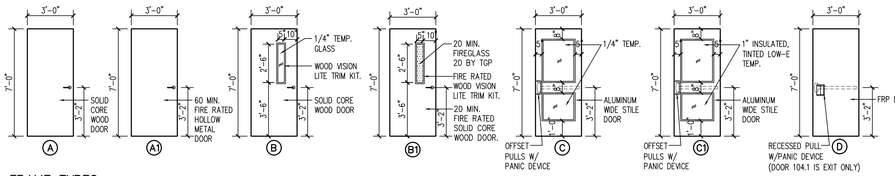
DOOR AND FRAME SCHEDULE

DOOR NUMBER	FROM ROOM NUMBER	TO ROOM NUMBER	ROOM NAME	DOOR: 1 3/4" THICK DOOR U.N.O. SIZE WIDTH	SIZE HEIGHT	MATERIAL	GAGE	GLASS TYPE	GLASS THICKNESS	GLASS SIZE	THRESHOLD	HARDWARE SET NO.	FRAME MATERIAL	FRAME GAGE	FRAME DEPTH	DETAILS SEE A7.0 & A7.1 TYPE	HEAD	JAMB	SILL	REMARKS: FIRE RATING LABEL (MIN.)	NEW SOLID CORE WOOD DOORS	NEW HOLLOW METAL FRAMES (SEE GENERAL NOTE #4)	NEW A.D.A. DOOR HARDWARE (SEE GENERAL NOTE #5)	NEW FIRE RATED HOLLOW METAL DOORS (SEE GENERAL NOTE #6)	ALL ALUMINUM SIDE LITE DOORS (SEE GENERAL NOTE #7)	NEW FRP DOORS (SEE GENERAL NOTE #8)	NEW ALUMINUM STOREFRONT FRAMES (SEE GENERAL NOTE #9)	PROVIDE LOCKDOWN SAFETY SHADES (SEE GENERAL NOTE #10)	NEW CARD READER ACCESS (SEE HARDWARE SCHEDULE)	ADA POWER DOOR OPENER (SEE HARDWARE SCHEDULE)
FIRST FLOOR																													
001	004	001	VESTIBULE	3'–0"	7'–0"	ALUM	–	C	TEMP	1/4"	FULL	ALUM	10A	ALUM	–	4 1/2"	SF1	11	12/13	16	–			✓		✓		✓		✓	✓
001.1	001	EXT.	VESTIBULE	3'–0"	7'–0"	ALUM	–	C1	TEMP	1"	FULL	ALUM	10B	ALUM	–	4 1/2"	SF1A	18	19/20	23	–			✓		✓		✓		✓	✓
002	004	002	VESTIBULE	3'–0"	7'–0"	ALUM	–	C	TEMP	1/4"	FULL	ALUM	10A	ALUM	–	4 1/2"	SF2	25	26/13	16	–			✓		✓		✓		✓	✓
002.1	002	EXT.	VESTIBULE	3'–0"	7'–0"	ALUM	–	C1	TEMP	1"	FULL	ALUM	10B	ALUM	–	4 1/2"	SF2A	28	29/20	23	–			✓		✓		✓		✓	✓
003	004	003	VESTIBULE	3'–0"	7'–0"	ALUM	–	C	TEMP	1/4"	FULL	ALUM	10A	ALUM	–	4 1/2"	SF3	31	32/13	16	–			✓		✓		✓		✓	✓
003.1	003	EXT.	VESTIBULE	3'–0"	7'–0"	ALUM	–	C1	TEMP	1"	FULL	ALUM	10B	ALUM	–	4 1/2"	SF3A	34	35/20	23	–			✓		✓		✓		✓	✓
005	005	004	CORRIDOR	3'–0"	7'–0"	SCWD	–	B	TEMP	1/4"	5x30	–	09	HM	16	8"	1	43	44	45	–			✓							
100	005	100	CMFO	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	05B	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
101	005	101	OFFICE	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	05B	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
102	005	102	BUSINESS ADMINISTRATOR	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	05C	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
102.1	102	103	BUSINESS ADMINISTRATOR	3'–0"	7'–0"	SCWD	–	B	TEMP	1/4"	5x30	–	05	HM	16	6"	1	1	2	3	–	✓	✓	✓						✓	✓
103	103	104	COUNCIL	3'–0"	7'–0"	SCWD	–	B	TEMP	1/4"	5x30	–	09	HM	16	6"	1	1	2	3	–	✓	✓	✓						✓	✓
103.1	103	EXT.	COUNCIL	3'–0"	7'–0"	FRP	–	D	–	–	–	ALUM	10	ALUM	–	4 1/2"	SF4	37	38	39	–			✓				✓	✓		✓	✓
104	104	004	MEETING ROOM	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	15	HM	16	7 1/4"	2	4	5	6	20	✓	✓	✓						✓	✓
104.1	104	EXT.	MEETING ROOM	3'–0"	7'–0"	FRP	–	D	–	–	–	ALUM	13	ALUM	–	4 1/2"	SF4	40	41	42	–			✓				✓	✓		✓	✓
104A	104	104A	STORAGE	3'–0"	7'–0"	SCWD	–	A	–	–	–	–	08	HM	16	6"	1	1	2	3	–	✓	✓	✓							
105	004	105	CONFERENCE ROOM	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	05B	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
106	004	106	MUNICIPAL CLERK	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	09B	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
107	004	107	PLANNING/ZONING CONSTR.	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	09C	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
107B	107	107B	CODE OFFICIAL	3'–0"	7'–0"	SCWD	–	B	TEMP	1/4"	5x30	–	05A	HM	16	6"	1	1	2	3	–	✓	✓	✓						✓	✓
108	004	108	TAX ASSESSOR	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	09C	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
109	004	109	KITCHENETTE	3'–0"	7'–0"	SCWD	–	A	–	–	–	–	09C	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
110	109	110	STORAGE	3'–0"	7'–0"	SCWD	–	A	–	–	–	–	01	HM	16	6"	1	1	2	3	–	✓	✓	✓							
111	109	111	UTILITY	3'–0"	7'–0"	SCWD	–	A	–	–	–	–	01	HM	16	6"	1	1	2	3	–	✓	✓	✓							
112	004	112	STAFF TOILET ROOM	3'–0"	7'–0"	SCWD	–	A	–	–	–	MARBLE	09D	HM	16	6"	1	1A	2A	3A	20	✓	✓	✓						✓	✓
113	004	113	MEN'S TOILET ROOM	3'–0"	7'–0"	SCWD	–	A	–	–	–	MARBLE	01A	HM	16	6"	1	1A	2A	3A	20	✓	✓	✓						✓	✓
114	004	114	WOMEN'S TOILET ROOM	3'–0"	7'–0"	SCWD	–	A	–	–	–	MARBLE	01A	HM	16	6"	1	1A	2A	3A	20	✓	✓	✓						✓	✓
115	115	004	CUSTODIAL	3'–0"	7'–0"	SCWD	–	A	–	–	–	MARBLE	08A	HM	16	6"	1	1	2	3A	20	✓	✓	✓							
116	116	EXT.	STAIR	3'–0"	7'–0"	FRP	–	D	–	–	–	ALUM	10	ALUM	–	4 1/2"	SF4	37	38	39	–			✓				✓	✓		✓	✓
116.1	111	116	STAIR	3'–0"	7'–0"	HM	16	A1	–	–	–	–	08B	HM	16	12 1/4"	1	7	8	9	60			✓			✓				
117	004	117	MAILROOM	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	09C	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
118	118	004	I.T.	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	09	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
119	004	119	TAX OFFICE	3'–0"	7'–0"	SCWD	–	B1	RATED	1/4"	5x30	–	09B	HM	16	6"	1	1	2	3	20	✓	✓	✓						✓	✓
119.1	119	EXT.	TAX OFFICE	3'–0"	7'–0"	FRP	–	D	–	–	–	ALUM	10	ALUM	–	4 1/2"	SF4	37	38	39	–			✓				✓	✓		✓	✓

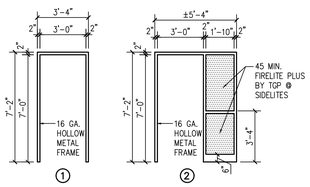
DOOR TYPES:

SCALE 1/4"=1'-0"



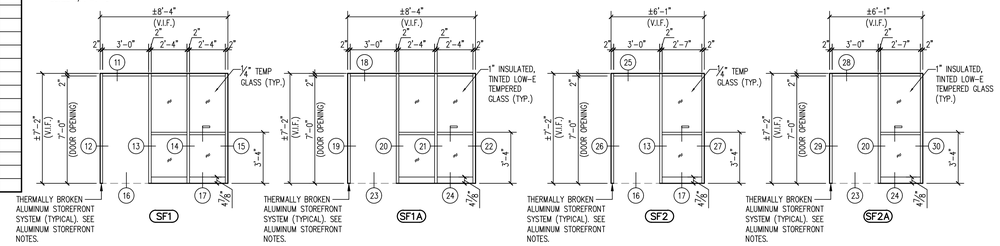
FRAME TYPES:

SCALE 1/4"=1'-0"



STOREFRONT TYPES:

SCALE 1/4"=1'-0"



GENERAL NOTES:

1. CUT VISION PANEL OPENING INTO NEW DOORS & INSTALL WOOD VISION LITE TRIM KIT TO MATCH DOOR. VERIFY TRIM KIT IS FOR CORRECT THICKNESS OF GLASS. TYPICAL FOR ALL DOORS W/VISION PANEL. SEE DETAIL 10/A7.1.
2. ALL GLAZING OPENINGS ON DOORS SHALL BE MIN. 5" TO ANY HARDWARE.
3. ALL NEW WOOD DOORS TO BE SOLID CORE WOOD, FINISH TO BE SELECTED BY OWNER.
4. ALL NEW HOLLOW METAL FRAMES SHALL BE PAINTED TO MATCH EXISTING FRAMES, COLOR TO BE SELECTED BY OWNER. PROVIDE WELDED FRAMES OR FIELD WELD KNOCK DOWN FRAMES.
5. ALL DOOR HARDWARE TO BE A.D.A. COMPLIANT WITH UCC BARRIER FREE CODE IN CONJUNCTION WITH ICC/ANSI A117.1–2017.
6. NEW FIRE RATED HOLLOW METAL DOORS SHALL BE PAINTED. COLOR TO BE SELECTED BY OWNER.
7. NEW ALUMINUM WIDE STILE DOORS. COLOR TO BE SELECTED BY OWNER.
8. NEW FRP (FIBERGLASS REINFORCED POLYMER) DOORS. COLOR TO BE SELECTED BY OWNER. (INTERIOR & EXTERIOR FACES ARE SEPARATE COLORS.).
9. NEW ALUMINUM STOREFRONT FRAMES. COLOR TO BE SELECTED BY OWNER.
10. PROVIDE LOCKDOWN SAFETY SHADES BY NIGHTLOCK DOOR SECURITY DEVICES OR APPROVED EQUAL, ON ALL DOORS WITH VISION PANEL. SIZE TO FIT EACH DOOR VISION PANEL, TYPICAL.
11. ALL DIMENSIONS OR SCALES SHOWN AS PLUS OR MINUS (±) ARE FOR INFORMATIONAL PURPOSES AND SHALL NOT BE TAKEN AS EXACT. CONTRACTOR SHALL FIELD VERIFY ALL OPENINGS.
12. MODIFY OR REFURBISH ADJACENT SURFACES DAMAGED OR DISTURBED DURING RENOVATION. PROVIDE ADDITIONAL TRIM TO COVER SIGNS OF RENOVATION, TYP.
13. ALL NEW INTERIOR DOORS SHOWN ON THE DOOR SCHEDULE SHALL RECEIVE NEW ROOM SIGNAGE. SEE ROOM FINISH SCHEDULE, TYPICAL.
14. PROVIDE NINE (9) INCH HIGH AND (0.5) INCH STROKE WIDTH WHITE REFLECTIVE VINYL SIGNAGE ON EVERY ENTRANCE DOOR INDICATING THE DOOR NUMBER. PLACE SIGNAGE AT THE TOP OF EVERY ENTRANCE.
15. ALL NOTES ON DETAILS REFER TO NEW MATERIALS UNLESS NOTED AS EXISTING.

ALUMINUM STOREFRONT NOTES:

1. STOREFRONT SHALL BE DESIGNED TO MEET IBC 2021 CODE REQUIREMENTS FOR WIND LOADS, SEE SPECIFICATIONS. CONTRACTOR TO SUBMIT SIGNED & SEALED, BY N.J. P.E., SHOP DRAWINGS, CALCULATIONS & FASTENING PATTERNS, TYP.
2. ALUMINUM STOREFRONT BASIS OF DESIGN IS SERIES 402/403 STOREFRONT SYSTEM BY EFCO CORP. OR APPROVED EQUAL. ALUMINUM CURTAIN WALL BASIS OF DESIGN IS SERIES 5600 CURTAIN WALL BY EFCO CORP. OR APPROVED EQUAL. (SEE SPECS.)
3. WHEN ALUMINUM SYSTEMS ARE IN DIRECT CONTACT WITH STEEL, USE NON–CORROSIVE SHIMS BETWEEN THE ALUMINUM SYSTEM & THE STEEL, TYP.
4. ALL EXPOSED STEEL LINTELS, BEAMS, ETC. SHALL BE PRIMED, BASE COAT & FINISH COAT PAINTED PER SPECIFICATIONS BEFORE THE NEW FRAMES ARE INSTALLED, TYPICAL.

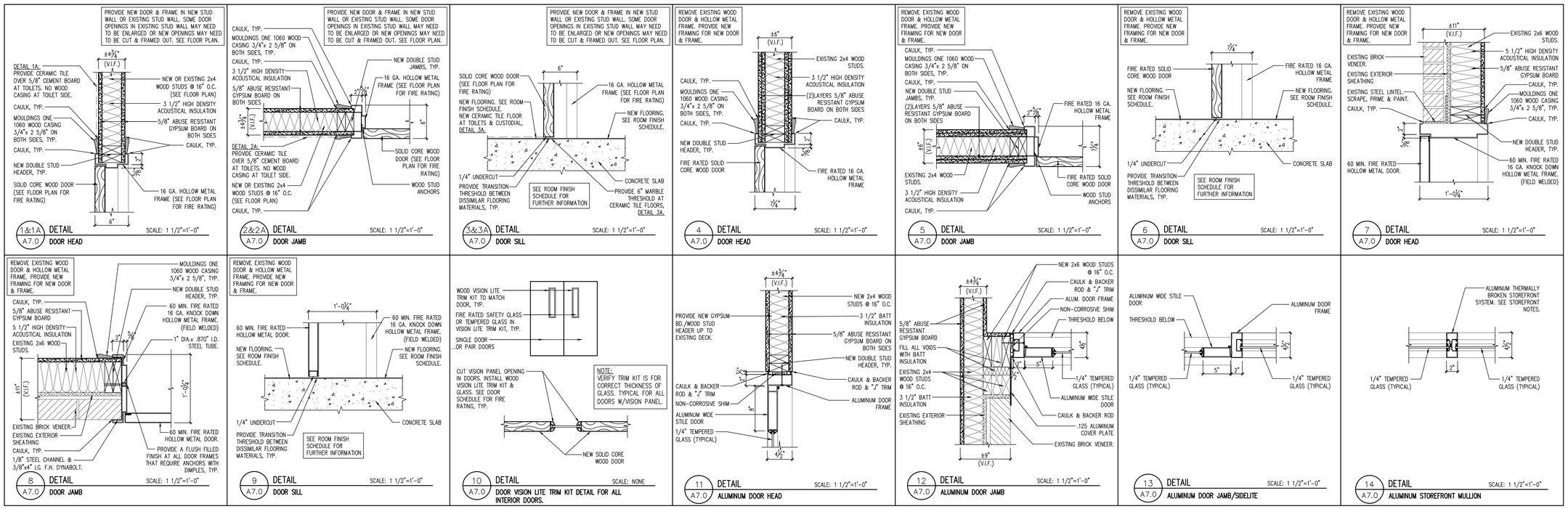
HARDWARE NOTES:

A. PROVIDE INSTALLATION OF PERMANENT CORES AND REMOVAL OF TEMPORARY CORES. PROVIDE A CERTIFIED ARCHITECTURAL HARDWARE CONSULTANT (CAHC) INSPECTION TWO WEEKS AFTER OWNER OCCUPANCY, SIX MONTHS AFTER OWNER OCCUPANCY AND ONE YEAR AFTER OWNER OCCUPANCY.

B. ALL DOOR FRAMES SHALL BE PREPARED FOR SPECIFIED HARDWARE AND REINFORCED WHERE REQUIRED, TYPICAL.

C. MATCH OWNER'S STANDARD FOR HARDWARE, TYPICAL.

D. PRIOR TO CONSTRUCTION, PROVIDE HARDWARE SUBMITTAL FOR ALL DOORS, TYPICAL.



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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS		
MRK	DATE	DESCRIPTION

Project No. 26–42
Date: 10–1–26
Scale: DO NOT SCALE

DOOR & FRAME SCHEDULE & DETAILS
A7.0

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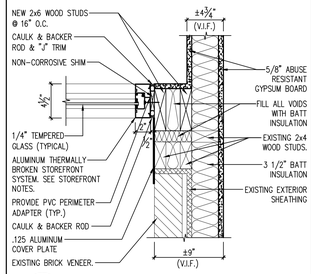
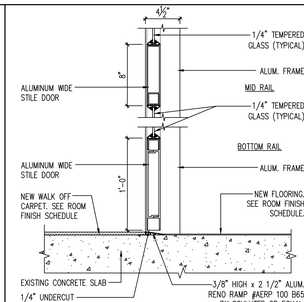
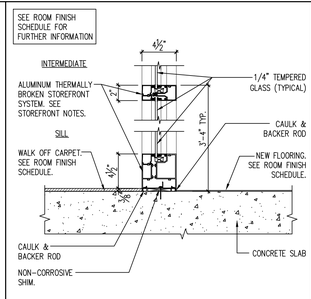


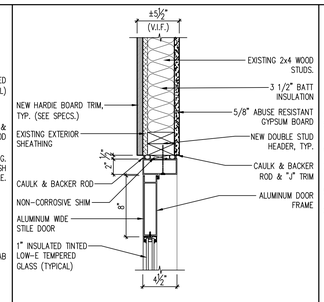
15 A7.1 DETAIL — ALUMINUM STOREFRONT JAMB — SCALE: 1 1/2"=1'-0"



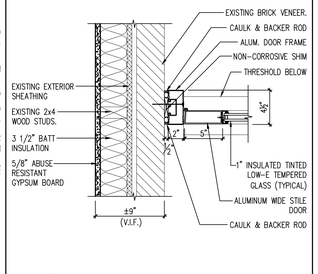
16 A7.1 DETAIL — ALUMINUM DOOR SILL — SCALE: 1 1/2"=1'-0"



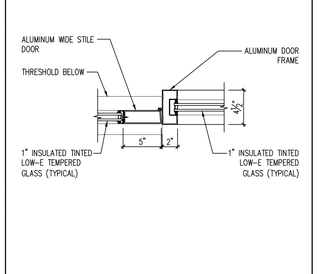
17 A7.1 DETAIL — ALUMINUM STOREFRONT INTERMEDIATE/SILL — SCALE: 1 1/2"=1'-0"



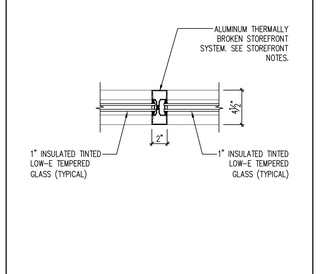
18 A7.1 DETAIL — ALUMINUM DOOR HEAD — SCALE: 1 1/2"=1'-0"



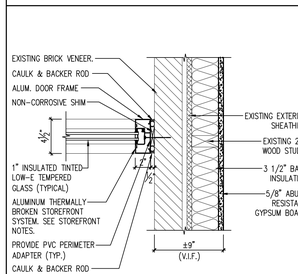
19 A7.1 DETAIL — ALUMINUM DOOR JAMB — SCALE: 1 1/2"=1'-0"



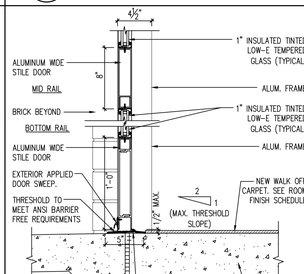
20 A7.1 DETAIL — ALUMINUM DOOR JAMB/SIDELITE — SCALE: 1 1/2"=1'-0"



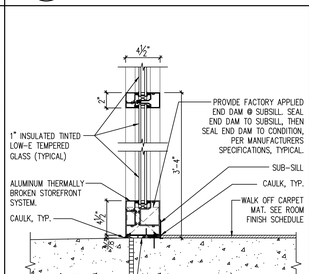
21 A7.1 DETAIL — ALUMINUM STOREFRONT MULLION — SCALE: 1 1/2"=1'-0"



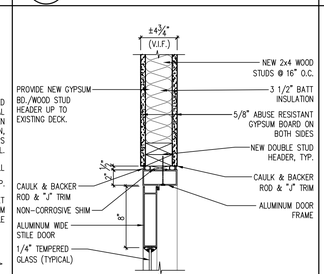
22 A7.1 DETAIL — ALUMINUM STOREFRONT JAMB — SCALE: 1 1/2"=1'-0"



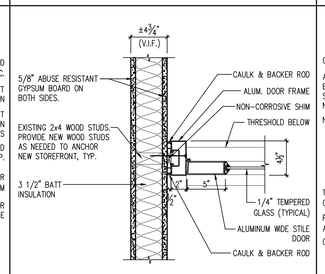
23 A7.1 DETAIL — ALUMINUM DOOR SILL — SCALE: 1 1/2"=1'-0"



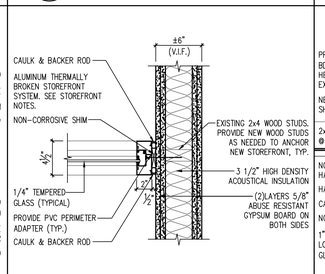
24 A7.1 DETAIL — ALUMINUM STOREFRONT INTERMEDIATE/SILL — SCALE: 1 1/2"=1'-0"



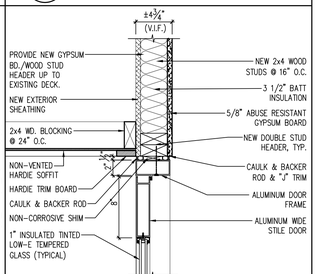
25 A7.1 DETAIL — ALUMINUM DOOR HEAD — SCALE: 1 1/2"=1'-0"



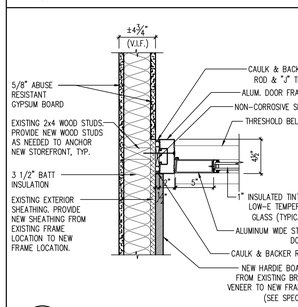
26 A7.1 DETAIL — ALUMINUM DOOR JAMB — SCALE: 1 1/2"=1'-0"



27 A7.1 DETAIL — ALUMINUM STOREFRONT JAMB — SCALE: 1 1/2"=1'-0"



28 A7.1 DETAIL — ALUMINUM DOOR HEAD — SCALE: 1 1/2"=1'-0"



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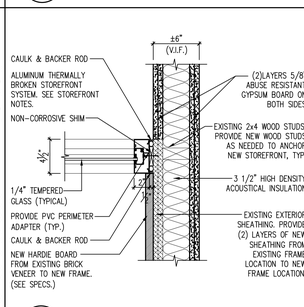
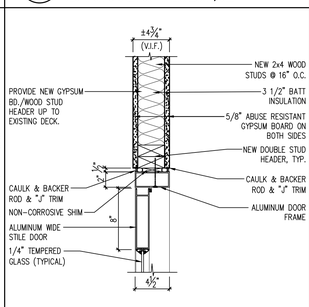
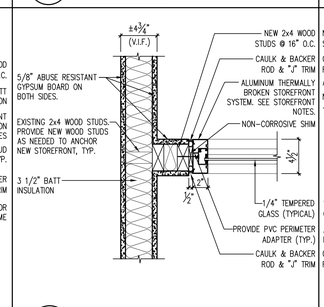


30 A7.1 DETAIL — ALUMINUM STOREFRONT JAMB — SCALE: 1 1/2"=1'-0"



31 A7.1 DETAIL — ALUMINUM DOOR HEAD — SCALE: 1 1/2"=1'-0"



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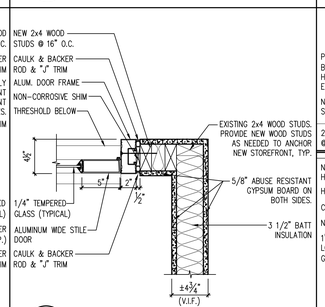
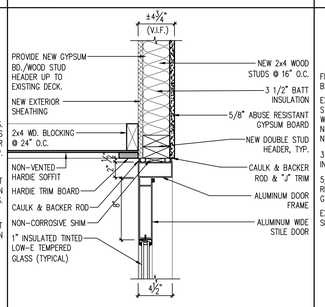
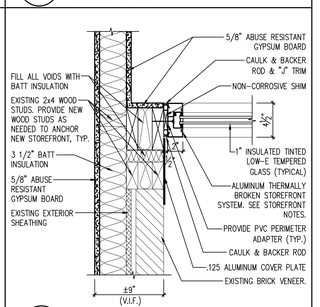


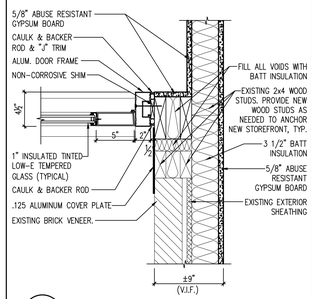
33 A7.1 DETAIL — ALUMINUM DOOR JAMB — SCALE: 1 1/2"=1'-0"



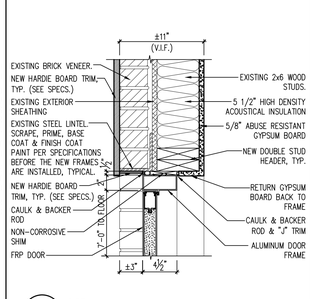
34 A7.1 DETAIL — ALUMINUM DOOR HEAD — SCALE: 1 1/2"=1'-0"



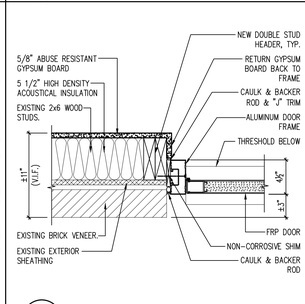
35 A7.1 DETAIL — ALUMINUM STOREFRONT JAMB — SCALE: 1 1/2"=1'-0"



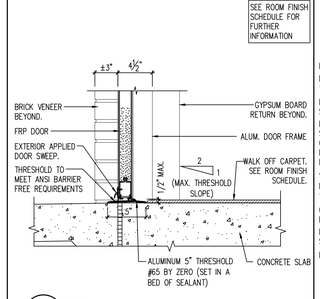
36 A7.1 DETAIL — ALUMINUM DOOR JAMB — SCALE: 1 1/2"=1'-0"



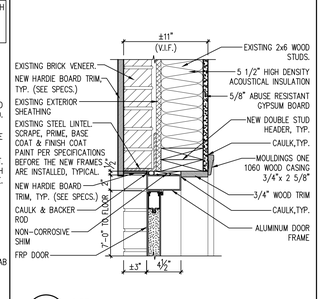
37 A7.1 DETAIL — FRP DOOR HEAD — SCALE: 1 1/2"=1'-0"



38 A7.1 DETAIL — FRP DOOR JAMB — SCALE: 1 1/2"=1'-0"



39 A7.1 DETAIL — FRP DOOR SILL — SCALE: 1 1/2"=1'-0"



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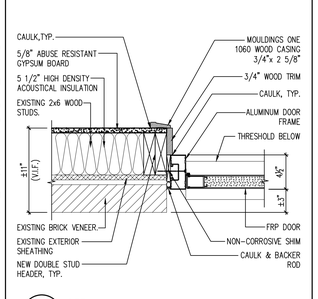

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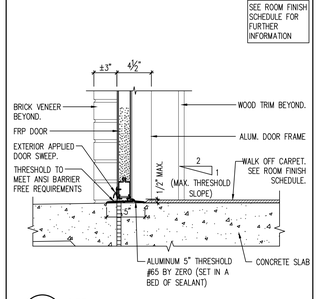
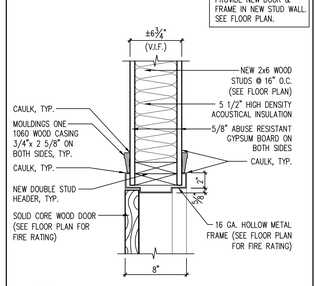
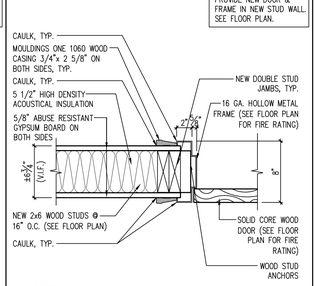


42 A7.1 DETAIL — FRP DOOR SILL — SCALE: 1 1/2"=1'-0"



43 A7.1 DETAIL — DOOR HEAD — SCALE: 1 1/2"=1'-0"



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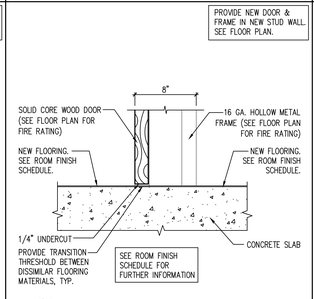

45 A7.1 DETAIL — DOOR SILL — SCALE: 1 1/2"=1'-0"

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

DOOR & FRAME DETAILS I

A7.1

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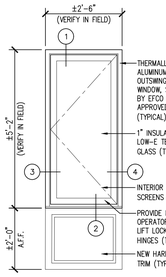
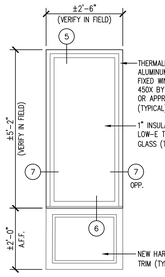
EXTERIOR WINDOW TYPES:

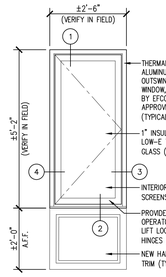
SCALE: 1/2"=1'-0"



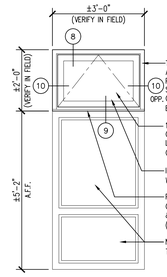
W1 WINDOW TYPE
SCALE: 1/2"=1'-0"
OUTSWING CASEMENT
LEFT HINGE



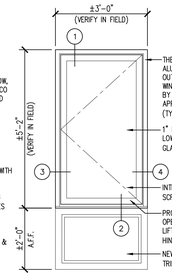
W1A WINDOW TYPE
SCALE: 1/2"=1'-0"
FIXED



W1B WINDOW TYPE
SCALE: 1/2"=1'-0"
OUTSWING CASEMENT
RIGHT HINGE



W2 WINDOW TYPE
SCALE: 1/2"=1'-0"
PROJECT OUT
(OBSCURED GLASS)



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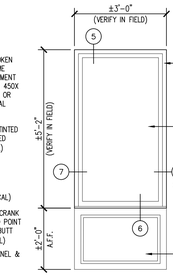
SCALE: 1/2"=1'-0"
OUTSWING CASEMENT
LEFT HINGE



W3A WINDOW TYPE
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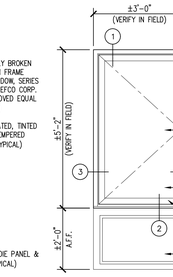
FIXED



W3B WINDOW TYPE
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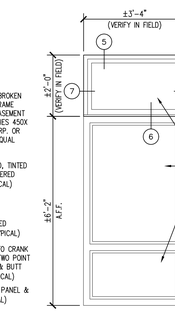
OUTSWING CASEMENT
RIGHT HINGE



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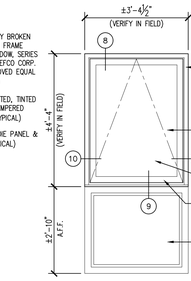
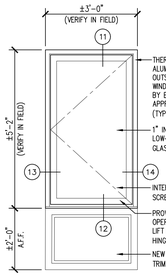
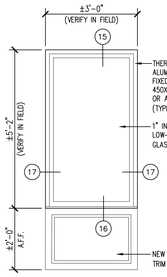
FIXED



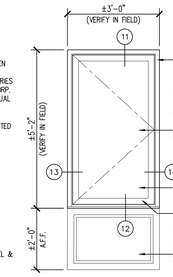
W5 WINDOW TYPE
SCALE: 1/2"=1'-0"
PROJECT OUT



W6 WINDOW TYPE
SCALE: 1/2"=1'-0"
OUTSWING CASEMENT
LEFT HINGE



W6A WINDOW TYPE
SCALE: 1/2"=1'-0"
FIXED



W6B WINDOW TYPE
SCALE: 1/2"=1'-0"
OUTSWING CASEMENT
RIGHT HINGE

GENERAL SCOPE OF WORK:

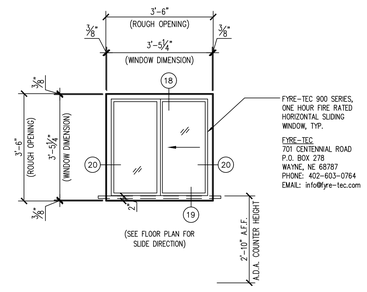
1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WINDOWS, GLAZING, ASSOCIATED HARDWARE, TRIM AND ACCESSORIES COMPLETELY.
2. INSTALL WINDOWS AND ACCESSORIES AS SPECIFIED AND INDICATED ON CONTRACT DOCUMENTS.
   A. PROVIDE AND INSTALL ADDITIONAL WOOD BLOCKING, WRAPPED WITH HENRY BUTYL FLASH, TO PROPERLY ANCHOR NEW WINDOW SYSTEM. DO NOT USE PRESSURE TREATED WOOD BLOCKING.
   B. PROVIDE & INSTALL ADDITIONAL TRIM/CLOSURES TO COVER SIGNS OF RENOVATION.
   C. MODIFY OR REFURBISH ADJACENT SURFACES DAMAGED OR DISTURBED DURING RENOVATION.
3. PROVIDE (2) CAM HANDLES PER SASH AT ALL WINDOWS THAT ARE 3'-6" WIDE OR LARGER.
4. WORK SEQUENCE: WINDOW REPLACEMENT MUST OCCUR ON AN "OPENING BY OPENING" BASIS. WINDOWS AT EACH OPENING MUST BE COMPLETE, INCLUDING TRIM AND SEALANT PRIOR TO REMOVING EXISTING WINDOWS AT THE NEXT OPENING. THE SEQUENCE OF WORK MUST BE INCLUDED IN THE PROJECT SCHEDULE PROPOSED BY THE CONTRACTOR & SUBMITTED TO OWNER & ARCHITECT FOR APPROVAL
5. ALL CAULKING SHOULD BE SILICONE SEALANT. (SEE SPECIFICATIONS)
6. PROVIDE A LIMIT DEVICE FOR ALL OPERABLE WINDOWS. (COORDINATE WITH OWNER)
7. <u>WINDOWS WHERE OPERATING HARDWARE IS 5'-0" A.F.F OR HIGHER:</u> PROVIDE POLE-RING LOCKING HARDWARE & POLES TO OPERATE SASH. IF WINDOWS HAVE INTERNAL BLINDS, PROVIDE POLE-RING BLIND KNOB OPERATOR & SEPARATE SWIVEL POLES TO OPERATE INTERNAL BLINDS, TYPICAL.
8. NEW PROJECT IN VENTS MUST OPEN TO FULLEST EXTENT. CONTRACTOR SHALL FIELD VERIFY ANY OBSTRUCTION THAT MAY CAUSE VENTS NOT TO FULLY OPEN & COMPENSATE FOR THE OBSTRUCTION WITH JAMB EXTENDERS. (TYPICAL)
9. IF NEW INTERIOR STOOLS ARE PROVIDED, CONTRACTOR MUST PROVIDE NEW WOOD BLOCKING FOR STOOLS TO BE SET UPON FOR PROPER ANCHORING & INSTALLATION.
10. ALL EXISTING EXPOSED STEEL LINTELS, BEAMS, ETC. SHALL BE SCRAPED, PRIMED, BASE COAT & FINISH COAT PAINTED PER SPECIFICATIONS BEFORE THE NEW WINDOW IS INSTALLED. IF STEEL LINTELS ARE RUSTED OR DAMAGED BEYOND REPAIR THEN THEY MUST BE REPLACED, TYP.
11. PROVIDE NINE (9) INCH HIGH AND (0.5) INCH STROKE WIDTH WHITE REFLECTIVE VINYL WINDOW SIGNAGE ON EVERY WINDOW INDICATING THE ROOM NUMBER. PLACE THE SIGNAGE IN THE UPPER RIGHT HAND CORNER OF THE WINDOW AS VIEWED FROM THE EXTERIOR. THE SIGNAGE SHALL BE ON THE INTERIOR SIDE OF THE WINDOW, TYPICAL.
12. PROVIDE NEW INTERIOR WINDOW SHADES AT ALL WINDOWS, ONE SHADE PER WINDOW, TYPICAL. SEE SPECIFICATIONS.

GENERAL NOTES:

1. WINDOWS SHALL BE DESIGNED TO MEET IBC 2021 CODE REQUIREMENTS FOR WIND LOADS, SEE SPECIFICATIONS. CONTRACTOR TO SUBMIT SIGNED & SEALED, BY N.J. P.E., SHOP DRAWINGS, CALCULATIONS & FASTENER TYPES & PATTERNS, TYPICAL.
2. CONTRACTOR SHALL VISIT THE SITE AND BUILDING TO DETERMINE ACTUAL CONDITIONS AND QUANTITIES OF MATERIALS AND EXISTING ITEMS. NO COMPENSATION WILL BE ALLOWED FOR FAILURE TO DETERMINE ACTUAL FIELD CONDITIONS.
3. CONTRACTOR SHALL VERIFY THE CONDITION OF ALL ITEMS WITHIN WORK AREA, AND NOTIFY OWNER OF ANY DAMAGE OR INOPERABLE ITEMS PRIOR TO COMMENCEMENT OR DEMOLITION AND/OR ALTERATION WORK.
4. ALL NOTES ON DETAILS REFER TO NEW MATERIALS UNLESS NOTED AS EXISTING.
5. CONTRACTOR SHALL REFURBISH OR REPLACE ANY DAMAGED OR DISTURBED ADJACENT SURFACES AT NO ADDITIONAL EXPENSE TO THE OWNER.
6. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH OWNER.
7. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS CREATED BY HIS WORK FROM THE SITE AT CONTRACTOR'S EXPENSE.
8. DIMENSIONS OR SCALES SHOWN AS PLUS OR MINUS (±) ARE FOR INFORMATIONAL PURPOSES AND SHALL NOT BE TAKEN AS EXACT. CONTRACTOR SHALL FIELD VERIFY ALL OPENINGS & QUANTITIES.
9. ALL TOILET ROOMS, LOCKER ROOMS OR PRIVATE AREAS SHALL HAVE OBSCURED GLAZING IN WINDOWS THAT FACE THE EXTERIOR, TYPICAL.

INTERIOR WINDOW TYPES:

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



TW1 WINDOW TYPE
SCALE: 1/2"=1'-0"
ONE HOUR FIRE RATED HORIZONTAL
SLIDING TRANSACTION WINDOW

NEW WINDOW SCOPE OF WORK:

1. CUT NEW WINDOW OPENING IN EXISTING STUD WALL AND PREPARE OPENING FOR NEW TRANSACTION WINDOW. PROVIDE NEW FRAMING/BLOCKING TO ANCHOR NEW WINDOW, TYPICAL.
2. PROVIDE NEW ONE HOUR FIRE RATED HORIZONTAL SLIDING TRANSACTION WINDOW SERIES 900 AS MANUFACTURED BY FYRE-TEC OR APPROVED EQUAL.
3. CONTRACTOR SHALL VISIT THE SITE AND BUILDING TO DETERMINE ACTUAL FIELD CONDITIONS, ALL DIMENSIONS AND QUANTITIES OF MATERIALS. NO COMPENSATION WILL BE ALLOWED FOR FAILURE TO DETERMINE ACTUAL FIELD CONDITIONS.
4. ALL MATERIALS SHOWN IN WINDOW DETAILS NOT INDICATED TO BE EXISTING ARE TO BE PROVIDED AS NEW.
5. ALL CAULKING SHOULD BE PAINTABLE SILICONE SEALANT. (SEE SPECIFICATIONS)
6. PROVIDE NEW BLACKOUT SHADES.

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

WINDOW TYPES

A8.0

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ISSUED FOR BID: 10-1-2026

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
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REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

AB.1
WINDOW DETAILS

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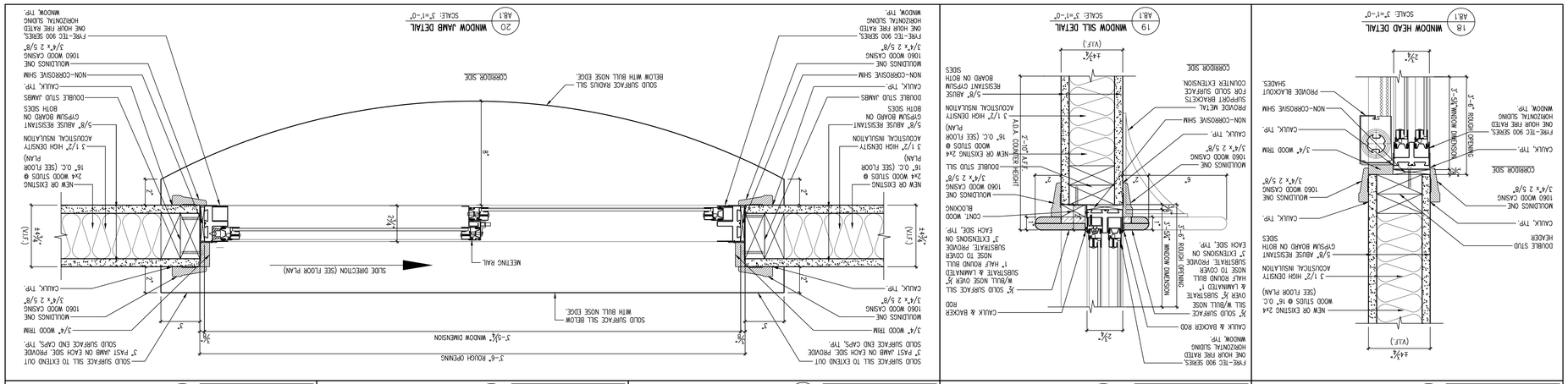
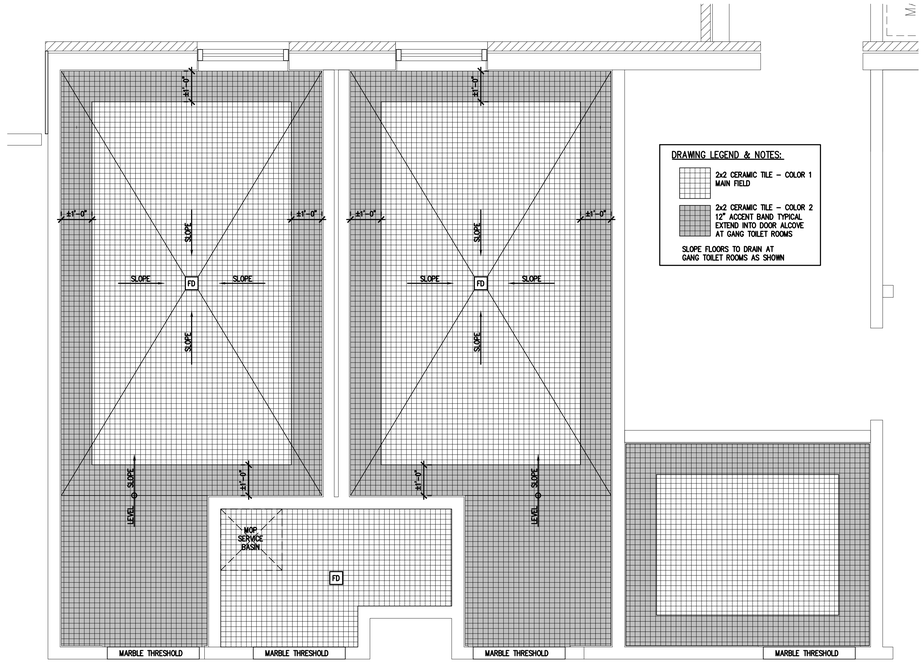
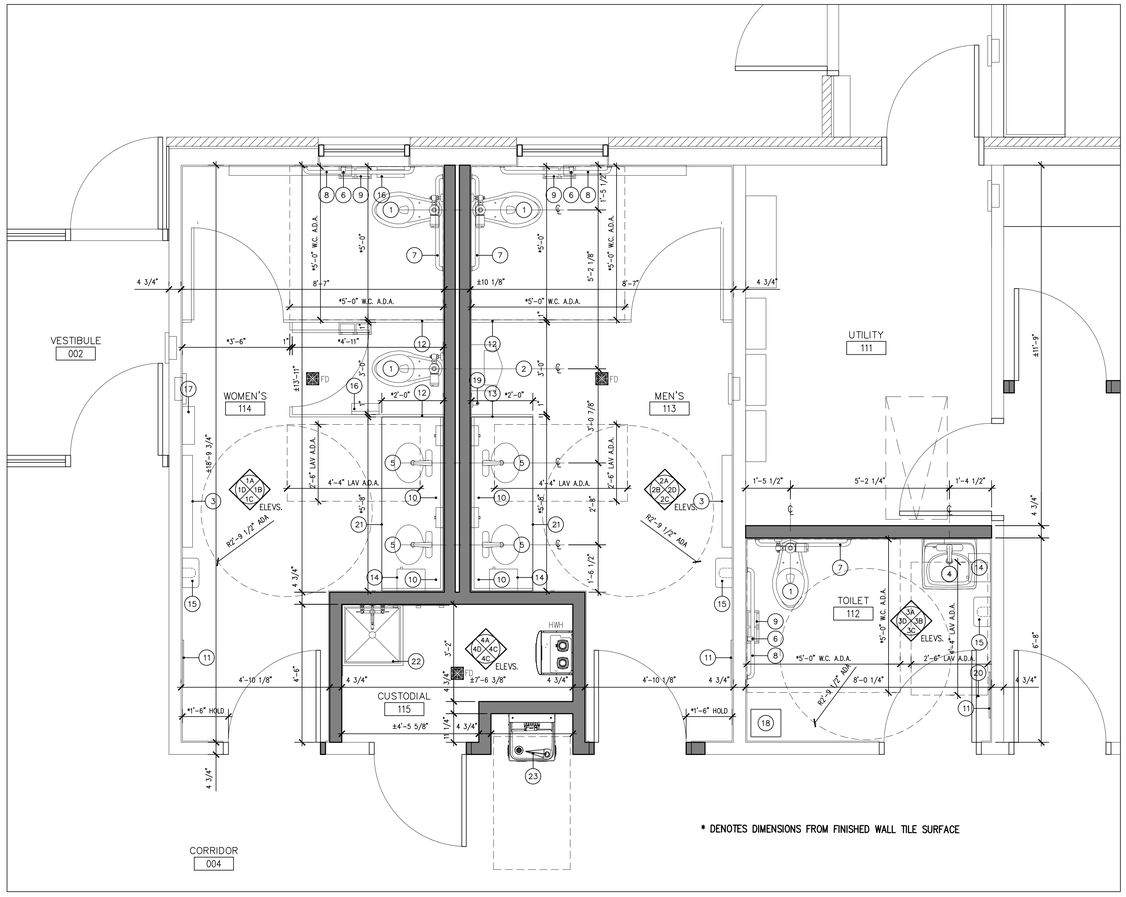

SLOPE DIRECTION (SEE FLOOR PLAN)
MEETING RAIL
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
3'-6" ROUGH OPENING
3'-5 1/2" WINDOW DIMENSION
CORRIDOR SIDE
SOLID SURFACE RADIUS SIL BELOW WITH BULL NOSE EDGE.
1 1/2" HIGH DENSITY ACOUSTICAL INSULATION
5/8" ABUSE RESISTANT CYPSUM BOARD ON BOTH SIDES
NEW OR EXISTING 2x4 WOOD STUDS @ 16" O.C. (SEE FLOOR PLAN)
DOUBLE STUD JAMBS
NON-CORROSIVE SHIM
CAULK, TYP.
FREE-TEC 900 SERIES, ONE HOUR FIRE RATED HORIZONTAL SIDING
WINDOW, TYP.
3/4" WOOD TRIM
MOULDINGS ONE 1060 WOOD CASING
3/4"x 2 5/8"
CAULK & BACKER ROD
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
(VERIFY IN FIELD)
CAULK, TYP.
MOULDINGS ONE 1060 WOOD CASING
3/4"x 2 5/8"
3/4" WOOD TRIM
NEW OR EXISTING 2x4 WOOD STUDS @ 16" O.C. (SEE FLOOR PLAN)
1 1/2" HIGH DENSITY ACOUSTICAL INSULATION
5/8" ABUSE RESISTANT CYPSUM BOARD ON BOTH SIDES
DOUBLE STUD JAMBS
NON-CORROSIVE SHIM
CAULK, TYP.
FREE-TEC 900 SERIES, ONE HOUR FIRE RATED HORIZONTAL SIDING
WINDOW, TYP.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
18 A8.1 WINDOW HEAD DETAIL SCALE: 3"=1'-0"
CAULK, TYP.
3/4" WOOD TRIM
CAULK, TYP.
MOULDINGS ONE 1060 WOOD CASING
3/4"x 2 5/8"
CAULK, TYP.
5/8" ABUSE RESISTANT CYPSUM BOARD ON BOTH SIDES
1 1/2" HIGH DENSITY ACOUSTICAL INSULATION
NEW OR EXISTING 2x4 WOOD STUDS @ 16" O.C. (SEE FLOOR PLAN)
DOUBLE STUD JAMBS
NON-CORROSIVE SHIM
CAULK, TYP.
FREE-TEC 900 SERIES, ONE HOUR FIRE RATED HORIZONTAL SIDING
WINDOW, TYP.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
19 A8.1 WINDOW SILL DETAIL SCALE: 3"=1'-0"
(VERIFY)
4 1/4"
CORRIDOR SIDE
1 1/2" HIGH DENSITY ACOUSTICAL INSULATION
5/8" ABUSE RESISTANT CYPSUM BOARD ON BOTH SIDES
NEW OR EXISTING 2x4 WOOD STUDS @ 16" O.C. (SEE FLOOR PLAN)
DOUBLE STUD JAMBS
NON-CORROSIVE SHIM
CAULK, TYP.
FREE-TEC 900 SERIES, ONE HOUR FIRE RATED HORIZONTAL SIDING
WINDOW, TYP.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
20 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
CAULK & BACKER ROD
3/4" WOOD TRIM
MOULDINGS ONE 1060 WOOD CASING
3/4"x 2 5/8"
CAULK, TYP.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE RADIUS SIL BELOW WITH BULL NOSE EDGE.
(VERIFY IN FIELD)
CAULK, TYP.
MOULDINGS ONE 1060 WOOD CASING
3/4"x 2 5/8"
3/4" WOOD TRIM
NEW OR EXISTING 2x4 WOOD STUDS @ 16" O.C. (SEE FLOOR PLAN)
1 1/2" HIGH DENSITY ACOUSTICAL INSULATION
5/8" ABUSE RESISTANT CYPSUM BOARD ON BOTH SIDES
DOUBLE STUD JAMBS
NON-CORROSIVE SHIM
CAULK, TYP.
FREE-TEC 900 SERIES, ONE HOUR FIRE RATED HORIZONTAL SIDING
WINDOW, TYP.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
1 A8.1 WINDOW HEAD DETAIL SCALE: 3"=1'-0"
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
2 1/2" PAST JAMB ON EACH SIDE OF WINDOW. TYP.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
2 A8.1 WINDOW SILL DETAIL SCALE: 3"=1'-0"
NOTE: PROVIDE NEW WOOD FRAMING, BLOCKING & SHEATHING AT WINDOWS WITH RAISED SILLS. TYP.
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
3 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
CAULK & BACKER ROD
NON-CORROSIVE SHIM
ALUM. SUB-FRAME
TO FILL AIR SPACE.
PROVIDE BACKER ROD
EXISTING 2x6 WOOD STUDS TO REMAIN
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
BUTT HINGES
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
NON-CORROSIVE SHIM
CAULK & BACKER ROD
4 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
5 A8.1 WINDOW HEAD DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
6 A8.1 WINDOW SILL DETAIL SCALE: 3"=1'-0"
NOTE: PROVIDE NEW WOOD FRAMING, BLOCKING & SHEATHING AT WINDOWS WITH RAISED SILLS. TYP.
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
7 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
CAULK & BACKER ROD
NON-CORROSIVE SHIM
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
TO FILL AIR SPACE.
PROVIDE BACKER ROD
EXISTING 2x6 WOOD STUDS TO REMAIN
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
BUTT HINGES
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
NON-CORROSIVE SHIM
CAULK & BACKER ROD
8 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
9 A8.1 WINDOW SILL DETAIL SCALE: 3"=1'-0"
NOTE: PROVIDE NEW WOOD FRAMING, BLOCKING & SHEATHING AT WINDOWS WITH RAISED SILLS. TYP.
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
10 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
CAULK & BACKER ROD
NON-CORROSIVE SHIM
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
TO FILL AIR SPACE.
PROVIDE BACKER ROD
EXISTING 2x6 WOOD STUDS TO REMAIN
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
BUTT HINGES
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
NON-CORROSIVE SHIM
CAULK & BACKER ROD
11 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
12 A8.1 WINDOW SILL DETAIL SCALE: 3"=1'-0"
NOTE: PROVIDE NEW WOOD FRAMING, BLOCKING & SHEATHING AT WINDOWS WITH RAISED SILLS. TYP.
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
13 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
CAULK & BACKER ROD
NON-CORROSIVE SHIM
ALUMINUM SUB-FRAME
TO FILL AIR SPACE.
PROVIDE BACKER ROD
EXISTING 2x6 WOOD STUDS TO REMAIN
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
BUTT HINGES
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
NON-CORROSIVE SHIM
CAULK & BACKER ROD
14 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
15 A8.1 WINDOW SILL DETAIL SCALE: 3"=1'-0"
NOTE: PROVIDE NEW WOOD FRAMING, BLOCKING & SHEATHING AT WINDOWS WITH RAISED SILLS. TYP.
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
16 A8.1 WINDOW SILL DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
(VERIFY IN FIELD)
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
EXISTING 2x6 WOOD STUDS TO REMAIN
NEW BATT INSULATION
5/8" ABUSE RESISTANT GYPSUM BOARD BACK TO WINDOW.
SOLID SURFACE SILL BELOW WITH BULL NOSE EDGE.
SOLID SURFACE SILL TO EXTEND OUT 3" PAST JAMB ON EACH SIDE. PROVIDE SOLID SURFACE END CAPS. TYP.
17 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)
CAULK & BACKER ROD
NON-CORROSIVE SHIM
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
TO FILL AIR SPACE.
PROVIDE BACKER ROD
EXISTING 2x6 WOOD STUDS TO REMAIN
EXISTING BRICK VENEER
EXISTING EXTERIOR SHEATHING TO REMAIN
1" INSULATED, TINTED LOW-E TEMPERED GLASS (TYP.)
BUTT HINGES
ALUM. SILL BELOW.
ALUMINUM SUB-FRAME
NON-CORROSIVE SHIM
CAULK & BACKER ROD
18 A8.1 WINDOW JAMB DETAIL SCALE: 3"=1'-0"
EXISTING CONSTRUCTION IS CONCEALED. FIELD VERIFY EXISTING CONSTRUCTION & PROVIDE NEW WOOD BLOCKING OR FRAMING TO ANCHOR NEW WINDOW SYSTEM & TRIM (TYP.)



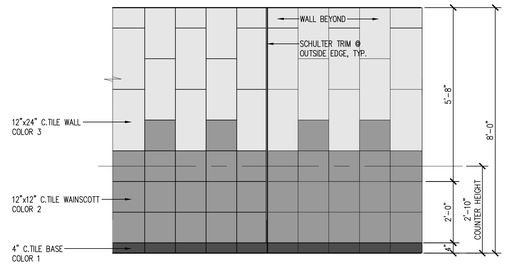
2 A9.0 TOILET ROOM FLOOR FINISH PLANS

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



1 A9.0 ENLARGED TOILET ROOM PLANS

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



TYPICAL WALL TILE

GENERAL NOTES:
1. PROVIDE COLORED SEALANT AT ALL INSIDE CORNERS. SEALANT TO MATCH GROUT COLOR(S).
2. PROVIDE SCHULTER TRIM AT ALL OUTSIDE CORNERS.

3 A9.0 TOILET ROOM WALL TILE PATTERN

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

ALL PLUMBING FIXTURES & ACCESSORIES TO MEET CABO/ANSI BARRIER FREE CODE. ALL PLUMBING FIXTURES SUPPLIED & INSTALLED BY PLUMBING CONTRACTOR. REINFORCE TOILET PARTITION BETWEEN HANDICAP STALL & REGULAR STALL TOE CLEARANCE OF TOILET PARTITION TO BE 12" A.F.F. (TYP.) ALL GANG TOILET ROOM & CUSTODIAL CLOSET TO HAVE FLOOR DRAIN. PROVIDE BLOCKING FOR ACCESSORIES IN ALL STUD WALLS.

ALL PLANS, DETAILS, SECTIONS, SCHEDULES & ELEVATIONS SHOWN ON THIS DRAWING ARE TO BE COMPLETED BY THE GENERAL CONTRACTOR. UNLESS IT IS INDICATED BY OTHER TRADES, WHICH ARE TO BE COMPLETED BY THAT DESIGNATED TRADE.

ELEVS. FOR INTERIOR ELEVATIONS SEE DRAWING A9.1

MATERIAL LIST:

- (A) 2x2 CERAMIC TILE FLOORING & BASE. SEE 2/A10.2 FOR SIZE & PATTERN
- (B) CERAMIC WALL TILE. SEE 2/A10.2 FOR SIZE & PATTERN
- (C) LAY-IN CEILING TILE (SEE SPECS.)
- (D) NEW DOOR (SEE DOOR SCHEDULE FOR FRAME REQUIREMENTS)
- (E) PAINTED GYPSUM BOARD
- (F) FRP WALL PANEL

FIXTURE/ACCESSORY LIST:

1. ELONGATED FLUSH VALVE WALL HUNG TOILET
2. HANDICAPPED WALL HUNG URINAL
3. **BABY CHANGING STATION. ASI MODEL #9012 OR EQUAL. SEE 5/A9.0 FOR DETAILS**
4. WALL HUNG LAVATORY w/ACCESSIBLE LEVER HANDLE FAUCET. PROVIDE LAV. SHIELD TRUEBRO, INC. MODEL#2018-AS-L1 OR EQUAL
5. UNDERMOUNT STAINLESS STEEL SINK w/ACCESSIBLE LEVER HANDLE FAUCET
6. STAINLESS STEEL VERTICAL GRAB BAR 18"x1 1/2" DIA. w/SATIN FINISH. BOBRICK 'B-6806x18' OR EQUAL
7. STAINLESS STEEL HORIZONTAL GRAB BAR 36"x1 1/2" DIA. w/SATIN FINISH. BOBRICK 'B-6806x36' OR EQUAL
8. STAINLESS STEEL HORIZONTAL GRAB BAR 42"x1 1/2" DIA. w/SATIN FINISH. BOBRICK 'B-6806x42' OR EQUAL
9. TOILET TISSUE DISPENSER. SUPPLIED BY OWNER, INSTALLED BY G.C.
10. TOUCH-FREE HAND SOAP DISPENSER. SUPPLIED BY OWNER, INSTALLED BY G.C.
11. 24"x60" MIRROR w/STAINLESS STEEL FRAME & TEMPERED GLASS. BOBRICK 'B-1658 2460' OR EQUAL
12. PLASTIC FLOOR MOUNTED, OVERHEAD BRACED TOILET PARTITION. (BY ASI GLOBAL OR APPROVED EQUAL)
13. PLASTIC FLOOR AND WALL MOUNTED URINAL (BY ASI GLOBAL OR APPROVED EQUAL)
14. PAPER TOWEL DISPENSER. SUPPLIED BY OWNER, INSTALLED BY G.C.
15. ELECTRIC HAND DRYER – XLERATOR W/NOISE REDUCTION NOZZLE
16. SURFACE MOUNTED SANITARY NAPKIN DISPOSAL. SUPPLIED BY OWNER, INSTALLED BY G.C.
17. SURFACE MOUNTED NAPKIN/TAMPON VENDOR SUPPLIED BY OWNER, INSTALLED BY G.C.
18. WASTE RECEPTACLE. SUPPLIED BY OWNER, INSTALLED BY G.C.
19. STAINLESS STEEL VERTICAL GRAB BAR 24"x1 1/2" DIA. w/SATIN FINISH. BOBRICK 'B-6806x24' OR EQUAL
20. COAT HOOK, BOBRICK B-76717 SURFACE-MOUNTED SINGLE ROBE HOOK WITH SATIN FINISH.
21. SOLID SURFACE COUNTERTOP AND 4" BACKSPLASH
22. MOLDED STONE MOP BASIN W/SERVICE FACUET, HOSE, HOSE BRACKET & WALL MOUNTED MOP HANGERS
23. REFRIGERATED SURFACE MOUNT DRINKING FOUNTAIN WITH BOTTLE FILLING STATION FILTERED: 8GPH STAINLESS STEEL MODEL #HTHB-HAC8SS-WF

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

ENLARGED TOILET ROOM PLANS & SCHEDULES

A9.0

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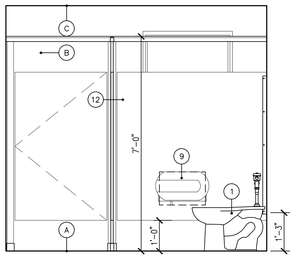
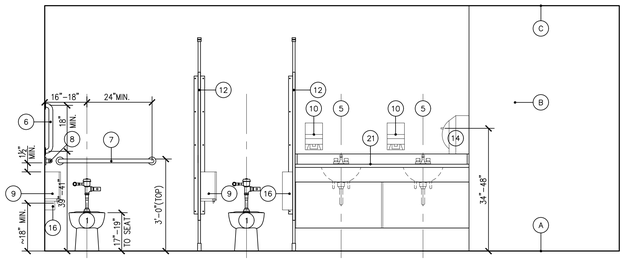
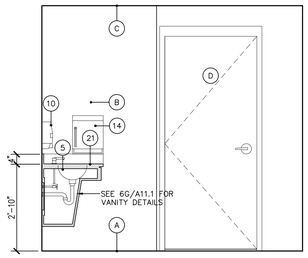


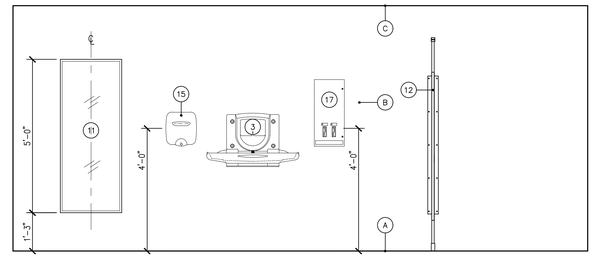
ELEVATION A
SCALE: 1/2"=1'-0"



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

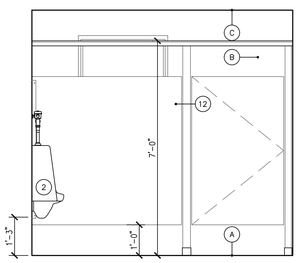


ELEVATION C
SCALE: 1/2"=1'-0"



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

1 A9.1 TOILET ROOM ELEVATIONS
SCALE: 1/2" = 1'-0"



ELEVATION A
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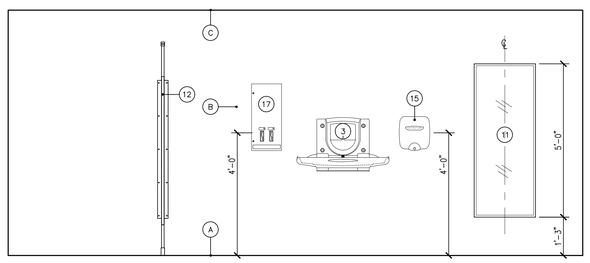
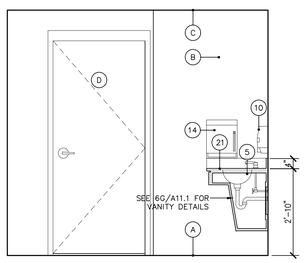
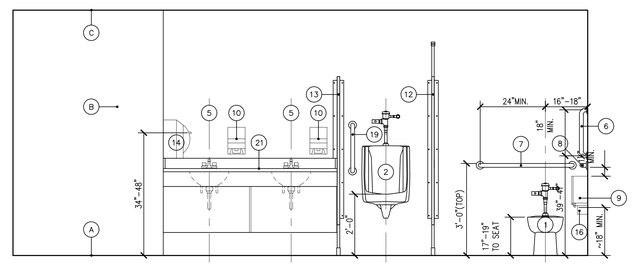


ELEVATION B
SCALE: 1/2"=1'-0"

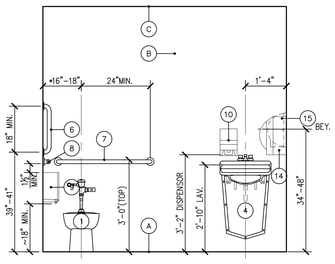


ELEVATION C
SCALE: 1/2"=1'-0"



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

2 A9.1 TOILET ROOM ELEVATIONS
SCALE: 1/2" = 1'-0"



ELEVATION A
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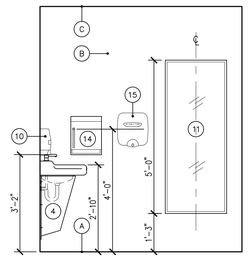

ELEVATION B
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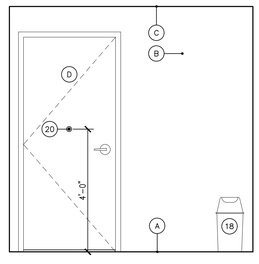
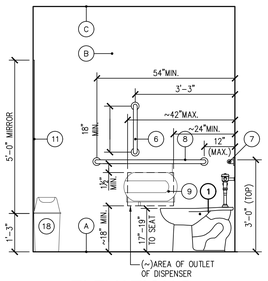
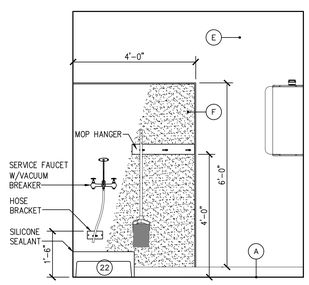


ELEVATION C
SCALE: 1/2"=1'-0"

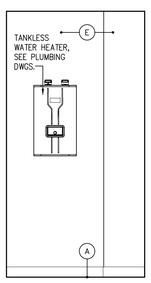


ELEVATION D
SCALE: 1/2"=1'-0"
604B SHOWN, 604C OPPOSITE

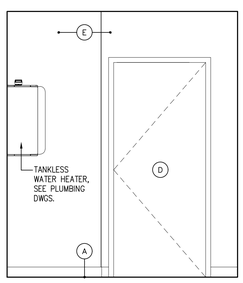
3 A9.1 TOILET ROOM ELEVATIONS
SCALE: 1/2" = 1'-0"



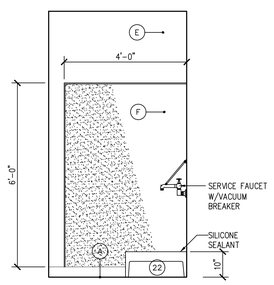
ELEVATION A
SCALE: 1/2"=1'-0"



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



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



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

4 A9.1 CUSTODIAL ROOM ELEVATIONS
SCALE: 1/2" = 1'-0"

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A Professional Corporation of Architects and Planners
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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

TOILET ROOM ELEVATIONS

A9.1

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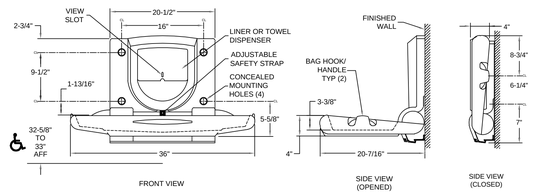
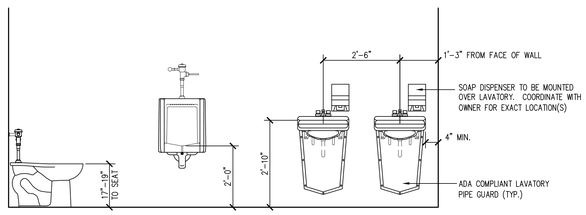
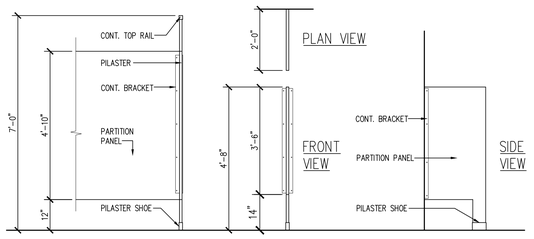


2 A9.2 CHANGING STATION DETAIL
SCALE: 1" = 1'-0"



WALL MOUNTED TOILET | URINAL (STANDARD) (TYPICAL) | LAVATORY SINKS (STANDARD & BF)

TOILET ROOM FIXTURES

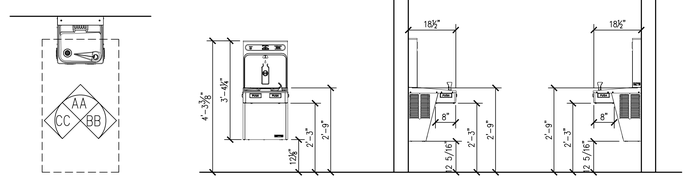


TOILET PARTITION | URINAL PARTITION W/END POST

TOILET ROOM PARTITIONS

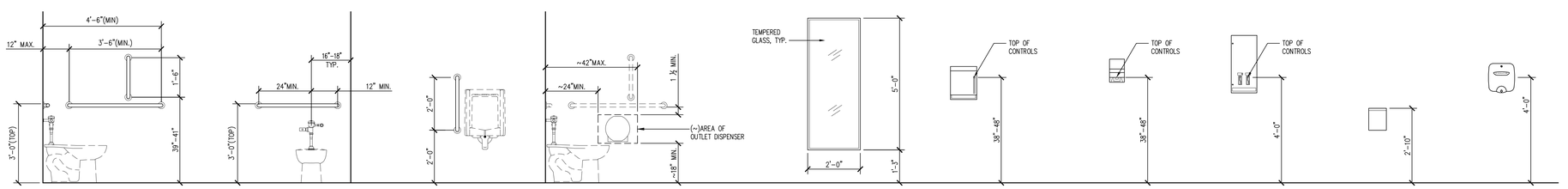
REFRIGERATED SURFACE MOUNT DRINKING FOUNTAIN WITH BOTTLE FILLING STATION FILTERED: 8GPH STAINLESS STEEL **MODEL** #HTHB-HAC8SS-WF (FILTERED BOTTLE FILLING STATION ONLY) BY HALSEY TAYLOR OR APPROVED EQUAL. SEE SPECIFICATIONS)

NOTE: ALL PLUMBING FIXTURES SUPPLIED & INSTALLED BY PLUMBING CONTRACTOR.



PLAN SCALE: 1/2"=1'-0" | ELEV. "AA" SCALE: 1/2"=1'-0" | ELEV. "BB" SCALE: 1/2"=1'-0" | ELEV. "CC" SCALE: 1/2"=1'-0"

ELECTRIC BOTTLE FILLER STATION



GRAB BARS (TOILET)–SIDE | GRAB BARS (TOILET)–BACK | GRAB BAR (STANDARD URINAL) SEE PLAN FOR LOCATION | TOILET TISSUE DISPENSER (BF) | MIRROR | PAPER TOWEL DISPENSER (STANDARD) | SOAP DISPENSER (STANDARD) | SANITARY NAPKIN/ TAMPON DISPENSOR | SANITARY NAPKIN DISPOSAL | ELECTRIC HAND DRYER

TOILET ROOM ACCESSORIES

1 A9.2 TOILET ROOM STANDARDS
SCALE: 1/2" = 1'-0"

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2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
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TOILET ROOM STANDARDS
A9.2

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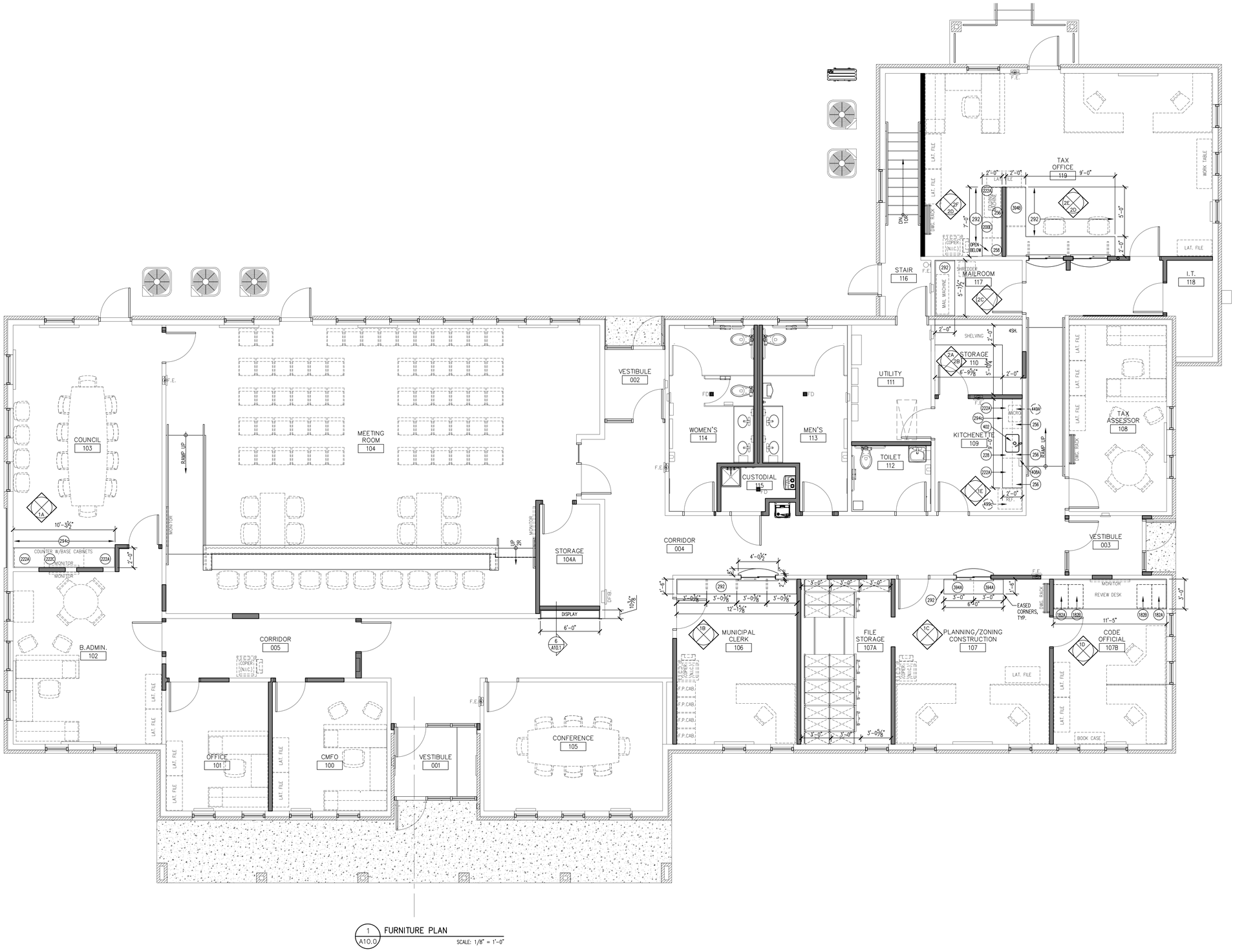

1 A10.0 FURNITURE PLAN

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

ISSUED FOR BID: 10-1-2026

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A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS		
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Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

FURNITURE PLAN AND SCHEDULE
A10.0

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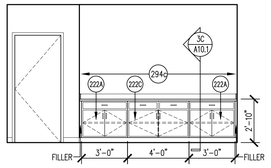
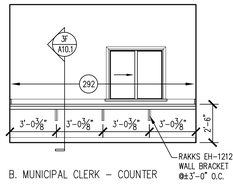
LIST OF EQUIPMENT AND FURNITURE:

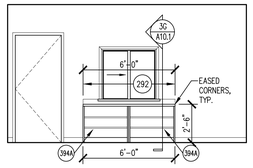
ITEM NUMBER	DESCRIPTION	BASE BID IN CONTRACT	(N.I.C.) NOT IN CONTRACT	OWNER SUPPLIED/G.C. TO INSTALL
182A	VERTICAL FILE CABINET, 2 DRAWER, 15"Wx28 1/2"Dx29" H. w/LOCK, HON, #212PP OR APPROVED EQUAL	✔		
182B	VERTICAL FILE CABINET, 2 DRAWERS/1 FILE, 15"Wx28 1/2"Dx29" H. w/LOCK, HON, #210 SERIES OR APPROVED EQUAL	✔		
200E	OPEN BASE CABINET, 24"Wx23 1/4"Dx34"H, LSI MODEL# 1000M (MODIFIED w/2 ADJ. SHELVES)	✔		
222A	BASE CABINET w/LOCK, 36"Wx24 1/4"Dx34"H, LSI MODEL# 1052	✔		
222C	BASE CABINET w/LOCK, 48"Wx24 1/4"Dx34"H, LSI MODEL# 1052(M)–MODIFIED w/VERTICAL DIVIDER	✔		
228	WHEELCHAIR ACCESSIBLE VANITY CABINET, 36"Wx24 1/4"Dx34"H, LSI MODEL #1136	✔		
256	WALL CABINET w/LOCK, 36"Wx14 1/4"Dx30"H, LSI MODEL #3052	✔		
258	WALL CABINET w/LOCK, 48"Wx14 1/4"Dx30"H, LSI MODEL #3052(M) MODIFIED w/VERTICAL DIVIDER)	✔		
292	CONTINUOUS FULL WIDTH PLASTIC LAMINATE COUNTER TOP & BACKSPLASH W/3MM PVC EDGE, SEE KEY PLAN FOR LOCATION.	✔		
394A	OPEN BASE CABINET, 36"Wx18"Dx30"H, LSI MODEL# 2001M (MODIFIED TO 18"DEEP w/4 ADJ. SHELVES)	✔		
394B	OPEN BASE CABINET, 48"Wx23 1/4"Dx30"H, LSI MODEL# 2001M (MODIFIED w/4 ADJ. SHELVES)	✔		
402	H.C. SINK w/FAUCET (SINK PROVIDED BY COUNTERTOP FABRICATOR. ALL CONNECTIONS, TRAPS, FAUCETS, DRAINS, ETC. BY PLUMB. CONTRACTOR) ELKAY: MODEL #ECTRUAD211755, CROSSTOWN, 18 GAUGE STAINLESS STEEL 22 1/2"x18 1/2"x5 1/2" SINGLE BOWL UNDERMOUNT SINK	✔		
408a	PAPER TOWEL DISPENSER (PROVIDED BY OWNER & INSTALLED BY G.C.)			✔
449a	MICROWAVE OVEN, 1.1 CU. FT., 800W, GENERAL ELECTRIC MODEL #PEM31SFSS OR APPROVED EQUAL		✔	
499C	24"WIDE BOTTOM FREEZER REFRIGERATOR, 10.0 CU. FT., STAINLESS STEEL, GENERAL ELECTRIC MODEL #PBV10RSVSS OR APPROVED EQUAL		✔	



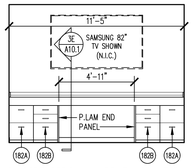
A. COUNCIL – BASE CABINETS



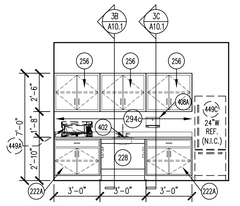
B. MUNICIPAL CLERK – COUNTER



C. PLANNING/ZONING – COUNTER W/SHELVES

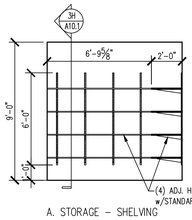


D. CODE OFFICIAL – REVIEW COUNTER

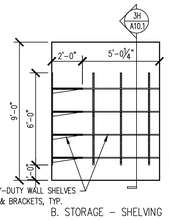


E. KITCHENETTE – BASE/WALL CABINETS

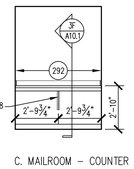
1 A10.1 CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



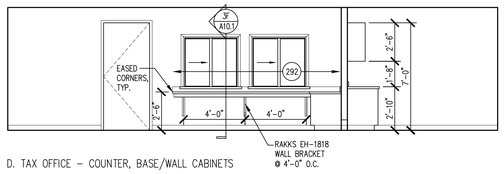
A. STORAGE – SHELVING



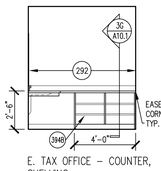
B. STORAGE – SHELVING



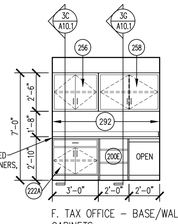
C. MAILROOM – COUNTER



D. TAX OFFICE – COUNTER, BASE/WALL CABINETS

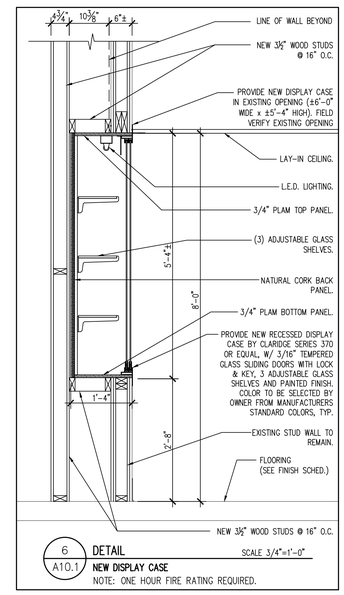


E. TAX OFFICE – COUNTER, SHELVING

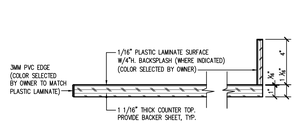


F. TAX OFFICE – BASE/WALL CABINETS

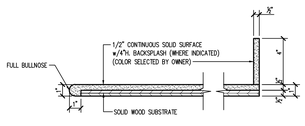
2 A10.1 CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



6 A10.1 DETAIL
SCALE 3/4"=1'-0"
NEW DISPLAY CASE
NOTE: ONE HOUR FIRE RATING REQUIRED.



4 A10.1 EDGE DETAIL
PLASTIC LAMINATE
SCALE: 3" = 1'-0"

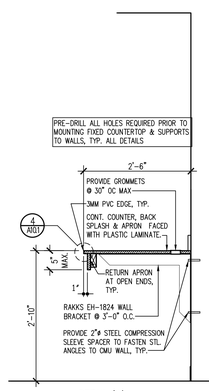


5 A10.1 EDGE DETAIL
SOLID SURFACE
SCALE: 3" = 1'-0"

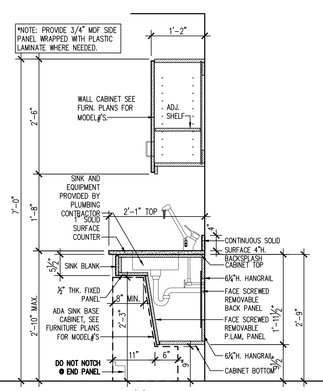
GENERAL NOTES:

A. PLASTIC LAMINATE COLOR SELECTED BY OWNER. (SUBMIT SAMPLES FOR APPROVAL).

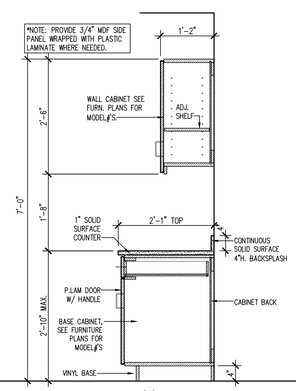
B. PROVIDE PVC EDGING AT PLASTIC LAMINATE COUNTERTOPS.



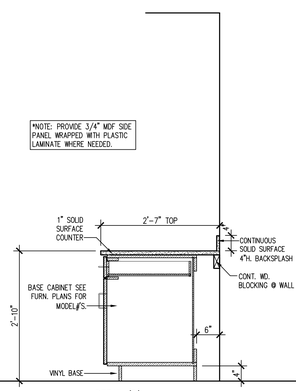
DETAIL 'A' –
TYPICAL PLASTIC LAMINATE COUNTER



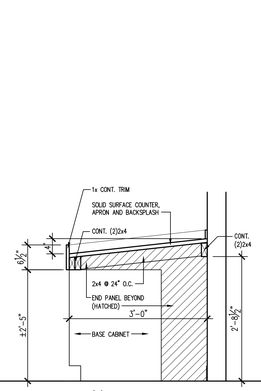
DETAIL 'B' –
TYPICAL SOLID SURFACE TOP HANDICAP SINK CABINET



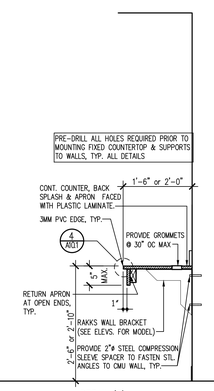
DETAIL 'C' –
STANDARD SOLID SURFACE BASE & WALL CABINET



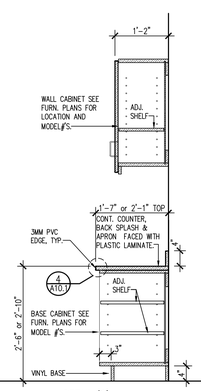
DETAIL 'D' –
PLASTIC LAMINATE TOP CABINET



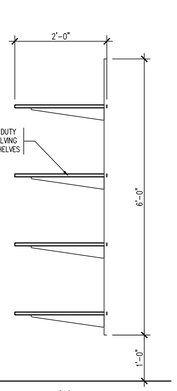
DETAIL 'E' –
PLASTIC LAMINATE REVIEW COUNTER



DETAIL 'F' –
TYPICAL PLASTIC LAMINATE COUNTER



DETAIL 'G' –
PLASTIC LAMINATE OPEN BASE CABINET @ PLANNING/ZONING



DETAIL 'H' –
PLASTIC LAMINATE STORAGE ROOM SHELVES

3 A10.1 CASEWORK DETAILS
SCALE: 1/2" = 1'-0"

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

FURNITURE ELEVATIONS & DETAILS
A10.1

THESE PLANS ARE NOT TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF GARRISON ARCHITECTS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB, AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.
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GENERAL NOTES

1. THE NOTES OF THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES. THE INTENT OF THE SPECIFICATIONS IS TO OUTLINE OR INDICATE ITEMS OF WORK WHICH CANNOT READILY BE SHOWN ON THE CONTRACT DRAWINGS AND FURTHER TO INDICATE THE TYPES AND QUALITIES OF MATERIALS AND WORKMANSHIP. SHOULD THE SPECIFICATIONS AND DRAWINGS DISAGREE IN THEMSELVES, OR WITH EACH OTHER, WRITTEN CLARIFICATIONS SHOULD BE REQUESTED OF THE ARCHITECT/ENGINEER BY THE CONTRACTOR. INCONSISTENCIES BETWEEN THE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK. IN THE ABSENCE OF SAME, PROPOSALS SHALL BE BASED ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND QUANTITY OF WORK INDICATED ON EITHER THE DRAWINGS OR SPECIFICATIONS. SEE SPECIFICATION SECTION 00100 PARAGRAPH 3, a & b.

2. IF DURING THE PROGRESS OF THE WORK THE CONTRACTOR MAY DISCOVER ANY ERROR, INCONSISTENCY OR OMISSION IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL AT ONCE SO REPORT TO THE ARCHITECT/ENGINEER. EXTRAS WILL NOT BE ALLOWED FOR CORRECTION OF PROBLEMS THAT COULD HAVE BEEN AVOIDED BY CAREFUL REVIEW AND THE MINOR ADJUSTMENT OF SIZE AND/OR LOCATION OF VARIOUS ITEMS FOR PROPER FIT. THIS CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF HIS WORK WITH THE OTHER CONTRACTORS.

3. ANY ITEM NOT SPECIFICALLY LISTED OR SHOWN ON THE CONTRACT DOCUMENTS BUT IS INCIDENTAL TO THE COMPLETION OF THE PROJECT OR PACKAGE WILL BE CONSIDERED AS PART OF THE CONTRACT SCOPE OF WORK.

4. IN THE EVENT OF DISCREPANCY OR CONFLICTING INFORMATION PERTAINING TO THE STRUCTURAL COMPONENTS IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL ASSUME THE MORE STRINGENT OR EXPENSIVE OPTION FOR BIDDING AND CONSTRUCTION PURPOSES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEEK CLARIFICATION FROM THE ENGINEER OF RECORD DURING THE BIDDING PROCESS IF ANY DISCREPANCIES ARE IDENTIFIED.

5. THE STRUCTURAL ENGINEER OF RECORD IS NOT AND SHALL NOT BE HELD RESPONSIBLE FOR BUILDING ENVELOPE WATERPROOFING. THIS INCLUDES, BUT IS NOT LIMITED TO, ROOFING, FLASHING, WINDOWS AND DOORS, SIDING AND VENEERS, FOUNDATION WATERPROOFING, DAMP PROOFING, ETC. THIS IS THE RESPONSIBILITY OF THE ARCHITECT OF RECORD AND THE GENERAL CONTRACTOR.

6. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

7. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS, FALSEWORK, FORMWORK, AND STAGING. PROVIDE ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT. IN THE EVENT THAT THE CONTRACTOR DETERMINES THAT SHEETING OR SHORING IS REQUIRED, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR DESIGN AND DOCUMENTATION OF ALL SHEETING, SHORING AND TEMPORARY BRACING REQUIRED FOR THE WORK. IF NOT IN THE ORIGINAL CONTRACT FOR WORK, REVIEW OF ANY ENGINEERED SHEETING, SHORING AND TEMPORARY BRACING REQUIRED WILL BE CONSIDERED ADDITIONAL SCOPE OF WORK AND WILL BE CONSIDERED ADDITIONAL SERVICES.

8. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE CONSTRUCTION LOADS.

9. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.

10. ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

11. SHOULD THE CONTRACTOR SEEK APPROVAL OF A PRODUCT OTHER THAN THE BRAND OR BRANDS NAMED IN THESE SPECIFICATIONS, SEE SPECIFICATION SECTION 00100 PARAGRAPH 18 AND SPECIFICATION SECTION 01300 PARAGRAPH 2.1.

12. MANUFACTURERS' STANDARD DATA AND CATALOG CUT SHEETS WILL NOT BE CONSIDERED SUFFICIENT IN THEMSELVES. SEE SPECIFICATION SECTION 01300 SUBMITTALS FOR PROPER SHOP DRAWING REQUIREMENTS.

13. SUBMIT SHOP DRAWINGS IN THE FORM ELECTRONIC PDF FILES. IN NO CASE SHALL REPRODUCTION OF THE CONTRACT DOCUMENTS BE USED AS A SHOP DRAWING. AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW:

    A. CONCRETE MIX DESIGNS
    B. REINFORCING STEEL SHOP DRAWINGS
    C. STRUCTURAL STEEL SHOP DRAWINGS

17. SUBMIT SHOP DRAWINGS 12 BUSINESS DAYS (MINIMUM) PRIOR TO DATE THAT RETURNED SHOP DRAWINGS ARE REQUIRED. SHOP DRAWINGS SHALL HAVE THE CONTRACTOR'S STAMP OF APPROVAL PRIOR TO REVIEW BY ENGINEER OF RECORD. THE CONTRACTOR REVIEW/APPROVAL STAMP PROVIDES CERTIFICATION TO THE ENGINEER OF RECORD THAT THE CONTRACTOR HAS VERIFIED ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIALS AND SIMILAR DATA AND HAS REVIEWED EACH DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.

18. COSTS OF INVESTIGATION AND/OR REDESIGN DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.

19. THE ENGINEER HAS NO ONGOING PRESENCE ON THE SITE, NO CONTROL OF ACTIVITIES ON THE SITE, NO SUPERVISORY ROLE AND NO FIELD RESPONSIBILITY FOR SITE SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR SUPERVISION OF THE WORK INCLUDING PERSONNEL PROTECTION IN ACCORDANCE WITH OSHA AND OTHER APPLICABLE REGULATIONS AND PUBLIC PROTECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION IN WHICH THE PROJECT IS BEING CONSTRUCTED.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES BY OR DURING THE EXECUTION OF THE WORK.

21. CONTRACTOR SHALL VERIFY DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING WORK, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PROMPTLY OF ANY DEVIATION FROM THE PLAN, UNEXPECTED CONDITIONS, OR INCIDENTS INVOLVING INJURY, COLLAPSE, PROPERTY DAMAGE OR VIOLATIONS ISSUED BY GOVERNMENT ENTITIES.

***** THE ARCHITECT/ENGINEER OF RECORD IS NOT AND SHALL NOT BE HELD LIABLE FOR SITE SAFETY ISSUES *****

EXISTING CONDITIONS

1. EXISTING CONDITIONS INDICATED ARE OBTAINED FROM AVAILABLE SOURCES (EXISTING DRAWINGS, FIELD SURVEYS, ETC.) AND ARE NOT GUARANTEED TO BE TRUE AND EXACT. CONTRACTOR(S) SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.

2. EXISTING FOUNDATION SIZE AND ELEVATIONS ARE UNKNOWN OR MAY VARY FROM ASSUMED CONDITIONS. GENERAL CONTRACTOR SHALL PROVIDE TEST PITS ETC. AS REQUIRED TO VERIFY CONDITIONS. THIS WORK SHALL BE DONE PRIOR TO STARTING ANY EXCAVATION OR OTHER WORK ON SITE. NOTIFY THE ENGINEER IMMEDIATELY OF FINDINGS INCLUDING A DETAILED SKETCH OF FOOTING SIZES AND BOTTOM OF FOOTING ELEVATIONS INCLUDING ANY OTHER PERTINENT INFORMATION.

DEMOLITION/EXCAVATION NOTES

1. DEMOLITION/EXCAVATION DRAWINGS AND DETAILS ARE NOT EXCLUSIVE AND SHOULD BE USED TO SUPPLEMENT THE COMPLETE DOCUMENT PACKAGE. REFER TO THE SCOPE OF WORK FOR ADDITIONAL EXCAVATION REQUIREMENTS. (NOTE THE "DEMOLITION/EXCAVATION" PROCESS SHALL NOT DEGRADE THE LONG TERM PERFORMANCE OF THE EXISTING STRUCTURE OR ADJACENT AREAS. THE WORD EXCAVATION SHALL MEAN THE SAME AS THE WORD DEMOLITION AND VICE VERSA.)

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY EXCAVATION OR NEW WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BRACING AND SHORING REQUIRED TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE BUILDING DURING EXCAVATION AND CONSTRUCTION. CONTRACTOR SHALL COORDINATE THE EXCAVATION WITH THE OWNER AND OWNERS REQUIREMENTS.

4. PROTECTION OF PERSONS AND PROPERTY SHALL BE PROVIDED THROUGHOUT THE PROGRESS OF THE WORK. THIS IS THE CONTRACTORS SOLE RESPONSIBILITY. THE WORK SHALL PROCEED IN SUCH MANNER AS TO MINIMIZE THE SPREAD OF DUST AND FLYING PARTICLES AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL PERSONNEL.

5. IF EXISTING EQUIPMENT, SURFACES AND/OR MATERIALS ARE DAMAGED, DEFACED, OR MARRED DURING THE PROGRESS OF DISMANTLING OR EXCAVATION, THEY SHALL BE REPLACED OR REPAIRED WITH LIKE OR OTHER APPROVED MATERIALS AND RETURNED TO EQUAL OR BETTER THAN EXISTING CONDITION AND OR APPEARANCE; AND FINISHED TO MATCH THE NEW OR EXISTING ADJACENT AREAS AT NO ADDITIONAL COST TO THE OWNER. PENETRATIONS REMAINING IN WALLS, FLOORS, AND CEILINGS SHALL BE PATCHED AND THE SURFACES FINISHED TO MATCH THE ADJACENT AREAS.

6. DISCONNECTION OF SERVICES. WHERE IT IS NECESSARY TO INTERRUPT THE UTILITY SERVICE TO THE BUILDING, PRIOR APPROVAL SHALL BE OBTAINED FROM THE OWNER, IN WRITING, UNLESS OTHERWISE DIRECTED; THE ACTUAL PROVISIONS SHALL BE MADE TO AVOID INTERFERENCE WITH, OR THE FREE PASSAGE INTO ADJOINING AND ADJACENT AREAS NOT IN THE CONTRACT.

7. MATERIAL AND EQUIPMENT INDICATED TO BE "SALVAGED" SHALL BE DELIVERED TO THE DESIGNATED STORAGE AREAS OR AS DIRECTED BY THE OWNER UNLESS OTHERWISE SPECIFIED.

8. ITEMS SHALL BE STORED IN SUCH A MANNER AS TO PREVENT DAMAGE. FERROUS ITEMS SHALL BE STORED IN SUCH A MANNER AS TO PREVENT RUSTING.

9. DEBRIS AND RUBBISH SHALL NOT ACCUMULATE ON THE SITE, AND SHALL BE REMOVED DAILY. SALVAGEABLE MATERIAL NOT REUSED IN CONSTRUCTION OR NOT TO REMAIN THE PROPERTY OF THE OWNER SHALL BE REMOVED FROM THE SITE. SALE OF MATERIALS ON THE SITE IS PROHIBITED. BURNING ON THE SITE IS PROHIBITED. THE CONTRACTOR SHALL NOTIFY THE OWNER IF HE ENCOUNTERS QUESTIONABLE HAZARDOUS MATERIAL AND ITS DISPOSITION.

10. BLOCK UP ALL EXISTING OPENINGS IDENTIFIED AND AS DIRECTED BY THE CONSTRUCTION MANAGER. REMOVE ALL WELDED STEEL FRAMES AND FABRICATED METAL FRAMES AROUND ALL OPENINGS PRIOR TO BLOCK WORK. SHORE OPENINGS AS NECESSARY AND FILL OPENINGS WITH CONCRETE BLOCK, AS SPECIFIED, TO MATCH EXISTING. MAINTAIN RUNNING BOND FOR INFILL WORK. BRICK OR BLOCK THAT IS CRACKED OR BROKEN IN THE PROCESS OF REMOVING EXISTING CONSTRUCTION IS TO BE REPLACED.

11. AT REMOVED CMU AND BRICK MASONRY, PROVIDE TOOTHED JAMBS IN EXISTING CMU TO REMAIN TO ACCEPT NEW CMU. REMOVE EXISTING CMU IN FULL WIDTH UNITS. REMOVE ALL EXISTING MORTAR FROM SURFACES OF EXISTING CMU TO RECEIVE NEW WORK. REMOVE ALL EXISTING PAINT OR COATINGS FROM SURFACES TO RECEIVE NEW WORK COULD AFFECT NEW MORTAR BOND.

12. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS INCLUDING BUT NOT LIMITED TO 1926.850 (a). CONTRACTOR SHALL RETAIN THE SERVICES OF A LINCENSED ENGIEER (LICENSED IN THE JURISDICTION OF THE PROJECT) TO PERFORM AN ENGINEERING SURVEY OF THE STRUCTURE TO DETERMINE THE CONDITION OF THE FRAMING, FLOORS AND WALLS, ETC. AND THE POSSIBILITY OF UNPLANNED COLLAPSE. THIS SURVEY SHALL INCLUDE REVIEW OF THE STRUCTURE AS NECESSARY, REVIEW OF THE CONTRACTORS MEANS AND METHODS OF DEMOLITION / CONSTRUCTION INCLUDING STOCKPILING OF MATERIALS, USE OF EQUIPMENT (BOBCATS, LIFTS, ETC.), DEMOLITION PROCEDURES, ETC.

FOUNDATION NOTES

1. FOUNDATION DESIGN IS BASED ON AN ASSUMPTION OF SHALLOW SPREAD FOOTINGS BEARING ON SOIL CAPABLE OF SUPPORTING 3000 PSF. ACTUAL ALLOWABLE SOIL BEARING PRESSURE MUST BE VERIFIED BY A GEOTECHNICAL ENGINEER RETAINED BY THE GENERAL CONTRACTOR. IF A DIFFERENT VALUE IS ASCERTAINED BY THE GEOTECHNICAL ENGINEER THE STRUCTURAL ENGINEER MUST BE IMMEDIATELY NOTIFIED TO RE-EVALUATE THE FOUNDATION DESIGN. IT IS ALSO NECESSARY FOR THE GEOTECHNICAL ENGINEER TO VERIFY THAT COMPRESSIBLE SOIL LAYERS WHICH COULD CAUSE SETTLEMENT IN THE FOUNDATIONS ARE NOT PRESENT.

2. THE DESIGN OF THE SLAB-ON-GRADE IS BASED ON AN ASSUMPTION OF SUITABLE SOIL FOR SUPPORT. THIS DESIGN MAY NEED TO BE RE-EVALUATED UPON RECEIPT OF THE GEOTECHNICAL ENGINEER'S REPORT.

3. EXTEND BOTTOM OF EXTERIOR FOOTINGS AT LEAST 3'-0" BELOW THE EXTERIOR FINISHED GRADE FOR PROTECTION AGAINST FROST.

4. ALL SUBGRADES AND UNDERCUTS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. SOILS EXPOSED AT THE BASES OF ALL APPROVED FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION, SUCH AS DISTURBANCE FROM RAIN OR FROST. SURFACE RUNOFF SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND. FOUNDATION EXCAVATIONS SHOULD BE PROTECTED FROM RAINFALL OR FREEZING CONDITIONS. SLOPE FOOTING EXCAVATIONS AS REQUIRED FOR STABILITY AND SAFETY OR PROVIDE SHEETING OR SHORING IN ACCORDANCE WITH OSHA REQUIREMENTS. IN THE EVENT THAT THE CONTRACTOR DETERMINES THAT SHEETING OR SHORING IS REQUIRED FOR EXCAVATION, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR DESIGN AND DOCUMENTATION OF ALL SHEETING AND SHORING REQUIRED FOR THE WORK.

CONCRETE NOTES (03300)

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318 (LATEST EDITION).

2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:

    a. FOUNDATIONS: 4000 PSI
    b. SLABS ON GRADE: 4000 PSI
    c. SLABS ON DECK: 4000 PSI, NW & LW AS INDICATED.

3. ALL CONCRETE SUBJECT TO FREEZE/THAW CYCLE SHALL BE AIR-ENTRAINED.

4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.

5. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 DEFORMED BARS AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND BE PROVIDED IN FLAT SHEETS.

6. COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW. REFER TO SPECIFICATION SECTION 01300.

7. REINFORCEMENT SHALL BE CONTINUOUS AROUND CORNERS AND AT INTERSECTIONS. PROVIDE CLASS "A" TENSION LAP SPLICES FOR ALL HORIZONTAL WALL REINFORCING UNLESS OTHERWISE SHOWN ON PLAN. PROVIDE CLASS "B" TENSION LAP SPLICES FOR ALL HORIZONTAL GRADE BEAM REINFORCING.

8. CLEARANCES FOR REINFORCEMENT:
    a. CONCRETE PLACED DIRECTLY ON EARTH, FOOTINGS: 3"
    b. SLABS, FROM TOP UNLESS OTHERWISE NOTED: 1"
    c. FORMED SURFACES EXPOSED TO WEATHER OR EARTH:
        #5 BAR OR SMALLER: 1 ½"
        #6 BAR OR LARGER: 2"

9. FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS, PROVIDE SUPPLEMENTAL REINFORCING AROUND OPENING AS SHOWN ON THE CONTRACT DOCUMENTS.

10. CONTROL JOINTS IN SLABS ON GRADE: SEE SPECIFICATION SECTION 03300.
    a. CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON SLAB ON GRADE PLAN.
    b. CONTROL JOINTS SHALL BE SAW CUT (1/3 THE SLAB DEPTH) AND FILLED WITH JOINT SEALER. CUT JOINTS AS SOON AS POSSIBLE WITHOUT FRAYING THE CONCRETE SURFACE.
    c. CONSTRUCTION JOINTS SHALL INCLUDE A 1"x2" SHEAR KEY AT MID-HEIGHT OF SLAB.
    d. CONTROL JOINTS IN WALLS SHALL NOT EXCEED 40'-0" O.C. NOR 15'-0" FROM ANY CORNER.

    CONTROL JOINTS SHALL BE LOCATED BY CONTRACTOR IN ACCORDANCE WITH ACI CRITERIA, MAXIMUM SPACINGS AS PER TYPICAL SLAB ON GRADE DETAILS AND TYPICAL CONTROL JOINT LOCATION DETAILS (U.N.O.). MINIMUM CONTROL JOINT DEPTHS ARE INDICATED ON TYPICAL CONTROL JOINT DETAILS. CONTROL JOINTS WHICH ARE NOT PROMPTLY OR PROPERLY CUT AND ARE NOT FUNCTIONING SHALL BE RECUT BY THE CONCRETE CONTRACTOR. RECUTS OF JOINTS WHICH WERE NOT PROMPTLY OR PROPERLY CUT SHALL BE 3" DEEP MINIMUM.

11. THE FINISH TOLERANCE OF ALL SLABS SHALL BE IN ACCORDANCE WITH ACI 302 AND THAT SPECIFIED ON THE CONTRACT DOCUMENTS. SEE SPECIFICATION SECTION 03300 FOR FINISHING.

12. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR. 36 UNLESS NOTED OTHERWISE.

13. LAP ALL BARS A MINIMUM OF 40 DIAMETERS. LAP ALL WWF A MINIMUM OF 6 INCHES.

14. UNLESS OTHERWISE APPROVED ALL REINFORCEMENT SHALL BE BLOCKED INTO POSITION WITH PRECAST CONCRETE BLOCKS HAVING A MINIMUM COMPRESSIVE STRENGTH EQUAL TO THAT OF THE SLAB OR FOUNDATION SYSTEM.

15. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS, DRAINS, AND DIMENSIONS.

16. PROVIDE GALVANIZED STEEL SLEEVES WHERE PIPES PASS THROUGH EXTERIOR CONCRETE WALLS, BEAMS OR SLABS. PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH INTERIOR CONCRETE WALLS, BEAM OR SLABS (UNLESS NOTED OTHERWISE).

17. DO NOT PLACE UNDERGROUND UTILITIES OR PIPES BELOW FOOTINGS. IF ANY SUCH CONDITIONS OCCUR, NOTIFY THE ENGINEER IMMEDIATELY AND DROP THE BOTTOM OF FOOTING ELEVATION IN ACCORDANCE WITH THE TYPICAL STEP FOOTING AT PIPE CROSSING DETAIL IN ORDER TO CLEAR THE PIPE.

18. PROVIDE FOR ANY DEWATERING AS REQUIRED DURING EXCAVATION AND CONSTRUCTION OF THE FOUNDATION SYSTEM.

19. BOTTOM OF NEW FOOTINGS ADJACENT TO EXISTING FOUNDATIONS SHALL BE AT THE SAME ELEVATION AS THE EXISTING FOUNDATION UNLESS A 2:1 MAXIMUM SLOPE (HORIZONTAL TO VERTICAL) IS MAINTAINED BETWEEN BOTTOM OF FOOTINGS.

20. AIR-ENTRAINMENT FOR CONCRETE EXPOSED TO FROST OR WEATHER: (DO NOT ENTRAIN TROWEL FINISHED FLOORS OR HIGH DENSITY CONCRETE)

MAXIMUM AGGREGATE SIZE	AIR CONTENT
2 in	4% TO 6.5%
1.5 in	4% TO 7%
1 in	4.5% TO 7%
0.75 in	4.5% TO 7%

STEEL NOTES (05120)

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO:
    a. AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" ANSI/AISC 360-16 (PART 16 OF AISC "STEEL CONSTRUCTION MANUAL")
    b. AISC "STEEL CONSTRUCTION MANUAL," 15TH EDITION
    c. ISC "DETAILING FOR STEEL CONSTRUCTION", 3RD EDITION

2. ALL WELDING SHALL CONFORM TO:
    a. "STRUCTURAL WELDING CODE – STEEL", AWS D1.1 – LATEST EDITION
    b. "STRUCTURAL WELDING CODE – SHEET STEEL" AWS D1.3 – LATEST EDITION

3. ALL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECS:
    a. WIDE FLANGE SHAPES: ASTM A992, Fy = 50 KSI.
    b. CHANNELS, ANGLES, PLATES & BARS: ASTM A36, Fy = 36 KSI
    c. CHANNELS, ANGLES, PLATES & BARS: ASTM A572 GR. 50 (WHERE NOTED)
    d. HOLLOW STRUCTURAL SECTIONS: ASTM A500 GR. B, Fy = 46 KSI
    e. STEEL PIPES: ASTM A53, GR. B, Fy = 35 KSI
    f. WELDING ELECTRODES: AWS A5.1 OR A5.5, E70XX
    g. HEADED STUDS: AWS D1.1 TYPE "B", Fu = 65 KSI (MIN.)
    h. ANCHOR RODS: ASTM F1554 GR 36, U.N.O.
        • ASTM F1554 GR. 55 (SECTION S1 WELDABILITY SUPPL.)
        • ASTM F1554 GR. 105 (WHERE NOTED)
    i. HIGH STRENGTH BOLTS: ASTM A325, U.N.O., ASTM 490 (WHERE NOTED)

4. STRUCTURAL STEEL DAMAGED DURING WELDING SHALL BE REPLACED OR REPAIRED IN A MANNER THAT IS ACCEPTABLE TO THE ENGINEER OF RECORD.

5. ALL WELDERS RETAINED BY THE CONTRACTOR SHALL HAVE NON-EXPIRED (CURRENT) EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATIONS TEST AND PROVIDE EVIDENCE UPON THE REQUEST OF THE ENGINEER OF RECORD, AT ANYTIME.

6. THE GENERAL CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER OF RECORD OF ANY ERECTION, FABRICATION OR INSTALLATION ERRORS OR CONDITIONS OF NON-CONFORMANCE TO THE CONSTRUCTION DRAWINGS. THE GENERAL CONTRACTOR SHALL NOT PROVIDE ANY FIELD CORRECTIONS PRIOR TO A WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.

7. ALL STEEL NOT RECEIVING FIREPROOFING SHALL BE PAINTED WITH THE FABRICATOR'S RUST INHIBITIVE PRIMER. ALL PRIMER THAT IS DAMAGED IN THE FIELD AND ALL FIELD WELDS SHALL BE TOUCHED UP WITH FIELD APPLIED PRIMER.

8. THE MINIMUM SIZE OF ALL FILLET WELDS SHOWN ON DRAWINGS SHALL BE IN ACCORDANCE WITH TABLE J2.4 OF AISC "STEEL CONSTRUCTION MANUAL", UNLESS NOTED OTHERWISE.

9. SUBMIT ALL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY FABRICATION.

10. STEEL FABRICATOR IS SOLELY RESPONSIBLE FOR SURVEYING AND VERIFICATION OF EXISTING CONDITIONS INCLUDING, BUT NOT LIMITED TO, THE LOCATION, ELEVATION, DIMENSIONS OF EXISTING WALLS, FRAMING, ETC.

11. THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

12. NON-SHRINK GROUT FOR COLUMN BASE PLATES SHALL BE PREMIXED (FACTORY-PACKAGED), SHRINKAGE RESISTANT, NONMETALLIC GROUT COMPLYING WITH ASTM C-1107. NON-SHRINK GROUT AGGREGATE SHALL BE NONMETALLIC, NON-CORROSIVE, NON-STAINING, MIXED WITH WATER TO CONSTANCY SUITABLE FOR APPLICATION AND A 30 MINUTE WORKING TIME. CONTRACTOR SHALL PROVIDE MANUFACTURE'S DATA SHEETS FOR APPROVAL BY ENGINEER OF RECORD, PRIOR TO CONSTRUCTION.

13. PROMPTLY PACK GROUT SOLIDLY BETWEEN BEARING SURFACES AND BASE OR BEARING PLATES SO NO VOIDS REMAIN. NEATLY AND CAREFULLY FINISH ALL EXPOSED SURFACES. PROTECT GROUT AND ALLOW TO CURE, FOLLOWING MANUFACTURER'S RECOMMENDATIONS AND WRITTEN INSTALLATION INSTRUCTION FOR SHRINKAGE-RESISTANT GROUTS.

14. PRIOR TO STEEL COLUMN AND BASE PLATE FABRICATION, STEEL FABRICATOR SHALL BE PROVIDED WITH A COMPLETE SURVEY OF THE LOCATIONS OF ALREADY IN PLACE ANCHOR BOLTS, BY THE CONTRACTOR. STEEL FABRICATOR SHALL ADJUST ANCHOR BOLT HOLES ACCORDINGLY BASED ON SITE AS-BUILT CONDITIONS BEFORE THE FABRICATION OF COLUMN BASE PLATES AND DELIVERY TO THE SITE.

SHORING NOTES

1. CONTRACTOR SHALL DESIGN A MEANS OF JACKING WHICH DOES NOT JEOPARDIZE THE CONDITION OF THE EXISTING STRUCTURAL FABRIC.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF SAFE AND ADEQUATE SHORING WHICH PROVIDES THE NECESSARY RIGIDITY, SUPPORTS THE IMPOSED CONSTRUCTION LOADS AND PRODUCES A FINISHED STRUCTURE IN CLOSE CONFORMANCE WITH THE LINES AND GRADES OF THE STRUCTURE AS APPROVED BY THE OWNER.

3. SHORING SHALL BE FOUNDED ON SOLID FOOTINGS CAPABLE OF SUPPORTING THE IMPOSED LOADS.

4. APPROVAL OR FIELD REVIEW OF THE SHORING BY THE OWNER WILL IN NO WAY RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE SHORING.

5. DAMAGE OF EXISTING FRAMING, MASONRY, FINISHES OR OTHER ASSEMBLIES AS MAY BE CAUSED BY THE CONTRACTOR'S FAILURE TO TEMPORARILY SUPPORT THE STRUCTURE DURING THE COURSE OF REPAIRS, SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

6. THE CONTRACTOR SHALL SUBMIT A WRITTEN PLAN WHICH DESCRIBES THE SEQUENCE AND EQUIPMENT TO BE USED FOR SHORING AND JACKING. DO NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE OWNER.

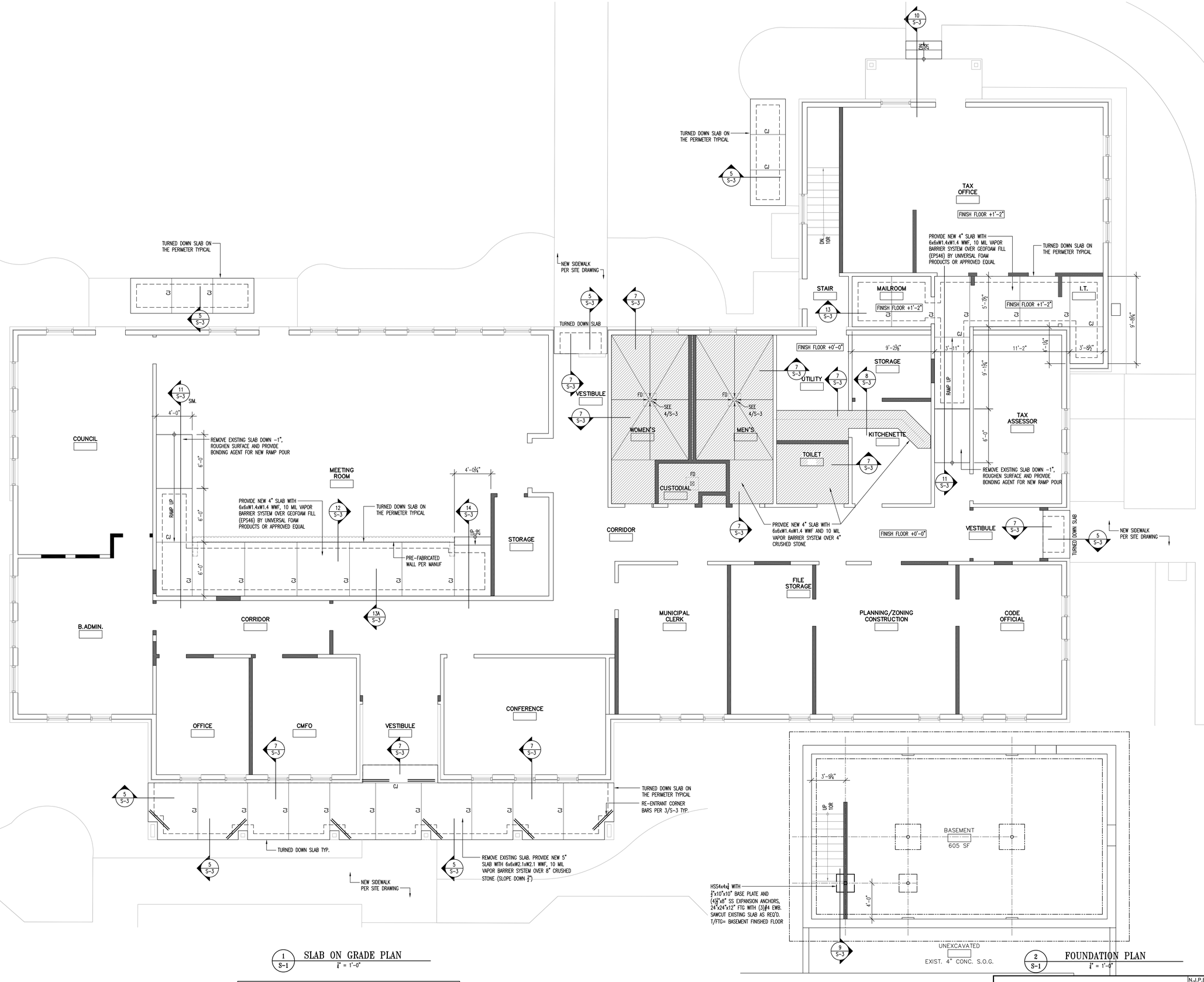
MEANS AND METHODS DISCLAIMER

1. 1. THE STRUCTURAL ENGINEER OF RECORD (EOR) HAS DESIGNED THE STRUCTURAL SYSTEMS AND ELEMENTS PRESENTED IN THESE DRAWINGS SOLELY FOR THE FINAL INSTALLED CONDITION, IN ACCORDANCE WITH PROJECT SPECIFICATIONS, LOCAL BUILDING CODES, AND APPLICABLE INDUSTRY STANDARDS. THE GENERAL CONTRACTOR OR DESIGNATED CONSTRUCTION ENTITY SHALL ASSUME FULL RESPONSIBILITY FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, INCLUDING BUT NOT LIMITED TO TEMPORARY BRACING, COMPONENT STABILIZATION, AND COORDINATION WITH ALL TRADES AND MANUFACTURERS' REQUIREMENTS.

2. THE CONTRACTOR SHALL EXECUTE ALL CONSTRUCTION PROCESSES IN STRICT ACCORDANCE WITH LOCAL AND STATE BUILDING CODES, REGULATIONS, AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) GUIDELINES. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE SELECTION, DEPLOYMENT, AND MONITORING OF ALL EQUIPMENT, TEMPORARY STRUCTURAL SUPPORTS, SHORING, SCAFFOLDING, CRANE OPERATIONS, AND SAFETY PROGRAMS. THE CONTRACTOR SHALL MAINTAIN DOCUMENTATION OF COMPLIANCE WITH THESE REQUIREMENTS.

3. THE STRUCTURAL DESIGN AND DETAILS PROVIDED HEREIN DO NOT CONSTITUTE AN ENDORSEMENT OR APPROVAL OF ANY SPECIFIC CONSTRUCTION METHODOLOGY. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS, COORDINATE WITH MANUFACTURERS' REQUIREMENTS, AND SUBMIT FOR REVIEW ANY PROPOSED DEVATIONS FROM THE DESIGN INTENT. THE CONTRACTOR SHALL MAINTAIN RESPONSIBILITY FOR IMPLEMENTING ALL CONSTRUCTION ACTIVITIES IN A SAFE AND APPROPRIATE MANNER.

4. THE DESCRIBED LIMITATIONS ON CONSTRUCTION SEQUENCE ARE PROVIDED TO ASSIST THE CONTRACTOR IN COORDINATING PROJECT WORK. THESE DESCRIPTIONS DO NOT FULLY ENCOMPASS ALL LIMITATIONS NOR DO THEY PRECLUDE ALTERNATIVE CONSTRUCTION SEQUENCES. REGARDLESS OF ADHERENCE TO THE DESCRIBED LIMITATIONS, THE CONTRACTOR REMAINS FULLY RESPONSI



1 S-1 SLAB ON GRADE PLAN
¼" = 1'-0"

2 S-1 FOUNDATION PLAN
¼" = 1'-0"

FOUNDATION NOTES

1. FIRST FLOOR REFERENCE DATUM IS ELEVATION 0'-0".
2. COORDINATE WITH ARCH, MECH, ELEC, AND PLUMBING DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC., NOT SHOWN ON THIS PLAN.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.
4. EXISTING CONSTRUCTION SHOWN THUS _____ , TO BE FIELD VERIFIED PRIOR TO DETAILING, FABRICATION AND CONSTRUCTION.
5. REFER TO TYPICAL DETAILS ON DRAWING S-3.

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TOWNSHIP OF SOUTH HAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-01-26
Scale: DO NOT SCALE

SLAB ON GRADE AND FOUNDATION PLAN
S-1

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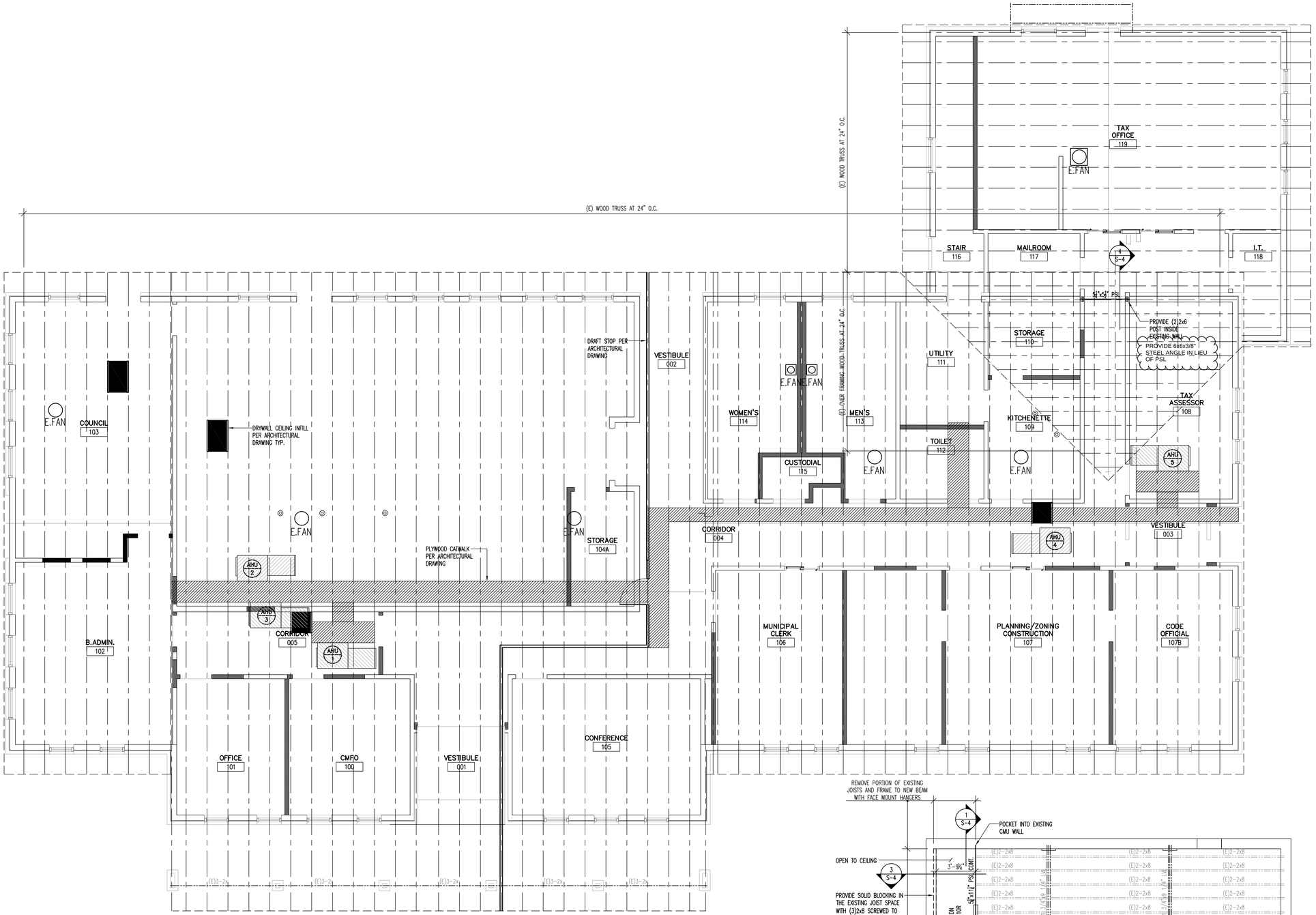
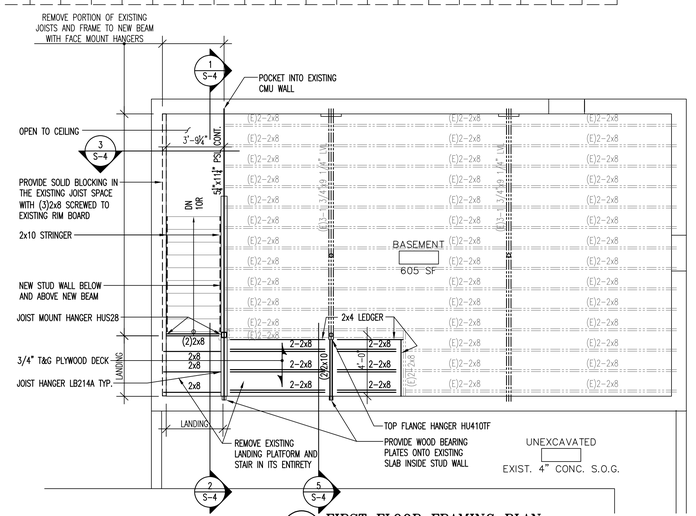
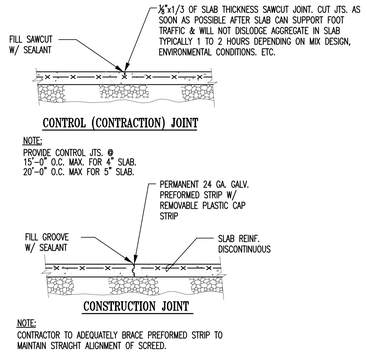


1 S-2 ROOF FRAMING PLAN
1/4" = 1'-0"

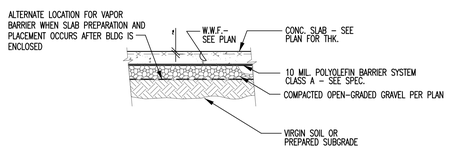
ROOF FRAMING PLAN NOTES

1. FOR GENERAL NOTES REFER TO S-0.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.

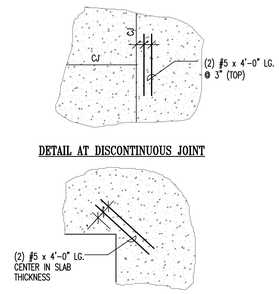

REMOVE PORTION OF EXISTING JOISTS AND FRAME TO NEW BEAM WITH FACE MOUNT HANGERS
1 S-4
POCKET INTO EXISTING CMU WALL
OPEN TO CEILING
3 S-4
3'-9¼"
5¼"x11¾" PSL CONT.
PROVIDE SOLID BLOCKING IN THE EXISTING JOIST SPACE WITH (3)2x8 SCREWED TO EXISTING RIM BOARD
2x10 STRINGER
NEW STUD WALL BELOW AND ABOVE NEW BEAM
JOIST MOUNT HANGER HUS28
3/4" T&G PLYWOOD DECK
JOIST HANGER LB214A TYP.
LANDING
2x4 LEDGER
(2)2x8
2x8
2x8
2-2x8
2-2x8
2-



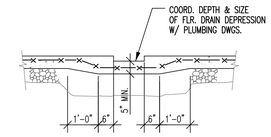
1 S-3 TYP. SLAB-ON-GRADE JOINT DETAILS
1/2" = 1'-0"



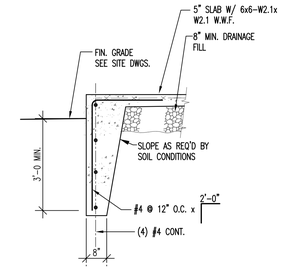
2 S-3 TYP. SLAB-ON-GRADE SUBSURFACE PREPARATION
1/2" = 1'-0"



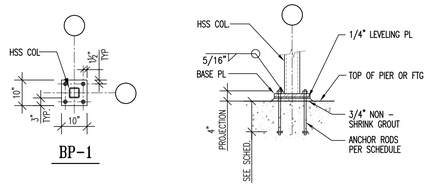
3 S-3 RE-ENTRANT CORNER
1/2" = 1'-0"



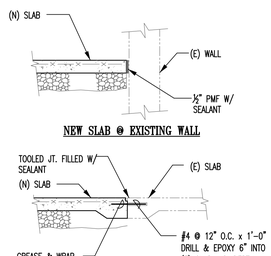
4 S-3 TYPICAL DETAIL AT FLOOR DRAIN
1/2" = 1'-0"



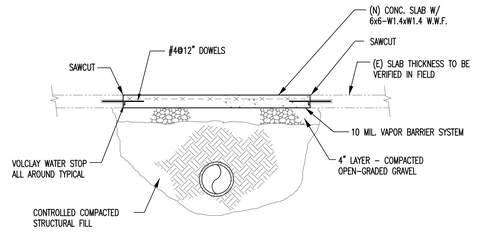
5 S-3 SECTION
½" = 1'-0"



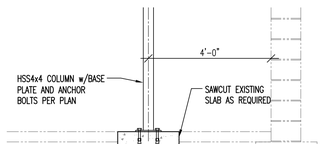
6 S-3 BASE PLATE DETAILS
1/2" = 1'-0"



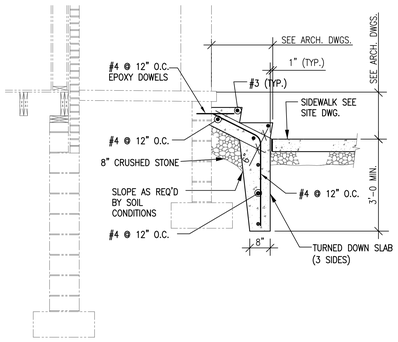
7 S-3 TYPICAL NEW SLAB/EXISTING INTERFACE
½" = 1'-0"



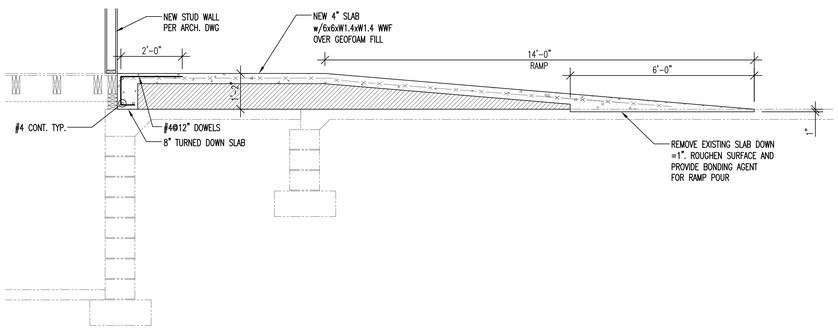
8 S-3 TYPICAL SLAB REPLACEMENT DETAIL AT UTILITY TRENCH
½" = 1'-0"



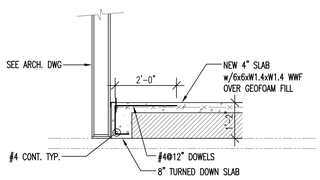
9 S-3 SECTION
1/2" = 1'-0"



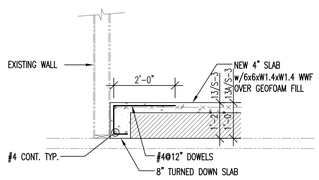
10 S-3 CONCRETE STAIR DETAIL
½" = 1'-0"



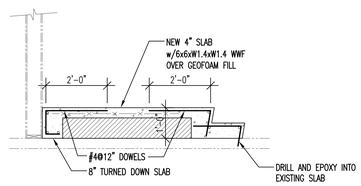
11 S-3 SECTION
1/2" = 1'-0"



12 S-3 SECTION
1/2" = 1'-0"



13 S-3 13A S-3 SECTION
1/2" = 1'-0"



14 S-3 SECTION
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MATTHEW F. EDWARDS

ISSUE FOR BID 10-01-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 398-6200

TOWNSHIP OF SOUTH HAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-01-26
Scale: DO NOT SCALE

FOUNDATION SECTIONS AND DETAILS
S-3

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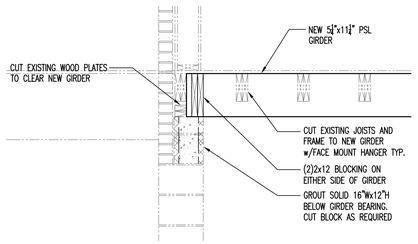
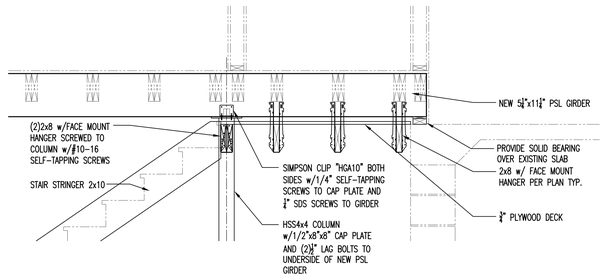


1 S-4 SECTION 3/4" = 1'-0"



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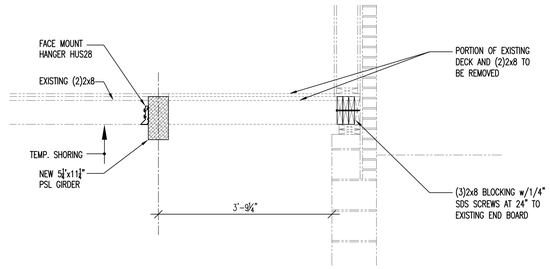
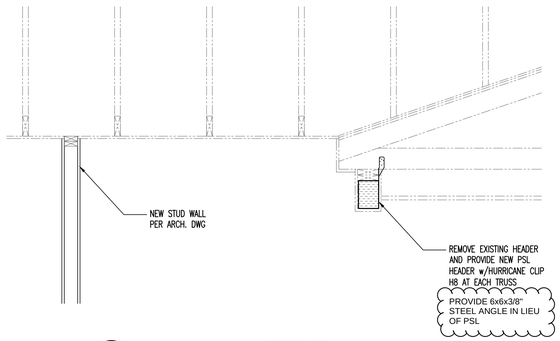
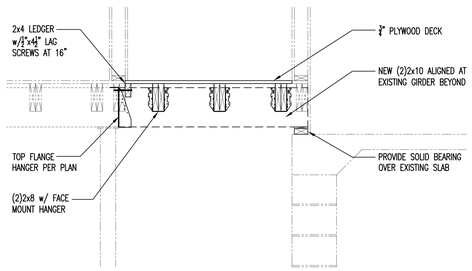


3 S-4 SECTION 3/4" = 1'-0"



4 S-4 SECTION 3/4" = 1'-0"



5 S-4 SECTION 3/4" = 1'-0"

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TOWNSHIP OF SOUTH HAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-01-26
Scale: DO NOT SCALE

FRAMING SECTIONS AND DETAILS

S-4

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MECHANICAL SHEET NOTES

1 EXISTING TO BE REMOVED, ITEM AS INDICATED. REMOVE ALL SUPPORTS, APPURTENANCES, PIPE AND CONTROLS. REMOVE ALL PIPE TO POINT OF CONNECTION TO MAIN AND CAP MAIN OR TO BEHIND FINISHED SURFACES. PATCH AND RESTORE ALL EXISTING SURFACES TO MATCH EXISTING. REMOVE AND REPLACE EXISTING CEILINGS AS NEEDED TO COMPLETE DEMOLITION WORK. VERIFY ALL CONDITIONS IN FIELD, ITEM AS INDICATED.

2 EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION. VERIFY ALL EXISTING CONDITIONS IN FIELD, ITEM AS INDICATED.

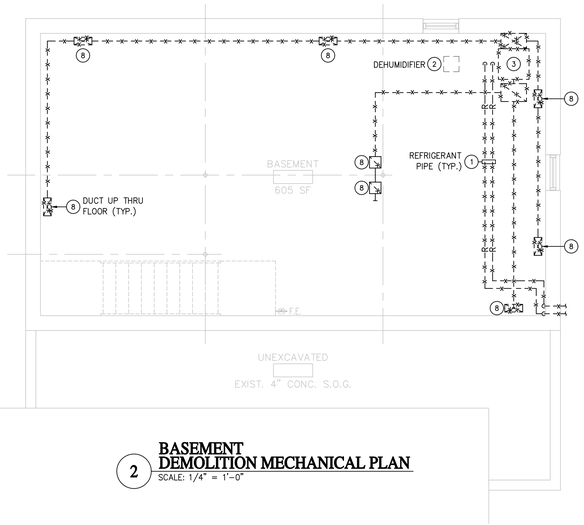
3 REMOVE EXISTING AIR HANDLING UNIT IN BASEMENT OR ATTIC AND ALL ASSOCIATED DUCTWORK, FLUE, AIR DEVICES, CONTROL WIRING/DEVICES, PIPING AND ACCESSORIES.

4 REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, ROOF/WALL CAP, WIRING AND CONTROLS. PATCH ROOF WHERE EXISTING OPENING IS NO LONGER BEING USED. REFER TO ARCHITECTURAL DETAILS.

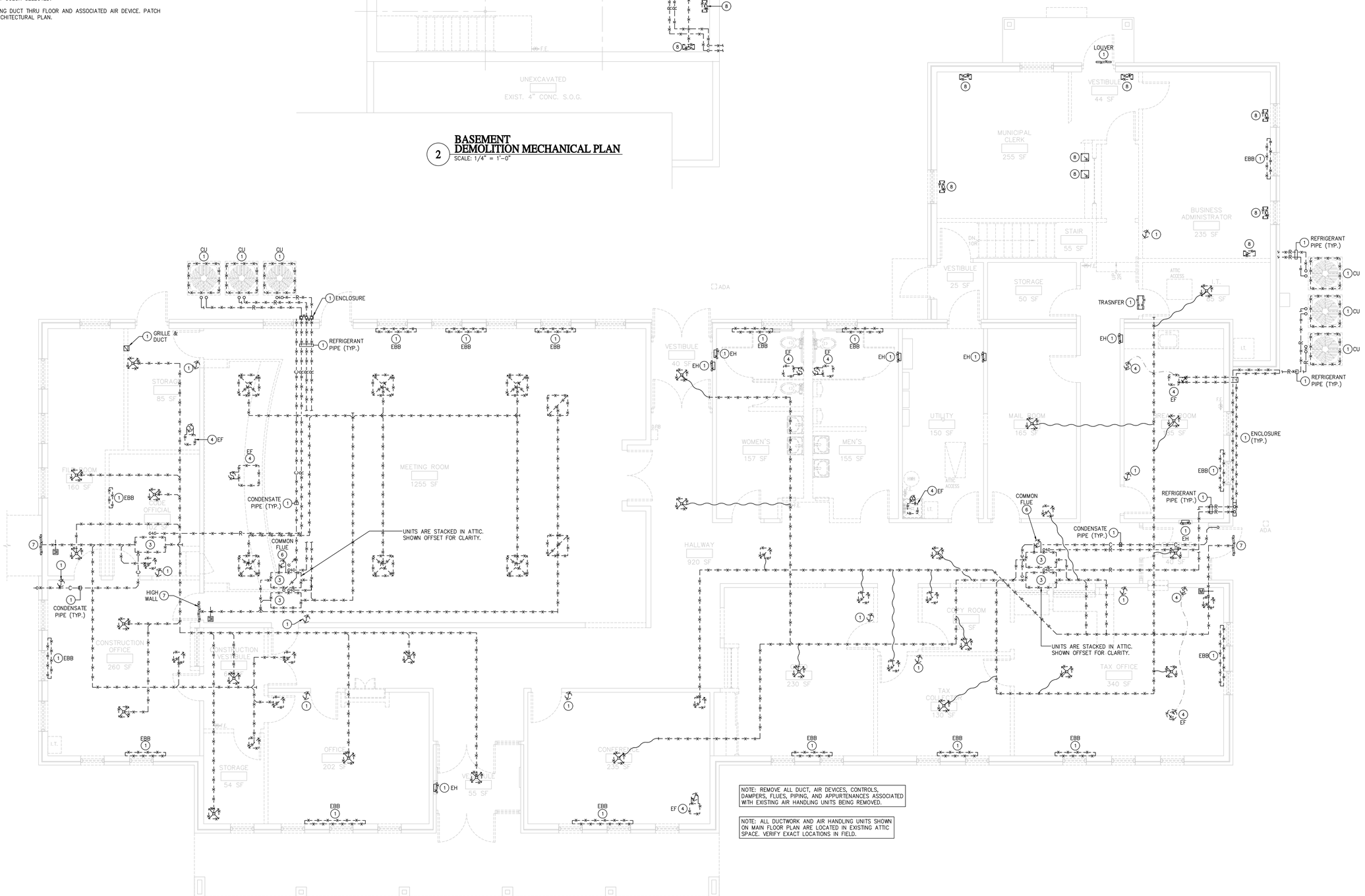
6 REMOVE EXISTING FLUE THRU ROOF. PATCH ROOF TO MATCH EXISTING, REFER TO ARCHITECTURAL DETAILS. REMOVE ALL BRANCH FLUES FROM AIR HANDLING UNITS.

7 REMOVE EXISTING LOUVER AND PROVIDE NEW LOUVER IN EXISTING OPENING. NEW LOUVER SIZE SHALL MATCH EXISTING. VERIFY EXACT LOCATION AND SIZE IN FIELD. PAINT COLOR SELECTED.

8 REMOVE EXISTING DUCT THRU FLOOR AND ASSOCIATED AIR DEVICE. PATCH FLOOR PER ARCHITECTURAL PLAN.



2 **BASEMENT DEMOLITION MECHANICAL PLAN**
SCALE: 1/4" = 1'-0"



NOTE: REMOVE ALL DUCT, AIR DEVICES, CONTROLS, DAMPERS, FLUES, PIPING, AND APPURTENANCES ASSOCIATED WITH EXISTING AIR HANDLING UNITS BEING REMOVED.

NOTE: ALL DUCTWORK AND AIR HANDLING UNITS SHOWN ON MAIN FLOOR PLAN ARE LOCATED IN EXISTING ATTIC SPACE. VERIFY EXACT LOCATIONS IN FIELD.

1 **MAIN FLOOR DEMOLITION MECHANICAL PLAN**
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

MULHERN and ASSOCIATES, Incorporated
321 South York Road
Hatboro, Pennsylvania 19040
Phone: (215) 293-9900
Fax: (215) 293-9214

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PRIOR TO BIDDING, MECHANICAL CONTRACTOR TO VISIT SITE PER SPECIFICATION 15010
ALL WORK NEW U.N.O.
ALL WORK BASE BID U.N.O.

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MECHANICAL DEMOLITION FLOOR PLAN

M1.0

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TO VISIT SITE PER SPECIFICATION 15010
ALL WORK NEW U.N.O.
ALL WORK BASE BID U.N.O.

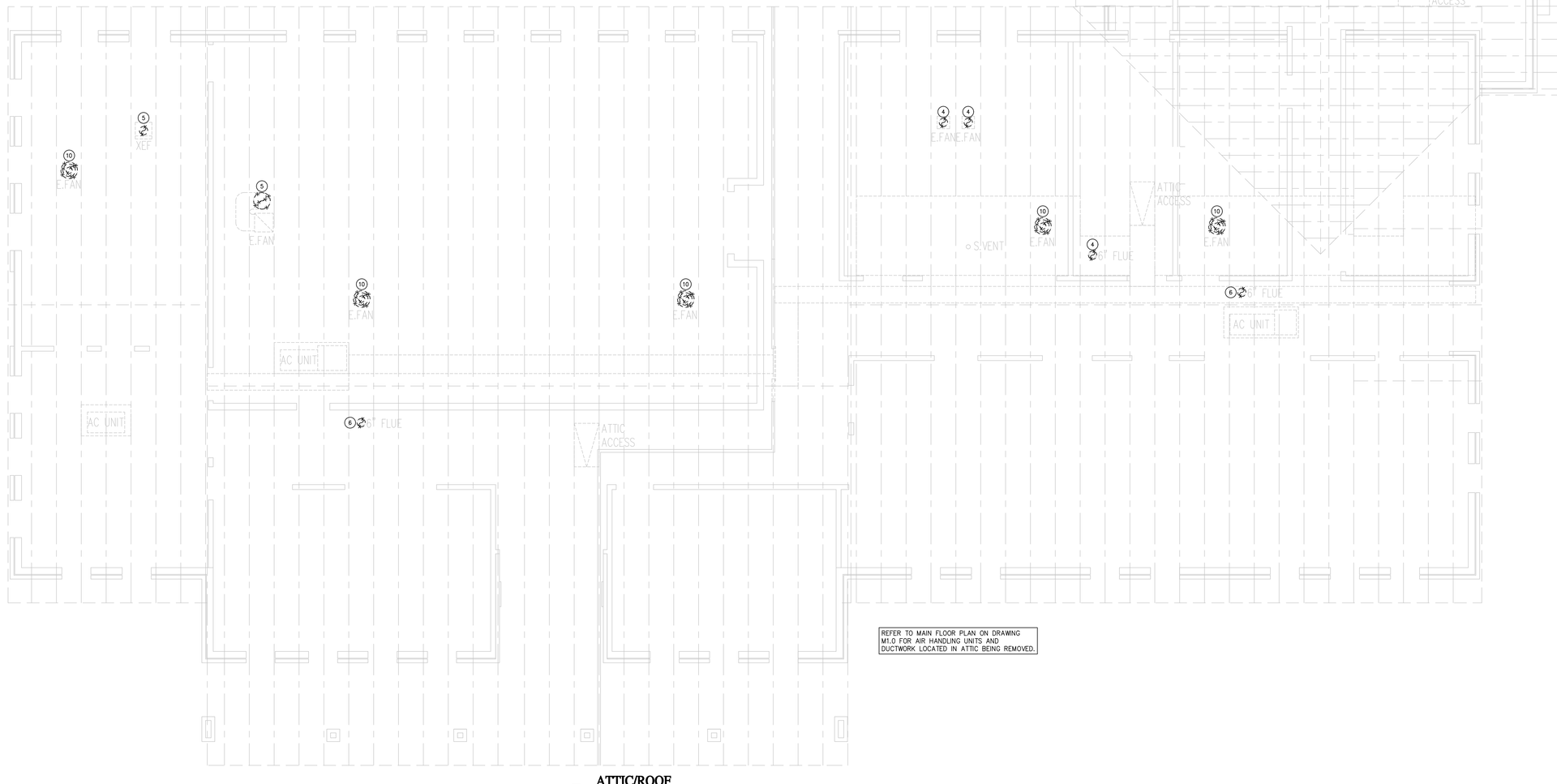
MECHANICAL SHEET NOTES

4 REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, ROOF/WALL CAP, WIRING AND CONTROLS. PATCH ROOF WHERE EXISTING OPENING IS NO LONGER BEING USED. REFER TO ARCHITECTURAL DETAILS.

5 REMOVE EXISTING DUCT THRU ROOF AND ASSOCIATED ROOF CAP. PATCH ROOF TO MATCH EXISTING, REFER TO ARCHITECTURAL DETAILS.

6 REMOVE EXISTING FLUE THRU ROOF. PATCH ROOF TO MATCH EXISTING, REFER TO ARCHITECTURAL DETAILS. REMOVE ALL BRANCH FLUES FROM AIR HANDLING UNITS.

10 REMOVE EXISTING EXHAUST FAN SERVING ATTIC AND ASSOCIATED ROOF CAP. PROVIDE NEW FAN AND NEW ROOF CAP AT EXISTING OPENING. MODIFY OPENING FOR NEW FAN AND ROOF CAP. PROVIDE CONTROL BOX, THERMOSTAT/HUMIDISTAT, WIRING, AND ALL APPURTENANCES TO OPERATE THE NEW FAN. NEW FAN OPERATION SHALL MATCH EXISTING.



REFER TO MAIN FLOOR PLAN ON DRAWING M1.0 FOR AIR HANDLING UNITS AND DUCTWORK LOCATED IN ATTIC BEING REMOVED.

1 ATTIC/ROOF DEMOLITION MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

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TOWNSHIP OF SOUTHAMPTON
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5 RETREAT ROAD
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REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
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MECHANICAL DEMOLITION ATTIC/ROOF PLAN

M1.1

1" 0 1" 2" 3" 4" 5" 6" 7" 8" 9" 10" 11" 12"
3/4"=1'-0" 0 3/4" 1 1/2" 2 3" 3 4" 4 5" 5 6" 6 7" 7 8" 8 9" 9 10" 10 11" 11 12" 12
1/2"=1'-0" 0 1/2" 1 2" 2 3" 3 4" 4 5" 5 6" 6 7" 7 8" 8 9" 9 10" 10 11" 11 12" 12
1/4"=1'-0" 0 1/4" 1 1/2" 2 3/4" 3 4" 4 5" 5 6" 6 7" 7 8" 8 9" 9 10" 10 11" 11 12" 12 24" 24 36" 36 48" 48
1/8"=1'-0" 0 1/8" 1 1/4" 2 3/8" 3 1/2" 4 5/8" 5 3/4" 6 7/8" 7 8" 8 9" 9 10" 10 11" 11 12" 12 24" 24 36" 36 48" 48
1/16"=1'-0" 0 1/16" 1 1/8" 2 3/16" 3 1/4" 4 5/16" 5 3/8" 6 7/16" 7 1/2" 8 9/16" 9 5/8" 10 11/16" 11 3/4" 12 13/16" 13 7/8" 14 15/16" 15 1" 16 17" 17 18" 18 19" 19 20" 20 21" 21 22" 22 23" 23 24" 24 25" 25 26" 26 27" 27 28" 28 29" 29 30" 30 31" 31 32" 32 33" 33 34" 34 35" 35 36" 36 37" 37 38" 38 39" 39 40" 40 41" 41 42" 42 43" 43 44" 44 45" 45 46" 46 47" 47 48" 48

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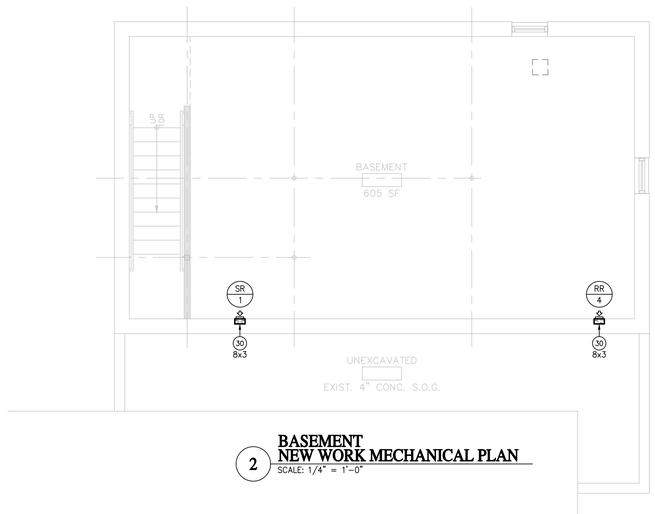
ALL WORK NEW U.N.O.
ALL WORK BASE BID U.N.O.



2 BASEMENT NEW WORK MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

MECHANICAL SHEET NOTES

7 REMOVE EXISTING LOUVER AND PROVIDE NEW LOUVER IN EXISTING OPENING. NEW LOUVER SIZE SHALL MATCH EXISTING. VERIFY EXACT LOCATION AND SIZE IN FIELD. PAINT COLOR SELECTED.

11 NEW AIR HANDLING UNIT IN ATTIC. PROVIDE REFRIGERANT COOLING COIL, GAS FURNACE, AND ELECTRIC REHEAT COIL. PROVIDE NEW HANGERS/VIBRATION ISOLATORS, AUXILIARY DRAIN PAIN W/ALARM, CONDENSATE PUMP, DUCTWORK, TRANSITIONS, FLEXIBLE CONNECTIONS, DUCT INSULATION, PIPING, PIPING INSULATION, CONTROLLERS, BALANCING DAMPERS, AND ALL OTHER OPTIONS AND ACCESSORIES REQUIRED TO OPERATE THE NEW AIR HANDLING UNIT IN ACCORDANCE WITH THEIR SEQUENCE OF OPERATIONS. FINAL LOCATION OF THE UNIT TO BE CONFIRMED IN FIELD TO COMPLY WITH MANUFACTURER'S RECOMMENDED SERVICE AND MAINTENANCE CLEARANCES. PROVIDE ACCESS PANELS/DOORS AS NEEDED. PROVIDE NEW WALK-WAY IN ATTIC TO SERVICE UNIT. VERIFY EXACT LOCATION IN FIELD WITH EXISTING ATTIC CONSTRUCTION. REFER TO ARCHITECTURAL PLANS FOR MOUNTING DETAILS.

13 PROVIDE NEW ELECTRIC BASEBOARD HEATER/CABINET UNIT HEATER WITH INTEGRAL THERMOSTAT, AND ENCLOSURE. PROVIDE WALL RECESS KIT FOR CABINET UNIT HEATERS. VERIFY EXACT LOCATION IN FIELD.

14 ROUTE NEW PIPING UP TO ATTIC IN CHASE AND/OR ENCLOSURE. PROVIDE NEW PRE-MANUFACTURED HORIZONTAL AND VERTICAL SHEET METAL ENCLOSURES FOR REFRIGERANT AND CONDENSATE PIPING. THERE SHALL BE NO EXPOSED PIPING IN THE OCCUPIED SPACES. VERIFY EXACT SIZE AND LOCATION OF ENCLOSURE IN FIELD TO ACCOMMODATE NEW PIPING AND INSULATION.

15 NEW THERMOSTAT AND/OR HUMIDISTAT AND CARBON DIOXIDE SENSORS. VERIFY EXACT LOCATION IN FIELD WITH EXISTING CONDITIONS. REMOVE EXISTING THERMOSTAT/SENSOR AND INSTALL NEW THERMOSTAT/SENSOR IN PLACE (IF APPLICABLE). NOTE – DO NOT USE EXISTING LOCATION IF HEAT GENERATING SOURCE, IE. COMPUTER MONITOR, ETC. IS NEARBY. VERIFY SENSOR LOCATION WITH OWNER.

16 NEW DUCTLESS SPLIT SYSTEM WALL MOUNTED UNIT. VERIFY EXACT LOCATION WITH FINAL IT LAYOUT. PROVIDE ALL HANGERS AND SUPPORTS. PROVIDE PRE-MANUFACTURED HORIZONTAL AND VERTICAL SHEET METAL ENCLOSURES FOR REFRIGERANT AND CONDENSATE PIPING. THERE SHALL BE NO EXPOSED PIPING. CONNECT PIPING PER MANUFACTURER'S EQUIPMENTS.

17 NEW CONDENSING UNIT ON NEW EQUIPMENT PAD AT GRADE. VERIFY EXACT LOCATION IN FIELD. MAINTAIN MANUFACTURERS' REQUIRED CLEARANCES.

19 PROVIDE NEW REFRIGERANT PIPING, INSULATION, PIPE SUPPORTS AND ACCESSORIES OUTDOORS. FIELD ROUTE REFRIGERANT PIPING TO AVOID INTERFERENCES. PIPE SIZES, ROUTINGS AND IN-LINE DEVICES SHALL BE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE LINE SET COVERS FOR REFRIGERANT PIPING INSTALLED OUTDOORS. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

20 PROVIDE NEW ALUMINUM DRAINABLE LOUVER WITH INTEGRAL FLANGE AND INSECT SCREEN. PROVIDE NEW WALL OPENING AND LINTEL. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS. DUCT CONNECTED TO LOUVER SHALL BE FULL SIZE OF LOUVER.

21 NEW DUCT UP THRU CEILING TO ATTIC SPACE. OFFSET IN ATTIC AND ROUTE THRU ROOF TO NEW ROOF CAP. VERIFY EXACT LOCATION IN FIELD. DUCT SIZE AS INDICATED. WHERE DUCT IS USING EXISTING ROOF OPENING, MODIFY EXISTING OPENING FOR NEW DUCT AND ROOF CAP.

22 NEW CEILING-MOUNTED EXHAUST FAN, BACKDRAFT DAMPER, HANGERS, AND DUCTWORK. EXHAUST FAN TO BE INTERLOCKED WITH WALL MOUNTED TIMER SWITCH. VERIFY SWITCH LOCATION IN FIELD.

23 PROVIDE FIRE DAMPER WHERE DUCTWORK PENETRATES CORRIDOR CEILING FROM ATTIC SPACE.

24 NEW CEILING-MOUNTED EXHAUST FAN, BACKDRAFT DAMPER, HANGERS, AND DUCTWORK. EXHAUST FAN TO BE INTERLOCKED WITH ROOM LIGHT SWITCH.

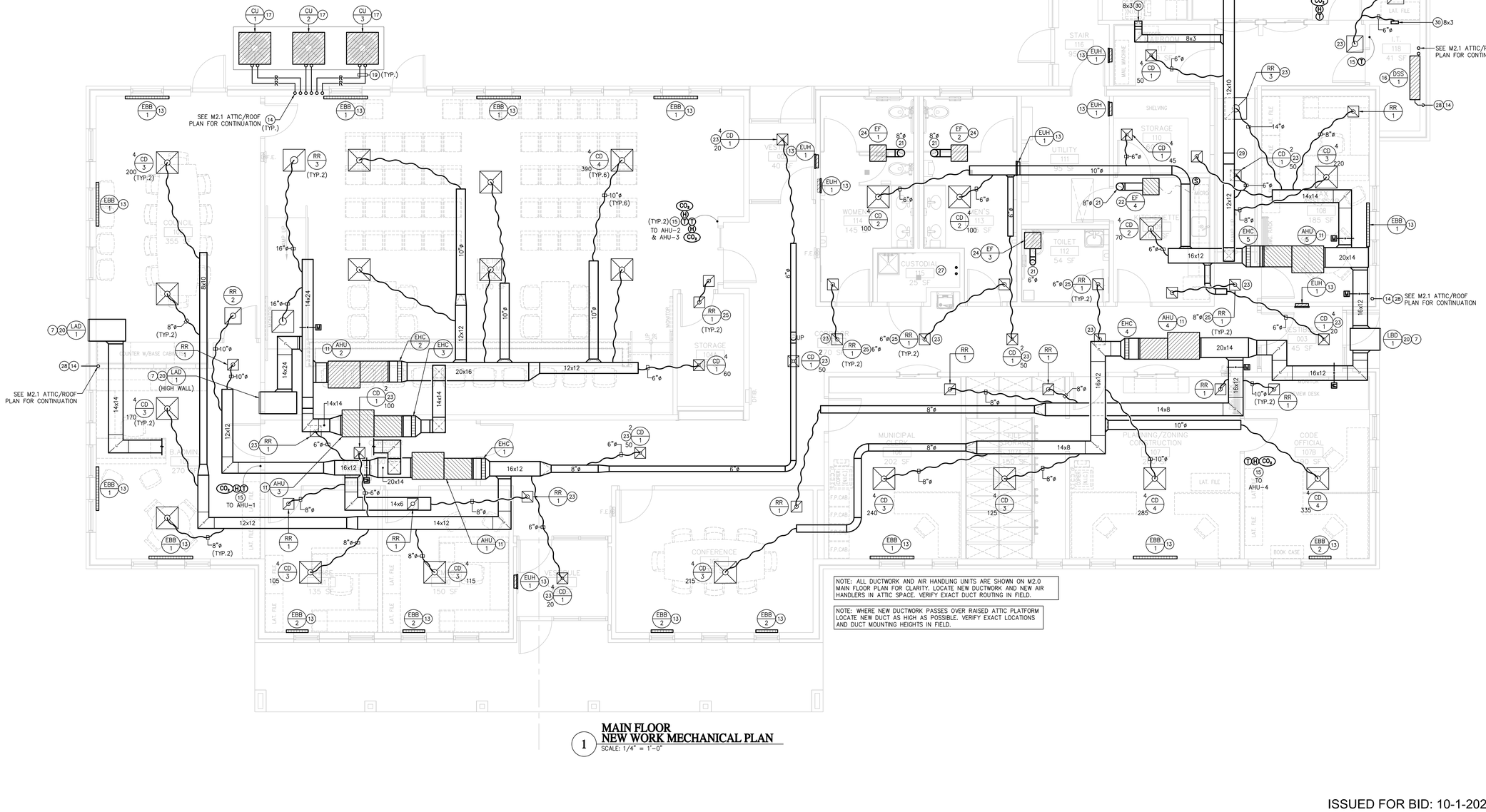
25 PROVIDE TRANSFER WITH RETURN REGISTERS AS INDICATED AND FLEXIBLE DUCT CONNECTION, DUCT SIZE AS INDICATED.

27 CONNECT NEW INTAKE/FLUE TO NEW DOMESTIC HOT WATER HEATER. ROUTE TO ATTIC AND THRU ROOF WITH CONCENTRIC VENT TERMINATION KIT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

28 DISCHARGE CONDENSATE TO GRADE. VERIFY EXACT LOCATION IN FIELD.

29 ROUTE NEW DUCT IN ATTIC THRU EXISTING ROOF TO EXISTING ADDITION ATTIC SPACE. VERIFY EXACT LOCATION IN FIELD.

30 NEW 8"x3" DUCT DOWN IN STUD SPACE TO BASEMENT. PROVIDE NEW GRILLE IN WALL AT BASEMENT, SIZE AS INDICATED. VERIFY EXACT LOCATION IN FIELD.



NOTE: ALL DUCTWORK AND AIR HANDLING UNITS ARE SHOWN ON M2.0 MAIN FLOOR PLAN FOR CLARITY. LOCATE NEW DUCTWORK AND NEW AIR HANDLERS IN ATTIC SPACE. VERIFY EXACT DUCT ROUTING IN FIELD.

NOTE: WHERE NEW DUCTWORK PASSES OVER RAISED ATTIC PLATFORM LOCATE NEW DUCT AS HIGH AS POSSIBLE. VERIFY EXACT LOCATIONS AND DUCT MOUNTING HEIGHTS IN FIELD.

1 MAIN FLOOR NEW WORK MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
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MECHANICAL NEW WORK FLOOR PLAN

M2.0

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MECHANICAL SHEET NOTES

10 REMOVE EXISTING EXHAUST FAN SERVING ATTIC AND ASSOCIATED ROOF CAP. PROVIDE NEW FAN AND NEW ROOF CAP AT EXISTING OPENING. MODIFY OPENING FOR NEW FAN AND ROOF CAP. PROVIDE CONTROL BOX, THERMOSTAT/HUMIDISTAT, WIRING, AND ALL APPURTENANCES TO OPERATE THE NEW FAN. NEW FAN OPERATION SHALL MATCH EXISTING.

11 NEW AIR HANDLING UNIT IN ATTIC. PROVIDE REFRIGERANT COOLING COIL, GAS FURNACE, AND ELECTRIC REHEAT COIL. PROVIDE NEW HANGERS/VIBRATION ISOLATORS, AUXILIARY DRAIN PAIN W/ALARM, CONDENSATE PUMP, DUCTWORK, TRANSITIONS, FLEXIBLE CONNECTIONS, DUCT INSULATION, PIPING, PIPING INSULATION, CONTROLLERS, BALANCING DAMPERS, AND ALL OTHER OPTIONS AND ACCESSORIES REQUIRED TO OPERATE THE NEW AIR HANDLING UNIT IN ACCORDANCE WITH THEIR SEQUENCE OF OPERATIONS. FINAL LOCATION OF THE UNIT TO BE CONFIRMED IN FIELD TO COMPLY WITH MANUFACTURER'S RECOMMENDED SERVICE AND MAINTENANCE CLEARANCES. PROVIDE ACCESS PANELS/DOORS AS NEEDED. PROVIDE NEW WALK-WAY IN ATTIC TO SERVICE UNIT. VERIFY EXACT LOCATION IN FIELD WITH EXISTING ATTIC CONSTRUCTION. REFER TO ARCHITECTURAL PLANS FOR MOUNTING DETAILS.

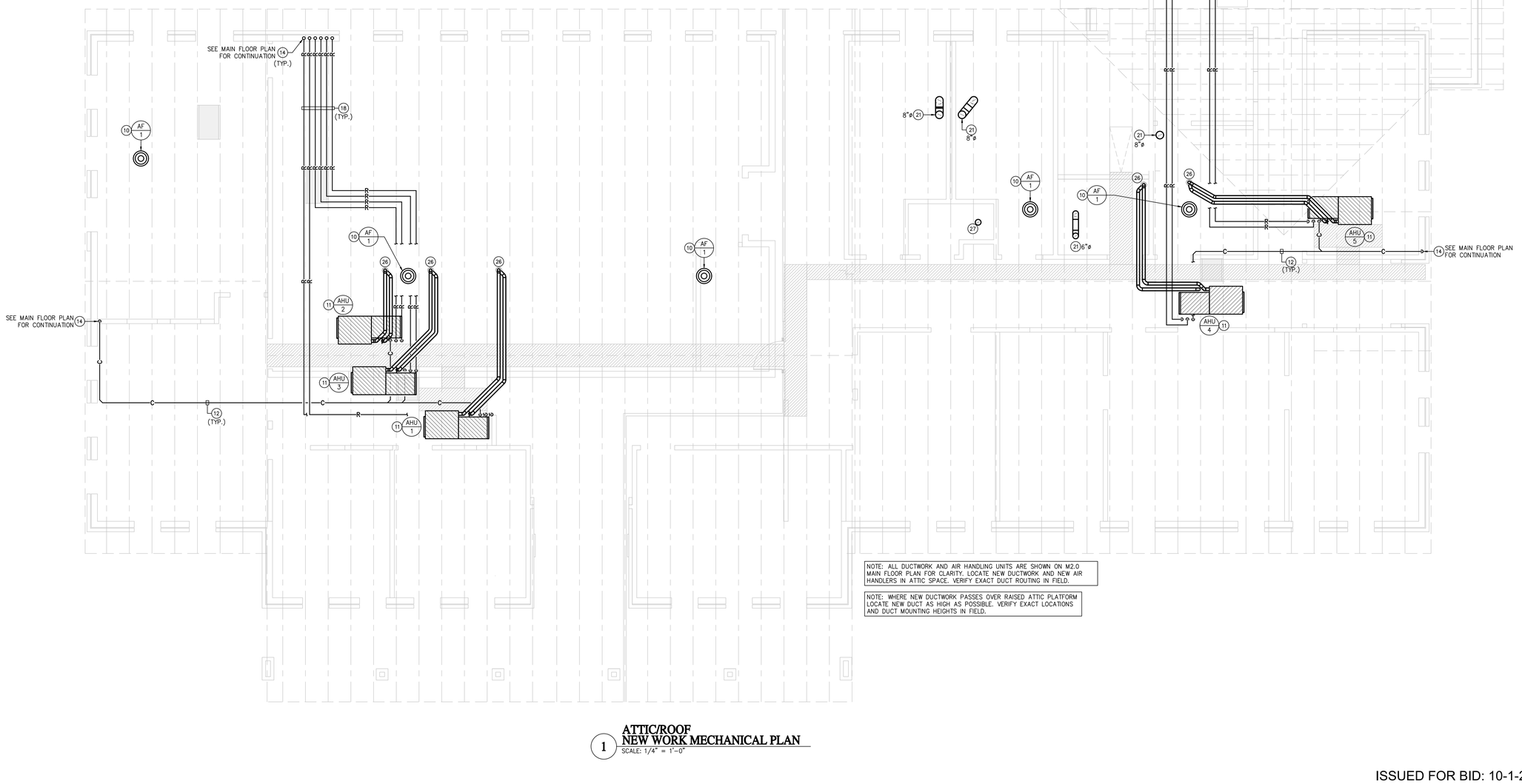
12 PROVIDE NEW CONDENSATE PIPING. CONDENSATE PIPING SHALL BE TYPE "L" COPPER AND INSULATED. SLOPE CONDENSATE PIPING IN THE DIRECTION OF FLOW IN ACCORDANCE WITH CODE. DISCHARGE CONDENSATE TO GRADE OR CODE APPROVED INDIRECT WASTER RECEPTOR. CONDENSATE PIPING SHALL BE ROUTED ABOVE CEILINGS OR CONCEALED IN PRE-MANUFACTURED PIPE CHASE/ENCLOSURE.

14 ROUTE NEW PIPING UP TO ATTIC IN CHASE AND/OR ENCLOSURE. PROVIDE NEW PRE-MANUFACTURED HORIZONTAL AND VERTICAL SHEET METAL ENCLOSURES FOR REFRIGERANT AND CONDENSATE PIPING. THERE SHALL BE NO EXPOSED PIPING IN THE OCCUPIED SPACES. VERIFY EXACT SIZE AND LOCATION OF ENCLOSURE IN FIELD TO ACCOMMODATE NEW PIPING AND INSULATION.

18 PROVIDE NEW REFRIGERANT PIPING, INSULATION AND ACCESSORIES ABOVE EXISTING CEILING AND/OR IN ATTIC. FIELD ROUTE REFRIGERANT PIPING TO AVOID INTERFERENCES. PIPE SIZES, ROUTINGS AND IN-LINE DEVICES SHALL BE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE LINE SET COVERS FOR REFRIGERANT PIPING INSTALLED OUTDOORS. PROVIDE NEW PIPE PENETRATION AND SEAL PENETRATION IN ACCORDANCE WITH APPLICABLE CODES. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

21 NEW DUCT UP THRU CEILING TO ATTIC SPACE. OFFSET IN ATTIC AND ROUTE THRU ROOF TO NEW ROOF CAP. VERIFY EXACT LOCATION IN FIELD. DUCT SIZE AS INDICATED. WHERE DUCT IS USING EXISTING ROOF OPENING, MODIFY EXISTING OPENING FOR NEW DUCT AND ROOF CAP.

26 CONNECT NEW 3" DIA. FLUE AND INTAKE TO NEW AIR HANDLING UNIT PER MANUFACTURER'S REQUIREMENTS. PROVIDE NEW 3" DIA. CONCENTRIC FLUE AND INTAKE UP THRU ROOF. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. VERIFY EXACT DUCT ROUTING IN AND ROOF PENETRATION LOCATION IN FIELD.



NOTE: ALL DUCTWORK AND AIR HANDLING UNITS ARE SHOWN ON M2.0 MAIN FLOOR PLAN FOR CLARITY. LOCATE NEW DUCTWORK AND NEW AIR HANDLERS IN ATTIC SPACE. VERIFY EXACT DUCT ROUTING IN FIELD.

NOTE: WHERE NEW DUCTWORK PASSES OVER RAISED ATTIC PLATFORM LOCATE NEW DUCT AS HIGH AS POSSIBLE. VERIFY EXACT LOCATIONS AND DUCT MOUNTING HEIGHTS IN FIELD.

1 ATTIC/ROOF NEW WORK MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

MULHERN and ASSOCIATES, Incorporated
321 South York Road
Hatboro, Pennsylvania 19040
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ALL NOTES ON PLANS MAY NOT BE ON THIS SHEET FOR ALL NOTES REFER TO NOTES ON M3.0

PRIOR TO BIDDING, MECHANICAL CONTRACTOR TO VISIT SITE PER SPECIFICATION 15010
ALL WORK NEW U.N.O.
ALL WORK BASE BID U.N.O.

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

MECHANICAL NEW WORK ATTIC/ROOF PLAN
M2.1

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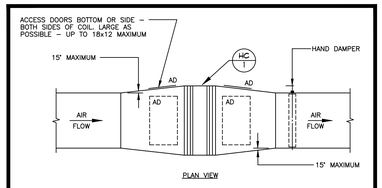
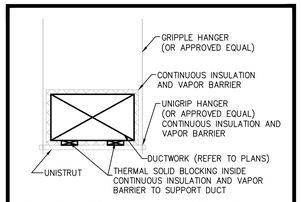


DETAIL - HEAT COIL IN DUCT

SCALE: NO SCALE



DUCT TAPE USED SHALL BE RATED FOR 200° F AND UL 1810–B COMPLIANT TO MAINTAIN CONTINUOUS VAPOR BARRIER.

DUCT SUPPORT DETAIL

SCALE: NO SCALE

INSULATION SHALL BE CONTINUOUS AND UNINTERRUPTED. HANGERS AND SUPPORT SHALL NOT PENETRATE INSULATION VAPOR BARRIER.

MECHANICAL SHEET NOTES

1 EXISTING TO BE REMOVED, ITEM AS INDICATED. REMOVE ALL SUPPORTS, APPURTENANCES, PIPE AND CONTROLS. REMOVE ALL PIPE TO POINT OF CONNECTION TO MAIN AND CAP MAIN OR TO BEHIND FINISHED SURFACES. PATCH AND RESTORE ALL EXISTING SURFACES TO MATCH EXISTING. REMOVE AND REPLACE EXISTING CEILINGS AS NEEDED TO COMPLETE DEMOLITION WORK. VERIFY ALL CONDITIONS IN FIELD, ITEM AS INDICATED.

2 EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION. VERIFY ALL EXISTING CONDITIONS IN FIELD, ITEM AS INDICATED.

3 REMOVE EXISTING AIR HANDLING UNIT IN BASEMENT OR ATTIC AND ALL ASSOCIATED DUCTWORK, FLUE, AIR DEVICES, CONTROL WIRING/DEVICES, PIPING AND ACCESSORIES.

4 REMOVE EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, ROOF/WALL CAP, WIRING AND CONTROLS. PATCH ROOF WHERE EXISTING OPENING IS NO LONGER BEING USED. REFER TO ARCHITECTURAL DETAILS.

5 REMOVE EXISTING DUCT THRU ROOF AND ASSOCIATED ROOF CAP. PATCH ROOF TO MATCH EXISTING, REFER TO ARCHITECTURAL DETAILS.

6 REMOVE EXISTING FLUE THRU ROOF. PATCH ROOF TO MATCH EXISTING, REFER TO ARCHITECTURAL DETAILS. REMOVE ALL BRANCH FLUES FROM AIR HANDLING UNITS.

7 REMOVE EXISTING LOUVER AND PROVIDE NEW LOUVER IN EXISTING OPENING. NEW LOUVER SIZE SHALL MATCH EXISTING. VERIFY EXACT LOCATION AND SIZE IN FIELD. PAINT COLOR SELECTED.

8 REMOVE EXISTING DUCT THRU FLOOR AND ASSOCIATED AIR DEVICE. PATCH FLOOR PER ARCHITECTURAL PLAN.

9 NOT USED.

10 REMOVE EXISTING EXHAUST FAN SERVING ATTIC AND ASSOCIATED ROOF CAP. PROVIDE NEW FAN AND NEW ROOF CAP AT EXISTING OPENING. MODIFY OPENING FOR NEW FAN AND ROOF CAP. PROVIDE CONTROL BOX, THERMOSTAT/HUMIDISTAT, WIRING, AND ALL APPURTENANCES TO OPERATE THE NEW FAN. NEW FAN OPERATION SHALL MATCH EXISTING.

11 NEW AIR HANDLING UNIT IN ATTIC. PROVIDE REFRIGERANT COOLING COIL, GAS FURNACE, AND ELECTRIC REHEAT COIL. PROVIDE NEW HANGERS/VIBRATION ISOLATORS, AUXILIARY DRAIN PAN W/ALARM, CONDENSATE PUMP, DUCTWORK, TRANSITIONS, FLEXIBLE CONNECTIONS, DUCT INSULATION, PIPING, PIPING INSULATION, CONTROLLERS, BALANCING DAMPERS, AND ALL OTHER OPTIONS AND ACCESSORIES REQUIRED TO OPERATE THE NEW AIR HANDLING UNIT IN ACCORDANCE WITH THEIR SEQUENCE OF OPERATIONS. FINAL LOCATION OF THE UNIT TO BE CONFIRMED IN FIELD TO COMPLY WITH MANUFACTURER'S RECOMMENDED SERVICE AND MAINTENANCE CLEARANCES. PROVIDE ACCESS PANELS/DOORS AS NEEDED. PROVIDE NEW WALK–WAY IN ATTIC TO SERVICE UNIT. VERIFY EXACT LOCATION IN FIELD WITH EXISTING ATTIC CONSTRUCTION. REFER TO ARCHITECTURAL PLANS FOR MOUNTING DETAILS.

12 PROVIDE NEW CONDENSATE PIPING. CONDENSATE PIPING SHALL BE TYPE "L" COPPER AND INSULATED. SLOPE CONDENSATE PIPING IN THE DIRECTION OF FLOW IN ACCORDANCE WITH CODE. DISCHARGE CONDENSATE TO GRADE OR CODE APPROVED INDIRECT WASTER RECEPTOR. CONDENSATE PIPING SHALL BE ROUTED ABOVE CEILINGS OR CONCEALED IN PRE–MANUFACTURED PIPE CHASE/ENCLOSURE.

13 PROVIDE NEW ELECTRIC BASEBOARD HEATER/CABINET UNIT HEATER WITH INTEGRAL THERMOSTAT, AND ENCLOSURE. PROVIDE WALL RECESS KIT FOR CABINET UNIT HEATERS. VERIFY EXACT LOCATION IN FIELD.

14 ROUTE NEW PIPING UP TO ATTIC IN CHASE AND/OR ENCLOSURE. PROVIDE NEW PRE–MANUFACTURED HORIZONTAL AND VERTICAL SHEET METAL ENCLOSURES FOR REFRIGERANT AND CONDENSATE PIPING. THERE SHALL BE NO EXPOSED PIPING IN THE OCCUPIED SPACES. VERIFY EXACT SIZE AND LOCATION OF ENCLOSURE IN FIELD TO ACCOMMODATE NEW PIPING AND INSULATION.

15 NEW THERMOSTAT AND/OR HUMIDISTAT AND CARBON DIOXIDE SENSORS. VERIFY EXACT LOCATION IN FIELD WITH EXISTING CONDITIONS. REMOVE EXISTING THERMOSTAT/SENSOR AND INSTALL NEW THERMOSTAT/SENSOR IN PLACE (IF APPLICABLE). NOTE – DO NOT USE EXISTING LOCATION IF HEAT GENERATING SOURCE, IE. COMPUTER MONITOR, ETC. IS NEARBY. VERIFY SENSOR LOCATION WITH OWNER.

16 NEW DUCTLESS SPLIT SYSTEM WALL MOUNTED UNIT. VERIFY EXACT LOCATION WITH FINAL IT LAYOUT. PROVIDE ALL HANGERS AND SUPPORTS. PROVIDE PRE–MANUFACTURED HORIZONTAL AND VERTICAL SHEET METAL ENCLOSURES FOR REFRIGERANT AND CONDENSATE PIPING. THERE SHALL BE NO EXPOSED PIPING. CONNECT PIPING PER MANUFACTURER'S EQUIPMENTS.

17 NEW CONDENSING UNIT ON NEW EQUIPMENT PAD AT GRADE. VERIFY EXACT LOCATION IN FIELD. MAINTAIN MANUFACTURERS' REQUIRED CLEARANCES.

18 PROVIDE NEW REFRIGERANT PIPING, INSULATION AND ACCESSORIES ABOVE EXISTING CEILING AND/OR IN ATTIC. FIELD ROUTE REFRIGERANT PIPING TO AVOID INTERFERENCES. PIPE SIZES, ROUTINGS AND IN–LINE DEVICES SHALL BE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE LINE SET COVERS FOR REFRIGERANT PIPING INSTALLED OUTDOORS. PROVIDE NEW PIPE PENETRATION AND SEAL PENETRATION IN ACCORDANCE WITH APPLICABLE CODES. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

19 PROVIDE NEW REFRIGERANT PIPING, INSULATION, PIPE SUPPORTS AND ACCESSORIES OUTDOORS. FIELD ROUTE REFRIGERANT PIPING TO AVOID INTERFERENCES. PIPE SIZES, ROUTINGS AND IN–LINE DEVICES SHALL BE AS RECOMMENDED BY THE MANUFACTURER. PROVIDE LINE SET COVERS FOR REFRIGERANT PIPING INSTALLED OUTDOORS. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

20 PROVIDE NEW ALUMINUM DRAINABLE LOUVER WITH INTEGRAL FLANGE AND INSECT SCREEN. PROVIDE NEW WALL OPENING AND LINTEL. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS. DUCT CONNECTED TO LOUVER SHALL BE FULL SIZE OF LOUVER.

21 NEW DUCT UP THRU CEILING TO ATTIC SPACE. OFFSET IN ATTIC AND ROUTE THRU ROOF TO NEW ROOF CAP. VERIFY EXACT LOCATION IN FIELD. DUCT SIZE AS INDICATED. WHERE DUCT IS USING EXISTING ROOF OPENING, MODIFY EXISTING OPENING FOR NEW DUCT AND ROOF CAP.

22 NEW CEILING–MOUNTED EXHAUST FAN, BACKDRAFT DAMPER, HANGERS, AND DUCTWORK. EXHAUST FAN TO BE INTERLOCKED WITH WALL MOUNTED TIMER SWITCH. VERIFY SWITCH LOCATION IN FIELD.

23 PROVIDE FIRE DAMPER WHERE DUCTWORK PENETRATES CORRIDOR CEILING FROM ATTIC SPACE.

24 NEW CEILING–MOUNTED EXHAUST FAN, BACKDRAFT DAMPER, HANGERS, AND DUCTWORK. EXHAUST FAN TO BE INTERLOCKED WITH ROOM LIGHT SWITCH.

25 PROVIDE TRANSFER WITH RETURN REGISTERS AS INDICATED AND FLEXIBLE DUCT CONNECTION, DUCT SIZE AS INDICATED.

26 CONNECT NEW 3" DIA. FLUE AND INTAKE TO NEW AIR HANDLING UNIT PER MANUFACTURER'S REQUIREMENTS. PROVIDE NEW 3" DIA. CONCENTRIC FLUE AND INTAKE UP THRU ROOF. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. VERIFY EXACT DUCT ROUTING IN AND ROOF PENETRATION LOCATION IN FIELD.

27 CONNECT NEW INTAKE/FLUE TO NEW DOMESTIC HOT WATER HEATER. ROUTE TO ATTIC AND THRU ROOF WITH CONCENTRIC VENT TERMINATION KIT. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

28 DISCHARGE CONDENSATE TO GRADE. VERIFY EXACT LOCATION IN FIELD.

29 ROUTE NEW DUCT IN ATTIC THRU EXISTING ROOF TO EXISTING ADDITION ATTIC SPACE. VERIFY EXACT LOCATION IN FIELD.

30 NEW 8"x3" DUCT DOWN IN STUD SPACE TO BASEMENT. PROVIDE NEW GRILLE IN WALL AT BASEMENT, SIZE AS INDICATED. VERIFY EXACT LOCATION IN FIELD.

MECHANICAL LEGEND

A/L	ACOUSTICALLY LINED	C	CONDENSATE PIPE
AP	ACCESS PANEL	HWS	HOT WATER HEATING SUPPLY (SYSTEM)
ACD	ACCESS DOOR	HWR	HOT WATER HEATING RETURN (SYSTEM)
ADR	AUTOMATIC DAMPER	CHWR	CHILLED WATER RETURN (SYSTEM)
BDD	BACK DRAFT DAMPER	CHWS	CHILLED WATER SUPPLY (SYSTEM)
BTJ	BETWEEN THE JOISTS	CWR	CONDENSER WATER RETURN
CS	CHILLED WATER SUPPLY	CWS	CONDENSER WATER SUPPLY
CR	CHILLED WATER RETURN	R	REFRIGERANT PIPE
CD	CEILING DIFFUSER		GATE VALVE
CU	CONDENSING UNIT		CHECK VALVE
DBR	DOWN BLOW REGISTER		RELIEF VALVE
DL	DOOR LOUVER		CONTROL VALVE
DN	DOWN		AUTOMATIC THREE–WAY VALVE
DX	DIRECT EXPANSION COIL		GLOBE VALVE
(E)	EXISTING		PRESSURE REDUCING VALVE
EF	EXHAUST FAN		AUTOMATIC TWO–WAY VALVE
EG	EXHAUST GRILLE		PLUG OR BALL VALVE
ER	EXHAUST REGISTER		BALANCING VALVE
FDR	FIRE DAMPER		STRAINER
FVAV	FAN POWERED VAV UNIT		UNION
GV	GATE VALVE	H	HUMIDISTAT
HR	HOT WATER HEATING RETURN	S	SWITCH
HS	HOT WATER HEATING SUPPLY	T	HEATING THERMOSTAT
LAD	LOUVER/AUTO DAMPER	T HC	HEATING & COOLING THERMOSTAT
LBD	LOUVER/BACKDRAFT DAMPER	T C	COOLING THERMOSTAT
LID	LINEAR DIFFUSER		THERMOMETER
LMD	LOUVER/MANUAL DAMPER		PRESSURE GAUGE W/GAUGE COCK
LVR	LOUVER	AAV	AUTOMATIC AIR VENT
MUA	MAKEUP AIR UNIT		FLEXIBLE CONNECTION
MVD	MANUAL VOLUME DAMPER		NEW CONNECTION TO EXISTING
OAI	OUTSIDE AIR INTAKE		POINT OF DEMOLITION
RG	RETURN GRILLE		DUCT REDUCER
RR	RETURN REGISTER		
SG	SUPPLY GRILLE		
SF	SUPPLY FAN		
SR	SUPPLY REGISTER		
SDR/FDR	SMOKE/FIRE DAMPER		
TF	TRANSFER FAN		
TWJ	THROUGH WEB OF JOIST		
TYP	TYPICAL (OF QUANTITY)		
UNO	UNLESS NOTED OTHERWISE		
VAV	VARIABLE AIR VOLUME TERMINAL UNIT		
VVT	VARIABLE AIR VOLUME TEMPERATURE UNIT		
WMS	WIRE MESH SCREEN		

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

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REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26–42
Date: 10–1–26
Scale: DO NOT SCALE

MECHANICAL LEGEND, NOTES, & DETAILS

M3.0

ISSUED FOR BID: 10-1-2026

AF-1 — AUTOMATIC POWER ATTIC ROOF VENTILATOR EXHAUST FAN
DAYTON MODEL 1ON202
1,500 CFM, 14½" ROOF OPENING, ⅜ HP
WITH THEROSTAT/HUMIDISAT, CONTROL BOX, AND ROOF CAP.

SPLIT SYSTEM (AHU) EQUIPMENT SCHEDULE

SYMBOL: AHU

TAG #	AREA(S) SERVED	ORIENTATION	SUPPLY AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	SUPPLY FAN		DX COOLING							GAS HEATING			BASIS OF DESIGN	NOTES
						E.S.P. (in WC)	DRIVE TYPE	E.D.B. (°F)	E.W.B. (°F)	L.D.B. (°F)	L.W.B. (°F)	TOTAL CAPACITY (TONS)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	INPUT CAP. (MBH)	E.A.T. (°F)	L.A.T. (°F)		
AHU-1	See Plans	Horizontal	1,200	170	1,030	1.00	ECM	78	67	57.0	56	3	36.2	24.5	60.0	60.8	105.0	CARRIER MODEL 59TP6C060/V17	1-6
AHU-2	Meeting Room 104	Horizontal	1,200	245	955	1.00	ECM	78	67	57.0	56	3	35.1	25.7	60.0	56.7	105.0	CARRIER MODEL 59TP6C060/V17	1-6
AHU-3	Meeting Room 104	Horizontal	1,200	245	955	1.00	ECM	78	66	57.0	56	3	35.1	25.7	60.0	56.7	105.0	CARRIER MODEL 59TP6C060/V17	1-6
AHU-4	See Plans	Horizontal	1,200	145	1,055	1.00	ECM	77	66	57.0	56	3	35.1	23.8	60.0	62.1	105.0	CARRIER MODEL 59TP6C060/V17	1-6
AHU-5	See Plans	Horizontal	1,200	110	1,090	1.00	ECM	77	66	57.0	56	3	35.1	23.2	60.0	64.0	105.0	CARRIER MODEL 59TP6C060/V17	1-6

REMARKS
1. PROVIDE UNITS WITH THE FOLLOWING COMPONENTS: ECM MOTOR, UNIT HANGERS, UL LISTED UNIT, FILTER RACK, GAS HEAT, DX COIL, REFRIGERANT SAFETIES, CONCENTRIC FLUE/INTAKE, FIELD FABRICATED MIXING BOX, AND ALL ACCESSORIES REQUIRED TO INSTALL AND OPERATE UNIT IN ACCORDANCE WITH THE SEQUENCE OF OPERATIONS. SEE DIVISION 15 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. PROVIDE UNIT CONTROLLER, THERMOSTAT/HUMIDISTAT, CARBON DIOXIDE SENSOR W/DEMAND CONTROL VENTILATION AND OUTSIDE AIR DAMPER. INTEGRATE UNIT CONTROLLER INTO BAS SYSTEM.
3. PROVIDE UNIT WITH ECM MOTOR AND SINGLE ZONE VAV OPERATION.
4. PROVIDE WITH MERV 13 FILTERS.
5. PROVIDE UNIT WITH DISCONNECT SWITCH. UNIT SHALL BE UL LISTED.
6. PROVIDE UNIT WITH CONDENSATE PUMP, AUXILIARY DRAIN PAN, AND CONDENSATE ALARM.

AIR DEVICE SCHEDULE

SYMBOL: CD

NO.	CD	SR	RR	LAD/ LBD/ LVR	REMARKS
1	12"x12" (FACE)/ 6" DIA. (NECK)	12"x6"	12"x12"	24"x24"	TITUS TMSAA-AA (CD), 300FL(SR), 50F (RR)
2	24"x24" (FACE)/ 6" DIA. (NECK)		18"x18"		TITUS TMSAA-AA (CD), 50F (RR)
3	24"x24" (FACE)/ 8" DIA. (NECK)		24"x24"		TITUS TMSAA-AA (CD), 50F (RR)
4	24"x24" (FACE)/ 10" DIA. (NECK)		12"x6"		TITUS TMSAA-AA (CD), 50F (RR)

REMARKS
1. COORDINATE COLOR & FINISH WITH ARCHITECT.
2. NC (NOISE CRITERIA) LEVEL MAY BE NO GREATER THAN 25.
3. PROVIDE WITH OPPOSED BLADE DAMPERS.
4. PROVIDE BORDER FLANGE FOR 50F RETURN AIR REGISTER SUITABLE FOR INSTALLATION IN A 2'x4' CEILING GRID.
5. PROVIDE NEW DIFFUSER/REGISTER. SIZE OF NEW CEILING DIFFUSER/REGISTER TO MATCH THE SIZE OF THE EXISTING CEILING DIFFUSER/REGISTER.

DUCT-MOUNTED ELECTRIC REHEAT COIL SCHEDULE

SYMBOL: EHC

TAG	EQUIPMENT SERVED	SUPPLY AIRLFLOW (CFM)	RETURN AIRFLOW (CFM)	MIN. OUTDOOR AIR (CFM)	ELECTRIC REHEAT COIL						BASIS OF DESIGN MANUF	REMARKS
					SIZE	AIR PD (IN WC)	TOTAL CAP. (MBH)	E.A.T. (°F)	L.A.T. (°F)	KW		
EHC-1	AHU-1	1200	1030	170	18"x16"	0.15	22.4	55.0	72.0	6.6	CARRIER	1,2,3
EHC-2	AHU-2	1200	955	245	18"x16"	0.15	22.4	55.0	72.0	6.6	CARRIER	1,2,3
EHC-3	AHU-3	1200	955	245	18"x16"	0.15	22.4	55.0	72.0	6.6	CARRIER	1,2,3
EHC-4	AHU-4	1200	1055	145	18"x16"	0.15	22.4	55.0	72.0	6.6	CARRIER	1,2,3
EHC-5	AHU-5	1200	1090	110	18"x16"	0.15	22.4	55.0	72.0	6.6	CARRIER	1,2,3

REMARKS
1. PROVIDE DUCT CONNECTIONS AND TRANSITIONS.
2. PROVIDE WITH DUCT-MOUNTED ACCESS DOOR UPSTREAM AND DOWNSTREAM OF THE HEATING COIL.
3. VERIFY FINAL SIZE WITH FINAL DUCT LAYOUT.

DUCTLESS SPLIT SYSTEM HEAT PUMP

SYMBOL: DSH / DCU

NO.	LOCATION	TYPE	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	AIRFLOW (CFM)	MANUF.	MODEL # CONDENSING UNIT	MODEL # FAN COIL UNIT	REMARKS
DSH-1/DCU-1	E-SPORTS LAB H-07	WALL MOUNTED	18,000	18,000	635	CARRIER	37MARAQ18	45MAHAQ0XA1	1-5

REMARKS
1. PROVIDE AUXILLIARY DRAIN PAN, CONDENSATE PUMP AND ALARM. INTERLOCK OPERATION OF CONDENSATE PUMP WITH DSH.
2. PROVIDE REFRIGERANT PIPING AND REFRIGERANT WITH REFRIGERANT LEAK DETECTION AND MITIGATION CONTROLS.
3. PROVIDE WITH SUPPORT/MOUNTING KIT.
4. PROVIDE WITH TEMPERATURE SENSOR AND HARD-WIRED SENSOR/CONTROLLER. INTEGRATE INTO THE HVAC CONTROL SYSTEM.
5. PROVIDE WITH LOW AMBIENT OPTION (100% CAPACITY AT 0 DEGF).

CONDENSING UNIT SCHEDULE

SYMBOL: CU

NO.	EQUIPMENT SERVED	COOLING			EFFICIENCY SEER2/EER2	APPROX. WEIGHT (LBS)	BASIS OF DESIGN	REMARKS
		TONS	MBH (TOTAL)	AMBIENT				
CU-1	AHU-1	3	36.0	95	16	285	CARRIER 26TPA836	1,2
CU-2	AHU-2	3	36.0	95	16	285	CARRIER 26TPA836	1,2
CU-3	AHU-3	3	36.0	95	16	285	CARRIER 26TPA836	1,2
CU-4	AHU-4	3	36.0	95	16	285	CARRIER 26TPA836	1,2
CU-5	AHU-5	3	36.0	95	16	285	CARRIER 26TPA836	1,2

REMARKS 1. PROVIDE CONDENSING UNITS WITH REFRIGERANT LINE FILTER-DRIER, EXTERNAL CRANKCASE SUMP HEAT, INTERNAL PRESSURE RELIEF VALVE, COMPRESSOR SOUND BLANKETS, LOW PRESSURE SWITCH, LIQUID & SUCTION LINE SERVICE VALVES, OUTSIDE PRESSURE TAPS, LOW AMBIENT COOLING (TO 0 DEG F), LONG LINE ACCESSORIES, AND REFRIGERANT CHARGE.
2. PROVIDE 2-STAGE CONDENSING UNITS OR VARIABLE SPEED COMPRESSOR FOR CAPACITY MODULATION

EXHAUST FAN SCHEDULE

SYMBOL: EF

TAG	NO.	LOCATION (DRAWING/ROOM)	TYPE	AIRFLOW (CFM	ESP (IN)	MHP OR WATTS (MIN)	SONES	BASIS OF DESIGN MANUF.	BASIS OF DESIGN MODEL	REMARKS
EF	1	Women's 114	Ceiling Centrifugal	200	0.5"	95 W	5.0	COOK	GC-188	1,2
EF	2	Men's 113	Ceiling Centrifugal	200	0.5"	95 W	5.0	COOK	GC-188	1,2
EF	3	Toilet 112	Ceiling Centrifugal	100	0.5"	45 W	2.5	COOK	GC-148	1,2
EF	4	Kitchenette 109	Ceiling Centrifugal	150	0.5"	70 W	3.5	COOK	GC-186	1,3

REMARKS
1. PROVIDE FAN WITH ECM MOTOR, MOTOR STARTER, PRE-WIRED SPEED CONTROL, VIBRATION ISOLATION HANGERS, AUTOMATIC BACKDRAFT DAMPER, AND GRILLE.
2. INTERLOCK FAN OPERATION WITH TOILET ROOM LIGHT SWITCH. VERIFY SWITCH LOCATION IN FIELD.
3. INTERLOCK FAN OPERATION WITH 0-2 HOUR TIMER SWITCH. VERIFY SWITCH LOCATION IN FIELD.

ELECTRIC BASEBOARD RADIATION SCHEDULE

SYMBOL: EB

NO.	LENGTH (FT)	WATTS	BTUH	BASIS OF DESIGN	REMARKS
EB-1	48"	1000	3413	QMARK 2500 SERIES	1
EB-2	24"	400	1365	QMARK 2500 SERIES	1

REMARKS 1. PROVIDE WITH INTEGRAL THERMOSTAT AND MOUNTING ACCESSORIES

ELECTRIC UNIT HEATER SCHEDULE

SYMBOL: EUH

NO.	LOCATION (Drawing/Room)	TYPE	CFM	KW	BTUH	MANUF.	MODEL	REMARKS
EUH-1	SEE PLANS	WALL RECESSED	300	3	10239	BERKO	FRC3027	1

REMARKS:
1. PROVIDE UNIT WITH HANGING KIT, THERMOSTAT W/TAMPER RESISTANT GUARD, AND MANUAL ON/OFF SWITCH.

VENTILATION SCHEDULE

ROOM NAME	EQUIPMENT TAG NUMBER	APPROX. AREA (SF)	OCCUPANT DENSITY # PEOPLE/ 1000 SF	NUMBER OF PEOPLE & / OR FIXTURES	VENTILATION AIR REQUIREMENTS (ASHRAE 62, INTERNATIONAL MECH CODE 2021)											OUTDOOR AIR	EXHAUST AIR	RETURN AIR	SUPPLY AIR
					PEOPLE OUTDOOR AIRFLOW RATE R_P	TOTAL PEOPLE OUTDOOR AIRFLOW (CFM)	AREA OUTDOOR AIRFLOW RATE R_A	TOTAL AREA OUTDOOR AIRFLOW (CFM)	BREATHING ZONE OUTDOOR AIRFLOW (CFM) V_{Bz}	ZONE AIR DISTRIBUTION EFFECTIVENESS (COOLING) E_Z	ZONE AIR DISTRIBUTION EFFECTIVENESS (HEATING) E_Z	ZONE OUTDOOR AIRFLOW (CFM) V_{OZ}	PRIMARY OUTDOOR AIR FRACTION Z_P	EXHAUST AIRFLOW RATE	TOTAL EXHAUST AIRFLOW (CFM)	CORRECTED DESIGN TOTAL (CFM) V_{OT}	DESIGN TOTAL (CFM)	DESIGN TOTAL (CFM)	DESIGN TOTAL MAX/MIN (CFM)
Vestiuble 001	AHU-1	55	N/A	N/A	N/A	0	0.06 CFM/SQ.FT.	3	3	1.0	1.0	3	1.0	N/A	0	5	0	15	20
CMFO 100		150	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	9	14	1.0	1.0	14	1.0	N/A	0	15	0	100	115
Office 101		135	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	8	13	1.0	1.0	13	1.0	N/A	0	15	0	90	105
B. Admin. 102		270	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	16	21	1.0	1.0	21	1.0	N/A	0	25	0	315	340
Council 103		355	50	10 PEOPLE	5 CFM/PERSON	50	0.06 CFM/SQ.FT.	21	71	1.0	1.0	71	1.0	N/A	0	75	0	325	400
Vestibule 002		40	N/A	N/A	N/A	0	0.06 CFM/SQ.FT.	2	2	1.0	1.0	2	1.0	N/A	0	5	0	15	20
Corridor 005 & 004		490	N/A	N/A	N/A	0	0.06 CFM/SQ.FT.	29	29	1.0	1.0	29	1.0	N/A	0	30	0	170	200
																170			**1,200**
Meeting Room 104	AHU-2 & AHU-3	1185	50	80 PEOPLE	5 CFM/PERSON	400	0.06 CFM/SQ.FT.	71	471	1.0	1.0	471	1.0	N/A	0	475	0	1,865	2,340
Storage 104A		65	N/A	N/A	N/A	0	0.12 CFM/SQ.FT.	8	8	1.0	1.0	8	1.0	N/A	0	10	0	50	60
																485			**2,400**
Conference 105	AHU-4	235	5	7 PEOPLE	5 CFM/PERSON	35	0.06 CFM/SQ.FT.	14	49	1.0	1.0	49	1.0	N/A	0	50	0	165	215
Municipal Clerk 106		202	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	12	17	1.0	1.0	17	1.0	N/A	0	20	0	220	240
Planning/Zoning Construction 107		260	5	2 PEOPLE	5 CFM/PERSON	10	0.06 CFM/SQ.FT.	16	26	1.0	1.0	26	1.0	N/A	0	30	0	255	285
File Storage 107A		151	N/A	N/A	N/A	0	0.12 CFM/SQ.FT.	18	18	1.0	1.0	18	1.0	N/A	0	20	0	105	125
Code Official 107B		190	5	2 PEOPLE	5 CFM/PERSON	10	0.06 CFM/SQ.FT.	11	21	1.0	1.0	21	1.0	N/A	0	25	0	310	335
																145			**1,200**
Tax Assessor 108	AHU-5	185	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	11	16	1.0	1.0	16	1.0	N/A	0	20	0	200	220
Kitchenette 109		100	50	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	6	11	1.0	1.0	11	1.0	N/A	0	15	0	55	70
Storage 110		60	N/A	N/A	N/A	0	0.12 CFM/SQ.FT.	7	7	1.0	1.0	7	1.0	N/A	0	10	0	35	45
Utility 111		95	N/A	N/A	N/A	0	0.12 CFM/SQ.FT.	11	11	1.0	1.0	11	1.0	N/A	0	15	0	60	75
Toilet 112		54	N/A	1 FIXTURES	N/A	N/A	N/A	N/A	N/A	1.0	0.8	N/A	1.0	70 CFM/FIXTURE	70	0	100	0	0
Men's 113		145	N/A	2 FIXTURES	N/A	N/A	N/A	N/A	N/A	1.0	0.8	N/A	1.0	70 CFM/FIXTURE	140	0	200	100	100
Women's 114		145	N/A	2 FIXTURES	N/A	N/A	N/A	N/A	N/A	1.0	0.8	N/A	1.0	70 CFM/FIXTURE	140	0	0	100	100
Stair 116		95	N/A	N/A	N/A	0	0.06 CFM/SQ.FT.	6	6	1.0	1.0	6	1.0	N/A	0	10	0	10	20
Mailroom 117		50	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	3	8	1.0	1.0	8	1.0	N/A	0	10	0	40	50
Tax Office 119		535	5	1 PEOPLE	5 CFM/PERSON	5	0.06 CFM/SQ.FT.	0	5	1.0	1.0	5	N/A	N/A	0	5	0	415	420
Corridor 004		395	N/A	N/A	N/A	0	0.06 CFM/SQ.FT.	24	24	1.0	1.0	24	1.0	N/A	0	25	0	75	100
																110.00			**1200.00**

ISSUED FOR BID: 10-1-2026

MULHERN and ASSOCIATES, Incorporated
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Hatboro, Pennsylvania 19040
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Fax: (215) 293-9214

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PRIOR TO BIDDING, MECHANICAL CONTRACTOR TO VISIT SITE PER SPECIFICATION 15010
ALL WORK NEW U.N.O.
ALL WORK BASE BID U.N.O.

GARRISON ARCHITECTS
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713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

MECHANICAL SCHEDULES

M3.1

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PLUMBING SHEET NOTES

1 REMOVE EXISTING PLUMBING FIXTURE, TYPE AS INDICATED. REMOVE ALL ASSOCIATED PIPING BACK TO MAIN. PATCH DISTURBED SURFACES TO MATCH EXISTING.

2 REMOVE EXISTING SUMP PUMP, ASSOCIATED VENT AND SANITARY PIPING UP TO AND IN ATTIC, AND ALL APPURTENANCES.

3 EXISTING SUMP PUMP TO REMAIN. PROTECT DURING CONSTRUCTION.

4 REMOVE EXISTING DOMESTIC HOT WATER HEATER, ASSOCIATED PIPING, AND ALL APPURTENANCES.

5 EXISTING DOMESTIC WATER SERVICE TO REMAIN. PROTECT DURING CONSTRUCTION. ASSOCIATED LIMITED AREA SPRINKLER PIPING TO REMAIN. PROVIDE NEW INSULATION ON EXISTING PIPING TO REMAIN. VERIFY EXACT LOCATION IN FIELD.

6 REMOVE EXISTING DOMESTIC WATER PIPING. VERIFY EXACT LOCATION IN FIELD.

7 REMOVE EXISTING SANITARY PIPING BELOW GRADE. VERIFY EXACT LOCATION IN FIELD.

8 REMOVE EXISTING VENT PIPE THROUGH EXISTING ROOF. MODIFY EXISTING OPENING FOR NEW VENT PIPE.

9 EXISTING GAS METER TO REMAIN. PROTECT DURING CONSTRUCTION.

10 REMOVE EXISTING GAS PIPING IN ATTIC. VERIFY EXACT LOCATION IN FIELD.

11 REMOVE EXISTING OUTDOOR GAS PIPING AND ENCLOSURE. VERIFY EXACT LOCATION IN FIELD.

12 REMOVE EXISTING GAS PIPING TO EXISTING AIR HANDLING UNIT BEING REMOVED IN ATTIC.

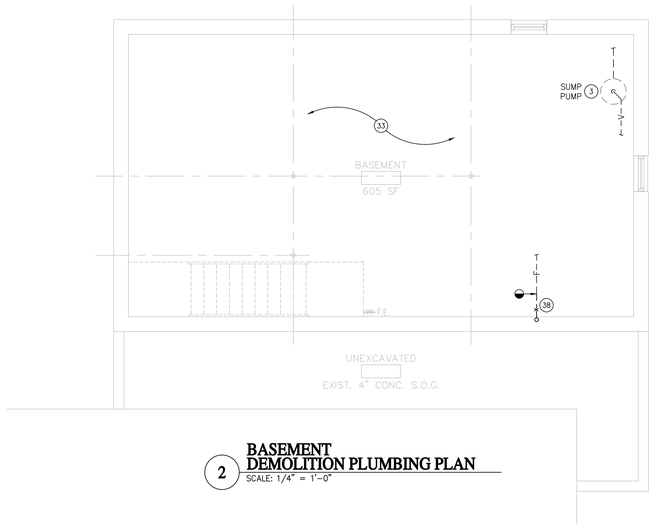
33 EXISTING LIMITED AREA SPRINKLER PIPE TO REMAIN. MODIFY AND EXTEND PIPING AND HEAD LAYOUT FOR NEW ARCHITECTURAL AND LIGHTING LAYOUT. MAINTAIN EXISTING SPRINKLER AREA COVERAGE.

34 EXISTING SANITARY PIPE TO REMAIN. PROTECT DURING CONSTRUCTION. VERIFY EXACT LOCATION AND DEPTH IN FIELD.

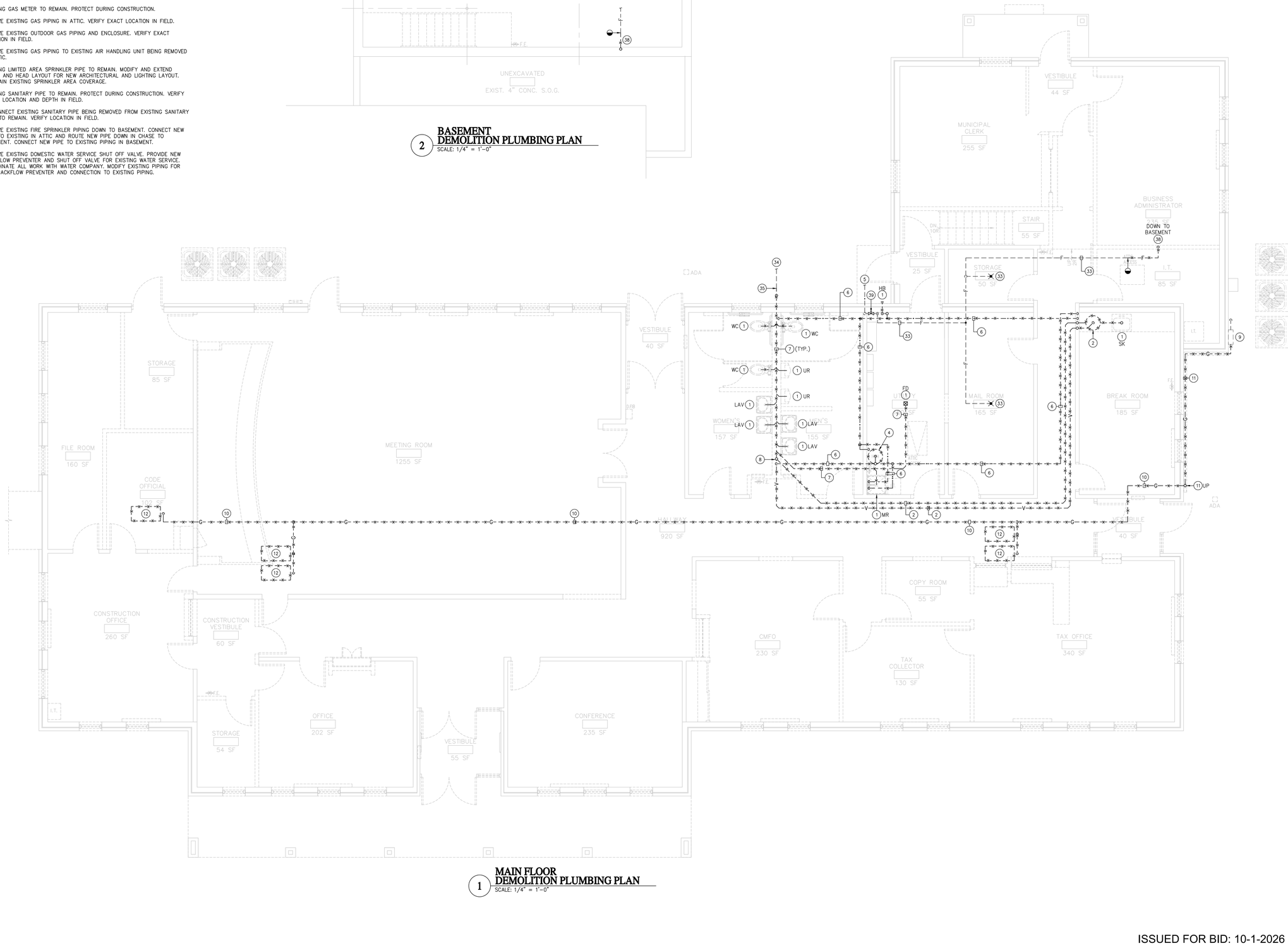
35 DISCONNECT EXISTING SANITARY PIPE BEING REMOVED FROM EXISTING SANITARY MAIN TO REMAIN. VERIFY LOCATION IN FIELD.

38 REMOVE EXISTING FIRE SPRINKLER PIPING DOWN TO BASEMENT. CONNECT NEW PIPE TO EXISTING IN ATTIC AND ROUTE NEW PIPE DOWN IN CHASE TO BASEMENT. CONNECT NEW PIPE TO EXISTING PIPING IN BASEMENT.

39 REMOVE EXISTING DOMESTIC WATER SERVICE SHUT OFF VALVE. PROVIDE NEW BACKFLOW PREVENTER AND SHUT OFF VALVE FOR EXISTING WATER SERVICE. COORDINATE ALL WORK WITH WATER COMPANY. MODIFY EXISTING PIPING FOR NEW BACKFLOW PREVENTER AND CONNECTION TO EXISTING PIPING.



2 **BASEMENT DEMOLITION PLUMBING PLAN**
SCALE: 1/4" = 1'-0"



1 **MAIN FLOOR DEMOLITION PLUMBING PLAN**
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

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FOR RISER DIAGRAMS SEE SHEET P3.0

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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

PLUMBING DEMOLITION FLOOR PLAN

P1.0

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ALL WORK NEW U.N.O.
ALL WORK BASE BID U.N.O.
FOR RISER DIAGRAMS SEE SHEET P3.0

PLUMBING SHEET NOTES

13 NEW PLUMBING FIXTURE. TYPE AS INDICATED.

14 CONNECT NEW DOMESTIC WATER PIPE TO EXISTING. VERIFY EXACT POINT OF CONNECTION IN FIELD. REPAIR INSULATION. PROVIDE NEW SHUT OFF VALVES AT ALL NEW CONNECTIONS.

15 NEW DOMESTIC WATER ABOVE CEILING OR IN ATTIC. VERIFY EXACT ROUTE IN FIELD.

16 ROUTE NEW DOMESTIC WATER PIPE DOWN IN CHASE OR PARTITION WALL FOR CONNECTIONS TO NEW PLUMBING FIXTURES. REFER TO DOMESTIC WATER RISER DIAGRAM.

17 NEW DOMESTIC HOT WATER HEATER, REFER TO DETAIL. INSTALL IN ACCORDANCE WITH MANUFACTURE'S REQUIREMENTS. PROVIDE CONDENSATE NEUTRALIZATION KIT AND ROUTE PIPE TO NEAREST FLOOR DRAIN. ROUTE PIPE TO AVOID TRIPPING HAZARD

19 NEW SANITARY PIPING BELOW GRADE. VERIFY EXACT ROUTE IN FIELD.

21 ROUTE NEW VENT PIPE, SIZE AS INDICATED, THRU EXISTING ROOF OPENING. MODIFY OPENING FOR NEW VENT PIPE.

22 CONNECT NEW GAS PIPE TO EXISTING GAS SERVICE. COORDINATE ALL WORK WITH GAS COMPANY.

23 ROUTE NEW GAS PIPE THRU EXTERIOR WALL. VERIFY EXACT LOCATION IN FIELD. COORDINATE LOCATION WITH FINAL IT ROOM LAYOUT.

24 NEW GAS PIPE UP TO ATTIC IN NEW PAINTED SHEET METAL ENCLOSURE. NO EXPOSED PIPING IN SPACE.

25 NEW GAS PIPE IN ATTIC. VERIFY EXACT ROUTE IN FIELD.

26 CONNECT NEW GAS PIPE TO NEW AIR HANDLING UNIT WITH 6" DIRT LEG AND GAS SHUT-OFF. CONNECT PER MANUFACTURER REQUIREMENTS.

28 ROUTE NEW GAS PIPE UNDERGROUND TO EMERGENCY GENERATOR. ROUTE PIPE PER GAS COMPANY REQUIREMENTS. VERIFY EXACT ROUTE IN FIELD AND COORDINATE WITH SITE WORK AND EXISTING SITE UTILITIES.

29 PROVIDE GAS CONNECTION TO EMERGENCY GENERATOR WITH DIRT LEG AND GAS COCK AND PRESSURE REGULATOR (FREEZE-PROOF). COORDINATE REGULATOR SELECTION WITH FINAL GENERATOR SELECTION.

30 PROVIDE GAS REGULATOR SUITABLE FOR OUTDOOR USE. GAS REGULATOR IN ACCORDANCE WITH GAS COMPANY REQUIREMENTS.

31 NEW GAS PIPE DOWN THRU CEILING TO HOT WATER HEATER WITH 6" DIRT LEG AND GAS SHUT-OFF. CONNECT PER MANUFACTURER REQUIREMENTS.

32 SANITARY MAIN WITH 2-WAY CLEAN OUT. CONNECT NEW SANITARY PIPE TO EXISTING SANITARY PIPE. VERIFY EXISTING SANITARY PIPE DEPTH IN FIELD.

33 EXISTING LIMITED AREA SPRINKLER PIPE TO REMAIN. MODIFY AND EXTEND PIPING AND HEAD LAYOUT FOR NEW ARCHITECTURAL AND LIGHTING LAYOUT. MAINTAIN EXISTING SPRINKLER AREA COVERAGE.

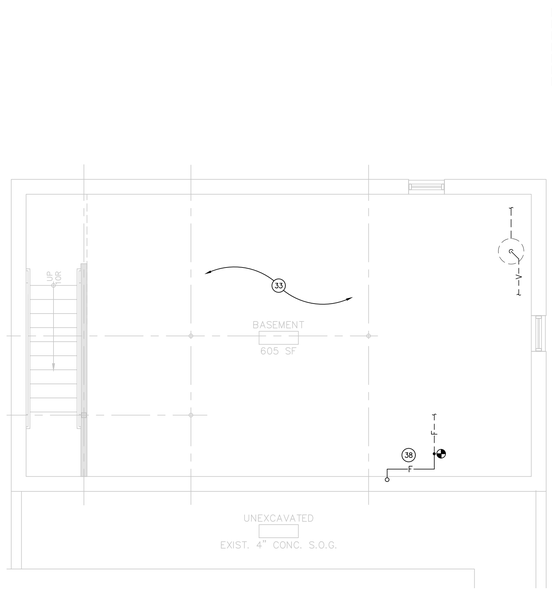
36 ROUTE NEW PIPE THRU WALL TO NEW WALL HYDRANT. VERIFY EXACT LOCATION IN FIELD.

37 NEW EMERGENCY GENERATOR. REFER TO ELECTRICAL PLANS.

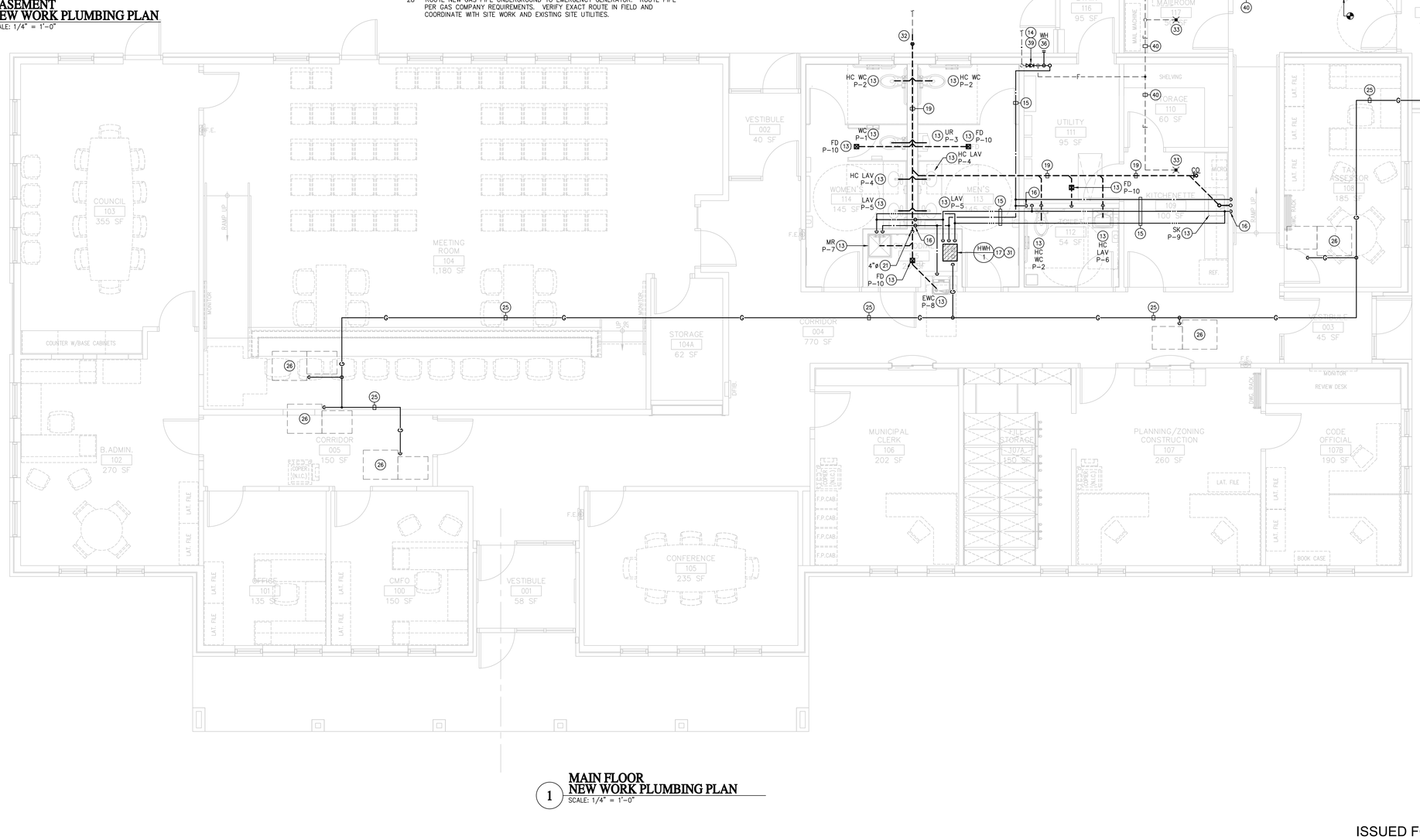
38 REMOVE EXISTING FIRE SPRINKLER PIPING DOWN TO BASEMENT. CONNECT NEW PIPE TO EXISTING IN ATTIC AND ROUTE NEW PIPE DOWN IN CHASE TO BASEMENT. CONNECT NEW PIPE DOWN IN CHASE TO EXISTING PIPING IN BASEMENT.

39 REMOVE EXISTING DOMESTIC WATER SERVICE SHUT OFF VALVE. PROVIDE NEW BACKFLOW PREVENTER AND SHUT OFF VALVE FOR EXISTING WATER SERVICE. COORDINATE ALL WORK WITH WATER COMPANY. MODIFY EXISTING PIPING FOR NEW BACKFLOW PREVENTER AND CONNECTION TO EXISTING PIPING.

40 PROVIDE NEW 2" THICK INSULATION ON EXISTING SPRINKLER LINE IN ATTIC.



2 BASEMENT NEW WORK PLUMBING PLAN
SCALE: 1/4" = 1'-0"



1 MAIN FLOOR NEW WORK PLUMBING PLAN
SCALE: 1/4" = 1'-0"

ISSUED FOR BID: 10-1-2026

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PLUMBING NEW WORK FLOOR PLAN

P2.0

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PLUMBING FIXTURE CONNECTION SCHEDULE

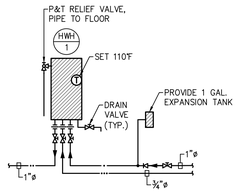
FIXTURE TYPE	ABBREV.	DRAINAGE FIXTURE VALUE	WATER SUPPLY FIXTURE VALUE	CONNECTION SIZES (MIN) TRAP (SAN)	VENT	HW	CW	REMARKS
FLOOR DRAIN	FD	0	--	4	2	--	--	DEEP SEAL TRAP W/QUAD TRAP SEAL DEVICE
ELEC. WATER COOLER	EWC	1	0.5	1 1/4	1 1/4	--	1/2	SEE SPECIFCATIONS FOR DETAILS
LAVATORY	LAV	1	1	1 1/2	1 1/2	1/2	1/2	SEE SPECIFCATIONS FOR DETAILS
SINK	S	2	1.5	1 1/2	1 1/2	3/4	3/4	SEE SPECIFCATIONS FOR DETAILS
MOP SERVICE BASIN	MSB	5	3	3	1 1/2	3/4	3/4	SEE SPECIFCATIONS FOR DETAILS
URINAL	UR	4	4	3	1 1/2	--	1	SEE SPECIFCATIONS FOR DETAILS
WATER CLOSET	HC WC/WC	4	5	3	1 1/2	--	1 1/2	SEE SPECIFCATIONS FOR DETAILS

DOMESTIC HOT WATER HEATER - TANKLESS GAS FIRED

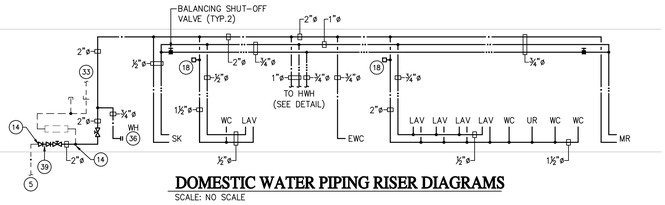
SYMBOL: HWH

TAG	LOCATION	SERVING	INPUT (MBH)	COLD WATER INLET (in.)	HOT WATER OUTLET (in.)	HOT WATER RET. INLET (in.)	MANUF. & MODEL NUMBER	REMARKS
HWH-1	Custodial 115	General Fixtures	199	3/4"	3/4"	3/4"	BRADFORD WHITE RTG-R-199-N1	1,2,3

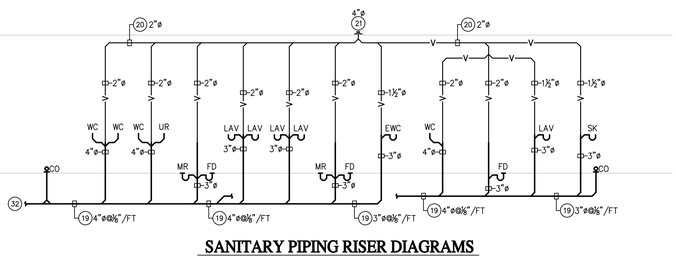
REMARKS
1. PROVIDE WITH BUILT-IN RECIRCULATION PUMP (EXTERNAL MODE), OUTDOOR VENT KIT, STAINLESS STEEL HEAT EXCHANGER, CONCENTRIC VENT TERMINATION KIT, EXPANSION TANK, AND CONDENSATE NEUTRALIZER KIT.
2. PROVIDE ELECTRONICALLY ADJUSTABLE THERMOSTAT, IMMERSION THERMOSTAT, AND HIGH TEMP. LIMIT.
3. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIRED CLEARANCES.



DOMESTIC HOT WATER HEATER DETAIL
SCALE: NO SCALE

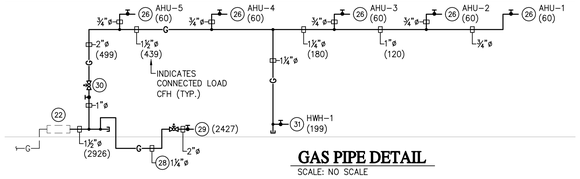


DOMESTIC WATER PIPING RISER DIAGRAMS
SCALE: NO SCALE



SANITARY PIPING RISER DIAGRAMS
SCALE: NO SCALE

CONTRACTOR TO VERIFY EXISTING MAIN LOCATION AND DEPTH FOR NEW CONNECTION. COORDINATE DEPTH WITH NEW SANITARY PIPING DEPTH AND SLOPE IN FIELD.



GAS PIPE DETAIL
SCALE: NO SCALE

GAS PIPING UPSTREAM OF GAS PRESSURE REGULATORS BASED ON INITIAL PRESSURE OF 2 PSI WITH 1 PSI PRESSURE DROP AND 150' TOTAL DEVELOPED LENGTH (TABLE 402.4(5) INTERNATIONAL FUEL GAS CODE).

GAS PIPING DOWNSTREAM OF GAS PRESSURE REGULATORS:

SERVING EMERGENCY GENERATOR BASED ON INITIAL PRESSURE OF LESS THAN 2 PSI WITH 0.5" W.C. PRESSURE DROP AND 20' TOTAL DEVELOPED LENGTH (TABLE 402.4(2) INTERNATIONAL FUEL GAS CODE).

SERVING AIR HANDLERS AND HOT WATER HEATER BASED ON INITIAL PRESSURE OF LESS THAN 2 PSI WITH 0.5" W.C. PRESSURE DROP AND 150' TOTAL DEVELOPED LENGTH (TABLE 402.4(2) INTERNATIONAL FUEL GAS CODE).

ALL GAS PRESSURE REGULATORS PER GAS COMPANY REQUIREMENTS.

PLUMBING SHEET NOTES

1 REMOVE EXISTING PLUMBING FIXTURE, TYPE AS INDICATED. REMOVE ALL ASSOCIATED PIPING BACK TO MAIN. PATCH DISTURBED SURFACES TO MATCH EXISTING.

2 REMOVE EXISTING SUMP PUMP, ASSOCIATED VENT AND SANITARY PIPING UP TO AND IN ATTIC, AND ALL APPURTENANCES.

3 EXISTING SUMP PUMP TO REMAIN. PROTECT DURING CONSTRUCTION.

4 REMOVE EXISTING DOMESTIC HOT WATER HEATER, ASSOCIATED PIPING, AND ALL APPURTENANCES.

5 EXISTING DOMESTIC WATER SERVICE TO REMAIN. PROTECT DURING CONSTRUCTION. ASSOCIATED LIMITED AREA SPRINKLER PIPING TO REMAIN. PROVIDE NEW INSULATION ON EXISTING PIPING TO REMAIN. VERIFY EXACT LOCATION IN FIELD.

6 REMOVE EXISTING DOMESTIC WATER PIPING. VERIFY EXACT LOCATION IN FIELD.

7 REMOVE EXISTING SANITARY PIPING BELOW GRADE. VERIFY EXACT LOCATION IN FIELD.

8 REMOVE EXISTING VENT PIPE THROUGH EXISTING ROOF. MODIFY EXISTING OPENING FOR NEW VENT PIPE.

9 EXISTING GAS METER TO REMAIN. PROTECT DURING CONSTRUCTION.

10 REMOVE EXISTING GAS PIPING IN ATTIC. VERIFY EXACT LOCATION IN FIELD.

11 REMOVE EXISTING OUTDOOR GAS PIPING AND ENCLOSURE. VERIFY EXACT LOCATION IN FIELD.

12 REMOVE EXISTING GAS PIPING TO EXISTING AIR HANDLING UNIT BEING REMOVED IN ATTIC.

13 NEW PLUMBING FIXTURE. TYPE AS INDICATED.

14 CONNECT NEW DOMESTIC WATER PIPE TO EXISTING. VERIFY EXACT POINT OF CONNECTION IN FIELD. REPAIR INSULATION. PROVIDE NEW SHUT OFF VALVES AT ALL NEW CONNECTIONS.

15 NEW DOMESTIC WATER ABOVE CEILING OR IN ATTIC. VERIFY EXACT ROUTE IN FIELD.

16 ROUTE NEW DOMESTIC WATER PIPE DOWN IN CHASE OR PARTITION WALL FOR CONNECTIONS TO NEW PLUMBING FIXTURES. REFER TO DOMESTIC WATER RISER DIAGRAM.

17 NEW DOMESTIC HOT WATER HEATER, REFER TO DETAIL. INSTALL IN ACCORDANCE WITH MANUFACTURE'S REQUIREMENTS. PROVIDE CONDENSATE NEUTRALIZATION KIT AND ROUTE PIPE TO NEAREST FLOOR DRAIN. ROUTE PIPE TO AVOID TRIPPING HAZARD

18 PROVIDE SHOCK ABSORBER ABOVE CEILING WITH ACCESS PANEL.

19 NEW SANITARY PIPING BELOW GRADE. VERIFY EXACT ROUTE IN FIELD.

20 NEW VENT PIPE ABOVE CEILING OR IN ATTIC. VERIFY EXACT ROUTE IN FIELD.

21 ROUTE NEW VENT PIPE, SIZE AS INDICATED, THRU EXISTING ROOF OPENING. MODIFY OPENING FOR NEW VENT PIPE.

22 CONNECT NEW GAS PIPE TO EXISTING GAS SERVICE. COORDINATE ALL WORK WITH GAS COMPANY.

23 ROUTE NEW GAS PIPE THRU EXTERIOR WALL. VERIFY EXACT LOCATION IN FIELD. COORDINATE LOCATION WITH FINAL IT ROOM LAYOUT.

24 NEW GAS PIPE UP TO ATTIC IN NEW PAINTED SHEET METAL ENCLOSURE. NO EXPOSED PIPING IN SPACE.

25 NEW GAS PIPE IN ATTIC. VERIFY EXACT ROUTE IN FIELD.

26 CONNECT NEW GAS PIPE TO NEW AIR HANDLING UNIT WITH 6" DIRT LEG AND GAS SHUT-OFF. CONNECT PER MANUFACTURER REQUIREMENTS.

27 NOT USED.

28 ROUTE NEW GAS PIPE UNDERGROUND TO EMERGENCY GENERATOR. ROUTE PIPE PER GAS COMPANY REQUIREMENTS. VERIFY EXACT ROUTE IN FIELD AND COORDINATE WITH SITE WORK AND EXISTING SITE UTILITIES.

29 PROVIDE GAS CONNECTION TO EMERGENCY GENERATOR WITH DIRT LEG AND GAS COCK AND PRESSURE REGULATOR (FREEZE-PROOF). COORDINATE REGULATOR SELECTION WITH FINAL GENERATOR SELECTION.

30 PROVIDE GAS REGULATOR SUITABLE FOR OUTDOOR USE. GAS REGULATOR IN ACCORDANCE WITH GAS COMPANY REQUIREMENTS.

31 NEW GAS PIPE DOWN THRU CEILING TO HOT WATER HEATER WITH 6" DIRT LEG AND GAS SHUT-OFF. CONNECT PER MANUFACTURER REQUIREMENTS.

32 SANITARY MAIN WITH 2-WAY CLEAN OUT. CONNECT NEW SANITARY PIPE TO EXISTING SANITARY PIPE. VERIFY EXISTING SANITARY PIPE DEPTH IN FIELD.

33 EXISTING LIMITED AREA SPRINKLER PIPE TO REMAIN. MODIFY AND EXTEND PIPING AND HEAD LAYOUT FOR NEW ARCHITECTURAL AND LIGHTING LAYOUT. MAINTAIN EXISTING SPRINKLER AREA COVERAGE.

34 EXISTING SANITARY PIPE TO REMAIN. PROTECT DURING CONSTRUCTION. VERIFY EXACT LOCATION AND DEPTH IN FIELD.

35 DISCONNECT EXISTING SANITARY PIPE BEING REMOVED FROM EXISTING SANITARY MAIN TO REMAIN. VERIFY LOCATION IN FIELD.

36 ROUTE NEW PIPE THRU WALL TO NEW WALL HYDRANT. VERIFY EXACT LOCATION IN FIELD.

37 NEW EMERGENCY GENERATOR. REFER TO ELECTRICAL PLANS.

38 REMOVE EXISTING FIRE SPRINKLER PIPING DOWN TO BASEMENT. CONNECT NEW PIPE TO EXISTING IN ATTIC AND ROUTE NEW PIPE DOWN IN CHASE TO BASEMENT. CONNECT NEW PIPE TO EXISTING PIPING IN BASEMENT.

39 REMOVE EXISTING DOMESTIC WATER SERVICE SHUT OFF VALVE. PROVIDE NEW BACKFLOW PREVENTER AND SHUT OFF VALVE FOR EXISTING WATER SERVICE. COORDINATE ALL WORK WITH WATER COMPANY. MODIFY EXISTING PIPING FOR NEW BACKFLOW PREVENTER AND CONNECTION TO EXISTING PIPING.

40 PROVIDE NEW 2" THICK INSULATION ON EXISTING SPRINKLER LINE IN ATTIC.

PLUMBING LEGEND

3CS	(3) COMPARTMENT SINK
ACD	ACCESS DOOR
AD	AREA DRAIN
BT	BATHTUB
CO	CLEANOUT
DC	DENTAL CHAIR
DN	DOWN
DF	DRINKING FOUNTAIN
DSW	DISHWASHER
DSHWR	DISHWASHER
EWC	ELECTRIC WATER COOLER
FH	FUME HOOD
FPS	FOOD PREP SINK
FS	FLOOR SINK
GS	GREASE INTERCEPTOR
HCLS	HANDICAPPED LAB STATION/SINK
HD	HUB DRAIN
HS	HAND SINK
HTUB	HYDRO THERAPY TUB
HWS	HAIR WASH SINK
INV.EL.	INVERT ELEVATION
IS	INSTRUCTORS TABLE/SINK
LAV	LAVATORY
LS	LAB STATION/SINK
MR	MOP RECEPTOR
MR	MOP RECEPTACLE
MH	MANHOLE
MV	MIXING VALVE
OI	OIL INTERCEPTOR
PEDSK	PEDICURE SINK
PS	PREP ROOM SINK
RWC	RAINWATER CONDUCTOR
SHWR	SHOWER
SI	SAND INTERCEPTOR
STK	STACK
SS	SERVICE SINK
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	VENT
VTR	VENT TO ROOF
WC	WATER CLOSET
WS	WASH STATION

A	COMPRESSED AIR
C	COLD WATER
H	DOMESTIC HOT WATER
HR	DOMESTIC HOT WATER RETURN
S	SANITARY SEWER
S	STORM WATER
V	VENT PIPING
F	FIRE PROTECTION PIPE
VAC	VACUUM PIPE
DCA	DENTAL COMPRESSED AIR
AR	ACID RESISTANT PIPE
ARV	ACID RESISTANT VENT
	SPRINKLER HEAD
	CLEANOUT
	FLOOR DRAIN
	GATE VALVE
	CHECK VALVE
	RELIEF VALVE
	AUTOMATIC THREE-WAY VALVE
	GLOBE VALVE
	PRESSURE REDUCING VALVE
	AUTOMATIC TWO-WAY VALVE
	GAS COCK
	STRAINER
	SIAMESE CONNECTION
	UNION
	THERMOMETER
	PRESSURE GAUGE W/GAUGE COCK
HWH(HB)	WALL HYDRANT (HOSE BIBB)
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION
SA	SHOCK ABSORBER
	BALANCING VALVE

MULHERN and ASSOCIATES, Incorporated
321 South York Road
Hatboro, Pennsylvania 19040
Phone: (215) 293-9900
Fax: (215) 293-9214

ALL NOTES ON PLANS MAY NOT BE ON THIS SHEET FOR ALL NOTES REFER TO NOTES ON P3.0

ALL WORK BY PLUMBING CONTRACTOR U.N.O.
ALL WORK NEW U.N.O.
ALL WORK BASE BID U.N.O.
FOR RISER DIAGRAMS SEE SHEET P3.0

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 386-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: DO NOT SCALE

PLUMBING LEGEND, NOTES, AND RISERS
P3.0

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ISSUED FOR BID: 10-1-2026

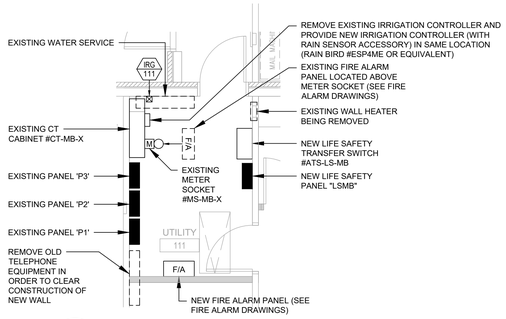
PROJ. NUM: #7884

MULHERN CONSULTING ENGINEERS
AND ASSOCIATES, INCORPORATED
321 SOUTH YORK ROAD
HATBORO, PENNSYLVANIA 19040
PHONE: (215) 293-9900
WWW.MULHERNENGINEERS.COM

ALL WORK SHOWN ON THESE ELECTRICAL PLANS SHALL BE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 386-6200

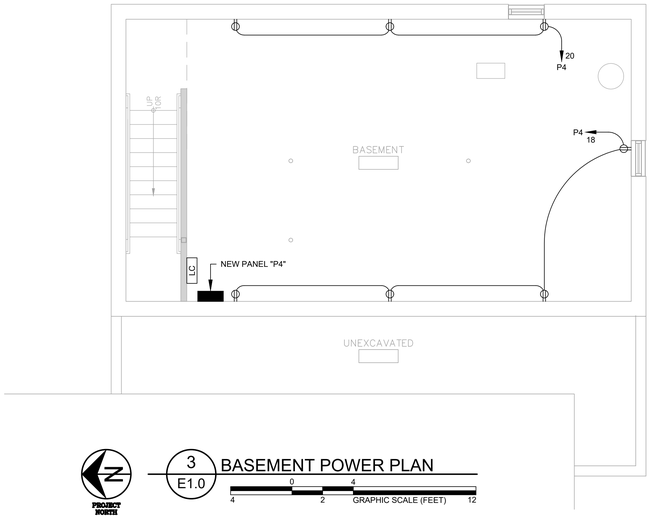
TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ



PROJECT NORTH

2 E1.0 UTILITY ROOM POWER PLAN

0 4
4 2 GRAPHIC SCALE (FEET) 12



PROJECT NORTH

3 E1.0 BASEMENT POWER PLAN

0 4
4 2 GRAPHIC SCALE (FEET) 12

SEE DRAWING '3/E1.0' FOR THE BASEMENT PLAN

REMOVE EXISTING OUTDOOR PANEL

NEW MDF #MDF-1

EXISTING DISCONNECT SWITCHES AND TRANSFORMERS (SERVING DISPOSAL PUMPS) MOUNTED ON EXTERIOR OF BUILDING

REMOVE EXISTING OUTDOOR PANEL

ACS

NEW SECURITY SYSTEMS PANEL #SEC-118

FOR DOOR ACTUATORS

3/4" C WITH DOOR CONTROL WIRING

FOR PUNCH CLOCK

FOR DOOR ACTUATORS

3/4" C WITH DOOR CONTROL WIRING

FOR DOOR ACTUATORS

3/4" C WITH DOOR CONTROL WIRING

CONNECT TO TV CONNECTION CIRCUIT

(2) 2"C FOR LOW VOLTAGE FOR WALL PHONE

(3) 2"C FOR LOW VOLTAGE

FOR SOUND SYSTEM HEADEND

NEW PANEL "P5"

FOR DOOR ACTUATORS

3/4" C WITH DOOR CONTROL WIRING

FOR DOOR ACTUATORS

CONNECT TO TV CONNECTION CIRCUIT

3/4" C WITH DOOR CONTROL WIRING

FOR DOOR ACTUATORS

REMOVE EXISTING OUTDOOR PANEL

ACN

ANN

PC

SEC

RAMP UP

RAMP DN

COUNCIL 103
MEETING ROOM 104
STORAGE 104A
B.ADMIN. 102
CORRIDOR 005
OFFICE 101
CMFO 100
VESTIBULE 001
CONFERENCE 105
VESTIBULE 002
CORRIDOR 004
MUNICIPAL CLERK 106
FILE STORAGE 107A
PLANNING/ZONING CONSTRUCTION 107
CODE OFFICIAL 107B
VESTIBULE 003
TAX OFFICE 119
STAIR 116
MAILROOM 117
UTILITY 111
STORAGE 110
MEN'S 113
WOMEN'S 114
CUSTODIAL 115
TOILET 112
KITCHENETTE 109
TAX ASSESSOR 108

2 E1.0

PROJECT NORTH

1 E1.0 POWER PLAN

0 4
4 2 GRAPHIC SCALE (FEET) 12

SOUTHAMPTON MUNICIPAL
EXISTING–6,435 S.F.

NORTH

ISSUED FOR BID: 10-1-2026

REVISIONS		
MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: AS NOTED

POWER PLAN

E1.0

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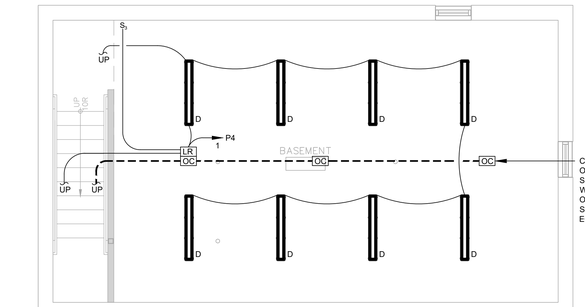
LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	ILLUMINATION/ LAMPS	REMARKS
A	2' X 4' RECESSED UNIVERSAL PANEL	RAB	EZP 2X4	31/40/50W, 80+CRI LED,	FROSTED LENS, 0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING,
				3961/5029/5988LM, 3,500K	SELECTABLE ILLUMINATION (SET FOR 50W, 5,988LM, 3,500K)
				4131/5295/6352LM, 4,000K,	
				4092/5182/6160LM, 5,000K	
A1E	2' X 4' RECESSED UNIVERSAL PANEL, CONTROLLED EMERGENCY	RAB	EZP 2X4	31/40/50W, 80+CRI LED,	FROSTED LENS, 0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING,
				3961/5029/5988LM, 3,500K,	SELECTABLE ILLUMINATION (SET FOR 50W, 5,988LM, 3,500K), WITH
				4131/5295/6352LM, 4,000K,	SIGNIFYBOONE #GTDU (OR EQUIVALENT) BALLAST/DRIVER GENERATOR
				4092/5182/6160LM, 5,000K	TRANSFER DEVICE WITH 0-10V DIMMING BYPASS (BGTD). SEE
					SPECs AND BGTD MANUFACTURER'S INSTRUCTIONS FOR WIRING)
A1	2' X 4' SURFACE UNIVERSAL PANEL	RAB	EZP 2X4 + SMKEZPANZX4	31/40/50W, 80+CRI LED,	FROSTED LENS, 0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING,
				3961/5029/5988LM, 3,500K,	SELECTABLE ILLUMINATION (SET FOR 50W, 5,988LM, 3,500K)
				4131/5295/6352LM, 4,000K,	
				4092/5182/6160LM, 5,000K	
A1E	2' X 4' SURFACE UNIVERSAL PANEL, CONTROLLED EMERGENCY	RAB	EZP 2X4 + SMKEZPANZX4	31/40/50W, 80+CRI LED,	FROSTED LENS, 0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING,
				3961/5029/5988LM, 3,500K,	SELECTABLE ILLUMINATION (SET FOR 50W, 5,988LM, 3,500K), WITH
				4131/5295/6352LM, 4,000K,	SIGNIFYBOONE #GTDU (OR EQUIVALENT) BALLAST/DRIVER GENERATOR
				4092/5182/6160LM, 5,000K	TRANSFER DEVICE WITH 0-10V DIMMING BYPASS (BGTD). SEE
					SPECs AND BGTD MANUFACTURER'S INSTRUCTIONS FOR WIRING)
B	2' X 2' RECESSED UNIVERSAL PANEL	RAB	EZP 2X2	27/32/40W, 80+CRI LED,	FROSTED LENS, 0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING,
				3459/3960/4863LM, 3,500K,	SELECTABLE ILLUMINATION (SET FOR 40W,4,863LM, 3,500K)
				3621/4256/5272LM, 4,000K,	
				3549/4136/5044LM, 5,000K	
C	OUTDOOR RECESSED CANOPY LIGHT	KIRLIN	LRC-05SDN-2000L-UNV-FLT-WFL-35K---**-13	20W, 1,868LM, 3,500K, 80+CRI LED	5-6" DIAMETER, WHITE LENS WITH 0.125" CLEAR POLYCARBONATE OVERLAY, FLAT TRIM, CONFIRED CEILING WET LOCATION LISTING, 0-10V 1% DIMMABLE, TRIM FINISH AS PER ARCHITECT
D	4' SURFACE OR PENDANT	CURRENT COLUMBIA	MPS 4 -35 HL-C W-ED U-	38W, 5,918LM, 3,500K, 80+CRI LED	0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING, WHITE FINISH, WIDE DISTRIBUTION CURVED FROSTED ACRYLIC LENS, SURFACE OR PENDANT (WITH #SS" SWIVEL STEMCANOPY KITS) MOUNT AT HEIGHT AS PER ARCHITECT
F34	34' LINEAR RECESSED	FINE LITE	HP-4 R D 34' S 835 F 96LG 120 SC FC-1% C** FE SW	4W, 430LM, 3,500K, 80+CRI LED (PER FOOT)	120V OPERATION, 1% 0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING, WHITE FINISH, FLUSH LENS, LIGHT TO SUIT CEILING TYPE
G	4' SURFACE OR PENDANT, INTEGRAL OCCUPANCY SENSOR	CURRENT COLUMBIA	MPS 4 -35 HL-C W-ED U-ZLS05	38W, 5,918LM, 3,500K, 80+CRI LED	0-10V DIMMABLE, DLC AND DAMP LOCATION LISTING, WHITE FINISH, WIDE DISTRIBUTION CURVED FROSTED ACRYLIC LENS, PENDANT (WITH #SS" SWIVEL STEMCANOPY KITS) MOUNT AT HEIGHT AS PER ARCHITECT
EXIT	EXIT SIGN, RED LETTERS ON WHITE FACE AND HOUSING	A.B.B. EMERGI-LITE	W PREM AC R	INTEGRAL, DIFFUSED LED	THERMOPLASTIC HOUSING, QUANTITY OF FACES AND DIRECTIONAL ARROWS ACCORDINGLY, UNIVERSAL MOUNTING (COORDINATE MOUNTING WITH ARCHITECT), CONNECT TO NEARBY EMERGENCY LIGHTING CIRCUIT

NOTES:

1) PROVIDE ALL LUMINAIRES AS UNIVERSAL 120 V AND 277 V OPERATION, UNLESS INDICATED OTHERWISE.
2) VERIFY ALL DEPTHS OF RECESSED LUMINAIRES PRIOR TO ORDERING, COORDINATE WITH CEILING DEPTHS.
3) WHERE LUMINAIRES ARE SPECIFIED OR OTHERWISE FURNISHED WITH TAMPER RESISTANT HARDWARE, SEE SPECIFICATIONS.
4) FOR ALL LUMINAIRES SHOWN ON THIS SCHEDULE WITH 0-10 V DIMMABLE DRIVERS/BALLASTS (WHEREVER 0-10 V DIMMING IS INDICATED IN THE DESCRIPTION, LAMPS, OR REMARKS ABOVE OR WHERE A CATALOG NUMBER IS USED ABOVE WHICH DENOTES 0-10 V DIMMABLE DRIVERS/ BALLASTS IN MANUFACTURER'S DATA), PROVIDE BOTH POWER WIRING AND 0-10 V CONTROL WIRING TO ALL LUMINAIRES. RUN CONTROL WIRING FROM ALL LIGHTS WITH 0-10 V DIMMABLE DRIVERS/BALLASTS TO THE RESPECTIVE DIMMER OR SWITCH CONTROLLING THE LIGHTING. WHERE DIMMERS ARE SHOWN ON THE DRAWINGS (INCLUDING COMBINATION SENSORS/DIMMERS), INTERCONNECT CONTROL WIRING WITH DIMMERS AS PER MANUFACTURER. WHERE DIMMERS ARE NOT SHOWN ON THE DRAWINGS, INSTALL CONTROL WIRING TO THE SWITCH (NON-DIMMED) LOCATION AND SAFELY INSULATE AND CAP OFF CONTROL WIRING (TO FACILITATE FUTURE REPLACEMENT OF NON- DIMMED SWITCH WITH DIMMER).
5) FOR ALL DIMMABLE LIGHTING, SEE ELECTRICAL SYMBOL LIST AND FULLY COORDINATE DIMMER COMPATIBILITY IN DETAIL WITH EACH LUMINAIRE AND EACH DIMMER MANUFACTURER (INCLUDE COSTS IN BID TO USE DIFFERENT TYPES OF DIMMER SWITCHES ACCORDINGLY FOR EACH DIFFERENT LUMINAIRE TYPE CONTROLLED).
6) FOR ALL LUMINAIRES SHOWN ON THIS SCHEDULE WITH SELECTABLE COLOR TEMPERATURE AND/OR ILLUMINATION, INITIALLY SET LIGHTS AS SHOWN ON THE SCHEDULE. INCLUDE COSTS IN BID TO ADJUST AND RE-SET SELECTABLE SETTINGS TO THE SATISFACTION OF THE OWNER TWO (2) TIMES WHICH MAY BE EITHER DURING CONSTRUCTION OR DURING THE PROJECT GUARANTEE/WARRANTY PERIOD.
7) FOR ALL LUMINAIRES SHOWN ON THIS SCHEDULE WITH DLC LISTING, PROVIDE ONLY LUMINAIRES QUALIFIED AND LISTED IN THE DESIGN LIGHTS CONSORTIUM (DLC) QUALIFIED PRODUCTS LISTING (QPL) AVAILABLE AT THE DLC WEBSITE (SEE BELOW). SUBMIT INFORMATION SHOWING LISTING IN THE DLC QPL AS PART OF SHOP DRAWINGS FOR REVIEW. HTTP://WWW.DESIGNLIGHTS.ORG/SEARCH/
8) MANUFACTURERS SHOWN ABOVE INDICATE THE BASIS OF DESIGN. OTHER MANUFACTURERS (INCLUDING, BUT NOT LIMITED, TO THOSE SHOWN IN THE LIGHTING SPECIFICATIONS) SHALL BE CONSIDERED.
9) ALL FINISH COLORS ARE SELECTED BY THE ARCHITECT/OWNER. VERIFY AND COORDINATE ANY FINISH COLORS SHOWN ABOVE SPECIFICALLY IN DETAIL WITH THE ARCHITECT/OWNER BEFORE RELEASING LIGHTS.
10) SUBMIT SAMPLES OF LUMINAIRES IF REQUESTED BY THE OWNER OR OTHERWISE SPECIFIED.
11) SUBMIT COMPLETE DETAILED COMPUTER-GENERATED ILLUMINATION FOOT-CANDLE CALCULATIONS FOR ALL NEW LIGHTING. ALL LIGHTING SUBMITTALS MUST BE ACCOMPANIED BY FOOTCANDLE CALCULATIONS, LIGHTING SUBMITTALS WILL NOT BE REVIEWED WITHOUT CALCULATIONS.

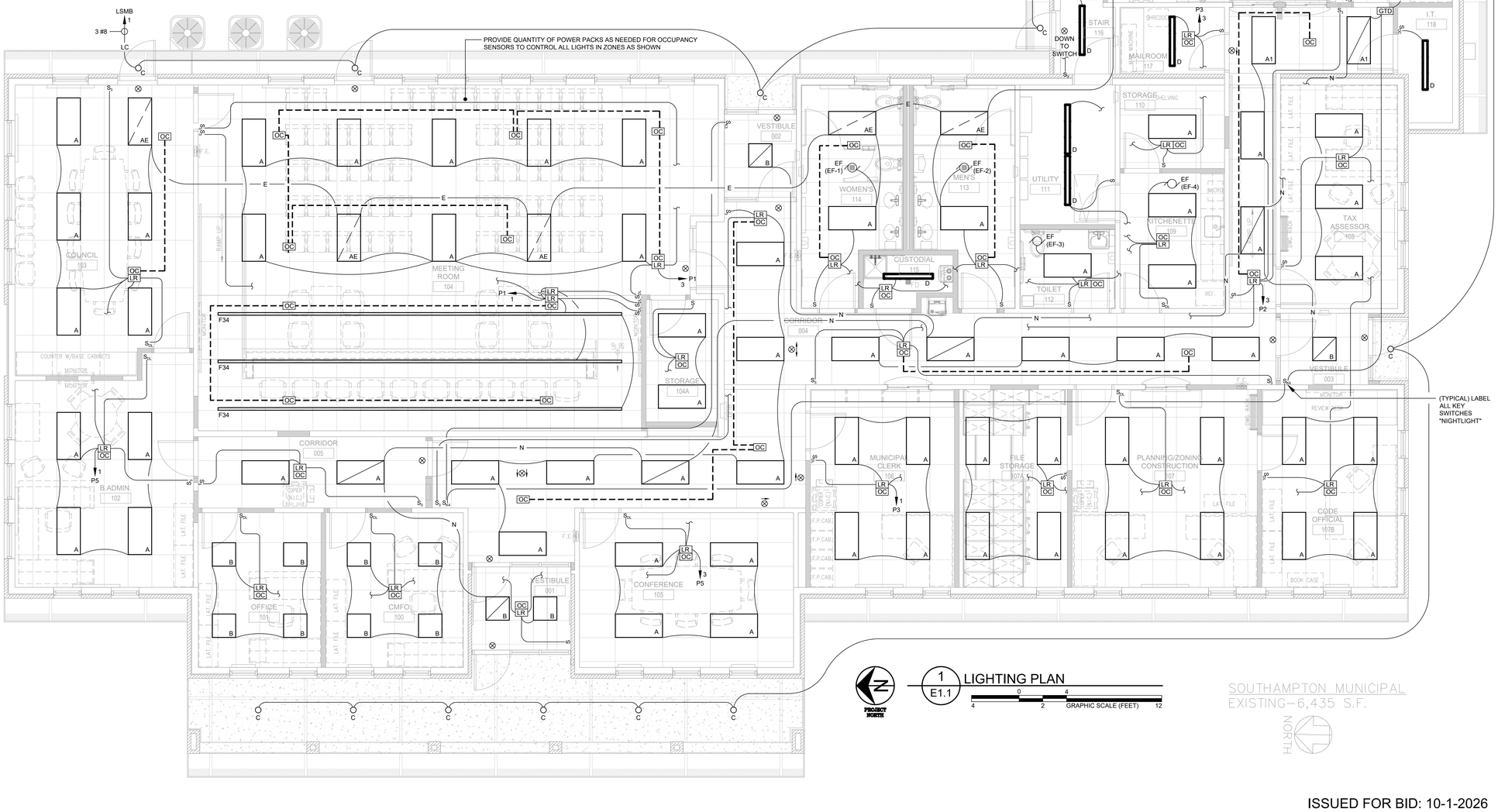


PROJECT NORTH

2 E1.1 BASEMENT LIGHTING PLAN

GRAPHIC SCALE (FEET) 0 4 12 (2)

SEE DRAWING '2/E1.1' FOR THE BASEMENT PLAN



PROJECT NORTH

1 E1.1 LIGHTING PLAN

GRAPHIC SCALE (FEET) 0 4 12 (1)

SOUTHAMPTON MUNICIPAL
EXISTING–6,435 S.F.

NORTH

ISSUED FOR BID: 10-1-2026

PROJ. NUM: #7884

MULHERN CONSULTING ENGINEERS
AND ASSOCIATES, INCORPORATED
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HATBORO, PENNSYLVANIA 19040
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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: AS NOTED

LIGHTING PLAN

E1.1

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5 RETREAT ROAD
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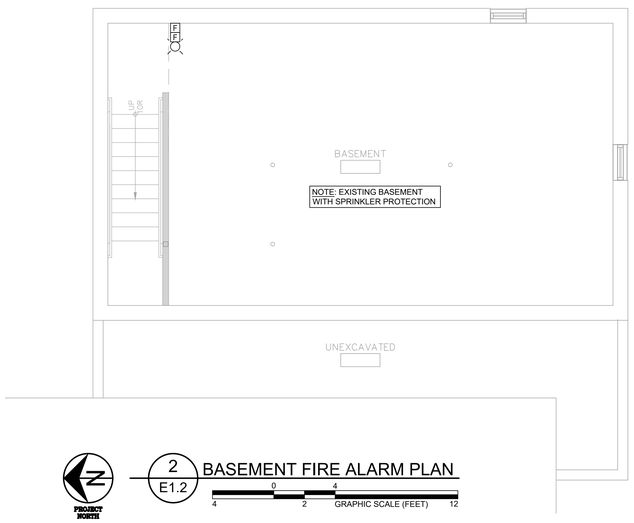
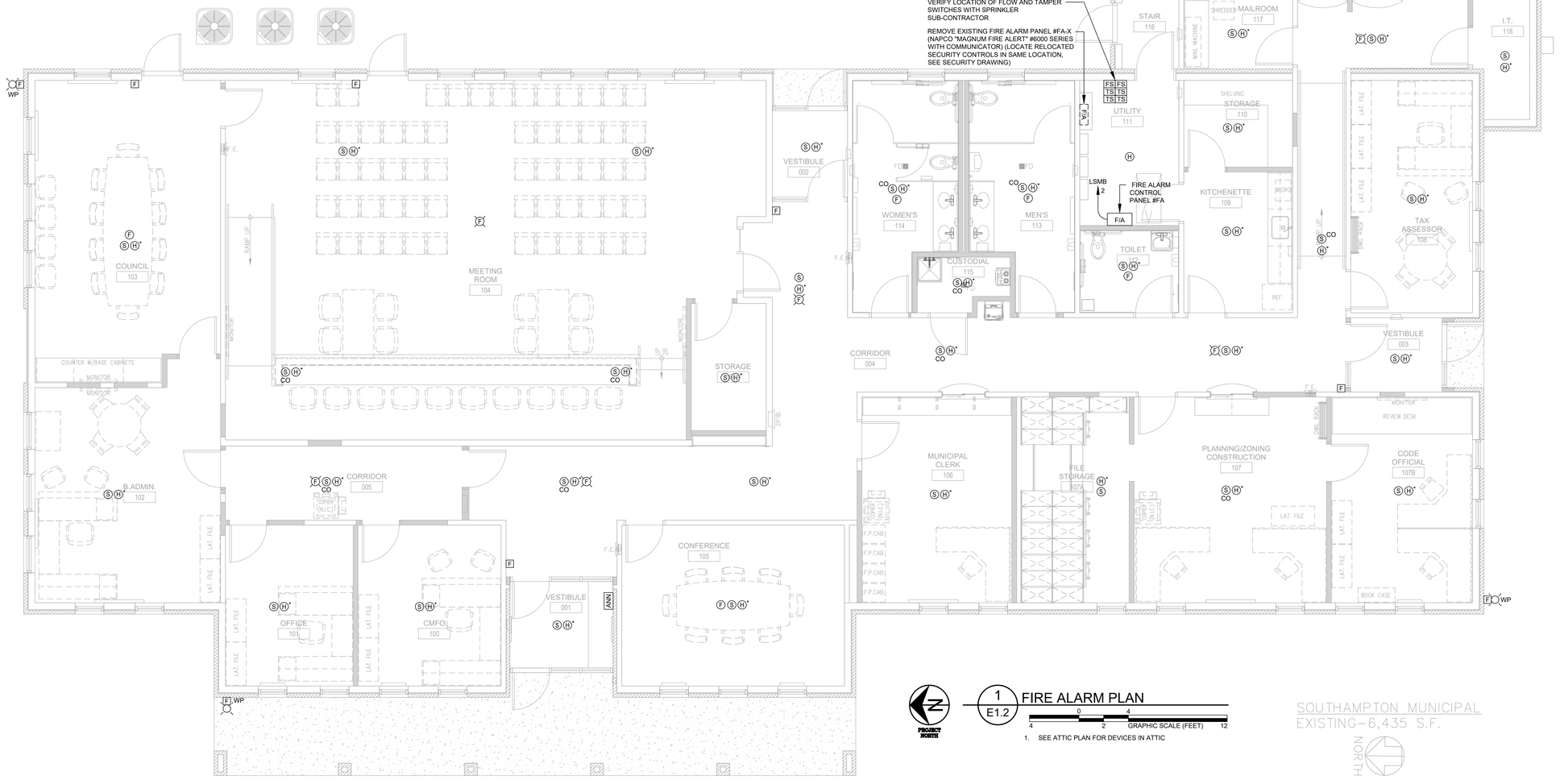


2 E1.2 BASEMENT FIRE ALARM PLAN

0 4 GRAPHIC SCALE (FEET) 4 2 12



1 E1.2 FIRE ALARM PLAN

0 4 GRAPHIC SCALE (FEET) 4 2 12

1. SEE ATTIC PLAN FOR DEVICES IN ATTIC

SOUTHAMPTON MUNICIPAL
EXISTING–6,435 S.F.

NORTH

ISSUED FOR BID: 10-1-2026

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FIRE ALARM PLAN

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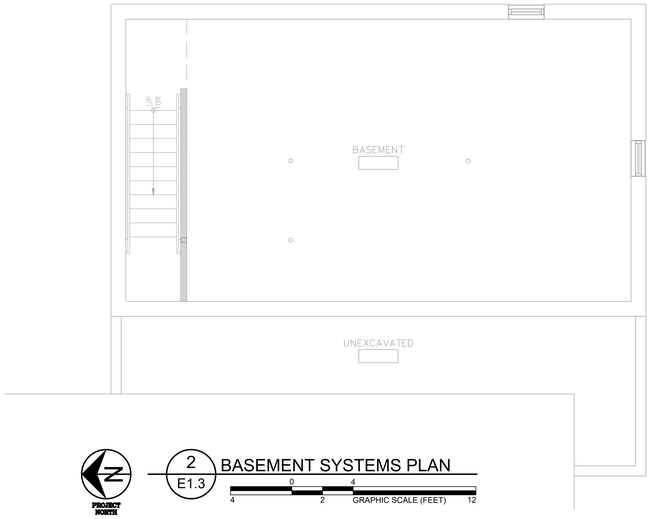
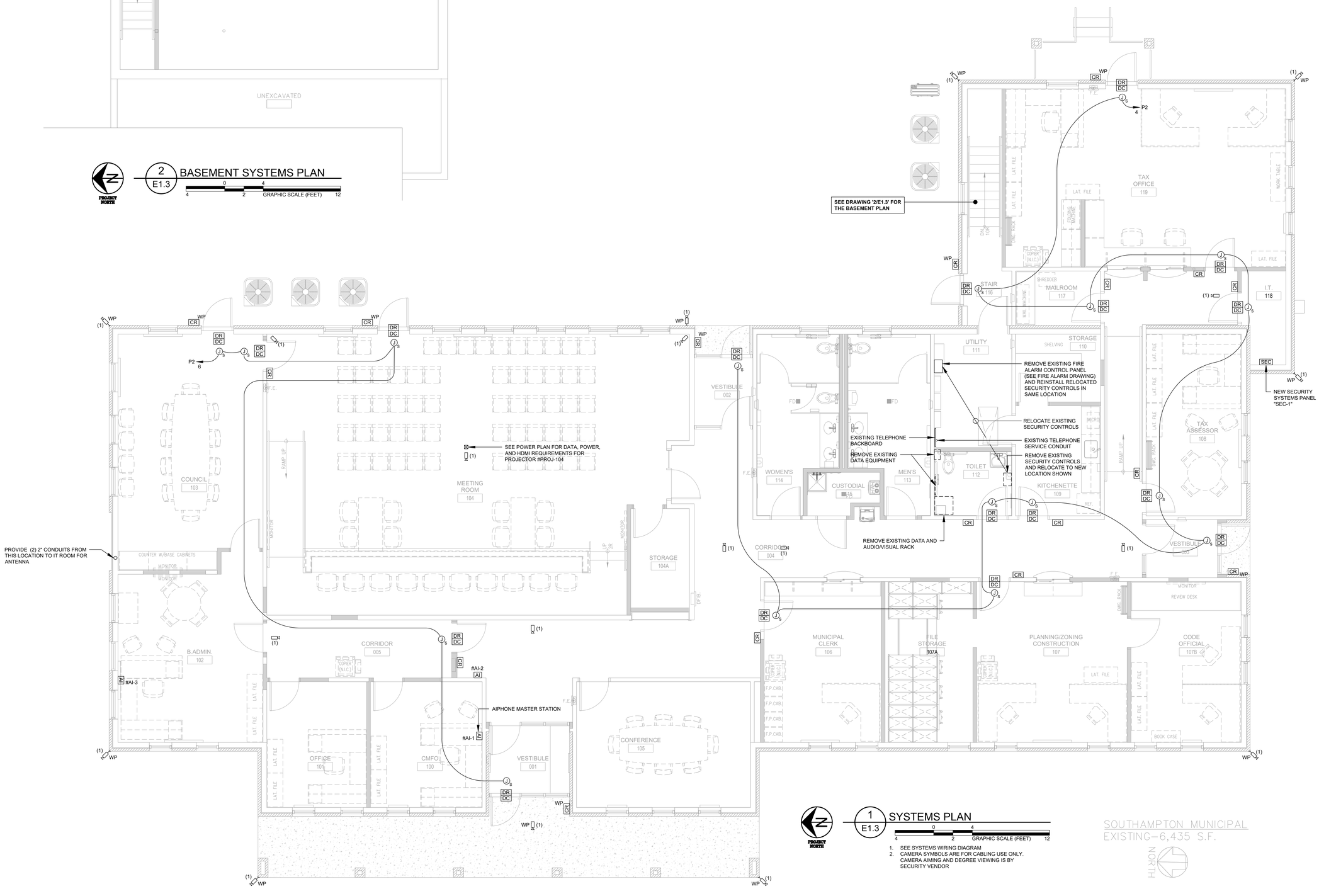


2 E1.3 BASEMENT SYSTEMS PLAN

GRAPHIC SCALE (FEET) 0 4 2 12

PROJECT NORTH



1 E1.3 SYSTEMS PLAN

GRAPHIC SCALE (FEET) 0 4 2 12

PROJECT NORTH

1. SEE SYSTEMS WIRING DIAGRAM
2. CAMERA SYMBOLS ARE FOR CABLING USE ONLY. CAMERA AIMING AND DEGREE VIEWING IS BY SECURITY VENDOR

ISSUED FOR BID: 10-1-2026

REVISIONS

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SYSTEMS PLAN

E1.3

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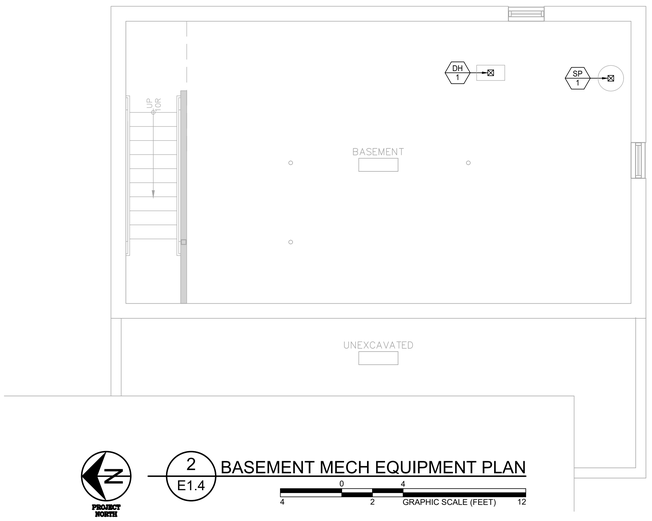
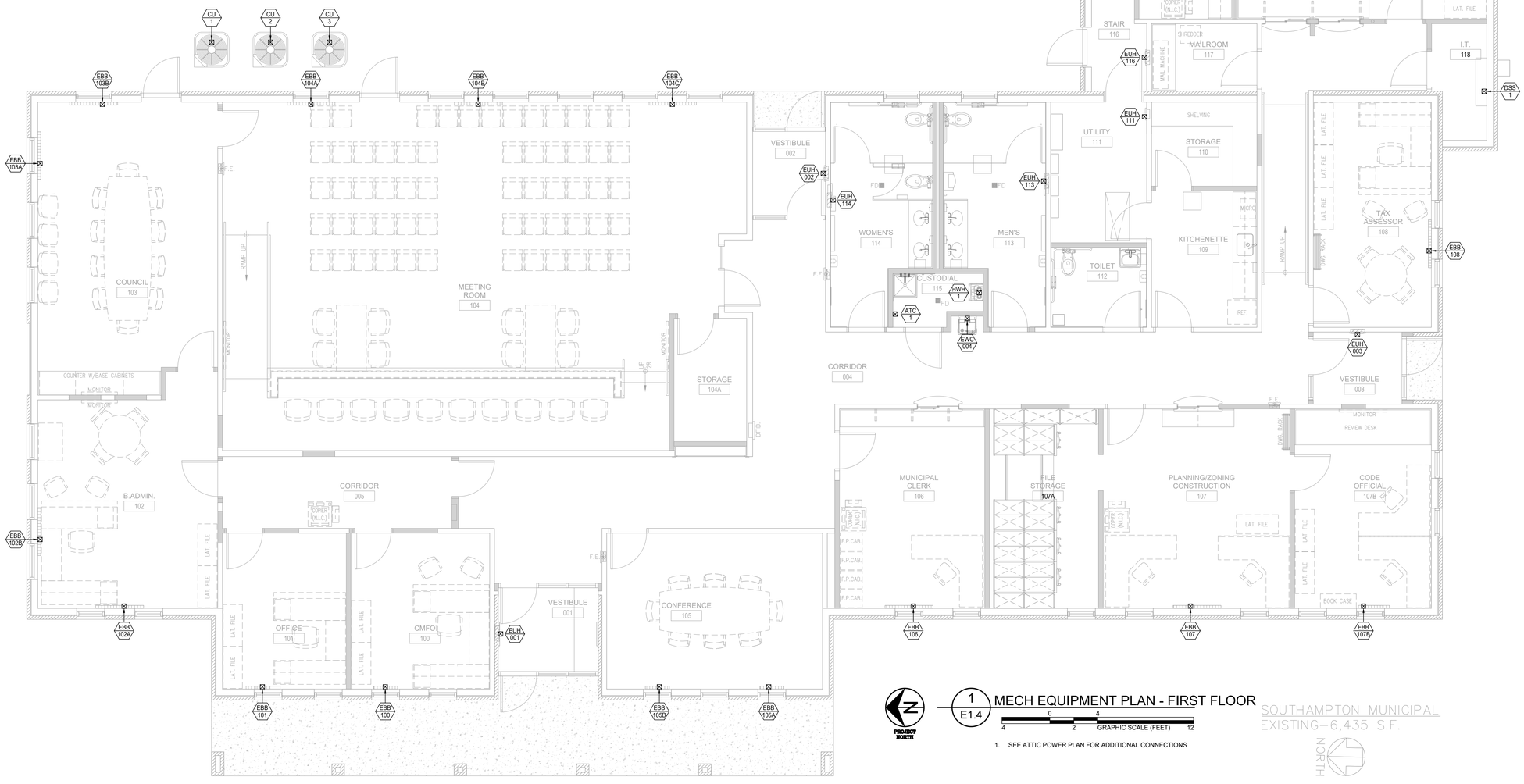


PROJECT NORTH

2 / E1.4 BASEMENT MECH EQUIPMENT PLAN

GRAPHIC SCALE (FEET) 4 2 0 4 12



PROJECT NORTH

1 / E1.4 MECH EQUIPMENT PLAN - FIRST FLOOR

GRAPHIC SCALE (FEET) 4 2 0 4 12

1. SEE ATTIC POWER PLAN FOR ADDITIONAL CONNECTIONS

SOUTHAMPTON MUNICIPAL
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2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
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MECH EQUIPMENT PLAN

E1.4

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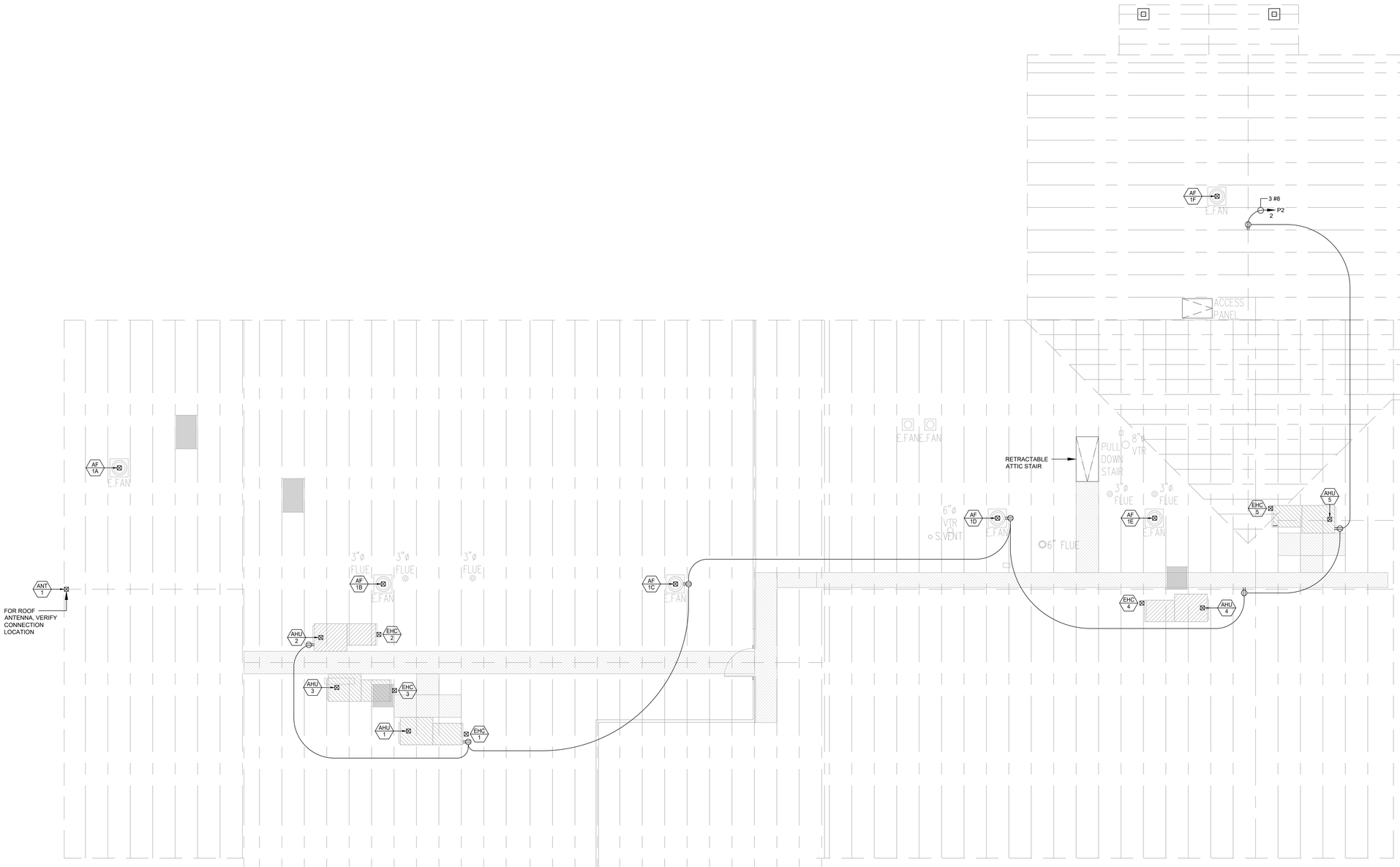

PROJECT NORTH

1 / E2.0 ATTIC POWER PLAN

GRAPHIC SCALE (FEET): 4 2 0 4 12

ISSUED FOR BID: 10-1-2026

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REVISIONS		
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Project No. 26-42
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Scale: AS NOTED

ATTIC POWER PLAN

E2.0

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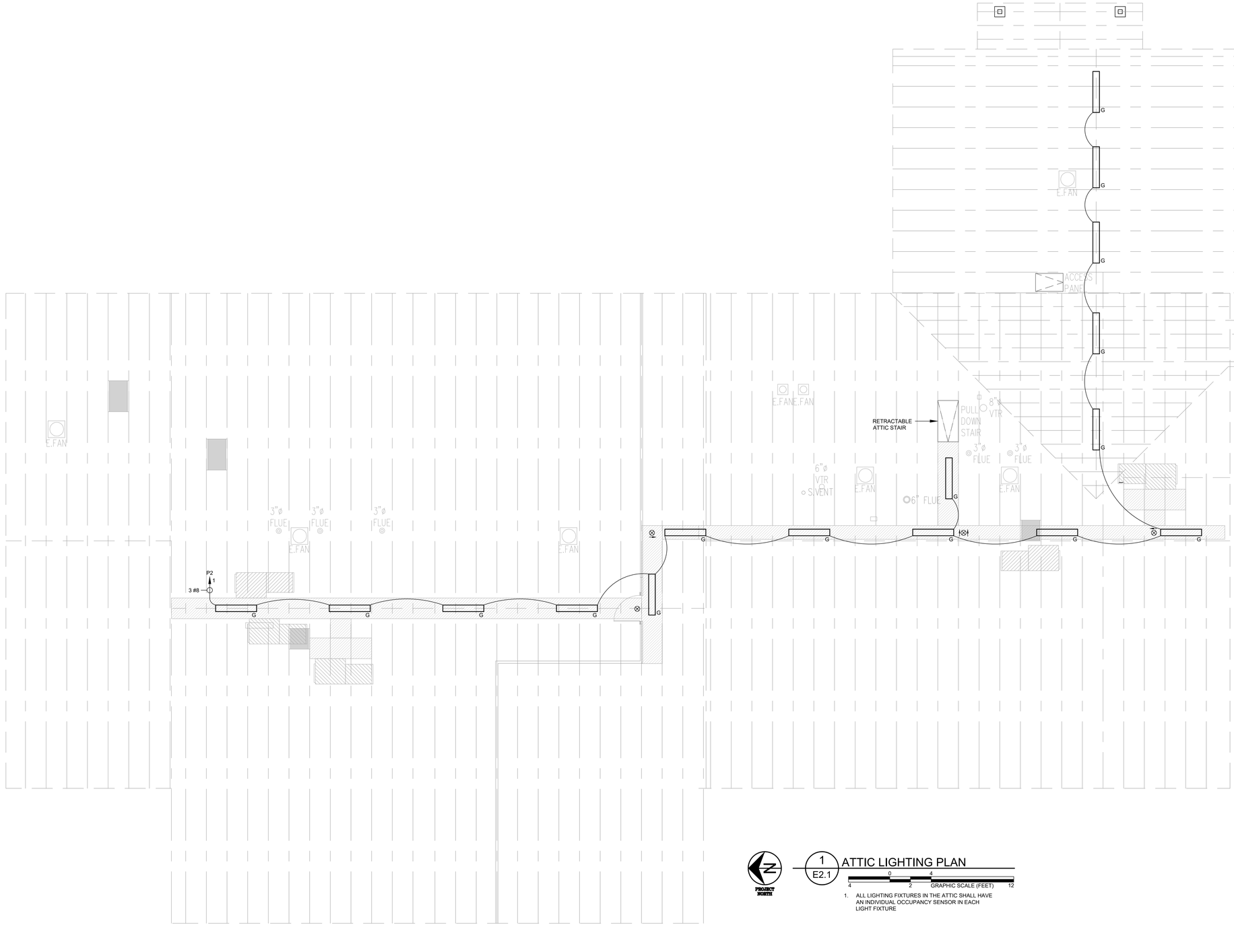

PROJECT NORTH

1 / E2.1 ATTIC LIGHTING PLAN

GRAPHIC SCALE (FEET): 4 2 0 4 12

1. ALL LIGHTING FIXTURES IN THE ATTIC SHALL HAVE AN INDIVIDUAL OCCUPANCY SENSOR IN EACH LIGHT FIXTURE

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ATTIC LIGHTING PLAN

E2.1

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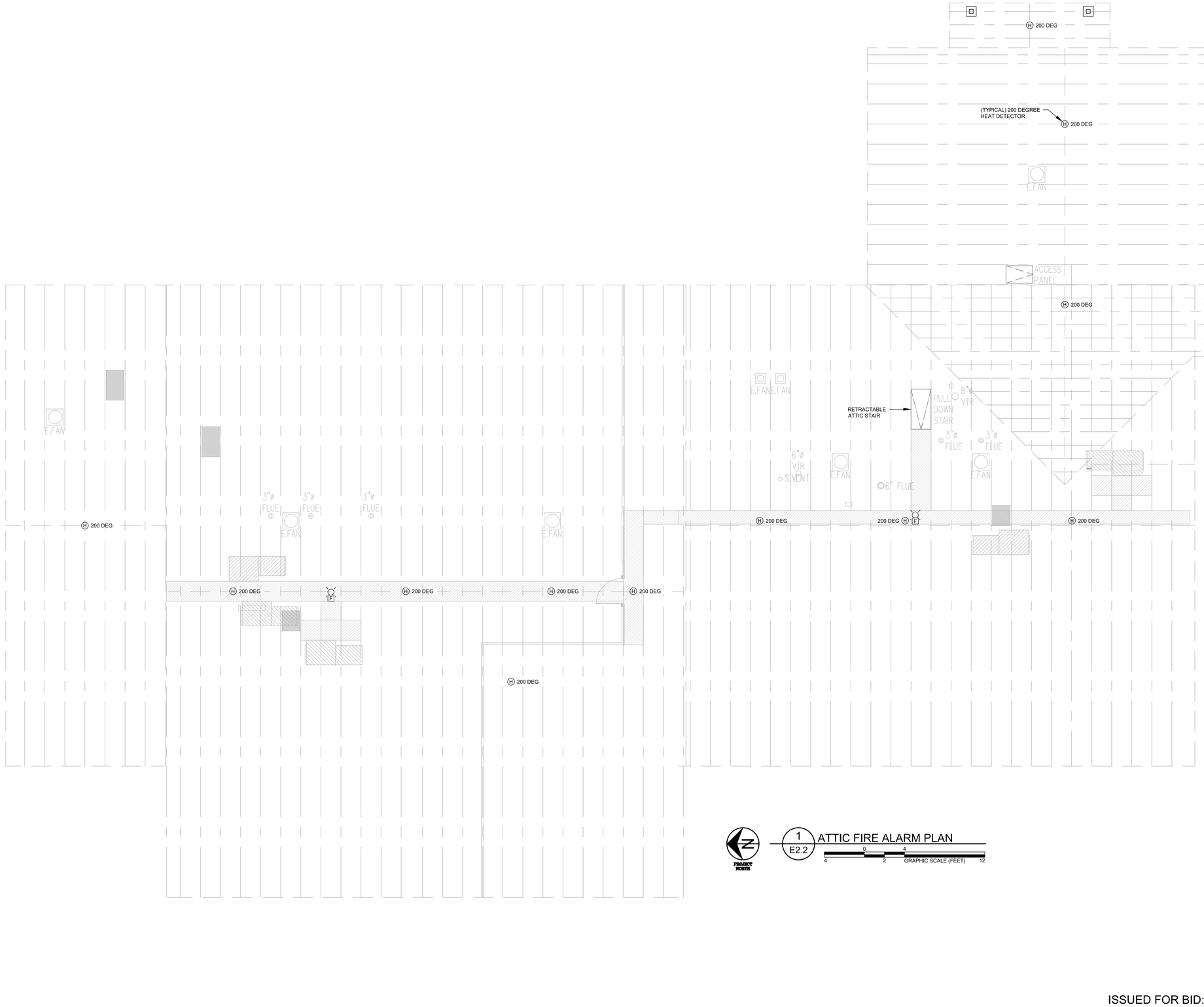

PROJECT NORTH

1 / E2.2 ATTIC FIRE ALARM PLAN

GRAPHIC SCALE (FEET) 4 2 0 4 12

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ATTIC FIRE ALARM PLAN

E2.2

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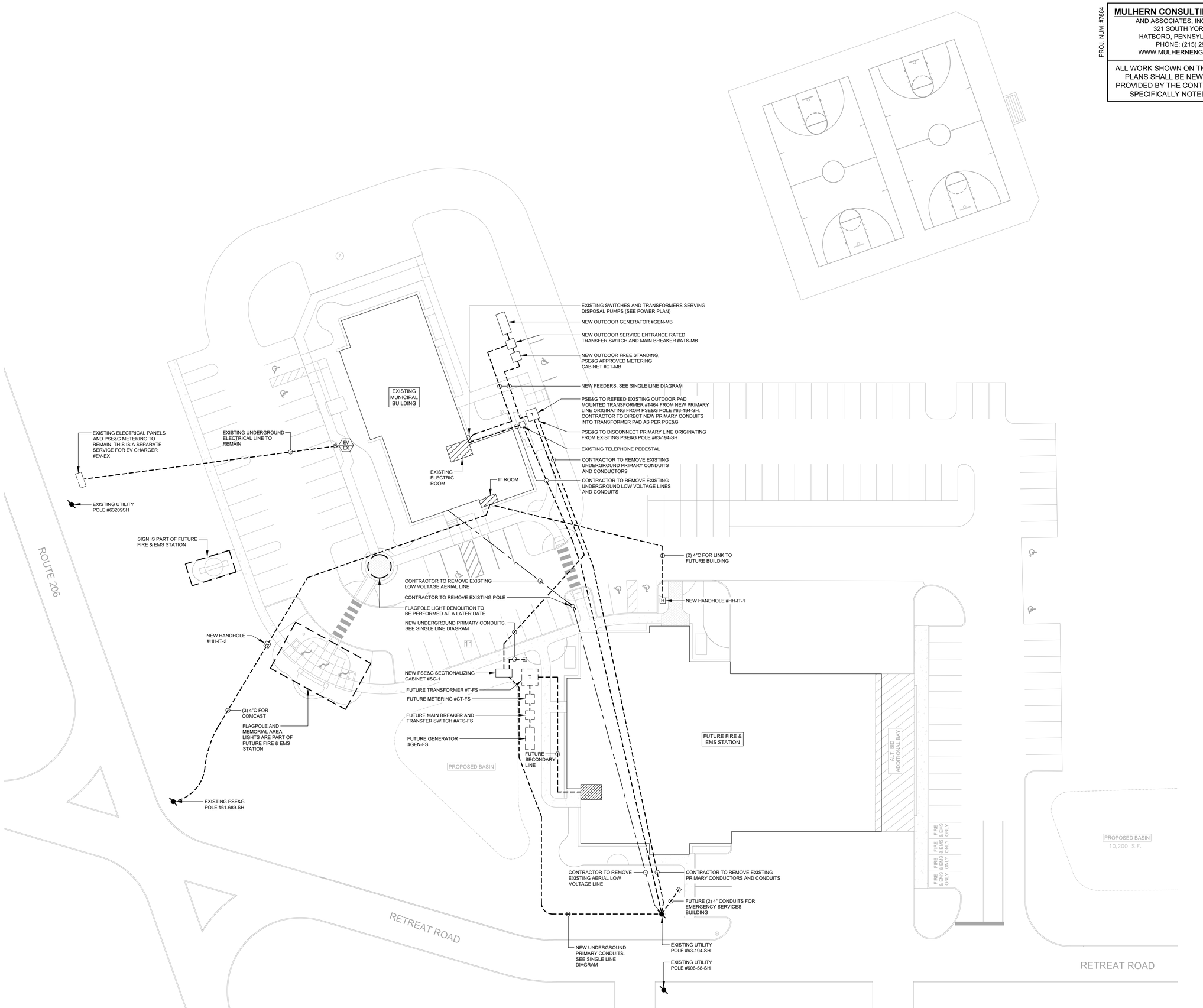

1 E3.0 ELECTRICAL SITE PLAN

GRAPHIC SCALE (FEET) 20 0 10 20 60

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ELECTRICAL SITE PLAN

E3.0

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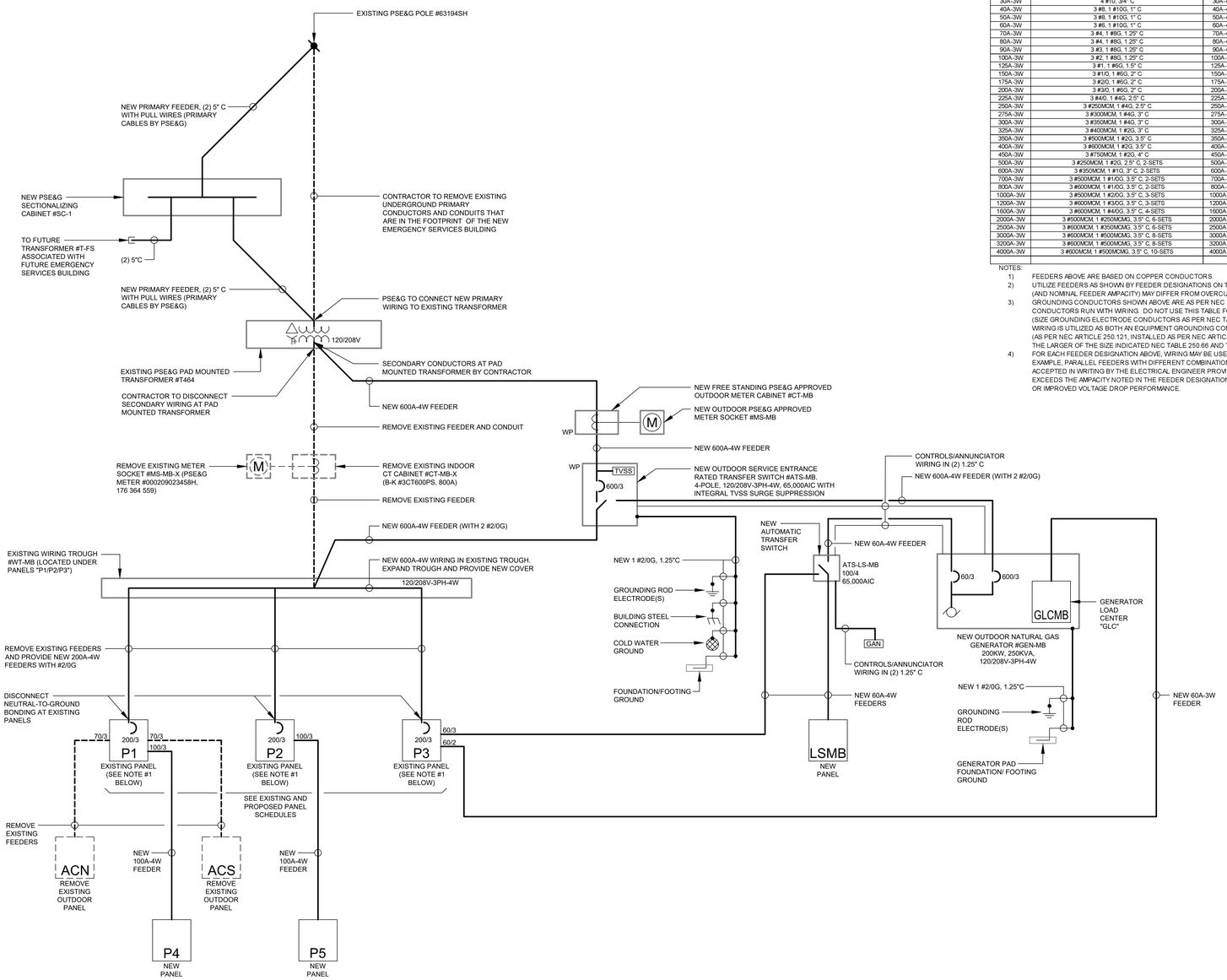

1 E4.0 SINGLE LINE DIAGRAM

SCALE: N.T.S.

1. REMOVE ALL EXISTING CIRCUIT BREAKERS IN PANELS P1, P2, AND P3. PROVIDE ALL NEW BREAKERS. SEE PANEL SCHEDULES
2. CONTRACTOR SHALL INCLUDE COSTS IN BID TO HIRE A CERTIFIED TESTING COMPANY TO TEST THE BUS BARS AT EXISTING PANELS P1, P2, AND P3

FEEDER TABLE (600 V AND LESS)

FEEDER DESIGNATION (3-WIRE)	FEEDER (THREE-WIRE)	FEEDER DESIGNATION (4-WIRE)	FEEDER (FOUR-WIRE)
20A-3W	4 #12, 3/4" C	20A-4W	5 #12, 3/4" C
30A-3W	4 #10, 3/4" C	30A-4W	5 #10, 3/4" C
40A-3W	3 #8, 1 #10G, 1" C	40A-4W	4 #8, 1 #10G, 1" C
50A-3W	3 #8, 1 #10G, 1" C	50A-4W	4 #8, 1 #10G, 1" C
60A-3W	3 #6, 1 #10G, 1" C	60A-4W	4 #6, 1 #10G, 1.25" C
70A-3W	3 #4, 1 #8G, 1.25" C	70A-4W	4 #4, 1 #8G, 1.25" C
80A-3W	3 #4, 1 #8G, 1.25" C	80A-4W	4 #4, 1 #8G, 1.25" C
90A-3W	3 #3, 1 #8G, 1.25" C	90A-4W	4 #3, 1 #8G, 1.5" C
100A-3W	3 #2, 1 #8G, 1.25" C	100A-4W	4 #2, 1 #8G, 1.5" C
125A-3W	3 #1, 1 #6G, 1.5" C	125A-4W	4 #1, 1 #6G, 2" C
150A-3W	3 #1/0, 1 #6G, 2" C	150A-4W	4 #1/0, 1 #6G, 2" C
175A-3W	3 #2/0, 1 #6G, 2" C	175A-4W	4 #2/0, 1 #6G, 2" C
200A-3W	3 #3/0, 1 #6G, 2" C	200A-4W	4 #3/0, 1 #6G, 2.5" C
225A-3W	3 #4/0, 1 #4G, 2.5" C	225A-4W	4 #4/0, 1 #4G, 2.5" C
250A-3W	3 #250MCM, 1 #4G, 2.5" C	250A-4W	4 #250MCM, 1 #4G, 3" C
275A-3W	3 #300MCM, 1 #4G, 3" C	275A-4W	4 #300MCM, 1 #4G, 3" C
300A-3W	3 #350MCM, 1 #4G, 3" C	300A-4W	4 #350MCM, 1 #4G, 3.5" C
325A-3W	3 #400MCM, 1 #2G, 3" C	325A-4W	4 #400MCM, 1 #2G, 3.5" C
350A-3W	3 #500MCM, 1 #2G, 3.5" C	350A-4W	4 #500MCM, 1 #2G, 4" C
400A-3W	3 #600MCM, 1 #2G, 3.5" C	400A-4W	4 #600MCM, 1 #2G, 4" C
450A-3W	3 #750MCM, 1 #2G, 4" C	450A-4W	4 #750MCM, 1 #2G, 5" C
500A-3W	3 #250MCM, 1 #2G, 2.5" C, 2-SETS	500A-4W	4 #250MCM, 1 #2G, 3" C, 2-SETS
600A-3W	3 #350MCM, 1 #1G, 3" C, 2-SETS	600A-4W	4 #350MCM, 1 #1G, 3.5" C, 2-SETS
700A-3W	3 #500MCM, 1 #1/0G, 3.5" C, 2-SETS	700A-4W	4 #500MCM, 1 #1/0G, 4" C, 2-SETS
800A-3W	3 #600MCM, 1 #1/0G, 3.5" C, 2-SETS	800A-4W	4 #600MCM, 1 #1/0G, 4" C, 2-SETS
1000A-3W	3 #500MCM, 1 #2/0G, 3.5" C, 3-SETS	1000A-4W	4 #500MCM, 1 #2/0G, 4" C, 3-SETS
1200A-3W	3 #600MCM, 1 #3/0G, 3.5" C, 3-SETS	1200A-4W	4 #600MCM, 1 #3/0G, 4" C, 3-SETS
1600A-3W	3 #600MCM, 1 #4/0G, 3.5" C, 4-SETS	1600A-4W	4 #600MCM, 1 #4/0G, 4" C, 4-SETS
2000A-3W	3 #500MCM, 1 #250MCMG, 3.5" C, 6-SETS	2000A-4W	4 #500MCM, 1 #250MCMG, 4" C, 6-SETS
2500A-3W	3 #600MCM, 1 #350MCMG, 3.5" C, 6-SETS	2500A-4W	4 #600MCM, 1 #350MCMG, 4" C, 6-SETS
3000A-3W	3 #600MCM, 1 #500MCMG, 3.5" C, 8-SETS	3000A-4W	4 #600MCM, 1 #500MCMG, 4" C, 8-SETS
3200A-3W	3 #600MCM, 1 #500MCMG, 3.5" C, 8-SETS	3200A-4W	4 #600MCM, 1 #500MCMG, 4" C, 8-SETS
4000A-3W	3 #600MCM, 1 #500MCMG, 3.5" C, 10-SETS	4000A-4W	4 #600MCM, 1 #500MCMG, 4" C, 10-SETS

NOTES:

1) FEEDERS ABOVE ARE BASED ON COPPER CONDUCTORS.
2) UTILIZE FEEDERS AS SHOWN BY FEEDER DESIGNATIONS ON THE SINGLE LINE DIAGRAM. FEEDER DESIGNATIONS (AND NOMINAL FEEDER AMPACITY) MAY DIFFER FROM OVERCURRENT DEVICE RATING PROTECTING THE FEEDER
3) GROUNDING CONDUCTORS SHOWN ABOVE ARE AS PER NEC TABLE 250.122 AND APPLY TO EQUIPMENT GROUNDING CONDUCTORS RUN WITH WIRING. DO NOT USE THIS TABLE FOR SIZING GROUNDING ELECTRODE CONDUCTORS (SIZE GROUNDING ELECTRODE CONDUCTORS AS PER NEC TABLE 250.66). WHERE A CONDUCTOR RUN WITH WIRING IS UTILIZED AS BOTH AN EQUIPMENT GROUNDING CONDUCTOR AND A GROUNDING ELECTRODE CONDUCTOR (AS PER NEC ARTICLE 250.121, INSTALLED AS PER NEC ARTICLE 250.6(A)), UTILIZE A GROUNDING CONDUCTOR HAVING THE LARGER OF THE SIZE INDICATED NEC TABLE 250.66 AND THE SIZE INDICATED IN NEC TABLE 250.122.
4) FOR EACH FEEDER DESIGNATION ABOVE, WIRING MAY BE USED WHICH DIFFERS FROM THE FEEDER ABOVE (FOR EXAMPLE, PARALLEL FEEDERS WITH DIFFERENT COMBINATIONS OF SETS/SIZES OF CONDUCTORS) WHERE ACCEPTED IN WRITING BY THE ELECTRICAL ENGINEER PROVIDED THAT THE FEEDER AMPACITY EQUALS OR EXCEEDS THE AMPACITY NOTED IN THE FEEDER DESIGNATION AND PROVIDED THAT THE FEEDER PROVIDES EQUAL OR IMPROVED VOLTAGE DROP PERFORMANCE.

ISSUED FOR BID: 10-1-2026

GARRISON ARCHITECTS
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713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: AS NOTED

SINGLE LINE DIAGRAM

E4.0

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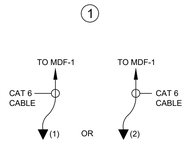
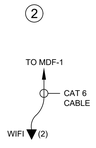
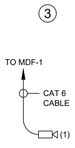
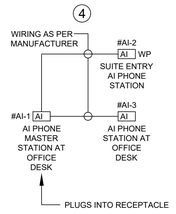
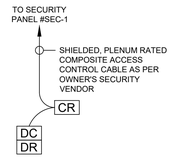
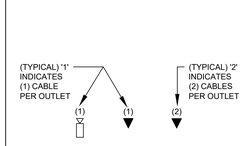
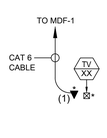
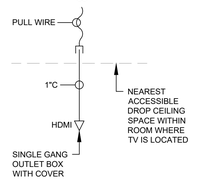
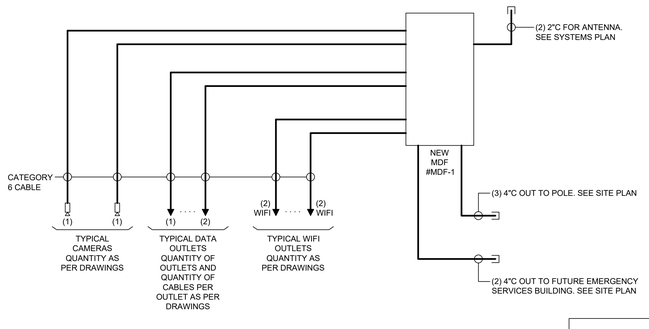
SYSTEMS WIRING DETAILS

① 	② 	③ 	④ 
DATA OUTLET **PROVIDE A SEPARATE HOME RUN FOR EACH DEVICE**	**WIFI OUTLET** **PROVIDE A SEPARATE HOME RUN FOR EACH DEVICE**	**CAMERA** **PROVIDE A SEPARATE HOME RUN FOR EACH DEVICE**	**AI PHONE SYSTEM**
⑤ 	⑥ 	⑦ 	⑧ 
CARD READER **PROVIDE A SEPARATE HOME RUN FOR EACH DEVICE**	**NOMENCLATURE** **PROVIDE A SEPARATE HOME RUN FOR EACH DEVICE**	**TV'S**	**HDMI OUTLET**

1 E4.1 SYSTEM WIRING DETAILS

SCALE: N.T.S.

1. OBTAIN ACTUAL WIRING DIAGRAMS AND EXACT CABLE TYPES FROM BELLIA TECHNOLOGIES PRIOR TO PERFORMING ANY WORK OR ORDERING ANY CABLES.
2. ACCESS CONTROL CABLE CONSISTS OF MULTIPLE CABLE TYPES AND SIZES IN ON OVERALL JACKET. OBTAIN ACTUAL CABLE CUT TYPE FROM BELLIA TECHNOLOGIES PRIOR TO PURCHASING CABLE
3. ALL WIRING SHALL BE NEW
4. SEE RESPONSIBILITY SCHEDULE
5. INCLUDE COSTS IN BID TO MEET ON-SITE WITH BELLIA TECHNOLOGIES TO CONFIRM ALL WIRE TYPES AND WIRING DESTINATIONS. DO NOT ORDER ANY CABLE OR PERFORM ANY OTHER WIRING UNTIL PROJECT DETAILS ARE CONFIRMED
6. ALL WIRING RUNS SHOWN ARE DEDICATED HOME RUNS UNLESS NOTED OTHERWISE
7. PROVIDE SHOP DRAWINGS SHOWING ALL WIRING AND WIRING DESTINATIONS ON PLANS. CONFIRM IN FIELD WITH OWNER'S VENDOR PRIOR TO PURCHASING OR INSTALLING WIRING AND EQUIPMENT. CONTACT AT BELLIA TECHNOLOGIES IS KEN BELLIA (KEN@BELLIATECH.COM - CELL #: 856-202-7664)



2 E4.1 IT RISER DIAGRAM

SCALE: N.T.S.

1. PROVIDE ALL RACKS, PATCH PANELS, CABINETS, CABLING, JACKS, FINAL CONNECTIONS, TESTING AND CERTIFICATIONS
2. SEE RESPONSIBILITY SCHEDULE FOR ADDITIONAL INFORMATION
3. SEE SYSTEMS WIRING DETAILS

NEW IT RACK #MDF-1

1. PROVIDE ONE FLOOR-STANDING 22U SERVER CABINET, APPROXIMATELY 39-40"D × 23-24"W × 46-47"H WITH CASTERS. INCLUDE 19" EQUIPMENT MOUNTING RAILS, GLASS FRONT DOOR ,LOCKABLE DOORS, REMOVABLE SIDE PANELS, CASTERS, AND LEVELING FEET. PROVIDE TWO SHELVES: ONE FOR UPS AND ONE FOR SERVER.
2. PROVIDE ONE WALL-MOUNTED 9U NETWORK CABINET, APPROXIMATELY 23-24"D × 23-24"W × 19-120"H. INCLUDE 19" EQUIPMENT MOUNTING RAILS, HINGED REAR ACCESS, LOCKING GLASS FRONT DOOR, REMOVABLE SIDE PANELS, AND TWO FACTORY-INSTALLED FANS
3. PROVIDE:
   a. TWO 20A, 120V VERTICAL POWER STRIPS WITH 12 RECEPTACLES EACH, ON/OFF SWITCH, AND SURGE PROTECTION.
   b. PATCH PANELS WITH A MINIMUM OF 25% SPARE CAPACITY.
4. INCLUDE COSTS IN BID TO RUN DATA/LOW VOLTAGE CABLES TO EITHER OF THE TWO CABINETS MENTIONED IN ITEMS #1 AND #2 ABOVE

ISSUED FOR BID: 10-1-2026

PROJ. NUM: #7884

MULHERN CONSULTING ENGINEERS
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321 SOUTH YORK ROAD
HATBORO, PENNSYLVANIA 19040
PHONE: (215) 293-9900
WWW.MULHERNENGINEERS.COM

ALL WORK SHOWN ON THESE ELECTRICAL PLANS SHALL BE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE

GARRISON ARCHITECTS
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TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
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SYSTEM WIRING DETAILS

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ELECTRICAL SYMBOL LIST

S S_S S_A — 20 A, 277/120 V SWITCH, SINGLE POLE (S), THREE-WAY (S-3), AND FOUR-WAY (S-4), RESPECTIVELY, SPECIFICATION GRADE, FLUSH MOUNTED, FINISH AND COVER PLATE AS PER ARCHITECT

S_{DL} — 0-10 V, 50 mA, 8 A, 120/277 V, LIGHT EMITTING DIODE (LED) DRIVER OR ELECTRONIC BALLAST DIMMER SWITCH (S-DL), SINGLE POLE, ROCKER SWITCH WITH SLIDE DIMMING CONTROL, FULLY RATED, SPECIFICATION GRADE, FLUSH MOUNTED, LOW PROFILE, FINISH AND COVER PLATE AS PER ARCHITECT, OF A TYPE COMPATIBLE WITH THREE-WAY OPERATION VIA REMOTE STANDARD THREE-WAY SWITCHES; LUTRON #DVSTV-** (OR EQUIVALENT BY HUBBELL OR LEVITON); SEE LUMINAIRE SCHEDULE AND FULLY COORDINATE DIMMER COMPATIBILITY IN DETAIL WITH EACH LUMINAIRE AND EACH DIMMER MANUFACTURER (INCLUDE COSTS IN BID TO USE DIFFERENT TYPES OF DIMMER SWITCHES ACCORDINGLY FOR EACH DIFFERENT LUMINAIRE TYPE CONTROLLED); WHERE CIRCUIT LOAD EXCEEDS 8 A UTILIZE #DVTV-** (OR EQUIVALENT) DIMMER WITH #PP-DV (OR EQUIVALENT) POWER PACK(S) ACCORDINGLY TO FACILITATE LOAD

S_K S_{LS} S_{K4} — 20A, 277/120V LOCKING STYLE SWITCH (S-K), SINGLE POLE, THREE-WAY, AND FOUR-WAY, RESPECTIVELY, SPECIFICATION GRADE, FLUSH MOUNTED, FINISH AND COVER PLATE AS PER ARCHITECT, PASS & SEYMOUR #PS20AC*-*L SERIES (OR EQUIVALENT); FURNISH AND TURN OVER TO THE OWNER AT LEAST ONE (1) KEY PER SWITCH INSTALLED

LR — LIGHTING CONTROL RELAY MODULE [LR], INTERCONNECT (UTILIZING LOW VOLTAGE CONTROL WIRING) WITH OCCUPANCY SENSORS AS SHOWN ON THE DRAWINGS, RATED 1,800 VA FOR 120 V OPERATION AND RATED 4,800 VA FOR 277 V OPERATION, SINGLE POLE, SPECIFICATION GRADE; PROVIDE A MINIMUM OF ONE (1) RELAY PER CIRCUIT CONTROLLED (FULLY COORDINATE BETWEEN MODULE AND SENSORS AS PER MANUFACTURER AND PROVIDE EXACT QUANTITY NEEDED [INCLUDING ADDITIONAL RELAYS OR MODULES ACCORDINGLY] TO ACCOMMODATE THE SWITCHING CONTROL SHOWN ON DRAWINGS IN CONJUNCTION WITH THE QUANTITY OF CONTROLLING SENSORS INVOLVED, INTERCONNECT AUXILIARY CONTACTS FOR SIMULTANEOUS CONTROL); WHERE WALL SWITCHES (SINGLE POLE, THREE-WAY, OR FOUR-WAY) ARE INDICATED ALONG WITH OCCUPANCY SENSOR ON THE DRAWINGS, ARRANGE AND INTERCONNECT SWITCHES (AS RECOMMENDED BY OCCUPANCY SENSOR MANUFACTURER) TO OPERATE AS MANUAL "OVERRIDE-TO-OFF" UNLESS SPECIFICALLY INDICATED OTHERWISE

OC — OCCUPANCY SENSOR LIGHTING CONTROL [OC], FLUSH MOUNTED IN CEILING, FOR COMMON CONTROL OF LIGHTING (MULTIPLE SENSORS FOR LIGHTING CONTROL IN CONJUNCTION WITH REMOTE LIGHTING CONTROL RELAY MODULE(S), FULLY COORDINATE BETWEEN MODULE AND SENSORS AS PER MANUFACTURER), MULTI-TECHNOLOGY PASSIVE INFRARED (PIR) AND ULTRASONIC TYPE, 360 DEGREE NOMINAL 186 m2 (2,000 SQ FT) COVERAGE, MEETING NEMA WD7 STANDARD, INTEGRAL SELECTABLE AMBIENT LIGHT LEVEL SENSOR, SPECIFICATION GRADE, WHITE FINISH; PROVIDE LOW VOLTAGE CONTROL WIRING BETWEEN SENSOR AND CONTROL RELAY

LUMINAIRE, TYPE AS INDICATED ON THE LUMINAIRE SCHEDULE

WALL MOUNTED LUMINAIRE, TYPE AS INDICATED ON THE LUMINAIRE SCHEDULE

LINEAR/RECTANGULAR LUMINAIRE, TYPE AS INDICATED ON THE LUMINAIRE SCHEDULE

INDICATES EMERGENCY AND NIGHT-LIGHTING LUMINAIRE, TYPE AS INDICATED ON THE LUMINAIRE SCHEDULE

INDICATES CONTROLLED EMERGENCY LUMINAIRE, WITH INTEGRAL DRIVER TRANSFER DEVICE, TYPE AS INDICATED ON THE LUMINAIRE SCHEDULE

EXIT SIGN, TYPE ("EXIT" UNLESS INDICATED OTHERWISE) AS INDICATED ON THE LUMINAIRE SCHEDULE

GTD — BRANCH CIRCUIT EMERGENCY GENERATOR TRANSFER AND DIMMER OVERRIDE DEVICE [GTD], RATED 16 A, 277/120 V, SIGNIFY/BODINE #BLCD16DIM (OR EQUIVALENT); PROVIDE INCOMING EMERGENCY SOURCE (EMERGENCY HOT, NEUTRAL, AND GROUND) FROM EMERGENCY PANEL AS SHOWN ON DRAWINGS (3 #10, 3/4" C UNLESS OTHERWISE NOTED); PROVIDE INCOMING NORMAL SOURCE (WITH CONSTANTLY ENERGIZED UN-SWITCHED "CONSTANT HOT" CONDUCTOR, SWITCH CONTROLLED "SWITCHED HOT" CONDUCTOR, NEUTRAL CONDUCTOR, AND GROUNDING CONDUCTOR) FROM NORMAL SWITCH LOCATION AS SHOWN ON DRAWINGS (4 #10, 3/4" C, UNLESS OTHERWISE NOTED); PROVIDE OUTGOING BRANCH CIRCUIT WIRING (LOAD HOT, NEUTRAL, AND GROUND) TO LOADS AS SHOWN ON DRAWINGS (3 #10, 3/4" C, UNLESS OTHERWISE NOTED); PROVIDE 0-10V DIMMING CONTROL WIRING ACCORDINGLY (WIRE AS PER MANUFACTURER'S INSTRUCTIONS)

20 A, 120 V DUPLEX RECEPTACLE (NEMA 5-20R), SPECIFICATION GRADE, TAMPER RESISTANT, FLUSH MOUNTED, FINISH AND COVER PLATE AS PER OWNER, (+) INDICATES ABOVE COUNTER MOUNTING HEIGHT, (*) INDICATES MOUNTED HIGH ON WALL AT DISPLAY/SCREEN OR ABOVE BOARD

20 A, 120 V DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE/PROTECTED RECEPTACLE (NEMA 5-20R), SPECIFICATION GRADE, TAMPER RESISTANT, FLUSH MOUNTED, FINISH AND COVER PLATE AS PER ARCHITECT, (+) INDICATES ABOVE COUNTER MOUNTING HEIGHT, (WP) INDICATES WEATHER-RESISTANT TYPE RECEPTACLE MOUNTED IN A WEATHERPROOF OUTLET BOX WITH SINGLE SPRING-LATCHED WEATHERPROOF-WHILE-IN-USE COVER; FEED-THROUGH PROTECTION OF STANDARD TYPE RECEPTACLES FROM OTHER GFCI RECEPTACLES IS NOT ACCEPTABLE; PROTECTION OF STANDARD TYPE RECEPTACLES IS READILY ACCESSIBLE LOCATIONS FROM GFCI CIRCUIT BREAKERS IS NOT ACCEPTABLE (SEE BELOW FOR INACCESSIBLE RECEPTACLES); FOR INACCESSIBLE RECEPTACLES LOCATIONS WHICH ARE NOT READILY ACCESSIBLE AS PER THE NEC, FOR EXAMPLE, WHERE LOCATED BEHIND EQUIPMENT, APPLIANCES, OR OBSTACLES) THE USE OF GFCI TYPE RECEPTACLES IS PROHIBITED AND PROTECTION OF STANDARD TYPE RECEPTACLES FROM GFCI CIRCUIT BREAKER MUST BE USED (IDENTIFY RECEPTACLES AS PROTECTED AS PER THE NEC)

QUADRUPLEX ("DOUBLE DUPLEX", "QUAD") RECEPTACLE, WITH RECEPTACLE TYPE AS INDICATED

EQUIPMENT CONNECTION [X], REFER TO THE EQUIPMENT SCHEDULE AND THE EQUIPMENT NOTES FOR INFORMATION

EQUIPMENT DESIGNATION (HEXAGON), FOR REFERENCE TO THE EQUIPMENT SCHEDULE

FUSED DISCONNECT (SAFETY) SWITCH, HEAVY-DUTY TYPE, WITH SIZE, POLES, AND FUSES AS INDICATED, IN NEMA-1 ENCLOSURE, (WP) INDICATES NEMA-3R ENCLOSURE

UN-FUSED DISCONNECT (SAFETY) SWITCH, HEAVY-DUTY TYPE, WITH SIZE AND POLES AS INDICATED, IN NEMA-1 ENCLOSURE. (WP) INDICATES NEMA-3R ENCLOSURE

ENCLOSED CIRCUIT BREAKER (ECB), WITH TRIP RATING AND POLES AS INDICATED, IN NEMA-1 ENCLOSURE, (WP) INDICATES NEMA-3R ENCLOSURE

S_{OL} — THERMAL OVERLOAD SWITCH (I.E. MANUAL MOTOR STARTER, "O/L SWITCH", S-OL), 277-120 V AND HORSEPOWER RATED, COORDINATE THERMAL OVERLOAD UNIT RATING WITH LOAD SERVED; IN FINISHED SPACES, PROVIDE FLUSH MOUNTED WITH COVER PLATE AS PER OWNER; IN UNFINISHED SPACES, PROVIDE FLUSH MOUNTED OR SURFACE MOUNTED IN A SUITABLE NEMA-1 ENCLOSURE, (WP) INDICATES MOUNTING IN A SUITABLE NEMA-3R ENCLOSURE

ELECTRICAL PANEL, REFER TO THE SINGLE LINE DIAGRAM AND RESPECTIVE PANEL SCHEDULE

J — ELECTRICAL JUNCTION BOX (J-BOX), AS INDICATED ON THE DRAWINGS, WHERE JUNCTION BOX SERVES EQUIPMENT, PROVIDE COMPLETE CONNECTION TO EQUIPMENT

J_{EF} — EXHAUST FAN CONNECTION (EF), PROVIDE COMPLETE CONNECTION TO EQUIPMENT (BRANCH CIRCUIT OVERCURRENT DEVICE SERVES AS MOTOR DISCONNECTING MEANS AS PER NEC ARTICLE 430.109(B))

LC — INTEGRATED OUTDOOR LIGHTING CONTROLLER [LC], WALL MOUNTED, TWO (2) UL924 RELAYS FOR CONTROLLING EMERGENCY CIRCUITS, HUBBELL #CX-24-2-S-24-3L-M-TAA (OR EQUIVALENT)

PC — PHOTOCELL [PC], REFER TO SPECIFICATIONS, WALL MOUNTED

INDICATES HOME RUN OF WIRING TO PANEL AND CIRCUIT INDICATED

E — INDICATES EMERGENCY CIRCUIT (-E-)

N — INDICATES EMERGENCY AND NIGHT LIGHTING CIRCUIT (-N-)

LC — INDICATES PASS CIRCUIT THROUGH INTEGRATED OUTDOOR LIGHTING CONTROLLER (-C-)

(2) ▼ — TELEPHONE/DATA OUTLET AND WIRING ,FLUSH MOUNTED, PROVIDE OUTLET BOX AND A (1") CONDUIT WITH PULL WIRE RUN FROM OUTLET STUBBED AND CAPPED INTO NEARBY ACCESSIBLE CEILING SPACE, NUMBER IN PARENTHESIS INDICATES QUANTITY OF DATA CABLES; (+) INDICATES ABOVE COUNTER MOUNTING HEIGHT OR WALL MOUNTED TELEPHONE MOUNTING HEIGHT (COORDINATE WITH ARCHITECT/OWNER DURING CONSTRUCTION), (*) INDICATES MOUNTED HIGH ON WALL AT DISPLAY/SCREEN OR ABOVE BOARD, (WIFI) INDICATES AT CEILING FOR WIFI DEVICE, SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAIL

(2) WIFI ▼

COMBINATION POWER AND TELEPHONE/DATA OUTLET, WITH POWER AND DATA WIRING, FLUSH MOUNTED IN FLOOR, PROVIDE WITH POWER WIRING AS SHOWN ON DRAWINGS, PROVIDE TWO (2) (1") CONDUITS (WITH PULL WIRES) RUN FROM OUTLET STUBBED AND CAPPED INTO NEARBY ACCESSIBLE CEILING SPACE (FOR TELEPHONE/DATA), , NUMBER IN PARENTHESIS INDICATES QUANTITY OF DATA CABLES; ALIGN/ORIENT BOX (I.E. DIRECTION COMPARED TO FLOOR LAYOUT THAT THE "LONG" DIMENSION OF THE BOX FACES) AS DIRECTED BY THE OWNER AND ARCHITECT DURING CONSTRUCTION PRIOR TO COMPLETELY COORDINATE THE BOX INSTALLATION WITH GENERAL CONSTRUCTION FLOOR FINISHING FOR A COMPLETE INSTALLATION; PROVIDE FULLY ADJUSTABLE LARGE CAPACITY METAL FLOOR BOX WITH NOMINAL OVERALL DIMENSIONS 13.5" LONG X 10" WIDE X 2.5" DEEP (345 mm X 255 mm X 65 mm), WITH ACCESS HATCH COVER PLATE (WITH WIRE MANAGEMENT BLOCKS), UTILIZE CARPET TRIM TYPE COVER PLATE (WITH CARPET INSERT MATCHING FLOOR CARPET) WHERE BOX IS INSTALLED IN CARPETED FLOORING, UTILIZE CARPET TRIM TYPE COVER PLATE WHERE BOX IS INSTALLED IN UNCARPETED FLOORS; PROVIDE WITH ONE (1) 20 A, 120 V DUPLEX RECEPTACLE (NEMA 5-20R); PROVIDE WITH CUSTOM INSERT PLATES TO FACILITATE OWNER SUPPLIED JACKS AND COVER PLATES, EXACT BOX TYPE COMPATIBLE WITH FLOOR CONSTRUCTION; PROVIDE BOX AS LEGRAND/WIREMOLD/WALKER #RFB4-SS (FOR ABOVE GRADE APPLICATIONS) OR #RFB4-CI (FOR AT/BELOW GRADE APPLICATIONS) WITH #RAKMII (CARPET INSTALLATION) OR #RAKMII-R (HARD FLOOR) COVER, AND WITH CUSTOM INSERT PLATES, SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAILS

HDMI ▽ — AUDIO/VISUAL HDMI OUTLET, FLUSH MOUNTED, PROVIDE OUTLET BOX IN WALL AND (1") CONDUIT WITH PULL WIRE. RUN FROM OUTLET STUBBED AND CAPPED INTO NEARBY ACCESSIBLE CEILING SPACE, (+) INDICATES ABOVE COUNTER MOUNTING HEIGHT OR WALL MOUNTED TELEPHONE MOUNTING HEIGHT (COORDINATE WITH ARCHITECT/OWNER DURING CONSTRUCTION), (*) INDICATES MOUNTED HIGH ON WALL AT DISPLAY/SCREEN OR ABOVE BOARD, SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAILS

GAN — EMERGENCY GENERATOR REMOTE ANNUNCIATOR PANEL [GAN], EXACT TYPE TO MATCH EMERGENCY GENERATOR, FLUSH MOUNTED, REFER TO THE SINGLE LINE DIAGRAM AND THE SPECIFICATIONS

F/A — FIRE ALARM CONTROL PANEL [F/A], ADDRESSABLE ANALOG TYPE. WITH INTEGRAL BATTERY BACKUP. WITH MINIMUM POINT ADDRESSES ACCORDINGLY FOR CONNECTED DEVICES (OR 197 POINT ADDRESSES, WHICHEVER IS GREATER), WITH PROVISIONS TO EXPAND UP TO NOT LESS THAN 750 POINTS BY ADDING ADDRESSABLE ANALOG MODULES, WITH INTEGRAL 80-CHARACTER (MINIMUM) KEYBOARD DISPLAY UNIT; PROVIDE A TELEPHONE/DATA OUTLET (AS INDICATED ELSEWHERE ON THE ELECTRICAL SYMBOL LIST) MOUNTED ADJACENT TO CONTROL PANEL AND PROVIDE 27 mm (1") CONDUIT (WITH PULL WIRE) RUN FROM TELEPHONE/DATA OUTLET RUN TO THE MAIN TELEPHONE BACKBOARD, SEE RESPONSIBILITY SCHEDULE

ANN — FIRE ALARM REMOTE ANNUNCIATOR PANEL [ANN], 80-CHARACTER (MINIMUM) ALPHANUMERIC TYPE, EXACT MATCHING FIRE ALARM CONTROL PANEL, FLUSH MOUNTED, RED OR BEIGE FINISH AS PER OWNER, SEE RESPONSIBILITY SCHEDULE

F — CEILING FIRE ALARM AUDIO/VISUAL HORN/STROBE, ADA COMPLIANT TYPE PROVIDING ADA COMPLIANT COVERAGE, WITH SYNCHRONIZED TYPE STROBE, SEMI-FLUSH MOUNTED, SEE RESPONSIBILITY SCHEDULE; (WP) INDICATES WEATHERPROOF TYPE

F — WALL FIRE ALARM AUDIO/VISUAL HORN/STROBE, ADA COMPLIANT TYPE PROVIDING ADA COMPLIANT COVERAGE, WITH SYNCHRONIZED TYPE STROBE, SEMI-FLUSH MOUNTED, SEE RESPONSIBILITY SCHEDULE; (WP) INDICATES WEATHERPROOF TYPE

F — CEILING FIRE ALARM VISUAL ONLY STROBE, ADA COMPLIANT TYPE PROVIDING ADA COMPLIANT COVERAGE, SYNCHRONIZED TYPE, FLUSH MOUNTED, SEE RESPONSIBILITY SCHEDULE

F — FIRE ALARM VISUAL ONLY STROBE, ADA COMPLIANT TYPE PROVIDING ADA COMPLIANT COVERAGE, SYNCHRONIZED TYPE, FLUSH MOUNTED, SEE RESPONSIBILITY SCHEDULE

F — FIRE ALARM MANUAL PULL STATION [F], METAL, NON-CODED, DOUBLE ACTION TYPE, FLUSH MOUNTED, ADDRESSABLE TYPE, SEE RESPONSIBILITY SCHEDULE

S — FIRE ALARM SMOKE DETECTOR (S), ADDRESSABLE ANALOG PHOTOELECTRIC TYPE, WITH SUITABLE BASE, SEE RESPONSIBILITY SCHEDULE

S CO — FIRE ALARM COMBINATION SMOKE AND CARBON MONOXIDE (CO) DETECTOR (S)/CO, ADDRESSABLE ANALOG PHOTOELECTRIC TYPE, WITH SUITABLE BASE, SEE RESPONSIBILITY SCHEDULE

H — FIRE ALARM HEAT DETECTOR (H), ADDRESSABLE ANALOG TYPE, 57 DEGREES C (135 DEGREES F) FIXED AND RATE-OF-RISE (ROR) OPERATION (UNLESS INDICATED OTHERWISE), WITH SUITABLE BASE; FOR HIGH AMBIENT TEMPERATURE LOCATIONS (NORMALLY EXCEEDING 38 DEGREES C (100 DEGREES F) SUCH AS UNCONDITIONED ATTICS AND SIMILAR UNINSULATED SPACES) UTILIZE HIGH-TEMPERATURE DETECTORS AS RECOMMENDED BY THE MANUFACTURER FOR THE APPLICATION (FIXED-TEMPERATURE DETECTORS WITHOUT ROR MAY BE USED); (*) INDICATES MOUNT ABOVE DROP CEILING (WHERE ABOVE-CEILING DETECTOR IS SHOWN IN CONJUNCTION WITH DETECTOR BELOW THE CEILING, MOUNT ABOVE-CEILING DETECTOR AS CLOSE AS PRACTICAL TO DIRECTLY ABOVE THE BELOW-CEILING DETECTOR [FOR DROP CEILINGS, MOUNT ABOVE THE CEILING TILE CONTAINING THE BELOW-CEILING DETECTOR]), SEE RESPONSIBILITY SCHEDULE

200 DEG H — FIRE ALARM HEAT DETECTOR - 200 DEGREE TYPE ["H IN A CIRCLE WITH A "200 DEG" SUBSCRIPT]

FS — SPRINKLER SYSTEM FLOW SWITCH CONNECTION [FS], FURNISHED AND INSTALLED ON PIPING AS PART OF PIPING INSTALLATION AND WIRED TO FIRE ALARM SYSTEM (VIA LOCAL ADDRESSABLE IDENTIFICATION MODULE), SEE RESPONSIBILITY SCHEDULE

TS — SPRINKLER SYSTEM TAMPER SWITCH CONNECTION [TS], FURNISHED AND INSTALLED ON PIPING AS PART OF PIPING INSTALLATION AND WIRED TO FIRE ALARM SYSTEM (VIA LOCAL ADDRESSABLE IDENTIFICATION MODULE , SEE RESPONSIBILITY SCHEDULE

SEC — SECURITY ACCESS SYSTEM CONTROL PANEL [SEC] MOUNTING AND WIRING ; SEE RESPONSIBILITY SCHEDULE

CR — CARD READER OUTLET [CR] AND WIRING. PROVIDE SUITABLE OUTLET BOX (OF A TYPE ACCEPTABLE TO THE OWNER) IN WALL AND 21 mm (3/4") CONDUIT (WITH PULL WIRE) RUN FROM OUTLET TO SECURITY ACCESS SYSTEM DOOR JUNCTION BOX (OR SECURITY CONTROL PANEL WHERE SECURITY ACCESS SYSTEM DOOR JUNCTION BOX IS NOT SHOWN AT THE DOOR); SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAILS/SCHEMATICS

J_S — SECURITY ACCESS SYSTEM DOOR JUNCTION BOXES (J-S), LOCATE ON SECURE SIDE OF DOOR, EC SHALL PROVIDE TWO (2) SUITABLE OUTLET BOXES (ONE FOR 120 V POWER AND ONE FOR LOW VOLTAGE CONTROLS, OF TYPES ACCEPTABLE TO THE OWNER) AND 27 mm (1") CONDUIT RUN FROM LOW VOLTAGE JUNCTION BOX STUBBED AND CAPPED INTO ACCESSIBLE CEILING SPACE; EC SHALL PROVIDE 120 V POWER (TO POWER SUPPLY PRIMARY) WIRING TO POWER JUNCTION BOX AS SHOWN ON THE DRAWINGS/SPECIFICATIONS, SEE RESPONSIBILITY SCHEDULE

DC — DOOR MONITORING CONTACT CONNECTION AND WIRING [DC], PROVIDE (3/4") CONDUIT AND WIRING RUN FROM LATCH TO SECURITY ACCESS SYSTEM DOOR JUNCTION BOX, SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAILS

DR — DOOR RELEASE LATCH (OR MAGNETIC LOCK) CONNECTION AND WIRING [DR], LATCH FURNISH INTEGRAL TO DOOR FRAME, PROVIDE (3/4") CONDUIT RUN FROM LATCH TO SECURITY ACCESS SYSTEM DOOR JUNCTION BOX, SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAILS/SCHEMATICS

(1) — CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM SECURITY MONITORING CAMERA OUTLET AND WIRING , PROVIDE SUITABLE OUTLET BOX (OF A TYPE ACCEPTABLE TO THE OWNER) IN WALL (3/4") CONDUIT (WITH PULL WIRE) RUN FROM OUTLET TO CCTV HEAD END EQUIPMENT, SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAILS

AI — AI-PHONE [AI]. "WP" INDICATES NEMA 3R LOCATION, SEE RESPONSIBILITY SCHEDULE AND SYSTEMS WIRING DETAILS

J_{WP} — JUNCTION BOX WITH CONDUIT ["J" IN A CIRCLE]. "WP" INDICATES WEATHERPROOF BOX

N.E.C. — NATIONAL ELECTRICAL CODE (NEC), LATEST ADOPTED EDITION

E.C. — ELECTRICAL CONTRACTOR (EC), REFERENCES ELECTRICAL TRADES (ALL WORK IS BY THE CONTRACTOR, DIFFERENT TRADES ARE FOR REFERENCE ONLY)

M.C. — MECHANICAL CONTRACTOR (MC), REFERENCES MECHANICAL TRADES IN GENERAL (MECHANICAL, HVAC, ATC, PLUMBING, FIRE PROTECTION, ETC.), REFER TO MECHANICAL DOCUMENTS FOR DISTINCTION BETWEEN TRADES (ALL WORK IS BY THE CONTRACTOR, DIFFERENT TRADES ARE FOR REFERENCE ONLY)

G.C. — GENERAL CONTRACTOR (GC), REFERENCES GENERAL CONSTRUCTION TRADES IN GENERAL (CARPENTRY, STEEL, CONCRETE, SITE, ETC.), REFER TO ARCHITECTURAL AND SITE DOCUMENTS FOR DISTINCTION BETWEEN TRADES (ALL WORK IS BY THE CONTRACTOR, DIFFERENT TRADES ARE FOR REFERENCE ONLY)

ELECTRICAL NOTES

1) PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), OSHA REQUIREMENTS, ALL FEDERAL, STATE, AND LOCAL CODES AND ALL OWNER REQUIREMENTS.

2) INCLUDE ALL TEMPORARY POWER AND LIGHTING, PERMIT, LICENSE, AND INSPECTION COSTS IN BID.

3) VERIFY EXACT LOCATIONS AND MOUNTING OF ALL LUMINAIRES, SWITCHES, RECEPTACLES, OUTLETS, FIRE ALARM, AND OTHER EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND IN THE FIELD PRIOR TO ROUGH IN.

4) VERIFY ELECTRICAL RATINGS, CONNECTION REQUIREMENTS, AND EXACT LOCATIONS OF ALL MECHANICAL, KITCHEN, AND OTHER UTILIZATION EQUIPMENT (WHERE APPLICABLE) IN FIELD PRIOR TO PURCHASING ASSOCIATED ELECTRICAL EQUIPMENT. PROVIDE A COMPLETE AND WORKING INSTALLATION.

5) THE TERM "PROVIDE" MEANS, "FURNISHED AND INSTALLED BY THE CONTRACTOR", AND THE TERMS "ELECTRICAL CONTRACTOR" AND "EC" MEAN "CONTRACTOR", UNLESS INDICATED OTHERWISE. ALL WORK INDICATED ON THE ELECTRICAL DRAWINGS AND ELECTRICAL SPECIFICATIONS IS BY THE EC (UNLESS INDICATED OTHERWISE) AND IS NEW (UNLESS INDICATED OTHERWISE). WHERE THE PROJECT IS PERFORMED BY MULTIPLE PRIME CONTRACTORS UNDER "MULTIPLE PRIME BIDS" THIS DESIGNATES THE WORK BY THE ELECTRICAL PRIME CONTRACTOR. WHERE THE PROJECT IS PERFORMED BY A SINGLE OVERALL CONTRACTOR UNDER "LUMP SUM BIDS" THIS APPROXIMATELY DESIGNATES THE WORK BY THE ELECTRICAL TRADE SUBCONTRACTOR (EXACT DIVISION OF TRADE SUBCONTRACTOR WORK IS THE SOLE RESPONSIBILITY OF THE SINGLE OVERALL CONTRACTOR; TRADE SUBCONTRACTOR WORK DIVISION SHOWN ON THE DRAWINGS/SPECIFICATIONS IS FOR REFERENCE AND CONVENIENCE ONLY).

6) COORDINATE ALL REQUIRED SHUTDOWNS WITH THE OWNER (AND UTILITY COMPANY WHERE APPLICABLE) A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE. INCLUDE ALL COSTS IN BID DIFFERENTIAL, SHIFT, OVERTIME, PRIME, SUPPLEMENTAL, ETC.) TO PERFORM ALL SHUTDOWNS (INCLUDING SHUTDOWNS FOR AREAS WHICH MAY BE UNOCCUPIED DURING CONSTRUCTION) AFTER THE OWNER'S NORMAL BUSINESS OR WORKING HOURS (INCLUDE COSTS FOR ANY DAYS OF THE WEEK, WEEKENDS, AND HOLIDAYS) AS COORDINATED IN DETAIL WITH THE OWNER. NO EXTRA CLAIMS OR COMPENSATION WILL BE GRANTED FOR COSTS ASSOCIATED WITH PERFORMING SHUTDOWNS UNDER ANY CIRCUMSTANCE.

7) PROVIDE MOUNTING HEIGHTS OF EQUIPMENT AS PER ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND STANDARDS, INCLUDING ALL APPLICABLE DISABLED (HANDICAPPED) ACCESS CODES AND THE AMERICANS WITH DISABILITIES ACT (ADA). CONTACT ALL AUTHORITIES HAVING JURISDICTION AND VERIFY REQUIRED MOUNTING HEIGHTS.

8) VERIFY ALL UTILITY (ELECTRIC, TELEPHONE, DATA, CABLE TELEVISION, OR OTHER UTILITIES, WHERE APPLICABLE) REQUIREMENTS IN WRITING WITH EACH UTILITY AND OBTAIN ACCEPTANCE FROM ALL UTILITIES (INCLUDING SUBMITTING ALL SERVICE APPLICATIONS AND SHOP DRAWINGS ON SERVICE-RELATED EQUIPMENT TO UTILITIES) PRIOR TO ROUGH-IN OR PURCHASING ANY SERVICE-RELATED EQUIPMENT. THE ELECTRICAL CONTRACTOR IS SOLELY RESPONSIBLE TO SUBMIT, APPLY, MEET UTILITIES ON SITE, FULLY COORDINATE, AND VERIFY SERVICE REQUIREMENTS WITH UTILITIES (INCLUDE ALL COSTS IN BID). NO EXTRA CLAIMS OR COMPENSATION WILL BE GRANTED UNDER ANY CIRCUMSTANCE ASSOCIATED WITH FAILURE TO FULLY COORDINATE WITH OR OBTAIN FULL ACCEPTANCE FROM UTILITIES.

9) PERFORM ALL WORK IN PHASES AND SEQUENCES AS DIRECTED BY THE ARCHITECT. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. FULLY COORDINATE PHASES/SEQUENCES IN DETAIL WITH ALL CONTRACTORS/TRADES, THE ARCHITECT, AND THE OWNER PRIOR TO PERFORMING WORK AND INCLUDE ALL COSTS IN BID.

10) COMPLETELY DISCONNECT AND REMOVE ALL EXISTING WIRING AND ELECTRICAL EQUIPMENT, UNLESS SPECIFICALLY INDICATED OTHERWISE.

11) WHERE EXISTING WIRING BEING REMOVED (AS INDICATED ABOVE) OR OTHERWISE AFFECTED BY CONSTRUCTION (BY ANY CONTRACTOR OR TRADE, INCLUDING GENERAL CONSTRUCTION, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, AND OTHERS) FEEDS LOADS WHICH REMAIN OR FEEDS LOADS IN ADJACENT OR OTHER AREAS NOT WITHIN THE SCOPE OF WORK, THE WIRING SHALL REMAIN, RELOCATE, EXTEND, AND/OR RE-FEED EXISTING WIRING TO MAINTAIN SERVICE, UNLESS INDICATED OTHERWISE. BASE PRICING ON THE ASSUMPTION THAT RELOCATING, EXTENDING, AND RE-FEEDING IS NECESSARY IN ALL AREAS OF DEMOLITION AND ALL AREAS OF PROPOSED NEW WORK (BY ANY TRADE), UNLESS ACTUALLY VERIFIED OTHERWISE BY THE ELECTRICAL CONTRACTOR. INCLUDE ALL COSTS IN BID.

12) WHERE RE-FEEDING EXISTING ELECTRICAL CIRCUITS AND LOADS, VERIFY ALL REQUIREMENTS IN THE FIELD AND INCLUDE ALL COSTS IN BID. VERIFY EXACT CONDUCTOR TYPE, SIZES, AND AMPACITY, CIRCUIT BREAKER AND/OR FUSE AMPS, LOAD NAMEPLATE RATINGS, CONDUIT SIZES, AND CONDITION. WHEN RE-FEEDING EQUIPMENT, PROVIDE ALL NEW WIRING DIRECTLY TO THE EQUIPMENT. DO NOT REUSE EXISTING WIRING TO RE-FEED EQUIPMENT, UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.

13) INFORMATION REGARDING EXISTING CONDITIONS AND EQUIPMENT AND ALL INFORMATION REGARDING REMOVALS (INCLUDING INFORMATION REGARDING THE SCOPE OF REMOVALS ON ARCHITECTURAL DRAWINGS) INDICATES GENERAL CONDITIONS AND ARE A GUIDE TO PRICING ONLY. PRIOR TO SUBMITTING BID, VISIT THE PROJECT SITE AND VERIFY ALL EXISTING CONDITIONS AND EQUIPMENT, ALL REMOVALS AND REQUIREMENTS, AND ALL TIE-INS TO EXISTING EQUIPMENT AND WIRING IN DETAIL. INCLUDE ALL COSTS IN BID. NO EXTRA CLAIMS OR COMPENSATION WILL BE GRANTED FOR NOT FIRST VERIFYING ALL CONDITIONS.

14) FOR ALL NEW CIRCUIT BREAKERS IN EXISTING BRANCH PANELS, PROVIDE CIRCUIT BREAKERS MATCHING AND COMPATIBLE WITH EXISTING CIRCUIT BREAKERS. PROVIDE WITH SHORT CIRCUIT INTERRUPTING RATINGS EQUAL TO OR EXCEEDING THE HIGHEST RATED EXISTING BRANCH CIRCUIT BREAKER IN THE PANEL. CIRCUIT BREAKER TYPES INDICATED ON THE DRAWINGS (WHERE APPLICABLE) ARE GUIDES TO PRICING ONLY. VERIFY EXACT TYPE AND ALL REQUIREMENTS IN FIELD PRIOR TO RELEASING EQUIPMENT.

15) FOR ALL WIRING AND WORK INDICATED, INCLUDING ALL SYSTEMS (POWER, LIGHTING, FIRE ALARM, CONTROL, SIGNAL, SOUND, TELECOMMUNICATIONS, DATA, AND ALL OTHER SYSTEMS, WHERE APPLICABLE), PROVIDE ALL NEW CONDUITS, RACEWAYS, OUTLETS, AND CONDUCTORS. INCLUDE ALL COSTS IN BID. WHERE EXISTING CONDUITS AND RACEWAYS ARE DETERMINED BY THE ENGINEER TO BE IN ADEQUATE CONDITION, AND WHERE SPECIFICALLY ACCEPTABLE TO THE OWNER, ARCHITECT, AND ENGINEER, EXISTING CONDUITS AND RACEWAYS MAY BE REUSED. PROVIDE AN ADDITIONAL SEPARATE GROUNDING CONDUCTOR, IN ADDITION TO OTHER GROUNDING CONDUCTORS SPECIFIED, AND BOND TO ALL RACEWAYS, CONDUITS, BOXES, AND OUTLETS WHERE RACEWAYS ARE REUSED. DO NOT DEPEND ON EXISTING CONDUITS/RACEWAYS FOR GROUNDING PATHS. REUSE EXISTING CONDUCTORS ONLY WHERE SPECIFICALLY INDICATED ON THE DRAWINGS.

16) PROVIDE ENGRAVED LAMINATED PLASTIC NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT (INCLUDING, BUT NOT LIMITED TO, SAFETY SWITCHES, ENCLOSED CIRCUIT BREAKERS, BRANCH PANELS, TRANSFORMERS, FUSED EQUIPMENT, POWER OUTLETS, THERMAL OVERLOAD SWITCHES, PHOTOCELLS, METER SOCKETS, FIRE ALARM DEVICES, LIGHTING CONTROLLERS, GENERATORS, MOTOR CONTROLS, SWITCHES AND RECEPTACLES SERVING EQUIPMENT, ETC., WHERE APPLICABLE), REFER TO SPECIFICATIONS FOR INFORMATION.

17) COMPLETELY TEST AND CERTIFY THE ENTIRE FIRE ALARM SYSTEM THROUGHOUT THE ENTIRE BUILDING TO DEMONSTRATE CAPABILITY AND COMPLIANCE WITH REQUIREMENTS (INCLUDING ALL CODE A

PROJ. NUM: #7884

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ALL WORK SHOWN ON THESE ELECTRICAL PLANS SHALL BE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE

	PANEL - GLCMB (NEW)							VOLTAGE - 120/ 208															
	FOR - GENSET EQUIPMENT							PHASE - 1 PH-3W															
	LOCATION - INTEGRAL TO "GEN-MB"							MAIN - 125 A MLO															
	A.I.C. - 10,000 A							MOUNTING- SURFACE															
DESCRIPTION	LTG. VA	EQUIP VA	HVAC VA	BKR AMPS	BUS CONNECTION			BKR AMPS	HVAC VA	EQUIP VA	LTG. VA	DESCRIPTION											
#GB-1 GENSET. ENGINE BLOCK HTR.			4,000	30	2	1	A	2	20	2	1,000		#GH-1 GENSET BATTERY HEATER									
						3	B	4															
#GS-1 GENSET. STRIP HEATER			2,000	20	2	5	A	6	20	1	200		#GC-1 GENSET. BATTERY CHARGER									
						7	B	8	20	1	200		#GR-1 GENSET. ENCLOSURE RECEP.									
SPACE						9	A	10					SPACE										
SPACE						11	B	12					SPACE										
TOTALS	0	0	6,000						1,000	400	0	TOTALS											

LOAD DESCRIPTION (CONNECTED/DEMAND)	CONN. VA	DMD VA
LIGHTING	0	0
GENERAL POWER	400	200
HVAC EQUIPMENT	7,000	7,000
TOTAL	7,400	7,200
PERCENT LOADED	59%	58%

PANEL SCHEDULE
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PHASE BALANCE VA	
A	3,700
B	3,700
TOTAL	7,400
SD (σ)	0

NOTES:
1) THIS LOAD CENTER IS NEW BY THE E.C.. INSTALL INTEGRAL TO GENERATOR AND WIRE ALL GENERATOR ANCILLARY EQUIPMENT TO THIS LOAD CENTER. COMPACT LOAD CENTER WITH PLUG-IN CIRCUIT BREAKERS MAY BE USED TO FACILITATE INSTALLING IN GENERATOR.
2) ELECTRICAL CHARACTERISTICS FOR GENERATOR ACCESSORY EQUIPMENT ARE APPROXIMATE AS A GUIDE TO PRICING. EXACT ELECTRICAL CHARACTERISTICS FOR THIS EQUIPMENT VARIES FOR DIFFERENT TYPES, SIZES, AND MANUFACTURERS OF GENERATOR SETS. PROVIDE COMPLETE WIRING TO EQUIPMENT ACCORDINGLY TO FACILITATE EQUIPMENT ACTUALLY INSTALLED. COORDINATE ALL REQUIREMENTS WITH PROPOSED/POTENTIAL GENERATOR SUPPLIERS BEFORE SUBMITTING BID AND INCLUDE ALL COSTS IN BID.

	PANEL - LSMB (NEW)							VOLTAGE - 120/ 208															
	FOR - LIFE SAFETY LIGHTING							PHASE - 3 PH-4W															
	LOCATION - #111 UTILITY							MAIN - 125 A MLO															
	A.I.C. - 22,000 A							MOUNTING- SURFACE															
DESCRIPTION	LTG. VA	EQUIP VA	HVAC VA	BKR AMPS	BUS CONNECTION			BKR AMPS	HVAC VA	EQUIP VA	LTG. VA	DESCRIPTION											
OUTDOOR LIGHTS	650			20	1	1	A	2	20	1		200	FIRE ALARM CONTROLS										
NIGHT LIGHTS	480			20	1	3	B	4	20	1			SPARE										
EMERGENCY LIGHTS	360			20	1	5	C	6	20	1			SPARE										
SPARE				20	1	7	A	8	20	1			SPARE										
SPARE				20	1	9	B	10	20	1			SPARE										
SPARE				20	1	11	C	12	20	1			SPARE										
SPARE				20	1	13	A	14	20	1			SPARE										
SPARE				20	1	15	B	16	20	1			SPARE										
SPARE				20	1	17	C	18	20	1			SPARE										
SPARE				20	1	19	A	20	20	1			SPARE										
SPARE				20	1	21	B	22	20	1			SPARE										
SPARE				20	1	23	C	24	20	1			SPARE										
SPARE				20	1	25	A	26	20	1			SPARE OR TVSS (SEE NOTE #3)										
SPARE				20	1	27	B	28	20	1			SPARE OR TVSS (SEE NOTE #3)										
SPARE				20	1	29	C	30	20	1			SPARE OR TVSS (SEE NOTE #3)										
TOTALS	1,490	0	0								0	200	0	TOTALS									

LOAD DESCRIPTION (CONNECTED/DEMAND)	CONN. VA	DMD. VA
LIGHTING	1,490	1,490
GENERAL POWER	200	100
HVAC EQUIPMENT	0	0
TOTAL	1,690	1,590
PERCENT LOADED	8%	7%

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PHASE BALANCE VA	
A	850
B	480
C	360
TOTAL	1,690
SD (σ)	209

NOTES:
1) THIS PANEL IS NEW BY THE E.C..
2) PROVIDE PANEL WITH DOOR-IN-DOOR COVER.
3) PROVIDE PANEL WITH INTEGRAL TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS). PROVIDE TVSS EITHER DIRECTLY BUS-CONNECTED (USING TVSS LISTED FOR DIRECT BUS CONNECTION WITHOUT OVERCURRENT PROTECTION) OR CONNECTING THROUGH BRANCH CIRCUIT BREAKER (USING 3-POLE BRANCH CIRCUIT BREAKER WITH EXACT AMPERE RATING AS PER TVSS MANUFACTURER). WHERE DIRECTLY CONNECTED, PROVIDE SPARE CIRCUIT BREAKERS AS NOTED ON SCHEDULE ABOVE. WHERE CONNECTED THROUGH BRANCH CIRCUIT BREAKER, 3-POLE TVSS BREAKER TAKES THE PLACE OF THE THREE (3) SPARE CIRCUIT BREAKERS NOTED ON SCHEDULE ABOVE

	PANEL - P1 (EXISTING)							VOLTAGE - 120/ 208															
	FOR - POWER & LIGHTING							PHASE - 3 PH-4W															
	LOCATION - #111 UTILITY							MAIN - 200 A MCB															
	A.I.C. - 22,000 A							MOUNTING- SURFACE															
DESCRIPTION	LTG. VA	EQUIP VA	HVAC VA	BKR AMPS	BUS CONNECTION			BKR AMPS	HVAC VA	EQUIP VA	LTG. VA	DESCRIPTION											
SPACE						1	A	2					SPACE										
(REM) C-1				15	1	3	B	4	20	2			(REM) HTR. FRONT DOOR ADDITION										
(REM) A/C COMP. ADDITION.				30	2	5	C	6															
				7	A	8	20	1					(REM) TAX COL. UNIT										
(REM) WATER HEATER				30	2	9	B	10	20	2			(REM) HTR. SIDE DOOR ADDITION										
				17	C	18	15	1															
(REM) KITCHEN AREA RECEP.				20	1	13	A	14	20	1			(REM) TAX										
(REM) 7.5-TON A/C				60	2	15	B	16	15	1			(REM) TAX										
				17	C	18	15	1															
(REM) ROCHESTER				20	1	19	A	20	20	3			(REM) 3-PHASE SOUTH AHU										
(REM) TELE POLE				15	1	21	B	22					SPARE										
(REM) EXISTING CIRCUIT				15	1	23	C	24					SPARE										
(REM) QUAD RECEP.				15	1	25	A	26	20	1			(REM) EXHAUST TAX COL.										
(REM) A/C				40	2	27	B	28	60	2			(REM) A/C (6)										
				29	C	30																	
(REM) PANEL "AON"				70	3	31	A	32					(BLANK)										
				33	B	34							(BLANK)										
				35	C	36							(BLANK)										
(REM) PANEL "ACS"				70	3	37	A	38					(BLANK)										
				39	B	40							(BLANK)										
				41	C	42							(BLANK)										
TOTALS	0	0	0								0	0	0	TOTALS									

LOAD DESCRIPTION (CONNECTED/DEMAND)	CONN. VA	DMD. VA
LIGHTING	0	0
GENERAL POWER	0	0
HVAC EQUIPMENT	0	0
TOTAL	0	0
PERCENT LOADED	0%	0%

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PHASE BALANCE VA	
A	0
B	0
C	0
TOTAL	0
SD (σ)	0

NOTES:
1) THIS PANEL IS EXISTING TO REMAIN. THIS SCHEDULE SHOWS EXISTING CONDITIONS. REFER TO PANEL SCHEDULE "P1 (PROPOSED)" FOR PANEL MODIFICATIONS.
2) EXISTING PANEL IS SQUARE-D TYPE "NQOD".
(EX) INDICATES EXISTING CIRCUIT, DISCONNECT FROM EXISTING CIRCUIT BREAKER, REMOVE EXISTING CIRCUIT BREAKER, AND RECONNECT CIRCUIT TO NEW CIRCUIT BREAKER (SEE PROPOSED PANEL SCHEDULE).
(REM) INDICATES REMOVE EXISTING CIRCUIT.

	PANEL - P1 (PROPOSED)							VOLTAGE - 120/ 208															
	FOR - POWER & LIGHTING							PHASE - 3 PH-4W															
	LOCATION - #111 UTILITY							MAIN - 200 A MCB															
	A.I.C. - 22,000 A							MOUNTING- SURFACE															
DESCRIPTION	LTG. VA	EQUIP VA	HVAC VA	BKR AMPS	BUS CONNECTION			BKR AMPS	HVAC VA	EQUIP VA	LTG. VA	DESCRIPTION											
MEETING LIGHTS *	600			20*	1	1	A	2	20*	1		1,000	MEETING RECEP. *										
MEETING LIGHTS *	600			20*	1	3	B	4	20*	1		1,000	MEETING RECEP. *										
#AHU-1 AIR HANDLER *			1,410	20*	1	5	C	6	20*	1		800	MEETING RECEP. *										
#AHU-2 AIR HANDLER *			1,410	20*	1	7	A	8	20*	1		600	MEETING RECEP. *										
#EBB-104A, #EBB-104B, #EBB-104C			3,000	20*	2	9	B	10	20*	1		400	MEETING RECEP. *										
						11	C	12	20*	1		1,000	MEETING RECEP. *										
#EUH-002 ELECTRIC UNIT HEATER *			3,000	20*	2	13	A	14	20*	1		1,200	STORAGE RECEP. *										
						15	B	16	20*	1	900		#AF-1A, #AF-1B, #AF-1C *										
#ELH-111 ELECTRIC UNIT HEATER *			3,000	20*	2	17	C	18	20*	1	200		#ANT-1 ANTENNA *										
						19	A	20	20*	1			SPARE *										
#GU-1 CONDENSING UNIT *			3,580	50*	2	21	B	22	20*	1			SPARE *										
						23	C	24	20*	1			SPARE *										
#CU-2 CONDENSING UNIT *			3,580	50*	2	25	A	26	20*	1			SPARE *										
						27	B	28	20*	1			SPARE *										
#EHC-1 ELECTRIC REHEAT COIL *			6,600	50*	2	29	C	30	20*	1			SPARE *										
						31	A	32					(BLANK)										
#EHC-2 ELECTRIC REHEAT COIL *			6,600	50*	2	33	B	34					(BLANK)										
						35	C	36					(BLANK)										
NEW PANEL "P4" *				100*	3	37	A	38					(BLANK)										
						39	B	40					(BLANK)										
						41	C	42					(BLANK)										
TOTALS	1,200	0	32,180								900	6,200	0	TOTALS									

LOAD DESCRIPTION (CONNECTED/DEMAND)	CONN. VA	DMD. VA
LIGHTING	1,200	1,200
GENERAL POWER	6,200	3,100
HVAC EQUIPMENT	33,080	33,080
TOTAL	40,480	37,380
PERCENT LOADED	56%	52%

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PHASE BALANCE VA	
A	12,900
B	12,780
C	14,800
TOTAL	40,480
SD (σ)	925

NOTES:
1) THIS PANEL IS EXISTING TO REMAIN. MODIFY EXISTING PANEL AS SHOWN ON THIS PROPOSED PANEL SCHEDULE. REFER TO PANEL SCHEDULE "P1 (EXISTING)" FOR PANEL EXISTING CONDITIONS AND CIRCUIT REMOVALS.
2) EXISTING PANEL IS SQUARE-D TYPE "NQOD".
3) DISCONNECT NEUTRAL-TO-GROUND BONDING AT THIS EXISTING PANEL. DISCONNECT ANY EXISTING GROUNDING RUN TO NEUTRAL BUS AND RECONNECT GROUNDING TO PANEL GROUND BUS. FEEDER GROUND CONDUCTOR IS SIZED AS BOTH ELECTRODE AND EQUIPMENT GROUND TO BOND EXISTING GROUNDING TO NEW GROUNDING ELECTRODE SYSTEM AT "ATS-MB".
(EX) INDICATES EXISTING CIRCUIT, DISCONNECT FROM EXISTING CIRCUIT BREAKER, REMOVE EXISTING CIRCUIT BREAKER (SEE EXISTING PANEL SCHEDULE), AND RECONNECT CIRCUIT TO NEW CIRCUIT BREAKER AS SHOWN ON THIS PROPOSED SCHEDULE.
(REF) INDICATES REFEED EXISTING CIRCUIT FROM NEW PANEL. EXTEND WIRING FROM EXISTING PANEL LOCATION TO NEW PANEL ACCORDINGLY, WITH WIRING TO MATCH EXISTING.
* INDICATES PROVIDE NEW CIRCUIT BREAKER (IN EXISTING SPACE OR IN SPACE FROM REMOVING EXISTING CIRCUIT BREAKER ACCORDINGLY).

	PANEL - P2 (EXISTING)							VOLTAGE - 120/ 208															
	FOR - POWER & LIGHTING							PHASE - 3 PH-4W															
	LOCATION - #111 UTILITY							MAIN - 200 A MCB															
	A.I.C. - 22,000 A							MOUNTING- SURFACE															
DESCRIPTION	LTG. VA	EQUIP VA	HVAC VA	BKR AMPS	BUS CONNECTION			BKR AMPS	HVAC VA	EQUIP VA	LTG. VA	DESCRIPTION											
(REM) EXISTING CIRCUIT				20	1	1	A	2	20	1			(REM) EXISTING CIRCUIT										
(REM) EMERGENCY LIGHTS				20	1	3	B	4	20	1			(REM) EXISTING CIRCUIT										
(REM) EXISTING CIRCUIT				20	1	5	C	6	20	1			(REM) EXISTING CIRCUIT										
(REM) EXISTING CIRCUIT				20	1	7	A	8	20	1			(REM) EXISTING CIRCUIT										
(REM) EXISTING CIRCUIT				20	1	9	B	10	20	1			(REM) EMERGENCY LIGHTS										
(REM) EXISTING CIRCUIT				20	1	11	C	12	20	1			(REM) EXISTING CIRCUIT										
(REM) NIGHT				20	1	13	A	14	20	1			(REM) EXISTING CIRCUIT										
(REM) EXISTING CIRCUIT				20	1	15	B	16	20	1			(REM) EXISTING CIRCUIT										
(REM) EXISTING CIRCUIT				20	1	17	C	18	20	1			(REM) HALL LIGHTS & EMERG.										
(REM) COPIER TOWNSHIP CLERK				20	1	19	A	20	20	1			(REM) REGISTER COURT CLERK										
(REM) EXISTING CIRCUIT				20	1	21	B	22	20	1			(REM) INSPECTION OFFICE LIGHTS										
(REM) MICROWAVE				20	1	23	C	24	20	1			(REM) COMP. RECEP. COPY ROOM										
(REM) OUTSIDE EMT RECEP.				20	1	25	A	26	20	1			(REM) EXISTING CIRCUIT										
(REM) EXISTING CIRCUIT				30	2	27	B	28	20	2			(REM) EXISTING CIRCUIT										
						29	C	30															
(REM) EXISTING CIRCUIT						33	B	34	20	1			(REM) MAYOR OFFICE LIGHTS										
(REM) EXISTING CIRCUIT				20	2	35	C	36	30	2			(REM) BSBD. HEAT CONF. CLERK										
						37	A	38															
(REM) BSBD. HEAT BATHROOMS				20	2	39	B	40	30	2			(REM) BSBD. COURT, CLERK, JUDGE										
						41	C	42															
TOTALS	0	0	0								0	0	0	TOTALS									

LOAD DESCRIPTION (CONNECTED/DEMAND)	CONN. VA	DMD. VA
LIGHTING	0	0
GENERAL POWER	0	0
HVAC EQUIPMENT	0	0
TOTAL	0	0
PERCENT LOADED	0%	0%

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PHASE BALANCE VA	
A	0
B	0
C	0
TOTAL	0
SD (σ)	0

NOTES:
1) THIS PANEL IS EXISTING TO REMAIN. THIS SCHEDULE SHOWS EXISTING CONDITIONS. REFER TO PANEL SCHEDULE "P1 (PROPOSED)" FOR PANEL MODIFICATIONS.
2) EXISTING PANEL IS SQUARE-D TYPE "NQOD".
(EX) INDICATES EXISTING CIRCUIT, DISCONNECT FROM EXISTING CIRCUIT BREAKER, REMOVE EXISTING CIRCUIT BREAKER, AND RECONNECT CIRCUIT TO NEW CIRCUIT BREAKER (SEE PROPOSED PANEL SCHEDULE).
(REM) INDICATES REMOVE EXISTING CIRCUIT.

	PANEL - P2 (PROPOSED)							VOLTAGE - 120/ 208															
	FOR - POWER & LIGHTING							PHASE - 3 PH-4W															
	LOCATION - #111 UTILITY							MAIN - 200 A MCB															
	A.I.C. - 22,000 A							MOUNTING- SURFACE															
DESCRIPTION	LTG. VA	EQUIP VA	HVAC VA	BKR AMPS	BUS CONNECTION			BKR AMPS	HVAC VA	EQUIP VA	LTG. VA	DESCRIPTION											
ATTIC LIGHTS *	1,020			20*	1	1	A	2	20*	1		1,200	ATTIC RECEP *										
CORRIDOR LIGHTS *	1,000			20*	1	3	B	4	20*	1		400	DOOR SECURITY POWER *										
SPARE *				20*	1	5	C	6	20*	1		400	DOOR SECURITY POWER *										
SPARE *				20*	1	7	A	8	20*	1		1,200	TOILET RECEP. *										
SPARE *				20*	1	9	B	10	20*	1		800	CLERK RECEP. *										
SPARE *				20*	1	11	C	12	20*	1		1,400	CLERK RECEP. *										
SPARE (G) *				20G*	1	13	A	14	20*	1		1,400	CONF. RECEP. *										
#SWC-004 WATER COOLER (G) *		900		20G*	1	15	B	16	20*	1		1,200	CORRIDOR RECEP. *										
#EBB-105A, #EBB-105B			1,000	20*	2	17	C	18	20*	1	600		#AF-10, #AF-1EATTIC FANS *										
				19	A	20	20*	1	1,410				#AHU-3 AIR HANDLER *										
#EUH-113 ELECTRIC UNIT HEATER *			3,000	20*	2	21	B	22	20*	1	1,410		#AHU-4 AIR HANDLER *										
				23	C	24	20*	1	1,410				#AHU-5 AIR HANDLER *										
#EUH-114 ELECTRIC UNIT HEATER *			3,000	20*	2	25	A	26	20*	1		500	#ATC-1 ATC HVAC CONTROLS *										
				27	B	28	20*	1				1,920	#HD-112 HAND DRY ER *										
#CU-3 CONDENSING UNIT *			3,580	50*	2	29	C	30	20*	1		1,920	#HD-113 HAND DRY ER *										
				31	A	32	20*	1				1,920	#HD-114 HAND DRY ER *										
#EHC-3 ELECTRIC REHEAT COIL *			6,600	50*	2	33	B	34	20*	1	400		#MVH-1 WATER HEATER *										
				35	C	36	20*	1			200		#SPR-2 SPARE CONNECTION *										
NEW PANEL "P5" *				37	A	38							SPARE *										
				39	B	40	20*	1					SPARE *										
				41	C	42	20*	1					SPARE *										
TOTALS	2,020	900	17,180								5,230	14,460	0	TOTALS									

LOAD DESCRIPTION (CONNECTED/DEMAND)	CONN. VA	DMD. VA
LIGHTING	2,020	2,020
GENERAL POWER	15,360	7,680
HVAC EQUIPMENT	22,410	22,410
TOTAL	39,790	32,110
PERCENT LOADED	55%	45%

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PHASE BALANCE VA	
A	12,440
B	14,330
C	13,020
TOTAL	39,790
SD (σ)	791

NOTES:
1) THIS PANEL IS EXISTING TO REMAIN. MODIFY EXISTING PANEL AS SHOWN ON THIS PROPOSED PANEL SCHEDULE. REFER TO PANEL SCHEDULE "P1 (EXISTING)" FOR PANEL EXISTING CONDITIONS AND CIRCUIT REMOVALS.
2) EXISTING PANEL IS SQUARE-D TYPE "NQOD".
3) DISCONNECT NEUTRAL-TO-GROUND BONDING AT THIS EXISTING PANEL. DISCONNECT ANY EXISTING GROUNDING RUN TO NEUTRAL BUS AND RECONNECT GROUNDING TO PANEL GROUND BUS. FEEDER GROUND CONDUCTOR IS SIZED AS BOTH ELECTRODE AND EQUIPMENT GROUND TO BOND EXISTING GROUNDING TO NEW GROUNDING ELECTRODE SYSTEM AT "ATS-MB".
(EX) INDICATES EXISTING CIRCUIT, DISCONNECT FROM EXISTING CIRCUIT BREAKER, REMOVE EXISTING CIRCUIT BREAKER (SEE EXISTING PANEL SCHEDULE), AND RECONNECT CIRCUIT TO NEW CIRCUIT BREAKER AS SHOWN ON THIS PROPOSED SCHEDULE.
(REF) INDICATES REFEED EXISTING CIRCUIT FROM NEW PANEL. EXTEND WIRING FROM EXISTING PANEL LOCATION TO NEW PANEL ACCORDINGLY, WITH WIRING TO MATCH EXISTING.
* INDICATES PROVIDE NEW CIRCUIT BREAKER (IN EXISTING SPACE OR IN SPACE FROM REMOVING EXISTING CIRCUIT BREAKER ACCORDINGLY).

	PANEL - P3 (EXISTING)							VOLTAGE - 120/ 208															
	FOR - POWER & LIGHTING							PHASE - 3 PH-4W															
	LOCATION - #111 UTILITY							MAIN - 200 A MCB															
	A.I.C. - 22,000 A							MOUNTING- SURFACE															
DESCRIPTION	LTG. VA	EQUIP VA	HVAC VA	BKR AMPS	BUS CONNECTION			BKR AMPS	HVAC VA	EQUIP VA	LTG. VA	DESCRIPTION											
(REM) RECEP. UTIL./TAX (GFCI)				20	1	1	A	2	20	1			(REM) TAX/BLDG. RECEP.										
(REM) TAX, MISC. OFFICE RECEP.				30	1	3	B	4	20	1			(REM) CONF. BLDG. RECEP.										
(REM) TAX, ASS., BLDG. RECEP.				20	1	5	C	6	20	1			(REM) CONF. & CLERK										
(REM) COURTROOM RECEP.				20	1	7	A	8	20	1			(REM) COURTROOM RECEP.										
(REM) TAX COMPUTER				20	1	9	B	10	20	1			(REM) CORRIDOR RECEP.										
				20	1	11	C	12	20	1			(REM) CONF. & CLERK LIGHTS										
(REM) OUTSIDE RECEP.				20	1	13	A	14	20	1			(REM) COURTROOM RECEP.										
(REM) SOUTH EQUIP. EXH. FAN				20	1	15	B	16	20	1			(REM) FRONT BLDG. LIGHTS										
(EX) DISPOSAL SY STEM				20	1	17	C	18	20	1			(REM) REAR BLDG. LIGHTS										
(EX) DISPOSAL SY STEM				20	1	19	A	20	20	1			(REM) FRONT SIGN, FLAG										
(REM) BSBD. HEAT CONST. OFF				30	2	21	B	22	20	1			(REM) BSMT. RECEP.										
				23	C	24	20	1					(REM) MAYOR OFFICE RECEP.										
(REM) BSBD. HEAT TAX COL.				30	2	25	A	26	20	1			(REM) INSPECTION OFFICE RECEP.										
				27	B	28	20	2			

RESPONSIBILITY SCHEDULE

SYSTEM		COMPONENTS	PROVIDED BY CONTRACTOR	FURNISHED BY CONTRACTOR	INSTALLED BY CONTRACTOR	FURNISHED BY OWNER	INSTALLED BY OWNER	OWNER'S VENDOR
OWNERS VENDOR	BELLIA TECNOLOGIES - KEN BELLIA	EMAIL ADDRESS - KEN@BELLIATECH.COM. CELL NUMBER 856-202-7664						
AIPHONES	AIPHONES	OUTLET BOXES AND CONDUITS	XXXXX					
		AIPHONE WIRING	XXXXX					
		ACTUAL AIPHONES			XXXXX	XXXXX		BELLIA TECHNOLOGIES
		FINAL CONNECTIONS UNDER SUPERVISION OF THE OWNER'S VENDOR	XXXXX					
		PROGRAMMING AND SYSTEM CHECKOUT AND CERTIFICATION				XXXXX	XXXXX	BELLIA TECHNOLOGIES
DATA OUTLETS	DATA OUTLETS - NON-WIFI	ALL CONDUITS, OUTLET BOXES, (1) 1 INCH CONDUIT AND (1) SINGLE GANG OUTLET BOX PER DATA OUTLET	XXXXX					
		DATA CABLES, JACKS, COVER PLATES, FINAL CONNECTIONS, PROGRAMMING, TESTING AND SYSTEM CHECKOUT AT ALL DATA OUTLETS. SNAP INTO PATCH PANELS	XXXXX					
		FORMAL TESTING REPORT FOR ALL DATA CABLING	XXXXX					
	DATA INFRASTRUCTURE	CISCO SWITCHES				XXXXX	XXXXX	BELLIA TECHNOLOGIES
		NEW FLOOR MOUNTED IT RACKS/CABINETS EQUIPPED WITH INTEGRAL FACTORY COOLING FANS, POWER STRIPS, PATCH PANELS FIBER BOXES.	XXXXX					
		SUBMIT SHOP DRAWING OF NEW RACK TO BELLIA TECHNOLOGIES PRIOR TO RELEASING IN ORDER TO VERIFY COMPLIANCE AND THAT IT WORKS IN LIMITED IT ROOM SPACE	XXXXX					
		FIBER BOXES AT NEW SERVER CABINETS (RACKS)	XXXXX					
		ALL INTERNAL WIRING AND FINAL CONNECTIONS ASSOCIATED WITH NEW RACKS	XXXXX					
		TWO NEW 20 AMP VERTICAL POWER STRIPS PER CABINET. WITH ON/OFF SWITCH AND INTEGRAL SURGE PROTECTION. (12) 20 AMP 120V OUTLETS PER STRIP	XXXXX					
		PATCH PANELS AT MDF	XXXXX					
		25% SPARE CAPACITY FOR ALL NEW PATCH PANELS	XXXXX					
		FINAL CONNECTIONS AT PATCH PANELS	XXXXX					
		CABLING BETWEEN NEW PATCH PANELS AND OTHER RACK MOUNTED EQUIPMENT				XXXXX	XXXXX	BELLIA TECHNOLOGIES
		ALL NEW FIBER AND SHIELDED CABLING BETWEEN / AMONG DATA RACKS AS PER "IT RISER DIAGRAM"				XXXXX	XXXXX	BELLIA TECHNOLOGIES
		ALL FIBER CONNECTIONS AT THE MDF AND AT THE NEW IT RACKS/CABINETS				XXXXX	XXXXX	BELLIA TECHNOLOGIES
		TESTING AND CERTIFICATION	XXXXX					
		SEE IT RISER DIAGRAM ON ELECTRICAL DRAWINGS	XXXXX					
	WIFI OUTLETS	CONDUITS, OUTLET BOXES AND TEMPORARY COVER PLATES FOR ALL WIFI OUTLETS. (1) 1 INCH CONDUIT AND (1) SINGLE GANG OUTLET BOX PER WIFI OUTLET	XXXXX					
		DATA CABLES, JACKS, COVER PLATES, FINAL CONNECTIONS, PROGRAMMING, TESTING AND SYSTEM CHECKOUT AT ALL DATA OUTLETS. SNAP INTO PATCH PANELS	XXXXX					
		ACTUAL WIFI DEVICES			XXXXX	XXXXX		BELLIA TECHNOLOGIES
	HDMI OUTLETS	ALL CONDUITS, OUTLET BOXES, (1) 1 INCH CONDUIT AND (1) SINGLE GANG OUTLET BOX PER HDMI OUTLET	XXXXX					
		HDMI CABLES, JACKS, COVER PLATES, FINAL CONNECTIONS, PROGRAMMING, TESTING AND SYSTEM CHECKOUT AT ALL HDMI OUTLETS. SNAP INTO PATCH PANELS				XXXXX	XXXXX	BELLIA TECHNOLOGIES
FIRE ALARM SYSTEM		ALL CONDUITS, OUTLET BOXES, PULL STRINGS TEMPORARY COVER PLATES FOR ALL FIRE ALARM DEVICES. PROVIDE CONDUIT IN ALL AREAS WHERE ACCESS TO A DROP CEILING IS NOT POSSIBLE. 3/4" CONDUIT MINIMUM. SURFACE FACTORY PAINTED WIREMOLD IN FINISHED AREAS WHERE DROP CEILINGS ARE UNAVAILABLE. PROVIDE CONDUITS FROM THE DEVICE LOCATION OUT TO THE CORRIDOR DROP CEILING. WHERE SPEAKER /STROBES ARE MOUNTED ON DROP CEILINGS, NO CONDUITS ARE REQUIRED.	XXXXX					
		ALL FIRE ALARM DEVICES AND EQUIPMENT. PULL STATIONS, SPEAKER/STROBES, STROBES ONLY, DUCT TYPE SMOKE DETECTORS, CO DETECTORS, SMOKE DETECTORS, HEAT DETECTORS	XXXXX					
		COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM INCLUDING ALL DEVICES, MAIN PANEL, ANNUNCIATOR, WIRING, CERTIFICATIONS, SYSTEM CHECKOUT AND FINAL CERTIFCATIONS	XXXXX					
		FIRE ALARM INSTALLATION DRAWINGS INCLUDING VOLTAGE DROP CALCULATIONS, BATTERY CALCULATIONS AND CATALOG EQUIPMENT CUTS. DRAWINGS SHALL BE SEALED BY A NEW JERSEY PROFESSIONAL ENGINEEER	XXXXX					
		VANDAL PROOF COVERS FOR ALL PULL STATIONS	XXXXX					
		TEST THE ENTIRE BUILDING'S FIRE ALARM SYSTEM AFTER CONSTRUCTION IS COMPLETE. PROVIDE FINAL CERTIFICATION	XXXXX					
SECURITY SYSTEMS	CARD READERS. [CR]	OUTLET BOXES FOR CARD READERS	XXXXX					
		1" CONDUITS FROM THE OUTLET BOXES UP TO THE CORRIDOR DROP CEILING SPACE	XXXXX					
		ACTUAL CARD READER DEVICES			XXXXX	XXXXX		BELLIA TECHNOLOGIES
		ALL WIRING ASSOCIATED WITH CARD READERS	XXXXX					
		FINAL CONNECTIONS, TIE-INS UNDER SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
		CERTIFICATION AND TESTING				XXXXX	XXXXX	BELLIA TECHNOLOGIES
	DOOR CONTACTS. [DC] AND DOOR RELEASES [DR]	OUTLET BOXES AND TEMPORARY COVER PLATES FOR EACH DEVICE	XXXXX					
		1" CONDUITS FROM THE OUTLET BOXES UP TO THE CORRIDOR DROP CEILING SPACE	XXXXX					
		ACTUAL DEVICE - DOOR CONTACTS AND DOOR RELEASE	XXXXX					
		ALL WIRING ASSOCIATED WITH THE DOOR CONTACTS AND DOOR RELEASES	XXXXX					
		FINAL CONNECTIONS, TIE-INS, CERTIFICATION AND TESTING	XXXXX					
	INTERIOR AND EXTERIOR CAMERAS	OUTLET BOXES, CONDUIT STUBS INTO ACCESSIBLE CEILINGS, PULL STRINGS FOR INTERIOR AND EXTERIOR CAMERAS	XXXXX					
		CAT 6 CABLES, JACKS, COVER PLATES, TIE-INS AT CONTRACTOR-PROVIDED PATCH PANEL	XXXXX					
		SYSTEM CHECKOUT AND FINAL CERTIFICATION FOR ALL CAMERAS				XXXXX	XXXXX	BELLIA TECHNOLOGIES
		JUMPER CABLES BETWEEN CAMERAS AND DATA OUTLETS	XXXXX					
		MOUNT CAMERA AND PROVIDE FINAL ADJUSTMENT	XXXXX					
		PERFORM ALL WORK UNDER THE SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
	SECURITY SYSTEM CONTROL PANEL #SEC-1	ACTUAL SECURITY PANEL			XXXXX	XXXXX		BELLIA TECHNOLOGIES
		ALL SECURITY SYSTEM WIRING	XXXXX					
		FINAL CONNECTIONS, TIE-INS UNDER SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
REMOVALS	**NOTE - REMOVALS INDICATED ON THIS CHART ARE AREAS THAT ARE SPECIFICALLY HIGHLIGHTED AND ARE NOT ALL INCLUSIVE TO THE PROJECT. REFERENCE OTHER PARTS OF THESE CONTRACT DOCUMENTS FOR ALL REMOVAL REQUIREMENTS**							
BRANCH WIRING	LIGHTS, RECEPTACLES, HVAC EQUIPMENT, PLUMBING EQUIPMENT AND OTHER CIRCUITS CURRENTLY FED FROM EXISTING PANELS AND BEING REMOVED BY THE CONTRACTOR AS PART OF THIS PROJECT	REMOVE ALL EXISTING DISCONNECTED BRANCH CIRCUITS IN THEIR ENTIRETY. REMOVE FROM THE DEVICE FED ALL THE WAY BACK TO THE PANEL. DISCONNECT AND REMOVE THE CIRCUIT FROM ITS RESPECTIVE BRANCH BREAKER.	XXXXX					
PROJECT AREA	EXISTING LIGHTS AND LIGHT SWITCHES	DISCONNECT AND REMOVE	XXXXX					
	EXISTING WIRING, LIGHTING, DEVICES IN THE ATTIC	DISCONNECT AND REMOVE	XXXXX					
	EXISTING OCCUPANCY SENSORS	DISCONNECT AND REMOVE	XXXXX					
	EXISTING SURFACE MOUNTED WIREMOLD AND WIREMOLD OUTLETS	DISCONNECT AND REMOVE	XXXXX					
	EXISTING RECEPTACLES	DISCONNECT AND REMOVE	XXXXX					
	EXISTING DATA OUTLETS AND DATA OUTLET WIRING	DISCONNECT AND REMOVE UNDER SUPERVISION OF OWNER AND BELLIA TECHNOLOGIES	XXXXX					
	EXISTING PROJECTORS AND OTHER AV EQUIPMENT	DISCONNECT AND REMOVE UNDER SUPERVISION OF OWNER AND BELLIA TECHNOLOGIES. HAND OVER TO THE OWNER	XXXXX					
	EXISTING AUDIO/VISUAL WIRING, CONDUIT, CONTROLS	DISCONNECT AND REMOVE UNDER SUPERVISION OF OWNER AND BELLIA TECHNOLOGIES	XXXXX					
	EXISTING FIRE ALARM STROBES	DISCONNECT AND REMOVE	XXXXX					
FIRE ALARM	EXISTING FIRE ALARM SYSTEM MAIN PANEL, PULL STATIONS, STROBES, DUCT DETECTORS, SPEAKER/STROBES, AND ALL OTHER FIRE ALARM COMPONENTS`	DISCONNECT AND REMOVE	XXXXX					
	EXISTING FIRE ALARM WIRING	DISCONNECT AND REMOVE	XXXXX					
HVAC EQUIPMENT - ELECTRICAL WIRING AND CONDUIT ASSOCIATED WITH HVAC AND PLUMBING EQUIPMENT		DISCONNECT AND REMOVE ALL WIRING, CONDUIT, WIREMOLD, LOCAL DISCONNECTS, STARTERS, FITTINGS, ETC ASSOCIATED WITH HVAC, PLUMBING, AND OTHER MISCELLANEOUS EQUIPMENT BEING REMOVED AS PART OF THIS PROJECT	XXXXX					
		REFERENCE ALL MECHANICAL, PLUMBING AND ARCHITECTURAL PLANS FOR THE SCOPE OF THESE REMOVALS	XXXXX					
SECURITY SYSTEMS	EXISTING CARD READERS	DISCONNECT AND REMOVE UNDER SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
	EXISTING CARD READER WIRING, CONDUIT AND OUTLET BOXES	DISCONNECT AND REMOVE UNDER SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
	EXISTING INTERIOR CAMERAS	DISCONNECT AND REMOVE UNDER SUPERVISION OF BELLIA TECHNOLOGIES. TURN CAMERAS OVER TO THE OWNER	XXXXX					
	EXISTING INTERIOR CAMERAS, WIRING, CONDUIT AND OUTLET BOXES	DISCONNECT AND REMOVE UNDER SUPERVISION OF BELLIA TECHNOLOGIES. TURN CAMERAS OVER TO THE OWNER	XXXXX					
	EXISTING EXTERIOR CAMERAS	DISCONNECT AND REMOVE UNDER SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
	EXISTING EXTERIOR CAMERA WIRING, CONDUIT AND OUTLET BOXES	DISCONNECT AND REMOVE UNDER SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
	EXISTING MOTION DETECTOR WIRING, CONDUIT AND OUTLET BOXES	DISCONNECT AND REMOVE UNDER SUPERVISION OF BELLIA TECHNOLOGIES	XXXXX					
OUTDOOR WALL MOUNTED RECEPTACLES	OUTDOOR WALL MOUNTED RECEPTACLES	DISCONNECT AND REMOVE	XXXXX					
WINDOW AIR CONDITIONING UNITS		REMOVE ALL WIRING, RECEPTACLES, CABLES, CONDUITS AND LOCAL DISCONNECT SWITCHES ASSOCIATED WITH EXISTING AIR CONDITIONING UNITS	XXXXX					
ADDITIONAL ITEMS								
	PAINTING	PAINT ALL NEW EXPOSED ELECTRICAL CONDUITS AND JUNCTION BOXES	XXXXX					
		REFERENCE OTHER PARTS OF THE CONTRACT DOCUMENTS FOR ADDITIONAL PAINTING	XXXXX					
	PENETRATIONS	ALL PENETRATIONS REQUIRED FOR CONSTRUCTION	XXXXX					
		HILTI FIRE STOPS	XXXXX					
	TEMPORARY POWER AND LIGHTING	ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH TEMPORARY POWER AND LIGHTING FOR CONSTRUCTION, INCLUDING POWER FEEDS TO ALL CONSTRUCTION TRAILERS	XXXXX					
		REMOVAL OF TEMPORARY WIRING AND PANELS AFTER THE NEED FOR TEMPORARY POWER HAS OCCURRED	XXXXX					
	TRACING OF EXISTING CIRCUITS	TRACE EXISTING CIRCUITS WHEN NEEDED	XXXXX					
	TESTING OF DATA CABLES	ALL TESTING AND CERTIFICATIONS OF CONTRACTOR-PROVIDED DATA CABLING	XXXXX					
	CONCRETE PADS FOR INDOOR AND OUTDOOR EQUIPMENT	ALL CONCRETE PADS FOR GENERATOR, OUTDOOR TRANSFER SWITCH, OUTDOOR CT CABINET,	XXXXX					
		SIGNED AND SEALED PE DRAWINGS FOR ALL CONCRETE FOUNDATIONS. SIGNED AND SEALED BY A NEW JERSEY PROFESSIONAL ENGINNEER	XXXXX					

NOTES

1) WHERE INDICATED AS FURNISHED BY OWNER , CONTRACTOR SHALL PICK UP AT A LOCATION ON TOWNSHIP PROPERTY, AND TRANSPORT TO JOBSITE
2) PROVIDE 3 PULL STRINGS IN EACH EMPTY CONDUIT
3) THE TERM "PROVIDE" MEANS "FURNISHED AND INSTALLED"

ISSUED FOR BID: 10-1-2026

PROJ. NUM: #7884

MULHERN CONSULTING ENGINEERS
AND ASSOCIATES, INCORPORATED
321 SOUTH YORK ROAD
HATBORO, PENNSYLVANIA 19040
PHONE: (215) 293-9900
WWW.MULHERNENGINEERS.COM

ALL WORK SHOWN ON THESE ELECTRICAL PLANS SHALL BE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE

GARRISON ARCHITECTS
A Professional Corporation of Architects and Planners
713 CREEK ROAD, BELLMAWR, NEW JERSEY 08031 (856) 396-6200

TOWNSHIP OF SOUTHAMPTON
2026 MUNICIPAL BUILDING RENOVATIONS
5 RETREAT ROAD
SOUTHAMPTON TOWNSHIP, NJ

REVISIONS

MRK	DATE	DESCRIPTION

Project No. 26-42
Date: 10-1-26
Scale: AS NOTED

RESPONSIBILITY SCHEDULE

E5.2

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