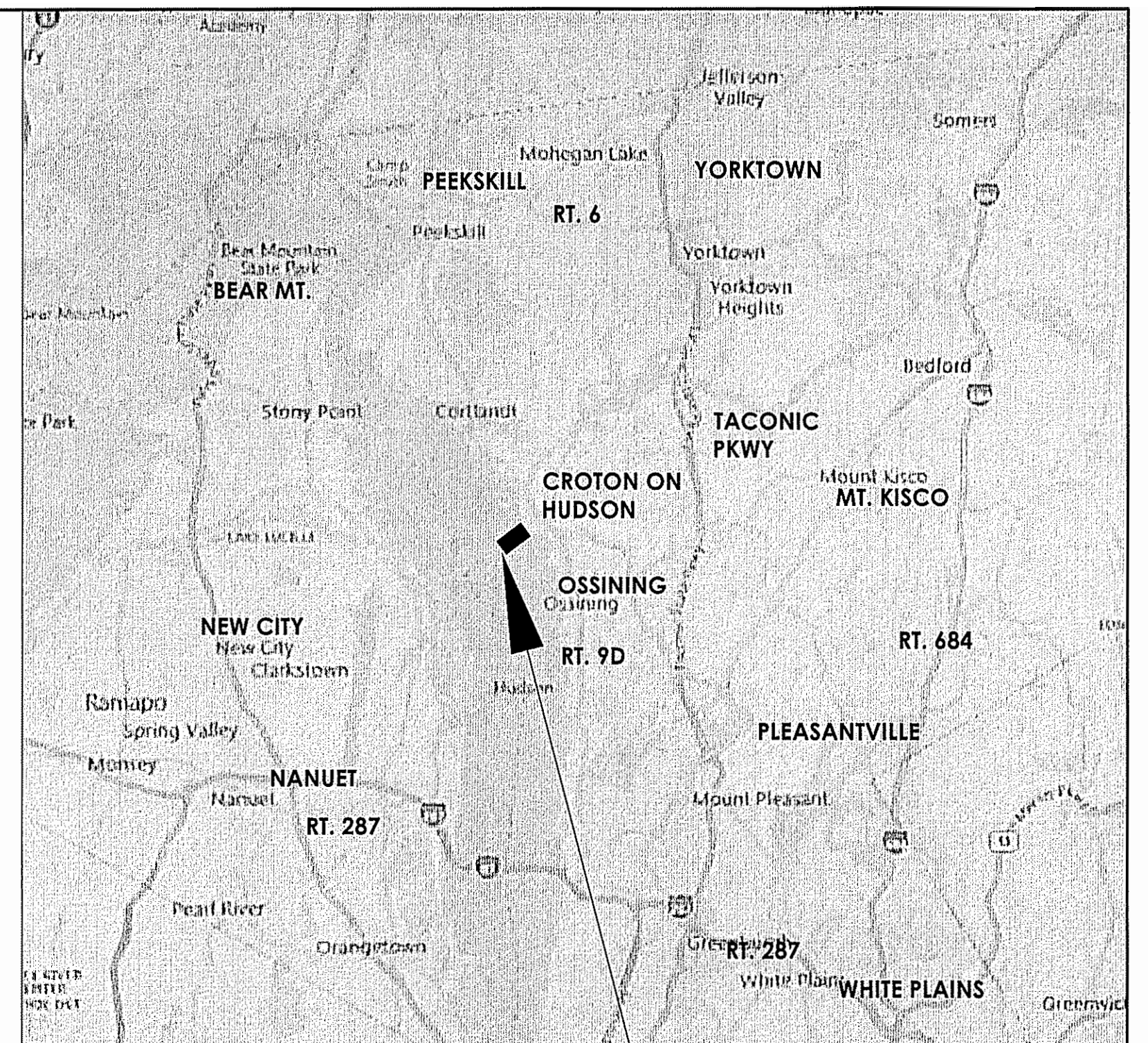


Westchester gov.com

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

CONTRACT NO. 15 -553

NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NEW YORK



WESTCHESTER COUNTY

SHEET NO.	SHEET TITLE	DPW FILE NO.
G-001	TITLES, INDEX	2-02-T-45-0
G-002	CODE DATA, EROSION CONTROL	2-02-G-46-0
L-100	EXISTING SITE PLAN - STAGING	2-02-G-47-0
H-101	HAZARDOUS MATERIALS	2-02-G-48-0
D-101	DEMOLITION PLAN	2-02-G-49-0
L-101	NEW BATHHOUSE SITE PLAN	2-02-G-50-0
A-101	BATHHOUSE FLOOR PLAN	2-02-A-51-0
A-102	ROOF PLAN	2-02-A-52-0
A-201	BATHHOUSE ELEVATIONS	2-02-A-53-0
A-201a	BATHHOUSE ELEVATIONS - ALTERNATES	2-02-A-54-0
A-301	BATHHOUSE BLDG. SECTIONS I	2-02-A-55-0
A-301a	BATHHOUSE BLDG. SECTIONS I - ALT'S.	2-02-A-56-0
A-302	BATHHOUSE BLDG. SECTIONS II	2-02-A-57-0
A-302a	BATHHOUSE BLDG. SECTIONS II - ALT'S.	2-02-A-58-0
A-401	WALL SECTIONS & DETAILS	2-02-A-59-0
A-401a	WALL SECTIONS & DETAILS - ALT'S.	2-02-A-60-0
A-501	BUILDING DETAILS I	2-02-A-61-0
A-501a	BUILDING DETAILS I - ALTERNATES	2-02-A-62-0
A-502	BUILDING DETAILS II	2-02-A-63-0
A-502a	BUILDING DETAILS II - ALTERNATES	2-02-A-64-0
A-503	BUILDING DETAILS III	2-02-A-65-0
A-601	DOOR SCHEDULE & DETAILS	2-02-A-66-0
A-601a	DOOR SCHEDULE & DETAILS - ALT'S.	2-02-A-67-0

SHEET NO.	SHEET TITLE	DPW FILE NO.
F-101	BATHHOUSE FOUND. PLAN	2-02-S-68-0
F-102	CONC. GRADE BEAM & SLAB PLAN	2-02-S-69-0
F-401	PILE & CONCRETE DETAILS	2-02-S-70-0
S-001	NOTES	2-02-S-71-0
S-101	BATHHOUSE ROOF FRAMING PLAN	2-02-S-72-0
S-201	STRUCTURAL ELEVATIONS - BASE BID	2-02-S-73-0
S-202	STRUCTURAL ELEV. - ALTERNATES	2-02-S-74-0
S-301	SECTIONS & DETAILS	2-02-S-75-0
S-302	SECTIONS & DETAILS - ALTERNATES	2-02-S-76-0
S-303	CAST CONCRETE HEADER DETAILS	2-02-S-77-0
P-001	PLUMBING SYMBOLS, ABBREVIATIONS & NOTES	2-02-P-78-0
P-101	PLUMBING DEMOLITION PLAN	2-02-P-79-0
P-200	PLUMBING SITE SANITARY PLAN	2-02-P-80-0
P-201	PLUMBING NEW WORK PLAN	2-02-P-81-0
P-401	PLUMBING BACKFLOW PREVENTER PART PLAN	2-02-P-82-0
P-501	PLUMBING RISER DIAGRAMS & SCHEDULE	2-02-P-83-0
P-701	PLUMBING DETAILS	2-02-P-84-0
M-001	MECHANICAL SYMBOLS, ABBREVIATIONS & NOTES	2-02-M-85-0
M-101	MECHANICAL DEMOLITION PLAN	2-02-M-86-0
M-201	MECHANICAL NEW WORK PLAN	2-02-M-87-0


SHEET NO.	SHEET TITLE	DPW FILE NO.
E-001	ELECTRICAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES	2-02-E-88-0
E-002	ELECTRICAL SPECIFICATIONS	2-02-E-89-0
E-003	ELECTRICAL SPECIFICATIONS	2-02-E-90-0
E-101	BATHHOUSE ELECTRICAL DEMOLITION PLAN	2-02-E-91-0
E-201	BATHHOUSE LIGHTING NEW WORK PLAN	2-02-E-92-0
E-300	BATHHOUSE ELECTRICAL SITE PLAN	2-02-E-93-0
E-301	BATHHOUSE ELECTRICAL NEW WORK PLAN	2-02-E-94-0
E-501	ELECTRICAL ONE LINE DIAGRAM & PANEL SCHEDULE	2-02-E-95-0
E-701	ELECTRICAL DETAILS	2-02-E-96-0
E-702	ELECTRICAL DETAILS	2-02-E-97-0

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

PROJECT INFORMATION				
CLIENT:	PARKS DEPT.: WESTCHESTER COUNTY DEPARTMENT OF PUBLICWORKS & TRANSPORTATION			
NAME & ADDRESS:	NEW BATHHOUSE FACILITY - CROTON POINT PARK, CROTON-ON-HUDSON, NEW YORK			
TYPE OF WORK:	NEW BATHHOUSE FACILITY WITH PUBLIC BATHROOM, LOCKERS, DRESSING STALLS, LIFEGUARD RM., FIRST AID RM., POLICE STATION, BLDG. STORAGE & MECHANICAL RM.			
DESCRIPTION:	DEMOLISH & REMOVE THE ENTIRE EXISTING BLDG. ABOVE THE SLAB. INSTALL SUPPLEMENTAL PILES, FOOTINGS & NEW SLAB TOPPING, CONSTRUCT NEW CONC. BLOCK & BRICK BATHHOUSE BLDG. WITH A STRUCTURAL TIMBER ROOF.			
CONSTRUCTION CODES				
TYPE	APPLICABLE CODES			
BUILDING	2015 IBC - INTERNATIONAL BUILDING CODE*			
PLUMBING	2015 IPC - INTERNATIONAL PLUMBING CODE*			
MECHANICAL	2015 IMC - INTERNATIONAL MECHANICAL CODE*			
ELECTRICAL	2015 IEC - INTERNATIONAL ELECTRICAL CODE*			
FIRE PROTECTION	2015 IFI - INTERNATIONAL FIRE CODE*			
ENERGY	2015 IECC - INTERNATIONAL ENERGY CONSERVATION CODE*			
EXISTING BUILDING	2015 IEBC - INTERNATIONAL EXISTING BUILDING CODE*			
RESIDENTIAL	2015 IRC - INTERNATIONAL RESIDENTIAL CODE*			
FUEL GAS	2015 IFGC - INTERNATIONAL FUEL GAS CODE*			
PROPERTY	2015 IPMC - INTERNATIONAL PROPERTY MAINTENANCE CODE*			
* ALL CODES AS ADOPTED BY NEW YORK STATE WITH APPLICABLE STATE & LOCAL AMMENDMENTS				
CODE DATA				
CATEGORY	REQUIREMENT	CODE REF.	PROVIDED	REMARKS
CONSTRUCTION TYPE	II-A	TABLE 601	TABLE 601	
USE GROUP	A-3	SEC. 303.4	SEC. 303.4	
ALLOWABLE AREA	15,500 S.F.	TABLE 503	TABLE 503	
ALLOWABLE HEIGHT	3 STORIES			
OCCUPANT LOAD	NA			
NUMBER OF EXITS	NA			
DISTANCE TO EXIT	NA			
EXIT WIDTH	NA			
FIRE SEPARATION	NA			
FINISHES				
EXIT CORRIDORS	NA			
EXIT PASSAGE	NA			
ROOMS	NA			
FLOORS	NA			

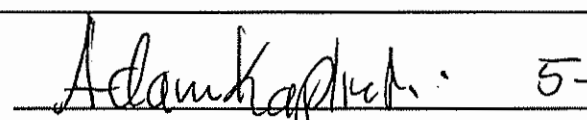
ENERGY CODE NOTE:
THE BATHHOUSE FACILITY IN THIS PROJECT COMPRISES A NEW PUBLIC BATHROOM WITH LOCKERS, SHOWER STALLS, LIFEGUARD RM., FIRST AID RM., POLICE STATION, BLDG. STORAGE & MECHANICAL RM. THE BLDG. IS 'NON-CONDITIONED' FOR SEASONAL USE.

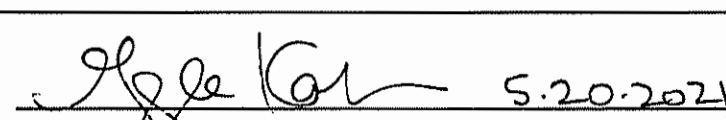
OCCUPANCY			
TOTAL AREA	NA		
CALCULATIONS			
NA = NOT APPLICABLE FOR PROJECT			
ZONING: TOWN OF MOUNT PLEASANT			
SECTION	BLOCK	LOT	
ZONING DISTRICT: PRE-3 (PARK, RECREATION & EDUCATION)			
ZONING ITEM	REQUIRED	EXISTING	PROPOSED
LOT AREA	NA		
LOT FRONTAGE	NA		
FRONT YARD	NA		
REAR YARD	NA		
SIDE YARD (ONE SIDE)	NA		
SIDE YARD (TWO SIDES)	NA		
HEIGHT	NA		
BUILDING AREA	NA		
SITE COVERAGE	NA		
FAR (FLOOR AREA RATIO)	NA		
ENERGY CODE COMPLIANCE			
PER ENERGY CODE REQUIREMENTS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE IECC AS THEY RELATE TO NEW CONSTRUCTION ONLY.			
NEW YORK STATE CLIMATE ZONE: 4 - PER ECCCNY-2016 COMMERCIAL PRESCRIPTIVE TABLE C402.1.3 BUILDING IS 'NON-CONDITIONED', SEASONAL USE ONLY.			

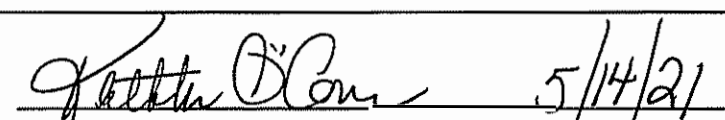
		OLA Consulting Engineers 50 Broadway Hawthorne New York 10532		HILLMAN & MILEY CONSULTING ENGINEERS PLLC 235 Montross Avenue White Plains, NY 10605 914-428-0909		
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION		
RECORD DRAWING CERTIFICATION						
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES						
CONTRACTOR			PROJECT COORDINATOR			
NAME	SIGNATURE		DATE	NAME	SIGNATURE	
TITLE	DATE			TITLE	DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING			NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK COVER SHEET			
CONTRACT NUMBER 15 - 553			SHEET NUMBER G-001			
SHEET NO. 1 OF 53			SCALE: NTS DATE: 6 / 18 / 21			
DPW FILE NO. 2-02-T-45			REV. NO. 0			

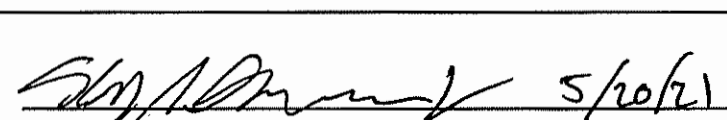
IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA


RECOMMENDED FOR DESIGN
ADAM KAPLINSKI, R.A.
ASSOCIATE ARCHITECT
DEPARTMENT OF PUBLIC WORKS
& TRANSPORTATION


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


APPROVED FOR CONSTRUCTION
KATHLEEN M. O'CONNOR
COMMISSIONER
DEPARTMENT OF PARKS, RECREATION
& CONSERVATION


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

EROSION AND SEDIMENT CONTROL PLAN SPECIFICATIONS

1. DESCRIPTION OF WORK

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

2. QUALITY ASSURANCE

A. GENERAL:

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

B. PRODUCT DATA:

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

3. WORK SCHEDULE

A. PRE-CONSTRUCTION PHASE:

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

B. CONSTRUCTION PHASE:

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

C. POST CONSTRUCTION PHASE:

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

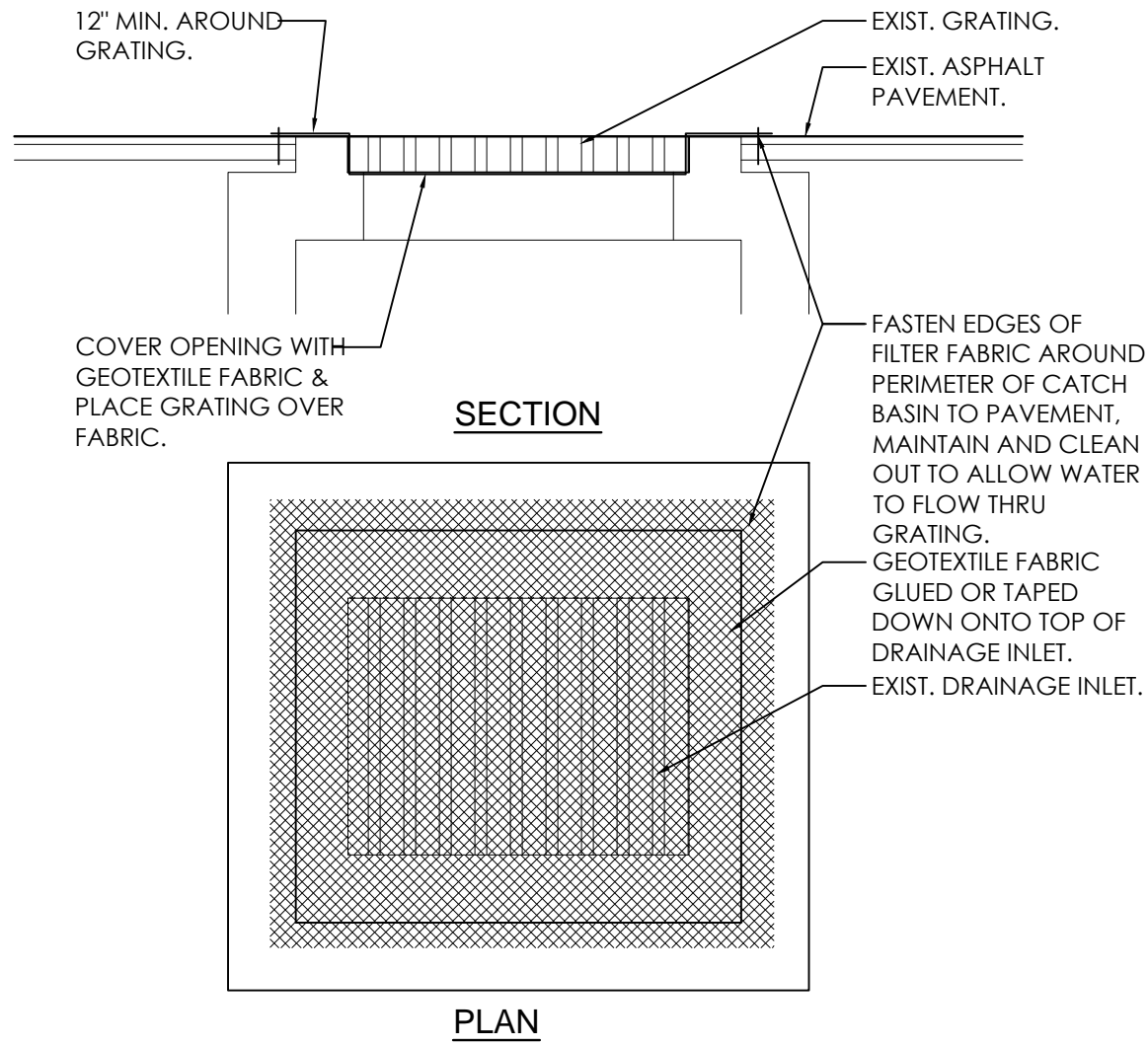
4. PRODUCTS AND EXECUTION:

- A. NO PUMPING OR DE-WATERING INTO THE PUBLIC STORM SEWER MAIN WITHOUT PRE-FILTERING AS APPROVED BY WCDEF.
- B. INLET PROTECTION: THE FILTER FABRIC SHALL BE "MIRAFI 700X" OR EQUAL.
- C. STABILIZED CONSTRUCTION AREA: THE FILTER FABRIC SHALL BE "MIRAFI 600X" OR EQUAL. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
- D. SILT FENCE: SILT FENCE FABRIC SHALL BE "MIRAFI 100X OR EQUAL. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD A MINIMUM 36 INCHES LONG AND TWO INCHES SQUARE. METAL POSTS SHALL BE STANDARD "T" AND "U" SECTION WEIGHING NOT LESS THAN ONE POUND PER LINEAR FOOT. WIRE FENCE BACKING SHALL BE A MINIMUM 14½ GAGE WITH A MAXIMUM SIX INCH MESH OPENING AND SECURELY ATTACHED TO FENCE POSTS. POSTS SHALL EXTEND A MINIMUM OF 16 INCHES INTO THE GROUND.
- E. HALE BALE BARRIERS: WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD A MINIMUM 36 INCH LONG. METAL POSTS SHALL BE STANDARD "T" OR "U" SECTION WEIGHING A MINIMUM OF NOT LESS THAN ONE POUND PER LINEAR FOOT.
- F. TEMPORARY STABILIZATION:
- ESTABLISHMENT OF TEMPORARY GRASS COVER: PREPARE SEED BED, SCARIFY IF COMPACTED, REMOVE DEBRIS AND OBSTACLES SUCH AS ROCKS AND STUMPS AND SEED WITHIN 24 HOURS. AMEND SOIL, LIME SOIL TO PH OF 6.0 AND FERTILIZE AT A RATE OF 14 POUNDS PER 1000 SQUARE FEET WITH A 5-10-10 OR EQUIVALENT FERTILIZER. WORK AMENDMENTS A MINIMUM OF 4 INCHES INTO SOIL. IF SEEDING IN OCTOBER/NOVEMBER SEED SHALL BE CERTIFIED AROOSTOOK WINTER RYE @ 100 POUNDS PER ACRE. OTHERWISE SEED SHALL BE RYE GRASS (ANNUAL OR PERENNIAL) @ 30 POUNDS PER ACRE.
 - MULCH: SMALL GRAIN STRAW MULCH SHALL BE APPLIED AT A RATE OF TWO TONS (100 TO 120 BALES) PER ACRE. SLOPES GREATER THEN 50% SHALL BE IMMEDIATELY MULCHED WITH EROSION CONTROL BLANKETS. BLANKETS SHALL BE "BON TERRA S2 " INSTALLED AS RECOMMENDED BY MANUFACTURER. TREAT ALL DISTURBED AREAS AS NECESSARY TO PROVIDE DUST CONTROL. CONFORM TO LOCAL AND STATE REGULATIONS GOVERNING THESE ACTIVITIES.
 - INSTALL TEMPORARY STABILIZATION WITHIN 24 HOURS AFTER THE END OF CONSTRUCTION ACTIVITIES IN AN AREA UNLESS THERE IS SNOW COVER OR CONSTRUCTION ACTIVITIES WILL RESUME WITHIN 21 DAYS.
- G. CONSTRUCTION VEHICLES: THOROUGHLY WASH DOWN ALL CONSTRUCTION VEHICLES EACH TIME THEY LEAVE THE SITE AND COVER WITH TARPULINS AS NECESSARY TO PREVENT VEHICLE TRANSPORT OF SEDIMENT OFF-SITE. DIRECT WASTEWATER FROM WASH DOWN OPERATIONS TO A SEDIMENT TRAP.

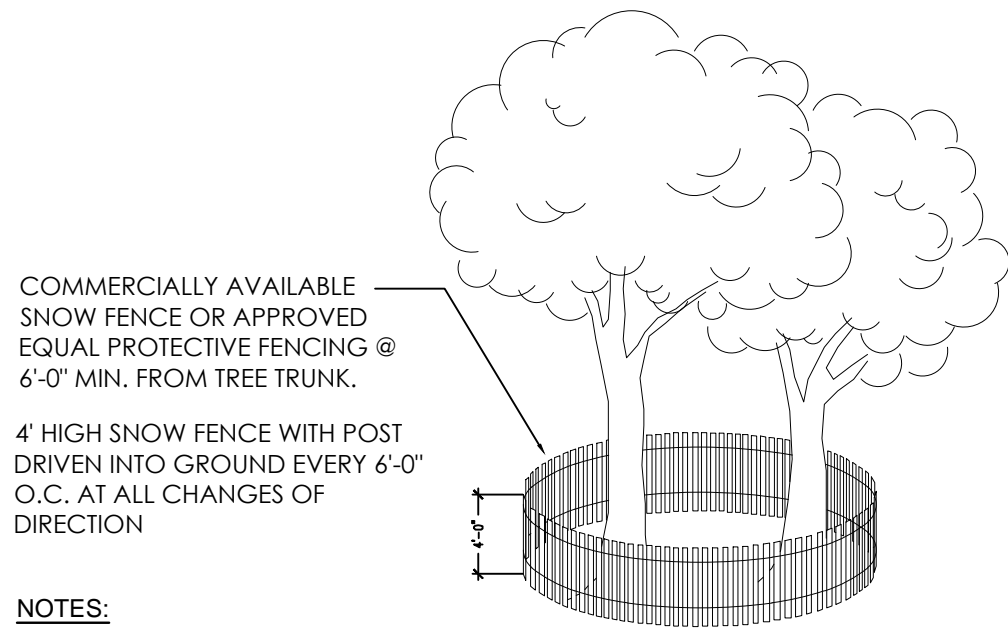
7 EROSION CONTROL NOTES

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA



3 FABRIC AT INLET NTS



- COMMERCIALY AVAILABLE SNOW FENCE OR APPROVED EQUAL PROTECTIVE FENCING @ 6'-0" MIN. FROM TREE TRUNK.
- 4' HIGH SNOW FENCE WITH POST DRIVEN INTO GROUND EVERY 6'-0" O.C. AT ALL CHANGES OF DIRECTION
- NOTES:
- TREES TO BE PROTECTED DURING CONSTRUCTION WITH PROTECTIVE FENCING ERECTED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION.
 - NO CONSTRUCTION ACTIVITY IS PERMITTED WITHIN THE PROTECTIVE FENCING.
 - THE FENCING WILL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.
 - AT THE COMPLETION OF CONSTRUCTION ALL TREES WILL BE PRUNED AS NECESSARY TO CORRECT ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITY.

3 TREE PROTECTION NTS

USE & OCCUPANCY CLASSIFICATION:

DEFINITION: BATHHOUSE & BATHROOM FACILITIES.

CLASSIFICATION: UTILITY & MISCELLANEOUS: GROUP "U". ('312.1')

CONSTRUCTION TYPE: TYPE: '1 - B'. ('TABLE: 601')

HEIGHT & AREA LIMITATIONS: ALLOWABLE HEIGHT: 5 STORIES. ALLOWABLE AREA: 35,000 S.F. ('TABLE 503')

MEANS OF EGRESS:

EXIT SIGNS: PROVIDED.

EMERGENCY LIGHTS: PROVIDED.

EMERGENCY EGRESS: PROVIDED: MAIN BLDG. ENTRANCES ARE OPENED FULLY DURING OPERATION HOURS.

ACCESSIBLE EGRESS: PROVIDED.

EXIT WIDTH CALCULATIONS: MAIN OPEN ENTRANCES: 5'-8" CLEAR WIDTH X 0.2' = 340 PERSONS. DOORS TO SMALL INDIVIDUAL SPACES: 3'-0" CLEAR WIDTH X 0.2' = 180 PERSONS. SUFFICIENT CAPACITY TO SERVE OCCUPANT LOAD.

MAX. TRAVEL: 36'-0" TO NEAREST EXIT.

PLUMBING FIXTURES:

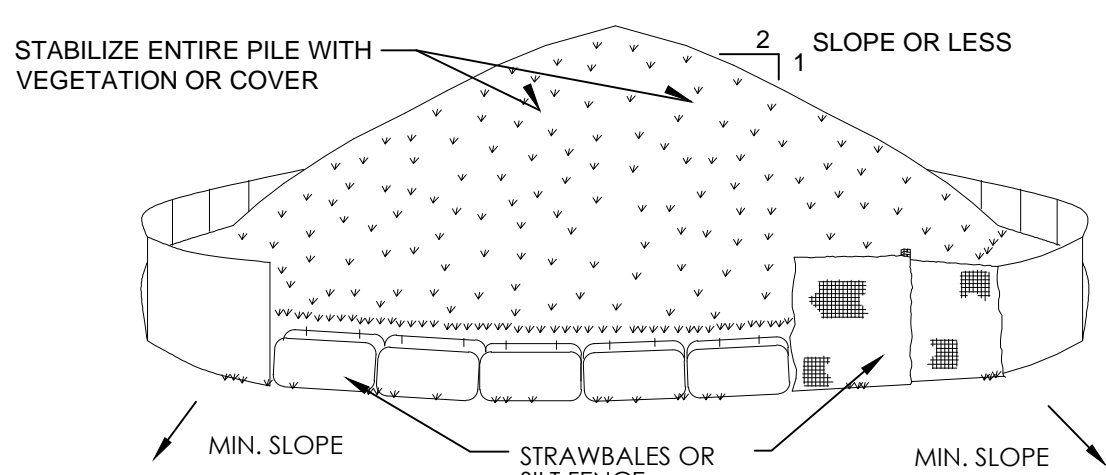
TYPE:	MENS	WOMENS	FAMILY RM.
TOILET:	4	6	2
URINAL:	3	-	-
LAVATORY:	5	5	2
SHOWER:	4	4	2 EXTERIOR
DRINKING FOUNTAIN:	1 AT FRONT OF FACILITY		
SERVICE SINK:	1	1	-

ACCESSIBLE FIXTURES: (WITHIN FIXTURE COUNT INDICATED ABOVE.)

TOILET:	1	1	2
URINAL:	-	-	-
LAVATORY:	4	6	2
SHOWER:	1	1	2 EXTERIOR
DRINKING FOUNTAIN:	1 AT FRONT OF FACILITY		

CRITERIA: BATHHOUSES ARE NOT SPECIFICALLY LISTED FOR FIXTURE CALCULATIONS: CRITERIA IS BASED ON: ASSEMBLY: 'A-3' NON-PERMANENT SEATING: TYPE: MALE FEMALE TOTAL THAT CAN BE SERVED: TOILET: 1 / 125 1 / 65 1,520 PERSONS. URINAL: (MAY SUBSTITUTE FOR 1/3 MALE TOILETS.) 1 / 200 1 / 200 2,400 PERSONS. LAVATORY: (NOT SPECIFIED FOR THIS USE.) 1 / 500 500 PERSONS. DRINKING FOUNTAIN: 1 / 500

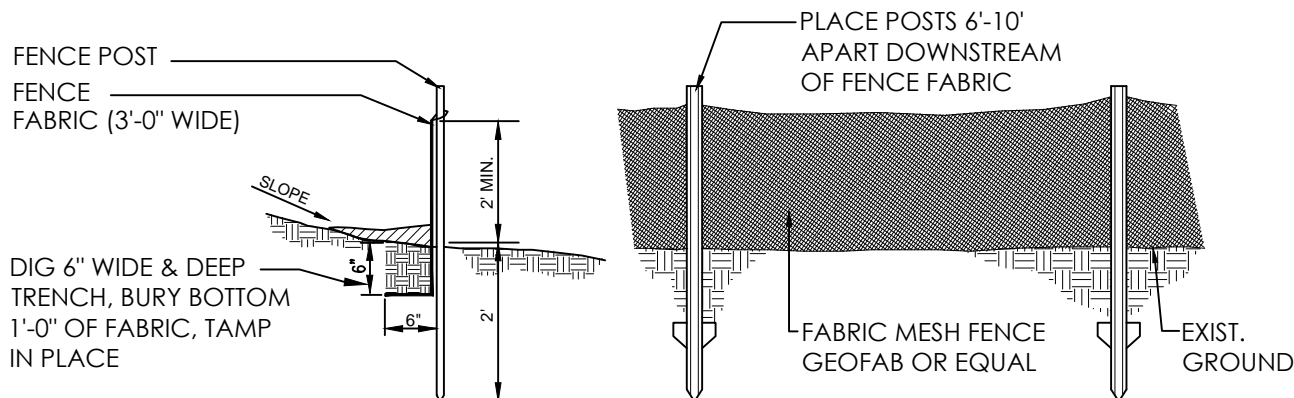
SUMMARY: THE FIXTURE QUANTITIES PROVIDED FOR IN THIS FACILITY FAR EXCEED THE ANTICIPATED POPULATION AT ANY GIVEN TIME.



INSTALLATION NOTES

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

2 SOIL STOCKPILE NTS



NOTE: USE STEEL POSTS WEIGHING 1.3 LBS/FT.

NOTE:

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

5 SILT FENCE NTS

PROJECT & BUILDING INFORMATION:

CLIENT NAME: WESTCHESTER COUNTY, NEW YORK. DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION.

BUILDING NAME: NEW CROTON POINT BATHHOUSE. CROTON POINT PARK. CROTON NEW YORK

CLASSIFICATION OF WORK: BATHHOUSE & PAVILION: NEW CONSTRUCTION

START DATE: SPRING 2019 (ANTICIPATED). COMPLETION DATE: SPRING 2020 (ANTICIPATED).

APPLICABLE BUILDING CODES: 2015 IBC, 2015 IPC, 2015 IMC, 2015 IFC, 2015 IECC

PROJECT DESCRIPTION & SCOPE OF WORK:

DEMOLITION: DEMOLISH EX'G. ABANDONED MASONRY & WOOD BATHHOUSE. PREPARE EXISTING CONCRETE SLAB FOR NEW PILE FOUNDATIONS.

NEW BATHHOUSE: MEN'S & WOMEN'S BATHROOMS, LOCKER ROOMS, FAMILY BATHROOMS, LIFEGUARD & FIRST AID RMS., FOOD CONCESSION, KAYAK RENTAL RM., MECHANICAL RM.

NEW DRIVEN PILE FOUNDATION, POURED CONCRETE SLAB, CONC. GRADE BEAMS, MASONRY & BRICK WALLS, CAST STONE HEADERS & WALL CAPS, GLASS BLOCK NATURAL LIGHT, ENGINEERED LUMBER RAFTERS, WOOD DECKING, ASPHALT SHINGLE ROOF, STEEL ROOF VENTILATION MONITOR, CLERESTORY VENTILATION, BIRD & INSECT SCREENS, OVERHEAD COILING DOORS, COUNTER COILING CLOSURES.

PAVILION: OPEN WALLED, COLUMN SUPPORTED ROOFED PAVILION.

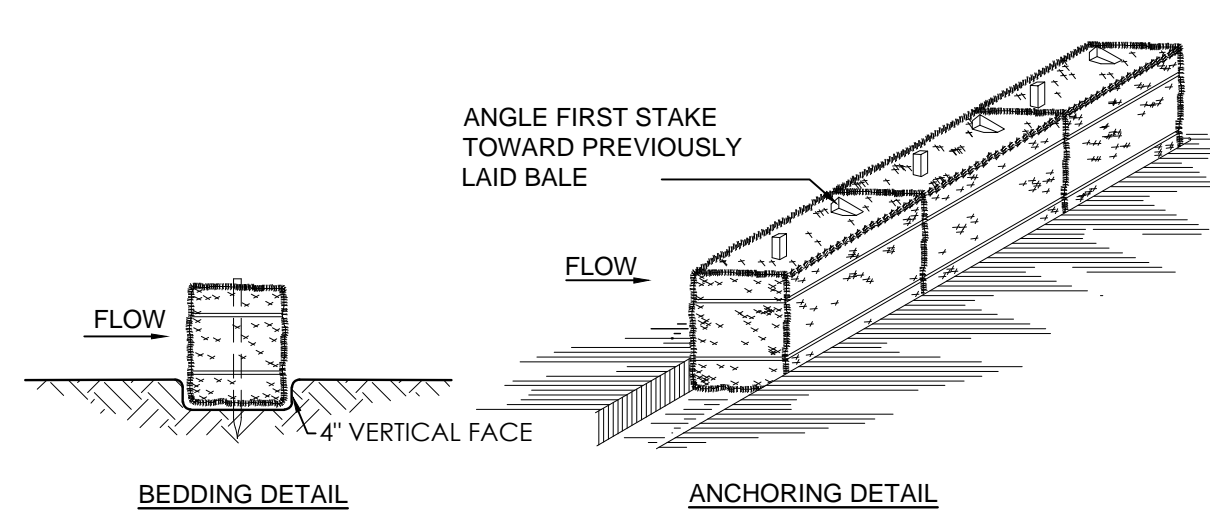
NEW DRIVEN PILE FOUNDATION, POURED CONCRETE SLAB, STEEL TUBE COLUMNS & BEAM STRUCTURAL FRAME, BRICK & CAST STONE COLUMN CLADDING, WOOD RAFTERS, WOOD DECKING, ASPHALT SHINGLE ROOF.

SITWORK: PERIMETER POROUS SURFACE PATHS, SHOWER KIOSKS.

ENERGY CODE:

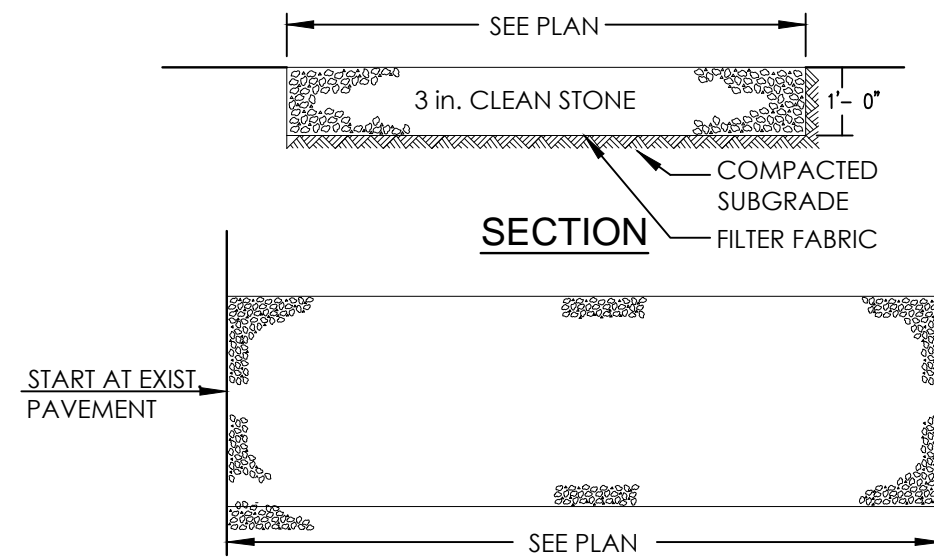
UN-CONDITIONED, OPEN STRUCTURE: BUILDING IS UN-CONDITIONED. SUMMER USE & DAYTIME HOURS OF OPERATION. NO HEAT PROVIDED. SMALL THRU-WALL ROOM TYPE, AIR CONDITIONER PROVIDED FOR 80 S.F. FIRST AID ROOM.

8 CODE DATA



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

1 HAY BALE NTS

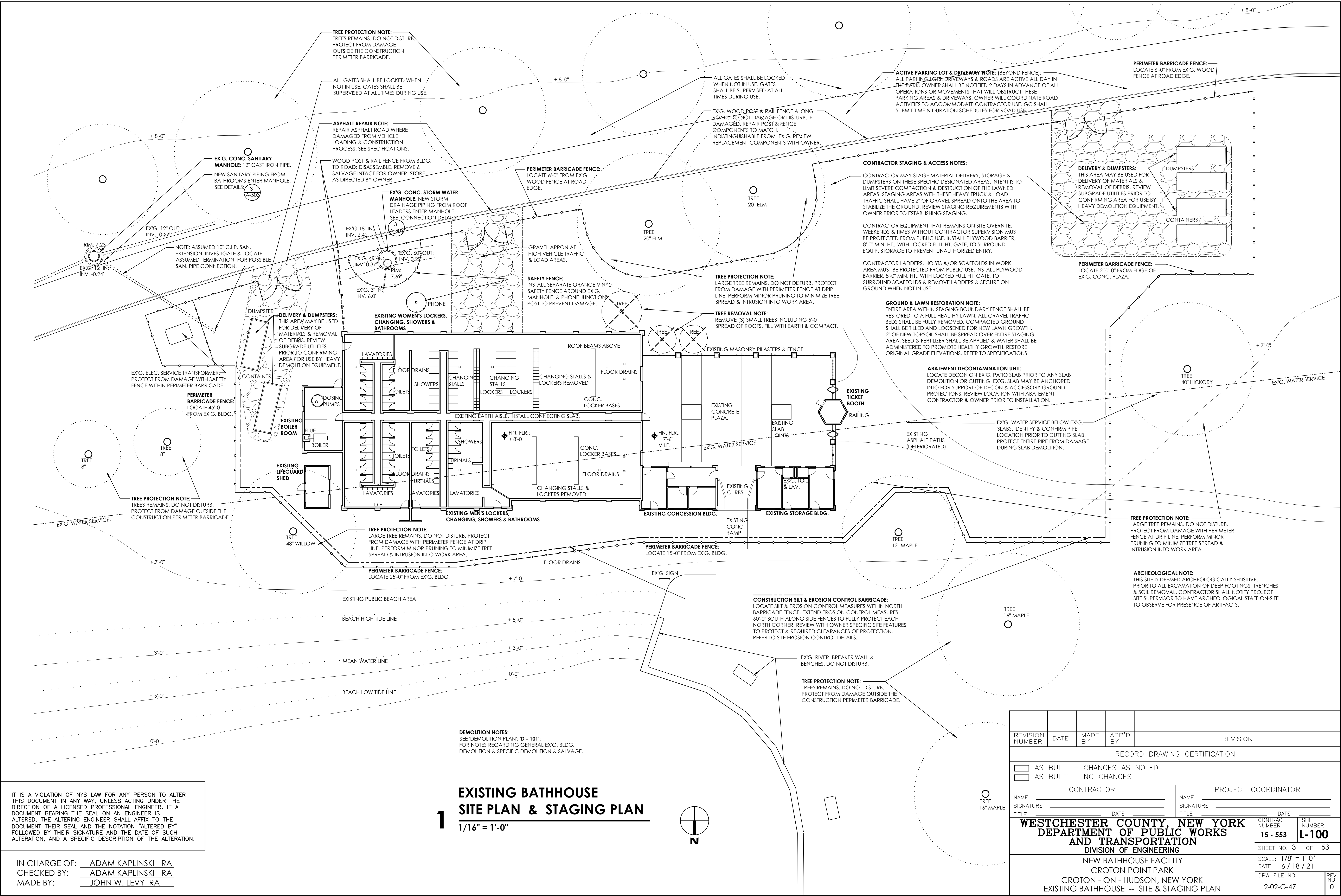


INSTALLATION NOTES

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

4 STABILIZATION NTS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
NAME _____ SIGNATURE _____ TITLE _____		PROJECT COORDINATOR NAME _____ SIGNATURE _____ TITLE _____		
NAME _____ SIGNATURE _____ TITLE _____		NAME _____ SIGNATURE _____ TITLE _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 15 - 553 SHEET NO. 2 OF 53		
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK CODE COMPLIANCE DATA, EROSION CONTROL		SCALE: NTS DATE: 6 / 18 / 21 DPW FILE NO. 2-02-G-46 REV. NO. 0		



IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

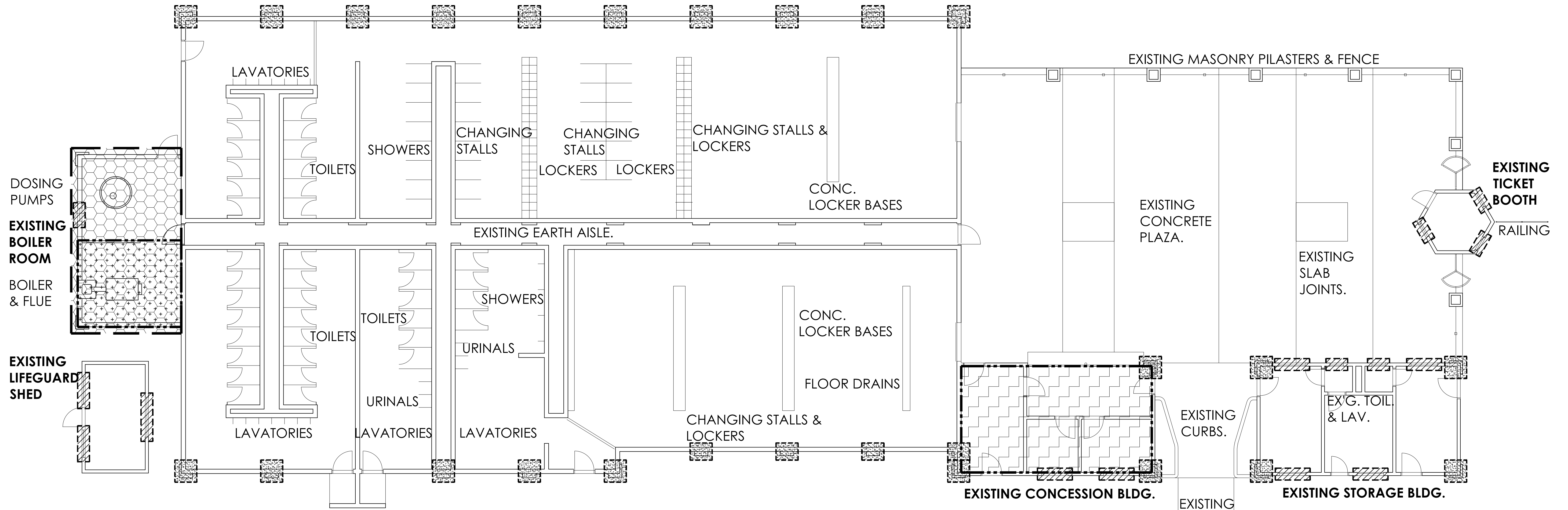
DEMOLITION NOTES:
SEE DEMOLITION PLAN: "D - 101".
FOR NOTES REGARDING GENERAL EX'G. BLDG.
DEMOLITION & SPECIFIC DEMOLITION & SALVAGE.

EXISTING BATHHOUSE SITE PLAN & STAGING PLAN

1/16" = 1'-0"



REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	TITLE	TITLE	TITLE	TITLE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK EXISTING BATHHOUSE -- SITE & STAGING PLAN		SCALE: 1/8" = 1'-0" DATE: 6 / 18 / 21 DPW FILE NO. 2-02-G-47 REV. NO. 0		



HAZARDOUS MATERIALS NOTES:

THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE **"POSITIVE" FOR ASBESTOS**; (SEE LEGEND):

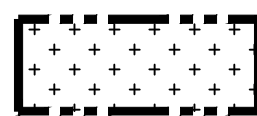
COVER ON BOILER, FIREBRICK & MORTAR, BOILER FLUE PATCH, WINDOW SASHES & FRAMES & ASSOCIATED GLAZING COMPOUND.
INTERIOR DOOR CAULKING WHERE INDICATED.
EXPANSION JOINT CAULKING BETWEEN BRICK PIERS & BLOCK MASONRY.
ROLLED ASPHALT ROOFING & TAR FLASHING.

DEMOLITION & REMOVAL ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH: **"NYS CODE RULE 56" & "ASBESTOS REMOVAL & DISPOSAL PROTOCOL."**

THE FOLLOWING MATERIALS HAVE BEEN TESTED & RESULTS ARE **"POSITIVE FOR LEAD"**:
ALL METAL LOCKERS, TOILET PARTITIONS, HEAR RAILS, POSTS, & RELATED BRACKETS.
ALL OVERHEAD ROLLING DOORS & RELATED FRAMES.
ALL PAINTED ITEMS, HARDWARE & FASTENERS.

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

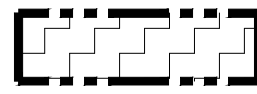
ASBESTOS ABATEMENT LEGEND:



REMOVE & DISPOSE OF COVER ON BOILER, FIREBRICK & MORTAR, & BOILER FLUE PATCH AS ASBESTOS CONTAINING MATERIAL. ALL OTHER COMPONENTS OF BOILER SHALL BE CLEANED & DECONTAMINATED OF ALL ASBESTOS CONTAINING MATERIAL & DISPOSED OF AS GENERAL CONSTRUCTION DEBRIS.



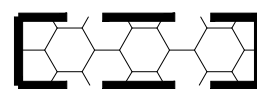
REMOVE & DISPOSE OF WINDOW SASHES & FRAMES & ASSOCIATED WINDOW GLAZING COMPOUND & CAULKING AS ASBESTOS CONTAINING MATERIAL. ALL CAULKING SHALL BE REMOVED ENTIRELY FROM ADJACENT BUILDING SUBSTRATES.



REMOVE & DISPOSE OF INTERIOR DOOR CAULKING AS ASBESTOS CONTAINING MATERIAL. ALL CAULKING SHALL BE REMOVED ENTIRELY FROM ADJACENT BUILDING SUBSTRATES.



REMOVE & DISPOSE OF EXPANSION JOINT CAULKING BETWEEN BRICK PIERS AND CONCRETE MASONRY UNIT WALLS AS ASBESTOS CONTAINING MATERIAL. ALL CAULKING SHALL BE REMOVED ENTIRELY FROM ADJACENT BUILDING SUBSTRATES.



REMOVE & DISPOSE OF ROLLED ROOFING & FLASHING TAR COMPLETELY DOWN TO TOP OF ROOF DECK. ALL TAR & FLASHING SHALL BE REMOVED ENTIRELY FROM ADJACENT BUILDING SUBSTRATES.

REFER TO SPEC. SECTION: 028200.

NOTES:

ALL ITEMS NOTED TO REMAIN ON EITHER THE ABATEMENT OR DEMOLITION & SALVAGE DRAWINGS SHALL BE INSPECTED FOR ANY ASBESTOS CONTAINING RESIDUE. ABATEMENT CONTRACTOR SHALL CLEAN ANY & ALL ASBESTOS CONTAINING RESIDUE FROM ANY ITEM WHERE SUCH RESIDUE IS PRESENT.

ALL LAYERS OF ASBESTOS CONTAINING MATERIALS SHALL BE COMPLETELY REMOVED DOWN TO A SUBSTRATE THAT IS FREE OF ALL ASBESTOS MATERIAL, DEBRIS & RESIDUE.

THE EXTERIOR SUB-GRADE WATERPROOFING MEMBRANE CONTAINS ASBESTOS. THE CONTRACTOR SHALL NOT DISTURB THE EX'G. SUB-GRADE WATERPROOFING MEMBRANE. ANY POTENTIAL DISTURBANCE OF THE EX'G. SUB-GRADE WATERPROOFING MEMBRANE SHALL BE PERFORMED BY THE ABATEMENT CONTRACTOR IF DISTURBANCE IS REQUIRED.

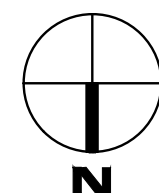
WHERE LEAD CONTAINING MATERIALS ARE SCHEDULED TO BE DISTURBED DURING DEMOLITION OPERATION, THE SAME SHALL BE PERFORMED IN ACCORDANCE WITH SPEC. SECTION: 028200.

ARCHEOLOGICAL NOTE:
THIS SITE IS DEEMED ARCHEOLOGICALLY SENSITIVE. PRIOR TO ALL EXCAVATION OF DEEP FOOTINGS, TRENCHES & SOIL REMOVAL, CONTRACTOR SHALL NOTIFY PROJECT SITE SUPERVISOR TO HAVE ARCHEOLOGICAL STAFF ON-SITE TO OBSERVE FOR PRESENCE OF ARTIFACTS.

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

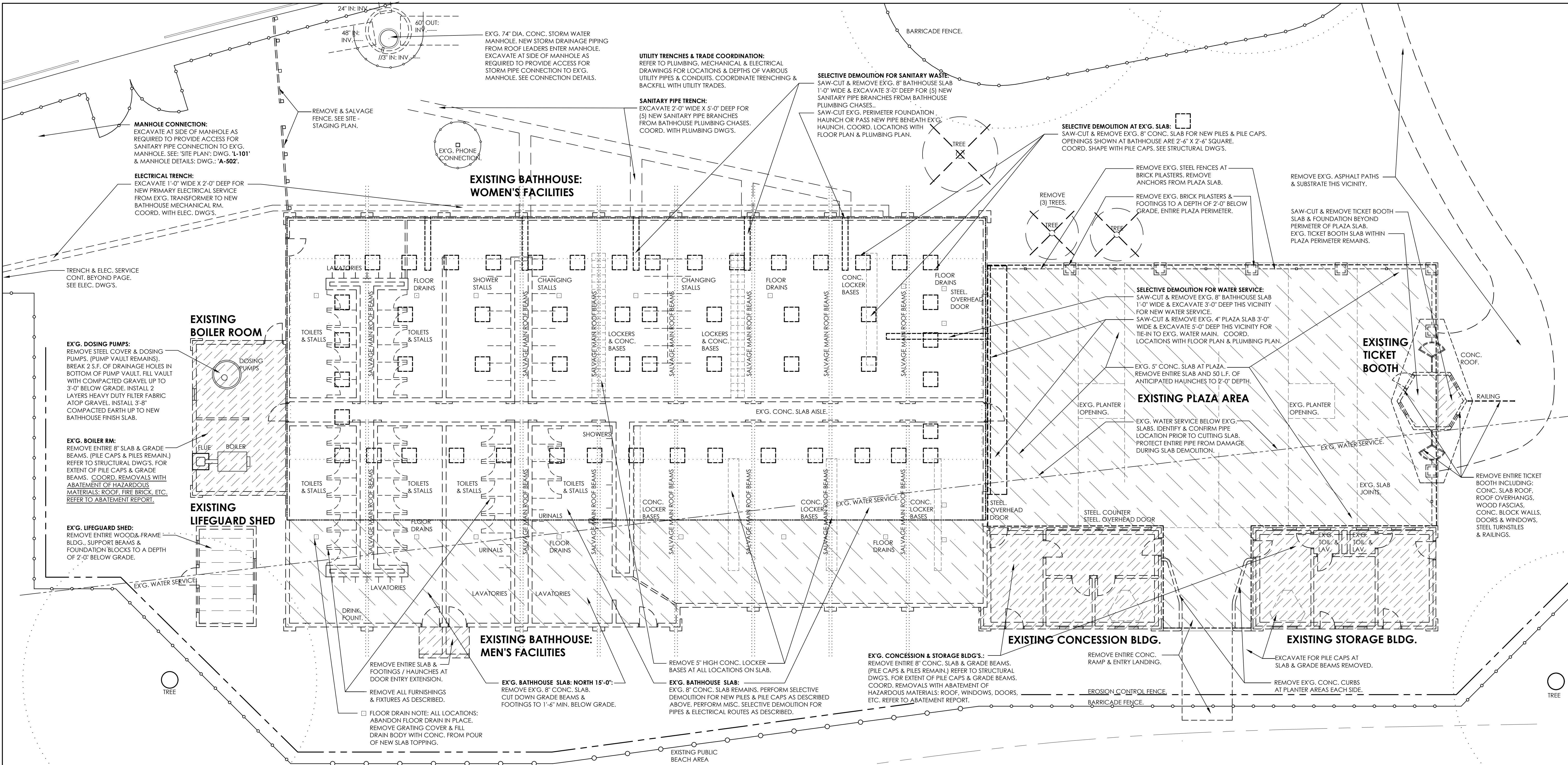
IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

EXISTING BATHHOUSE -- FLOOR PLAN
HAZARDOUS MATERIAL ABATEMENT
1/8" = 1'-0"



Adelaide
Environmental Health Associates, Inc.
1511 Route 22 - Suite C-24
Brewster, New York 10509
p: 845.278.7710 f: 845.278.7750
adelaidellc.com
Environmental Consultants

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK HAZARDOUS MATERIAL ABATEMENT		
CONTRACT NUMBER	15 - 553	SHEET NUMBER	H-101	
SHEET NO. 4		OF 53		
SCALE: NTS		DATE: 6 / 18 / 21		
DPW FILE NO.		2-02-G-48		REV. NO. 0



REMOVE THE FOLLOWING ENTIRE ITEMS AT PLAZA:

REMOVE 2'-0" X 2'-0" BRICK & BLOCK PILASTERS AT PLAZA PERIMETER.
REMOVE STEEL FENCES & INTERMEDIATE STEEL POSTS BETWEEN PILASTERS.
REMOVE STEEL TURNSTILES & RAILINGS AT TICKET BOOTH.

REMOVE THE FOLLOWING ENTIRE SLABS & GRADE BEAMS:

REMOVE AT: BOILER RM., CONCESSION & STORAGE BLDG'S.
REMOVE PARTIAL SLAB & GRADE BEAMS AT TICKET BOOTH AS SHOWN ON PLAN.

REMOVE THE FOLLOWING ENTIRE SLABS, CUT GRADE BEAMS:

REMOVE AT: 15'-0" NORTH SLAB AREA. REVIEW EXTENT ON-SITE WITH ARCH.
CUT DOWN GRADE BEAMS TO 1'-6" DEPTH. COORD. WITH STRUCTURAL DWG. 'F-101'.

PERFORM THE FOLLOWING SELECTIVE DEMOLITION:

SAW-CUT 2'-6" X 2'-6" SQUARE OPENINGS IN 8" THICK SLAB FOR NEW PILE CAPS.
SAW-CUT SLOTS IN 8" THICK SLAB FOR NEW WATER SERVICE AS SHOWN ON PLAN.

REMOVE THE FOLLOWING ENTIRE ITEMS AT BLDG'S:

BATHHOUSE, PLAZA, BOILER RM., SHED, CONCESSION & STORAGE BLDG'S & TICKET BOOTH:

WALL, DOOR & WINDOW DEMOLITION:
REMOVE ALL 8" CONC. BLOCK WALLS, APPROX. 11'-0" HIGH AT BATHHOUSE, APPROX. 9'-0" HIGH AT OTHER BLDG'S.
REMOVE 2'-0" X 2'-0" BRICK & BLOCK PILASTERS AT 11'-4" O.C. & ALL BLDG. CORNERS.
REMOVE MISC. WOOD &/OR GYP.W.B. PARTITIONS.
REMOVE TOILET PARTITIONS, DRESSING & SHOWER STALLS.
REMOVE ALL METAL SWING DOORS.
REMOVE ALL STEEL OVERHEAD DOORS.
REMOVE ALL WINDOWS.
REMOVE STEEL COUNTERS & STEEL SUPPORT COLUMNS.

LIFEGUARD SHED:

REMOVE ENTIRE WOOD SHED: WALLS, FLOOR & ENTIRE ROOF.
REMOVE WOOD FOOTING BEAMS & CONC. FOOTINGS TO 2'-0" BELOW GRADE.

ROOF DEMOLITION:

BATHHOUSE:
REMOVE CORRUGATED FIBERGLASS ROOF PANELS AT ENTIRE BATHHOUSE ROOF AREA.
REMOVE ALL 2 X 10 INTERMEDIATE ROOF JOISTS AT 4'-0" O.C.
REMOVE ALL WOOD FASCIAS.
(SEE MAIN BEAM SALVAGE NOTE.)

BOILER RM:

(REFER TO ABATEMENT PLANS FOR SELECTIVE ROOF ABATEMENT AT BOILER RM.)
REMOVE WOOD JOIST FRAMING AT 16" O.C. & WOOD SHEATHING.
REMOVE ALL WOOD FASCIAS.

CONCESSION & STORAGE BLDG'S:

REMOVE WOOD JOIST FRAMING AT 16" O.C., WOOD SHEATHING & ROOF MEMBRANES.
REMOVE ALL WOOD FASCIAS.

TICKET BOOTH:

REMOVE 5" CONC. ROOF SLAB & OVERHANGS.
REMOVE WOOD FASCIAS.

REMOVE THE FOLLOWING FURNISHINGS & FIXTURES:

BATHHOUSE, BOILER RM., CONCESSION & STORAGE BLDG'S:

BOILER.
DOSING PUMPS & STEEL COVER.
TOILET PARTITIONS, SHOWER & CHANGING STALLS.
LOCKERS & RELATED CONC. LOCKER BASES.
TOILETS, URINALS, LAVATORIES.
RELATED ABOVE SLAB PLUMBING PIPES & ROUGHING.
ABOVE SLAB ELECTRICAL CONDUIT & LIGHT FIXTURES.

MAINTAIN & SALVAGE THE FOLLOWING ITEMS:

MAINTAIN THE FOLLOWING ENTIRE ITEMS:

BATHHOUSE CONC. SLAB SOUTH OF THE 15'-0" NORTH REMOVAL ZONE.

SALVAGE THE FOLLOWING ENTIRE ITEMS:

THE MAIN ROOF BEAMS SHALL BE REMOVED & SALVAGED INTACT IN ONE PIECE, FULL LENGTH (APPROX. 36'-0"):
5 1/2" X 11" LAMINATED WOOD ROOF BEAMS. QTY: 14.
(SHORT BEAMS [APPROX 9'-0"], MAY BE DISCARDED. QTY: 6.)

ARCHAEOLOGICAL NOTE:

THIS SITE IS DEEMED ARCHAEOLOGICALLY SENSITIVE. PRIOR TO ALL EXCAVATION OF DEEP FOOTINGS, TRENCHES & SOIL REMOVAL, CONTRACTOR SHALL NOTIFY PROJECT SITE SUPERVISOR TO HAVE ARCHAEOLOGICAL STAFF ON-SITE TO OBSERVE FOR PRESENCE OF ARTIFACTS.

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

EXISTING BATHHOUSE: DEMOLITION, SALVAGE & EXCAVATION PLAN

1/8" = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<div><input type="checkbox"/> AS BUILT - CHANGES AS NOTED</div> <div><input type="checkbox"/> AS BUILT - NO CHANGES</div>				
CONTRACTOR			PROJECT COORDINATOR	
NAME _____			NAME _____	
SIGNATURE _____			SIGNATURE _____	
TITLE _____ DATE _____			TITLE _____ DATE _____	
WESTCHESTER COUNTY, NEW YORK				
DEPARTMENT OF PUBLIC WORKS				
AND TRANSPORTATION				
DIVISION OF ENGINEERING				
NEW BATHHOUSE FACILITY				
CROTON POINT PARK				
CROTON - ON - HUDSON, NEW YORK				
EXISTING BATHHOUSE -- DEMOLITION & SALVAGE				
			CONTRACT NUMBER 15 - 553	SHEET NUMBER D - 101
			SHEET NO. 5	OF 53
			SCALE: 1/8" = 1'-0"	
			DATE: 6 / 18 / 21	
			DPW FILE NO. 2-02-G-49	REV. NO. 0

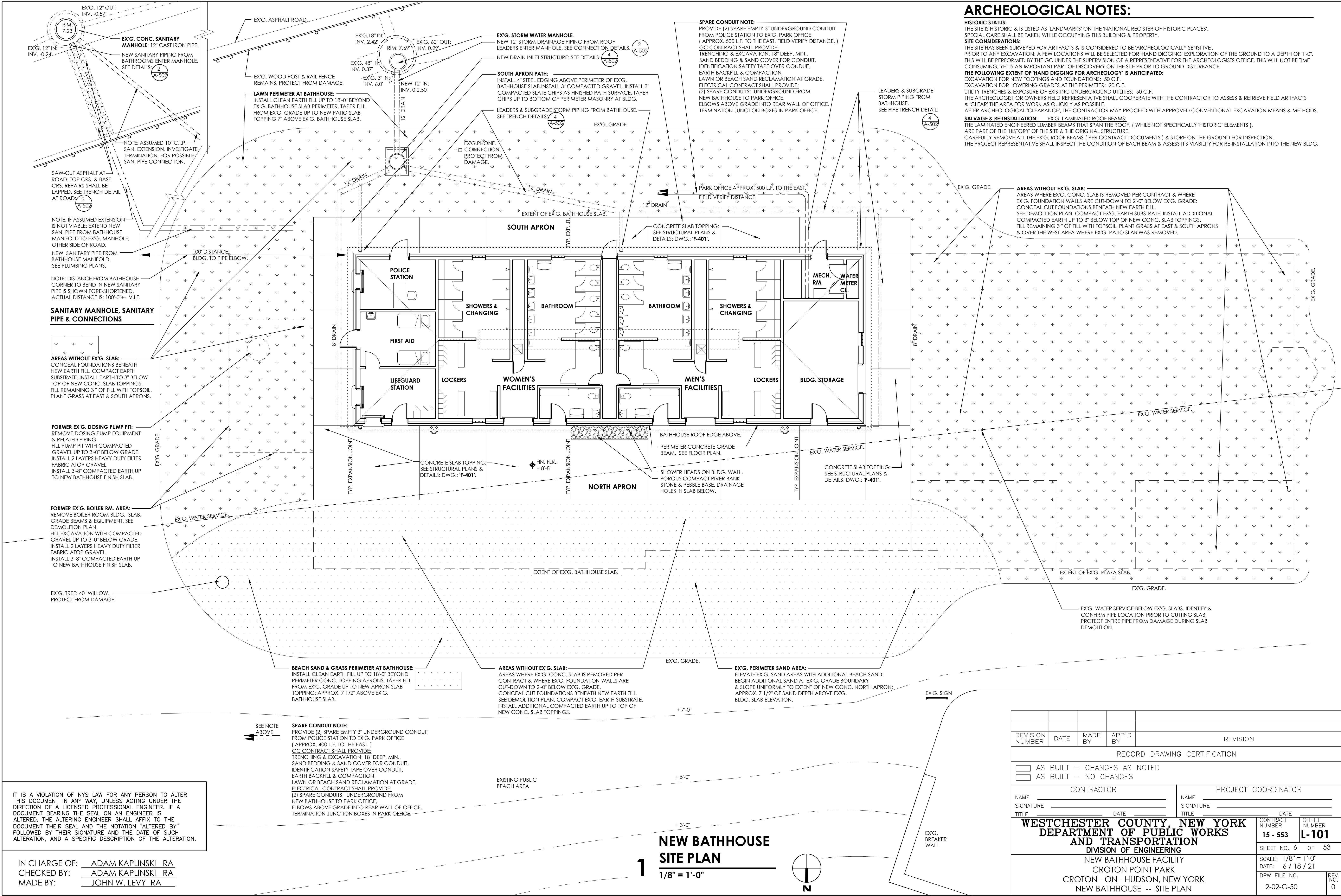
ARCHEOLOGICAL NOTES:

HISTORIC STATUS:
THE SITE IS HISTORIC & IS LISTED AS 'LANDMARKS' ON THE 'NATIONAL REGISTER OF HISTORIC PLACES'. SPECIAL CARE SHALL BE TAKEN WHILE OCCUPYING THIS BUILDING & PROPERTY.

SITE CONSIDERATIONS:
THE SITE HAS BEEN SURVEYED FOR ARTIFACTS & IS CONSIDERED TO BE 'ARCHEOLOGICALLY SENSITIVE'. PRIOR TO ANY EXCAVATION, A FEW LOCATIONS WILL BE SELECTED FOR 'HAND DIGGING' EXPLORATION OF THE GROUND TO A DEPTH OF 1'-0". THIS WILL BE PERFORMED BY THE GC UNDER THE SUPERVISION OF A REPRESENTATIVE FOR THE ARCHEOLOGISTS OFFICE. THIS WILL NOT BE TIME CONSUMING, YET IS AN IMPORTANT PART OF DISCOVERY ON THE SITE PRIOR TO GROUND DISTURBANCE.

THE FOLLOWING EXTENT OF 'HAND DIGGING FOR ARCHEOLOGY' IS ANTICIPATED:
EXCAVATION FOR NEW FOOTINGS AND FOUNDATIONS: 50 C.F.
EXCAVATION FOR LOWERING GRADES AT THE PERIMETER: 20 C.F.
UTILITY TRENCHES & EXPOSURE OF EXISTING UNDERGROUND UTILITIES: 50 C.F.
THE ARCHEOLOGIST OR OWNERS FIELD REPRESENTATIVE SHALL COOPERATE WITH THE CONTRACTOR TO ASSESS & RETRIEVE FIELD ARTIFACTS & 'CLEAR' THE AREA FOR WORK AS QUICKLY AS POSSIBLE.
AFTER ARCHEOLOGICAL 'CLEARANCE', THE CONTRACTOR MAY PROCEED WITH APPROVED CONVENTIONAL EXCAVATION MEANS & METHODS.

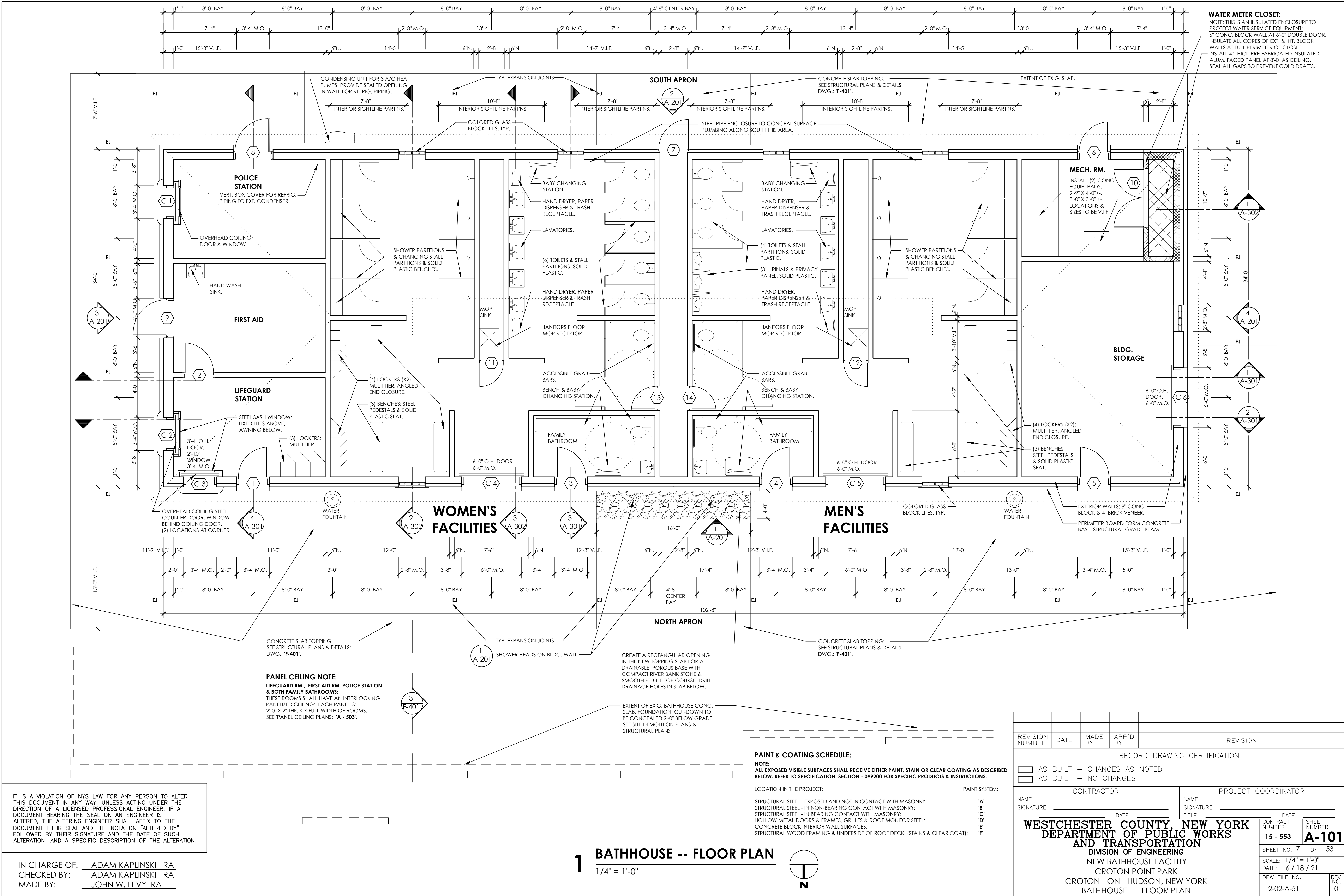
SALVAGE & RE-INSTALLATION: EX'G. LAMINATED ROOF BEAMS:
THE LAMINATED ENGINEERED LUMBER BEAMS THAT SPAN THE ROOF. (WHILE NOT SPECIFICALLY 'HISTORIC' ELEMENTS), ARE PART OF THE 'HISTORY' OF THE SITE & THE ORIGINAL STRUCTURE.
CAREFULLY REMOVE ALL THE EX'G. ROOF BEAMS (PER CONTRACT DOCUMENTS) & STORE ON THE GROUND FOR INSPECTION.
THE PROJECT REPRESENTATIVE SHALL INSPECT THE CONDITION OF EACH BEAM & ASSESS ITS VIABILITY FOR RE-INSTALLATION INTO THE NEW BLDG.

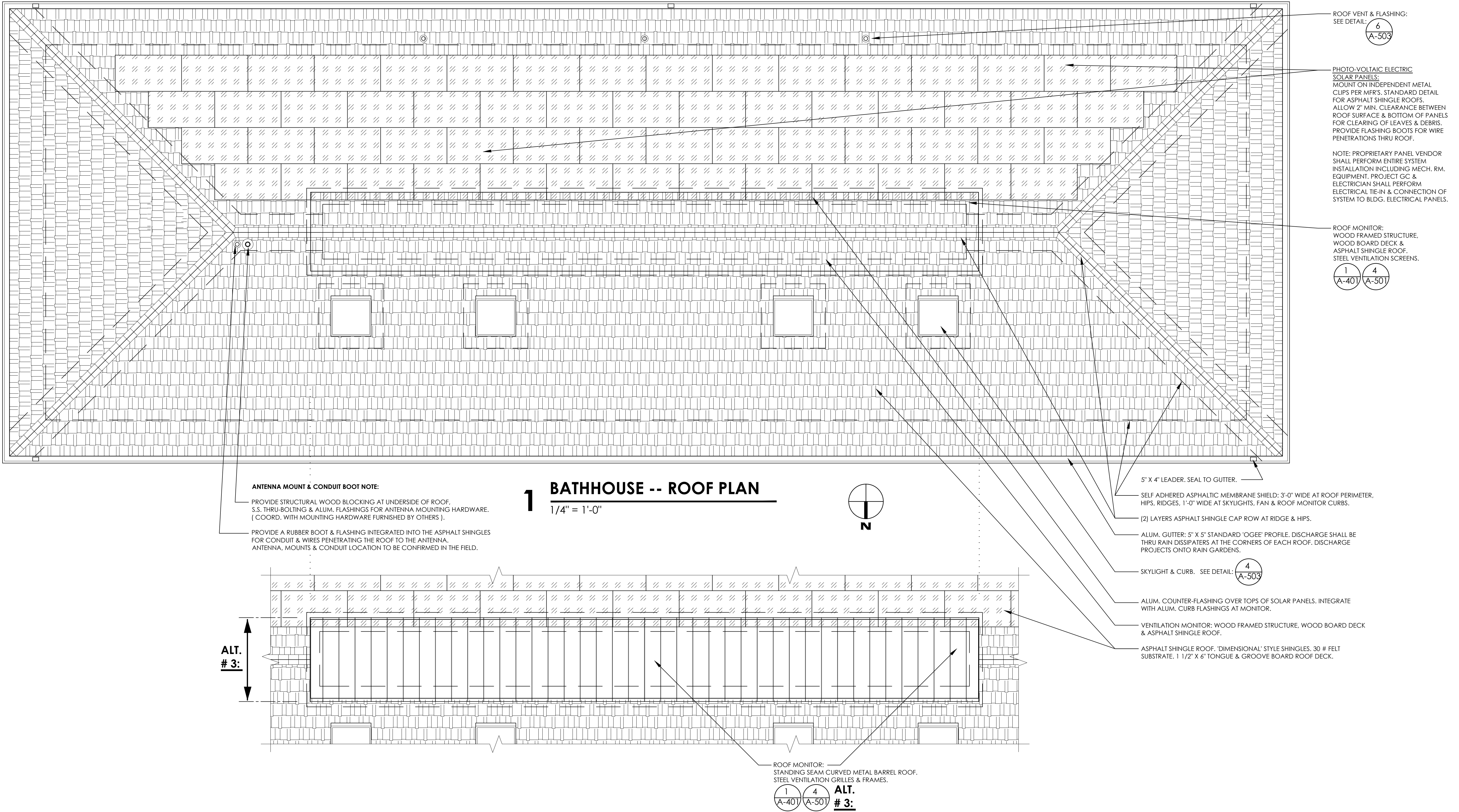


NEW BATHHOUSE
SITE PLAN

1/8" = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT – CHANGES AS NOTED				
<input type="checkbox"/> AS BUILT – NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME _____			NAME _____	
SIGNATURE _____			SIGNATURE _____	
TITLE _____ DATE _____			TITLE _____ DATE _____	
WESTCHESTER COUNTY, NEW YORK				
DEPARTMENT OF PUBLIC WORKS				
AND TRANSPORTATION				
DIVISION OF ENGINEERING				
NEW BATHHOUSE FACILITY				
CROTON POINT PARK				
CROTON - ON - HUDSON, NEW YORK				
NEW BATHHOUSE -- SITE PLAN				
CONTRACT NUMBER			SHEET NUMBER	
15 - 553			L-101	
SHEET NO. 6			OF 53	
SCALE: 1/8" = 1'-0"				
DATE: 6 / 18 / 21				
DPW FILE NO.			REV. NO.	
2-02-G-50			0	





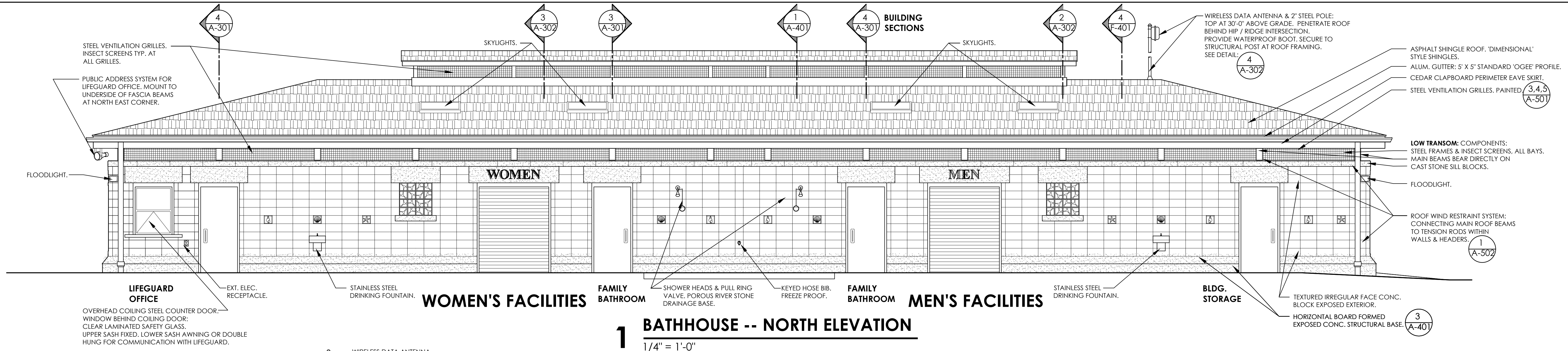
1 BATHHOUSE -- ROOF PLAN
1/4" = 1'-0"

2 ALTERNATE # 3: METAL BARREL ROOF MONITOR
1/4" = 1'-0"

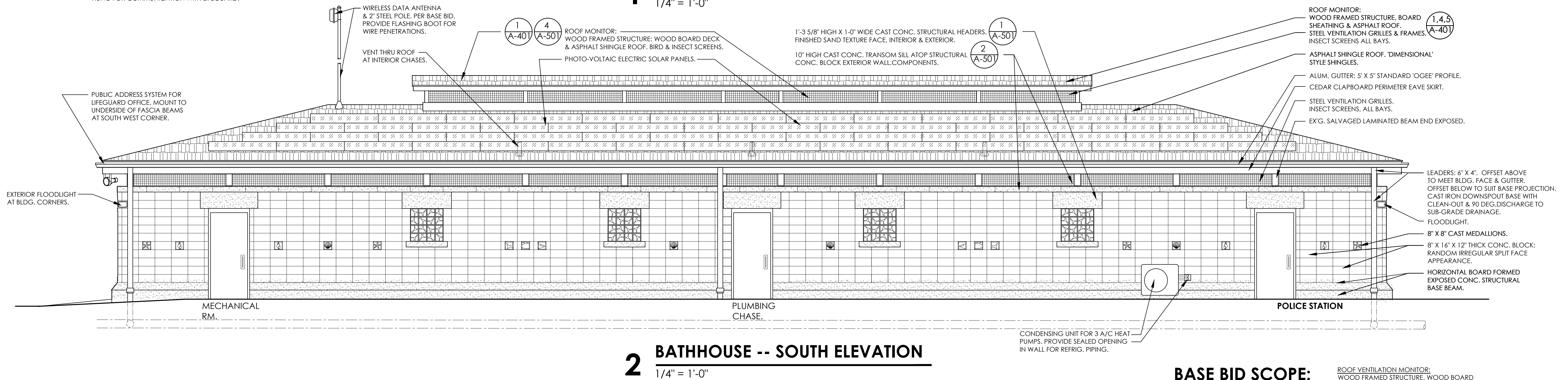
IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

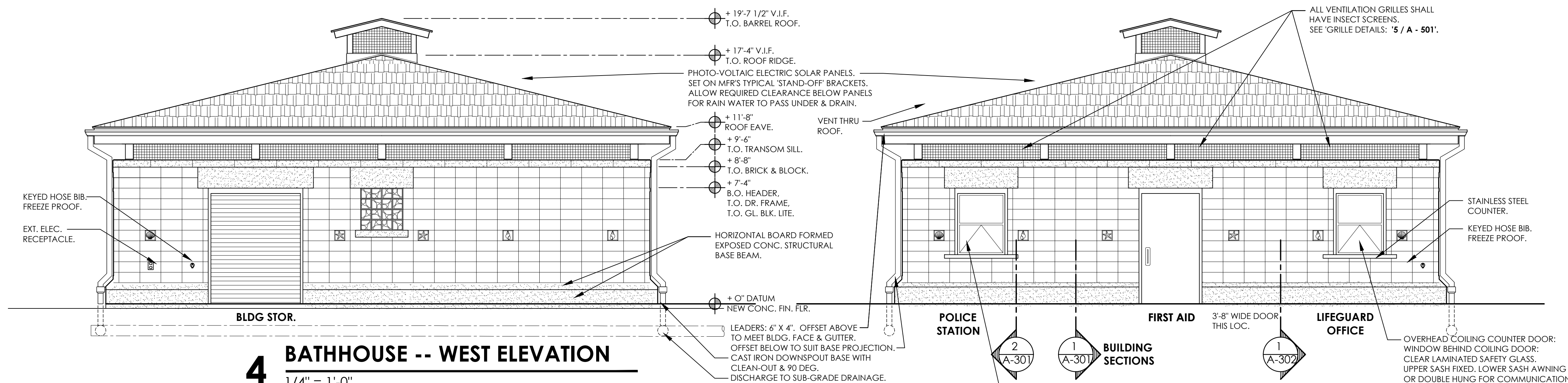
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT -- CHANGES AS NOTED <input type="checkbox"/> AS BUILT -- NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME	SIGNATURE			NAME
SIGNATURE	DATE			SIGNATURE
TITLE	DATE			TITLE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15 - 553 SHEET NO. 8 OF 53
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BATHHOUSE ROOF PLAN -- ALT. # 3: METAL ROOF MONITOR				SHEET NUMBER A-102 SCALE: 1/4" = 1'-0" DATE: 6 / 18 / 21 DPW FILE NO. 2-02-A-52 REV. NO. 0



1 BATHHOUSE -- NORTH ELEVATION
1/4" = 1'-0"



2 BATHHOUSE -- SOUTH ELEVATION
1/4" = 1'-0"



4 BATHHOUSE -- WEST ELEVATION
1/4" = 1'-0"

3 BATHHOUSE -- EAST ELEVATION
1/4" = 1'-0"

BASE BID SCOPE:

EXTERIOR STRUCTURAL WALLS:
12" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS: SPLIT FACE,
IRREGULAR PATTERN APPEARANCE,
BLOCK FILLER & EPOXY PAINT INTERIOR FINISH.

STRUCTURAL BASE GRADE BEAM:
EXPOSED BOARD FORMED CONC.

ROOF VENTILATION MONITOR:
WOOD FRAMED STRUCTURE, WOOD BOARD
DECK & ASPHALT SHINGLES.
VENTILATION BAND WITH INSECT SCREENS.

VENTILATION BAND:
STEEL PERIMETER FRAMES INSECT SCREENS.

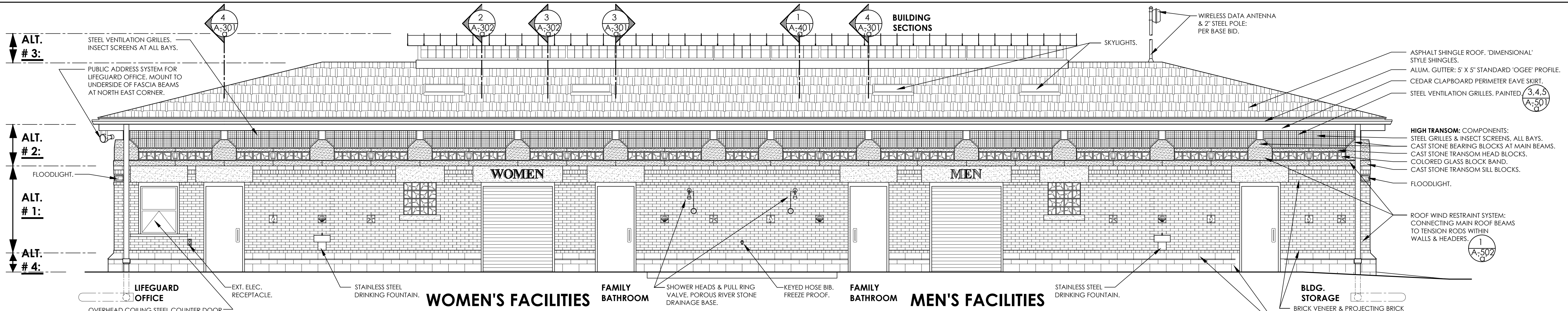
LOW TRANSOM & SILL COMPONENTS:
CAST CONC. SILL BLOCKS: 10" HIGH, AT TOP
OF STRUCTURAL EXTERIOR BLOCK WALLS.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

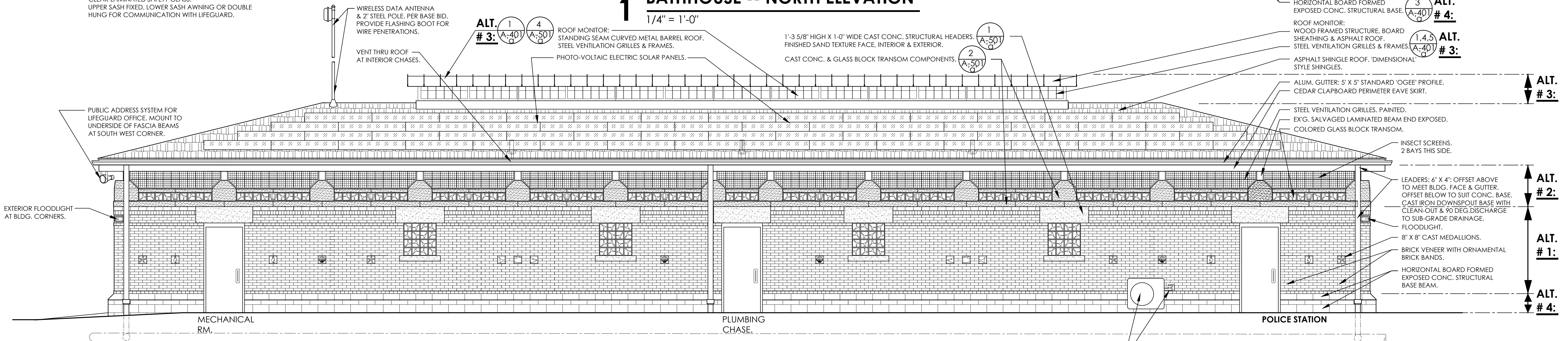
OVERHEAD COILING COUNTER DOOR:
WINDOW BEHIND COILING DOOR:
CLEAR LAMINATED SAFETY GLASS.
UPPER SASH FIXED, LOWER SASH AWNING
OR DOUBLE HUNG FOR COMMUNICATION
WITH LIFEGUARD.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT -- CHANGES AS NOTED <input type="checkbox"/> AS BUILT -- NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	DATE	NAME	DATE	
SIGNATURE		SIGNATURE		
TITLE		TITLE		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15 - 553 SHEET NO. 9 OF 53
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BATHHOUSE -- EXTERIOR ELEVATIONS -- BASE BID				SCALE: 1/4" = 1'-0" DATE: 6 / 18 / 21 DPW FILE NO. 2-02-A-53 REV. NO. 0



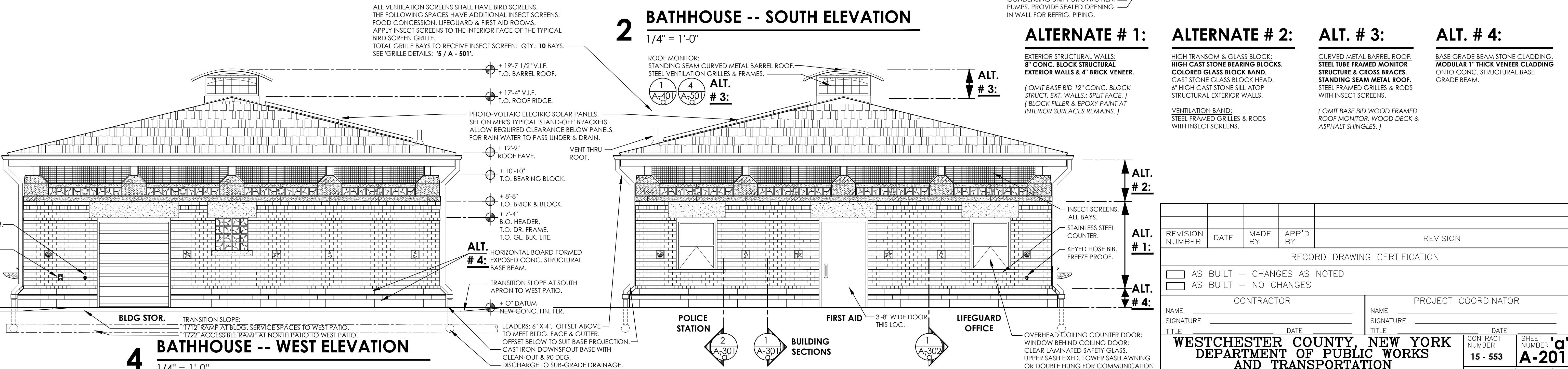
1 BATHHOUSE -- NORTH ELEVATION

1/4" = 1'-0"



2 BATHHOUSE -- SOUTH ELEVATION

1/4" = 1'-0"



4 BATHHOUSE -- WEST ELEVATION

1/4" = 1'-0"

3 BATHHOUSE -- EAST ELEVATION

1/4" = 1'-0"

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

ALTERNATE # 1:

EXTERIOR STRUCTURAL WALLS:
8" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS & 4" BRICK VENEER.

(OMIT BASE BID 12" CONC. BLOCK
STRUCT. EXT. WALLS.: SPLIT FACE.)
(BLOCK FILLER & EPOXY PAINT AT
INTERIOR SURFACES REMAINS.)

ALTERNATE # 2:

HIGH TRANSOM & GLASS BLOCK:
HIGH CAST STONE BEARING BLOCKS.
COLORED GLASS BLOCK BAND.
6" HIGH CAST STONE SILL ATOP
STRUCTURAL EXTERIOR WALLS.

VENTILATION BAND:
STEEL FRAMED GRILLES & RODS
WITH INSECT SCREENS.

ALT. # 3:

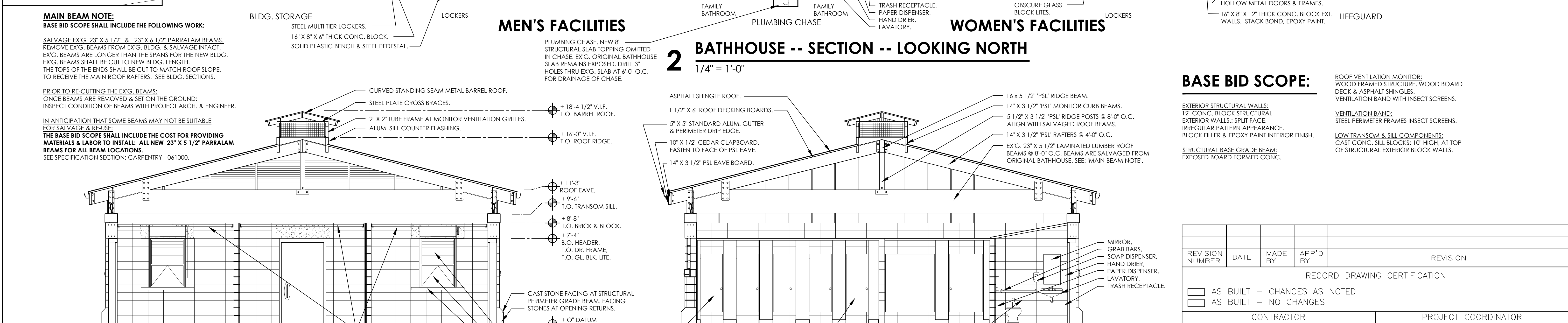
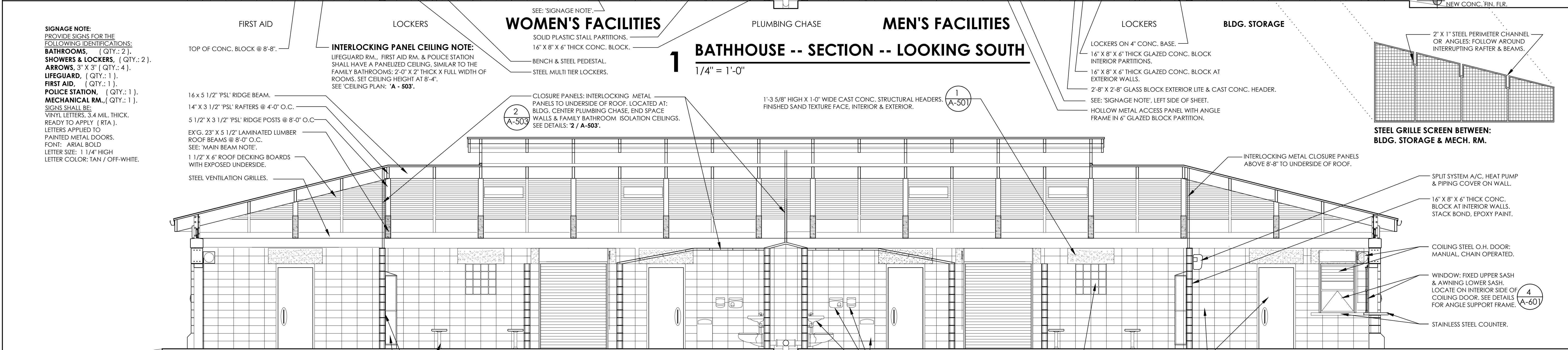
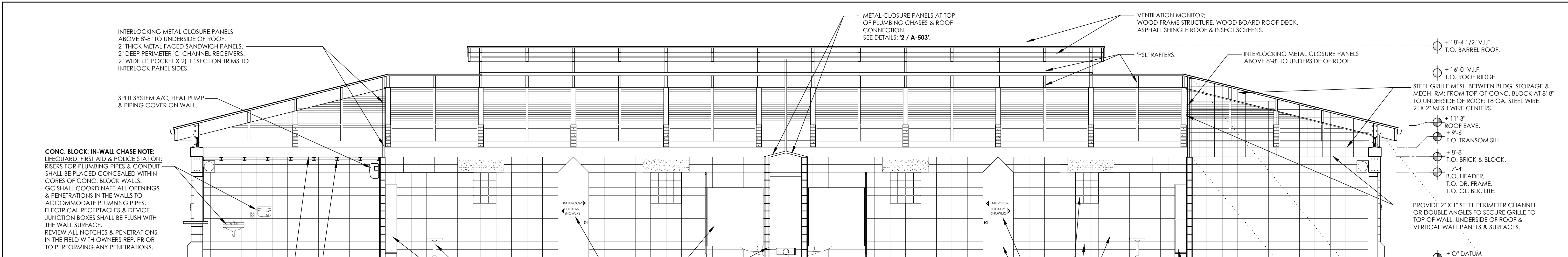
CURVED METAL BARREL ROOF.
STEEL TUBE FRAMED MONITOR
STRUCTURE & CROSS BRACES.
STANDING SEAM METAL ROOF.
STEEL FRAMED GRILLES & RODS
WITH INSECT SCREENS.

(OMIT BASE BID WOOD FRAMED
ROOF OF MONITOR, WOOD DECK &
ASPHALT SHINGLES.)

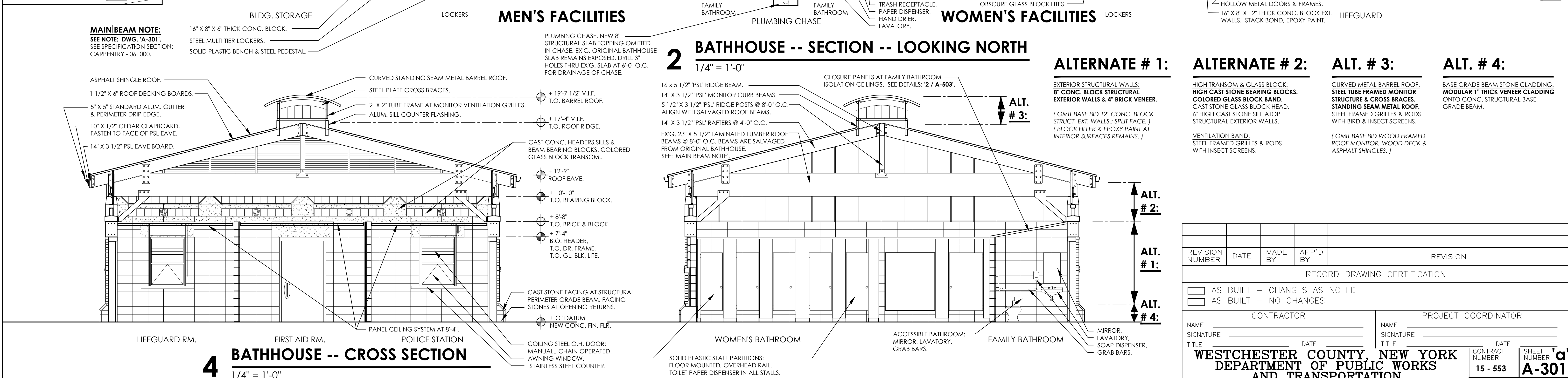
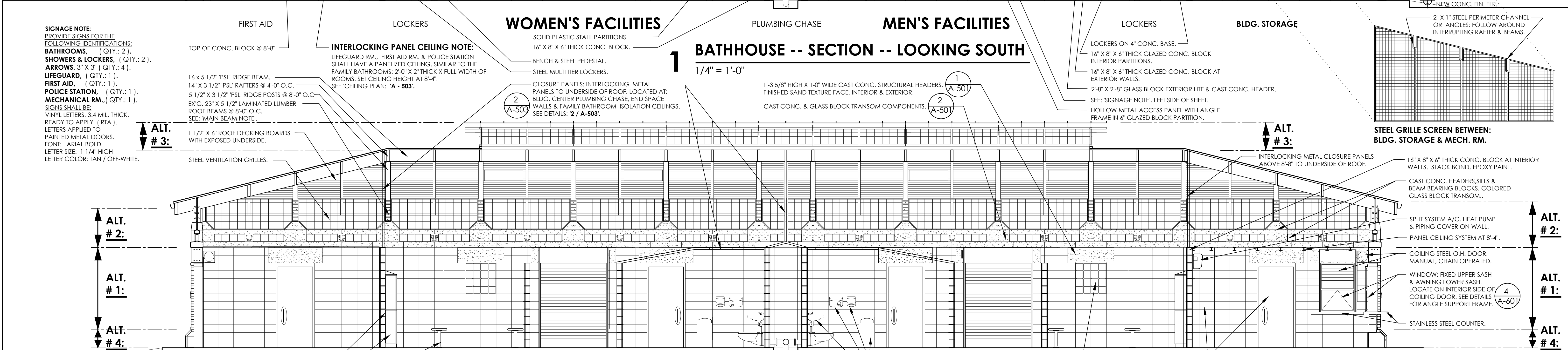
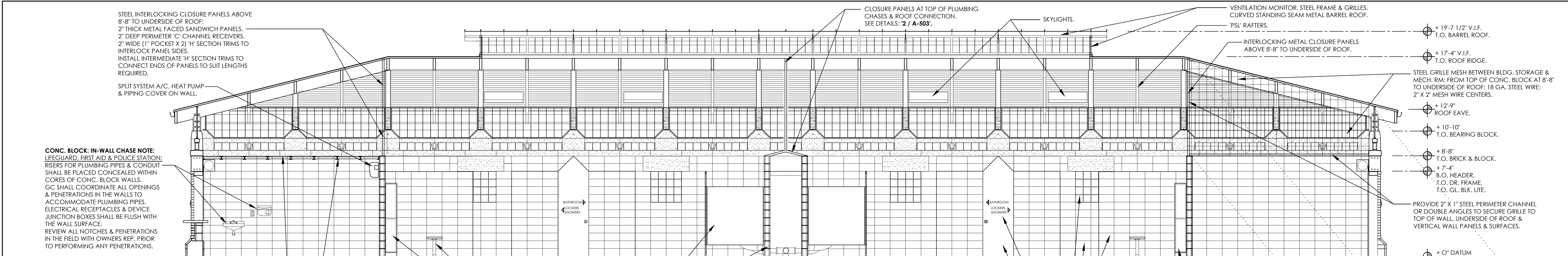
ALT. # 4:

BASE GRADE BEAM STONE CLADDING.
MODULAR 1" THICK VENEER CLADDING
ONTO CONC. STRUCTURAL BASE
GRADE BEAM.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT -- CHANGES AS NOTED				
<input type="checkbox"/> AS BUILT -- NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME _____			NAME _____	
SIGNATURE _____			SIGNATURE _____	
TITLE _____ DATE _____			TITLE _____ DATE _____	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BATHHOUSE -- EXTERIOR ELEVATIONS -- ALT. # 1, 2, 3 & 4			CONTRACT NUMBER 15 - 553	SHEET NUMBER A-201
			SHEET NO. 10 OF 53	
			SCALE: 1/4" = 1'-0" DATE: 6 / 18 / 21 DPW FILE NO. 2-02-A-54	
				REV. NO. 0



REVISION				REVISION			
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION			
RECORD DRAWING CERTIFICATION							
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES							
CONTRACTOR				PROJECT COORDINATOR			
NAME _____ SIGNATURE _____ TITLE _____				NAME _____ SIGNATURE _____ TITLE _____			
DATE _____				DATE _____			
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15 - 553 SHEET NO. 11 OF 53			
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BATHHOUSE -- BUILDING SECTIONS I				SHEET NUMBER A-301 SCALE: 1/4" = 1'-0" DATE: 6 / 18 / 21 DPW FILE NO. 2-02-A-55 REV. NO. 0			



IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

3 BATHHOUSE -- CROSS SECTION
1/4" = 1'-0"

ALTERNATE # 1:
EXTERIOR STRUCTURAL WALLS: 8" CONC. BLOCK STRUCTURAL EXTERIOR WALLS & 4" BRICK VENEER.
(OMIT BASE BID 12" CONC. BLOCK STRUCT. EXT. WALLS.: SPLIT FACE.)
(BLOCK FILLER & EPOXY PAINT AT INTERIOR SURFACES REMAINS.)

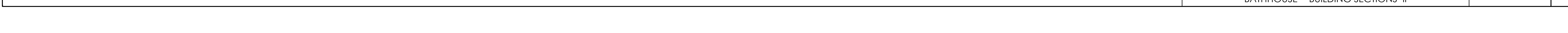
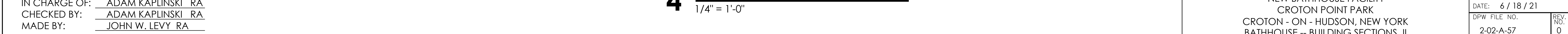
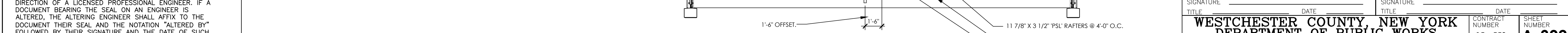
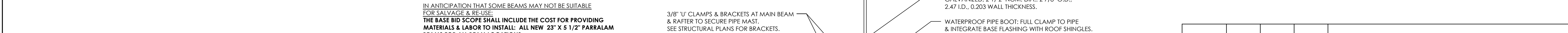
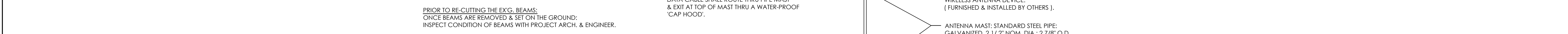
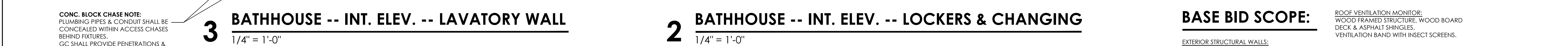
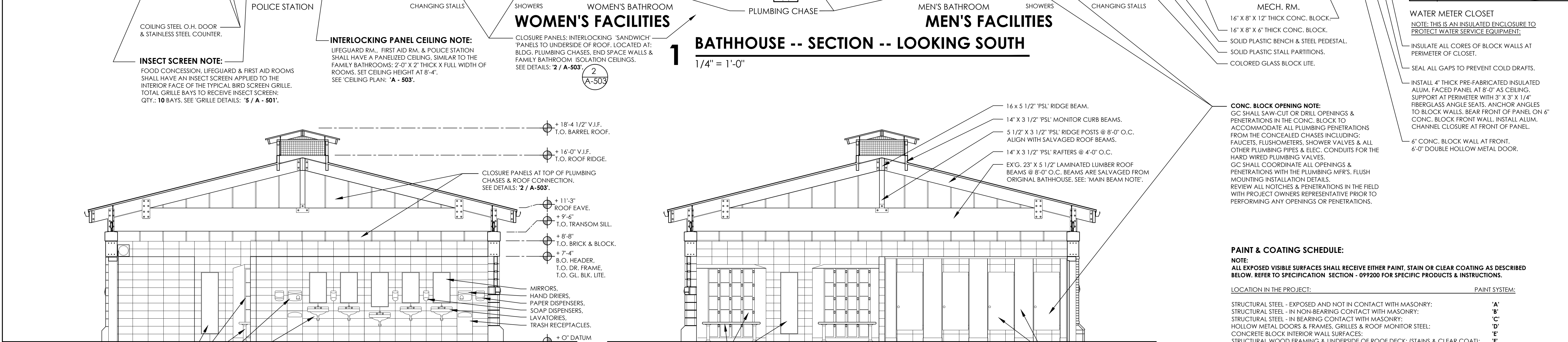
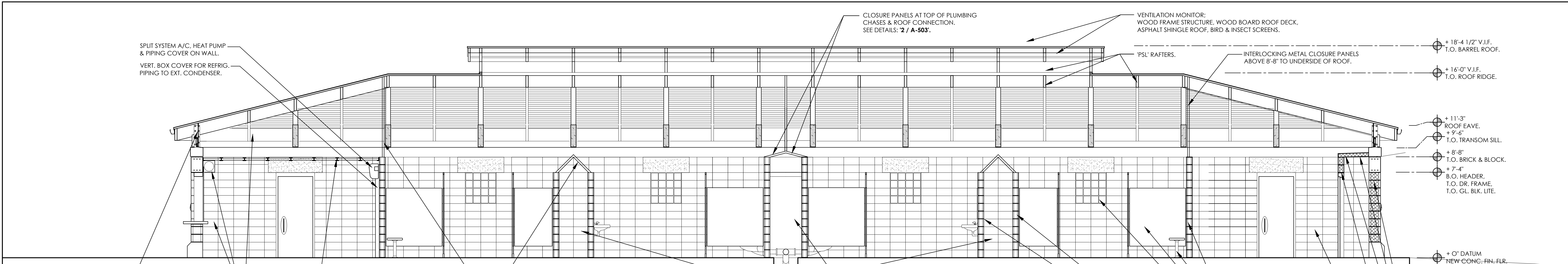
ALTERNATE # 2:
HIGH TRANSOM & GLASS BLOCK: HIGH CAST STONE BEARING BLOCKS. COLORED GLASS BLOCK BAND. CAST STONE GLASS BLOCK HEAD. 6" HIGH CAST STONE SILL ATOP STRUCTURAL EXTERIOR WALLS.
VENTILATION BAND: STEEL FRAMED GRILLES & RODS WITH INSECT SCREENS.

ALT. # 3:
CURVED METAL BARREL ROOF. STEEL TUBE FRAMED MONITOR STRUCTURE & CROSS BRACES. STANDING SEAM METAL ROOF. STEEL FRAMED GRILLES & RODS WITH BIRD & INSECT SCREENS.
(OMIT BASE BID WOOD FRAMED ROOF OF MONITOR, WOOD DECK & ASPHALT SHINGLES.)

ALT. # 4:
BASE GRADE BEAM STONE CLADDING. MODULAR 1" THICK VENEER CLADDING ONTO CONC. STRUCTURAL BASE GRADE BEAM.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
NAME SIGNATURE TITLE		CONTRACTOR		
NAME SIGNATURE TITLE		PROJECT COORDINATOR		
DATE		DATE		
CONTRACT NUMBER		SHEET NUMBER		
15 - 553		A-301		
SHEET NO. 12 OF 53		SCALE: 1/4" = 1'-0" DATE: 6 / 18 / 21		
DPW FILE NO.		REV. NO.		
2-02-A-56		0		

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING
NEW BATHHOUSE FACILITY
CROTON POINT PARK
CROTON - ON - HUDSON, NEW YORK
BATHHOUSE -- BUILDING SECTIONS I



IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

BASE BID SCOPE:

EXTERIOR STRUCTURAL WALLS:
12" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS.; SPLIT FACE.
IRREGULAR PATTERN APPEARANCE.
BLOCK FILLER & EPOXY PAINT INTERIOR FINISH.

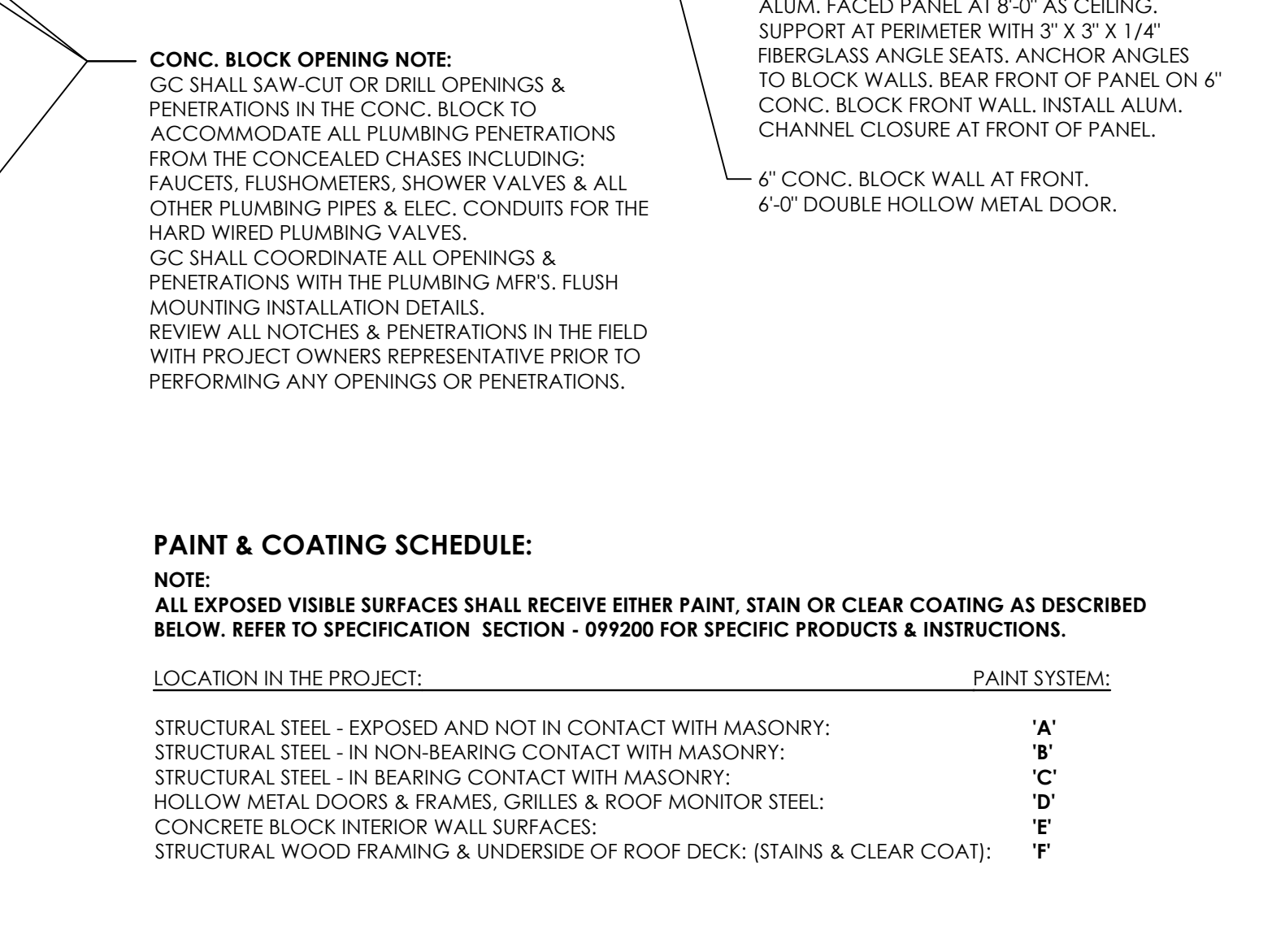
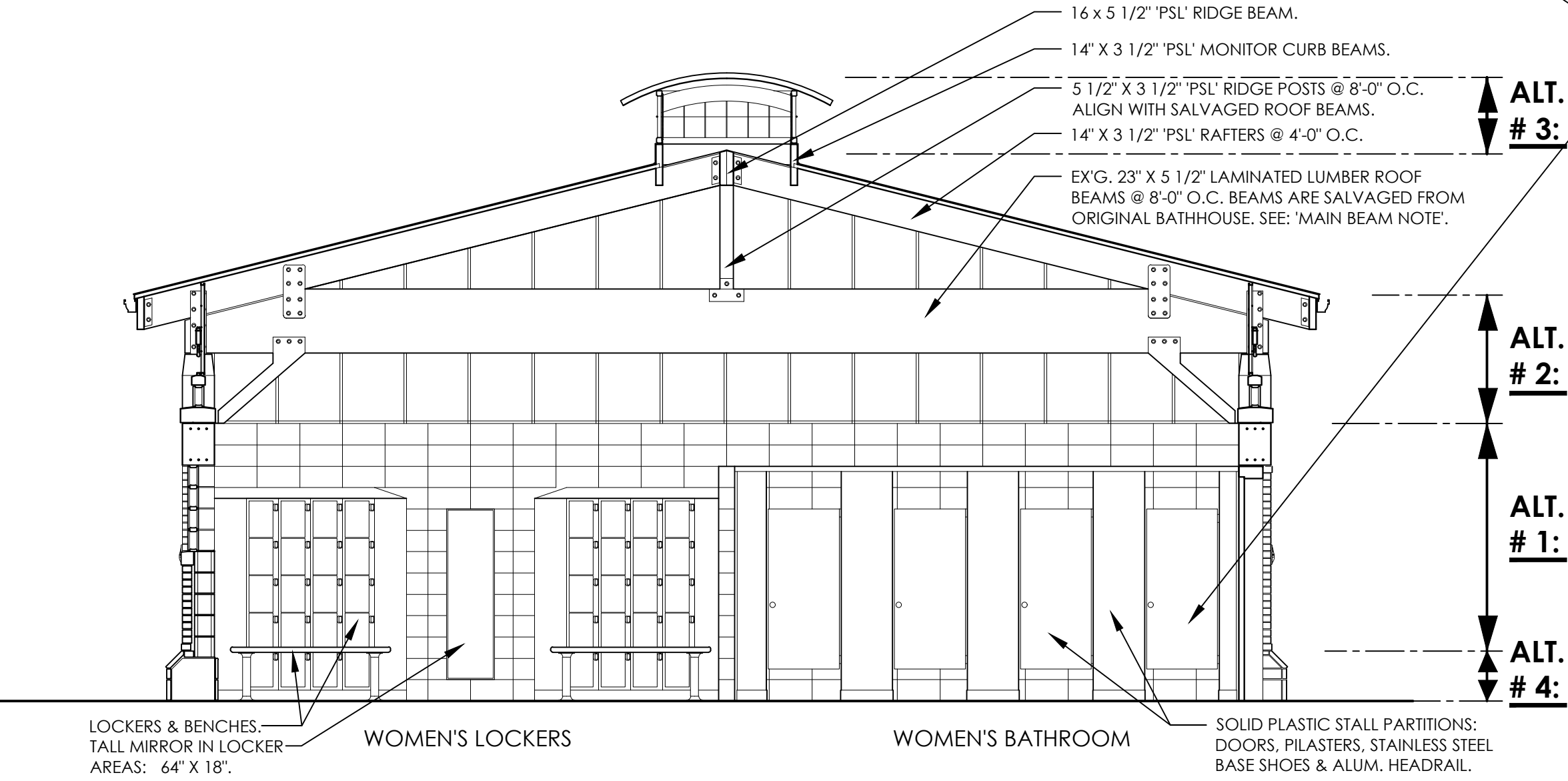
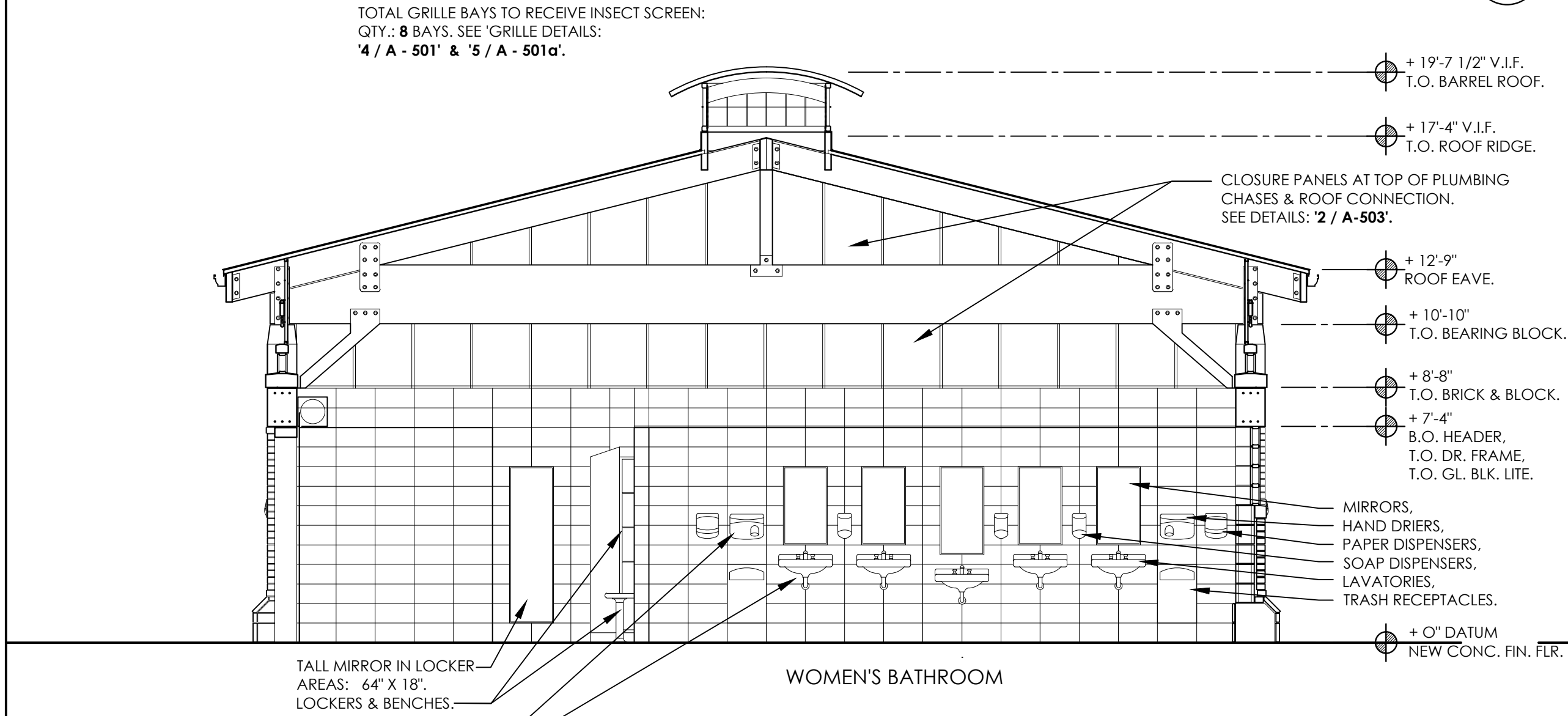
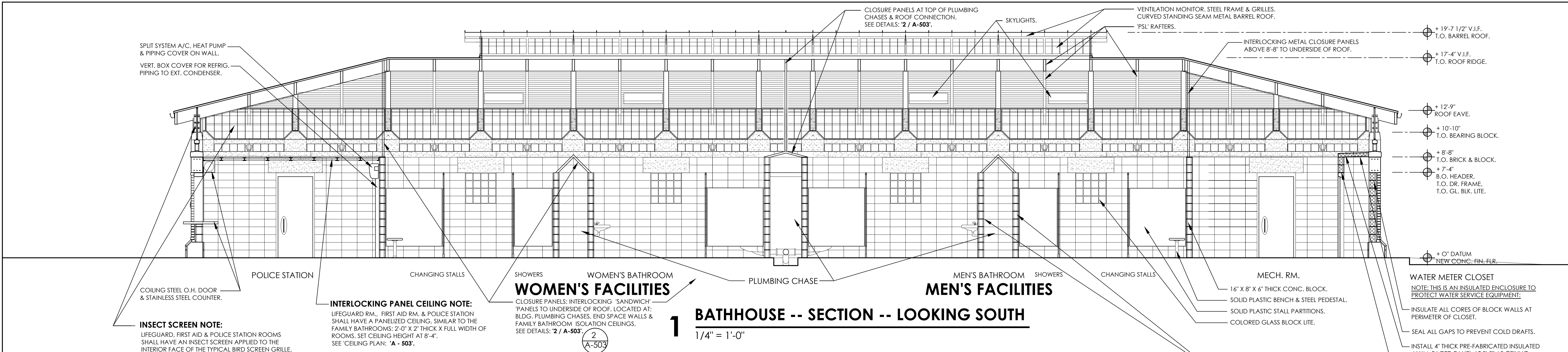
STRUCTURAL BASE GRADE BEAM:
EXPOSED BOARD FORMED CONC.

ROOF VENTILATION MONITOR:
WOOD FRAMED STRUCTURE, WOOD BOARD
DECK & ASPHALT SHINGLES.
VENTILATION BAND WITH INSECT SCREENS.

VENTILATION BAND:
STEEL PERIMETER FRAMES INSECT SCREENS.

LOW TRANSOM & SILL COMPONENTS:
CAST CONC. SILL BLOCKS: 10" HIGH, AT TOP
OF STRUCTURAL EXTERIOR BLOCK WALLS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BATHHOUSE -- BUILDING SECTIONS II		
CONTRACT NUMBER	15 - 553	SHEET NUMBER	A-302	
SHEET NO. 13 OF 53		SCALE: 1/4" = 1'-0" DATE: 6 / 18 / 21		
DPW FILE NO. 2-02-A-57		REV. NO. 0		



3 BATHHOUSE -- INT. ELEV. -- LAVATORY WALL

1/4" = 1'-0"

CONC. BLOCK CHASE NOTE:
PLUMBING PIPES & CONDUIT SHALL BE CONCEALED WITHIN ACCESS CHASES BEHIND FIXTURES. GC SHALL PROVIDE PENETRATIONS & NOTCHES TO ACCOMMODATE RECESSED FLUSH INSTALLATIONS OF PLUMBING SENSORS & ELECTRICAL JUNCTION BOXES. COORDINATE ALL OPENINGS & PENETRATIONS IN THE WALLS TO ACCOMMODATE FLUSH INSTALLATIONS. REVIEW ALL NOTCHES & PENETRATIONS IN THE FIELD WITH OWNERS REP. PRIOR TO PERFORMING ANY PENETRATIONS.

MAIN BEAM NOTE:
BASE BID SCOPE SHALL INCLUDE THE FOLLOWING WORK:
SALVAGE EX'G. 23" X 5 1/2" & 23" X 6 1/2" PARRALAM BEAMS. REMOVE EX'G. BEAMS FROM EX'G. BLDG. & SALVAGE INTACT. EX'G. BEAMS ARE LONGER THAN THE SPANS FOR THE NEW BLDG. EX'G. BEAMS SHALL BE CUT TO NEW BLDG. LENGTH. THE TOPS OF THE ENDS SHALL BE CUT TO MATCH ROOF SLOPE, TO RECEIVE THE MAIN ROOF RAFTERS. SEE BLDG. SECTIONS.
PRIOR TO RE-CUTTING THE EX'G. BEAMS:
ONCE BEAMS ARE REMOVED & SET ON THE GROUND:
INSPECT CONDITION OF BEAMS WITH PROJECT ARCH. & ENGINEER.
IN ANTICIPATION THAT SOME BEAMS MAY NOT BE SUITABLE FOR SALVAGE & RE-USE:
THE BASE BID SCOPE SHALL INCLUDE THE COST FOR PROVIDING MATERIALS & LABOR TO INSTALL: ALL NEW 23" X 5 1/2" PARRALAM BEAMS FOR ALL BEAM LOCATIONS.
SEE SPECIFICATION SECTION: CARPENTRY - 061000.

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

BASE BID NOTE:

"WIRELESS ANTENNA MAST":
REMAINS IN THE PROJECT AS:
"BASE BID" ITEM.

2 BATHHOUSE -- INT. ELEV. -- LOCKERS

1/4" = 1'-0"

CONC. BLOCK CHASE NOTE:
PLUMBING PIPES & CONDUIT SHALL BE CONCEALED WITHIN ACCESS CHASES BEHIND FIXTURES. GC SHALL PROVIDE PENETRATIONS & NOTCHES TO ACCOMMODATE RECESSED FLUSH INSTALLATIONS OF PLUMBING SENSORS & ELECTRICAL JUNCTION BOXES. COORDINATE ALL OPENINGS & PENETRATIONS IN THE WALLS TO ACCOMMODATE FLUSH INSTALLATIONS. REVIEW ALL NOTCHES & PENETRATIONS IN THE FIELD WITH OWNERS REP. PRIOR TO PERFORMING ANY PENETRATIONS.

MAIN BEAM NOTE:
BASE BID SCOPE SHALL INCLUDE THE FOLLOWING WORK:
SALVAGE EX'G. 23" X 5 1/2" & 23" X 6 1/2" PARRALAM BEAMS. REMOVE EX'G. BEAMS FROM EX'G. BLDG. & SALVAGE INTACT. EX'G. BEAMS ARE LONGER THAN THE SPANS FOR THE NEW BLDG. EX'G. BEAMS SHALL BE CUT TO NEW BLDG. LENGTH. THE TOPS OF THE ENDS SHALL BE CUT TO MATCH ROOF SLOPE, TO RECEIVE THE MAIN ROOF RAFTERS. SEE BLDG. SECTIONS.
PRIOR TO RE-CUTTING THE EX'G. BEAMS:
ONCE BEAMS ARE REMOVED & SET ON THE GROUND:
INSPECT CONDITION OF BEAMS WITH PROJECT ARCH. & ENGINEER.
IN ANTICIPATION THAT SOME BEAMS MAY NOT BE SUITABLE FOR SALVAGE & RE-USE:
THE BASE BID SCOPE SHALL INCLUDE THE COST FOR PROVIDING MATERIALS & LABOR TO INSTALL: ALL NEW 23" X 5 1/2" PARRALAM BEAMS FOR ALL BEAM LOCATIONS.
SEE SPECIFICATION SECTION: CARPENTRY - 061000.

4 WIRELESS ANTENNA MAST

1/4" = 1'-0"

"WIRELESS ANTENNA MAST":
REMAINS IN THE PROJECT AS:
"BASE BID" ITEM.

ALTERNATE # 1:

EXTERIOR STRUCTURAL WALLS:
8" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS & 4" BRICK VENEER.
(OMIT BASE BID 12" CONC. BLOCK
STRUCT. EXT. WALLS: SPLIT FACE.)
(BLOCK FILLER & EPOXY PAINT AT
INTERIOR SURFACES REMAINS.)

ALTERNATE # 2:

HIGH TRANSOM & GLASS BLOCK;
HIGH CAST STONE BEARING BLOCKS.
COLORED GLASS BLOCK BAND.
CAST STONE GLASS BLOCK HEAD,
6" HIGH CAST STONE SILL ATOP
STRUCTURAL EXTERIOR WALLS.
VENTILATION BAND:
STEEL FRAMED GRILLES & RODS
WITH INSECT SCREENS.

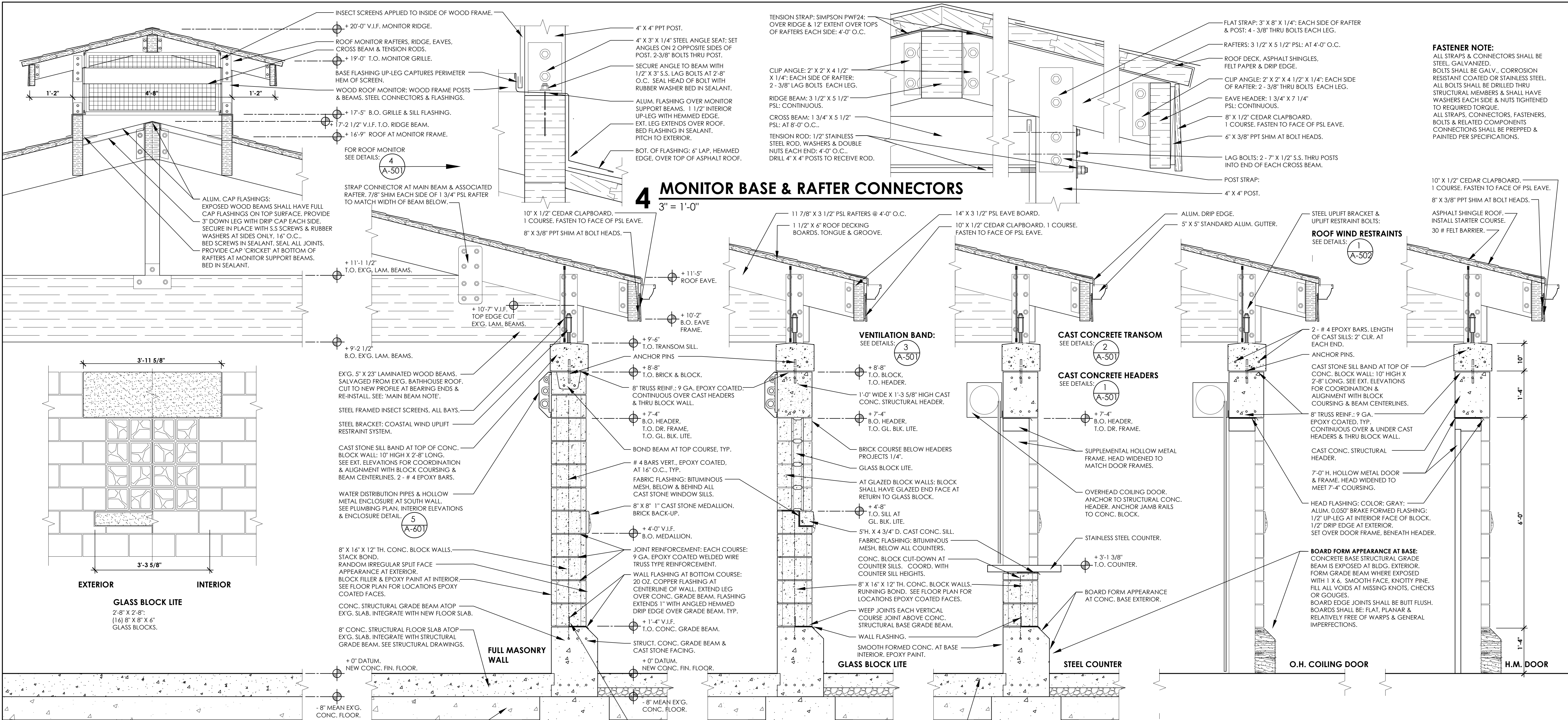
ALT. # 3:

CURVED METAL BARREL ROOF.
STEEL TUBE FRAMED MONITOR
STRUCTURE & CROSS BRACES.
STANDING SEAM METAL ROOF.
STEEL FRAMED GRILLES & RODS
WITH BIRD & INSECT SCREENS.
(OMIT BASE BID WOOD FRAMED
ROOF MONITOR, WOOD DECK &
ASPHALT SHINGLES.)

ALT. # 4:

BASE GRADE BEAM STONE CLADDING.
MODULAR 1" THICK VENEER CLADDING
ONTO CONC. STRUCTURAL BASE
GRADE BEAM.

REVISION	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT -- CHANGES AS NOTED <input type="checkbox"/> AS BUILT -- NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	DATE	NAME	DATE	
SIGNATURE		SIGNATURE		
TITLE		TITLE		
WESTCHESTER COUNTY, NEW YORK				CONTRACT NUMBER
DEPARTMENT OF PUBLIC WORKS				15 - 553
AND TRANSPORTATION				SHEET NUMBER
DIVISION OF ENGINEERING				A-302
NEW BATHHOUSE FACILITY				SCALE: 1/4" = 1'-0"
CROTON POINT PARK				DATE: 6 / 18 / 21
CROTON - ON - HUDSON, NEW YORK				DPW FILE NO.
BATHHOUSE -- BUILDING SECTIONS II				2-02-A-58
				REV. NO.
				0



BASE BID SCOPE:

ROOF VENTILATION MONITOR:
WOOD FRAMED STRUCTURE, WOOD BOARD DECK & ASPHALT SHINGLES.
VENTILATION BAND WITH INSECT SCREENS.

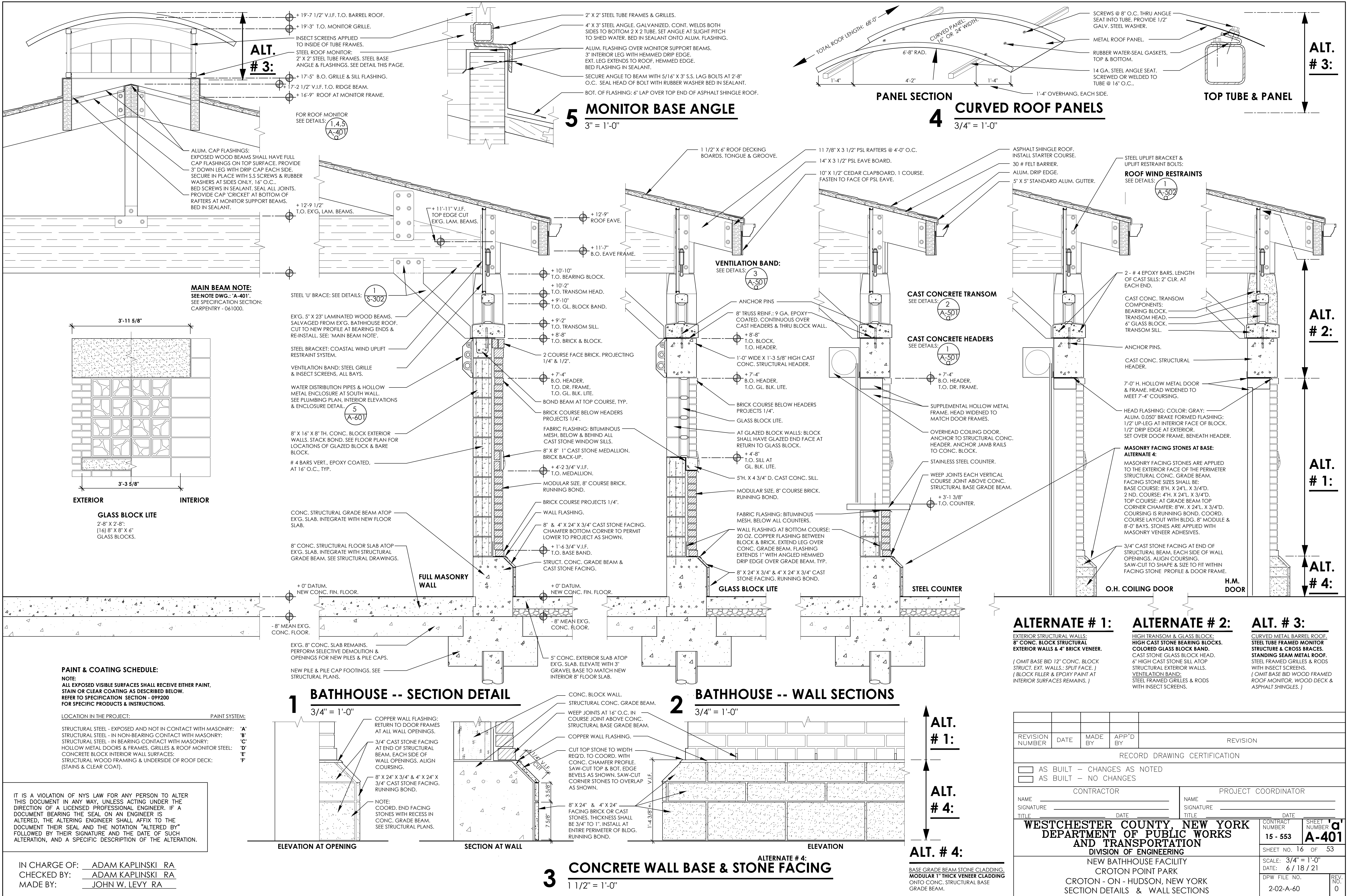
VENTILATION BAND:
STEEL PERIMETER FRAMES INSECT SCREENS.

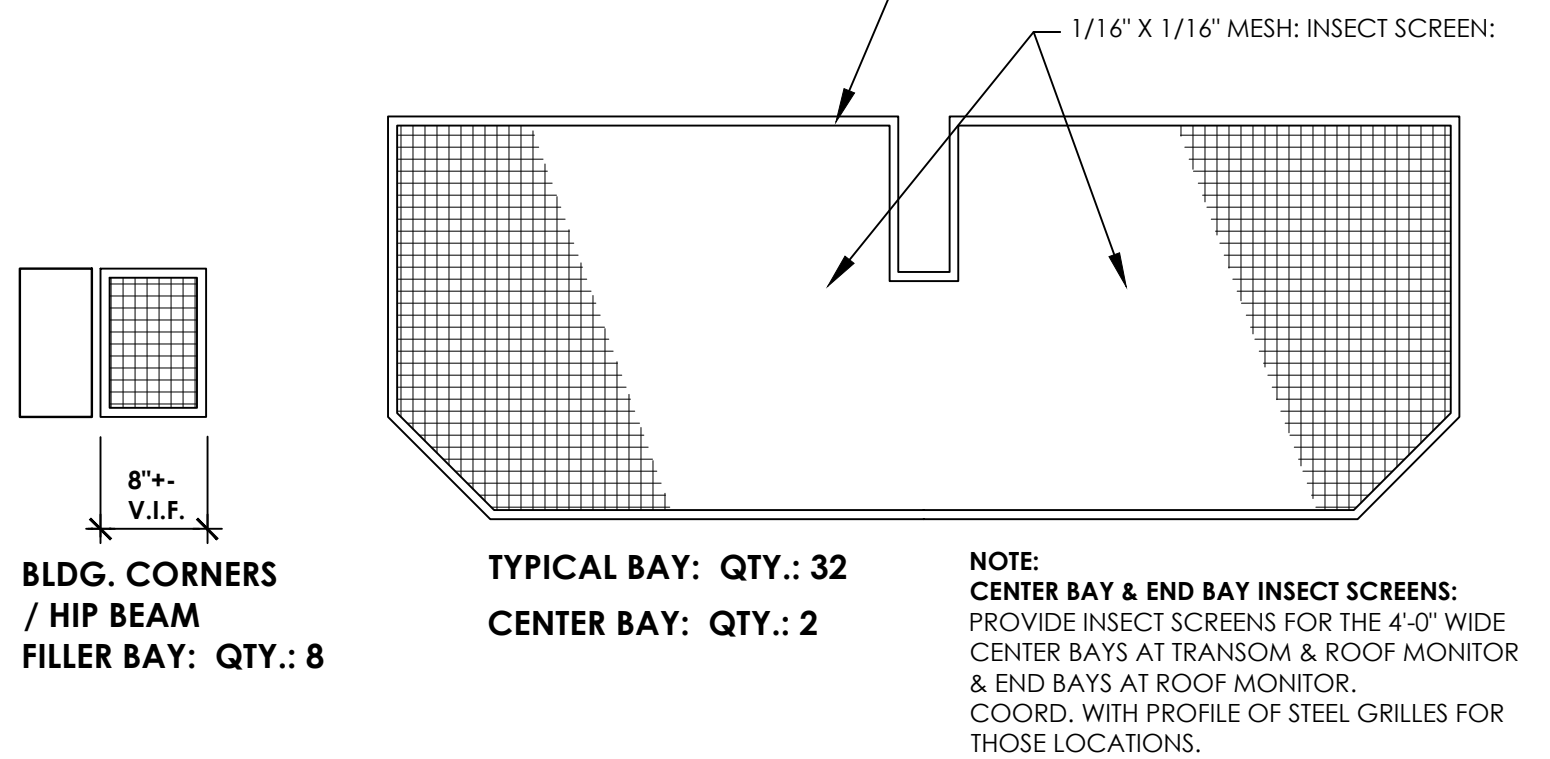
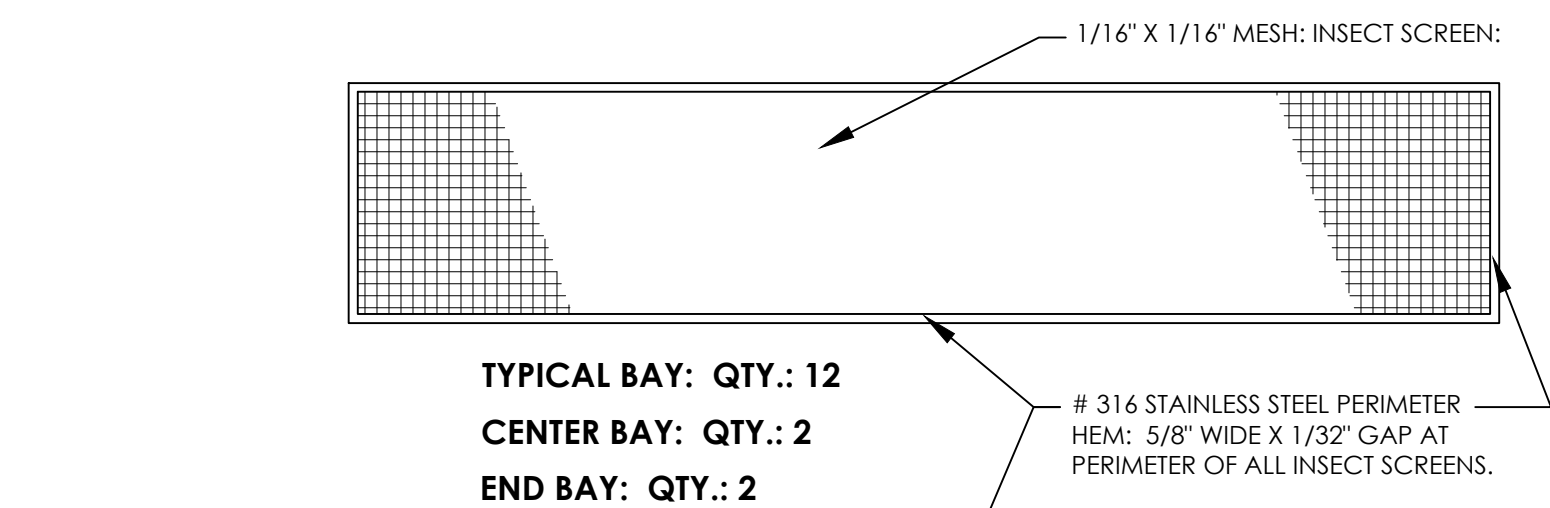
LOW TRANSOM & SILL COMPONENTS:
CAST CONC. SILL BLOCKS: 10" HIGH, AT TOP OF STRUCTURAL EXTERIOR BLOCK WALLS.

EXTERIOR STRUCTURAL WALLS:
12" CONC. BLOCK STRUCTURAL EXTERIOR WALLS: SPLIT FACE, IRREGULAR PATTERN APPEARANCE. BLOCK FILLER & EPOXY PAINT INTERIOR FINISH.

STRUCTURAL BASE GRADE BEAM:
EXPOSED BOARD FORMED CONC.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	DATE	TITLE	DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				
CONTRACT NUMBER	15 - 553	SHEET NUMBER	A-401	
SHEET NO. 15 OF 53				SCALE: 3/4" = 1'-0" DATE: 6 / 18 / 21
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK SECTION DETAILS & WALL SECTIONS				DPW FILE NO. 2-02-A-59 REV. NO. 0





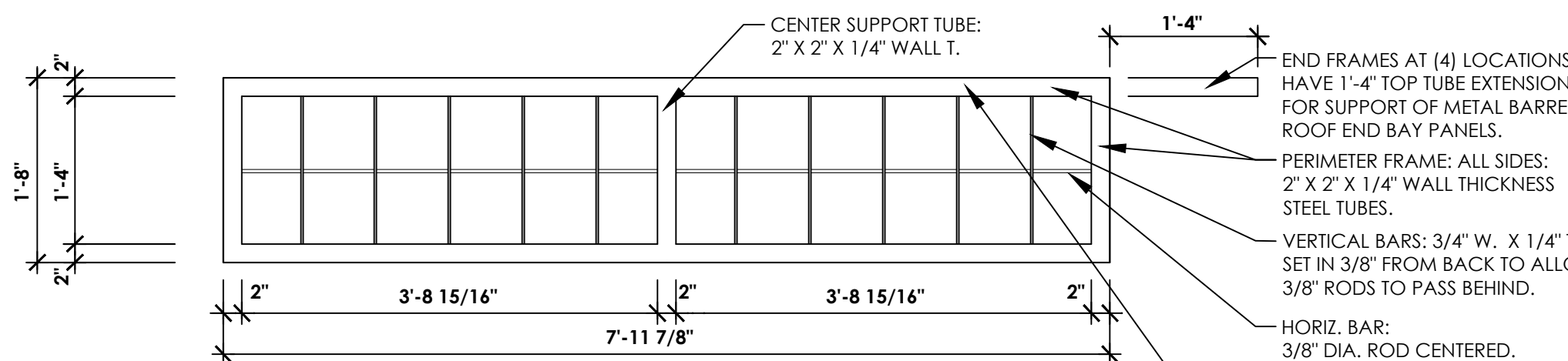
BLDG. CORNERS
/ HIP BEAM
FILLER BAY: QTY.: 8

5 INSECT SCREENS

3/4" = 1'-0"

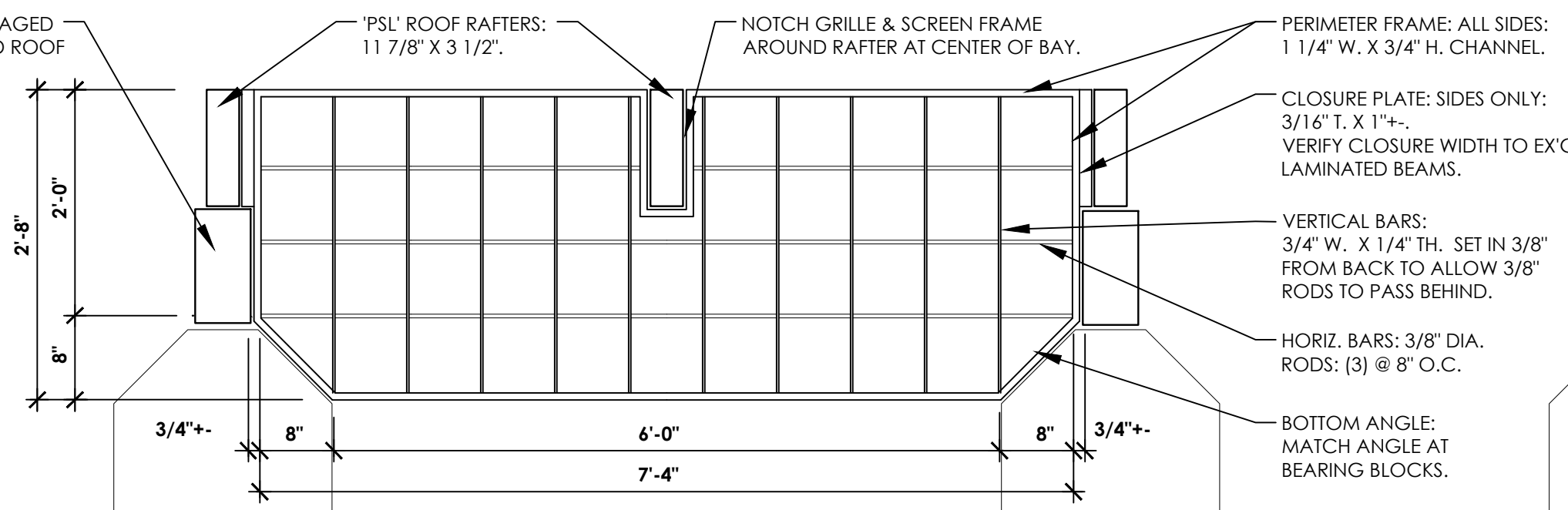
SECTION

SECTION



4 VENTILATION MONITOR: STEEL GRILLES

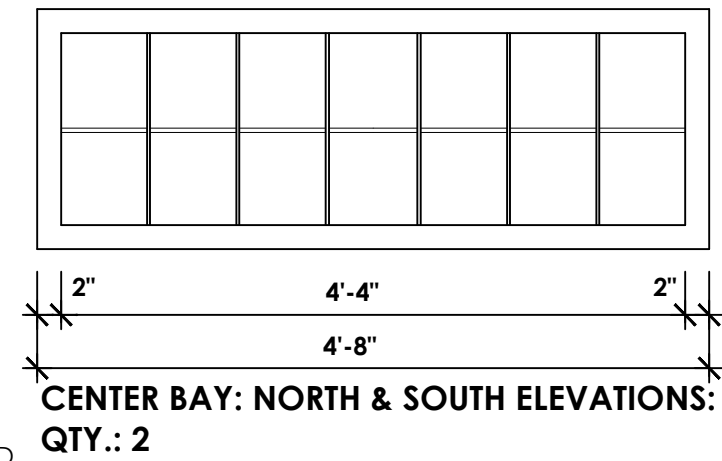
3/4" = 1'-0"



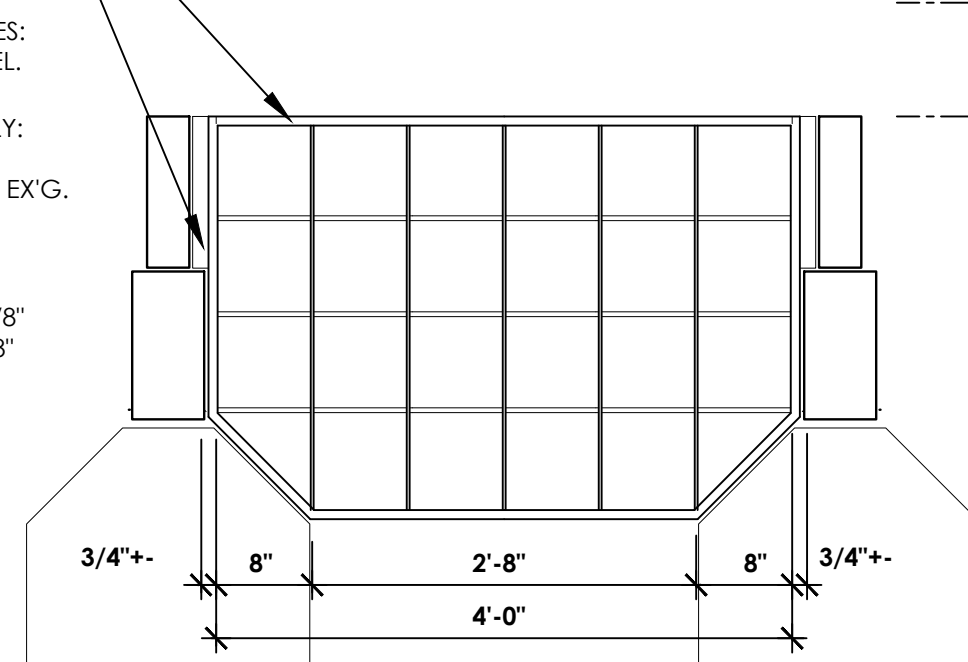
3 VENTILATION BAND: STEEL GRILLES

3/4" = 1'-0"

NOTE: INSECT SCREENS:
PROVIDE SCREEN MESH WITH HEMMED PERIMETER FOR ALL VENTILATION FRAMES. SCREW HEM OF INSECT SCREEN MESH TO STEEL FRAMES WITH TAPCON SELF TAPPING, STAINLESS STEEL SCREWS.



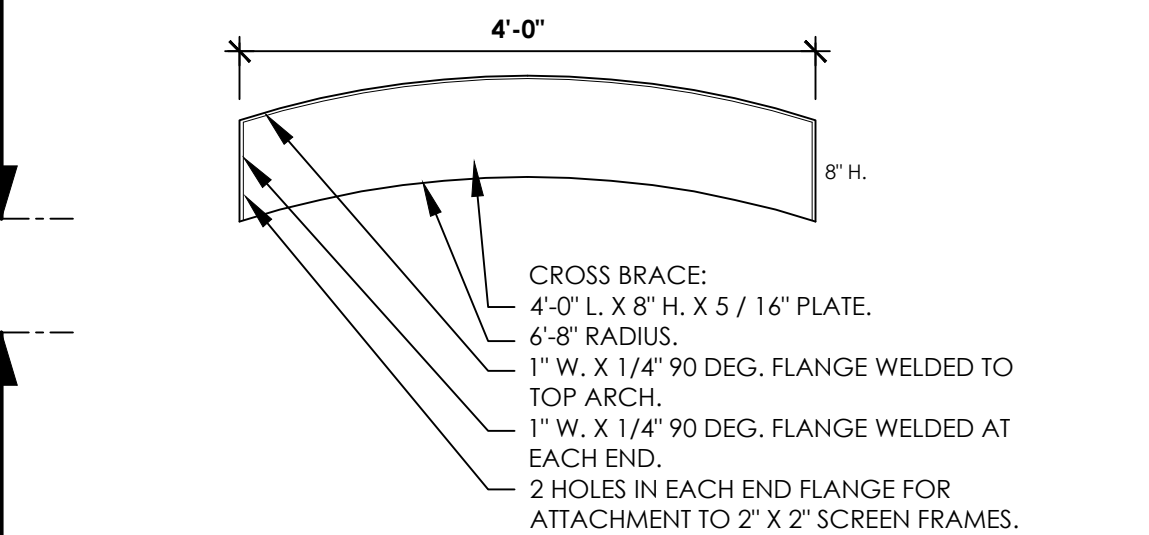
CENTER BAY: NORTH & SOUTH ELEVATIONS:
QTY.: 2



CENTER BAY: NORTH & SOUTH ELEVATIONS:
QTY.: 2

ALT. # 3:

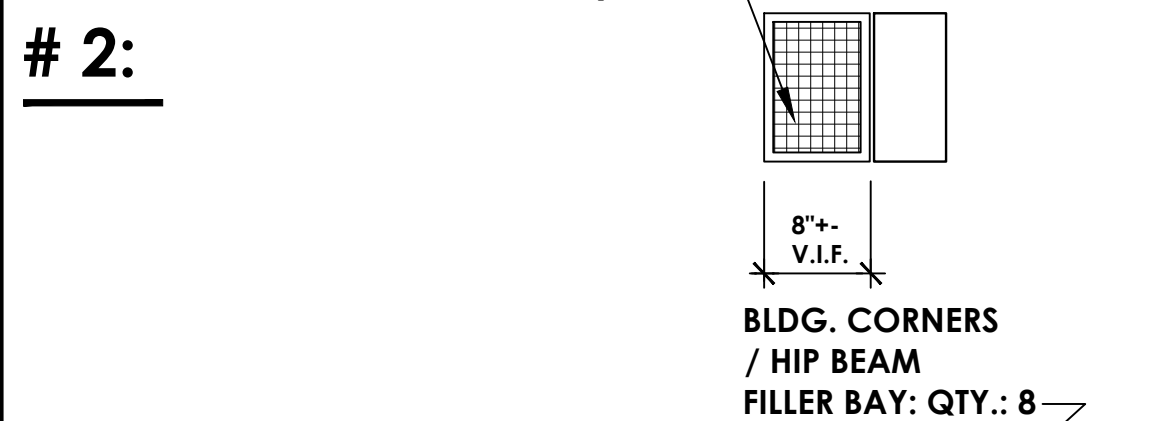
END BAY: EAST & WEST
ELEVATIONS: QTY.: 2



CROSS BRACE:
INTERMEDIATE BAYS & END BAYS:
QTY.: 8

NOTE:
INSECT SCREENS AT BLDG. CORNERS / HIP BEAM:
PROVIDE INSECT SCREENS FOR CORNERS AT HIP BEAMS AS CLOSURE TO TYPICAL BAY SCREENS. COORD. SIZE IN FIELD WITH HIP BEAM POSITION. FILLER BAY: QTY.: 8

ALT. # 2:



ALTERNATE # 2:

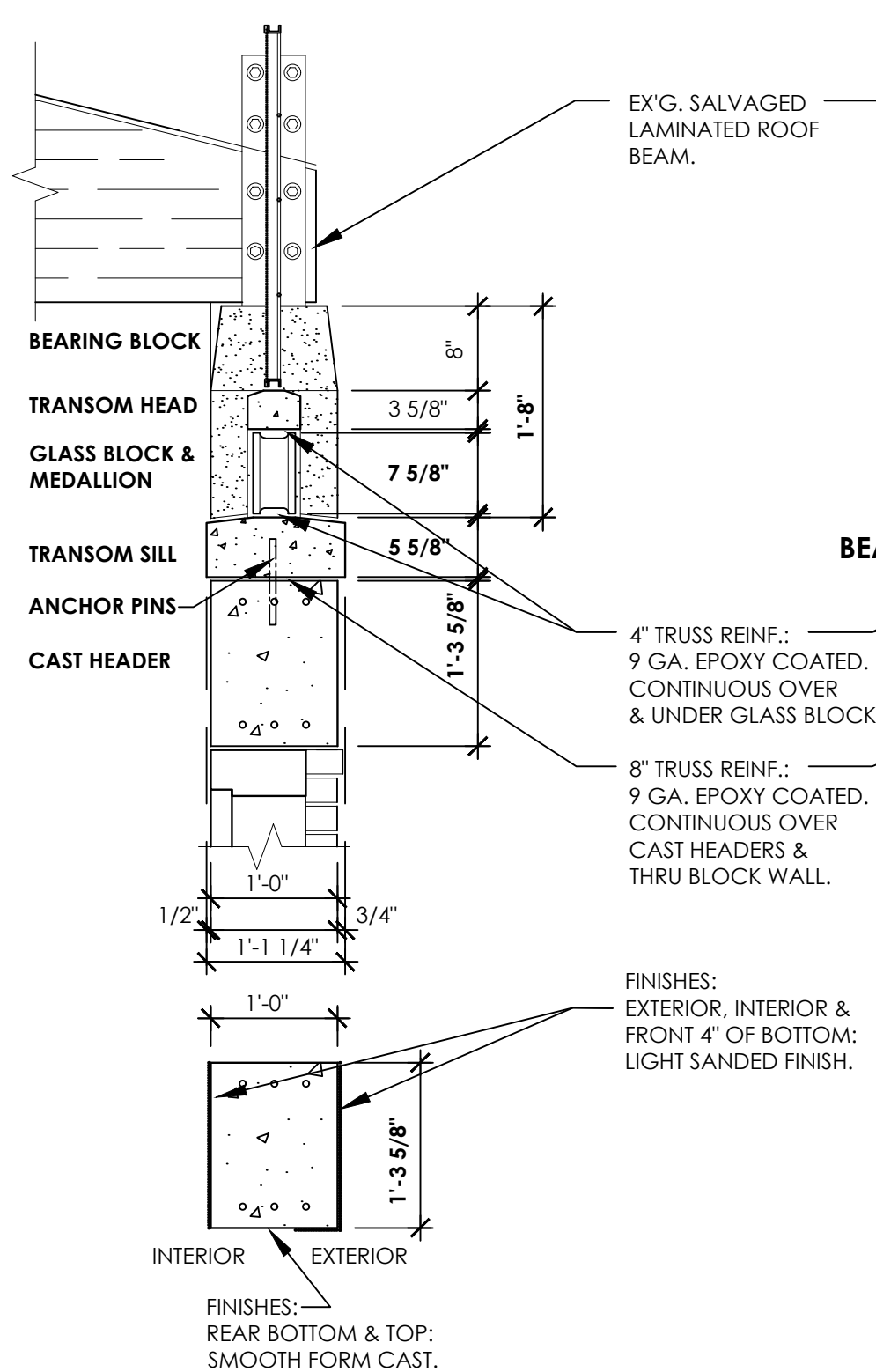
HIGH TRANSOM & GLASS BLOCK;
HIGH CAST STONE BEARING BLOCKS.
COLORED GLASS BLOCK BAND.
CAST STONE GLASS BLOCK HEAD.
6" HIGH CAST STONE SILL ATOP
STRUCTURAL EXTERIOR WALLS.

VENTILATION BAND:
STEEL FRAMED GRILLES & RODS
WITH BIRD & INSECT SCREENS.

ALT. # 3:

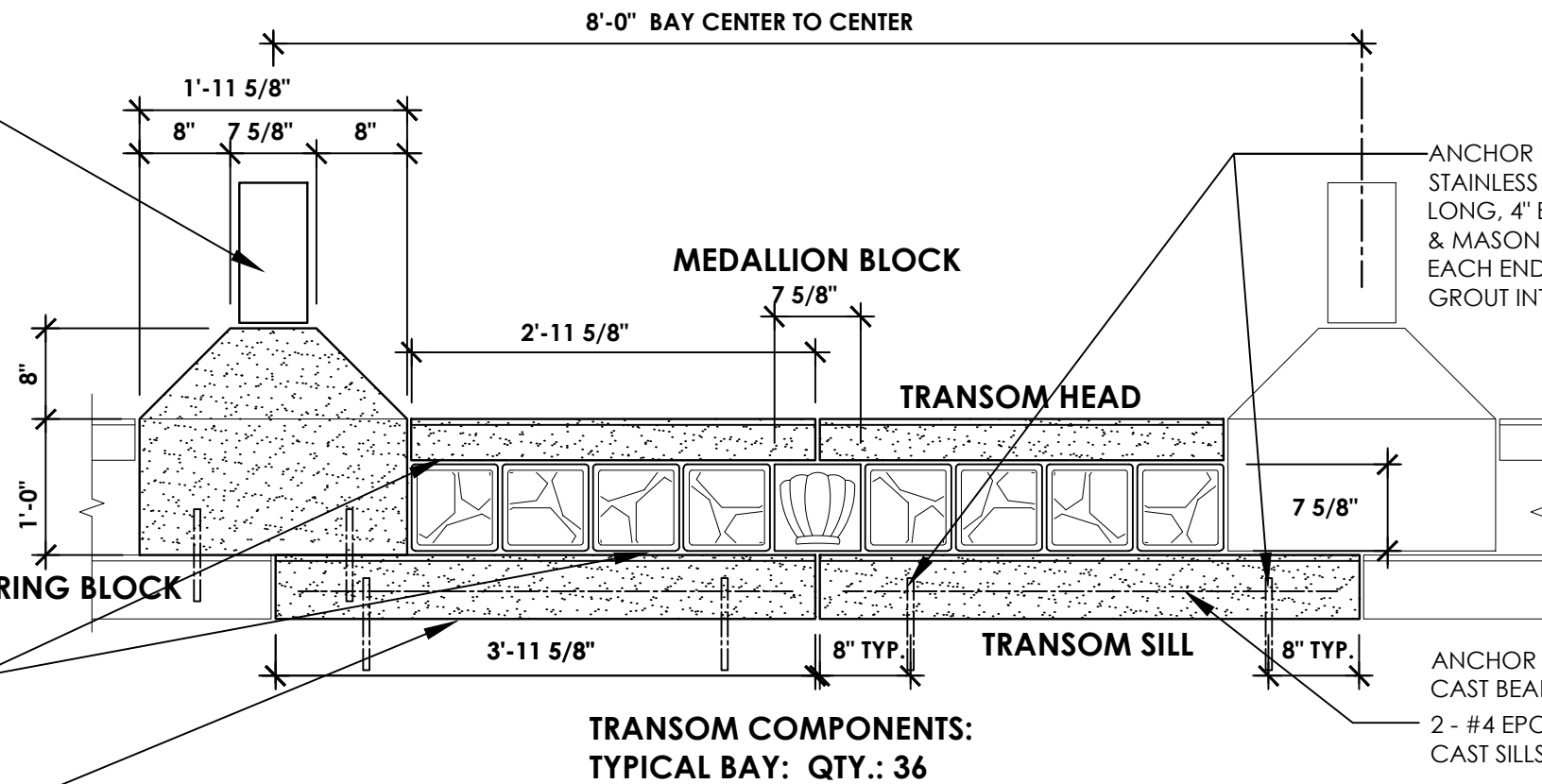
CURVED METAL BARREL ROOF.
STEEL TUBE FRAMED MONITOR
STRUCTURE & CROSS BRACES.
STANDING SEAM METAL ROOF.
STEEL FRAMED GRILLES & RODS
WITH BIRD & INSECT SCREENS.

(OMIT BASE BID WOOD FRAMED
ROOF MONITOR, WOOD DECK &
ASPHALT SHINGLES.)



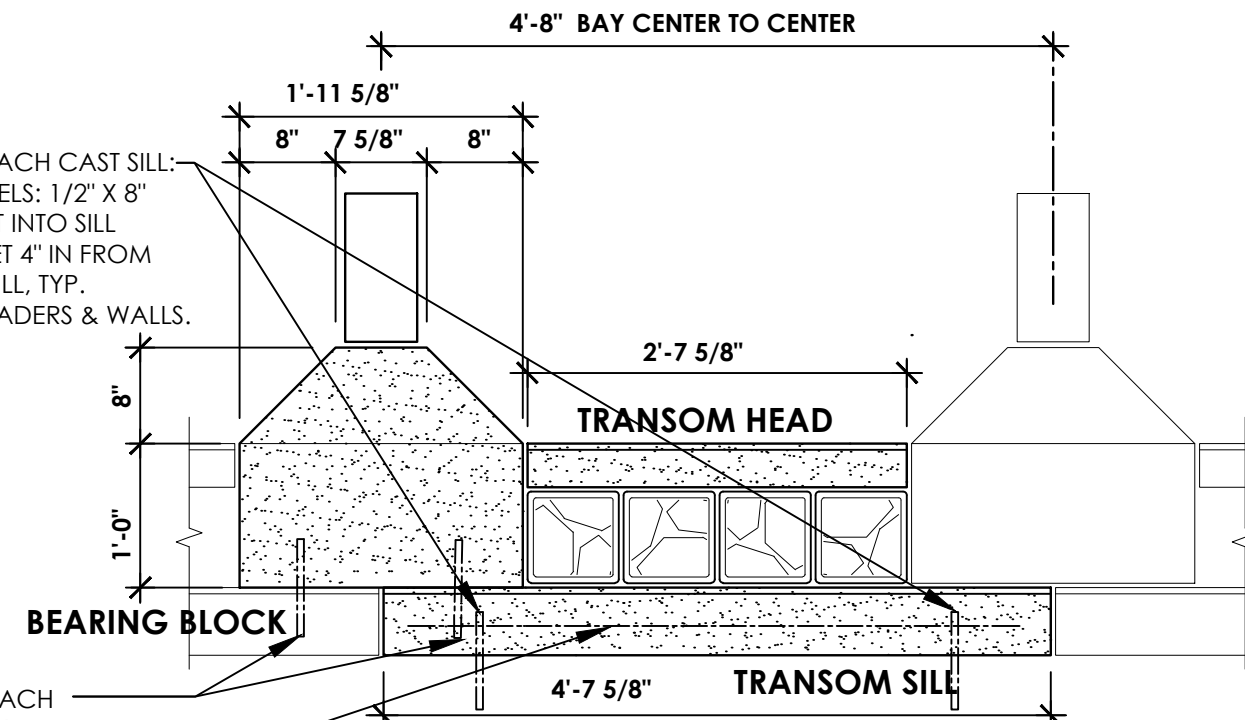
2 CAST CONCRETE TRANSOM

3/4" = 1'-0"



TRANSOM COMPONENTS:
TYPICAL BAY: QTY.: 36

PROVIDE VERTICAL HOLES CAST IN BEARING BLOCKS,
TRANSOM SILLS & HEADERS; FOR UPLIFT RESTRAINT BOLTS:
ROOF WIND RESTRAINT SYSTEM
SEE DETAILS: 1 A-502



TRANSOM COMPONENTS:
CENTER BAY: NORTH & SOUTH ELEVATIONS:
QTY.: 2

GLASS BLOCK LITE: 3'-3 5/8" SILL QTY.: 8

BASE BID NOTE:

'CAST CONCRETE HEADERS',
& 'CAST STONE
MEDALLIONS':
REMAIN IN THE PROJECT AS:
'BASE BID' ITEMS.

1 CAST CONCRETE HEADERS

3/4" = 1'-0"

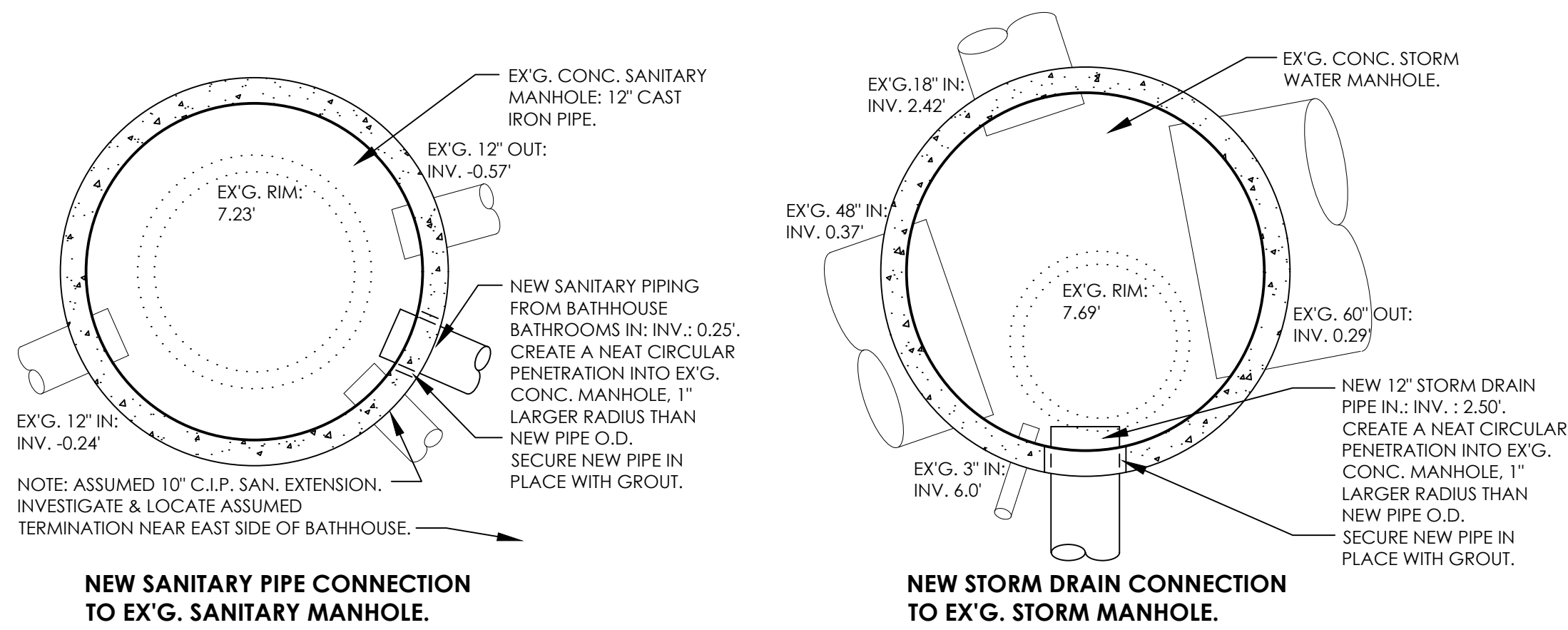
6 CAST STONE MEDALLIONS

1 1/2" = 1'-0"

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

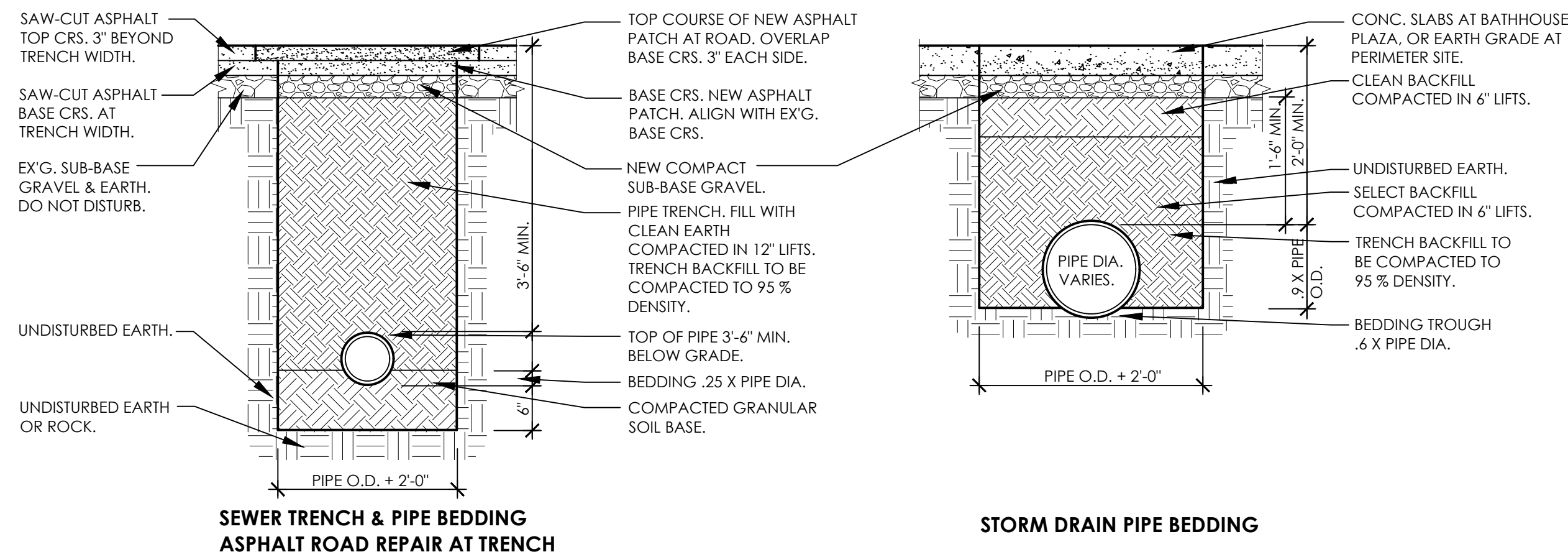
IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

REVISION	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	DATE	NAME	DATE	
SIGNATURE		SIGNATURE		
TITLE		TITLE		
WESTCHESTER COUNTY, NEW YORK				CONTRACT NUMBER
DEPARTMENT OF PUBLIC WORKS				15 - 553
DIVISION OF ENGINEERING				SHEET NO. 18 OF 53
NEW BATHHOUSE FACILITY				SCALE: 3/4" = 1'-0"
CROTON POINT PARK				DATE: 6 / 18 / 21
CROTON - ON - HUDSON, NEW YORK				DPW FILE NO.
BUILDING DETAILS I				2-02-A-62
				REV. NO. 0



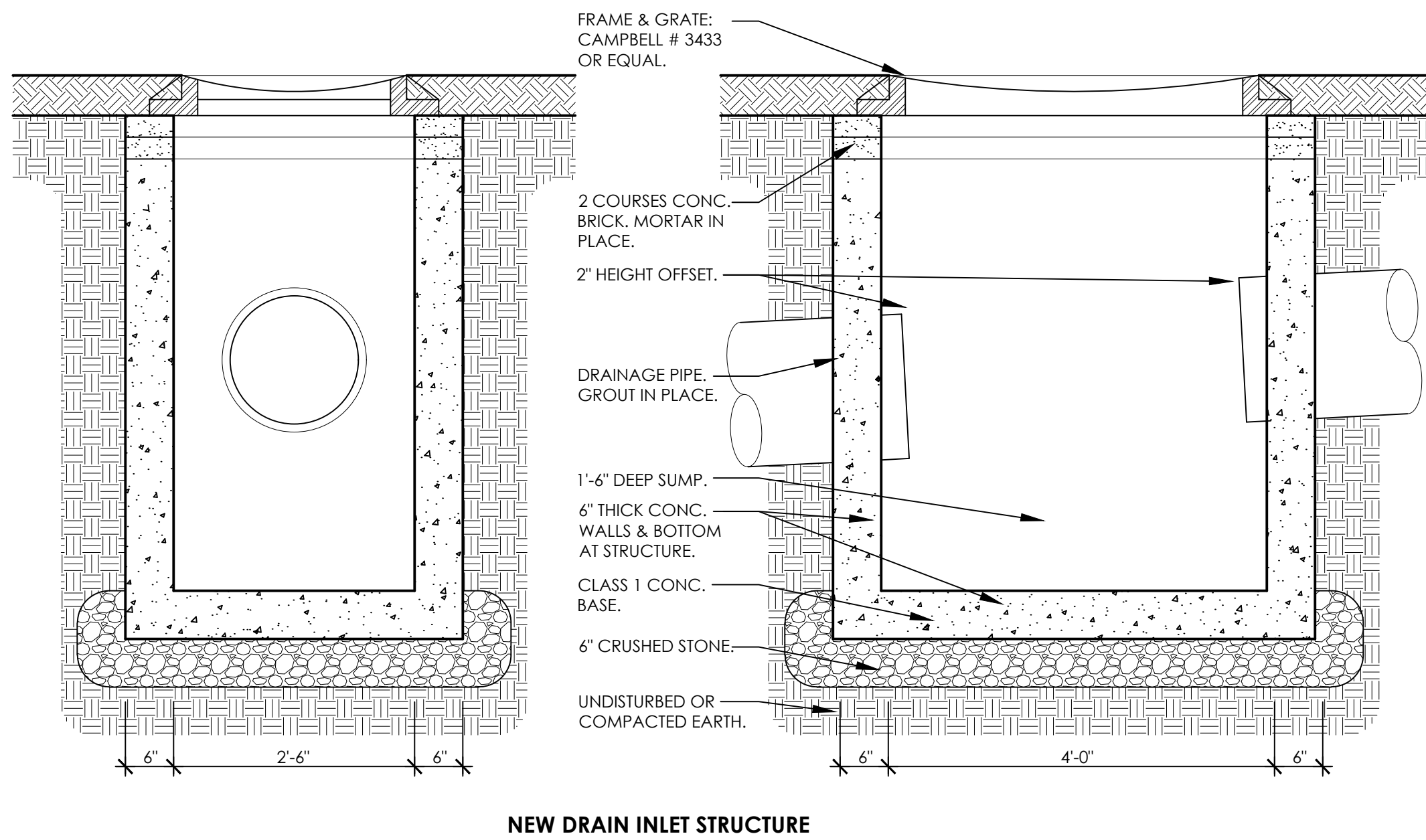
2 MANHOLE CONNECTIONS

3/4" = 1'-0"



3 TRENCH & BEDDING DETAILS

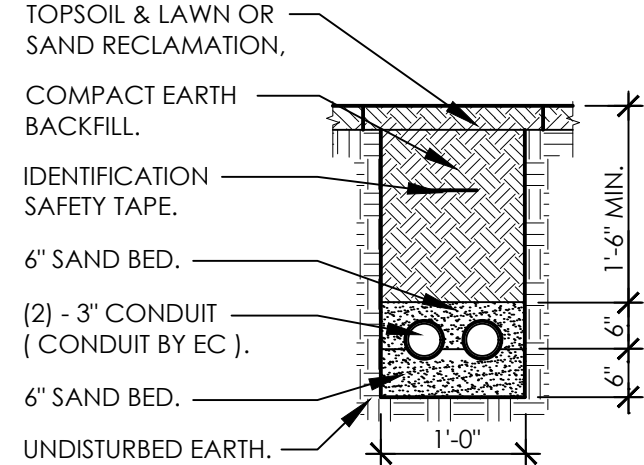
3/4" = 1'-0"



4 DRAIN INLET DETAIL

3/4" = 1'-0"

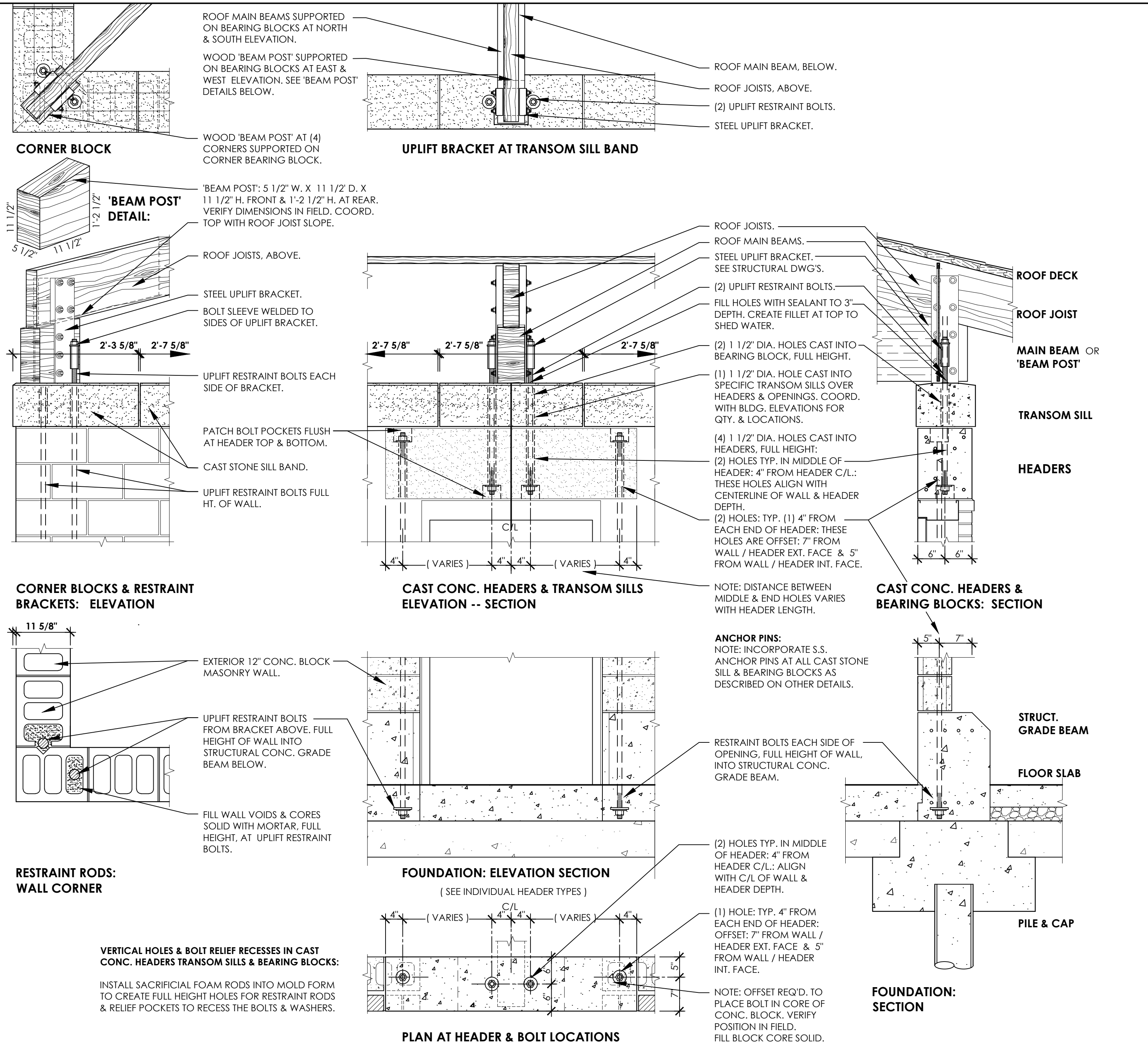
TRENCH FOR CONDUIT:
BATHHOUSE MECH. RM. TO PARK OFFICE:
APPROX. 500 L.F.: FIELD VERIFY ACTUAL DISTANCE.



TRENCH FOR (2) - 3" CONDUITS

5 TRENCH FOR CONDUIT

3/4" = 1'-0"



1 ROOF WIND RESTRAINT SYSTEM

3/4" = 1'-0"

BASE BID SCOPE:

EXTERIOR STRUCTURAL WALLS:
12" CONC. BLOCK STRUCTURAL EXTERIOR WALLS: SPLIT FACE, IRREGULAR PATTERN APPEARANCE. BLOCK FILLER & EPOXY PAINT INTERIOR FINISH.

STRUCTURAL BASE GRADE BEAM:
EXPOSED BOARD FORMED CONC.

ROOF VENTILATION MONITOR:
WOOD FRAMED STRUCTURE. WOOD BOARD DECK & ASPHALT SHINGLES. VENTILATION BAND WITH INSECT SCREENS.

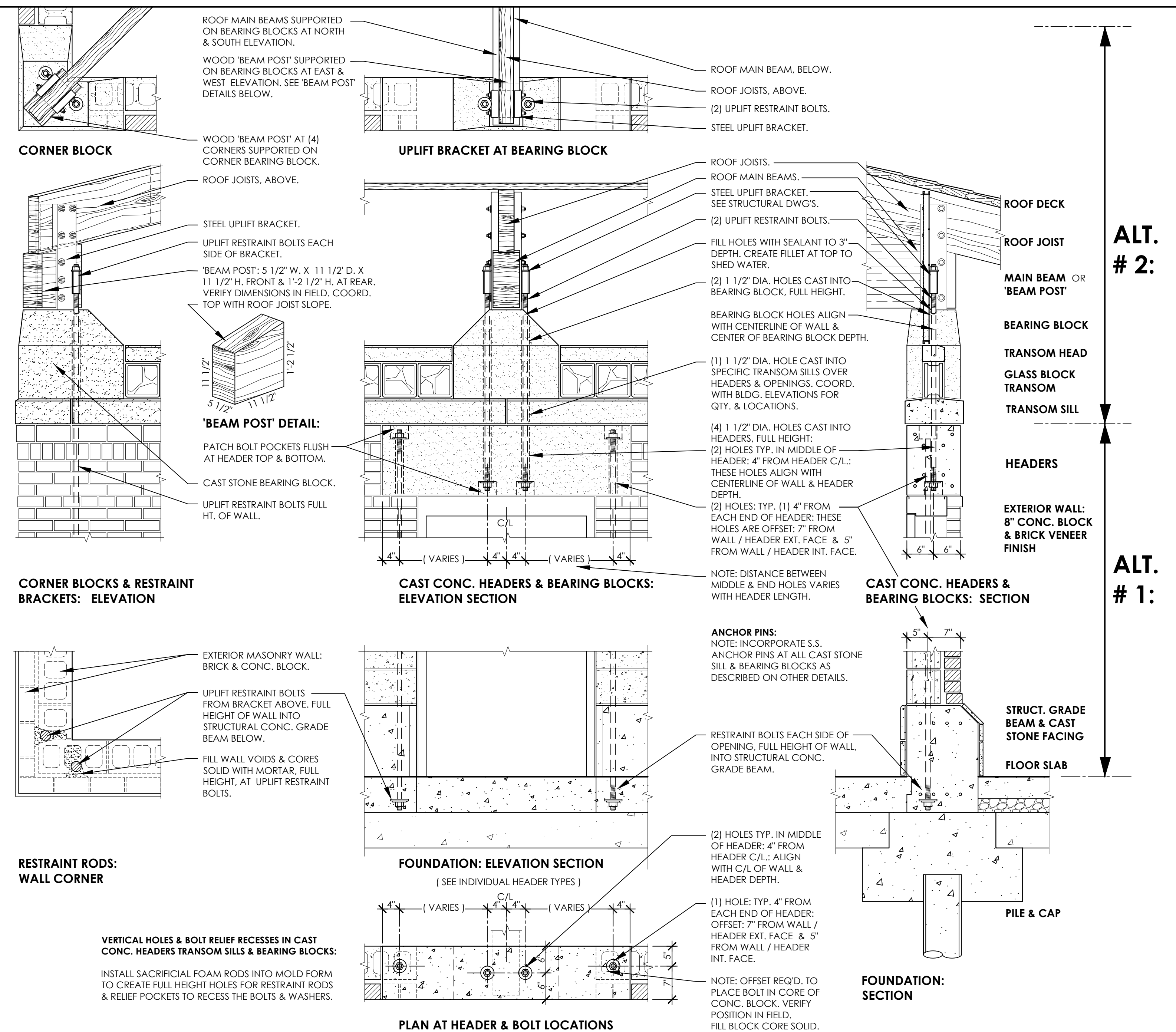
VENTILATION BAND:
STEEL PERIMETER FRAMES INSECT SCREENS.

LOW TRANSOM & SILL COMPONENTS:
CAST CONC. SILL BLOCKS: 10" HIGH, AT TOP OF STRUCTURAL EXTERIOR BLOCK WALLS.

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	TITLE	TITLE	TITLE	TITLE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BUILDING DETAILS II				
CONTRACT NUMBER	15 - 553	SHEET NUMBER	A-502	
SHEET NO. 19 OF 53				
SCALE: 3/4" = 1'-0"				
DATE: 6 / 16 / 21				
DPW FILE NO.				REV. NO.
2-02-A-63				0



4 ROOF WIND RESTRAINT SYSTEM

$$\underline{3/4'' = 1'-0''}$$

ALTERNATE # 1:

**EXTERIOR STRUCTURAL WALLS:
8" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS & 4" BRICK VENEER.**

(OMIT BASE BID 12" CONC. BLOCK
STRUCT. EXT. WALLS.: SPLIT FACE.)
(BLOCK FILLER & EPOXY PAINT AT
INTERIOR SURFACES REMAINS.)

ALTERNATE # 2:

**HIGH TRANSOM & GLASS BLOCK;
HIGH CAST STONE BEARING BLOCKS.
COLORED GLASS BLOCK BAND.
CAST STONE GLASS BLOCK HEAD.
6" HIGH CAST STONE SILL ATOP
STRUCTURAL EXTERIOR WALLS.
VENTILATION BAND;
STEEL FRAMED GRILLES & RODS
WITH INSECT SCREENS.**

BASE BID NOTE:

'MANHOLE CONNECTIONS',
'TRENCH & BEDDING DETAILS',
'DRAIN INLET DETAIL' &
'TRENCH FOR CONDUIT':
REMAIN IN THE PROJECT AS:
'**BASE BID**' ITEMS.

2 MANHOLE CONNECTIONS

$$\underline{3/4'' = 1'-0''}$$

2 TRENCH & BEDDING DETAILS

$3/4'' = 1'-0''$

4 DRAIN INLET DETAIL

$3/4'' = 1'-0''$

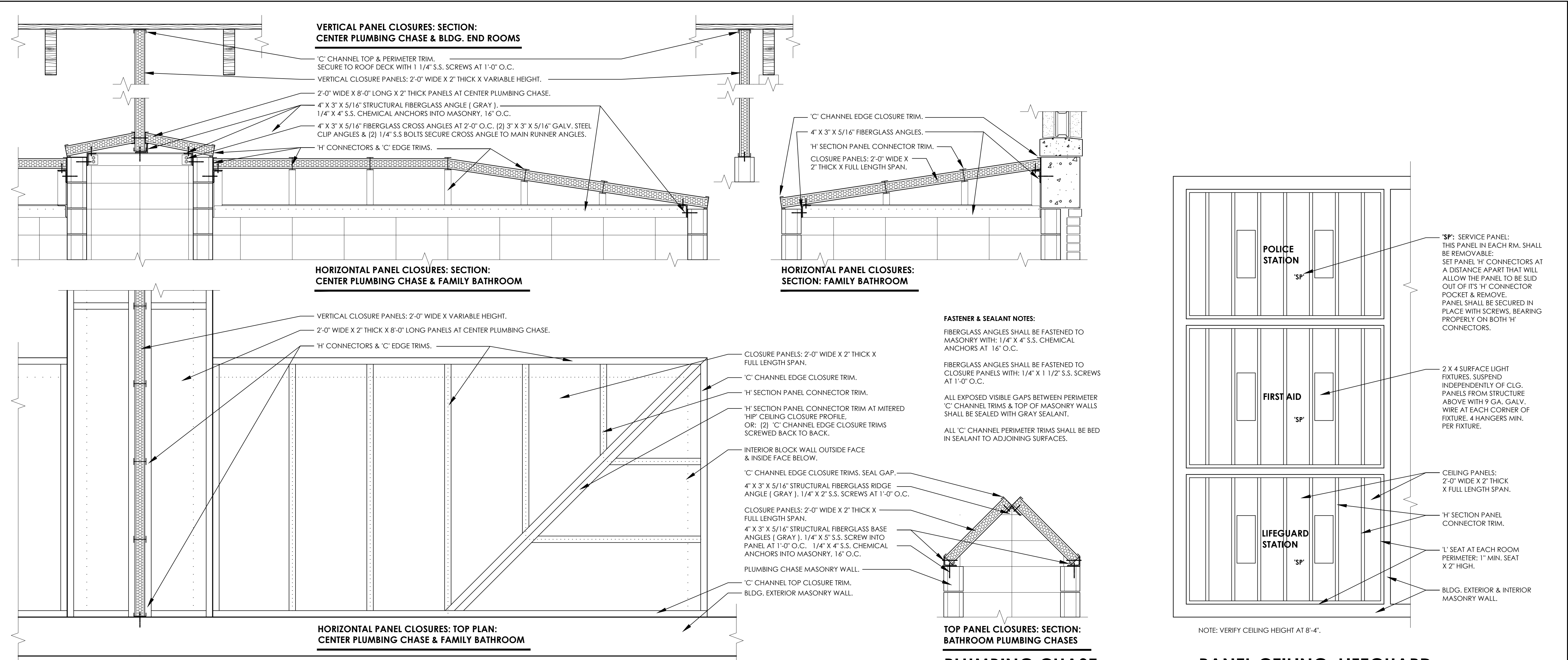
TRENCH FOR CONDUIT

$3/4'' = 1'-0''$

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
 CHECKED BY: ADAM KAPLINSKI RA
 MADE BY: JOHN W. LEVY RA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT -- CHANGES AS NOTED <input type="checkbox"/> AS BUILT -- NO CHANGES				
NAME _____ SIGNATURE _____ TITLE _____ DATE _____				PROJECT COORDINATOR NAME _____ SIGNATURE _____ TITLE _____ DATE _____
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15 - 553
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BUILDING DETAILS II				SHEET NUMBER A-502 SHEET NO. 20 OF 53 SCALE: 3/4" = 1'-0" DATE: 6 / 18 / 21 DPW FILE NO. 2-02-A-64
				REV. NO. 0



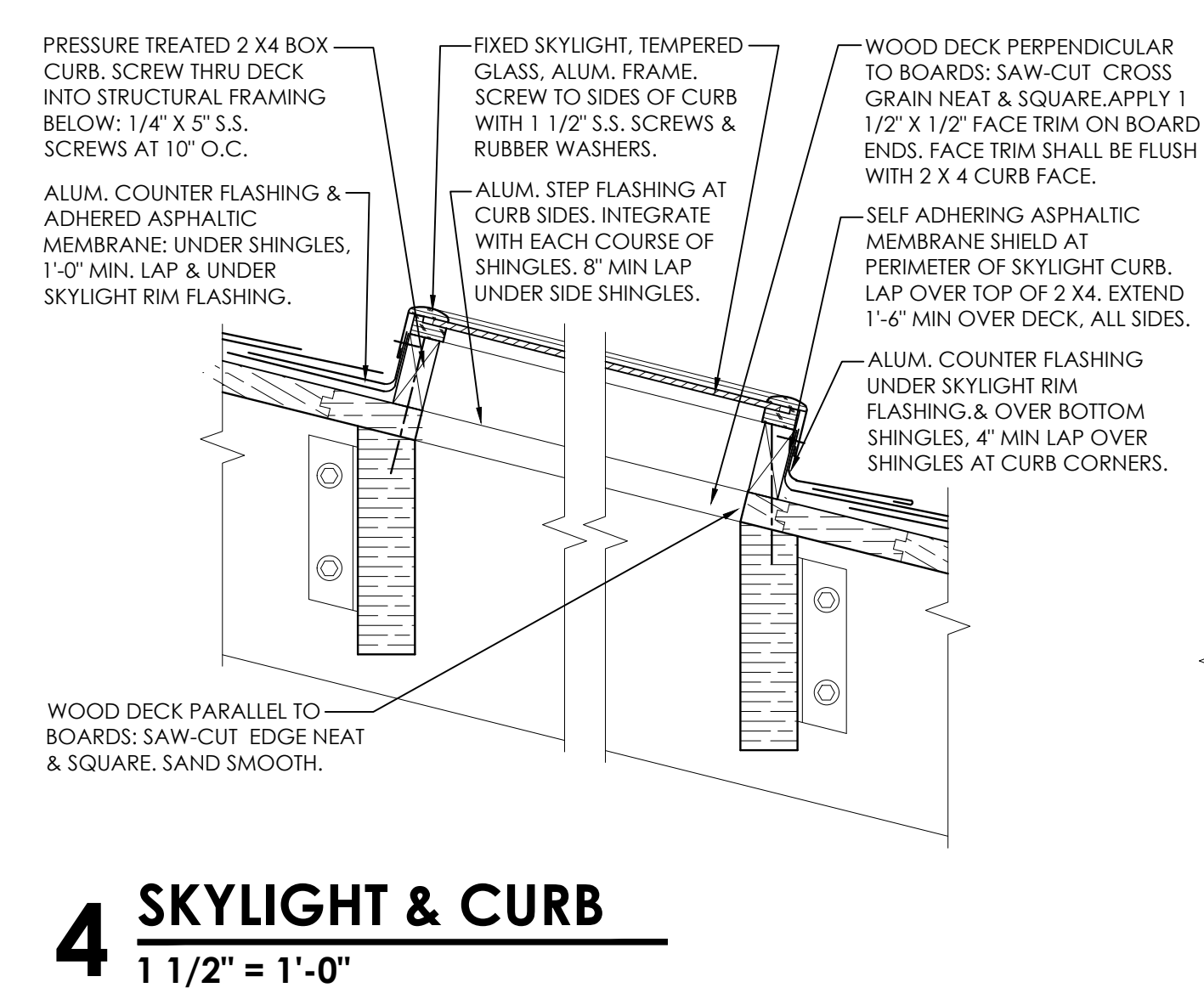
2 PANEL CEILING: FAMILY BATHROOMS

1/4" = 1'-0"

PLUMBING CHASE CLOSURE PANELS

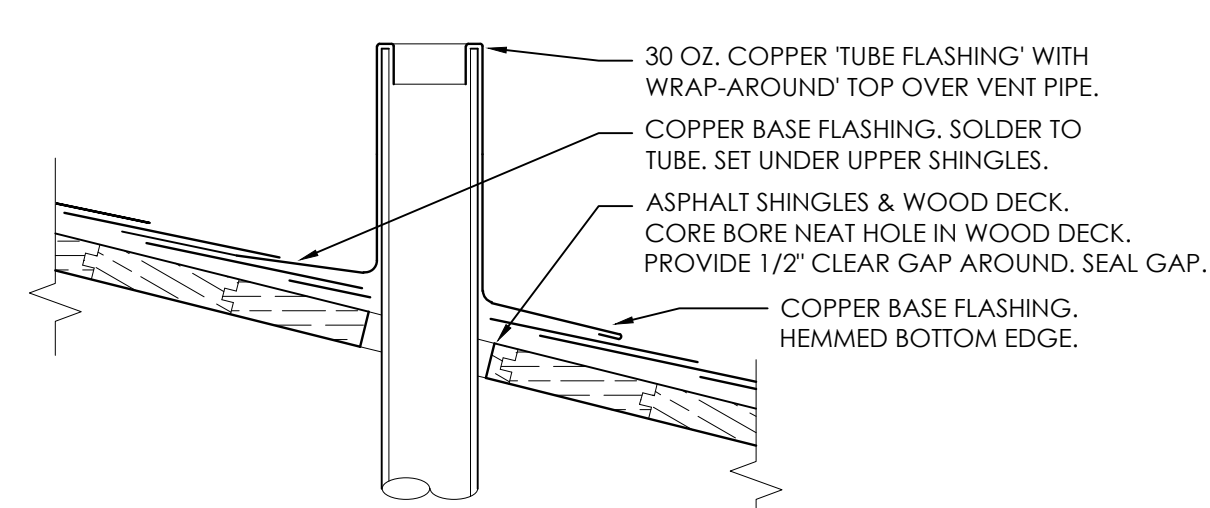
1 PANEL CEILING: LIFEGUARD, FIRST AID ROOM & POLICE STATION

1/4" = 1'-0"



4 SKYLIGHT & CURB

1 1/2" = 1'-0"



3 VENT FLASHING

1 1/2" = 1'-0"

BASE BID SCOPE:

EXTERIOR STRUCTURAL WALLS:
12" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS.: SPLIT FACE,
IRREGULAR PATTERN APPEARANCE.
BLOCK FILLER & EPOXY PAINT INTERIOR FINISH.

ROOF VENTILATION MONITOR:
WOOD FRAMED STRUCTURE, WOOD BOARD
DECK & ASPHALT SHINGLES.
VENTILATION BAND WITH INSECT SCREENS.

VENTILATION BAND:
STEEL PERIMETER FRAMES INSECT SCREENS.

LOW TRANSOM & SILL COMPONENTS:
CAST CONC. SILL BLOCKS: 10" HIGH, AT TOP
OF STRUCTURAL EXTERIOR BLOCK WALLS.

STRUCTURAL BASE GRADE BEAM:
EXPOSED BOARD FORMED CONC.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT — CHANGES AS NOTED <input type="checkbox"/> AS BUILT — NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME SIGNATURE TITLE	DATE		NAME SIGNATURE TITLE	DATE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING			CONTRACT NUMBER 15 - 553 SHEET NO. 21 OF 53	
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK BUILDING DETAILS III			SCALE: 3/4" = 1'-0" DATE: 6 / 18 / 21 DPW FILE NO. 2-02-A-65 REV. NO. 0	

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

<u>HOLLOW METAL DOORS, FRAMES & PANELS</u>		<u>HARDWARE ITEMS:</u>
NOTE: VERIFY ALL FRAME DIMENSIONS IN FIELD PRIOR TO FABRICATION.		H1 BUTT HINGES: 1 1/2" PAIR, BALL BEARING
EGRESS NOTE:		LE1 BORED LOCKSET, ENTRANCE FUNCTIONAL
ALL DOOR HARDWARE SHALL PROVIDE FREE ACCESS IN DIRECTION OF EGRESS ALWAYS.		D1 DEADBOLT, WITH INTERIOR EGRESS LE
HARDWARE: TYPICAL SPEC:		P1 PUSH PLATE, PULL BAR.
HEAVY DUTY SERIES, RE-CORE CYLINDERS, COORD. WITH OWNER MASTER KEY SYSTEM.		CL1 CLOSER.
		FS1 FLOOR STOP.
		S1 SADDLE.
		F81 FLUSH BOLTS.
		MS1 MORTISE LOCKING CYLINDER & SADDLE

HEAD FLASHING: COLOR: GRAY;
 ALUM. 0.050" BRAKE FORMED FLASHING:
 1/2" UP-LEG AT INTERIOR FACE OF BLOCK.
 1/2" DRIP EDGE AT EXTERIOR.
 SET OVER DOOR FRAME, BENEATH HEADER.

12" CONC. BLOCK.
 1'-0" CAST CONC. HEADER.
 FILL JAMB BLOCK SOLID,
 FULL HEIGHT.
 5/16" X 5" GALV. ANCHOR.
 PUNCH & DIMPLE.
 FRAME WITH EXTENDED
 LEG TO OVERLAP BRICK
 JOINT TO BLOCK.
 FRAME WITH EXTENDED
 3 5/8" HEAD FACE TO
 MEET CONC. BLOCK &
 HEADER COURSE.
 SEAL PERIMETER.
 3'-4" MASONRY OPENING
 TO CENTERLINE OF JOINT.

Dimensions:
 7 1/16"
 9"
 1 15/16"
 3 5/8"
 7'-0" DOOR
 5/8"

TYPE 'A1'
HOLLOW METAL: EXTERIOR IN-SWING
DOORS #: 1, 2, 3, 4 & 5

TYPE 'A1, A2 & A3' HEAD
(IN-SWING SHOWN.
OUT-SWING SIMILAR)

H1	BUT HINGES: 1 1/2 PAIR, BALL BEARING.
LE1	BORED LOCKSET, ENTRANCE FUNCTION.
D1	DEADBOLT, WITH INTERIOR EGRESS LEVER.
P1	PUSH PLATE, PULL BAR.
CL1	CLOSER.
FS1	FLOOR STOP.
S1	SADDLE.
FB1	FLUSH BOLTS.
WS1	WEATHERSTRIPPING: JAMBS & SADDLE.
CGH	CONTINUOUS GEARED HINGE.
A1	ASTRAGAL.

OVERHEAD COILING DOORS & SUPPLEMENTAL FRAMES



CHASE

6" CONC. BLOCK.
SEAL PERIMETER, TYP.

FRAME WITH EXTENDED LEG.

5/16" X 5" GALV. ANCHOR, PUNCH & DIMPLE.

FILL JAMB BLOCK SOLID, FULL HEIGHT.

NOTE:
VERIFY ALL FRAME DIMENSIONS AND COORD. WITH MASONRY OPENINGS & DOOR SIZES.

FRAME HEAD SIMILAR. FRAME WITH EXTENDED 3/8" HEAD FACE TO MEET CONC. BLOCK & HEADER COURSE.

INTERIOR

OVERHEAD COILING DOOR: DOOR DIMENSION IN SCHEDULE INDICATES: GUIDE RAIL O.D. ALIGNS WITH MASONRY OPENING; FIELD VERIFY O.H. DOOR DIMENSIONS.

6" CONC. BLOCK.
SEAL PERIMETER.
FILL JAMB BLOCK SOLID, FULL HEIGHT.
ALUM. ANGLE JAMBS OR FULL FRAME WITH HEAD: 2 1/2" X 1 1/4" X 1 1/4" THICK.
HOLLOW METAL ACCESS PANEL: 1 3/4" OR 1 1/4" THICK.
3/8" NYLON SHIMS.
1/4" X 4" GALV. ANCHOR, COUNTERSINK HEAD.
CONT. GEARED HINGE.

ACCESS PANEL WIDTH, V.I. CLEAR BETWEEN ANGLES.
BLOCK JOINT CENTERLINE.

EXTERIOR

NOTE:
FRAMES AT OVERHEAD COILING DOORS ARE SIMPLE "BOX" FRAMES WITH CHILL HARDWARE PER DPFP

TYPE 'AS' FOR HINGE

HOLLOW METAL: O.H. DOOR OPENING FRAME
DOORS #: 01, 02, 03, 04, 05 & 06

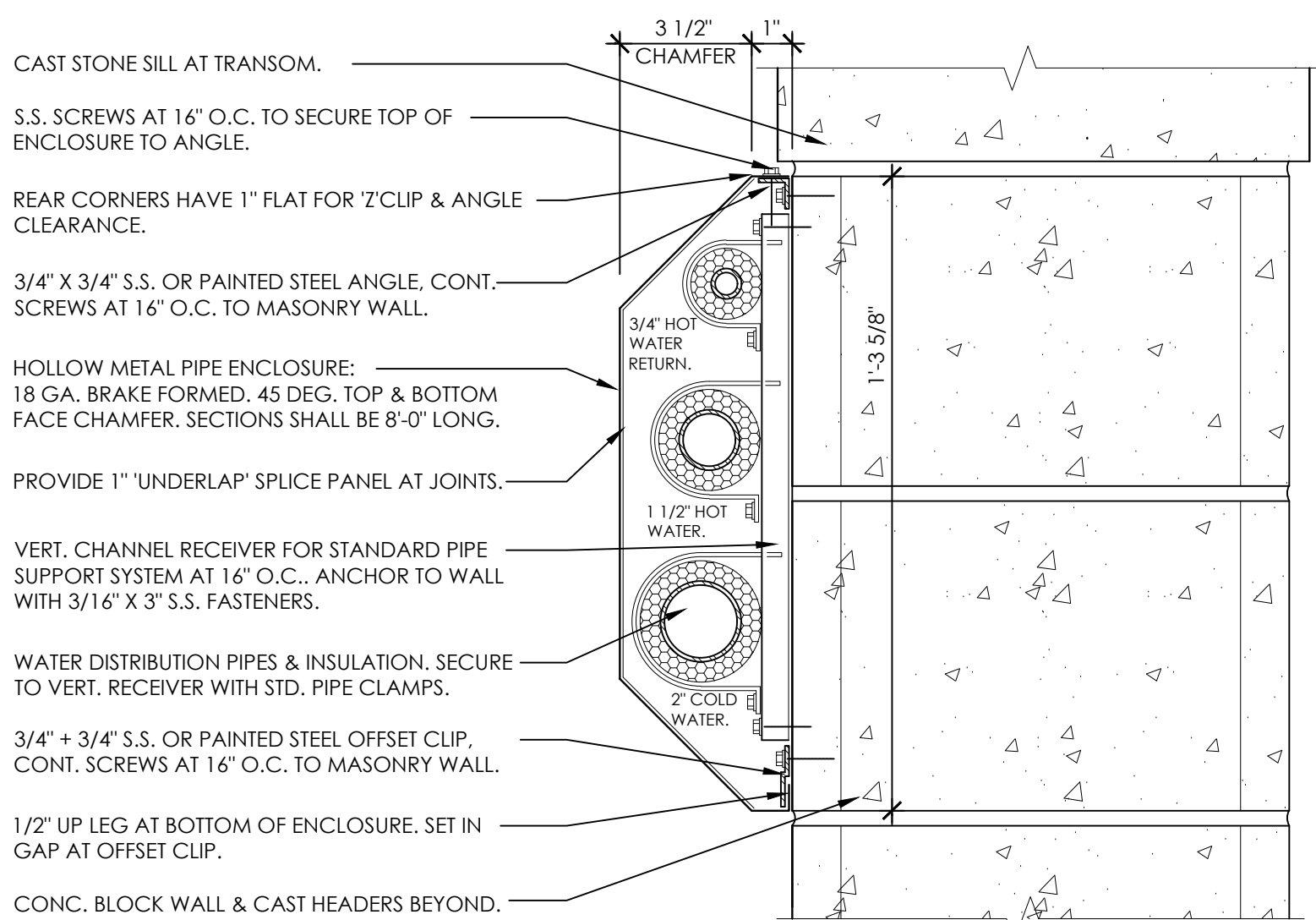
TYPE 'B1' & 'B2'
ALUM. ANGLE:
'B1': JAMBS ONLY, NO HEAD: DOORS #: 10 & 11
'B2': JAMBS & HEAD: DOORS #: 12 & 13

EN OFFSET
 LD IN PLACE.
 OR # 'C-1'.
 O SUPPORT
 O H. COILING
 VERLAY COILING
 LS. ANGLES SHALL
 FORMED, WELD
 FULL HEIGHT OF
 LE.
 RT WINDOW
 NG CURTAIN.
 T JAMB ANGLES,
 O ANGLE. SEAL.
 T JAMBS ALIGN
 NG.
 WINDOW: FIXED
 SASH BELOW.
 NSIDE GLAZED.
 OW SILL TO S.S.
 TIAL SUPPORT
 LL BE S.S. BED SILL
 COUNTER.
 TION OF
 H.M. FRAME,
 AME TYPE: 'AS-1'.

HEAD FLASHING: COLOR: GRAY;
 ALUM. 0.050" BRAKE FORMED FLASHING;
 1/2" UP-LEG AT INTERIOR FACE OF BLOCK.
 1/2" DRIP EDGE AT EXTERIOR.
 SET OVER DOOR FRAME, BENEATH HEADER.

INTERIOR
 EXTERIOR

PAINTING NOTE:
THE FOLLOWING ITEMS SHALL RECEIVE 2 COATS PRIMER &
2 COATS FINISH PAINT PER SPECIFICATIONS:
OVERHEAD COILING DOOR COMPONENTS INCLUDING:
CURTAIN, GUIDE RAILS, HOOD & RELATED ATTACHMENTS,
STEEL SASH WINDOW.
OFFSET SUPPORT ANGLES, HEAD ANGLE & RELATED GUSSETS.



IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA

EXTERIOR STRUCTURAL WALLS:
12" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS.: SPLIT FACE,
IRREGULAR PATTERN APPEARANCE.
BLOCK FILLER & EPOXY PAINT INTERIOR FINISH.

ROOF VENTILATION MONITOR:
WOOD FRAMED STRUCTURE, WOOD BOARD
DECK & ASPHALT SHINGLES.
VENTILATION BAND WITH INSECT SCREENS.

VENTILATION BAND:
STEEL PERIMETER FRAMES INSECT SCREENS.

LOW TRANSOM & SILL COMPONENTS:
CAST CONC. SILL BLOCKS: 10" HIGH, AT TOP
OF STRUCTURAL EXTERIOR BLOCK WALLS.

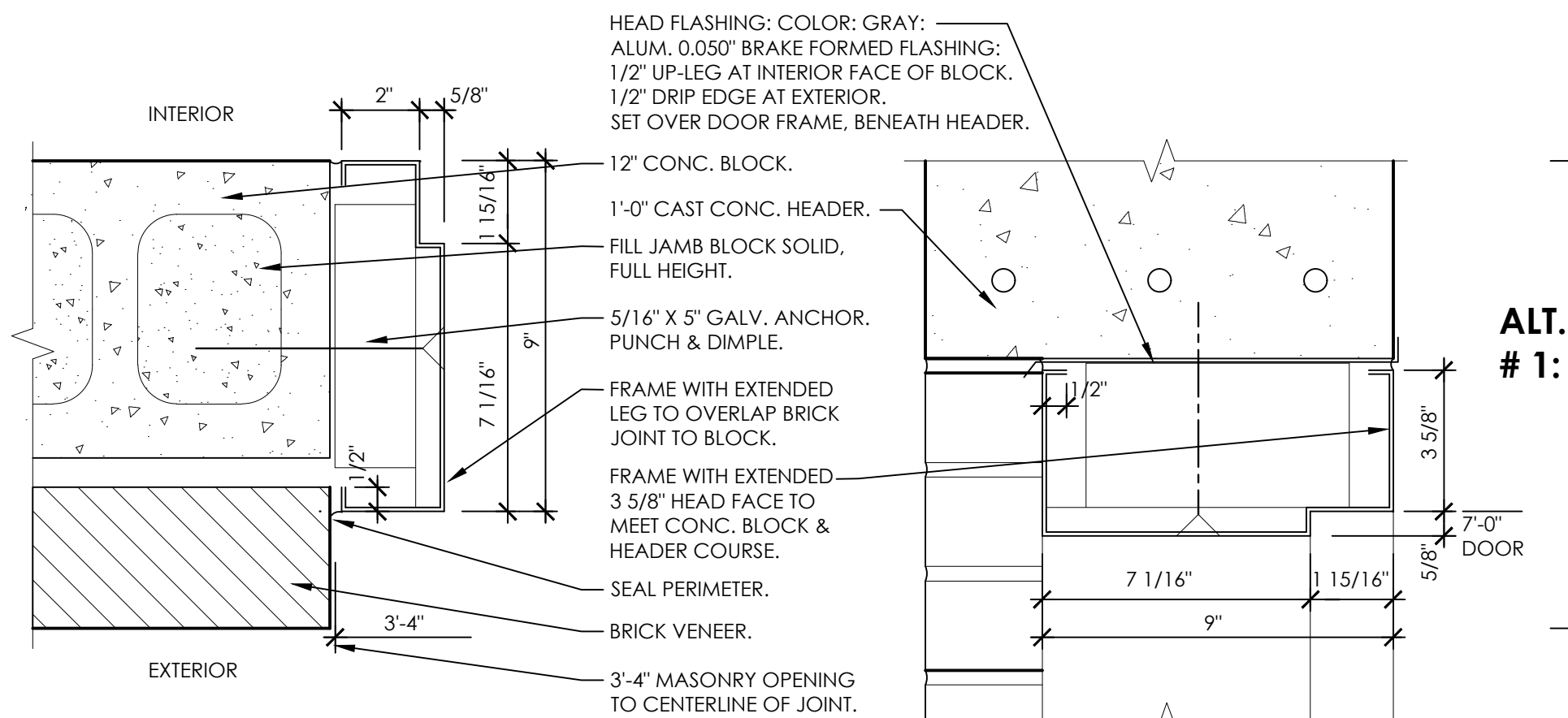
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<div><input type="checkbox"/> AS BUILT — CHANGES AS NOTED</div> <div><input type="checkbox"/> AS BUILT — NO CHANGES</div>					
CONTRACTOR			PROJECT COORDINATOR		
NAME _____			NAME _____		
SIGNATURE _____			SIGNATURE _____		
TITLE _____ DATE _____			TITLE _____ DATE _____		
<div>WESTCHESTER COUNTY, NEW YORK</div> <div>DEPARTMENT OF PUBLIC WORKS</div> <div>AND TRANSPORTATION</div> <div>DIVISION OF ENGINEERING</div>				CONTRACT NUMBER	SHEET NUMBER
				15 - 553	A-601
				SHEET NO. 22 OF 53	
				SCALE: 1/4" = 1'-0"	
<div>NEW BATHHOUSE FACILITY</div> <div>CROTON POINT PARK</div> <div>CROTON - ON - HUDSON, NEW YORK</div> <div>DOOR SCHEDULE DOOR DETAILS</div>				DATE: 6 / 18 / 21	
				DPW FILE NO.	REV. NO.
				2-02-A-66	0

BASE BID NOTE:

'DOOR SCHEDULE & HARDWARE'
& 'DOOR TYPES, FRAMES & HARDWARE':
REMAIN IN THE PROJECT AS:
BASE BID ITEMS.

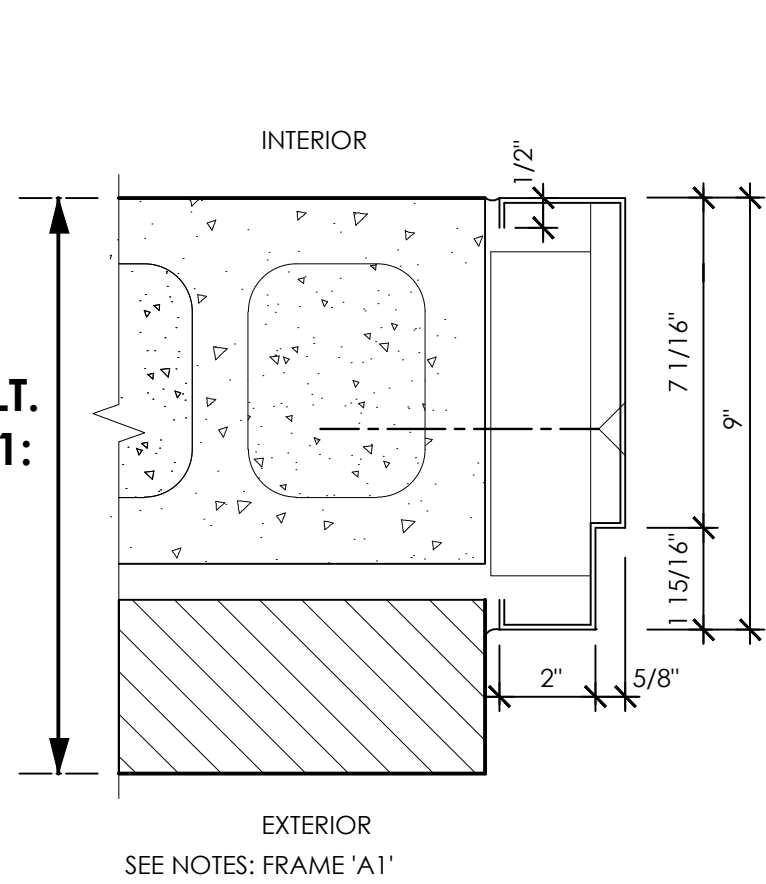
1 DOOR SCHEDULE & HARDWARE

2 DOOR TYPES, FRAMES & HARDWARE

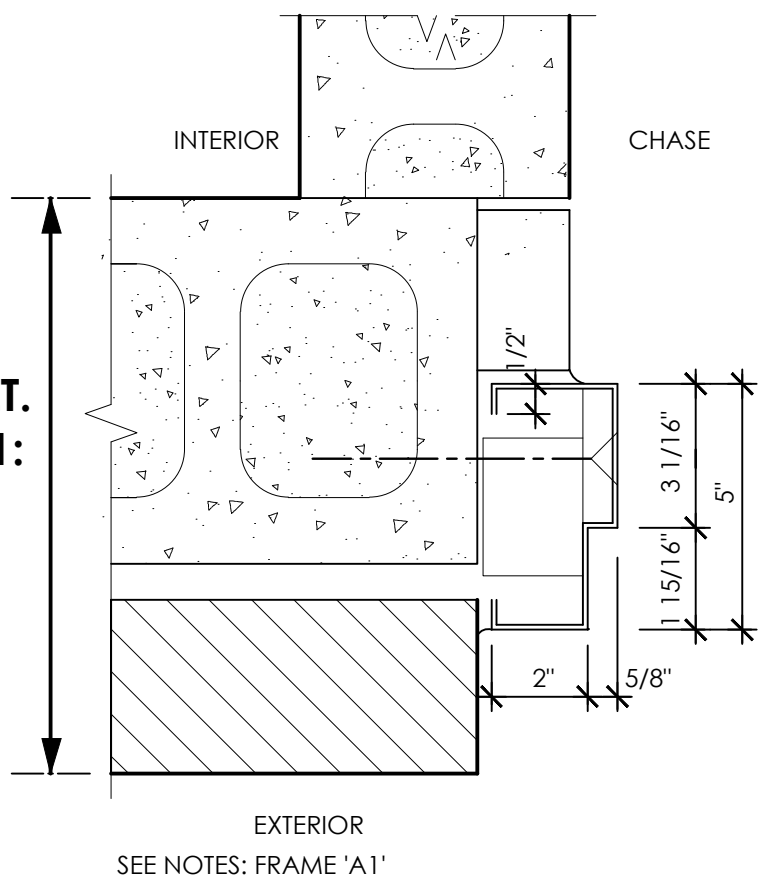


TYPE 'A1'
HOLLOW METAL: EXTERIOR IN-SWING
DOORS #: 1, 3, 4 & 5

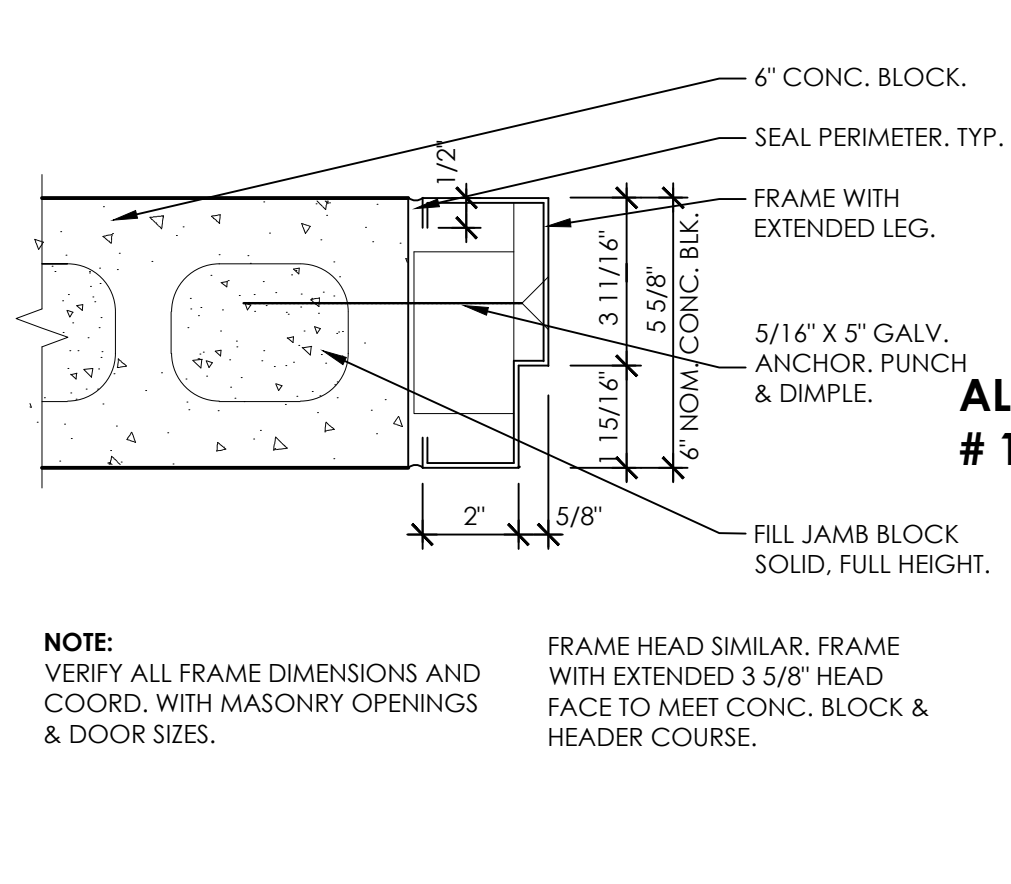
TYPE 'A1, A2 & A3' HEAD
(IN-SWING SHOWN,
OUT-SWING SIMILAR)



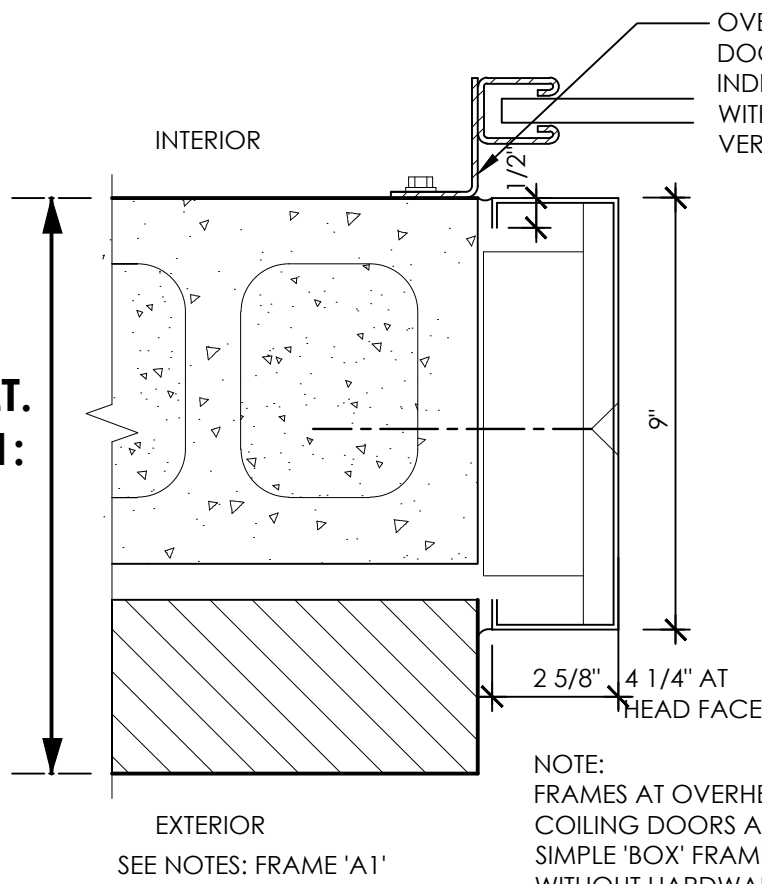
TYPE 'A2'
HOLLOW METAL: EXTERIOR OUT-SWING
DOORS #: 6, 7, 8 & 9



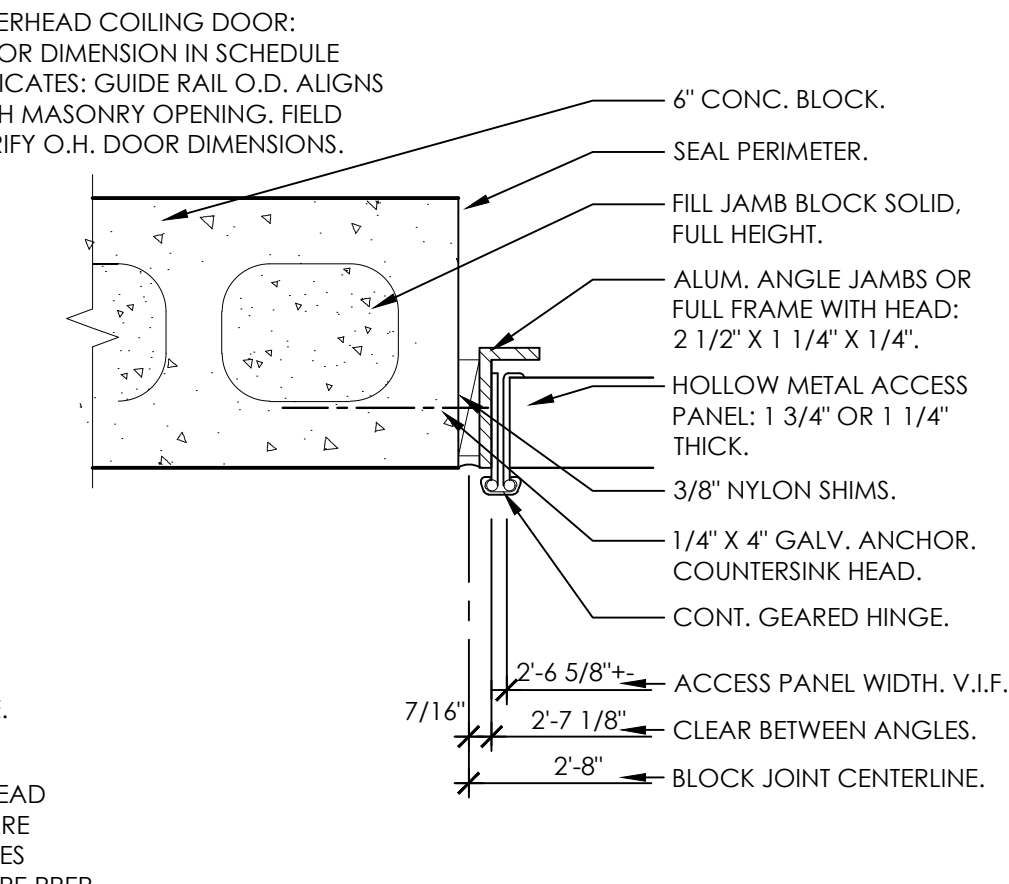
TYPE 'A3'
HOLLOW METAL: EXTERIOR OUT-SWING
DOOR #: 7



TYPE 'A3'
HOLLOW METAL: INTERIOR
DOOR #: 9

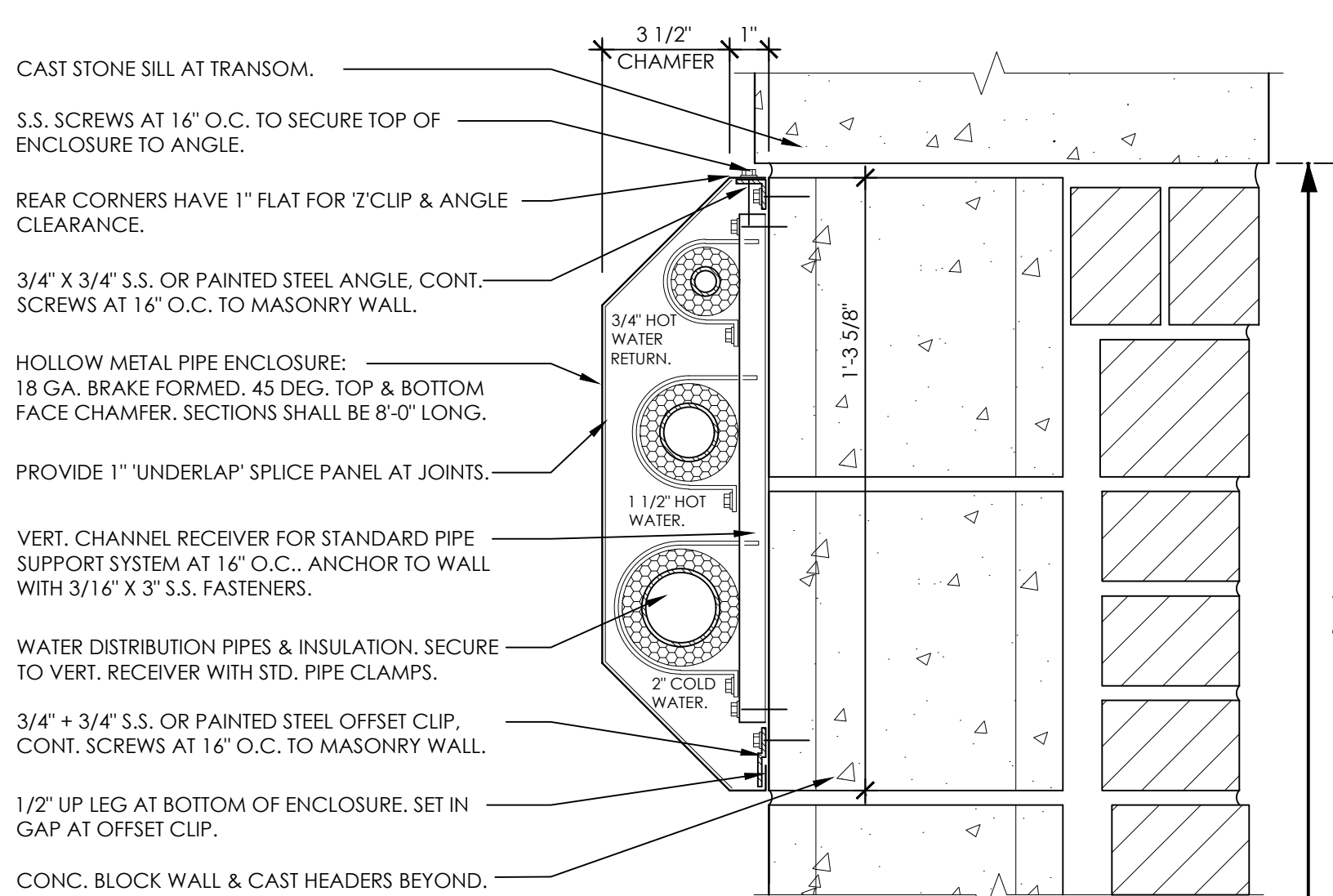


TYPE 'AS'
HOLLOW METAL: O.H. DOOR OPENING FRAME
DOORS #: 01, 02, 03, 04, 05 & 06



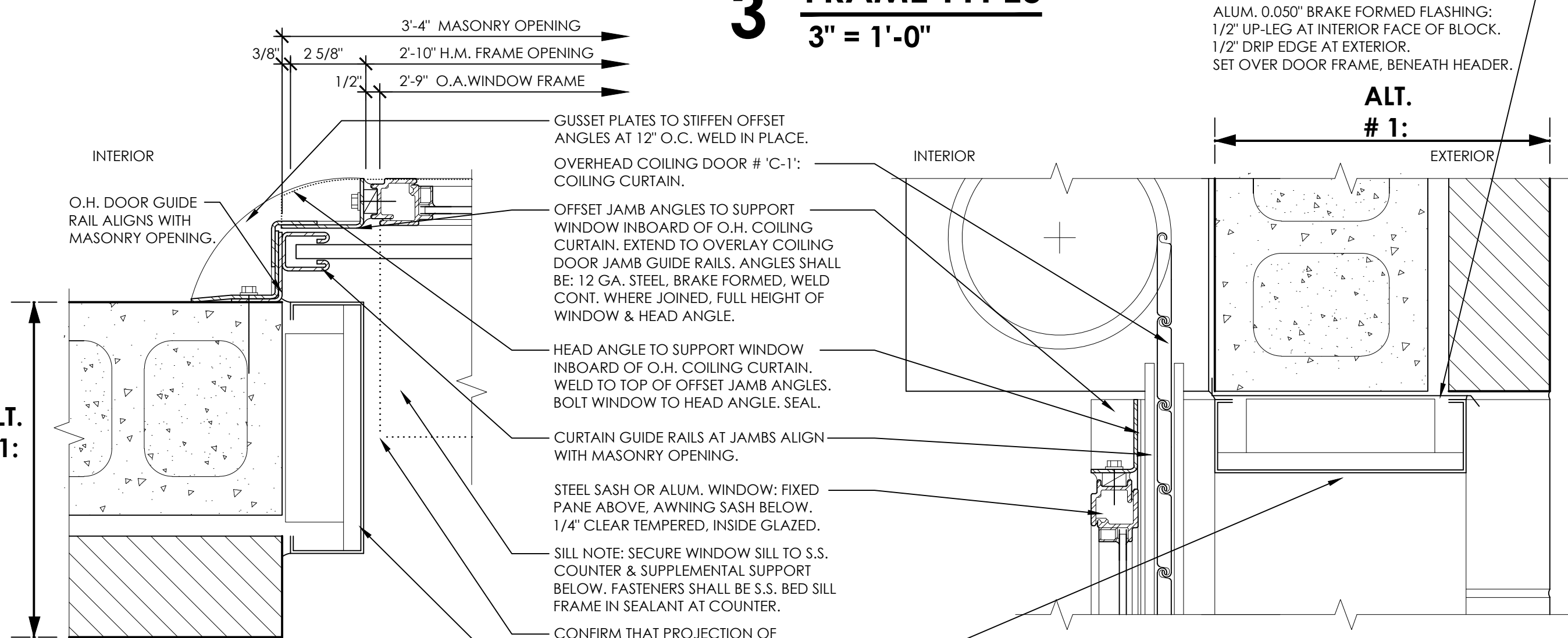
TYPE 'B1' & 'B2'
ALUM. ANGLE:
'B1': JAMBS ONLY, NO HEAD; DOORS #: 10 & 11
'B2': JAMBS & HEAD; DOORS #: 12 & 13

3 FRAME TYPES
3" = 1'-0"



5 PIPE ENCLOSURE DETAIL
3" = 1'-0"

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



4 OFFSET JAMB ANGLE DETAIL AT LIFEGUARD WINDOW
3" = 1'-0"

PAINTING NOTE:
THE FOLLOWING ITEMS SHALL RECEIVE 2 COATS PRIMER & 2 COATS FINISH PAINT PER SPECIFICATIONS:
OVERHEAD COILING DOOR COMPONENTS INCLUDING:
CURTAIN, GUIDE RAILS, HOOD & RELATED ATTACHMENTS.
STEEL SASH WINDOW.
OFFSET SUPPORT ANGLES, HEAD ANGLE & RELATED GUSSETS.

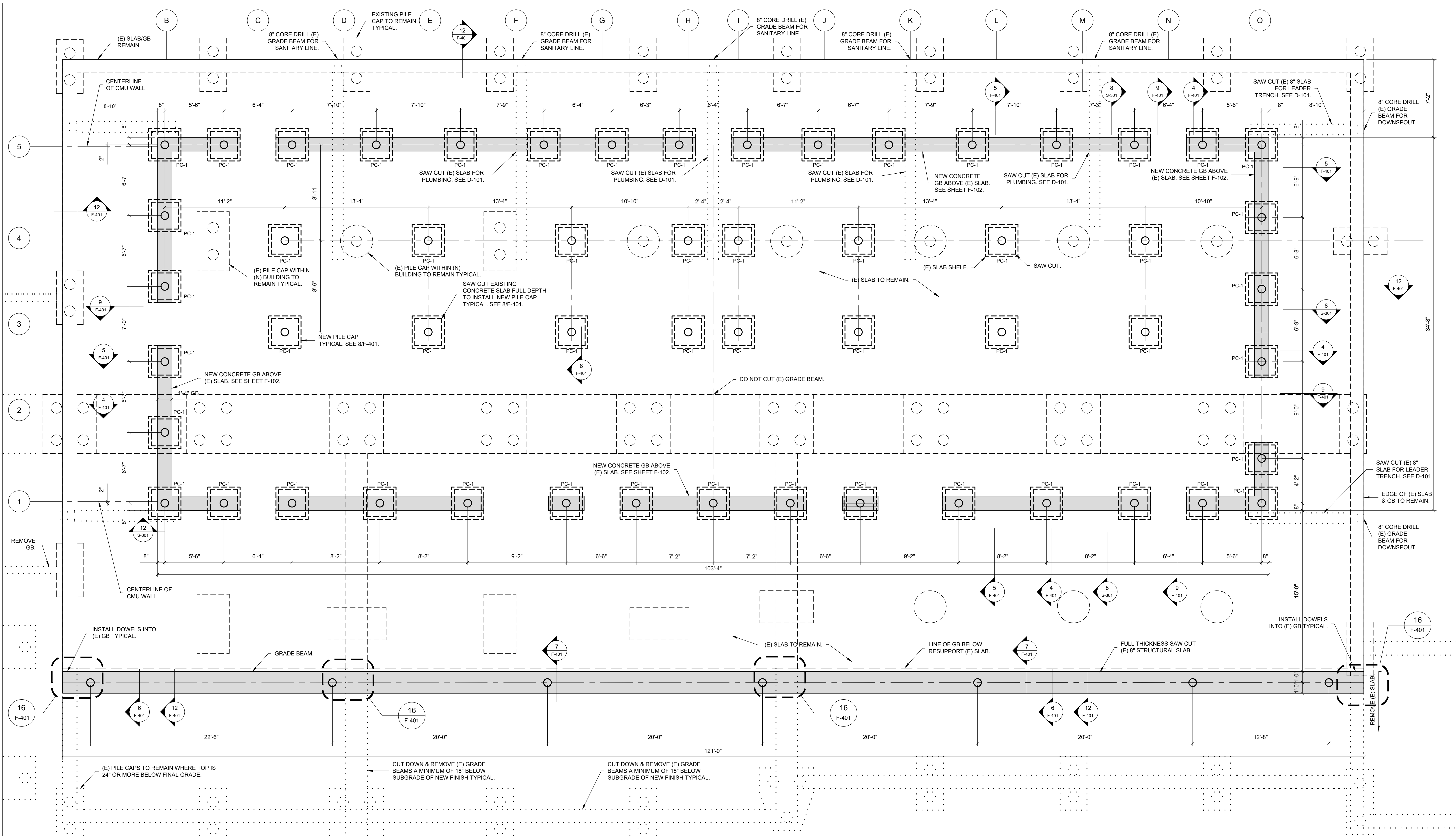
ALTERNATE # 1:

EXTERIOR STRUCTURAL WALLS:
8" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS & 4" BRICK VENEER.

(OMIT BASE BID 12" CONC. BLOCK
STRUCT. EXT. WALLS.; SPLIT FACE.)
(BLOCK FILLER & EPOXY PAINT AT
INTERIOR SURFACES REMAINS.)

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	DATE	TITLE	DATE	DATE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				
CONTRACT NUMBER	15 - 553	SHEET NUMBER	A-601	DATE
SHEET NO. 23 OF 53				SCALE: 1/4" = 1'-0"
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON - ON - HUDSON, NEW YORK DOOR SCHEDULE - DOOR DETAILS				DATE: 6 / 18 / 21
DPW FILE NO. 2-02-A-67				REV. NO. 0

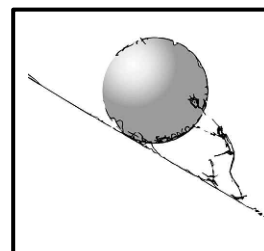
IN CHARGE OF: ADAM KAPLINSKI RA
CHECKED BY: ADAM KAPLINSKI RA
MADE BY: JOHN W. LEVY RA



LEGEND	
PC-#	PILE CAP TYPE
PCO	PILE CUT OFF ELEVATION
TPC	TOP PILE CAP ELEVATION
○	(E) TON PILE
■	GRADE BEAM
○	(N) PILE
○	(N) PILE CAP
○	(E) PILE CAP OR GRADE BEAM TO REMAIN
---	EXISTING TO REMOVE

IN CHARGE OF: K. MILEY
CHECKED BY: K. MILEY
MADE BY: T. RAYHO

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



HILLMAN & MILEY
CONSULTING ENGINEERS PLLC

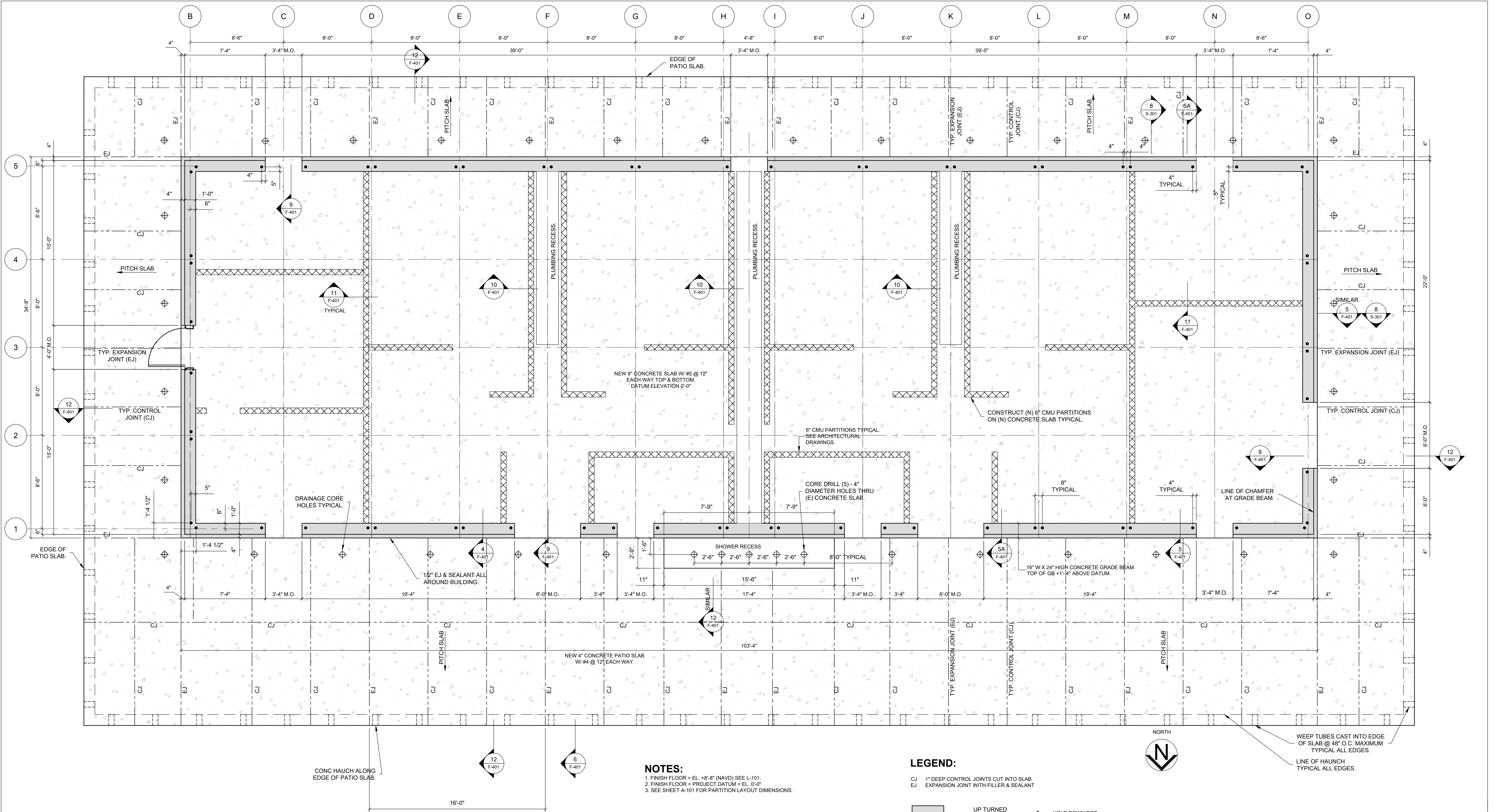
235 Memoroneck Avenue
White Plains, NY 10603
Phone: 914.428.0909

H&M JOB NO. 20.4177



RECORD DRAWING CERTIFICATION			
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED		<input type="checkbox"/> AS BUILT - NO CHANGES	
CONTRACTOR		PROJECT COORDINATOR	
NAME	NAME	NAME	NAME
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
TITLE	TITLE	TITLE	TITLE
DATE	DATE	DATE	DATE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NEW YORK FOUNDATION PLAN - BATH HOUSE				SHEET NUMBER F - 101
SCALE: 1/4" = 1'-0"				SHEET NO. 24 OF 53
DATE: 06 / 18 / 2021				REV. NO. 0
DPW FILE NO. 2-02-S-68-0				



NOTES:
1. FINISH FLOOR = EL. +8'-8" (NAVD) SEE L-101.
2. FINISH FLOOR = PROJECT DATUM = EL. 0'-0"
3. SEE SHEET A-101 FOR PARTITION LAYOUT DIMENSIONS.

LEGEND:

- CJ 1" DEEP CONTROL JOINTS CUT INTO SLAB
EJ EXPANSION JOINT WITH FILLER & SEALANT
- UP TURNED GRADE BEAM
6" CMU PARTITION
CONCRETE SLAB
- HOLD DOWN ROD
DRAINAGE CORE HOLE
WEEP TUBE

IN CHARGE OF: K. MILEY
CHECKED BY: K. MILEY
MADE BY: T. RAYHO

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
235 Momoroneck Avenue
White Plains, NY 10603
Phone: 914.428.0909
H&M JOB NO. 20.4177



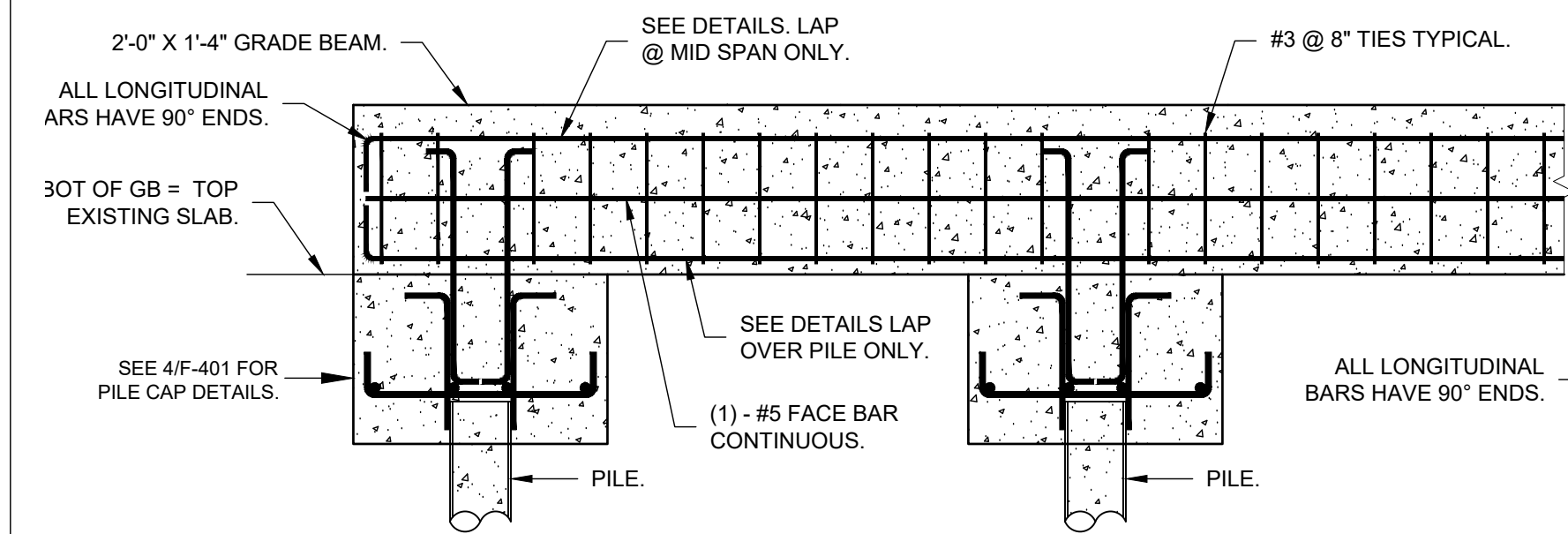
RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED
AS BUILT - NO CHANGES

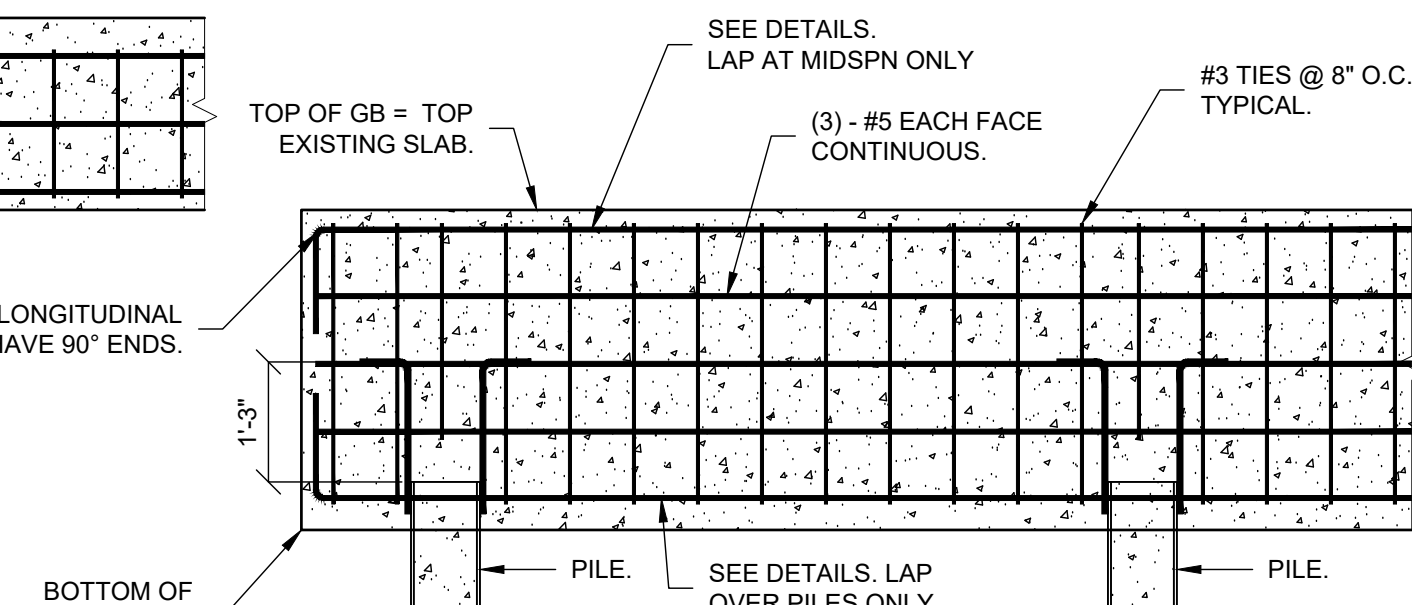
CONTRACTOR PROJECT COORDINATOR

NAME SIGNATURE TITLE DATE

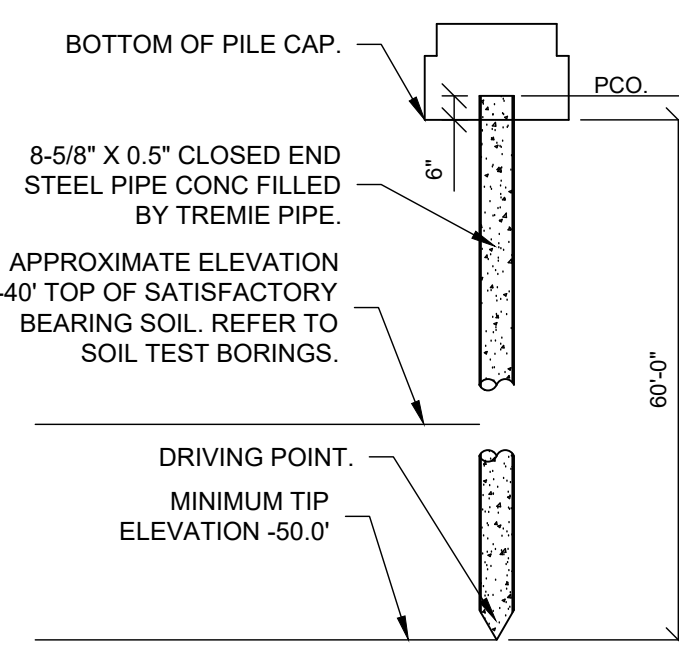
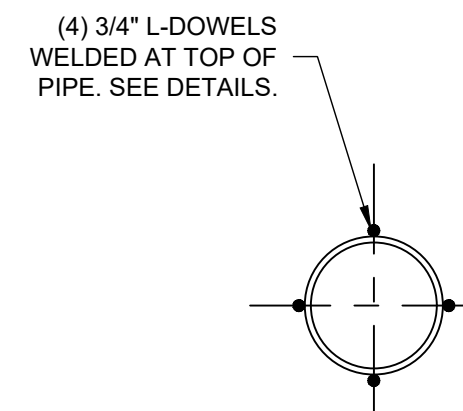
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
15-553				WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING
25				NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NEW YORK CONCRETE GRADE BEAM & SLAB PLAN
NO. 15-553	NO. 25	OF 53	SCALE: 1/4" = 1'-0"	DATE: 06 / 18 / 2021
DPW FILE NO.	2-02-S-69-0	REV. NO.	0	



2 ELEVATION TYPICAL UPTURNED GB
1/2" = 1'-0"



3 ELEVATION EDGE GRADE BEAM
1/2" = 1'-0"

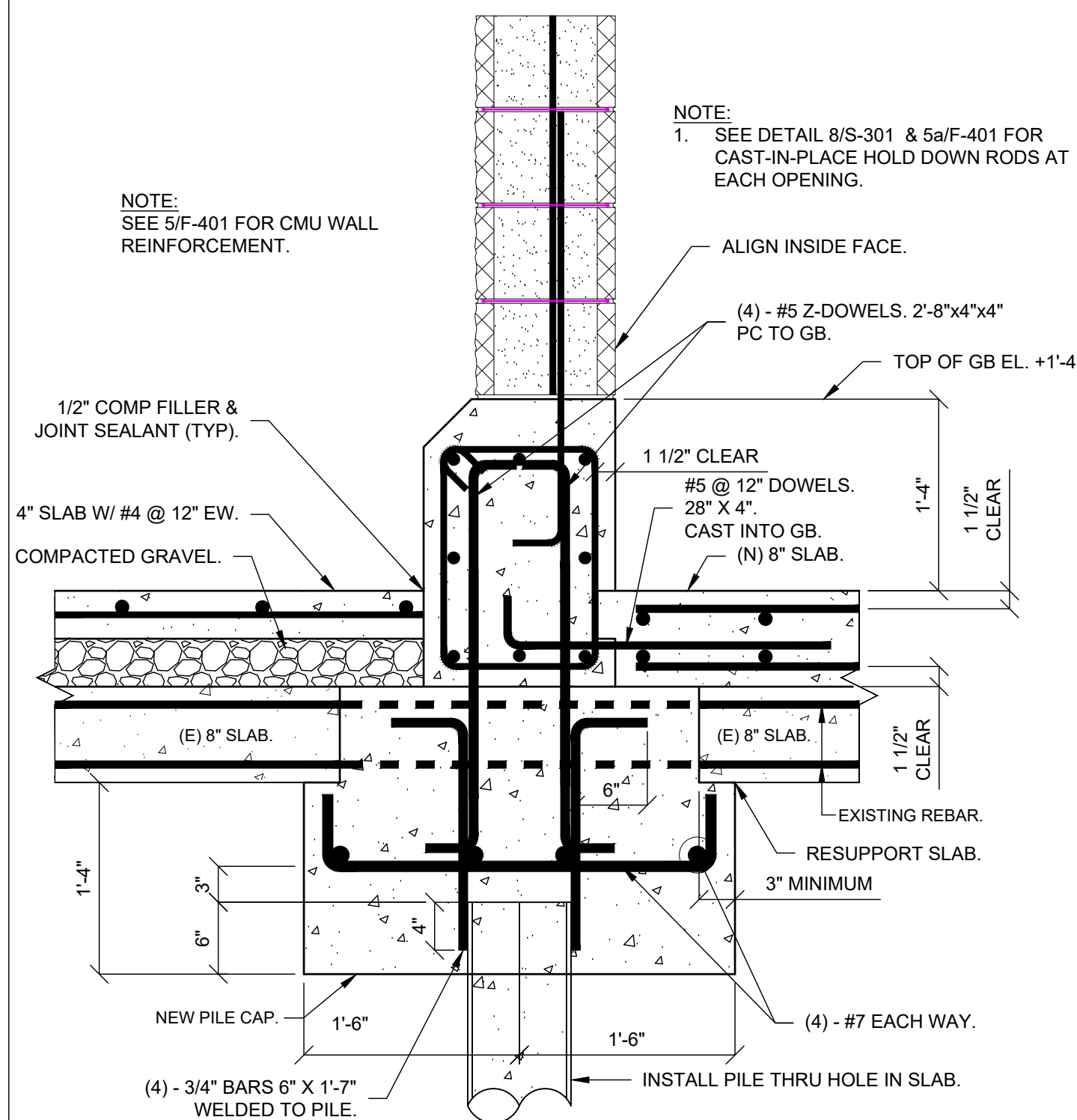


INSTALLED PILES SHALL PROVIDE THE FOLLOWING CAPACITIES:

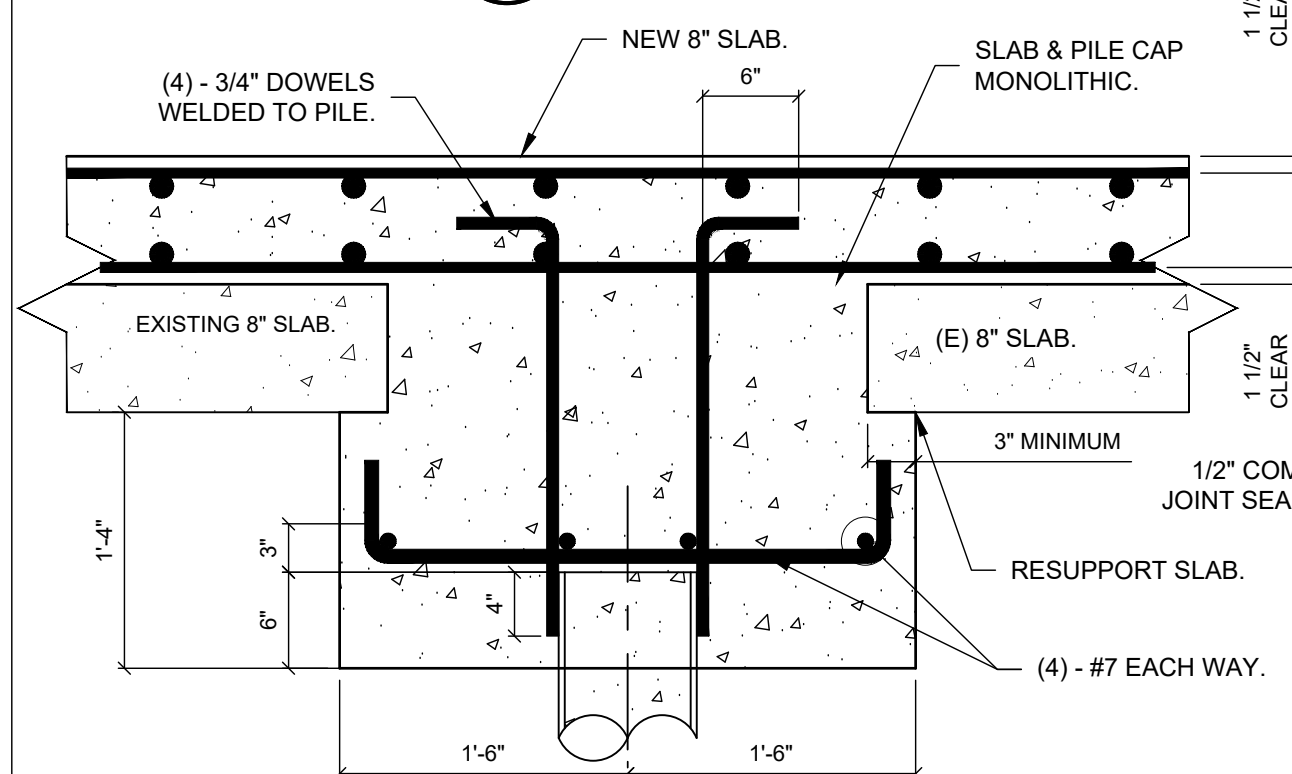
BATHHOUSE STRUCTURE:

	DESIGN	DOWNDRAW	TOTAL DESIGN	ULTIMATE	SAFETY
	LOAD(TONS)	LOAD(TONS)	LOAD(TONS)	LOAD(TONS)	FACTOR
COMPRESSIVE	16	9	25	60	2
TENSION	2		2	6	3
LATERAL	2		2	4	2

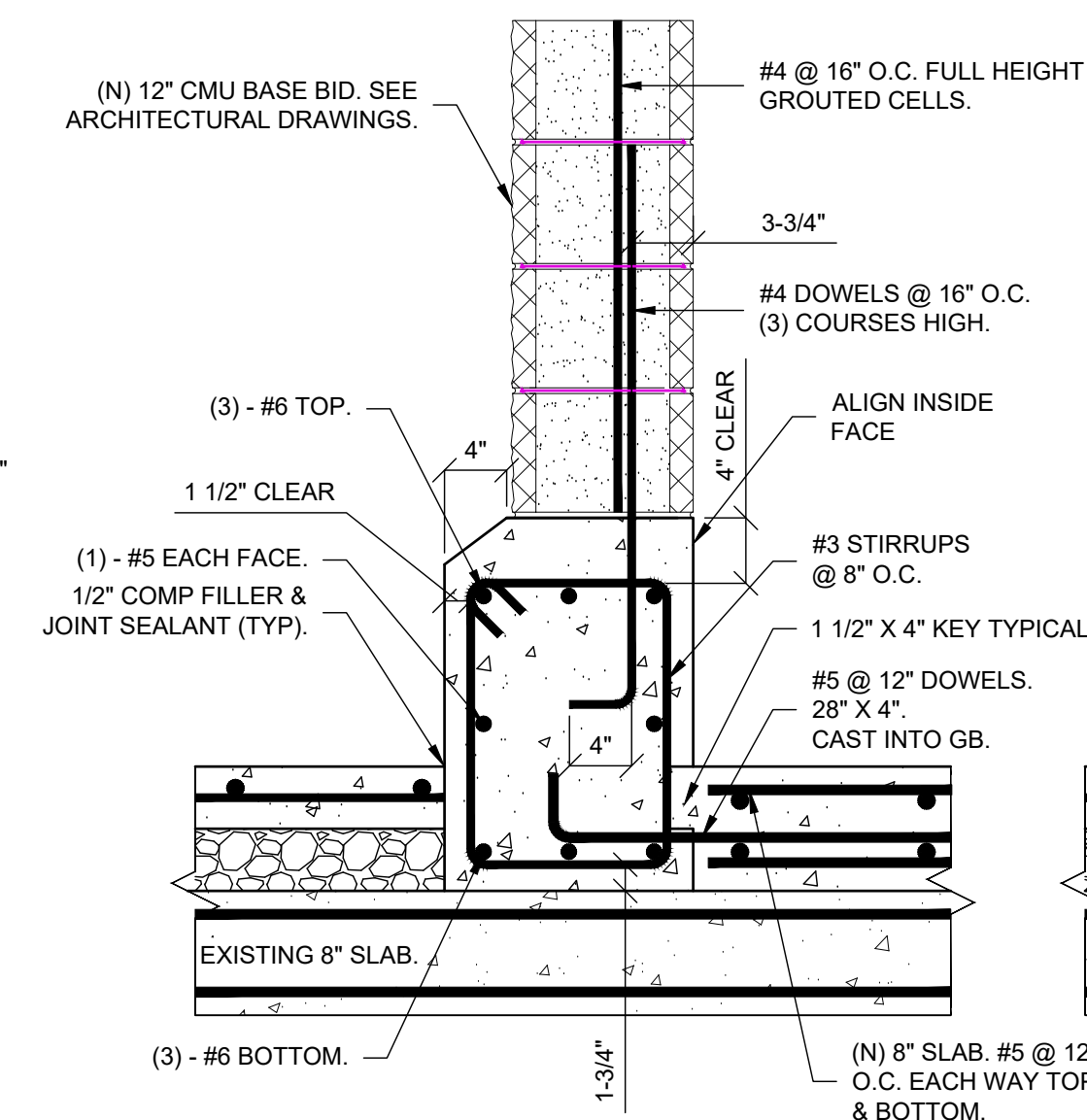
1 STEEL PIPE PILE DETAIL
1/4" = 1'-0"



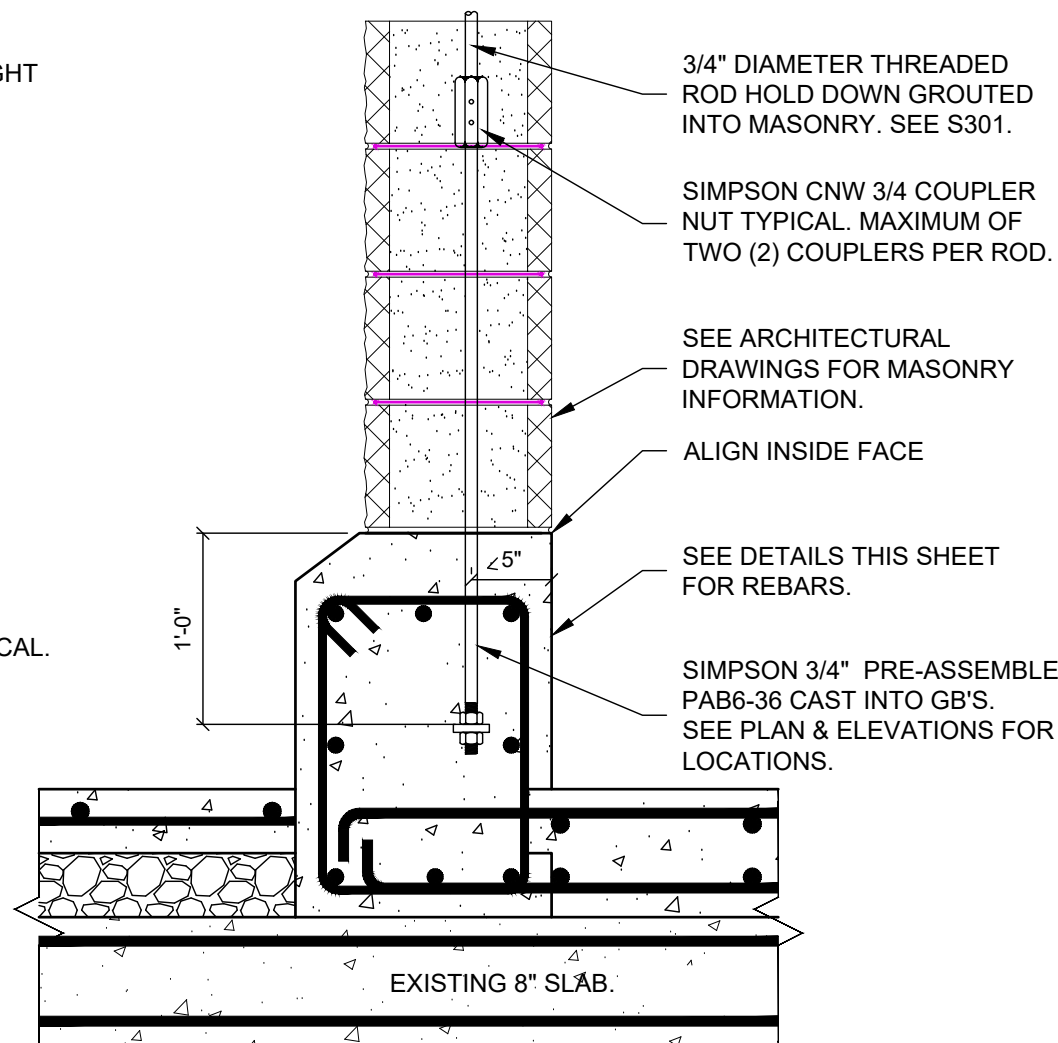
4 TYPICAL GB & PC
1" = 1'-0"



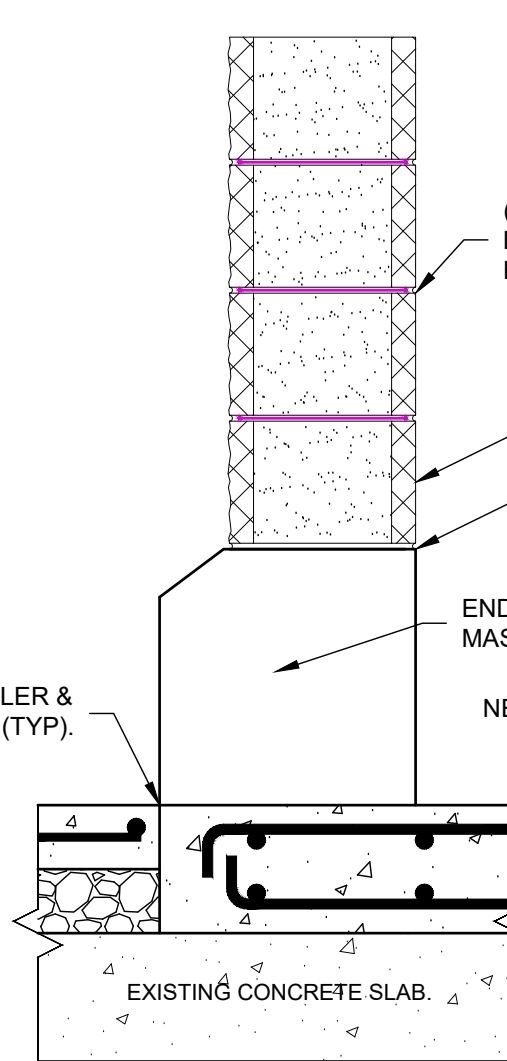
8 TYPICAL INTERIOR PILE CAP & SLAB DETAIL
1" = 1'-0"



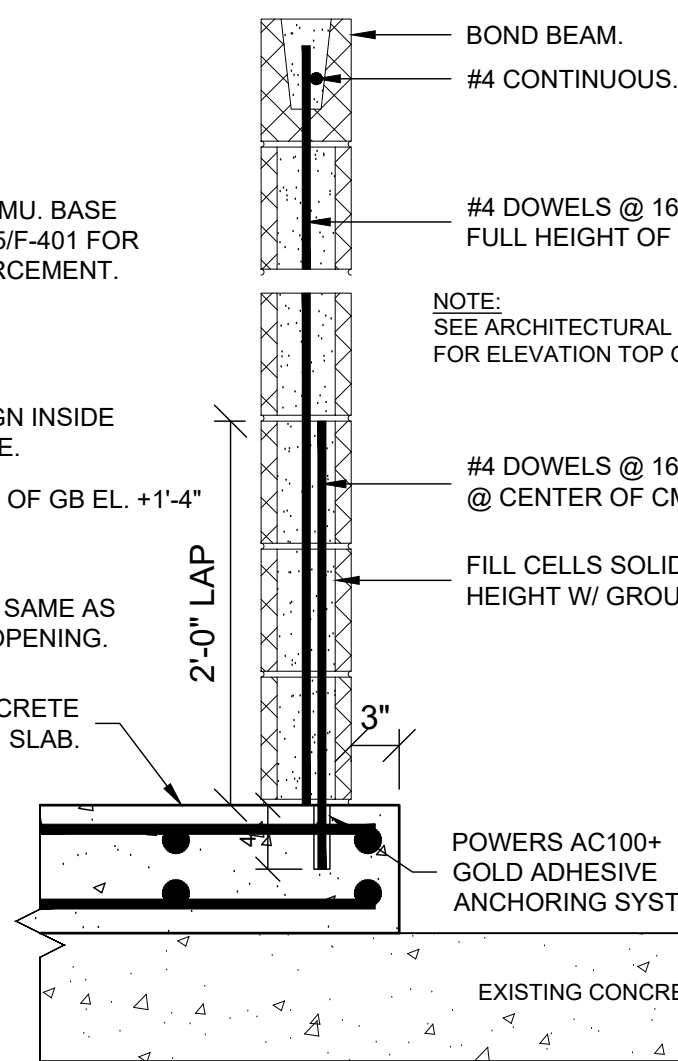
5 TYPICAL UPTURNED GB @ WALLS
1" = 1'-0"



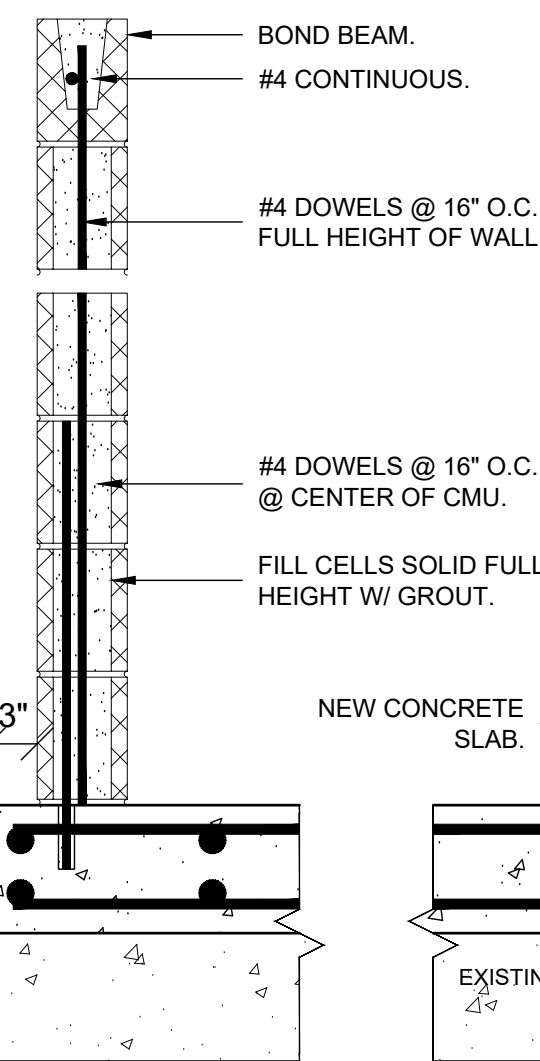
5A HOLDDOWN RODS
1" = 1'-0"



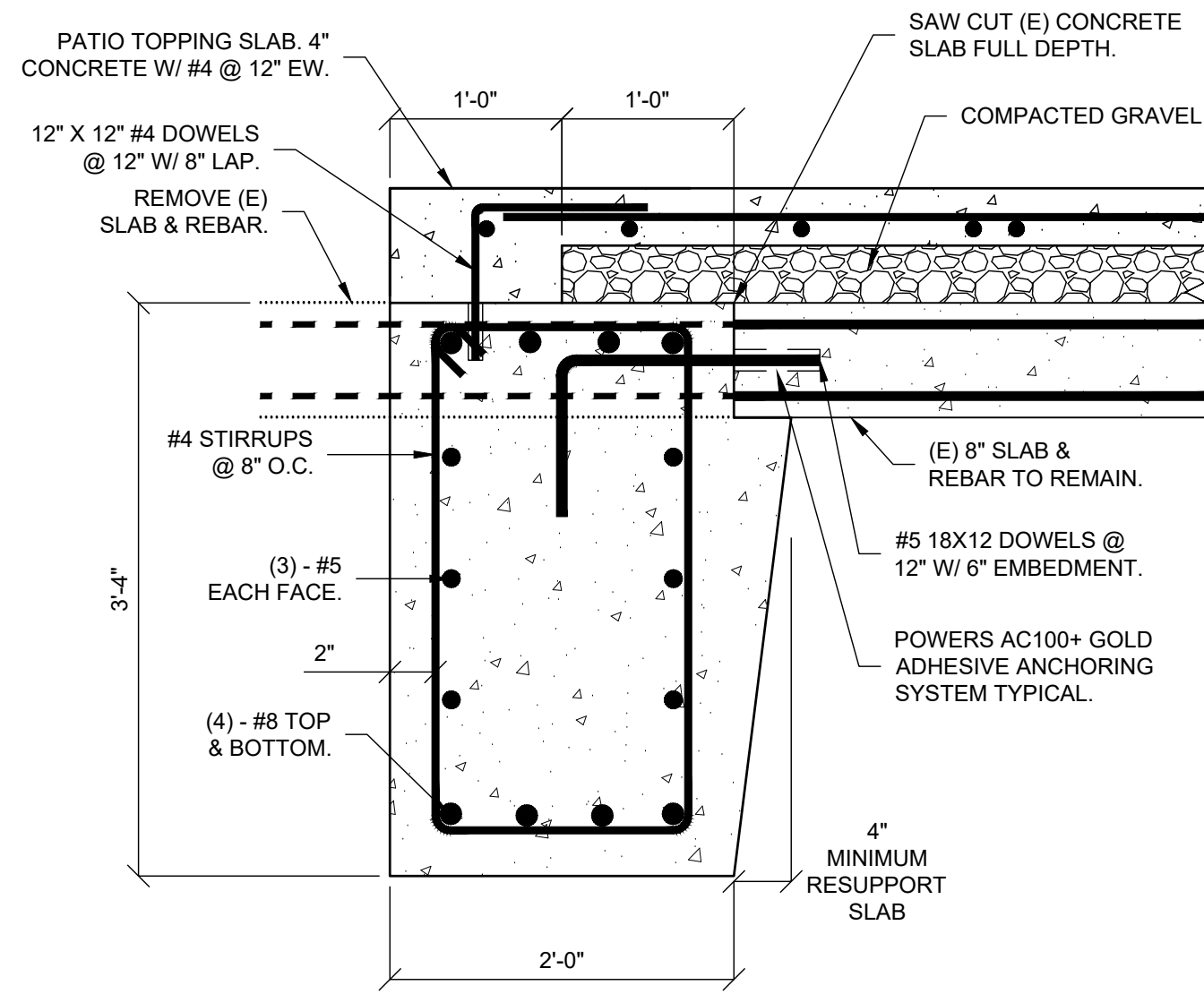
9 SLAB @ DOOR
1" = 1'-0"



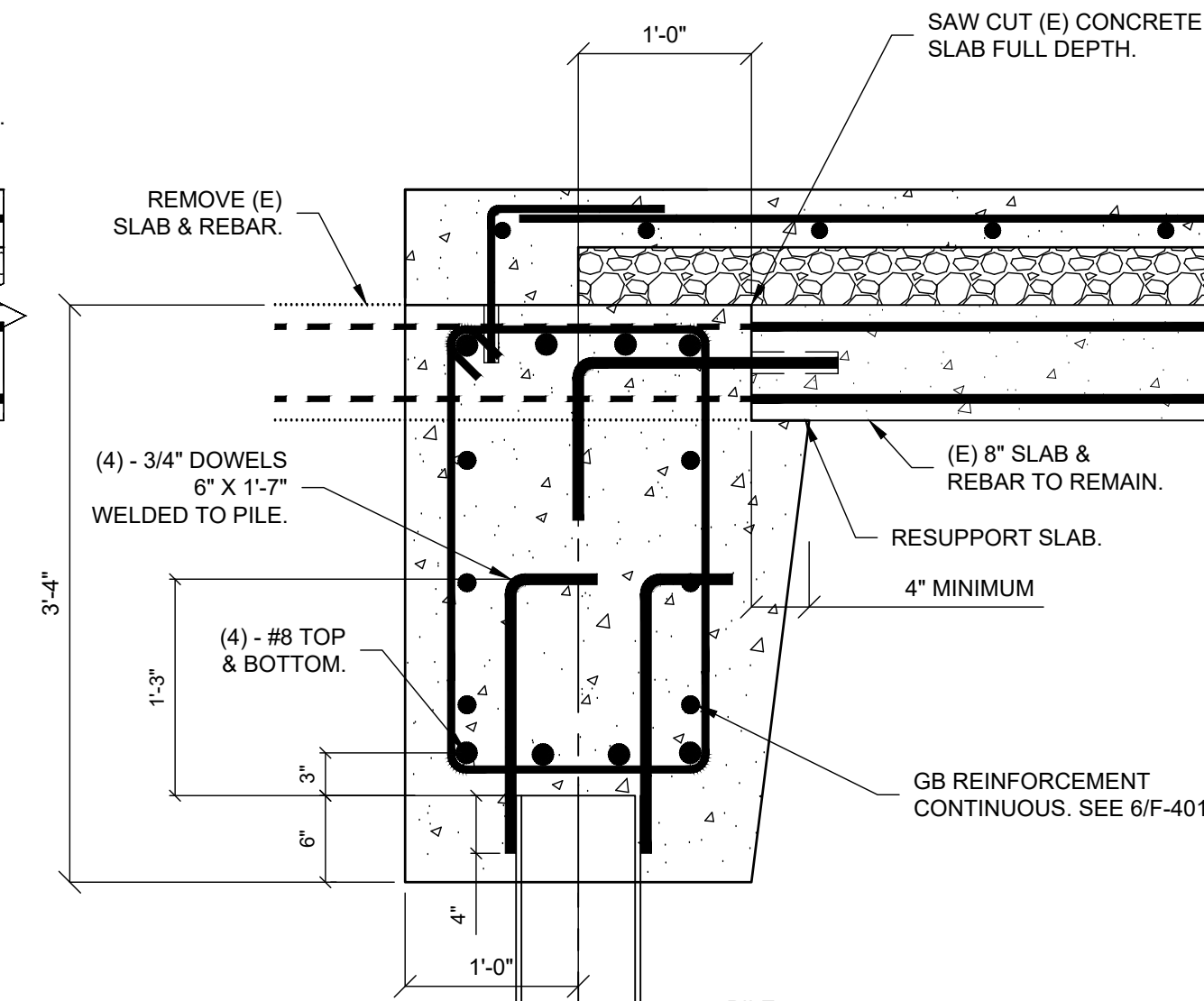
10 SECTION PLUMBING CHASE
1" = 1'-0"



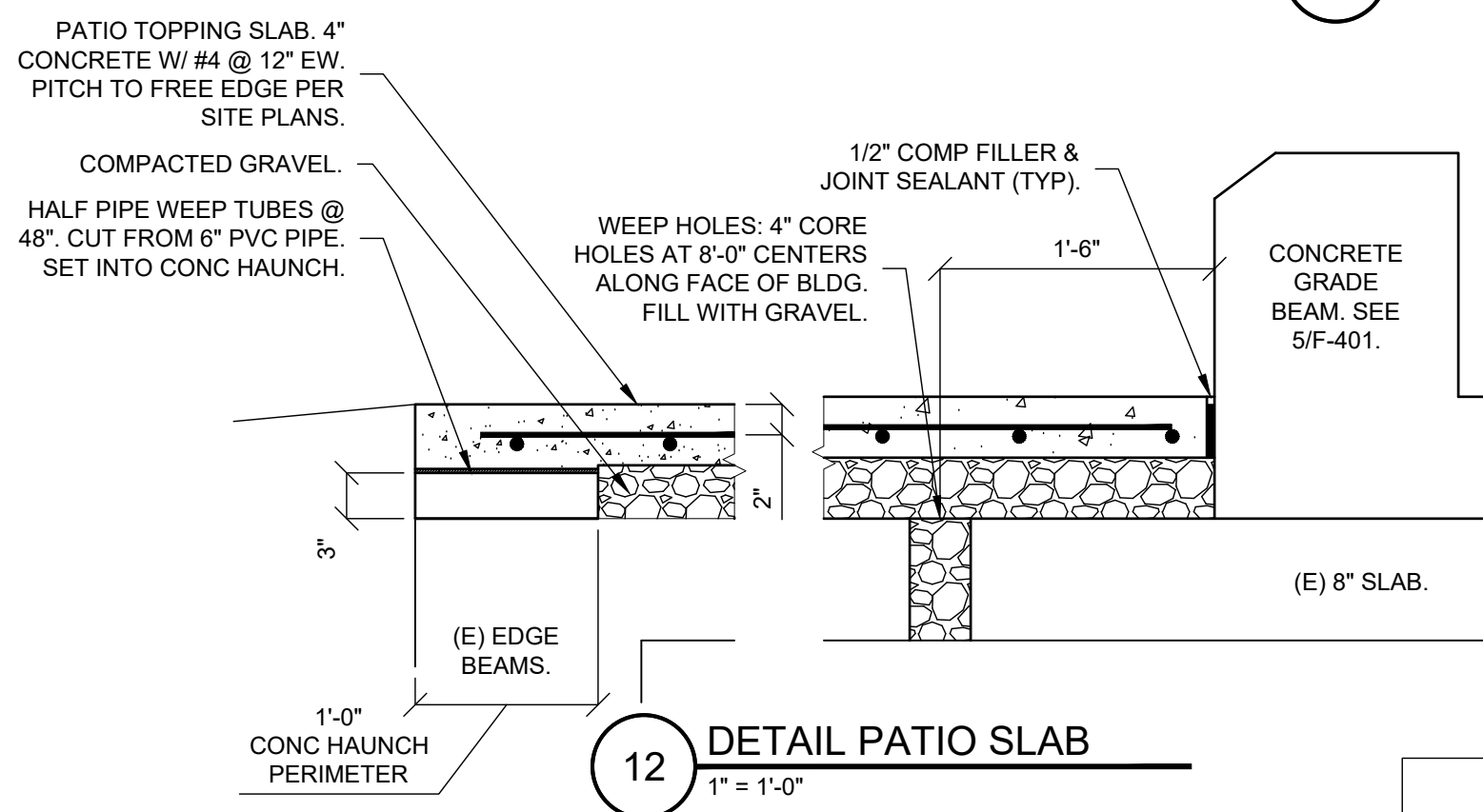
11 TYPICAL INTERIOR CMU WALL
1" = 1'-0"



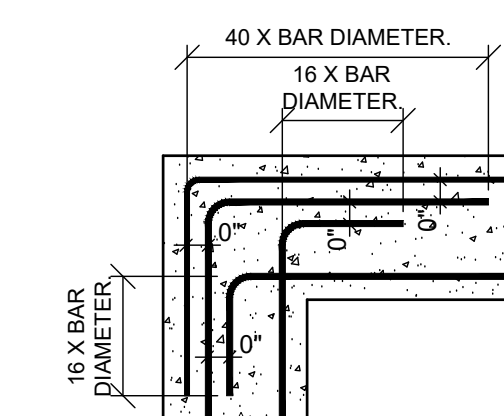
6 GB @ SLAB EDGE
1" = 1'-0"



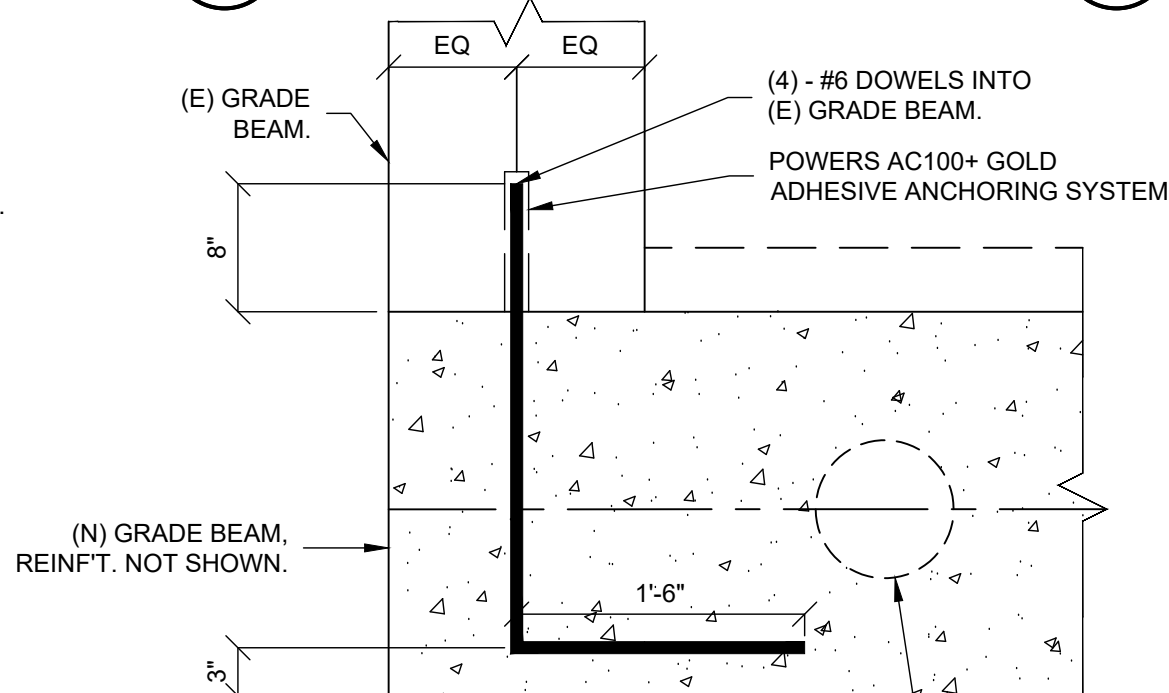
7 PILES @ SLAB EDGE
1" = 1'-0"



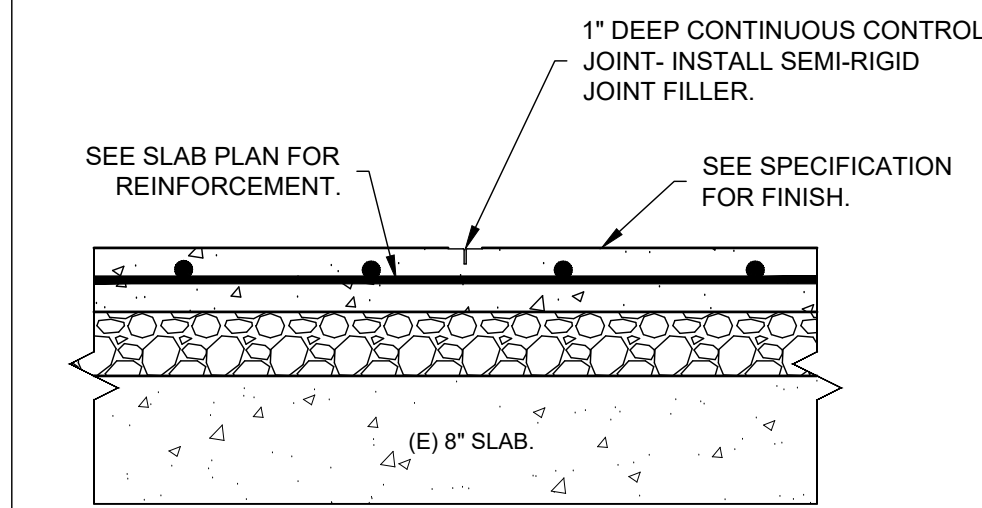
12 DETAIL PATIO SLAB
1" = 1'-0"



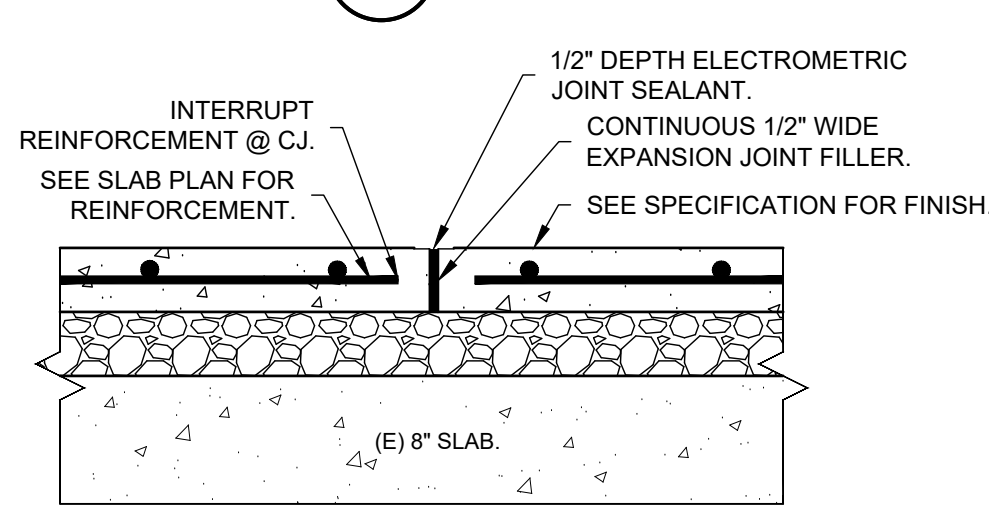
13 PLAN DETAIL CORNER REBAR
1/2" = 1'-0"



16 PLAN GRADE BEAM CONNECTION
1" = 1'-0"



14 CONTROL JOINT DETAIL (CJ)
1" = 1'-0"



15 EXPANSION JOINT DETAIL (EJ)
1" = 1'-0"

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: K. MILEY
CHECKED BY: K. MILEY
MADE BY: T. RAYHO

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
235 Mamaroneck Avenue
White Plains, NY 10605
Phone: 914.428.0909
H&M JOB NO. 20.4177

STATE OF NEW YORK
SEAL
RAYMOND J. MILEY
NO. 060391
LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NEW YORK PILE & CONCRETE DETAILS		
CONTRACT NUMBER	15-553	SHEET NUMBER	F - 401	
SHEET NO. 26		OF 53		
SCALE: AS SHOWN		DATE: 06/18/2021		
DPW FILE NO.		2-02-S-70-0		
REV. NO.		0		

ABBREVIATIONS

AC	AIR CONDITIONING	HDW	HARDWARE
ACC	ACCESS	HGT	HEIGHT
ACU	ACOUSTICAL	HM	HOLLOW METAL
ACC	ACOUSTICAL PANEL	HSS	HOLLOW STRUCTURE SECTION
ADD	ADDENDUM	HP	HIGH POINT
ADJ	ADJACENT	HTG	HEATING
AFF	ABOVE FINISH FLOOR	HVAC	HEATING VENTILATION & AIR CONDITIONING
AL	ALTERNATE	IN	INCH
ALUM	ALUMINUM	INS	INSULATION
ARCH	ARCHITECT (URAL)	LAM	LAMINATE (D)
ARF	ABOVE RAISED FLOOR	LVL	LAMINATED VENEER LUMBER
BD	BOARD	LAV	LAVATORY
BLDG	BUILDING	LVL	LIVE LOAD
BLK	BLOCK	LP	LOW POINT
BO	BOTTOM OF	MAX	MAXIMUM
BRG	BEARING	MECH	MECHANICAL
BRK	BRICK	MFR (D)	MANUFACTURE @ (D)
BSMT	BASEMENT	MIN	MINIMUM
BUR	BUILT UP ROOFING	MO	MASONRY OPENING
CB	CATCH BASIN	MTL	METAL
CBIC	CABLE HOLE IN CEILING	N	NEW
CBIF	CABLE HOLE IN FLOOR	N	NORTH
CEM	CEMENT	NIC	NOT IN CONTRACT
CI	CAST IRON	NO	NUMBER
CJ	CENTER LINE	NOM	NOMINAL NUMBER
CLOG	CENTER LINE	NTS	NOT TO SCALE
CLR	CLEAR (ANCE)	OA	OVERALL
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CNTR	COUNTER	OVERHEAD	OVERHEAD
COL	COLUMN	OPENING	OPENING
CONC	CONCRETE	OPPOSITE	OPPOSITE
CONST	CONSTRUCTION	PCL	POURED CONCRETE
CNTR	COUNTER	PL	PLATE
CORR	CORRIDOR	PANEL	PANEL
CTR	CENTER	PTN	PARTITION
CJ	CONTROL JOINT	PVC	POLYVINYL CHLORIDE
DEMO	DEMOLITION	PSI	POUNDS PER SQUARE INCH
DEPT	DEPARTMENT	R	RISER
DIA	DIAMETER	RA	RAISED ACCESS
DIV	DIAGONAL	RADIUS	RADIUS
DM	DIMENSION	RD	ROOF DRAIN
DN	DIVISION	REF	REFERENCE
DL	DEAD LOAD	REINF	REINFORCED
DN	DOWN	RES	RESILIENT
DR	DAMP PROOFING	RFG	ROOFING
DR	DOOR	RO	ROUGH OPENING
DS	DOWNSPOUT	S	SOUTH
DTL	DETAIL	SD	STORM DRAIN
DWG	DRAWING	SECT	SECTION
E	EAST	SQ	SQUARE FOOT
EAC	EACH	SIM	SIMILAR
EL	ELEVATION (AL)	SPEC	SPECIFICATION
EL	ELEVATION TOPOGRAPHICAL	SPR	SPRINKLER
EMERG	EMERGENCY	SQ	SQUARE
ENCL	ENCLOSE (ENCLOSURE)	STD	STANDARD
EQ	EQUAL	STL	STEEL
EW	EACH WAY	STOR	STORAGE
EXC	EXCAVATE	SUSP	SUSPENDED
EXH	EXHAUST	T	TREAD
EXIST (E)	EXISTING	THK	THICK (NESS)
EJ	EXPANSION JOINT	TOP	TOP OF
EXT	EXTERIOR	TOS	TOP OF STEEL
FD	FLOOR DRAIN	TYP	TYPICAL
FDN	FOUNDATION	UCN	UNLESS OTHERWISE NOTED
FIN	FINISH	VCT	VINYL COMPOSITE TILE
FLR	FLOOR	VIF	VERIFY IN FIELD
FP	FIREPROOF (ING)	W	WEST
FEET	FEET	W	WITH
FTG	FOOTING	WO	WOOD
GA	GAGE, GAUGE	WM	WIRE MESH
GC	GENERAL CONTRACT (OR)	W/O	WITHOUT
GWB	GYPSED BOARD WALL	WP	WATERPROOFING
HCR	HOLLOW CORE	WM	WELDED WIRE MESH
HC	HEADER	WWF	WELDED WIRE FABRIC

MASONRY

- ALL MASONRY MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY BY THE NATIONAL CONCRETE MASONRY ASSOCIATION.
- LOAD BEARING BLOCK SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS: HOLLOW BLOCK: ASTM C90 UNIT COMPRESSIVE STRENGTH 2000 PSI (MIN) BASED ON NET AREA. SOLID BLOCK: ASTM C145 UNIT COMPRESSIVE STRENGTH 2000 PSI (MIN) BASED ON GROSS AREA.
- MORTAR FOR BLOCK CONSTRUCTION SHALL BE TYPE M OR S IN ACCORDANCE WITH ASTM C270.
- GROUT FOR SOLID FILLED BLOCK, WITH OR WITHOUT REINFORCING, SHALL BE 4,000PSI IN ACCORDANCE WITH ASTM C476. GROUT FILLED HOLLOW BLOCK MAY BE USED IN LIEU OF SOLID BLOCK WHERE PLANS INDICATE SOLID BLOCK.
- UTILIZE HIGH-LIFT OR LOW-LIFT GROUTING TECHNIQUE IN ACCORDANCE WITH ABOVE CODES WHERE GROUTING IS NECESSARY.
- HORIZONTAL JOINT REINFORCING SHALL BE PROVIDED AT EVERY SECOND COURSE, AND SHALL BE 3/16" X 9 GAUGE ELECTRONICALLY WELDED TRUSS TYPE, GALVANIZED, WIRE REINFORCING WIDTH SIZED TO WALL CONDITION. USE DUR-O-WAL OR EQUAL.
- ALL MASONRY ANCHORS SHALL BE GLAVANIZED.
- ALL VERTICAL BAR REINFORCEMENT SHALL BE EPOXY COATED.

PRECAST CONCRETE

- PRECAST CONCRETE SHALL BE CAST IN ACCORDANCE WITH ACI SPECIFICATIONS.
- CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS INDICATING SIZES AND LOCATION OF MEMBERS, REINFORCING, CONNECTIONS, AND ANY OTHER DETAILS NECESSARY FOR THE FABRICATION AND ERECTION OF THE PRECAST 'CONCRETE' SLAB TO THE SATISFACTION OF THE ENGINEER.
- REFER TO WRITTEN SPECIFICATIONS FOR ALL CAST CONCRETE HEADERS AND LINTEL BEAMS

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2016 NEW STATE BUILDING CODE.
- CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL EXISTING CONDITIONS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT OR ENGINEER AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
- ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH EXISTING CONDITIONS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENTS SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONAL OR THE STRUCTURE.
- FURNISH ALL SCAFFOLDING, HOISTING EQUIPMENT AND ANY OTHER EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
- THE CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE CAUSED BY HIM DURING OR RESULTING FROM HIS OPERATIONS.
- CONTRACTOR SHALL REPLACE ALL EXISTING CONSTRUCTION BEING REMOVED FOR CONSTRUCTION PURPOSES. MATCH EXISTING CONSTRUCTION IN KIND.
- AFTER CHECKING AND VERIFYING ALL FIELD MEASUREMENTS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, FULL, COMPLETE, AND DETAILED AS PER INDUSTRY STANDARDS, AND BEARING A STAMP OR WRITTEN INDICATION THAT CONTRACTOR HAS SATISFIED HIS RESPONSIBILITY WITH RESPECT TO THE REVIEW OF THE SUBMISSION.
- CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED ALL QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS AND SIMILAR DATA, AND REVIEWED OR COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS.
- ENGINEER WILL REVIEW AND APPROVE SHOP DRAWINGS WITH REASONABLE PROMPTNESS. BUT ENGINEER'S REVIEW AND APPROVAL WILL BE ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT AND FOR COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS AND SHALL NOT EXTEND TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR TO SAFETY PRECAUTIONS OR PROGRAMS INCIDENT THERETO.
- ENGINEER'S REVIEW AND APPROVAL OF SHOP DRAWINGS OR SAMPLES SHALL NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ANY VARIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS UNLESS CONTRACTOR HAS IN WRITING CALLED ENGINEER'S ATTENTION TO EACH SUCH VARIATION AT THE TIME OF SUBMISSION AND ENGINEER HAS GIVEN WRITTEN APPROVAL OF EACH SUCH VARIATION BY A SPECIFIC WRITTEN NOTATION ON SHOP DRAWINGS. NOR WILL ANY APPROVAL BY ENGINEER RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS OR FROM RESPONSIBILITY FOR HAVING COMPLIED WITH THE PROVISIONS OF NOTE 10.
- MATERIALS SHALL NOT BE FABRICATED OR DELIVERED TO THE SITE BEFORE THE SHOP DRAWINGS HAVE BEEN APPROVED.
- UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC., SHALL BE REMOVED AND WORK AREA LEFT CLEAN TO THE OWNER'S SATISFACTION.
- STRUCTURAL DESIGN COMPLIES WITH THE 2016 EDITION OF THE NEW YORK STATE BUILDING CODE.
- CONTRACTOR MUST NOTIFY THE COUNTY REPRESENTATIVE OF WORK PROGRESS SO THAT REGULAR PERIODIC INSPECTION OF ALL ASPECTS OF THE CONSTRUCTION WORK, INCLUDING EXCAVATION, SUBGRADES, PILE DRIVING/INSTALLATION, REINFORCEMENT PLACEMENT, CONCRETE PLACEMENT, MASONRY CONSTRUCTION, FRAMING, ETC. WORK CANNOT PROCEED WITHOUT APPROVAL OF AT EACH PHASE OF THE WORK.

STRUCTURAL STEEL:

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

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

SHAPE/SECTION	ASTM MATERIAL STANDARD
W	A992
C.M.C	A36
L	A36
HSS	A500 GRADE B
PIPE	A53 GRADE B
PLATES	A36
- ALL SHOP WORK TO BE WELDED OR HIGH STRENGTH BOLTS (3/4" DIAMETER ASTM A325 MINIMUM).
- STRUCTURAL FASTENERS SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL STANDARD.

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

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

GENERAL WOOD NOTES:

- WOOD DESIGN IS BASED ON "AF&PA NDS-2005 "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION".
- ROOF DECKING SHALL BE FRAMED WITH THE MEMBER SIZES AND/OR TYPES AT THE SPACINGS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL EQUIPMENT, FIXTURES, ETC PRIOR TO LAYOUT TO MINIMIZE INTERFERENCE THAT MAY REQUIRE THE ALTERING OR STRENGTHENING OF INSTALLED FRAMING.
- ALL WOOD FRAMING SHALL BE STORED ON SITE AND ABOVE GROUND ON "STICKERS" INDOORS OR UNDER TARPS WITH ADEQUATE CLEARANCES TO ALLOW AIR CIRCULATION.
- JOISTS AND RAFTERS SHALL BE SUPPORTED LATERALLY AT EACH SUPPORT.
- WOOD BEAMS, JOISTS AND RAFTERS SHALL BE BRACED WITH MITERED BRIDGING, MEASURING AT LEAST 1'X 1 1/2" FULL, NAILED TWICE EACH END. IF METAL BRIDGING IS USED IT SHALL BE OF EQUAL STRENGTH AND DURABILITY, MAXIMUM DISTANCE BETWEEN BRIDGING AND BEARING ENDS SHALL BE 8'-0".
- UNLESS NOTED OTHERWISE, FLUSH FRAMED CONNECTIONS SHALL BE MADE WITH STEEL TIMBER CONNECTORS.
- CONTRACTOR'S TESTING AGENCY SHALL HAVE A NEW YORK STATE LICENSED STRUCTURAL ENGINEER WHO SHALL ATTEST TO WHETHER OR NOT EXISTING STEEL TIMBER CONNECTORS ARE STRUCTURALLY SOUND OR WHETHER THEY WILL REQUIRE REPLACEMENT.
- FASTENERS IN CONTACT WITH PRESERVATIVE TREATED WOOD SHALL EITHER HAVE A TRIPLE ZINC COATING PER ASTM G185 OR BE STAINLESS STEEL. DO NOT MIX STAINLESS STEEL AND GALVANIZED FASTENERS AND CONNECTIONS.

DIMENSIONED WOOD FRAMING NOTES:

- STRUCTURAL FRAMING SHALL BE STRESS GRADED LUMBER EQUAL TO OR BETTER AS FOLLOWS:

1.1.	DOUGLAS FIR LARCH - SELECT STRUCTURAL GRADE.
1.1.1.	Fb = 1,500 PSI
1.1.2.	Fa = 1,100 PSI
1.1.3.	Fv = 180 PSI
1.1.4.	E = 1,900,000 PSI
- DESIGN OF DIMENSIONED LUMBER MEMBERS AND THEIR CONNECTION IS BASED ON THE LUMBER HAVING A MOISTURE CONTENT AT THE TIME OF INSTALLATION OF 19% OR LESS.
- BEAMS, JOISTS, PURLINS AND RAFTERS SHALL BE INSTALLED WITH THE CROWN UP (IE. POSITIVE CAMBER) AND WITHIN 1/2" STRAIGHT, END TO END ALIGNMENT.
- SEVERELY DISTORTED (TWISTED OR CUPPED, CHECKED ETC.) TIMBER/LUMBER SHALL NOT BE USED.
- NOTCHES IN THE TOP OR BOTTOM OF DIMENSIONED LUMBER JOISTS OR RAFTERS SHALL NOT EXCEED 1/16 THE MEMBER DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE OF THE SPAN. END NOTCHES SHALL NOT EXCEED 1/4 OF THE MEMBER DEPTH. BORED HOLES SHOULD NOT BE WITHIN 2 INCHES OF THE TOP AND BOTTOM OF THE MEMBER AND THEIR DIAMETER SHALL NOT EXCEED ONE THIRD THE MEMBER DEPTH, UNLESS NOTED OTHERWISE ON PLANS.

ROOF AND FLOOR SHEATHING:

- SHEATHING FOR ROOF AND SUBFLOOR SHALL BE APA STRUCTURAL PANEL SHEATHING CONFORMING TO DOC P-1, SPECIES GROUP 2 OR 3, 23/32" OR 3/4" THICKNESS, 48/24 SPAN RATING, GRADE C-D OR BETTER, EXPOSURE 1 OR BETTER, SQUARE EDGE AT WOOD STRIP FLOORING, TONGUE-AND-GROOVE EDGE AT TILE FLOOR AREAS.
- SHEATHING PANELS FOR ROOF AND FLOOR SURFACES SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR ACROSS SUPPORTS AND CONTINUOUS OVER TWO OR MORE SPANS. PROVIDE 1/8" SPACE BETWEEN PANEL EDGES PARALLEL TO FACE GRAIN, 1/4" SPACE BETWEEN PANEL EDGES OVER SUPPORTING MEMBERS.
- WOOD ROOF DECKING SHALL BE SOLID SAWN VISUALLY GRADED LUMBER CONFORMING TO AITC112, DOUGLAS -FIR LARCH, DOUGLAS-FIR LARCH(NORTH) OR SOUTHERN WHITE PINE. SELECT GRADE DECKING, SMOOTH FACED, VEE-GROOVED, 15% MOISTURE. SEE ARCHITECTURAL PLANS FOR THICKNESS AND LOCATION.

ENGINEERED LUMBER:

- LAMINATED VENEER LUMBER (LVL) SHALL BE EQUAL TO:

1.1.	"MICRO-LAM" AS MANUFACTURED BY WEYERHAEUSER
1.2.	"C-F" LAM AS MANUFACTURED BY THE GEORGIA PACIFIC CORPORATION
1.3.	"GANG-LAM" AS MANUFACTURED BY THE LOUISIANA PACIFIC CORPORATION.
- PARALLEL STRAND LUMBER (PSL) SHALL BE EQUAL TO:

2.1.	"PARALAM" AS MANUFACTURED BY WEYERHAEUSER
------	---
- LAMINATED STRUCTURAL LUMBER (LSL) SHALL BE EQUAL TO "TIMBERSTRAND" AS MANUFACTURED BY WEYERHASUER.
- SOLID GLUED LAMINATED (GLULAM) LUMBER SHALL CONFORM TO AITC SPECIFICATIONS.
- MINIMUM ALLOWABLE STRESS AND STIFFNESS CHARACTERISTICS SHALL BE AS FOLLOWS:

	LVL	PSL
Fb	2,600 PSI	2,900 PSI
Fc (PARALLEL TO GRAIN)	2,510 PSI	2,900 PSI
Fc (PERPENDICULAR TO GRAIN)	750 PSI	625 PSI
Fv	285 PSI	290 PSI
E	1,900,000 PSI	2,200,000

	GLULAM BEAM
Fb	3,000 PSI (3 1/2", 5")
	2,800 PSI (7")
Fc (PARALLEL TO GRAIN)	1,750 PSI (3 1/2", 5")
	1,850 PSI (7")
Fc (PERPENDICULAR TO GRAIN)	805 PSI
Fv	300 PSI
E	2,100,000

- MEMBER SIZES SHOWN ON PLAN (WIDTH X DEPTH) SPECIFIED AS LVL MAY BE CONSTRUCTED OF MULTIPLE LVL PILES OR PSL OF THE SPECIFIED DEPTH, FASTENED TOGETHER BY NAILING OR BOLTING AS APPROVED. MEMBER SIZES FOLLOWED ONLY BY PSL OR GLULAM SHALL BE INSTALLED AS A SOLID MEMBER, NOT BUILT UP.
- MINIMUM ALLOWABLE STRESS AND STIFFNESS CHARACTERISTICS OF MEMBERS DESIGNATED AS LSL MATERIAL SHALL BE AS FOLLOWS:

	LSL
Fb	2,325 PSI
Fc (PARALLEL TO GRAIN)	2,050 PSI
Fc (PERPENDICULAR TO GRAIN)	800 PSI
Fv	310 PSI
E	1,550,000 PSI
- MEMBERS MAY NOT BE BORED OR NOTCHED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

WOOD FASTENER NOTES:

- NAILS AND SPIKES SHALL CONFORM TO THE NOMINAL SIZES SPECIFIED IN FEDERAL SPECIFICATIONS FF-N-105B AND AS NOTED BELOW:

PENNYWEIGHT	8D	10D	12D	16D	20D
TYPE COMMON (SHANK DIAMETER)	0.131"	0.148"	0.148"	0.162"	0.192"
(LENGTH)	2.50"	3.00"	3.25"	3.50"	4.00"
(HEAD DIAMETER)	0.281"	0.312"	0.12"	0.344"	0.406"
- PNEUMATIC OR ELECTRIC POWERED HAMMERS TYPICALLY UTILIZE LIGHTER GAGE FASTENERS AND NORMALLY REQUIRE ADDITIONAL FASTENERS TO BE INSTALLED. FASTENER SPECIFICATIONS MUST BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL TO THE ARCHITECT PRIOR TO INSTALLATION IF POWERED HAMMERS ARE TO BE USED.
- BOLTS SHALL CONFORM TO ASTM A307 OR ASTM A36.
- LAGS AND WOOD SCREWS SHALL CONFORM TO ANSIA/ASME STANDARD B18.81-19.81.
- ALL FASTENERS USED IN CONTACT WITH PRESERVATIVE PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 OR STAINLESS STEEL, TYPE 316. DO NOT MIX STAINLESS STEEL AND GALVANIZED FASTENERS AND CONNECTORS.
- BORED LEADING HOLES FOR FASTENERS SHALL BE AS FOLLOWS:

6.1.	NAIL AND SPIKE LEAD HOLES ARE NOT REQUIRED UNLESS TO PREVENT SPLITTING OF WOOD. IF REQUIRED LEAD HOLE DIAMETER SHALL NOT EXCEED 75% OF NAILS/SPIKE DIAMETER.
6.2.	WOOD SCREWS: LEAD HOLE DIAMETER EQUALS 3/4 OF UNTHREADED SHANK DIAMETER AND CONNECTED WOOD PART AND 7/8 OF DIAMETER AT ROOT OF THREAD IN WOOD RECEIVING THREAD.
6.3.	LAG SCREWS: LEAD HOLE DIAMETER EQUALS SHANK DIAMETER FOR EXTENT OF UNTHREADED SHANK AND 60% OF SHANK DIAMETER THREADED PORTION OF SHANK.
6.4.	THRU BOLTS: LEAD HOLE DIAMETER 1/32 TO 1/16 LARGER THAN NOMINAL BOLT DIAMETER.
6.5.	INSERT THREADED SCREW TYPE FASTENERS BY TURNING WITH SCREWDRIVER OR WRENCH. DO NOT DRIVE BY HAMMERING. FACILITATE INSTALLATION BY PLACING SOAP OR OTHER LUBRICANT ON THREADS.
6.6.	PROVIDE STANDARD ROUND WASHERS UNDER THE HEADS OF ALL THRU BOLTS AND LAG SCREWS AND UNDER ALL FRUCTIONS UNLESS OTHERWISE INDICATED ON THE PLANS. TIGHTEN FASTENERS WITHOUT CRUSHING WOOD FIBERS UNDER WASHERS

CONCRETE

- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND PRACTICE FOR DETAILING OF REINFORCED CONCRETE, ALL AS AMENDED BY THE NEW YORK STATE BUILDING CODE.
- ALL CAST-IN-PLACE CONCRETE SHALL BE CONTROLLED STONE CONCRETE HAVING A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF:

2.1.	4,000 PSI STRUCTURAL SLABS & SLAB-ON-GRADE.
2.2.	3,500 PSI FOOTINGS, PILE CAPS, WALLS AND GRADE BEAMS.
- MINIMUM CEMENT FACTOR 5.75 BAGS PER CUBIC YARD OF CONCRETE. CONTRACTOR SHALL SUPPLY CONCRETE HAVING A 28 DAY STRENGTH 25 PERCENT GREATER THAN THE DESIGN STRENGTH SPECIFIED.
- CONCRETE FOR FLOOR SLABS SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.40. ALL OTHER CONCRETE SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.45.
- CONCRETE MAY CONTAIN A WATER REDUCING ADMIXTURE, AND/OR HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
- ADMIXTURES SHALL CONFORM WITH ASTM C-494 REQUIREMENTS AND CONTAIN NO MORE CHLORIDE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
- ALL PUMPED CONCRETE, ARCHITECTURAL CONCRETE, CONCRETE FOR SLABS, AND OTHER CONCRETE WITH A WATER-CEMENT RATIO OF 0.45 OR LESS SHALL CONTAIN THE HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
- NON-CHLORINE ACCELERATING ADMIXTURES SHALL BE USED IN ALL CONCRETE SLABS PLACED AT TEMPERATURES BELOW 50 DEGREES F. ADMIXTURE SHALL CONFORM WITH ASTM C-494 REQUIREMENTS, AND CONTAIN NO MORE CHLORINE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
- AIR ENTRAINING ADMIXTURE CONFORMING TO ASTM C260, SHALL BE USED IN ALL CONCRETE EXPOSED TO THE WEATHER.
- WHEN CONSTRUCTION JOINTS ARE USED IN SLABS OR BEAMS, THEY SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR, SHALL BE KEVED, AND HAVE REINFORCING RUN THROUGH JOINT OR BE DOWELED WITH SUFFICIENT DOWEL EMBEDMENT AND/OR LAP TO DEVELOP FULL STRENGTH OF REINFORCING.
- HORIZONTAL PLACEMENT STOPS INTERRUPTING THE VERTICAL THICKNESS OF CONCRETE BEING PLACED ARE NOT PERMITTED.
- PROVIDE PLACEMENT STOPS AND/OR CONTRACTION CONTROL JOINTS IN SLABS ON EARTH ALONG ALL COLUMN CENTERLINES, AND BETWEEN (1/2 BAY, 1/3 BAY, ETC.) SO THAT MAXIMUM JOINT SPACING IS LIMITED TO 25 FT +/-N ANY DIRECTION.
- ALL SLABS ON EARTH SHALL BE REINFORCED AS INDICATED ON DRAWINGS.
- CONCRETE PADS, ETC. NOT CAST INTEGRALLY, WITH SLAB ON EARTH SHALL BE REINFORCED WITH 6 X 6-66 WELDED WIRE MESH (6 X 6-W2-9) AT MID-DEPTH OF SLAB, UNLESS SHOWN OTHERWISE.
- ALL REINFORCING BARS SHALL BE NEW BILLET STEEL, DEFORMED TYPE, (ASTM A-615 GRADE 60) AND SHALL COMPLY WITH ACI CODE REQUIREMENTS.
- ALL REINFORCING BARS IN SLABS AND GRADE BEAMS SHALL BE EPOXY COATED.
- ALL WELDED WIRE MESH #9MMX SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185

- MINIMUM LENGTH OF SLAB REINFORCEMENT SHALL BE AS PER ACI BUILDING CODE.
- LENGTH OF REINFORCING SPLICES SHALL CONFORM TO ACI BUILDING CODE REQUIREMENTS.
- TOP STEEL IN BEAMS AT DISCONTINUOUS ENDS SHALL EXTEND INTO ADJACENT SLAB 40 BAR DIAMETERS OR A MINIMUM OF 2'-0" UNLESS GREATER EXTENSION IS CALLED FOR ON DRAWINGS.
- CONCRETE SHALL BE CURED WITH APPROVED METHODS FOR A MINIMUM OF SEVEN DAYS AFTER PLACEMENT.
- CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE AS FOLLOWS UNLESS INDICATED OTHERWISE ON DRAWINGS

SLABS	3/4"
BEAMS	1-1/2"
COLUMNS/PIERS	2"
CONCRETE PLACED ON GROUND	3"
- USE CHAIRS TO LOCATE & HOLD ALL REINFORCEMENT IN PLACE.
- PROVIDE 3/4" CHAMFER AT CORNERS OF ALL CONCRETE BEAMS AND COLUMNS EXCEPT AS DIRECTED BY ARCHITECT.
- GROUT FOR STEEL COLUMN BASES TO BE NON-SHRINKING MORTAR, OR APPROVED MANUFACTURED NON-SHRINK GROUT.
- SUBMIT SHOP DRAWINGS OF REINFORCING STEEL FOR REVIEW BEFORE FABRICATION.
- ALL CONCRETE WORK, INCLUDING CONCRETE, FORMS AND REINFORCEMENT SHALL BE INSPECTED AT THE WORK SITE BY QUALIFIED INSPECTORS. A RECORD SHALL BE KEPT OF SUCH INSPECTION WHICH SHALL COVER THE CERTIFICATION OF THE CONCRETE AS REQUIRED BY THE BUILDING CODE FOR THE PLACING OF THE CONCRETE, THE SLUMP, UNIT WEIGHT, AIR CONTENT OF THE CONCRETE, PLACING OF THE REINFORCING STEEL, THE SIZE AND DIMENSION OF THE CONCRETE MEMBERS AND REINFORCING, AND A COMPLETE RECORD OF ALL TEST SAMPLES AND RESULTS.
- THE PRODUCER OF CONCRETE SHALL USE MIX PROPORTIONS AND WATER CEMENT RATIOS WHICH HAVE BEEN SHOWN BY PREVIOUS TESTS TO PRODUCE SATISFACTORY CONCRETE OF THE REQUIRED STRENGTH AT A SLUMP OF 5 INCHES WITH A TOLERANCE OF PLUS OR MINUS 1 INCH. EACH LOAD OF CONCRETE SHALL BE CERTIFIED BY THE PRODUCER TO THE OWNER AS TO THE CONCRETE STRENGTH AND QUANTITIES PER CUBIC YARD OF EACH MATERIAL. A COPY OF SUCH CERTIFICATION SHALL BE READILY AVAILABLE TO THE BUILDING DEPARTMENT DURING THE PROGRESS OF THE WORK AND FOR TWO YEARS THEREAFTER.
- SAMPLES MUST BE TAKEN FROM MIXER AND TESTED FOR SLUMP, AIR CONTENT, TEMPERATURE, AND WEIGHT PER CUBIC FOOT AS PER 27-607. FOR EACH CLASS OF CONCRETE POURED EACH DAY FOUR (4) TEST CYLINDERS SHALL BE MADE FROM SAMPLING FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF. CYLINDERS SHALL BE CURED AND STORED AND TESTED AS REQUIRED BY THE NEW YORK STATE CODE.

PILE NOTES:

- PILES SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE 2020 NEW YORK STATE BUILDING CODE AND THE WRITTEN SPECIFICATIONS.
- LOGS OF SOIL BORINGS AND REPORTS MADE ON THE SITE FOR THE OWNER ARE AVAILABLE FOR EXAMINATION BY THE BIDDERS. BIDDERS MUST INTERPRET FOR THEMSELVES THE SOIL CONDITIONS UNDERLYING THE SURFACE OF THE GROUND. THE COUNTY ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS OF THE BORING INFORMATION AND MAKES NO REPRESENTATIONS REGARDING SUB-SURFACE CONDITIONS.
- PILES HAVE BEEN DESIGNED TO MEET THE REFERENCED CODE CRITERIA AND INSTALLATION SHALL INCLUDE COMPRESSIVE AXIAL LOAD TESTING.
- IF, IN THE OPINION OF THE INSPECTING ENGINEER, QUESTIONABLE CONDITIONS ARE ENCOUNTERED DURING INSTALLATION, PILE LOAD ADDITIONAL TESTING MAY BE REQUIRED.
- ALL PILES SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON CONTRACT DRAWINGS.
- THE PILE SHALL CONSIST OF 8.625" OUTER DIAMETER WITH A MINIMUM WALL THICKNESS OF 0.498", MINIMUM (45KSI) STEEL CONFORMING TO ASTM A252 SPECIFICATIONS.
- STEEL PILES SHALL BE FILLED WITH TREMIE-PIPE INSTALLED 4,000 PSI CONCRETE MIXTURE.
- PILES SHALL NOT BE INSTALLED WITHIN FOUR PILE DIAMETERS CENTER TO CENTER OF A PILE FILLED WITH GROUT LESS THAN 12 HOURS OLD.
- IF THE CONCRETE LEVEL IN ANY COMPLETED PILE DROPS DURING INSTALLATION OF AN ADJACENT PILE, THE PILE SHALL BE REPLACED.
- IF PILE LOAD TESTING IS REQUIRED, PILES MAY BE TESTED MINIMUM 7 DAYS AFTER GROUT PLACEMENT.
- THE REQUIRED PILES SHALL BE TESTED PER PROCEDURE AND DETAILS IN THE APPROVED PILE LOAD TEST, IN COMPLIANCE WITH NYS BUILDING CODE.
- ALL PILES SHALL BE INSTALLED UNDER THE CONTINUOUS DIRECT SUPERVISION OF A NYS LICENSED PROFESSIONAL ENGINEER KNOWNLEDGEABLE IN GEOTECHNICAL AND PILE FOUNDATIONS. THIS PROFESSIONAL SHALL BE RETAINED AND COMPENSATED BY THE PILE FOUNDATION SUBCONTRACTOR. THIS PROFESSIONAL SHALL CERTIFY THAT THE PILES WERE INSTALLED IN COMPLIANCE WITH THE APPROVED DOCUMENTS AND OR SHOP DRAWINGS.
- SIGNED AND SEALED DRIVING RECORDS SHALL BE SUBMITTED BY A PROFESSIONAL ENGINEER LICENSED IN NEW YORK SHOWING THE PENETRATION, LENGTH OF PILE, AND ALL OTHER PERTINENT DATA, AND CERTIFYING THAT THE PILES HAVE BEEN DRIVEN TO THE PROPER BEARING CAPACITY.
- PILE SUB-CONTRACTOR MAY PROVIDE SUBSTITUTE DESIGN FOR CONCRETE PROVIDED CALCULATIONS AND DRAWINGS PREPARED AND SIGNED & SEALED BY A NYS LICENSED ENGINEER ARE SUBMITTED FOR APPROVAL PRIOR TO ANY PURCHASE / FABRICATION / INSTALLATION OF PILES. SUBSTITUTE DESIGNS MUST DEMONSTRATE PILE CAPACITY OF AT LEAST THE DESIGN CAPACITY REQUIREMENTS LISTED IN THESE DRAWINGS.

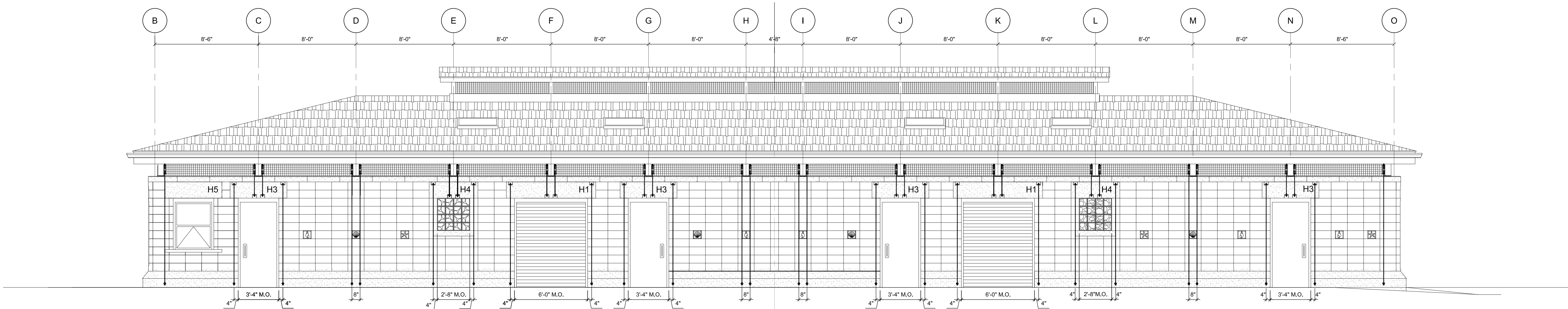
PILE LOAD TESTING NOTES

- PILES SHALL BE TESTED IN COMPLIANCE WITH THE 2020 NEW YORK STATE BUILDING CODE AND THE SPECIFICATIONS.
- SACRIFICIAL NON-PRODUCTION PILES SHALL BE USED FOR ALL LOAD TESTS.
- PERFORM AXIAL COMPRESSIVE LOAD TESTS ON TWO(2) PILES.
- RESULTS OF COMPRESSIVE LOAD TESTS SHALL BE SUFFICIENT TO VERIFY TENSION AND LATERAL CAPACITIES.
- MICROPILE INSTALLATION CONTRACTOR SHALL PROVIDE A DETAILED DESIGN FOR THE LOAD TESTING PROCEDURES, INCLUDING

5.1.	LOAD TEST LOCATIONS
5.2.	OUTER CASING
5.3.	CONSTRUCTION DETAILS FOR THE LOAD TEST FRAME AND REACTION PILES.
5.4.	LOAD AND MONITORING PROCEDURES.
5.5.	RECOMMENDED EVALUATION PROCEDURES.
- USE AN INDEPENDENT, CALIBRATED LOAD CELL ON THE MICROPILE HEAD TO MEASURE LOAD.
- THE CONTRACTOR'S DETAILED PROCEDURES AND DESIGNS MUST BE SIGNED AND SEALED BY A NYS LICENSED PROFESSIONAL ENGINEER.

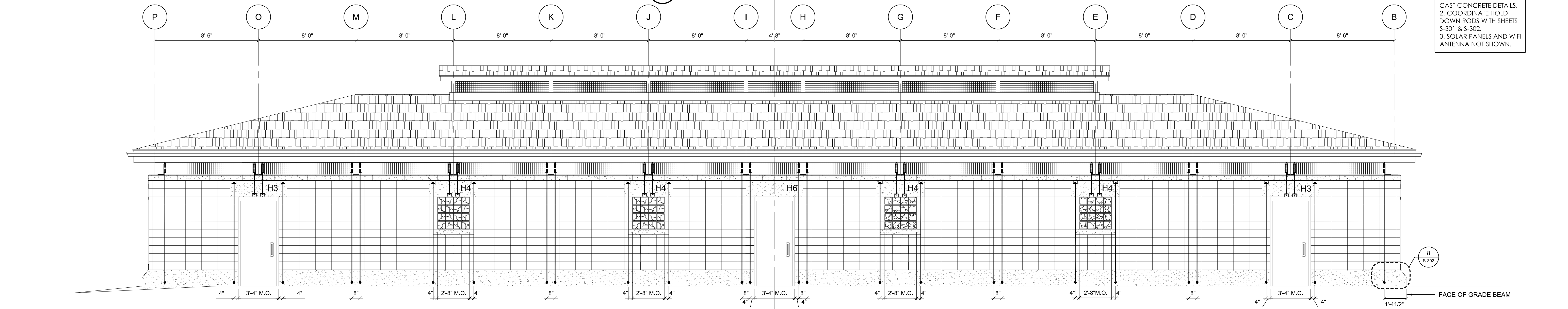
STRUCTURAL DESIGN CRITERIA

APPLICABLE CODE:	NEW YORK STATE BUILDING CODE 2020	
RISK CATEGORY (BATHHOUSE & PICNIC SHELTER)		II
TERRAIN CATEGORY	D	
ROOF DEAD LOADS:		
ROOFING (ALLOW)		6 PSF
ROOF DECK		3 PSF
JOISTS		3 PSF
ROOF LIVE LOAD:		
DESIGN ROOF LOAD:		20 PSF
ROOF SNOW LOAD:		
GROUND SNOW LOAD:		30 PSF
SNOW LOAD:		21 PSF
SNOW EXPOSURE FACTOR (Ce):		0.8
SNOW IMPORTANCE FACTOR (Is)		1.0
THERMAL FACTOR (Ci):1.2		
BATHHOUSE FLOOR (STRUCTUARL SLAB):		
LIVE LOAD:		
DESIGN LIVE LOAD:		75 PSF
DEAD LOAD:	NEW 8" SLAB EXIST 8" SLAB	97 PSF 97 PSF
WIND LOAD:		
BASIC WIND SPEED:		115 MPH
WIND IMPORTANCE FACTOR (Iw):		1.0
WIND EXPOSURE:		II
INTERNAL PRESSURE COEFFICIENT (OPEN BLDGS):		0
EARTHQUAKE:		
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE		

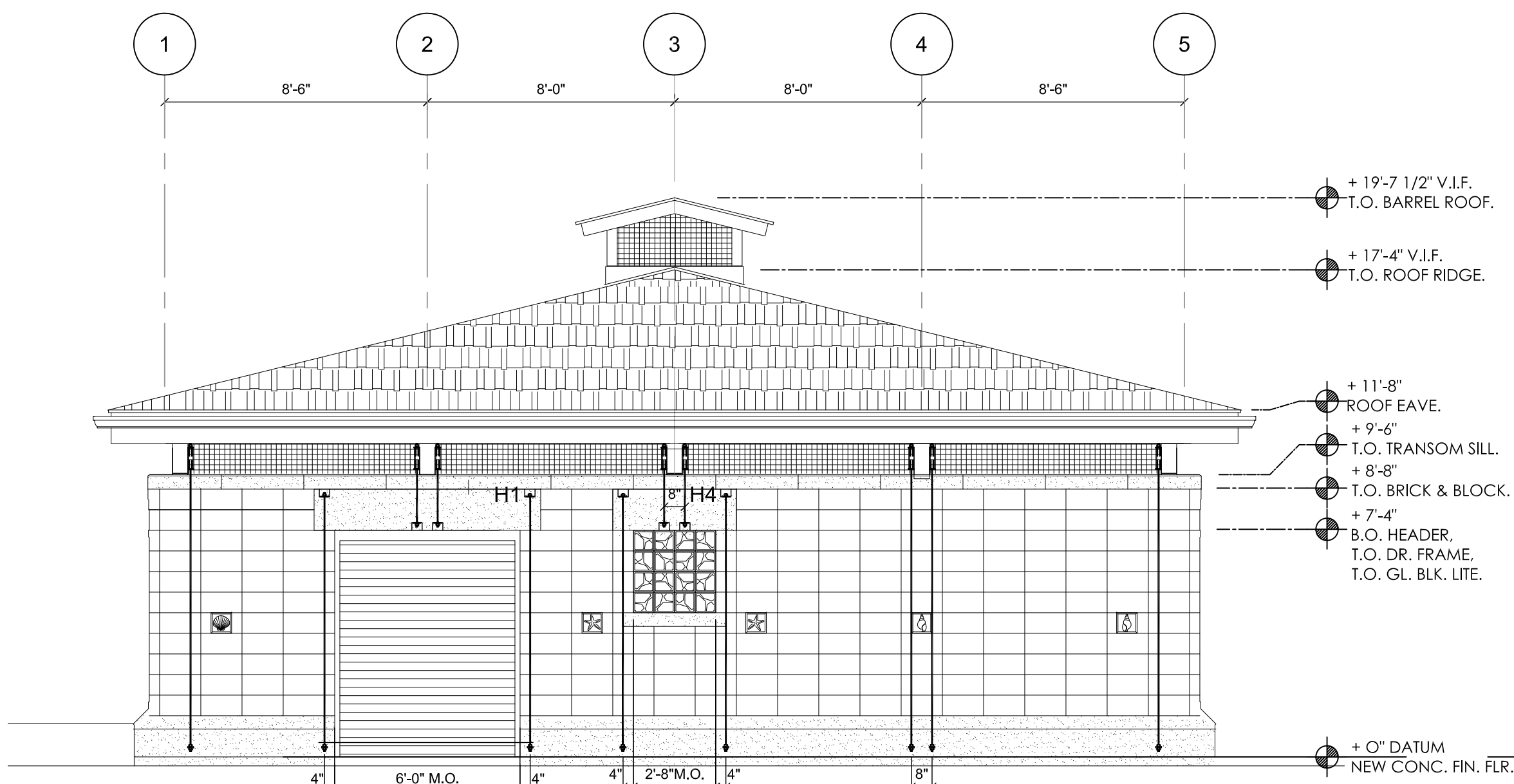


1 BATHHOUSE - NORTH ELEVATION
1/4" = 1'-0"

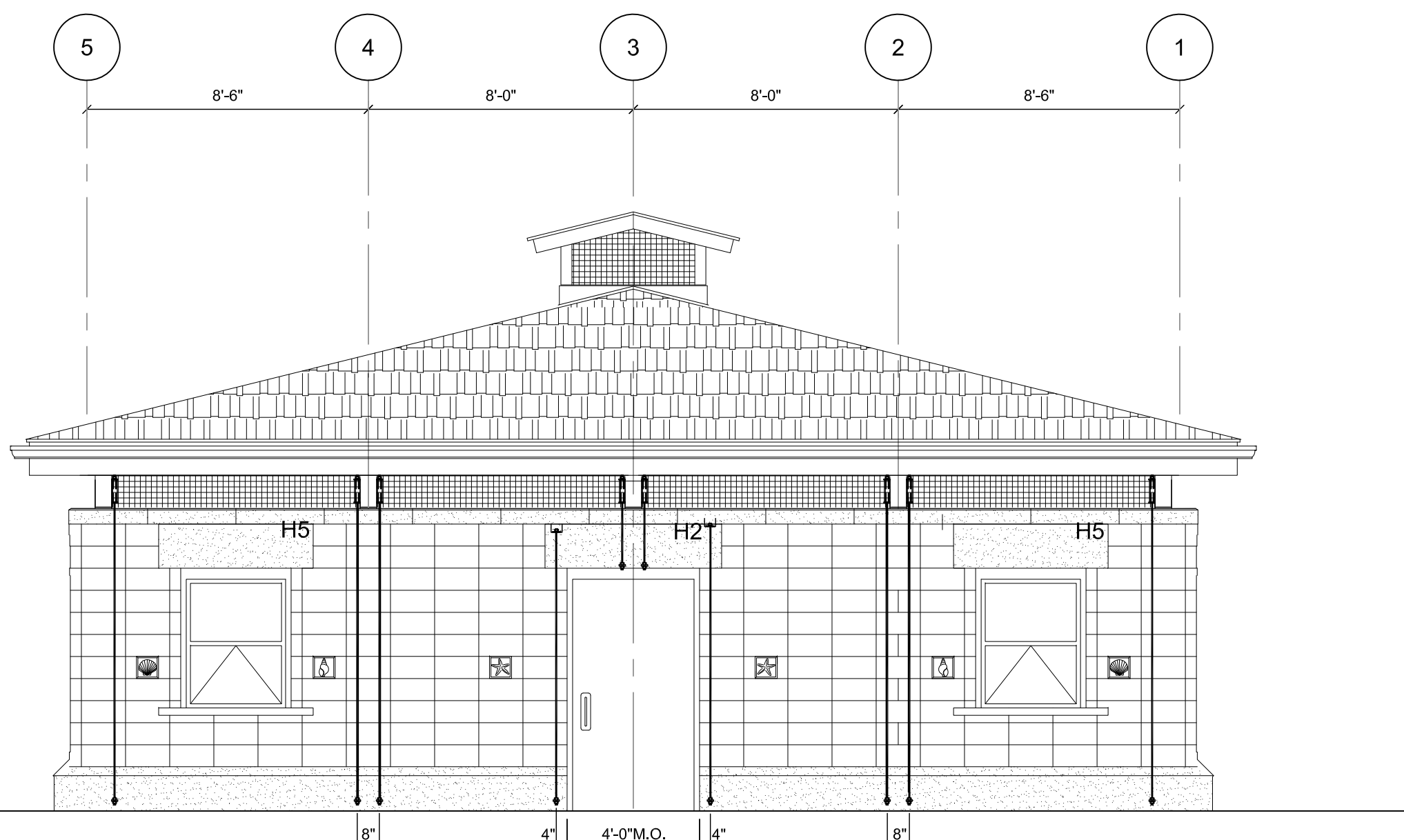
NOTE:
1. SEE DRAWING S-303 FOR
CAST CONCRETE DETAILS.
2. COORDINATE HOLD
DOWN RODS WITH SHEETS
S-301 & S-302.
3. SOLAR PANELS AND WIFI
ANTENNA NOT SHOWN.



2 BATHHOUSE - SOUTH ELEVATION
1/4" = 1'-0"



3 BATHHOUSE - WEST ELEVATION
1/4" = 1'-0"



4 BATHHOUSE - EAST ELEVATION
1/4" = 1'-0"

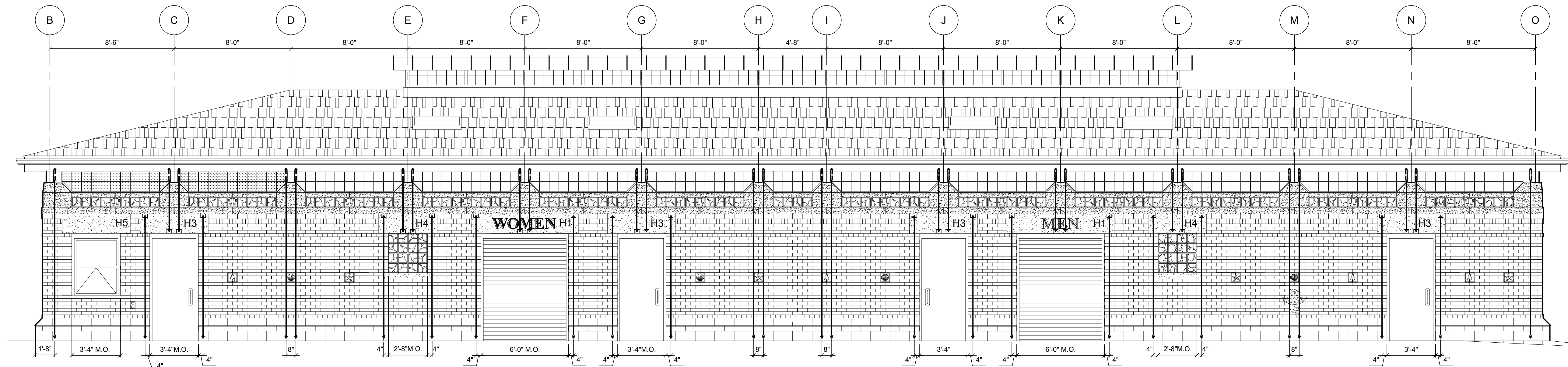
HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
235 Mamaroneck Avenue
White Plains, NY 10605
Phone: 914.428.0909
H&M JOB NO. 20.4177

STATE OF NEW YORK
KEVIN J. MILEY
LICENSED PROFESSIONAL ENGINEER
NO. 060391-4

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED				
<input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME		NAME		
SIGNATURE		SIGNATURE		
TITLE		TITLE		
DATE		DATE		
WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER		
DEPARTMENT OF PUBLIC WORKS		15-553		
AND TRANSPORTATION		SHEET NUMBER		
DIVISION OF ENGINEERING		29 OF 53		
NEW BATHHOUSE FACILITY		SCALE: AS SHOWN		
CROTON POINT PARK		DATE: 06 / 18 / 2021		
CROTON-ON-HUDSON, NEW YORK		DPW FILE NO.		
STRUCTURAL ELEVATIONS - BASE BID		2-02-S-73-0		
		REV. NO.		
		0		

IN CHARGE OF: K. MILEY
CHECKED BY: K. MILEY
MADE BY: T. RAYHO

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



NOTE:
1. SEE DRAWING S-303 FOR
CAST CONCRETE DETAILS.
2. COORDINATE HOLD
DOWN RODS WITH SHEETS
S-301 & S-302.
3. SOLAR PANELS AND WIFI
ANTENNA NOT SHOWN.

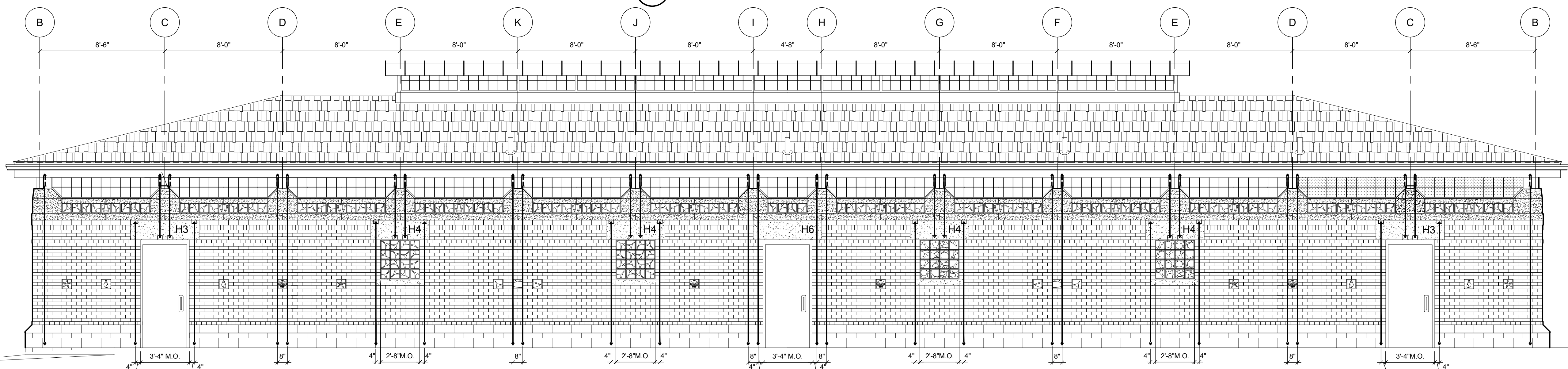
ALTERNATE # 3:

CURVED METAL BARREL ROOF.
STEEL TUBE FRAMED MONITOR
STRUCTURE & CROSS BRACES.
STANDING SEAM METAL ROOF.
STEEL FRAMED GRILLES & RODS
WITH BIRD & INSECT SCREENS.

[OMIT BASE BID WOOD FRAMED
ROOF MONITOR, WOOD DECK &
ASPHALT SHINGLES.]

1 BATHHOUSE - NORTH ELEVATION

1/4" = 1'-0"



ALTERNATE # 2:

HIGH TRANSOM & GLASS BLOCK;
HIGH CAST STONE BEARING BLOCKS.
COLORED GLASS BLOCK BAND.
CAST STONE GLASS BLOCK HEAD.
6" HIGH CAST STONE SILL ATOP
STRUCTURAL EXTERIOR WALLS.

VENTILATION BAND:
STEEL FRAMED GRILLES & RODS
WITH BIRD & INSECT SCREENS.

ALTERNATE # 1:

EXTERIOR STRUCTURAL WALLS:
8" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS & 4" BRICK VENEER.

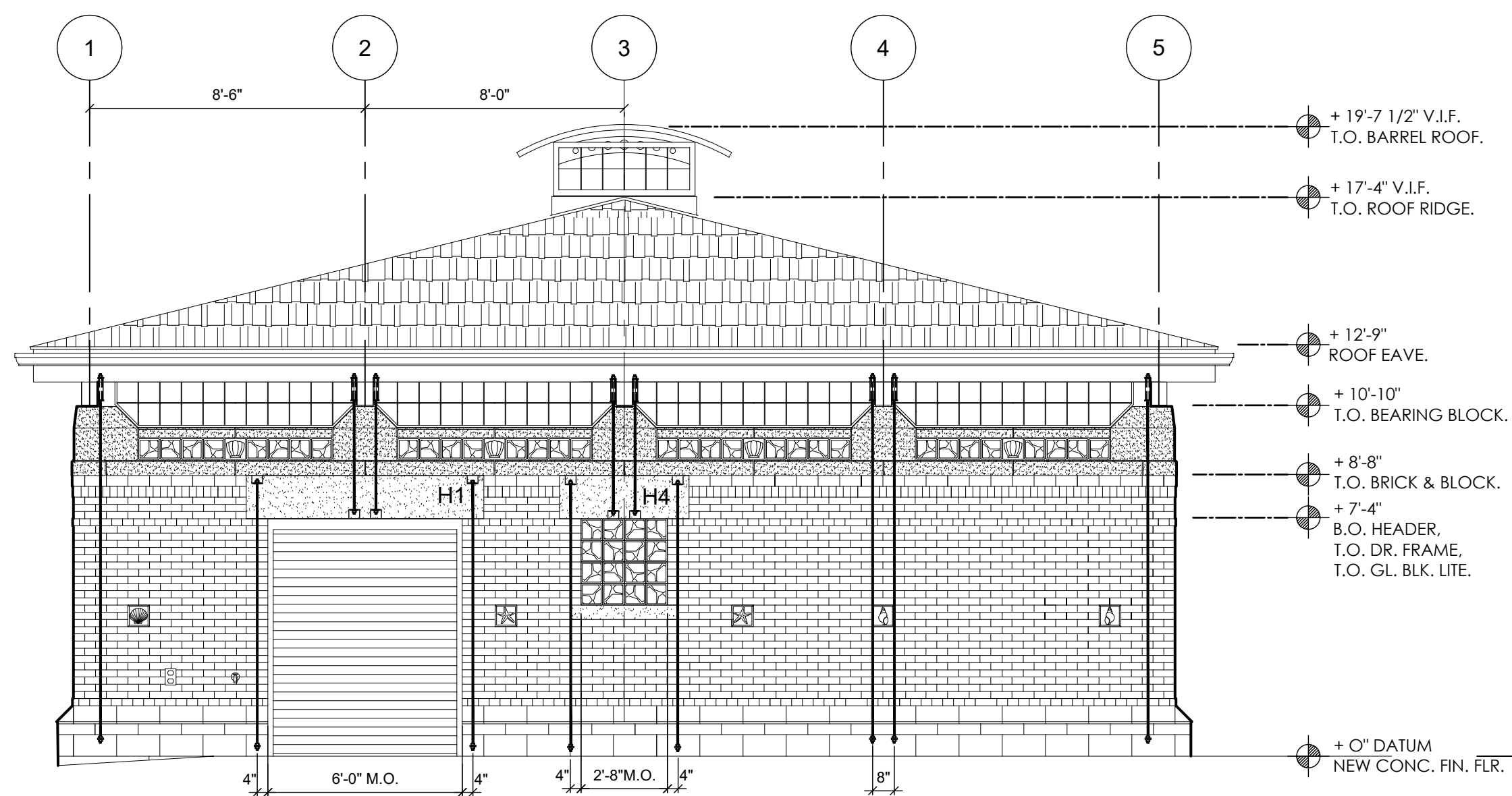
[OMIT BASE BID 12" CONC. BLOCK
STRUCT. EXT. WALLS - SPLIT FACE.]
[BLOCK FILLER & EPOXY PAINT AT
INTERIOR SURFACES REMAINS.]

ALTERNATE # 4:

BASE GRADE BEAM STONE CLADDING.
MODULAR 1" THICK VENEER CLADDING
ONTO CONC. STRUCTURAL BASE
GRADE BEAM.

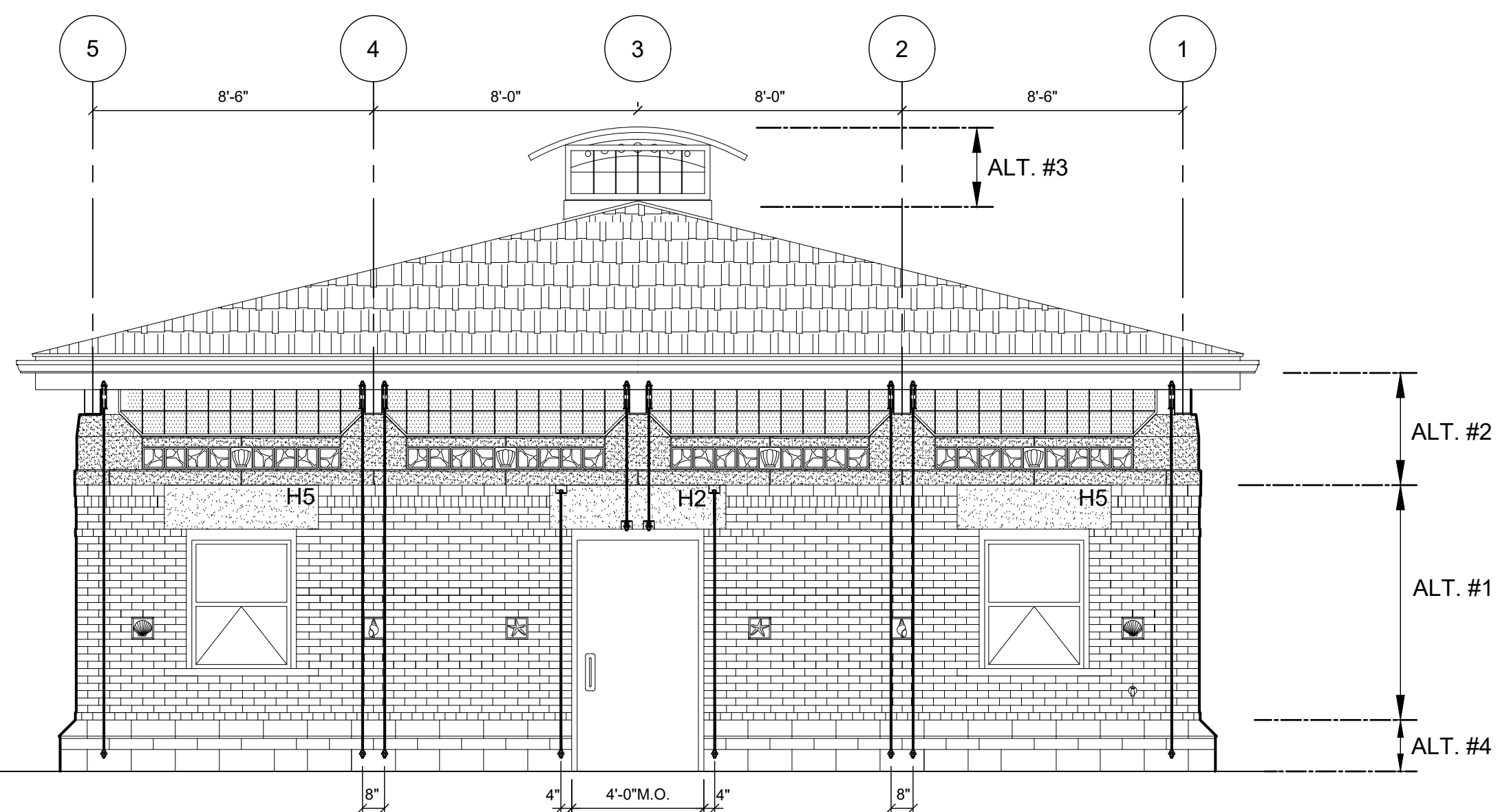
2 BATHHOUSE - SOUTH ELEVATION

1/4" = 1'-0"



3 BATHHOUSE - WEST ELEVATION

1/4" = 1'-0"



4 BATHHOUSE - EAST ELEVATION

1/4" = 1'-0"

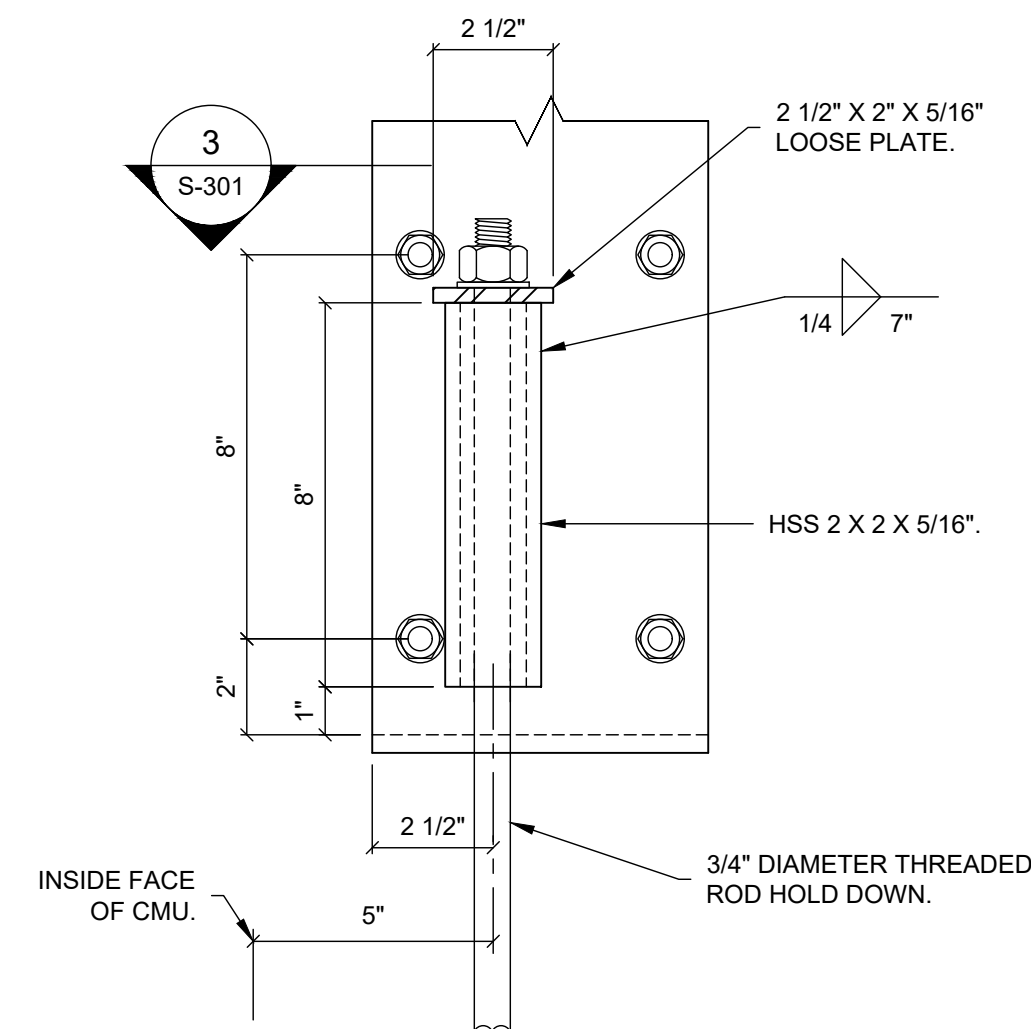
IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN
ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL
ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED,
THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE
NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF
SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IN CHARGE OF: K. MILEY
CHECKED BY: K. MILEY
MADE BY: T. RAYHO

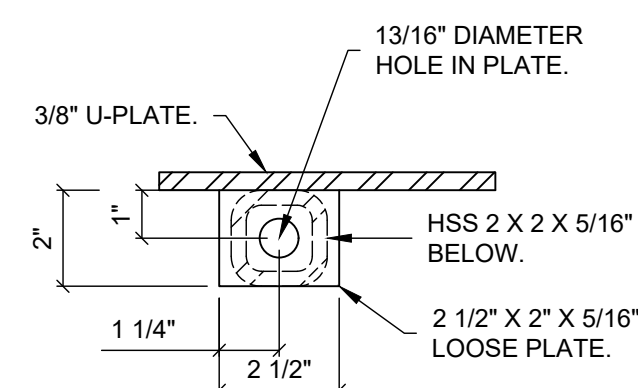
HILLMAN & MILEY
CONSULTING ENGINEERS P.L.C.
235 Mamaroneck Avenue
White Plains, NY 10605
Phone: 914.428.0999
H&M JOB NO. 20.4177

STATE OF NEW YORK
SEAL OF KEVIN J. MILEY
NO. 060391-4
LICENSED PROFESSIONAL ENGINEER

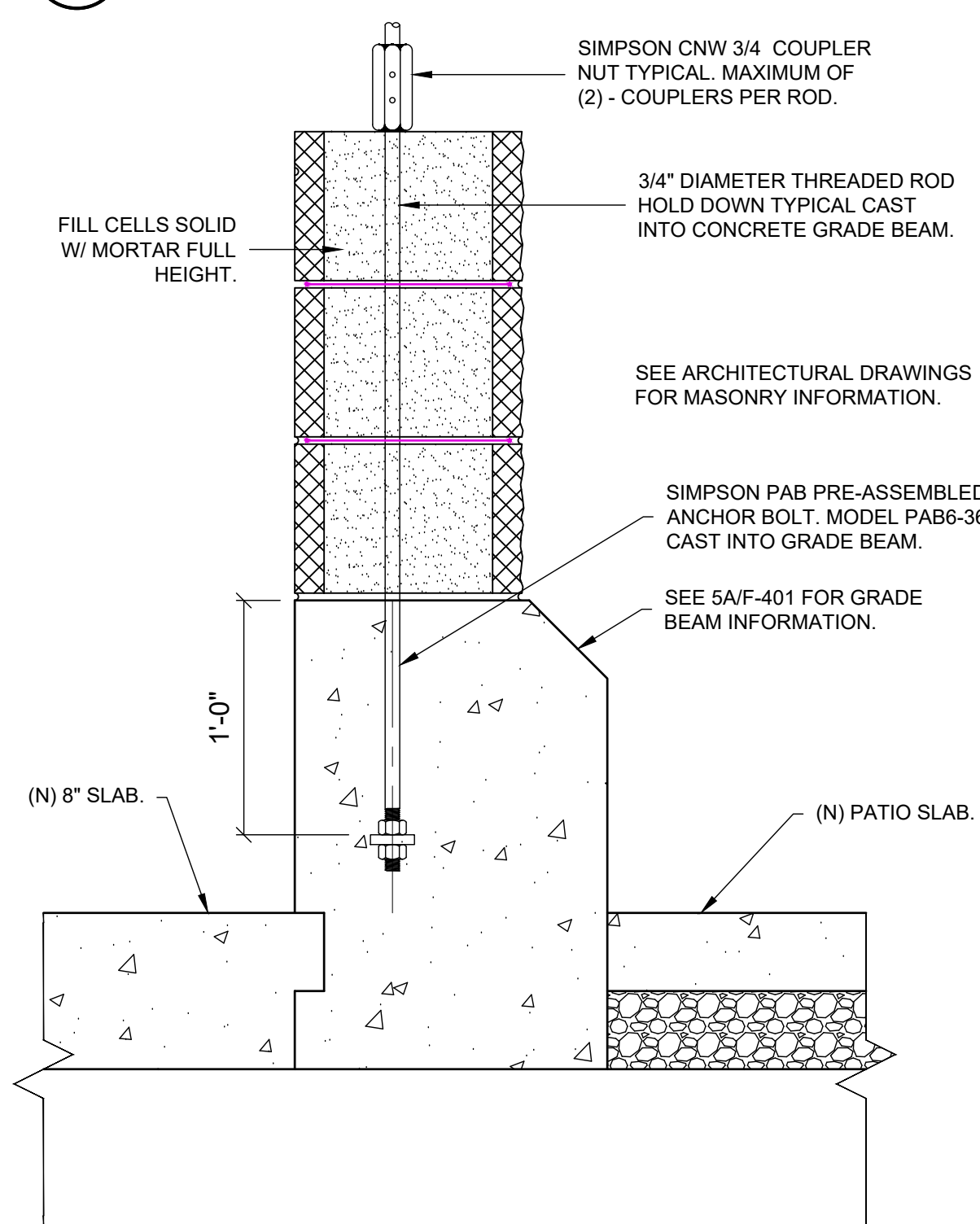
REVISION	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME		NAME		
SIGNATURE		SIGNATURE		
TITLE		TITLE		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NEW YORK STRUCTURAL ELEVATIONS - ALTERNATES		
CONTRACT NUMBER 15-553		SHEET NUMBER S - 202		
SHEET NO. 30 OF 53		SCALE: AS SHOWN DATE: 06/18/2021		
DPW FILE NO. 2-02-S-74-0		REV. NO. 0		



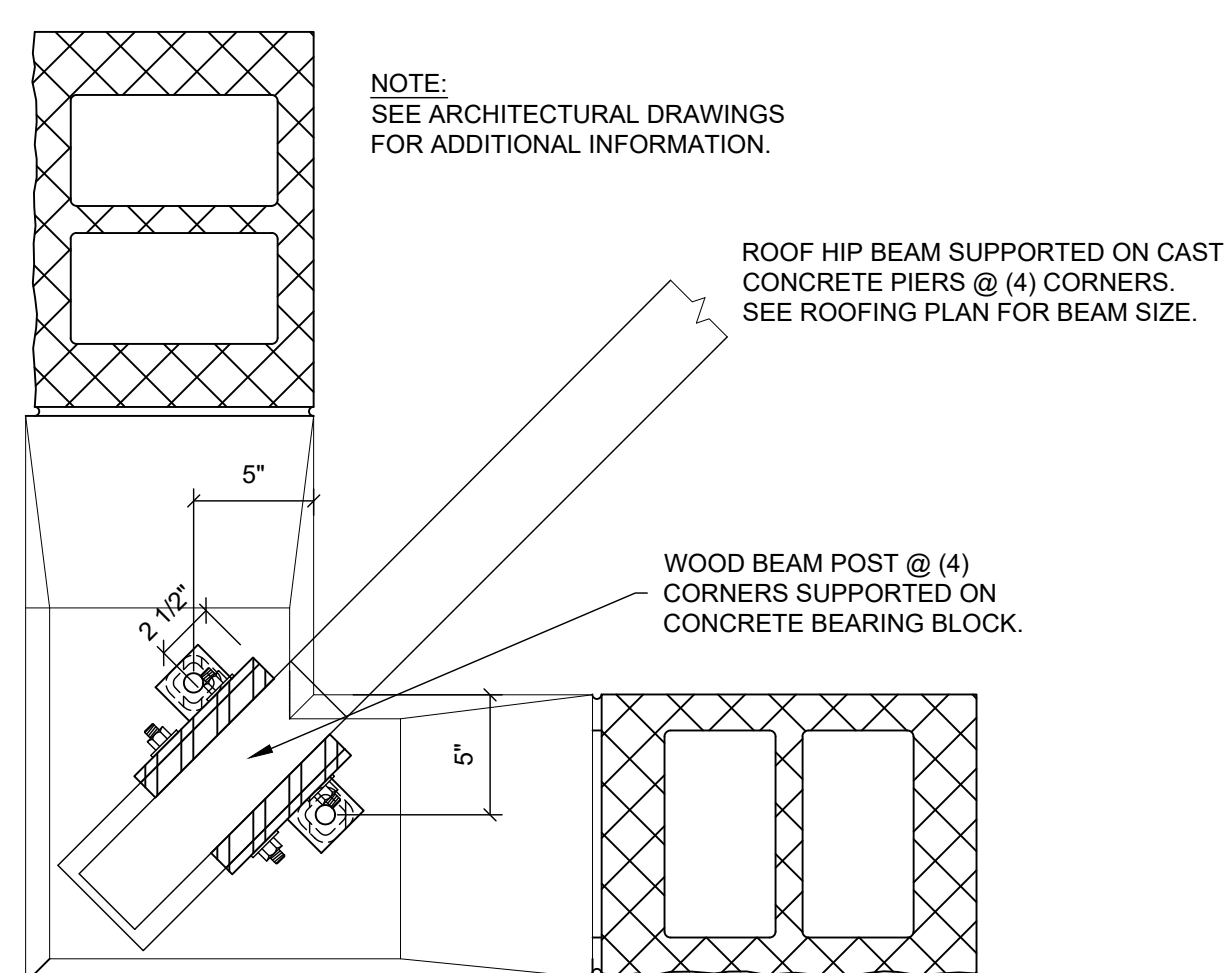
2 DETAIL HSS CONNECTOR HOLD DOWN
3" = 1'-0"



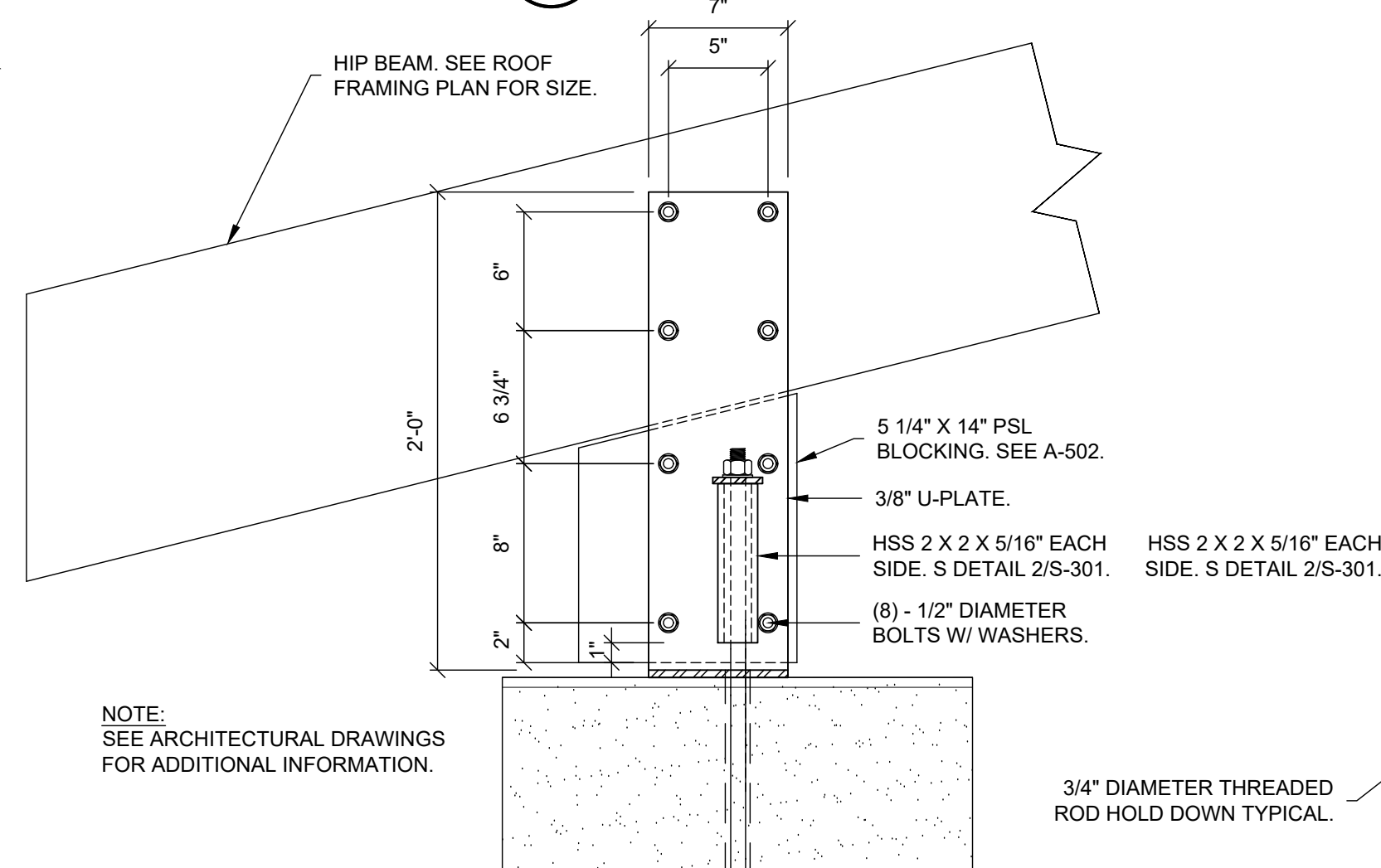
3 PLAN HSS CONNECTOR HOLD DOWN
3" = 1'-0"



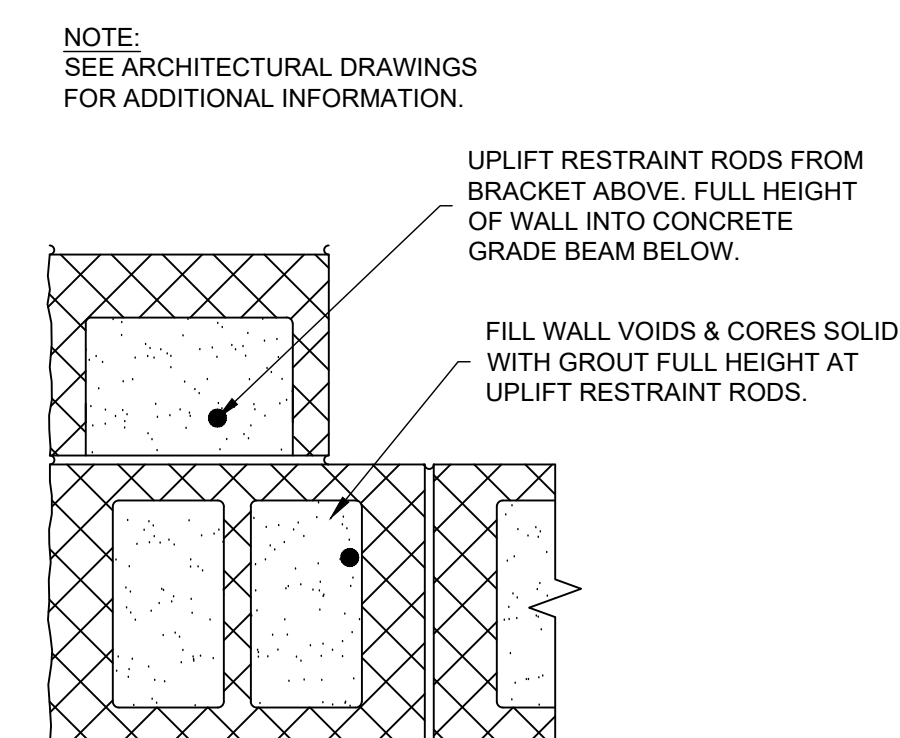
8 SECTION HOLD DOWN @ GRADE BEAM
1 1/2" = 1'-0"



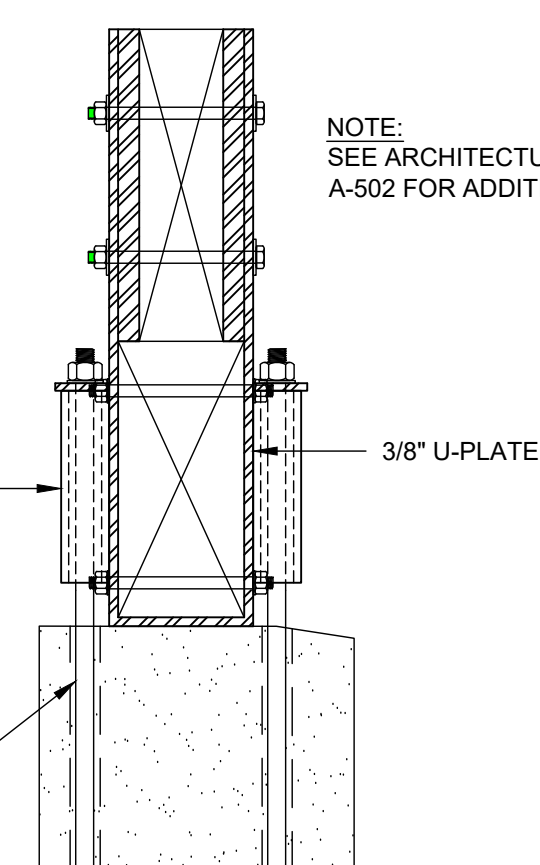
10 PLAN CORNER BLOCK @ ROOF
1 1/2" = 1'-0"



9 CORNER BLOCK RESTRAINT BRACKETS
1 1/2" = 1'-0"



12 PLAN CORNER RESTRAINT RODS
1 1/2" = 1'-0"

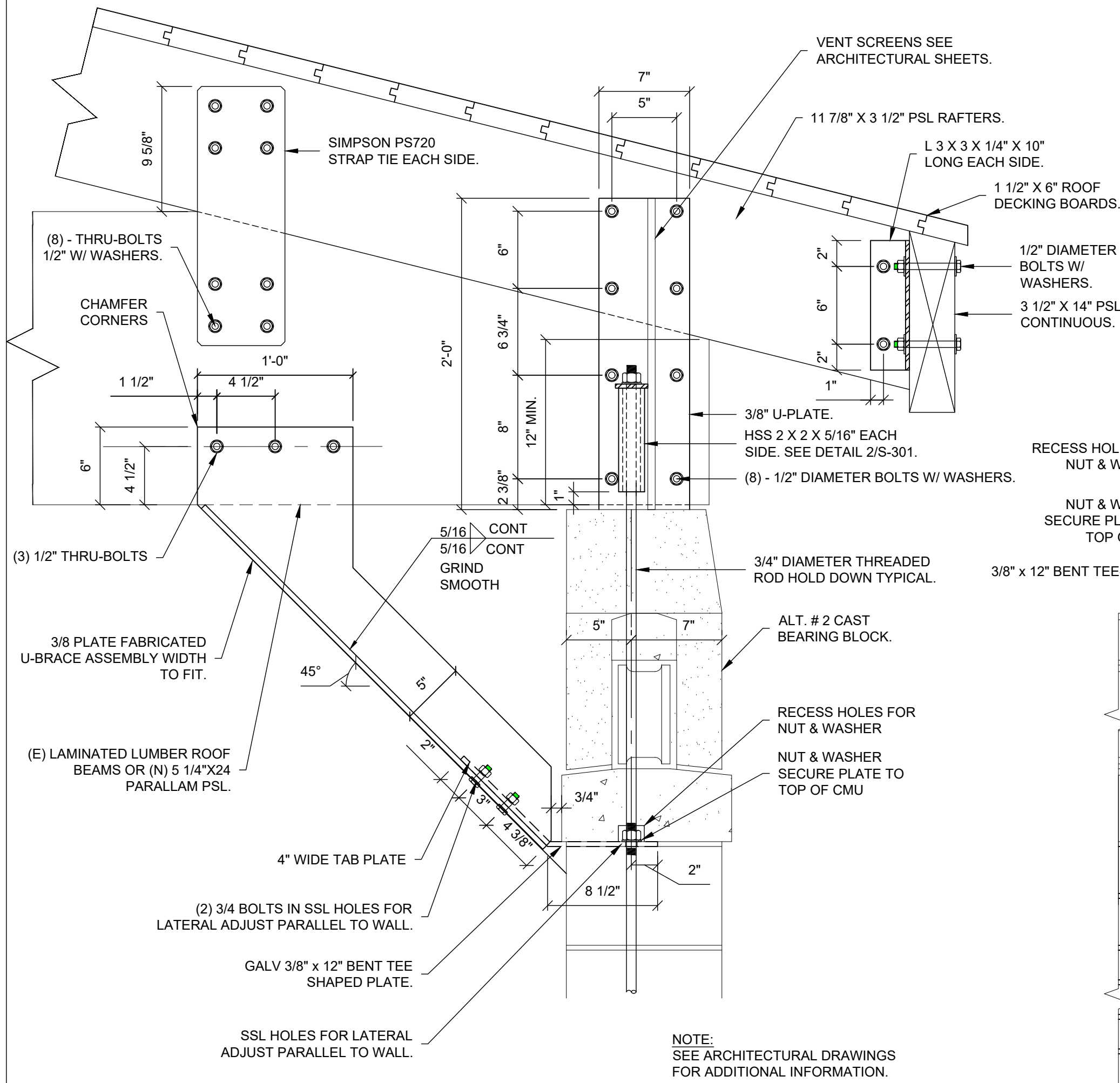


11 CORNER BRACKETS END VIEW

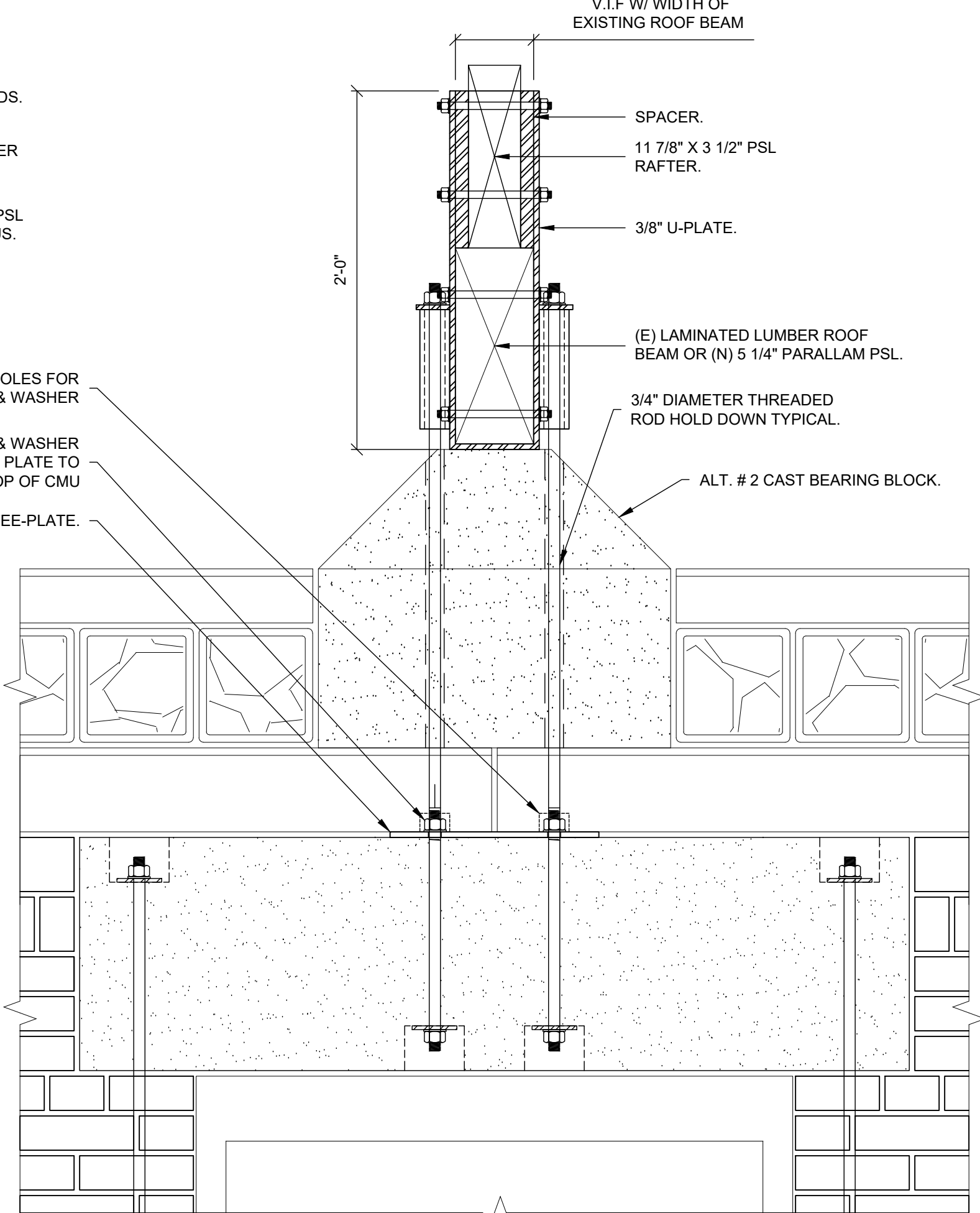


The logo for Hillman & Miley Consulting Engineers PLLC features a stylized illustration of a globe on a tilted axis, with a small figure of a person standing on the axis. To the right of this illustration is the company name "HILLMAN & MILEY" in a large, bold, serif font, with "CONSULTING ENGINEERS PLLC" in a smaller, sans-serif font below it. Further down, the address "235 Mamaroneck Avenue", "White Plains, NY 10605", and phone number "Phone: 914.428.0909" are listed. At the bottom left is the project identifier "H&M JOB NO. 20.4177". On the right side of the logo area is a circular professional engineer seal for the State of New York. The seal contains the text "STATE OF NEW YORK" at the top, "JOHN J. MILEY" in the center, and "LICENSED PROFESSIONAL ENGINEER" at the bottom. A handwritten signature, "John J. Miley", is written across the seal. The number "NO. 060391" is also visible within the seal.

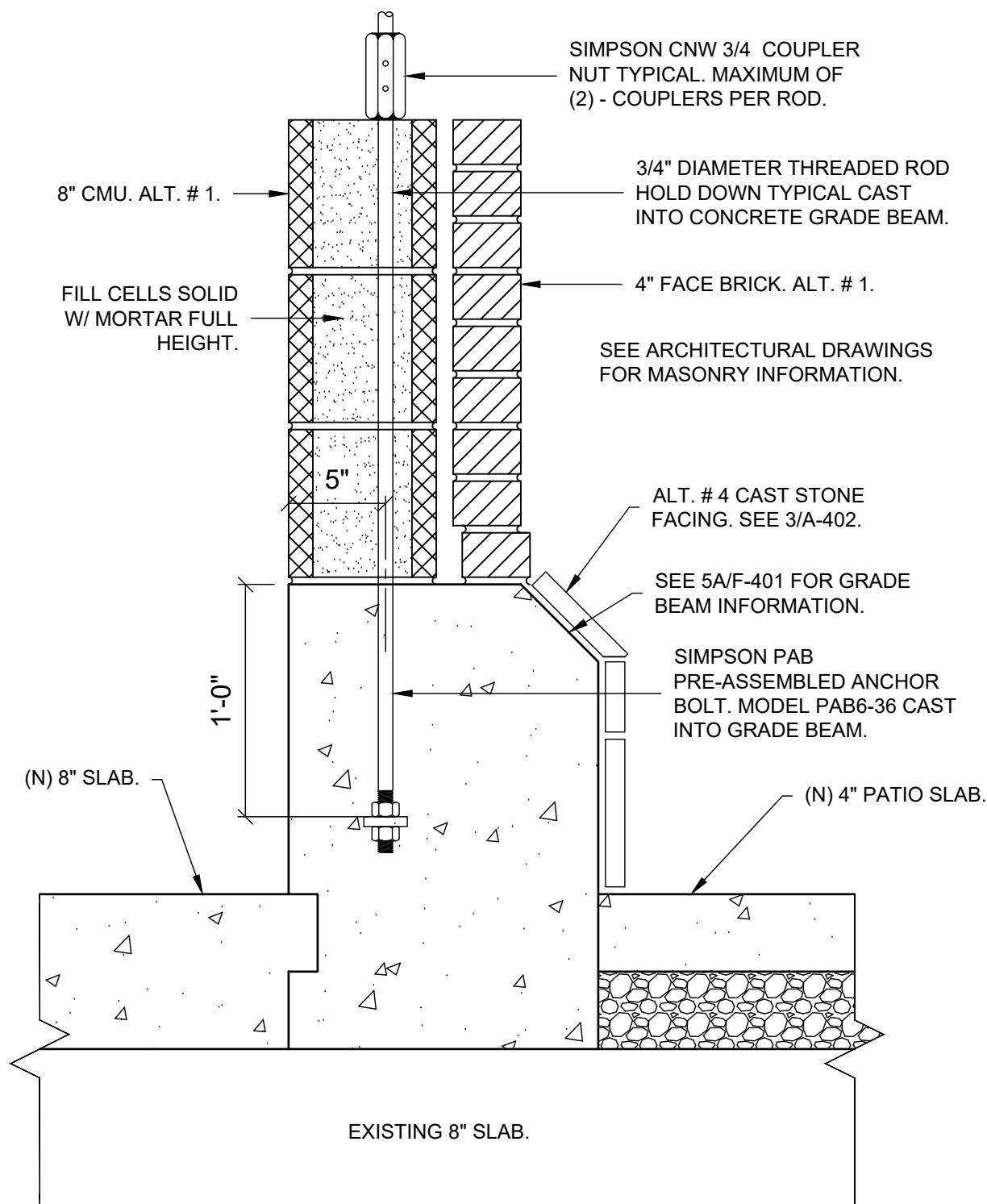
					PLAN NO.: 20-77
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT – CHANGES AS NOTED					
<input type="checkbox"/> AS BUILT – NO CHANGES					
NAME _____ SIGNATURE _____ TITLE _____ DATE _____			PROJECT COORDINATOR NAME _____ SIGNATURE _____ TITLE _____ DATE _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553	SHEET NUMBER S - 301
				SHEET NO. 31 OF 53	
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NEW YORK SECTIONS & DETAILS				SCALE: AS SHOWN DATE: 06/18/2021	
				DPW FILE NO. 2-02-S-75-0	REV NO.



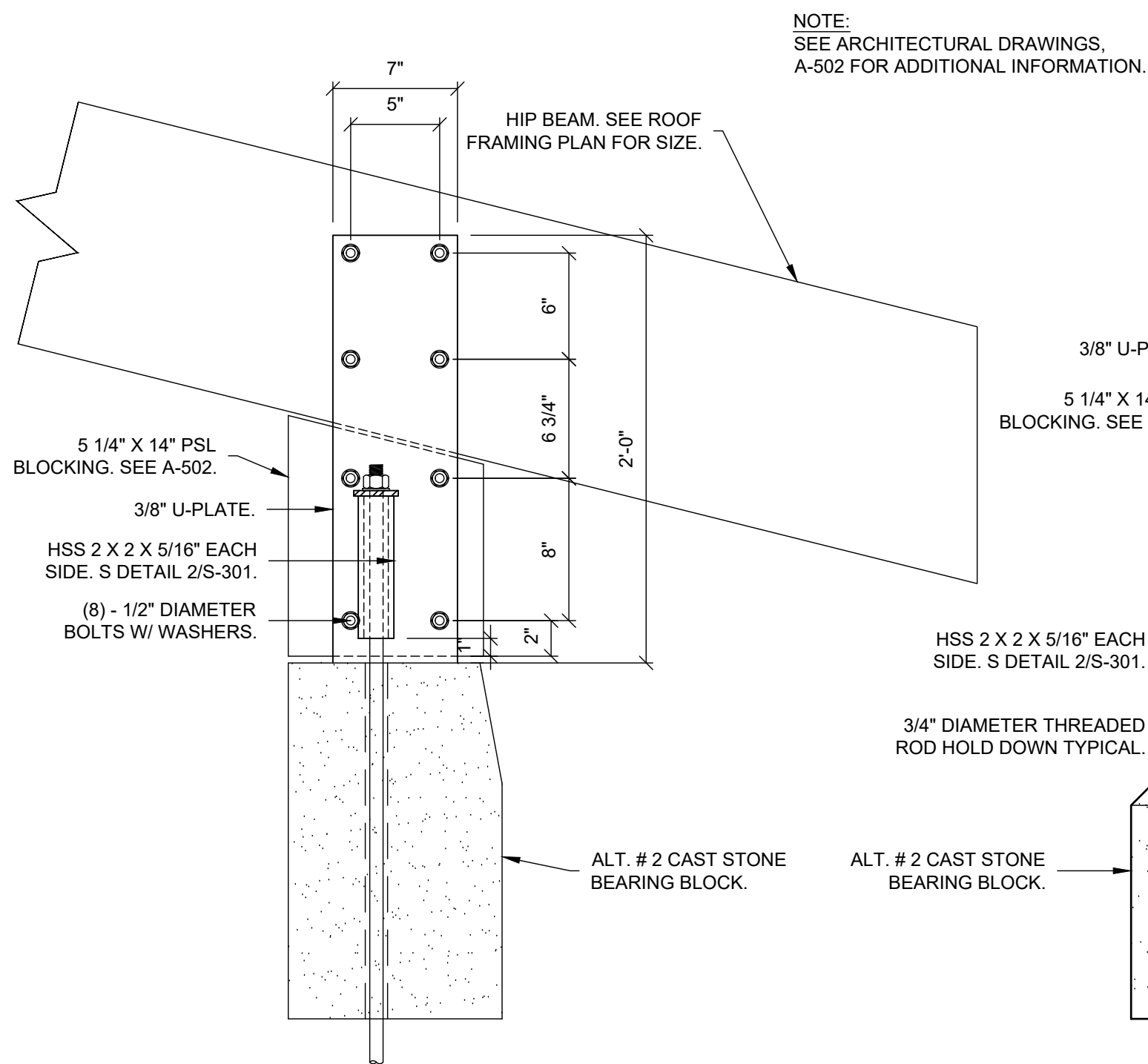
1 SECTION HOLD DOWN @ ROOF BEAM ALT. # 2
1 1/2" = 1'-0"



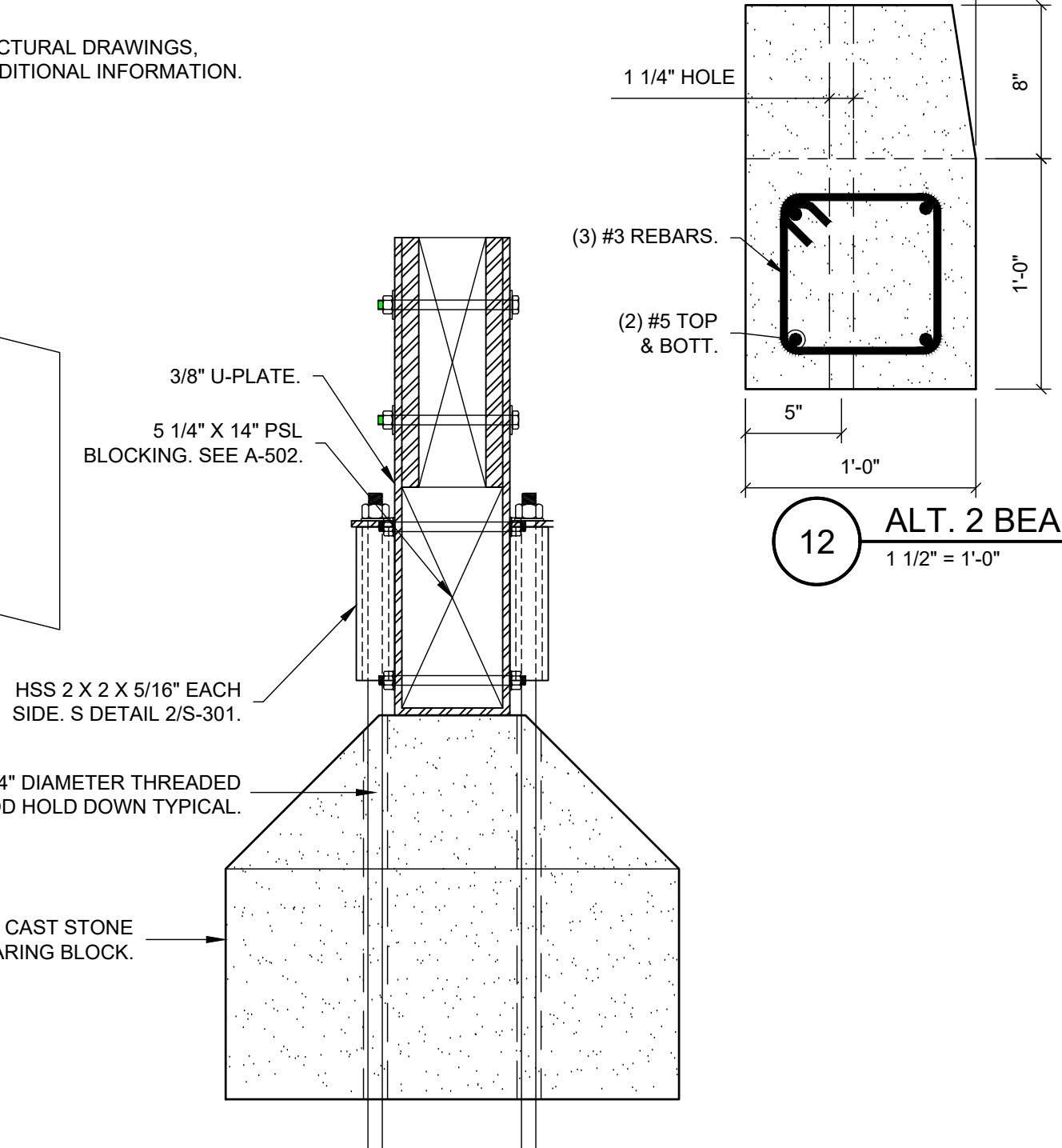
4 ELEVATION HOLD DOWN @ ROOF BEAM @ M.O. ALT. # 2
1 1/2" = 1'-0"



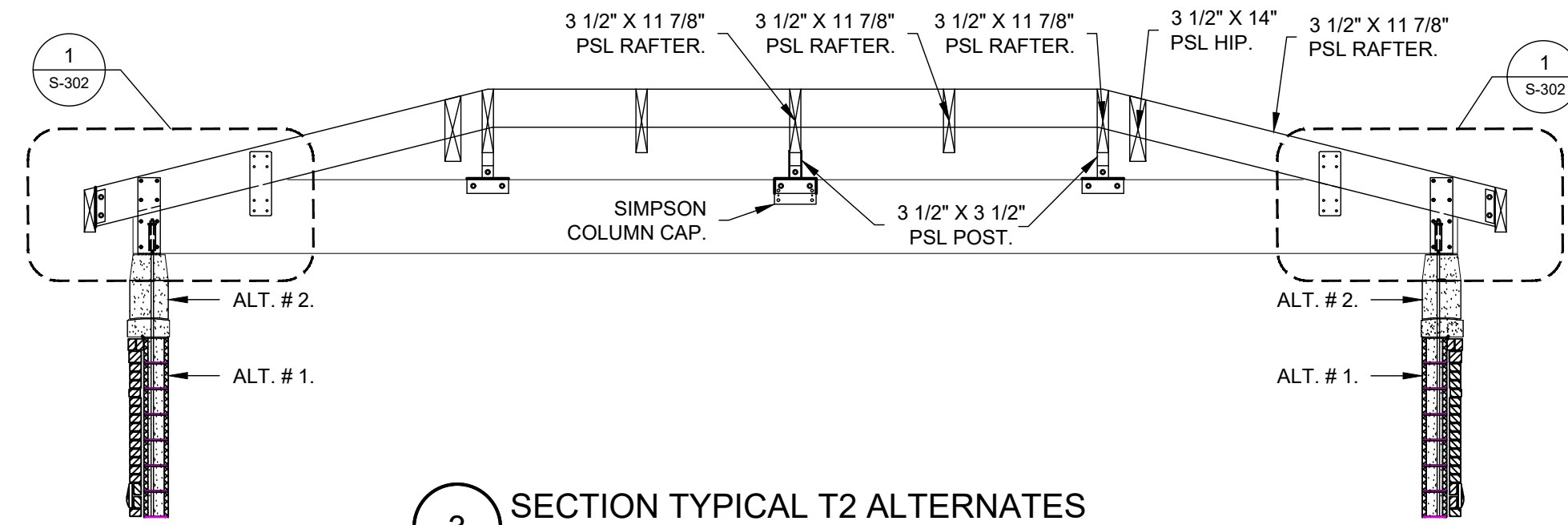
8 SECTION HOLD DOWN @ GRADE BEAM ALT. # 1 & # 4
1 1/2" = 1'-0"



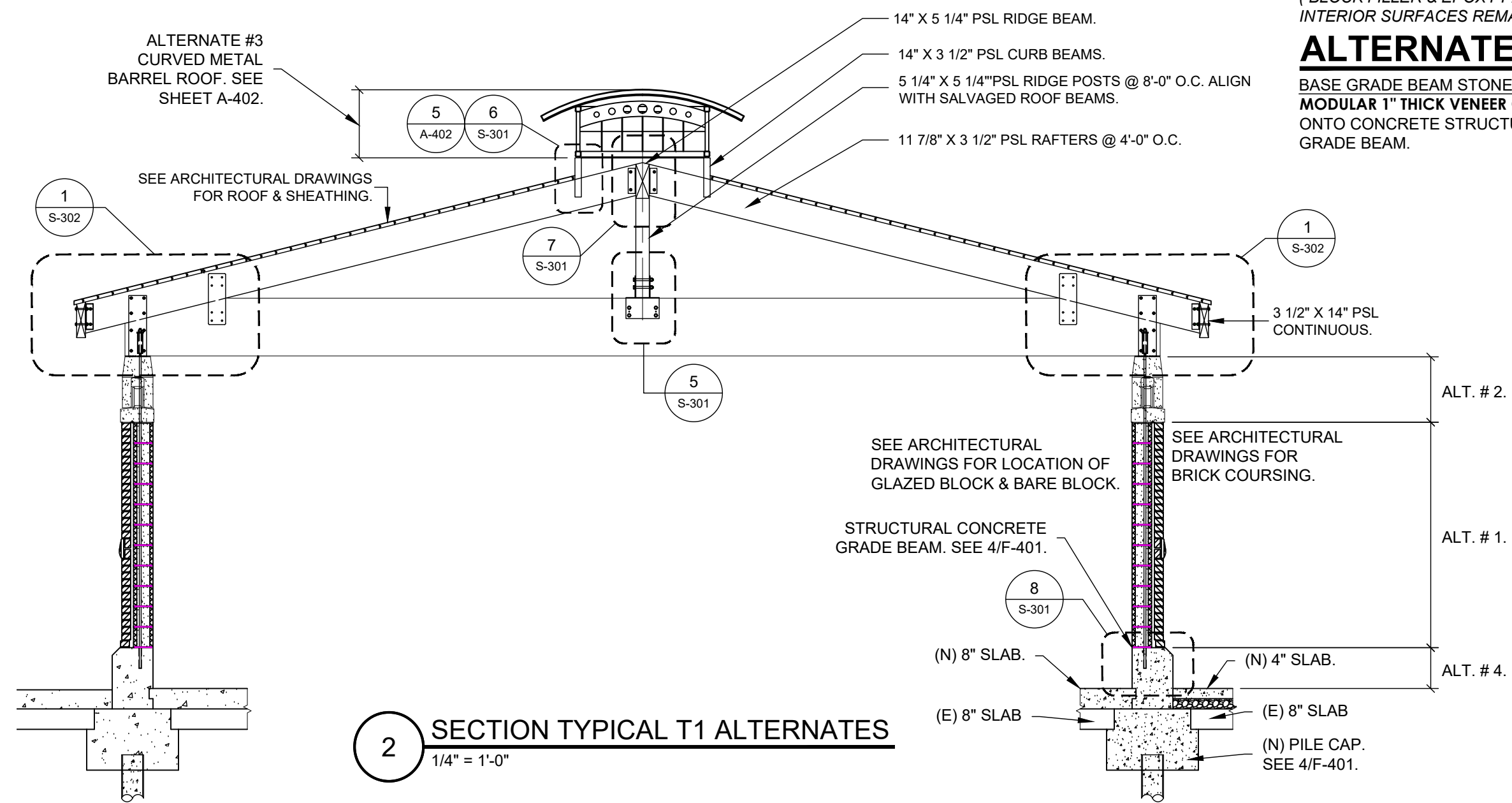
9 CORNER BLOCK RESTRAINT BRACKETS ALT. # 2
1 1/2" = 1'-0"



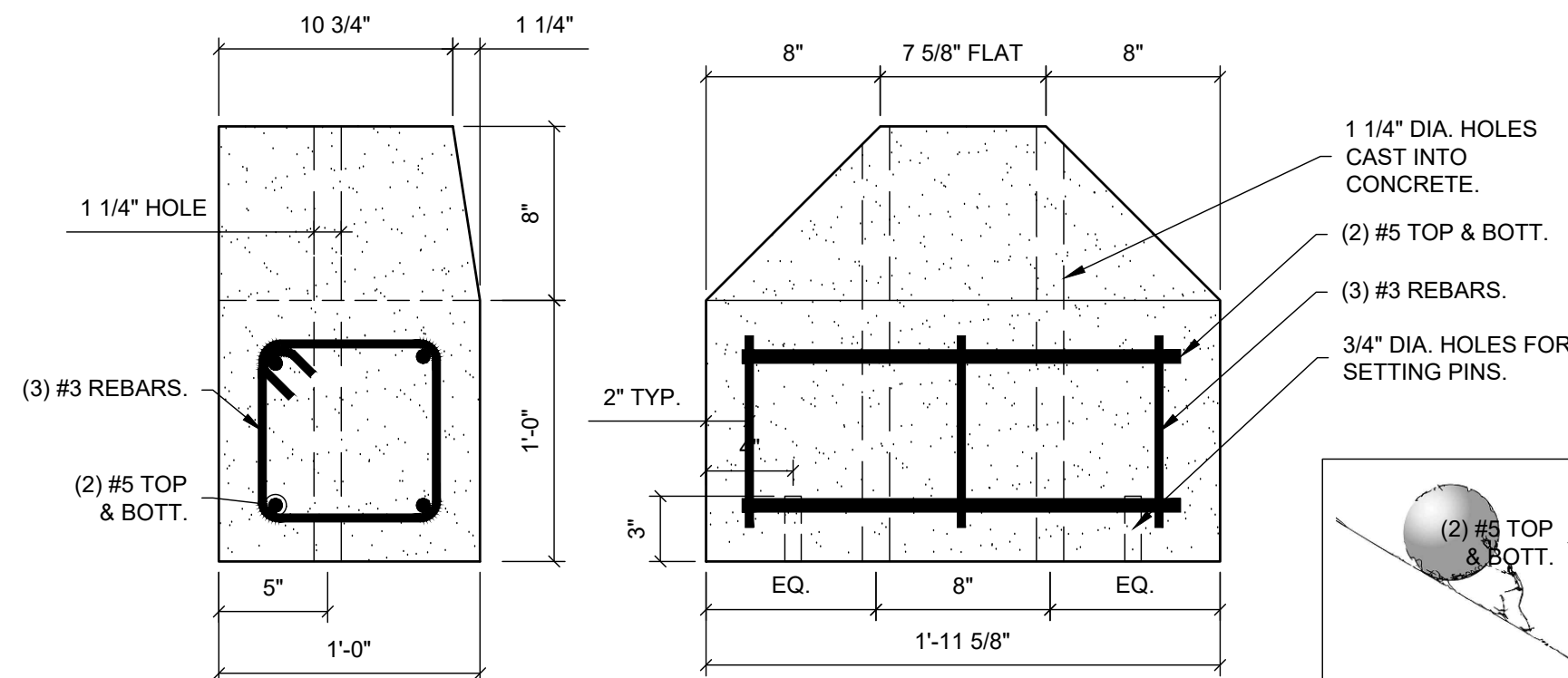
11 CORNER BLOCK RESTRAINT BRACKETS ALT. # 2
1 1/2" = 1'-0"



3 SECTION TYPICAL T2 ALTERNATES
1/4" = 1'-0"



2 SECTION TYPICAL T1 ALTERNATES
1/4" = 1'-0"



12 ALT. 2 BEARING BLOCK DETAIL
1 1/2" = 1'-0"

ALTERNATE # 3:

CURVED METAL BARREL ROOF.
STEEL TUBE FRAMED MONITOR
STRUCTURE & CROSS BRACES.
STANDING SEAM METAL ROOF.
STEEL FRAMED GRILLES & RODS
WITH BIRD & INSECT SCREENS.

(OMIT BASE BID WOOD FRAMED
ROOF MONITOR, WOOD DECK &
ASPHALT SHINGLES.)

ALTERNATE # 2:

HIGH TRANSOM & GLASS BLOCK.
HIGH CAST STONE BEARING BLOCKS.
COLORED GLASS BLOCK BAND.
CAST STONE GLASS BLOCK HEAD.
6" HIGH CAST STONE SILL ATOP
STRUCTURAL EXTERIOR WALLS.

VENTILATION BAND:
STEEL FRAMED GRILLES & RODS
WITH BIRD & INSECT SCREENS.

ALTERNATE # 1:

EXTERIOR STRUCTURAL WALLS.
8" CONC. BLOCK STRUCTURAL
EXTERIOR WALLS & 4" BRICK VENEER.

(OMIT BASE BID 12" CONCRETE BLOCK
STRUCTURAL EXTERIOR WALLS SPLIT FACE.)
(BLOCK FILLER & EPOXY PAINT AT
INTERIOR SURFACES REMAINS.)

ALTERNATE # 4:

BASE GRADE BEAM STONE CLADDING.
MODULAR 1" THICK VENEER CLADDING
ONTO CONCRETE STRUCTURAL BASE
GRADE BEAM.

IN CHARGE OF: K. MILEY
CHECKED BY: K. MILEY
MADE BY: T. RAYHO

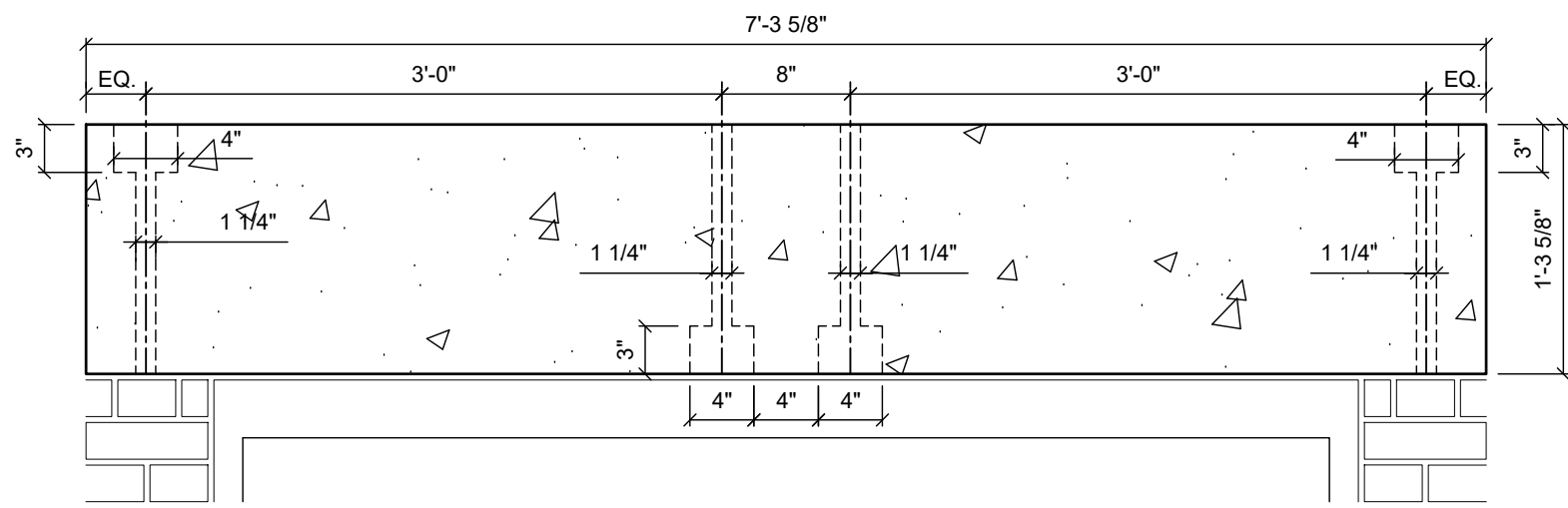
IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN
ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL
ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED,
THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE
NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF
SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

HILLMAN & MILEY
CONSULTING ENGINEERS PLLC
235 Mamaroneck Avenue
White Plains, NY 10605
Phone: 914.428.0999

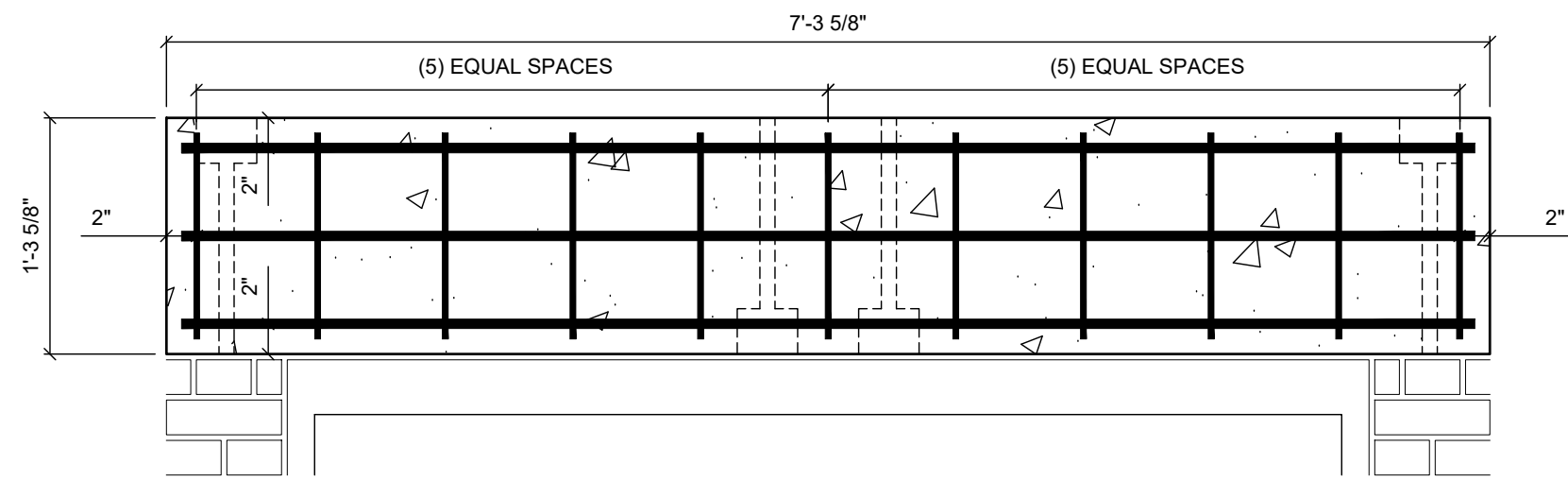


H&M JOB NO. 20.4177

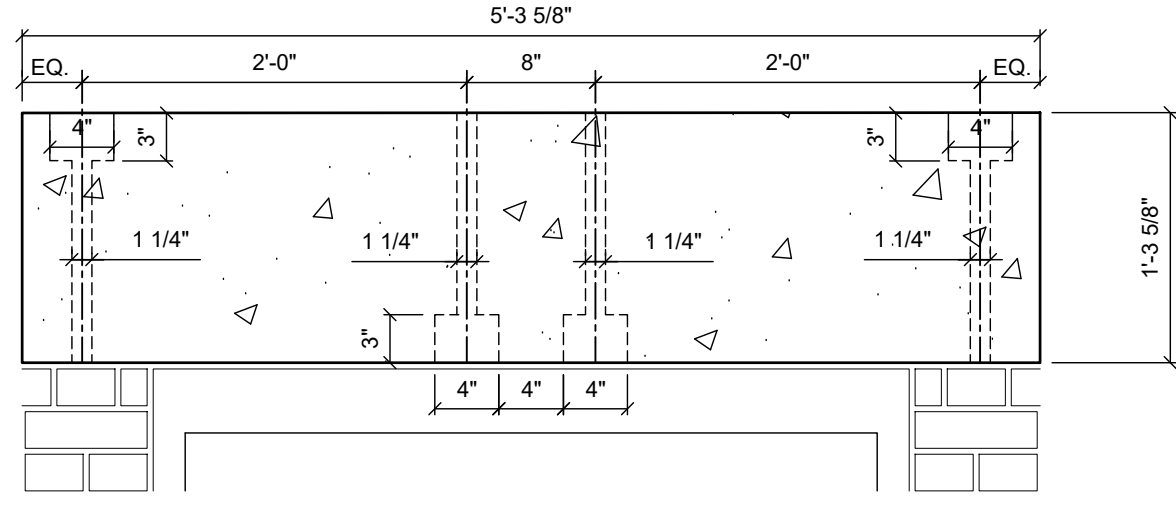
REVISION	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
AS BUILT - CHANGES AS NOTED		AS BUILT - NO CHANGES		
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	TITLE	TITLE	TITLE	DATE
WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER		SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS		15-553		32 OF 53
DIVISION OF ENGINEERING		SHEET NO.		NO. 060391
NEW BATHHOUSE FACILITY		SCALE: AS SHOWN		DATE: 06/18/2021
CROTON POINT PARK		DPWF FILE NO.		REV. NO.
CROTON-ON-HUDSON, NEW YORK		2-02-S-76-0		0
SECTIONS & DETAILS - ALTERNATES				



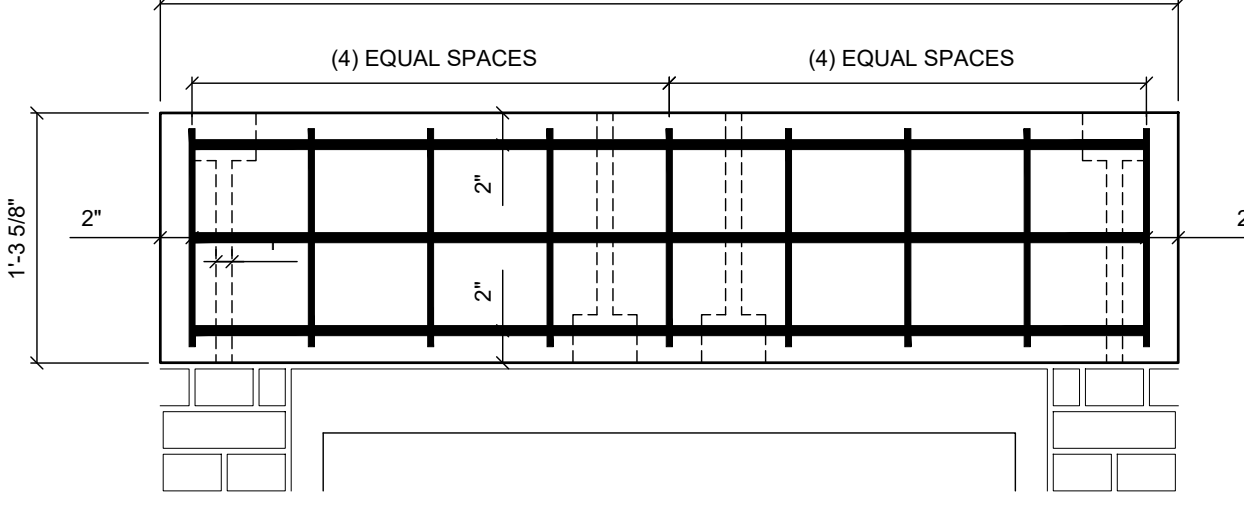
H1: OVER HEAD COILING DOOR: 6'-0" M.O.



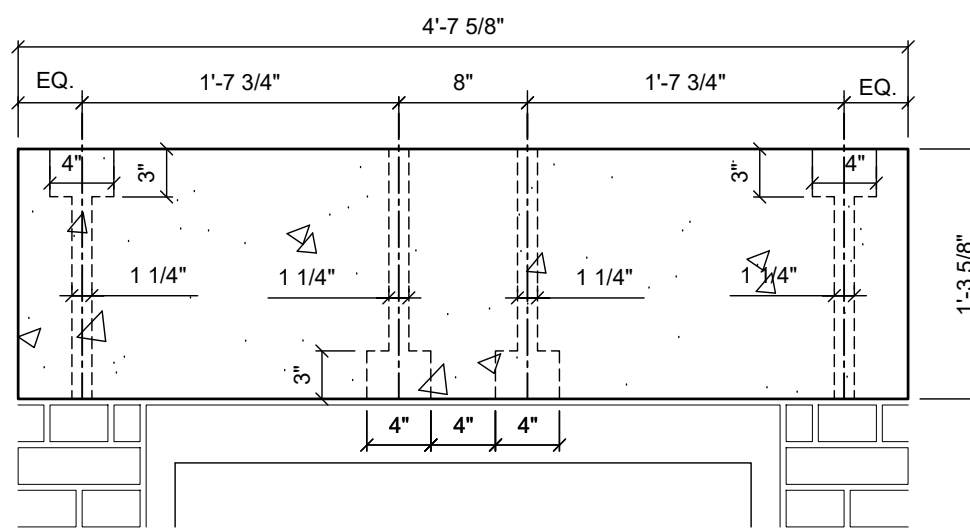
H1: OVER HEAD COILING DOOR: 6'-0" M.O.



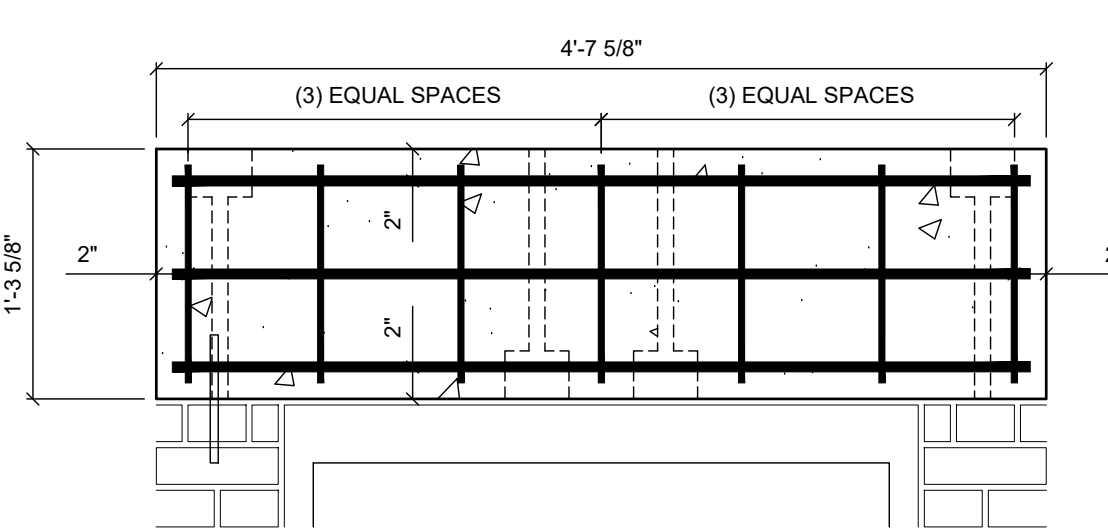
H2: HOLLOW METAL DOOR: 4'-0" M.O.



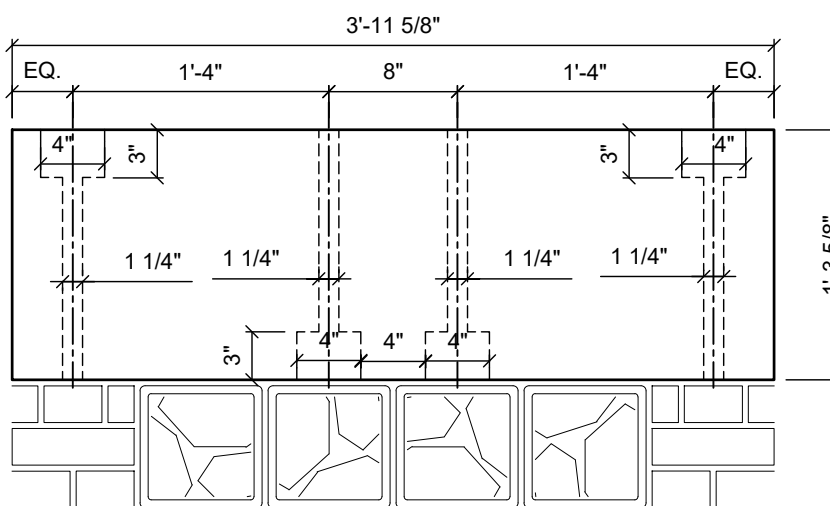
H2: HOLLOW METAL DOOR: 4'-0" M.O.



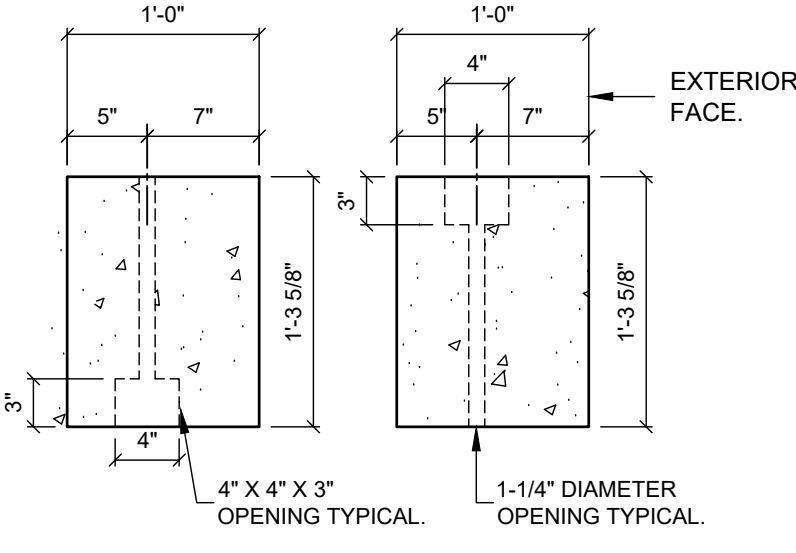
H3: HOLLOW METAL FRAME H3: 3'-4" M.O.



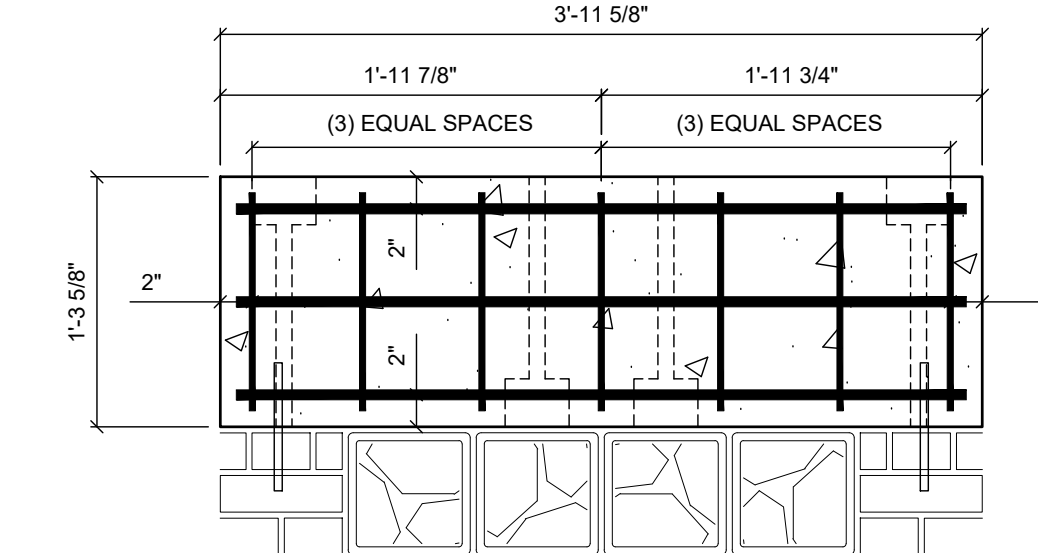
H3: HOLLOW METAL FRAME H3: 3'-4" M.O.



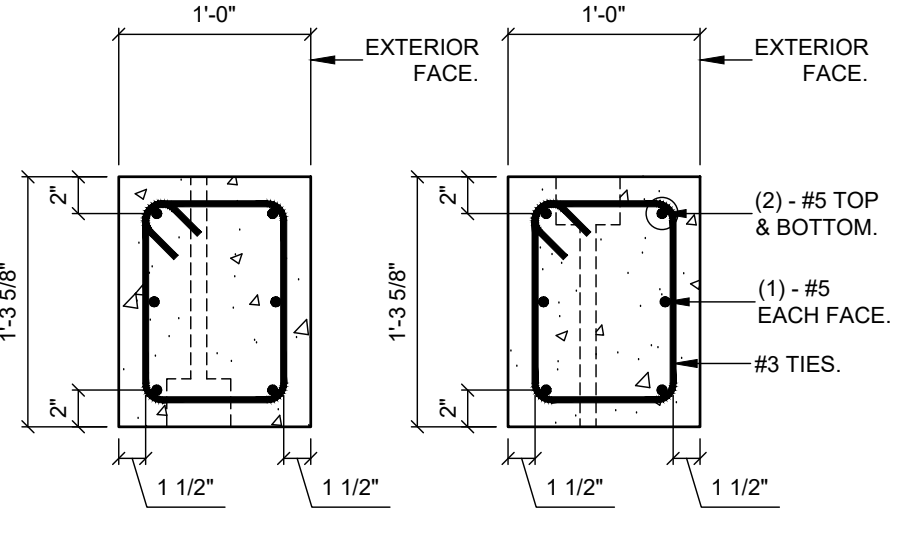
H4: GLASS BLOCK M.O. 2'-8"



TYPICAL CROSS SECTION FOR HOLES

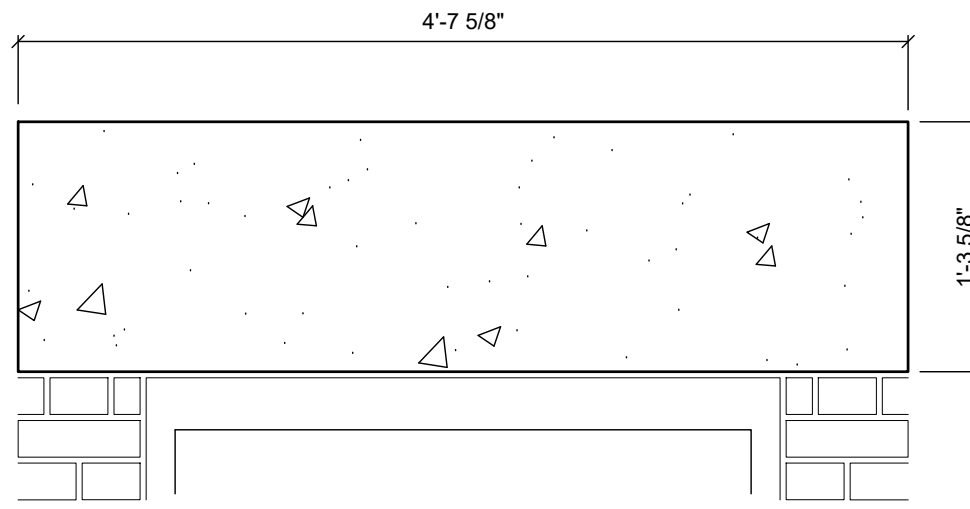


H4: GLASS BLOCK M.O. 2'-8"

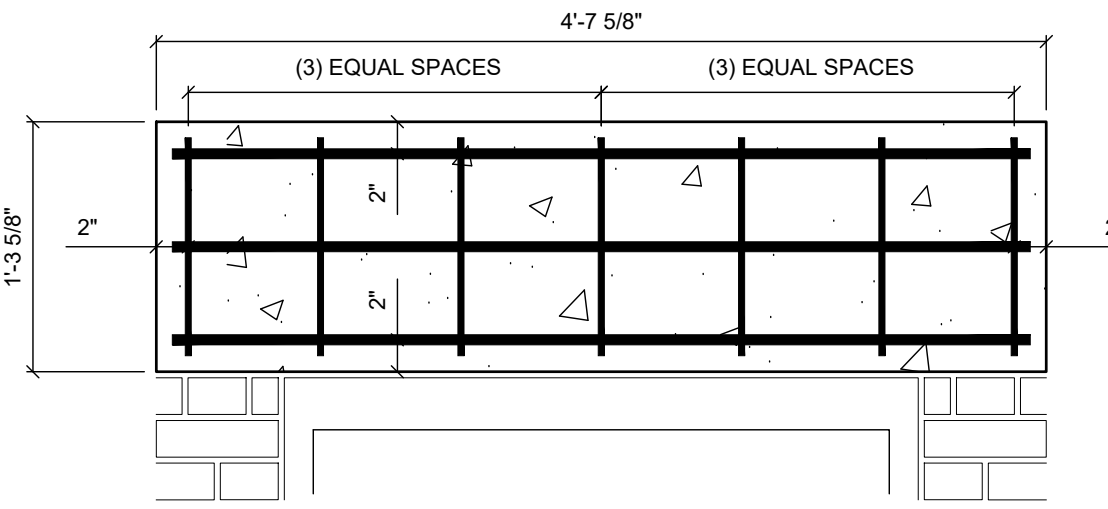


TYPICAL CROSS SECTION

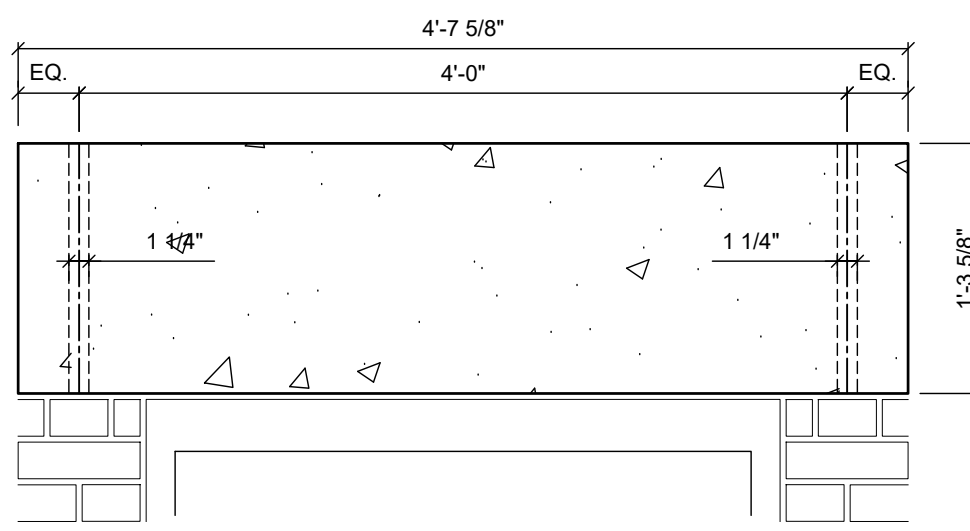
- NOTE:
- ALL REINFORCEMENT IN CAST CONCRETE HEADERS SHALL BE EPOXY COATED. SEE SPECIFICATIONS.
 - COORDINATE ALL CAST CONCRETE HEADERS WITH SHEET A-501.



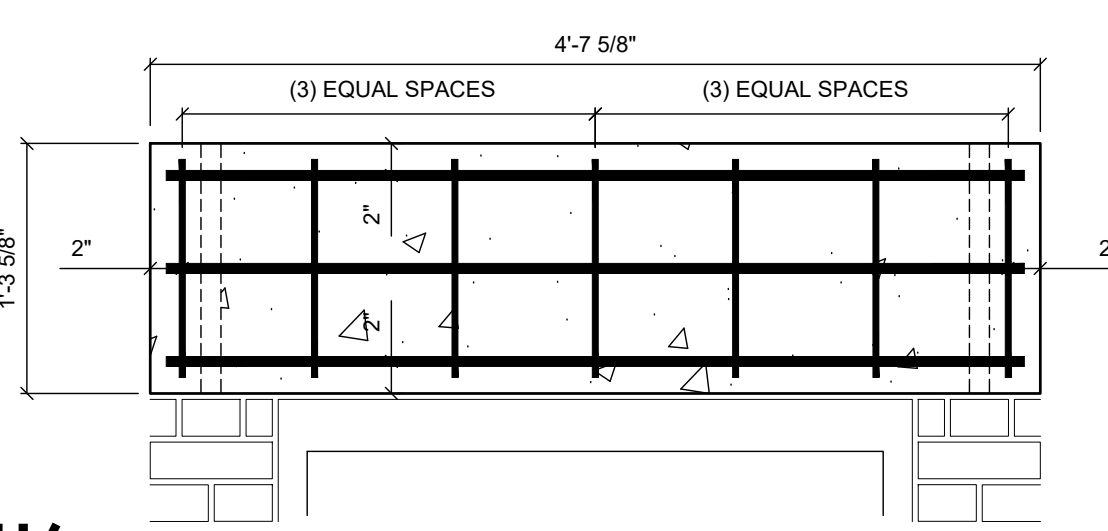
H5: HOLLOW METAL FRAME: 3'-4" M.O.



H5: HOLLOW METAL FRAME: 3'-4" M.O.



H6: HOLOW METAL FRAME: 3'-4" MO



H6: HOLOW METAL FRAME: 3'-4" MO

1 CAST CONCRETE HEADERS ANCHOR LOCATIONS
1" = 1'-0"

2 CAST CONCRETE HEADERS REINFORCEMENT
1" = 1'-0"

IN CHARGE OF: K. MILEY
CHECKED BY: K. MILEY
MADE BY: T. RAYHO

IT IS A VIOLATION OF NYS LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF A DOCUMENT BEARING THE SEAL ON AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



HILLMAN & MILEY
CONSULTING ENGINEERS PLLC

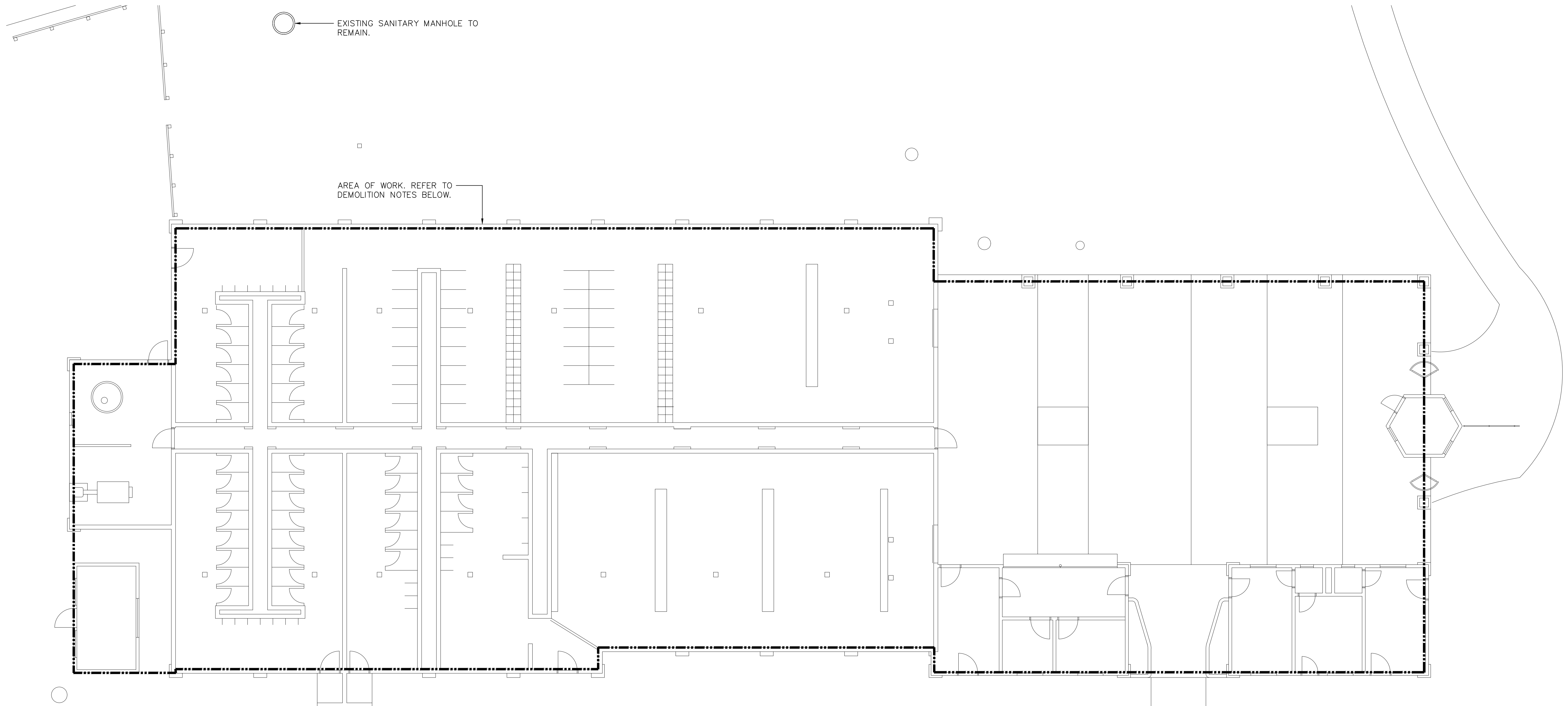
235 Mamaroneck Avenue
White Plains, NY 10605
Phone: 914.428.0999



KEVIN J. MILEY
LICENSED PROFESSIONAL ENGINEER
NO. 060391

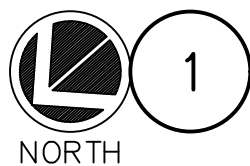
H&M JOB NO. 20.4177

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME	SIGNATURE	NAME	SIGNATURE	DATE
TITLE	TITLE	TITLE	TITLE	TITLE
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553 SHEET NO. 33 OF 53
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NEW YORK CAST CONCRETE HEADER DETAILS				SCALE: AS SHOWN DATE: 06/18/2021 DPW FILE NO. 2-02-S-77-0 REV. NO. 0



DEMOLITION NOTES:


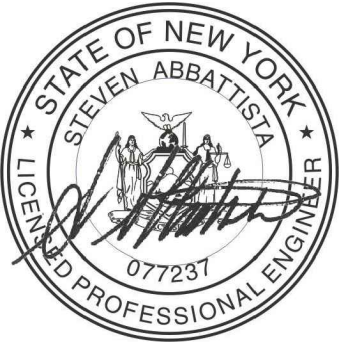
- 1.) ALL EXISTING PLUMBING FIXTURES INCLUDING WATER CLOSETS, URINALS, SHOWERS, SHOWER DRAINS, FLOOR DRAINS, LAVATORIES AND ALL ASSOCIATED ROUGH IN, BRANCH PIPING AND SPECIALTIES SHALL BE DEMOLISHED COMPLETE UNLESS OTHERWISE NOTED (UON).
- 2.) DEMOLISH ALL ABOVEGROUND DOMESTIC HOT AND COLD WATER MAINS, BRANCH PIPING AND SPECIALTIES.
- 3.) DEMOLISH ALL ABOVEGROUND SANITARY WASTE AND VENT MAINS, BRANCH PIPING AND SPECIALTIES. DEMOLISH UNDERGROUND SANITARY WASTE PIPING AS REQUIRED FOR INSTALLATION OF NEW BUILDING. COORDINATE WITH GENERAL CONTRACTOR.
- 4.) DEMOLISH EXISTING COLD WATER SERVICE INTO BUILDING AND ASSOCIATED VALVES AND SPECIALTIES BACK TO SOURCE, STOP AND CAP.
- 5.) PLUMBING CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID IN ORDER TO ACCOMMODATE THE NEW CONSTRUCTION.

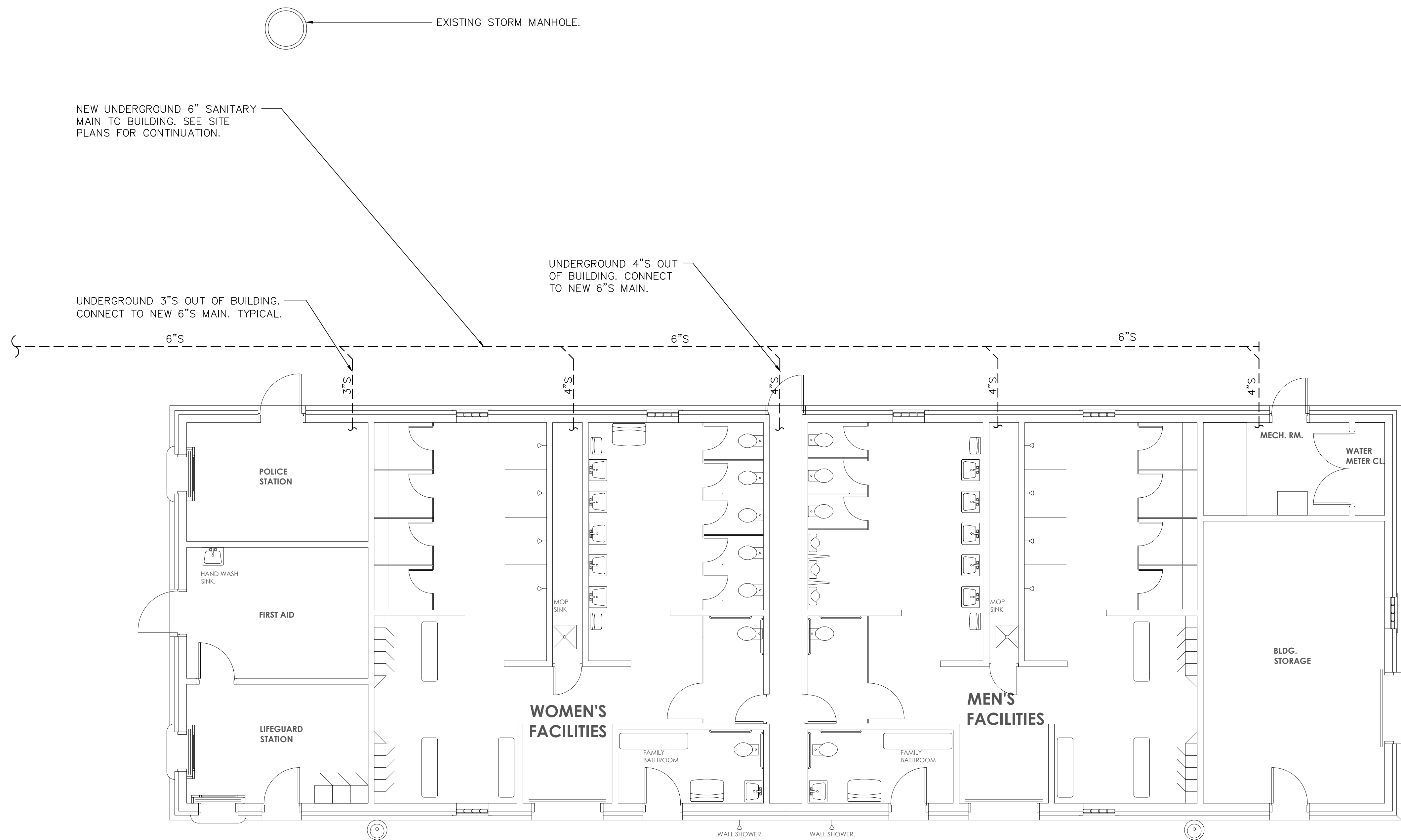


1 BATH HOUSE PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

IN CHARGE OF: SA
CHECKED BY: RS
MADE BY: CD

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

OLA Consulting Engineers  60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR NAME SIGNATURE TITLE			PROJECT COORDINATOR NAME SIGNATURE TITLE		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING			NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY PLUMBING DEMOLITION PLAN		
CONTRACT NUMBER 15-553		SHEET NUMBER P-101		SCALE: AS NOTED DATE: 6/18/21	
SHEET NO. 35 OF 53		DPW FILE NO. 2-02-P-79-0		REV. NO. 0	



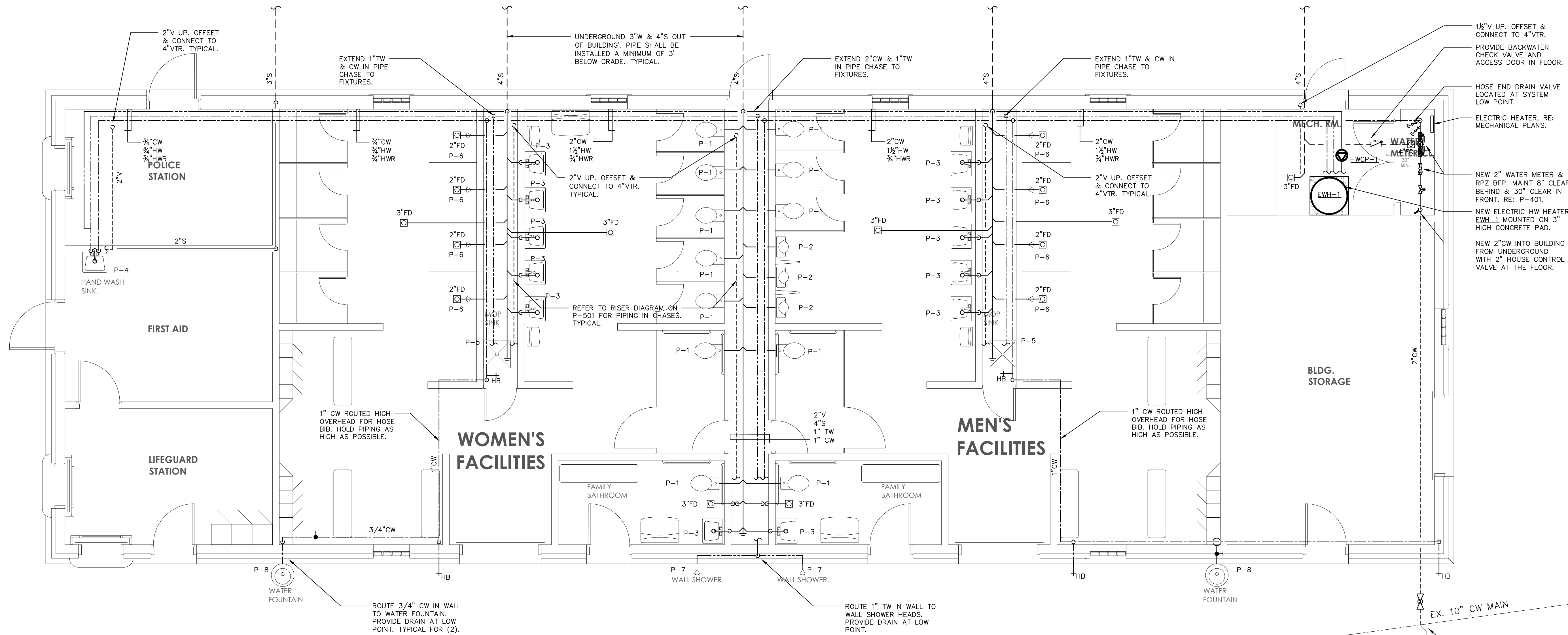
BATH HOUSE PLUMBING SITE SANITARY PLAN

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

IN CHARGE OF: SA
CHECKED BY: RS
MADE BY: CD

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

 OLA Consulting Engineers 60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com				
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR		PROJECT COORDINATOR		
NAME SIGNATURE TITLE	DATE	NAME SIGNATURE TITLE	DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 15-553 SHEET NUMBER P-200		
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY PLUMBING SITE SANITARY PLAN		SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-P-80-0 REV. NO. 0		



EX. 10" CW MAIN

EX. 10" CW MAIN

EX. 10" CW MAIN

NEW 2" CW TAP OFF EXISTING 10" MAIN WITH CORPORATION STOP.





BATH HOUSE PLUMBING NEW WORK PLAN

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

- NOTES:
1. PROVIDE ADEQUATE DRAIN VALVES SO THAT ALL HOT, COLD, AND TEMPERED WATER PIPING CAN BE DRAINED.
 2. PITCH ALL HOT, COLD, AND TEMPERED WATER PIPING TO ALLOW DRAIN DOWN. COORDINATE DRAIN VALVE LOCATION ACCORDINGLY.

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

IN CHARGE OF: SA
CHECKED BY: RS
MADE BY: CD

 OLA Consulting Engineers 60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR			PROJECT COORDINATOR		
NAME SIGNATURE TITLE			NAME SIGNATURE TITLE		
DATE			DATE		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553 SHEET NO. 37 OF 53	
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY PLUMBING NEW WORK PLAN				SHEET NUMBER P-201 SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-P-81-0 REV. NO. 0	

GENERAL NOTES:

1. ADEQUATE HEAT AND LIGHT SHALL BE PROVIDED IN LOCATIONS WHERE BACKFLOW PREVENTERS ARE TO BE INSTALLED.
2. THE CONTRACTOR SHALL USE ONLY AMERICAN MADE, UL/FM APPROVED VALVES.
3. NO WORK SHALL PROCEED WITHOUT THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH APPROVAL.
4. BACKFLOW PREVENTER ARRANGEMENT SHALL NOT BE ALTERED WITHOUT PRIOR APPROVAL BY WESTCHESTER COUNTY DEPARTMENT OF HEALTH.
5. BACKFLOW PREVENTION SHALL BE PROTECTED FROM THE HIGHEST FLOOD LEVEL.
6. BY-PASSES AROUND BACKFLOW PREVENTER ASSEMBLY SHALL NOT BE PERMITTED.
7. BACKFLOW PREVENTER DEVICE SHALL BE TESTED INITIALLY AND ANNUALLY BY A CERTIFIED AND LICENSED TESTER. AT THE TIME OF INITIAL TESTING PART A AND B OF DOH 1013 FORM MUST BE COMPLETED, TEST RESULTS (FORM DOH 1013) SHALL BE FORWARDED TO WESTCHESTER COUNTY DEPARTMENT OF HEALTH, OWNER AND ENGINEER.
8. THE BACKFLOW PREVENTER SHALL BE REBUILT EVERY FIVE YEARS.
9. ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBER AND ACCORDING TO DEPARTMENT OF PUBLIC WORKS REGULATIONS.
10. CONTRACTOR SHALL DISINFECT AND PRESSURE TEST BACKFLOW PREVENTER ASSEMBLY BEFORE PLACING IN SERVICE. DISINFECTION SHALL BE IN ACCORDANCE WITH AWWA STANDARD C651-05 WITH THE EXCEPTION OF SECTION 4.4.2.
11. CONTRACTOR SHALL ADEQUATELY SUPPORT ALL PIPING AND DEVICES.
12. WHERE THE DISTANCE BETWEEN THE WATER METER AND THE BACKFLOW PREVENTER IS GREATER THAN 10'-0", ALL EXPOSED PIPING SHALL BE STENCILED "FEED LINE TO BACKFLOW PREVENTER - DO NOT TAP" AT 5'-0" INTERVALS.

EQUIPMENT NOTES:

1. THE 2" DOMESTIC WATER BACKFLOW PREVENTER ASSEMBLY SHALL BE WATTS MODEL LF009M2QT 2" REDUCED PRESSURE ZONE BACKFLOW PREVENTER. ASSEMBLY SHALL BE LEAD FREE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 180°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT SEATED ISOLATION VALVES, FOUR RESILIENT SEATED TEST COCKS AND AN AIR GAP DRAIN FITTING.
2. PRESSURE REDUCING VALVE (PRV): WATTS LFN223BS WITH ADJUSTABLE PRESSURE RANGE.
3. THE 2" DOMESTIC WATER METER WITH INTEGRAL STRAINER SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE LOCAL WATER UTILITY. FINAL WATER METER AND SIZE, MODEL, AND DIMENSIONS SHALL BE DETERMINED & APPROVED BY THE LOCAL WATER UTILITY. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND INSTALLATION AND ALL RELATED WATER DEPARTMENT FEES.

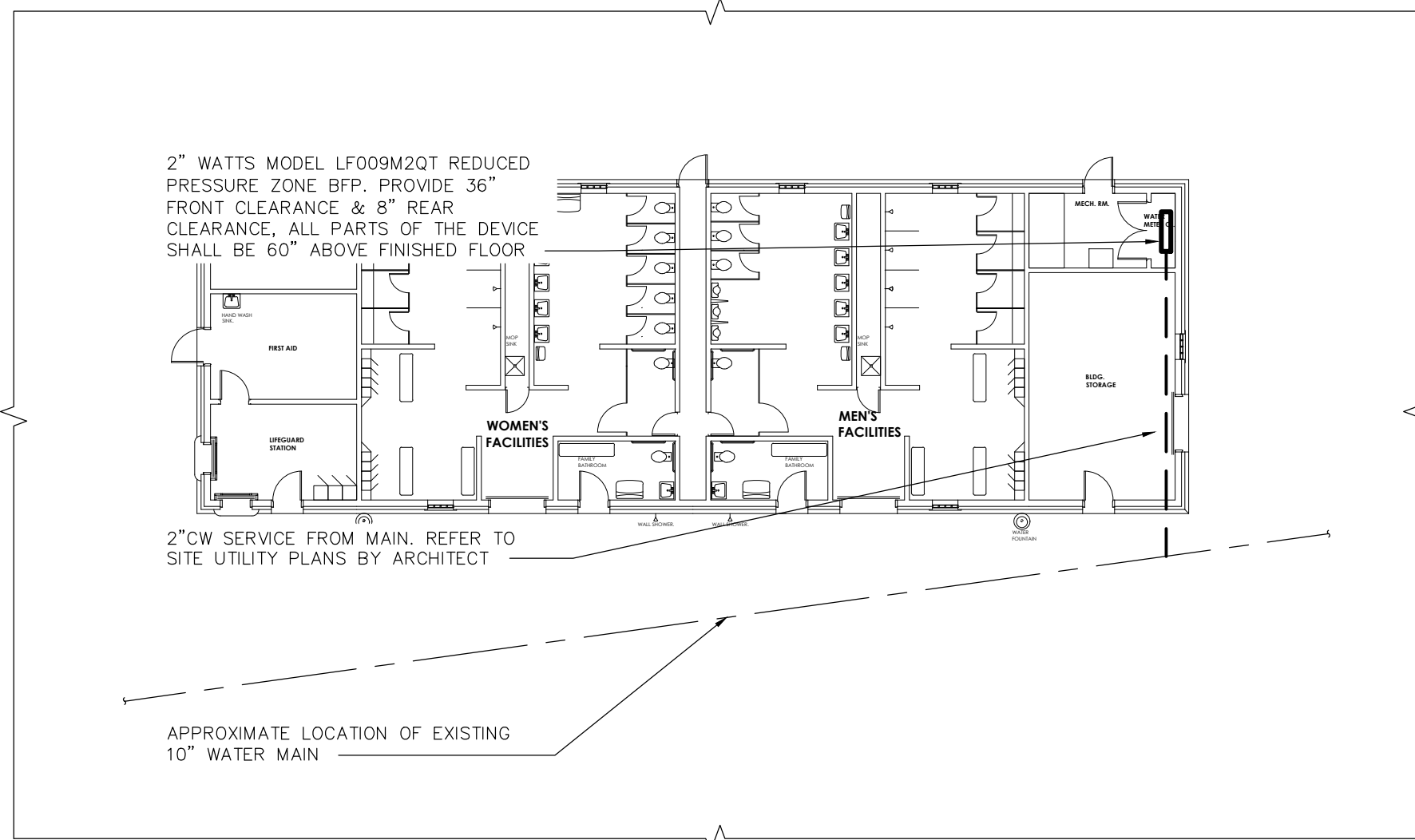
INSTALLATION NOTES:

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

NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH WESTCHESTER COUNTY DEPARTMENT OF HEALTH REQUIREMENTS.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A DIRECT VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW

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

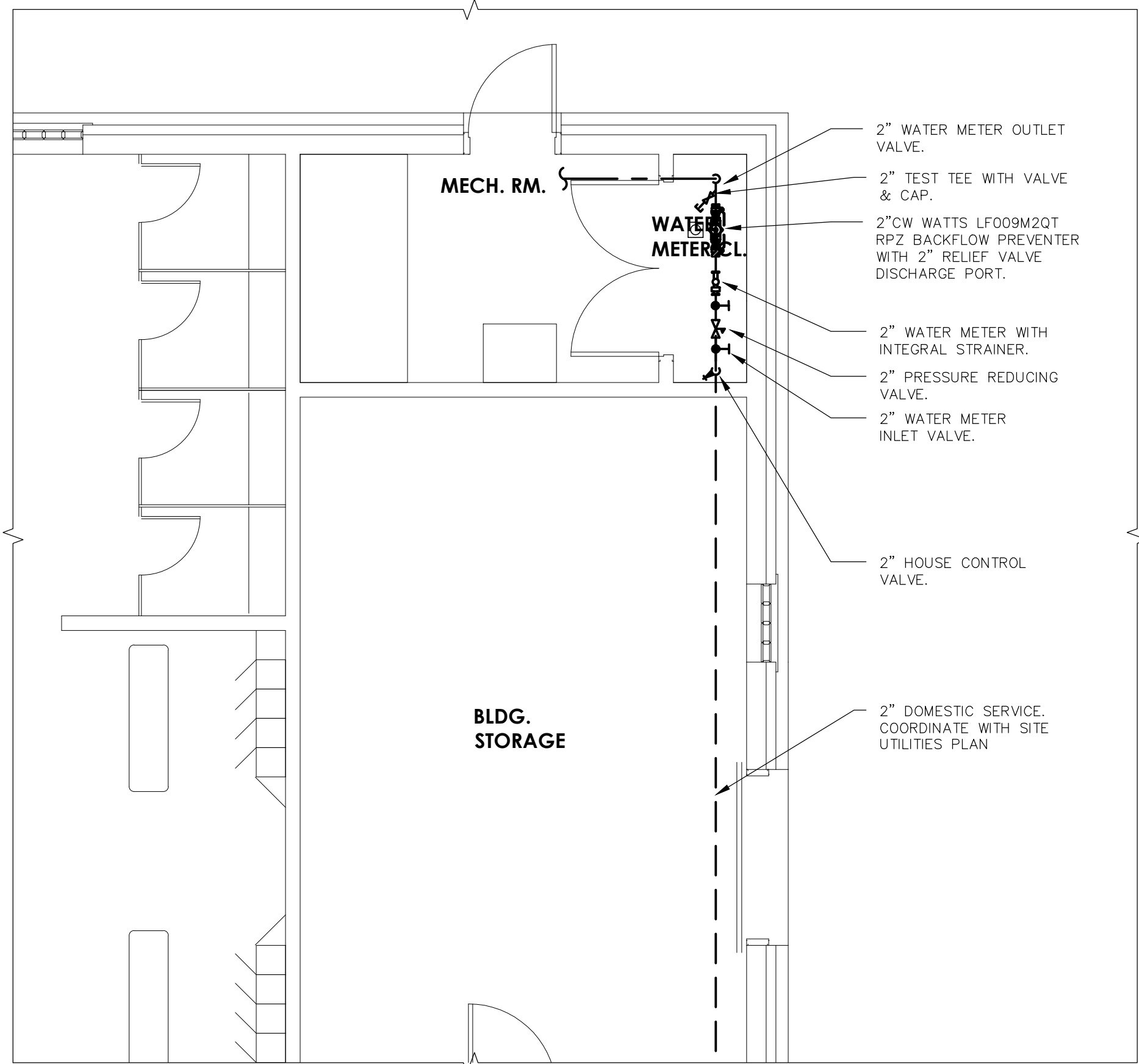


4 SITE PLAN
SCALE: 1/32" = 1'-0"
NORTH

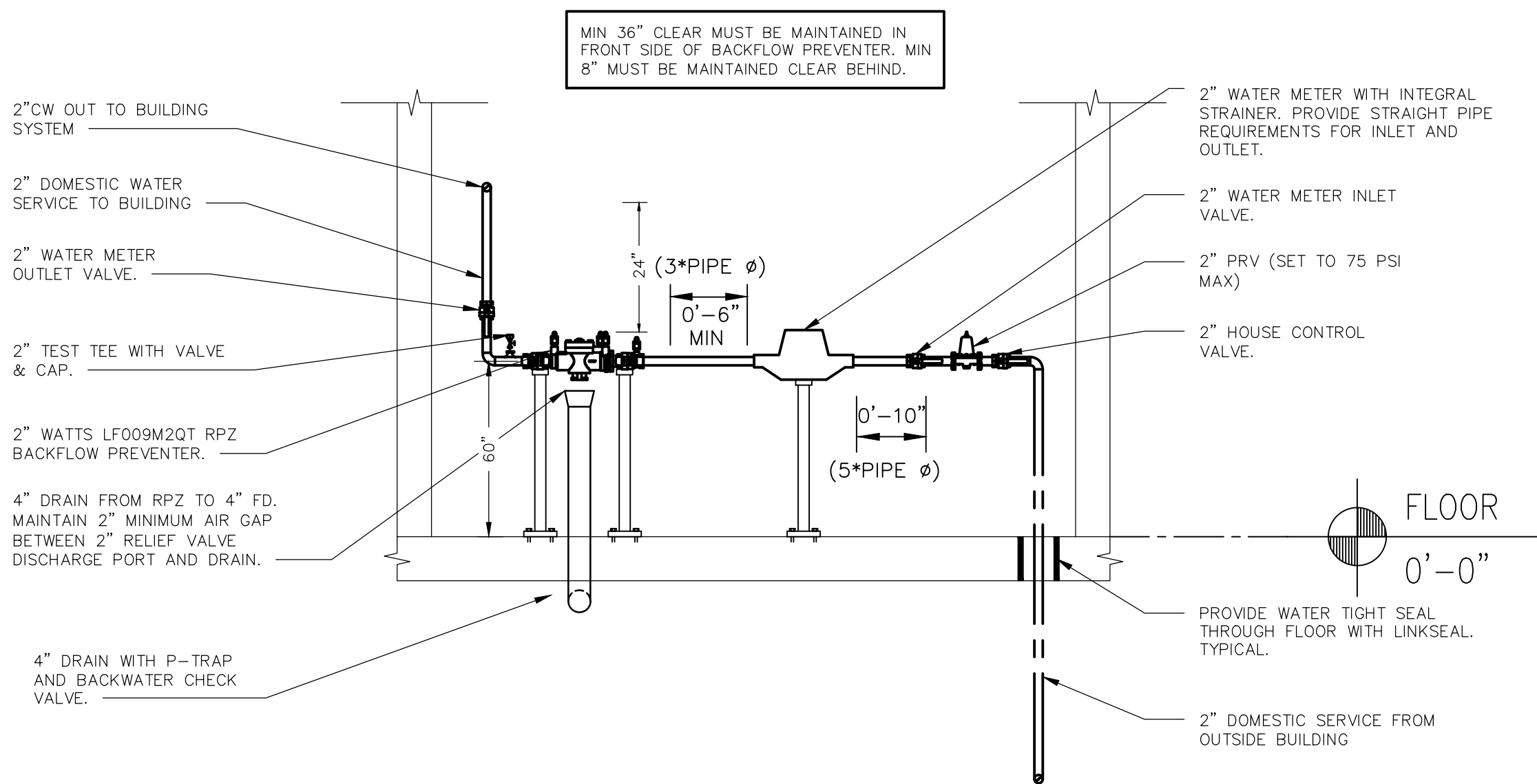
IN CHARGE OF: SA
CHECKED BY: RS
MADE BY: CD

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

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



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



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

SYMBOLS AND ABBREVIATIONS



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

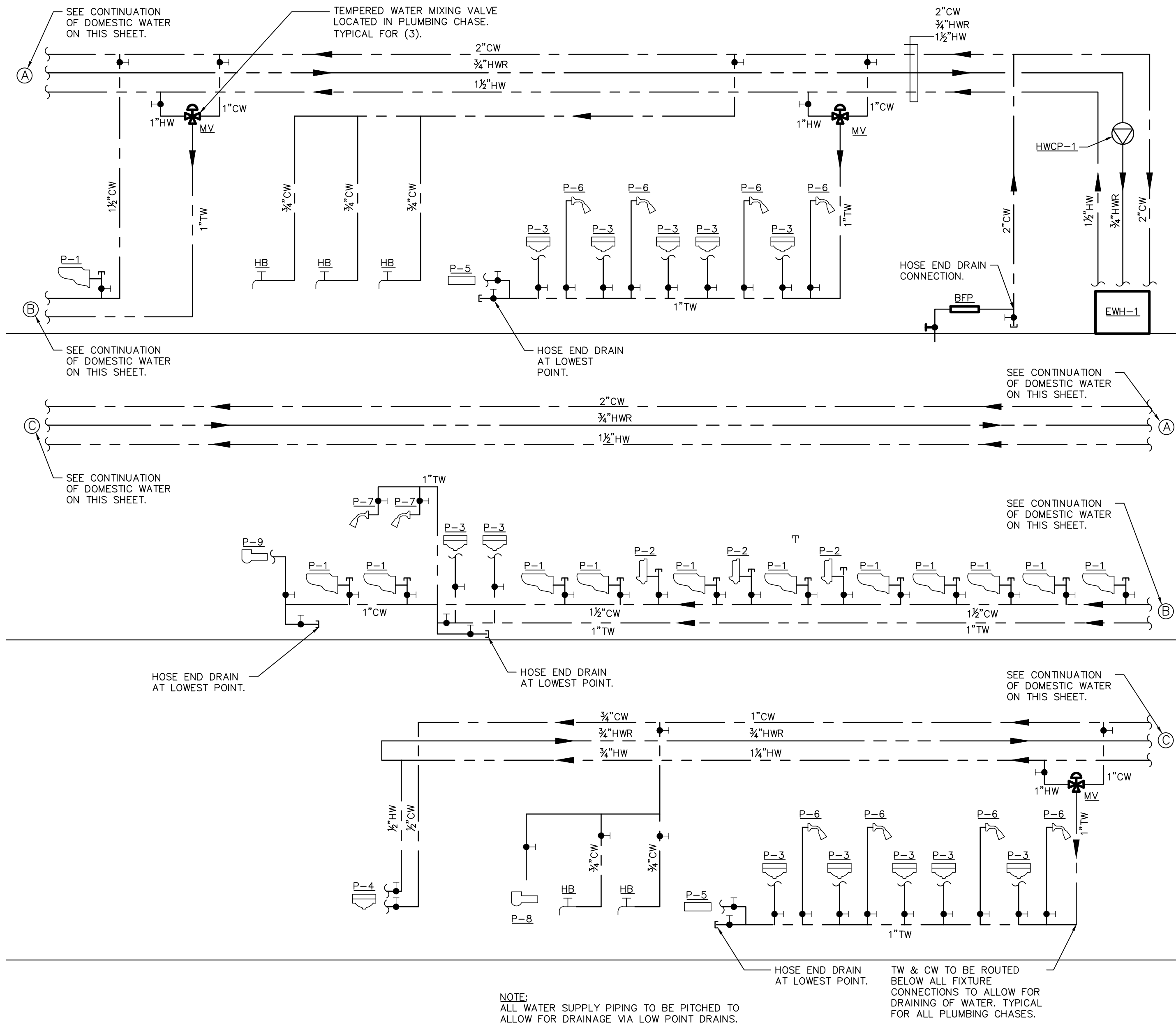
BUILDING INFORMATION

ADDRESS: CROTON POINT PARK, CROTON, NY 10595
COUNTY: WESTCHESTER COUNTY

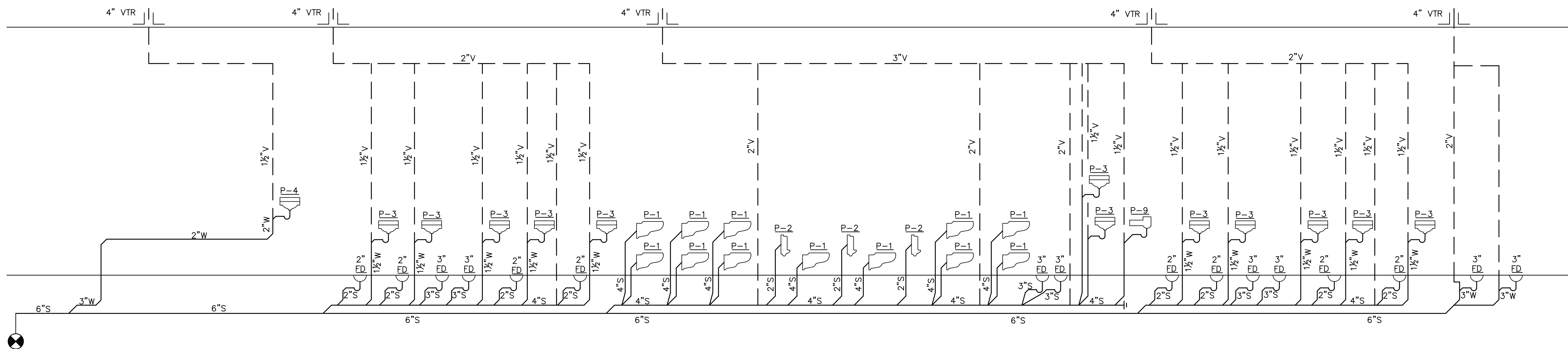


1 SITE LOCATION MAP
SCALE: NTS
NORTH

OLA Consulting Engineers  60 Broadway, Hawthorne, NY 10592 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT — CHANGES AS NOTED <input type="checkbox"/> AS BUILT — NO CHANGES					
CONTRACTOR NAME: _____ SIGNATURE: _____ TITLE: _____ DATE: _____			PROJECT COORDINATOR NAME: _____ SIGNATURE: _____ TITLE: _____ DATE: _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY PLUMBING BACKFLOW PREVENTER PART PLANS				CONTRACT NUMBER 15-553 SHEET NO. 38 OF 53	SHEET NUMBER P-401 SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-P-82-0 REV. NO. 0



2 PLUMBING DOMESTIC WATER RISER DIAGRAM
SCALE: NONE

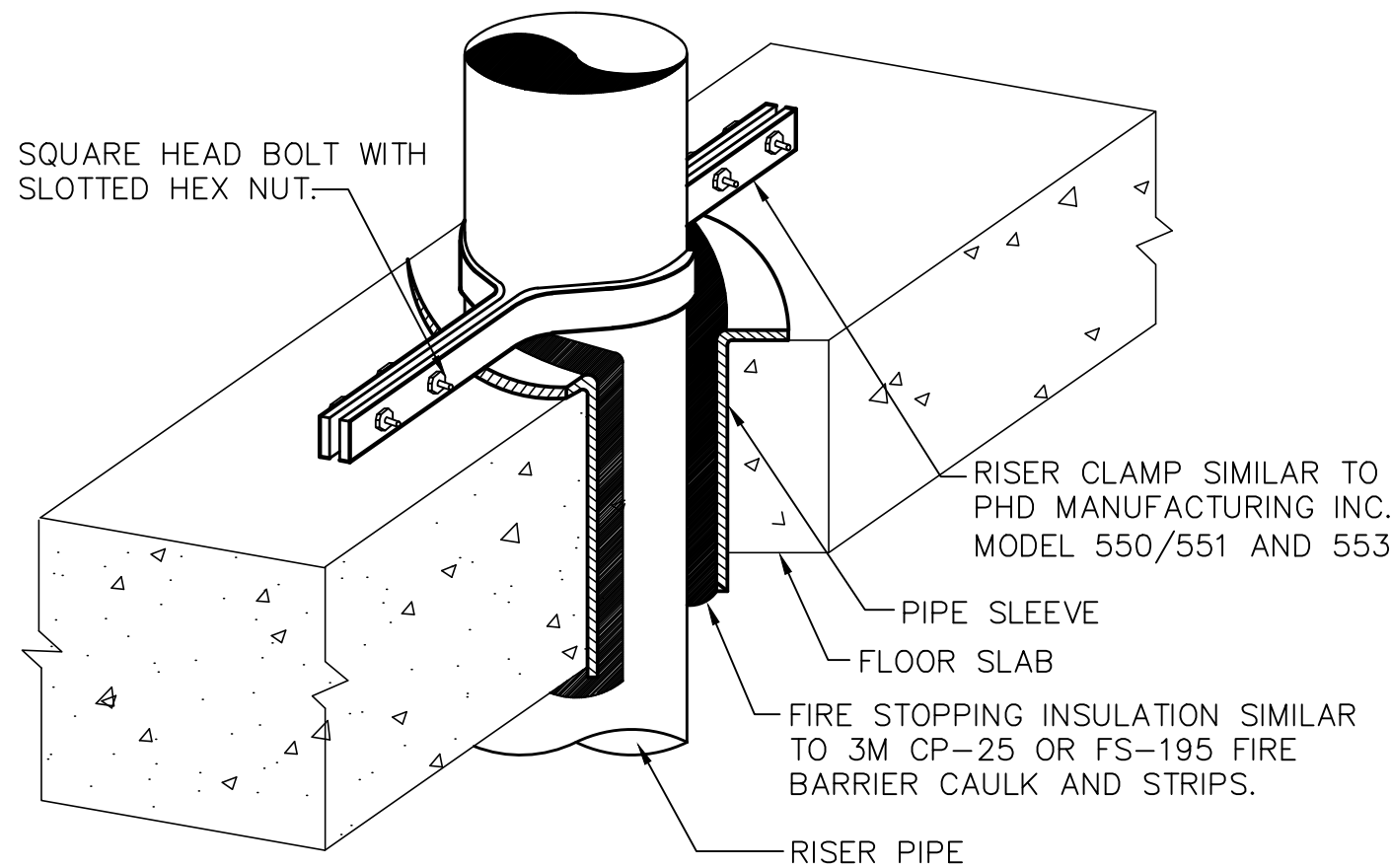


1 PLUMBING SANITARY/VENT RISER DIAGRAM
SCALE: NONE

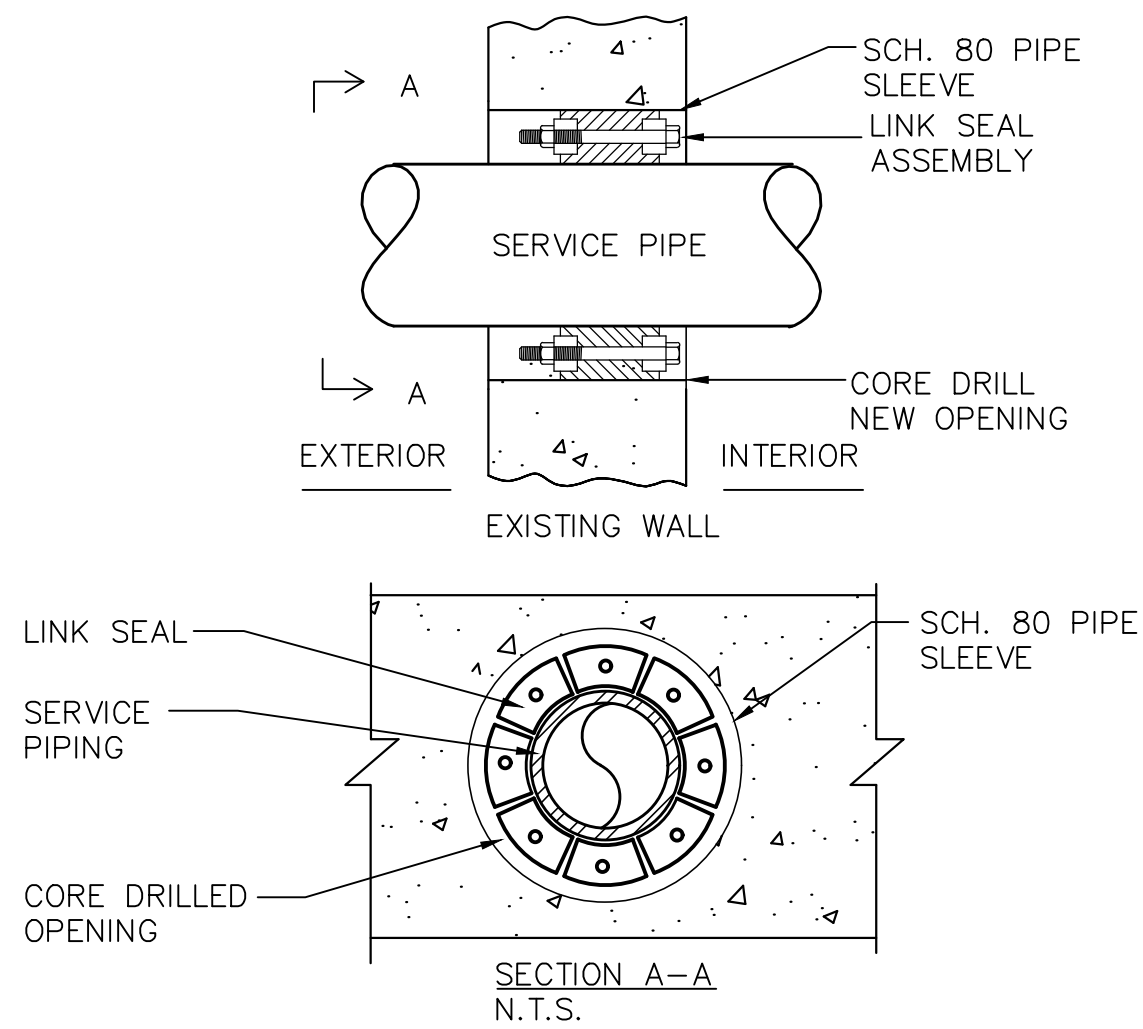
LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

IN CHARGE OF: _____
CHECKED BY: _____
MADE BY: _____

PLUMBING FIXTURE SCHEDULE										
TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS						
	PLAN	ELEVATION		WASTE	INDIRECT	VENT	COLD WATER	HOT WATER	TEMPERED WATER	EQUIPMENT NOTES
P-1			WATER CLOSET WALL HUNG	4"	-	2"	1 1/2"	-	-	AMERICAN STANDARD "AFWALL MILLENNIUM" TOILET MODEL #3351.101, WALL MOUNTED, ADA COMPLIANT, BACK OUTLET, ELONGATED BOWL, 1.6 GALLONS PER FLUSH, DIRECT-FED SIPHON JET ACTION, WHITE VITREOUS CHINA. WATER CLOSET. FLUSH VALVE SHALL BE AMERICAN STANDARD MODEL 606B.161, HARD WIRED AC POWER KIT. SEAT SHALL BE AMERICAN STANDARD MODEL #5901.100 HEAVY DUTY OPEN FRONT SEAT, LESS COVER. PROVIDE EXTRA HEAVY DUTY WALL CARRIER RATED FOR 750 LBS.
P-2			URINAL	1 1/2"	-	1 1/2"	3/4"	-	-	KOHLER "BARDON" MODEL K-4991-ET, ADA COMPLIANT, WALL HUNG, WHITE VITREOUS CHINA, HIGH EFFICIENCY URINAL. FLUSH VALVE SHALL BE AMERICAN STANDARD MODEL 606B.161, HARD WIRED AC POWER KIT, ADA COMPLIANT, CHROME PLATED, 0.5 GALLONS PER FLUSH.
P-3			LAVATORY	1 1/2"	-	1 1/2"	-	-	1/2"	AMERICAN STANDARD "MURRO" WALL-HUNG LAVATORY, MODEL #0955.001, CENTER HOLE ONLY, WHITE VITREOUS CHINA, ADA COMPLIANT. FAUCET SHALL BE DELTA COMMERCIAL MODEL 590T0190 SINGLE ELECTRONIC HARD WIRED FAUCET, POLISHED CHROME, SINGLE HOLE INSTALLATION WITH VANDAL-RESISTANT SPRAY OUTLET. FAUCET SHALL BE RATED FOR 0.35 GPM.
P-4			HAND SINK	1 1/2"	-	1 1/2"	1/2"	1/2"	-	ADVANCE TABCO STAINLESS STEEL HAND SINK MODEL 7-PS-20, 17 1/2"x17 1/2" O.D. WITH 5" DEEP BOWL, 4" ON CENTER DECK MOUNTED FAUCET FURNISHED WITH AERATOR, STAINLESS STEEL DRAIN OUTLET. PROVIDE SUPPLY STOPS & P-TRAP. PROVIDE ALL REQUIRED MOUNTING BRACKETS.
P-5			MOP SINK	3"	-	1 1/2"	-	-	1/2"	AMERICAN STANDARD "AKRON" WALL-MOUNTED SERVICE SINK MODEL 7695.008, WITH DRILLED BACK 2 HOLES ON 8" CENTERS WITH RIM GUARD, ENAMELED CAST IRON. PROVIDE WALL HANGER AND RIM GUARD. FAUCET SHALL BE AMERICAN STANDARD MODEL #8340.235 EXPOSED YOKE WALL MOUNT UTILITY FAUCET, POLISHED CHROME FINISH. PROVIDE AMERICAN STANDARD #7798.030 CAST IRON "P" TRAP STANDARD TO WALL AND STRAINER FOR 3" IRON PIPE.
P-6			SHOWER	2"	-	1 1/2"	-	-	1/2"	SPEAKMAN ANYSTREAM 8 JET SHOWERHEAD, MODEL S-2251-E2, SOLID BRASS CONSTRUCTION, 2.0 GPM FLOW CONTROL, POLISHED CHROME FINISH. VALVE TRIM SHALL BE SPEAKMAN SM-5000 ANTI-SCALD THERMOSTATIC/PRESSURE BALANCED SHOWER VALVE, CHROME PLATED BRASS WALL PLATE AND LEVEL HANDLE, BRASS BODY WITH INTEGRAL SPRING CHECK STOPS, VANDAL RESISTANT.
P-7			OUTDOOR SHOWER	-	-	1 1/2"	-	-	1"	OUTDOOR SHOWER COMPANY WALL MOUNTED COLD WATER SHOWER MODEL WM-442-ADA, DEL-78 1.75 GPM STAINLESS STEEL SHOWER HEAD, SR-40 1/2"x39" 304 SCH 40 STAINLESS STEEL RISER, THREADED BOTH ENDS, WB-2 2" STAINLESS STEEL WALL BRACKET AND FLANGE. PROVIDE MODEL AV-442-ADA METERED PUSH HANDLE CHROME PLATED ANGLE VALVE.
P-8			DRINKING FOUNTAIN	1 1/2"	-	-	1/2"	-	-	MURDOCK WALL MOUNTED BARRIER FREE DRINKING FOUNTAIN GR SERIES MODEL GRC74, ALL STAINLESS STEEL, ADA COMPLIANT, 18 GAGE, 304 STAINLESS STEEL BOWL, 12 GAGE HEAVY DUTY STAINLESS STEEL ARM, CORROSION & SCRATCH RESISTANT FINISH, POLISHED CHROME PLATED BRASS, ANTI-ROTATION NON-SQUIRT BUBBLER, 100 MESH INLET STRAINER, 1-1/4" P-TRAP, VANDAL RESISTANT BOTTOM STAINLESS STEEL PLATE & SCREWS, MOUNTING PLATE, FREEZE RESISTANT VALVE.
FD			FLOOR DRAIN	2"/3"	-	1 1/2"	-	-	-	FOR SHOWERS: ZURN Z451 SHALLOW TRAP DRAIN WITH TYPE B STRAINER, 3" PIPE SIZE WITH 6" ROUND NICKEL-BRONZE HEEL-PROOF STRAINER, CAST IRON BODY, CAST IRON DRAINAGE FLANGE, VANDAL PROOF SECURED TOP OR APPROVED EQUAL. FOR TOILET ROOMS: ZURN ZN-460B 2" PIPE SIZE SHALLOW BODY FLOOR DRAIN WITH SIDE OUTLET AND 6" TYPE B POLISHED NICKEL BRONZE STRAINER, DURA COATED CAST IRON BODY WITH SEEPAE SLOTS AND VANDAL PROOF SECURED TOP. PROVIDE 2" CAST IRON P-TRAP WITH SIDE INLET. FOR MECHANICAL ROOM: ZURN ZN-415B WITH CAST IRON BODY, CAST IRON DRAINAGE FLANGE, SEDIMENT BUCKET, FLASHING COLLAR, 8" ROUND HEAVY DUTY CAST IRON GRATE OR APPROVED EQUAL. PROVIDE DEEP SEAL TRAP WITH PRIMING TAP.
CO			CLEANOUT	-	-	-	-	-	-	WALL CLEANOUT WITH CLEANOUT TEE AND CHROME-PLATED BRONZE SQUARE ACCESS COVER AND FRAME. WADE #W-8480 OR APPROVED EQUAL.
CODP			CLEANOUT DECKPLATE	-	-	-	-	-	-	FLOOR CLEANOUT WITH ADJUSTABLE HEAD, ANCHOR FLANGE, CUT-OFF SECTIONS AND ROUND SCORIALIZED NICKEL-BRONZE TOP. WADE #W-6000 OR APPROVED EQUAL. PROVIDE HEAVY DUTY CAST IRON TOP FOR MECHANICAL ROOMS.
HB			HOSE BIB	-	-	-	3/4"	-	-	IN FINISHED AREAS, WASHDOWN FAUCET SHALL BE POLISHED CHROME-PLATED WALL FAUCET WITH WALL FLANGE, 1/2" INLET, 3/4" HOSE THREAD OUTLET AND REMOVABLE LOOSE KEY T-HANDLE: CHICAGO #293-6 WITH #E27 VACUUM BREAKER OR ACCEPTABLE EQUIVALENT.
NFHB			NON FREEZE HOSE BIB	-	-	-	3/4"	-	-	CAST BRASS, THREADED, NON-FREEZE, HEAVY-DUTY HYDRANT WITH NIKALOY BOX AND LOCKING COVER, BRASS OPERATING PARTS, 3/4" HPT HOSE OUTLET, 3/4" IPS OUTSIDE, ELBOW ADAPTER, "I" HANDLE KEY, AND INTEGRAL VACUUM BREAKER/BACKFLOW PREVENTER. WADE #8600.
MV			TEMPERED WATER MIXING VALVE	-	-	-	1"	1"	1"	TEMPERED WATER MIXING VALVE: SHALL BE WATTS MODEL LFL1170-M2, 1" HOT WATER TEMPERATURE CONTROL VALVE. OUTLET WATER TEMPERATURE SHALL BE SET TO 80°F. LEAD FREE VALVE BODY, INTEGRAL CHECK VALVES, MINIMUM SUPPLY PRESSURE 30PSI, OUTLET TEMPERATURE RANGE OF 60-120°F.
NOTE: 1.) SUPPLY MANUFACTURER INDICATED ABOVE OR APPROVED EQUAL.										

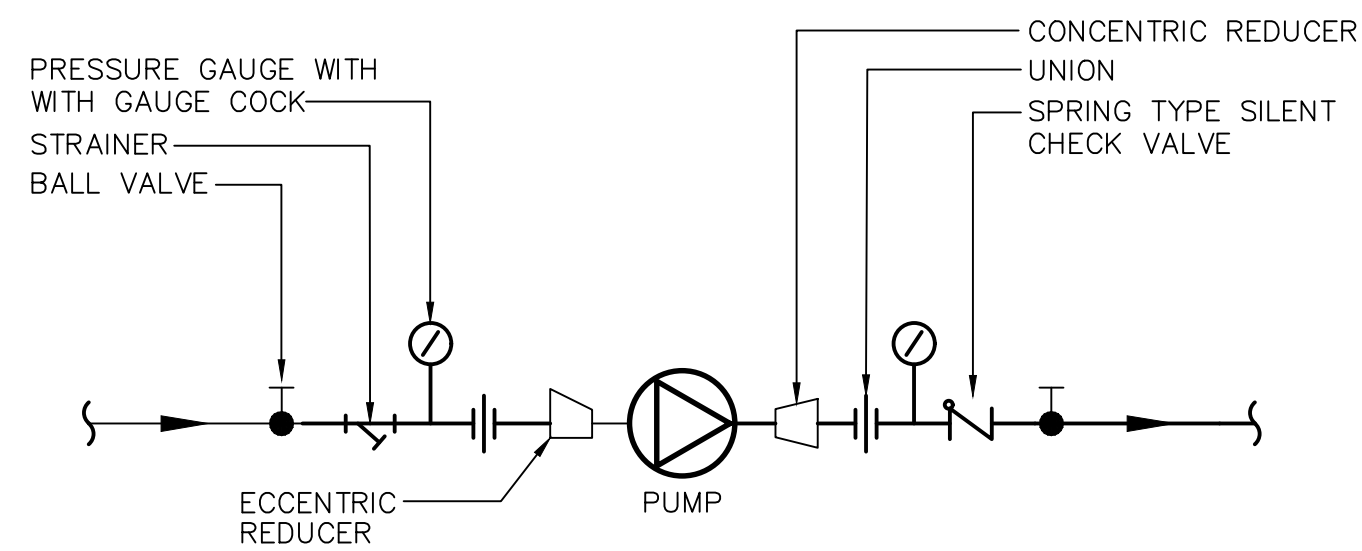


6 VERTICAL PIPE SUPPORT DETAIL
SCALE: NONE



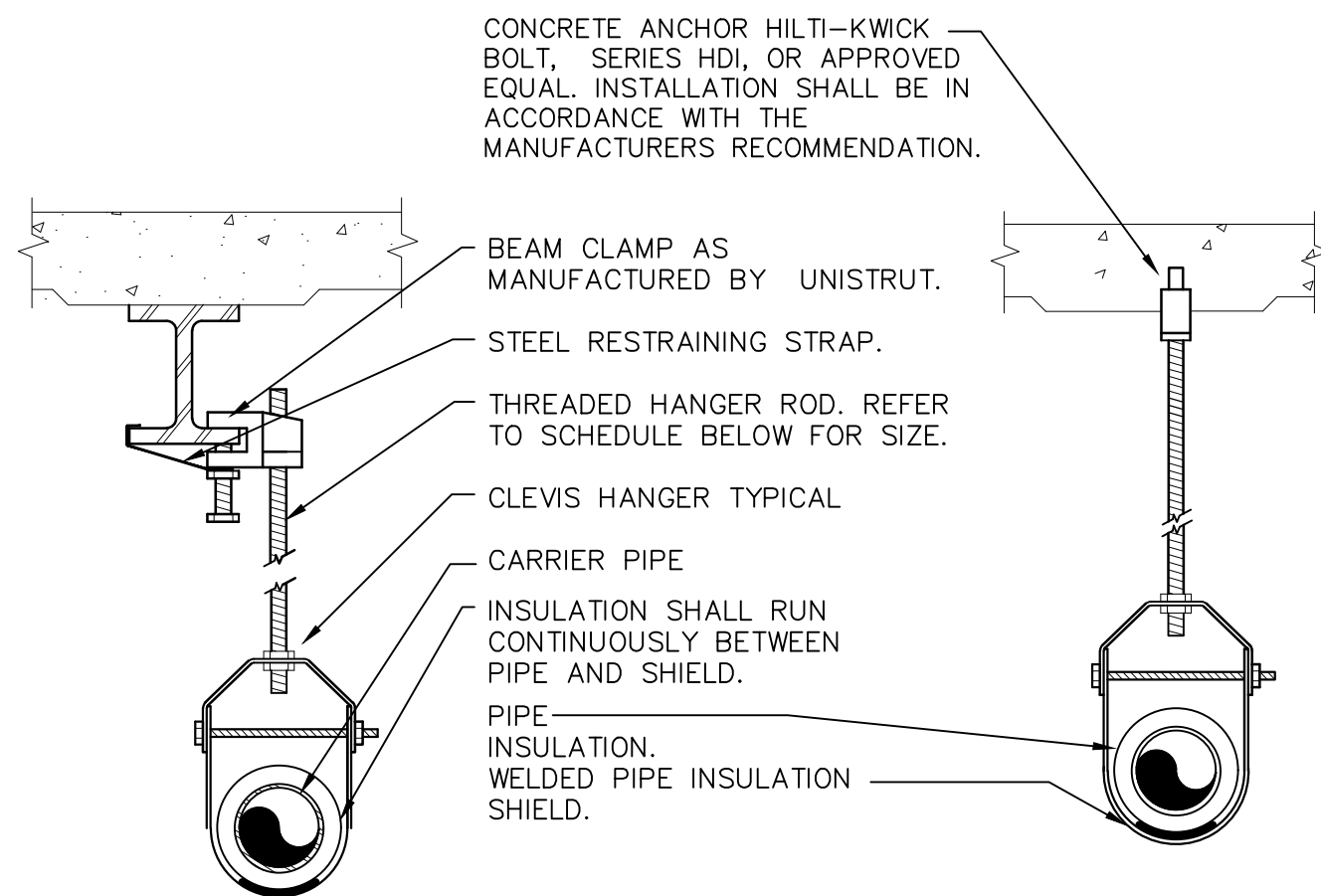
- NOTES:
- 1.) SEAL ASSEMBLY BASED ON THUNDERLINE MODEL "C" LINK-SEAL MODULAR SEAL, WITH EPDM SEAL ELEMENT, COMPOSITE PRESSURE PLATES, STEEL WITH 2-PART ZINC DICHROMATE & ORGANIC COATED NUTS AND BOLTS RATED FOR AN OPERATING TEMPERATURE RANGE OF -40°F TO +250°F.
 - 2.) LINK SEAL ASSEMBLY SHALL BE INSTALLED ON ALL BELOW SLAB FLOOR AND WALL PENETRATIONS.

4 LINK SEAL DETAIL
SCALE: NONE



MAX. GPM	3.5	7	20	43	75
PIPE SIZE	3/4	1	1-1/2	2	2-1/2

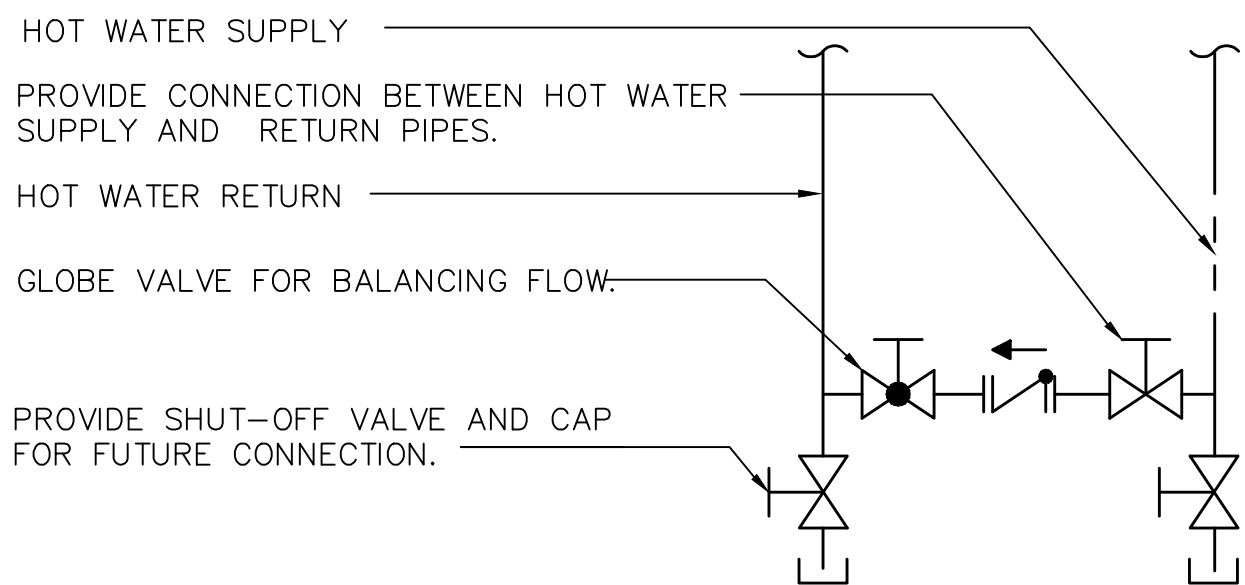
2 IN-LINE PUMP PIPING SCHEMATIC
SCALE: NONE



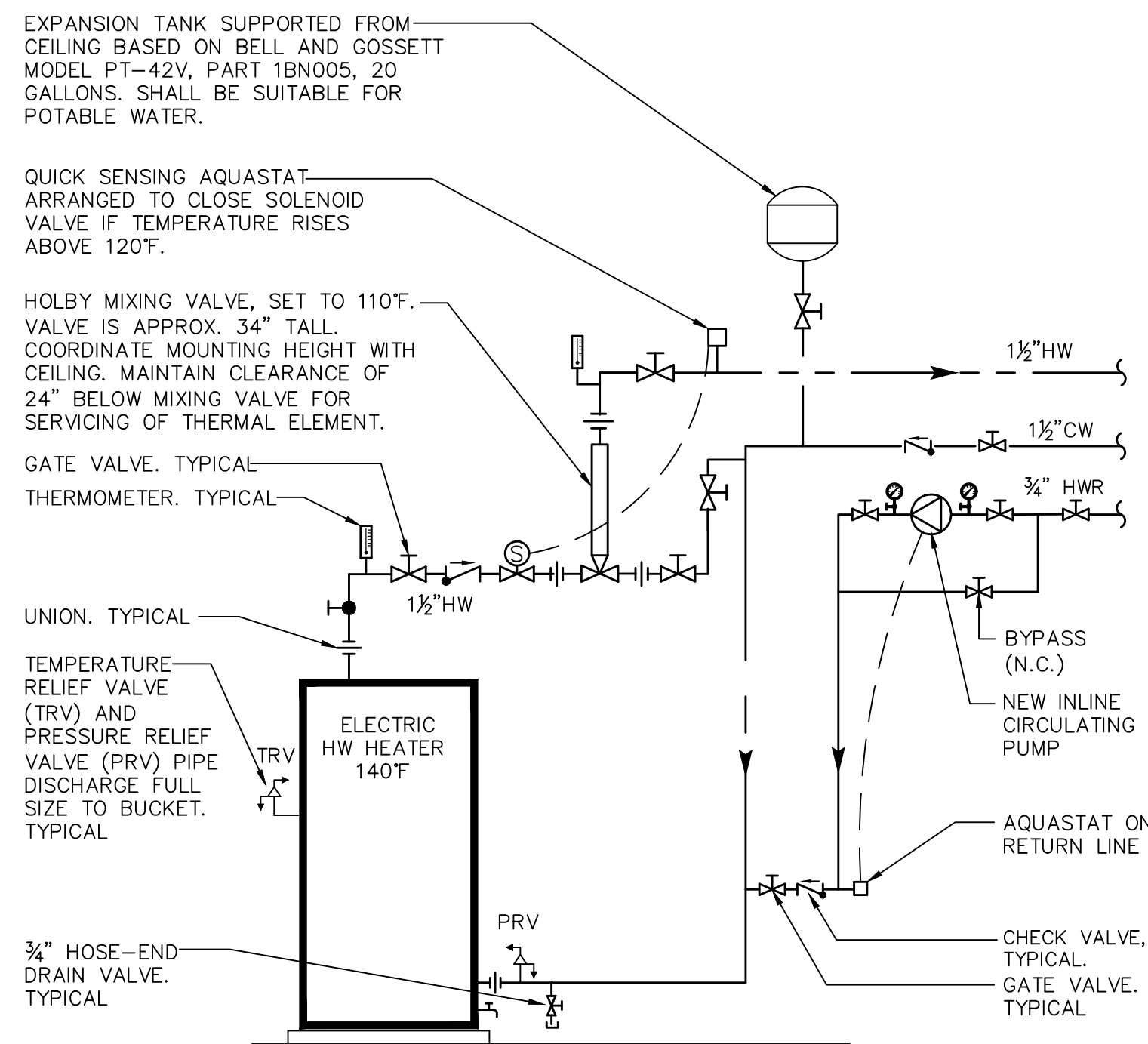
PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

- NOTES:
- 1.) CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
 - 2.) FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
 - 3.) FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
 - 4.) ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
 - 5.) FOR NON-FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.

5 PIPE HANGER DETAIL
SCALE: NONE



3 HOT WATER CONNECTION DETAIL
SCALE: NONE



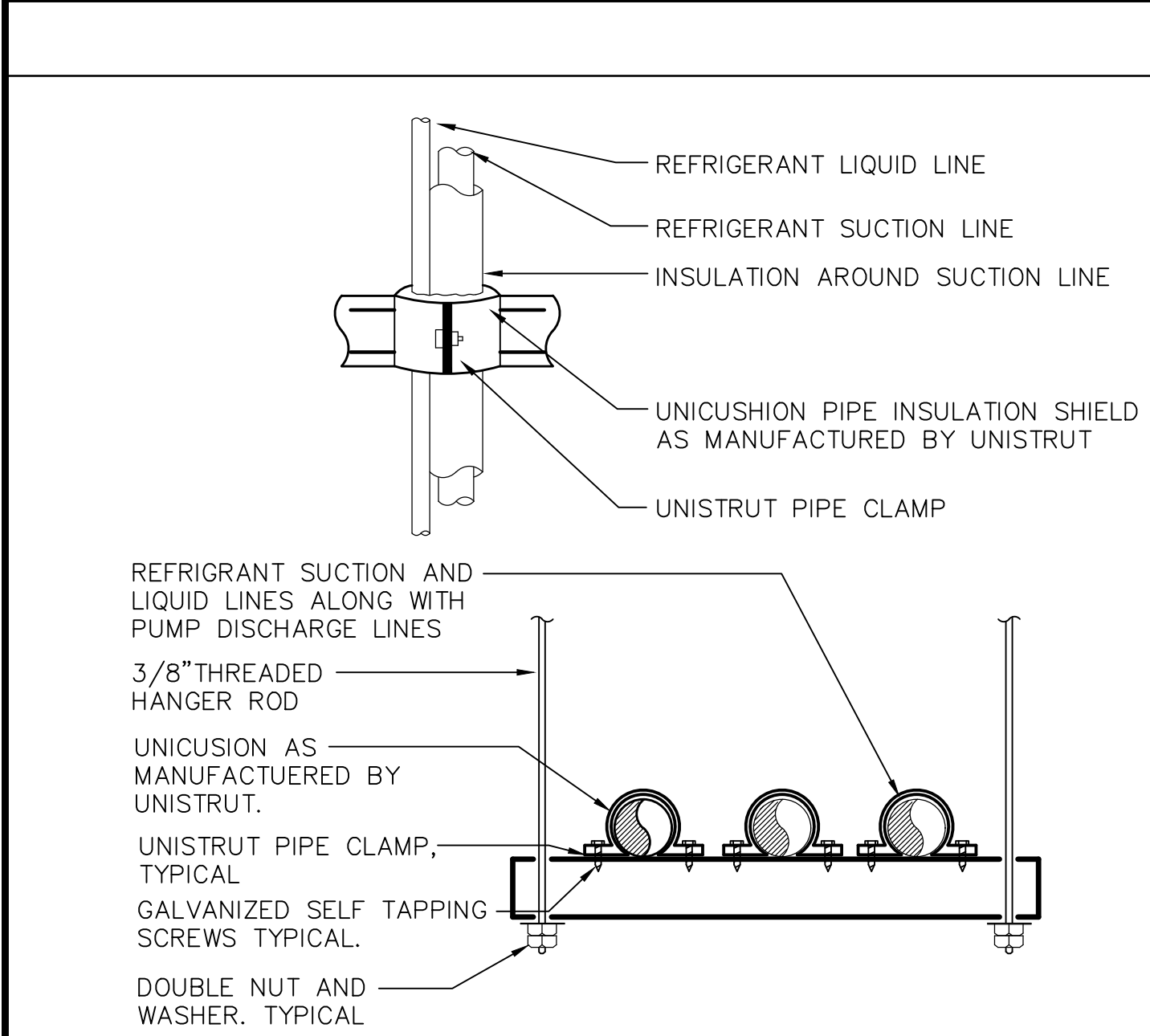
- NOTES:
- 1.) MOUNT HOT WATER HEATER ON 3" HOUSEKEEPING PAD.

1 HOT WATER HEATER PIPING SCHEMATIC
SCALE: NONE

OLA Consulting Engineers 60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR SIGNATURE _____ TITLE _____			PROJECT COORDINATOR SIGNATURE _____ TITLE _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING			NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY, PLUMBING DETAILS		
CONTRACT NUMBER 15-553		SHEET NUMBER P-701		SCALE: AS NOTED DATE: 6/18/21	
DPW FILE NO. 2-02-P-84-0		REV. NO. 0			

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

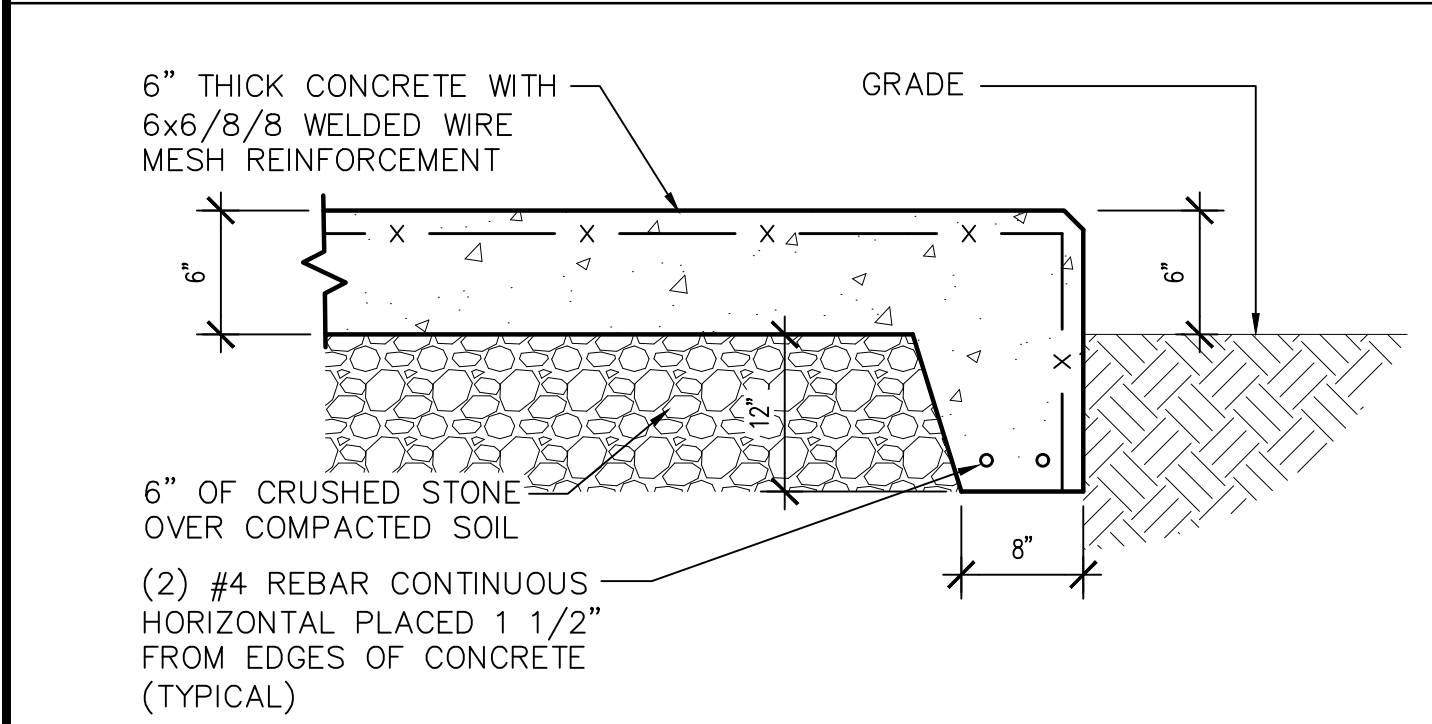
IN CHARGE OF: _____
CHECKED BY: _____
MADE BY: _____



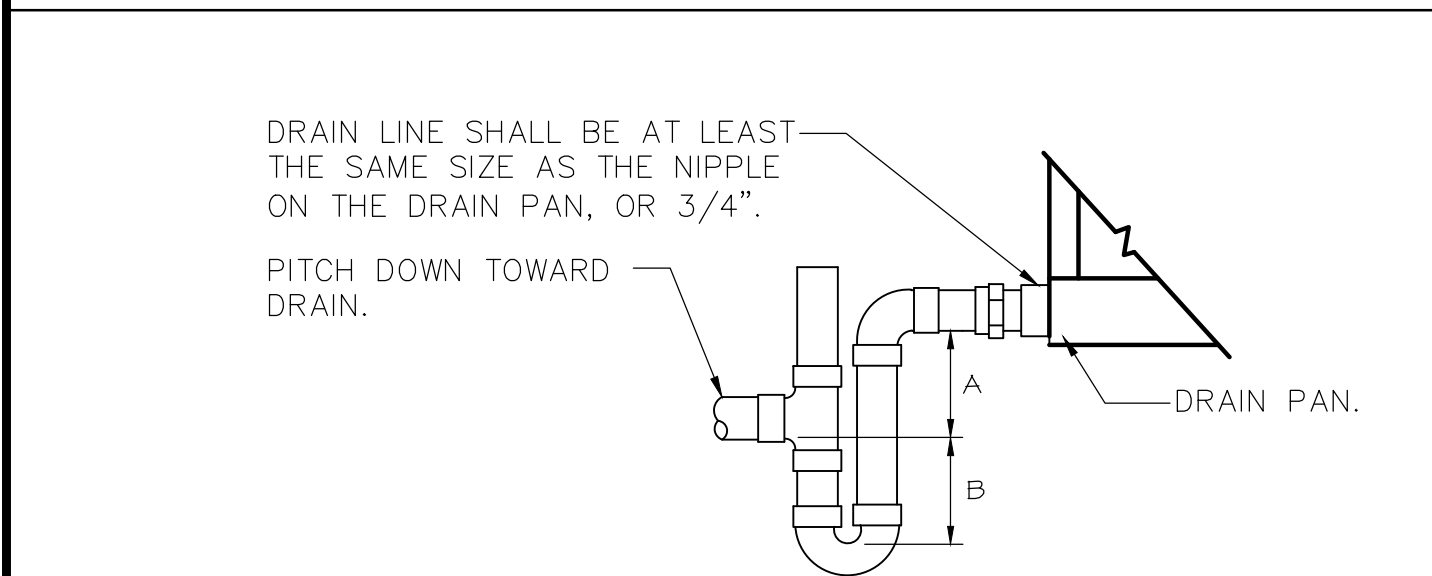
NOTES:

- LIQUID AND SUCTION LINES MAY BE ROUTED TOGETHER FOR CONVENIENCE, BUT MUST BE COMPLETELY INSULATED FROM EACH OTHER. DO NOT SOLDER LIQUID AND SUCTION LINES TOGETHER. DO NOT ALLOW METAL TO METAL CONTACT.
- LINES SHOULD BE INSTALLED WITH AS FEW BENDS AS POSSIBLE, ALLOWING SERVICE ACCESS TO THE INDOOR COIL.
- USE LONG RADIUS ELBOWS WHEREVER POSSIBLE, EXCEPT IN OIL RETURN TRAPS, WHERE SHORT RADIUS ELBOWS SHOULD BE USED.
- SLOPE HORIZONTAL SUCTION LINES 1 INCH EVERY 20 FEET TOWARD THE OUTDOOR UNIT.

3 REFRIGERANT PIPE SUPPORT DETAIL
 SCALE: NONE



2 CONCRETE EQUIPMENT
 SUPPORT PAD DETAIL
 SCALE: NONE



NOTES:

- DRAW THRU UNITS; DIMENSION A (DEPTH OF SEAL) SHALL BE 2" MINIMUM AND DIMENSION B SHALL BE 1.2 x THE STATIC PRESSURE OF THE UNIT.
- BLOW THRU UNITS; DIMENSION A (DEPTH OF SEAL) SHALL BE 1" MINIMUM AND DIMENSION B SHALL BE 2.0 x THE STATIC PRESSURE OF THE UNIT.

1 AIR CONDITIONING UNIT
 CONDENSATE DRAIN DETAIL
 SCALE: NONE

LEGAL NOTICE:

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

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

IN CHARGE OF: SA
 CHECKED BY: RS
 MADE BY: CD

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
—	AD	ACCESS DOOR
—	AFF	ABOVE FINISHED FLOOR
—	AHC	ABOVE HUNG CEILING
—	AP	ACCESS PANEL
—	BDD	BACKDRAFT DAMPER
—	BMS	BUILDING MANAGEMENT SYSTEM
—	BHP	BRAKE HORSEPOWER
—	BTU	BRITISH THERMAL UNIT
—	CFM	CUBIC FEET PER MINUTE
—	DDC	DIRECT DIGITAL CONTROL
—	DIA. OR Ø	DIAMETER
—	EA	EXHAUST AIR
—	EL	ELEVATION
—	ER	EXHAUST REGISTER
—	ESP	EXTERNAL STATIC PRESSURE
—	FPM	FEET PER MINUTE
—	FPS	FEET PER SECOND
—	HP	HORSE POWER
—	KX	KITCHEN EXHAUST
—	LAT	LEAVING AIR TEMPERATURE
—	LF	LINEAR FEET
—	MBH	1000 BRITISH THERMAL UNITS PER HOUR
—	PSI	POUNDS PER SQUARE INCH
—	SP	STATIC PRESSURE
—	TSP	TOTAL STATIC PRESSURE
—	TYP.	TYPICAL
—	WMS	WIRE MESH SCREEN
— CD —	—	CONDENSATE DRAIN
— CW —	—	COLD WATER MAKE-UP
— D —	—	DRAIN
— EX. —	—	EXISTING TO REMAIN
--- REL. ---	—	REMOVE AND RELOCATE
— NEW —	—	NEW WORK
--- DEM. ---	—	EXISTING TO BE REMOVED
⊙	—	SMOKE DETECTOR
⌋	—	DOOR UNDER CUT
↗	—	AIR INTO REGISTER
⊙	—	SPEED CONTROLLER
⊗	—	POINT OF CONNECTION DISCONNECTION
⊠	ER	EXHAUST REGISTER
⊠	—	SUPPLY AIR/OUTSIDE AIR INTAKE DUCT UP
⊠	—	SUPPLY AIR/OUTSIDE AIR INTAKE DUCT DOWN
⊠	—	RETURN/EXHAUST/SPILL AIR DUCT UP
⊠	—	RETURN/EXHAUST/SPILL AIR DUCT DOWN
+++++	—	ALUMINUM DUCT
----	AL	ACOUSTIC LINING
⌋	FD/AD	FIRE DAMPER W/ ACCESS DOOR
⌋	VD	VOLUME DAMPER
6x8	—	DUCT SIZE -- 1ST FIGURE IS SIDE SHOWN
⌋	FC	FLEXIBLE CONNECTION
SECTION	—	SECTION CALLOUT

GENERAL NOTES



- CONTRACT DRAWINGS, AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, SHEET METAL, AND PIPING, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO EQUIPMENT, SHEET METAL, AND PIPING LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST, AND MUST BE APPROVED BY THE ENGINEER.
- ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR HVAC EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE MECHANICAL CONTRACTOR FOR HVAC EQUIPMENT SHALL BE HEAVY DUTY TYPE.
- THE MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK, AND SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- DUCT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR DUCT DIMENSIONS. WHERE DUCTWORK IS LINED, THE MECHANICAL CONTRACTOR SHALL INCREASE THE SIZE OF DUCT TO COMPENSATE FOR LINING.
- THE MECHANICAL CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING AND SMOKE DETECTORS, LIGHTS, CONDUITS, SMOKE DETECTORS, ETC.
- ALL WORK SHALL COMPLY WITH STATE BUILDING CODE, LOCAL BUILDING CODE, AND ENERGY CODE REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
- THE OWNER'S PERMANENT HVAC NEW EQUIPMENT SHALL NOT BE USED BY ANY CONTRACTOR DURING CONSTRUCTION FOR TEMPORARY HEATING, COOLING, OR VENTILATION. IF TEMPORARY HEATING, COOLING, OR VENTILATION IS REQUIRED AT ANY POINT DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY HEATING, COOLING, OR VENTILATION EQUIPMENT, DUCTWORK, CONTROLS, AND POWER AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, ACCESS PANELS, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF HVAC DUCTWORK, CONTROL CONDUITS, AND PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE MECHANICAL WORK.

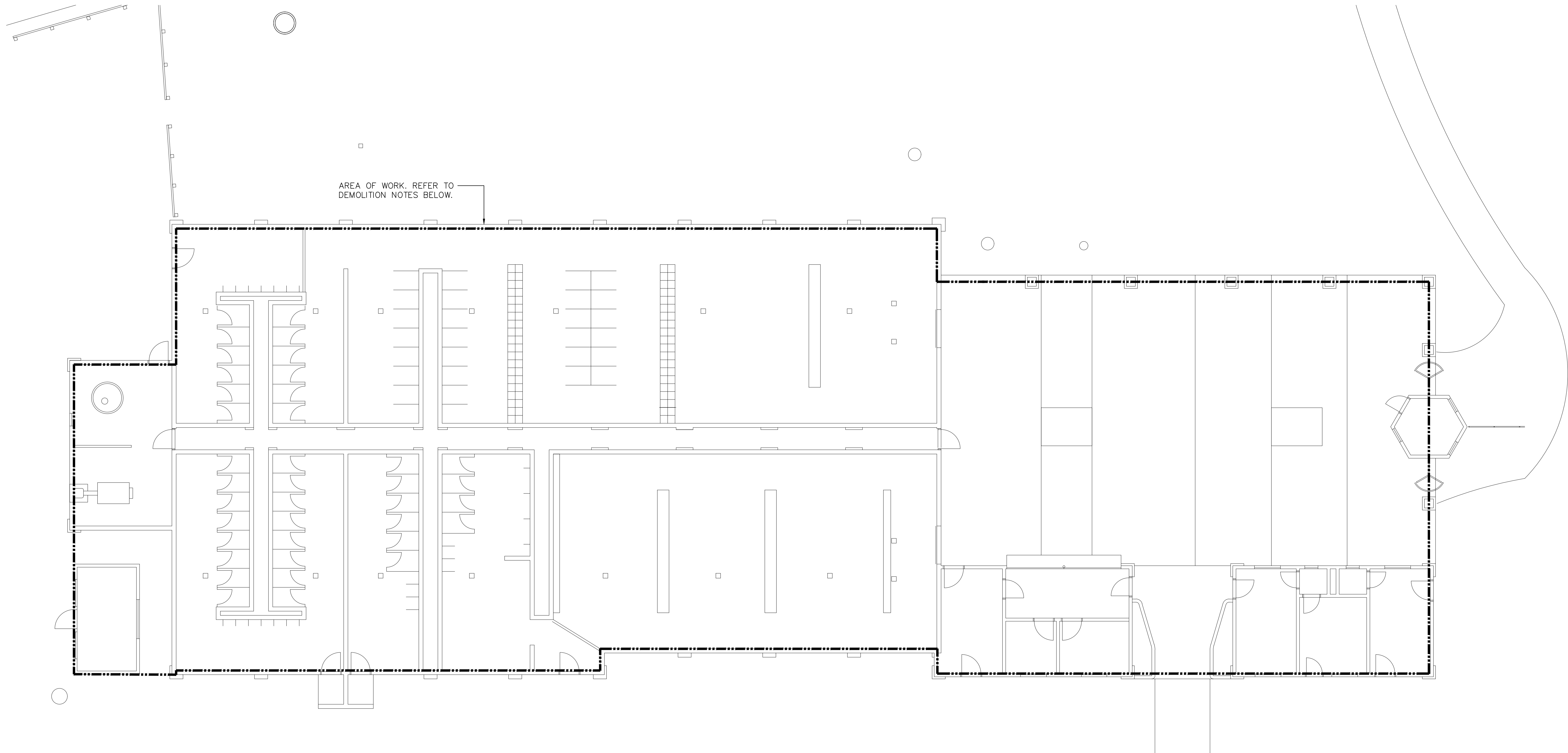
EQUIPMENT NOTES

- ELECTRIC BASEBOARD HEATER EH-1: SHALL BE MARKEL MODEL E2906-036C, 36"LONG X 6"HIGH X 2-1/2"DEEP, 600 WATTS, 2040 BTU/H, 120V/1ø/60Hz, 5 AMPS, STAINLESS STEEL ELEMENT, ALUMINUM FINS, FACTORY PAINTED WHITE. FURNISH AND INSTALL THE FOLLOWING FIELD-INSTALLED OPTIONS: THERMOSTAT & DISCONNECT SWITCH.

MULTI-ZONE AC SYSTEM - INDOOR UNIT SCHEDULE		
INDOOR UNIT DESIGNATION	AC-A	
MANUFACTURER	DAIKIN	
MODEL	CTXS07LVJU	
TYPE	WALL MOUNTED	
COOLING CAPACITY (TOTAL)(MBH)	7.0	
HEATING CAPACITY (MBH)	8.75	
REFRIGERANT TYPE	R410A	
LIQUID LINE (INCHES)	1/4	
HOT GAS LINE (INCHES)	3/8	
CONDENSATE LINE (INCHES)	5/8	
CFM (LOW/MED/HIGH)	194/264/332	
VOLTS/ø/Hz	208/1/60	
MCA (AMPS)	.11	
NOTES:		
1. FIELD SUPPLIED LOCAL DISCONNECT SWITCH AT EACH INDOOR UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.		
2. UNIT SHALL INCLUDE INTERNAL CONDENSATE PUMP.		
3. REMOTE DETECTION UNIT -- TO BE FIELD INSTALLED IN THE INDOOR AC UNIT CASSETTE.		
4. ·CONNECTOR AND CONNECTOR PROTECTOR.		
5. ·DETECTOR INSTALLATION KIT.		
6. ·ALARM CONTACT ARRANGED TO SHUT DOWN AC UNIT UPON PUMP FAILURE.		

MULTI-ZONE AC SYSTEM - OUTDOOR CONDENSING UNIT SCHEDULE			
OUTDOOR UNIT DESIGNATION	ACC-A		
LOCATION	GRADE		
MANUFACTURER	DAIKIN		
MODEL	3MXS24NMVJU		
TYPE	HEAT PUMP		
REFRIGERANT TYPE	R410A		
NOMINAL COOLING / HEATING CAPACITY (MBH)	24/24		
LIQUID LINE (INCHES)	1/4 (x3)		
HOT GAS LINE (INCHES)	3/8 (x3)		
VOLTS/ø/Hz	208/1/60		
MCA/MOCP	18.7/20		
SEER	14-18		
WEIGHT (LBS.)	137		
HEIGHT x WIDTH x LENGTH (IN)	29x34x12		
MULTI-ZONE AC SYSTEM - UNIT COMBINATIONS			
OUTDOOR UNIT DESIGNATION	ACC-A		
INDOOR UNITS SERVED	AC-A (LIFEGUARD)		
	AC-A (FIRST AID)		
	AC-A (POLICE)		
NOTES:			
1. OUTDOOR CONDENSERS SERVE MULTIPLE INDOOR UNITS. REFER TO SCHEDULE FOR INDOOR/OUTDOOR UNIT CONFIGURATIONS. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PIPING DETAILS.			
2. PROVIDE THE FOLLOWING OPTIONS FOR EACH UNIT:			
·0" LOW AMBIENT CONTROLS.			
·7-DAY PROGRAMMABLE WIRED SYSTEM CONTROLLER WITH ALARM OUTPUT.			
2. FIELD SUPPLIED WEATHERPROOF LOCAL DISCONNECT SWITCH AT EACH OUTDOOR UNIT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR & INSTALLED BY THE ELECTRICAL CONTRACTOR.			
3. SINGLE POINT EXTERNAL POWER CONNECTION FOR EACH INDOOR/OUTDOOR SET OF UNITS SHALL BE AT THE OUTDOOR UNIT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING FROM THE OUTDOOR UNIT TO THE INDOOR UNIT.			
4. THE AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE CONTROL WIRING BETWEEN THE OUTDOOR UNIT AND INDOOR UNIT.			

<div>OLA Consulting Engineers</div> <div><div>60 Broadway, Hawthorne, NY 10532 914.747.2800</div><div>8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110</div><div>ola.ce.com</div></div>				<div></div>	
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<div><input type="checkbox"/> AS BUILT – CHANGES AS NOTED</div> <div><input type="checkbox"/> AS BUILT – NO CHANGES</div>					
CONTRACTOR			PROJECT COORDINATOR		
NAME _____			NAME _____		
SIGNATURE _____			SIGNATURE _____		
TITLE _____ DATE _____			TITLE _____ DATE _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY MECHANICAL SYMBOLS, ABBREV, NOTES & SCHEDULES			CONTRACT NUMBER	SHEET NUMBER	
			15-553	M-001	
			SHEET NO. 41 OF 53		
			SCALE: AS NOTED DATE: 6/18/21		
			DPW FILE NO. 2-02-M-85-0	REV. NO. 0	



DEMOLITION NOTES:



- 1.) ALL EXISTING MECHANICAL EQUIPMENT AND ASSOCIATED ACCESSORIES, DUCTWORK, PIPING, POWER, SPECIALTIES, CONTROLS AND WIRING COMPLETE SHALL BE DEMOLISHED UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
- 2.) MECHANICAL CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID IN ORDER TO ACCOMMODATE THE NEW CONSTRUCTION.
- 3.) ASBESTOS ABETMENT WORK TO BE DONE BY OTHERS. COORDINATE WITH THE ASBESTOS ABATEMENT CONTRACTOR FOR WORK RELATED TO MECHANICAL ITEMS. REFER TO THE ASBESTOS ABATEMENT PLANS.

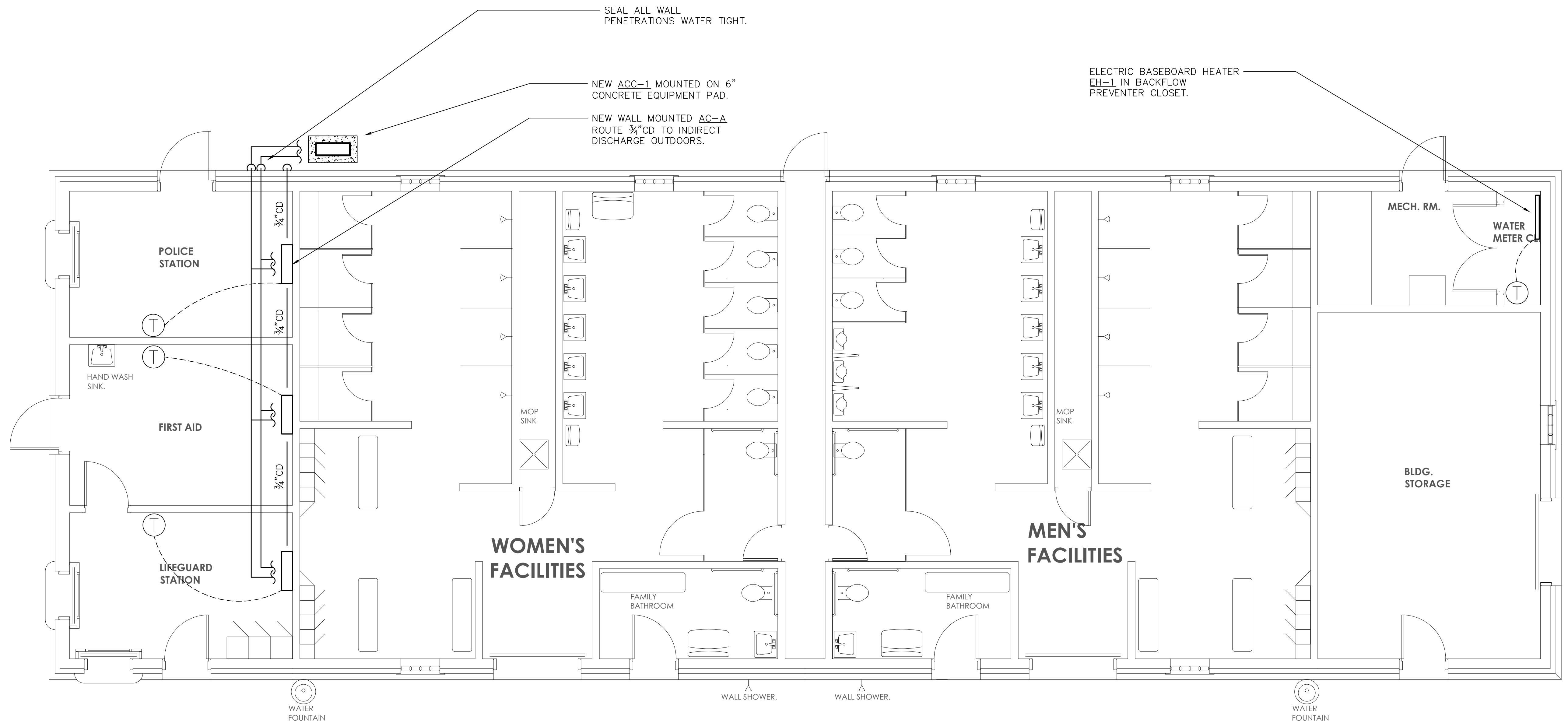


1 BATH HOUSE MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

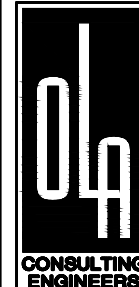

IN CHARGE OF: SA
CHECKED BY: RS
MADE BY: CD

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

 OLA Consulting Engineers 60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR			PROJECT COORDINATOR		
NAME SIGNATURE TITLE			NAME SIGNATURE TITLE		
DATE			DATE		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553	SHEET NUMBER M-101
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY MECHANICAL DEMOLITION PLAN				SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-M-86-0	REV. NO. 0




 **1** BATH HOUSE MECHANICAL NEW WORK PLAN
SCALE: 1/4" = 1'-0"

 OLA Consulting Engineers 60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com							
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION			
RECORD DRAWING CERTIFICATION							
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES							
CONTRACTOR				PROJECT COORDINATOR			
NAME SIGNATURE		DATE		NAME SIGNATURE		DATE	
TITLE		TITLE		TITLE		REV. NO.	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553		SHEET NUMBER M-201	
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY MECHANICAL NEW WORK PLAN				SCALE: AS NOTED DATE: 6/18/21		DPW FILE NO. 2-02-M-87-0	
						REV. NO. 0	

IN CHARGE OF: SA
CHECKED BY: RS
MADE BY: CD

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
	—	CONDUIT AND WIRING		CU	COPPER
	---	CONDUIT & WIRING TO BE REMOVED UON		CUH	CABINET UNIT HEATER
	—UG—	BURIED CONDUIT		DEM.	DEMOLISH AND REMOVE
	—OH—	OVERHEAD CONDUCTORS		DISC	DISCONNECT
		HOMERUN TO PANEL, ARROWS INDICATE # 1P		DWG	DRAWING
		MULTI-POLE HOMERUN		EMT	ELECTRICAL METALLIC TUBING
		ELECTRICAL EQUIPMENT AS INDICATED		EM	EMERGENCY
		ELECTRICAL EQUIPMENT TO BE REMOVED UON		EX.	EXISTING TO REMAIN
		ELECTRIC METER		F	FLOOR
		JUNCTION BOX		FC	FAN COIL UNIT
		FUSED DISCONNECT SWITCH		GFI	GROUND FAULT INTERRUPTER
		UNFUSED DISCONNECT SWITCH		HP	HORSEPOWER
		COMBINATION MOTOR STARTER/FUSED DISC.		IMC	INTERMEDIATE METAL CONDUIT
		MOTOR STARTER		KVA	KILO-VOLT-AMPERE
		MOTOR		KW	KILO-WATT
		BATTERY PACK EMERGENCY LIGHT FIXTURE		MAX	MAXIMUM
		EXIT LIGHT, FACES-SHADED, CHEVRON-ARROW		MCB	MAIN CIRCUIT BREAKER
	S _x	SINGLE POLE SWITCH (x – INDICATES FIXTURE BEING CONTROLLED)		MIN	MINIMUM
	S _x ³	THREE WAY SWITCH (x – INDICATES FIXTURE BEING CONTROLLED)		MLO	MAIN LUG ONLY
	S _M	MOTOR RATED TOGGLE SWITCH		NIC	NOT IN CONTRACT
	S _k	KEY OPERATED SINGLE POLE SWITCH		NTS	NOT TO SCALE
		DUPLEX RECEPTACLE		P	POLE
		DOUBLE DUPLEX RECEPTACLE		PBO	PROVIDED BY OTHERS
		SPECIAL RECEPTACLE		PNL	PANEL
		TELEPHONE OUTLET		PT	PRESSURE TREATED
		COMBINATION TELEPHONE/DATA OUTLET		PVC	POLY VINYL CHLORIDE
		ELECTRIC HAND DRYER		REL.	REMOVE AND RELOCATE
	EPO	EMERGENCY POWER OFF SWITCH		RGS	RIGID GALVANIZED STEEL
	CB	CIRCUIT BREAKER		SCH	SCHEDULE
		ENCLOSED CIRCUIT BREAKER		SW	SWITCH(ES)
	GND	GROUND AS PER LOCAL CODE		TELCO	TELEPHONE COMPANY
		GROUND BAR		TYP	TYPICAL
		GROUND ROD		UG	UNDERGROUND
	WM	WATER MAIN		UON	UNLESS OTHERWISE NOTED
		BOILER BREAK GLASS STATION		VIF	VERIFY IN FIELD
		WALL MOUNTED OCCUPANCY SENSOR		V	VOLT(S)
		CEILING MOUNTED OCCUPANCY SENSOR		WG	WIRE GUARD
	A	AMPERE(S)		WH	WATER HEATER
	AFF	ABOVE FINISHED FLOOR		WP	WEATHERPROOF
	AF	AMPERAGE OF FUSE			
	AGL	ABOVE GRADE LEVEL			
	AHU	AIR HANDLING UNIT			
	AS	AMPERAGE OF SWITCH			
	AWG	AMERICAN WIRE GAUGE			
	BLDG	BUILDING			
	C	CONDUIT			
	CKT	CIRCUIT			
	CLG	CEILING			
	COL	COLUMN			

NOTES:
1.) ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE APPLICABLE FOR THIS PROJECT.
2.) SEE LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE SYMBOLS.

GENERAL NOTES

- 1.) ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
- 2.) THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.
- 3.) THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.
- 4.) ALL WORK INVOLVING THE ELECTRIC SERVICE SHALL BE COORDINATED AND APPROVED BY THE UTILITY COMPANY.
- 5.) ALL CONDUCTORS SHALL BE COPPER UON "ON DRAWINGS".

6.) CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD.

7.) CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.

8.) FOR EACH WALL MOUNTED COMMUNICATIONS OUTLET, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1 INCH CONDUIT WITH DRAGLINE 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE BY ELECTRICAL CONTRACTOR.

9.) COMMUNICATION WIRING BY ELECTRICAL CONTRACTOR. COORDINATE COMMUNICATION JACKS WITH CLIENT/REPRESENTATIVE, TYPICAL. CONTRACTOR SHALL PROVIDE (2) CAT6 CABLE PER LOCATION FROM THE MECH. RM. COORDINATE WORK WITH CLIENT'S IT VENDOR.

10.) WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.

11.) INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.

12.) UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.

DEFINITION OF TERMS

- 1.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "WESTCHESTER COUNTY PARKS" IS INTENDED.
- 2.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "BUSING ASSOCIATES ARCHITECTS, LLC" IS INTENDED.
- 3.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.
- 4.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "ELECTRICAL UTILITY" OR "POWER COMPANY" ARE USED, IT MUST BE UNDERSTOOD THAT "CON EDISON" IS INTENDED.
- 5.) WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "TELEPHONE UTILITY" OR "TELCO" ARE USED, IT MUST BE UNDERSTOOD THAT "VERIZON" IS INTENDED.
- 6.) "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.
- 7.) "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.
- 8.) "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.
- 9.) "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.
- 10.) THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:

A.) "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE.

B.) "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.

C.) "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.

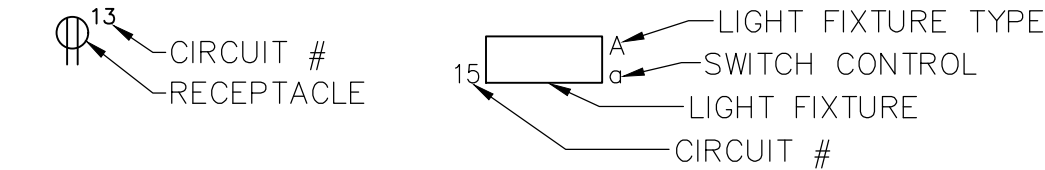
D.) "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.

PV SYSTEM



1.) ELECTRICAL CONTRACTOR SHALL PROVIDE (1) 2" EMPTY CONDUIT WITH DRAGLINES BETWEEN THE ROOF AND THE MECH. ROOM FOR THE PV SYSTEM. COORDINATE FINAL LOCATION WITH PV INSTALLER.

TYPICAL BRANCH CIRCUIT WIRING LEGEND

- > 2-#12 & 1-#12 GND (1-1P-20A OR 1-1P-15A CB)
—> 3-#12 & 1-#12 GND (3P-20A OR 3P-15A CB)
—> 2-#12 & 1-#12 GND (2P-20A OR 2P-15A CB)



NOTES:
1.) EACH 120V AND 277V CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
2.) CONDUCTORS SHALL BE INCREASED FOR VOLTAGE DROP AND DERATING AS PER APPLICABLE ELECTRICAL CODE. FOR CIRCUITS THAT ARE BETWEEN 100' AND 150' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #10 AWG. FOR CIRCUITS THAT ARE BETWEEN 150' AND 225' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #8 AWG. FOR LENGTHS GREATER THAN 225' IN LENGTH, VERIFY CONDUCTOR SIZES WITH ENGINEER.

OLA Consulting Engineers  60 Broadway, Hawthorne, NY 10592 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com							
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION			
RECORD DRAWING CERTIFICATION							
<input type="checkbox"/> AS BUILT – CHANGES AS NOTED <input type="checkbox"/> AS BUILT – NO CHANGES							
CONTRACTOR				PROJECT COORDINATOR			
NAME SIGNATURE TITLE		DATE		NAME SIGNATURE TITLE		DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553 SHEET NO. 44 OF 53 SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-E-88-0			
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY				REV. NO. 0			
ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES							

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

SPECIFICATIONS

E-1 SCOPE OF WORK

A.) ALL WORK SHOWN ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED EXISTING TO REMAIN (EX.). THIS CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPERVISION AND OVERHEAD FOR THE FURNISHING AND INSTALLING OF ALL THE ELECTRICAL AND RELATED WORK COMPLETE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1.) MODIFICATION OF EXISTING PANELBOARDS, BALANCING AND UPDATED TYPED DIRECTORIES.
- 2.) REMOVAL, DISPOSAL, RELOCATION AND/OR INSTALLATION OF EXISTING ELECTRICAL LIGHTING FIXTURES, SWITCHES, RECEPTACLES, WIRING, PANELBOARDS, TRANSFORMERS, DISCONNECT SWITCHES AND ASSOCIATED CONDUIT AND ANY OTHER ELECTRICAL EQUIPMENT.
- 3.) LIGHTING FIXTURES, COMPLETE WITH NECESSARY HANGER ASSEMBLIES, STEMS AND SWIVELS, COUPLINGS, LAMP AUXILIARIES, LAMPS, MISCELLANEOUS MOUNTING DEVICES AND HARDWARE TO MEET THE BOCA SEISMIC REQUIREMENTS.
- 4.) JUNCTION AND OUTLET BOXES COMPLETE WITH COVERS, SWITCHES, RECEPTACLES AND ANY OTHER WIRING DEVICES AND SPECIAL COVERPLATES.
- 5.) CONDUIT, CONDUIT FITTINGS, OUTLET BOXES, JUNCTION AND PULL BOXES, TROUGHS, WIREWAYS AND ALL APPURTENANCES NECESSARY FOR ELECTRICAL RACEWAY SYSTEMS, INCLUDING NECESSARY SUPPORTS AND FASTENERS.
- 6.) INSULATED CONDUCTORS COMPLETE WITH SPLICES AND CONNECTIONS, INCLUDING CONNECTORS AND CONNECTION LUGS.
- 7.) GROUNDING AND BONDING SYSTEM.
- 8.) HOLES AND SLEEVES FOR CONDUITS PASSING THROUGH WALLS, FLOORS AND PARTITIONS.
- 9.) TAGGING AND IDENTIFYING ALL EQUIPMENT AND DEVICES WITH NAMEPLATES.
- 10.) FIELD TESTS OF ALL EQUIPMENT AND ITS OPERATIONS AS SPECIFIED.
- 11.) CUTTING AND PATCHING AS REQUIRED FOR INSTALLATION OF ELECTRICAL WORK.
- 12.) TEMPORARY POWER AND LIGHT AS REQUIRED.
- 13.) AS-BUILT DRAWINGS.

E-2 MATERIAL AND WORKMANSHIP

- A.) GENERAL:
- 1.) THE WORK PERFORMED SHALL BE "FIRST-CLASS WORK" IN EVERY RESPECT. THE WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIANS SKILLED IN THEIR RESPECTIVE TRADES, WHO SHALL AT ALL TIMES BE UNDER THE SUPERVISION OF COMPETENT PERSONS.
 - 2.) WORK THAT IS SLIPSHOD, POORLY LAID OUT, NOT PERFECTLY ALIGNED, OR THAT IS NOT CONSISTENT WITH THE REQUIREMENTS GENERALLY ACCEPTED IN THE TRADE FOR "FIRST-CLASS WORK" SHALL NOT BE ACCEPTABLE.
 - 3.) IN ADDITION TO THE MATERIALS SPECIFIED ELSEWHERE, ALL OTHER MISCELLANEOUS ITEMS NECESSARY FOR THE COMPLETION OF THE WORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR TO THE EXTENT THAT ALL SYSTEMS BE COMPLETE AND OPERATIVE.
 - 4.) ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS SECTION SHALL BE NEW AND LISTED AND/OR LABELED BY THE UNDERWRITERS' LABORATORIES, INC., FOR THE APPLICATION, UNLESS OTHERWISE SPECIFIED. HEREIN, MATERIALS, MATERIAL SIZES AND METHOD OF CONSTRUCTION NOT SPECIFIED SHALL BE AT LEAST EQUAL TO OR BETTER THAN THE STANDARDS AS LISTED BY THE UNDERWRITERS' LABORATORIES, INC., AND/OR THE REQUIREMENTS OF THE LAWS, REGULATIONS AND CODES MENTIONED HEREINAFTER. DEFECTIVE MATERIALS OR MATERIALS DAMAGED IN THE COURSE OF INSTALLATION OR TESTS SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE APPROVAL OF THE CLIENT.
 - 5.) ALL WORK UNDER THIS SECTION SHALL BE PERFORMED IN COOPERATION WITH THE WORK BY ALL OTHER CONTRACTORS AND SUBCONTRACTORS ON THE PROJECT, IN ORDER TO AVOID INTERFERENCES AND TO SECURE THE PROPER INSTALLATION OF ALL WORK. THIS CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS COVERING THE WORK TO BE PERFORMED UNDER ALL SECTIONS, SO THAT HE UNDERSTANDS THE RELATION AND EXTENT OF THE WORK OF THIS SECTION WITH RESPECT TO THE WORK OF THE OTHER SECTIONS.
 - 6.) ALL WORK SHALL BE COORDINATED WITH THE OWNER & CLIENT AND SHALL MEET ALL CLIENT STANDARDS WHERE APPLICABLE AND SHALL BE SUBJECT TO APPROVAL FROM AN AUTHORIZED CLIENT REPRESENTATIVE. ALL MATERIALS USED SUCH AS CONDUIT, WIRING, LIGHT FIXTURES, WIRING DEVICES, ETC. SHALL MEET CLIENT STANDARDS UNLESS OTHERWISE INDICATED.

E-3 LAWS, REGULATIONS AND CODES

- A.) GENERAL:
- 1.) ALL WORK UNDER THIS SECTION SHALL COMPLY WITH THE APPLICABLE FEDERAL, STATE, LOCAL CODES AND AUTHORITIES. WHERE REFERENCE IS MADE TO LAWS, CODES, REGULATIONS AND STANDARDS, THESE DOCUMENTS, INCLUDING THE LATEST REVISIONS AND AMENDMENTS THERETO IN EFFECT AS OF THE DATE OF BID OPENING, SHALL FORM PART OF THESE SPECIFICATIONS.

E-4 SHOP DRAWINGS

A.) GENERAL: MANUFACTURER'S DATA OR SHOP DRAWINGS OF THE FOLLOWING APPARATUS GIVING FULL INFORMATION AS TO DIMENSIONS, MATERIALS, AND ALL INFORMATION PERTINENT TO THE ADEQUACY OF THE SUBMITTED EQUIPMENT INCLUDING WIRING DIAGRAMS SHALL ALSO BE SUBMITTED FOR APPROVAL AS DIRECTED:

- 1.) LIGHTING FIXTURES (BALLAST, BULBS, ETC.)
- 2.) EXIT LIGHTING UNITS
- 3.) WIRING DEVICES
- 4.) SPECIAL OUTLETS/EQUIPMENT
- 5.) PANELBOARDS
- 6.) CAT6 CABLE
- 7.) CONDUIT
- 8.) WIRE

E-5 RECORD DRAWINGS

- A.) GENERAL:
- 1.) THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL DEVIATIONS IN WORK AS ACTUALLY INSTALLED FROM WORK AS INDICATED. THIS RECORD SHALL BE UPDATED DAILY AND SHALL BE KEPT AVAILABLE AT THE SITE FOR INSPECTION. UPON COMPLETION OF THE WORK, AND BEFORE FINAL PAYMENT IS AUTHORIZED, MARKED PRINTS WITH SIGNED CERTIFICATION OF ACCURACY, SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE.

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS

E-6 INSTALLATION OF WORK

- A.) GENERAL:
- 1.) THE CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE SITE AND CHECK ALL FIELD CONDITIONS. NOTIFY THE ENGINEER OF ANY CONDITION WHICH DIFFERS FROM THAT INDICATED ON THE PLAN.
 - 2.) ALL WORK SHALL BE CAREFULLY LAID OUT IN ADVANCE SO THAT UNNECESSARY CUTTING, CHANNELING, CHASING OR DRILLING OF WALLS, PARTITIONS, FLOORS, CEILINGS OR OTHER SURFACES WILL BE AVOIDED. WHERE WORK IS NECESSARY FOR THE PROPER INSTALLATION, SUPPORT OR ANCHORAGE OF RACEWAYS, OUTLETS OR OTHER ELECTRICAL WORK, IT SHALL BE CAREFULLY DONE IN SUCH A MANNER AS TO AVOID ANY DAMAGE. ALL WORK WHICH MAY BE DAMAGED SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER.
 - 3.) ALL ELECTRICAL WORK SHALL BE PROTECTED AGAINST DAMAGE DURING CONSTRUCTION AND ANY WORK DAMAGED OR MOVED OUT OF LINE AFTER ROUGHING-IN SHALL BE REPAIRED AND RESET TO THE APPROVAL OF THE OWNER.
 - 4.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ROUTING IN THE FIELD WITH EXISTING EQUIPMENT. PROVIDE ALL NECESSARY OFFSETS TO AVOID EXISTING EQUIPMENT & OBSTRUCTIONS.
 - 5.) CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.
 - 6.) CONTRACTOR SHALL VERIFY CONDUIT ROUTING WITH OWNER AND/OR CLIENT PRIOR TO INSTALLATION.
- B.) ELECTRIC SERVICE:
- 1.) ALL WORK INVOLVING THE ELECTRICAL SERVICE SHALL BE COORDINATED WITH AND APPROVED BY THE ELECTRICAL UTILITY COMPANY. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE ELECTRIC SERVICE MODIFICATIONS.
 - 2.) NOTIFY THE ELECTRIC UTILITY COMPANY IMMEDIATELY UPON AWARD OF CONTRACT TO COORDINATE ELECTRIC SERVICE MODIFICATIONS.
 - 3.) NOTIFY THE CLIENT AND OWNER IN WRITING AT LEAST TWO WEEKS IN ADVANCE OF ANY INTERRUPTION OF SERVICE IN THE BUILDING. INFORM THE CLIENT AND OWNER OF THE DURATION OF THE SHUTDOWN. ALL WORK INVOLVING A SHUTDOWN SHALL BE PERFORMED DURING PREMIUM TIME, AT NO ADDITIONAL COST TO THE CLIENT.

- C.) CONDUIT WORK:
- 1.) ALL THREADED JOINTS IN CONDUIT WORK SHALL BE MADE WATERTIGHT BY A COATING OF THOMAS & BETTS KOPR-SHIELD COMPOUND ON THE MALE THREADS ONLY. WHENEVER THREADS ARE CUT, THEY SHALL BE COATED WITH KOPR-SHIELD BEFORE MAKING UP THE CONNECTION.
 - 2.) EXPOSED CONDUIT ON CEILING SHALL BE RUN PARALLEL OR PERPENDICULAR TO WALL AND VISE VERSA TO CEILING, WHEN INSTALLED ON WALL. SECURE CONDUIT CLAMPS AND SUPPORTS TO MASONRY MATERIALS BY TOGGLE BOLT, EXPANSION BOLT OR STEEL INSERT. SPACING OF CONDUIT SUPPORTS SHALL NOT EXCEED 7 FEET.
 - 3.) THE ENDS OF ALL CONDUIT SHALL BE CAREFULLY REAMED OUT FREE FROM BURRS BEFORE INSTALLATION AND AFTER THREADING. THE END OF EACH CONDUIT 1" AND SMALLER SHALL BE PROVIDED WHERE IT ENTERS A JUNCTION BOX, OUTLET BOX, CABINET, ETC., WITH A LOCK NUT AND BUSHINGS. FOR CONDUITS 1-1/4" AND LARGER, INSULATED BUSHINGS SHALL BE USED. IF INSULATED BUSHINGS ARE OF THE FULLY INSULATED TYPE, AN ADDITIONAL LOCK NUT SHALL BE USED INSIDE JUNCTION BOX OR CABINET BEFORE INSTALLING THE BUSHINGS.
 - 4.) FLEXIBLE SEAL-TITE CONDUIT AND SEAL-TITE FITTINGS SHALL BE USED TO CONNECT ALL MOTORS SO AS TO ISOLATE THE MOTION OR VIBRATION FROM THE RIGID CONDUIT SYSTEM AND THE BUILDING. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED IN ALL FLEXIBLE CONDUITS.
 - 5.) CONDUITS SHALL BE SECURELY FASTENED IN PLACE WITH STRAPS, HANGERS AND SUPPORTS AS REQUIRED.
 - 6.) CONDUIT IN HUNG CEILINGS SHALL BE SUPPORTED IN AN APPROVED MANNER FROM THE BUILDING STRUCTURE.
 - 7.) FLEXIBLE METALLIC CONDUIT OR MC CABLE SHALL BE USED FOR BRANCH CIRCUIT WIRING ABOVE HUNG CEILINGS AND IN PARTITIONS.
 - 8.) THE CONTRACTOR SHALL PROVIDE PULL BOXES, JUNCTION BOXES, CONDUITS, CONDUIT ELBOWS, AND OFFSETS IN CONDUIT RUNS WHICH INTERFERE WITH THE STRUCTURAL WOOD OR STEEL, MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC., TO SUIT THE FIELD CONDITIONS.
 - 9.) NO MORE THAN THREE RIGHT ANGLE BENDS SHALL BE PERMITTED IN CONDUIT BETWEEN ANY TWO TERMINATION OR PULLBOXES. PROVIDE ADDITIONAL PULLBOXES AS REQUIRED.
 - 10.) TELEPHONE SERVICE CONDUITS SHALL HAVE ONE 18"x18"x8" PULL BOX AFTER 270 DEGREES OF BENDS WITH A MAXIMUM OF 360 DEGREES OF BEND PER RUN. ALL BENDS IN CONDUIT SHALL BE SWEEPING BENDS FOR FIBER OPTIC CABLE. 90 DEGREE BENDS SHALL NOT BE PERMITTED.
 - 11.) ALL MC CABLE RUNS ABOVE HUNG CEILINGS SHALL BE SECURED TO BUILDING STRUCTURE. NO MC CABLES SHALL BE LEFT UNSUPPORTED ON DUCTWORK OR CEILING TILES.
 - 12.) ALL ELECTRICAL HOMERUNS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING CONDUIT, SIZE AS REQUIRED.
 - 13.) WHERE MULTIPLE HOME RUNS ARE ROUTED TOGETHER IN THE SAME RACEWAY LONGER THAN 24 INCHES, CONDUCTORS SHALL BE INCREASED TO #10 AWG FOR UP TO EIGHT CONDUCTORS (HOT & NEUTRAL) MAXIMUM. INSTALLATION SHALL BE IN ACCORDANCE WITH THE AFOREMENTIONED CODE.

D.) CABLE AND WIRING WORK:

- 1.) CONDUCTORS FOR BRANCH CIRCUITS SHALL BE OF SIZES INDICATED ON THE ELECTRICAL DRAWINGS, BUT SHALL NOT BE SMALLER THAN NO. 12 AWG EXCEPT AS OTHERWISE SHOWN OR SPECIFIED.
- 2.) ALL JOINTS, SPLICES AND TAPS FOR WIRING CONNECTIONS SHALL BE MADE WITH MATERIALS AS HEREINAFTER SPECIFIED.
- 3.) CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET, AND NO SPLICES OR CONNECTIONS SHALL BE MADE, EXCEPT WITHIN OUTLET BOXES, JUNCTION BOXES OR CABINETS.
- 4.) THE NEUTRAL WIRE SHALL NOT BE USED AS A GROUND WIRE. THE NEUTRAL WIRE SHALL BE AN INSULATED WIRE AND SHALL BE CONNECTED TO THE GROUND SYSTEM AT ONE PLACE ONLY. THIS CONNECTION SHALL BE MADE AT THE BEGINNING OF THE SEPARATELY DERIVED SYSTEM.
- 5.) TELEPHONE/DATA CABLING RUN ABOVE THE HUNG CEILING SHALL NOT BE LEFT UNSUPPORTED. ALL CABLING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE.

E.) ELECTRICAL GROUNDING AND BONDING:

- 1.) ALL CABINETS AND TERMINAL BOXES SHALL BE BONDED TO THE CONDUIT SYSTEM, AND WHERE APPLICABLE TO THE GROUND WIRE.
- 2.) THE ELECTRICAL RACEWAY SYSTEM, METALLIC ELECTRICAL EQUIPMENT FRAMES, HOUSING AND ENCLOSURES SHALL BE BONDED TOGETHER AND GROUNDED.
- 3.) THE EQUIPMENT BONDING JUMPERS SHALL NOT BE SMALLER THAN THE SIZES LISTED IN THE AFOREMENTIONED CODE.
- 4.) GROUND LUGS FOR CABLE CONNECTIONS SHALL BE SIMILAR TO BURNDY, TYPE YAV FOR CONDUCTOR SIZES AS PERMITTED BY THE AFOREMENTIONED CODES.
- 5.) ALL GROUNDING AND BONDING SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE AS INCONSPICUOUS AS POSSIBLE. ALL WORK EXPOSED TO MECHANICAL DAMAGE SHALL BE PROTECTED IN AN APPROVED MANNER. ALL GROUND SCREWS AND BUSHINGS SHALL BE MADE TIGHT.
- 6.) THE PROVISION OF A FULLY-WIRED GROUNDING SYSTEM DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR PROVIDING CONTINUITY OF THE METALLIC RACEWAY SYSTEM. THE METALLIC RACEWAY SYSTEM SHALL BE ASSEMBLED AND BONDED TOGETHER TO FORM A CONTINUOUS PATH FROM THE MOST REMOTE OUTLET.
- 7.) ALL GROUNDING WIRES, EXCEPT AS OTHERWISE SPECIFIED OR INDICATED ON THE DRAWINGS, SHALL BE SIZED IN ACCORDANCE WITH THE RULES OF THE AFOREMENTIONED CODE.
- 8.) FOR CONNECTION TO THE GROUNDING SYSTEM, THE CONTRACTOR SHALL FURNISH AND INSTALL A GROUND LUG WELDED TO THE INTERIOR OF EVERY METALLIC BOX, CABINET, HOUSING OR ENCLOSURE WHICH IS FURNISHED UNDER THIS OR ANY OTHER SECTION OF THE SPECIFICATIONS.
- 9.) EACH STEEL BOX SHALL BE CONNECTED BY THE USE OF A GROUNDING BUSHING ON RIGID CONDUIT, O.Z. TYPE BLG.
- 10.) A SEPARATE GREEN INSULATED GROUND WIRE SHALL BE RUN WITH EACH CIRCUIT AS INDICATED.

F.) OUTLET BOXES:

- 1.) OUTLET BOXES SHALL BE INSTALLED AT ALL LOCATIONS SHOWN ON THE DRAWINGS FOR ALL ELECTRICAL DEVICES INCLUDING CONVENIENCE RECEPTACLES AND LIGHTING FIXTURES. THE LOCATIONS OF THE OUTLETS ON THE DRAWINGS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE COORDINATED IN THE FIELD.
- 2.) ALL OUTLETS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS AND NONE SHALL BE INSTALLED ABOVE DUCTS, BEHIND FURRING OR OTHER SIMILAR LOCATIONS. ANY OUTLET DESIGNATED AS PROVIDING POWER FOR A PARTICULAR PIECE OF EQUIPMENT SHALL BE ACCESSIBLE FOR DISCONNECTION WITH SAID UNIT IN PLACE. ALL JUNCTION BOXES SHALL BE LABELED IDENTIFYING THE CIRCUIT(S) CONTAINED.
- 3.) OUTLETS IN HUNG CEILING AREAS SHALL BE CONCEALED ABOVE HUNG CEILING FOR RECESSED LIGHTING FIXTURES; OR SET FLUSH WITH HUNG CEILING FOR SURFACE AND PENDANT MOUNTED LIGHTING FIXTURES. THESE OUTLETS SHALL BE SECURELY SUPPORTED FROM THE FRAMING WORK WHICH SUPPORTS THE CEILING OR FROM THE BUILDING STRUCTURE ABOVE THE CEILING.
- 4.) WHERE NECESSARY FOR THE SUPPORT OF THE ELECTRICAL WORK, BARS, ANGLES OR CHANNEL MEMBERS OF SUITABLE SIZE SHALL BE FURNISHED AND INSTALLED.
- 5.) MOUNTING HEIGHTS FOR ELECTRICAL DEVICES SHALL BE AS INDICATED ON ARCHITECTURAL PLANS. IF THERE ARE NO ARCHITECTURAL PLANS FOR THIS PROJECT THE MOUNTING SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS:

- a.) LIGHT SWITCHES: 48" AFF TO CENTERLINE OF BOX.
- b.) WALL MOUNTED OCCUPANCY SENSORS: 48" AFF TO CENTERLINE OF BOX.
- c.) RECEPTACLES: 18" AFF TO CENTERLINE OF BOX.
- d.) DATA/TELEPHONE OUTLETS: 18" AFF TO CENTERLINE OF BOX.

- 6.) BLANK STEEL BOX COVERS SHALL BE INSTALLED ON ALL UNUSED OUTLETS UNLESS OTHERWISE INDICATED. IN FINISHED AREAS, BLANK COVERS SHALL BE PROVIDED. COLOR SHALL BE COORDINATED WITH THE ARCHITECT.
- 7.) OUTLET BOXES FOR SWITCHES, RECEPTACLES AND COMMUNICATION OUTLETS SHALL NOT BE MOUNTED BACK-TO-BACK.

G.) MECHANICAL EQUIPMENT CONNECTIONS:

- 1.) FOR ALL MOTORS, STARTERS, ANNUNCIATORS, ETC. TO BE FURNISHED AND INSTALLED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL SAFETY DISCONNECTS SHOWN OR REQUIRED U.O.N.
- 2.) CONTROL EQUIPMENT DEVICES SHALL BE FURNISHED AND INSTALLED UNDER OTHER SECTIONS OF THE SPECIFICATIONS.
- 3.) THIS CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL WIRING BETWEEN THE CONTROL DEVICE AND THE MOTOR. THE POWER SUPPLY LEADS TO THE MOTOR FROM THE CONTROLLER SHALL BE THE SAME SIZE AS THE FEEDS INDICATED ON THE DRAWINGS.
- 4.) THIS CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS BETWEEN MOTORS AND STARTERS AND LEAVE UNITS AND EQUIPMENT READY TO OPERATE.
- 5.) ALL WIRING FOR MOTOR CONTROL INTERLOCK AND AUTOMATIC TEMPERATURE CONTROL SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE 120 VOLT SUPPLIES FOR CONTROL EQUIPMENT AS DEFINED ON THE DRAWINGS AND APPROVED SHOP DRAWINGS.
- 6.) EXACT LOCATIONS OF EQUIPMENT SHALL BE AS INDICATED ON MECHANICAL DRAWINGS.

E-7 MATERIALS



- A.) CONDUIT:
- 1.) MINIMUM SIZE OF CONDUIT SHALL BE 3/4" EXCEPT FOR LOW VOLTAGE CONTROL AND WIRING BETWEEN LIGHT FIXTURES WHERE 1/2" CONDUIT MAYBE USED OR UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR SPECIFIED.
 - 2.) FLEXIBLE METALLIC CONDUIT, EXCEPT WHERE OTHERWISE SPECIFIED, SHALL BE SINGLE-STRIP ELECTROGALVANIZED, SPIRALLY-WOUND, INTERLOCKED, STEEL FLEXIBLE CONDUIT.
 - 3.) MC CABLE MAY BE USED FOR WIRING IN CONCEALED AREAS OR AS INDICATED ON DRAWINGS. EMT SHALL BE USED IN ALL EXPOSED AREAS AND FOR WIRING PENETRATING FLOOR.
 - 4.) LOCKNUTS SHALL BE HEAVY GAUGE SHEET STEEL TYPE WITH A PLATED CORROSION-RESISTANT COATING.
 - 5.) BUSHINGS SHALL BE MALLEABLE IRON INSULATED TYPE WITH A CADMIUM COATING.
 - 6.) ALL CONDUIT INSTALLED IN WET LOCATIONS, OR WHERE EXPOSED TO WEATHER SHALL BE RIGID GALVANIZED STEEL CONDUIT (RGS), CONDUITS INSTALLED UNDERGROUND SHALL BE SCHEDULE 40 PVC AND INTERIOR CONDUITS SHALL BE EMT U.O.N.
 - 7.) ALL MAIN FEEDERS AND CIRCUITRY FOR MECHANICAL EQUIPMENT OR IN EXPOSED AREAS SHALL BE IN CONDUIT.
- B.) SLEEVES:
- 1.) SLEEVES THROUGH FIRE RESISTANT WALLS AND CEILINGS SHALL BE COMPLETELY PACKED WITH NON-COMBUSTIBLE FIRE STOP MATERIAL RATED FOR THE PARTICULAR WALL BEING PENETRATED. PENETRATIONS THRU FIRE RATED MATERIAL SHALL BE MINIMIZED.

- C.) WIRE AND CABLE:
- 1.) ALL WIRE AND CABLE SHALL HAVE SOFT ANNEALED COPPER CONDUCTORS WITH 600 VOLT INSULATION, AND SHALL BE LISTED AND APPROVED BY UNDERWRITERS' LABORATORIES, AND SHALL MEET ALL SPECIFICATIONS OF THE IPCEA-NEMA STANDARDS.
 - 2.) ALL WIRE FOR GENERAL USE, UNLESS SHOWN OR SPECIFIED OTHERWISE, SHALL BE TYPE THHN. WIRE #10 AWG AND SMALLER SHALL BE CONSISTENTLY COLOR CODED THROUGHOUT BY MEANS OF COLORING APPLIED TO THE OUTER COVERING TO INDICATE PHASE AND NEUTRAL. ALL OTHER WIRES AND CABLES SHALL BE COLOR CODED BY APPLICATION OF A BAND OF APPROPRIATELY COLORED PLASTIC TAPE APPLIED OVER THE JACKETS AT EACH OUTLET, JUNCTION, PULL AND TERMINAL POINTS. THE COLOR CODING FOR WIRING SHALL BE:

	120/208V	277/480V
PHASE A	BLACK	BROWN
PHASE B	RED	ORANGE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	GRAY
GROUND	GREEN	GREEN

- 3.) ALL BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG SIZE UNLESS OTHERWISE INDICATED.
- 4.) GROUND WIRE AND CABLE SHALL BE COPPER CONDUCTORS.
- 5.) 120 VOLT CONDUCTOR LENGTHS IN EXCESS OF 100 FEET SHALL BE #10 AWG MIN.

SPECIFICATIONS CONTINUED ON NEXT PAGE.

<div><div>OLA Consulting Engineers 60 Broadway, Hawthorne, NY 10592 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com</div></div>				<div></div>					
REVISION NUMBER		DATE		MADE BY		APP'D BY		REVISION	
RECORD DRAWING CERTIFICATION									
<input type="checkbox"/> AS BUILT – CHANGES AS NOTED <input type="checkbox"/> AS BUILT – NO CHANGES									
CONTRACTOR					PROJECT COORDINATOR				
NAME		SIGNATURE			NAME		SIGNATURE		
TITLE		DATE			TITLE		DATE		
WESTCHESTER COUNTY, NEW YORK					CONTRACT NUMBER		SHEET NUMBER		
DEPARTMENT OF PUBLIC WORKS					15-553		E-002		
AND TRANSPORTATION					SHEET NO. 45 OF 53				
DIVISION OF ENGINEERING					SCALE: AS NOTED		DATE: 6/18/21		
NEW BATHHOUSE FACILITY					DPWF FILE NO.		2-02-E-89-0		REV. NO. 0
CROTON POINT PARK									
CROTON-ON-HUDSON, NY									
ELECTRICAL SPECIFICATIONS									

SPECIFICATIONS CONTINUED

D.) CONNECTORS FOR WIRE AND CABLE:
1.) WIRE AND CABLE CONNECTORS SHALL BE SOLDERLESS, MECHANICAL, SOLID COPPER OR COPPER ALLOY TYPES. CONNECTORS SHALL BE BUCHANAN ELECTRICAL PRODUCTS COPPER SQUEEZE-ON TYPE WITH MOLDED RUBBER OR VINYL CAP, MINNESOTA MINING AND MANUFACTURING COMPANY "SCOTCHLOCK: OR IDEAL INDUSTRIES "SUPER NUT" SPRING CONNECTOR WITH MOLDED VINYL CAP.
2.) CONNECTORS FOR CONDUCTORS LARGER THAN #8 AWG SHALL BE MECHANICAL BOLTED TYPE, INSULATED WITH CLAMP-ON MOLDED COVERS. THE MANUFACTURER SHALL BE OZ ELECTRICAL MANUFACTURING COMPANY OR BURNDY ENGINEERING COMPANY.
3.) ELECTRICAL INSULATING TAPE SHALL BE VINYL PLASTIC TYPE WITH PRESSURE ADHESIVE, MINNESOTA MINING AND MANUFACTURING COMPANY "SCOTCH" NO. 33 ELECTRICAL TAPE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. ALL CONNECTORS AND CONNECTIONS HAVING IRREGULAR SURFACES SHALL BE PROPERLY PADDED WITH "SCOTCHFIL" PUTTY PRIOR TO APPLICATION OF TAPE.
4.) ALL CABLE TIES INSTALLED IN PLENUM SHALL BE PANDUIT, TYPE HALAR, U.L. LISTED/APPROVED FOR USE IN PLENUM AREAS. ALL OTHER LOCATIONS SHALL BE NYLON TIE STRAPS AS MANUFACTURED BY THOMAS AND BETTS.

E.) WIRING AND OUTLET DEVICES:
1.) UNLESS OTHERWISE NOTED, WIRING DEVICES SHALL BE AS HEREIN SPECIFIED OR AS PER BUILDING STANDARDS, INDUSTRIAL GRADE. DEVICES AND COVER PLATES SHALL BE GANGED UNDER COMMON FACEPLATE U.O.N. AND SHALL MATCH EXISTING DEVICES. VERIFY IN FIELD.
2.) DUPLEX RECEPTACLES SHALL BE 15 OR 20 AMPERE, TWO-POLE, THREE WIRE, 125 VOLT, SELF GROUNDING, NEMA 5-15 OR 5-20, WITH MATCHING DEVICE PLATE.
3.) ISOLATED GROUND DUPLEX RECEPTACLE SHALL BE 15 OR 20 AMPERE, 125 VOLT, NEMA 5-15 OR 5-20, (ORANGE) WITH WHITE COVER PLATE.
4.) SINGLE POLE, THREE-WAY AND FOUR-WAY SWITCHES SHALL BE 15 OR 20 AMPERE, 120/277 VOLTS, TOGGLE TYPE, WITH MATCHING DEVICE PLATE.
5.) GFI RECEPTACLE SHALL BE 15 OR 20 AMPERE, TWO-POLE, THREE WIRE, 125 VOLT, NEMA 5-15 OR 5-20, WITH MATCHING DEVICE PLATE. COORDINATE COLOR WITH ARCHITECT.

F.) OUTLET AND JUNCTION BOXES:
1.) RECESSED CEILING FIXTURE OUTLETS SHALL BE 4-11/16" SQUARE SHEET METAL BOX WITH BLANK COVER AND SUITABLE HANGER BAR; BOX TO BE FASTENED TO CEILING SUSPENSION MEMBERS IN AN APPROVED MANNER, NOT LESS THAN 1'-0" FROM FIXTURE OPENING.
2.) EXTENSION RINGS FOR FLUSH OUTLETS SHALL BE GALVANIZED, DRAWN SHEET STEEL 4" OCTAGONAL OR SQUARE, 4-11/16" SQUARE RINGS TO SUIT FLUSH OUTLETS, 1-1/2" DEEP OR DEEPER WHERE NECESSARY.
3.) ALL EQUIPMENT EXPOSED TO THE OUTDOORS SHALL BE IN A NEMA-3R ENCLOSURE, INCLUDING THE GFI RECEPTACLES.

G.) MISCELLANEOUS MATERIALS:
1.) PIPE STRAPS FOR EXPOSED CONDUIT SHALL BE HEAVY DUTY CADMIUM OR ZINC COATED, ONE SCREW, MALLEABLE RIGID CONDUIT CLAMPS, COMPLETE WITH BACKSTRAPS (CLAMP BACKS), APPLETON ELECTRIC COMPANY #17100 AND #27100 LINE.
2.) HANGER RODS SHALL BE GALVANIZED OR CADMIUM PLATED THREADED STEEL RODS OF ADEQUATE SIZE TO SUPPORT THE LOAD WHICH THEY CARRY. MINIMUM DIAMETER SHALL BE 1/2".
3.) INSERTS IN EXISTING CONCRETE WORK SHALL BE EXPANSION ANCHORS WITH TAPPED STEEL OR BRASS CORE NUTS SET IN DRILLED HOLES. PIERCE, PHILLIPS READ HEAD, STAR OR ACKERMAN-JOHNSON EXPANSION NUTS WILL BE ACCEPTABLE.
4.) SPECIAL FASTENERS SHALL COMPRISE MISCELLANEOUS TYPES OF CONDUIT AND BOX FASTENERS OF MALLEABLE IRON OR STEEL WITH A CORROSION-RESISTANT COATING OF CADMIUM OR ZINC; THESE SHALL BE PROVIDED AS REQUIRED OR NECESSARY TO COMPLETE THE INSTALLATION OF ELECTRICAL WORK. THE TYPE SELECTED SHALL BE OF ADEQUATE STRENGTH FOR THE LOAD TO WHICH IT IS SUBJECTED AND OF A DESIGN SUITED TO THE INSTALLATION CONDITIONS.
5.) FASTENING HARDWARE SHALL BE CADMIUM OR ZINC-PLATED STEEL, SHEET METAL OR MACHINE SCREWS, BOLTS, NUTS, WASHERS, SHIMS AND SIMILAR FASTENING ACCESSORY HARDWARE.
6.) REFER TO ENGINEERING DRAWINGS (ELECTRICAL, MECHANICAL OR PLUMBING) FOR DETAIL.

H.) LIGHTING FIXTURES:
1.) FURNISH AND INSTALL ALL LIGHTING FIXTURES SHOWN AND AS DESCRIBED ON THE DRAWINGS. ALL NEW FIXTURES SHALL BE AS INDICATED BY THE FIXTURE SCHEDULE. ALL FIXTURES SHALL BE FURNISHED AND INSTALLED COMPLETE WITH ALL MOUNTING HARDWARE AS REQUIRED BY SPECIFIC CEILING CONSTRUCTION OR OTHER MOUNTING METHODS. ALSO PROVIDE ALL YOKES, BACKBOXES, APPROVED HANGERS, ALL REQUIRED MISCELLANEOUS HARDWARE AND LAMPS. ALL STEEL PARTS SHALL BE BONDERIZED AND PHOSPHATIZED. ALL FIXTURES AND TRIMS SHALL BE FREE FROM LIGHT LEAKS.
2.) SUPPORT EACH FIXTURE SECURELY. RECESSED FLUORESCENT FIXTURES SHALL BE SECURED AT A MINIMUM OF TWO POINTS TO THE BUILDING STRUCTURE TO MEET THE LOCAL BUILDING CODE SEISMIC REQUIREMENTS.
3.) UPON COMPLETION OF WORK AND AFTER THE BUILDING AREA IS BROOM CLEAN, ALL FIXTURES SHALL BE MADE CLEAN. USE DESTAINTITIZING CLOTH ON ALL PLASTIC AND GLASS MATERIAL.
4.) RELAMPING ACCESS SHALL REQUIRE NO SPECIAL TOOLS.
5.) ALL FLUORESCENT FIXTURES SHALL BE EQUIPPED WITH ELECTRONIC BALLASTS.
6.) ALL FLUORESCENT LAMPS SHALL BE WARM WHITE 3000K, 82 CRI UNLESS OTHERWISE INDICATED. FURNISH NEW LAMPS FOR ALL NEW FIXTURES.

I.) NEW CIRCUIT BREAKER PANELBOARDS:
1.) FURNISH AND INSTALL CIRCUIT BREAKER PANELBOARDS AS INDICATED ON THE DRAWINGS. PANELBOARDS SHALL BE DEAD FRONT SAFETY TYPE EQUIPPED WITH THERMAL-MAGNETIC, BOLTED TYPE, MOLDED CASE CIRCUIT BREAKERS OF FRAME AND TRIP RATINGS AS SHOWN ON THE DRAWINGS. PANELBOARD BUS STRUCTURE AND MAIN LUGS OR MAIN BREAKER SHALL HAVE CURRENT RATINGS AS DRAWINGS. ALL BUSBARS SHALL BE COPPER. ALL PANELBOARDS SHALL BE SEISMIC RATED ACCORDING TO THE LOCAL BUILDING CODE REQUIREMENTS.
2.) CIRCUIT BREAKERS SHALL BE EQUIPPED WITH INDIVIDUALLY INSULATED, BRACED AND PROTECTED CONNECTORS. THE FRONT FACES OF ALL CIRCUIT BREAKERS SHALL BE FLUSH WITH EACH OTHER. LARGE PERMANENT INDIVIDUAL CIRCUIT NUMBERS SHALL BE AFFIXED TO EACH BREAKER IN A UNIFORM POSITION. TRIPPED INDICATION SHALL BE CLEARLY SHOWN BY THE BREAKER HANDLE TAKING A POSITION BETWEEN ON AND OFF. PROVISIONS FOR ADDITIONAL BREAKERS SHALL BE SUCH THAT NO ADDITIONAL CONNECTORS WILL BE REQUIRED TO ADD BREAKERS.
3.) EACH PANELBOARD, AS A COMPLETE UNIT, SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE INTEGRATED EQUIPMENT RATING SHOWN ON THE DRAWINGS. PANELBOARD ASSEMBLY SHALL BE ENCLOSED IN A STEEL CABINET. THE RIGIDITY AND GAUGE OF STEEL TO BE AS SPECIFIED IN UL STANDARD 50 FOR CABINETS. THE SIZE OF WIRING CUTTERS SHALL BE IN ACCORDANCE WITH UL STANDARD 67 FOR PANELBOARDS. FRONTS SHALL INCLUDE DOORS AND HAVE FLUSH, BRUSHED STAINLESS STEEL, CYLINDER TUMBLER-TYPE LOCKS WITH CATCHES AND SPRING-LOADED DOOR PULLS. THE FLUSH LOCK SHALL NOT PROTRUDE BEYOND THE FRONT OF THE DOOR. ALL PANELBOARD LOCKS SHALL BE KEYED ALIKE. FRONT SHALL HAVE ADJUSTABLE INDICATING TRIM CLAMPS WHICH SHALL BE COMPLETELY CONCEALED WHEN THE DOORS ARE CLOSED. DOORS SHALL BE MOUNTED BY COMPLETELY CONCEALED STEEL HINGES. FRONTS SHALL NOT BE REMOVABLE WITH DOOR IN THE LOCKED POSITION. A CIRCUIT DIRECTORY FRAME AND CARD WITH A CLEAR PLASTIC COVERING SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. THE DIRECTORY CARD SHALL PROVIDE A SPACE AT LEAST 1/4" HIGH AND 3" LONG OR EQUIVALENT FOR EACH CIRCUIT. THE DIRECTORY SHALL BE TYPED TO IDENTIFY THE LOAD FED BY EACH CIRCUIT. FRONTS SHALL BE OF CODE GAUGE, FULL FINISHED STEEL WITH RUST-INHIBITING PRIMER AND BAKED ENAMEL FINISH.
4.) THE PANELBOARD INTERIOR ASSEMBLY SHALL BE DEAD FRONT WITH PANELBOARD FRONT REMOVED. MAIN LUGS OR MAIN BREAKER SHALL BE BARRIERED ON FIVE SIDES. THE BARRIER IN FRONT OF THE MAIN LUGS SHALL BE HINGED TO A FIXED PART OF THE INTERIOR. THE END OF THE BUS STRUCTURE OPPOSITE THE MAINS SHALL BE BARRIERED.

J.) DISCONNECT SWITCHES:
1.) THE CONTRACTOR SHALL FURNISH AND INSTALL FUSIBLE OR NON-FUSIBLE DISCONNECT SWITCHES AS REQUIRED AND/OR SHOWN ON THE DRAWINGS.
2.) THE DISCONNECT SWITCHES, UNLESS OTHERWISE INDICATED OR SPECIFIED, SHALL BE HEAVY-DUTY, QUICK-MAKE, QUICK-BREAK OPERATED, IN NEMA 1 OR 3R ENCLOSURES, OF A CAPACITY, TYPE AND NUMBER OF POLES AS NOTED ON THE DRAWINGS. THE MAIN LUGS SHALL BE ADEQUATE TO ACCEPT THE SIZES OF CABLE INDICATED ON THE DRAWINGS.
3.) ALL DISCONNECT SWITCHES SHALL BE FRONT OPERATED AND EACH SHALL CONTAIN A GROUNDING LUG WELDED TO THE INSIDE OF THE SWITCH ENCLOSURE.
4.) SWITCHES SHALL BE HORSEPOWER RATED FOR LOAD SERVED AND RATED FOR 200KAIC RMS SYMMETRICAL FAULT CURRENT.
5.) SWITCHES SHALL HAVE PROVISIONS TO BE LOCKED IN THE OPEN POSITION WITH CLIPS TO ACCEPT CLASS J FUSES.
6.) SWITCHES SHALL MEET NEMA STANDARD KS-1-1990 FOR TYPE HD SWITCHES AND SHALL BE U.L. LISTED.

K.) FUSES:
1.) ALL FUSES SHALL BE UL LISTED.
2.) FUSE SIZE SHALL BE AS INDICATED ON DRAWINGS AND/OR IN ACCORDANCE WITH THE FOREMENTIONED CODE.
3.) FUSES SHALL BE BUSSMAN, LOWPEAK, DUAL ELEMENT, CURRENT LIMITING, TIME DELAY, CLASS J UNLESS OTHERWISE NOTED.
4.) FURNISH THREE SPARE FUSES (SAME AS SPECIFIED) OF EACH SIZE AND TURNOVER TO BUILDING ENGINEER.

L.) PULLBOXES AND TROUGHS:
1.) PULLBOXES AND TROUGHS WITH COVERS SHALL BE FABRICATED FROM MINIMUM #12 USSG GALVANIZED SHEET STEEL WITH ALL SEAMS AND JOINTS WELDED AND GROUND SMOOTH. COVERS SHALL BE SECURED TO PULLBOXES WITH NICKEL OR CADMIUM PLATED, OVAL HEAD SCREWS PROVIDED WITH STOP BEAD WASHERS. TROUGHS SHALL HAVE HINGED COVERS AND SHALL BE HELD CLOSED WITH EXTERNAL CLAMPS. DIMENSIONS OF BOXES AND TROUGHS SHALL BE AS REQUIRED BY ARRANGEMENT OF CONDUITS, EQUIPMENT OR APPLICABLE CODE REQUIREMENTS.
2.) PULLBOXES AND TROUGHS SHALL BE FINISHED INSIDE AND OUTSIDE WITH A SHOP-APPLIED COAT OF ASA #61 LIGHT GRAY ENAMEL.
3.) THE CONTRACTOR SHALL PROVIDE ALL PULLBOXES REQUIRED TO PULL WIRES IN CONDUIT RUNS WHETHER INDICATED ON THE DRAWINGS OR NOT. BOXES AND TROUGHS USING CONCENTRIC OR ACENTRIC KNOCKOUTS SHALL BE GROUND TO THE INCOMING CONDUITS BY MEANS OF GROUNDING FITTINGS AND BONDING JUMPERS. OZ TYPE BLG INSULATED GROUNDING BUSHINGS, AS SPECIFIED ELSEWHERE, SHALL BE USED. BONDING JUMPERS SHALL BE COPPER SIZED IN ACCORDANCE WITH THE FOREMENTIONED CODE. A GROUND LUG SHALL BE WELDED INSIDE EACH BOX AND TROUGH.

M.) ALTERATIONS AND REMOVAL OF EXISTING EQUIPMENT, CONDUIT & WIRING:
1.) THE EXISTING BUILDING ELECTRICAL SYSTEMS SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PERIOD. EXISTING SYSTEMS SHALL NOT BE SHUT DOWN NOR SHALL CONNECTIONS BE MADE THERETO WITHOUT PRIOR APPROVAL OF THE OWNER.
2.) CERTAIN EXISTING CONDUITS AND ASSOCIATED WIRING ARE INDICATED ON THE DRAWINGS ACCORDING TO THE BEST INFORMATION AVAILABLE. CERTAIN OTHER EXISTING CONDUITS AND ASSOCIATED WIRING MAY NOT BE SHOWN. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO DETERMINE THE LOCATION OF EXISTING CONDUIT AND WIRING AS REQUIRED FOR NEW CONSTRUCTION OR IF DAMAGED DURING CUTTING OPERATIONS, REPLACE/REPAIR AT NO EXPENSE TO THE OWNER.
3.) WHERE EQUIPMENT IS REMOVED OR WHERE WALLS AND CEILINGS ARE DEMOLISHED, WIRING DEVICES, CONDUIT, WIRING AND INSTALLATION MATERIAL (FITTINGS, BOXES, HANGERS, SUPPORTS, ETC.) THAT IS NOT TO BE REUSED SHALL BE REMOVED. ALL CONDUITS REMOVED SHALL BE CUT FLUSH WITH CONSTRUCTION AND OPENINGS PATCHED. ALL WIRING REMOVED SHALL BE DISCONNECTED AS FAR BACK AS THE BRANCH CIRCUIT PANELBOARD TERMINALS UNLESS OTHERWISE NOTED. WHERE WIRING IS TO REMAIN IN EXISTING CONDUITS TO MAINTAIN CONTINUITY OF CIRCUITS AND PASSES THROUGH OUTLET BOXES NOT TO BE REUSED FOR WIRING DEVICES OR LIGHTING FIXTURES, SUCH OUTLETS SHALL BE FURNISHED WITH COVERPLATES. ACTIVE CIRCUITS, IF REQUIRED AND NECESSARY TO REMAIN, SHALL BE REROUTED WITH NEW MATERIALS.
4.) ALL EQUIPMENT WHICH IS BEING REMOVED AND NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
5.) CONTRACTOR SHALL MEASURE STEADY STATE LOAD CURRENTS ON EACH PANELBOARD FEEDER OR EACH PANELBOARD THAT WAS ALTERED. SHOULD THE DIFFERENCE AT ANY PANELBOARD BETWEEN PHASES EXCEED 20 PERCENT, REARRANGE CIRCUITS IN PANELBOARD TO BALANCE THE PHASE LOAD WITHIN 20 PERCENT. TAKE CARE TO MAINTAIN PROPER PHASING FOR MULTI-WIRE BRANCH CIRCUITS. UPDATE DIRECTORIES ACCORDINGLY.

E-10 TESTING
A.) ALL CIRCUITS SHALL BE TESTED FOR UNWANTED GROUNDS AND PROPER PHASE RELATION.

B.) THE CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO CONDUCT AND/OR TO ASSIST THE CLIENT'S REPRESENTATIVE TO CONDUCT OPERATING TESTS AT THE COMPLETION OF THE WORK. THESE OPERATING TESTS WILL INCLUDE CHECKING THE FOLLOWING ELECTRICAL SYSTEMS:

1.) WIRING DEVICES: A CHECK OF RECEPTACLES SHALL BE CHECKED FOR SMOOTHNESS OF OPERATION, CLEANLINESS OF INSTALLATION, CONDUCTOR CONNECTIONS, MANUFACTURER, RATINGS AND GROUNDING CONNECTIONS.
2.) FIXTURES: OPERATION CHECK.
3.) TEST ALL CIRCUITS FOR PROPER FUNCTIONING AND CONNECTION.
4.) MECHANICAL EQUIPMENT: PROVIDE PERSONNEL TO ASSIST MECHANICAL CONTRACTOR IN TESTING ELECTRICALLY POWERED MECHANICAL EQUIPMENT.
5.) ELECTRICAL CURRENT READINGS IN ALL PANELBOARDS AFFECTED BY WORK TO VERIFY BALANCING OF LOADS.
6.) MEGGAR ALL FEEDER CABLES.

E-11 TEMPORARY LIGHT AND POWER
A.) THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND UPON COMPLETION, REMOVE SYSTEM OF TEMPORARY LIGHTING AND POWER FOR THE USE OF ALL CONSTRUCTION TRADES AS NECESSARY.

B.) WIRING SHALL BE PROVIDED FOR TEMPORARY USE DURING BUILDING CONSTRUCTION, INCLUDING GROUNDING AND FUSED MAIN CUT-OFF SWITCHES. TEMPORARY ELECTRIC LINES WITH BRANCH SWITCHES SHALL BE PROVIDED FOR LIGHTING AND FOR TAPS FOR ELECTRIC TOOLS, PUMPS AND OTHER TEMPORARY EQUIPMENT; ALL EQUIVALENT TO A MAIN LINE LOOPED THROUGH FLOOR SPACES AND UP STAIRWELLS OR SHAFTS. ALL POWER OUTLETS SHALL BE GROUND TO AN EQUIPMENT GROUND WIRE IN AN APPROVED MANNER. ELECTRIC LINES SHALL BE EXTENDED TO POWER TOOLS WHICH CANNOT BE LOCATED WITHIN REACH OF EXTENSION CORDS.


C.) LIGHT BULBS SHALL BE PROVIDED IN SUFFICIENT QUANTITY TO LIGHT THE BUILDING FOR SAFETY PURPOSES. EXTENSION CORDS SHALL BE PROVIDED AS MAY BE ESSENTIAL TO THE PROPER EXECUTION OF THE WORK.

D.) TEMPORARY LIGHTING SHALL BE PROVIDED FOR ALL STAIRS AND OTHER LOCATIONS WHERE NEEDED FOR SAFETY OR THE PROPER EXECUTION OF WORK AND SHALL CONFORM TO ALL OSHA STANDARDS.

E.) THE ELECTRICAL CONTRACTOR SHALL MAINTAIN TEMPORARY LIGHTING AND POWER SYSTEMS IN GOOD WORKING CONDITION, INCLUDING THE RELOCATION AND REINSTALLATION WHEN REQUIRED TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.

F.) PROVIDE GROUND FAULT PERSONNEL PROTECTION FOR ALL SINGLE PHASE, 15 AND 20 AMPERE RECEPTACLES. ALL RECEPTACLES AND PORTABLE CORD CONNECTORS SHALL HAVE NEMA STANDARD LOCKING TYPE CONFIGURATIONS AND SHALL CONFORM TO ALL OSHA STANDARDS.


OLA Consulting Engineers



60 Broadway,
Hawthorne, NY 10592
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.848.4110

olace.com



REVISION
NUMBER

DATE

MADE
BY

APP'D
BY

REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

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

NEW BATHHOUSE FACILITY
CROTON POINT PARK
CROTON-ON-HUDSON, NY
ELECTRICAL SPECIFICATIONS

CONTRACT
NUMBER
15-553

SHEET
NUMBER
E-003

SHEET NO. 46 OF 53

SCALE: AS NOTED
DATE: 6/18/21

DPW FILE NO.
2-02-E-90-0

REV.
NO.
0

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS

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

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

PLOT DATE: 07/18/2021

DEM. UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL REMOVE TRANSFORMER AND BRING TO PROPERTY LINE FOR POWER UTILITY COMPANY PICK UP.

EX. MEDIUM VOLTAGE SPLICE BOX.

EX. TELCO EQUIPMENT.

EX. CONCRETE PAD.

DEM. UTILITY METER AND SERVICE DISC. SW. REMOVE CONDUIT AND WIRE BACK TO SOURCE.

AREA OF WORK. REFER TO DEMOLITION NOTES BELOW.

DEM. SPECIAL PURPOSE 2P-50A RECEPTACLE. REMOVE CONDUIT AND WIRE BACK TO SOURCE, VIF.

APPROXIMATE LOCATION OF EXISTING UNDERGROUND SERVICE CONDUIT AND WIRE. REMOVE CONDUIT AND WIRE BACK TO SOURCE. COORDINATE WORK WITH UTILITY COMPANY.



1

BATH HOUSE ELECTRICAL DEMOLITION PLAN

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

DEMOLITION NOTES:



- 1.) ALL EQUIPMENT INCLUDING, BUT NOT LIMITED TO LIGHTING, LIGHTING CONTROLS, WIRING DEVICES, CIRCUITRY, ETC. SHALL BE DISCONNECTED AND REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
- 2.) CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.
- 3.) CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.
- 4.) ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.
- 5.) ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
- 6.) THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.

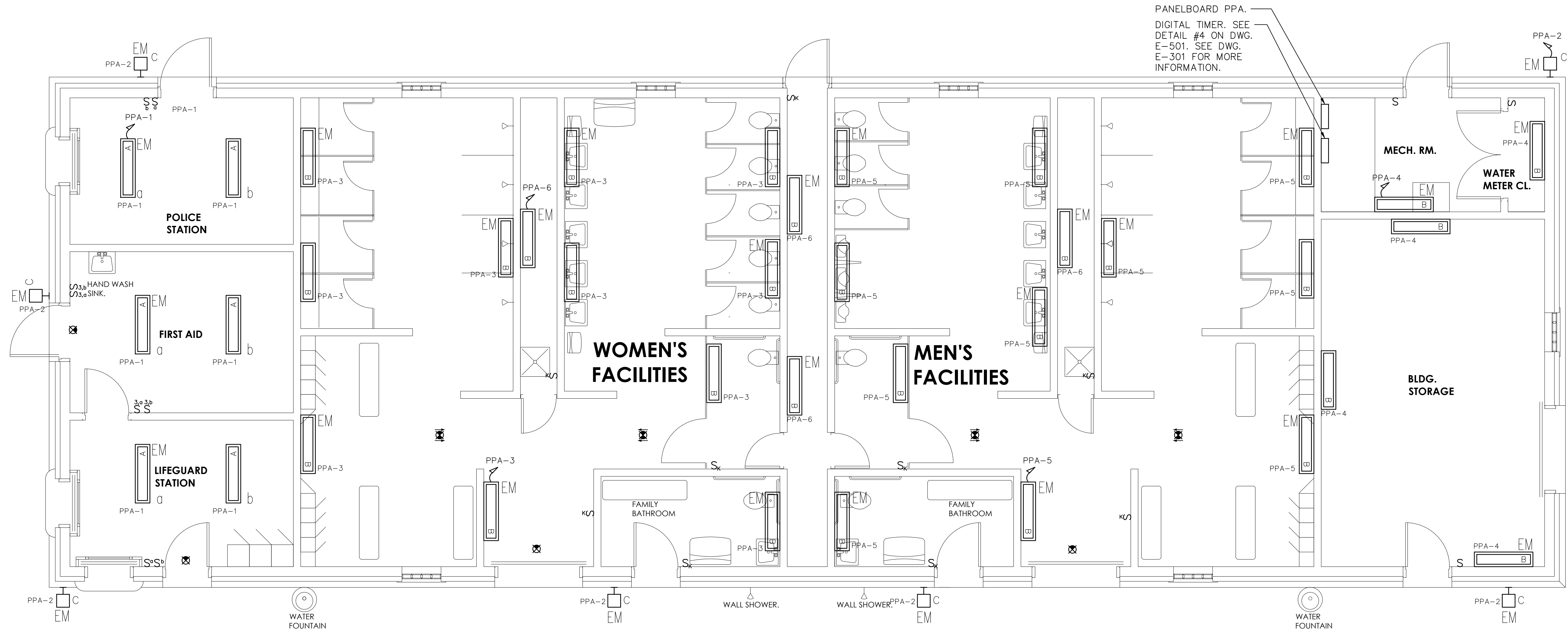
LEGAL NOTICE:

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

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

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS





OLA Consulting Engineers  60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR			PROJECT COORDINATOR		
SIGNATURE _____			SIGNATURE _____		
TITLE _____			TITLE _____		
DATE _____			DATE _____		
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553	SHEET NUMBER E-101
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY BATH HOUSE ELECTRICAL DEMOLITION PLAN				SCALE: AS NOTED DATE: 6/18/21	REV. NO. 0
				DPW FILE NO. 2-02-E-91-0	



1 BATH HOUSE LIGHTING NEW WORK PLAN
SCALE: 1/4" = 1'-0"

NOTES:


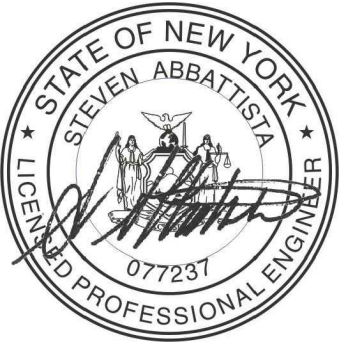
- 1.) INTERIOR AND EXTERIOR LIGHTING SHALL BE CONTROLLED VIA A DIGITAL TIMER WITH INTEGRAL TIME CLOCK AND PHOTSENSOR WITH OVERRIDE SWITCHES.
- 2.) REFER TO DWG. E7.2 FOR LIGHTING SYSTEM FUNCTIONAL TESTING COMMISSIONING NOTES.

LIGHTING FIXTURE SCHEDULE							
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMP	VOLTS	MOUNTING	LUMENS	REMARKS
	HOLOPHANE LIGHTING	EVT4-4000LM-PCL-WD-120-30K-BSL520-VAPSMB	(1) 33W LED	120	SURFACE	4208	FIXTURE WITH LENS DESIGNED FOR WET LOCATIONS WITH GASKETING BETWEEN THE LENS, DOORFRAME, HOUSING AND MOUNTING SURFACE. WHERE DESIGNATED BY 'EM', PROVIDE WITH INTEGRAL BATTERY COLD WEATHER PACK RATED FOR -4F TO 104F.
	HOLOPHANE LIGHTING	EVT4-4000LM-FST-MD-120-30K-BSL520-WLF	(1) 33W LED	120	SURFACE/WALL	4295	FIXTURE SHALL BE UL LISTED FOR WET AREAS. WHERE DESIGNATED BY 'EM', PROVIDE WITH INTEGRAL BATTERY PACK.
	HOLOPHANE LIGHTING	W4PLED-10C700-30K-T3M-120-ELCW-LWG-BKSDP	(1) 26W LED	120	SURFACE	2030	RATED FOR OUTDOOR COLD WEATHER INSTALLATIONS. WHERE DESIGNATED BY 'EM', PROVIDE WITH INTEGRAL BATTERY PACK.
	LITHONIA LIGHTING	WLTE-W-2-R-EL-SD	2.7W LED	120	SURFACE/WALL	-	SURFACE MOUNTED, WET LOCATION RATED.
NOTES: 1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES. 2.) ALL BALLASTS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES. 3.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BATTERY BACK-UP BALLAST WHERE POSSIBLE THE BALLAST SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY BALLAST IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BALLAST. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE BATTERY PACK AND LED LAMPS SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM. 4.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.							

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

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

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS

OLA Consulting Engineers  60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR			PROJECT COORDINATOR		
NAME	SIGNATURE		DATE	NAME	SIGNATURE
TITLE			TITLE	TITLE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553	SHEET NUMBER E-201
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY BATH HOUSE LIGHTING NEW WORK PLAN				SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-E-92-0	REV. NO. 0

CONTRACTOR SHALL CONNECT NEW CONDUIT AND WIRE TO SECONDARY SIDE OF REPLACEMENT UTILITY TRANSFORMER AND ROUTE TO THE SERVICE RATED PANELBOARD PPA VIA UTILITY METER. COORDINATE WORK WITH UTILITY COMPANY.

REPLACEMENT UTILITY TRANSFORMER. SEE NOTE #1.

EX. CONCRETE PAD.

EX. MEDIUM VOLTAGE SPLICE BOX.

EX. TELCO EQUIPMENT.

EX. CONCRETE PAD.

REPLACEMENT SPECIAL PURPOSE 2P-50A RECEPTACLE. FED FROM PPA-45,47.

PROVIDE (2) 3"C FOR DATA AND COMMUNICATION FROM PARK OFFICE TO MECH. RM. SEE NOTE #2.

HANDHOLE.

PROVIDE (2) 3"C FOR DATA AND COMMUNICATION FROM PARK OFFICE TO MECH. RM. SEE NOTE #2.

2-#6 & 1-#10 GND IN UG 3/4"C TO PANELBOARD PPA. REFER TO E-501 FOR CONDUIT AND WIRE SIZE.

TRANS 'S' CABINET. SEE E5.1 FOR ADDITIONAL INFORMATION.

REFER TO DWG. E-501 FOR CONDUIT AND WIRE SIZE.

SERVICE RATED PANELBOARD PPA.



1

BATH HOUSE ELECTRICAL SITE PLAN

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

NOTES:

1.) ELECTRICAL CONTRACTOR SHALL COORDINATE WITH POWER UTILITY COMPANY FOR INSTALLATION OF REPLACEMENT UTILITY TRANSFORMER.



2.) CONTRACTOR SHALL PROVIDE 500LF OF (2) 3" EMPTY CONDUITS WITH DRAGLINES FROM THE PARK OFFICE TO THE MECH. RM. COORDINATE TERMINATION OF CONDUIT AT PARK OFFICE WITH ARCHITECT. TRENCHING, BEDDING AND BACKFILL BY OTHERS.

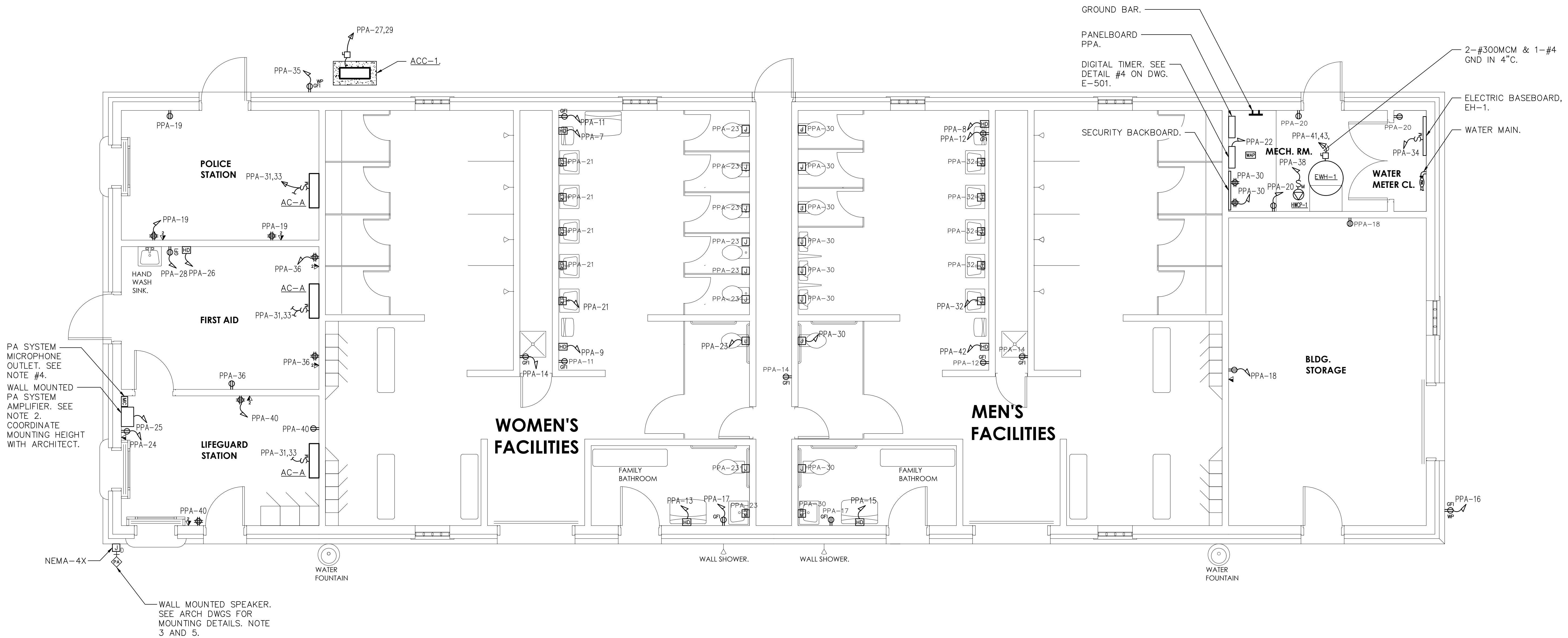
LEGAL NOTICE:

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

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

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS

OLA Consulting Engineers  60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com							
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION			
RECORD DRAWING CERTIFICATION							
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES							
CONTRACTOR NAME _____ SIGNATURE _____ TITLE _____				PROJECT COORDINATOR NAME _____ SIGNATURE _____ TITLE _____			
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553		SHEET NUMBER E-300	
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY BATH HOUSE ELECTRICAL SITE PLAN				SCALE: AS NOTED DATE: 6/18/21		SHEET NO. 49 OF 53	
				DPW FILE NO. 2-02-E-93-0		REV. NO. 0	



BATH HOUSE ELECTRICAL NEW WORK PLAN

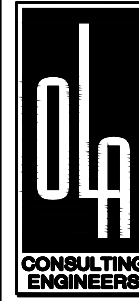
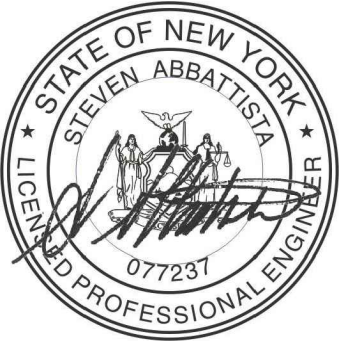
SCALE: 1/4" = 1'-0"

NOTES:

- COORDINATE HEIGHT AND LOCATION OF ALL RECEPTACLES WITH ARCHITECT.
- SEE WIRING DIAGRAM ON E-501 FOR DETAILS OF PA SYSTEM EQUIPMENT AND INTERCONNECTION BLOCK DIAGRAM.
- ALL PA SYSTEM CABLE RUNS TO PA SYSTEM AMPLIFIER SHALL BE RUN IN CONDUIT.
- COORDINATE FINAL LOCATION OF MICROPHONE OUTLET WITH OWNER.
- COORDINATE EXACT LOCATION WITH ARCHITECT.

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

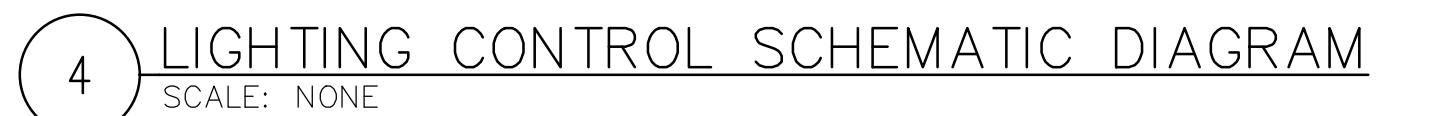
OLA Consulting Engineers  60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com					
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR			PROJECT COORDINATOR		
NAME SIGNATURE TITLE	DATE		NAME SIGNATURE TITLE	DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING			CONTRACT NUMBER 15-553 SHEET NO. 50 OF 53 SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-E-94-0 REV. NO. 0		
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY BATH HOUSE ELECTRICAL NEW WORK PLAN					



1 ELECTRICAL DEMOLITION ONE-LINE DIAGRAM

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

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



6.) OVERRIDE SWITCH(ES) SHALL BE SOLID STATE
INTERVAL TIME SWITCH WITH BACKLIT LCD DISPLAY,
TORK MODEL SSA200R-24.

LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING

I. FUNCTIONAL TESTING

PRIOR TO PASSING FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE EVIDENCE TO THE BUILDING OWNER AND THE ENGINEER THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S DOCUMENTS. FUNCTIONAL TESTING, FOR THE APPLICABLE CONTROL TYPE, SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1. TIME-SWITCH CONTROLS

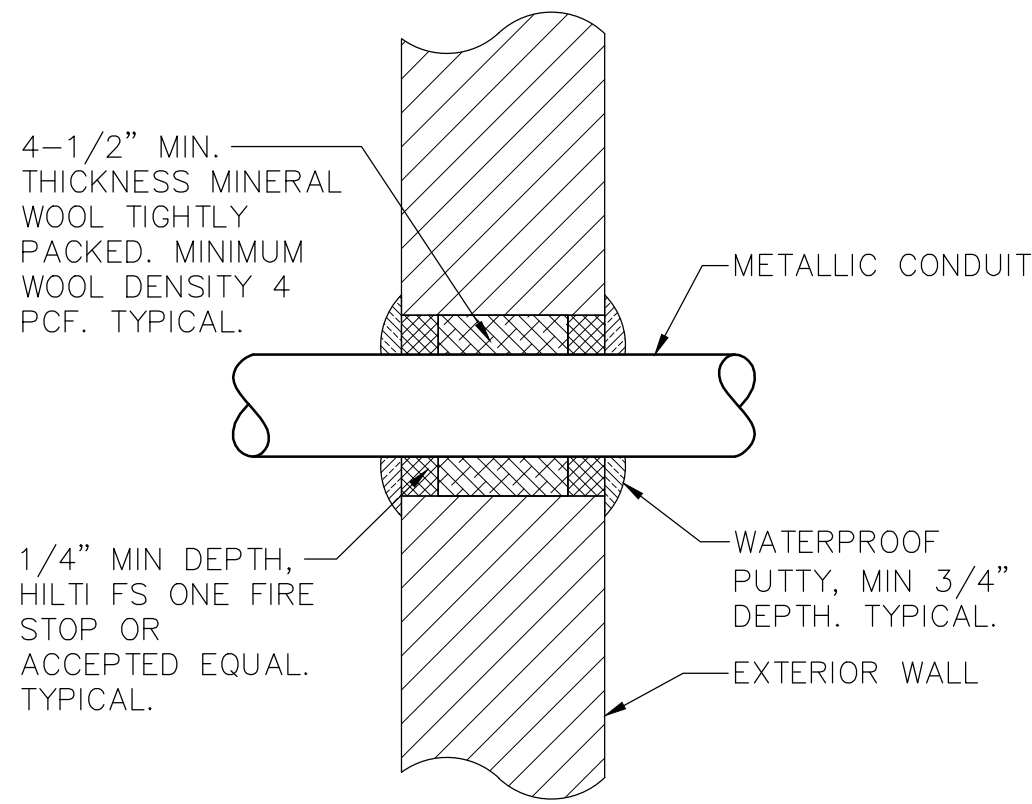
WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- A. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
- B. PROVIDE DOCUMENTATION TO THE OWNER OF TIME-SWITCH CONTROLS. PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
- C. VERIFY THE CORRECT TIME AND DATE IN THE TIME SWITCH.
- D. VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
- E. VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
- F. SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
- i. ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
 - ii. THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
- G. SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
- i. NONEXEMPT LIGHTING TURNS OFF.
 - ii. MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.

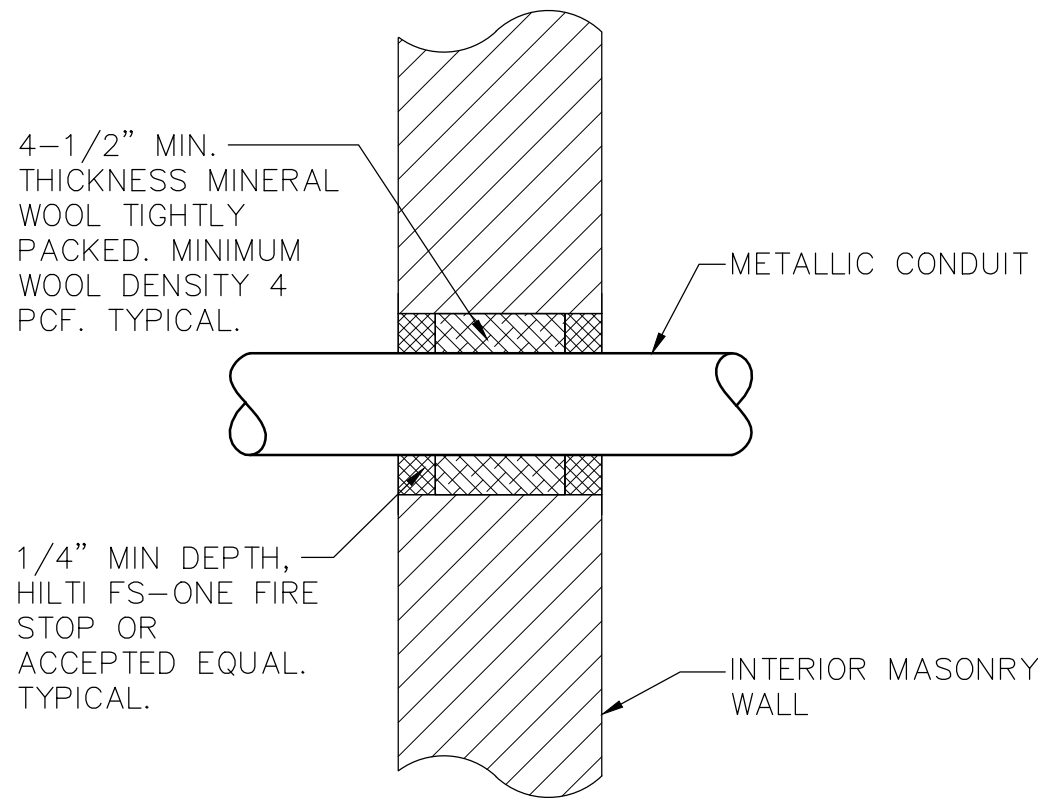
II. DOCUMENTATION REQUIREMENTS

THE DOCUMENTS DESCRIBED IN THIS SECTION SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 60 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

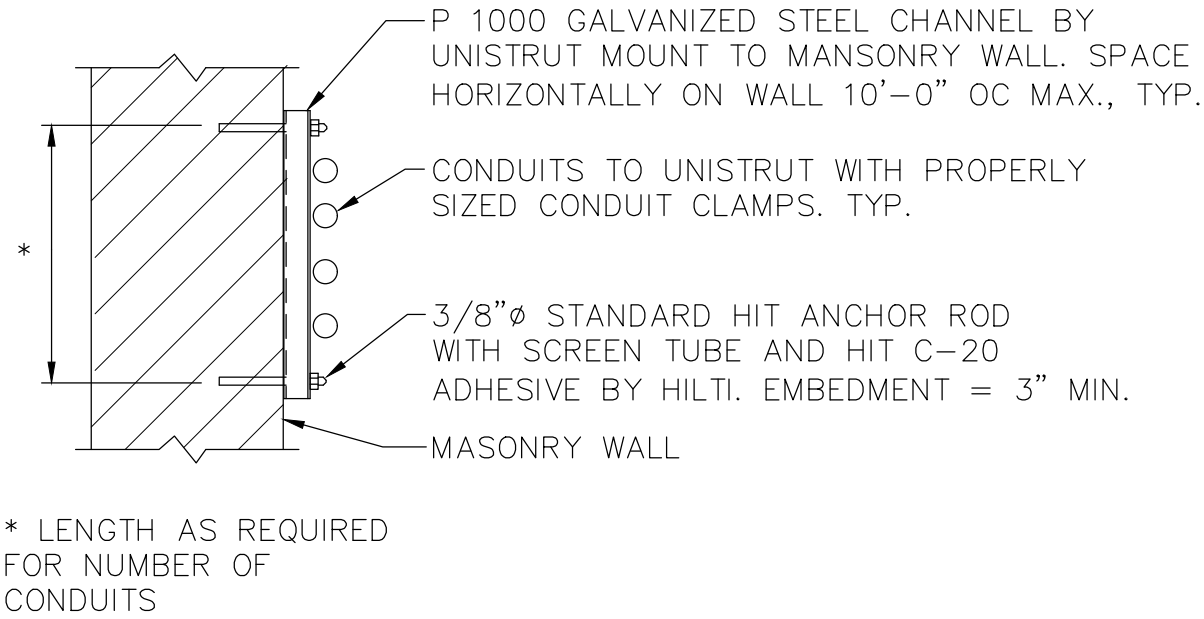
- A. DRAWINGS:
- i. AS-BUILT CONSTRUCTION DOCUMENTS, SHOWING THE LOCATION AND CATALOG NUMBER OF EACH PIECE OF EQUIPMENT.
- B. MANUALS: AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:
- i. NAME AND ADDRESS OF NOT LESS THAN ONE SERVICE AGENCY FOR INSTALLED EQUIPMENT.
 - ii. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SET POINTS.
 - iii. SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING CONTROLS.
 - iii. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
 - iv. A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.
- C. REPORT: A REPORT OF TEST RESULTS SHALL BE PROVIDED AND INCLUDE THE FOLLOWING.
- i. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
 - ii. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.



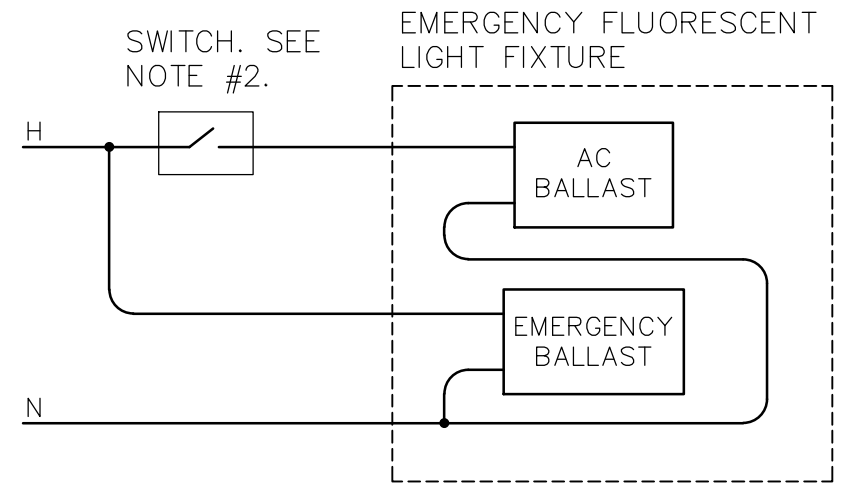
4
TYPICAL ABOVE GRADE CONDUIT
EXTERIOR MASONRY WALL
PENETRATION DETAIL
SCALE: NONE



5
TYPICAL INTERIOR MASONRY WALL
CONDUIT PENETRATION DETAIL
SCALE: NONE



3
TYPICAL CONDUIT SUPPORT
ON MASONRY
SCALE: 1" = 1'-0"

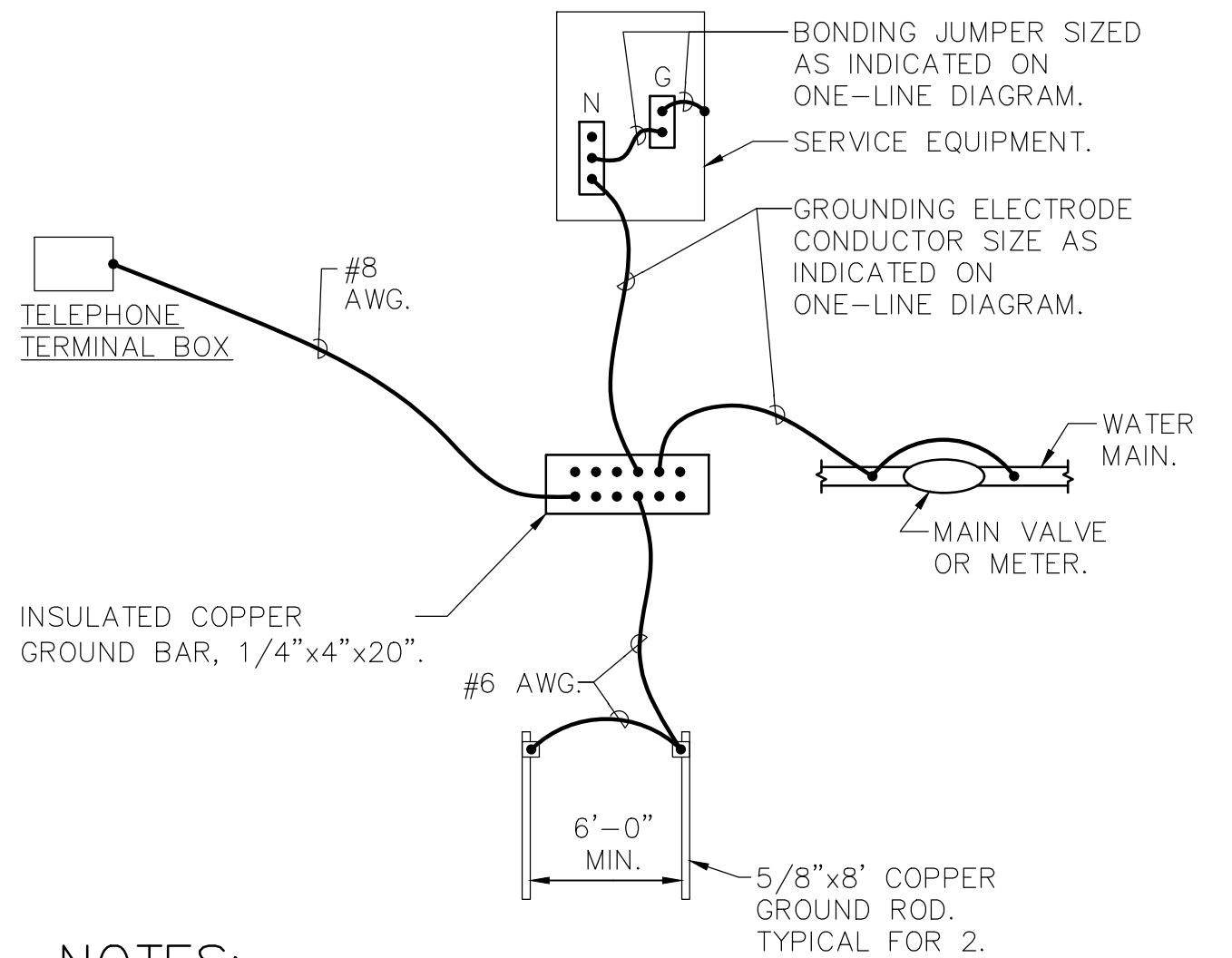


NOTES:

1.) THE CONNECTION TO THE LAMPS IS NOT SHOWN - FOLLOW MANUFACTURER WIRING DIAGRAMS.

2.) "SWITCH" REPRESENTS A SINGLE POLE SWITCH, A SET OF CONTACTS, A COMBINATION OF 3 WAY AND 4 WAY SWITCHES, ETC. SEE DRAWINGS FOR ACTUAL SWITCH CONFIGURATION.

2
SWITCHED EMERGENCY
FIXTURE WIRING DIAGRAM
SCALE: NONE



NOTES:

1.) CONNECTION TO WATER MAIN AND FIRE PROTECTION MAIN SHALL BE A MAXIMUM OF 5'-0" FROM WHERE THE PIPE ENTERS THE BUILDING AND BE PRIOR TO ANY METER, VALVE JOINT, ETC.

2.) ALL CONNECTIONS TO THE GROUND BAR SHALL BE MADE USING COMPRESSION LUGS SIZED TO ACCOMMODATE THE CONDUCTORS.

1
SERVICE GROUNDING DETAIL
SCALE: NONE

OLA Consulting Engineers 60 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.848.4110 olace.com							
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION			
RECORD DRAWING CERTIFICATION							
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES							
CONTRACTOR NAME SIGNATURE TITLE				PROJECT COORDINATOR NAME SIGNATURE TITLE			
DATE				DATE			
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 15-553 SHEET NUMBER E-702			
NEW BATHHOUSE FACILITY CROTON POINT PARK CROTON-ON-HUDSON, NY ELECTRICAL DETAILS				SCALE: AS NOTED DATE: 6/18/21 DPW FILE NO. 2-02-E-97-0 REV. NO. 0			

IN CHARGE OF: SA
CHECKED BY: MA
MADE BY: KS

LEGAL NOTICE:
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 69.5 (B) OF NEW YORK STATE LAW.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS AND CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.