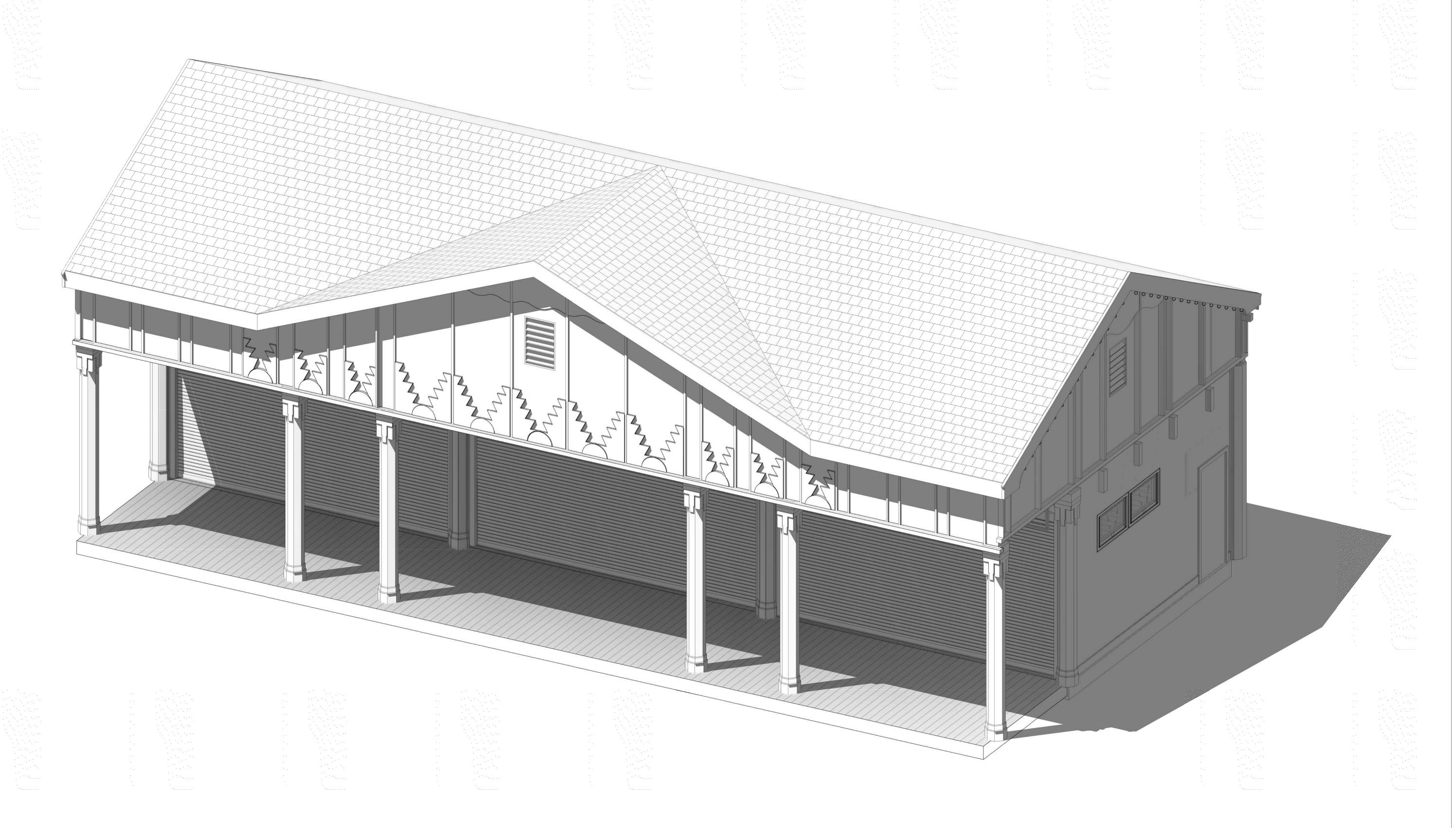
# CXB - BUILDING CONVERSION



3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com



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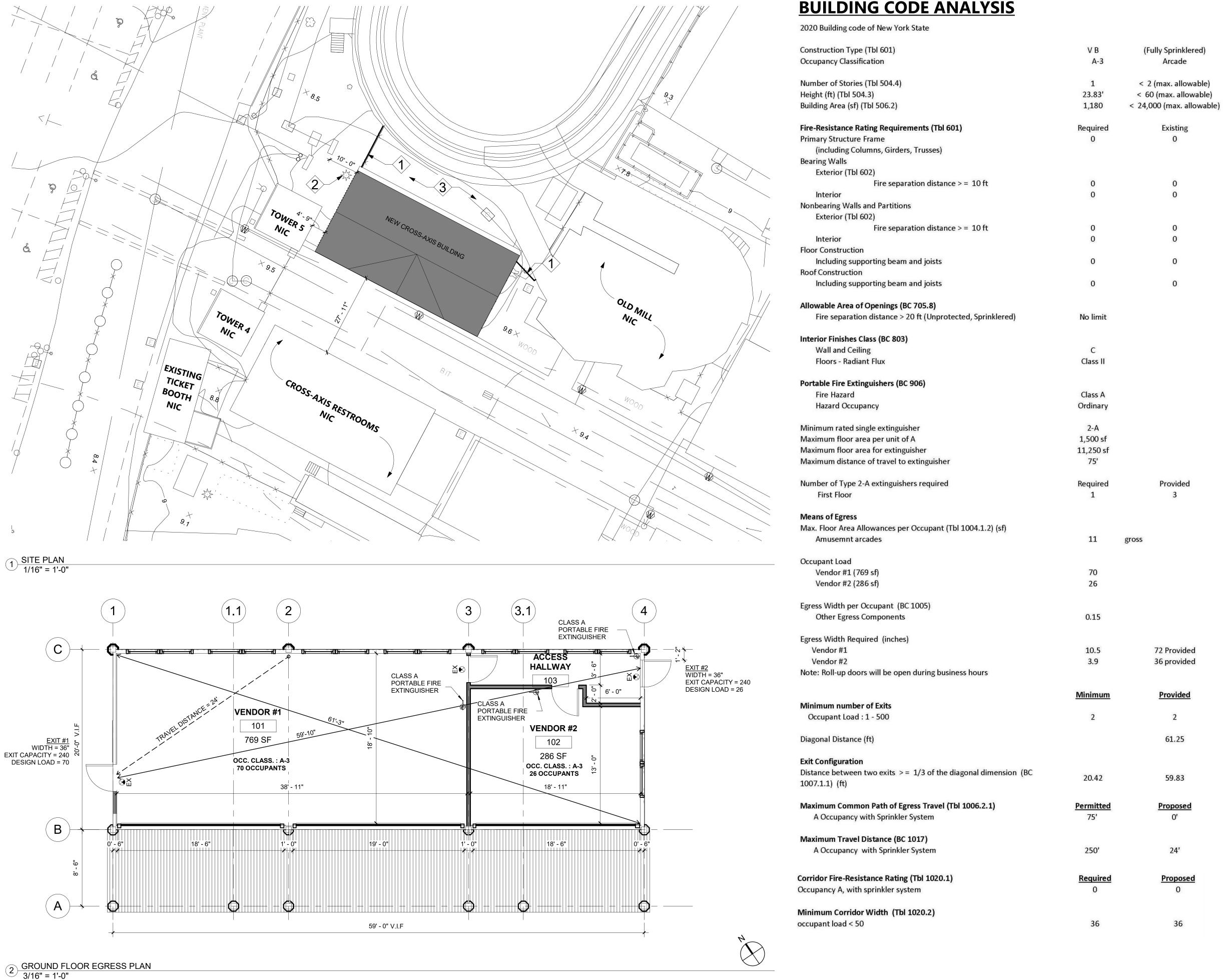
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING

CXB-G-01 DWG NO.: Page 168 of 288

INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK
CXB - BUILDING CONVERSION
BUILDING 3D VIEW



#### **LEGEND**

**EXISTING FENCE TO REMAIN** NEW CHAIN LINK CONSTRUCTION FENCE REMOVE IF NEEDED BUT RESTORE WHEN PARK OPERATING

#### **SITE PLAN KEY NOTES**

- $\langle 1 \rangle$  EXISTING FENCE TO REMAIN.
- EXISTING TREE STUMP TO BE REMOVED AND THE AFFECTED AREA TO BE RESTORED TO MATCH ADJACENT LANDSCAPING
- LANDSCAPING TO BE REMOVED AS NEEDED FOR SITE OPERATIONS.

#### SITE CONSTRUCTION NOTES

- REPLACE ALL PLANTED MATTER DISTURBED DURING CONSTRUCTION UNLESS STATED OTHERWISE.
- 2. REPAIR ALL DAMAGED PARK PROPERTY INCURRED DURING
- CONSTRUCTION. REPAIR ASPHALT AS REQUIRED.
- 4. REPAIR SOD AS REQUIRED.

#### **CONSTRUCTION STAGING NOTES**

- WATER AND ELECTRICAL SERVICE WILL BE PROVIDED BY PARK AT THE BUILDING BUT NOT AT CONSTRUCTION TRAILERS.
- CONTRACTOR TO PROVIDE ANY NEEDED TEMPORARY HEAT, INCLUDED
- CONTRACTOR TO PROVIDE RESTROOM FACILITIES FOR THEIR
- CONTRACTOR PARKING AT TRAILER AREA ONLY. SEE DRAWING T-06.

#### **GENERAL NOTES**

- PROVIDE PROTECTION FOR EXISTING FEATURES TO REMAIN.
- PROVIDE PROTECTION PLAN FOR APPROVAL SCHEDULE AND COMPLETE WORK AS REQUIRED TO GIVE THE SITE
- IMPROVEMENT CONTRACTORS ACCESS TO THEIR JOBSITE. PROVIDE JOBSITE FENCING AND SIDEWALK BRIDGING AS REQUIRED
- FOR PUBLIC SAFETY AND BUILDING ACCESS AS REQUIRED. COORDINATE AND COOPERATE WITH THE WORK OF OTHER
- CONTRACTORS AS REQUIRED TO ENSURE COMPLETION OF ALL

CONSULTANT INFORMATION 3 Aerial Way, Syosset, New York 11791, (516) 938-5476 www.liro.com

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RECORD DRAWING CERTIFICATION

NAME

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WESTCHESTER COUNTY, NEW YOR DEPARTMENT OF PUBLIC WORKS AND TRANSPORTAT DIVISION OF ENGINEERING

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **CXB - BUILDING CONVERSION** 

**CONSTRUCTION STAGING PLAN AND CODE ANALYSIS** 

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	DWG NO.: Page 169 of 288					
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# PLAYLAND REHABILITATION & UPGRADES

# GAMES ROW NORTH RESTROOMS ASBESTOS ABATEMENT 1 PLAYLAND PKWY, RYE, NY 10580

SCOPE OF WORK:

	Work
Lock Door	STANDARD CO.

Clean Room

Work Area	Location	Description	Material	Quantity	ICR 56 Procedure
1 Exterio	Exterior	North, East, West and	Transite Siding	1,100 SF	56.11.6
	South	Exterior Window Caulking	210 SF (15 at 14 LF each)	56.11.6	

# Ceiling Slab Duct Tape Fire Retardants §\* Plywood Supported by 2\*\*x4\* Fire Rated Studs NON-ABATEMENT SIDE ABATEMENT SIDE ABATEMENT SIDE TYPICAL HARD WALL BARRIER AT OPENINGS MORE THAN 32SF Not To Scale

Shower

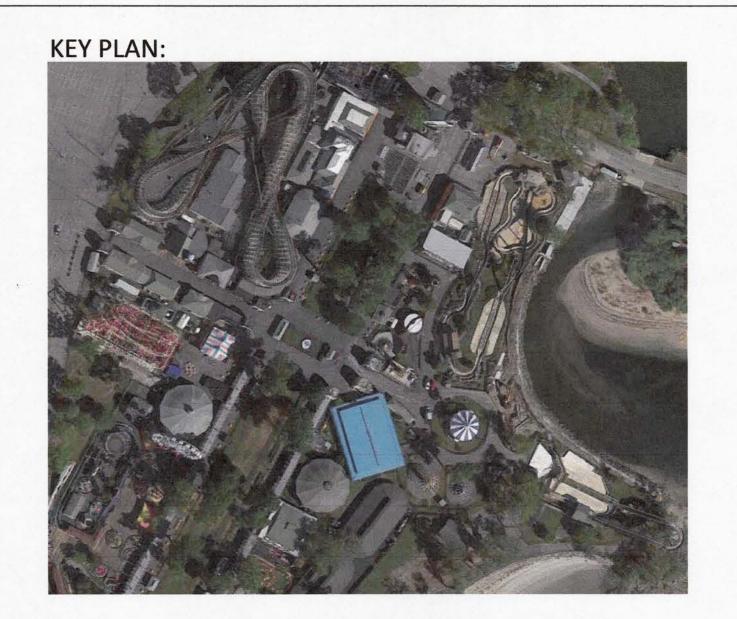
LARGE PROJECT WORKER DECONTAMINATION UNIT

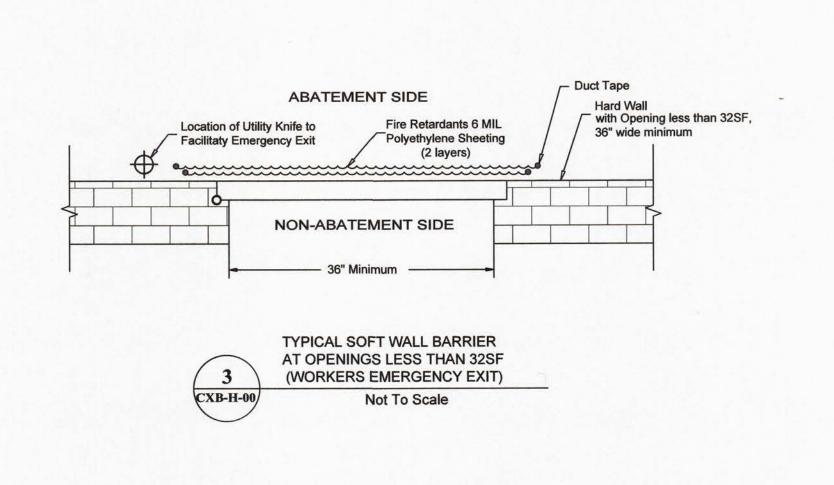
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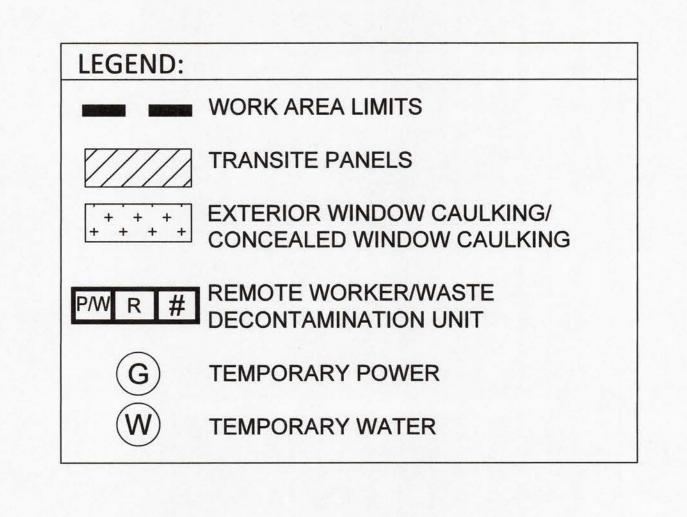
Equip.

Room

To Work







#### **PROJECT NOTES:**

- THE CONTRACTOR SHALL BE AWARE OF ALL CONDITIONS OF THE PROJECT AND IS RESPONSIBLE FOR VERIFYING QUANTITIES AND LOCATIONS OF ALL WORK TO BE PERFORMED. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATION TO FURNISH ALL LABOR AND MATERIALS NECESSARY TO PERFORM THE WORK.
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT DOCUMENTS AND ALL GOVERNING CODES, RULES, AND REGULATIONS. WHERE CONFLICTS OCCUR BETWEEN THE PROJECT DOCUMENTS AND APPLICABLE CODES, RULES, AND REGULATIONS, THE MORE STRINGENT SHALL APPLY.
- 3. WORKING HOURS SHALL BE AS REQUIRED AND APPROVED BY THE OWNER. ASBESTOS ABATEMENT ACTIVITIES INCLUDING, BUT NOT LIMITED TO, WORK AREA PREPARATION, GROSS REMOVAL ACTIVITIES, CLEANING ACTIVITIES, WASTE REMOVAL, ETC. MAY NEED TO BE PERFORMED DURING 'OFF-HOURS' (INCLUDING NIGHTS AND WEEKENDS). IN ADDITION, MULTIPLE MOBILIZATIONS MAY BE REQUIRED TO PERFORM THE WORK IDENTIFIED IN THIS PROJECT. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH THE FACILITY AND OWNER'S REPRESENTATIVE.
- 4. THE CONTRACTOR SHALL PREPARE AND COORDINATE WITH FACILITY REPRESENTATIVE THE POSTING OF APPROPRIATE SIGNAGE AT THE ENTRANCEWAY THAT REDIRECTS PARK OCCUPANTS AWAY FROM THE AREA OF THE ABATEMENT.
- 5. THE CONTRACTOR SHALL USE BARRIER TAPE TO EXTEND THE LIMITS OF THE ACTIVE, REGULATED WORK AREAS CLOSED TO THE PUBLIC AND OTHER NON-ABATEMENT TRADES.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEFINING AND COORDINATING THE PHASES OF THE ABATEMENT WITH THE FACILITY AND DPW, AS WELL AS SECURING ANY SITE SPECIFIC VARIANCES, PERMITS, AND ANY NECESSARY NYS DOL APPROVALS.
- THE CONTRACTOR SHALL COORDINATE LOCATIONS OF DECONTAMINATION UNITS, ROUTES OF EGRESS, TEMPORARY WATER AND POWER CONNECTIONS AND WASTE CONTAINER LOCATIONS WITH THE OWNER AND THE FACILITY.
- THE CONTRACTOR WILL NEED TO SUPPLY TEMPORARY POWER/WATER SOURCES IF THEY CANNOT BE PROVIDED BY FACILITY.
- 9. THE CONTRACTOR SHALL SUPPLY ANY AND ALL SCAFFOLDING FOR THE WORK AREA(S) UNDER THIS CONTRACT. SCAFFOLDING STRUCTURE AND MAINTENANCE SHALL BE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL SAFETY REQUIREMENTS.
- 10. THE CONTRACTOR IS TO PROTECT ANY AND ALL EXPOSED SURFACES NOT TARGETED FOR ABATEMENT. THE CONTRACTOR SHALL REQUEST AND RECEIVE IN WRITING PRIOR TO PRECEDING WITH ANY WORK INFO FROM THE OWNER REGARDING SURFACES / MATERIALS THAT REQUIRE PROTECTION.
- 11. WASTE GENERATED BY THE ABATEMENT WORK OF THIS CONTRACT SHALL BE STORED SECURELY USING A CLOSED WASTE CONTAINER
- 12. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PREPARE A PROJECT SPECIFIC WORK PLAN DETAILING THE ABATEMENT SCHEDULE, WORK FORCE ON SITE, ENTRY/EGRESS FROM EACH WORK AREA, SOURCES OF TEMPORARY POWER AND WATER, AND WASTE STORAGE LOCATIONS.
- 13. THE CONTRACTOR SHALL BE AWARE OF THE PRESENCE OF LEAD-BASED PAINT ON MATERIALS AND SURFACES IN AND AROUND WORK AREA AND PERFORM THE OSHA REQUIRED WORKER PROTECTION MEASURES.
- 14. THE REGULATED WORK AREA SHALL BE ESTABLISHED 25' AROUND THE PERIMETER OF THE STRUCTURE USING BARRIER TAPE.
- 15. FOR WINDOW CAULKING ABATEMENT CONTRACTOR MAY REMOVE THE ENTIRE WINDOW ASSEMBLY AND DISPOSE AS ACM. WINDOW OPENING SHALL BE COVERED WITH CONSTRUCTION PLYWOOD SHEATHING PAINTED IN WHITE.
- 16. UNLESS BUILDING IS FATED FOR DEMO, REPLACE TRANSITE PANELS AT ALL LOCATION WITH CONSTRUCTION PLYWOOD SHEATHING PAINTED IN WHITE.
- 17. INSTALL TEMPORARY ROOFING FOLLOWING REMOVAL OF ACM ROOF. CONTRACTOR SHALL USE A CLIENT APPROVED PRODUCT.

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PROJECT COORDINATOR

SIGNATURE \_\_\_\_

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

INFRASTRUCTURE REHABILITATION- PHASE 2

INFRASTRUCTURE REHABILITATION- PHASE 2
PLAYLAND PARK, RYE, NEW YORK
GAMES ROW NORTH RESTROOMS
GENERAL NOTES

CONTRACT SHEET NUMBER

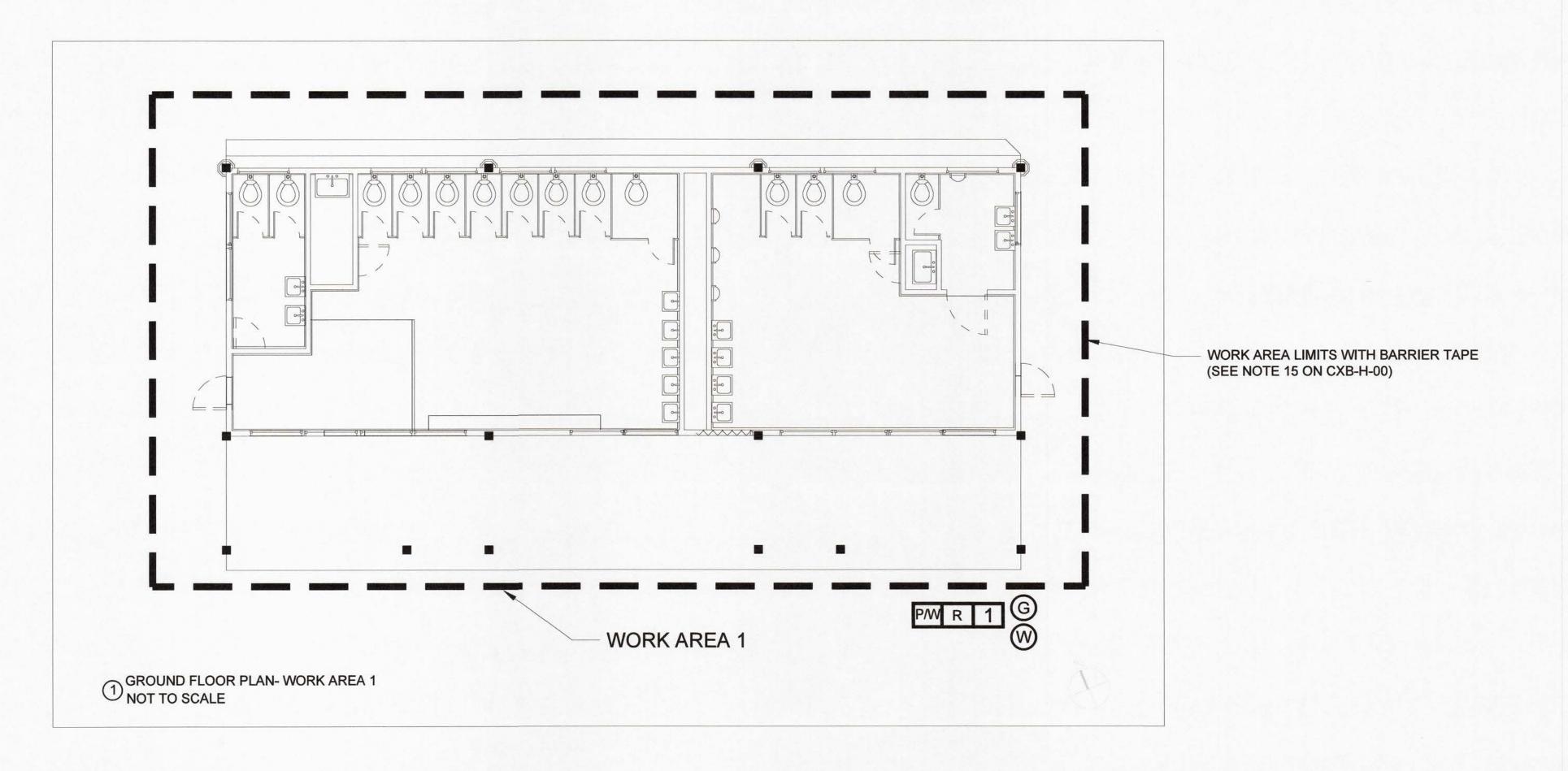
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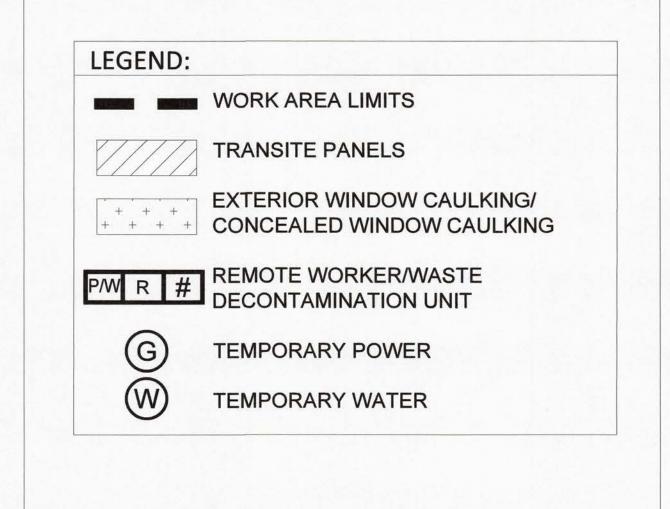
DWG NO.:

SCALE: NOT TO SCALE 288

DATE: MAY 26, 2021

DPW FILE 1-118-G-557





**ASBESTOS KEY NOTES** SEE CXB-H-00.



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TRANSITE PANELS- SOUTH ELEVATION



EXTERIOR ELEVATION NORTH- WORK AREA 1 NOT TO SCALE

RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED

CONTRACTOR

AS BUILT - NO CHANGES

PROJECT COORDINATOR

5 EXTERIOR ELEVATION EAST- WORK AREA 1 NOT TO SCALE

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

INFRASTRUCTURE REHABILITATION- PHASE 2
PLAYLAND PARK, RYE, NEW YORK
GAMES ROW NORTH RESTROOMS
GROUND FLOOR / ELEVATIONS

SHEET NUMBER NUMBER 20-530 CXB-H-01

SCALE: NOT TO SCALE 288 DATE: MAY 26, 2021 DPW FILE 1-118-G-558 REV. 0

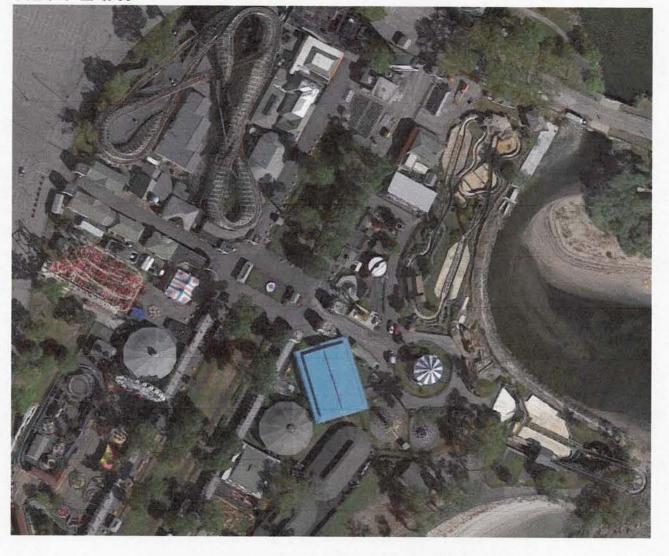
# PLAYLAND REHABILITATION & UPGRADES

### **GAMES ROW NORTH RESTROOMS** LEAD BASED PAINT ABATEMENT 1 PLAYLAND PKWY, RYE, NY 10580

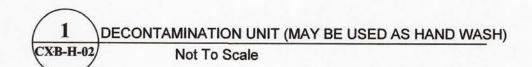
#### SCOPE OF WORK:

Work Area	Location	Description	Material	Quantity	Procedure	
	Courth	Wood Columns (Beige and Green Coating)	144 SF (6 at 24 SF each)			
		South Elevation	Wood Pilaster (Beige, Green & Orange Coating)	48 SF (4 at 12 SF each)		
			Wood Trim (Green Coating)	60 LF		
		Exterior West Elevation	Wood Wall Siding (Beige Coating)	240 SF		
1			Wood Door Frame (Green Coating)	20 LF		
1	Exterior		Wood Trim (Green Coating)	30 LF	Manual Wet Scrape /	
			Wood Pilaster (Beige, Green & Orange Coating)	24 SF (2 at 12 SF each)	Chemical Str	
		North Elevation	Wood Wall Siding (White Coating)	360 SF		
			Wood Wall Siding (White Coating)	240 SF		
		East Elevation	Wood Trim (Green Coating)	30 LF		
			Wood Pilaster (Beige, Green & Orange Coating)	24 SF (2 at 12 SF each)		

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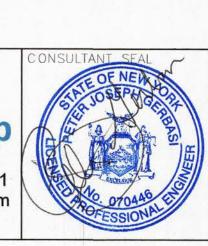
Equip. Lockable To Work Room Shower Clean Room Doorway



#### PROJECT NOTES:

- 1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT DOCUMENTS AND ALL GOVERNING CODES, RULES, AND REGULATIONS. WHERE CONFLICTS OCCUR BETWEEN THE PROJECT DOCUMENTS AND APPLICABLE CODES, RULES, AND REGULATIONS, THE MORE STRINGENT SHALL
- 2. THE CONTRACTOR SHALL BE AWARE OF ALL CONDITIONS OF THE PROJECT AND IS RESPONSIBLE FOR VERIFYING QUANTITIES AND LOCATIONS OF ALL WORK TO BE PERFORMED. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATION TO FURNISH ALL LABOR AND MATERIALS NECESSARY TO PERFORM THE WORK.
- WORKING HOURS SHALL BE AS REQUIRED AND APPROVED BY THE OWNER. ASBESTOS ABATEMENT ACTIVITIES INCLUDING, BUT NOT LIMITED TO, WORK AREA PREPARATION, GROSS REMOVAL ACTIVITIES, CLEANING ACTIVITIES, WASTE REMOVAL, ETC. MAY NEED TO BE PERFORMED DURING 'OFF-HOURS' (INCLUDING NIGHTS AND WEEKENDS). IN ADDITION, MULTIPLE MOBILIZATIONS MAY BE REQUIRED TO PERFORM THE WORK IDENTIFIED IN THIS PROJECT. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH THE FACILITY AND OWNER'S REPRESENTATIVE
- 4. THE CONTRACTOR SHALL PREPARE AND COORDINATE WITH FACILITY REPRESENTATIVE THE POSTING OF APPROPRIATE SIGNAGE AT THE ENTRANCEWAY THAT REDIRECTS PARK OCCUPANTS AWAY FROM THE AREA OF THE ABATEMENT.
- 5. THE CONTRACTOR SHALL USE BARRIER TAPE TO EXTEND THE LIMITS OF THE ACTIVE, REGULATED WORK AREAS CLOSED TO THE PUBLIC AND OTHER NON-ABATEMENT TRADES.
- 6. THE CONTRACTOR WILL NEED TO SUPPLY TEMPORARY POWER / WATER SOURCES IF THEY CANNOT BE PROVIDED BY FACILITY.
- 7. THE CONTRACTOR SHALL SUPPLY ANY AND ALL SCAFFOLDING FOR THE WORK AREA(S) UNDER THIS CONTRACT. SCAFFOLDING STRUCTURE AND MAINTENANCE SHALL BE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL SAFETY REQUIREMENTS.
- 8. THE CONTRACTOR SHALL SUPPLY TEMPORARY HEATING TO WORK AREA(S) ENCLOSURES TO FACILITATE CHEMICAL STRIPPING OF LEAD-BASED PAINT (LBP) AS PER PRODUCT REQUIREMENTS.
- 9. IF NECESSARY, CONTRACTOR IS TO PROTECT ANY AND ALL EXPOSED SURFACES NOT TARGETED FOR ABATEMENT. THE CONTRACTOR SHALL REQUEST AND RECEIVE IN WRITING PRIOR TO PRECEDING WITH ANY WORK INFO FROM THE OWNER REGARDING SURFACES / MATERIALS THAT REQUIRE PROTECTION.
- 10. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PREPARE A PROJECT SPECIFIC WORK PLAN DETAILING THE ABATEMENT SCHEDULE, WORK FORCE ON SITE, ENTRY/EGRESS FROM EACH WORK AREA, SOURCES OF TEMPORARY POWER AND WATER, AND WASTE STORAGE LOCATIONS.
- 11. THE CONTRACTOR SHALL PREPARE A HAND-WASH FACILITY OR DECONTAMINATION UNIT IMMEDIATELY ADJACENT TO THE WORK AREA.
- 12. XRF TESTING DOES NOT DIFFERENTIATE BETWEEN SEPARATE LAYERS OF THE PAINT. ALL COATINGS SHALL BE CONSIDERED AS LBP AND REMOVED TO SUBSTRATES.
- 13. THE CONTRACTOR SHALL SEPARATE PAINT CHIPS AND CONTAMINATED DUST/PARTICULATE GENERATED BY THE ABATEMENT FROM OTHER PROJECT WASTE STREAMS INCLUDING WORKER PERSONAL PROTECTIVE EQUIPMENT AND PLASTIC SHEETING. ALL WASTE OTHER THAN LEAD PAINT CHIPS AND CONTAMINATED DUST/PARTICULATE SHALL BE TCLP TESTED PRIOR TO DISPOSAL.
- 14. WASTE GENERATED BY THE WORK OF THIS METHOD SHALL BE STORED ON SITE IN A NYSDEC COMPLIANT HAZARDOUS WASTE STORAGE AREA AND TRANSPORTED UNDER MANIFEST TO THE DISPOSAL SITE.
- 15. THE CONTRACTOR SHALL PREPARE A PROJECT SPECIFIC HASP FOR THE WORK OF THIS CONTRACT.
- 16. LBP REMEDIATION SHALL BE CONSISTENT WITH GUIDELINES FROM SSPC AND WORK SHALL COMPLY WITH THE OSHA REGULATIONS.
- 17. SUBSTRATES COATED WITH LBP AND TARGETED FOR DEMOLITION MAY BE REMOVED AND DISPOSED OF SOLID STRUCTURE WASTE FOLLOWING TCLP TESTING.
- 18. INTERIOR COATED SUBSTRATES SHALL BE CONSIDERED AS LBP AND REMOVED AND DISPOSED AS CONSTRUCTION WASTE FOLLOWING TCLP TESTING. LOCALIZED REMOVAL OF LBP ON SOME SURFACES (WALL/CEILING) MAY BE REQUIRED AS PART OF THIS PROJECT. ANY SUCH WORK SHALL BE PERFORMED CONSISTENT WITH THE PROJECT SPECIFICATIONS.
- 19. SUBSTRATES COATED WITH LBP AND TARGETED FOR REFURBISH AND RECOATING SHALL BE ABATED USING MANUAL WET SCRAPING OR CHEMICAL STRIPPING PROCEDURES, LOCALIZED TESTING OF CHEMICAL STRAPPING PRODUCTS SHALL PROCEED BROADER USE AND ONLY AFTER APPROVAL BY THE PROJECT ENGINEER/CONSULTANT. THE CONTRACTOR MAY PROPOSE ALTERNATE LBP REMOVAL PROCEDURES HOWEVER, USE OF ALTERNATE PROCEDURES WILL REQUIRE APPROVAL BY DPW ENVIRONMENTAL CONSULTANT; THE ABATEMENT CONTRACTOR IS RESPONSIBLE WITH MAINTAINING THE PHYSICAL CONDITIONS AND INTEGRITY OF THE TARGETED SUBSTRATES, AND THE SURROUNDING STRUCTURES DURING ABATEMENT WORK.
- 20. ABATED EXTERIOR SUBSTRATE SHALL BE COATED WITH A TEMPORARY ALL WEATHER COATING APPROVED BY THE PROJECT ENGINEER.



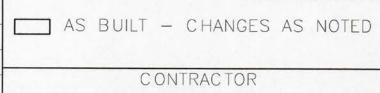


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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

**INFRASTRUCTURE REHABILITATION- PHASE 2** 

CONTRACT NUMBER NUMBER 20-530 CXB-H-02 DWG NO.:

Page 172 of 288
SCALE: NOT TO SCALE DATE: MAY 26, 2021

DPW FILE NUMBER 1-118-G-559

\_\_\_\_\_ DATE \_\_\_\_

LEGEND:

WORK AREA LIMITS

PW R # DECONTAMINATION UNIT

WOOD WALL SIDING (BEIGE)

WOOD TRIM & FRAMING (GREEN)

RECORD DRAWING CERTIFICATION

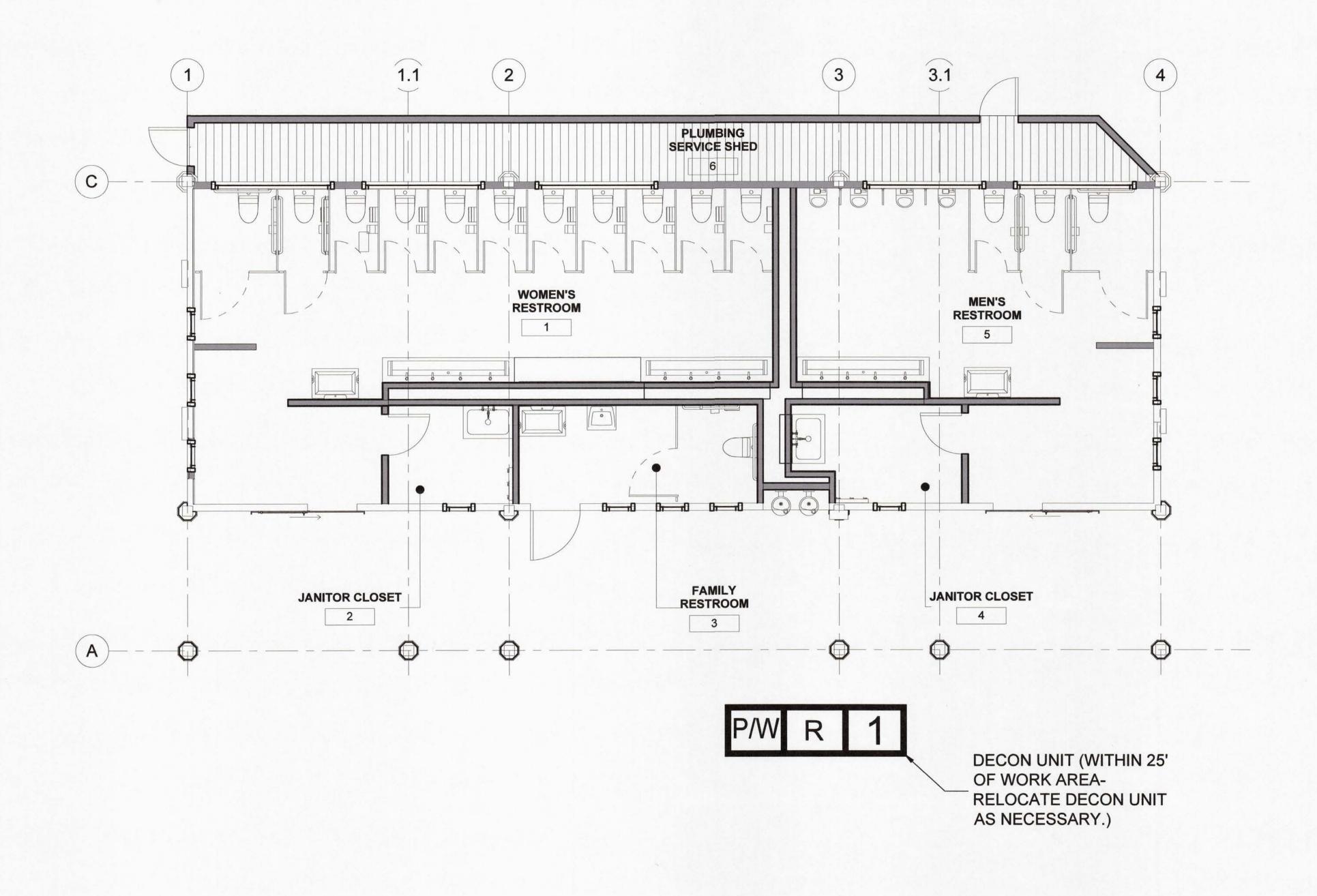
COLUMNS & PILASTERS (BEIGE, GREEN, ORANGE)

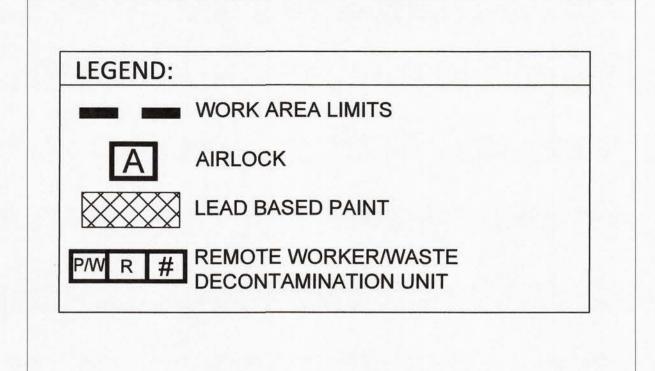
REMOTE WORKER/WASTE

**TEMPORARY POWER** 

**TEMPORARY WATER** 

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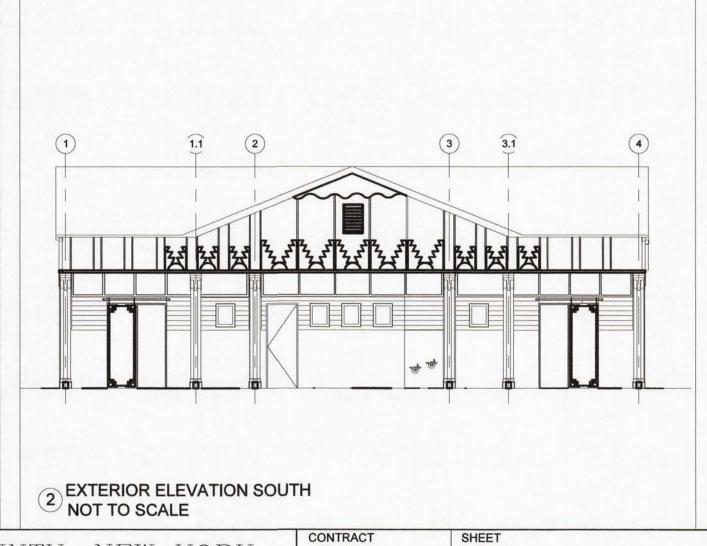




#### **LEAD BASED PAINT NOTES**

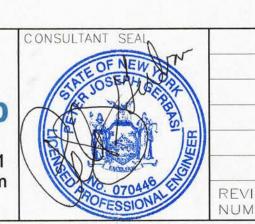
SEE CXB-H-02.







1 GROUND FLOOR PLAN NOT TO SCALE



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SIGNATURE \_\_\_\_

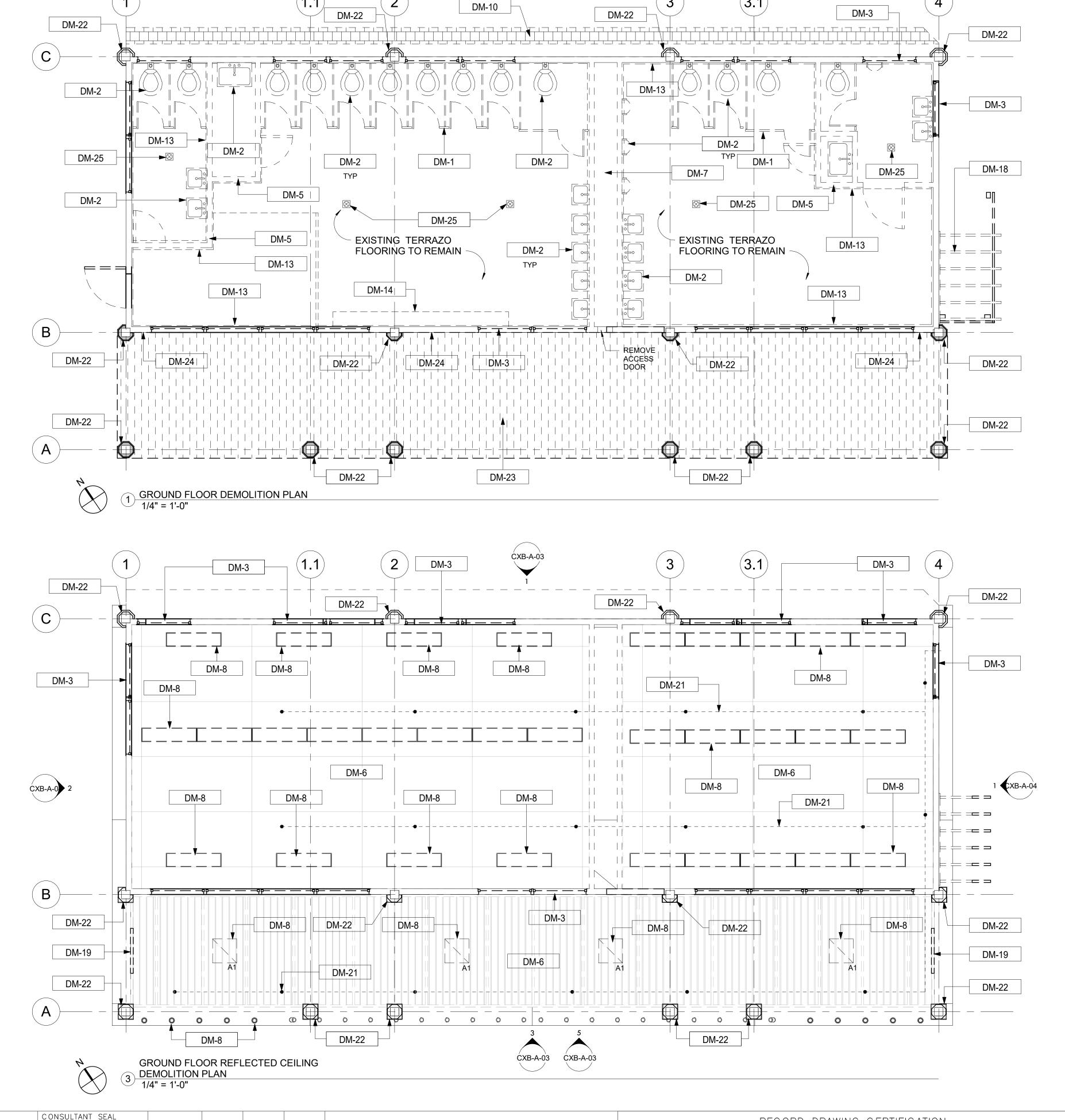
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

INFRASTRUCTURE REHABILITATION- PHASE 2
PLAYLAND PARK, RYE, NEW YORK
GAMES ROW NORTH RESTROOMS
GROUND FLOOR PLAN

CONTRACT NUMBER SHEET NUMBER 20-530 CXB-H-03 DWG NO .: SCALE: NOT TO SCALE 288

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DATE: MAY 26, 2021 DPW FILE 1-118-G-560



#### **DEMOLITION LEGEND**

DEMOLITION / REMOVAL OF EXISTING --------

**BUILDING ELEMENTS AND FIXTURES** 

EXISTING WALLS, PARTITIONS AND ITEMS TO REMAIN

DEMOLITION / SPRINKLER HEADS AND DRY PIPING (SEE FP DRAWINGS)

#### **DEMOLITION KEY NOTES**

Key Value Keynote Text

DM-1	REMOVE EXISTING TOILET PARTITIONS AND ACCESSORIES.
DM-2	REMOVE EXISTING PLUMBING FIXTURES, TOILET ACCESSORIES AND ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS.(SEE PLUMBING DRAWINGS).
DM-3	REMOVE EXISTING WINDOWS, FRAMES AND WALL INFILL.
DM-5	REMOVE EXISTING INTERIOR PARTITIONS.
DM-6	REMOVE EXISTING PANELING CEILING AND CEILING FRAMING TO UNDERSIDE OF ROOF TRUSSES. COORDINATE WITH STRUCTURAL DRAWINGS.
DM-7	REMOVE EXISTING CHASE WALL.
DM-8	REMOVE EXISTING LIGHTING FIXTURES AND ELECTRICAL WIRING CONNECTED TO THESE FIXTURES. (SEE ELECTRICAL DRAWINGS)
DM-10	REMOVE EXISTING SHED WALLS AND ROOF OVER PIPE SPACE.
DM-13	REMOVE EXISTING WALL FINISHES.
DM-14	REMOVE EXISTING COUNTER AND ANY ASSOCIATED SUPPORTS.
DM-18	REMOVE EXISTING WOOD ENCLOSURE AND RAFTERS.
DM-19	REMOVE EXISTING RESTROOMS SIGNAGE AND ASSOCIATED HARDWARE.
DM-21	REMOVE EXISTING SPRINKLER HEAD AND DRY PIPING. (SEE PLUMBING DRAWINGS).
DM-22	REMOVE EXISTING COLUMN COVERS. COORDINATE WITH STRUCUTRAL DRAWINGS FOR COLUMN REMEDIATION.
DM-23	REMOVE EXISTING TIMBER DECKING. (SEE STRUCTURAL DRAWINGS).
DM-24	EXISTING TIMBER FRAMED WALL TO BE DEMOLISHED AND TEMPORARILY SHORED AS REQUIRED FOR NEW COLUMN INSTALLATION AND RESTORED. (SEE STURAL DRAWINGS).
DM-25	REMOVE EXISTING FLOOR DRAINS WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS. (SEE PLUMBING DRAWINGS).

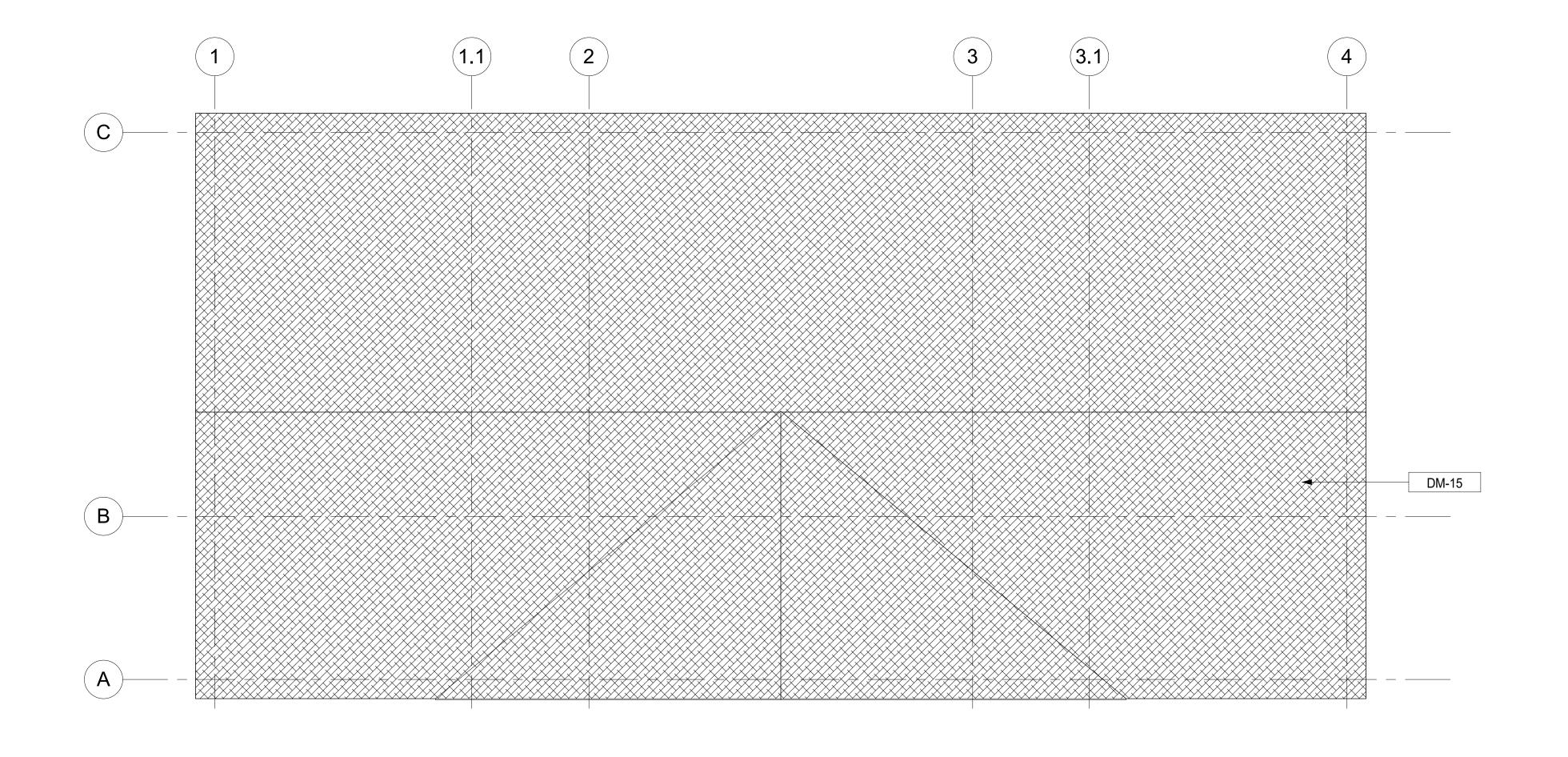
#### **GENERAL DEMOLITION NOTES**

- CONDITIONS AND REQUIREMENTS OF THE WORK. THE GENERAL CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITIES OF ALL ITEMS TO BE DEMOLISHED.
- 2. ITEMS TO BE DEMOLISHED AS INDICATED ON THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF THE DEMOLITION WORK. THE DRAWINGS DO NOT REPRESENT IN DETAIL ALL ITEMS OR SITUATIONS THAT MAY BE ENCOUNTERED DURING THE DEMOLITION. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REMOVE, PROTECT, AND MAKE CORRECTIONS AS REQUIRED TO ACHIEVE DRAWING INTENT
- 3. PLAYLAND RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
- 4. DEMOLITION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OF THIS CONTRACT.
- 5. THE GENERAL CONTRACTOR TO DISCONNECT ALL UTILITIES PRIOR TO DEMOLITION.
- CONTRACTOR TO OBTAIN "SHUT OFF" APPROVALS FROM PLAYLAND.
- 6. THE GENERAL CONTRACTOR SHALL USE EXTREME CAUTION IN AREAS OF DEMOLITION WHICH MAY DISTURB ADJACENT STRUCTURES. TEMPORARY SHORING, BARRICADES, ETC. SHALL BE PROVIDED AS REQUIRED TO PROTECT GENERAL PUBLIC. ALL EXISTING STRUCTURES AND
- 7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING UP AND HAULING AWAY OF ALL TRASH AND DEBRIS ON A REGULAR BASIS DURING THE CONSTRUCTION PERIOD. HE/SHE SHALL MAINTAIN SANITARY CONDITIONS TO ALLOW FOR THE CONTINUOUS SAFE AND SANITARY CONDITIONS OPERATION OF THE EXISTING SUPERMARKET.
- 8. EXCAVATIONS SHALL BE MAINTAINED FREE OF WATER. 9. EXCAVATE AS REQUIRED TO FACILITATE ANY FORMWORK WHICH MAY BE NECESSARY TO ACHIEVE THE DESIRED RESULTS. EXCAVATE AS REQUIRED FOR SERVICE LINES, DRAINAGE, PLUMBING, ETC. (NOT INDICATED WITHIN)
- 10. REMOVALS INCLUDE ALL WALL MOUNTED ITEMS INCLUDING COAT HOOKS, SHELVING, HARDWARE, MISCELLANEOUS FASTENINGS, DEVICES, SIGNAGE, ETC. TO MATCH EXISTING
- SURFACE CONDITIONS. 11. REMOVAL OF ALL CEILINGS AND MOUNTED ITEMS THROUGHOUT THE CONTRACT AREA
- INCLUDE ANCHORING HARDWARE, GRIDS, MISCELLANEOUS FASTENINGS, ETC. 12. ALL SURFACES DISTURBED BY REMOVALS SHALL BE PATCHED TO MATCH EXISTING FINISHES.
- TYPICAL THROUGHOUT FOR WALLS, CEILINGS AND FLOORS. 13. EXISTING TERRAZZO FLOORING TO REMAIN. INFILL / PATCH EXIISTING TERRAZZO TO RECEIVE
- NEW EPOXY FLOORING. 14. PROTECT ALL ITEMS AND ELEMENTS TO REMAIN. REMOVAL OF ALL ITEMS SHALL BE FLUSH
- WITH EXISTING SURFACES.
- 15. CONTRACTOR IS REQUIRED TO REMOVE ANY AND ALL SUCH ITEMS, DEVICES, AND ANY RELATED WORK NOT SHOWN AS REQUIRED TO SUIT ALL NEW CONSTRUCTION.

CONTRACT WESTCHESTER COUNTY, NEW YORK NUMBER DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 CXB-A-01 DIVISION OF ENGINEERING DWG NO.: **Page 174 of 288 INFRASTRUCTURE REHABILITATION - PHASE 2** SCALE: **As indicated** PLAYLAND PARK, RYE, NEW YORK DATE: **May 26, 2021 CXB - BUILDING CONVERSION GROUND FLOOR DEMOLITION PLAN AND RCP** DPW FILE **1-118-A-561** NUMBER REV. NO.

CONSULTANT

RECORD DRAWING CERTIFICATION \_\_\_\_ AS BUILT - NO CHANGES AS BUILT — CHANGES AS NOTED PROJECT COORDINATOR CONTRACTOR NAME NAME SIGNATURE \_\_ SIGNATURE MADE APP'D BY BY DATE \_\_\_\_\_ REVISION NUMBER DATE \_\_\_ DATE \_\_\_\_\_ TITLE REVISION



DEMOLITION ROOF PLAN

1/4" = 1'-0"

#### **DEMOLITION LEGEND**

DEMOLITION / REMOVAL OF EXISTING BUILDING ELEMENTS AND FIXTURES

EXISTING WALLS, PARTITION AND ITEMS TO BE REMAIN

DEMOLITION / REMOVAL OF EXISTING SHINGLES (SEE KEY NOTE, DM-15)

DEMOLITION / SPRINKLER HEADS AND DRY PIPING (SEE FP DRAWINGS)

#### **DEMOLITION KEY NOTES**

Key Value

Keynote Text

DM-15

REMOVE EXISTING ROOF SHINGLES AND UNDERLAYMENT. REMOVE EXISTING ROTTED ROOF SHEATHING.

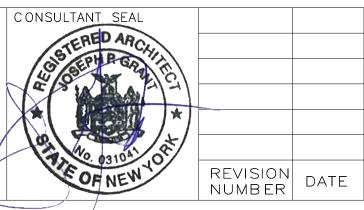
#### **GENERAL DEMOLITION NOTES**

- REMOVALS INCLUDE ALL WALL MOUNTED ITEMS INCLUDING COAT HOOKS, SHELVING, HARDWARE, MISCELLANEOUS FASTENINGS, DEVICES, SIGNAGE, ETC. TO MATCH EXISTING SURFACE CONDITIONS.
- 2. REMOVAL OF ALL CEILINGS AND MOUNTED ITEMS THROUGHOUT THE CONTRACT AREA INCLUDE ANCHORING HARDWARE, GRIDS, MISCELLANEOUS FASTENINGS, ETC.
- ALL SURFACES DISTURBED BY REMOVALS SHALL BE PATCHED TO MATCH EXISTING FINISHES. TYPICAL THROUGHOUT FOR WALLS, CEILINGS AND FLOORS.
- 4. EXISTING TERRAZZO FLOORING TO REMAIN. INFILL / PATCH EXIISTING TERRAZZO TO RECEIVE NEW EPOXY FLOORING.
- 5. PROTECT ALL ITEMS AND ELEMENTS TO REMAIN. REMOVAL OF ALL ITEMS SHALL BE FLUSH WITH EXISTING SURFACES.
- CONTRACTOR IS REQUIRED TO REMOVE ANY AND ALL SUCH ITEMS, DEVICES, AND ANY RELATED WORK NOT SHOWN AS REQUIRED TO SUIT ALL NEW CONSTRUCTION.

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CONTRACTOR PROJECT COORDINATOR

NAME

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_

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

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK
CXB - BUILDING CONVERSION
DEMOLITION ROOF PLAN

CONTRACT NUMBER

20-530 CXB-A-02

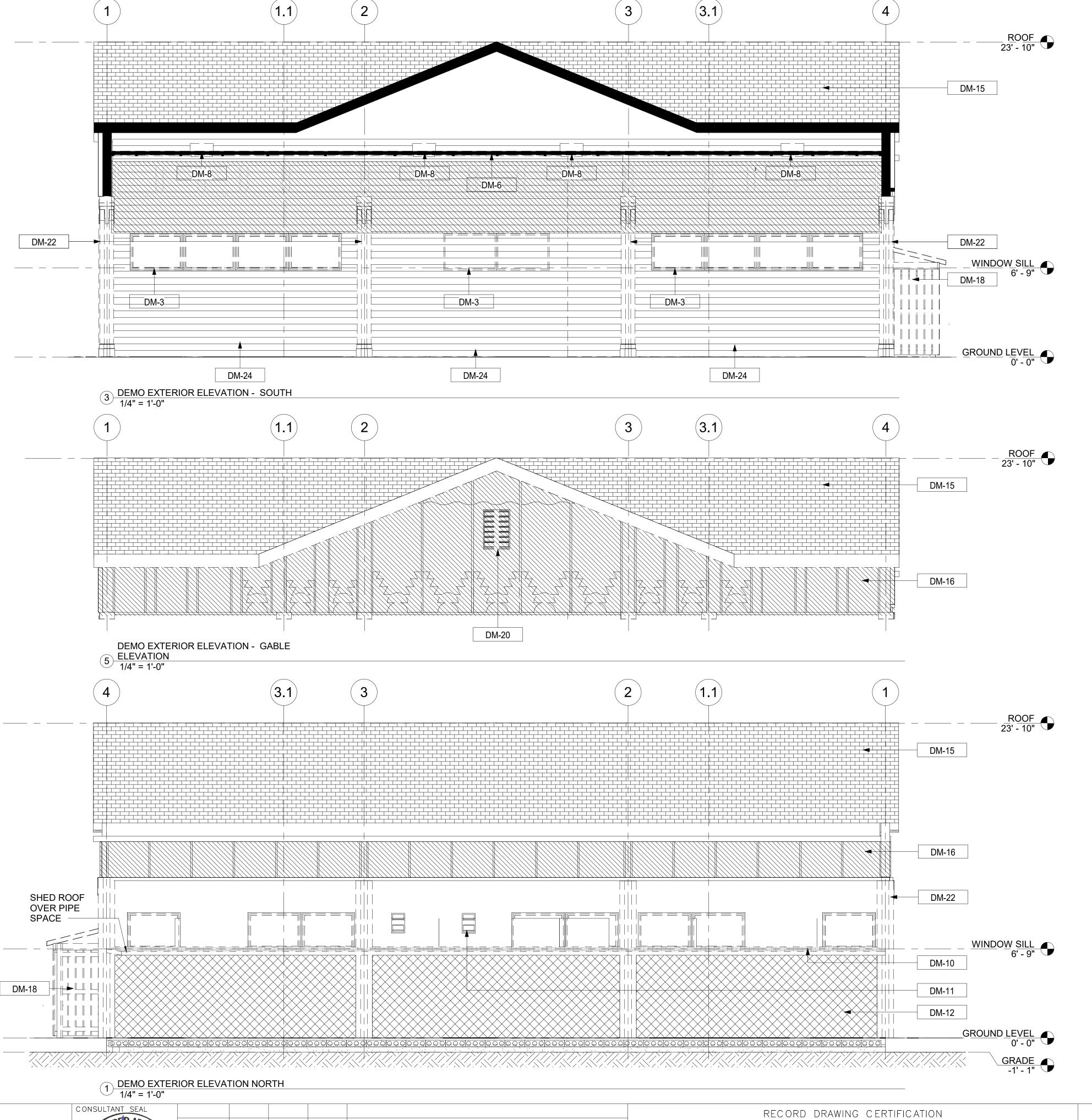
DWG NO.: Page 175 of 288

SCALE: As indicated

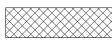
DATE: May 26, 2021

DPW FILE NUMBER

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#### **DEMOLITION LEGEND**



SHEATHING AREA TO BE REMOVED AND REPLACE



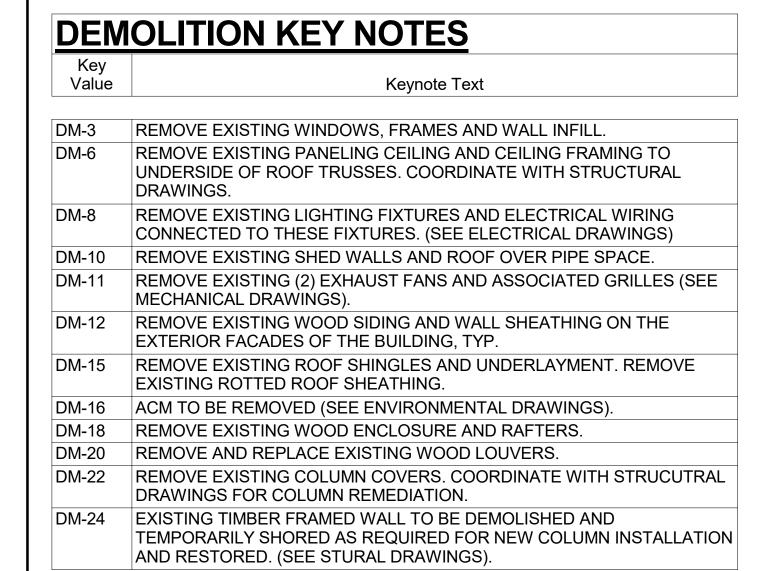
**ACM LOCATION** 



DEMOLITION / REMOVAL OF EXISTING **BUILDING ELEMENTS AND FIXTURES** 

**EXISTING WALLS, PARTITION AND ITEMS** 

TO REMAIN



#### **GENERAL DEMOLITION NOTES**

- 1. PROVIDE DEMOLITION WORK AS SHOWN ON DRAWINGS AND / OR AS SPECIFIED. HOWEVER, THESE DRAWINGS ARE TO BE USED AS A GUIDE FOR ALL CONTRACTORS.
- 2. DASHED LINES INDICATE WALLS, FIXTURES, ETC. TO BE REMOVED AND DISPOSED BY GENERAL CONTRACTOR. ANY QUESTION ON SCOPE OF DEMOLITION MUST BE DIRECTED TO THE ARCHITECT
- THE EXISTING WORK REQUIRED TO BE DEMOLISHED SHALL BE AS INDICATED BUT SHALL ALSO EXTENDED TO INCLUDE ANY AND ALI OTHER EXISTING MATERIALS OR WORK NECCESARY TO INSTALL THE NEW WORK AS SHOWN AND SPECIFIED AND TO CONNECT SAME WITH THE EXISTING WORK IN APPROVED MANNER.
- 4. ALTER AND RESTORE EXISTING WALLS, COLUMNS, AND THEIR RESPECTIVE FINISHED SURFACE TO ACCOMODATE NEW CONSTRUCTION AND FINISHES IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
- 5. AS PART OF CONTRACT OBLIGATION, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION, CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK, COMMENCEMENT OF WORK SHALL IMPLY ACCEPTANCE OF ALL EXISTING CONDITIONS.

INFORMATION 3 Aerial Way, Syosset, New York 11791 (516) 938-5476

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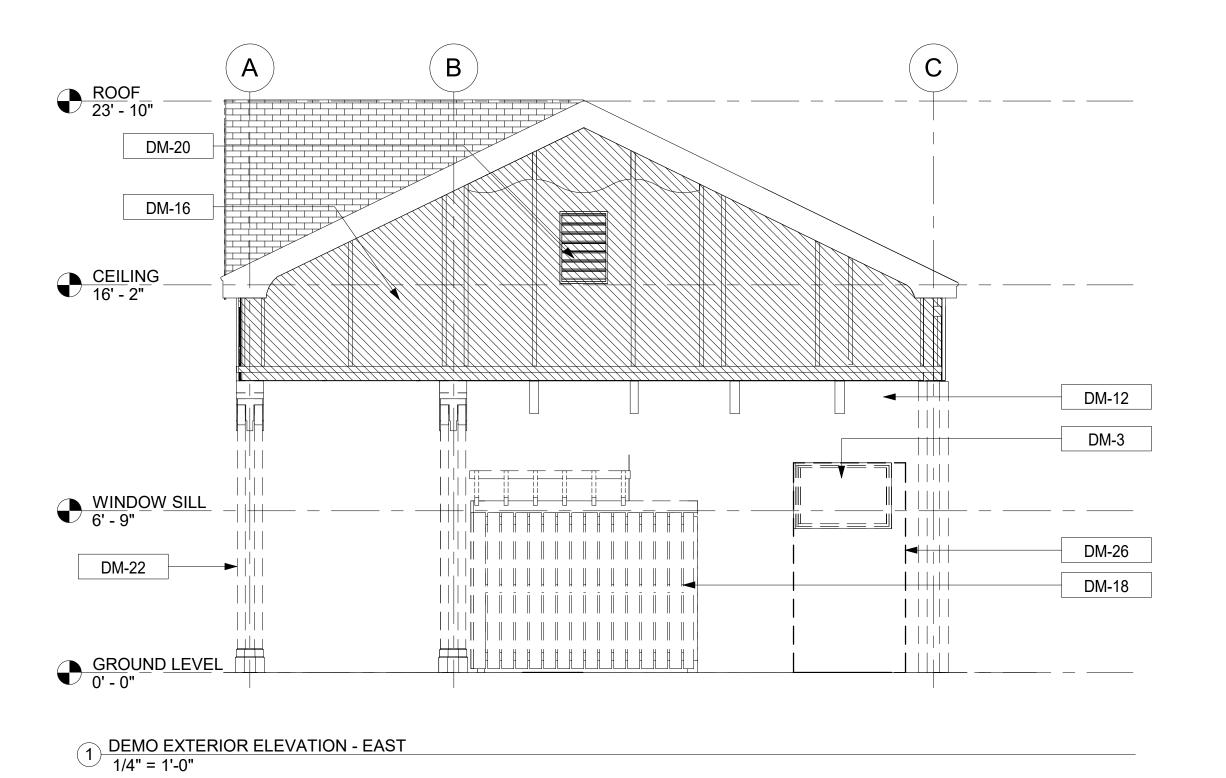
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

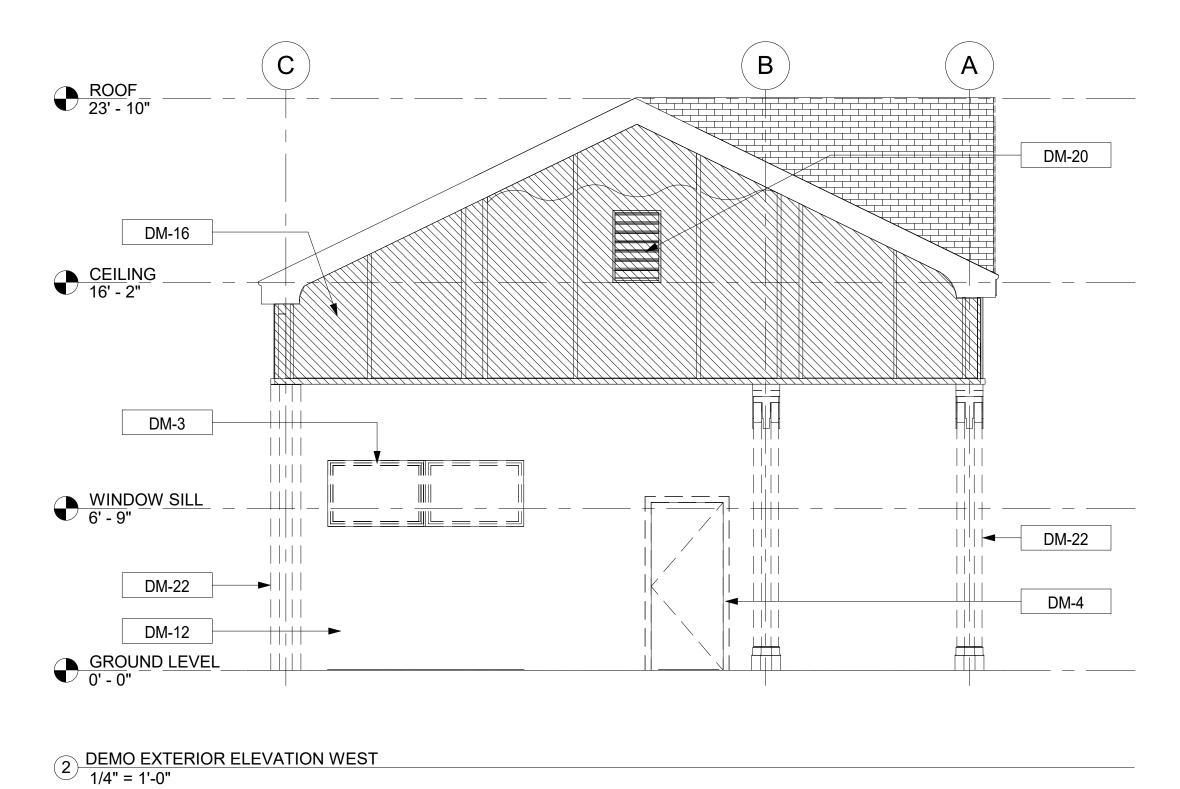
DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK CXB - BUILDING CONVERSION **DEMOLITION - EXTERIOR ELEVATIONS** 

SHEET NUMBER CONTRACT 20-530 CXB-A-03 DWG NO.: **Page 176 of 288** SCALE: **1/4" = 1'-0"** DATE: **May 26, 2021** DPW FILE 1-118-A-563 REV. NO.

\_\_\_\_ AS BUILT - NO CHANGES PROJECT COORDINATOR CONTRACTOR NAME SIGNATURE \_

DATE \_\_\_\_



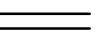


#### **DEMOLITION LEGEND**



**ACM LOCATION** 

DEMOLITION / REMOVAL OF EXISTING BUILDING ELEMENTS AND FIXTURES



EXISTING WALLS, PARTITION AND ITEMS TO BE REMAIN

DEMOLITION KEY NOTES						
Key Value	Keynote Text					
DM-3	REMOVE EXISTING WINDOWS, FRAMES AND WALL INFILL.					
DM-4	REMOVE EXISTING ENTRANCE DOOR, FRAME AND ASSOCIATED HARDWARE.					
DM-12	REMOVE EXISTING WOOD SIDING AND WALL SHEATHING ON THE EXTERIOR FACADES OF THE BUILDING, TYP.					
DM-16	ACM TO BE REMOVED (SEE ENVIRONMENTAL DRAWINGS).					
DM-18	REMOVE EXISTING WOOD ENCLOSURE AND RAFTERS.					
DM-20	REMOVE AND REPLACE EXISTING WOOD LOUVERS.					
DM-22	REMOVE EXISTING COLUMN COVERS. COORDINATE WITH STRUCUTRAL DRAWINGS FOR COLUMN REMEDIATION.					
DM-26	PORTION OF THE WALL TO BE DEMOLISHED TO ACCOMODATE NEW DOOR OPENING. PROVIDE ADEQUATE SHORING FOR THE REMAINING PORTION OF THE WALL TO REMAIN.					

#### **GENERAL DEMOLITION NOTES**

- 1. PROVIDE DEMOLITION WORK AS SHOWN ON DRAWINGS AND / OR AS SPECIFIED. HOWEVER, THESE DRAWINGS ARE TO BE USED AS A GUIDE FOR ALL CONTRACTORS.
- 2. DASHES LINES INDICATE WALLS, FIXTURES, ETC. TO BE REMOVED AND DISPOSED BY GENERAL CONTRACTOR. ANY QUESTION ON SCOPE OF DEMOLITION MUST BE DIRECTED TO THE ARCHITECT
- 3. THE EXISTING WORK REQUIRED TO BE DEMOLISHED SHALL BE AS INDICATED BUT SHALL ALSO EXTENDED TO INCLUDE ANY AND ALL OTHER EXISTING MATERIALS OR WORK NECCESARY TO INSTALL THE NEW WORK AS SHOWN AND SPECIFIED AND TO CONNECT SAME WITH THE EXISTING WORK IN APPROVED MANNER.
- 4. ALTER AND RESTORE EXISTING WALLS, COLUMNS, AND THEIR RESPECTIVE FINISHED SURFACE TO ACCOMODATE NEW CONSTRUCTION AND FINISHES IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
- 5. AS PART OF CONTRACT OBLIGATION, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION, CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK, COMMENCEMENT OF WORK SHALL IMPLY ACCEPTANCE OF ALL EXISTING CONDITIONS.







REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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CONTRACTOR

DATE \_\_\_\_

NAME

SIGNATURE

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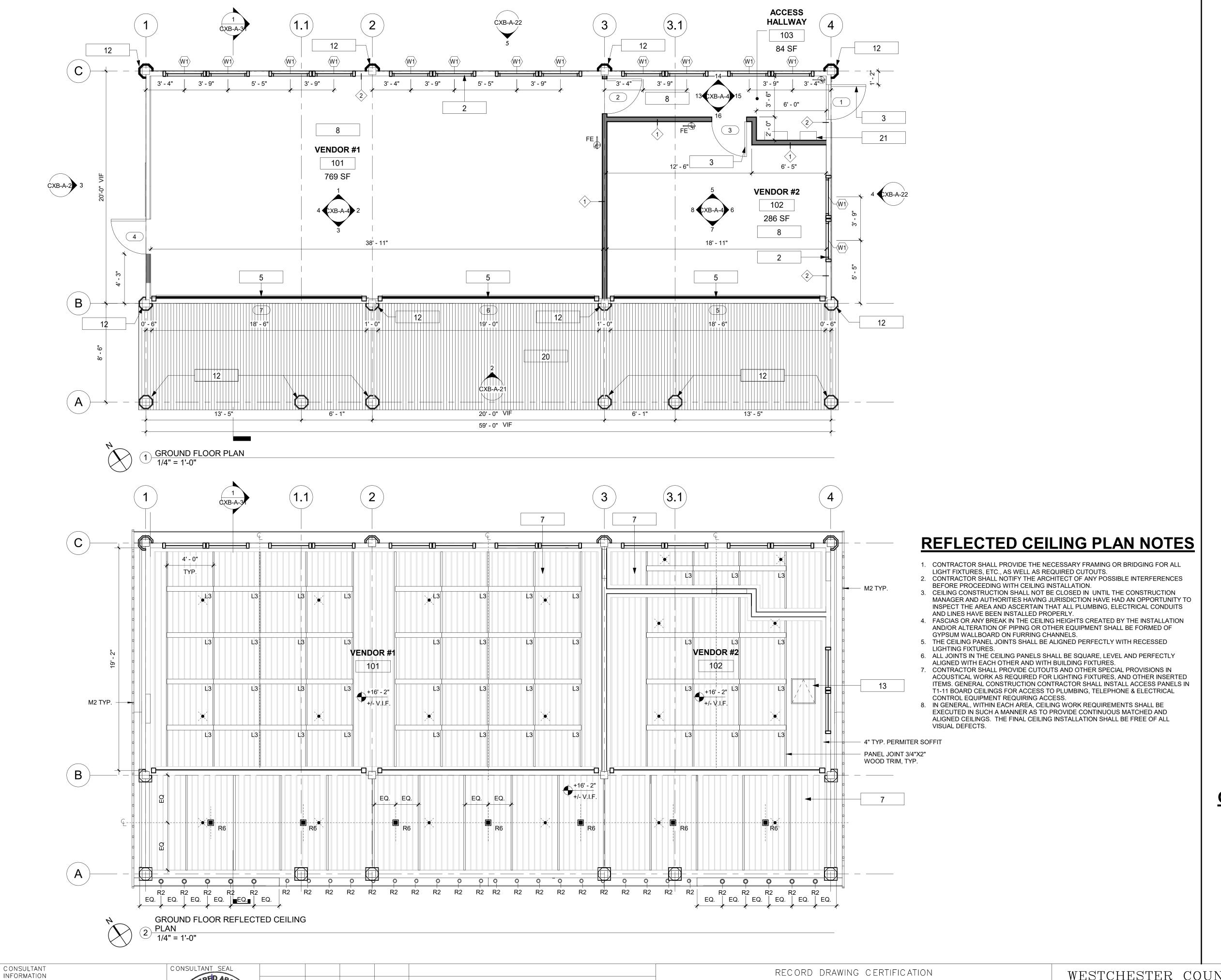
PROJECT COORDINATOR NAME SIGNATURE \_\_\_ \_\_\_\_ DATE \_\_\_\_\_

RECORD DRAWING CERTIFICATION

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

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **CXB - BUILDING CONVERSION DEMOLITION - EXTERIOR ELEVATIONS** 

SHEET NUMBER 20-530 CXB-A-04 DWG NO.: **Page 177 of 288** SCALE: 1/4" = 1'-0" DATE: **May 26, 2021** DPW FILE **1-118-A-564** NUMBER REV. NO.



# **CONSTRUCTION AND RCP LEGEND:**

	EXISTING CONSTRUCTION TO REMAIN
	NEW CONSTRUCTION
#	KEY NOTES
<b>1</b> i	WALL TAG
101	DOOR TAG
<b>(1t)</b>	WINDOW TAG
FE FE	FIRE EXTINGUISHER
R2	R2: 6" RECESSED CAN LIGHT FIXTURE (SEE ELEC. DWGS)
R6	R6: 4" SQUARE RECESSED LIGHT FIXTURE (SEE ELEC. DWGS)
L3	L3: LINEAR LIGHT FIXTURE (SEE ELEC. DWGS)
<b>°</b> M2	M2: MARQUEE LIGHT FIXTURE (SEE ELEC. DWGS)
	PERIMETER SOFFIT
	PERIMETER SOFFIT  T1-11 CEILING BOARD
	T1-11 CEILING BOARD

#### **CONSTRUCTION KEY NOTES**

Key Value	Keynote Text
2	PROVIDE AND INSTALL NEW WINDOWS. REFER TO SHEET CXB-A-62 FOR WINDOW SCHEDULE AND DETAILS.
3	PROVIDE AND INSTALL NEW DOORS. REFER TO SHEET CXB-A-61 FOR DOOR SCHEDULE AND DETAILS.
5	PROVIDE AND INSTALL NEW ROLL-UP DOOR AND ASSOCIATED HARDWARE.
8	INSTALL NEW EPOXY FLOORING AND COVE BASE OVER EXISTING TERRAZZO. REFER TO SHEET A-63 FOR FLOORING DETAILS.
12	PROVIDE AND INSTALL NEW COLUMN ENCLOSURE. (SEE DETAILS ON CXB-A-60).
15	PROVIDE AND INSTALL RIDGE VENT AT ROOF HIPS.
20	PROVIDE AND INSTALL NEW IPE TIMBER DECKING. (SEE STRUCTURAL DRAWINGS FOR DETAILS).
21	NEW ELECTRICAL PANELS. (SEE ELECTRIAL DRAWINGS).

#### **GENERAL CONSTRUCTION NOTES**

- 1. ARCHITECTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS FOR PROJECT. ALL DISCREPANCIES BETWEEN DRAWINGS MUST BE BROUGHT TO ARCHITECTS ATTENTION PRIOR TO PROCEEDING WITH WORK.
- 2. THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING OF WORK.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMS FOR LOCATIONS OF NEW PARTITIONS AND DOOR OPENINGS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND RESOLVED PRIOR
- TO CONSTRUCTION. 4. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IN CASE OF DISCREPANCIES AND SEEK
- CLARIFICATION BEFORE PROCEEDING WITH WORK.
- 5. PROVIDE 20 GAUGE METAL BLOCKING AS REQUIRED TO ANCHOR MILLWORK, FURNITURE PARTITIONS, TOILET ACCESSORIES, PLUMBING FIXTURES, ETC.
- 6. COORDINATE ALL FIXTURES AND DEVICES WITH MECHANICAL ELECTRICAL PLUMBING, FIRE
- PROTECTION, POWER/DATA DRAWINGS. ALL CONFLICTS BETWEEN ARCHITECTURAL AND MEP DRAWINGS MUST BE BROUGHT TO ARCHITECTS ATTENTION.
- 7. IF DURING THE COURSE OF THIS CONTRACT, THE CONTRACTOR DISCOVERS OPENINGS, PIPING CONFLICTS, OR OTHER SITE FACTORS AFFECTING THE INTEGRITY OF EXISTING FIRE STOPPING. THE CONTRACTOR SHALL MAKE REPARATIONS TO RESTORE THE FIRE RATED INTEGRITY OF THE

WESTCHESTER COUNTY, NEW YORK	CONTRACT NUMBER	SHEET NUMBER
EPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	20-530	CXB-A-11
DIVISION OF ENGINEERING	DWG NO.: Page 17	8 of 288
INFRASTRUCTURE REHABILITATION - PHASE 2	SCALE: 1/4" = 1'-0	0"
PLAYLAND PARK, RYE, NEW YORK  CXB - BUILDING CONVERSION	DATE: <b>May 26, 2</b> 6	021
GROUND FLOOR PLAN	DPW FILE 1-118-A-50	REV. 0

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PROJECT COORDINATOR

NAME

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CONTRACTOR

DATE \_\_\_\_\_

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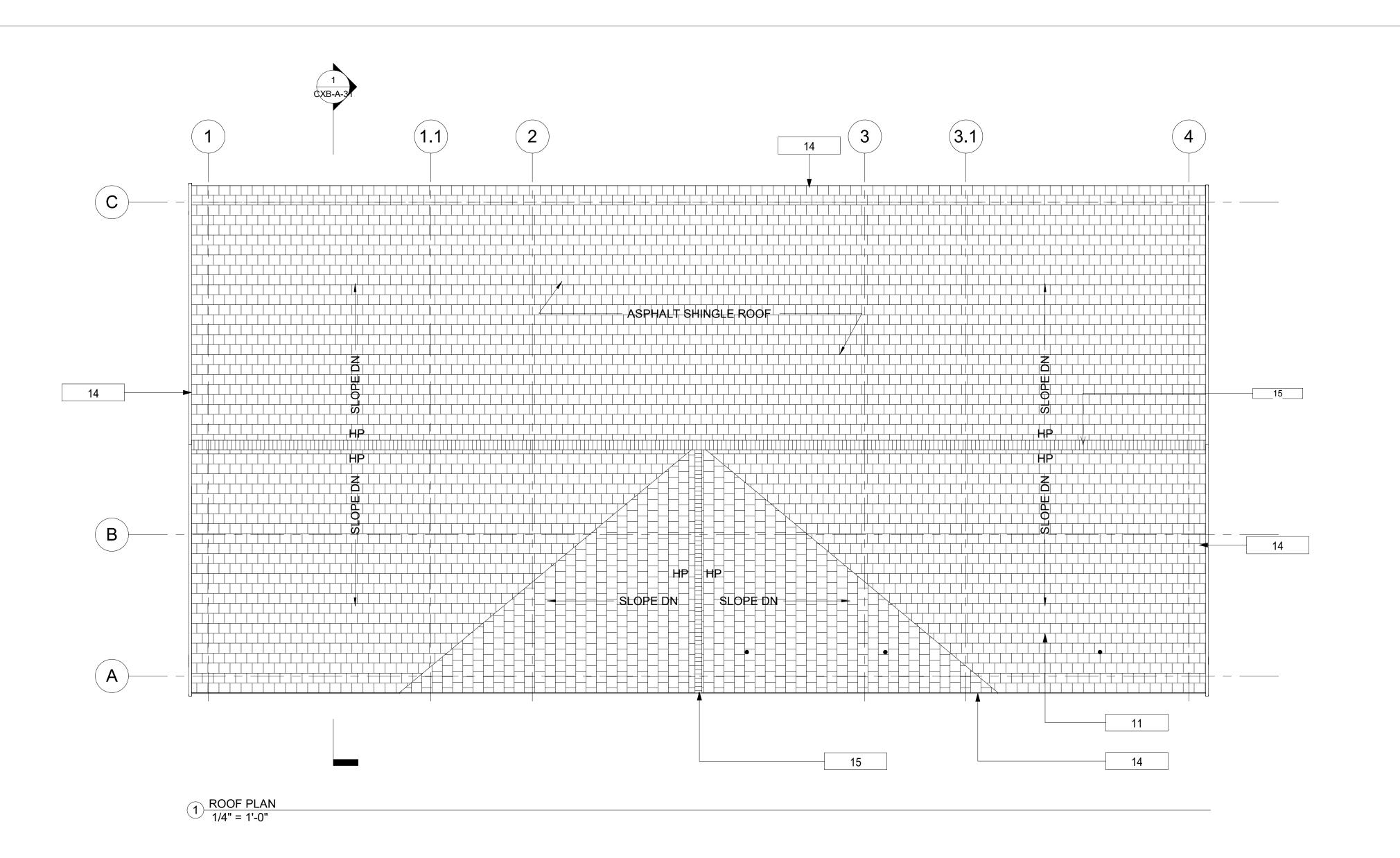
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NUMBER

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#### **ROOF PLAN LEGEND:**

ROOF SHINGLES DIRECTION

**ROOF PITCH** 

#### **CONSTRUCTION KEY NOTES**

Key Value Keynote Text

PROVIDE AND INSTALL NEW ROOFING SHINGLES AND UNDERLAYMENT. PROVIDE AND INSTALL METAL DRIP EDGE AT PERIMETER OF

PROVIDE AND INSTALL RIDGE VENT AT ROOF HIPS.

#### **ROOF PLAN NOTES**

- 1. ICE & WATER SHEILD TO BE APPLIED TO ROOF DECKING AT EAVES, VALLEYS, PENETRATIONS AND AREAS BELOW A 4:12 PITCH.
- 2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ANY ADDITIONAL ROOF PENERATIONS. 3. ROOFING SYSTEM AND ACCESSORIES INSTALLATION AND DETAILS SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ROOFING CONTRACTOR SHALL COMPLY WITH ALL WARRANTY REQUIREMENTS SET FORTH BY

MANUFACTURER. CONTACT ARCHITECT FOR ANY "NON-STANDARD" DETAILS.



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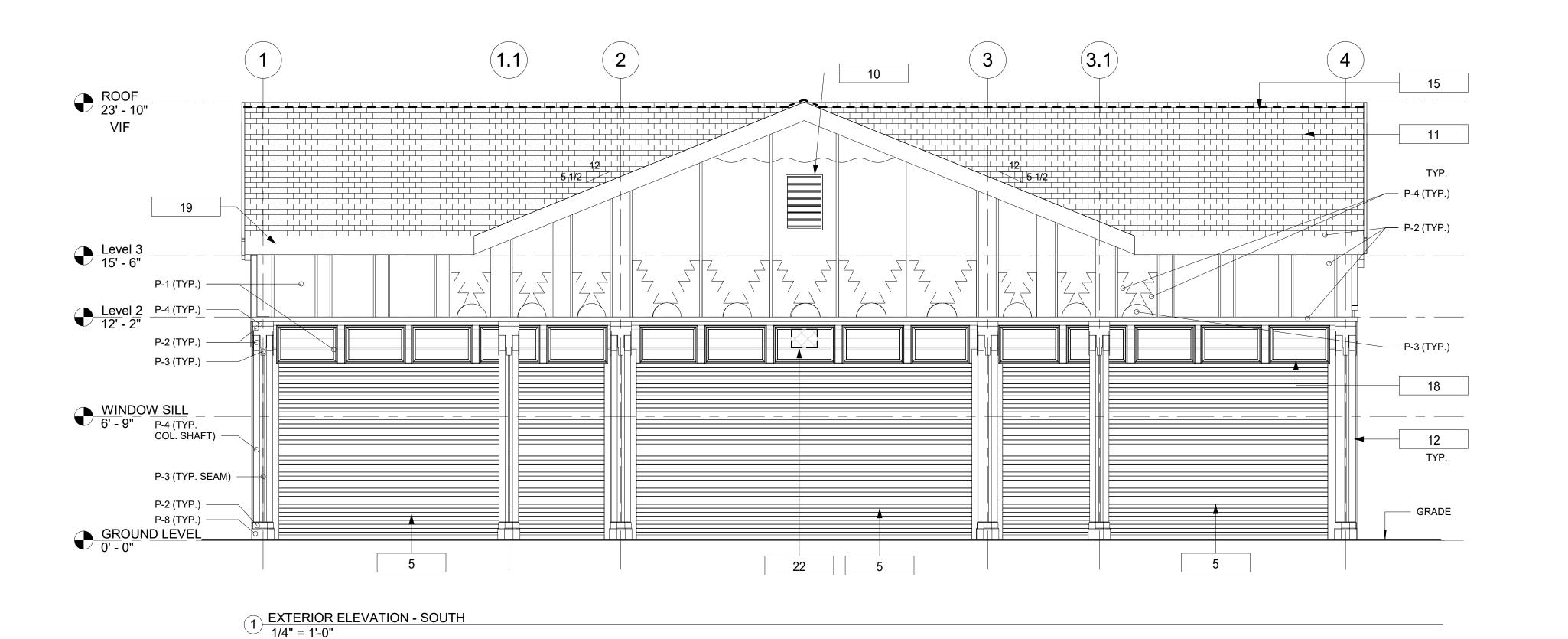
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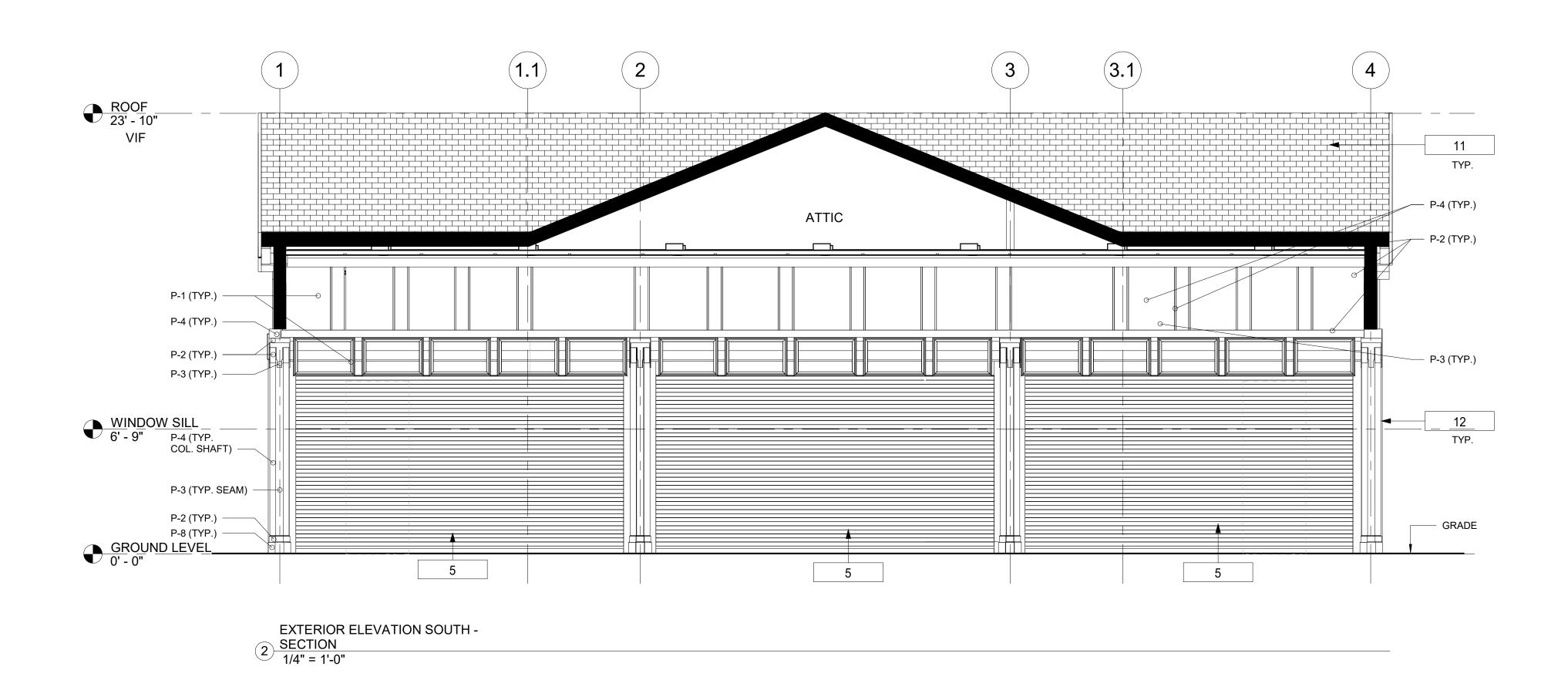
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

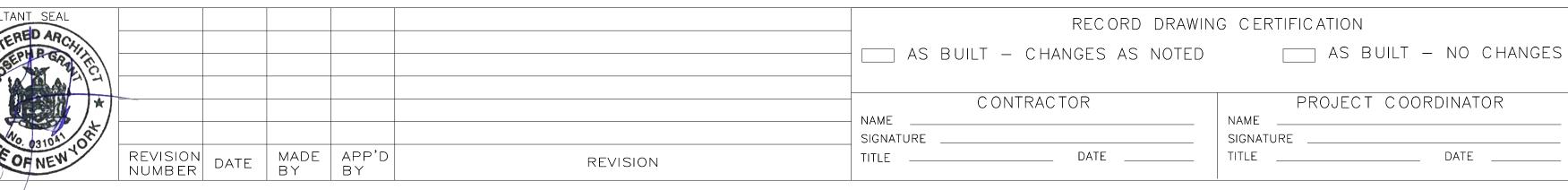
**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **CXB - BUILDING CONVERSION ROOF PLAN AND ROOF DETAILS** 

SHEET NUMBER 20-530 CXB-A-12 DWG NO.: **Page 179 of 288** SCALE: **As indicated** DATE: **May 26, 2021** DPW FILE **1-118-A-566** NUMBER REV. NO.









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

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK
CXB - BUILDING CONVERSION
EXTERIOR ELEVATIONS - SOUTH AND SOUTH SECTION

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J	20-530	CXB-A-21						
	DWG NO.: Page 180 of 288							
	DATE: <b>May 26, 2021</b>							
	DPW FILE 1-118-A-50	67	REV. NO.	0				

#### **CONSTRUCTION LEGEND:**

NEW SIDING AREA

ACM LOCATIONS (SEE ENVIROMENTAL DWGS)

#### **CONSTRUCTION KEY NOTES**

Key Value Keynote Text

5	PROVIDE AND INSTALL NEW ROLL-UP DOOR AND ASSOCIATED HARDWARE.
10	PROVIDE AND INSTALL NEW WOOD LOUVERS.
11	PROVIDE AND INSTALL NEW ROOFING SHINGLES AND UNDERLAYMENT.
12	PROVIDE AND INSTALL NEW COLUMN ENCLOSURE. (SEE DETAILS ON CXB-A-60).
15	PROVIDE AND INSTALL RIDGE VENT AT ROOF HIPS.
18	INSTALL NEW TRIM, FRAME, PANELS AND CASEWORK TO MATCH EXISTING. NEW PAINTED FINISH.
19	PROVIDE AND INSTALL NEW FASCIA AND ROOF SOFFITS, TYP.
22	INSTALL NEW SPEAKER. LOCATION AND MOUNTING REQUIREMENTS TO BE COORDINATED WITH THE AUDIO VENDOR.

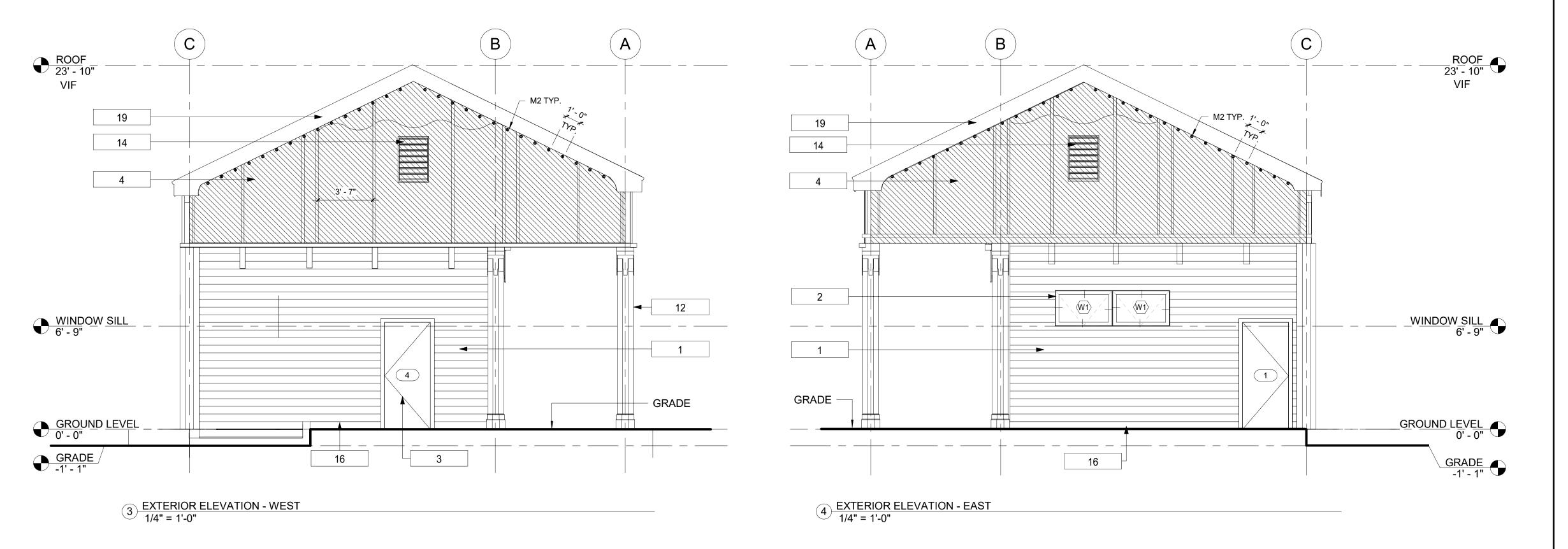
#### **GENERAL CONSTRUCTION NOTES**

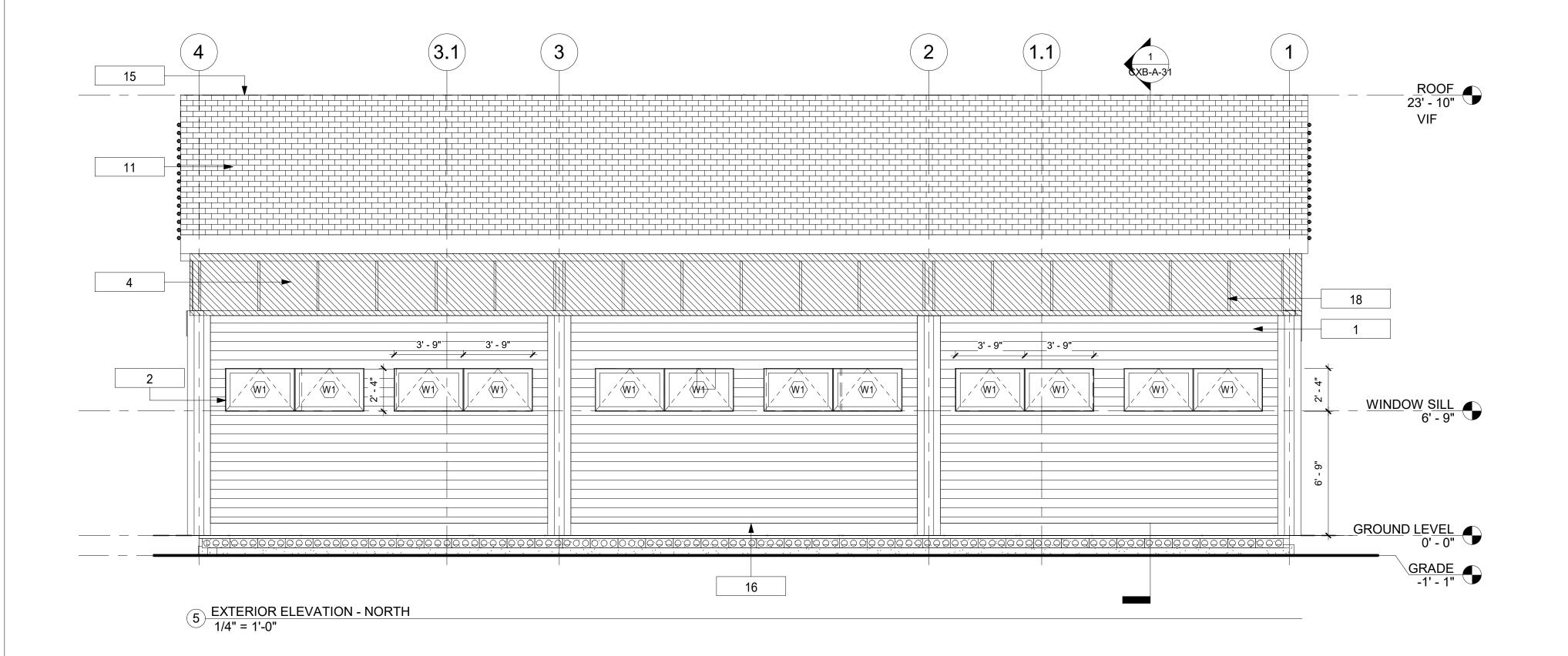
- ARCHITECTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS FOR PROJECT. ALL DISCREPANCIES BETWEEN DRAWINGS MUST BE BROUGHT TO ARCHITECTS ATTENTION PRIOR TO PROCEEDING WITH WORK.
- 2. THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING OF WORK.
- THE CONTRACTOR SHALL VERIFY ALL DIMS FOR LOCATIONS OF NEW PARTITIONS AND DOOR OPENINGS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND RESOLVED PRIOR TO CONSTRUCTION.
- 4. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IN CASE OF DISCREPANCIES AND SEEK CLARIFICATION BEFORE PROCEEDING WITH WORK.
- 5. COORDINATE ALL FIXTURES AND DEVICES WITH MECHANICAL ELECTRICAL PLUMBING, FIRE PROTECTION, POWER/DATA DRAWINGS. ALL CONFLICTS BETWEEN ARCHITECTURAL AND MEP
- DRAWINGS MUST BE BROUGHT TO ARCHITECTS ATTENTION.

  6. IF DURING THE COURSE OF THIS CONTRACT, THE CONTRACTOR DISCOVERS OPENINGS, PIPING CONFLICTS, OR OTHER SITE FACTORS AFFECTING THE INTEGRITY OF EXISTING FIRE STOPPING. THE CONTRACTOR SHALL MAKE REPARATIONS TO RESTORE THE FIRE RATED
- INTEGRITY OF THE COMPRISED.
  7. WHERE EXISTING EQUIPMENT OR CONSTRUCTION IS REMOVED OR ALTERED, ALL REMAINING SURFACES AND FINISHES AFFECTED SHALL BE PATCHED AND FINISHED TO MATCH
- ADJACENT CONSTRUCTION/PRE-EXISTING CONDITION.

  8. ALL INFILLED OPENINGS TO BE FLUSH WITH EXISTING WALL SURFACES, EXTERIOR OF NEW
- AND OLD TO BE FLUSH AND MATCH WITH EXISTING ADJACENT WALL SYSTEM.

  9. THE G.C. SHALL BE RESPONSIBLE FOR COORDINATING WITH OWNER ON ALL WORK TO BE PERFORMED BY THE OWNER. ANY POTENTIAL CONFLICTS OR DELAYS CAUSED BY THE OWNER'S SUBCONTRACTORS MUST BE DOCUMENTED IN WRITING TO THE OWNER BEFORE THE DELAY IS ACTUALLY INCURRED FOR IT TO BE CONSIDERED. OTHERWISE THE G.C. WILL BE RESPONSIBLE FOR MEETING THE SCHEDULE AS OUTLINED IN THE CONTRACT.





#### **CONSTRUCTION LEGEND:**

**NEW SIDING AREA** 

ACM LOCATIONS (SEE ENVIROMENTAL DRAWINGS)

#### **CONSTRUCTION KEY NOTES**

Key Value Keynote Text

AS SCHEDULED.

PROVIDE AND INSTALL NEW TONGUE AND GROOVE WOOD SIDING.
PROVIDE AND INSTALL NEW WINDOWS. REFER TO SHEET CXB-A-62
FOR WINDOW SCHEDULE AND DETAILS.

- PROVIDE AND INSTALL NEW DOORS. REFER TO SHEET CXB-A-61 FOR DOOR SCHEDULE AND DETAILS.
  - PRIOR TO ENVIRONMENTAL REMEDIATION WORK, DOCUMENT EXISTING DECORATIVE TRIM WITH PHOTOGRAPHS AND MEASURED DRAWINGS. EXTERIOR GRADE 3/4 PLYWOOD SHEATHING, AT ALL INDICATED FLAT SURFACES. LOCATE MATERIAL JOINTS TO OCCUR BELOW DOCUMENTED LOCATION OF BATTEN TRIMS. REPLICATE TRIMS TO MATCH LOCATION, SIZE AND SHAPE. FINISH PAINT COLORS
- PROVIDE AND INSTALL NEW ROOFING SHINGLES AND
- UNDERLAYMENT. PROVIDE AND INSTALL NEW COLUMN ENCLOSURE. (SEE DETAILS ON

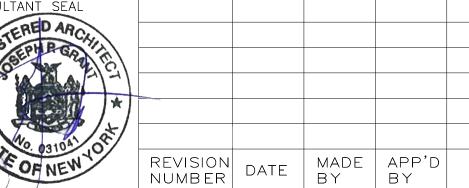
PROVIDE AND INSTALL NEW FASCIA AND ROOF SOFFITS, TYP.

- PROVIDE AND INSTALL METAL DRIP EDGE AT PERIMETER OF ROOF.
- PROVIDE AND INSTALL RIDGE VENT AT ROOF HIPS. PROVIDE AND INSTALL SIDING BASE TRIM AT EXTERIOR PERIMETER.
- INSTALL NEW TRIM, FRAME, PANELS AND CASEWORK TO MATCH
- EXISTING. NEW PAINTED FINISH.

#### **GENERAL CONSTRUCTION NOTES**

- ARCHITECTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS FOR PROJECT. ALL DISCREPANCIES BETWEEN DRAWINGS MUST BE BROUGHT TO ARCHITECTS ATTENTION PRIOR TO PROCEEDING WITH WORK.
- 2. THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING OF
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMS FOR LOCATIONS OF NEW PARTITIONS AND DOOR OPENINGS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND RESOLVED PRIOR TO CONSTRUCTION.
- 4. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IN CASE OF DISCREPANCIES AND SEEK CLARIFICATION BEFORE PROCEEDING WITH WORK.
- 5. COORDINATE ALL FIXTURES AND DEVICES WITH MECHANICAL ELECTRICAL PLUMBING, FIRE PROTECTION, POWER/DATA DRAWINGS. ALL CONFLICTS BETWEEN ARCHITECTURAL AND MEP DRAWINGS MUST BE BROUGHT TO ARCHITECTS ATTENTION.
- 6. IF DURING THE COURSE OF THIS CONTRACT, THE CONTRACTOR DISCOVERS OPENINGS, PIPING CONFLICTS, OR OTHER SITE FACTORS AFFECTING THE INTEGRITY OF EXISTING FIRE STOPPING. THE CONTRACTOR SHALL MAKE REPARATIONS TO RESTORE THE FIRE RATED INTEGRITY OF THE COMPRISED...





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	CONTRACTOR	PROJECT COORDINATOR
	NAME	NAME
	SIGNATURE	SIGNATURE

REVISION

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DATE

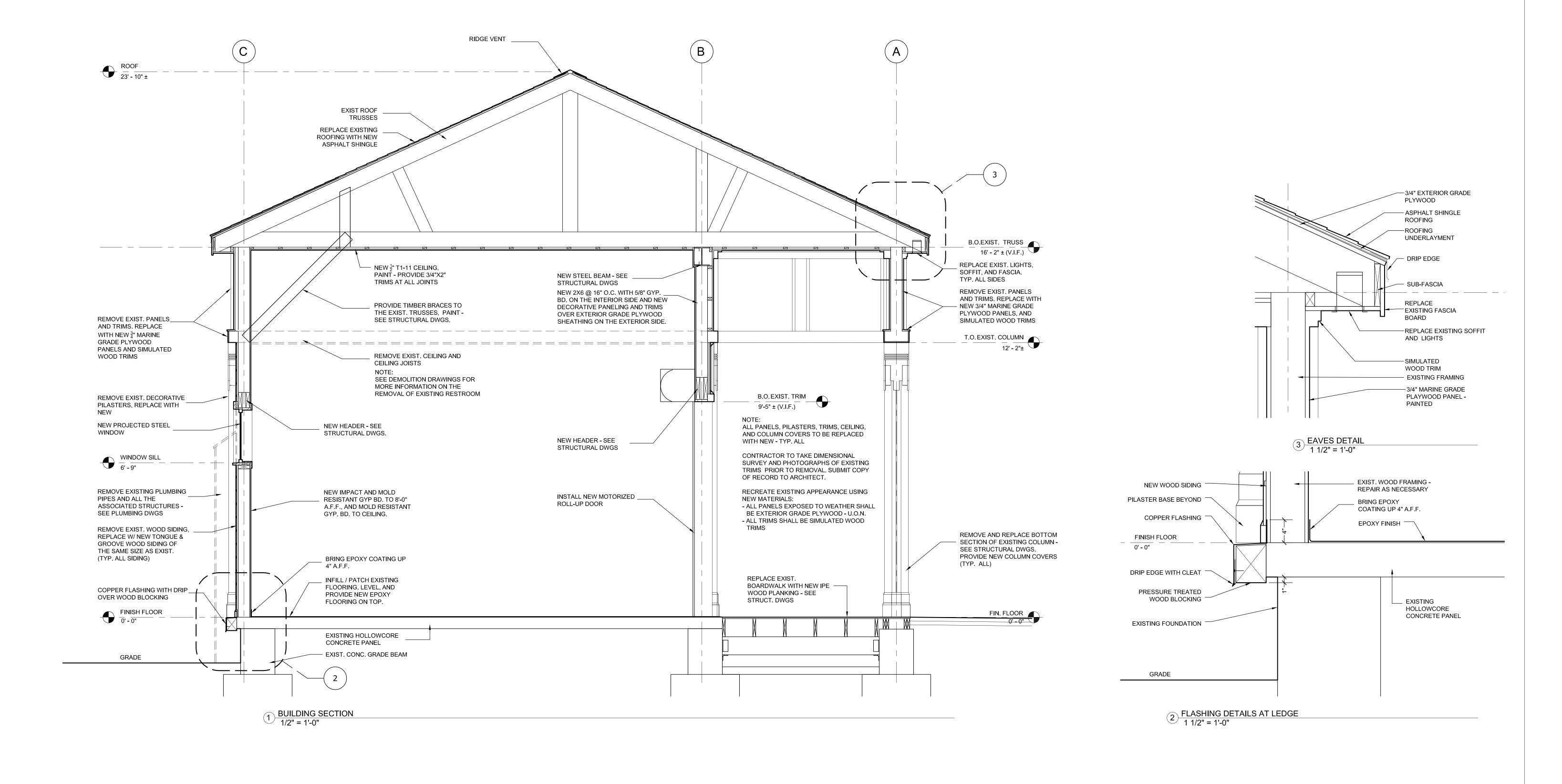
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK CXB - BUILDING CONVERSION **EXTERIOR ELEVATIONS - NORTH, EAST AND WEST** 

\_\_\_\_ DATE \_\_\_\_\_

<u></u>	CONTRACT NUMBER	SHEET NUMB ER					
NC	20-530	CXB-A-	22				
	DWG NO.: Page 181 of 288						
	SCALE: 1/4" = 1'-0	0"					
	DATE: <b>May 26, 2</b> 6	021					
	DPW FILE 1-118-A-50	68	REV. NO.	0			



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CONSULTANT INFORMATION 3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com

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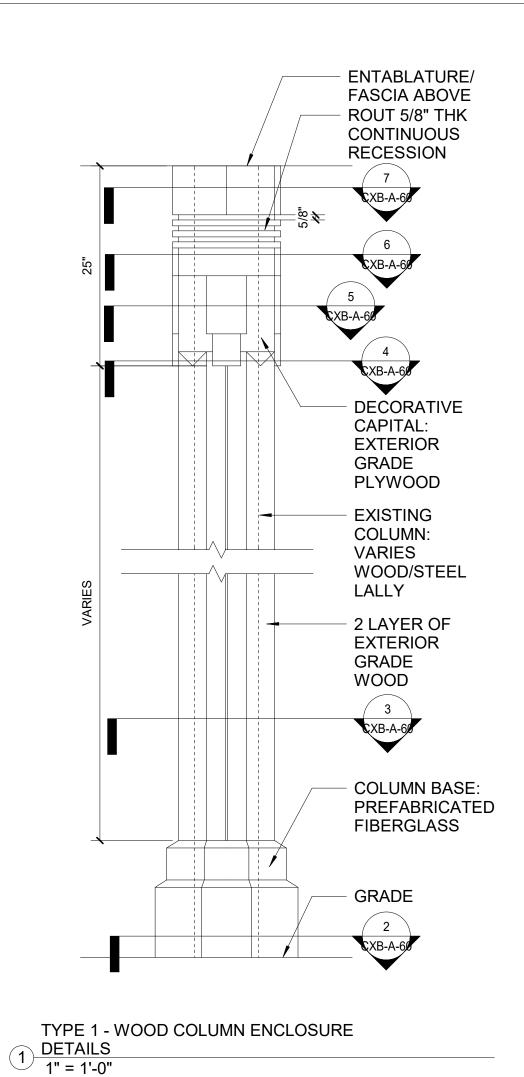
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK

**CXB - BUILDING CONVERSION** 

**BUILDING SECTION** 

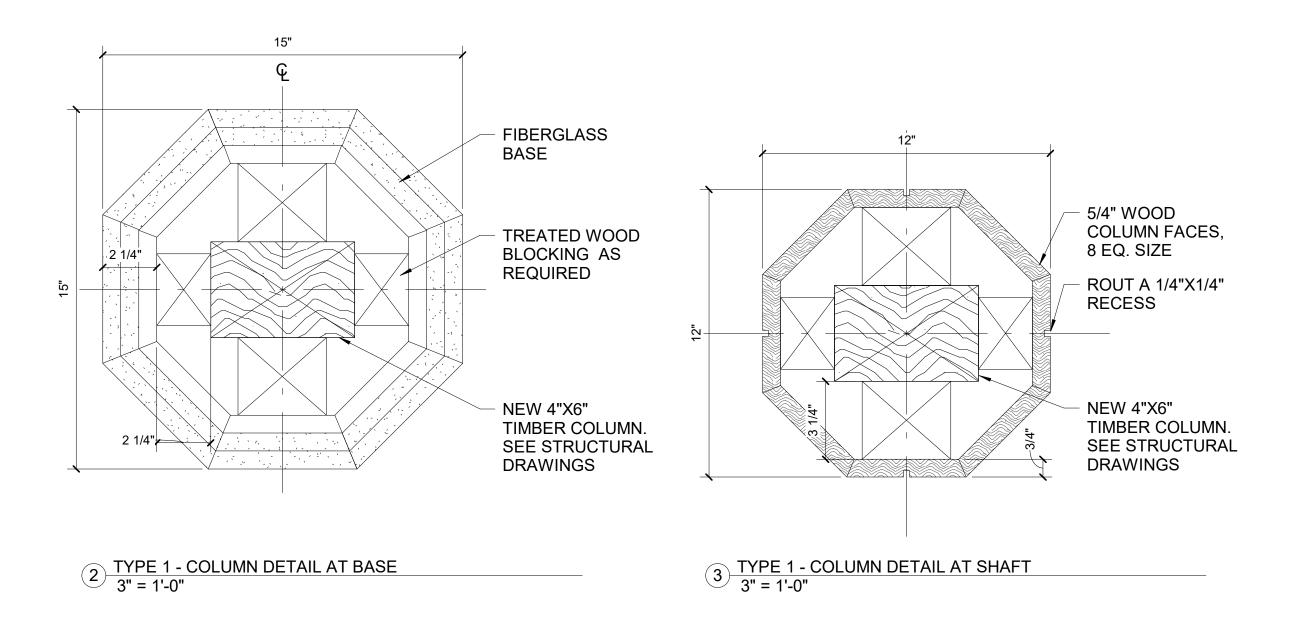
CONTRAC<sup>1</sup> NUMBER SHEET NUMBER 20-530 **CXB-A-31** DWG NO.: **Page 182 of 288** SCALE: **AS INDICATED** DATE: **MAY 26, 2021** DPW FILE **1-118-A-569** REV. 0

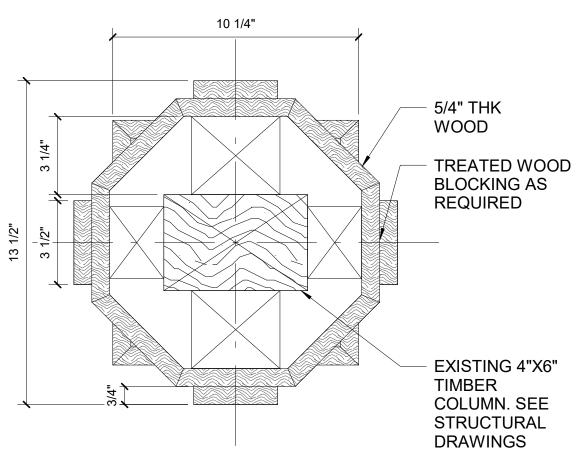
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#### WOOD PRESERVATION NOTES:

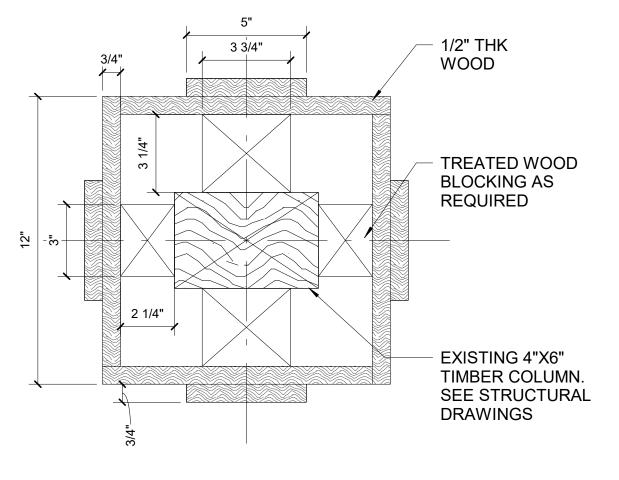
- 1. CONTRACTOR TO INSPECT ALL WOOD SURFACES TO DETERMINE IF REPAIRS, REPLACEMENT, REFINISHING AND OR CLEANING IS REQUIRED.
- 2. PAINT THAT IS FIRMLY ADHERED TO STRUCTURE SHOULD NOT BE REMOVED. IF PAINTING IS REQUIRED, THE DETERIORATED WOOD SHOULD BE HAND SCRAPPING AND SANDED.
- 3. REFER TO ENVIRONMENTAL PACKAGE FOR REMOVALS OF LEAD BASED PAINT. TOXIC MATERIALS SHOULD BE DISPOSED IN ACCORDANCE WITH LOCAL CODES, LAWS AND ANY MUNICIPAL REGULATIONS.
- 4. DETERIORATED WOOD SURFACES THAT CAN NOT BE REPAIRED SHOULD BE REPLACED IN KIND.
- 5. FOR PAINT STYLES SEE FINISH SCHEDULE ON CXB-A-65.



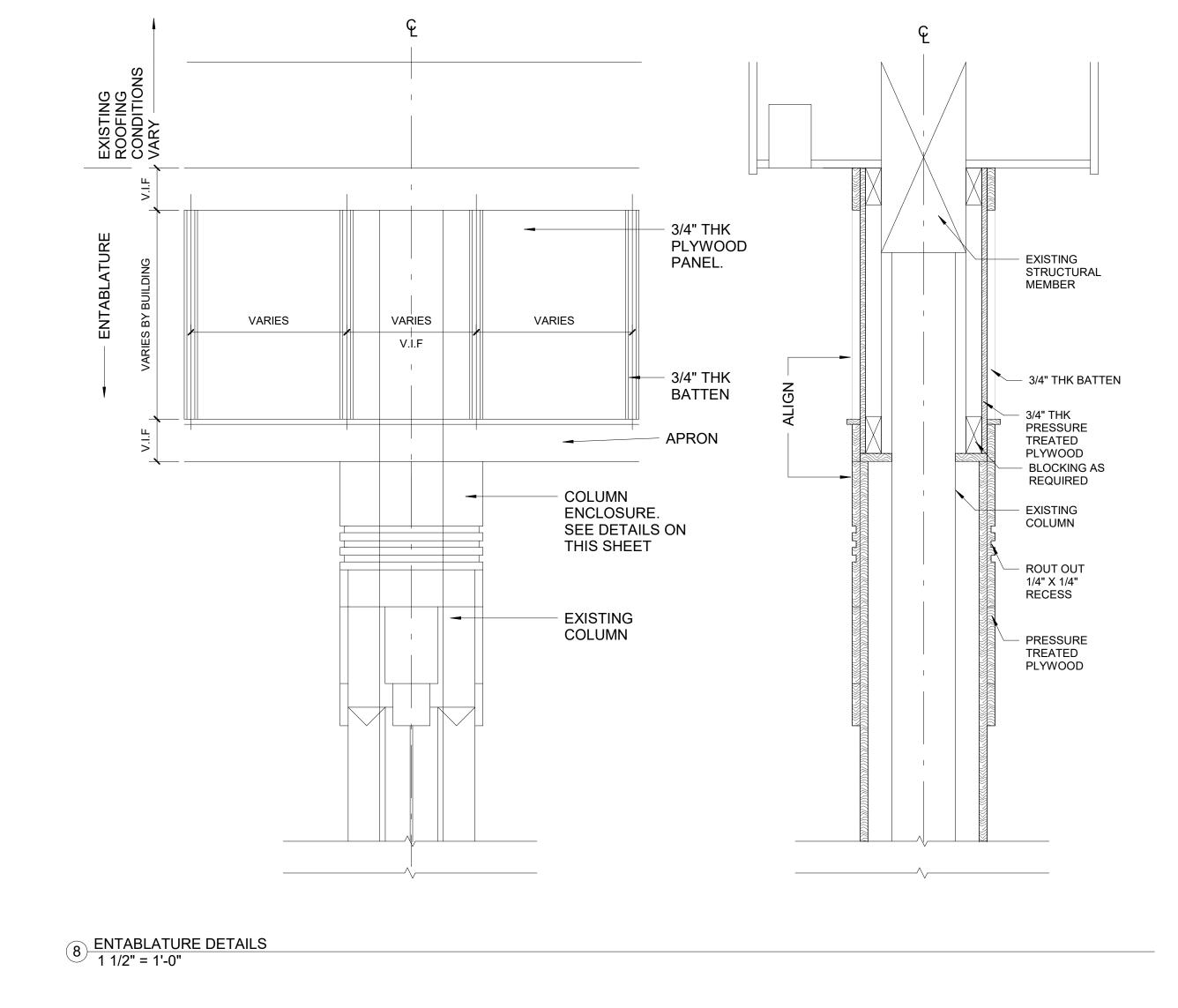


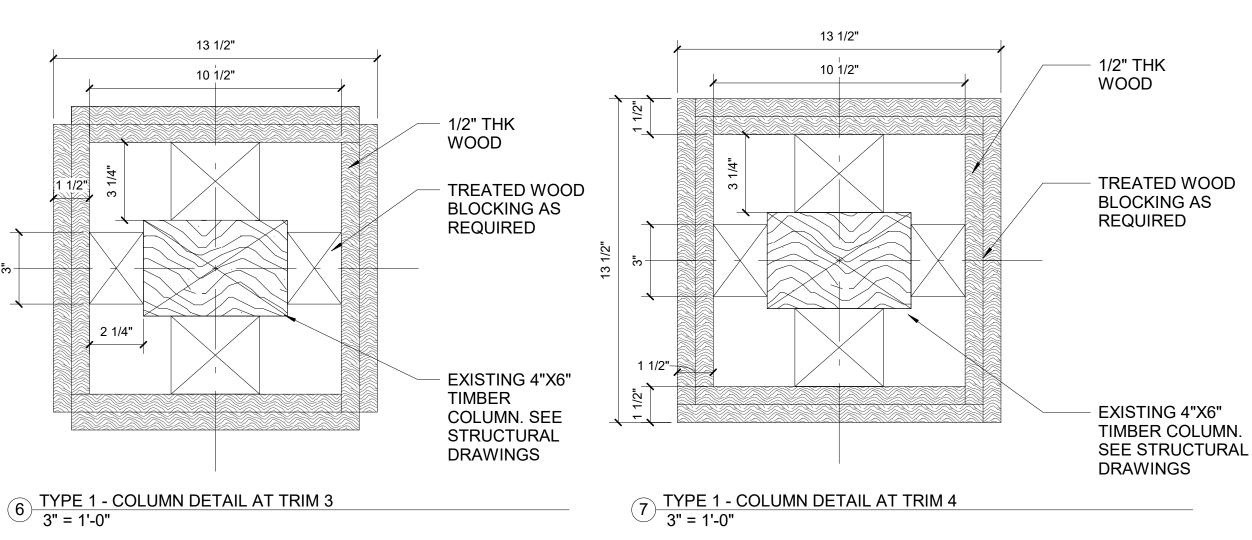


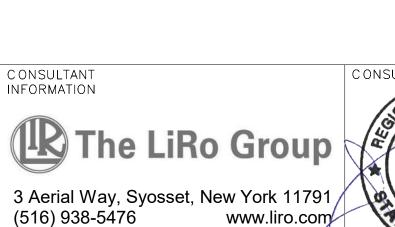
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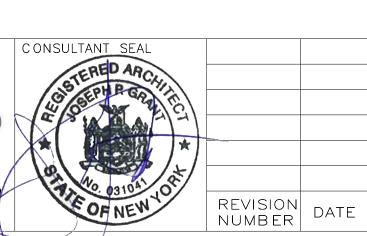












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	CONTRACTOR	PROJECT COORDINATOR
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TITLE

DATE

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

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK

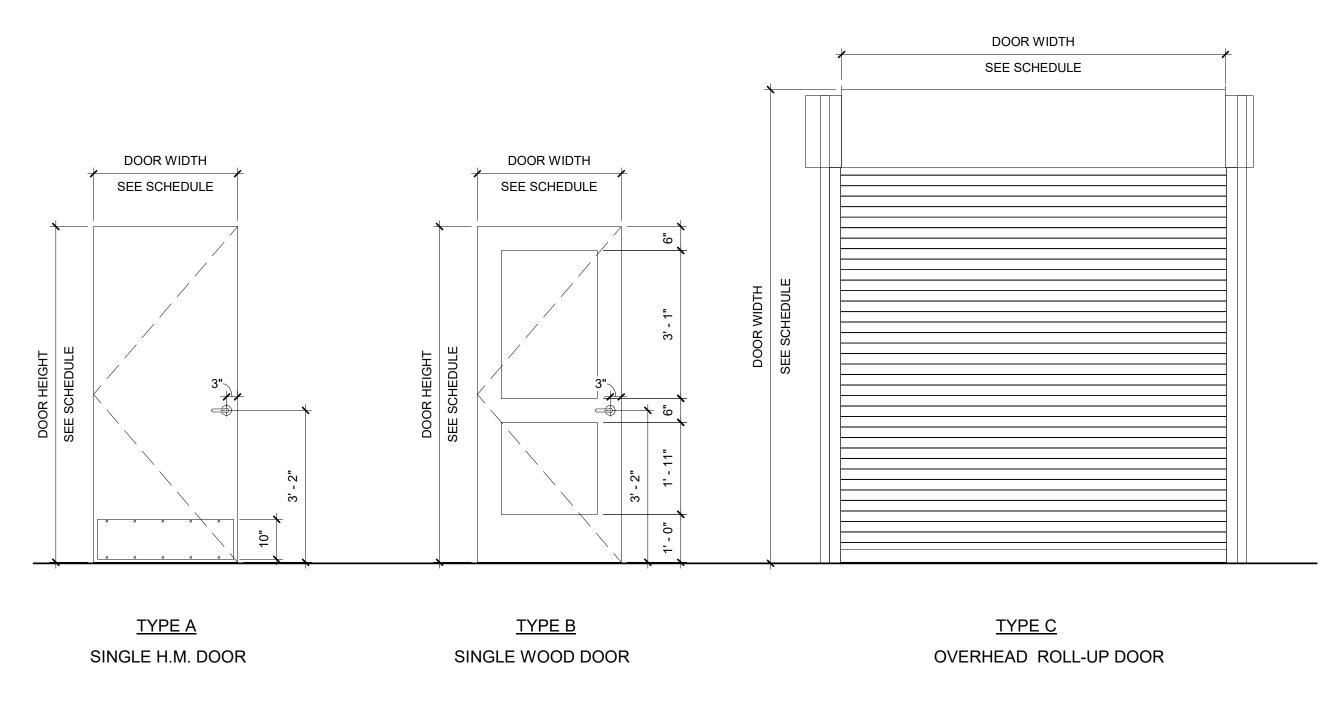
**CXB - BUILDING CONVERSION** 

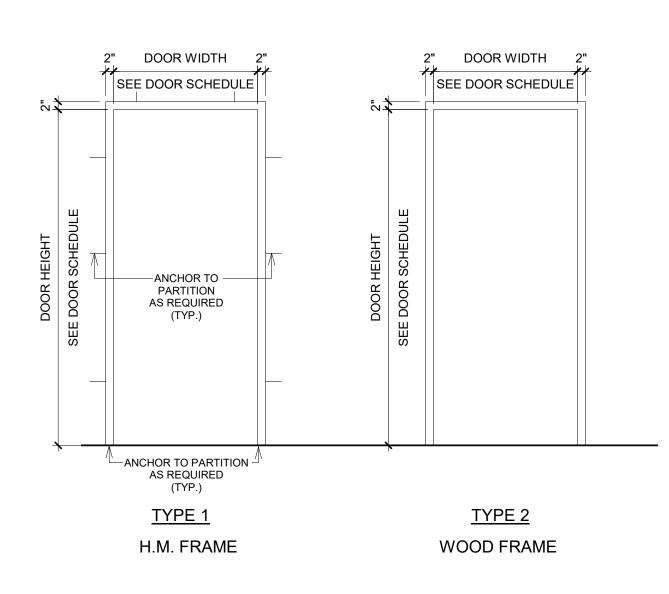
**COLUMN DETAILS** 

K	CONTRACT NUMBER	SHEET NUMBER				
[ON	20-530	CXB-A-	60			
	DWG NO.: Page 18	4 of 288				
	SCALE: As indicat	ted				
	DATE: <b>May 26, 2021</b>					
	DPW FILE 1-118-A-57	71	REV. NO.	0		

	DOOR SCHEDULE													
				DO	OR			DOOR		FRAME	Ξ			
Door Number	Level	DOOR TYPE	WIDTH	HEIGHT	DOOR THICKNESS	DOOR MATERIAL	GLASS	EXTERIOR/ INTERIOR FINISH	FRAME	MATERIAL	EXTERIOR/ INTERIOR FINISH	HDWR SET		
1	GROUND LEVEL	Α	3' - 0"	7' - 0"	1 3/4"	WOOD	-	PAINTED	1	WD.	PAINT, TBD	11.0		
2	GROUND LEVEL	В	3' - 0"	7' - 0"	1 3/4"	H.M.	-	PAINTED	2	H.M.	PAINT, TBD	4.0		
3	GROUND LEVEL	В	3' - 0"	7' - 0"	1 3/4"	H.M.	-	PAINTED	2	H.M.	PAINT, TBD	6.0		
4	GROUND LEVEL	Α	3' - 0"	7' - 0"	1 3/4"	WOOD	-	PAINTED	1	WD.	PAINT, TBD	11.0		
5	GROUND LEVEL	С	18' - 6 1/16"	10' - 5"			-						HARDWARE BY DOOR MANUFACTURER.	
6	GROUND LEVEL	С	18' - 11 31/32"	10' - 5"			-						HARDWARE BY DOOR MANUFACTURER.	
7	GROUND LEVEL	С	18' - 5 11/16"	10' - 5"			-						HARDWARE BY DOOR MANUFACTURER.	

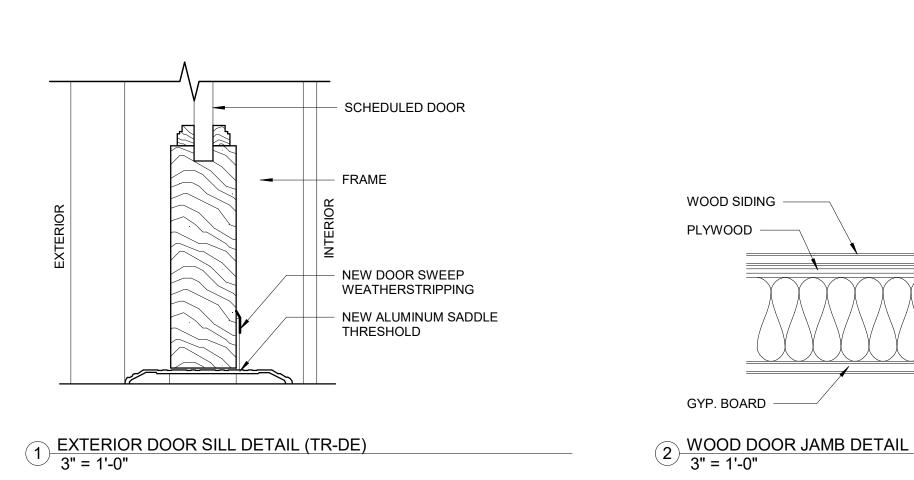
NOTE: GC TO CONFIRM DOOR SIZES IN FIELD PRIOR TO ORDERING

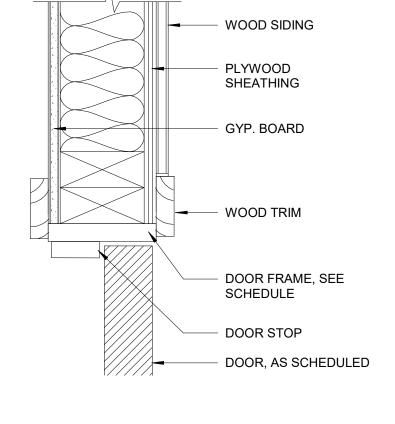


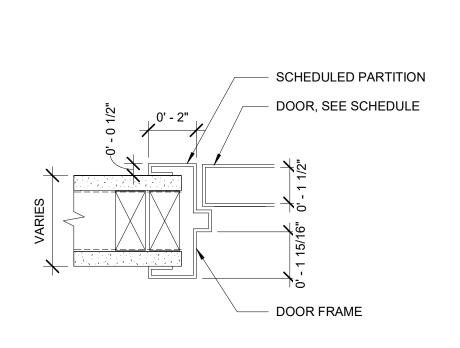


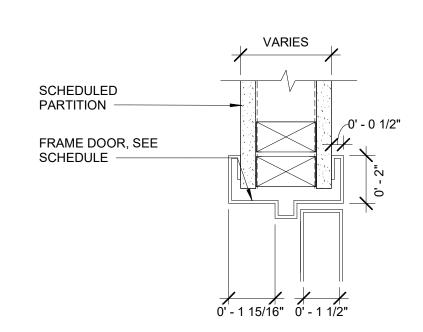
DOOR TYPES DOOR FRAME TYPES

DOOR, AS SCHEDULED -









**GENERAL DOOR SCHEDULE NOTES:** 

PRIOR TO PURCHASE.

ARE ALLOWED.

1. REFER TO CXB-A-61 SHEET FOR DOOR SILL & TRANSITION DETAILS. SILL TRANSITION

SPECIFICATIONS AND FURNISH PROPER HARDWARE FOR ALL OPENINGS WHETHER LISTED OR NOT. COMPLETE SHOP DRAWINGS SHALL BE PROVIDED FOR APPROVAL

ALL EXIT DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
 VERIFY DIMENSIONS OF EXISTING OPENINGS AND DOORS BEFORE ORDERING.
 THE CONTRACTOR SHALL COORDINATE & VERIFY LOCATION OF RECESSED FLOOR CLOSERS, PIVOTS, ETC. WITH EXISTING FLOOR SLABS AND OTHER FIELD

CONDITIONS PRIOR TO ORDERING TO ENSURE PROPER CLEARANCES & DEPTHS

INFORMATION IS INDICATED ON FINISH PLAN UNLESS OTHERWISE NOTED.

REFER TO SHEET CXB-A-65 FOR FINISH SCHEDULE AND LEGEND.
 THE CONTRACTOR SHALL EXAMINE THE DRAWINGS, SCHEDULE AND

3 WOOD DOOR HEAD DETAIL
3" = 1'-0"

4 H.M. DOOR FRAME - JAMB DETAIL TYP 3" = 1'-0"

5 H.M. DOOR FRAME - HEAD DETAIL TYP 3" = 1'-0"

CONSULTANT	CON
INFORMATION	
The LiRo Group	
3 Aerial Way, Syosset, New York 11791 /	
(516) 938-5476 www.liro.com	

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CONTRACTOR	PROJECT COORDINATOR
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SIGNATURE	SIGNATURE

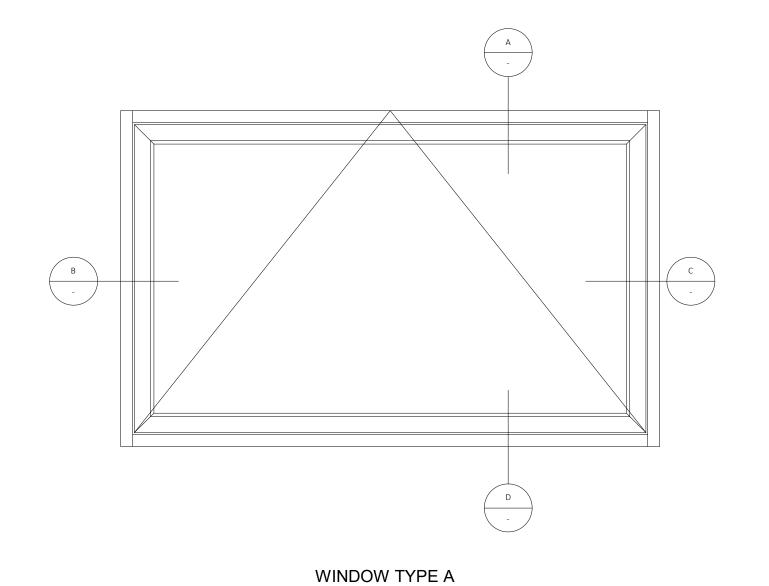
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
INFRASTRUCTURE REHABILITATION - PHASE 2

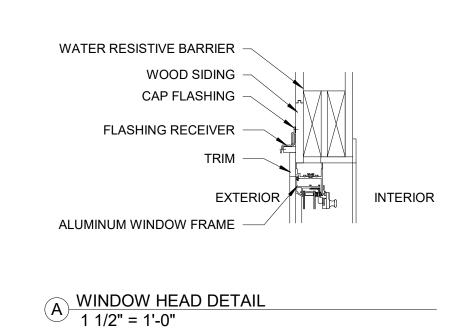
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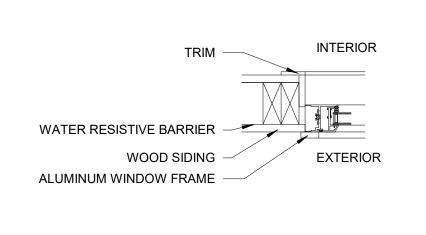
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N	20-530	CXB-A-61						
	DWG NO.: Page 185 of 288							
	SCALE: As indica	ted						
	DATE: <b>May 26, 2</b>	021						
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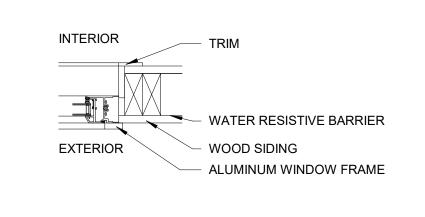
WINDOW SO	CHEDUL	-E									
WINDOW TAG	TYPE	NO. OF WINDOWS	INT./EXT.	MATERIAL	HEIGHT	WIDTH	HEAD	JAMB	SILL	SILL HT.	REMARKS
WINDOW IAG		WINDOWO	IIVI./LXI.	MAILINAL	TILIOTTI	VVIDITI	TILAD	UAIVID	OILL	OILL III.	KEWAKKO
W1	Α	14	EXTERIOR	STEEL	0' - 0"	0' - 0"	Α	В	D	6' - 9"	

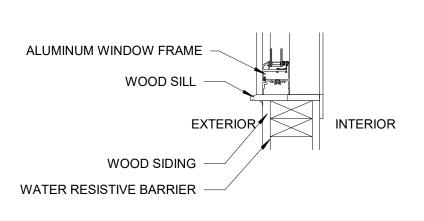






B WINDOW JAMB DETAIL
1 1/2" = 1'-0"





C WINDOW JAMB DETAIL 2
1 1/2" = 1'-0"

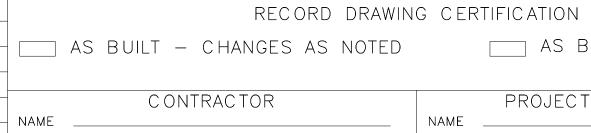


WINDOW TYPES





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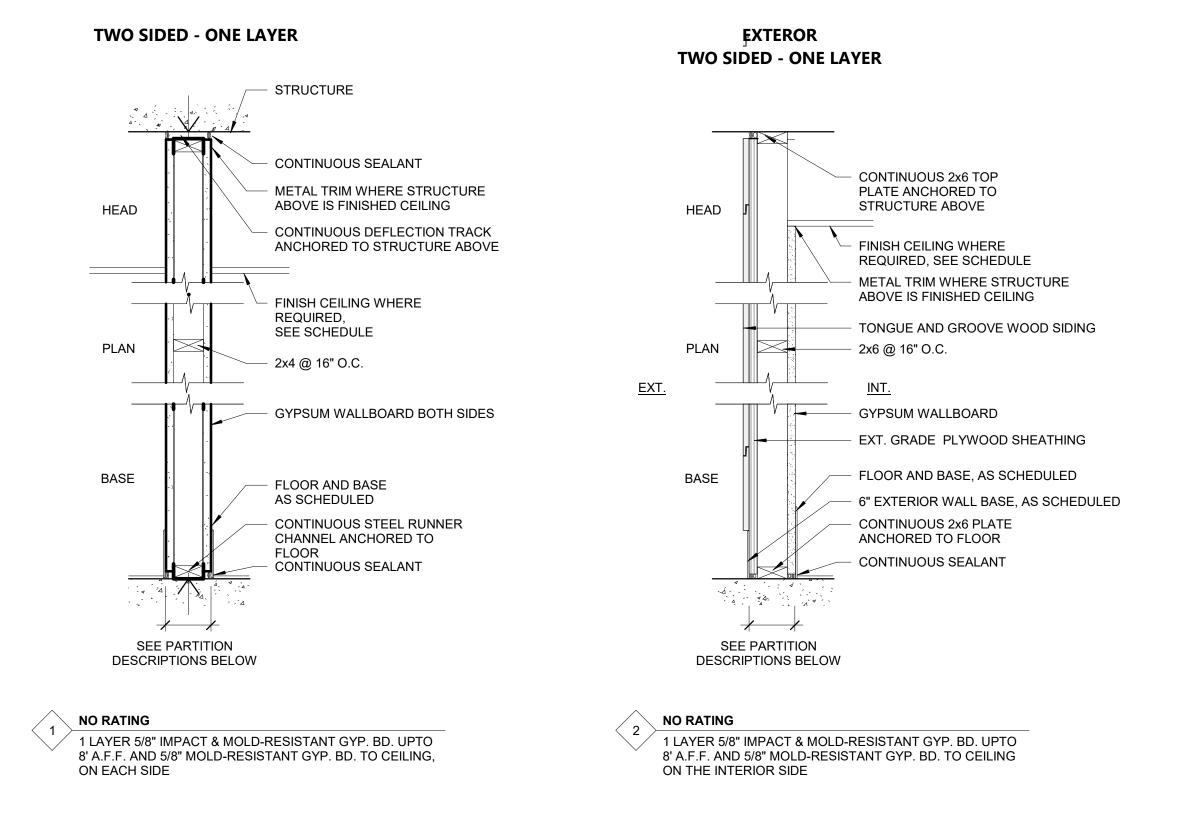
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK

CXB - BUILDING CONVERSION

WINDOW SHEDULE AND DETAILS

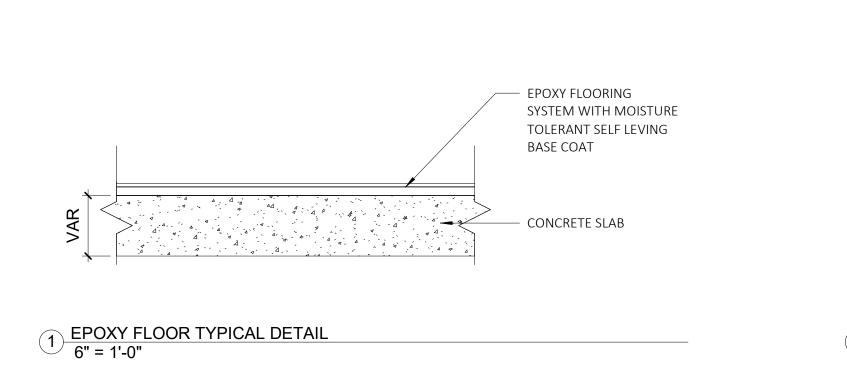
CONTRACT NUMBER SHEET NUMB ER CXB-A-62 DWG NO.: **Page 186 of 288** SCALE: 1 1/2" = 1'-0" DATE: **May 26, 2021** DPW FILE 1-118-A-573 REV. 0

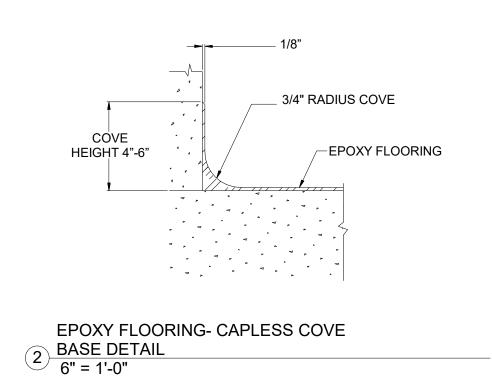


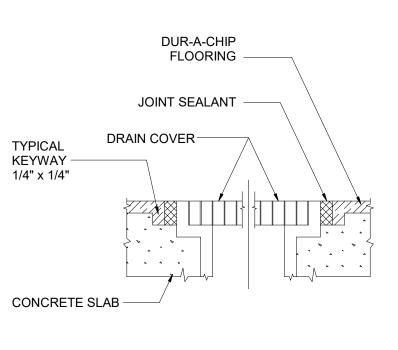
#### NOTES:

- 1. SEE SPECIFICATIONS FOR TYPICAL METAL STUD GAUGES AND SPACING. PROVIDE MINIMUM GAUGES BASED ON SPAN AS FOLLOWS: TYPICAL PARTITION - DEFLECTION L/240; LOAD 5 PSF SHAFT WALLS - DEFLECTION L/240; LOAD 7.5 PSF
  - PARTTION WITH GLASS, TILE, SIM. DEFLECTIOM L/360; LOAD 5 PSF
- 2. SEE SPECIFICATIONS FOR GYPSUM BOARD AND OTHER WALL BOARD TYPES, APPLICATIONS AND THICKNESSES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- 3. REFER TO THE LATEST EDITION OF UNDERWRITERS LABORATORIES INC. FIRE RESISTANCE DIRECTORY FOR ADDITIONAL REQUIREMENTS ON UL RATED ASSEMBLIES AS NOTED IN THE PARTITION DESCRIPTIONS. WHERE UL# IS NOTED USE UL IN LIEU OF CHART ABOVE.
- 4. SOUND RATED PARTITIONS TYPES: WALL TYPE DESIGNATIONS INDICATED WITH AN "S" ARE SOUND RATED AND REQUIRE SAFB (SOUND ATTENUATION FIRE BATT/BLANKET INSULATION) AND ACOUSTICAL SEALANT.

PARTITION TYPES







**EPOXY FLOORING- CHANNEL DRAIN** 3 DETAIL 6" = 1'-0"

TITLE \_\_\_\_\_ DATE \_\_\_\_\_





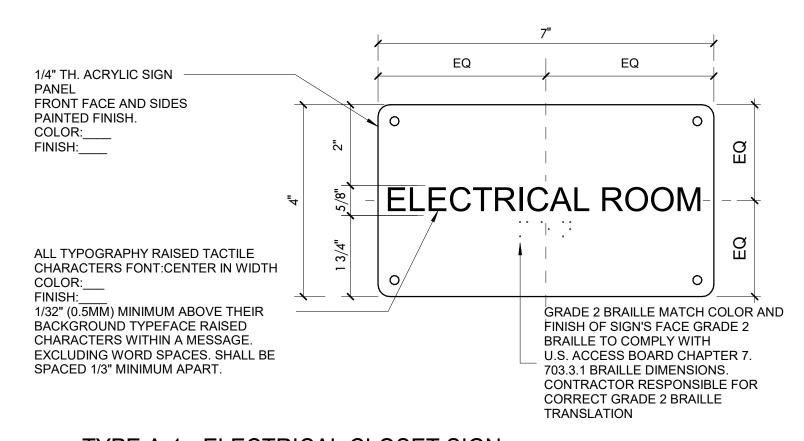
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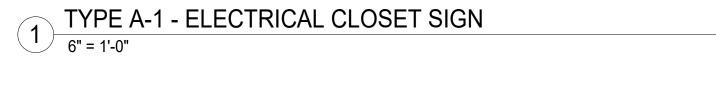


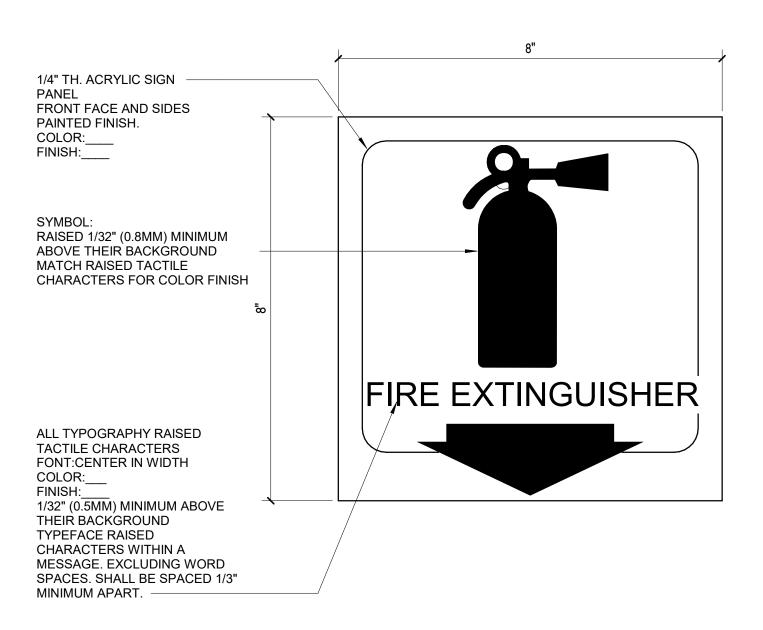
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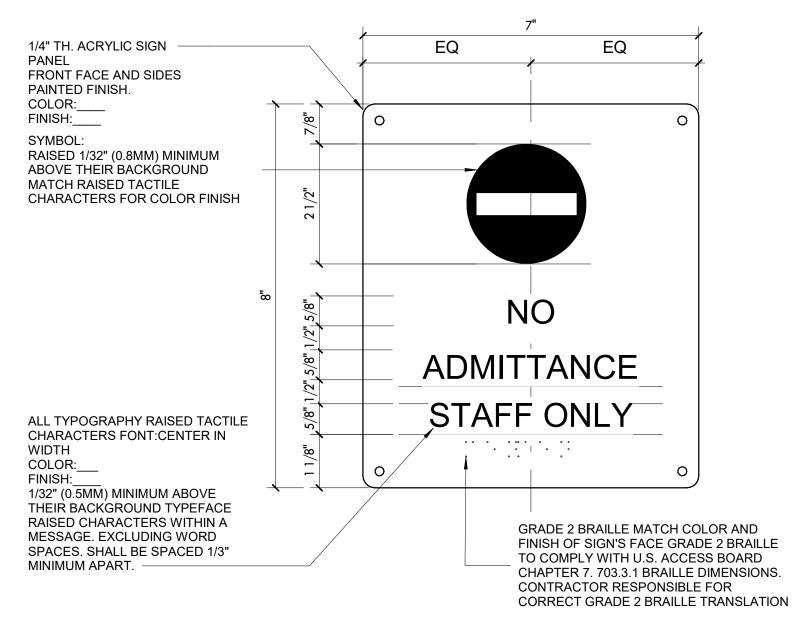
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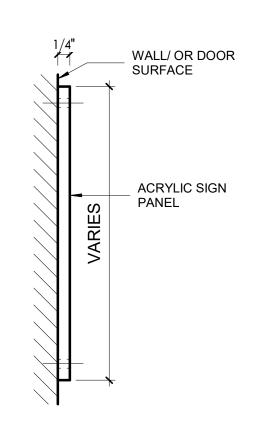


TYPE X-1 - FIRE EXTINGUISHER SIGN
6" = 1'-0"

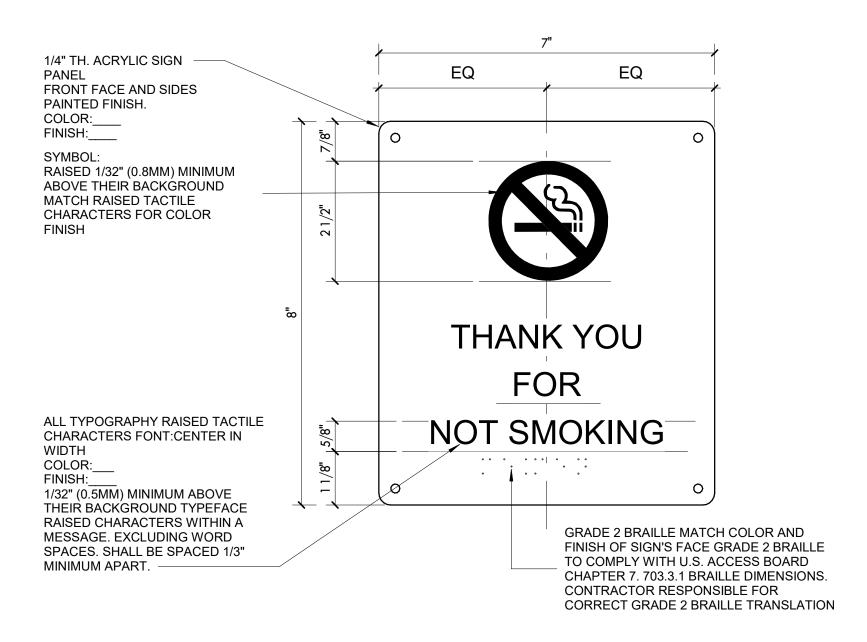


TYPE X-2 - STAFF ONLY (RESTRICTION)

5 SIGN 6" = 1'-0"



## 3 TYPICAL SIDE ELEVATION OF SIGNAGE 6" = 1'-0"



6 TYPE X-3 - SMOKING PREVENTION SIGN
6" = 1'-0"





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RECORD DRAWING CERTIFICATION

SIGNATURE \_\_\_\_\_

\_\_\_\_ AS BUILT - NO CHANGES PROJECT COORDINATOR NAME

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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

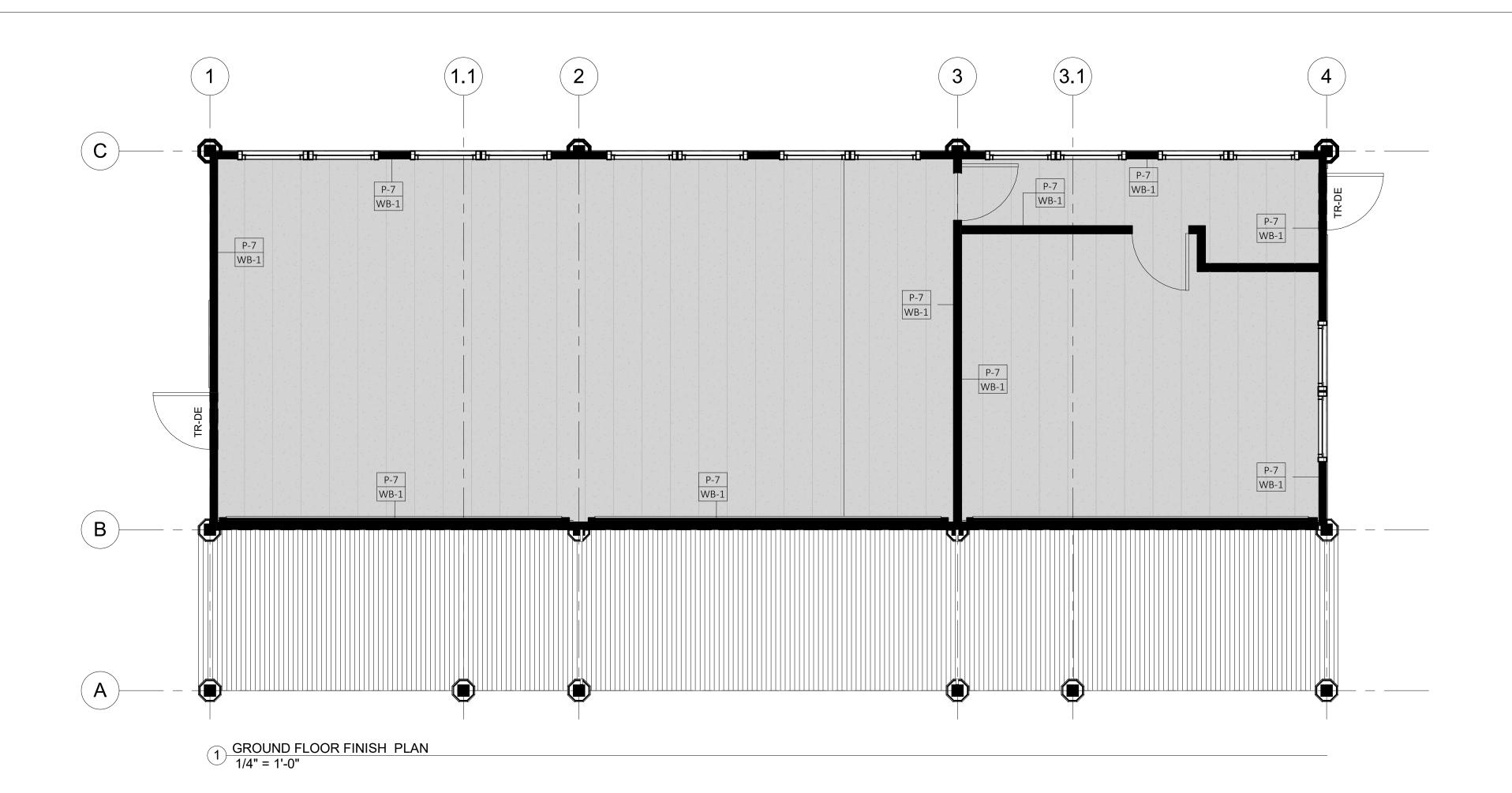
PLAYLAND PARK, RYE, NEW YORK

CXB - BUILDING CONVERSION

SIGNAGE DETAILS

SHEET NUMBER CONTRACT NUMBER 20-530 CXB-A-64 DWG NO.: **Page 188 of 288** SCALE: **6" = 1'-0"** DATE: **May 26, 2021** 

**INFRASTRUCTURE REHABILITATION - PHASE 2** 



FINISH SCHEDULE					
ROOM #	FLOORS	WALLS	CEILING	DOORS AND TRIM	WALL BASE
101	EP-1	PAINT, TBD	PAINT, TBD	TBD	WB-1
102	EP-1	PAINT, TBD	PAINT, TBD	TBD	WB-1
103	EP-1	PAINT, TBD	PAINT, TBD	TBD	WB-1

PAINT S	FOR PAINT TYPE AND SYSTEMS, SEE SPECIFICATION	CEILING FINISH SCHEDULE FOR CEILING DETAILS, SEE CXB-A-61
P-1	TBD	RCT 24"X48" LAY IN- MFR: TBD- MODEL: TBD- COLOR: WHITE REMARKS: MUST BE USDA APPROVED FOR RESTAURANTS & KITCHENS
P-2	TBD	
P-3	TBD	
P-4	TBD	WALL BASE SCHEDULE FOR DETAILS OF WALL BASE, SEE CXB-A-61
P-5	TBD	WB-1 EPOXY COVE BASE - MFR: DURAFLEX - MODEL: MACRO CHIP COLOR BLEND- COLOR: PEWTER
P-6	TBD	
P-7	TBD	<b>EPOXY SCHEDULE</b> FOR DETAILS OF EPOXY FLOORING DETAILS, SEE CXB-A-61
P-8	TBD	EP-1 MFR: DURAFLEX- MODEL: MACRO CHIP COLOR BLEND- COLOR: PEWTER

REVISION

#### **NOTES:**

ALL FINISHES TO BE APPROVED BY ARCHITECT.
 PRODUCT/MANUFACTURER SELECTION BY
 CONTRACTOR BASED ON THE PERFORMANCE AND
 REQUIREMENTS STATED IN THE SPECIFICATIONS.

MADE APP'D BY BY

REVISION NUMBER DATE

**THRESHOLD** SEE CXB-A-63 FOR DETAILS

TR-DE EXTERIOR DOOR SILL

FINISH SCHEDULE



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RECORD DRAWING CERTIFICATION

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CONTRACTOR PROJECT

SIGNATURE

AS BUILT — NO CHANGES

DATE \_\_\_\_\_

PROJECT COORDINATOR

NAME

SIGNATURE

DATE

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

CXB - BUILDING CONVERSION

FINISH PLAN AND FINISH SCHEDULE

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK

CONTRACT SHEET NUMBER

20-530 CXB-A-65

DWG NO.: Page 189 of 288

SCALE: As indicated

DATE: May 26, 2021

REV. NO.

DPW FILE **1-118-A-576** NUMBER

FINISH LEGEND:

ITEMS NOT IN CONTRACT

EP-1 EPOXY FLOORING

TIMBER WOOD DECKING

XX-X INDICATES WALL FINISH
INDICATES WALL BASE MATERIAL

#### **FINISH PLAN NOTES:**

- 1. INDICATES TYPICAL FINISHES WITHIN ROOM, U.O.N. SEE SHEET CXB-A-65 FOR MATERIAL AND COLOR SCHEDULE.
- 2. ALL FLOORING COVERING MATERIALS TO BE INSTALLED PER MANUFACTURER'S STANDARD
- DETAILS AND SPECIFICATIONS. VERIFY WITH MANUFACTURER PRIOR INSTALLATION.

  3. THE G.C. IS RESPONSIBLE FOR PROVIDING A SMOOTH LEVEL FLOOR SURFACE THAT MEETS MANUFACTURERS INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF ALL FLOORING
- 4. THE FLOORING SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CONDITION OF THE BASE FLOOR MEETS THE INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE NEW FLOORING MATERIAL.
- ALL MATERIAL TRANSITIONS AN DOOR THRESHOLDS TO TAKE PLACE AT DOOR CENTERLINE U.N.O.
   ALL DIMENSIONS ARE TO CENTERLINE OF TRANSITION BETWEEN FLOORING MATERIALS OR FINISH COLOR OF SAME MATERIAL. PLANS DO NOT SHOW ALL TILES OF SAME MATERIALS. CONTRACTOR
- TO START TILES AT POINT AS INDICATED ON PLANS.

  7. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PREPARATION OF ALL NEW AND EXISTING SURFACES IN A SATISFACTORY MANNER TO RECEIVE NEW FINISHES. THIS INCLUDES THE DEMOLITION AND REMOVAL OF NECESSARY ITEMS. TOUCH- UP AND/ OR REFINISH OF SURFACES DAMAGED BY SUBSEQUENT WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS.
- 8. ALL SURFACES WHICH ARE TO RECEIVE A PAINT FINISH SHALL BE PRIMED AND FINISHED IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS.
- 9. ALL JOINTS IN GYPSUM BOARD WALLS SHALL BE FINISHED WITH PAPER TAPE 2" WIDE AND THREE COATS OF VINYL, DRY OR PREMIXED JOINT COMPOUND. ALL OUTSIDE CORNERS SHALL BE FINISHED WITH METAL CORNER BEADS, TAPED AND SPACKLED. ALL AREAS TO BE PAINTED SHALL BE SANDED SMOOTH. JUST PRIOR TO THE APPLICATION OF THE FIRST COAT OF PAINT, WIPE SANDED SURFACES WITH A DAMP CLOTH IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING.
- 10. THE PAINT CONTRACTOR SHALL REMOVE ALL HARDWARE, SWITCH COVERS, ETC. PRIOR TO PAINTING AND BE RESPONSIBLE FOR THE REINSTALLATION AFTER PAINTING IS COMPLETED.11. FINISH FLOORING INSTALLATION SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S
- RECOMMENDED INSTALLATION SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES. COORDINATE THE INSTALLATION WITH OTHER TRADES, SUCH AS ELECTRICAL.
- 12. ALL JOINTS BETWEEN MATERIALS TO BE TIGHT AND CONSTRUCTED IN A NEAT WORKMANLIKE MANNER.
- 13. ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION. FIXTURE CONTRACTOR SHALL PROVIDE TO THE GENERAL CONTRACTOR ALL MATERIALS FOR TOUCH UP WORK.
- 14. THE INTENT OF THE FINISH SPECIFICATIONS IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THE WORK. COVER ALL SURFACES THOROUGHLY. IF THE SPECIFIED NUMBER OF COATS DOES NOT ACCOMPLISH THE INTENT, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPLICATION OF ADDITIONAL COATS OF THE SPECIFIED MATERIAL TO GIVE SATISFACTORY COVERAGE, AT NO ADDITIONAL COST TO OWNER.
- 15. CLEAN ALL GLASS SURFACES WITH LIQUID GLASS CLEANER AT PROJECT COMPLETION.
  16. REFERENCE SPECIFICATIONS FOR COMPLETE FINISH DOCUMENTATION AND MANUFACTURER INSTALLATION AND MAINTENANCE DOCUMENTATION.

#### <u>GENERAL</u>

- THESE NOTES ARE GENERAL AND SUPPLEMENTAL TO THE G-1 SPECIFICATIONS. THESE NOTES APPLY TO THE ENTIRE PROJECT UNLESS MODIFIED OR NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
- G-2 STANDARD DETAILS, SHOWN ON DRAWING D-S-501 SHALL BE USED WHEN REFERRED TO OR WHEN NO MORE RESTRICTIVE OR DIFFERENT DETAILS ARE SHOWN ON THE
- DESIGN WAS IN ACCORDANCE WITH AND CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE NEW YORK STATE BUILDING CODE (NYSBC). THE DESIGN LOADS AND OTHER DESIGN VALUES GIVEN BELOW WERE USED FOR DESIGN OF STRUCTURES UON ON THE DRAWINGS.
- G-4 DESIGN LOADS FOR NEW ELEMENTS:

ROOF:

LIVE LOADS: CXB BUILDING CONVERSION: FLOOR: EXTERIOR BOARDWALK:

50 PSF 100 PSF 30 PSF

SNOW LOADS: GROUND SNOW LOAD, Pq = 30 PSFSNOW EXPOSURE FACTOR, Ce = 0.9SNOW LOAD IMPORTANCE FACTOR, I = 1.1THERMAL FACTOR, Ct = 1.0

WIND DESIGN: BASIC WIND SPEED, V = 126 MPHBUILDING CATEGORY III WIND EXPOSURE CATEGORY B INTERNAL PRESSURE COEFFICIENT,  $GCpi = \pm 0.18$ 

SEISMIC DESIGN FOR NEW SHED: SPECTRAL RESPONSE COEFFICIENTS: SDS = .296SD1 = .096SITE CLASS B SEISMIC DESIGN CATEGORY B SEISMIC IMPORTANCE FACTOR I = 1.25BASIC SEISMIC FORCE RESISTING SYSTEM IS AS SHOWN ON DRAWINGS DESIGN BASE SHEAR, V = AS SHOWN ON DRAWINGS ANALYSIS PROCEDURE IS EQUIVALENT LATERAL FORCE METHOD, UON. RESPONSE MODIFICATION FACTOR, R: CXB BUILDING CONVERSION: R = 6 1/2

LOADS INDICATED ABOVE REFLECT DESIGN LOADS FOR ANY NEW OR REHABILITATED STRUCTURAL ELEMENTS. THEY SHOULD NOT BE TAKEN AS DESIGN LOADS FOR THE STRUCTURE AS A WHOLE.

- G-5 ALL DIMENSIONS INDICATED (\*) ARE TO BE VERIFIED EITHER BY FIELD MEASUREMENTS FOR EXISTING STRUCTURES OR BY SHOP DRAWINGS FOR EQUIPMENT FURNISHED. STRUCTURAL DIMENSIONS NOT SHOWN BUT CONTROLLED BY OR RELATED TO EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.
- STRUCTURAL DRAWINGS SHALL BE USED IN COORDINATION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND MANUFACTURER'S SHOP DRAWINGS
- G-7 IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREA IN CONFLICT SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS RESOLVED BY THE ENGINEER.
- G-8 WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 0.25 OF FASTENER SPACING FROM EACH END.
- G-9 STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURE. DURING CONSTRUCTION, THE STRUCTURES SHALL BE PROTECTED BY BRACING AND TEMPORARY SUPPORTS WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR. OVERSTRESSING OF ANY STRUCTURAL ELEMENT IS PROHIBITED.
- G-10 NO BACKFILL SHALL BE PLACED AGAINST ANY WALL UNLESS ALL SUPPORTING ELEMENTS OF THE STRUCTURE HAVE BEEN CONSTRUCTED AND HAVE REACHED THE SPECIFIED MINIMUM CONCRETE STRENGTH.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION IN THE FIELD AS REQUIRED FOR NEW

#### EXCAVATION

- E-1 CONTRACTOR SHALL PERFORM ALL EXCAVATION IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL REQUIREMENTS INCLUDING OSHA BRACING AND EXCAVATION REQUIREMENTS.
- E-2 TEMPORARY SHEETING AND BRACING IS NOT SHOWN ON CONTRACT DRAWINGS. ALL EXCAVATIONS WITH A POTENTIAL FOR CAVE-IN SHALL BE PROVIDED WITH EXCAVATION PROTECTION SYSTEMS IN ACCORDANCE WITH OSHA 1926. SLOPING AND BENCHING WHICH WILL ENCROACH ON AREAS SLATED TO REMAIN ACCESSIBLE OR THAT MAY ENCROACH ON EXISTING FOOTINGS AND STRUCTURES SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL ENGAGE THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK TO DESIGN ALL TEMPORARY SHEETING AND BRACING AND RELATED APPURTENANCES. CONTRACTOR TO SUBMIT SUCH PLANS TO ENGINEER FOR INFORMATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING OF OPEN EXCAVATIONS.

#### STRUCTURAL METALS

- DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND LRFD DESIGN (LRFD MANUAL OF STEEL CONSTRUCTION, CURRENT EDITION).
- S-2 STEEL MATERIAL: A) STRUCTURAL TUBING, ASTM A 500, GRADE B. B) STRUCTURAL PIPE, ASTM A 53, GRADE B. C) PLATES AND ANGLES, ASTM A 36 UNO. D) STRUCTURAL W SHAPES, ASTM A 992 (MIN. YIELD STRENGTH OF 50 KSI). E) STRUCTURAL S, M, & H SHAPES ASTM A572 GRADE 50.
- PROVIDE MIN 3/4" DIAMETER ASTM A 325 HIGH STRENGTH BOLTS WITH FULLY TIGHTENED TYPE N CONNECTIONS FOR STRUCTURAL STEEL UON.
- PROVIDE TYPICAL STEEL BEAM CONNECTIONS FOR A CAPACITY NOT LESS THAN THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE AISC TABLES FOR ALLOWABLE LOADS OF BEAMS UNLESS NOTED OTHERWISE.
- CAST IN PLACE ANCHOR BOLTS FOR STRUCTURAL STEEL SHALL CONFORM TO ASTM A307 UON.
- DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ARE TO BE ENCASED IN CONCRETE.
- STAINLESS STEEL SHALL BE TYPE 316 FOR BOLTED CONSTRUCTIONS AND 316L FOR WELDED CONSTRUCTIONS.
- S-8 ALUMINUM SHALL BE ALLOY 6061-T6.
- S-9 ALL GROOVE AND BUTT WELDS SHALL BE FULL PENETRATION.
- S-10 FILLET WELD SIZES SHALL BE THE MINIMUM SIZE REQUIRED BY AISC CODE FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH, BUT NOT LESS THAN 3/16".
- S-11 DETAIL, FABRICATE, AND ERECT ALUMINUM IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION CONSTRUCTION MANUAL CURRENT EDITION.
- S-12 ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING ALUMINUM SHALL BE TYPE 316 STAINLESS STEEL UON.
- S-13 ALUMINUM SHALL BE ISOLATED FROM CONTACT WITH CONCRETE OR DISSIMILAR METALS.

- ALL WOOD FRAMING MEMBERS INCLUDING, BUT NOT LIMITED TO, WALL STUDS AND JOISTS, ARE INTENDED TO ACT AS A SYSTEM AS DETAILED IN THE STRUCTURAL DRAWINGS AND ONCE CONSTRUCTION IS COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY OF WOOD FRAMING SYSTEMS (I.E. TEMPORARY BRACING IF REQUIRED) DURING CONSRTUCTION AS A RESULT OF CONSTRUCTION METHODS AND SEQUENCES.
- T-2 ALL TIMBER SHALL BE PRESSURE-TREATED SOUTHERN PINE LUMBER.
- STORAGE OF ALL LUMBER AND TIMBER ON SITE SHALL BE KEPT OFF GROUND, UNDER COVER AND PROTECTED FROM DAMAGE.
- ALL DIMENSIONAL LUMBER SHALL BE CERTIFIED BY THE SUPPLIER IN WRITING TO BE KILN DRIED.
- STRUCTURE SHALL NOT BE ENCLOSED UNLESS LUMBER MOISTURE CONTENT HAS BEEN VERIFIED TO BE AT OR BELOW 15%. ANY SIGNS OF MOLD SHALL BE REMOVED AND TREATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS OR INDUSTRY STANDARDS.
- ALL LUMBER IN CONTACT WITH THE GROUND OR CONCRETE SHALL BE PRESSURE
- FASTENERS FOR PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL AND SHALL FOLLOW CURRENT SIMPSON GUIDELINES BASED ON WEATHER EXPOSURE. WHERE STAINLESS STEEL CONNECTORS OR HOT DIPPED GALVANIZED CONNECTORS ARE SPECIFIED IN THE DRAWINGS, STAINLESS STEEL OR HOT DIPPED GALVANIZED FASTENERS SHALL BE USED TO MATCH CONNECTOR TYPE.
- ALL PLATES AND LEDGERS SHALL BE FASTENED WITH A MINIMUM (3) ANCHORS PER PIECE UNLESS NOTED OTHERWISE.
- ALL METAL HARDWARE AND FRAMING ACCESSORIES SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY. ALL ITEMS SHALL BE INSTALLED PER THE SIMPSON'S INSTALLATION REQUIREMENTS. ALL NAIL HOLES SHALL BE FILLED WITH THE RECOMMENDED FASTENER UNLESS NOTED OTHERWISE ON THE DRAWING.
- T-10 HOLES FOR BOLTS SHALL BE DRILLED WITH A BIT OF THE SAME NOMIMAL DIAMETER AS THE BOLT + 1/16". LEAD HOLES FOR LAG SCREWS SHALL BE BORED PER NDS 11.1.3.
- T-11 ALL BOLTS, CARRIAGE BOLTS, LAG SCREWS, EXPANSION BOLTS AND EPOXY BOLTS SHALL BE INSTALLED WITH STANDARD CUT WASHERS UNDER THE BOLT HEAD AND NUTS THAT BEAR DIRECTLY ON THE WOOD. ALL NUTS SHALL BE TIGHTENED AT THE TIME OF INSTALLATION AND RE-TIGHTENED IF NECESSARY, DUE TO WOOD SHRINKAGE, PRIOR TO CLOSE OUT OR COMPLETION OF THE PROJECT. BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. WOOD SCREWS SHALL CONFORM TO B18.6.1. ALL BOLTS SHALL CONFORM TO ASTM A307 GRADE A UNLESS NOTED OTHERWISE.
- T-12 CUTTING AND NOTCHING OF SAWN LUMBER RAFTERS AND STUDS SHALL BE IN CONFORMANCE WITH THE FOLLOWING CRITERIA:

NOTCHES AT THE ENDS OF JOISTS SHALL NOT EXCEED 1/5 OF THE JOIST DEPTH. HOLES IN JOISTS SHALL NOT BE WITHIN 21/2 INCHES OF THE TOP OR BOTTOM OF THE JOIST, AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED 1/4 THE DEPTH OF THE JOIST. NOTCHES IN THE TOP OR BOTTOM OF THE JOISTS SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE OF THE THIRD SPAN.

NOTCHES AT THE ENDS OF RAFTERS OR CEILING JOISTS SHALL NOT EXCEED 1/5 OF THE DEPTH. NOTCHES IN THE TOP OR BOTTOM OF THE RAFTER OR CEILING JOIST SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE 1/3 OF THE SPAN. EXCEPT THAT A NOTCH NOT EXCEEDING 1/3 OF THE DEPTH IS PERMITTED IN THE TOP OF THE RAFTERS OR CEILING JOIST NOT FURTHER FROM THE FACE OF THE SUPPORT THAN THE DEPTH OF THE MEMBER. HOLES BORED IN RAFTERS OR CEILING JOISTS SHALL NOT BE WITHIN 21/2" INCHES OF THE TOP AND BOTTOM AND THEIR DIAMETER SHALL NOT EXCEED 1/4 THE DEPTH OF THE MEMBER.

C. WALL STUDS A MAXIMUM OF 21/4" DIAMETER NEATLY BORED HOLE MAY BE PLACED IN THE CENTER OF ALL BEARING 2x6 STUDS WITH NO ADDITIONAL REINFORCEMENT REQUIRED.

#### SPECIAL INSPECTIONS

A. JOISTS

B. RAFTERS

- S-1 SPECIAL INSPECTION SHALL COMPLY WITH SPECIFICATIONS.
- SPECIAL INSPECTION WILL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE NYS BUILDING CODE.
- S-3 SPECIAL INSPECTION WILL BE PERFORMED ON THE FOLLOWING STRUCTURAL SYSTEMS:
  - A. CONCRETE CONSTRUCTION (BC 1705.3)
  - B. WOOD CONSTRUCTION (BC 1705.5).
  - C. STEEL CONSTRUCTION (BC 1705.2)

- CONCRETE (EXCEPT PRECAST)
- C-1 CONCRETE STRENGTH CLASSES (28-DAY COMPRESSIVE STRENGTH) CLASS A (5000 PSI) STRUCTURES, REINFORCED DUCT BANKS, AND PIPE ENCASEMENT. FOR CONCRETE WALLS GREATER THAN 2 FEET THICK FOLLOW ACI RECOMMENDATIONS FOR MASS CONCRETE. CLASS D (2500 PSI) SIDEWALKS, CURBS AND GUTTERS, CONCRETE FILL, THRUST BLOCKS, UNREINFORCED DUCT BANKS AND PIPE ENCASEMENT, FENCE POST EMBEDMENT.
- C-2 REINFORCEMENT: ASTM A615, GRADE 60, OR ASTM A706, GRADE 60 WHERE REINFORCEMENT IS TO BE WELDED.
- C-3 CONCRETE COVER FOR REINFORCING:

1/2" MIN

- A) SURFACES CAST AGAINST SUBGRADE 3" MIN B) FORMED SURFACES IN CONTACT WITH SOIL OR LIQUID 2" MIN C) SURFACES NOT IN CONTACT WITH WEATHER, SOIL, OR LIQUID 1
- C-4 CONSTRUCTION JOINTS & CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN, CONSTRUCTION JOINTS SHALL BE LOCATED AT NO MORE THAN 30 FEET ON CENTER. JOINT LOCATIONS SHALL BE AS APPROVED BY THE ENGINEER.
- EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND REVEALS NOT SHOWN ON THE STRUCTURAL DRAWINGS BUT REQUIRED BY OTHER DISCIPLINES, SHALL BE PROVIDED FOR PRIOR TO PLACING CONCRETE.
- C-6 SPLICES SHALL BE CLASS 'B' CONFORMING TO THE PROVISIONS OF ACI 318 UNLESS NOTED OTHERWISE.
- C-7 AT ALL TYPICAL CURBS, EQUIPMENT PADS, AND PIPE SUPPORT PIERS, REINFORCING DOWELS SHOWN MAY BE REPLACED WITH MATCHING DOWELS SET IN EPOXY IN DRILLED HOLES AS SPECIFIED. DOWELS LOCATED CLOSER THAN 3" FROM ANY EDGE OF CONCRETE SHALL NOT BE REPLACED WITH DRILLED DOWELS.
- C-8 DRILLED EPOXY DOWELS (WHERE DOWELS ARE SHOWN TO BE PLACED INTO HARDENED CONCRETE): A) THE HOLE DIAMETER SHALL BE NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE REINFORCING BAR AT THE DEFORMATIONS. B) THE DEPTH OF EMBEDMENT SHALL BE 12 BAR DIAMETERS, UNLESS SHOWN OTHERWISE. C) ADJUST THE DOWEL LOCATIONS AS NEEDED TO AVOID DRILLING THROUGH ANY REINFORCING BARS.IF THE DOWEL LOCATION NEEDS TO BE MODIFIED, CONTACT THE ENGINEER.
- C-9 SLABS WITH SLOPING SURFACES SHALL HAVE THE INDICATED SLAB THICKNESS MAINTAINED AS THE MINIMUM. SLAB BOTTOMS CAN EITHER SLOPE WITH THE TOP SURFACE OR BE LEVEL. REINFORCEMENT IN SLABS WITH SLOPING SURFACES SHALL BE PLACED AT THE REQUIRED CLEARANCE FROM THE SLAB SURFACE.
- C-10 SLOPES SHOWN ON SLAB SURFACES BY FLOW ARROWS SHALL BE 1.0 PERCENT UNLESS NOTED OTHERWISE.
- C-11 WHERE HORIZONTAL CONSTRUCTION JOINTS. LOCATED ABOVE THE FOUNDATION SLAB. EXTEND BEYOND WHERE NEEDED. THEY SHALL BE TERMINATED AT A VERTICAL CONSTRUCTION JOINT APPROVED BY THE
- C-12 DOWELS, ANCHOR BOLTS, PIPES, WATERSTOPS AND OTHER EMBEDDED ITEMS SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING
- CONDUITS AND OTHER SIMILAR ITEMS EMBEDDED IN OR PENETRATING THROUGH CONCRETE SHALL BE SPACED ON CENTER NOT LESS THAN 3 TIMES THEIR OUTSIDE DIMENSION, BUT NOT LESS THAN 2 1/2" CLEAR IN CLASS 45F CONCRETE OR 2" CLEAR IN CLASS 45 CONCRETE. SUCH ITEMS SHALL NOT EXCEED 1/3 OF THE MEMBER THICKNESS.
- C-14 REINFORCING BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY METAL PIPE, PIPE FLANGE, METAL CONDUIT, OR OTHER METAL PARTS EMBEDDED IN CONCRETE. A MINIMUM CLEARANCE OF 2 INCHES SHALL BE PROVIDED.
- C-15 ALL JOINTS WHICH ARE IN MEMBERS IN CONTACT WITH LIQUID OR BELOW GRADE SHALL HAVE A WATERSTOP. CONSTRUCTION JOINTS SHALL HAVE A 6" PVC FLATSTRIP WATERSTOP. EXPANSION JOINTS SHALL HAVE A 9" PVC CENTERBULB WATERSTOP.
- C-16 IN VERTICAL JOINTS, WATERSTOP SHALL STOP NO LESS THAN 18" ABOVE THE MAXIMUM WATER SURFACE OR 18" ABOVE GRADE, WHICHEVER IS
- C-17 AT JOINT INTERSECTIONS, WATERSTOPS SHALL BE CONNECTED SO AS TO FORM A COMPLETE SEAL USING CONNECTION PIECES AS NEEDED.
- C-18 ALL EXPOSED CORNERS SHALL HAVE A 3/4" CHAMFER OR A 1/2" RADIUS

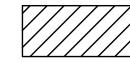
#### **DEMOLITION**

<u>LEGEND</u>

EXISTING REINFORCED CONCRETE WALL OR STRUCTURE TO BE DEMOLISHED

SAW CUT LINE - FULL DEPTH

UNLESS NOTED OTHERWISE



D-1 CONTRACTOR IS ALERTED THAT LIMITS OF DEMOLITION SHOWN IS APPROXIMATE. ACTUAL LIMITS SHALL BE

THE MINIMUM REQUIRED FOR NEW STRUCTURE.

CONTRACTOR TO COORDINATE AND SUBMIT DEMOLITION

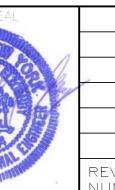
D-2 ALL ITEMS SHOWN ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

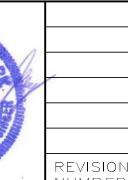
PROCEDURE PER SPECIFICATIONS.

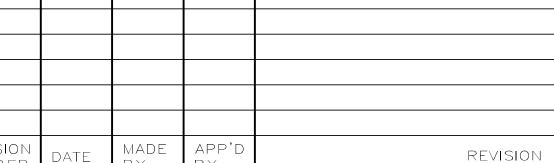
- D-3 FOR ADDITIONAL DEMOLITION NOT SHOWN SEE G, A, M, E, H AND P DRAWINGS.
- D-4 FOR ADDITIONAL DEMOLITION REQUIREMENTS SEE SPECIFICATIONS (024116).
- D-5 ALL EXISTING CONCRETE TO BE DEMOLISHED IS STEEL REINFORCED UNLESS NOTED OTHERWISE. REINFORCING STEEL NOT SHOWN FOR CLARITY.
- D-6 ALL DEMOLITION DEBRIS SHALL BE REMOVED OFFSITE. UNLESS ENGINEER APPROVED OTHERWISE.











RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED

CONTRACTOR

AS BUILT - NO CHANGES

PROJECT COORDINATOR

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK

WESTCHESTER COUNTY, NEW YORK

20-530

Page 190 of 288 **AS SHOWN** MAY 26, 2021 1-118-S-577

CXB-S-01

CXB - BUILDING CONVERSION STRUCTURAL NOTES

#### STRUCTU

		<u>STRUCT</u>	<u>ura</u>	<u> </u>
AB ADDL ADH ADJ AFF AGG AL ALT APPROX ARCH	ARCHITECTURAL		GA GALV GB GR GRTG HGT HORZ HP HSS	GAUG GALV/ GRADI GRATI HEIGH HORIZ HIGH
B BLDG BM BOF BOS BOT BRG	BORING BUILDING BEAM/BENCH MARK BOTTOM OF FOOTING BOTTOM OF STEEL BOTTOM BEARING		ID IF IN INCL INT	INSIDE INSIDE INCH INCLU INTER INVER
BT C C TO C CANT CJ CL CLR CMU CO COL CONC CONST CONTR CP CLJ CTR CY  DET DIA (Ø) DIAG DIM DIST DN DO DP DWG DWL	CHANNEL CENTER TO CENTER CANTILEVER CONSTRUCTION JOINT CENTER LINE CLEAR CONCRETE MASONRY UNIT CLEAN OUT COLUMN CONCRETE CONSTRUCTION CONTINUOUS CONTRACTOR CONCRETE PLANK CONTROL JOINT CENTER CUBIC YARD  DETAIL DIAMETER DIAGONAL DIMENSION DISTANCE DOWN DITTO DEEP DRAWING DOWEL		J JB JCT JT L LF LG LL LLH LLOC LP LVR LWL MATL MAX MECH MET MGD MHN MISC MOD MTD	JOIST JUNC JUNC JUNC JUNC JUNC JUNC LINEA LONG LONG LONG LONG LONG LOVE LOW MASO MATEI MANU MILLIO MANH MILLIO MANH MINIM MISCE MASO MODIF MOUN
E EA EF EL ELEV ENGR EMB ENCL ENT EQ EQPT EW EXIST EXP EXP JT EXT FAB FD FDN FFL FIN FLR FT FTG F&C F&C F&C	EAST EACH EACH FACE ELEVATION ELEVATOR ENGINEER EMBEDMENT ENCLOSURE ENTRANCE EQUAL EQUIPMENT EACH WAY EXISTING EXPANSION EXPANSION JOINT EXTERIOR  FABRICATE FLOOR DRAIN FOUNDATION FINISH FLOOR FINISH FLOOR FEET FOOTING FRAME&COVER ERAME&COVER		N NA NIC NO NOM NTS  OC OD OF OPNG OPP OT OVHD	NORTI NOT I NOT I NUMB NOMIN NOT OUTSI OPENI OPPO OPENI OVERI

F&G FRAME&GRATE

<u>JRA</u>	L ABBREVIATIONS		
GA V	GAUGE CALVANIZE	PAR	PARALLEL
GALV GB	GALVANIZE GRADE BEAM	PC PCO	POINT OF CURVE/PIECE PILE CUT OFF
GR	GRADE	PLO	POINT OF INTERSECTION
GRTG	GRATING	PL	PLATE/PROPERTY LINE
		PREFAB	PREFABRICATED
HGT	HEIGHT	PSF	POUNDS PER SQUARE FOO
HORZ	HORIZONTAL	PSI	POUNDS PER SQUARE INCI
HP	HIGH POINT	PT PTN	POINT OF TANGENCY PARTITION
HSS	HOLLOW STRUCTURAL STEEL	PVMT	PAVEMENT
ID IF	INSIDE DIAMETER INSIDE FACE	QTY	QUANTITY
 IN	INCH	_	21052
INCL	INCLUDE	R	RISER
INT	INTERIOR	RAD RCP	RADIUS REINFORCED CONCRETE PII
INV	INVERT	RD	ROOF DRAIN
	IOLOT	REINF	REINFORCEMENT
J JB	JOIST JUNCTION BOX	RECT	RECTANGULAR
JCT	JUNCTION	REM	REMOVE
JT	JOINT	REQD	REQUIRED
		RF BO	ROOF
L	LENGTH/ANGLE	RO	ROUGH OPENING
LF	LINEAR FEET	S	SOUTH
LG	LONG	SCHED	SCHEDULE
LL LLH	LIVE LOAD LONG LEG HORIZONTAL	SECT	SECTION
LLV	LONG LEG MONIZONTAL  LONG LEG VERTICAL	SF	SQUARE FEET
LOC	LOCATION	SHT	SHEET
LP	LOW POINT	SIM SJ	SIMILAR STEEL JOIST
LVR	LOUVER	SPEC	SPECIFICATION
LWL	LOW WATER LEVEL	SQ	SQUARE
MAS	MASONRY	SS	STAINLESS STEEL
MATL	MATERIAL	STA	STATION
MAX	MAXIMUM	STD	STANDARD
MECH	MECHANICAL	STR STIF	STAIR STIFFENER
MET	METAL	STIR	STIRRUP
MFR	MANUFACTURER	STL	STEEL
MG MGD	MILLION GALLONS MILLION GALLONS PER DAY	STRUC	STRUCTURAL
MH	MANHOLE	SUB	SUBSTITUTE
MIN	MINIMUM	SYM	SYMMETRICAL
MISC	MISCELLANEOUS	Т	TREAD
МО	MASONRY OPENING	T&B	TOP AND BOTTOM
MOD	MODIFY/MODIFIED	T&G	TOUNGE AND GROOVE
MTD	MOUNTED	TAN	TANGENT
		TEMP	TEMPERATURE
N	NORTH	THK	THICK
NA	NOT APPLICABLE	TOC	TOP OF CURB/CONCRETE
NIC	NOT IN CONTRACT	TOD TOF	TOP OF DECK TOP OF FOOTING
NO	NUMBER	TOM	TOP OF MASONRY/MANHO
NOM	NOMINAL	TOS	TOP OF SLAB/STEEL
NTS	NOT TO SCALE	TOW	TOP OF WALL
OC	ON CENTER	TYP	TYPICAL
OD	OUTSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
OF	OUTSIDE FACE	ONO	UNLESS NOTED OTTENWISE
OPNG	OPENING	VERT	VERTICAL
OPP	OPPOSITE		
OT OVHD	OPEN TRUSS OVERHEAD	W	WEST/WIDTH/WIDE FLANGE
OVHD	OVERHEAD	W/	WITH
		W/O	WITHOUT
		WL WP	WATER LEVEL WATERPROOF/WALL PIPE
		WPT	WALL PENETRATING TYPE
		WS	WATER SURFACE
		WT	WEIGHT
		WWF	WELDED WIRE FABRIC

#### SYMBOLS

	UNDISTURBED EARTH
	COMPACTED BACKFILL
	SELECT GRANULAR FILL MATERIAL
	CONCRETE BLOCK
	BRICK
	FINISHED WOOD
4 4	CONCRETE
	ROUGH WOOD
	RIGID INSULATION

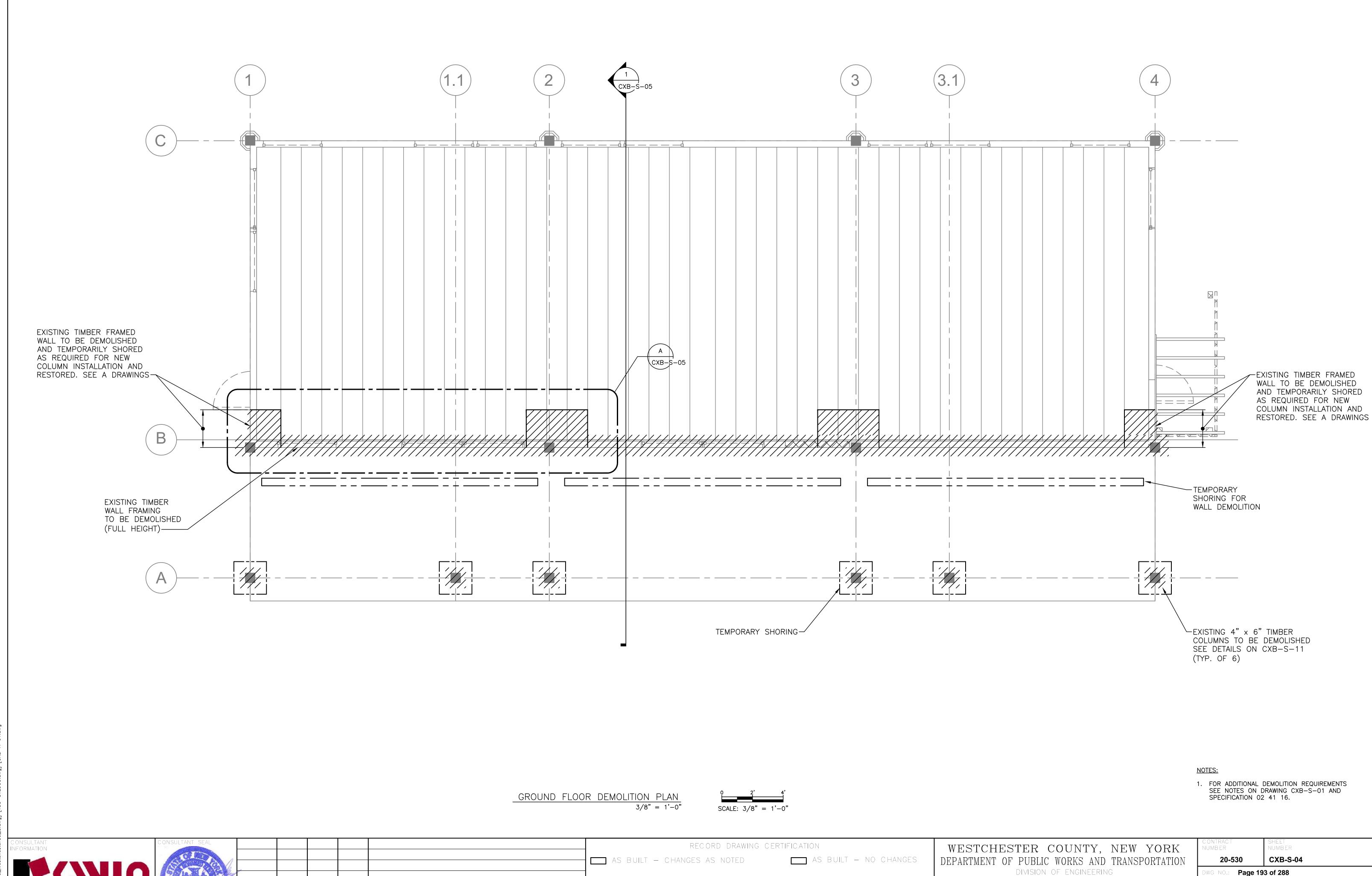
	RIGID INSULATION
• • •	REINFORCED STEEL IN CON
<del>* * * *</del>	WELDED WIRE FABRIC
	BLANKET INSULATION

DENOTES MOMENT CONNECTION

RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK AS BUILT — NO CHANGES 20-530 CXB-S-02 DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AS BUILT — CHANGES AS NOTED DIVISION OF ENGINEERING Savin Engineers, P.C. DWG NO.: Page 191 of 288 INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK CONTRACTOR PROJECT COORDINATOR **AS SHOWN** MAY 26, 2021 **CXB - BUILDING CONVERSION** REVISION NUMBER MADE APP'D BY BY DPW FILE **1-118-S-578** STRUCTURAL ABBREVIATIONS AND SYMBOLS DATE REVISION

SEE NOTES ON DRAWING CXB-S-01 AND

CONSULTANT INFORMATION	CONSULTANT SEAL			RECORD DRAWING	CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	CONTRACT NUMBER	SHEET NUMBER
Lebis A Para Para Para Para Para Para Para Pa	S CONTRACTOR OF THE SECOND			AS BUILT — CHANGES AS NOTED	AS BUILT — NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	20-530	CXB-S-03
N N N N N N N N N N N N N N N N N N N	POWER AND					DIVISION OF ENGINEERING	DWG NO.: Page	192 of 288
				CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK	SCALE: 3/8" = 1	'-0"
Savin Engineers, P.C.	065364			SIGNATURE	SIGNATURE	CXB - BUILDING CONVERSION	DATE: MAY 26	, 2021
Savin Engineers, P.C.	OFESSION THE TOTAL OF THE PROPERTY OF THE PROP	REVISION DATE MADE APP'D BY BY	REVISION	TITLE DATE	TITLE DATE	GROUND FLOOR DEMOLITION PLAN	DPW FILE NUMBER 1-118	REV. NO. 0



CONTRACTOR

PROJECT COORDINATOR

INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK

CXB - BUILDING CONVERSION

**GROUND FLOOR DEMOLITION PLAN** 

3/8" = 1'-0"

**MAY 26, 2021** 

1-118-S-580

Drawing Name: G:\SavinAutocad\2060\25—Playland—Mega—2\S\CXB—S—0 Rev#: Projectname: ——— Comments: ———
Printed by: GNicolais Date: 24 May 2021 5:07 PM Designed by: ——— Xrefs: [TB 24X36 WestchesterCo 3.dwa] [TSG—SVL0G0.dwa] [CXB—A—01.dwa

Savin Engineers, P.C.

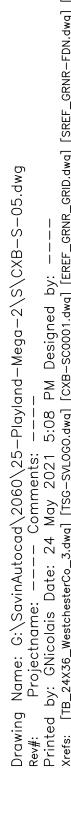
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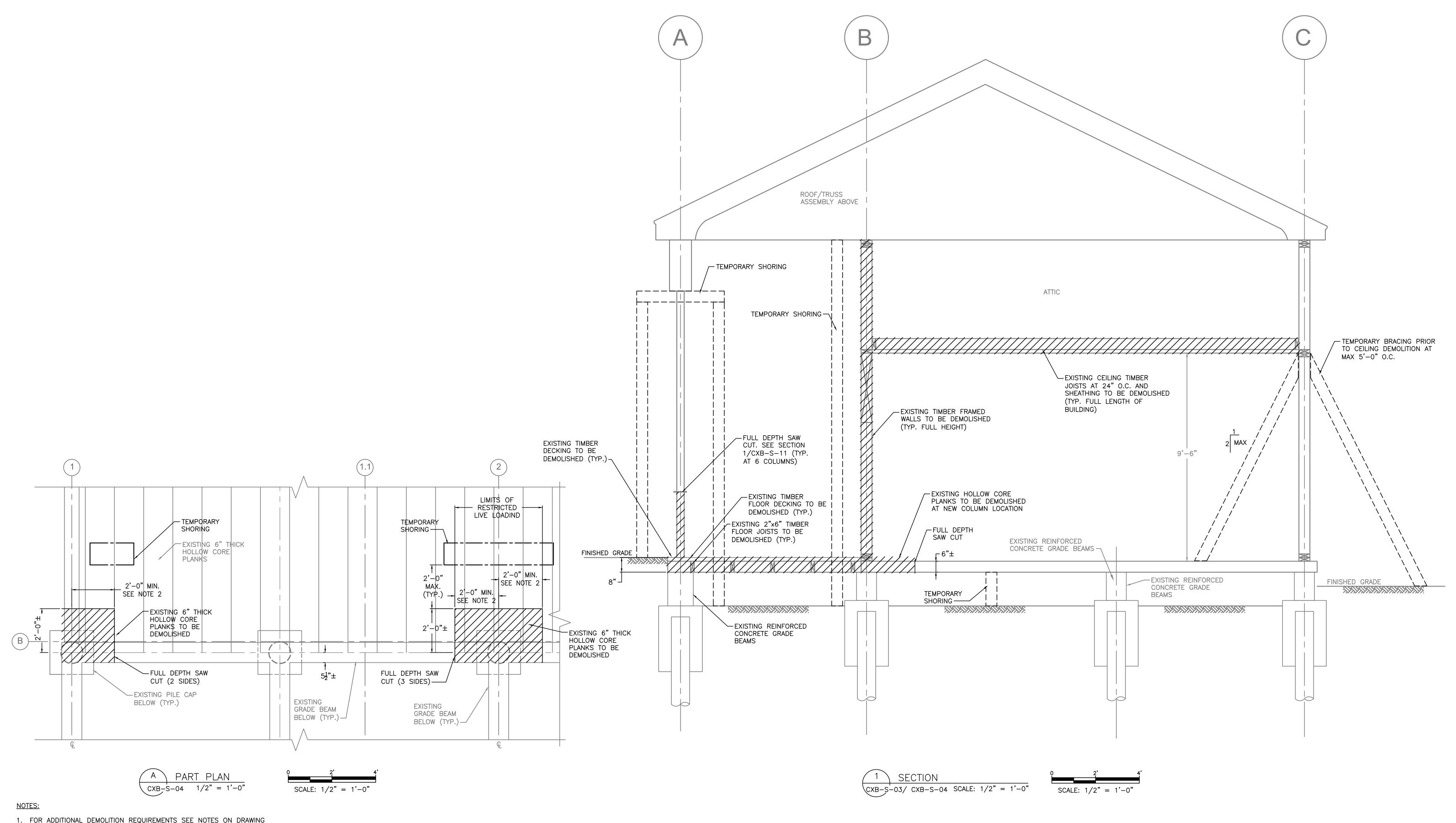
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- 1. FOR ADDITIONAL DEMOLITION REQUIREMENTS SEE NOTES ON DRAWING CXB-S-01 AND SPECIFICATION 02 41 16.
- 2. LIMITS OF HOLLOW CORE PLANK DEMOLITION/SAW CUT SHALL OCCUR AT THE HOLLOW CORE PLANK JOINT.
- 3. PART PLAN A APPLIES OPPOSITE HAND FOR COLUMN LINES 3 AND 4.

CONSULTANT SEAL CONSULTANT SEAL			RECORD DRAWING  AS BUILT — CHANGES AS NOTED	CERTIFICATION  AS BUILT — NO CHANGES	WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	CONTRACT NUMBER 20-530	SHEET NUMBER CXB-S-05
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Savin Engineers, P.C.	REVISION DATE MADE APP'D BY BY	REVISION	NAME SIGNATURE TITLE DATE	NAMESIGNATURE TITLE DATE	PLAYLAND PARK, RYE, NEW YORK  CXB - BUILDING CONVERSION  DEMOLITION - SECTIONS AND PART PLANS	DATE: <b>MAY 26,</b> 2	

**MAY 26, 2021** 

1-118-S-582

CXB - BUILDING CONVERSION

FOUNDATION & FRAMING PLAN PROPOSED

Drawing Name: G:\SavinAutocad\2060\25-Playland-Mega-2\S\CXB-S-06.dwg
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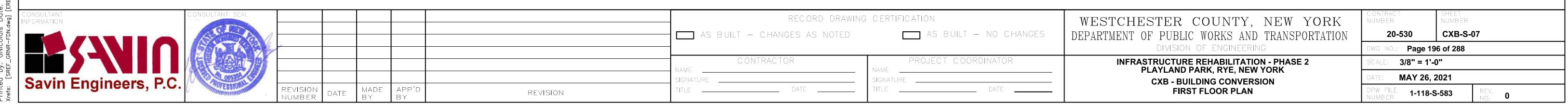
Savin Engineers, P.C.

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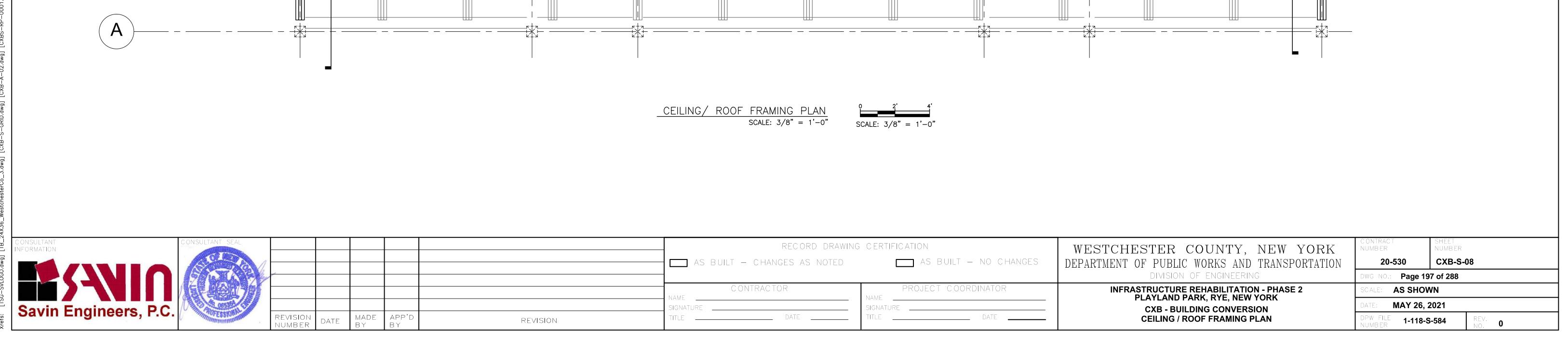
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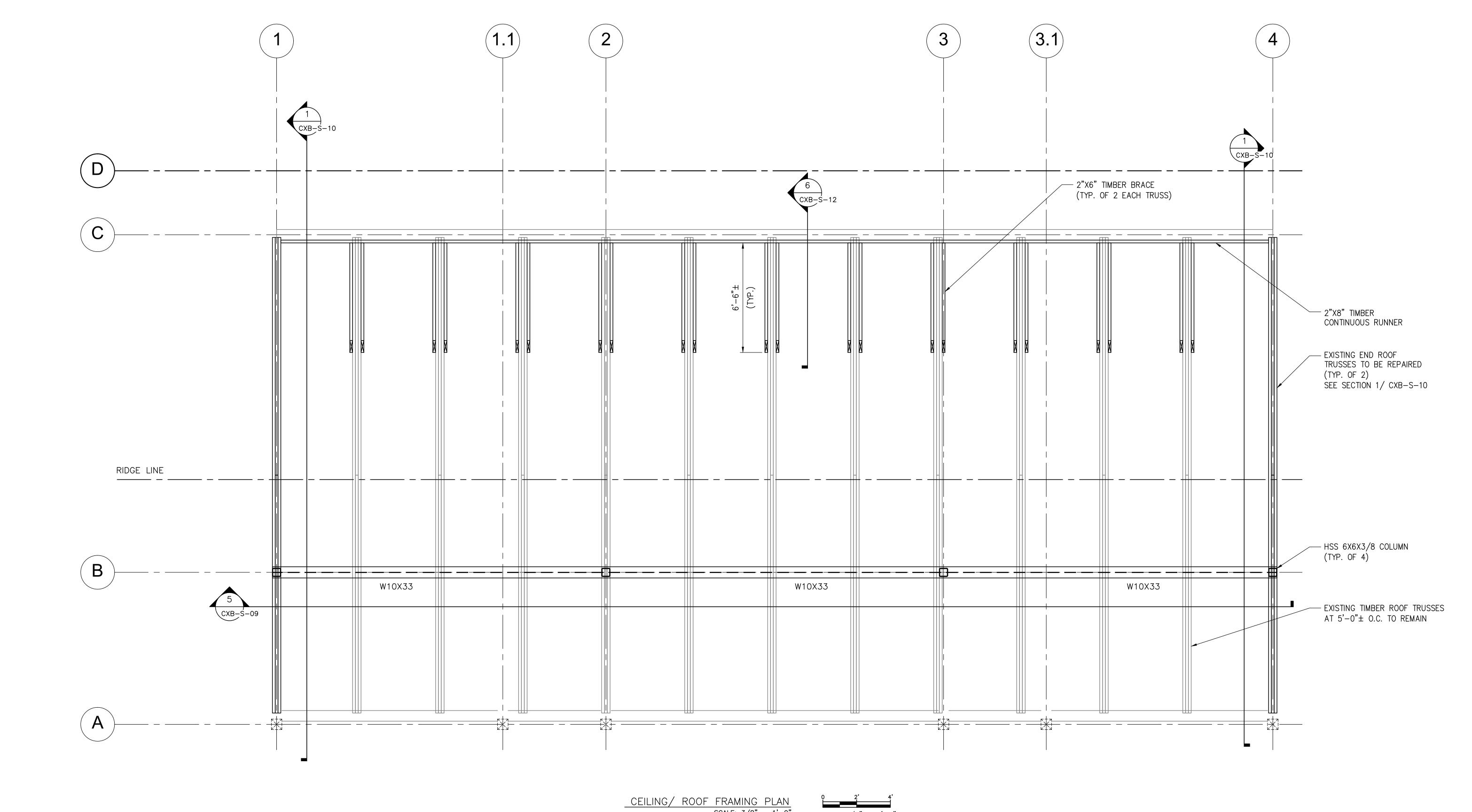
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PART PLANS AND SECTIONS

1-118-S-585

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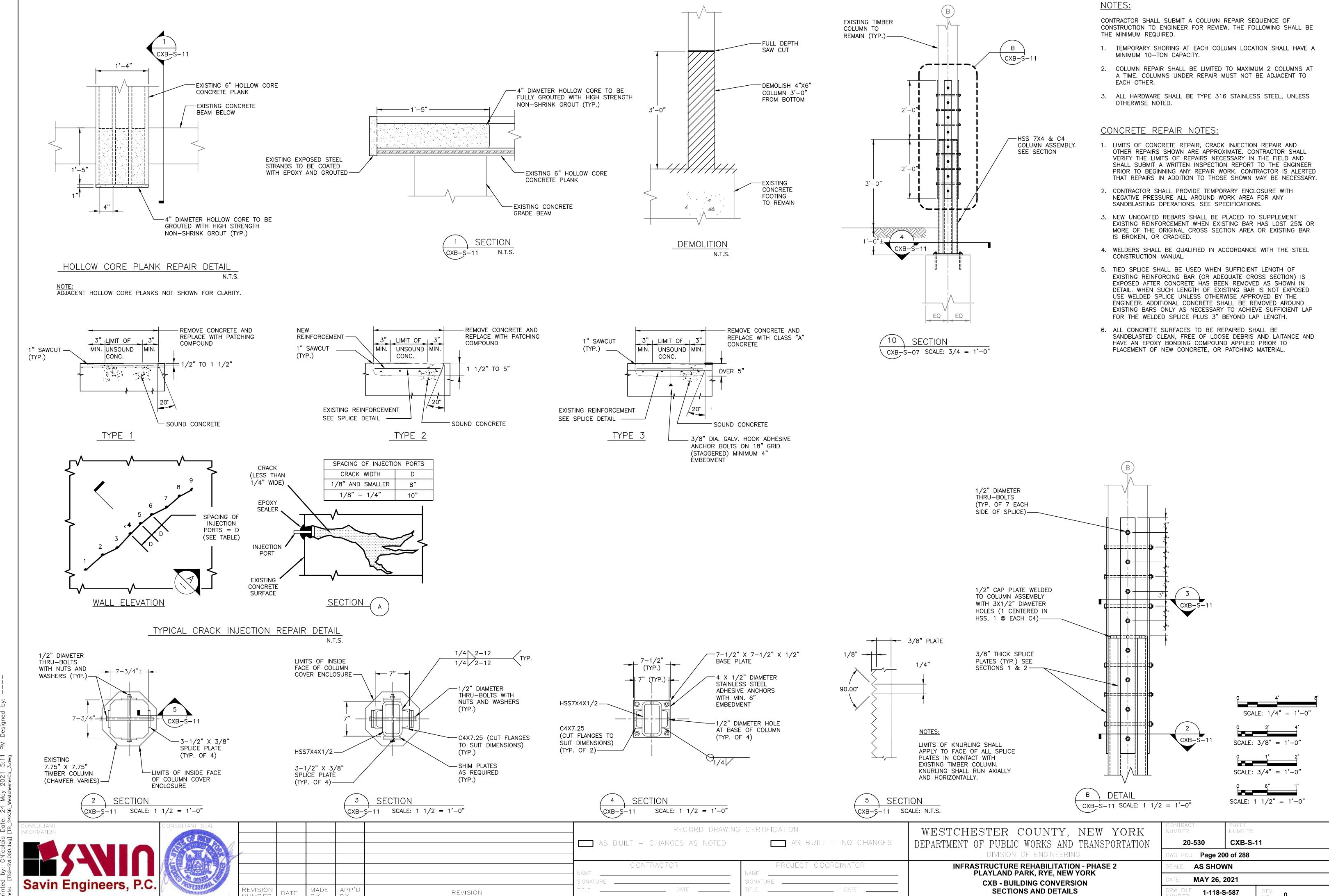
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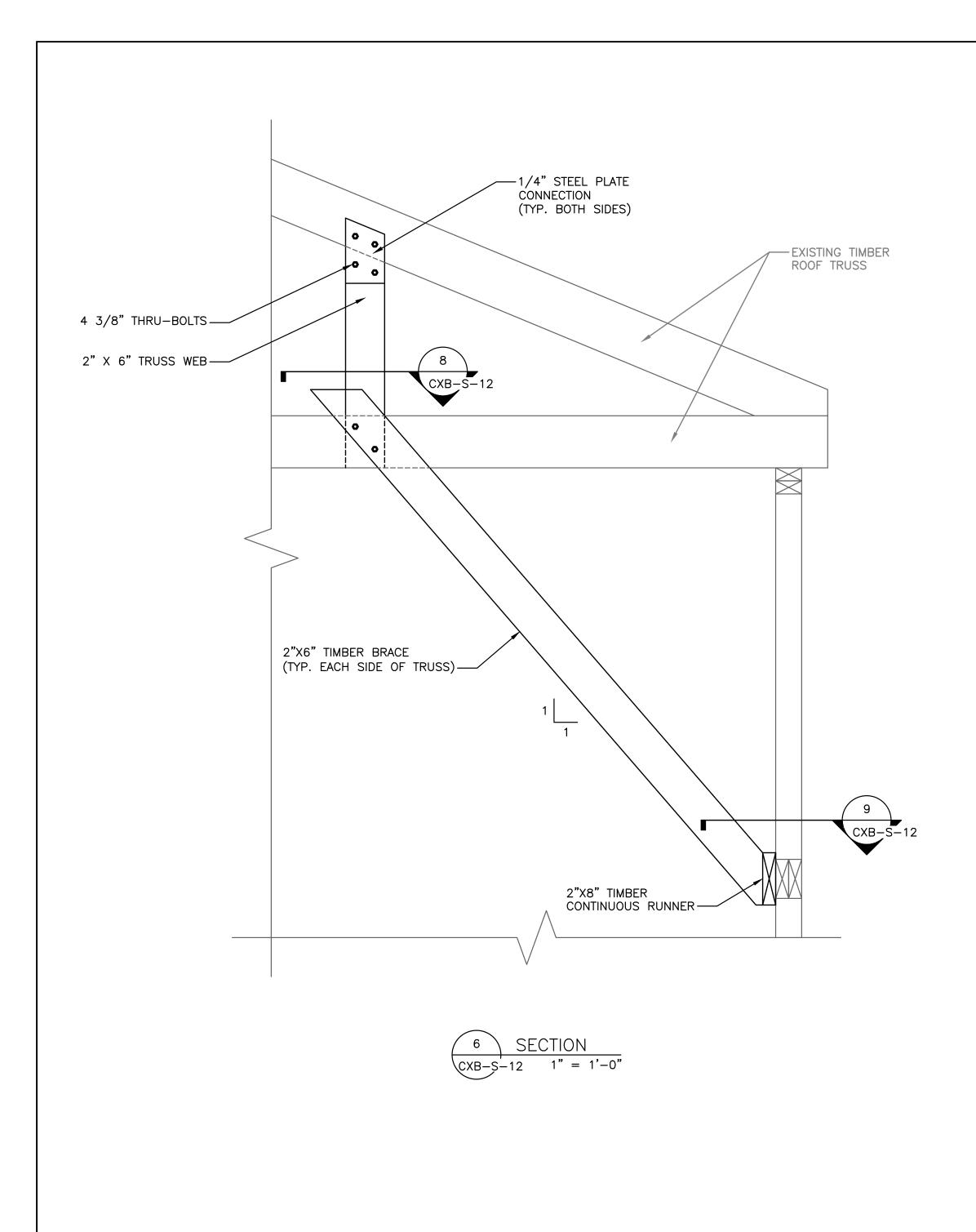
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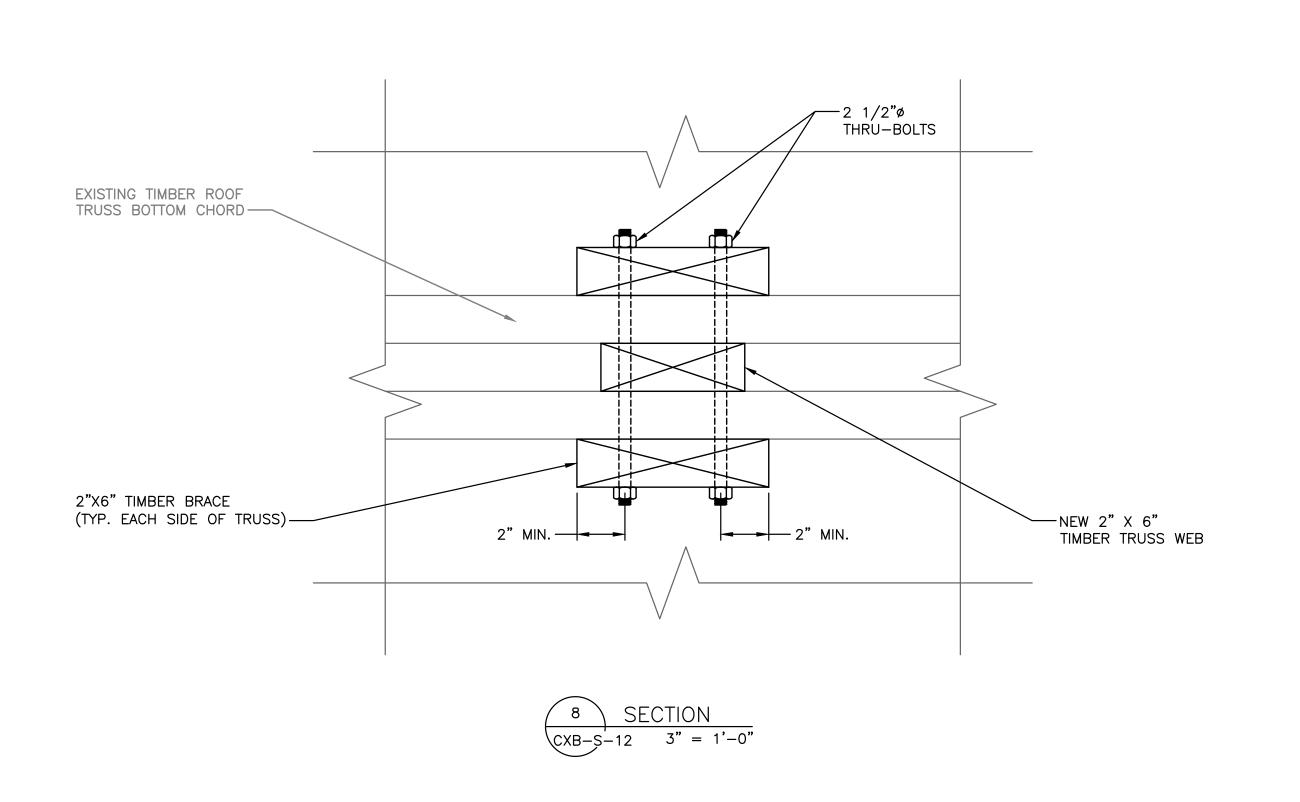
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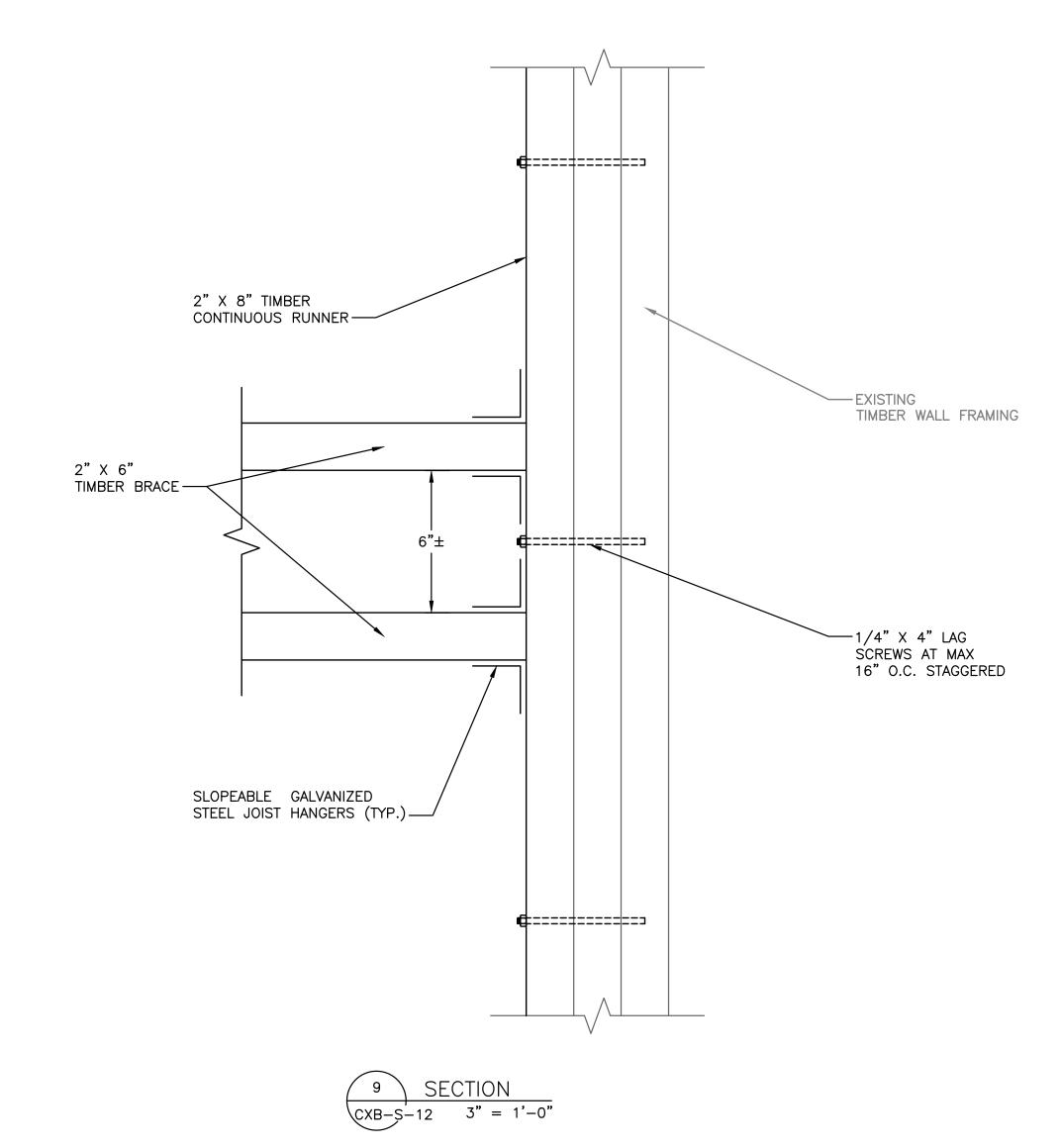


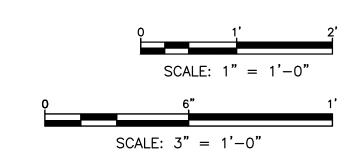
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Savin Engineers P.C	065354			NAME SIGNATURE		NAMESIGNATURE	PLAYLAND PARK, RYE, NEW YORK  CXB - BUILDING CONVERSION	DATE: MAY 20	
Savin Engineers, P.C.	REVISION NUMBER DA	TE MADE APP'D BY	REVISION	TITLE	DATE	_ TITLE DATE	SECTIONS	DPW FILE 1-11	REV. 0

#### **GENERAL FIRE ALARM NOTES:**

- 1. THE FIRE ALARM AND SMOKE DETECTION SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE NATIONAL FIRE PREVENTION CODE NFPA-72 (2010), NFPA-101 (2006), 2015 INTERNATIONAL BUILDING CODE ADOPTED BY THE NYS AND ALL LOCAL MUNICIPAL CODES HAVING JURISDICTION.
- 2. THE FIRE ALARM AND SMOKE DETECTION SYSTEM SHALL BE MAINTAINED AND TESTED IN COMPLIANCE WITH THE NATIONAL FIRE PREVENTION CODE (NFPA-72).
- A CONTINUOUS FIRE WATCH SHALL BE PROVIDED IF THERE IS FIRE SYSTEM IMPAIRMENT.
- 4. ALL FIRE ALARM STROBES SHALL BE SYNCHRONIZED AND SHALL REMAIN FLASHING AFTER SYSTEM SILENCE FUNCTION.
- 5. CONTRACTOR TO UPDATE ALL NECESSARY CORRESPONDING FIRE ALARM SIGNALS WHEN PERFORMING ANY MODIFICATION TO THE BUILDING, WHERE APPLICABLE, MAKE SURE THE SAME UPDATES ARE COORDINATED AND TRANSMITTED TO THE CENTRAL STATION.
- 6. HORNS WILL SOUND A TEMPORAL 3-SIGNALING RHYTHM AS PER NFPA-72.
- 7. EXACT PLACEMENT OF DEVICES TO BE VERIFIED IN FIELD.
- 8. ALL SMOKE DETECTOR SHALL BE INSTALLED A MINIMUM OF 36 INCHES FROM ANY HVAC SUPPLY OR RETURN REGISTER.
- 9. FIRE ALARM WIRING SHALL BE INSTALLED IN A MINIMUM OF 3/4" RIGID GALVANIZED CONDUIT OR BY NEW YORK STATE BUILDING CODE APPROVED WIRING METHODS.
- 10. ALL PULL STATIONS SHALL BE MOUNTED AT A MINIMUM OF 42 INCHES AND A MAXIMUM OF 48 INCHES (CENTERLINE) ABOVE THE FINISHED FLOOR. ALL PULL STATION SHALL BE RED IN COLOR.
- 11. ALL HORN AND STROBES DEVICES SHALL BE MOUNTED 80 INCHES ABOVE FINISHED FLOOR TO BOTTOM OF DEVICE, OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER.
- 12. WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES (NFPA-70) AND AS RECOMMENDED BY THE MANUFACTURER OF THE FIRE ALARM SYSTEM.
- 13. ALL EQUIPMENT AND COMPONENTS SHALL BE NEW AND SHALL BE TESTED AND LISTED BY A NATIONALLY RECOGNIZED
- 14. ALL EQUIPMENT SHALL BE ATTACHED TO WALLS AND CEILING/FLOOR ASSEMBLIES AND SHALL BE HELD FIRMLY IN PLACE. FASTENERS AND SUPPORTS SHALL BE ADEQUATE TO SUPPORT REQUIRED LOAD.
- 15. ALL FIELD WIRING SHALL BE ELECTRICALLY SUPERVISED FOR OPEN CIRCUIT AND GROUND FAULTS.
- 16. ALL BOXES AND CABINETS SHALL BE UL LISTED FOR THEIR USE AND PURPOSE.
- 17. DIALER OR ALARM COMMUNICATOR TRANSMITTER SHALL TRANSMIT ALL POINTS AS THEY ARE REPORTED TO THE HOST
- 18. ALL DEVICES SHALL BE COMPATIBLE WITH EXISTING SYSTEM (EST3 BY EDWARDS). FIRE ALARM PRODUCTS SHALL BE APPROVED BY THE ENGINEER OR OWNER.
- 19. ALL PENETRATIONS SHALL BE FIRE PROOFED AS REQUIRED.

#### **FIRE ALARM NOTES:**

- FIRE ALARM VENDOR MUST PRODUCE A SEPARATE FIXED PRICE TO PERFORM THE SCOPE OF WORK CONTAINED ON THESE DRAWINGS IN CONNECTION WITH THE FIRE ALARM SYSTEM. THESE DRAWINGS ARE PROVIDED FOR BID PURPOSES ONLY AND TO ILLUSTRATE THE SCOPE OF WORK INTENT OF THIS PROJECT. PRIOR TO SUBMISSION OF THE FIRE ALARM SYSTEM BID, THE FIRE ALARM VENDOR IS RESPONSIBLE TO REVIEW ALL DRAWINGS (I.E., MECHANICAL/HVAC, ELECTRICAL, PLUMBING, FIRE SPRINKLER, AND ARCHITECTURAL). UPON SUBMISSION OF THE FIRE ALARM BID, THE FIRE ALARM VENDOR CERTIFIES THAT ALL DRAWINGS HAVE BEEN REVIEWED, THE SITE HAS BEEN VISITED/INSPECTED (IF APPLICABLE), AND THAT ALL LOCAL FDNY REQUIRED ITEMS ARE FULLY UNDERSTOOD AND INCLUDED IN THE BID PRICE (NO CHANGE ORDERS ALLOWED).
- P. FIRE ALARM VENDOR MUST ADHERE TO NFPA 101, NFPA 72, ALL LOCAL CODES AND AUTHORITIES HAVING JURISDICTION. THE ENTIRE SYSTEM MUST BE DESIGNED IN ACCORDANCE WITH THESE AUTHORITIES HAVING JURISDICTION.
- 3. FIRE ALARM VENDOR MUST SUBMIT TO THE ENGINEER & OWNER FINAL APPROVED, SIGNED AND SEALED DESIGN/BUILD DRAWINGS INCLUDING: FIRE ALARM RISER DIAGRAM, LAYOUT, EQUIPMENT LIST & SPECIFICATIONS PRIOR TO START OF INSTALLATION. HE COST OF THE ENGINEERING FEE, PROGRAMMING CHARGE, NEW EQUIPMENT, CONNECTION & TESTING, TROUBLE SHOOTING OF SYSTEM, ATTENDANCE AT THE FIRE ALARM INSPECTION, ETC. ARE TO BE PART OF THE TOTAL PRICE. INSTALLATION OF THE NEW FIRE ALARM SYSTEM CAN BEGIN UPON WRITTEN APPROVAL FROM THE
- LOCATION OF ALL FIRE ALARM DEVICES (HORNS, STROBES, ETC.) INDICATED ON THESE DOCUMENTS ARE TO BE USED ADDITION TO THE LOCAL FIRE MARSHAL'S ORDINANCE. ADDITIONAL DEVICES REQUIRED ABOVE AND BEYOND THESE AS THE DESIGN MUST BE COMPLETE. DESIGN OF THE ENTIRE SYSTEM MUST BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING & FIRE CODES IN DOCUMENTS OR DEVICES ADDED AT THE REQUEST OF THE FIRE DEPARTMENT OR BUILDING DEPARTMENT WILL BE REIMBURSED UNDER CONTRACT UNIT PRICING.
- 5. ALL CABLES AND WIRING MUST BE PLENUM RETURN RATED CABLES.

#### **SCOPE OF WORK:**

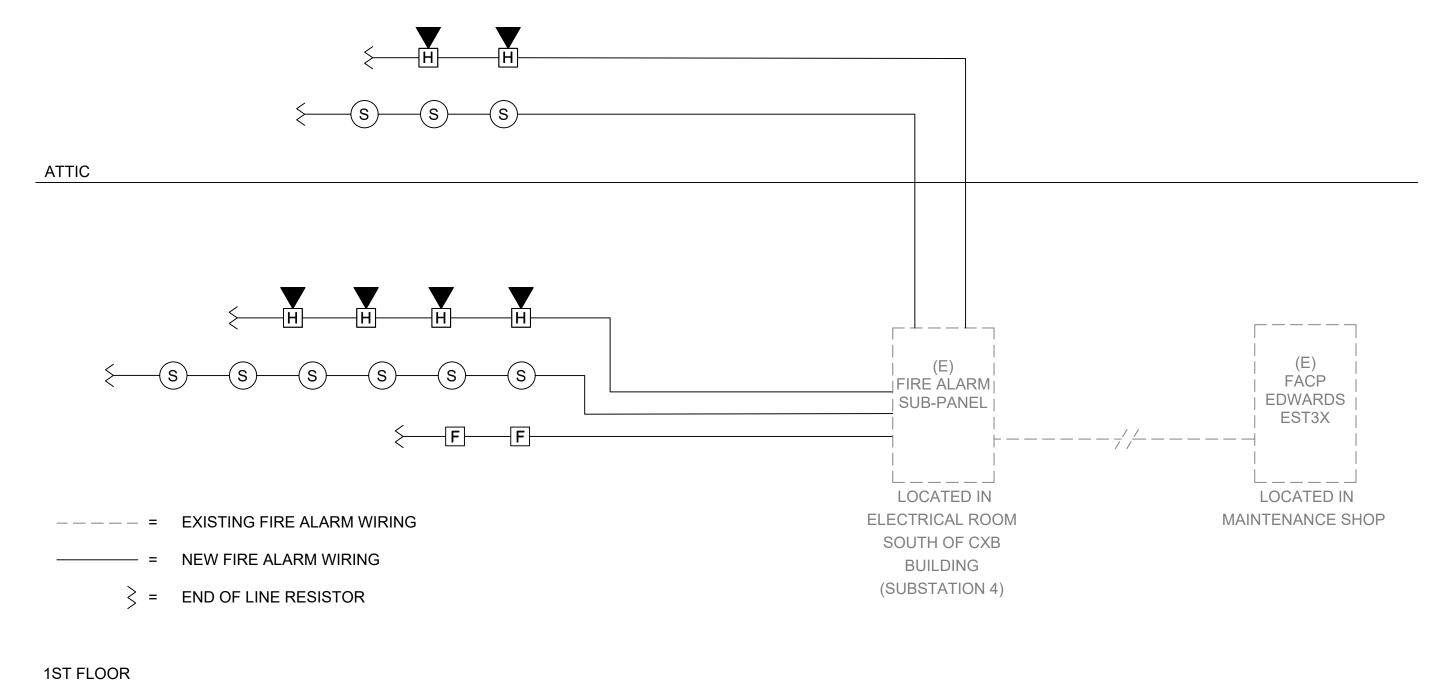
- PROVIDE NEW FIRE ALARM SYSTEM WITH ASSOCIATED DEVICES AS PER DRAWINGS.
- NEW FIRE ALARM SYSTEM AND SIGNAL WIRING SHALL BE CONNECTED TO THE EXISTING BUILDING FIRE ALARM PANEL.

#### **FIRE ALARM SYSTEM RISER NOTES:**

- 1. LOCATION OF DEVICES AND EQUIPMENT ARE APPROXIMATE. FINAL LOCATIONS MUST BE DETERMINED ACCORDING TO THE SITE CONDITIONS.
- 2. VISUAL FIRE ALARMS (STROBES) SHALL HAVE MINIMUM 5'-0" CLEARANCE FROM ANY OBSTRUCTIONS AND SHALL BE RATED AT 75 CANDELA MINIMUM, UNLESS OTHERWISE NOTED. ALL STROBES SHALL BE SYNCHRONIZED AT LINE OF
- 3. WALL MOUNTED HORNS AND VISUAL FIRE ALARMS (STROBES) SHALL BE MOUNTED AT 8'-0" A.F.F. WHERE LOCAL CONDITIONS DIFFER INSTALL THE STROBES AT 6" BELOW THE CEILING.
- 4. MANUAL PULL STATIONS SHALL BE MOUNTED AT 4'-0" A.F.F. AND SHALL BE INSTALLED WITHIN 5 FEET OF EXIT DOOR.
- 5. FUSE CUT OUT BOX SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE AND HAVE A REMOVABLE SOLID COPPER NEUTRAL BAR.
- 6. ALL CONDUITS AND CONTROL PANELS SHALL BE GROUNDED TO BUILDING STEEL/GROUND GRID WITH A MINIMUM #8
- 7. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSE ONLY. FIRE ALARM CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
- 8. EACH FIRE ALARM INITIATING AND INDICATING CIRCUIT SHALL BE ELECTRICALLY SUPERVISED.
- 9. EACH VISUAL FIRE ALARM CIRCUIT SHALL CONTAIN AT LEAST 20% SPARE CAPACITY.
- 10. ALL CONTROL PANELS, FUSE CUTOUTS, TROUBLE BELLS, ALARM BELLS AND SILENCE SWITCHES SHALL BE PROPERLY LABELED WITH MINIMUM 1/4" HIGH LETTERS.
- 11. WIRING FOR AUDIBLE AND VISUAL ALARM NOTIFICATION DEVICES SHALL BE ARRANGED SO THAT A LOSS OF A PORTION OF THE WIRING ON A FLOOR WILL NOT RENDER MORE THAN 60% OF THE DEVICES OF EACH TYPE INOPERATIVE, AND THE DEVICES SHALL BE SO CONNECTED TO THE CIRCUITRY (i.e., BY MEANS OF ALTERNATE CIRCUITS) AS TO MAINTAIN AT LEAST PARTIAL AUDIBILITY/VISIBILITY THROUGHOUT THE ENTIRE FLOOR.
- 12. THE FIRE ALARM CONTROL PANEL SHALL BE PROVIDED WITH A KEY SWITCH, DURING DAILY TESTS, THE KEY SWITCH SHALL BE USED TO BYPASS THE CIRCUITS THAT CONTROL DAMPERS AND FAN SHUTDOWN.
- 13. THE DAMPERS AND FAN BYPASS FUNCTION SHALL BE AUTOMATICALLY RESTORED TO BE NORMAL UN-SHUNTED CONDITION WITHIN FORTY-FIVE MINUTES, IF NOT DONE SO MANUALLY BEFORE FORTY-FIVE MINUTES.
- 14. PERFORM FIRE SYSTEM ELECTRICAL TEST AS PER THE INTERNATIONAL BUILDING CODE.

	FIRE ALARM LEGEND:
SYMBOL	DESCRIPTION
FA	FIRE ALARM SUB PANEL
S	SMOKE DETECTOR
F	MANUAL FIRE ALARM PULL STATION
# H	FIRE ALARM WALL MOUNTED HORN/STROBE # = CANDELA RATING
FCO	FUSED CUT OUT SWITCH/FUSED LOCKABLE DISCONNECT SWITCH
ST #	WALL MOUNTED STROBE # = CANDELA RATING
$\Diamond$	FLOW SWITCH CONNECTED TO FIRE ALARM SYSTEM
GV	SPRINKLER VALVE TAMPER SWITCH CONNECTED TO FIRE ALARM SYSTEM
(S)	DUCT MOUNTED SMOKE DETECTOR
FSR	FIRE ALARM INTERFACE RELAY FOR HVAC FAN SHUTDOWN

	FIRE ALARM ABBREVIATIONS:
Е	EXISTING TO REMAIN
ER	EXISTING TO BE RELOCATED
EL	EXISTING AS SHOWN IN NEW LOCATION
FACP	FIRE ALARM CONTROL PANEL
FCO	FUSED CUT OUT
FCU	FIRE ALARM CONTROL UNIT
FP	FIRE PROTECTION
N	NEW
RTU	ROOFTOP UNIT
SP	SPRINKLER
WP	WEATHERPROOF
Х	EXISTING TO BE DEMOLISHED



- 1. WIRING SHOWN ON RISER IS DIAGRAMMATICAL. PROVIDE NEW FIRE ALARM CABLE AS REQUIRED AND INSTALL WIRING LOOPS AS BEST SUITED FOR FIELD CONDITIONS.
- 2. THE BUILDING IS FULLY SPRINKLERED.

#### FIRE ALARM RISER DIAGRAM $^\prime$ SCALE: NOT TO SCALE

									SY	STEM C	)UTPU1	S						
			Contro	ol Unit	Annun	ciation					N	Votificat	ion				Su	pp.
		ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	INDICATE COMMON SUPERVISORY STATUS	ACTUATE AUDIBLE SUPERVISORY SIGNAL	INDICATE COMMON TROBLE SIGNAL	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ACTIVATE HORNS AND STROBES THROUGHOUT THE PROTECTED AREA	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT AUTOMATIC ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT MANUAL ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT WATERFLOW ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT CO ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	ACTIVATE TEMPORAL 4 SIGNAL ON ACTIVATED CO DETECTOR SOUNDER BASES	SHUT DOWN CO PRODUCING EQUIPMENT	SHUT DOWN FANS/AIR HANDLING UNITS
	EVENT	Α	В	С	D	E	F	G	Н	l	J	K	L	М	N	0	Р	Q
1	ACTIVATION OF MANUAL PULL STATION	X	X					X	Х		X							
2	ACTIVATION OF SMOKE DETECTOR	X	Х					X	Χ	X								X
3	ACTIVATION OF DUCT MOUNTED SMOKE DETECTOR	X	Х					X	Х	X								X
4	ACTIVATION OF HEAT DETECTOR	Х	Х					Х	Х	X								Х
5	WATERFLOW SWITCH FOR FIRE SPRINKLER SYSTEM	Х	Х					Х	Х			Х						X
6	ACTIVATION OF CARBON MONOXIDE DETECTOR			Х	Х			Х	Х					Х		Х	Х	
7	SPRINKLER VALVE (TAMPER SWITCH)			Х	Х				Х				Х					
8	FIRE ALARM LOSS OF PRIMARY/SECONDARY POWER					Х	Х		Х						Х			
9	FIRE ALARM SYSTEM WIRING FAILURE					Х	Х		Х						Х			

# FIRE ALARM SEQUENCE OF OPERATIONS MATRIX SCALE: NOT TO SCALE



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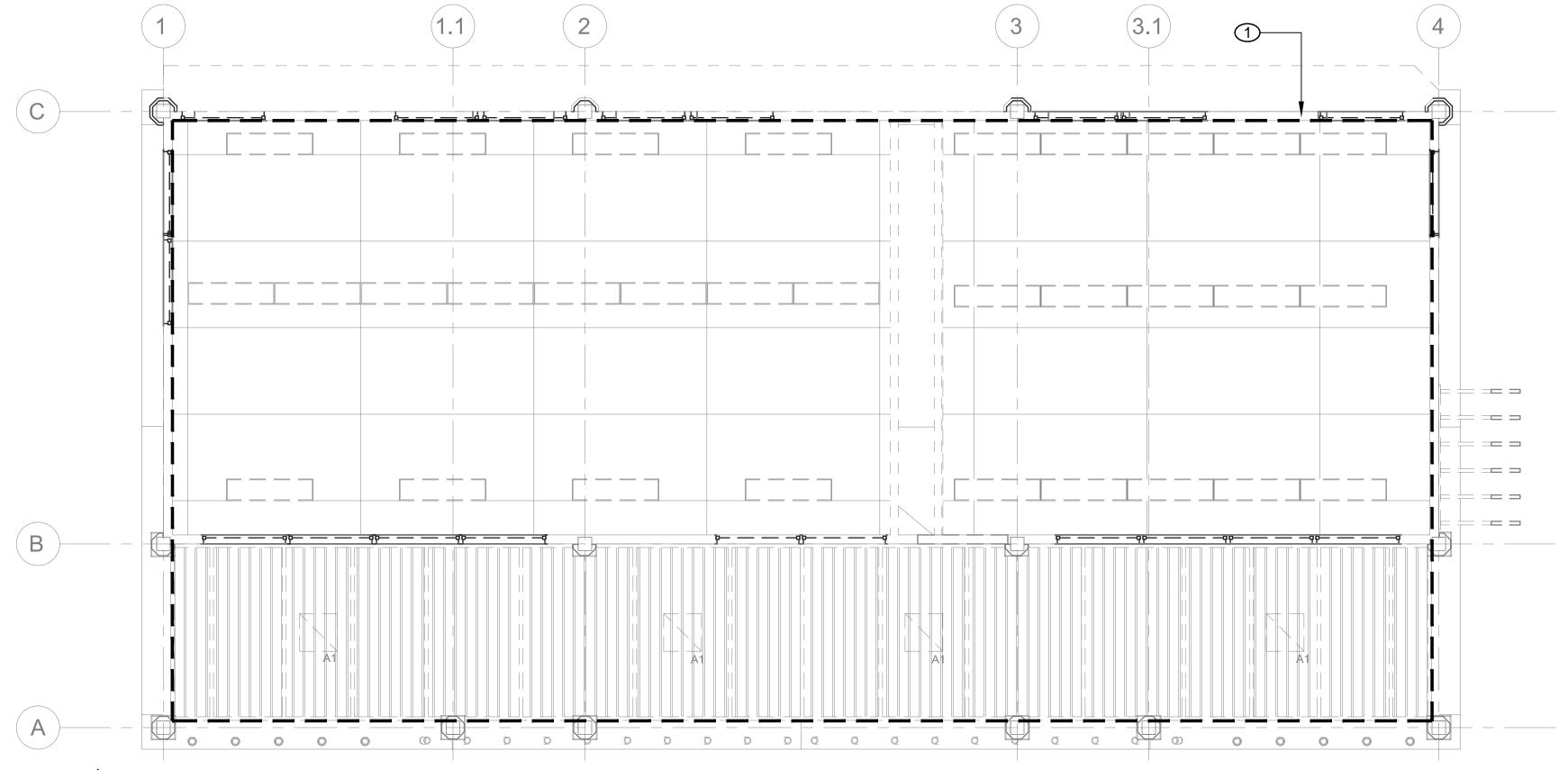
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK

**CXB - BUILDING CONVERSION** 

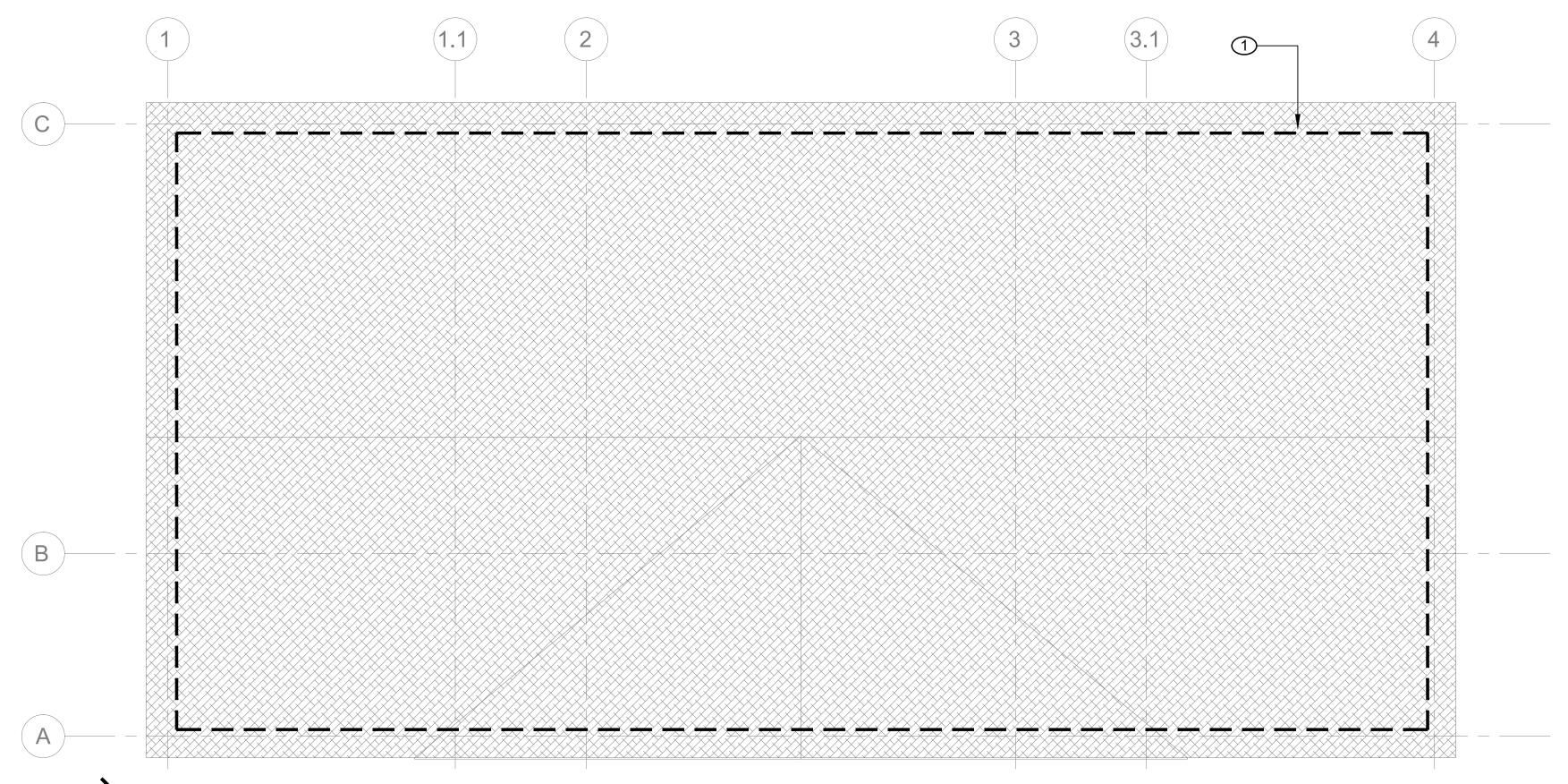
NUMBER NUMBER 20-530 CXB-FA-01 DWG NO.: **Page 202 of 288** N.T.S. **MAY 26, 2021** FIRE ALARM NOTES, SYMBOLS, LEGEND, AND RISER DIAGRAM 1-118-FA-590

#### FIRE ALARM DEMOLITION NOTES:

1 ALL EXISTING FIRE ALARM DEVICES IN THE AREA OF SCOPE SHALL BE REMOVED, WITH ASSOCIATED WIRING DEMOLISHED BACK TO SOURCE.



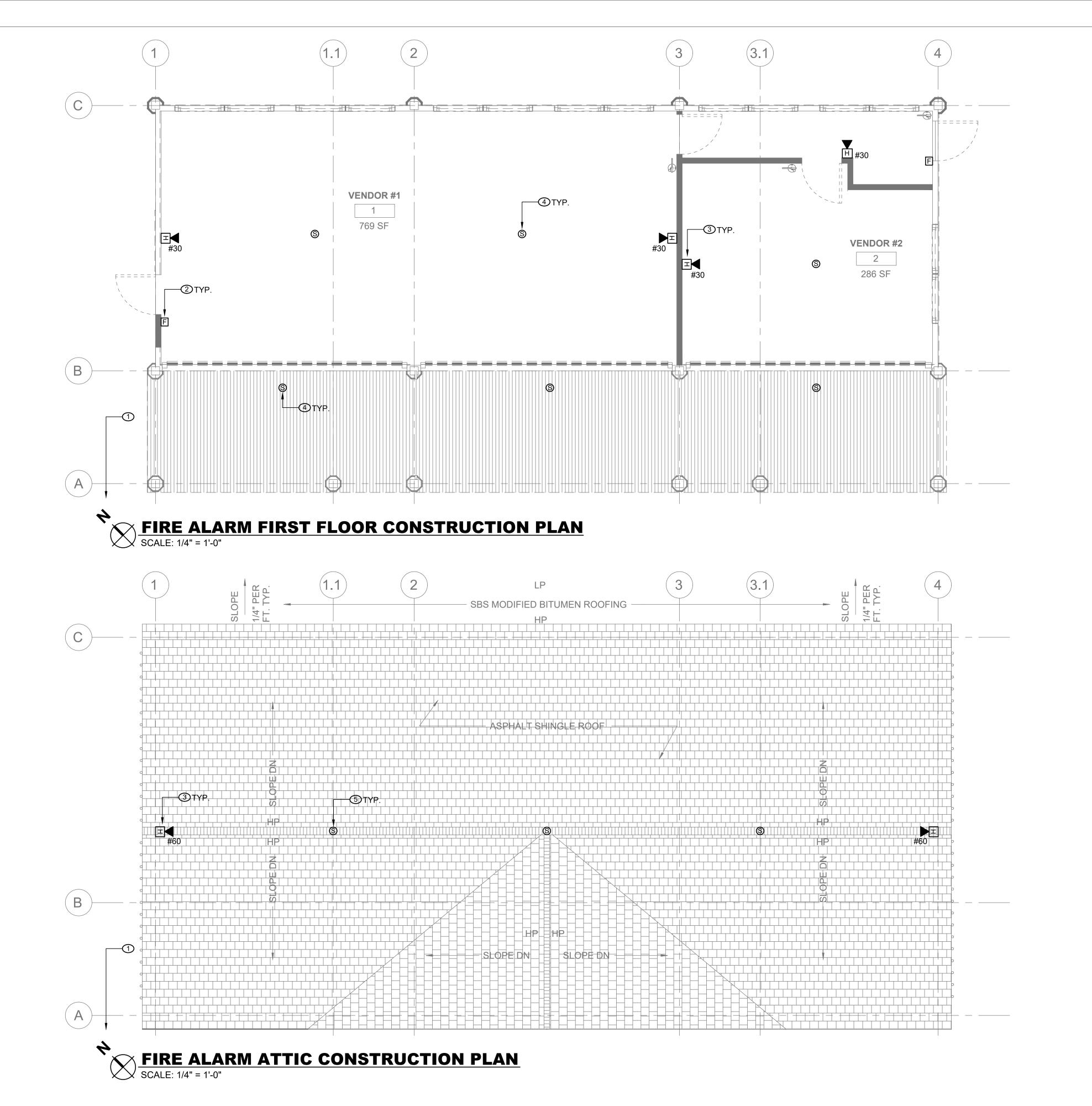
# FIRE ALARM FIRST FLOOR DEMOLITION PLAN SCALE: 1/4" = 1'-0"



FIRE ALARM ATTIC DEMOLITION PLAN

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

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ONSULTANT SEAL SHEET NUMBER RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK 20-530 CXB-FA-21 AS BUILT - NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AS BUILT - CHANGES AS NOTED DIVISION OF ENGINEERING DWG NO.: **Page 204 of 288** PROJECT COORDINATOR CONTRACTOR **INFRASTRUCTURE REHABILITATION - PHASE 2** AS NOTED PLAYLAND PARK, RYE, NEW YORK MAY 26, 2021 **CXB - BUILDING CONVERSION** FIRE ALARM CONSTRUCTION FLOOR PLANS REVISION 1-118-FA-592

FIRE ALARM CONSTRUCTION NOTES:

ELECTRICAL ROOM SOUTH OF CXB BUILDING (PANEL #8, SUBSTATION 4). SYSTEM SHALL BE TESTED IN COORDINATION WITH FIRE ALARM SYSTEM VENDOR (EST). AS PART OF SYSTEM

(1) CONNECT ALL NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM CONTROL PANEL IN

(2) NEW MANUAL PULL STATIONS SHALL BE INSTALLED AT 4'-0" ABOVE FINISHED FLOOR AT

(3) FIRE ALARM HORN STROBES SHALL BE FIELD ADJUSTABLE, CANDELA RATING AS SHOWN.

4 INSTALL NEW SMOKE DETECTORS IN VENDOR AREAS AND COVERED WALKWAY. MOUNT TO

(5) INSTALL NEW SMOKE DETECTORS IN ATTIC SPACE. MOUNT AS CLOSE AS POSSIBLE TO TOP

FIRE ALARM GENERAL NOTES:

REFER TO DRAWING FA-001.00 FOR SYMBOLS, ABBREVIATIONS, AND NOTES. LAYOUT OF

FIRE ALARM DEVICES ON THIS PLAN IS DIAGRAMMATIC; EXACT LOCATIONS OF DEVICES AND CONDUIT SHALL BE COORDINATED WITH FIELD CONDITIONS, ARCHITECTURAL

ALL DEVICES AND EQUIPMENT SHOWN ON THIS PLAN ARE NEW, UNLESS OTHERWISE

. INSTALL NEW FIRE ALARM SYSTEM IN STRICT ACCORDANCE WITH NFPA-72 AND NFPA-90A

4. CONTRACTOR SHALL INSTALL NEW FIRE ALARM SYSTEM AS INDICATED AND PROVIDE ALL

5. ALL VISUAL NOTIFICATION DEVICES IN THE SAME SPACE SHALL BE SYNCHRONIZED IN

6. COORDINATE INSTALLATION WITH FIRE ALARM SYSTEM VENDOR AND MANUFACTURER

IN FINISHED WALLS AND FLUSH MOUNT DEVICES WHERE POSSIBLE.

AND CEILINGS TO MATCH EXISTING OR DESIRED NEW CONDITION.

CONTRACTOR SHALL TEST THE FIRE ALARM SYSTEM AFTER COMPLETION OF

PROPERLY PRIOR TO INSPECTION BY THE AUTHORITY HAVING JURISDICTION.

COORDINATE FIRE ALARM DEVICES WITH ARCHITECTURAL FINISHES. CONCEAL CONDUIT

INSTALLATION. FIRE ALARM SYSTEM SHALL BE TESTED AND VERIFIED TO BE WORKING

9. FOLLOWING INSTALLATION, CONTRACTOR SHALL PATCH, PAINT, AND RESTORE ALL WALLS

10. FIRESTOP ALL FIRE-RATED FLOOR OR WALL PENETRATIONS TO MAINTAIN ORIGINAL FIRE

11. CONTRACTOR SHALL PROVIDE SLEEVE FOR CONDUIT PENETRATIONS THROUGH WALL

TESTING, ENSURE PANEL IS CONNECTED TO PARKWIDE SYSTEM.

REQUIREMENTS, AND MANUFACTURER RECOMMENDATIONS.

NECESSARY WIRING, CONDUIT, AND APPARATUSES.

EACH BUILDING EXIT (MAX. DISTANCE OF 5'-0" FROM EXIT).

UNDERSIDE OF NEAREST BEAM.

REQUIREMENTS.

REQUIREMENTS.

ACCORDANCE WITH NFPA-72.

RATING TO FULL DEPTH OF OPENING.

AND CEILING FLOORS.

# **FIRE PROTECTION SAFETY NOTES:**

1. SPECIAL PRECAUTION SHALL BE TAKEN BY THE CONTRACTOR SO THAT EQUIPMENT OF THIS APPLICATION AND ITS INSTALLATION WILL NOT AFFECT THE FOLLOWING: EGRESS TO AND FROM THE BUILDING. FIRE SAFETY OR CREATE A FIRE HAZARD. STRUCTURAL SAFETY OF THE BUILDING, ACCUMULATION OF DUST AND DEBRIS. (THE CONTRACTOR SHALL LEAVE THE SITE BROOM CLEANED EACH DAY.)

# FIRE PROTECTION GENERAL NOTES:

1. DIMENSIONS, LOCATIONS AND SIZES INDICATED ON THE PLANS AND THE ELEVATION ARE APPROXIMATE AND SHALL BE VERIFIED BY FIELD INSPECTION BY THE CONTRACTOR.

2. SOME EXISTING PIPE AND EQUIPMENT IS SHOWN FOR CLARIFICATION OF THIS CONTRACT, BUT MUST BE PROTECTED BY THE CONTRACTOR.

3. NO WORK SHALL BE INITIATED UNTIL A WORK PERMIT IS OBTAINED BY THE CONTRACTOR AND A SAFETY PLAN IS SUBMITTED AND IS APPROVED.

4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, EQUIPMENT USE PERMITS, ALL INSPECTION APPROVALS, AND LETTER OF COMPLETION FROM THE NEW YORK CITY DEPARTMENT OF BUILDINGS FOR WORK UNDER THIS CONTRACT AS APPLICABLE.

5. ANY EXISTING MATERIALS, PIPING, ETC., NOT INDICATED FOR DEMOLITION WHICH ARE REMOVED BY THE CONTRACTOR IN ORDER TO INSTALL NEW WORK SHALL BE REINSTALLED BY THE CONTRACTOR. IF EXISTING WORK IS DAMAGED IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL SURFACES OR FINISHES THAT ARE DAMAGED OR OTHERWISE AFFECTED BY WORK OF THIS CONTRACT SHALL BE PATCHED. REPAIRED, PAINTED OR REPLACED TO MATCH THE PRE-EXISTING CONDITION AND THE NEW WORK.

6. CONTRACTOR MAY PROPOSE ALTERNATE ROUTING IN DIFFICULT AREAS WHERE REPLACEMENT IN KIND IS NOT PRACTICAL. ANY AND ALL ALTERNATE ROUTING IS SUBJECT TO PRIOR REVIEW AND APPROVAL BY THE ENGINEER.

7. A FIRE WATCH SHALL BE USED IF REQUIRED.

# FIRE PROTECTION SYMBOL LIST

	— FS DRY — NEW DRY SPRINKLER PIPING
	— DRY(E) — EXISTING TO REMAIN DRY SPRINKLER PIPING
0	NEW UPRIGHT SPRINKLER HEAD
O <sub>E</sub>	EXISTING UPRIGHT SPRINKLER HEAD
•	NEW CONCEALED PENDENT SPRINKLER HEAD-ORDINARY TEMPERATUR
¢	SPRINKLER DRY PIPE VALVE
Ц	FIRE HOSE CABINET
>	SIAMESE CONNECTION
1Z	CHECK VALVE
<b>€</b> Z}	CHECK VALVE W/ ALARM
$\Diamond$	WATER MOTOR ALARM BELL
8	PIPE RISER
<del>с</del> –	PIPE DROP
0-	PIPE UP
$oldsymbol{\Theta}$	POINT OF CONNECTION
	POINT OF DISCONNECTION
П	END CAP
界	SOLENOID VALVE
本	OS & Y VALVE
<u>/</u> #\	REVISION SYMBOL
<b>F#</b>	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
√xxx <del></del>	EQUIPMENT TAG
X	EQUIPMENT NUMBER

# SHOP DWGS/EQUIPMENT **SUBMITTALS**

X-XXX FIRE PROTECTION SHEET NUMBER

THE CONTRACTOR MUST SUBMIT ANY EQUIPMENT ALTERNATES 2 WEEKS PRIOR TO BIDS DUE FOR REVIEW AND COMMENTS. ALTERNATES MUST BE ACCEPTED BY LIRO ENGINEERS, INC., THE ARCHITECT, AND THE OWNER PRIOR TO INCLUSION IN BID. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE EQUIPMENT ALTERNATES WITH OTHER TRADES AND MAKE ADJUSTMENTS TO THE MECHANICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE THESE NEW ALTERNATES.

THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL OF THE FOLLOWING ITEMS FOR REVIEW/APPROVAL BY NO MORE THAN 3 WEEKS AFTER THE CONTRACTOR'S CONTRACT/BID HAS BEEN AWARDED. ALL SUBMITTALS MUST BE SENT TOGETHER AS A **SINGLE PACKAGE** WITH MANUFACTURER'S SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET. IF THE SUBMITTAL PACKAGE IS FOUND TO BE INCOMPLETE UPON RECEIPT. THE PACKAGE WILL BE HELD AND WILL NOT BE REVIEWED UNTIL THE REMAINDER OF THE PACKAGE IS RECEIVED. SIX (6) HARD COPIES OF THE SUBMITTAL PACKAGE MUST BE SENT TO LIRO ENGINEERS, INC. DIGITAL SHOP DRAWING SUBMISSIONS ARE ACCEPTABLE.

# FIRE PROTECTION NOTES

1. THE DRAWINGS SHOW THE LAYOUT OF THE SYSTEM AND INDICATE THE APPROXIMATE LOCATIONS OF EQUIPMENT AND PIPING. CONTRACTOR IS CAUTIONED NOT TO SCALE THE DRAWINGS. THE PIPING SHALL BE RUN APPROXIMATELY IN THE AREAS AS INDICATED ON THE DRAWINGS, [HOWEVER, TO THE ARRANGEMENT OF THE PIPING SYSTEMS AS MAY BE REFERENCED WITH WORK OF OTHER TRADES]. CONTRACTOR SHALL REVIEW AND COORDINATE WITH STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. PARTITIONS, STRUCTURAL MEMBERS, ETC. ARE DESIGNED TO BE FURRED OR CLOSED IN AND TO INCLUDE ROUGH-IN PIPING. CONTRACTOR SHALL FURNISH ALL OFFSETS, ADDITIONAL FITTINGS, ETC. WHETHER SHOWN ON DRAWINGS OR NOT, AS REQUIRED TO MEET INSTALLATION CONDITIONS.

2. CONTRACTOR IS TO COMPLY WITH LATEST NFPA AND N.Y.S. CODES, AND COORDINATE HIS WORK WITH OTHER TRADES AND MAKE NECESSARY ADJUSTMENTS.

3. CONTRACTOR IS TO PREPARE SHOP DRAWINGS FOR ENGINEERS REVIEW AFTER MAKING A COMPLETE FIELD SURVEY.

4. CONTRACTOR IS TO REPORT ANY CONDITION REQUIRING CHANGES FROM PLANS TO ENGINEER PRIOR TO STARTING WORK.

5. BRANCH LINES AND MAINS (1 1/2" OR LESS) - SCHEDULE 40 FM APPROVED

6. BRANCH LINES AND MAINS (2" OR LARGER) - THINWALL (THICKNESS LESS THEN SCHEDULE 40 MORE THEN SCHEDULE 10 & FM APPROVED)

7. CONTRACTOR IS TO PERFORM A HYDROSTATIC TEST FOR 2 HRS. @ 200 PSI WITH NO LEAKAGE AND PROVIDE A TEST CERTIFICATE TO ENGINEER

8. CONTRACTOR IS TO EMPLOY EXPERIENCED WORKMEN WHO ARE TO FAMILIARIZE THEMSELVES WITH THE BUILDING AND OBSERVE SAFETY REQUIREMENTS.

9. CONTRACTOR TO ADJUST HEAD LOCATION TO COORDINATE WITH LIGHTS, DUCTS, ETC.

10. PERMIT FROM LOCAL AUTHORITY, TO BE OBTAINED BY CONTRACTOR.

11. ALL WORK TO BE APPROVED BY OWNERS ENGINEER, STATE AUTHORITIES HAVING JURISDICTION AND MUNICIPAL FIRE, PLUMBING, BUILDING AND WATER DEPARTMENTS.

12. U.L. AND/OR FM APPROVED EQUIPMENT TO BE USED.

13. WORK TO BE IN ACCORDANCE WITH MUNICIPAL WATER DEPT. RULES

14. SYSTEM IS TO BE MAINTAINED AND TESTED BY THE OWNER OR HIS AGENT IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES AND IN CONFORMANCE WITH NFPA 13A, LATEST EDITION.

15. IF BUILDING OCCUPANCY OR CONSTRUCTION CHANGES. THE SPRINKLER SYSTEM IS TO BE UPDATED

ACCORDINGLY BY THE OWNER OR HIS AGENT.

16. CONTRACTOR IS TO NEATLY CUT AND PATCH IN A FIRST CLASS WORKMANLIKE MANNER, ALL HOLES AND PENETRATIONS IN WALLS, CEILINGS, FLOORS, PARTITIONS, ETC.

17. THE ENGINEER IS NOT RETAINED FOR SUPERVISION.

18. THE INSTALLATION OF THIS SYSTEM WILL REQUIRE THE CLOSING OF ONE OR MORE FIRE PROTECTION CONTROL VALVES. THESE VALVE CLOSURES SHOULD BE CLOSELY COORDINATED WITH THE OWNERS WHO SHOULD CONTACT THE LOCAL FIRE DEPARTMENT, INSURANCE INTERESTS, ETC. PRIOR TO VALVE CLOSURES.

19. ACTUAL DESIGN DENSITY MAY EXCEED STANDARDS, HOWEVER, IT IS A MINIMUM TO BE USED BY THE

20. ALL ALARMS RELATING TO THE SPRINKLER SYSTEM SHOULD BE ACTIVATED UPON PLACING THE SPRINKLER SYSTEM IN SERVICE.

21. THE INSTALLATION COMPONENTS, SIZING, SPACING, MATERIALS LOCATION CLEARANCES, POSITION AND TYPE OF SYSTEM SHALL CONFORM TO NFPA 13 AND NYS UNIFORM FIRE PREVENTION BUILDING CODE LATEST

22. SPRINKLERS SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER NFPA CODE.

23. INSPECTION AND TESTS OF SPRINKLER SYSTEM SHALL BE CONDUCTED AS SPECIFIED IN NFPA CODE.

25. PIPING SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION,

24. WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED AS SPECIFIED IN CHAPTER 2-9 OF NPPA 13.

DAMAGE FITTINGS, VALVES, HANGERS, SPRINKLERS, GUARDS AND SHIELDS SHALL BE IN ACCORDANCE WITH CHAPTER 3 AND CHAPTER 8 OF NFPA 13, LATEST EDITION. PIPING SHALL BE PAINTED TO PREVENT CORROSION. 26. STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER CHAPTER 3 OF NFPA 13 (REQUIRED FOR EACH

TEMPERATURE RATING). 27. SPRINKLER ALARMS WILL BE IN ACCORDANCE WITH NFPA 13.

28. SPACING, LOCATION AND POSITION OF SPRINKLERS SHALL BE IN ACCORDANCE WITH CHAPTER 4 OF NFPA

29. ALL PIPING PASSING THROUGH WALLS SHALL COMPLY WITH NFPA FOR FIRE PROOFING.

30. DISTANCE OF SPRINKLERS FROM HEAT SOURCES SHALL BE IN ACCORDANCE WITH TABLE 3-16.6.3 OF NFPA

31. PROVIDE WATER SUPPLY LETTER WITH FLOW TEST DATA.

32. ALL PIPES PASSING THROUGH FOUNDATION WALLS TO BE PROTECTED.

33. ALL VALVES SHALL BE IDENTIFIED AS REQUIRED BY NFPA 13.

34. DRAINAGE TO CONFORM TO CHAPTER 3-11 OF NFPA 13.

35. A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHOULD BE USED WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE AS PER SECTION 3-12.2.7 OF NFPA 13.

36. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES AND IN SUPPLY TO SPRINKLERS SHALL BE APPROVED O.S. &Y. OR APPROVED INDICATOR TYPE WITH TAMPER SWITCHES.

37. DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER SECTION 3-14.1.2 OF NFPA 13.

38. HANGERS SHALL BE OF A TYPE APPROVED FOR USE WITH THE PIPE OR TUBE INVOLVED, SPRINKLER PIPING SHOULD BE SUPPORTED BY ADJUSTABLE HANGERS PER NFPA 13, SECTION 3-15.

39. PROVISIONS SHOULD BE MADE TO FACILITATE FLUSHING SYSTEM PIPING BY PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CAPPED NIPPLE 4" LONG ON THE END OF THE CROSS MAIN, AS PER SECTION 3- 8.2 OF NFPA 13.

40. SPRINKLER SHALL BE AN APPROVED TYPE AS PER SECTION 3-16 OF NFPA 13.

41. TEMPERATURE RATING SHALL COMPLY WITH SEC. 3-16.6 OF NFPA 13.

42. CLEARANCES BETWEEN SPRINKLERS AND STORAGE OR PARTITIONS AS PER NFPA 13, SECTION 4-2.5

43. SPACING AND LOCATION OF SPRINKLER SHALL COMPLY WITH CHAPTER 4 NFPA 13.

44. CONTRACTOR TO COORDINATE HIS WORK WITH OTHER TRADES.

45. ONLY EXPERIENCED SPRINKLER MECHANICS TO WORK ON THE SYSTEM.

46. ALL PIPING TO BE A MINIMUM OF 1" UNLESS OTHERWISE NOTED.

47. PROVIDE SHOP DRAWINGS WITH HYDRAULIC CALCULATIONS FOR REVIEW TO LOCAL FIRE MARSHALL AND INSURANCE UNDERWRITER AND ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

48. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S

REQUIREMENTS/SPECIFICATIONS.

49. ALL FIRE PROTECTION EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE).

# **SCOPE OF WORK:**

REMOVAL OF EXISTING DRY FS SPRINKLERS AND PIPING.

2. THE INSTALLATION OF NEW DRY FS EQUIPMENT.

F1FR

RELIABLE

3. PROPOSED FIRE SPRINKLER HEAD LOCATIONS AND PIPING ARE AS NOTED ON PLANS. EXACT PIPING FROM THE FIRE SPRINKLER MAIN TO ALL HEADS IS TO BE COORDINATED AND HYDRAULICALLY CALCULATED BY THE F.S.C. & SUBMITTED TO THE ENGINEER FOR APPROVAL

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. F.S.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

### SPRINKLER HEAD SCHEDULE K-FACTOR QUANTITY MANUFACTURER | MODEL DESCRIPTION DRY ORDINARY UPRIGHT RELIABLE F1FR 5.6 20 SPRINKLE HEAD

RY ORDINARY CONCEALED

SPRINKLER HEAD

5.6

	ABBREVIATION
(E)	EXISTING TO REMAIN
F.S.C.	FIRE SPRINKLER CONTRACTOR
P.C	PLUMBING CONTRACTOR
TYP	TYPICAL
W/	WITH
NYS	NEW YORK STATE
U.G.	UNDERGROUND PIPING
W	WATER

FIRE WATCH CONTRACTOR SHALL PROVIDE FIRE WATCH WHEN SPRINKLER COVERAGE IS IMPACTED TO MAINTAIN BUILDING OPERATIONS.

DRAWIN	G NOTATIONS
#	DRAWING NOTE TAB
	RISER DESIGNATION
•	POINT OF CONNECTION
•	POINT OF DISCONNECTION

DRDINARY HAZARD PIPE	
SCHEDULE	

	STEEL	C	OPPER
1IN. 1 1/4 IN. 1 1/2IN. 2 IN. 2 1/2 IN. 3 IN. 3 1/2 IN. 4 IN. 5 IN. 6 IN. 8 IN.	2 SPRINKLERS 3 SPRINKLERS 5 SPRINKLERS 10 SPRINKLERS 20 SPRINKLERS 40 SPRINKLERS 65 SPRINKLERS 100 SPRINKLERS 160 SPRINKLERS 275 SPRINKLERS SEE SECTION 8.2	1IN. 1 1/4 IN. 1 1/2IN. 2 IN. 2 1/2 IN. 3 IN. 3 1/2 IN. 4 IN. 5 IN. 6 IN. 8 IN.	2 SPRINKLERS 3 SPRINKLERS 5 SPRINKLERS 12 SPRINKLERS 25 SPRINKLERS 45 SPRINKLERS 75 SPRINKLERS 115 SPRINKLERS 180 SPRINKLERS 300 SPRINKLERS SEE SECTION 8.2

FOR SI UNITS, 1 IN. = 25.4 MM.

MAXIN	1UN	1 D	IST	ANC	EB	ETV	NEI	EN I	<b>IAH</b>	NGE	RS	(FTIN.)
					NON	MINAL PIP	E SIZE (	IN.)				
	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A
COPPER TUBE	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0	15-0	15-0	15-0

## FIRE PROTECTION DRAWING LIST SHEET REVISON REVISION SHEET NAME NO. DATE CXB-FP-01 FIRE PROTECTION NOTES, SYMBOLS, ABBREVIATIONS, AND DRAWING LIST CXB-FP-11 FIRE PROTECTION DEMOLITION REFLECTED CEILING AND ATTIC PLANS CXB-FP-22 FIRE PROTECTION CONSTUCTION REFLECTED CEILING AND ATTIC PLANS CXB-FP-81 FIRE PROTECTION DETAILS

FORMATION

ONSULTANT SEAL

MADE APP' DATE

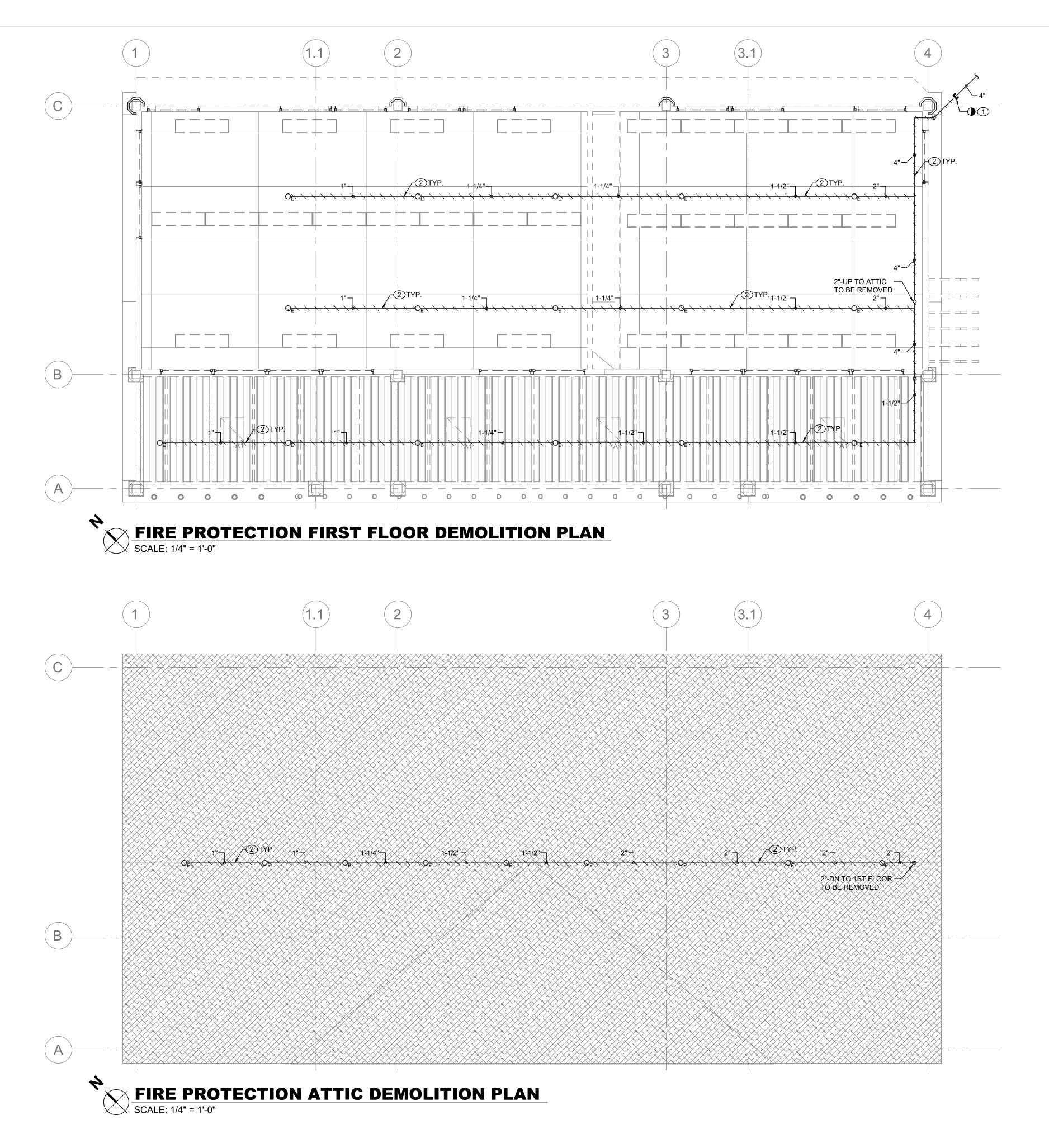
REVISION

RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED CONTRACTOR

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

AS BUILT - NO CHANGES PROJECT COORDINATOR NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK CXB - BUILDING CONVERSION



ONSULTANT SEAL

REVISION DATE MADE APP'D BY REVISION

RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED CONTRACTOR

\_\_\_\_ AS BUILT — NO CHANGES PROJECT COORDINATOR

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

FIRE PROTECTION DEMOLITION REFLECTED CEILING AND ATTIC

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **CXB - BUILDING CONVERSION** 

CONTRACT NUMBER		SHEET NUMBER			
20-530		CXB-FP	P-11		
DWG NO.:	Page 200	6 of 288			
SCALE:	AS NOT	ED			
DATE:	MAY 26, 2	2021			
DPW FILE	I-118-FP-5	594	REV.	0	

FIRE PROTECTION DEMOLITION NOTES:

1 TEMPORARILY CUT AND CAP EXISTING 4" SPRINKLER LINE FOR FUTURE CONNECTION. PATCH EXISTING OPENING TO MATCH EXTERIOR WALL FIRE RATING.

2 DEMOLISH ALL EXISTING SPRINKLER HEADS AND DRY SPRINKLER PIPING WITHIN THE BUILDING.

**GENERAL NOTES:** 

1. COORDINATE WITH FACILITY PRIOR TO SHUTDOWN OF FIRE PROTECTION SYSTEM FOR ANY

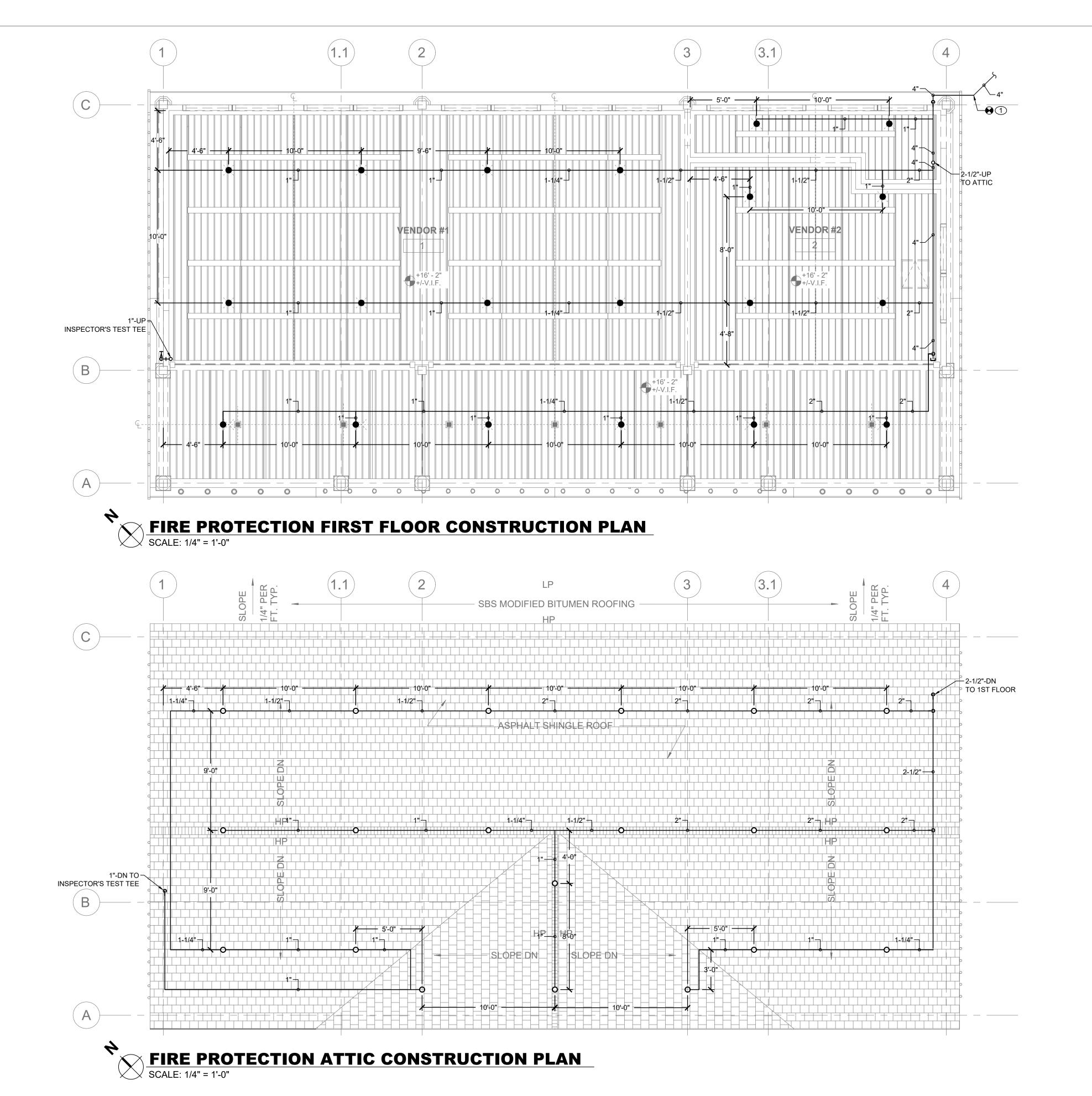
2. CONTRACTOR SHALL PROVIDE FIRE WATCH AS NEEDED FOR ALL AFFECTED BUILDINGS WHILE

3. CONTRACTOR TO COORDINATE WITH FACILITY WHEN WORKING AROUND OR ABOVE THE RIDE COMPONENTS, AND PROVIDE ALL NECESSARY MEASURES TO PROTECT THESE COMPONENTS PER

DEMOLITION AND CONSTRUCTION WORK.

SPRINKLER COVERAGE IS IMPACTED.

THE REQUIREMENTS OF THE FACILITY.



ONSULTANT SEAL SHEET NUMBER RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK 20-530 CXB-FP-22 AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING DWG NO.: **Page 207 of 288** PROJECT COORDINATOR CONTRACTOR **INFRASTRUCTURE REHABILITATION - PHASE 2** AS NOTED PLAYLAND PARK, RYE, NEW YORK MAY 26, 2021 CXB - BUILDING CONVERSION FIRE PROTECTION CONSTRUCTION REFLECTED CEILING AND ATTIC REVISION DATE MADE APP'D BY REVISION 1-118-FP-595

FIRE PROTECTION CONSTR. NOTES:

1. ALL DISTRIBUTION PIPING, SHALL BE PAINTED RED. REFER TO SPECIFICATION FOR PAINT TYPE AND APPLICATION PROCEDURE.

2. COORDINATE WITH FACILITY PRIOR TO SHUTDOWN OF FIRE PROTECTION SYSTEM FOR ANY

3. CONTRACTOR SHALL PROVIDE FIRE WATCH AS NEEDED FOR ALL AFFECTED BUILDINGS

4. CONTRACTOR TO COORDINATE WITH FACILITY WHEN WORKING AROUND OR ABOVE THE RIDE COMPONENTS, AND PROVIDE ALL NECESSARY MEASURES TO PROTECT THESE

**GENERAL NOTES:** 

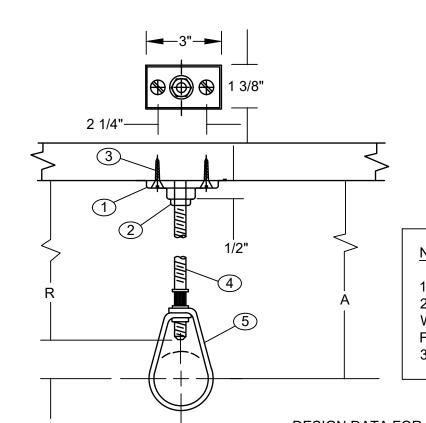
(1) RECONNECT NEW 4" SPRINKLER LINE WITH EXISTING.

DEMOLITION AND CONSTRUCTION WORK.

WHILE SPRINKLER COVERAGE IS IMPACTED.

COMPONENTS PER THE REQUIREMENTS OF THE FACILITY.

5. UPON COMPLETION, SYSTEM SHALL BE TESTED FOR PROPER OPERATION.



## **COMPONENTS**

- 1. CLIP (CEILING FLANGE) 2. HEX NUT
- 3. WOOD SCREW 4. HANGER ROD 5. ADJUSTABLE HANGER RING
- NFPA REQUIREMENTS / LIMITATIONS

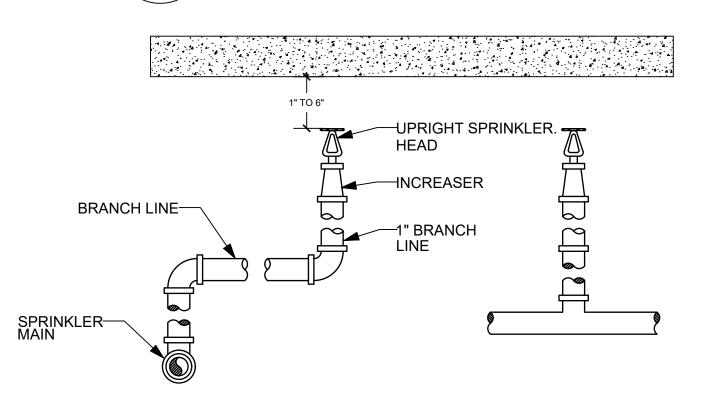
1. NFPA 13 PERMITS THE USE OF 2 SCREW CEILING FLANGES ONLY 2. HAVING DIMENSIONS NOT LESS THAN THOSE OF NO. 18 X 1 1/2" WOOD SCREWS. DRIVE SCREWS AND NAILS ARE NOT ACCEPTABLE FASTENERS AND WOOD SCREWS ARE NOT TO BE DRIVEN.

3. FOR PIPE SIZES UP TO 2" AND IT CALLS FOR THE USE OF SCREWS

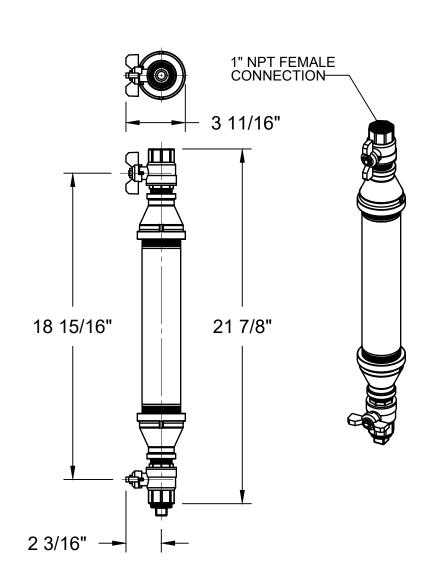
# DESIGN DATA FOR CLIP HANGERS

NOMINAL PIPE	MINIMUM A DIMENSION	HANGER TAKEOUT	ROD DIAMETER		FASTENERS
SIZE	INCHES	INCHES	INCHES	QTY	ITEMS
1/2	3 3/4	-1 1/4	3/8	1 2 1	3/8" CEILING FLANGE (CLIP) NO. 18 X 1 1/2" FLAT HEAD WOOD SCREWS 3/8" HEX NUT
3/4 1 1 1/4 1 1/2 2	3 3/4 3 3/4 4 4 4 1/4	-1 1/4 -1 1/4 -1 1/2 -1 1/2 -1 3/4	" " " "		SEE ABOVE " " " " " "

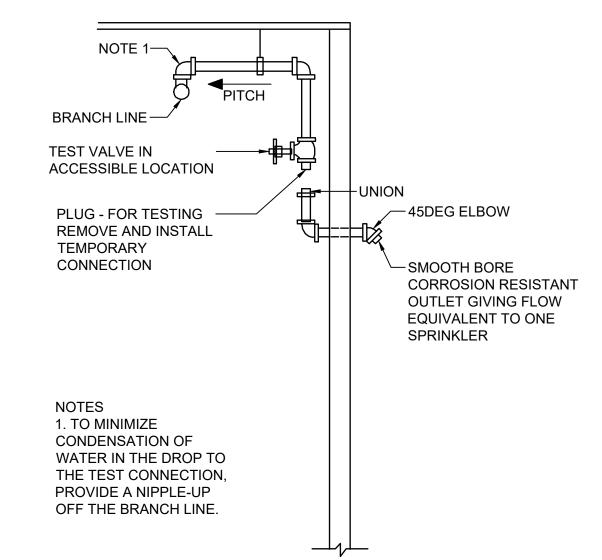




# **UPRIGHT SPRINKLER DETAIL** FP-81 / SCALE: NOT TO SCALE

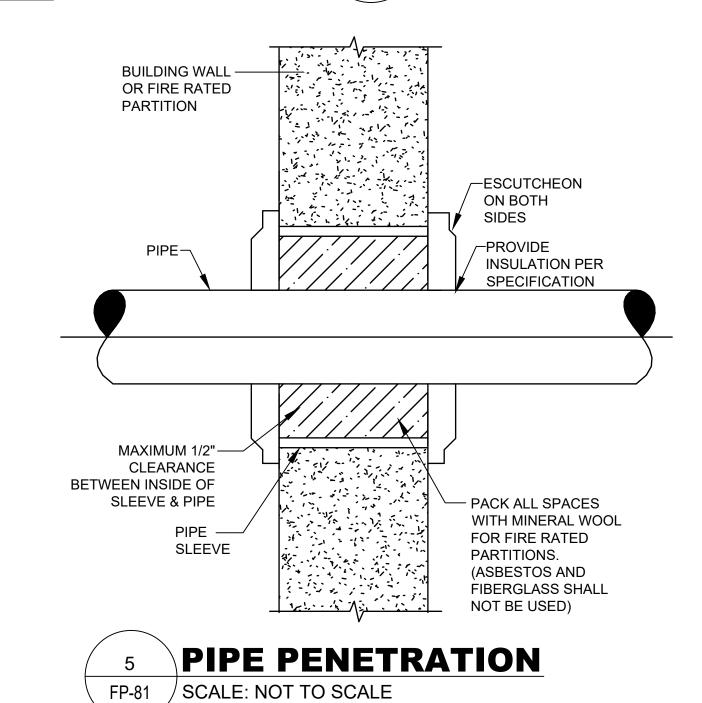


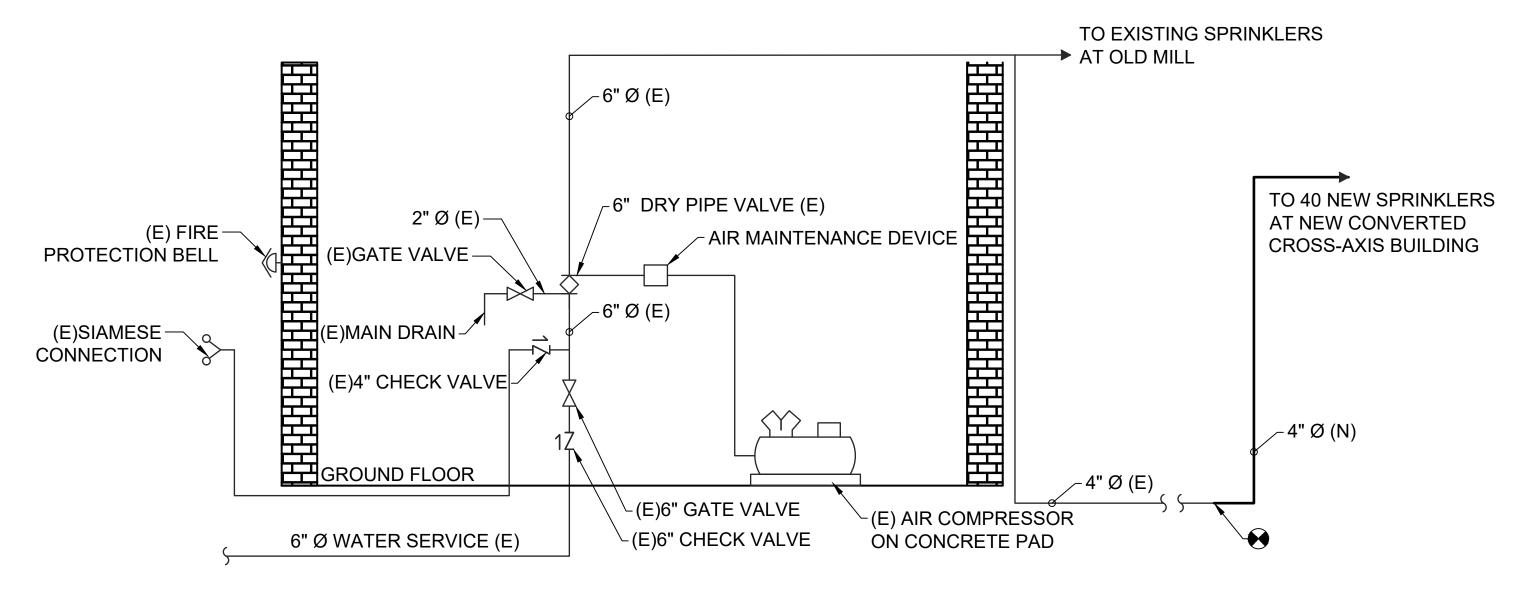






FP-81 / SCALE: NOT TO SCALE







\_\_\_\_ AS BUILT — NO CHANGES

PROJECT COORDINATOR



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CONTRACTOR	PROJEC <sup>1</sup>
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE
	CONTRACTOR  NAME

INFRASTRUCTURE REHABILITATION - PHASE 2
DIVISION OF ENGINEERING
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
MEGROLEGRED COLLIES NEW YORK

FIRE PROTECTION DETAILS

K	CONTRACT NUMBER	SHEET NUMBER			
ION	20-530	CXB-FP	<sup>2</sup> -81		
	DWG NO.: Page 208	3 of 288			
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	DATE: <b>MAY 26, 2</b>	021			
	DPW FILE 1-118-FP-5	596	REV. NO.	0	

## PLUMBING SYMBOL LIST <u>IDENTIFIER</u> **DESCRIPTION** NEW DOMESTIC COLD WATER \_\_\_\_ \_ \_ CW \_\_\_\_ \_ \_ HW NEW DOMESTIC HOT WATER \_\_\_ \_ \_ TW NEW TEMPERED WATER \_\_\_\_ S \_\_\_\_\_ NEW SANITARY PIPING (ABOVE SLAB) NEW SANITARY PIPING (UNDER SLAB) - — — - S - — — — NEW SANITARY VENT PIPING --- V ----FIELD CONNECT FIELD DISCONNECT REFER TO SUPPLEMENTAL FIGURE INDICATED BY F# NUMBER (I.E. F2 REFERS TO FIGURE 2) /XXX\ — EQUIPMENT TAG EQUIPMENT NUMBER /xxx 😽 — DETAIL TAG/CALL OUT TAG X-XXX - PLUMBING SHEET NUMBER

# PIPING ELEMENTS/VALVING

<b>*</b>	BACKFLOW PREVENTER (DOUBLE CHECK VALVE ASSEMBLY)	œ—— P-TRAP
	(DOUBLE CHECK VALVE ASSEMBLY)	———⇒ PIPE DROPPING DOWN
<u>—</u> б—	BALL VALVE	———O PIPE RISING UP
E	CAP ON END OF PIPE	—N— SWING CHECK VALVE
- CO⊢	CLEANOUT	—   TEE OUTLET DOWN
>⊠——	FLOOR DRAIN	——⊙— TEE OUTLET UP
_	GATE VALVE	——* VALVE IN RISE OR DROP
в\$	HOSE BIBB	W.C.O. WALL CLEAN OUT
凸	THERMOSTATIC MIXING VALVE	WHA ■ WATER HAMMER ARREST
$\boxtimes$	VALVE IN VALVE BOX	NFHB \$+ NON FREEZE HOSE BIBB

# **SCOPE OF WORK**

IN BOX W/VACUUM BREAKER

PLUMBING SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

REMOVAL OF EXISTING PLUMBING FIXTURES WITH ALL ASSOCIATED PIPING.

2. THE INSTALLATION OF NEW DOMESTIC WATER SUPPLY FOR OLD MILL SCENERIES.

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT .P.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING & ARCHITECTURAL DRAWINGS & VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

# **CODE REFERENCE**

2020 NEW YORK STATE BUILDING CODE 2020 NEW YORK STATE MECHANICAL CODE 2020 NEW YORK STATE PLUMBING CODE 2020 NEW YORK STATE ENERGY CONSERVATION CODE

# **LEED NOTES**

. ALL ADHESIVES, SEALANTS, PAINTS & COATINGS APPLIED TO THE INTERIOR OF THE BUILDING (WITHIN THE WEATHER PROOFING SYSTEM, INCLUDING WALL CAVITIES) MUST NOT EXCEED THE LEED VOC LIMITS. PROVIDE A VOC SUBMITTAL AND MSDS FOR ALL ADHESIVES, SEALANTS, PAINTS AND COATINGS TO BE APPLIED.

# **PLUMBING GENERAL NOTES:**

- ALL PLUMBING WORK UNDER THIS CONTRACT SHALL CONFORM TO THE LATEST EDITION OF THE PLUMBING CODE OF NEW YORK STATE (PC-NYS). THE NEW YORK STATE ENERGY CODE, AND THE REQUIREMENTS OF THE UTILITY AND THE LOCAL WATER COMPANY.
- ALL MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
- THE PLUMBING CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL LABOR AND MATERIALS SUPPLIED AND INSTALLED UNDER THIS CONTRACT AND SHALL GUARANTEE THE WORK PERFORMED UNDER THIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THIS WORK.
- PLUMBING CONTRACTOR SHALL CONSULT WITH, COOPERATE AND COORDINATE WITH THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR, SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR, ETC. IN ORDER TO MINIMIZE INTERFERENCES BETWEEN TRADES DURING PERFORMANCE OF THIS WORK.
- THE PLUMBING CONTRACTOR SHALL PREPARE AND FILE ALL REQUIRED PLANS AND PERMITS WITH THE LOCAL AUTHORITIES. PC SHALL PAY THE FILING FEES AS REQUIRED. PC SHALL OBTAIN ALL APPROVALS AND SHALL PAY FOR ALL WORK PERMITS. INSPECTIONS AND SIGN-OFFS AS REQUIRED TO EXECUTE THIS WORK IN A MANNER IN CONFORMANCE WITH THE CODES AND AUTHORITIES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL PERFORM ALL TESTS AND ARRANGE FOR ALL INSPECTIONS FOR WORK UNDER HIS CONTRACT AS REQUIRED BY LAW AND SHALL SUPPLY ALL CERTIFICATES OF INSURANCE AS REQUIRED BY THE LAW AND THE OWNER. REFER TO SECTION 107 (INSPECTIONS) OF THE PC-NYS.
- THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL PLUMBING EQUIPMENT REGARDLESS WHETHER ILLUSTRATED HEREIN WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.
- 8. PLUMBING CONTRACTOR SHALL VISIT THE SITE & BECOME FAMILIAR WITH THE EXISTING CONDITIONS, INCLUDING THE SIZE OF CONNECTIONS, ROUGHING DIMENSIONS, ETC. BEFORE SUBMITTING A QUOTATION FOR THE WORK.
- PLUMBING CONTRACTOR SHALL PERFORM ALL CUTTING, EXCAVATION, BACKFILLING, ROUGH & FINISH PATCHING AS PER THE SPECIFICATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK, UNLESS NOTED OTHERWISE.
- 10. ALL CONNECTIONS TO NEW AND/OR EXISTING EQUIPMENT SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 11. IT IS THE INTENT OF THIS CONTRACT THAT THE COMPLETED WORK BE FULLY OPERATIONAL.
- 12. ALL PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED AT INTERVALS AND BE FABRICATED OF MATERIALS AS REQUIRED BY THE PC-NYS.
- 13. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL NEW PLUMBING FIXTURES AND EQUIPMENT TO BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT FOR APPROVAL BEFORE INSTALLATION OF SAME.
- 14. WATERPROOF PIPE SLEEVES SHALL BE INSTALLED AT ALL PENETRATIONS THROUGH EXTERIOR WALLS. PIPE SLEEVES SHALL BE INSTALLED AT ALL WALL PENETRATIONS THROUGH INTERIOR WALLS AND FLOORS.
- 15. ALL PIPING SHALL BE TESTED AT A MINIMUM PRESSURE OF 1-1/2 TIMES THE MAXIMUM OPERATING PRESSURE UNLESS OTHERWISE NOTED ON THE DOCUMENTS OR THE PLUMBING CODE AND IN ACCORDANCE WITH THE UTILITY REQUIREMENTS.
- 16. ALL REMOVALS PERFORMED UNDER THIS CONTRACT SHALL INCLUDE REMOVAL OF ALL DEBRIS AND DISPOSAL AT AN APPROPRIATE SITE.
- 17. REFER TO THE ARCHITECTURAL PLANS FOR ALL STRUCTURAL DIMENSIONS.
- 18. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
- 19. ALL PIPING PENETRATIONS TO BE SEALED AROUND WITH "NELSON" FIRE SEAL.
- 20. GC IS RESPONSIBLE TO SUBMIT APPLICATION AND TAP FEES TO LOCAL WATER AUTHORITY AND HAVE OWNER FILL OUT APPLICATION UPON COMPLETION OF PLUMBING ROUGH-IN INSPECTION.
- 21. ALL PIPE DIMENSIONS ARE INSIDE CLEAR.
- 22. ALL PLUMBING FIXTURES TO HAVE ISOLATION VALVES.

# 

AE	<b>BBREVIATIONS:</b>
AD	ACCESS DOOR
BFP	BACKFLOW PREVENTER
CO	CLEAN OUT
CW	COLD WATER
DCV	DOUBLE CHECK VALVE
DFU	DRAINAGE FIXTURE UNIT
DPCO	DECK PLATE CLEAN OUT
FC	FIELD CONNECT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FU	FIXTURE UNIT
HW	HOT WATER
HWR	HOT WATER RETURN
IAW	IN ACCORDANCE WITH
IWFD	INDIRECT WASTE FUNNEL DRAIN
LAV	LAVATORY
JS	JANITOR'S SINK
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NYS-PC	NEW YORK STATE PLUMBING CODE
RD	ROOF DRAIN
S	SANITARY
SD	STORM DRAIN
TMV	THERMOSTATIC MIXING VALVE
U.O.N.	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
WC	WATER CLOSET
PC	PLUMBING CONTRACTOR
MC	MECHANICAL CONTRACTOR
TYP.	TYPICAL
VIF	VERIFY IN FIELD
WCO	WALL CLEAN OUT

WATER FIXTURE UNITS

REFERENCE ONLY. THE PRESENCE OF AN

SPECIFIC ABBREVIATIONS USED.

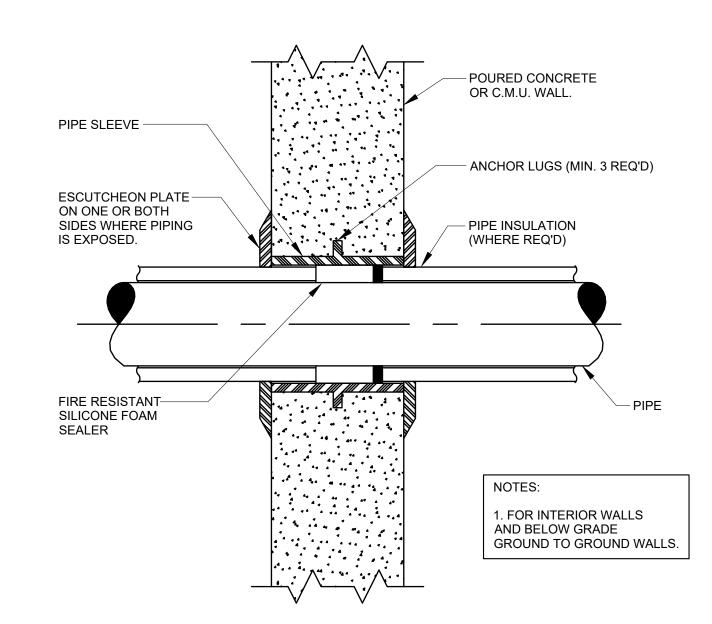
THE ABBREVIATIONS ARE SHOWN FOR GENERAL

ABBREVIATION ON THIS LIST DOES NOT IMPLY ITS

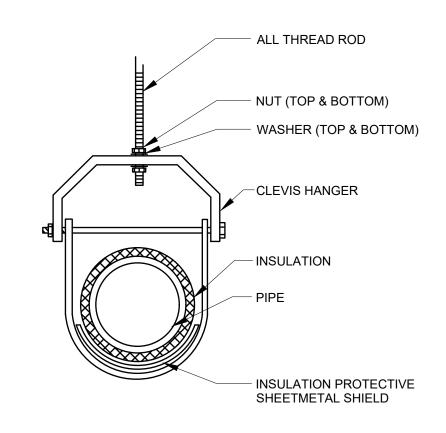
USE ON THIS PROJECT. REFER TO DRAWINGS FOR

# **PLUMBING REMOVALS NOTES:**

- 1) DEMOLITON/RELOCATIONS: CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVALS AND RELOCATIONS OF PLUMBING EQUIPMENT AND MATERIAL RELATING TO HIS/HER RESPECTIVE TRADE. INCLUDE IN BID THE COST TO PROVIDE REMOVALS OF ALL PLUMBING EQUIPMENT AND SYSTEMS ASSOCIATED WITH THE RENOVATION WORK. COORDINATE WITH OWNER ALL REMOVALS WORK TO BE PERFORMED BY OWNER.
- (2) THE CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE, ADJUST, ADAPT AND MODIFY EXISTING EQUIPMENT AND/OR SYSTEMS AS REQUIRED WHEN SUCH WORK IS UNCOVERED AND FOUND TO INTERFERE WITH COMPLETION OF WORK IN THIS CONTRACT OR OTHER CONTRACT WORK.
- (3) EXECUTE THE REMOVALS IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.
- (4) TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING BY WETTING REMOVED DEBRIS. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.
- (5) REMOVE ALL PIPE HANGERS WHEN REMOVING PIPING. PATCH SLAB AS REQUIRED.
- (6) WHERE EXISTING WALLS, FLOORS OR CEILINGS ARE REMOVED OR PENETRATED, AND WHERE EXISTING END WALLS OF THE BUILDING ARE POINTS OF CONNECTION OF ADDITIONS, ALL SERVICES, PIPING, FIXTURES SHALL BE REMOVED (AND/OR RELOCATED WHERE THEY MUST REMAIN IN SERVICE, OR SERVE, AREAS BEYOND THE IMMEDIATE WORK) CONTRACTOR SHALL FIELD VERIFY CONDITIONS AT THE SITE
- (7) PRIOR TO REMOVALS CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED, SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.
- REMOVALS SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
- (9) MAINTAIN EXISTING UTILITIES INDICATED OR REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING REMOVALS OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.
- 10) DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED
- ) REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
- (12) PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
- (13) PROTECTION:PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER. BEFORE STARTING REMOVALS OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.
- (14) USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 5) ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, HE SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR DIRECTIONS.
- (16) FIELD VERIFY REMOVALS REQUIREMENTS AND EXISTING CONDITIONS.
- (17) CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE. AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEPT CLEAN AT ALL
- (18) CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.
- (19) THIS CONTRACTOR SHALL NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING BUILDING NOR INTERFERE WITH THE SERVICES IN ANY WAY WITHOUT THE EXPRESSED PERMISSION OF THE OWNER. SUCH INTERRUPTIONS AND INTERFERENCES SHALL BE MADE AS BRIEF AS POSSIBLE AND ONLY AT THE TIME AGREED TO BY THE OWNER.
- (20) WHERE THE WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, THEY SHALL BE MADE AT TIMES AS WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE OF THE BUILDING.
- (21) THIS CONTRACTOR SHALL GIVE 72 HOUR NOTICE IN ADVANCE TO THE OWNER OF ANY REQUESTED SHUTDOWNS.
- (22) THIS CONTRACTOR SHALL ARRANGE THE WORK CONTINUOUSLY TO ASSURE THAT SERVICES WILL BE SHUTDOWN AND RECONNECTED ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS EXISTING WORK.
- (23) TO INSURE CONTINUOUS OPERATION, MAKE ALL NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. ALL COSTS RESULTING FROM TEMPORARY SHUTDOWNS BORNE BY THIS CONTRACTOR.
- (24) ANY AND ALL REQUIRED REMOVALS WORK TO BE PERFORMED ABOVE EXISTING SUSPENDED CEILINGS AND FURRED OUT WALLS SHALL BE DONE AT THE TIME WHEN THE EXISTING CEILINGS AND FURRED OUT WALLS ARE REMOVED BY THE CONTRACTOR. COORDINATE SCHEDULING TO AVOID DISTURBING RECENTLY FINISHED WORK.



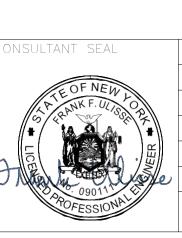
# PIPE SLEEVE THROUGH WALL DETAIL / SCALE: NOT TO SCALE



**TYPICAL CLEVIS HANGER DETAIL** P-01 / SCALE: NOT TO SCALE

PLUMBING DRAWING LIST								
SHEET NO.	SHEET NAME	REVISON NO.	REVISION DATE					
CXB-P-01 PLU	UMBING NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST	0	-					
CXB-P-11 PLU	UMBING DEMOLITION PLANS	0	-					





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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	TITLE

RECORD DRAWING CERTIFICATION 7 AS BUILT - CHANGES AS NOTED CONTRACTOR

\_\_\_\_\_ DATE \_\_\_\_

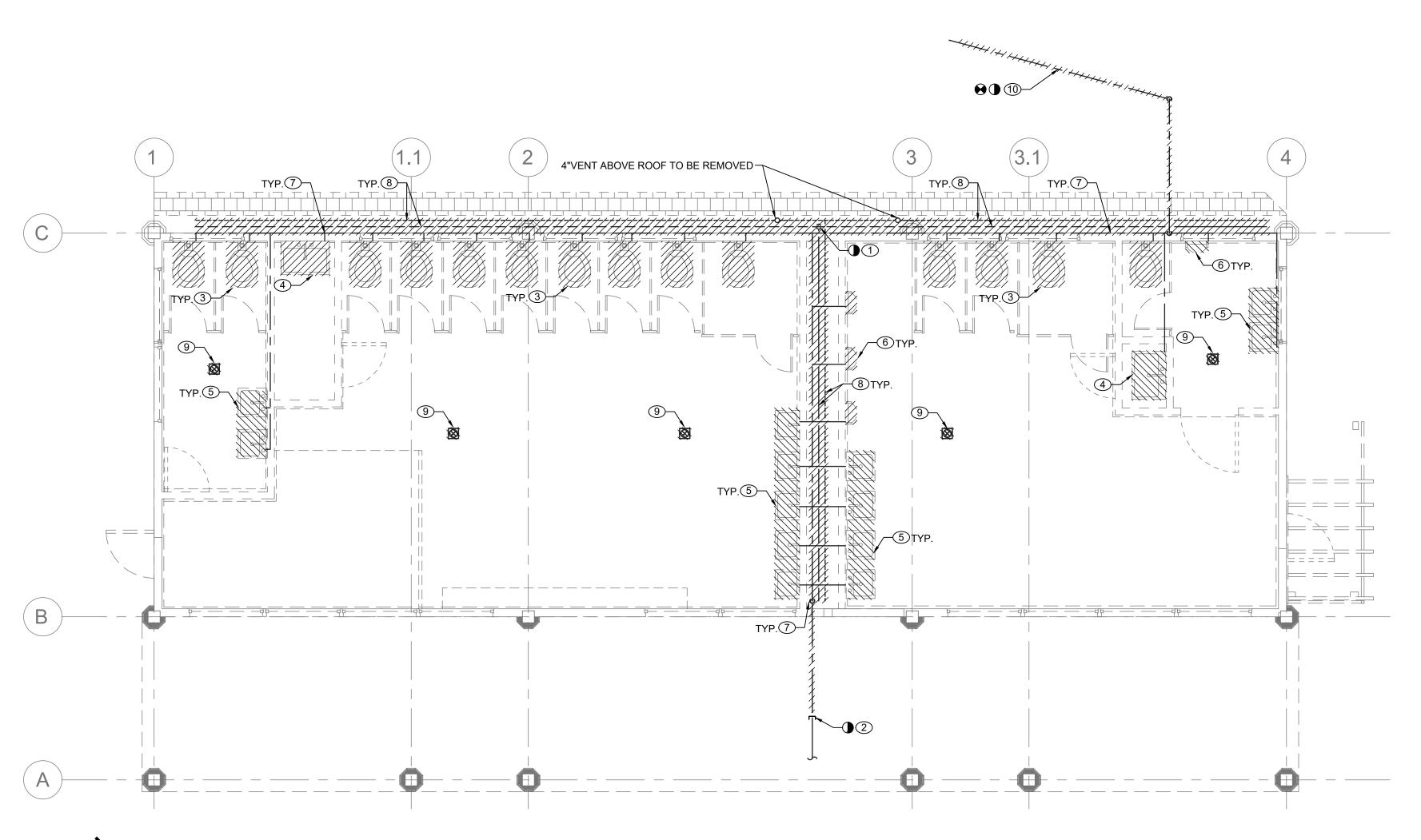
PROJECT COORDINATOR NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

AS BUILT - NO CHANGES

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

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK CXB - BUILDING CONVERSION PLUMBING NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST

NUMBER 20-530 CXB-P-01 DWG NO.: Page 209 of 288 AS NOTED **MAY 26, 2021** 1-118-P-597



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AS BUILT - CHANGES AS NOTED \_\_\_\_ AS BUILT — NO CHANGES PROJECT COORDINATOR CONTRACTOR

RECORD DRAWING CERTIFICATION

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** 

PLAYLAND PARK, RYE, NEW YORK **CXB - BUILDING CONVERSION** 

PLUMBING DEMOLITION PLANS

SHEET NUMBER NUMBER 20-530 CXB-P-11 DWG NO.: **Page 210 of 288** AS NOTED MAY 26, 2021 <sup>1</sup> 1-118-P-598

# **PLUMBING DEMOLITION NOTES:**

- (1) CONTRACTOR CUT AND CAP UNDERGROUND EXISTING SANITARY SERVICE 5 FEET FROM AREA OF WORK. FOR CONTINUATION AND MORE DETAILS REFER TO CIVIL DRAWINGS.
- 2 CONTRACTOR CUT AND CAP UNDER DECK EXISTING 2" DOMESTIC WATER SERVICE BACK TO SOURCE OUTSIDE OF AREA OF WORK. PROTECT EXISTING WATER SERVICE TO OTHER STRUCTURES DURING
- 3 DISCONNECT AND REMOVE EXISTING WATER CLOSET WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS
- 4) DISCONNECT AND REMOVE EXISTING SERVICE SINK WITH ALL ASSOCIATED PIPING SUPPORTS AND TRIMS (TYPICAL FOR ALL).
- 5 DISCONNECT AND REMOVE EXISTING LAVATORY WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS (TYPICAL FOR ALL).

6 DISCONNECT AND REMOVE EXISTING URINAL WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS

- 7 REMOVE ALL EXISTING DOMESTIC COLD WATER PIPING (TYPICAL).
- 8 REMOVE ALL EXISTING BELOW AND ABOVE GROUND SANITARY AND VENT PIPING (TYPICAL).
- 9 DISCONNECT AND REMOVE EXISTING FLOOR DRAINS WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS (TYPICAL FOR ALL).
- (10) DISCONNECT AND REMOVE 3/4" COLD WATER SUPPLY FOR OLD MILL SCENERIES AND PROVIDE NEW POINT OF CONNECTION FROM CARPENTER'S SHOP, EXACT LOCATION VERIFY IN FIELD.

# **GENERAL NOTES:**

(TYPICAL FOR ALL).

- 1. ALL EXISTING PIPING ARE SHOWN AS A REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES FOR ALL EXISTING SERVICES PRIOR TO DEMOLITION.
- 2. COORDINATE WITH FACILITY PRIOR TO SHUTDOWN OF DOMESTIC WATER SYSTEM FOR ANY DEMOLITION AND CONSTRUCTION WORK.

# MECHANICAL GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE PURCHASED AND INSTALLED IN ACCORDANCE WITH ALL NATIONAL & NEW YORK STATE CODES AND REGULATIONS (AS WELL AS ALL APPLICABLE LOCAL CODES & REGULATIONS). THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL HVAC WORK IS PROVIDED AND INSTALLED IN STRICT ACCORDANCE WITH SEISMIC
- 2. DO NOT SCALE FROM THESE DRAWINGS.
- 3. THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL. ELECTRICAL, PLUMBING, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL SYSTEMS. DURING SHOP DRAWINGS SUBMISSIONS, SHOW ALL MOUNTING HEIGHTS OF DUCTWORK, UNITS, ETC.
- VERIFY ALL EQUIPMENT VOLTAGES WITH THE ELECTRICAL DESIGN PRIOR TO ORDERING EQUIPMENT.
- 5. PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.
- 6. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET STEEL IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE ASHRAE, NFPA, AND SMACNA GUIDE RECOMMENDATIONS. ALL DUCTS TO HAVE PITTSBURGH TYPE LOCK FOR LONGITUDINAL SEAMS AND DRIVE SLIP / "S" SLIP FOR TRANSVERSE JOINTS. "DUCT-MATE" JOINT SYSTEM IS ACCEPTABLE IN LIEU OF PRIOR SEAM SYSTEMS. SIZES AS SHOWN INDICATE INSIDE CLEAR DIMENSIONS OF THE AIR PASSAGE. DUCTWORK SHALL BE FULLY INSULATED AS PER APPLICABLE CODES AND WRITTEN SPECIFICATIONS.
- DUCT SIZES MUST BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE CONSTRUCTION AS LONG AS EFFECTIVE CROSS-SECTIONAL AREA IS MAINTAINED. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH A SLOPE OF 1' TO 4". ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE REVIEWED BY ENGINEER DURING THE SHOP DRAWING PROCESS.
- PROVIDE MANUAL BALANCING DAMPERS AS REQUIRED TO PROPERLY BALANCE EACH INDIVIDUAL AIR DISTRIBUTION SYSTEM. IF THE LOCATION OF THE BALANCING DAMPER IS NOT DEFINED ON THE DRAWINGS, THE FOLLOWING MINIMUMS STANDARDS SHALL GOVERN. ALL SUPPLY, RETURN, AND EXHAUST MAIN BRANCHES FROM TRUNKS, EACH SPLIT AND ALL SUB- BRANCHES FROM MAIN SHALL INCORPORATE BALANCING DAMPERS.
- 9. PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTORS SHALL BE INSTALLED IN CLOSE PROXIMITY TO SUCH EQUIPMENT.
- 10. PROVIDE FIRE DAMPERS WITH RATED ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS, SMOKE AND FIRE STOPPING. SHAFT, FLOORS, RATED CEILINGS AND PARTITIONS AS REQUIRED TO MAINTAIN ARCHITECTURAL FIRE RATINGS. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR LOCATIONS AND FIRE RATING REQUIREMENTS. MC MUST FULLY REVIEW ALL ARCHITECTURAL AND ENGINEERING DRAWINGS AND VISIT THE SITE PRIOR TO SUBMITTING THE BID. NO EXTRAS WILL BE ALLOWED.
- 11. ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE HVAC CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE HVAC CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
- 12. ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND NEOPRENE-IN-SHEAR HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.
- 13. THE CONTRACTOR MUST CONTRACT AN INDEPENDENT NEBB CERTIFIED AIR BALANCING & TESTING COMPANY TO PERFORM THE AIR BALANCING WORK AND ASSOCIATED SYSTEM AIR BALANCING REPORT. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES, REGULATIONS, PLANS AND WRITTEN SPECIFICATIONS. SUBMIT THE FINAL AIR BALANCE REPORT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, AS DETERMINED BY THE G.C. AND OWNER/CLIENT. THE AIR BALANCE REPORT MUST INCLUDE ALL SUPPLY, RETURN, & EXHAUST AIR TERMINALS, FRESH AIR (OUTSIDE AIR) INTAKE AND VENTILATION EXHAUST CFM RATES FOR ALL UNITS. ALSO INCLUDE ACTUAL SUPPLY & RETURN AIR VELOCITY & STATIC PRESSURE READINGS ALONG WITH ALL MOTOR AMPERAGES FOR ALL UNITS.
- 14. THE CONTRACTOR IS TO INCLUDE IN THEIR BID ALL LOW VOLTAGE CONTROL WIRING, THERMOSTATS, RELAYS, TRANSFORMERS, STARTERS ETC FOR A COMPLETE OPERATING CONTROL SYSTEM AS DESCRIBED IN THE SEQUENCE OF OPERATIONS. (MC) IS ALSO RESPONSIBLE FOR LINE VOLTAGE CONTROL FOR EXHAUST FANS CONTROLLED FROM LIGHT SWITCH AND THERMOSTATS, ALL CONTROL WIRING IN THE AREAS THAT DO NOT HAVE DROPPED CEILINGS THE (MC) MUST PROVIDE ALL CONTROL WIRING CONDUIT. IN AREAS OF DROPPED CEILING PLENUM RATED CONTROL WIRING CAN BE RUN EXPOSED ABOVE
- 15. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

# **CODE REFERENCE**

2020 NEW YORK STATE BUILDING CODE

2020 NEW YORK STATE MECHANICAL CODE 2020 NEW YORK STATE ENERGY CONSERVATION CODE

# MECHANICAL DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF MECHANICAL EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.

2. THE CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE, ADJUST, ADAPT AND MODIFY EXISTING EQUIPMENT AND/OR SYSTEMS AS REQUIRED WHEN SUCH WORK IS UNCOVERED AND FOUND TO INTERFERE WITH COMPLETION OF WORK IN THIS CONTRACT OR OTHER CONTRACT WORK.

3. EXECUTE THE DEMOLITION IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.

4. TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING BY WETTING DEMOLISHED DEBRIS. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.

5. PRIOR TO DEMOLITION, CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED, SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.

6. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE.

7. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED. PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.

9. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.

10. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.

11. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.

12. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS.

13. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.

14. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE

NOTES ARE INDICATED IN NOTE FORM.

NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS. 14. USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND

DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. 15. FIELD VERIFY DEMOLITION REQUIREMENTS AND EXISTING CONDITIONS. DEMOLITION

16. CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE. AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEPT CLEAN AT ALL TIMES.

17. CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

# **SCOPE OF WORK**

## DEMOLITION

REMOVE EXISTING EXHAUST FANS AND ASSOCIATED DUCTWORK, CONTROLS AND ACCESSORIES.

# **HVAC SYMBOL LIST** <u>IDENTIFIER</u> DESCRIPTION ── NEW DUCTWORK OR PIPING EXISTING DUCTWORK OR PIPING TO BE REMOVED EXISTING DUCTWORK OR EXISTING DUCTWORK OR PIPING TO REMAIN → HEAT TRACE PIPE DOUBLE-LINE AND SINGLE-LINE RECTANGULAR DUCT, FIRST 24X12 NUMBER INDICATES SIDE IN VIEW IN INCHES, SECOND NUMBER INDICATES SIDE IN DEPTH IN $\mathcal{M}$ FLEXIBLE DUCTWORK REGULAR SUPPLY AIR DUCT (UP AND DOWN) REGULAR RETURN AIR DUCT (UP AND DOWN) REGULAR EXHAUST AIR DUCT (UP AND DOWN) REGULAR OUTSIDE AIR DUCT (UP AND DOWN) VOLUME DAMPER -VD --- BD BACKDRAFT DAMPER <del>- </del>(∑) MOTOR OPERATED DAMPER - EQUIPMENT TAG EQUIPMENT NUMBER - DETAIL TAG/CALL OUT TAG MECHANICAL SHEET NUMBER THERMOSTAT EXHAUST GRILLE REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)

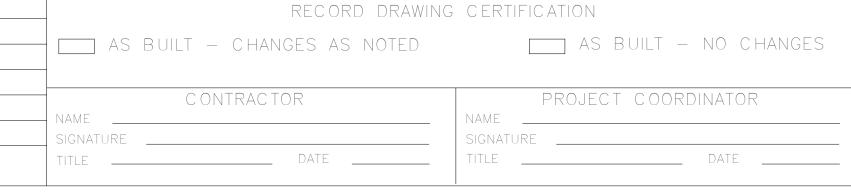
# HVAC ARREVIATIONS

IDENTIFIER	DESCRIPTION
AC	DIRECT EXPANSION AIR CONDITION UNIT
CFM	CUBIC FEET PER MINUTE
COND	CONDENSATE
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DB	DRY BULB
DN	DOWN
EA	EXHAUST AIR
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EUH	ELECTRIC UNIT HEATER
EER	ENERGY EFFICIENCY RATIO
EG	EXHAUST GRILLE
FAI	FRESH AIR INTAKE
GC	GENERAL CONTRACTOR
MBH	THOUSAND BTU PER HOUR
PC	PLUMBING CONTRACTOR
RG	RETURN GRILLE
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SD	SUPPLY DIFFUSER
TYP.	TYPICAL
VIF	VERIFY IN FIELD

IFORMATION A LiRo Group Company

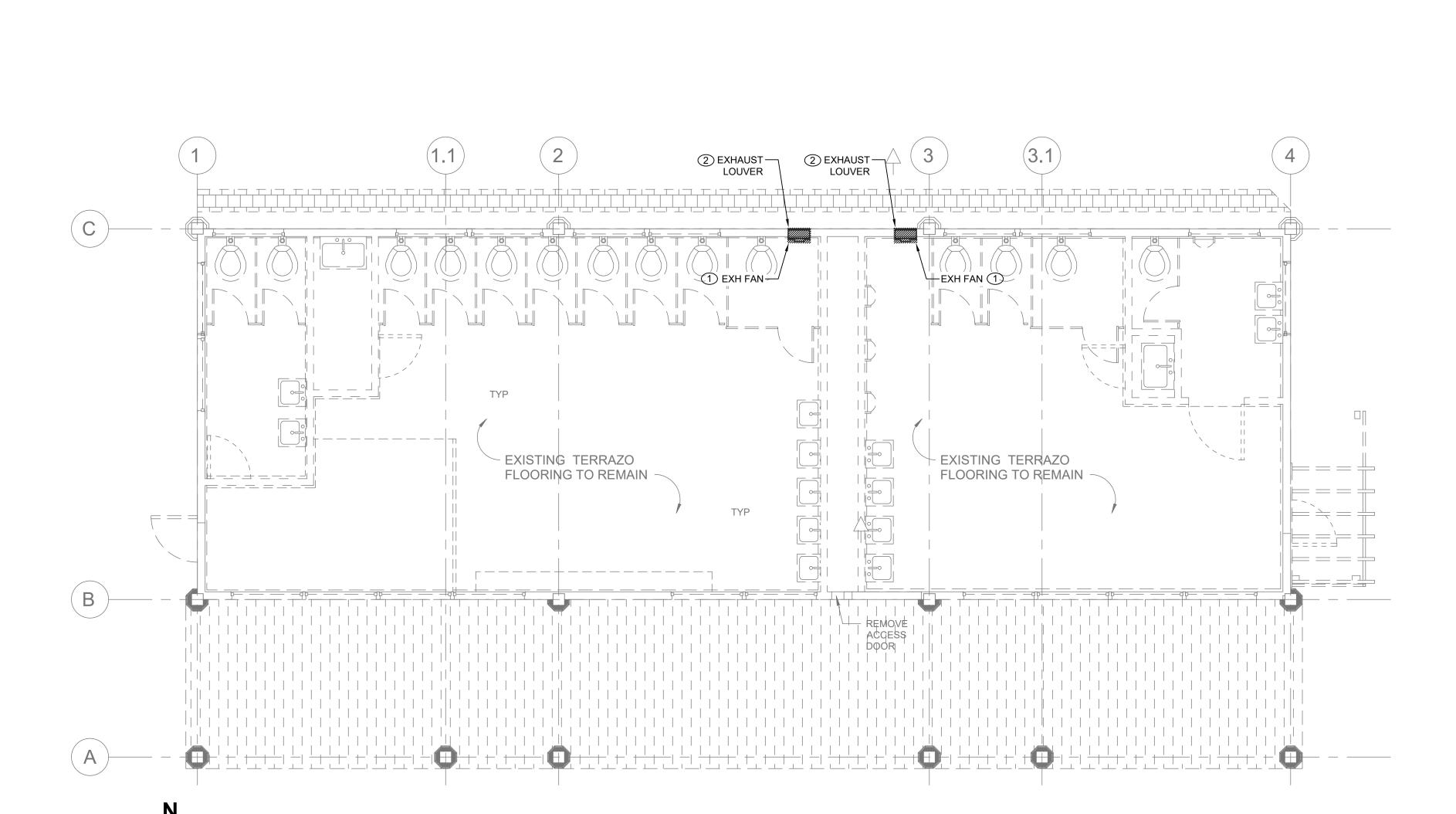
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **CXB - BUILDING CONVERSION** MECHANICAL, SYMBOLS, ABBREVIATIONS AND DRAWING LIST

	CONTRACT NUMBER	SHEET NUMBER			
J	20-530	CXB-M-01			
	DWG NO.:	211 of 288			
	SCALE: AS NOT	ΓED			
	DATE: <b>MAY 26, 2</b>	2021			
	DPW FILE 1-118-M-5	99	REV.	0	



REVISION

RECORD DRAWING CERTIFICATION

\_\_\_\_ AS BUILT — NO CHANGES

AS BUILT — CHANGES AS NOTED

CONTRACTOR

MECHANICAL FIRST FLOOR FLOOR DEMOLITION PLAN

MADE APP'D BY BY

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

WESTCHESTER COUNTY, NEW YORK 20-530 CXB-M-11 DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION Page 212 of 288 DWG NO.: **INFRASTRUCTURE REHABILITATION - PHASE 2** SCALE: AS NOTED PLAYLAND PARK, RYE, NEW YORK MAY 26, 2021 MECHANICAL DEMOLITION FIRST FLOOR PLAN DPW FILE 1-118-M-600

DIVISION OF ENGINEERING

**CXB - BUILDING CONVERSION** 

**MECHANICAL DEMOLITION NOTES:** 

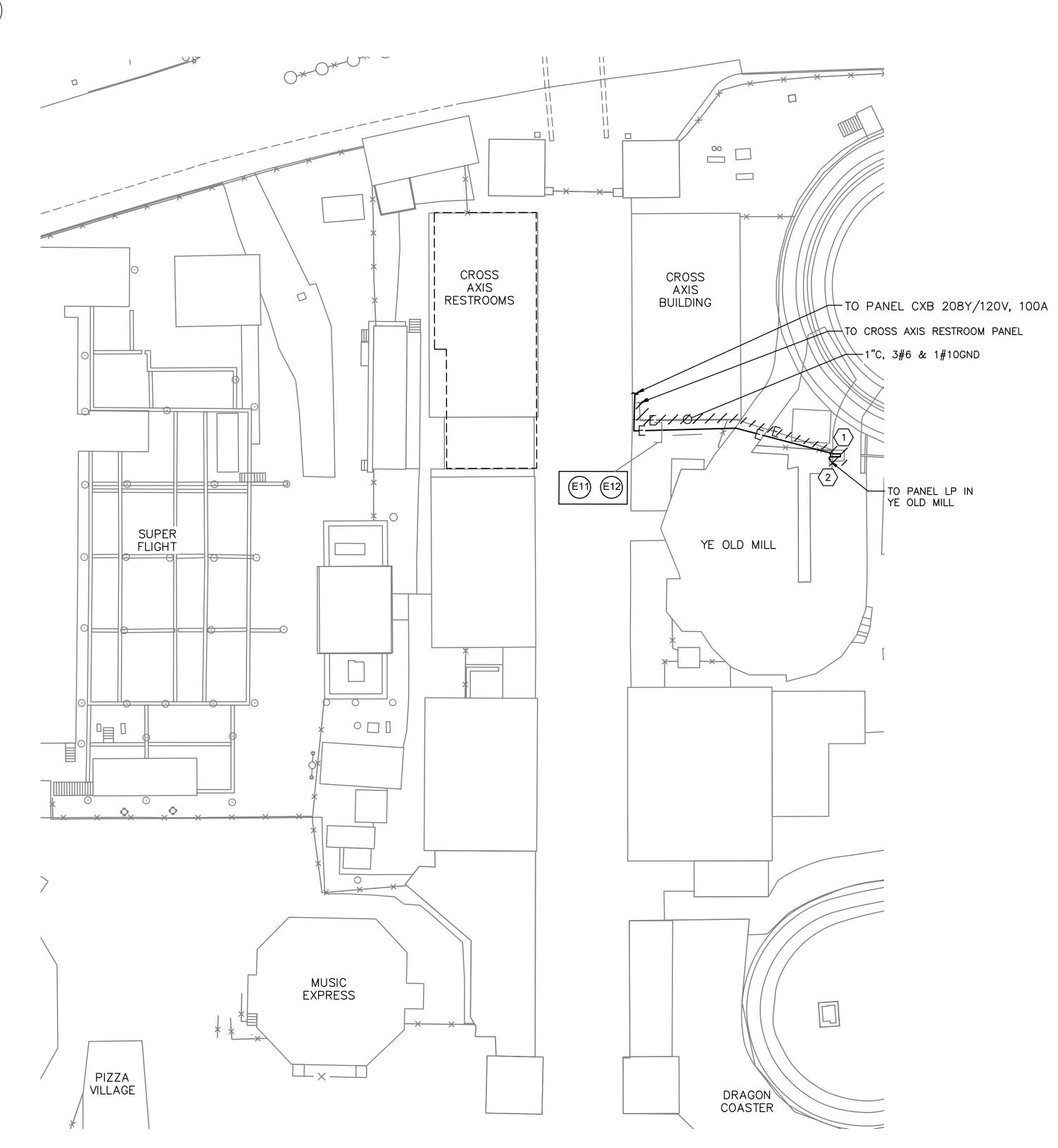
1 DEMOLISH EXISTING WALL MOUNTED PROPELLER FAN

(2) DEMOLISH EXISTING EXHAUST LOUVER AND ASSOCIATED SLEEVE.

LiRo Engineers, Inc.

A LiRo Group Company

Syosset, N.Y. 516-214-8157[T]



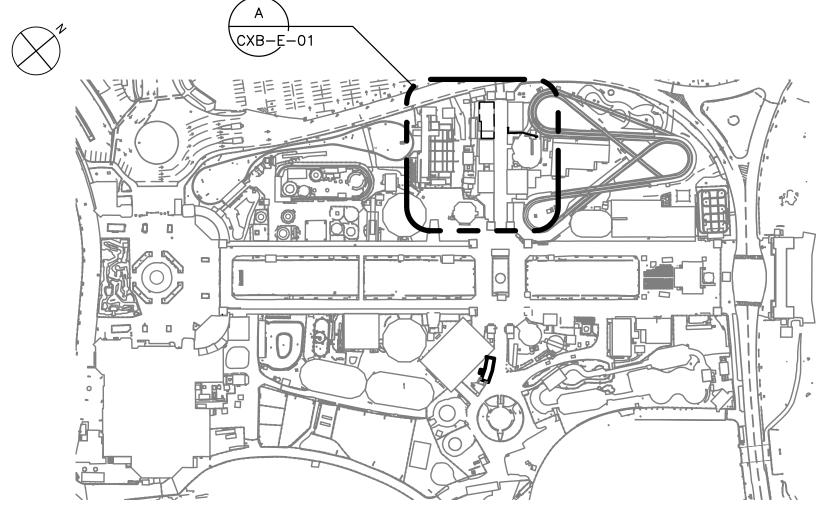
# PARTIAL SITE PLAN SCALE: 1" = 20'

# NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. FOR PANEL SCHEDULES, SEE DWG CXB-E-03 AND DWG CXB-E-06.

# KEY NOTES:

- (1) CONTRACTOR SHALL DEMOLISH ALL CABLE, CONDUIT AND BREAKER ASSOCIATED WITH CROSS AXIS RESTROOM PANEL FROM SOURCE PANEL -LP LOCATED IN YE OLD MILL. FOR BIDDING PURPOSES, ASSUME IT IS WITH 1" CONDUIT WITH 3#6 AND 1#10 GROUND.
- 2 CONTRACTOR SHALL FURNISH AND INSTALL NEW 100 AMP BREAKER IN PANEL -LP TO FEED THE NEW PANEL -CXB IN CROSS AXIS BUILDING. CONTRACTOR SHALL UTILIZE THE POSITION OF THE EXISTING BREAKER BEING DEMOLISHED. EXISTING PANEL IS MANUFACTURED BY SQUARE D. PROVIDE NEW BREAKER TO MATCH THE EXISTING AIC RATING.



KEY PLAN

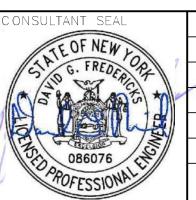
SCALE: 1" = 200'

SCALE: 1" = 200'-0"

Savin Engineers, P.C.

PANEL-CXB

PANEL-CXB



ONSULTANT SEAL	
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SAN G. FREDERICA	
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Z CONTRACTOR OF THE PARTY OF TH	
086076	<b>-</b>
OF ORESSIONAL FEBRUARY	I RE
	110

**DUCTBANK SCHEDULE** 

PANEL-LP

PANEL-LP

CABLE

2"C 4#1/0, 1#6 GND

2"C PULL ROPE

REMARKS

POWER

SPARE

TEOF NEW LO						-
G. FREDER P.						
						NAM!
0000/0						SIGN
POFESSIONAL	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	TITLE

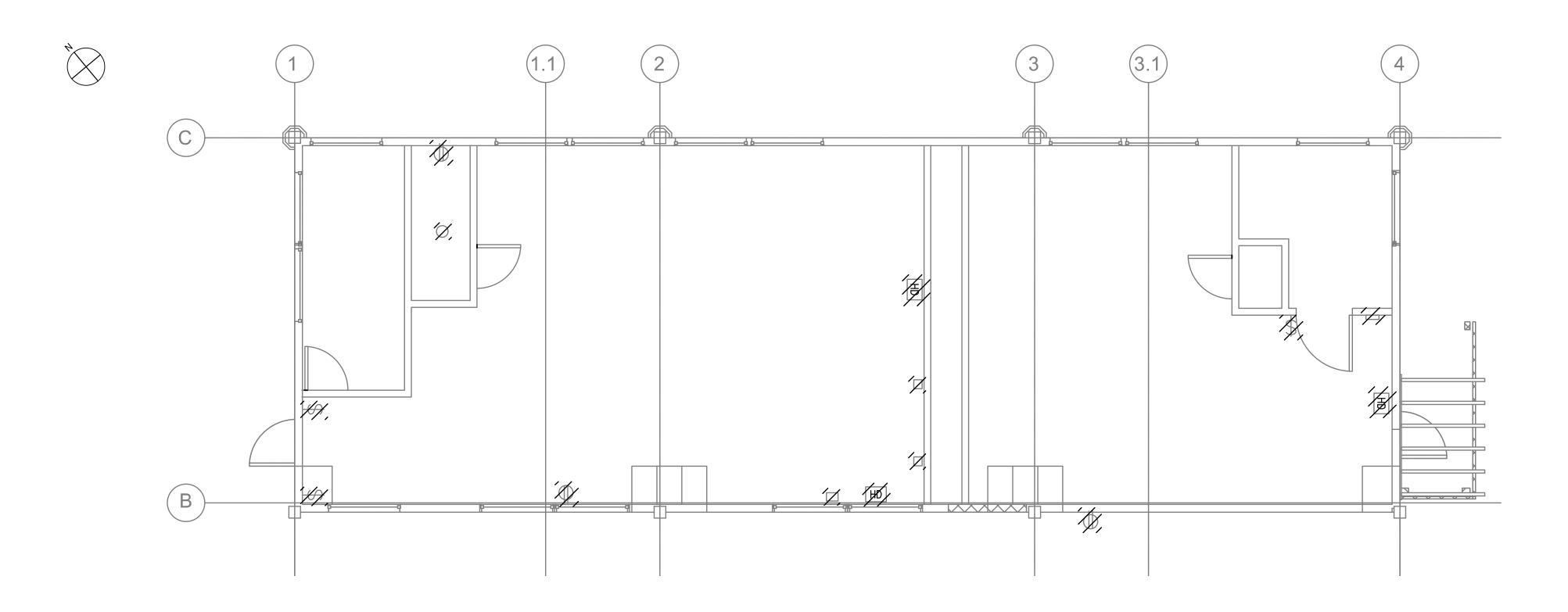
			REC	ORE	) DRAWING	CERTIFI
AS	BUILT	_	CHANGES	AS	NOTED	
	С	ON.	TRACTOR			

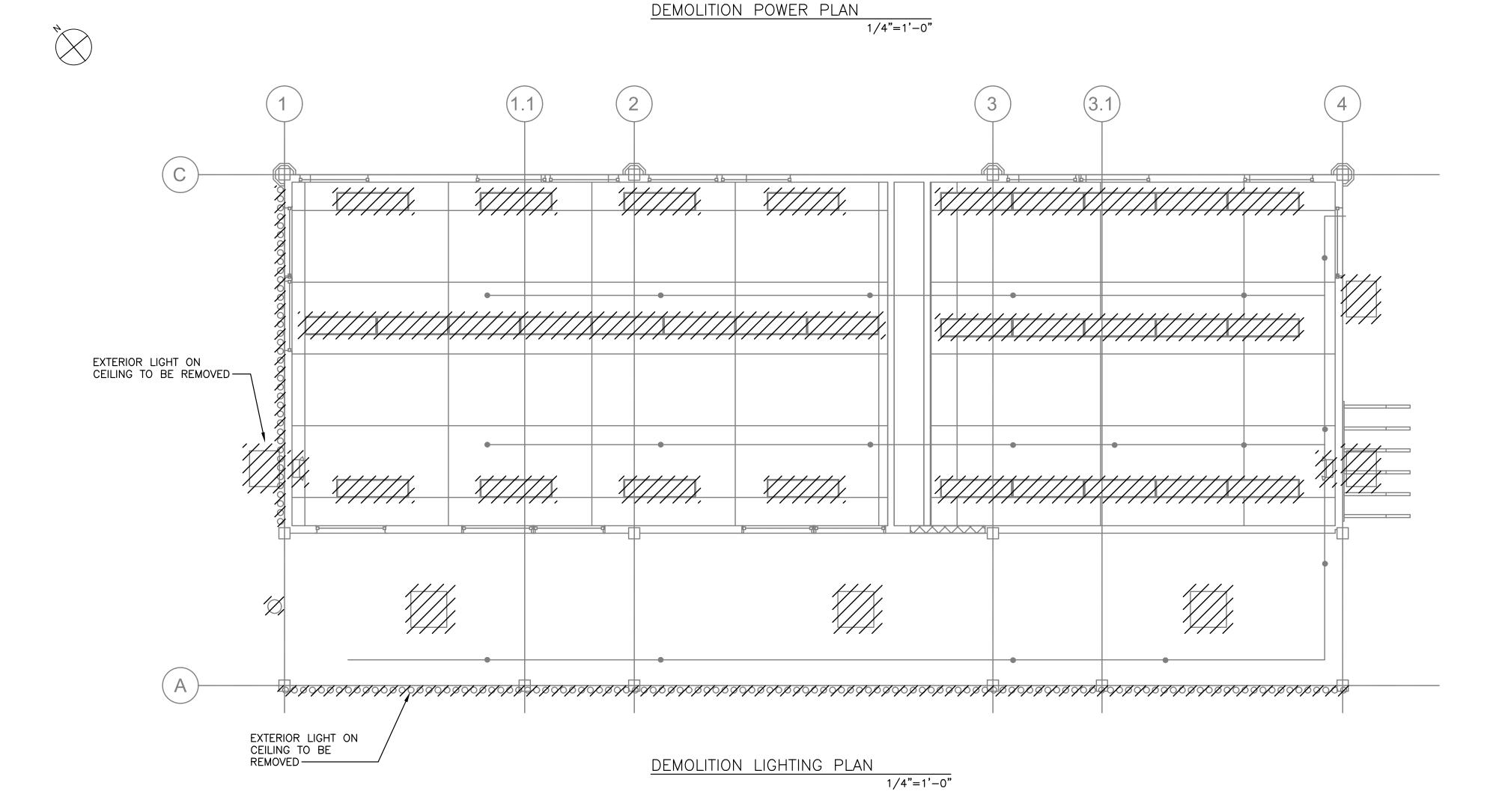


WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK CXB - BUILDING CONVERSION SITE DUCTBANK PLAN

	CONTRACT NUMBER	SHEET NUMBER
N	20-530	CXB-E-01
	DWG NO.: Page 21	3 of 288
	SCALE: AS SHOW	VN
	DATE: <b>MAY 26, 2</b>	2021
	DPW FILE 1-118-E-0	REV. NO. 0
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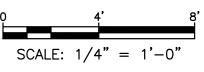
NAME





# NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. ALL REMOVED EQUIPMENT SHALL BE RETURNED TO OWNER UPON REQUEST. OTHERWISE ALL REMOVED MATERIAL SHALL BE LEGALLY DISPOSED OF.
- 3. DISCONNECT AND REMOVE ALL ASSOCIATED LIGHTING POWER, CONTROL WIRE AND CONDUIT BACK TO SOURCE. ABANDON CONCEALED LIGHTING IN PLACE.
- 4. ALL EXISTING CABLE AND CONDUIT SHALL BE DOCUMENTED PRIOR TO REMOVAL.
- 5. ALL ASSOCIATED CIRCUITING TO BE DEMOLISHED FOR ALL EQUIPMENT SHOWN SHALL ASSUME TO BE 3/4" CONDUIT WITH 2#12 AND 1#12 GROUND, UNLESS OTHERWISE NOTED AND SHALL BE DEMOLISHED BACK TO CROSS AXIS RESTROOM PANEL.
- 6. CONTRACTOR SHALL DEMOLISH THE CROSS AXIS RESTROOM PANEL IN MEN'S RESTROOM. DEMOLISH ALL ASSOCIATED CABLE AND CONDUIT BACK TO THE SOURCE PANEL —LP LOCATED IN YE OLD MILL. FOR BIDING PURPOSES, ASSUME 250 FEET OF 1" CONDUIT WITH 3#6 AND 1#10 GROUND.



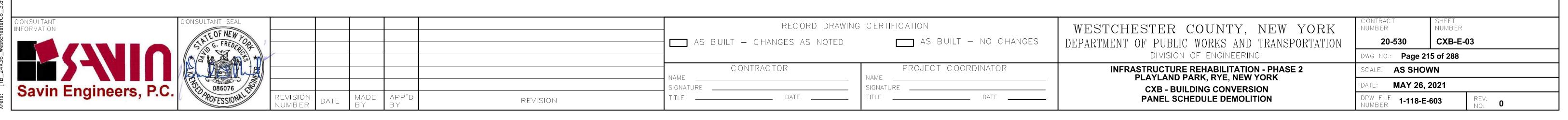
C ONSULTANT INFORMATION	CONSULTANT SEAL					RECORD DRAWI	ING CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	C ONTRACT NUMBER	SHEET NUMBER
estronomic destronomic destron	SA G. FREDER OF					AS BUILT — CHANGES AS NOTED	AS BUILT — NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	20-530	CXB-E-02
	A STANDED TO							DIVISION OF ENGINEERING	DWG NO.: Page	214 of 288
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK	SCALE: AS SHO	OWN
Savin Engineers, P.C.	086076					SIGNATURE	SIGNATURE	CXB - BUILDING CONVERSION	DATE: MAY 26	6, 2021
Savin Engineers, P.C.	PROFESSIONAL	REVISION NUMBER DATE	MADE APP'D BY BY	F	EVISION	TITLE DATE	TITLE DATE	DEMOLITION PLAN	DPW FILE 1-118-	REV. NO. 0

 FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.

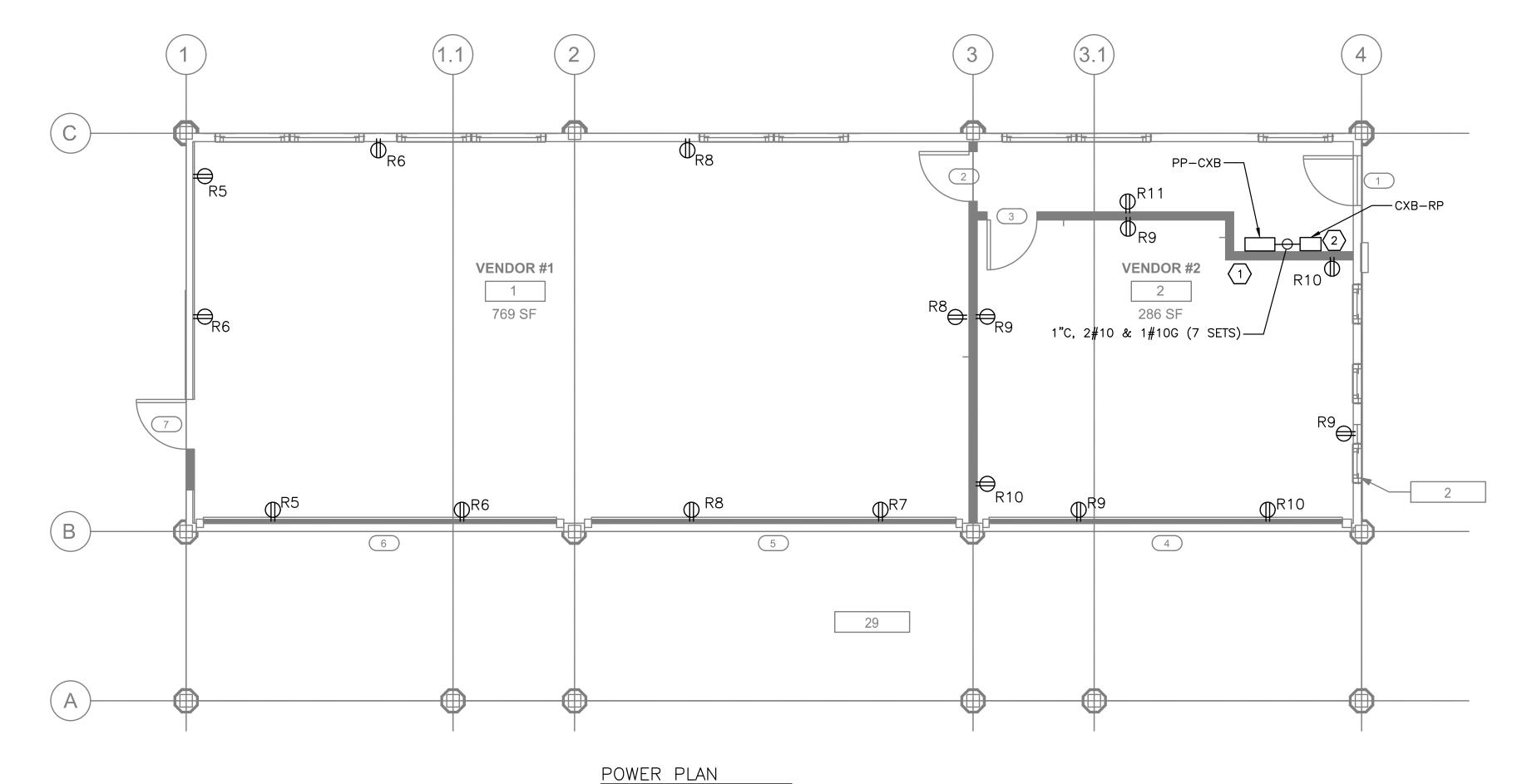
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DEMOLITION PANEL SCHEDULE N.T.S.

PANEL SCHEDULE N.T.S.







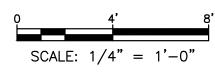
1/4"=1'-0"

# NOTES:

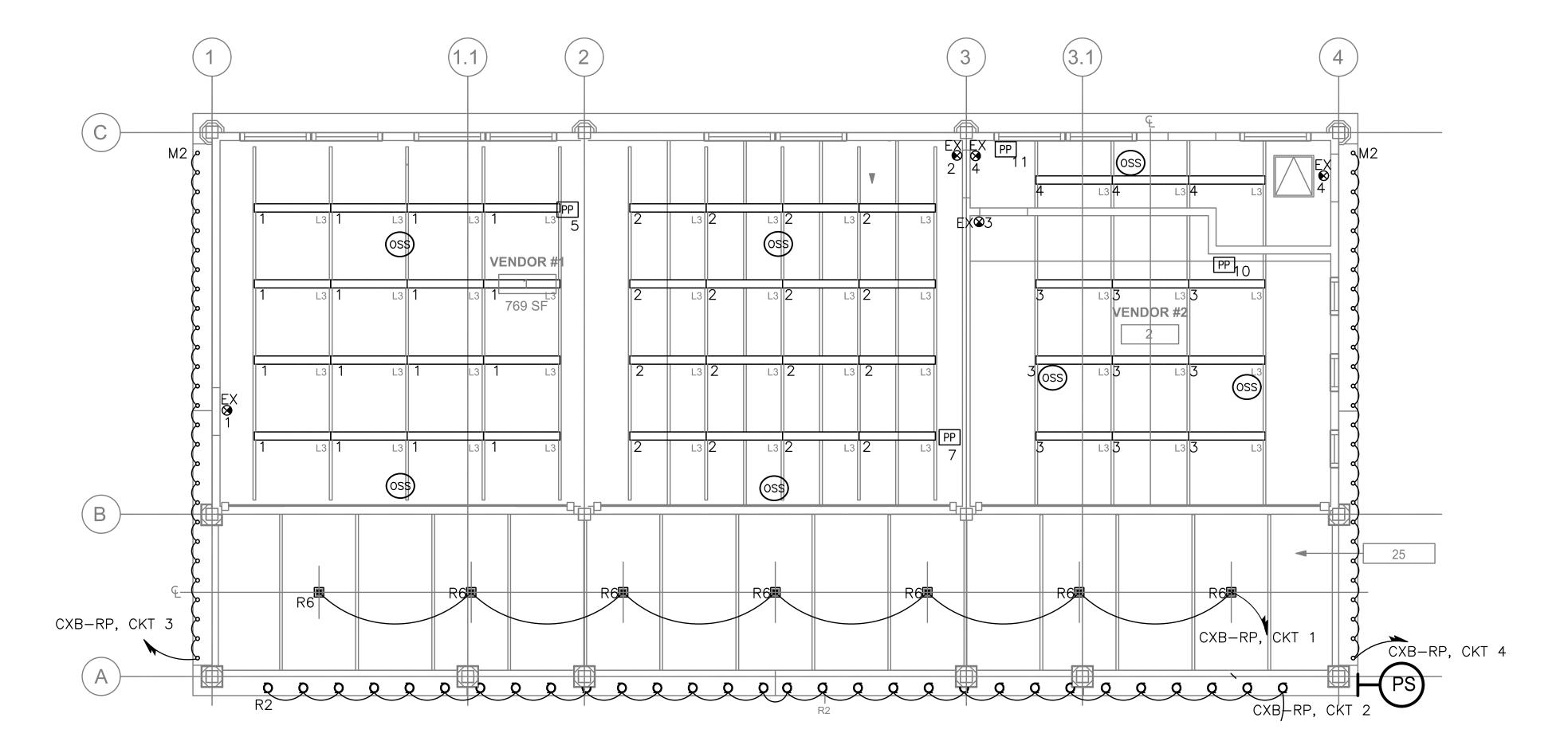
- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. NEW CABLE AND CONDUIT SHALL BE INSTALLED CONCEALED.
- 3. FOR LIGHTING/POWER PANEL SCHEDULE, REFER TO DRAWING CXB-E-06.
- 4. ALL RECEPTACLES SHALL BE WIRED BACK TO PP-CXB.
- 5. NUMBER DESIGNATORS NEXT TO RECEPTACLES AND/OR CONTROLS INDICATE CIRCUIT NUMBERS.

# KEY NOTES:

- PROVIDE 208Y/120 VOLT, 3-PHASE PANEL WITH 200 AMP MAINS AND 100 AMP MAIN BREAKER. SEE DRAWING CXB-E-01 FOR INCOMING FEEDER INFORMATION.
- PROVIDE RELAY LIGHTING PANEL AND PROVIDE CABLE AND CONDUIT TO POWER PANEL LOCATED IN ELECTRICAL ROOM. POWER CIRCUITS TO RELAY PANEL FROM PP-CXB SHALL CONSIST OF SEVEN (7) 1" CONDUIT WITH 2#10 AND 1#10 GROUND EACH.

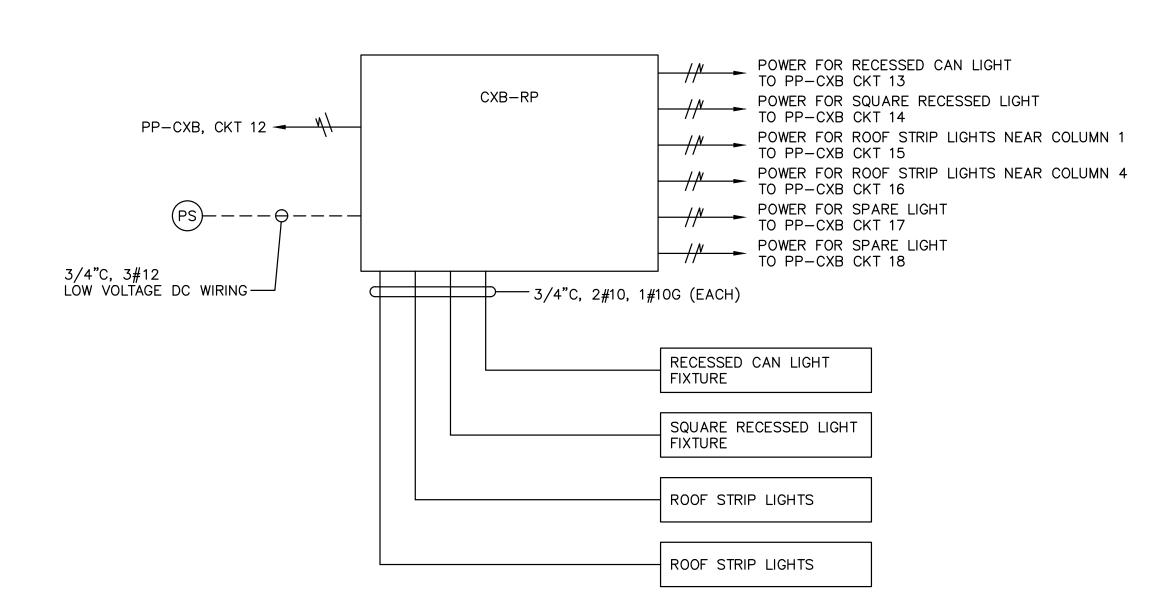


CONSULTANT INFORMATION	CONSULTANT SEAL					RECORD DRAWIN	NG CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	C ONTRACT NUMBER	SHEET NUMBER
estronomic destronomic destron	S. G. FREDER OF					AS BUILT — CHANGES AS NOTED	AS BUILT — NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	20-530	CXB-E-04
	A STANDER M		+ +					DIVISION OF ENGINEERING	DWG NO.: Page	216 of 288
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK	SCALE: AS SHO	OWN
Savin Engineers, P.C.	086076					SIGNATURE	SIGNATURE	CXB - BUILDING CONVERSION	DATE: MAY 26	6, 2021
Savin Engineers, P.C.	POFESSIONAL	REVISION DATE	MADE APP'D BY BY	R	EVISION	TITLE DATE	TITLE DATE	GROUND FLOOR POWER PLAN	DPW FILE 1-118-	REV. NO. 0



LIGHTING PLAN

1/4"=1'-0"



1 CROSS ACCESS BUILDING LIGHTING WIRING DETAIL
CXB-E-05

# SEQUENCE OF OPERATION:

VENDOR:

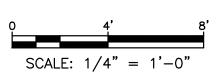
- ALL DEVICES ARE CONNECTED TO THE LOCAL SPACE'S OWN NETWORK AND ALL LIGHTING CONTROL SHALL CONTROL ONLY THAT ONE SPACE. BY DEFAULT NORMAL LIGHTING LOAD IS TURNED ON AUTOMATICALLY BY CEILING MOUNTED OCCUPANCY SENSORS. UPON 15 MINUTES OF VACANCY DETECTED, THE NORMAL LIGHTING LOAD SHALL TURN THE SPACE'S LIGHTING FIXTURES OFF.
- OCCUPANCY SENSORS ARE THE ONLY CONTROLS ASSOCIATED WITH THE SPACE'S LIGHTING FIXTURES. THE SPACE SHALL BE PROGRAMMED TO TURN ON THE LIGHTS AT 100% OF THE LIGHTING FIXTURE OUTPUT RATING UPON DETECTION OF OCCUPANCY, OR TURN THE LIGHTS TO 0% OF THE LIGHTING FIXTURE RATING UPON DETECTION OF VACANCY AFTER 15 MINUTES. THE OCCUPANCY SENSORS SHALL USE BOTH PASSIVE INFRARED AND MICROPHONIC TECHNOLOGIES. BOTH TECHNOLOGIES WITHIN THE SENSOR MUST DETECT AN OCCUPANT IN THE SPACE IN ORDER TO TURN ON THE SPACE'S LIGHTING SWITCHES, BUT ONLY ONE OF THE TECHNOLOGIES NEED TO REMAIN ACTIVATED AND CONTINUALLY SENSE OCCUPANCY IN ORDER FOR THE LIGHTING FIXTURES TO REMAIN ON. DUAL-TECHNOLOGY SENSORS SHALL BE SELF-ADAPTIVE TO AUTOMATICALLY ADJUST SENSITIVITY AND TIMING.

	LIGHTING CONTROL LEGEND
<u>SYMBOL</u>	DESCRIPTION
	OCCUPANCY / VACANCY SENSOR — SMALL MOTION, DUAL TECHNOLOGY (PASSIVE INFRARED / MICROPHONICS) ACUITY BRANDS, NLIGHT SYSTEM CATALOG NUMBER: nCM—PDT—9—RJB OR APPROVED EQUAL
PP XX	POWER / RELAY PACK 120V RATED SELF CONTROLLED RELAY SWITCH, EQUIPPED WITH RJ-45, PLENUM RATED, CONFIGURATE RELAY LOGIC ACUITY BRANDS, NLIGHT SYSTEM CATALOG NUMBER: nPP16-D-EFP-SA OR APPROVED EQUAL * XX INDICATES CIRCUIT NUMBER
\$	120V RATED LIGHTING SINGLE POLE SWITCH
RP 7	RELAY / TIME CONTROL PANEL PROGRAMMABLE ZONE CONTROLLED PANEL UP TO 1 ADDRESS PER RELAY / DIMMING OUTPUT, ONE EXTERNAL SYSTEM INPUT, INTERNAL TIME—CLOCK EQUIPPED WITH 0—10V DIMMING OUTPUT PER RELAY CATALOG NUMBER: ARP INTENCO8NLT—8SR—MVOLT—1VB—HLK—SM—DTC OR APPROVED EQUAL
	ANALOG PHOTOCELL PHOTOSENSOR SUITABLE FOR OUTDOOR APPLICATIONS, CATALOG NUMBER: LSA—APS—OL OR APPROVED EQUAL
n	RELAY TIME CONTROL PANEL PROGRAMMABLE ZONE CONTROL PANEL UP TO 1 ADDRESS PER RELAY/DIMMING OUTPUT EQUIPPED WITH 0-10V DIMMING OUTPUT PER RELAY CATALOG NUMBER: LSA-APS-OL OR APPROVED EQUAL

LICHTING CONTROL LEGEND

# NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. BEFORE ANY LIGHT FIXTURES AND/OR CONTROLS ARE PURCHASED, CONTRACTOR SHALL SUBMIT, FOR APPROVAL BY THE ENGINEER, A COMPLETE SET OF DRAWINGS SHOWING ALL CONTROL COMPONENTS AND WIRING DIAGRAMS.
- 3. FOR ADDITIONAL INFORMATION, SEE LIGHTING FIXTURE SCHEDULE ON DRAWING GE-E-03.
- 4. NEW CABLE AND CONDUIT SHALL BE INSTALLED CONCEALED.
- 5. FOR LIGHTING PANEL SCHEDULE, SEE DRAWING CXB-E-06.
- 6. FOR INTERIOR LIGHTING CONTROL WIRING (INCLUDING BUT NOT LIMITED TO ETHERNET AND LOW VOLTAGE WIRING) INFORMATION, SEE TYPICAL INTERIOR SPACE WIRING DIAGRAM DETAIL ON THIS SHEET.
- 7. NOT ALL POWER WIRING SHOWN ON DRAWINGS. CONTRACTOR SHALL DAISY—CHAIN THE FOLLOWING WITHIN EACH SPACE, LIGHTING, POWER PACKS, AND EXIT SIGNS. CONTRACTOR SHALL FURNISH AND INSTALL 3/4" CONDUIT WITH 2#12 & 1#12 GROUND. FOR ALL CONDUITS WITHIN THE DAISY—CHAIN LOOP BACK TO POWER PANEL PP—CXB, UNLESS OTHERWISE NOTED.
- 8. NUMBER DESIGNATORS NEXT TO FIXTURES AND/OR CONTROLS INDICATE CIRCUIT NUMBERS.
- 9. EXIST SIGNS SHALL BE WIRED TO THE UNSWITCHED LEG OF THE DESIGNATED CIRCUIT.
- 10. POWER PACKS SHALL BE MOUNTED ABOVE FINISHED CEILING.
- 11. ALL LIGHTING CONTROL COMPONENTS SHALL BE FROM A SINGLE MANUFACTURER, AND MUST BE FROM THE SAME MANUFACTURER AS ALL BUILDINGS WITHIN THE CONTRACT. EQUIPMENT INCLUDES BUT NOT LIMITED OCCUPANCY SENSORS, RELAY/POWER PACKS, SWITCHES, RELAY PANELS, PHOTOSENSOR, ETC.
- 12. LIGHTING CONTROLS SELECTED SHALL HAVE THE CAPABILITY TO BE CONNECTED TO A MASTER HEAD—END SYSTEM (FUTURE CONTRACT).
- 13. ALL OUTDOOR LIGHTING SHALL BE POWERED VIA RELAY PANEL CXB-RP. RELAY PANEL SHALL BE EQUIPPED WITH BOTH A BUILT-IN TIME CLOCK AND A PHOTOSENSOR. EACH RELAY PANEL SHALL BE ACQUITY BRANDS: ARP-INTENCO8NLT-8SR-MVOLT-1VB-HLK-SM-DTC OR APPROVED EQUAL.
- 14. FOR EXTERIOR LIGHTING CONTROL WIRING INFORMATION SEE EXTERIOR RESTROOM SPACE WIRING DETAIL.
- 15. COORDINATE THE FINAL PLACEMENT OF LIGHTING WITH ARCHITECTURAL DRAWINGS.
- 16. ALL EXTERIOR LIGHTING FIXTURES SHALL BE CIRCUITED TO NEW RELAY CONTROL PANEL (CXB—RP), ALL CIRCUIT NUMBERS ADJACENT TO LIGHTING FIXTURES SHALL REPRESENT THE RELAY PANEL LIGHTING CIRCUITS.
- 17. ALL L3 FIXTURES SHALL BE PLACED 10 FT ABOVE FINISHED FLOOR.
- 18. LIGHTING CONTROL ZONES ARE SEGREGATED BY AREA POWER-PACKS AS SHOWN ON THE DRAWING.
- 19. ALL EXTERIOR LIGHTING SHALL BE CIRCUITED TO RELAY PANEL CXB-RP. CONTRACTOR SHALL CIRCUIT LIGHTING FIXTURES WITH 3/4" CONDUIT WITH 2#10 & 1#10GND, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL DAISY-CHAIN ALL EXTERIOR LIGHT FIXTURES WITH SAME CIRCUIT NUMBER BACK TO RELAY PANEL CXB-RP.
- 20. ALL LIGHTING SYSTEMS SHOWN ON PLAN ARE POWERED VIA PANEL PP-CXB UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CIRCUIT LIGHTING FIXTURES WITH 3/4" CONDUIT WITH 2#12 & 1#12GND, UNLESS NOTED OTHERWISE.



RECORD DRAWING CERTIFICATION  WESTCHESTER COUNTY, NEW YO	ORK CONTRACT NUMBER	SHEET NUMBER
AS BUILT — NO CHANGES AS NOTED AS BUILT — NO CHANGES AND TRANSPORT	TATION <b>20-530</b>	CXB-E-05
DIVISION OF ENGINEERING	DWG NO.: Page 2'	7 of 288
CONTRACTOR PROJECT COORDINATOR INFRASTRUCTURE REHABILITATION - PHASE 2  NAME PLAYLAND PARK, RYE, NEW YORK	SCALE: AS SHOV	VN
Savin Engineers, P.C.  SIGNATURE  SIGNATURE  SIGNATURE  TITLE  DATE  DATE  DATE  GROUND FLOOR LIGHTING PLAN  GROUND FLOOR LIGHTING PLAN  CXB - BUILDING CONVERSION  FILTING PLAN  GROUND FLOOR LIGHTING PLAN	DATE: <b>MAY 26,</b>	2021
GROUND FLOOR LIGHTING PLAN  REVISION DATE MADE APP'D SHOUND FLOOR LIGHTING PLAN  REVISION BY	DPW FILE NUMBER 1-118-E-	REV. 0

# NOTES:

 FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.

RP-CXB	LOCATION:	СХВ
CIRCUIT NO.	DESCRIPTION	NOTES
1	RECESSED CAN LIGHTS	NEW
2	SQUARE RECESSED LIGHTS	NEW
3	ROOF STRIP LIGHTS	NEW
4	ROOF STRIP LIGHTS	NEW
5	SPARE	NEW
6	SPARE	NEW

	NEMA DATING		PP-CXB							LOCATION	: ELECTR	IC ROOM	1		
1 100	NEMA RATING  AMP BUS RATING  100 MAIN BREAKER  42 KA SHORT CIRCUIT RATING  3 POLES														
208/120	VOLTS 3	PHASE 4	WIRE	60 HZ			ELECTR	ON	C GRADE:	NO MOUNTING	: SURFA	CE			
				l	OAD KVA	4	BREAKER	S				LOAD KVA	4	BREAKER	U
CIRCUIT				PHASE	PHASE	PHASE	AMPS/	NOTES	CIRCUIT		PHASE	PHASE	PHASE	AMPS/	TE
NO.		DESCRIPTION		Α	В	С	POLES	ž	NO.	DESCRIPTION	Α	В	C	POLES	FON
1	VENDO	OR 1 L3 LIGHTS		0.4572			20/1		2	VENDOR 2 L3 LIGHTS	0.4572			20/1	
3	VENDO	OR 1 L3 LIGHTS			0.4548		20/1		4	L3 LIGHTS		0.1158		20/1	
5	RECEPT	ACLE VENDOR 1				0.54	20/1		6	RECEPTACLE VENDOR 1			0.54	20/1	
7	RECEPT	ACLE VENDOR 2		0.54			20/1		8	RECEPTACLE VENDOR 2	0.72			20/1	
9	RECEPT	ACLE VENDOR 3			0.72		20/1		10	RECEPTACLE VENDOR 3		0.54		20/1	Τ
11	RE	ECEPTACLE				0.18	20/1		12	RELAY PANEL			1	20/1	
13	RECESSED CAN	N LIGHT- RELAY P	PANEL	0.0896			20/1		14	SQUARE RECESSED LIGHT-RELAY PANEL	0.1416			20/1	Τ
15	ROOF STRIP LIGHTS	S NEAR COL 1-RE	LAY PANEL				20/1	П	16	ROOF STRIP LIGHTS NEAR COL 4-RELAY PANEL				20/1	Т
17	RELAY PA	NEL SPARE LIGHT	Т			0.056	20/1	П	18	RELAY PANEL SPARE LIGHT			0.056	20/1	
19		SPARE					20/1		20	SPARE				20/1	1
21		SPARE					20/1	П	22	SPARE				20/1	
23		SPARE					20/1	П	24	SPARE				20/1	T
25		SPARE					20/1	П	26	SPARE				20/1	
27		SPARE					20/1		28	SPARE				20/1	
29		SPARE					20/1	П	30	SPARE				20/1	T
31		SPARE					20/1	П	32	SPARE				20/1	T
33		SPARE					20/1	П	34	SPARE				20/1	T
35		SPARE					20/1	П	36	SPARE				20/1	
37		SPARE					20/1	П	38	SPARE				20/1	
39		SPARE					20/1		40	SPARE				20/1	1
41		SPARE					20/1	П	42	SPARE				20/1	1
The state of the s	TOTAL PHASE KVA T	HIS SIDE		1.0868	1.1748	0.776	COCCUPA STORY ME STORY OF	П		TOTAL PHASE KVA THIS SIDE	1.3188	0.6558	1.596		-
							•			TOTAL KVA PER PHASE		1.8306			
										TOTAL THREE PHASE KVA		6.6082			
OTES:									NOTES CON	IT:	"			<u>t</u>	
1.									5.						
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RECORD DRAWING CERTIFICATION

AS BUILT — CHANGES AS NOTED

CONTRACTOR

PROJECT

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT COORDINATOR

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

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK

CXB - BUILDING CONVERSION
PANEL SCHEDULE

CONTRACT
NUMBER

20-530

CXB-E-06

DWG NO.: Page 218 of 288

SCALE: AS SHOWN

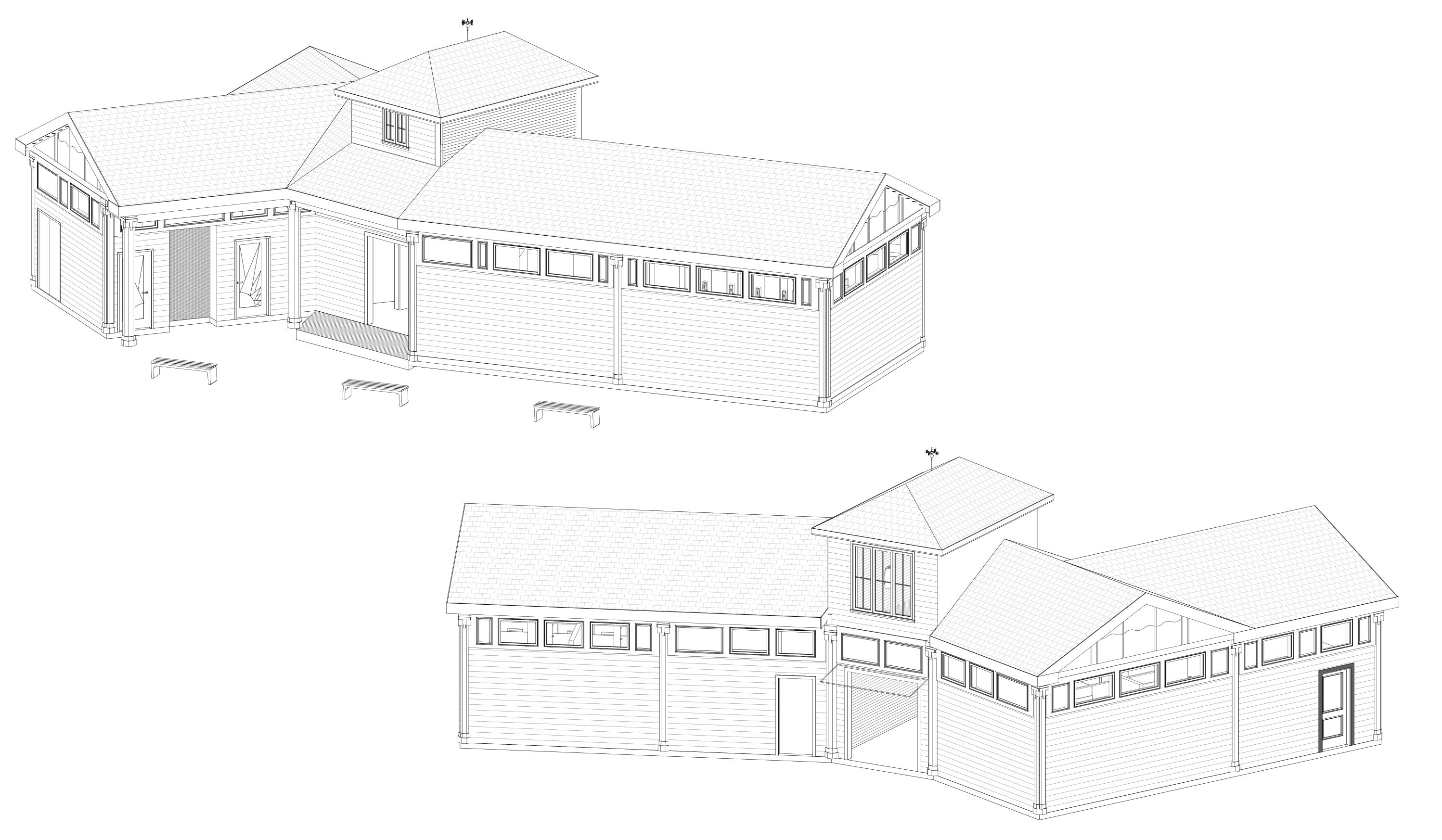
DATE: MAY 26, 2021

DPW FILE NUMBER

1-118-E-606

REV. NO. 0

# **BUMPER CAR RESTROOM**





REVISION DATE MADE APP'D REVISION TO THE REVISION BY BY REVISION

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES

CONTRACTOR PROJECT COORDINATOR

SIGNATURE \_\_\_\_\_

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
DWG NO.

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK
BUMPER CAR RESTROOM
BUILDING 3D VIEW

CONTRACT
NUMBER

20-530

DWG NO.

DATE:
DPW FILE

CONTRACT NUMBER

20-530 BCR-G-01

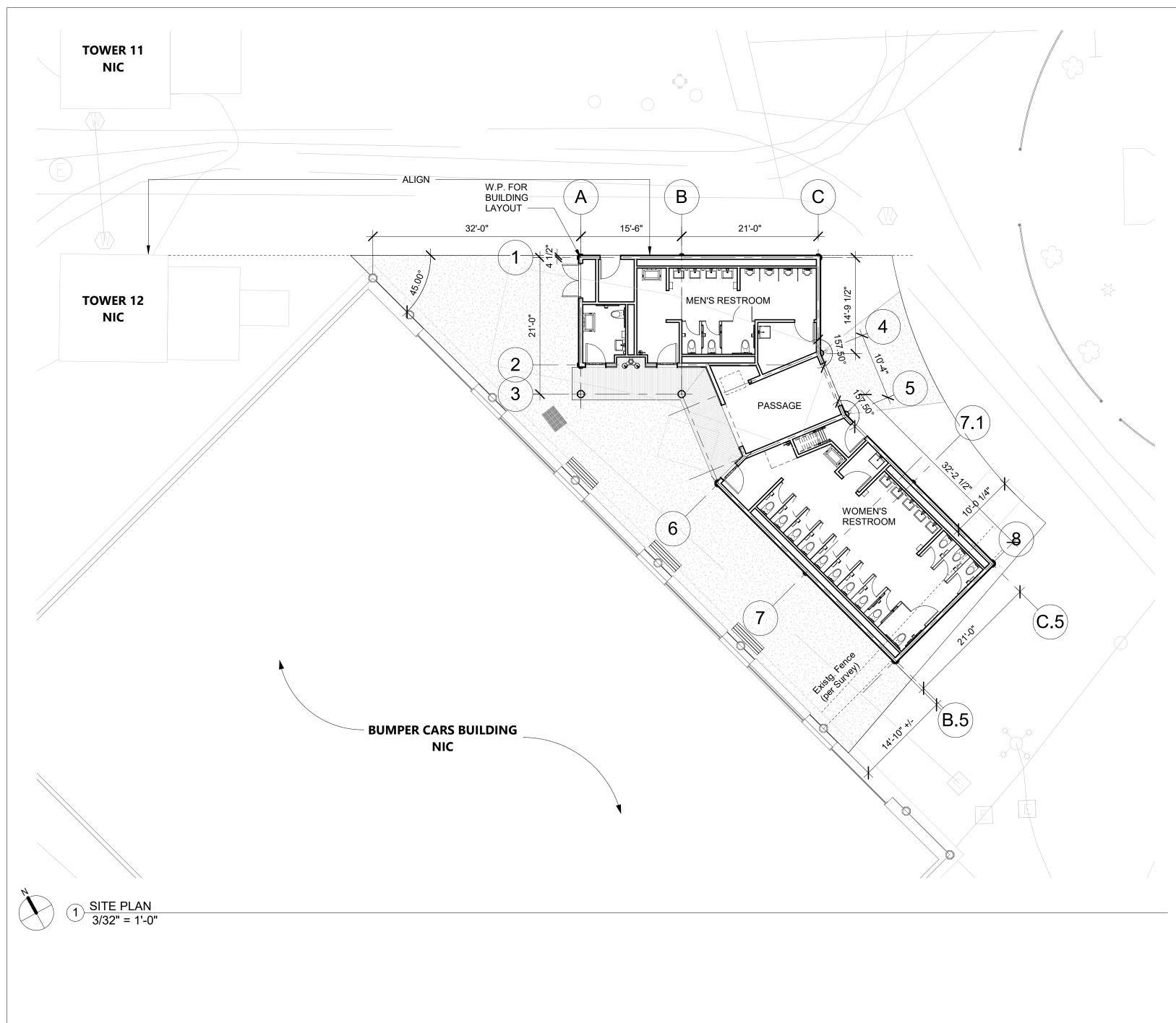
DWG NO.: Page 219 of 288

SCALE:

DATE: May 26, 2021

DPW FILE 1-118-G-607 REV. NO. 0

5/27/2021 5:29:23 PI



# **BUILDING CODE ANALYSIS**

2020 Building code of New York State		
Construction Type (Tbl 601)	V B	(Fully Sprinklered)
Occupancy Classification	В	
D	2	. 2/
Proposed Number of Stories (Tbl 504.4) Proposed Height (ft) (Tbl 504.3)	2 24.5	< 3 (max. allowable) < 60 (max. allowable)
Proposed Building Area (sf) (Tbl 506.2)	1,639	< 27,000 (max. allowable)
110posed 2dilaing / (121 50012)	1,000	27,000 (maxi allowable)
Fire-Resistance Rating Requirements (Tbl 601)	Required	Proposed
Primary Structure Frame	0	0
(including Columns, Girders, Trusses)		
Bearing Walls		
Exterior (Tbl 602)  Fire separation distance < 10 ft	1	n/a
Fire separation distance > = 10 ft	0	0
Interior	О	0
Nonbearing Walls and Partitions		
Exterior (Tbl 602)		
Fire separation distance < 10 ft	1	n/a
Fire separation distance > = 10 ft	0	0
Interior Floor Construction	0	0
Including supporting beam and joists	0	0
Roof Construction	-	
Including supporting beam and joists	0	0
Allowable Area of Openings (BC 705.8)	0.507	44 000/
Fire separation distance < 10 ft; >5 ft (Unprotected, Sprinklered)	25% 45%	11.29%
Fire separation distance < 15 ft; > 10 ft (Unprotected, Sprinklered) Fire separation distance > 20 ft (Unprotected, Sprinklered)	No limit	15.11%
The separation distance > 20 ft (onprotected, sprinkered)	No mine	
Interior Finishes Class (BC 803)		
Wall and Ceiling	С	
Floors - Radiant Flux	Class II	
Dowtoble Fire Estinguishers /PC 006\		
Portable Fire Extinguishers (BC 906) Fire Hazard	Class A	
Hazard Occupancy	Ordinary	
	and the second second second	
Minimum rated single extinguisher	2-A	
Maximum floor area per unit of A	1,500 sf	
Maximum floor area for extinguisher	11,250 sf 75'	
Maximum distance of travel to extinguisher	/5	
Number of Type 2-A extinguishers required	Required	Provided
First Floor	1.09	2
Second Floor	1	1
Means of Egress  Max. Floor Area Allowances per Occupant (Tbl 1004.1.2) (sf)		
Restroom	50	gross
, lest som	30	8.000
Occupant Load		
Women (575 sf)	12	
Men (317 sf)	7	
Egress Width per Occupant (BC 1005)		
Other Egress Components	0.15	
	5.15	
Egress Width Required (inches)		
Women	1.8	32" Provided
Men	1.05	32" provided
Maximum Common Dath of Equator Travel (This 1000 2.4)		
Maximum Common Path of Egress Travel (Tbl 1006.2.1)  B Occupancy with Sprinkler System	100' Maximum	
b occupancy with opinical system	TOO INIGNITUUTI	
Spaces With One Exit (Tbl 1006.2.1)		
Occupant Loac of space	12	< 49
Max. Common Path of Egress Travel (ft)	45	< 75

# **LEGEND**

	EXISTING FENCE TO REMAIN
	NEW CHAIN LINK CONSTRUCTION FENCE
***************************************	REMOVE IF NEEDED BUT RESTORE WHEN PARK OPERATING

# **SITE PLAN KEY NOTES**

- EXISTING FENCE TO REMAIN.
- EXISTING TREE STUMP TO BE REMOVED AND THE AFFECTED AREA TO
- BE RESTORED TO MATCH ADJACENT LANDSCAPING
- LANDSCAPING TO BE REMOVED AS NEEDED FOR SITE OPERATIONS.

# **SITE CONSTRUCTION NOTES**

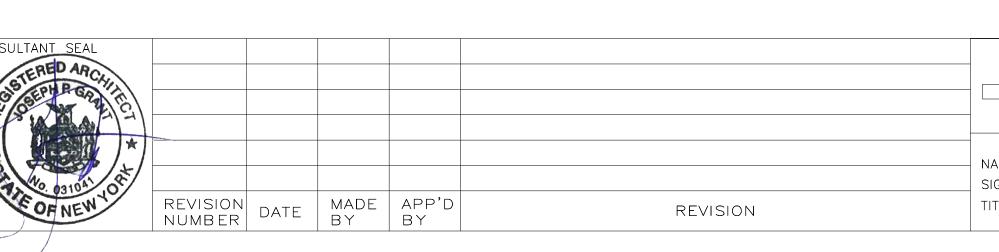
- REPLACE ALL PLANTED MATTER DISTURBED DURING CONSTRUCTION UNLESS STATED OTHERWISE.
- REPAIR ALL DAMAGED PARK PROPERTY INCURRED DURING CONSTRUCTION.
- REPAIR ASPHALT AS REQUIRED.
- REPAIR SOD AS REQUIRED.

# **GENERAL NOTES**

- PROVIDE JOBSITE FENCING AND SIDEWALK BRIDGING AS REQUIRED FOR PUBLIC SAFETY AND BUILDING ACCESS AS REQUIRED.
- SCHEDULE AND COMPLETE WORK AS REQUIRED TO GIVE THE SITE
- IMPROVEMENT CONTRACTORS ACCESS TO THEIR JOBSITE COORDINATE AND COOPERATE WITH THE WORK OF OTHER
- CONTRACTORS AS REQUIRED TO ENSURE COMPLETION OF ALL
- PROVIDE PROTECTION FOR EXISTING FEATURES TO REMAIN. PROVIDE PROTECTION PLAN FOR APPROVAL.

# **CONSTRUCTION STAGING NOTES**

- WATER AND ELECTRICAL SERVICE WILL BE PROVIDED BY PARK AT THE BUILDING BUT NOT AT CONSTRUCTION TRAILERS.
- 2. CONTRACTOR TO PROVIDE ANY NEEDED TEMPORARY HEAT,
- INCLUDED IN THE BID.
- CONTRACTOR TO PROVIDE RESTROOM FACILITIES FOR THEIR
- 4. CONTRACTOR PARKING AT TRAILER AREA ONLY. SEE DRAWING T-06.



RECORD DRAWING CERTIFICATION \_\_\_\_ AS BUILT — NO CHANGES \_\_\_ AS BUILT — CHANGES AS NOTED CONTRACTOR

\_\_\_ DATE \_\_\_\_

Maximum Travel Distance (BC 1017)

B Occupancy Sprinkler System

PROJECT COORDINATOR NAME SIGNATURE \_\_\_\_

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK

**BUMPER CAR RESTROOM** 

**CONSTRUCTION STAGING PLAN AND CODE ANALYSIS** 

<u>Proposed</u>

45'

SHEET NUMBER BCR-G-02 DWG NO.: **Page 220 of 288** SCALE: 3/32" = 1'-0" DATE: **May 26, 2021** DPW FILE **1-118-G-608** NUMBER REV. 0

# PLAYLAND REHABILITATION & UPGRADES

# BUMPER CAR RESTROOMS ASBESTOS ABATEMENT 1 PLAYLAND PKWY, RYE, NY 10580

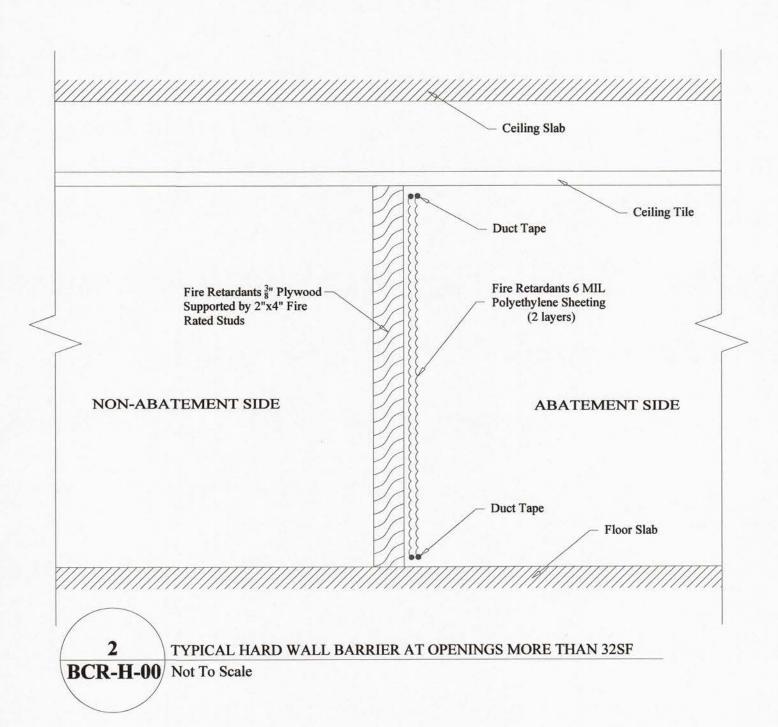
# SCOPE OF WORK:

Structure	Location	Material	Approximate Quantity (SF/LF/Unit)	ICR 56 Procedure
Arena Restrooms	Exterior WA 1	Roof Membrane	1040.0 SF	56.11.6

Work Area	Location	Description	Material	Approximate Quantity (SF/LF/Unit)	ICR 56 Procedure
1A	Exterior	Roof	Assumed Roof Shingles and Tar	50.0 SF	56.11.6

Lockable Equip. Room To Work Shower Doorway Clean Room Area

> TYPICAL LARGE PROJECT WORKER/ WASTE DECONTAMINATION UNIT BCR-H-00 Not To Scale

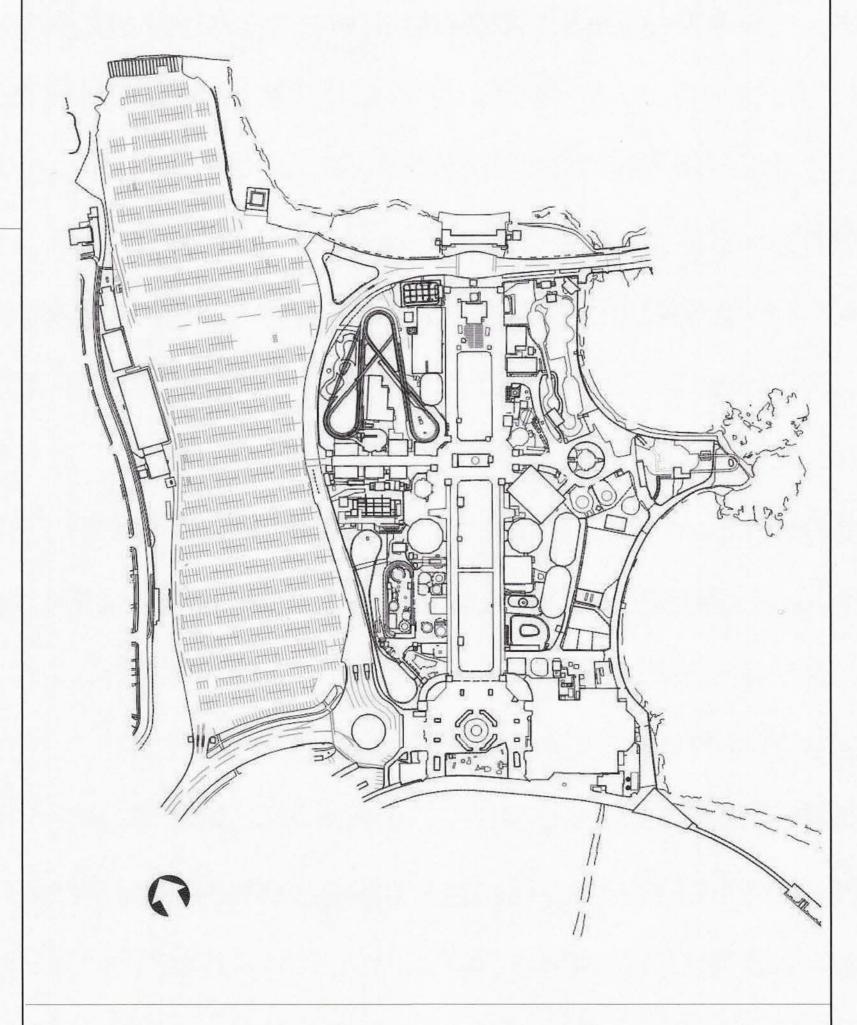


# **PROJECT NOTES:**

- 1. The Contractor shall be aware of all conditions of the Project and is responsible for verifying quantities and locations of all Work to be performed. Failure to do so shall not relieve the Contractor of its obligation to furnish all labor and materials necessary to perform the Work.
- 2. All Work shall be performed in strict accordance with the Project Documents and all governing codes, rules, and regulations. Where conflicts occur between the Project Documents and applicable codes, rules, and regulations, the more stringent shall apply.
- 3. All abatement work shall be coordinated with General Contractor work; Abatement may be phased with other contract work.
- 4. Working hours shall be as required and approved by the Owner. Asbestos abatement activities including, but not limited to, work area preparation, gross removal activities, cleaning activities, waste removal, etc. may need to be performed during 'off-hours' (including nights and weekends). In addition, multiple mobilizations may be required to perform the work identified in this project. The Contractor shall coordinate and schedule all Work with the facility and Owner's representative.
- 5. The Contractor shall prepare and coordinate with facility representative the posting of appropriate signage at the entranceway that redirects park occupants away from the area of the
- 6. The Contractor shall use barrier tape to extend the limits of the active, regulated work areas closed to the public and other non-abatement trades.
- 7. The Contractor shall be responsible for defining and coordinating the phases of the abatement with the facility and DPW, as well as securing any site specific variances, permits, and any necessary NYS DOL approvals.
- 8. The asbestos abatement Contractor shall coordinate locations of decontamination units, routes of egress, temporary water and power connections and waste container locations with the Owner and the Facility.
- 9. The Contractor may need to supply temporary power/water sources if they cannot be provided by
- 10. The General Contractor shall supply any and all scaffolding for the work area(s) under this contract. Scaffolding structure and maintenance shall be in strict accordance with local, state and federal safety requirements.
- 11. The Contractor is to protect any and all exposed surfaces not targeted for abatement.
- 12. The Contractor shall request and receive in writing prior to preceding with any work info from the owner regarding surfaces/materials that require protection.
- 13. Regular waste generated by the abatement work of this contract shall be stored securely using a closed waste container.
- 14. All suspect/assumed ACM shall be tested by the owner prior to abatement.

RECORD DRAWING CERTIFICATION

15. Abatement of roof ACM shall be coordinated with the facility representative/GC for installation of replacement roofing or temporary roofing.



LEGEND:

**WORK AREA LIMITS** 

REMOTE SMALL/LARGE PROJECT WORKER/ WASTE DECONTAMINATION UNIT

FORMATION 3 Aerial Way, Syosset, New York 11791

(516) 938-5476

REVISION REVISION

AS BUILT - CHANGES AS NOTED

CONTRACTOR

AS BUILT - NO CHANGES

PROJECT COORDINATOR

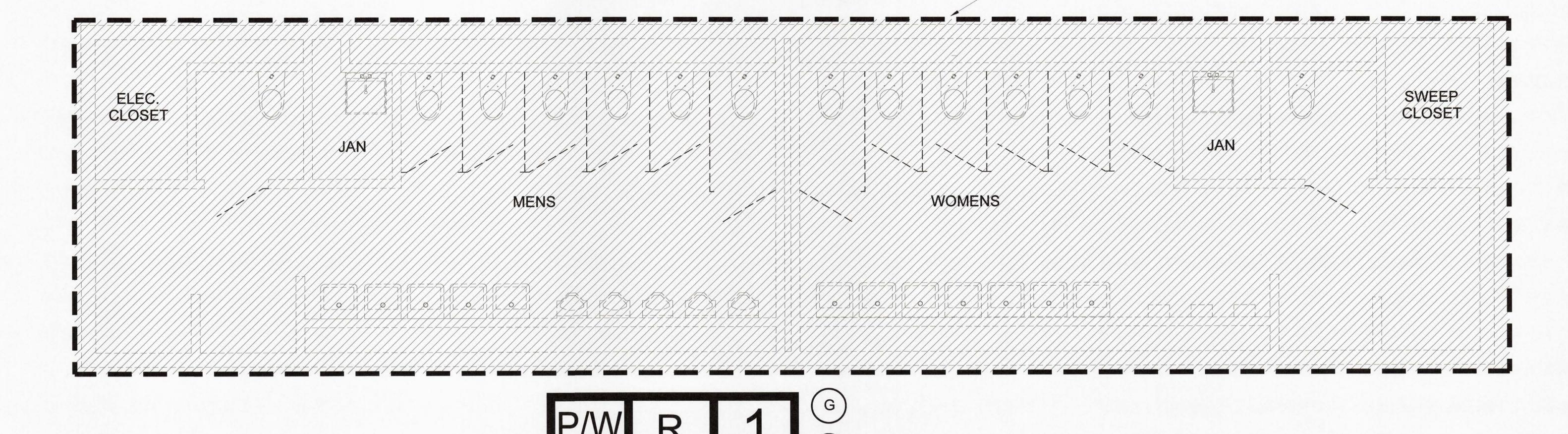
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **BUMPER CAR RESTROOMS GENERAL NOTES** 

CONTRACT NUMBER SHEET NUMBER 20-530 BCR-H-00 DWG NO .: SCALE: NOT TO SCALE 288

MAY 26, 2021 DPW FILE 1-118-G-609 NUMBER

WORK AREA 1



1 ARENA RESTROOM - ROOF - ASBESTOS ABATEMENT PLAN - WORK AREA 1 NTS

**LEGEND:** WORK AREA LIMITS WORK AREA 1 - ROOF MEMBRANE - 1,040.0 SF P/W R # LARGE PROJECT REMOTE WORKER/WASTE DECONTAMINATION UNIT TEMPORARY GENERATOR TEMPORARY WATER SOURCE

C ONSULTANT INFORMATION	C
The LiRo Group	4
3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com	-

CONSULTANT SEAL THE						
STATE OF VENDO						
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NO OTOMAG EST	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	

AS BUILT — CHANGES AS NOTED	AS BUILT - NO CHANGES
CONTRACTOR NAME	PROJECT COORDINATOR
SIGNATUREDATE	SIGNATURE DATE

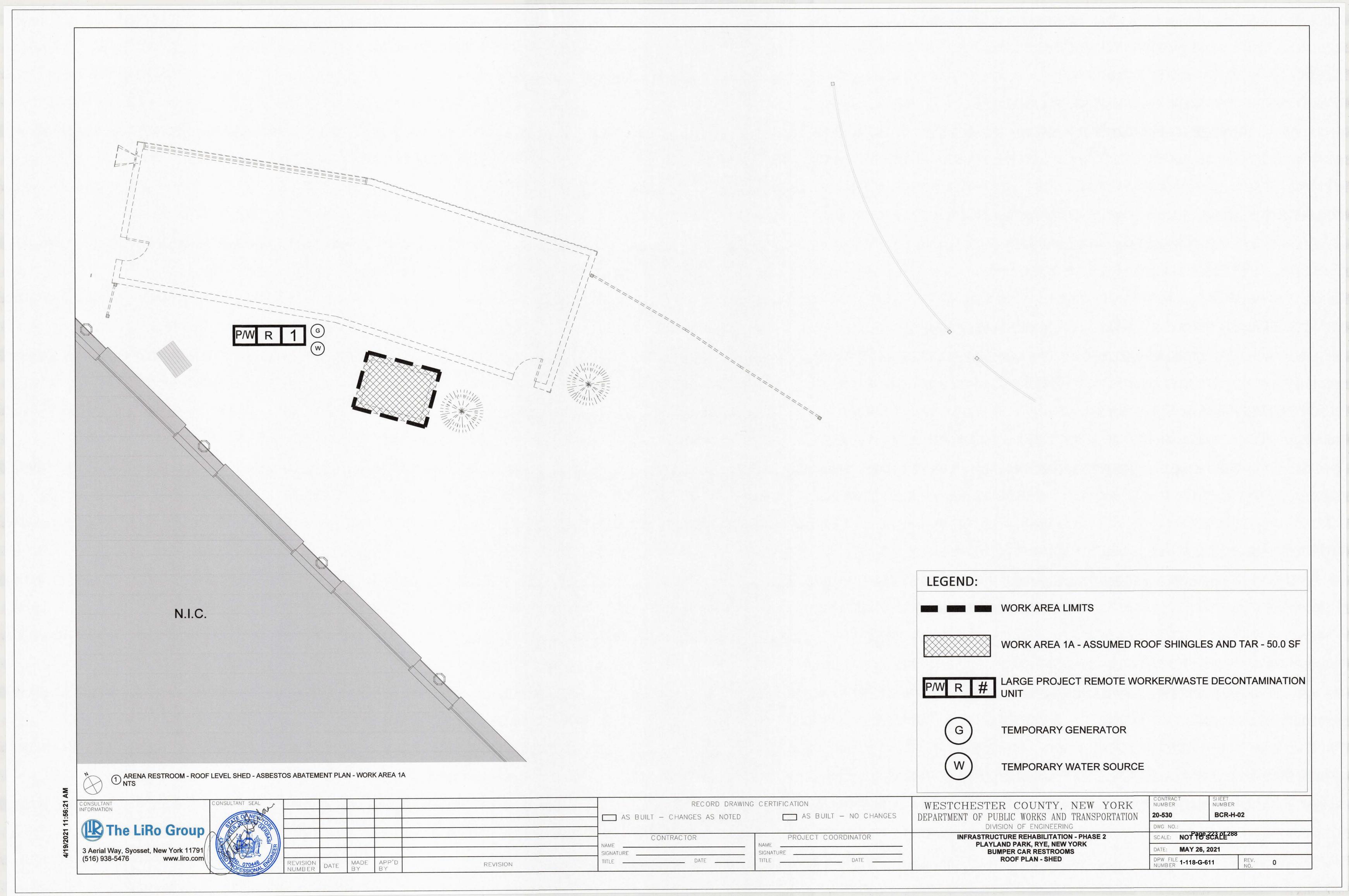
RECORD DRAWING CERTIFICATION

20-530 DWG NO .:

SCALE: NOT TO SCALE DATE: MAY 26, 2021 DPW FILE 1-118-G-610

SHEET NUMBER

BCR-H-01



COST TO THE OWNER.

AND SHALL NOT BE OFFERED FOR INSPECTION AGAIN.

CONTRACTOR FROM ANY CONTRACT OBLIGATIONS.

3. CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO MAINTAIN UTILITY SERVICE TO AND FROM BUILDINGS and park areas.

4. ANY UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND HAVE BEEN OBTAINED FROM AVAILABLE SOURCES. THE EXISTENCE AND LOCATION OF ANY UTILITIES INDICATED ON THE PLANS are not guaranteed and shall be investigated and verified in the field by the CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES FIELD STAKED BEFORE STARTING WORK BY CALLING DIG SAFELY NEW YORK AT 1-800-962-7962. EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES SHALL BE DUG BY HAND. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.

- 5. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE PRIVATE UTILITY MARKOUTS FOR ALL UTILITIES IN THE WORK AREAS. THE CONTRACTOR SHALL SUBMIT THE PROPOSED UTILITY SUB-CONTRACTOR FOR
- 6. THE CONTRACTOR SHALL OBTAIN AND HAVE ON THE JOB SITE, AT ALL TIMES, ALL PERMITS AS REQUIRED BY THE STATE, COUNTY, CITY, TOWN/VILLAGE OR ANY OTHER PERMITTING AGENCY. THE CONTRACTOR SHALL BEAR ALL COSTS OF OBTAINING THESE PERMITS.
- '. CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS CONSTRUCTION MATERIALS TO THE SATISFACTION OF THE OWNER AND ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ALL MATERIALS RESULTING FROM THE CONTRACT.
- 8. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OWNER AND ENGINEER TO
- MINIMIZE INTERRUPTIONS TO NORMAL PARK OPERATIONS. 9. CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN INCLUDING SEQUENCE OF OPERATIONS PRIOR
- TO COMMENCING WORK AND SHALL BE SUBJECT TO APPROVAL OF THE OWNER/ENGINEER. 10. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO THE START OF CONSTRUCTION. IN ADDITION, IF WORK SHOULD BE STOPPED

AND RESTARTED FOR ANY REASON, THE CONTRACTOR SHALL GIVE THE ENGINEER A MINIMUM OF

SEVENTY-TWO (72) HOURS NOTICE. 11.ITEMS SUSTAINING DAMAGE DURING CONSTRUCTION AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION AND APPROVAL OF THE

OWNER AT THE CONTRACTORS EXPENSE. ANY DAMAGE SHALL BE REPAIRED AT NO ADDITIONAL

- 12. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PRESERVE THE MATERIAL BELOW AND BEYOND THE LINES OF ALL EXCAVATION IN THE SOUNDEST POSSIBLE CONDITION. ANY DAMAGE TO THE WORK DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE EXPENSE OF AND
- BY THE CONTRACTOR. 13.NO MATERIALS OF ANY KIND SHALL BE USED UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER; ALL MATERIALS REJECTED SHALL BE IMMEDIATELY REMOVED FROM THE WORK SITE
- 14. ANY MATERIALS OR WORKMANSHIP FOUND AT ANY TIME TO BE DEFECTIVE SHALL BE REMEDIED AT ONCE, REGARDLESS OF PREVIOUS INSPECTION, THE INSPECTION AND OBSERVATION OF WORK BY THE ENGINEER IS INTENDED TO AID THE CONTRACTOR IN APPLYING LABOR AND MATERIAL TO AND IN ACCORDANCE WITH THE SPECIFICATION, BUT SUCH INSPECTION SHALL NOT RELEASE THE
- 15. THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER SO AS TO POSE NO DANGER OR HAZARDS TO PERSONS OR PROPERTY. WHERE NECESSARY, TEMPORARY SHIELDS OR OTHER PROTECTIVE DEVICES MUST BE UTILIZED. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY AND EXPENSE OF ANY AND ALL SAFETY MEASURES. THE USE OF EXPLOSIVES IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA AND NEW YORK STATE DEPARTMENT OF LABOR
- 16. RESEED ALL AREAS WHERE WORK OCCURS AND/OR WHERE CONTRACTOR DAMAGES EXISTING GRASS. COMPLY WITH THE SPECIFICATIONS. STAGING AREAS SHALL BE RESTORED TO ORIGINAL CONDITION AND SHALL BE SEEDED FOLLOWING COMPLETION OF ALL PHYSICAL WORK.
- 17. THE CONTRACTOR SHALL HAVE A COMPETENT REPRESENTATIVE PRESENT WHO SHALL RESPOND TO ANY QUESTIONS OR REQUESTS OF THE ENGINEER IN THE PROSECUTION AND COMPLETION OF THE WORK IN CONFORMITY WITH THIS CONTRACT, AND SHALL HAVE FULL AUTHORITY TO SUPPLY LABOR AND MATERIAL IMMEDIATELY. THE CONTRACTOR SHALL ALSO HAVE A COMPETENT REPRESENTATIVE AVAILABLE TO RECEIVE TELEPHONE MESSAGES AND PROVIDE A REASONABLE REPLY AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS.
- 18. NEITHER THE OWNER OR ENGINEER SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS CHOSEN BY THE CONTRACTOR TO COMPLETE THE WORK.
- 19. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR SITE SAFETY AND THE SAFETY OF THE CONTRACTOR'S WORK FORCE.
- 20.BACKFILL AT ALL EXCAVATIONS SHALL BE PLACED IN 6" LIFTS AND SHALL ACHIEVE A COMPACTION NOT LESS THAN 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY. UNDER THE TERMS OF THE CONTRACT. THE CONTRACTOR SHALL PERFORM FIELD TESTS BY AN APPROVED LABORATORY TO ASSURE THIS COMPACTION RATE AT VARYING DEPTHS. THE CONTRACTOR SHALL BEAR ALL COSTS FOR TESTING AND ANY DELAYS THAT RESULT FROM SUCH TESTING.
- 21.THE CONTRACTOR SHALL ADJUST ALL MANHOLE FRAMES AND COVERS, VALVE COVERS, WATERVALVE BOXES, DRAINAGE INLETS, ETC. AS NECESSARY TO MEET THE SURFACE OF NEW PAVEMENT OR WALKWAY AS REQUIRED TO ALLOW POSITIVE DRAINAGE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE RELATED UTILITY COMPANIES, IF APPLICABLE. WARPING OF THE PAVEMENT SURFACE TO MEET THESE ITEMS WILL NOT BE PERMITTED.
- 22.ALL EXISTING SIGNS IN THE CONTRACT AREA ARE TO REMAIN INTACT. SIGNS DAMAGED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY SIGNS THAT REQUIRE RESETTING SHALL BE PLACED IN A FINAL POSITION DETERMINED BY THE OWNER. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR SIGNS DAMAGED BY HIS OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO BURIED AND OVERHEAD UTILITIES LOCATED ON PUBLIC AND PRIVATE PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO FACILITIES ON PUBLIC AND PRIVATE PROPERTY, SUCH AS, LANDSCAPING, DRIVEWAYS, CURBS, PAVEMENT, SIDEWALK, ETC.
- 23.CONTRACTOR IS RESPONSIBLE TO COORDINATE AND VERIFY THE EXTENT OF ALL DEMOLITION WITH THE ENGINEER PRIOR TO PERFORMING THE WORK.
- 24.CONTRACTOR SHALL RESTORE STAGING AREA BACK TO ITS ORIGINAL CONDITION INCLUDING GRADING, SEEDING ETC. EXISTING TREES, UTILITIES, LIGHT POLES, STONE, SIDEWALK, CURB, ETC. SHALL BE PROTECTED AND REPLACED IF DAMAGED. PROVIDE ELECTRICAL POWER, WATER. TELEPHONE, ETC. AS SPECIFIED FOR THE ENGINEERS TRAILER WHICH SHALL BE LOCATED IN THE STAGING AREA.

# SURVEY NOTES

- 1. HORIZONTAL COORDINATES SHOWN HEREON REFER TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE COORDINATE SYSTEM, NEW YORK EAST ZONE 3101.
- 2. VERTICAL ELEVATIONS SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS BASED ON THE UNITED STATES COAST & GEODETIC SURVEY MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY.
- 3. LOCATION OF UTILITIES AS SHOWN ARE BASED UPON MAP TITLED "PARTIAL TOPOGRAPHICAL AND UTILITY SURVEY OF RYE PLAYLAND PARK" BY LKB LAST UPDATED SEPTEMBER 8, 2017.
- 4. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS SURVEY ARE APPROXIMATE. RLT ENGINEERING, GEOLOGY, AND LAND SURVEYING, P.C., CANNOT GUARANTEE THE LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES. THE STANDARD OF CARE USED BY RLT ENGINEERING GEOLOGY, AND LAND SURVEYING, P.C. TO LOCATE THE UTILITIES IS REASONABLE AND CONSISTENT WITH THE LOCAL STANDARD OF CARE USED TO LOCATE THE UNDERGROUND UTILITIES. LOCATIONS AND SIZE ARE BASED ON UTILITY MARK-OUTS. AS-BUILT MAPS AND OTHER VISIBLE SURFACE EVIDENCE OBSERVED IN THE COURSE OF THIS SURVEY. PRIOR TO EXCAVATION OR CONSTRUCTION THE LOCATION, SIZE AND TYPE OF ALL UNDERGROUND UTILITY LOCATIONS MUST BE VERIFIED BY THE RESPECTIVE UTILITY COMPANY.
- 5. THE SUBJECT PROPERTY OF RYE PLAYLAND PARK FALLS WITHIN FEMA FLOOD ZONES AE (EL 12), AE (EL 13), VE (EL 14), VE (EL 15), VE (EL 16), VE (EL 17) AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP COMMUNITY PANEL #36119C0358 F EFFECTIVE DATE SEPTEMBER 28, 2007 AND FEMA FLOOD INSURANCE RATE MAP COMMUNITY PANEL #36119C0356 F EFFECTIVE DATE SEPTEMBER 28, 2007. FEMA ELEVATIONS REFER TO NAVD88.

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## **DEMOLITION NOTES:**

- 1. ALL REQUIRED DEMOLITION PERMITS MUST BE OBTAINED FROM ALL REQUIRED AGENCIES PRIOR TO COMMENCEMENT OF WORK.
- 2. ANY ASBESTOS REMOVAL MUST BE DONE BY A CERTIFIED ASBESTOS REMOVAL CONTRACTOR.
- 3. ALL UTILITY COMPANIES MUST BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF DEMOLITION.
- 4. FOR ALL UTILITIES, CONTRACTOR SHALL VERIFY DISCONNECT PRIOR TO DEMOLITION.
- 5. PROPER FENCING OR PUBLIC PROTECTION DEVICES MUST BE CONSTRUCTED AND MAINTAINED AROUND THE PERIMETER OF THE SITE AT ALL TIMES DURING DEMOLITION PHASE.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL DUST, DIRT, AND DEBRIS DURING DEMOLITION AND CONSTRUCTION PHASES.
- 7. IF SUSPICIOUS AND/OR HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION , CONSTRUCTION, ALL WORK SHALL STOP AND THE COUNTY DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SHALL BE NOTIFIED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE CONTRACTOR HAS OUTLINED APPROPRIATE
- 8. WHERE EXISTING CURB, GUTTER, SIDEWALK OR WALK IS TO BE REMOVED, IT SHALL BE SAW CUT OR REMOVED AT THE NEAREST JOINT.
- 9. THE CONTRACTOR SHALL PERFORM DAILY CLEANUP OPERATIONS WHICH INCLUDE SWEEPING OF THE ROADWAYS, REMOVAL OF DEBRIS (CUPS, PAPER BAGS, CANS, ETC.), REMOVAL OF EXCESS CONSTRUCTION MATERIALS, ALL TO THE SATISFACTION OF THE OWNER.
- 10.THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL RULES, REGULATIONS AND LAWS WHICH SHALL GOVERN THE HAULING AND DISPOSING OF TREES, SHRUBS, STUMPS, ROOTS, RUBBISH,
- 11.NO TREES , SHRUBS, ROOTS, BRANCHES, WOOD, CONCRETE OR OTHER DEBRIS SHALL BE BURIED IN FILLS, EMBANKMENTS OR STOCK PILES.
- 12.NO CLEARED MATTER, DEBRIS SHALL BE STORED AT THE CONSTRUCTION SITE.
- 13.CONTRACTOR SHALL GUARANTEE THAT WORK PERFORMED UNDER THIS CONTRACT WILL NOT PERMANENTLY DAMAGE TREES, SHRUBS, TURF OR PLANTS DESIGNATED TO REMAIN, OR OTHER ADJACENT WORK OR FACILITIES. IF DAMAGE RESULTING FROM CONTRACTOR'S OPERATIONS APPEARS DURING THE PERIOD UP TO 24 MONTHS AFTER COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REPLACE DAMAGED ITEMS AT HIS EXPENSE.
- 14.DAMAGE TO ANY EXISTING ITEMS, NOT SHOWN IN CONTRACT DOCUMENTS TO BE REMOVED, SUCH AS PAVEMENT, CRASSED AREAS, UTILITIES, STRUCTURES OR OTHER FACILITIES SHALL BE REPAIRED BY THE CONTRACTOR IMMEDIATELY AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER AND OWNER. ALL ASPHALT PAVEMENTS, GRASSED AREAS AND LANDSCAPING THAT ARE DAMAGED OR DISTURBED SHALL BE RESTORED IN ACCORDANCE WITH APPLICABLE SECTIONS ON THE CONTRACT
- 15.EXCEPT AS NOTED BELOW. CONTRACTOR SHALL REMOVE FROM THE SITE AND SATISFACTORILY DISPOSE OF ALL TREES, SHRUBS, ROOTS, BRUSH, MASONRY, RUBBISH, SCRAP, DEBRIS, PAVEMENT, CURBS. FENCES AND MISCELLANEOUS OTHER ITEMS NOT COVERED UNDER OTHER SECTIONS AS SHOWN, SPECIFIED OR OTHERWISE REQUIRED TO PERMIT CONSTRUCTION OF NEW WORK.
- 16.BURNING OF MATERIAL IS EXPRESSLY FORBIDDEN.

ACTION FOR DEALING WITH THE WASTE MATERIAL.

- 17.TREES AND SHRUBS TO BE SAVED:
- A. TREES AND SHRUBS WHICH ARE TO REMAIN SHALL BE PROTECTED BY FENCES, BARRICADES, WRAPPING OR OTHER MEANS OF PROTECTION. EQUIPMENT STORAGE, MATERIAL STOCKPILES, ETC., SHALL NOT BE PERMITTED WITHIN TREE BRANCH SPREAD.
- B. PROTECT ALL OTHER TREES AND SHRUBS FROM DEFACEMENT, INJURY AND DESTRUCTION. PRESERVE TREES WITHIN THE CONTRACT LIMITS THAT ARE SO DELINEATED ON THE PLANS OR AS MARKED IN THE FIELD BY THE ENGINEER. ALSO, ALL TO BE SAVED SHALL BE PROTECTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- C. DO NOT CUT ROOTS UNNECESSARILY; HANDWORK OR OTHER METHODS SHALL BE IMPLEMENTED TO PREVENT DAMAGE TO ROOTS WHICH EXTEND INTO GRADING LIMITS OR LIMITS OF EXCAVATION. DISTURB ROOTS AS LITTLE AS POSSIBLE WHEN TUNNELING UNDER TREES. BACKFILLING AROUND TREE ROOTS SHALL BE DONE IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION IN THE VICINITY
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL VEGETATION FROM DAMAGE RESULTING FROM EMISSIONS FROM MOTORIZED EQUIPMENT.
- E. CONTRACTOR SHALL BE VIGILANT OF ANY OVERHEAD UTILITY LINES WHEN USING AERIAL EQUIPMENT FOR TREE TRIMMING OPERATIONS.
- F. DURING WORKING OPERATION, PROTECT THE TRUNK, FOLIAGE, AND ROOT SYSTEM OF ALL TREES TO BE SAVED WITH BOARDS OR OTHER GUARDS AND AS REQUIRED TO PREVENT DAMAGE. INJURY AND DEFACEMENT. DO NOT PILE EXCAVATED MATERIAL ADJACENT TO THE BASE OF ANY TREES. DO NOT ALLOW RUNOFF TO ACCUMULATE AROUND BASE OF TREES. DO NOT FASTEN OR ATTACH ROPES, CABLE OR GUY WIRES TO TREES WITHOUT PERMISSION OF THE ENGINEER. WHEN SUCH PERMISSION IS GRANTED, PROTECT THE TREE BEFORE MAKING FASTENING OR ATTACHMENTS BY PROVIDING BURLAP WRAPPING AND SOFTWOOD CLEATS. THE CONTRACTOR SHALL BE HE RESPONSIBLE FOR DAMAGE RESULTING FROM THESE ACTIONS. USE OF AXES OR CLIMBING SPURS
- G. REMOVE SHRUBS TO BE SAVED, TAKING A SUFFICIENT EARTH BALL AT THE ROOTS TO MAINTAIN THE SHRUB. TEMPORARILY REPLANT IF REQUIRED, AND REPLACE AT THE COMPLETION OF CONSTRUCTION IN CONDITION EQUALING THE ORIGINAL.

FOR TRIMMING WILL NOT BE PERMITTED. PROVIDE CLIMBING ROPES DURING TRIMMING.

H. TREE AND SHRUB REPAIR WHERE REQUIRED SHALL BE PERFORMED BY A TREE SURGEON. I. TREES AND SHRUBS INTENDED TO REMAIN WHICH ARE DAMAGED BEYOND REPAIR BY CONSTRUCTION,

SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

# SITE NOTES:

- 1. THE CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH TITLE 29 OF FEDERAL REGULATIONS, PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION(OSHA).
- 2. HIGHWAY DRAINAGE ALONG ALL ROADS AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF MUD,
- DEBRIS ETC. AT ALL TIMES.
- 3. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING INFORMATION. 4. THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER BEFORE DEVIATING FROM THESE PLANS.
- 5. IN ALL TRENCH EXCAVATIONS, CONTRACTOR MUST LAY THE TRENCH SIDE SLOPES BACK TO A SAFE SLOPE, USE A TRENCH SHIELD OR PROVIDE SHEETING AND BRACING IF REQUIRED.
- 6. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN A MINIMUM OF 2' OF COVER OVER ALL EXISTING AND NEW STORM AND SANITARY PIPES DURING CONSTRUCTION.
- 7. ALL EXISTING SURFACE APPURTENANCES (I.E. WATER VALVES, CATCH BASIN FRAMES AND GRATES,
- MANHOLE COVERS) WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO FINISHED GRADE. 8. UNLESS COVERED BY THE CONTRACT SPECIFICATIONS OR AS NOTED ON THE PLANS, ALL WORK SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED JANUARY 1, 2020 AND ANY SUBSEQUENT APPENDICES.

## **UTILITY NOTES:**

- 1. APPROXIMATE LOCATION OF KNOWN UTILITY STRUCTURES AND FACILITIES THAT MAY BE ENCOUNTERED WITHIN AND ADJACENT TO THE LIMITS OF WORK ARE SHOWN ON THE PLANS. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED BY THE ENGINEER. THE CONTRACTOR IS ADVISED TO VERIFY IN FIELD ALL THE FACTS CONCERNING THE UTILITY LOCATIONS AND OTHER CONSTRUCTION OBSTACLES PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES WHICH MAY AFFECT PROJECT DESIGN AND/OR SCOPE.
- 2. ALL ABANDONED WATER LINES SHALL BE CUT AND CAPPED IN ACCORDANCE WITH WESTCHESTER COUNTY REQUIREMENTS.
- 3. TRENCH DETAILS ARE INTENDED TO PROVIDE INFORMATION REGARDING BACKFILLING MATERIALS AND GENERAL MATERIAL DEPTHS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND SHALL PROVIDE APPROPRIATE SAFETY MEASURES, SHEETING AND BRACING AS NECESSARY. SHEETING CONDITIONS ARE TO BE DESIGNED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL. THE DESIGN FNGINEER ASSUMES NO RESPONSIBILITY OR LIABILITY FOR FIELD CONDITIONS, TRENCHING OR BACKFILLING OPERATIONS DURING CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS AND DETAILS FOR TRENCH EXCAVATION.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND PRECLUDING PONDING OF WATER IN ALL AREAS. DEWATERING OPERATIONS SHALL BE IN ACCORDANCE WITH NYSDEC REGULATIONS, THE PROJECT STORMWATER POLLUTION PREVENTION PLAN AND WESTCHESTER COUNTY.
- 5. THE CONTRACTOR SHALL COMPLY WITH THE LATEST OSHA CONFINED SPACE ENTRY REQUIREMENTS (29 CFR PART 1910).
- 6. THE CONTRACTOR SHALL COMPLY WITH THE LATEST REVISED OSHA SHEETING REQUIREMENTS (29 CFR PART 1926.650, 651, 652).
- 7. ALL EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE AND THAT INTERFERE WITH THE WORK SHALL BE RELOCATED UNLESS OTHERWISE SHOWN.
- 8. ALL ABANDONED PIPES SHALL BE PLUGGED, REMOVED, CRUSHED OR FILLED WITH A SUITABLE MATERIAL AS DIRECTED BY THE ENGINEERS, ABANDONED PIPES 12" INSIDE DIAMETER AND LARGER MUST BE REMOVED, FILLED OR CRUSHED IN PLACE. SMALLER PIPES SHALL BE PLUGGED AND ABANDONED IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 9. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES TO DETERMINE THEIR SCHEDULE FOR PERFORMING UTILITY RELOCATION AND INSTALLATION WORK. THE CONTRACTOR SHALL SCHEDULE THEIR WORK ACCORDINGLY IN ORDER TO NOT INTERFERE WITH THE WORK OF THE UTILITY
- 10. TRENCHES SHALL BE BACKFILLED WITHOUT DELAY. OPEN TRENCHES SHALL BE TEMPORARILY SUPPORTED AND STEEL PLATED WHEN WORK IS NOT IN PROGRESS. CONTRACTOR MUST ENSURE NO TRENCHES ARE LEFT OPEN OVERNIGHT. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF STEEL PLATES THAT ARE CAPABLE OF SAFELY SUPPORTING THE SUBJECTED LOADS.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY LIGHTING WITHIN THE LIMITS OF CONSTRUCTION AND FOR ALL AREAS WHERE WHERE EXISTING STREET AND AREA LIGHTING SHUT-DOWN IS REQUIRED TO INSTALL NEW LIGHTING AND ELECTRICAL SERVICE.
- 12. ALL CMP PIPES SHALL FOLLOW NYSDOT SECTION 602-2 AND 707.02, BE HELICAL BITUMINOUS COATED, SHALL HAVE GASKETED AND BANDED JOINTS AND BE OF THE FOLLOWING PIPE GAUGES UNLESS OTHERWISE SPECIFIED.
- 10" TO 21" 14 GAUGE 24" TO 30" - 12 GAUGE 30" TO 60" - 10 GAUGE

SEWER-COMPACT WITH APPROVED EQUIPMENT

- 13. IN INSTANCES WHERE THE STORM SEWER CROSSES THE SANITARY SEWER A CRUSHED STONE ENCASEMENT SHALL BE PROVIDED AROUND THE SANITARY SEWER UP TO THE STORM
- 14. ALL CATCH BASINS AND STORM MANHOLES WITHIN PAVEMENT TO BE CONSTRUCTED TO
- WITHSTAND H-20 LOADING. 15. ALL EXISTING CATCH BASINS WITHIN WORK LIMITS TO BE CLEANED OF ANY DEBRIS OR SILT.

# GRADING NOTES:

COVER IS ESTABLISHED.

SEEDING WITHIN 2 WEEKS OF DISTURBANCE.

- 1. REMOVE AND STOCKPILE TOPSOIL AS DIRECTED BY THE CONSTRUCTION MANAGER. REPLACE TOPSOIL TO A MINIMUM 4" DEPTH. ALL DISTURBED AREAS TO BE HYDROSEEDED AS DIRECTED BY THE CONSTRUCTION MANAGER.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS, INCLUDING SILT SINK AND SILT FENCE, EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE VEGETATION HAS OCCURRED COMPLETELY.
- 3. ALL SILT FENCE TO BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
- GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL MANUAL, WESTCHESTER COUNTY HEALTH DEPARTMENT, AND THE CITY OF RYE REQUIREMENTS. 6. ALL INLETS TO THE STORM SEWER SHALL HAVE STONE DROP INLET PROTECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE BEST MANAGEMENT PRACTICES (BMP'S) UNTIL GROUND

5. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE

- 7. SILT FENCE, JUTE MESH, AND/OR EROSION CONTROL BLANKETS WILL BE USED ON STEEP SLOPES AND WHEREVER NECESSARY TO CONTROL EROSION AND SILTATION OF EXISTING DRAINAGE SYSTEMS AS ORDERED BY THE ENGINEER OR SPECIFIED ON PLANS.
- 8. THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL, EROSION CONTROL STRUCTURES, TREE PROTECTION AND PRESERVATION

9. ALL DISTURBED AREAS SHALL BE PROTECTED FROM EROSION EITHER BY MULCH OR TEMPORARY

# SOIL EROSION AND SEDIMENT CONTROL NOTES:

- 1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN.
- 2. ANY DISTURBED AREAS THAT WILL NOT RECEIVE PERMANENT RESTORATION WITHIN TEN (10) DAYS AFTER FINAL GRADING, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY COVER. THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- 3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS
- 4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN THE STATE OF NEW YORK.
- 5. A SUB-BASE COURSE DETAIL WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE ROADS, DRIVEWAYS PARKING AREAS AND SIDEWALKS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING
- 6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E.; STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY COVER OF STRAW MULCH OR A SUITABLE EQUIVALENT AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO NYS STANDARDS
- 7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E.; SLOPES GREATER THAN 3:1).
- 8. IN ACCORDANCE WITH THE STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, ANY SOIL HAVING A ph OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5 OR GREATER PRIOR TO SEEDBED PREPARATION.
- 9. WESTCHESTER COUNTY AND THE ENGINEER, SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
- 10. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WIL Permanently adjust the soil conditions and render it suitable for vegetative cover. If THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- 11. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO MAINTAIN DUST CONTROL. DIRT HAUL ROADS SHALL BE SPRINKLED WITH WATER OR GIVEN A SURFACE OF CRUSHED STONES OR WOOD CHIPS AS REQUIRED. VEHICLES SHALL BE CLEANED, AS NECESSARY, PRIOR TO USING PUBLIC STREETS. PAVED ROADS SHALL BE SPRINKLED WITH WATER.
- 12. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE LOCATED IN THE FIELD AS REQUIRED OR AT THE DIRECTION OF THE ENGINEER. THE CONTRACT DRAWING ARE NOT INTENDED TO SHOW THE LOCATION AND DETAILS FOR ALL SUCH DEVICES BUT ARE TO BE USED AS A REASONABLE
- 13. ANY CHANGES TO THE SOIL AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO WESTCHESTER COUNTY AND THE ENGINEER. THE REVISED PLANS MUST BE PREPARED BY THE CONTRACTOR AND MUST MEET ALL CURRENT NYS SOIL EROSION AND SEDIMENT CONTROL PRACTICES.
- 14. CONTRACTOR SHALL OBTAIN ALL REQUIRED SEDIMENT CONTROL PERMITS.
- 15. UPON COMPLETION OF CONSTRUCTION WORK AND AFTER FINAL GRADING AND WHEN PERMANENT STABILIZATION HAS BEEN ESTABLISHED. STRAW BALES. SILT FENCES AND ALL OTHER SOIL PLAN APPURTENANCES WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, UNLESS ORDERED TO
- 16. ALL EXCESS EXCAVATED MATERIAL, EXCEPT FOR TOP SOIL, WILL BE REMOVED FROM THE SITE BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 17. CONDUIT OUTLETS AND CATCH BASIN INLETS MUST BE PROTECTED PRIOR TO START OF
- 18. THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION OPERATIONS FOR REVIEW AND SUBMITTAL TO WESTCHESTER COUNTY AND THE ENGINEER.
- 19. THE CONTRACTOR SHALL MEET ENGINEER ON-SITE TO DEFINE THOSE AREAS WHICH WILL REQUIRE SOIL EROSION AND SEDIMENT CONTROL FACILITIES, DISCUSS THEIR CONSTRUCTION AND THEREAFTER PROVIDE DETAILED PLANS FOR REVIEW OF SUCH FACILITIES BY WESTCHESTER COUNTY AND THE
- 20. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE WHERE POSSIBLE PRIOR TO, OR IMMEDIATELY FOLLOWING SITE AND ACCESS CLEARING
- 21. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE AND MAINTAINED; NCLUDING SILT AND SEDIMENT REMOVAL, UNTIL CONSTRUCTION IS COMPLETED, AREA STABILIZED AND THE ENGINEER SO DIRECTS.
- 22. CONTRACTOR SHALL CONFINE SOIL DISTURBANCE ACTIVITY TO THE AREAS CONTAINED WITHIN THE "LIMIT OF DISTURBANCE" LINES EXCEPT AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE AND COORDINATION WITH ADJACENT CONTRACTS. SUCH ACTIVITY SHALL SHALL ESSENTIALLY CONSIST OF CLEARING, GRUBBING, GRADING AND CONSTRUCTION IN AREAS DEFINED AS RUII DINGS, PIPELINE. PARKING AREAS, DRIVES AND WALKWAYS OR AS MAY BE REQUIRED DUE TO GRADE CHANGES OR
- 23. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. SEDIMENT FILTER SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE DETAILS OF DESIGN AND CONSTRUCTION SHALL PREPARED AND SUBMITTED BY THE CONTRACTOR TO THE
- 24. SOIL STABILIZATION METHODS SHALL BE UNDERTAKEN COINCIDENTALLY WITH ALL SITE IMPROVEMENTS AND CONTINUE DURING THE CONSTRUCTION ACTIVITY PERIOD.

ENGINEER, AND ALL OTHER PERTINENT AGENCIES FOR REVIEW.

PLAN (SWPPP).

25. THE LIMITS OF FENCING FOR TREE PROTECTION WILL BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION AND WILL INCLUDE THE TREE CANOPY.

26. COMPLY WITH GENERAL PERMIT GP-0-20-001, AS OUTLINED IN THE STORM WATER PREVENTION

**INFORMATION** 

3 Aerial Way, Syosset, New York 11791

(516) 938-5476



EVISION MADE REVISION

AS BUILT - CHANGES AS NOTED

DATE

CONTRACTOR

SIGNATURE

RECORD DRAWING CERTIFICATION

NAME

TITLE

SIGNATURE \_\_

AS BUILT - NO CHANGES

DATE

PROJECT COORDINATOR

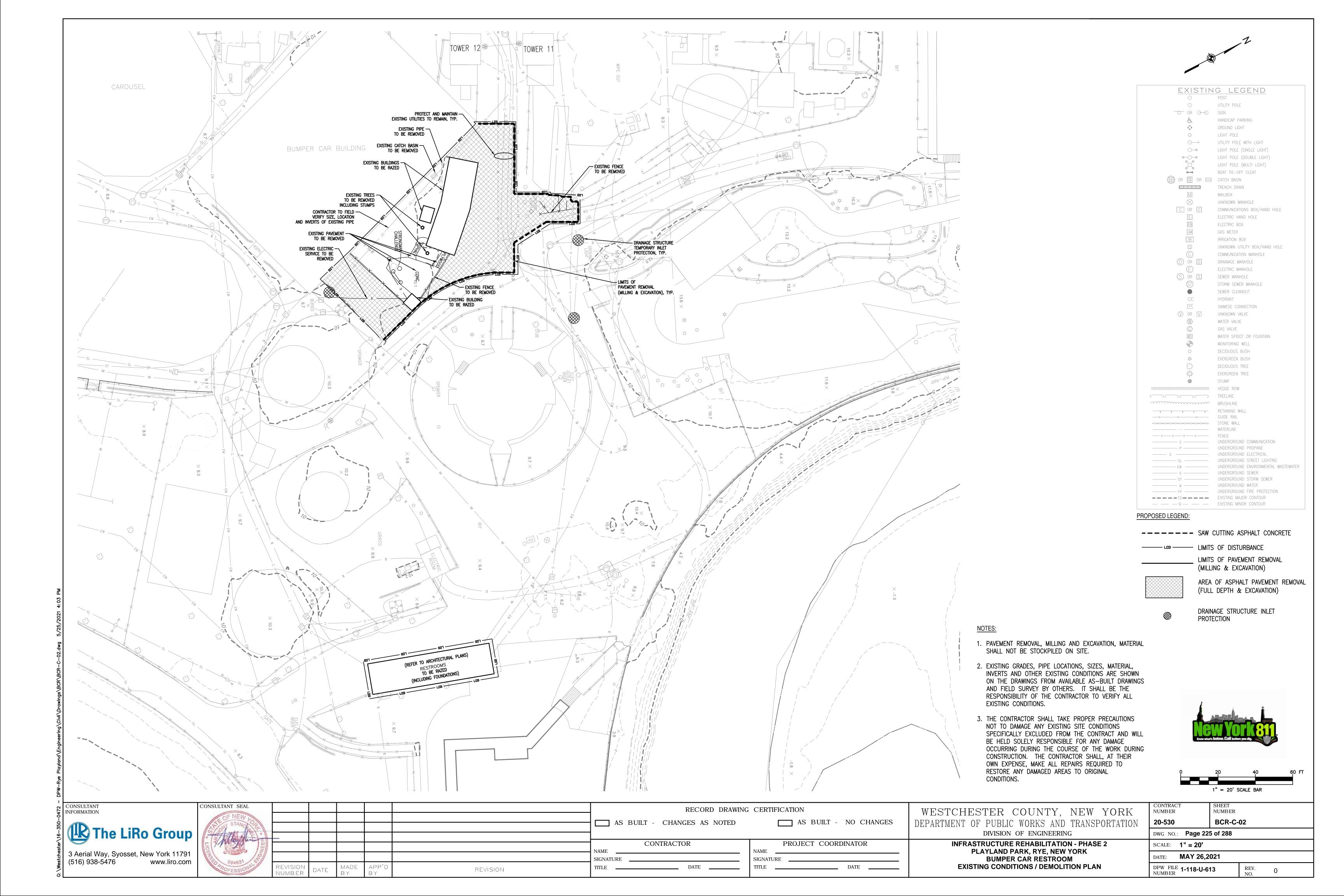
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK

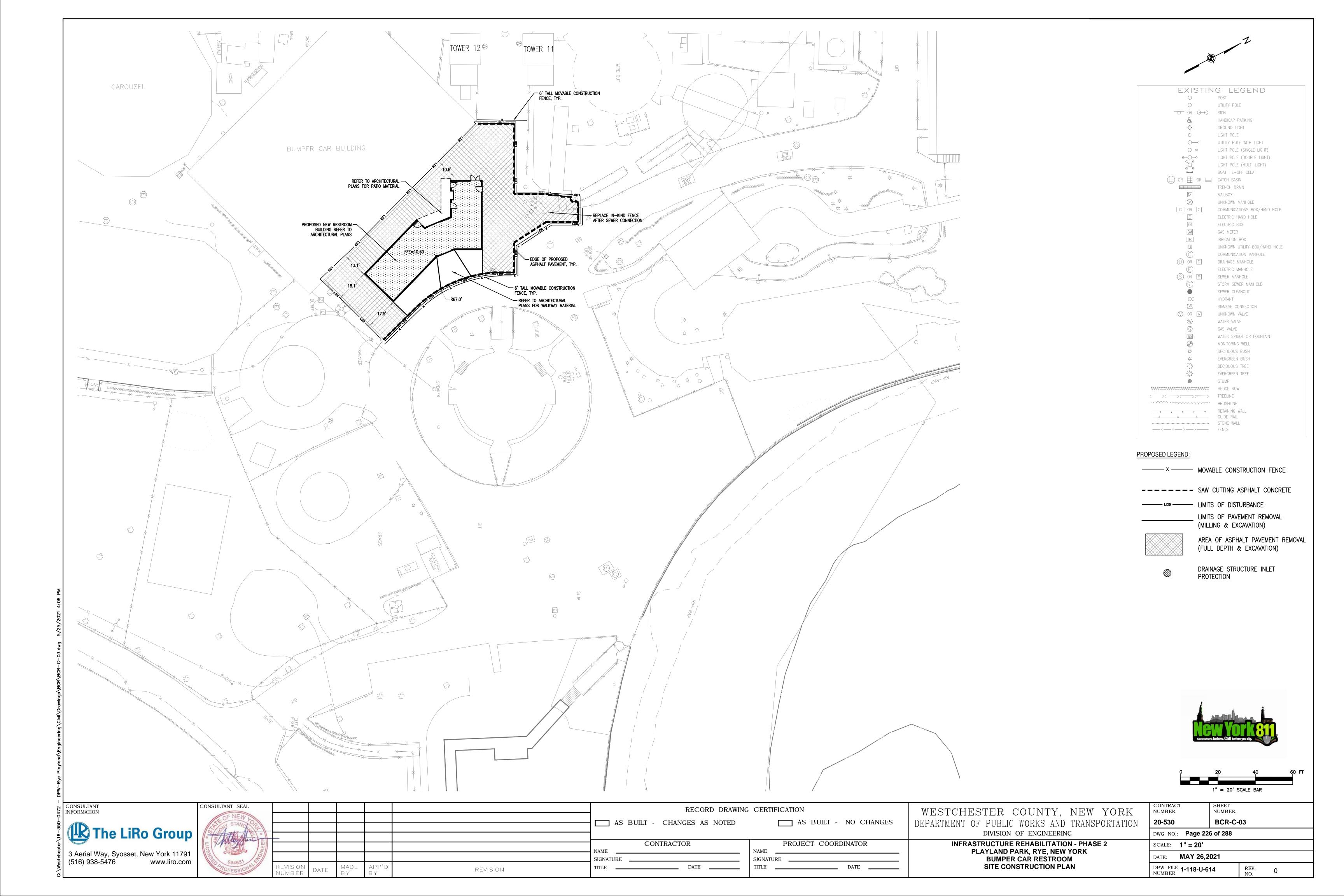
**BUMPER CAR RESTROOM** 

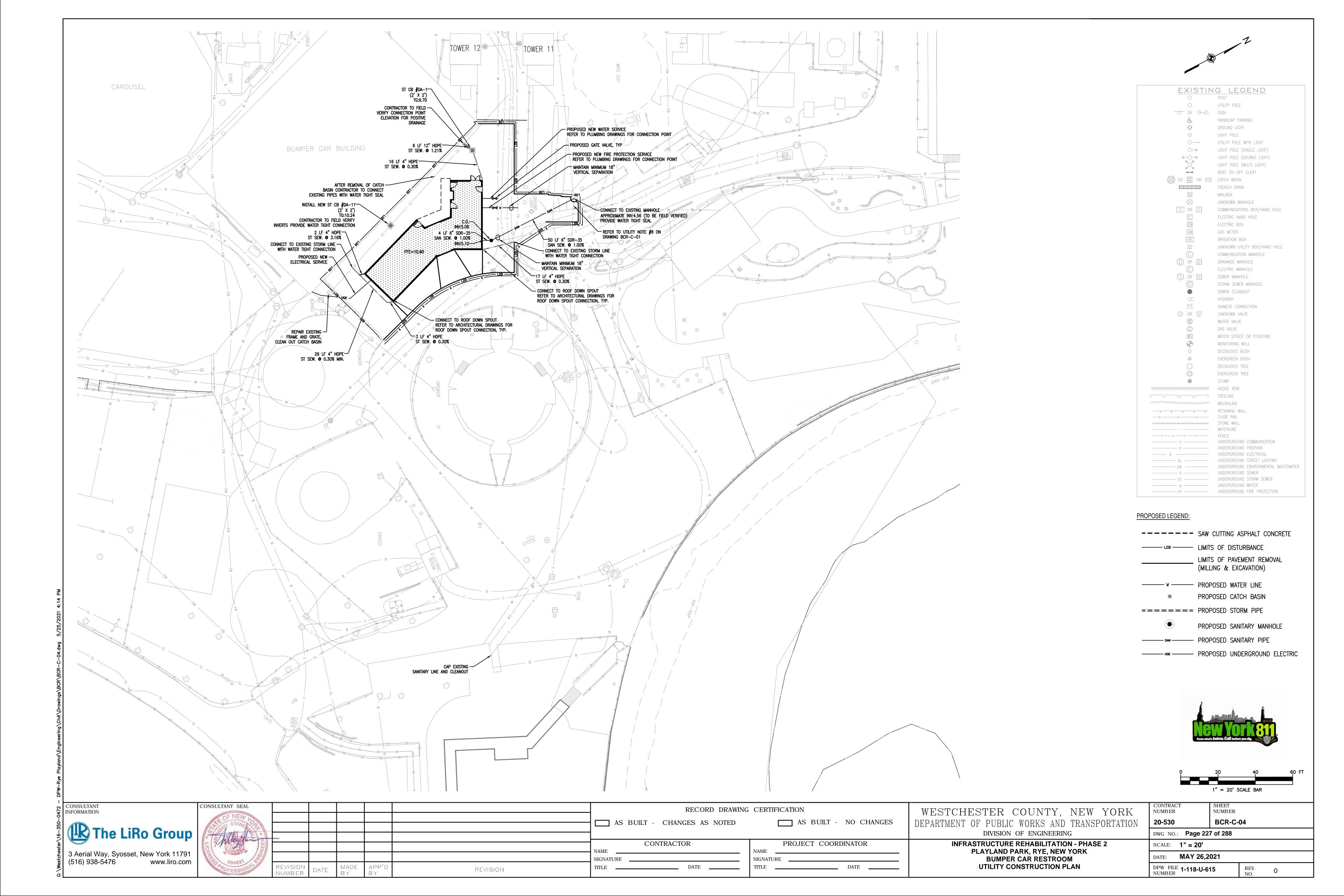
**GENERAL NOTES** 

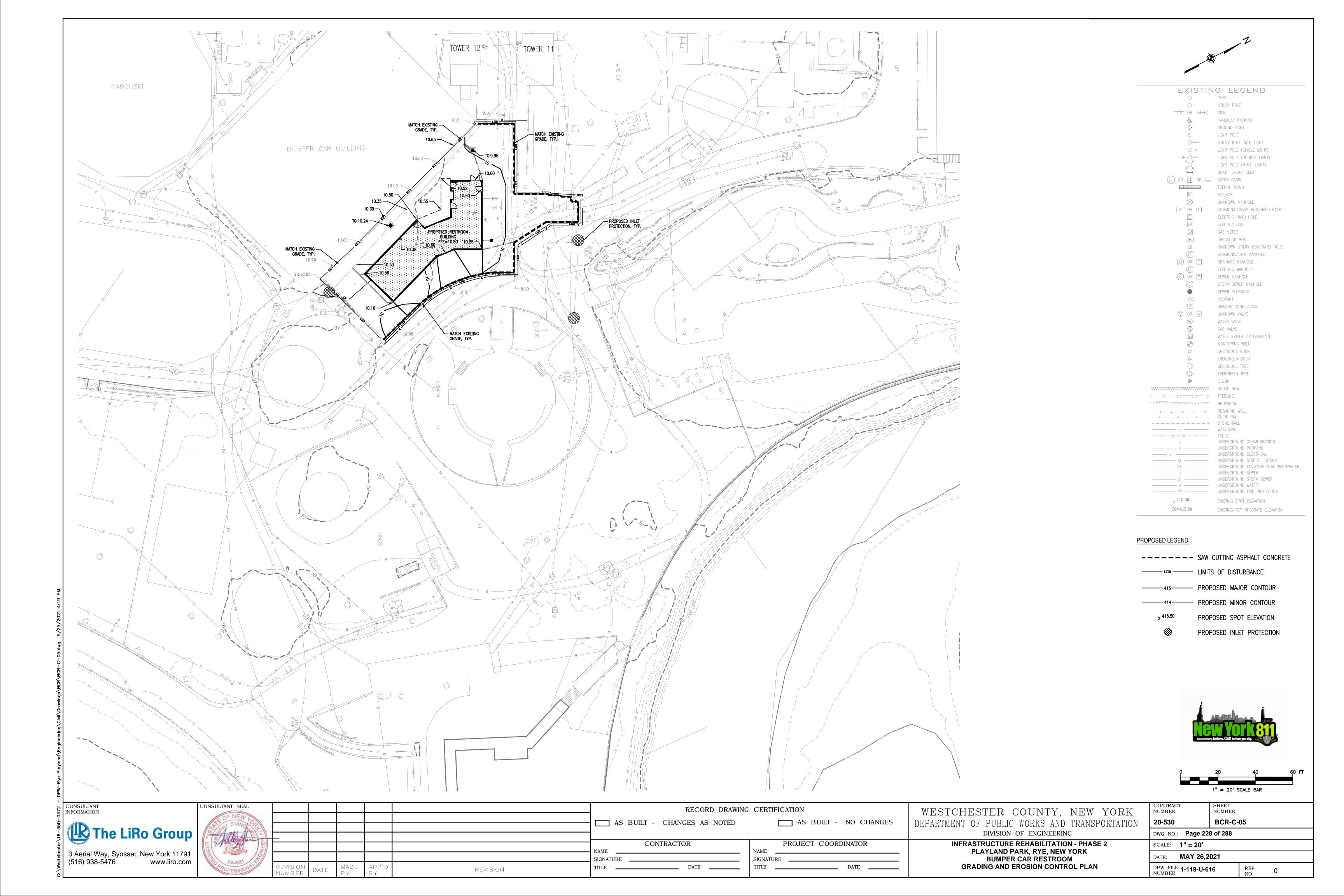
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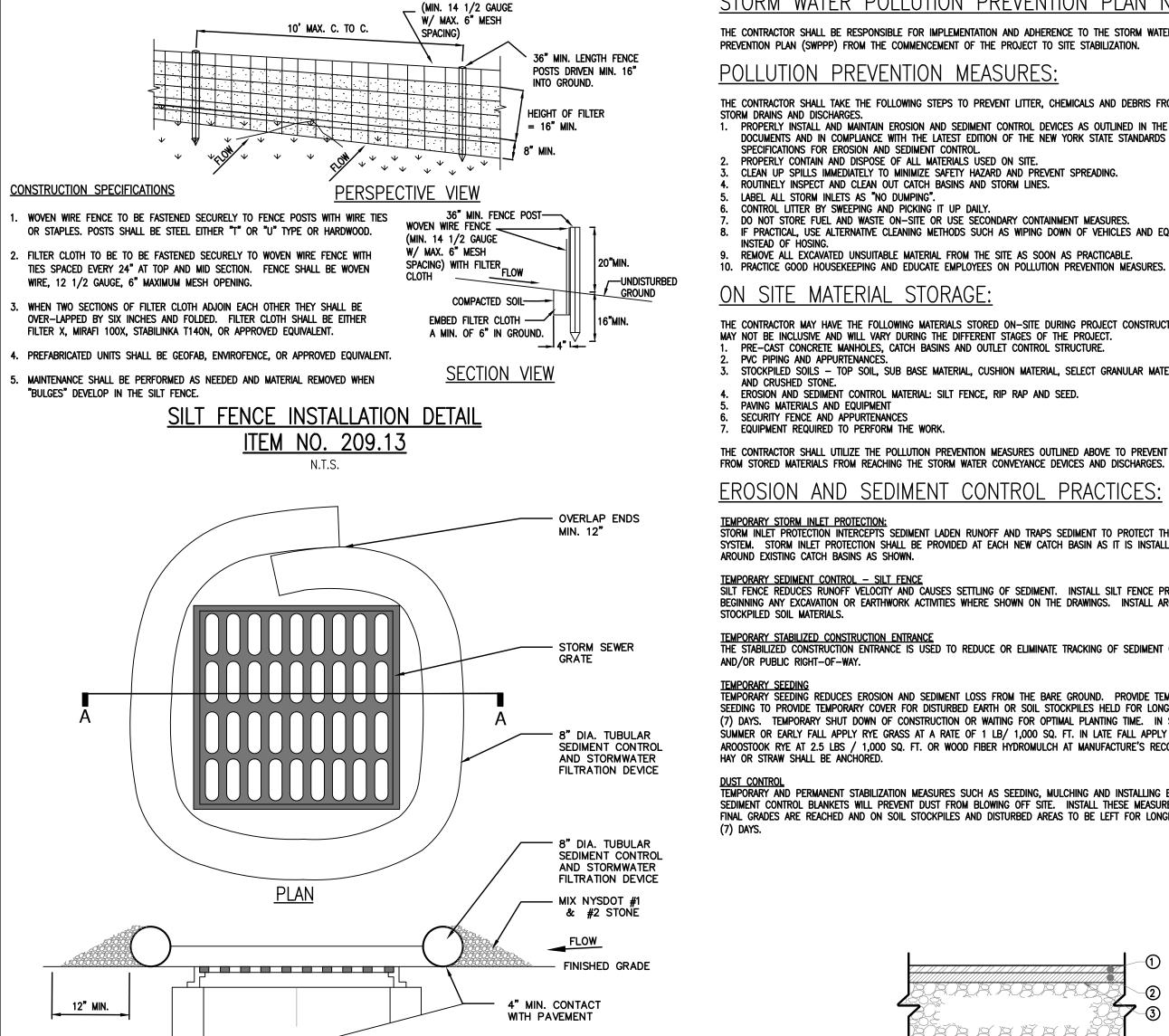
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WOVEN WIRE FENCE

# <u>NOTES:</u> 1. TUBULAR SEDIMENT CONTROL AND STORMWATER FILTRATION DEVICES SHALL BE FILTREXX FILTERSOXX, OR EQUIVALENT.

SECTION A-A

- 2. REPLACE AND DISPOSE OF PER MANUFACTURERS SPECIFICATIONS.
- 3. THIS PRACTICE INCLUDES SANDBAGS, COMPOST FILTER SOCKS, GEO-TUBES FILLED WITH BALLAST, AND MANUFACTURED SURFACE BARRIERS. PEA GRAVEL CAN ALSO BE USED IN CONJUNCTION WITH THESE PRACTICES TO IMPROVE PERFORMANCE. WHEN INLET IS NOT AT A LOW POINT, AND IS OFF-SET FROM THE PAVEMENT OR GUTTER LINE, PROTECTION SHOULD BE SELECTED AND INSTALLED SO THAT FLOWS ARE NOT DIVERTED AROUND INLET.
- 4. THE DRAINAGE AREA SHOULD BE LIMITED TO 1 ACRE AT THE DRAINAGE INLET. ALL PRACTICES WILL BE PLACED AT THE INLET PERIMETER OR BEYOND TO MAXIMIZE THE FLOW CAPACITY OF THE INLET. PRACTICES SHALL BE WEIGHTED, BRACED, TIED, OR OTHERWISE ANCHORED TO PREVENT MOVEMENT OR SHIFTING OF LOCATION ON PAVED SURFACES. TRAFFIC SAFETY SHALL BE INTEGRATED WITH THE USE OF THIS PRACTICE. ALL PRACTICES SHOULD BE MARKED WITH TRAFFIC SAFETY CONES AS APPROPRIATE. STRUCTURE HEIGHT SHALL NOT CAUSE FLOODING OR BY-PASS FLOW THAT WOULD CAUSE ADDITIONAL EROSION. THE STRUCTURE SHOULD BE INSPECTED AFTER EVERY STORM EVENT. ANY SEDIMENT SHOULD BE REMOVED AND DISPOSED OF ON THE SITE. ANY BROKEN O DAMAGED COMPONENTS SHOULD BE REPLACED. CHECK ALL MATERIALS FOR PROPER ANCHORING AND SECURE AS NECESSARY.
- IF USING THE COMPOST FILTER SOCK, THE COMPOST INFILL SHALL BE WELL DECOMPOSED (MATURED AT LEAST 3 MONTHS), WEED-FREE, ORGANIC MATTER. IT SHALL BE AEROBICALLY COMPOSTED, POSSESS NO OBJECTIONABLE ODORS, AND CONTAIN LESS THAN 1%, BY DRY WEIGHT, OF MANMADE FOREIGN MATTER. WHEN USING COMPOST FILTER SOCKS ADJACENT TO SURFACE WATER, THE COMPOST SHOULD HAVE LOW NUTRIENT VALUE.

DRAINAGE STRUCTURE INLET PROTECTION, **TEMPORARY** 

# STORM WATER POLLUTION PREVENTION PLAN NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND ADHERENCE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FROM THE COMMENCEMENT OF THE PROJECT TO SITE STABILIZATION.

# POLLUTION PREVENTION MEASURES:

THE CONTRACTOR SHALL TAKE THE FOLLOWING STEPS TO PREVENT LITTER, CHEMICALS AND DEBRIS FROM ENTERING STORM DRAINS AND DISCHARGES. PROPERLY INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES AS OUTLINED IN THE PROJECT

DOCUMENTS AND IN COMPLIANCE WITH THE LATEST EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. PROPERLY CONTAIN AND DISPOSE OF ALL MATERIALS USED ON SITE.

CLEAN UP SPILLS IMMEDIATELY TO MINIMIZE SAFETY HAZARD AND PREVENT SPREADING. ROUTINELY INSPECT AND CLEAN OUT CATCH BASINS AND STORM LINES. LABEL ALL STORM INLETS AS "NO DUMPING".

REMOVE ALL EXCAVATED UNSUITABLE MATERIAL FROM THE SITE AS SOON AS PRACTICABLE.

CONTROL LITTER BY SWEEPING AND PICKING IT UP DAILY. DO NOT STORE FUEL AND WASTE ON-SITE OR USE SECONDARY CONTAINMENT MEASURES. 8. IF PRACTICAL, USE ALTERNATIVE CLEANING METHODS SUCH AS WIPING DOWN OF VEHICLES AND EQUIPMENT

# ON SITE MATERIAL STORAGE:

THE CONTRACTOR MAY HAVE THE FOLLOWING MATERIALS STORED ON-SITE DURING PROJECT CONSTRUCTION. THE LIST MAY NOT BE INCLUSIVE AND WILL VARY DURING THE DIFFERENT STAGES OF THE PROJECT. PRE-CAST CONCRETE MANHOLES, CATCH BASINS AND OUTLET CONTROL STRUCTURE.

PVC PIPING AND APPURTENANCES. STOCKPILED SOILS - TOP SOIL, SUB BASE MATERIAL, CUSHION MATERIAL, SELECT GRANULAR MATERIAL, GRAVEL AND CRUSHED STONE. EROSION AND SEDIMENT CONTROL MATERIAL: SILT FENCE, RIP RAP AND SEED.

PAVING MATERIALS AND EQUIPMENT SECURITY FENCE AND APPURTENANCES EQUIPMENT REQUIRED TO PERFORM THE WORK.

THE CONTRACTOR SHALL UTILIZE THE POLLUTION PREVENTION MEASURES OUTLINED ABOVE TO PREVENT POLLUTANTS FROM STORED MATERIALS FROM REACHING THE STORM WATER CONVEYANCE DEVICES AND DISCHARGES.

# **EROSION AND SEDIMENT CONTROL PRACTICES:**

<u>Temporary storm inlet protection:</u> Storm inlet protection intercepts sediment laden runoff and traps sediment to protect the drainage SYSTEM. STORM INLET PROTECTION SHALL BE PROVIDED AT EACH NEW CATCH BASIN AS IT IS INSTALLED AND AROUND EXISTING CATCH BASINS AS SHOWN.

TEMPORARY SEDIMENT CONTROL — SILT FENCE
SILT FENCE REDUCES RUNOFF VELOCITY AND CAUSES SETTLING OF SEDIMENT. INSTALL SILT FENCE PRIOR TO BEGINNING ANY EXCAVATION OR EARTHWORK ACTIVITIES WHERE SHOWN ON THE DRAWINGS. INSTALL AROUND ANY STOCKPILED SOIL MATERIALS.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
THE STABILIZED CONSTRUCTION ENTRANCE IS USED TO REDUCE OR ELIMINATE TRACKING OF SEDIMENT ONTO STREETS AND/OR PUBLIC RIGHT-OF-WAY.

TEMPORARY SEEDING REDUCES EROSION AND SEDIMENT LOSS FROM THE BARE GROUND. PROVIDE TEMPORARY SEEDING TO PROVIDE TEMPORARY COVER FOR DISTURBED EARTH OR SOIL STOCKPILES HELD FOR LONGER THAN SEVEN (7) DAYS. TEMPORARY SHUT DOWN OF CONSTRUCTION OR WAITING FOR OPTIMAL PLANTING TIME. IN SPRING, SUMMER OR EARLY FALL APPLY RYE GRASS AT A RATE OF 1 LB/ 1,000 SQ. FT. IN LATE FALL APPLY CERTIFIED AROOSTOOK RYE AT 2.5 LBS / 1,000 SQ. FT. OR WOOD FIBER HYDROMULCH AT MANUFACTURE'S RECOMMENDED RATE. HAY OR STRAW SHALL BE ANCHORED.

TEMPORARY AND PERMANENT STABILIZATION MEASURES SUCH AS SEEDING, MULCHING AND INSTALLING EROSION AND SEDIMENT CONTROL BLANKETS WILL PREVENT DUST FROM BLOWING OFF SITE. INSTALL THESE MEASURES AS SOON AS Final grades are reached and on soil stockpiles and disturbed areas to be left for longer than seven (7) DAYS.

# PHASING OF EROSION AND SEDIMENT CONTROL PRACTICES:

1. PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES ON THE SITE, THE CONTRACTOR SHALL MEET WITH THE OWNERS REPRESENTATIVE AND DESIGNER TO DISCUSS THE STORM WATER POLLUTION PREVENTION PLAN.

PRIOR TO COMMENCING ANY EXCAVATION PROCEDURES, INSTALL SILT FENCE AS SHOWN ON THE PLANS. INSTALL STABILIZED CONSTRUCTION ENTRANCE.

4. AS THE NEW CATCH BASINS ARE INSTALLED, PROVIDE TEMPORARY INLET PROTECTION. 5. AS SOIL MATERIAL IS EXCAVATED OR STOCKPILED, PROVIDE A SILT FENCE ENCLOSURE AROUND THE PILE. IF THE PILE IS TO REMAIN FOR LONGER THAN SEVEN (7) DAYS, TEMPORARILY SEED THE PILE. 6. DO NOT LEAVE DISTURBED AREAS NOT TO BE COVERED BY IMPERVIOUS SURFACE BARE FOR LONGER THAN SEVEN

AFTER FINAL GRADING OF VEGETATED AREAS, PROVIDE PERMANENT SEEDING. 8. UPON FINAL STABILIZATION OF THE SITE, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES. INSPECT ALL PERMANENT EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT DEVICES. REPLACE ANY FAILING OR UNSATISFACTORY MEASURES. CLEAN ALL STORMWATER CATCH BASINS AND PIPING.

# EROSION AND SEDIMENT CONTROL AND STORMWATER CONTROL DEVICE MAINTENANCE:

# CONSTRUCTION DURATION ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED WEEKLY.

(7) DAYS, ROUGH GRADE THE AREAS AND TEMPORARILY SEED.

SILT FENCE SHALL BE REPLACED WHEN TORN, IS BULGING OR NO LONGER MEETING THE INSTALLATION DETAILS. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION TO PREVENT TRACKING OF SEDIMENT ON TO ROADS AND PUBLIC RIGHTS-OF-WAY. INSPECT TOP DRESSING AND PROVIDE ADDITIONAL

3. DRAINAGE STRUCTURES AND PIPING SHALL BE CHECKED FOR CLOGGING AND SEDIMENT ACCUMULATION AND CLEANED IF REQUIRED.

AT THE PROJECT COMPLETION AND PRIOR TO PROJECT CLOSE OUT, THE CONTRACTOR SHALL INSPECT ALL PERMANENT EROSION AND CONTROL AND STORMWATER MANAGEMENT PRACTICES.

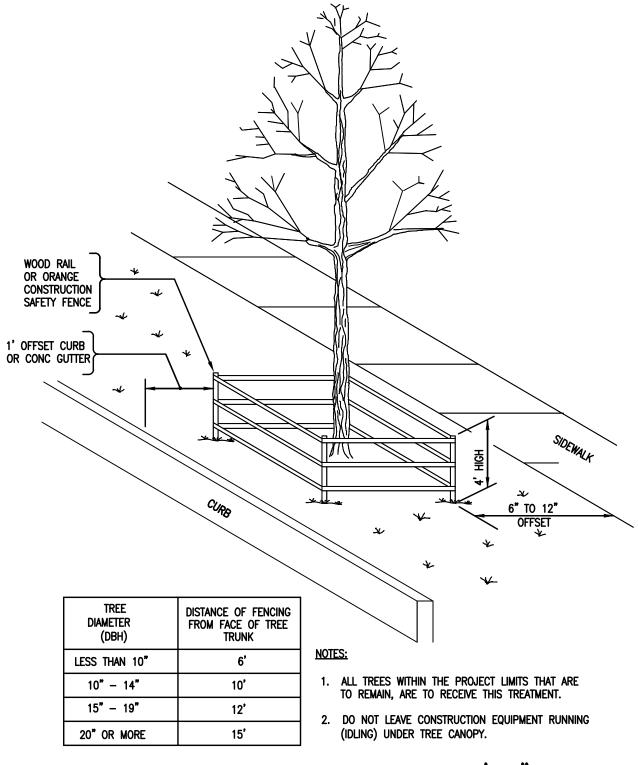
1. ACCEPTABLE VEGETATION ESTABLISHMENT IN ACCORDANCE WITH SPECIFICATIONS. DRAINAGE STRUCTURES AND PIPING SHALL BE CHECKED FOR CLOGGING AND SEDIMENT ACCUMULATION AND CLEANED IF REQUIRED.

# MAINTENANCE OF PERMANENT STORMWATER MANAGEMENT PRACTICES

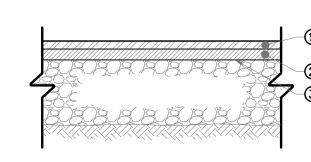
1. DRAINAGE STRUCTURES AND PIPING SHALL BE CHECKED FOR CLOGGING AND SEDIMENT ACCUMULATION AND

# SITE ASSESSMENT AND INSPECTIONS

COMPLY WILL ALL CONDITIONS INCLUDED IN THE SPDES PERMIT, PART III.D.3 THROUGH PART III.D.5. THE REQUIREMENTS IN THESE SUBSECTIONS OF THE SPDES PERMIT TAKE PRECEDENCE OVER NOTES ON THIS DRAWING AND ON THE EROSION AND SEDIMENT CONTROL PLAN WHERE CONTRADICTIONS BETWEEN THESE DRAWINGS AND THE SPDES



TREE PROTECTION SYSTEM 5'-0" ITEM NO. 611.21050009



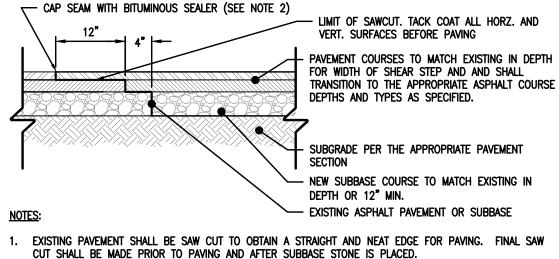
- 1" TOP COURSE, 12.5 F2 TOP COURSE HMA, 80 SERIES COMPACTION NYSDOT ITEM 402.128204
- 2) 1" BINDER COURSE, 25 F9 BINDER COURSE HMA, 80 SERIES COMPACTION NYSDOT ITEM 402.258904
- 3 TACK COAT BETWEEN LAYERS, STRAIGHT TACK COAT, ITEM 407.0103
- SLOPE SHALL MATCH EXISTING OR BE AS DIRECTED BY THE ENGINEER TO PROVIDE POSITIVE DRAINAGE.
- AND/OR FILLING JOINTS.
- 3. SEE PLAN FOR LIMITS OF MILLING AND RESURFACING.

- 2" TOP COURSE, 12.5 F2 TOP COURSE HMA, 80 SERIES COMPACTION NYSDOT ITEM 402.128204
- 2" BINDER COURSE, 25 F9 BINDER COURSE HMA, 80 SERIES
- COMPACTION NYSDOT ITEM 402.258904 3 4" SUBBASE COURSE, SUBBASE COURSE, TYPE 2
- (4) GEOTEXTILE SEPARATION NYSDOT ITEM 207.21
- (5) COMPACTED SUBGRADE

- ALL SEAMS BETWEEN EXISTING AND NEW SURFACES ARE TO BE SEALED WITH ASPHALT FILLER ITEM 633.13-CLEANING, SEALING
- COMPACT SUBGRADE TO A MODIFIED PROCTOR DENSITY OF 95% 2. SUBBASE COURSE SHALL HAVE NO MORE THAN (7%) SEVEN PERCENT
- BY WEIGHT FINER THAN NO. 200 SIEVE. IMPRINTED PATTERN SHOWN IS FOR GRAPHICAL REPRESENTATIONS ONLY. ALL IMPRINTING/PATTERNING LAYOUTS AND POSITIONING SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO ACTUAL

# PAVEMENT MILLING AND **RESURFACING**

# **ASPHALT PAVEMENT SECTION**



- 2. ADD COAL TAR SEAL COAT WITH UNVULCANIZED RUBBER AT JOINT ALONG SAWCUT SEAM. SEALANT SHALL BE STRUCK OFF FLUSH WITH PAVEMENT SURFACE.
- 3. DEPTH OF SAWCUT SHALL BE DETERMINED ONCE THE PAVEMENT CROSS SECTION HAS BEEN EXPOSED.

# SHEAR STEP DETAIL N.T.S.



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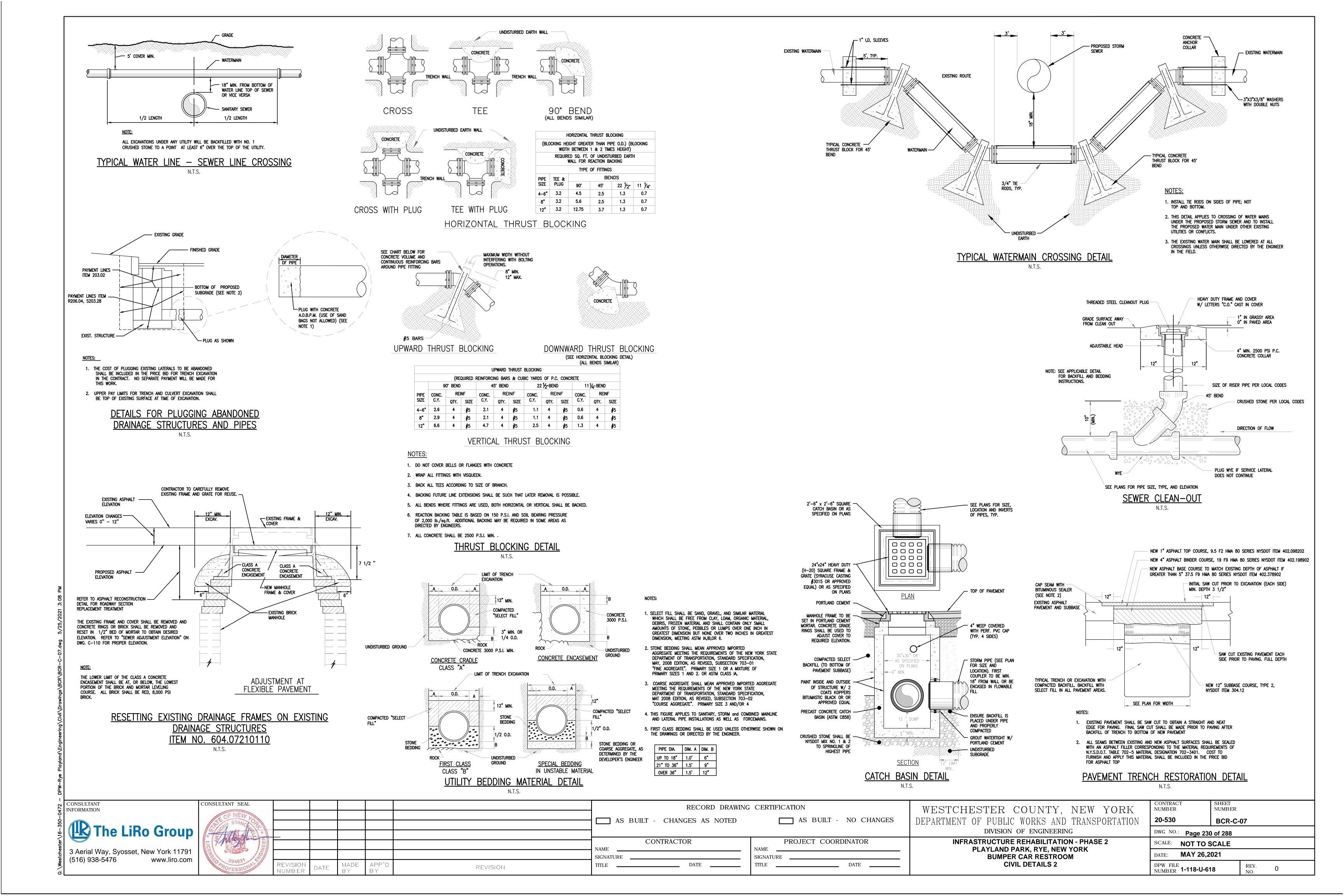
RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED CONTRACTOR \_\_\_\_ DATE

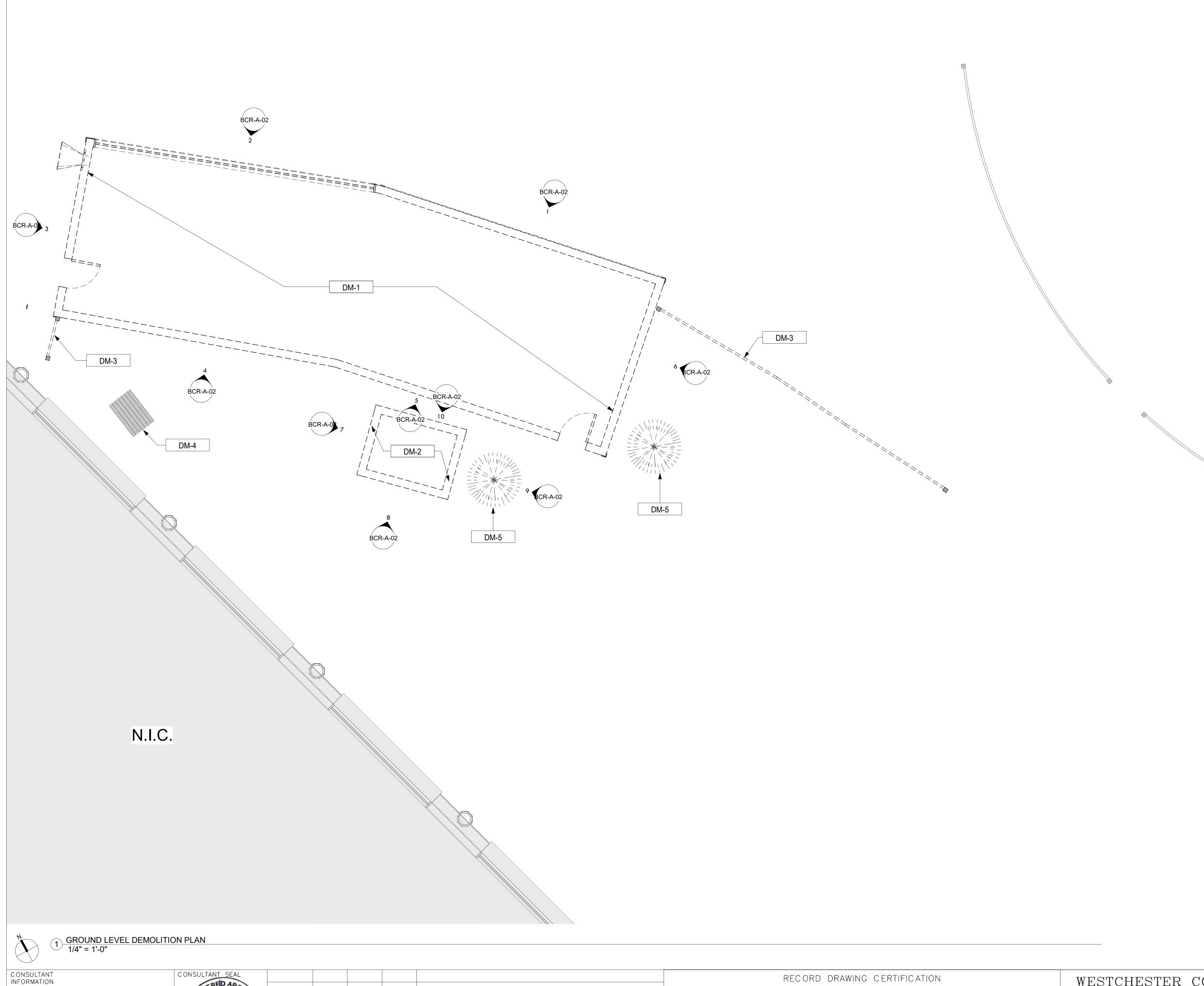
AS BUILT - NO CHANGES PROJECT COORDINATOR NAME SIGNATURE

WESTCHESTER COUNTY, NEW YORK NUMBER DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK MAY 26,2021 DATE: **BUMPER CAR RESTROOM** 

CIVIL DETAILS 1

NUMBER BCR-C-06 DWG NO.: Page 229 of 288 SCALE: NOT TO SCALE DPW FILE REV. NUMBER 1-118-U-617





REVISION

# **DEMOLITION LEGEND**

DEMOLITION / REMOVAL OF EXISTING ----BUILDING ELEMENTS AND FIXTURES

# **GENERAL DEMOLITION NOTES**

- I. THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND GET FAMILIARIZED WITH EXISTING CONDITIONS AND REQUIREMENTS OF THE WORK. THE GENERAL CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITIES OF ALL ITEMS TO BE DEMOLISHED.
- . ITEMS TO BE DEMOLISHED AS INDICATED ON THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF THE DEMOLITION WORK. THE DRAWINGS DO NOT REPRESENT IN DETAIL ALL ITEMS OR SITUATIONS THAT MAY BE ENCOUNTERED DURING THE DEMOLITION. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REMOVE, PROTECT, AND MAKE CORRECTIONS AS REQUIRED TO
- PLAYLAND RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
- 4. SCHEDULED DEMOLITION OF THE EXISTING BUILDING SHALL INCLUDE REMOVAL OF THE EXISTING FOUNDATIONS FOR THEIR ENTIRE DEPTH.
- 5. DEMOLITION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OF THIS
- 6. THE GENERAL CONTRACTOR TO DISCONNECT ALL UTILITIES PRIOR TO DEMOLITION. CONTRACTOR
- TO OBTAIN "SHUT OFF" APPROVALS FROM PLAYLAND. 7. THE GENERAL CONTRACTOR SHALL USE EXTREME CAUTION IN AREAS OF DEMOLITION WHICH MAY DISTURB ADJACENT STRUCTURES. TEMPORARY SHORING, BARRICADES, ETC. SHALL BE PROVIDED
- AS REQUIRED TO PROTECT GENERAL PUBLIC, ALL EXISTING STRUCTURES AND PROPERTY. 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING UP AND HAULING AWAY
- OF ALL TRASH AND DEBRIS ON A REGULAR BASIS DURING THE CONSTRUCTION PERIOD. HE/SHE SHALL MAINTAIN SANITARY CONDITIONS TO ALLOW FOR THE CONTINUOUS SAFE AND SANITARY CONDITIONS OPERATION OF THE EXISTING SUPERMARKET. EXCAVATIONS SHALL BE MAINTAINED FREE OF WATER.
- 10. EXCAVATE AS REQUIRED TO FACILITATE ANY FORMWORK WHICH MAY BE NECESSARY TO ACHIEVE THE DESIRED RESULTS. EXCAVATE AS REQUIRED FOR SERVICE LINES, DRAINAGE, PLUMBING, ETC. 11. REMOVAL OF ALL CEILINGS AND MOUNTED ITEMS THROUGHOUT THE CONTRACT AREA INCLUDE
- ANCHORING HARDWARE, GRIDS, MISCELLANEOUS FASTENINGS, ETC. 12. PROTECT ALL ITEMS AND ELEMENTS TO REMAIN. REMOVAL OF ALL ITEMS SHALL BE FLUSH WITH
- EXISTING SURFACES.
- 13. CONTRACTOR IS REQUIRED TO REMOVE ANY AND ALL SUCH ITEMS, DEVICES, AND ANY RELATED WORK NOT SHOWN AS REQUIRED TO SUIT ALL NEW CONSTRUCTION.
- 14. REFER TO CIVIL DRAWINGS FOR LIMITS OF DISTURBANCE AREAS AND PAVEMENT REMOVAL, SITE RESTORATION / IMPROVEMENT SCOPE AND DETAILS.

# **DEMOLITION KEY NOTES**

Keynote Text

DM-1 DEMOLISH EXISTING BUILDING IN ITS ENTIRETY INCLUDING ASSOCIATED STRUCTURAL ELEMENTS SUCH AS FOOTINGS, FOUNDATIONS, SLAB, ETC. REFER TO STRUCTURAL DRAWINGS. DM-2 DEMOLISH EXISTING SHED IN ITS ENTIRETY.

DM-3 REMOVE EXISTING FENCE AND ASSOCIATED ELEMENTS SUCH AS GATES, POSTS, FOOTINGS AT

DM-4 EXISTING CATCH BASIN TO BE REMOVED AND RELOCATED. REFER TO CIVIL DRAWINGS

DM-5 REMOVE EXISTING TREES INCLUDING STUMPS. DM-6 REMOVE EXISTING CHASE WALL

DM-7 REMOVE EXISTING PLUMBING FIXTURES, TYP. SEE PLUMBING DRAWINGS.

DM-8 REMOVE EXISTING INTERIOR PARTITIONS AND ASSOCIATED FRAMING ELEMENTS.

DM-9 REMOVE EXISTING TOILET PARTITIONS AND ACCESSORIES, TYP.

The LiRo Group

3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com

REVISION DATE MADE APP'D BY BY

\_\_\_\_ AS BUILT — NO CHANGES AS BUILT - CHANGES AS NOTED CONTRACTOR PROJECT COORDINATOR

\_\_\_\_ DATE \_\_\_\_

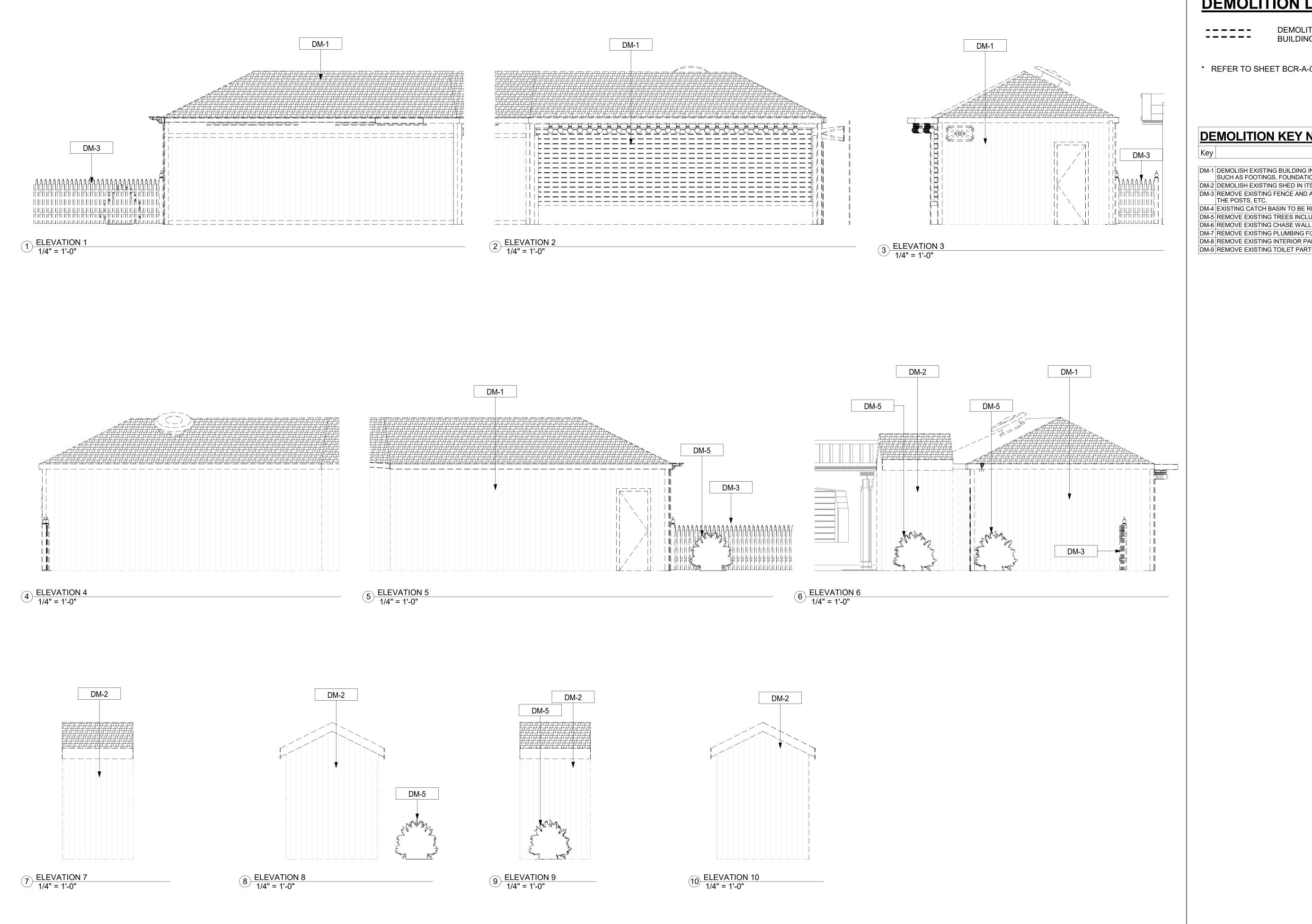
SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_ DATE

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOM **GROUND FLOOR DEMOLITION PLAN** 

SHEET NUMB ER NUMBER BCR-A-01 DWG NO.: **Page 231 of 288** SCALE: **As indicated** DATE: **May 26, 2021** DPW FILE **1-118-A-619** NUMBER REV. 0



RECORD DRAWING CERTIFICATION

NAME

SIGNATURE \_\_

AS BUILT - CHANGES AS NOTED

CONTRACTOR

DATE \_\_\_\_

NAME

REVISION

SIGNATURE

\_\_\_\_ AS BUILT - NO CHANGES

PROJECT COORDINATOR



DEMOLITION / REMOVAL OF EXISTING ----BUILDING ELEMENTS AND FIXTURES

\* REFER TO SHEET BCR-A-01 FOR GENERAL DEMOLITION NOTES.

# **DEMOLITION KEY NOTES**

Keynote Text

DM-1 DEMOLISH EXISTING BUILDING IN ITS ENTIRETY INCLUDING ASSOCIATED STRUCTURAL ELEMENTS SUCH AS FOOTINGS, FOUNDATIONS, SLAB, ETC. REFER TO STRUCTURAL DRAWINGS.

DM-2 DEMOLISH EXISTING SHED IN ITS ENTIRETY. DM-3 REMOVE EXISTING FENCE AND ASSOCIATED ELEMENTS SUCH AS GATES, POSTS, FOOTINGS AT THE POSTS, ETC.

DM-4 EXISTING CATCH BASIN TO BE REMOVED AND RELOCATED. REFER TO CIVIL DRAWINGS.

DM-5 REMOVE EXISTING TREES INCLUDING STUMPS.

DM-7 REMOVE EXISTING PLUMBING FIXTURES, TYP. SEE PLUMBING DRAWINGS.

DM-8 REMOVE EXISTING INTERIOR PARTITIONS AND ASSOCIATED FRAMING ELEMENTS. DM-9 REMOVE EXISTING TOILET PARTITIONS AND ACCESSORIES. TYP.

SHEET NUMBER WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 BCR-A-02 DIVISION OF ENGINEERING DWG NO.: **Page 232 of 288 INFRASTRUCTURE REHABILITATION - PHASE 2** SCALE: 1/4" = 1'-0" PLAYLAND PARK, RYE, NEW YORK DATE: **May 26, 2021 BUMPER CAR RESTROOM EXTERIOR DEMOLITION ELEVATIONS** DPW FILE **1-118-A-620** NUMBER REV. 0

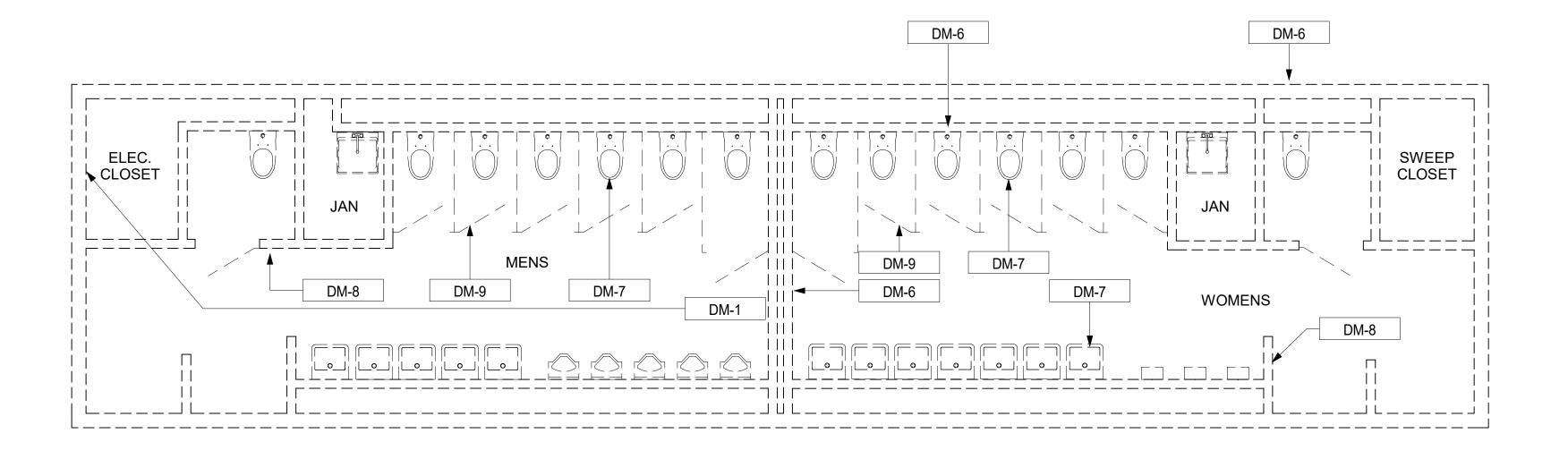
CONSULTANT INFORMATION

The LiRo Group

3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com

MADE APP'D BY BY

REVISION NUMBER DATE







ARENA RESTROOM PHOTO

# **DEMOLITION LEGEND**

DEMOLITION / REMOVAL OF EXISTING
BUILDING ELEMENTS AND FIXTURES

# **GENERAL DEMOLITION NOTES**

- 1. THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND GET FAMILIARIZED WITH EXISTING CONDITIONS AND REQUIREMENTS OF THE WORK. THE GENERAL CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITIES OF ALL ITEMS TO BE DEMOLISHED.
- 2. ITEMS TO BE DEMOLISHED AS INDICATED ON THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF THE DEMOLITION WORK. THE DRAWINGS DO NOT REPRESENT IN DETAIL ALL ITEMS OR SITUATIONS THAT MAY BE ENCOUNTERED DURING THE DEMOLITION. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REMOVE, PROTECT, AND MAKE CORRECTIONS AS REQUIRED TO ACHIEVE DRAWING INTENT.
- 3. PLAYLAND RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
- 4. SCHEDULED DEMOLITION OF THE EXISTING BUILDING SHALL INCLUDE REMOVAL OF THE EXISTING FOUNDATIONS FOR THEIR ENTIRE DEPTH.
- FOUNDATIONS FOR THEIR ENTIRE DEPTH.

  5. DEMOLITION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OF THIS CONTRACT.
- 6. THE GENERAL CONTRACTOR TO DISCONNECT ALL UTILITIES PRIOR TO DEMOLITION. CONTRACTOR TO OBTAIN "SHUT OFF" APPROVALS FROM PLAYLAND.
- 7. THE GENERAL CONTRACTOR SHALL USE EXTREME CAUTION IN AREAS OF DEMOLITION WHICH MAY DISTURB ADJACENT STRUCTURES. TEMPORARY SHORING, BARRICADES, ETC. SHALL BE PROVIDED AS REQUIRED TO PROTECT GENERAL PUBLIC, ALL EXISTING STRUCTURES AND PROPERTY.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING UP AND HAULING AWAY
  OF ALL TRASH AND DEBRIS ON A REGULAR BASIS DURING THE CONSTRUCTION PERIOD. HE/SHE
  SHALL MAINTAIN SANITARY CONDITIONS TO ALLOW FOR THE CONTINUOUS SAFE AND SANITARY
  CONDITIONS OPERATION OF THE EXISTING SUPERMARKET.
   EXCAVATIONS SHALL BE MAINTAINED FREE OF WATER.
- 10. EXCAVATE AS REQUIRED TO FACILITATE ANY FORMWORK WHICH MAY BE NECESSARY TO ACHIEVE THE DESIRED RESULTS. EXCAVATE AS REQUIRED FOR SERVICE LINES, DRAINAGE, PLUMBING, ETC. (NOT INDICATED WITHIN)

# **DEMOLITION KEY NOTES**

Keynote Text

DM-1 DEMOLISH EXISTING BUILDING IN ITS ENTIRETY INCLUDING ASSOCIATED STRUCTURAL ELEMENTS SUCH AS FOOTINGS, FOUNDATIONS, SLAB, ETC. REFER TO STRUCTURAL DRAWINGS.

DM-2 DEMOLISH EXISTING SHED IN ITS ENTIRETY.

DM-3 REMOVE EXISTING FENCE AND ASSOCIATED ELEMENTS SUCH AS GATES, POSTS, FOOTINGS AT THE POSTS, ETC.

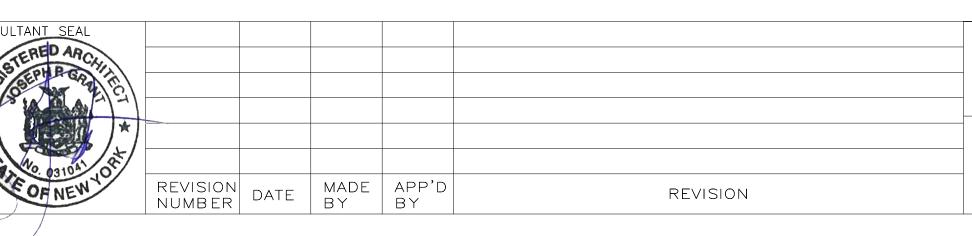
DM-4 EXISTING CATCH BASIN TO BE REMOVED AND RELOCATED. REFER TO CIVIL DRAWINGS.

DM-5 REMOVE EXISTING TREES INCLUDING STUMPS.

DM-6 REMOVE EXISTING CHASE WALL
DM-7 REMOVE EXISTING PLUMBING FIXTUR

DM-7 REMOVE EXISTING PLUMBING FIXTURES, TYP. SEE PLUMBING DRAWINGS.
DM-8 REMOVE EXISTING INTERIOR PARTITIONS AND ASSOCIATED FRAMING ELEMENTS

DM-8 REMOVE EXISTING INTERIOR PARTITIONS AND ASSOCIATED FRAMING E DM-9 REMOVE EXISTING TOILET PARTITIONS AND ACCESSORIES, TYP.





WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
DWG NO
INFRASTRUCTURE REHABILITATION - PHASE 2
SCALE:

PLAYLAND PARK, RYE, NEW YORK

**BUMPER CAR RESTROOM** 

ARENA RESTROOM DEMOLITION PLAN

CONTRACT NUMBER

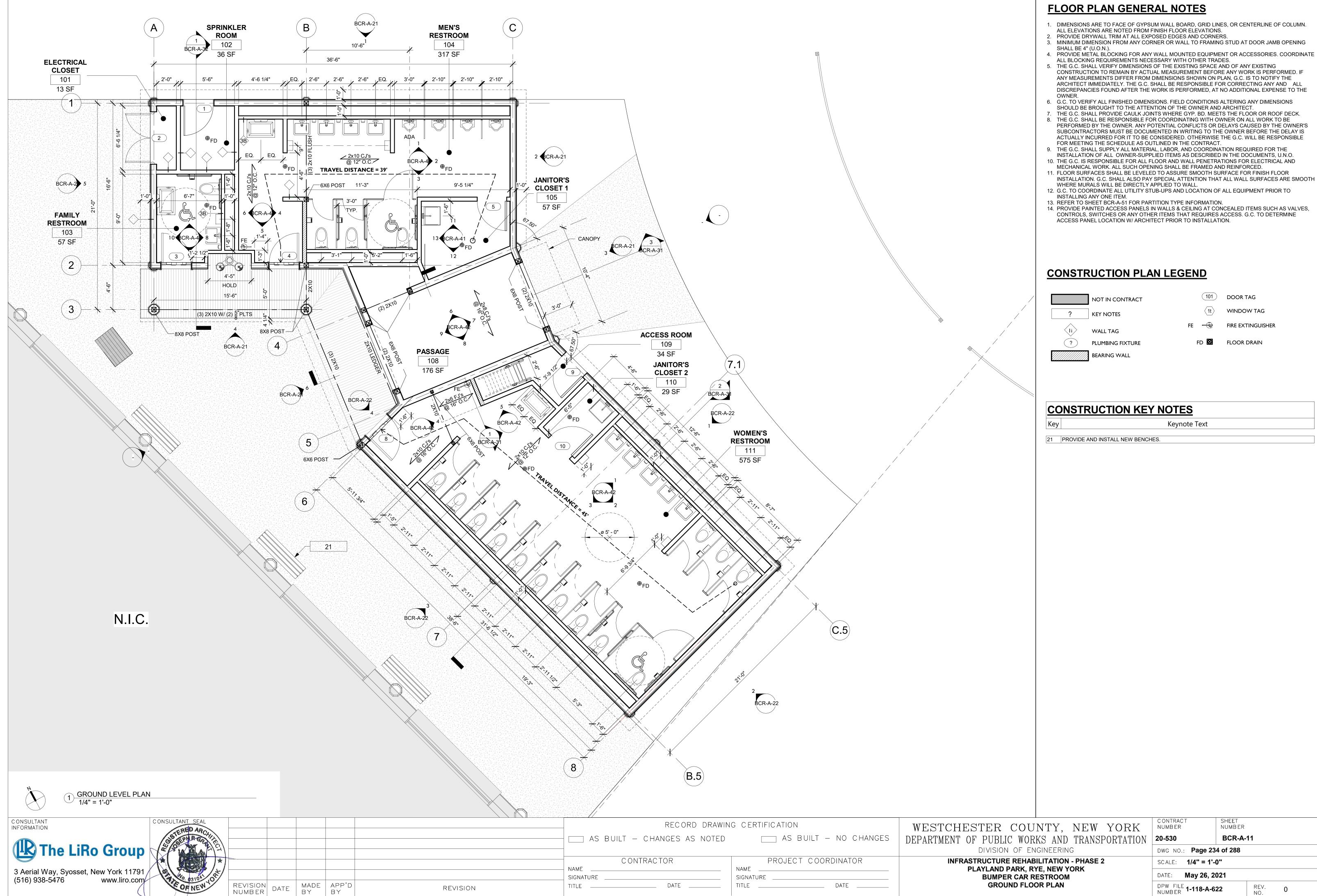
20-530 BCR-A-03

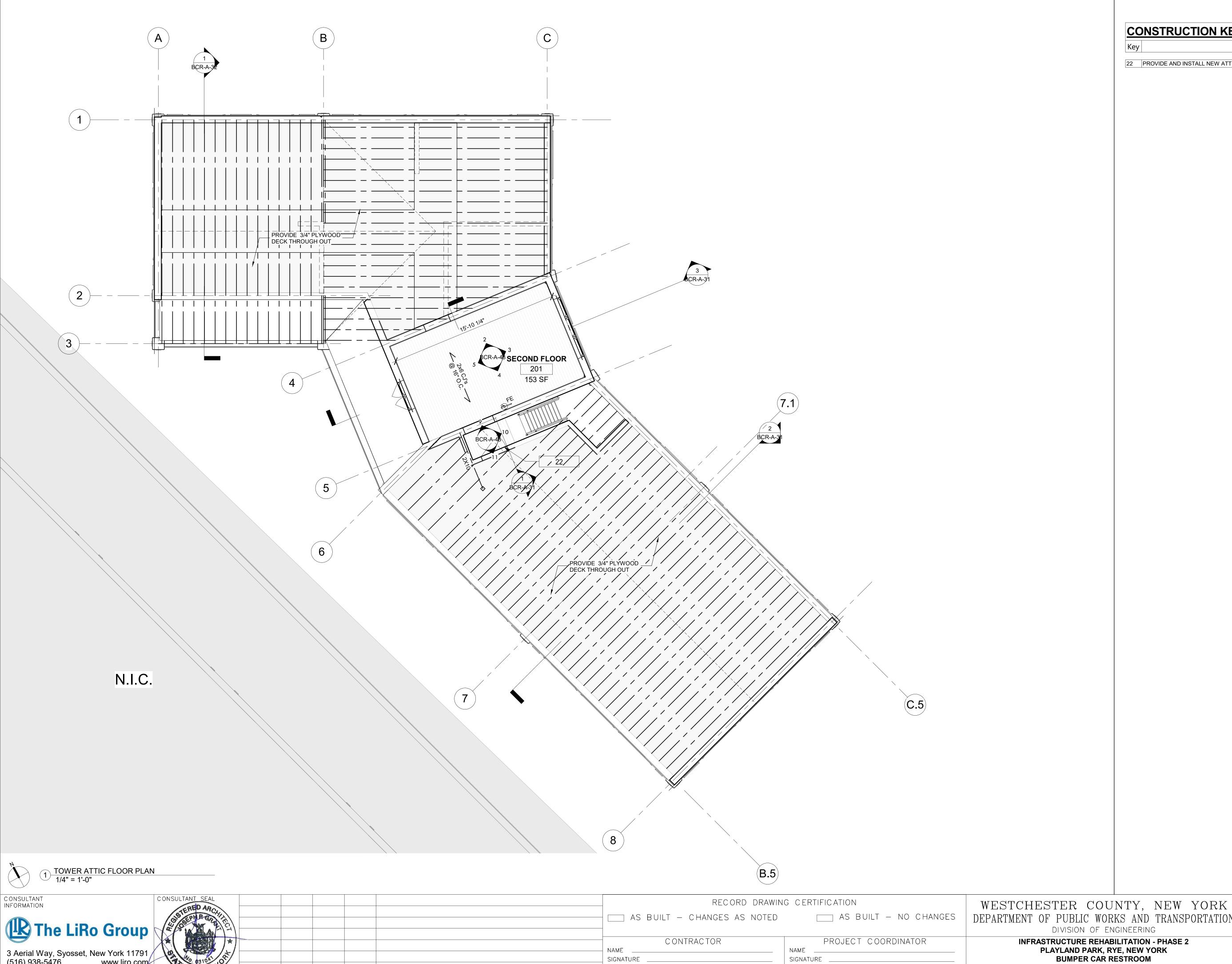
DWG NO.: Page 233 of 288

SCALE: As indicated

DATE: May 26, 2021

DPW FILE 1-118-A-621 REV. NO. 0





REVISION

TITLE \_\_\_\_\_ DATE \_\_\_\_

**CONSTRUCTION KEY NOTES** Keynote Text 22 PROVIDE AND INSTALL NEW ATTIC ACCESS DOORS/PANELS.

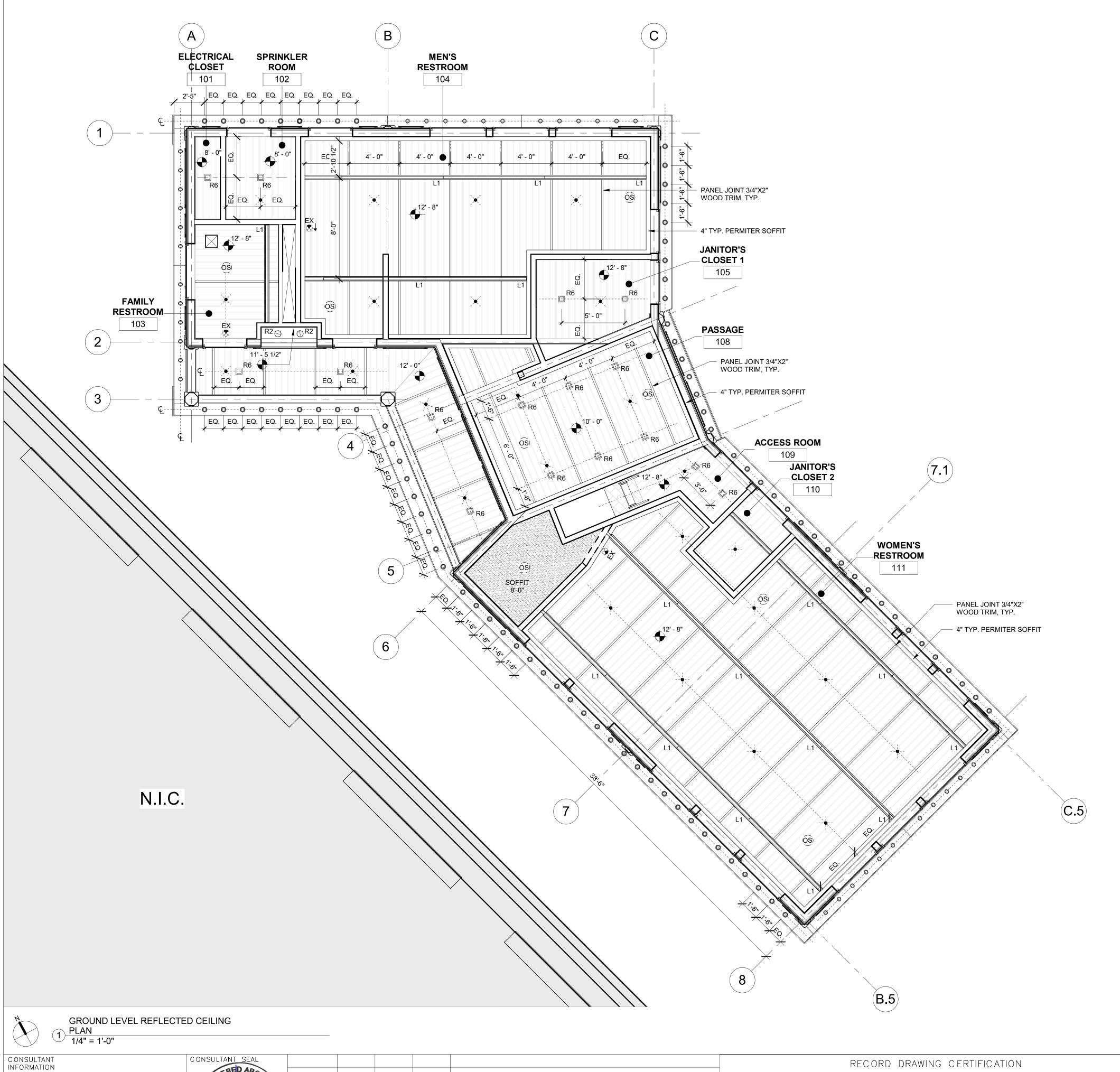
3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com

REVISION DATE MADE APP'D BY

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK
BUMPER CAR RESTROOM
TOWER ATTIC FLOOR PLAN

SHEET NUMBER BCR-A-12 DWG NO.: **Page 235 of 288** SCALE: 1/4" = 1'-0" DATE: **May 26, 2021** DPW FILE 1-118-A-623 REV. 0



# REFLECTED CEILING PLAN LEGEND

R2: 6" RECESSED CAN LIGHT FIXTURE 

(SEE ELEC. DWGS)

R6: 4" SQUARE RECESSED LIGHT FIXTURE

(SEE ELEC. DWGS)

L3: LINEAR LIGHT FIXTURE (SEE ELEC. DWGS)

PERIMETER SOFFIT

T1-11 CEILING BOARD

ACCESS DOOR / PANEL

OCCUPANCY SENSOR

SPRINKLER (SEE FIRE PROTECTION DWGS)

**EXIT SIGN** 

DIRECTIONAL EXIT SIGN



2' x 2' OR 1' x 1' EXHAUST GRILLE (SEE MECH. DWGS)

# GENERAL REFLECTED CEILING PLAN NOTES

- 1. CONTRACTOR SHALL PROVIDE THE NECESSARY FRAMING OR BRIDGING FOR ALL LIGHT FIXTURES, DIFFUSERS, RETURNS, ETC., AS WELL AS REQUIRED CUTOUTS.
- 2. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY POSSIBLE INTERFERENCES BEFORE PROCEEDING WITH CEILING INSTALLATION.
- 3. CEILING CONSTRUCTION SHALL NOT BE CLOSED IN UNTIL THE CONSTRUCTION MANAGER AND AUTHORITIES HAVING JURISDICTION HAVE HAD AN OPPORTUNITY TO INSPECT THE AREA AND ASCERTAIN THAT ALL DUCTWORK, PLUMBING, ELECTRICAL CONDUITS AND LINES HAVE BEEN INSTALLED PROPERLY.
- 4. FASCIAS OR ANY BREAK IN THE CEILING HEIGHTS CREATED BY THE INSTALLATION AND/OR ALTERATION OF HEATING, VENTILATING, A/C OR MECHANICAL DUCTS, PIPING OR OTHER EQUIPMENT SHALL BE FORMED OF GYPSUM WALLBOARD ON FURRING CHANNELS.
- 5. THE CEILING PANEL JOINTS SHALL BE ALIGNED PERFECTLY WITH LIGHTING FIXTURES.
- 6. ALL JOINTS IN THE PANEL SHALL BE SQUARE, LEVEL AND PERFECTLY ALIGNED WITH EACH OTHER AND WITH BUILDING FIXTURES. 7. CONTRACTOR SHALL PROVIDE CUTOUTS AND OTHER SPECIAL PROVISIONS IN ACOUSTICAL WORK
- AS REQUIRED FOR LIGHTING FIXTURES, REGISTERS, DIFFUSERS AND OTHER INSERTED ITEMS. GENERAL CONSTRUCTION CONTRACTOR SHALL INSTALL ACCESS PANELS IN GYPSUM DRYWALL CEILINGS FOR ACCESS TO AIR CONDITIONING, PLUMBING, TELEPHONE & ELECTRICAL CONTROL EQUIPMENT REQUIRING ACCESS.
- IN GENERAL, WITHIN EACH AREA, CEILING WORK REQUIREMENTS SHALL BE EXECUTED IN SUCH A
  MANNER AS TO PROVIDE CONTINUOUS MATCHED AND ALIGNED CEILINGS. THE FINAL CEILING
  INSTALLATION SHALL BE FREE OF ALL VISUAL DEFECTS.

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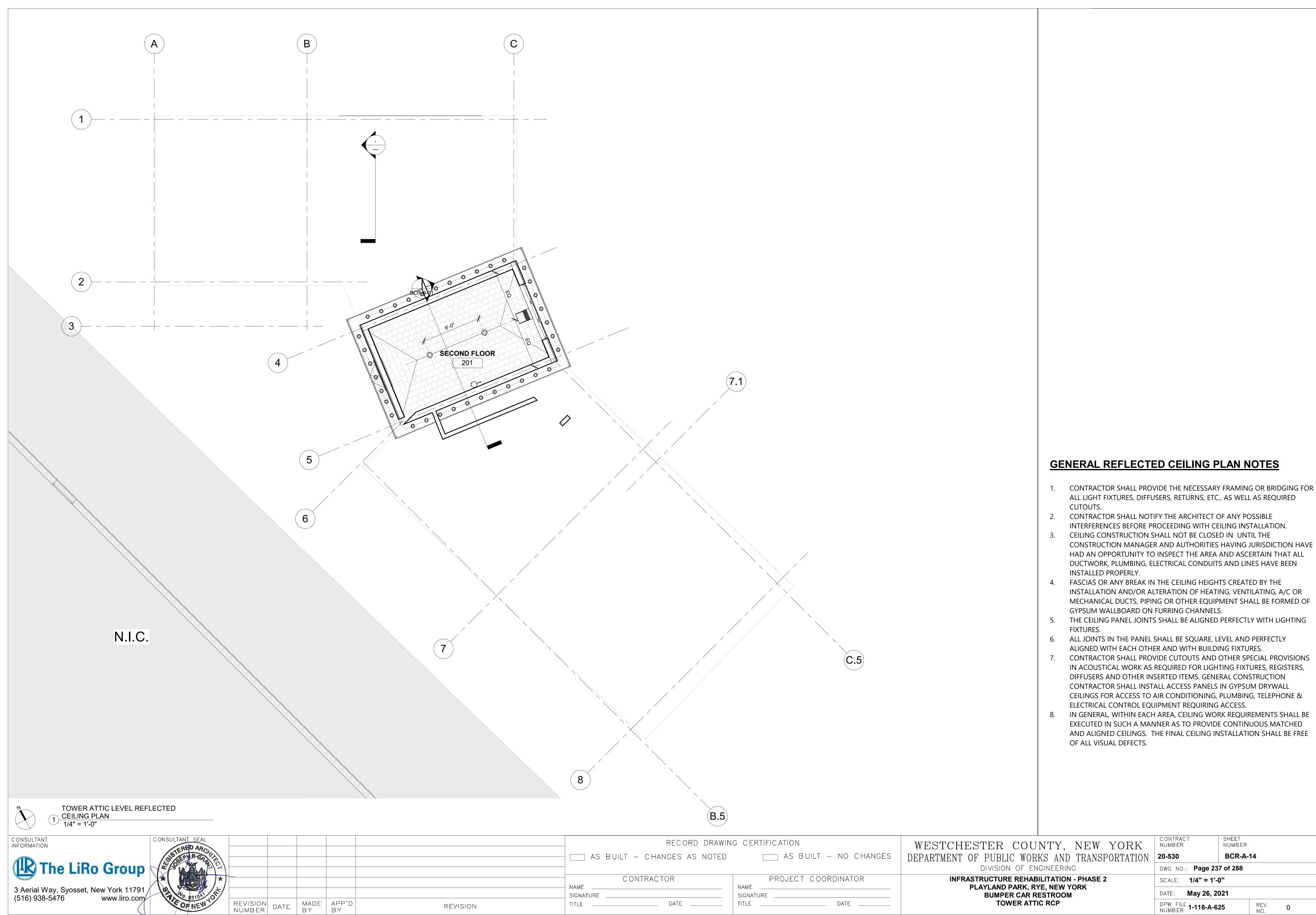
RECORD DRAWING CERTIFICATION \_\_\_\_ AS BUILT — NO CHANGES \_\_\_ AS BUILT — CHANGES AS NOTED CONTRACTOR PROJECT COORDINATOR NAME SIGNATURE \_\_\_\_\_

\_\_\_\_\_ DATE \_\_\_\_

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **BUMPER CAR RESTROOM** 

GROUND FLOOR REFLECTED CEILING PLAN

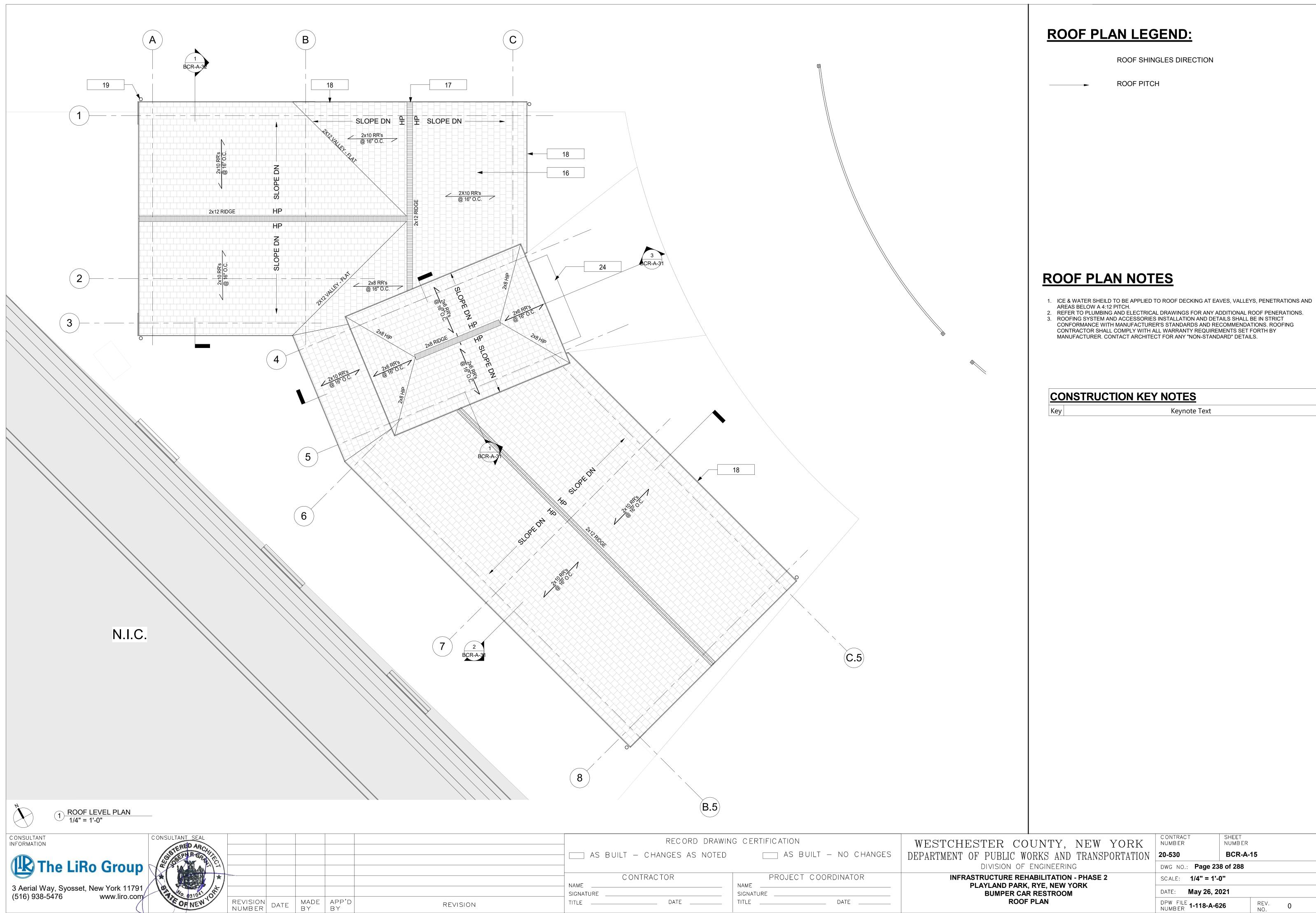
SHEET NUMB ER BCR-A-13 DWG NO.: **Page 236 of 288** SCALE: **1/4" = 1'-0"** DATE: **May 26, 2021** DPW FILE **1-118-A-624** NUMBER REV. 0



SHEET NUMBER

BCR-A-14

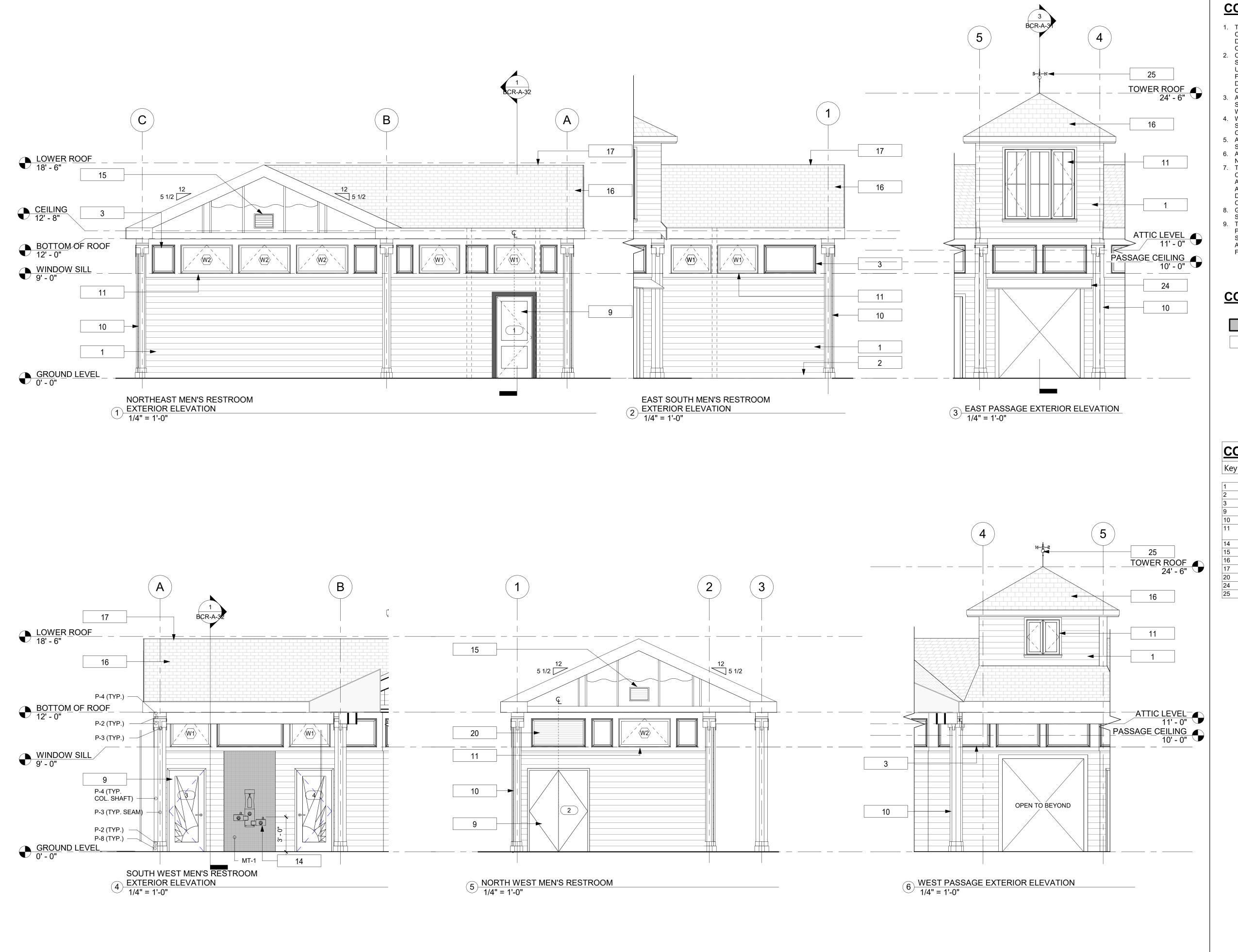
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SHEET NUMBER

BCR-A-15

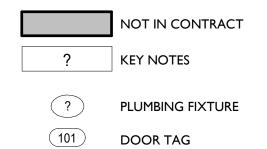
REV. 0



# **CONSTRUCTION GENERAL NOTES**

- 1. THE ARCHITECT DOES NOT CERTIFY DIMENSIONS OR CONDITIONS OF EXISTING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY BETWEEN DRAWINGS AND EXISTING CONDITIONS. IN ADDITION, CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DEFECTIVE CONSTRUCTION UNCOVERED DURING CONSTRUCTION
- 2. CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND UNAUTHORIZED PARTIES. ALL CONSTRUCTION SCRAPS, DIRT, AND DEBRIS SHALL BE REMOVED FROM THE PREMISES DAILY. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING
  - ALL WORK TO BE PERFORMED IN A WORKMANLIKE FASHION. MATERIALS UTILIZED SHALL BE AS SPECIFIED ON THE DRAWINGS OR IN THE JOB SPECIFICATIONS, OR, IF GENERIC, IN COMPLIANCE WITH ASTM, NEW YORK CODE, OR OTHER GENERALLY ACCEPTED STANDARDS.
  - 4. WHERE EXISTING EQUIPMENT OR CONSTRUCTION IS REMOVED OR ALTERED, ALL REMAINING SURFACES AND FINISHES AFFECTED SHALL BE PATCHED AND FINISHED TO MATCH ADJACENT
  - CONSTRUCTION/PRE-EXISTING CONDITION.
  - ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES. 6. ALL INFILLED OPENINGS TO BE FLUSH WITH EXISTING MASONRY WALL SURFACES, EXTERIOR OF
  - NEW AND OLD TO BE FLUSH AND MATCH WITH EXISTING ADJACENT WALL SYSTEM THE G.C. SHALL VERIFY DIMENSIONS OF THE EXISTING SPACE AND OF ANY EXISTING CONSTRUCTION TO REMAIN BY ACTUAL MEASUREMENT BEFORE ANY WORK IS PERFORMED. IF ANY MEASUREMENTS DIFFER FROM DIMENSIONS SHOWN ON PLAN, G.C. IS TO NOTIFY THE
  - ARCHITECT IMMEDIATELY. THE G.C. SHALL BE RESPONSIBLE FOR CORRECTING ANY AND ALL DISCREPANCIES FOUND AFTER THE WORK IS PERFORMED, AT NO ADDITIONAL EXPENSE TO THE 8. G.C. TO VERIFY ALL FINISHED DIMENSIONS. FIELD CONDITIONS ALTERING ANY DIMENSIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
  - 9. THE G.C. SHALL BE RESPONSIBLE FOR COORDINATING WITH OWNER ON ALL WORK TO BE PERFORMED BY THE OWNER. ANY POTENTIAL CONFLICTS OR DELAYS CAUSED BY THE OWNER'S SUBCONTRACTORS MUST BE DOCUMENTED IN WRITING TO THE OWNER BEFORE THE DELAY IS ACTUALLY INCURRED FOR IT TO BE CONSIDERED. OTHERWISE THE G.C. WILL BE RESPONSIBLE FOR MEETING THE SCHEDULE AS OUTLINED IN THE CONTRACT.

# **CONSTRUCTION ELEVATION LEGEND**



DOOR TAG

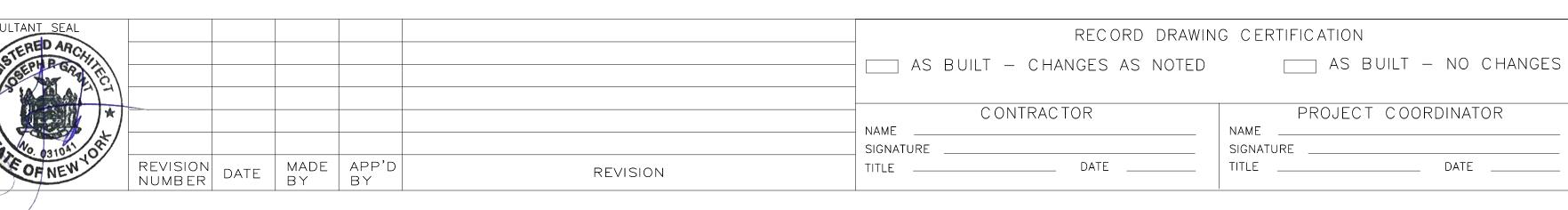
WINDOW TAG

**CONSTRUCTION KEY NOTES** 

Keynote Text

- 1 PROVIDE AND INSTALL SHIPLAP WOOD SIDING. PROVIDE AND INSTALL SIDING TRIM AT EXTERIOR PERIMETER
- INSTALL NEW TRIM, FRAME, PANELS AND CASEWORK. PAINTED FINISH 9 PROVIDE AND INSTALL DOOR INCLUDING FRAME, SILL, LINTEL AND ANY ASSOCIATE HARDWARE.
- 10 PRVIDE AND INSTALL WOOD COLUMN ENCLOSURE, TYP. REFER TO SHEET BCR-A-53 FOR DETAILS. 11 INSTALL NEW HURRICANE RESISTANT STEEL WINDOWS, TYP. REFER TO SHEET BCR-A-61 FOR
- WINDOW SCHEDULE. 14 PROVIDE AND INSTALL DRINKING FOUNTAIN.
- 15 PROVIDE AND INSTALL SIMULATED WOOD LOUVERS
- 16 PROVIDE NEW ROOFING SHINGLES AND UNDERLAYMENT
- PROVIDE AND INSTALL NEW EXHAUST LOUVER (SEE MECHANICAL DRAWINGS) 24 PROVIDE AND INSTALL CHICKEN WIRE GLASS CANOPY.
- 25 PROVIDE AND INSTALL WEATHERWANE.

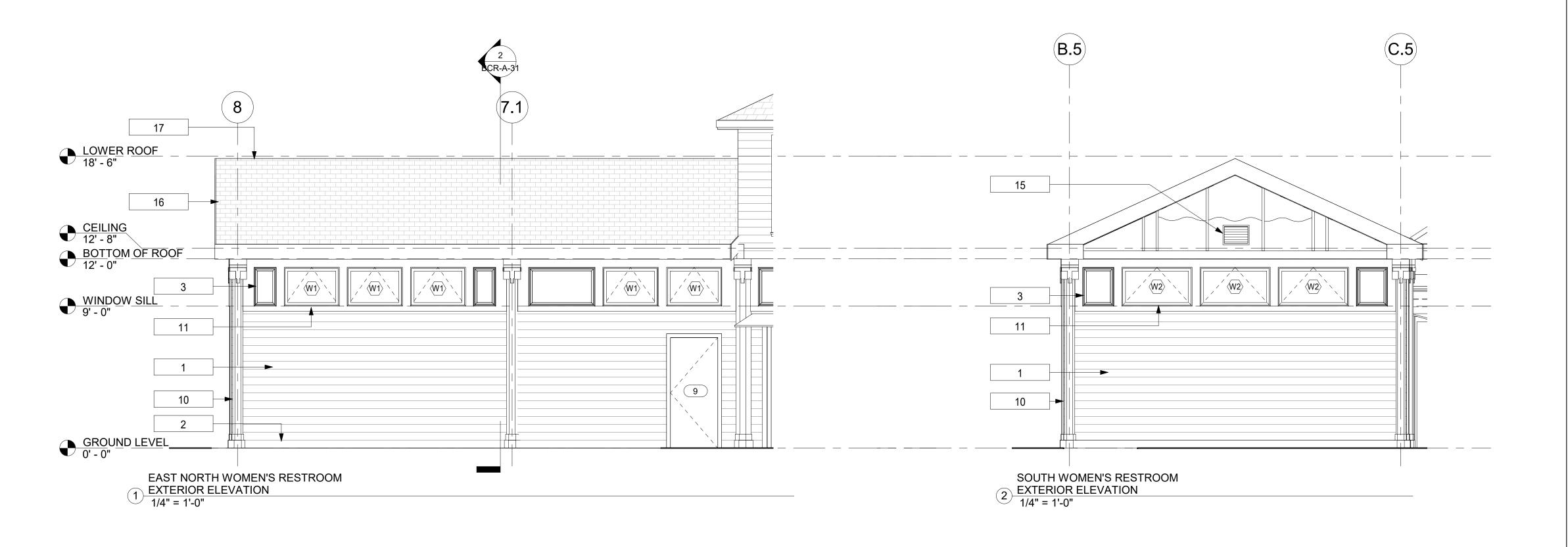
C ONSULTANT INFORMATION	CON
The LiRo Group	Ta da
3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com	la la

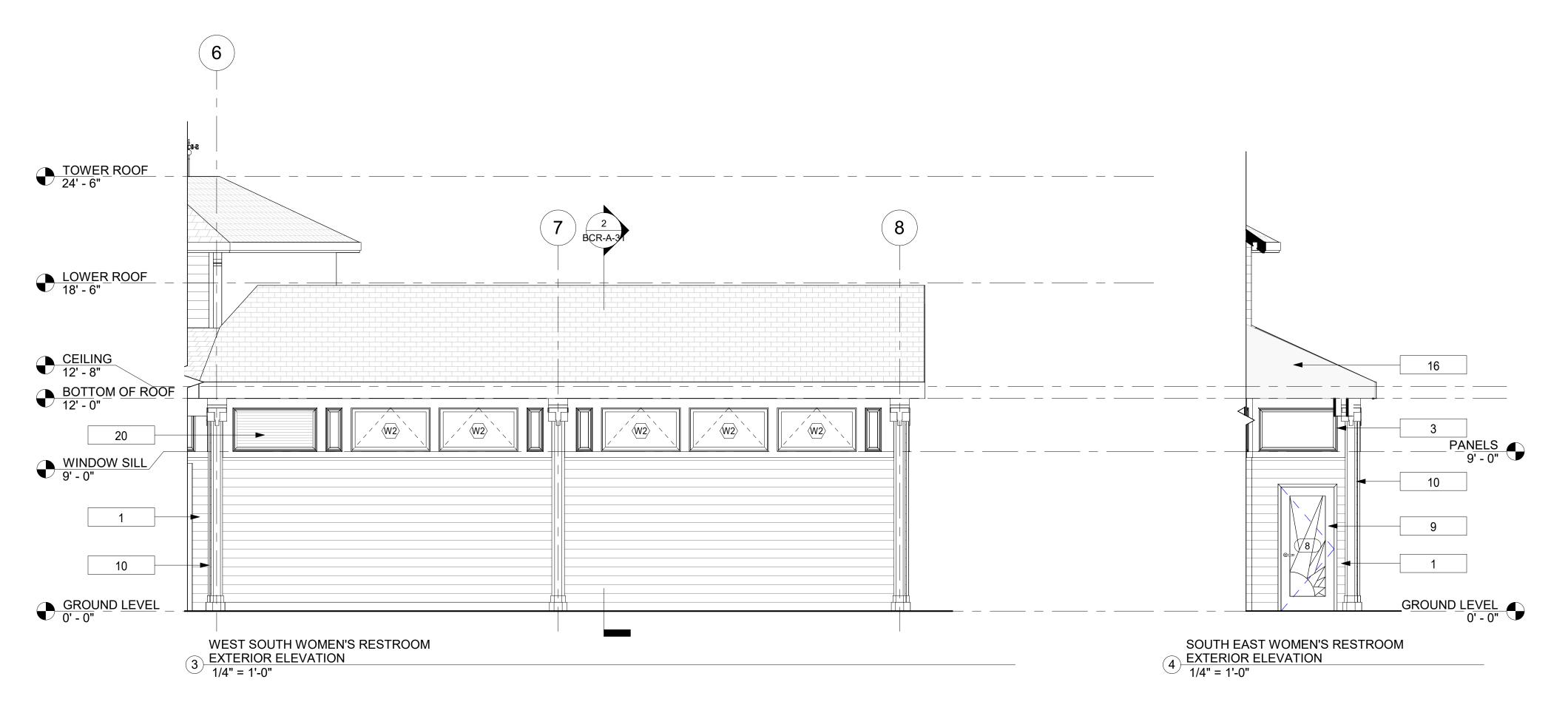


WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **BUMPER CAR RESTROOM** 

**EXTERIOR ELEVATIONS** 

	CONTRACT NUMBER	SHEET NUMBER				
N	20-530	BCR-A-21				
	DWG NO.: Page 239 of 288					
	SCALE: 1/4" = 1'-0"					
	DATE: <b>May 26, 2021</b>					
	DPW FILE 1-118-A-6	REV. 0				





# **CONSTRUCTION GENERAL NOTES**

- THE ARCHITECT DOES NOT CERTIFY DIMENSIONS OR CONDITIONS OF EXISTING CONSTRUCTION.
   CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY BETWEEN
   DRAWINGS AND EXISTING CONDITIONS. IN ADDITION, CONTRACTOR SHALL NOTIFY THE ARCHITECT
   OF ANY DEFECTIVE CONSTRUCTION UNCOVERED DURING CONSTRUCTION.
- 2. CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. ALL CONSTRUCTION SCRAPS, DIRT, AND DEBRIS SHALL BE REMOVED FROM THE PREMISES DAILY. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY. AT THE COMPLETION OF THE WORK, HE PREMISES SHALL BE LEFT IN A BROOM CLEAN CONDITION.
- 3. ALL WORK TO BE PERFORMED IN A WORKMANLIKE FASHION. MATERIALS UTILIZED SHALL BE AS SPECIFIED ON THE DRAWINGS OR IN THE JOB SPECIFICATIONS, OR, IF GENERIC, IN COMPLIANCE WITH ASTM, NEW YORK CODE, OR OTHER GENERALLY ACCEPTED STANDARDS.
- 4. WHERE EXISTING EQUIPMENT OR CONSTRUCTION IS REMOVED OR ALTERED, ALL REMAINING SURFACES AND FINISHES AFFECTED SHALL BE PATCHED AND FINISHED TO MATCH ADJACENT
- CONSTRUCTION/PRE- EXISTING CONDITION.

  5. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES. ALL EXITS
- SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.

  6. ALL INFILLED OPENINGS TO BE FLUSH WITH EXISTING MASONRY WALL SURFACES, EXTERIOR OF NEW AND OLD TO BE FLUSH AND MATCH WITH EXISTING ADJACENT WALL SYSTEM.
- 7. THE G.C. SHALL VERIFY DIMENSIONS OF THE EXISTING SPACE AND OF ANY EXISTING CONSTRUCTION TO REMAIN BY ACTUAL MEASUREMENT BEFORE ANY WORK IS PERFORMED. IF ANY MEASUREMENTS DIFFER FROM DIMENSIONS SHOWN ON PLAN, G.C. IS TO NOTIFY THE ARCHITECT IMMEDIATELY. THE G.C. SHALL BE RESPONSIBLE FOR CORRECTING ANY AND ALL DISCREPANCIES FOUND AFTER THE WORK IS PERFORMED, AT NO ADDITIONAL EXPENSE TO THE
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# **CONSTRUCTION ELEVATION LEGEND**

NOT IN CONTRACT

REY NOTES

? PLUMBING FIXTURE

DOOR TAG

window tag

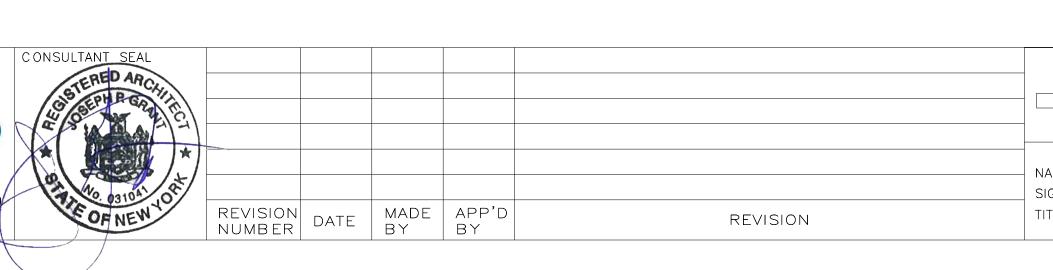
# **CONSTRUCTION KEY NOTES**

Keynote Text

1 PROVIDE AND INSTALL SHIPLAP WOOD SIDING.

- PROVIDE AND INSTALL SIDING TRIM AT EXTERIOR PERIMETER
   INSTALL NEW TRIM, FRAME, PANELS AND CASEWORK. PAINTED FINISH
- 9 PROVIDE AND INSTALL DOOR INCLUDING FRAME, SILL, LINTEL AND ANY ASSOCIATE HARDWARE.
  10 PRVIDE AND INSTALL WOOD COLUMN ENCLOSURE, TYP. REFER TO SHEET BCR-A-53 FOR DETAILS.
- 11 INSTALL NEW HURRICANE RESISTANT STEEL WINDOWS, TYP. REFER TO SHEET BCR-A-61 FOR WINDOW SCHEDULE.
- 15 PROVIDE AND INSTALL SIMULATED WOOD LOUVERS.
- 16 PROVIDE NEW ROOFING SHINGLES AND UNDERLAYMENT.
- PROVIDE AND INSTALL RIDGE VENT AT ROOF HIPS
   PROVIDE AND INSTALL NEW EXHAUST LOUVER (SEE MECHANICAL DRAWINGS)





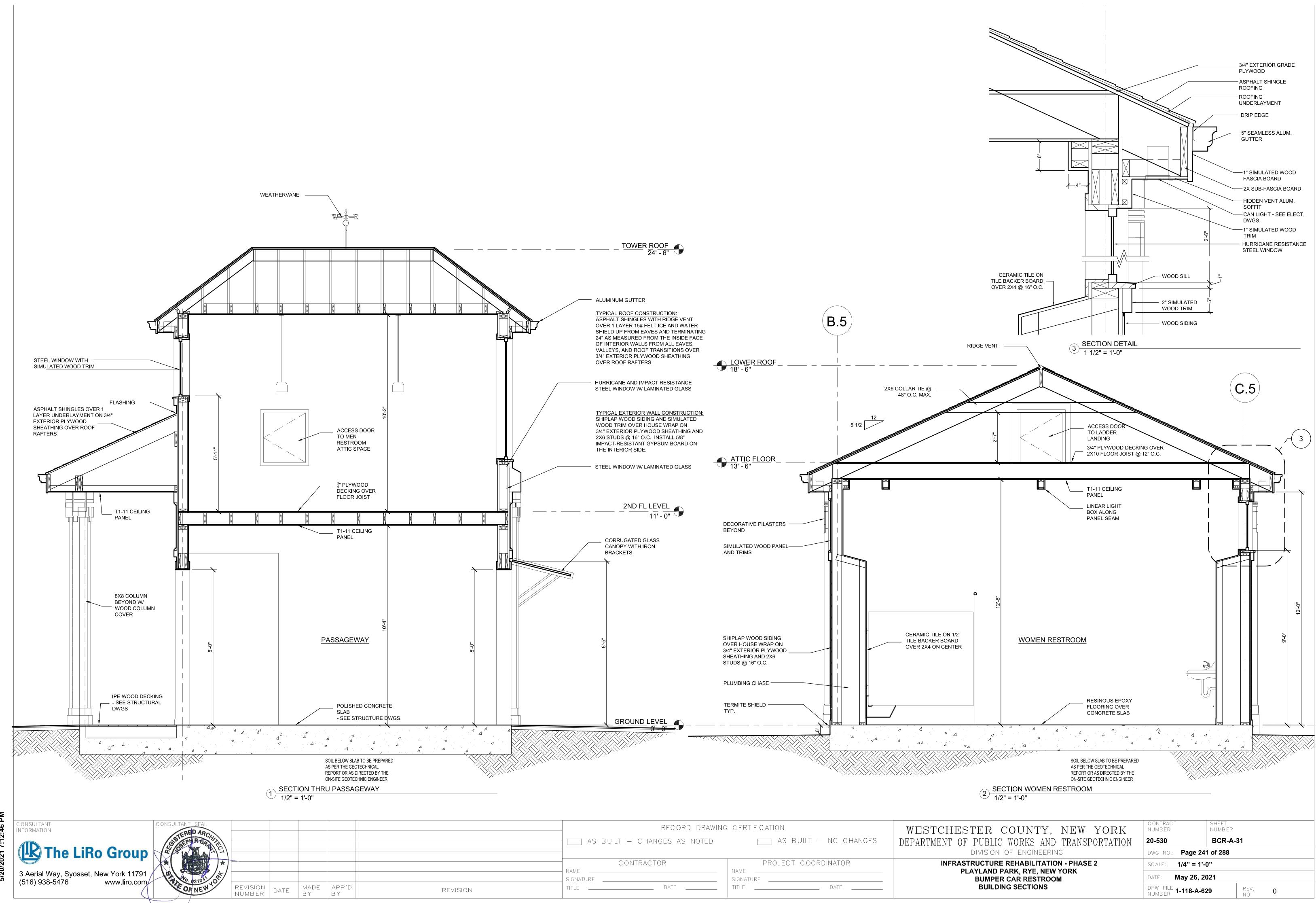


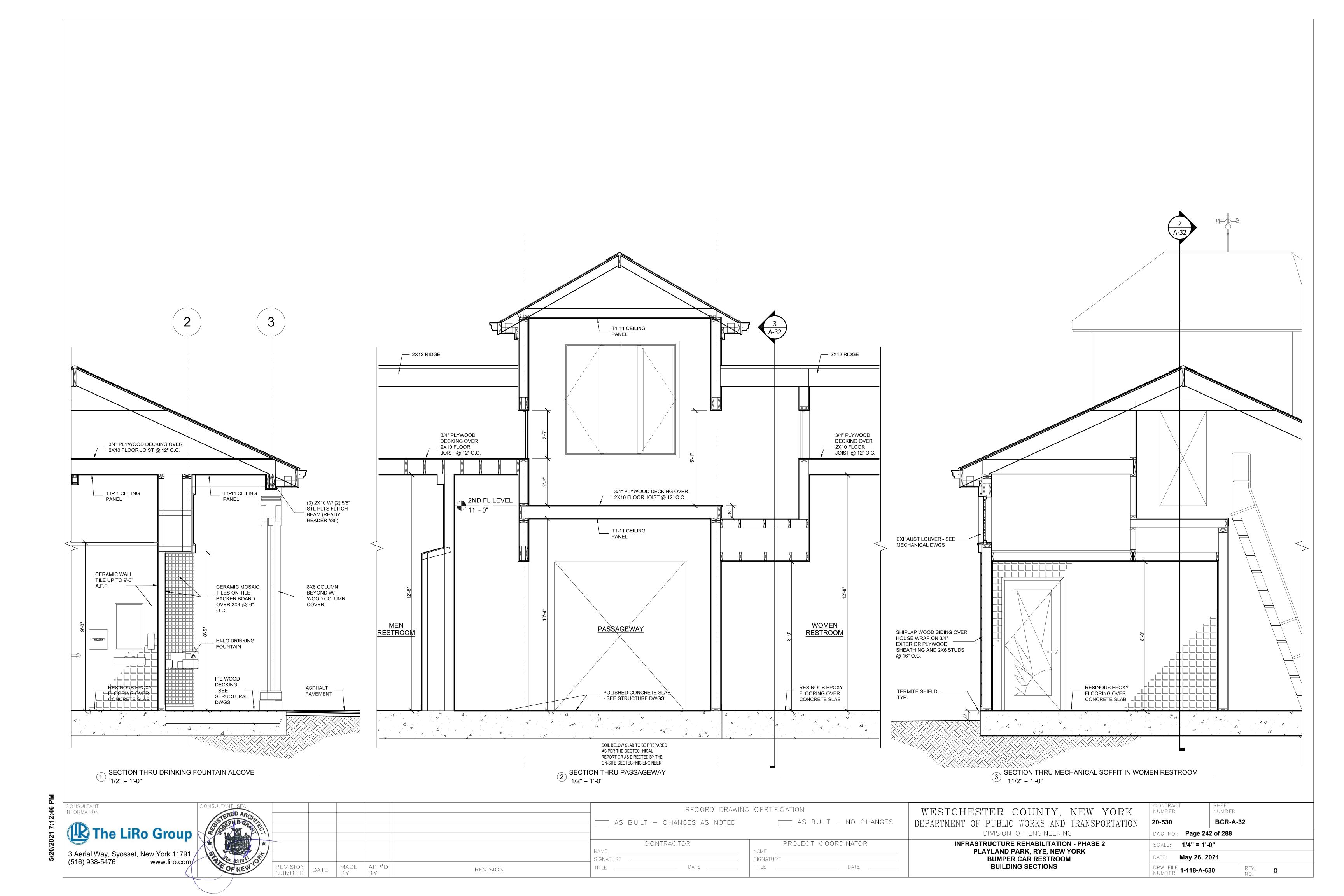
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

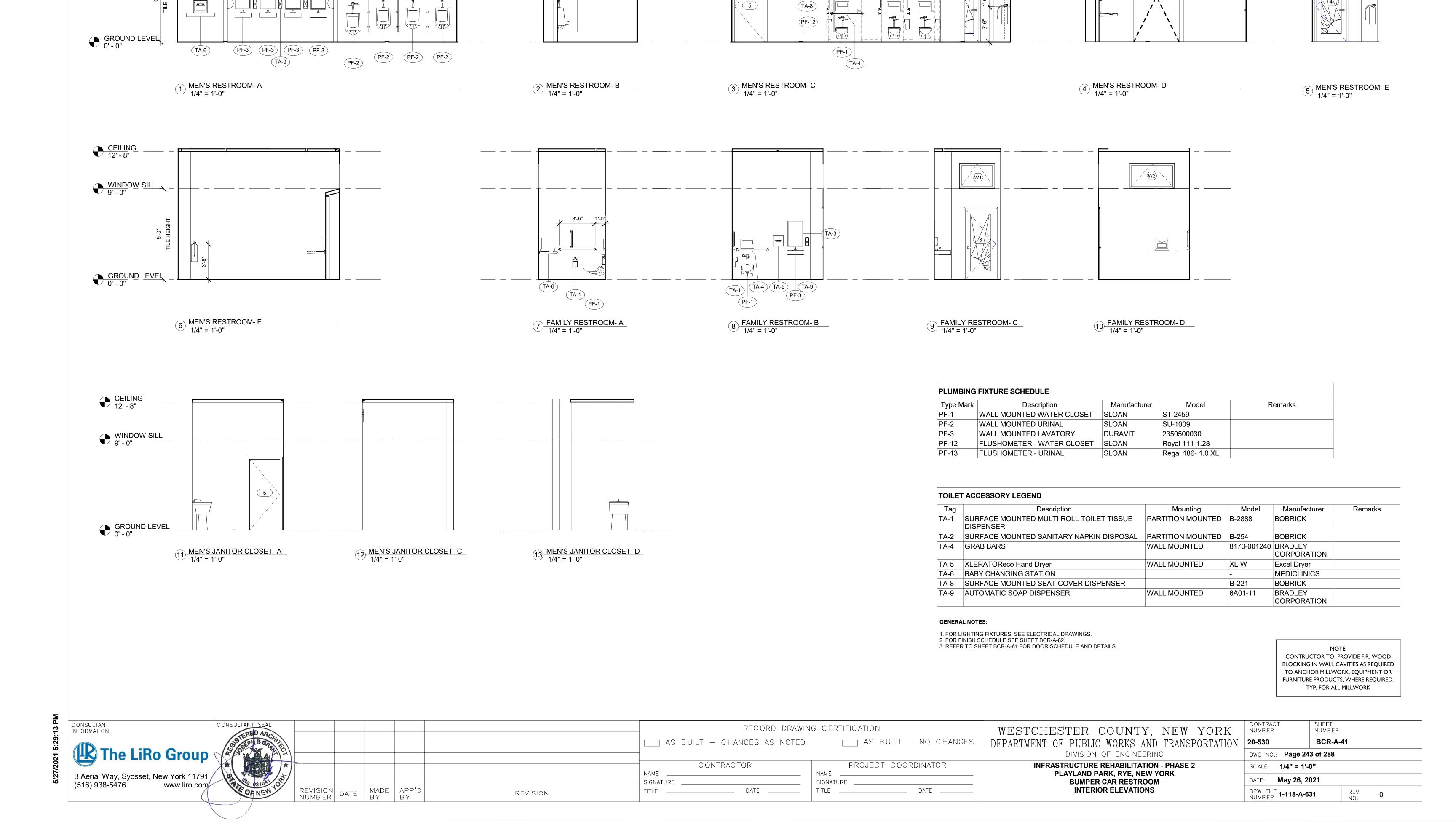
INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK
BUMPER CAR RESTROOM
EXTERIOR ELEVATIONS

<u> </u>	CONTRACT NUMBER	SHEET NUMBER			
NC	20-530	BCR-A-	22		
	DWG NO.: Page 24	0 of 288			
	SCALE: 1/4" = 1'-	0"			
	DATE: <b>May 26, 2</b>	021			
	DPW FILE 1-118-A-6	28	REV. NO.	0	

5/27/2021 5:29:09 PM







(W1)

(W1)

OPENING

CEILING 12' - 8"

WINDOW SILL S

 $(\overline{W2})$ 

**W2** 

.15 F	CONSULTANT   INFORMATION	· ·		СО
5/27/2021 5:29:1	The I	LiRo	Group	X
5/27	3 Aerial Way, Syd (516) 938-5476		w York 11791 www.liro.com	

REVISION DATE MADE APP'D BY BY REVISION

PROJECT COORDINATOR CONTRACTOR NAME NAME SIGNATURE \_\_\_\_ SIGNATURE . \_\_\_\_ TITLE \_\_\_\_\_ \_\_\_\_\_ DATE \_\_\_\_\_ \_\_\_\_ DATE \_\_\_\_

DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **BUMPER CAR RESTROOM** INTERIOR ELEVATIONS

NUMBER -BCR-A-42 DWG NO.: Page 244 of 288 SCALE: 1/4" = 1'-0" DATE: **May 26, 2021** DPW FILE **1-118-A-632** REV. 0

RECORD DRAWING CERTIFICATION

ONSULTANT SEAL

AS BUILT - NO CHANGES

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530

AS BUILT - CHANGES AS NOTED

6 PASSAGE- A 1/4" = 1'-0" 7 PASSAGE-B 1/4" = 1'-0"

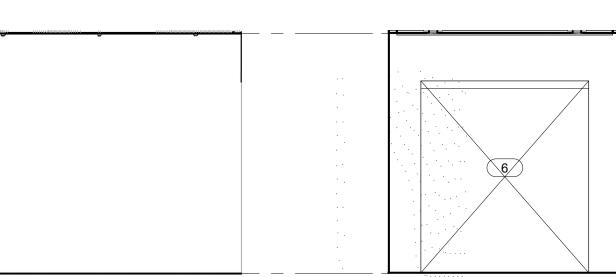
8 PASSAGE- C 1/4" = 1'-0"

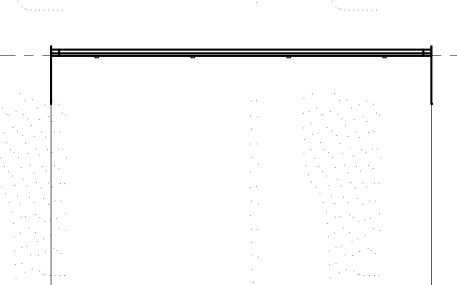
9 PASSAGE- D 1/4" = 1'-0"

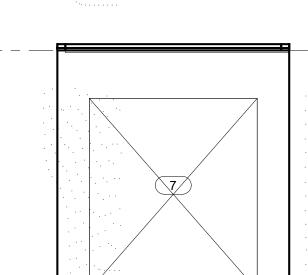
CEILING 12' - 8" WINDOW SILL 9' - 0" GROUND LEVEL
0' - 0"

5 WOMEN'S RESTROOM- E 1/4" = 1'-0"

PASSAGE CEILING 10' - 0"





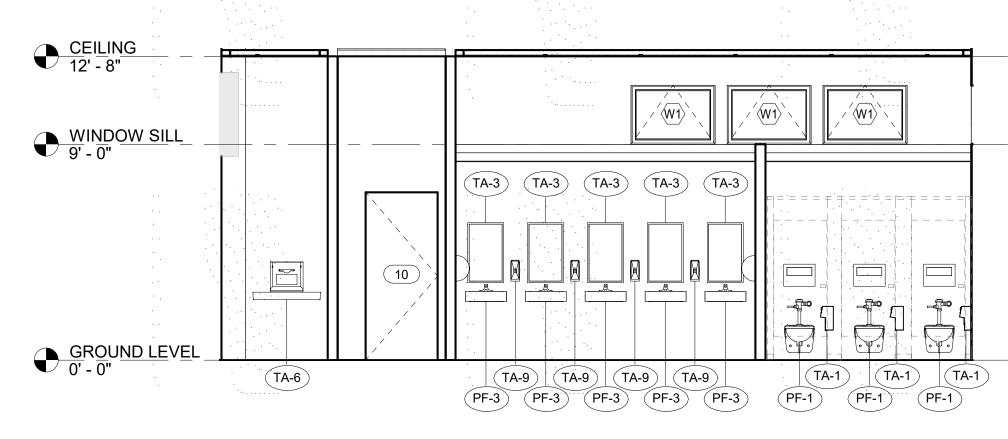


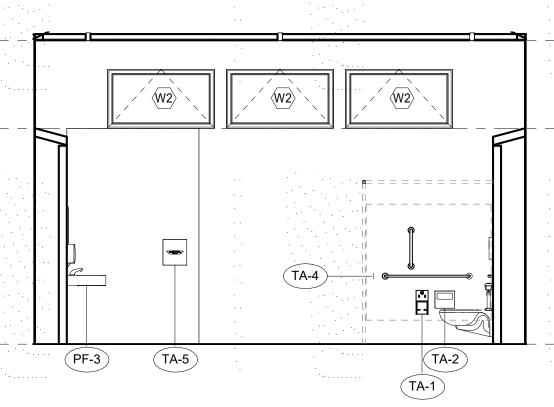
1 WOMEN'S RESTROOM- A 1/4" = 1'-0"

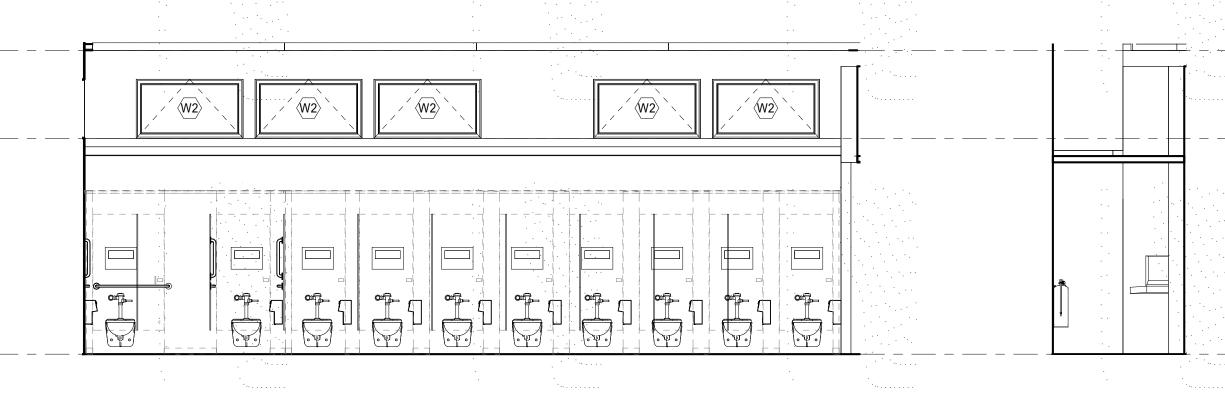


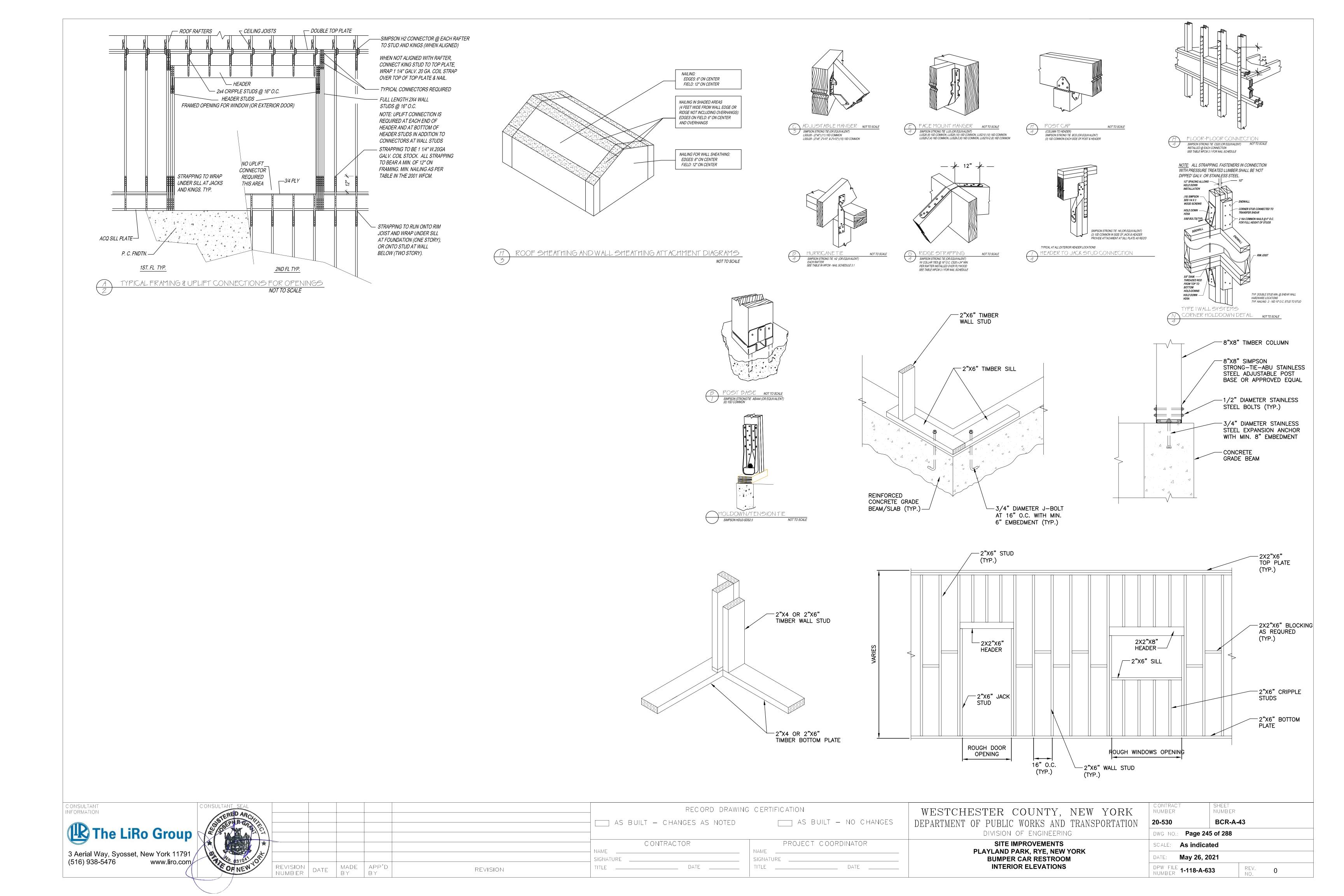
3 WOMEN'S RESTROOM- C 1/4" = 1'-0"

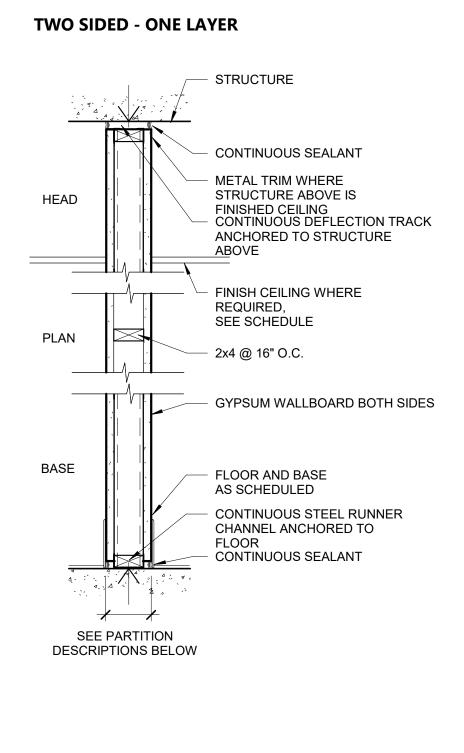
4 WOMEN'S RESTROOM- D 1/4" = 1'-0"











# **EXTEROR** TWO SIDED - ONE LAYER

EXT.

1 HR - ITS J99-22441.2

1 HOUR RATING

1 HOUR RATING

1 HOUR RATING

**EPOXY FLOORING** 

MOISTURE TOLERANT

SELF LEVING BASE

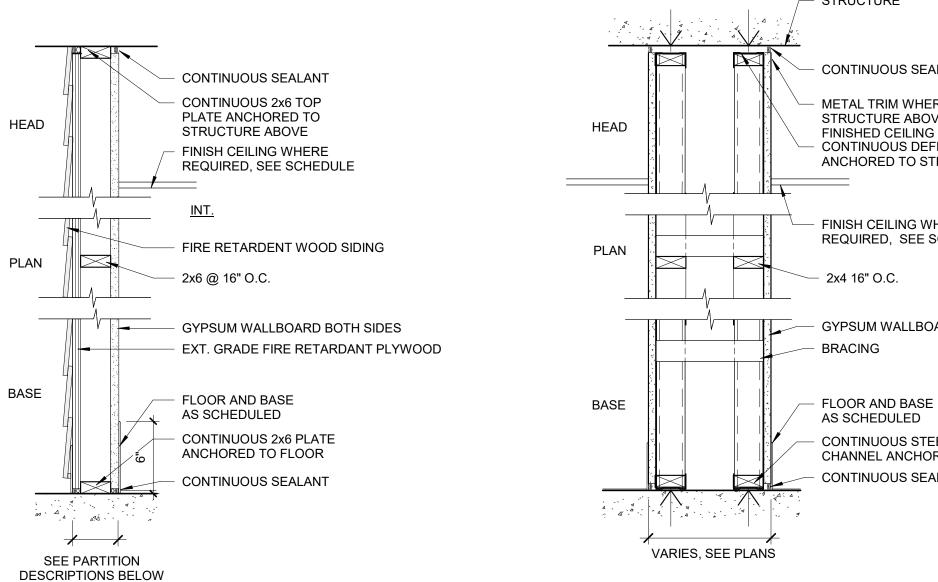
CONCRETE SLAB

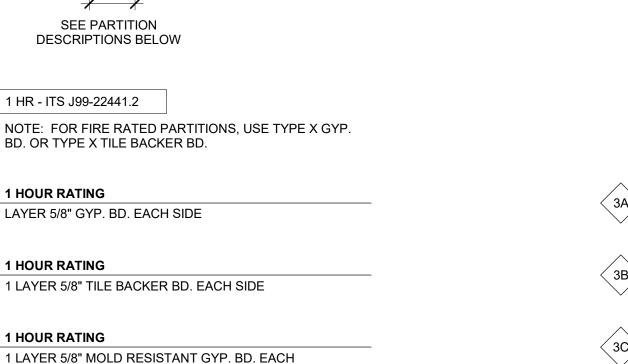
SYSTEM WITH

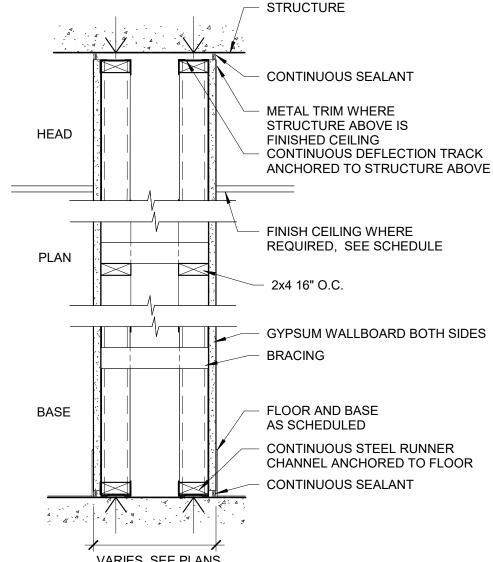
BD. OR TYPE X TILE BACKER BD.

LAYER 5/8" GYP. BD. EACH SIDE

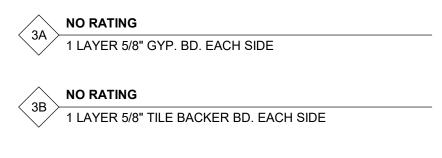
1 LAYER 5/8" TILE BACKER BD. EACH SIDE







**CHASE WALLS - ONE LAYER** 



1 LAYER 5/8" WATER RESISTANT GYP. BD. EACH

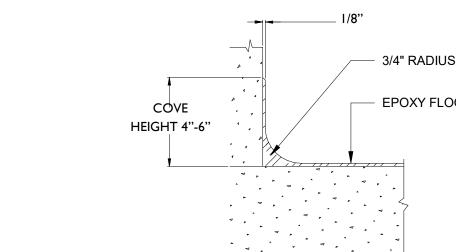
**NO RATING** 

# TILE SCHLUTER STRIP REQUIRED) - 3/4" RADIUS COVE **COVE HEIGHT** 4"-6" EPOXY FLOORING

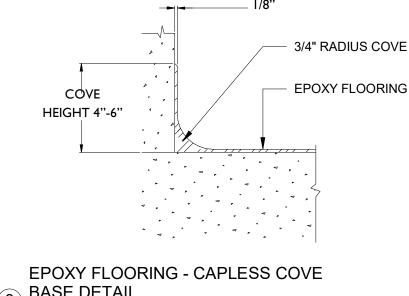
6" = 1'-0"

NAME

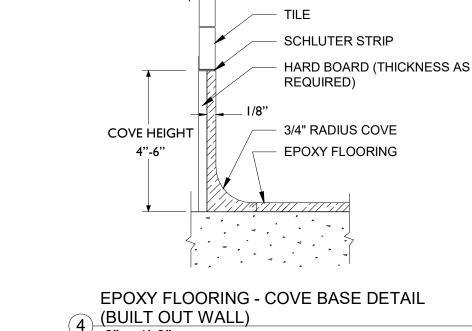
SIGNATURE







**EPOXY FLOORING - CHANNEL DRAIN** 5 DETAIL 6" = 1'-0"



- ALL WOOD FRAMING MEMBERS INCLUDING, BUT NOT LIMITED TO, WALL STUDS AND JOISTS, ARE INTENDED TO ACT AS A SYSTEM AS DETAILED IN THE STRUCTURAL DRAWINGS AND ONCE CONSTRUCTION IS COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY OF WOOD FRAMING SYSTEMS (I.E. TEMPORARY BRACING IF REQUIRED) DURING CONSRTUCTION AS A RESULT OF CONSTRUCTION METHODS AND SEQUENCES.
- ALL TIMBER SHALL BE SOUTHERN PINE LUMBER.

SPECIFICATIONS OR INDUSTRY STANDARDS.

TIMBER

- STORAGE OF ALL LUMBER AND TIMBER ON SITE SHALL BE KEPT OFF GROUND, UNDER COVER AND PROTECTED FROM DAMAGE.
- ALL DIMENSIONAL LUMBER SHALL BE CERTIFIED BY THE SUPPLIER IN WRITING TO BE KILN DRIED.
- STRUCTURE SHALL NOT BE ENCLOSED UNLESS LUMBER MOISTURE CONTENT HAS BEEN VERIFIED TO BE AT OR BELOW 15%. ANY SIGNS OF MOLD SHALL BE REMOVED AND TREATED IN ACCORDANCE WITH PROJECT
- ALL LUMBER IN CONTACT WITH THE GROUND OR CONCRETE SHALL BE PRESSURE TREATED.
- FASTENERS FOR PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL AND SHALL FOLLOW CURRENT SIMPSON GUIDELINES BASED ON WEATHER EXPOSURE. WHERE STAINLESS STEEL CONNECTORS OR HOT DIPPED GALVANIZED CONNECTORS ARE SPECIFIED IN THE DRAWINGS, STAINLESS STEEL OR HOT DIPPED GALVANIZED FASTENERS SHALL BE USED TO MATCH CONNECTOR TYPE.
- ALL PLATES AND LEDGERS SHALL BE FASTENED WITH A MINIMUM (3) ANCHORS PER PIECE UNLESS NOTED OTHERWISE.
- ALL METAL HARDWARE AND FRAMING ACCESSORIES SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY. ALL ITEMS SHALL BE INSTALLED PER THE SIMPSON'S INSTALLATION REQUIREMENTS. ALL NAIL HOLES SHALL BE FILLED WITH THE RECOMMENDED FASTENER UNLESS NOTED OTHERWISE ON THE DRAWING.
- T-10 HOLES FOR BOLTS SHALL BE DRILLED WITH A BIT OF THE SAME NOMIMAL DIAMETER AS THE BOLT + 1/16". LEAD HOLES FOR LAG SCREWS SHALL BE BORED PER NDS 11.1.3.
- T-11 ALL BOLTS, CARRIAGE BOLTS, LAG SCREWS, EXPANSION BOLTS AND EPOXY BOLTS SHALL BE INSTALLED WITH STANDARD CUT WASHERS UNDER THE BOLT HEAD AND NUTS THAT BEAR DIRECTLY ON THE WOOD. ALL NUTS SHALL BE TIGHTENED AT THE TIME OF INSTALLATION AND RE-TIGHTENED IF NECESSARY, DUE TO WOOD SHRINKAGE, PRIOR TO CLOSE OUT OR COMPLETION OF THE PROJECT. BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. WOOD SCREWS SHALL CONFORM TO B18.6.1. ALL BOLTS SHALL CONFORM TO ASTM A307 GRADE A UNLESS NOTED OTHERWISE.
- CUTTING AND NOTCHING OF SAWN LUMBER RAFTERS AND STUDS SHALL BE IN CONFORMANCE WITH THE FOLLOWING CRITERIA:

A. JOISTS NOTCHES AT THE ENDS OF JOISTS SHALL NOT EXCEED 1/5 OF THE JOIST DEPTH. HOLES IN JOISTS SHALL NOT BE WITHIN 2 1/2 INCHES OF THE TOP OR BOTTOM OF THE JOIST, AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED 1/4 THE DEPTH OF THE JOIST. NOTCHES IN THE TOP OR BOTTOM OF THE JOISTS SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE

LOCATED IN THE MIDDLE OF THE THIRD SPAN. **B. RAFTERS** NOTCHES AT THE ENDS OF RAFTERS OR CEILING JOISTS SHALL NOT EXCEED 1/5 OF THE DEPTH. NOTCHES IN THE TOP OR BOTTOM OF THE RAFTER OR

CEILING JOIST SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE 1/3 OF THE SPAN. EXCEPT THAT A NOTCH NOT EXCEEDING 1/3 OF THE DEPTH IS PERMITTED IN THE TOP OF THE RAFTERS OR CEILING JOIST NOT FURTHER FROM THE FACE OF THE SUPPORT THAN THE DEPTH OF THE MEMBER. HOLES BORED IN RAFTERS OR CEILING JOISTS SHALL NOT BE WITHIN 2 1/2 INCHES OF THE TOP AND BOTTOM AND THEIR DIAMETER SHALL NOT EXCEED 1/4 THE DEPTH OF THE MEMBER.

C. WALL STUDS A MAXIMUM OF 2 1/4 DIAMETER NEATLY BORED HOLE MAY BE PLACED IN THE CENTER OF ALL BEARING 2x6 STUDS WITH NO ADDITIONAL REINFORCEMENT

REQUIRED.

DUR-A-CHIP
FLOORING —
JOINT SEALANT —
DRAIN COVER
TYPICAL KEYWAY 1/4" x 1/4"
CONCRETE SLAB —

**NO RATING** 

**NO RATING** 

**PARTITION TYPES** 

2 EPOXY FLOOR TYPICAL DETAIL
6" = 1' 0"

1 LAYER 5/8" GYP. BD. EACH SIDE

LAYER 5/8" TILE BACKER BD. EACH SIDE

1 LAYER 5/8" MOLD RESISTANT GYP. BD. EACH

RECORD DRAWING CERTIFICATION AS BUILT - NO CHANGES PROJECT COORDINATOR CONTRACTOR

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOM PARTITION AND FLOORING TYPE DETAILS

WESTCHESTER COUNTY, NEW YORK NUMBER NUMBER 20-530 BCR-A-51 DWG NO.: Page 246 of 288 SCALE: **As indicated** DATE: **May 26, 2021** DPW FILE **1-118-A-634** REV. NO.

CONSULTANT CONSULTANT\_SE INFORMATION 3 Aerial Way, Syosset, New York 11791, (516) 938-5476 www.liro.com/

MADE APP'D NUMBER DATE REVISION REVISION BY

NAME SIGNATURE \_\_\_ DATE \_\_\_\_ TITLE

AS BUILT - CHANGES AS NOTED

DATE \_\_\_\_\_

NOTES:

IDENTIFIED IN PLAN.

**GENERAL** 

INSULATION) AND ACOUSTICAL SEALANT.

STRUCTURAL NOTES

1. SEE SPECIFICATIONS FOR TYPICAL METAL STUD GAUGES AND SPACING. PROVIDE

PARTITION WITH GLASS, TILE, SIM. - DEFLECTION L/360; LOAD 5 PSF

2. SEE SPECIFICATIONS FOR GYPSUM BOARD AND OTHER WALL BOARD TYPES,

3. REFER TO THE LATEST EDITION OF UNDERWRITERS LABORATORIES INC. FIRE

APPLICATIONS AND THICKNESS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

RESISTANCE DIRECTORY FOR ADDITIONAL REQUIREMENTS ON UL RATED ASSEMBLIES AS

NOTED IN THE PARTITION DESCRIPTIONS. WHERE UL# IS NOTED USE UL IN LIEU OF

4. ALL PARTITIONS INDICATED ON THIS SHEET MAY NOT BE USED. USE ONLY PARTITIONS

5. SOUND RATED PARTITIONS TYPES: WALL TYPE DESIGNATIONS INDICATED WITH AN "S"

ARE SOUND RATED AND REQUIRE SAFB (SOUND ATTENUATION FIRE BATT/BLANKET

THESE NOTES ARE GENERAL AND SUPPLEMENTAL TO THE SPECIFICATIONS.

THESE NOTES APPLY TO THE ENTIRE PROJECT UNLESS MODIFIED OR

USED WHEN REFERRED TO OR WHEN NO MORE RESTRICTIVE OR

USED FOR DESIGN OF STRUCTURES UON ON THE DRAWINGS.

STANDARD DETAILS, SHOWN ON DRAWING RCX-S-13 - RCX-S-14 SHALL BE

DESIGN WAS IN ACCORDANCE WITH AND CONSTRUCTION SHALL COMPLY

WITH THE PROVISIONS OF THE NEW YORK STATE BUILDING CODE (NYSBC). THE DESIGN LOADS AND OTHER DESIGN VALUES GIVEN BELOW WERE

60 PSF

30 PSF

30 PSF

L/360

NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

DIFFERENT DETAILS ARE SHOWN ON THE DRAWINGS.

DESIGN LOADS FOR NEW ELEMENTS:

TIMBER ROOF TRUSS:

SNOW LIVE LOAD

PEDESTRIAN LIVE LOAD =

MAXIMUM DEFLECTION =

THERMAL FACTOR, Ct = 1.0

BUILDING CATEGORY II

SEISMIC USE GROUP, III

GROUND SNOW LOAD, Pg = 30 PSF

BASIC WIND SPEED, V = 120 MPH

WIND EXPOSURE CATEGORY D

SEISMIC DESIGN CATEGORY C

AS SHOWN ON DRAWINGS

SPECTRAL RESPONSE COEFFICIENTS:

SEISMIC IMPORTANCE FACTOR I = 1.0

RESPONSE MODIFICATION FACTOR, R:

CROSS AXIS RESTROOMS: R = 7

DESIGN LOADS FOR THE STRUCTURE AS A WHOLE.

BASIC SEISMIC FORCE RESISTING SYSTEM IS

DESIGN BASE SHEAR, V = AS SHOWN ON DRAWINGS

ANALYSIS PROCEDURE IS EQUIVALENT LATERAL FORCE

LOADS INDICATED ABOVE REFLECT DESIGN LOADS FOR ANY NEW OR

ALL DIMENSIONS INDICATED (\*) ARE TO BE VERIFIED EITHER BY FIELD

EQUIPMENT FURNISHED. STRUCTURAL DIMENSIONS NOT SHOWN BUT CONTROLLED BY OR RELATED TO EQUIPMENT SHALL BE VERIFIED BY THE

CONTRACTOR WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.

STRUCTURAL DRAWINGS SHALL BE USED IN COORDINATION WITH THE

DRAWINGS OF ALL OTHER DISCIPLINES AND MANUFACTURER'S SHOP

SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS

WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS

(BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A

STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE

COMPLETED STRUCTURE. DURING CONSTRUCTION, THE STRUCTURES

SUPPORTING ELEMENTS OF THE STRUCTURE HAVE BEEN CONSTRUCTED

AND HAVE REACHED THE SPECIFIED MINIMUM CONCRETE STRENGTH.

THE STRUCTURAL ELEMENTS HAVE REACHED THE SPECIFIED MINIMUM CONCRETE STRENGTH. BACKFILL SHALL NOT BE PLACED AROUND THE STRUCTURES UNTIL THE LEAKAGE TEST HAS BEEN COMPLETED.

G-11 LEAKAGE TESTING OF HYDRAULIC STRUCTURES SHALL NOT BEGIN UNTIL

SHALL BE PROTECTED BY BRACING AND TEMPORARY SUPPORTS

WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR. OVERSTRESSING OF ANY STRUCTURAL ELEMENT IS PROHIBITED.

G-10 NO BACKFILL SHALL BE PLACED AGAINST ANY WALL UNLESS ALL

G-12 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION IN THE FIELD AS REQUIRED FOR NEW WORK.

MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND

LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 0.25 OF FASTENER

CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREA IN CONFLICT

IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE

REHABILITATED STRUCTURAL ELEMENTS. THEY SHOULD NOT BE TAKEN AS

MEASUREMENTS FOR EXISTING STRUCTURES OR BY SHOP DRAWINGS FOR

SNOW EXPOSURE FACTOR, Ce = 0.9

SNOW LOAD IMPORTANCE FACTOR, I = 1.1

INTERNAL PRESSURE COEFFICIENT, GCpi = ±0.18

CROSS AXIS RESROOMS: OPERATING FLOOR LOAD:

LIVE LOADS:

SNOW LOADS:

WIND DESIGN:

SEISMIC DESIGN:

SDS = .434

SD1 = .165

SITE CLASS E

METHOD, UON.

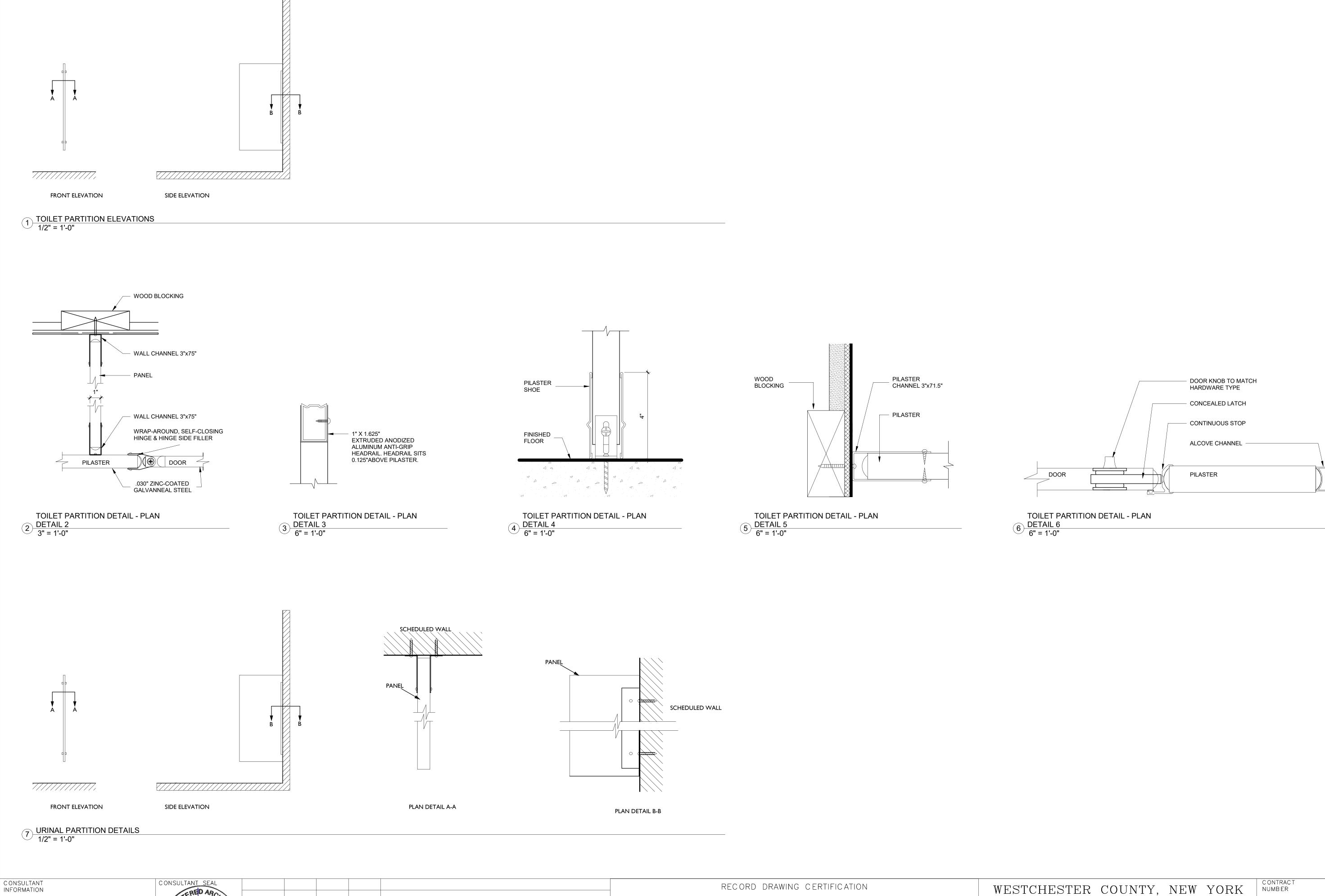
DRAWINGS.

RESOLVED BY THE ENGINEER.

SPACING FROM EACH END.

MINIMUM GAUGES BASED ON SPAN AS FOLLOWS:

TYPICAL PARTITION - DEFLECTION L/240; LOAD 5 PSF SHAFT WALLS - DEFLECTION L/240; LOAD 7.5 PSF

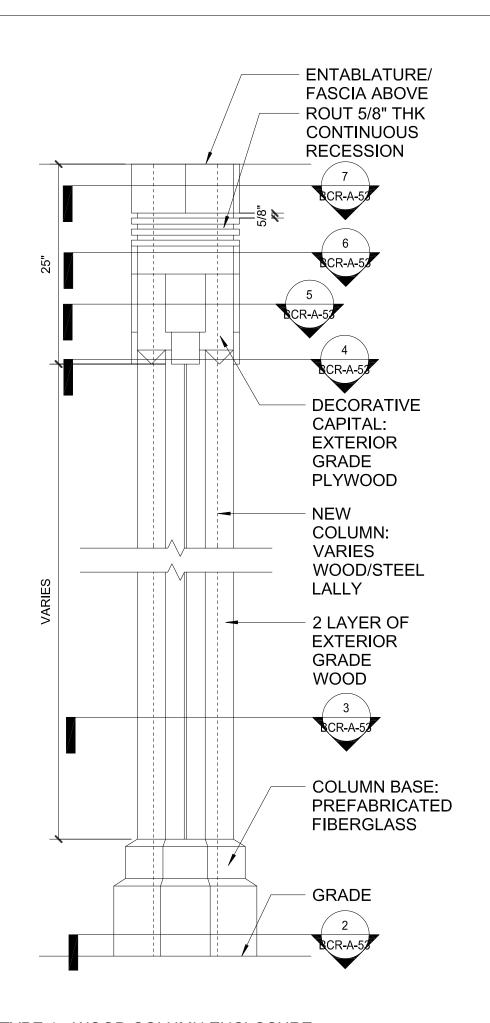




W. W.	1001					
	*	REVISION NUMBER DATE	MADE BY	APP'D BY	REVISION	NAME SIGNA TITLE

_ RECORD DRAWING CER	RIFICATION
AS BUILT — CHANGES AS NOTED	AS BUILT - NO CHANGES
CONTRACTOR	PROJECT COORDINATOR
NAME NAME SIGNATURE SIGNAT	

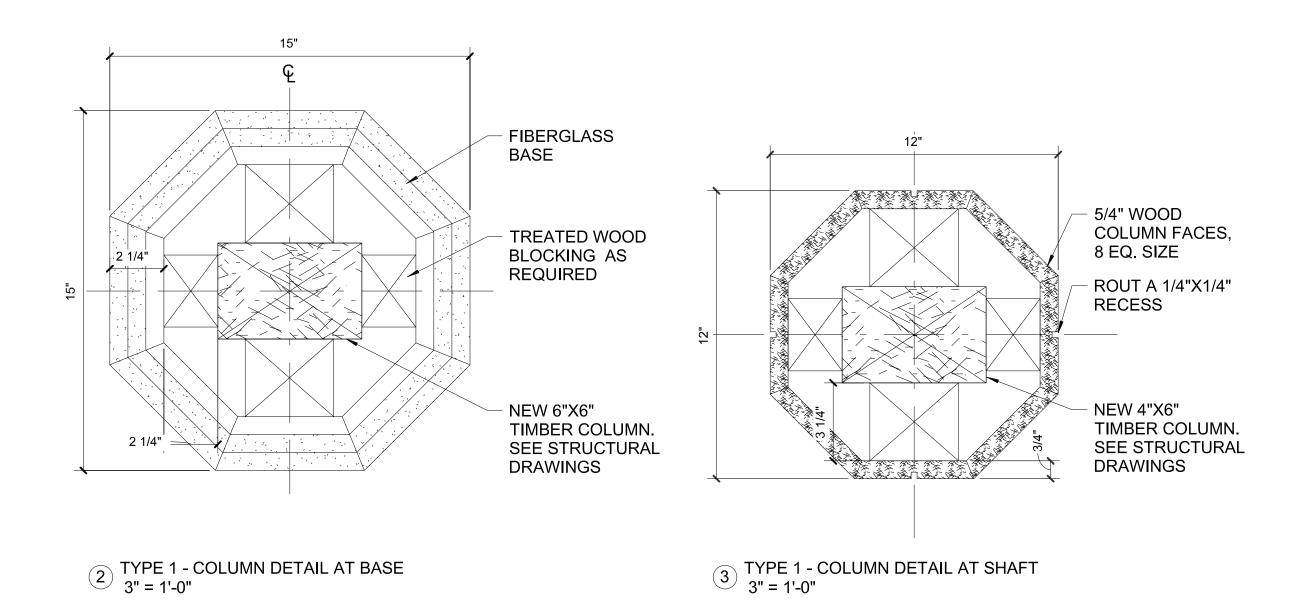
DIVISION OF ENGINEERING  INFRASTRUCTURE REHABILITATION - PHASE 2  SCA	O-530  DWG NO.: Page 247  SCALE: As indicate	
DOWN EX CANTROOM	DATE: <b>May 26, 20</b> DPW FILE <b>1-118-A-63</b>	

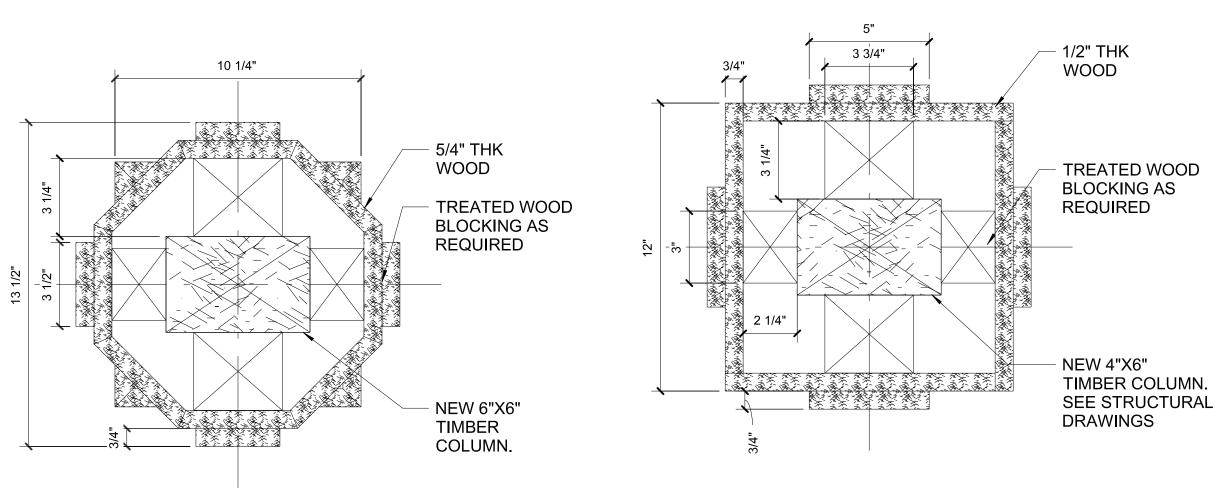


TYPE 1 - WOOD COLUMN ENCLOSURE 1 DETAILS 1" = 1'-0"

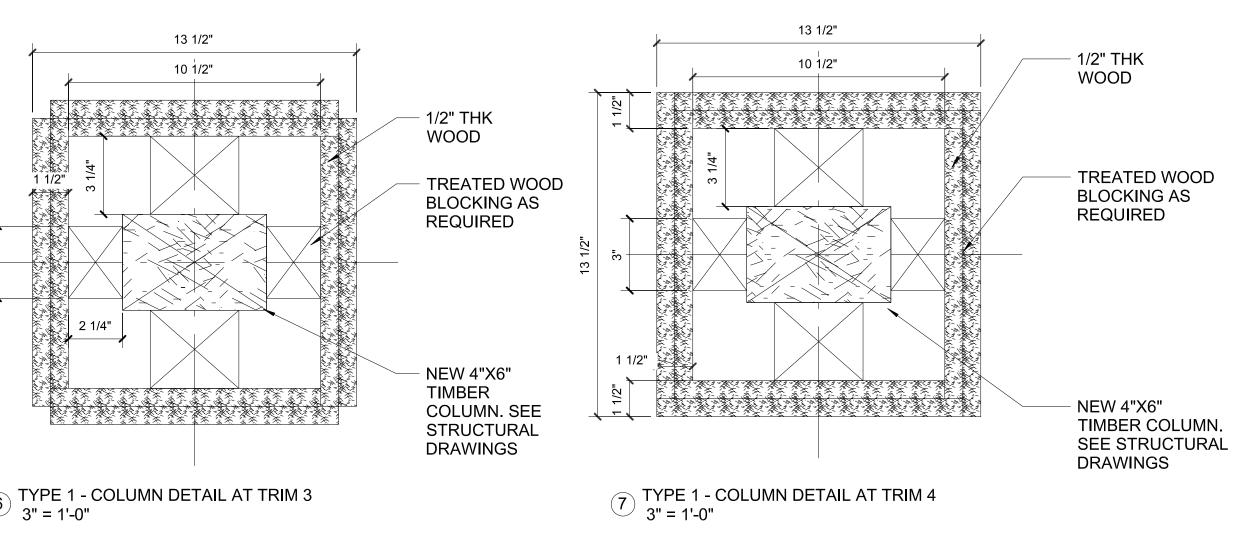
# **WOOD PRESERVATION NOTES:**

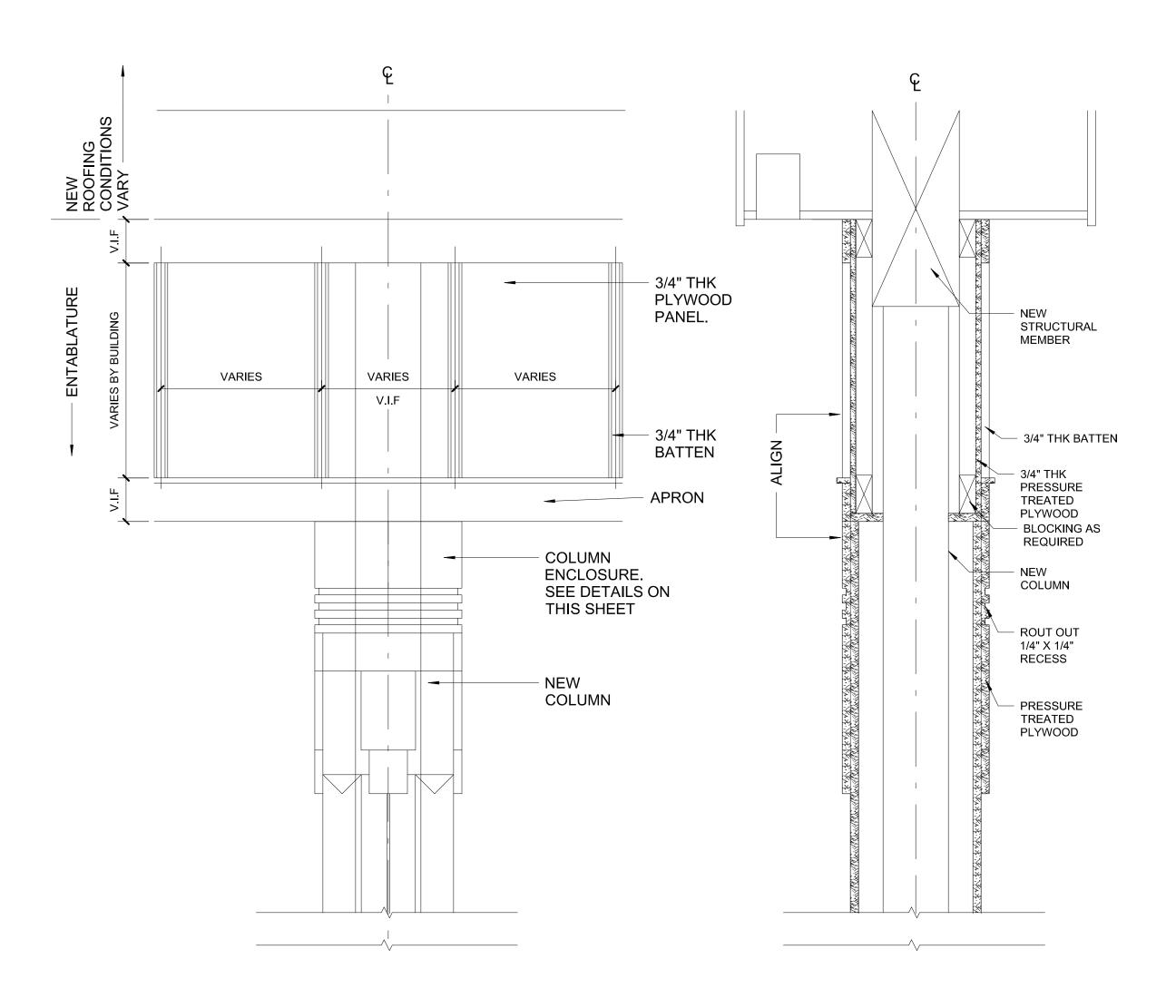
- 1. CONTRACTOR TO INSPECT ALL WOOD SURFACES TO DETERMINE IF REPAIRS, REPLACEMENT, REFINISHING AND OR CLEANING IS REQUIRED.
- 2. PAINT THAT IS FIRMLY ADHERED TO STRUCTURE SHOULD NOT BE REMOVED. IF PAINTING IS REQUIRED, THE DETERIORATED WOOD SHOULD BE HAND SCRAPPING AND SANDED.
- 3. REFER TO ENVIRONMENTAL PACKAGE FOR REMOVALS OF LEAD BASED PAINT. TOXIC MATERIALS SHOULD BE DISPOSED IN ACCORDANCE WITH LOCAL CODES, LAWS AND ANY MUNICIPAL REGULATIONS.
- 4. DETERIORATED WOOD SURFACES THAT CAN NOT
- BE REPAIRED SHOULD BE REPLACED IN KIND. 5. FOR PAINT STYLES SEE FINISH SCHEDULE ON BCR-A-65.



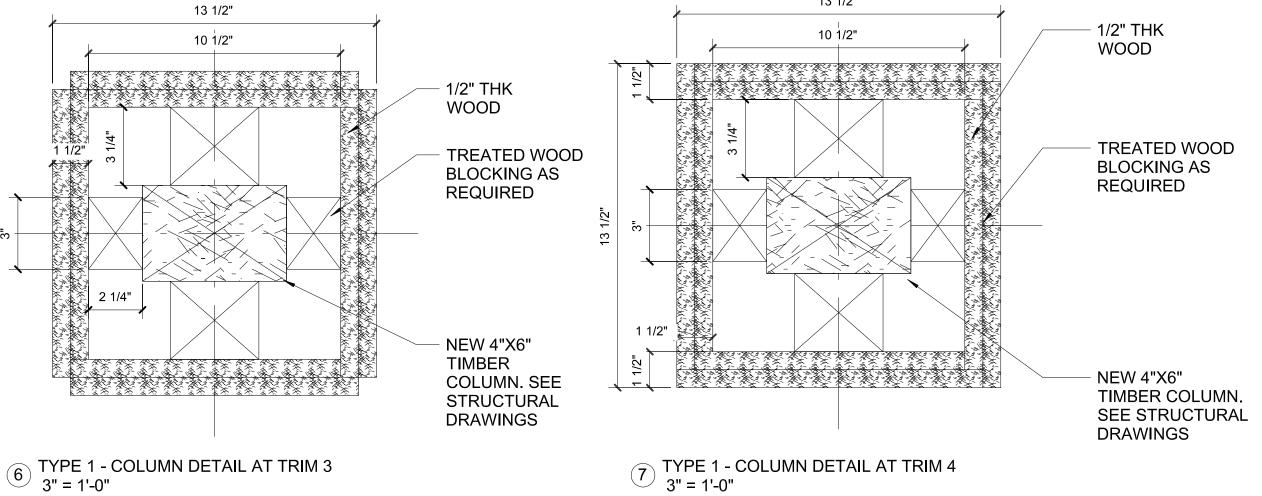


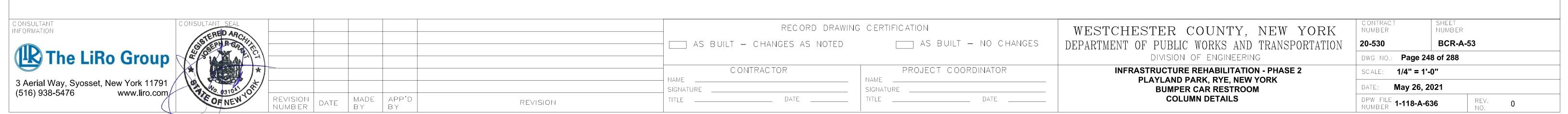






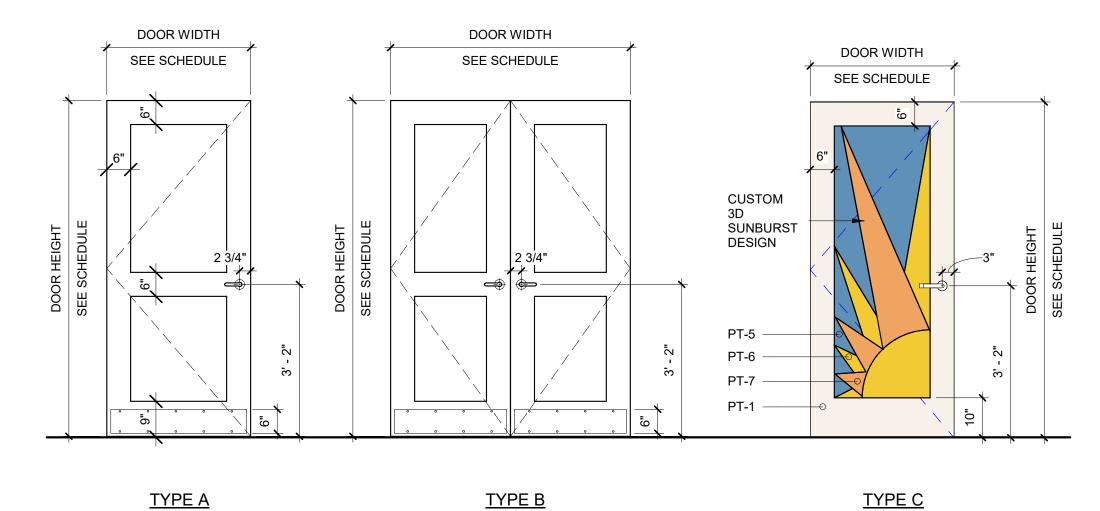
8 ENTABLATURE DETAILS 1 1/2" = 1'-0"





### DOOR SCHEDULE DOOR FRAME FRAME TYPE DOOR HEAD THRESHOLD NUMBER LOCATION TYPE | WIDTH | HEIGHT THK MATERIAL FINISH GLASS RATED FINISH HARDWARE SET REMARKS GROUND FLOOR PAINTED НМ PAINTED H1 165 3' - 0" 7' - 0" GROUND FLOOR PAINTED НМ PAINTED H1 C 3' - 0" 7' - 0" GROUND FLOOR PAINTED WD PAINTED H2 C 3' - 0" 7' - 0" GROUND FLOOR WD PAINTED WD PAINTED H2 **GROUND FLOOR** A 3' - 0" 7' - 0" WD PAINTED HM PAINTED E 0' - 0" 0' - 0" CASED OPENING. GROUND FLOOR GROUND FLOOR E 0' - 0" 0' - 0" CASED OPENING C 3' - 0" 7' - 0" A 3' - 0" 7' - 0" WD PAINTED GROUND FLOOR WD PAINTED WD PAINTED GROUND FLOOR HM PAINTED A 3' - 0" 7' - 0" WD PAINTED GROUND FLOOR PAINTED

WINDOW SO	CHEDUL	-E									
WINDOW TAG	TYPE	NO. OF WINDOWS	INT./EXT.	MATERIAL	HEIGHT	WIDTH	HEAD	JAMB	SILL	SILL HT.	REMARKS
W1		11	EXTERIOR	STEEL	2' - 6 1/4"	3' - 6 3/4"				9' - 0"	
W2		12	EXTERIOR	STEEL	2' - 6 1/4"	4' - 6 1/4"				9' - 0"	



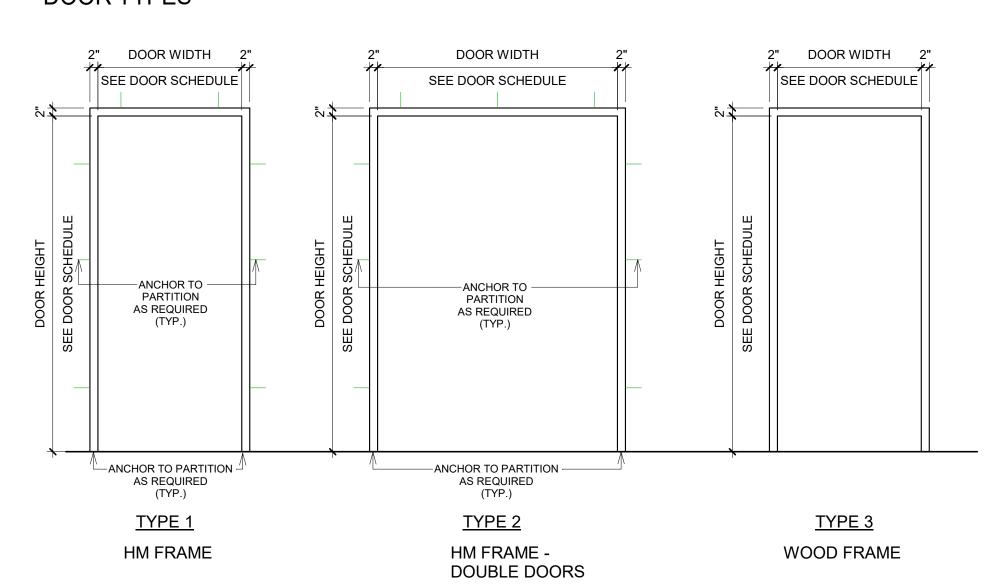
DOUBE WD DOOR

TYPE A SINGLE WD DOOR

TYPE C SINGLE WOOD DOOR W/ 3D DESIGN

\*NOTE: SEE BCR-A-62 FOR FINISH SCHEDULE

# DOOR TYPES

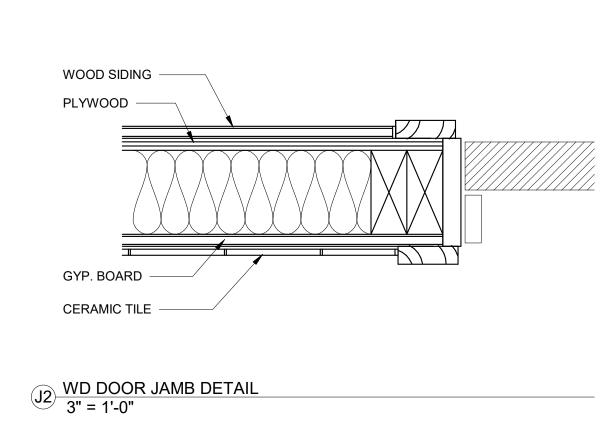


# **GENERAL DOOR SCHEDULE NOTES:**

1. REFER TO THIS SHEET FOR DOOR & FRAME TYPES.

SIGNATURE

- 2. REFER TO THIS SHEET FOR DOOR JAMB, HEAD, & FRAME DETAILS. 3. REFER TO THIS SHEET FOR DOOR SILL & TRANSITION DETAILS. SILL TRANSITION
- INFORMATION IS INDICATED ON FINISH PLAN UNLESS OTHERWISE NOTED.
- 4. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS, SCHEDULE AND SPECIFICATIONS AND FURNISH PROPER HARDWARE FOR ALL OPENINGS WHETHER LISTED OR NOT. COMPLETE
- SHOP DRAWINGS SHALL BE PROVIDED FOR APPROVAL PRIOR TO PURCHASE. 5. ALL EXIT DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY
- OR SPECIAL KNOWLEDGE. 6. VERIFY DIMENSIONS OF EXISTING OPENING AND DOORS BEFORE ORDERING.
- 7. THE CONTRACTOR SHALL COORDINATE & VERIFY LOCATION OF RECESSED FLOOR CLOSERS, PIVOTS, ETC WITH EXISTING FLOOR SLABS AND OTHER FIELD CONDITIONS PRIOR TO ORDERING TO ENSURE PROPER CLEARANCES & DEPTHS ARE ALLOWED.



**HOLLOW METAL** 

\*\*

FRAME (PAINT)

WOOD TRIM

SEALANT

SCHED. DOOR

1/2" GYPBD ABV TRIM RAIL 1/2"

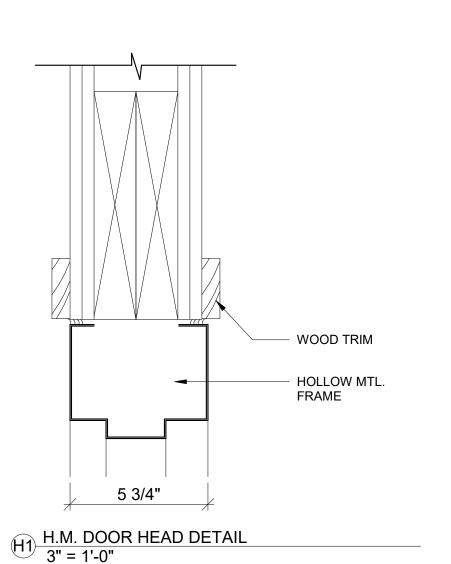
T & G BEADED PANEL BELOW

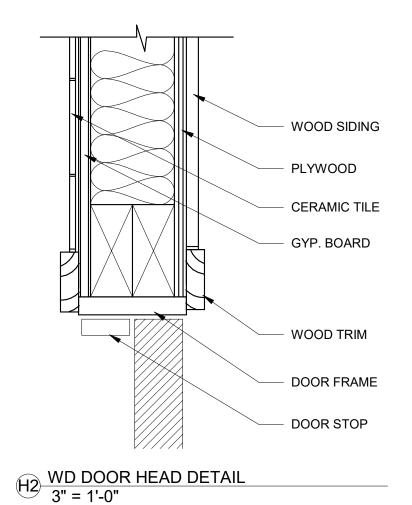
1/2" PLYWD -----

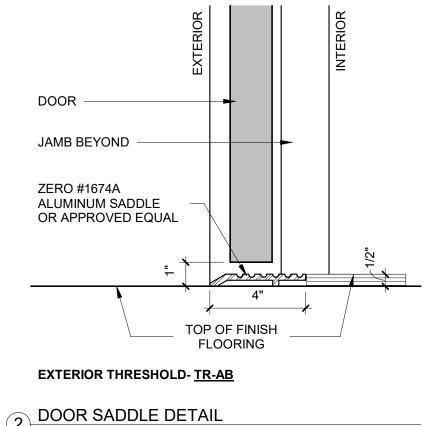
1/2" GYP. BD -

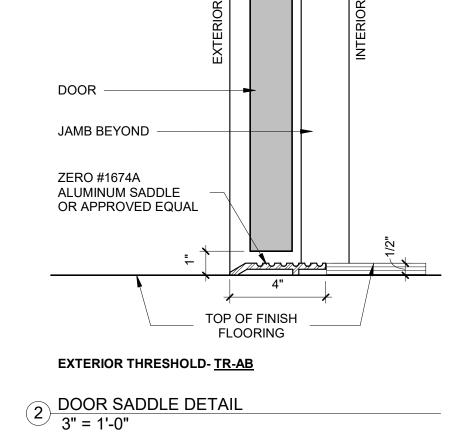
CERAMIC TILE

J1 H.M. DOOR JAMB DETAIL
3" = 1'-0"









DOOR FRAME TYPES



SEAL					
D ARCHIT					
28 18					
2104					
NEW YOU	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING	C ERTIFICATION
AS BUILT — CHANGES AS NOTED	AS BUILT — NO CHANGES
CONTRACTOR	PROJECT COORDINATOR

DATE \_\_\_\_

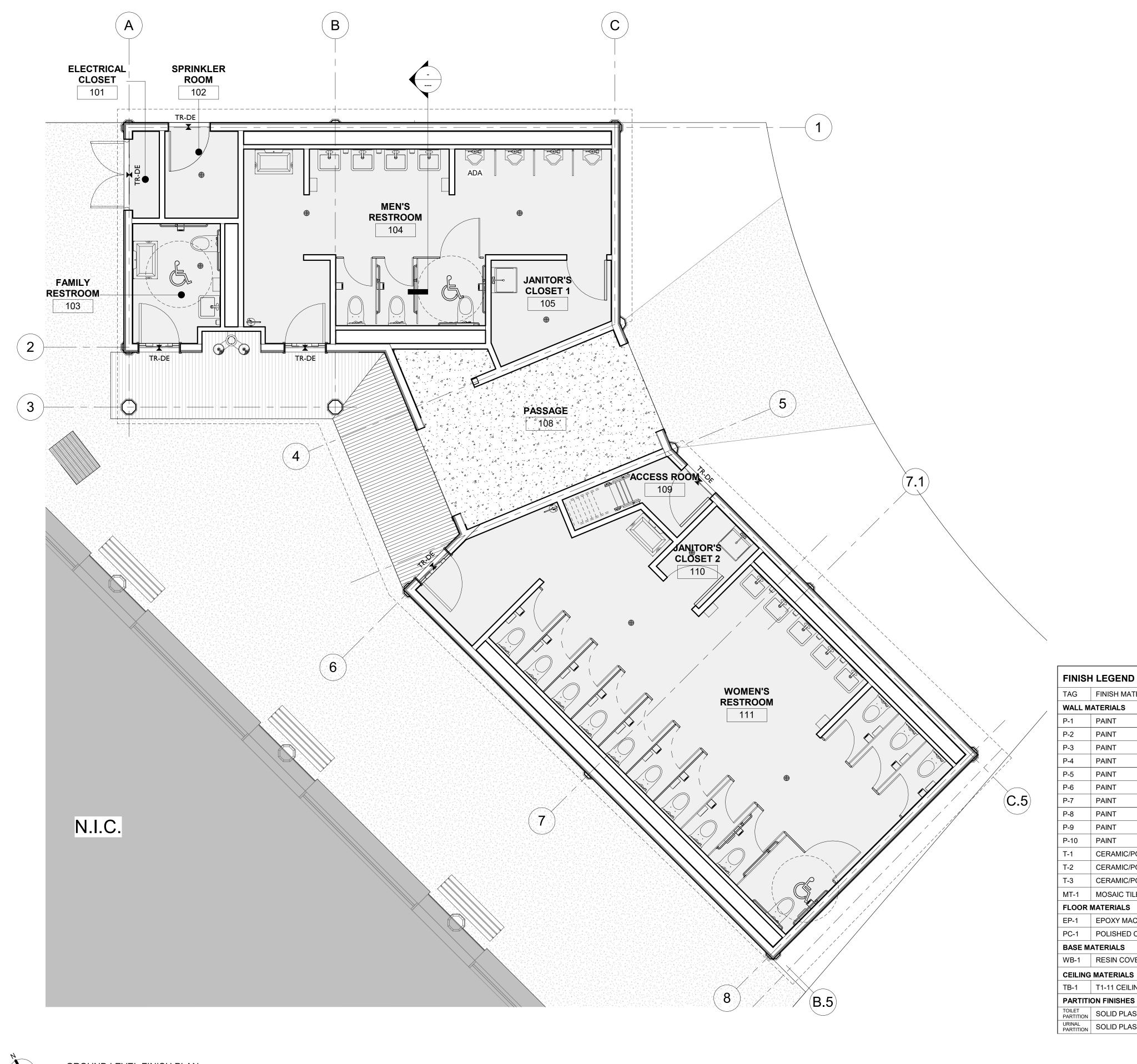
NAME

TITLE

SIGNATURE

DATE

WESTCHESTER COUNTY, NEW YORK	CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	20-530	BCR-A-61
DIVISION OF ENGINEERING	DWG NO.: Page 24	9 of 288
INFRASTRUCTURE REHABILITATION - PHASE 2	SCALE: As indicat	ed
PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOM	DATE: <b>May 26, 2</b> 0	)21
DOOR & WINDOW SCHEDULES AND DETAILS	DPW FILE 1-118-A-63	REV. 0



# **FINISH LEGEND:**

**EPOXY MACRO CHIP FLOORING** 

POLISHED CONCRETE FLOORING

TIMBER WOOD DECKING



- INDICATES WALL FINISH - INDICATES WALL BASE MATERIAL



TOUCH UP WORK.

TRANSITION STRIP SEE BCR-A-51 FOR DETAILS

# **FINISH PLAN NOTES:**

- FOR FINISH PLAN SCHEDULE AND NOTES SEE SHEET BCR-A-62 FOR EXTERIOR FINISHES SEE BUILDING ELEVATION PAGES BCR-A-21 & BCR-A-22.
- REFER TO WRITTEN FINISH SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 4. ALL FLOORING COVERING MATERIALS TO BE INSTALLED PER MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS. VERIFY WITH MANUFACTURER PRIOR INSTALLATION.
- 5. THE G.C. IS RESPONSIBLE FOR PROVIDING A SMOOTH LEVEL FLOOR SURFACE THAT MEETS MANUFACTURERS INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF ALL FLOORING
- 6. THE FLOORING SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CONDITION OF THE BASE FLOOR MEETS THE INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE NEW FLOORING MATERIAL.
- 7. ALL MATERIAL TRANSITIONS AN DOOR THRESHOLDS TO TAKE PLACE AT DOOR CENTERLINE U.N.O. 8. ALL DIMENSIONS ARE TO CENTERLINE OF TRANSITION BETWEEN FLOORING MATERIALS OR FINISH COLOR OF SAME MATERIAL. PLANS DO NOT SHOW ALL TILES OF SAME MATERIALS. CONTRACTOR
- TO START TILES AT POINT AS INDICATED ON PLANS. 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PREPARATION OF ALL NEW AND EXISTING SURFACES IN A SATISFACTORY MANNER TO RECEIVE NEW FINISHES. THIS INCLUDES THE DEMOLITION AND REMOVAL OF NECESSARY ITEMS. TOUCH- UP AND/ OR REFINISH OF SURFACES DAMAGED BY SUBSEQUENT WORK SHALL BE PERFORMED IN CONFORMANCE WITH
- THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. 10. ALL SURFACES WHICH ARE TO RECEIVE A PAINT FINISH SHALL BE PRIMED AND FINISHED IN
- ACCORDANCE WITH THE WRITTEN SPECIFICATIONS. 11. ALL JOINTS IN GYPSUM BOARD WALLS SHALL BE FINISHED WITH PAPER TAPE 2" WIDE AND THREE COATS OF VINYL, DRY OR PREMIXED JOINT COMPOUND. ALL OUTSIDE CORNERS SHALL BE FINISHED WITH METAL CORNER BEADS, TAPED AND SPACKLED. ALL AREAS TO BE PAINTED SHALL BE SANDED SMOOTH. JUST PRIOR TO THE APPLICATION OF THE FIRST COAT OF PAINT, WIPE SANDED SURFACES WITH A DAMP CLOTH IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE
- FORMED IN SANDING. 12. THE PAINT CONTRACTOR SHALL REMOVE ALL HARDWARE, SWITCH COVERS, ETC. PRIOR TO
- PAINTING AND BE RESPONSIBLE FOR THE REINSTALLATION AFTER PAINTING IS COMPLETED. 13. FINISH FLOORING INSTALLATION SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES. COORDINATE THE INSTALLATION WITH OTHER
- TRADES, SUCH AS ELECTRICAL. 14. ALL JOINTS BETWEEN MATERIALS TO BE TIGHT AND CONSTRUCTED IN A NEAT WORKMANLIKE
- 15. ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION. FIXTURE CONTRACTOR SHALL PROVIDE TO THE GENERAL CONTRACTOR ALL MATERIALS FOR
- 16. THE INTENT OF THE FINISH SPECIFICATIONS IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THE WORK. COVER ALL SURFACES THOROUGHLY. IF THE SPECIFIED NUMBER OF COATS DOES NOT ACCOMPLISH THE INTENT, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPLICATION OF ADDITIONAL COATS OF THE SPECIFIED MATERIAL TO GIVE SATISFACTORY COVERAGE, AT NO ADDITIONAL COST TO OWNER.
- 17. CLEAN ALL GLASS SURFACES WITH LIQUID GLASS CLEANER AT PROJECT COMPLETION. 18. REFERENCE SPECIFICATIONS FOR COMPLETE FINISH DOCUMENTATION AND MANUFACTURER INSTALLATION AND MAINTENANCE DOCUMENTATION.

TAG	FINISH MATERIAL	MANUFACTURER	MODEL/INFORMATION	COLOR	FINISH	LOCATION	REMARKS
WALL M	ATERIALS	<u>I</u>					
P-1	PAINT	BENJAMIN MOORE TBD		MYSTICAL POWERS #901	SEMI-GLOSS	WOOD SIDING, FASCIA	
P-2	PAINT BENJAMIN MOORE TBD		TBD	HERITAGE RED #PM-18	SEMI-GLOSS	TRIM/ DOOR & WINDOW FRAMES	
P-3	PAINT	BENJAMIN MOORE	TBD	BRIGHT YELLOW #343	SEMI-GLOSS	T-CAPITAL/ DECORATIVE MOLDINGS	
P-4	PAINT	BENJAMIN MOORE	TBD	NEW YORK STATE OF MIND #805	SEMI-GLOSS	COLUMN SHAFT/ DECORATIVE MOLDINGS	S
P-5	PAINT	BENJAMIN MOORE	TBD	LAZY SUNDAY #803	SEMI-GLOSS	RESTROOM DOORS - SUNBURST BACKGROUND	
P-6	PAINT	BENJAMIN MOORE	TBD	SUNRAYS #343	SEMI-GLOSS	RESTROOM DOORS - SUNBURST ACCENT #1	
P-7	PAINT	BENJAMIN MOORE	TBD	ANTELOPE CANYON #125	SEMI-GLOSS	RESTROOM DOORS - SUNBURST ACCENT #2	
P-8	PAINT	BENJAMIN MOORE	TBD	TRICORN BLACK #6258	SEMI-GLOSS	BASEBOARD/COLUMN BASE	
P-9	PAINT	BENJAMIN MOORE	TBD	CHANTILLY LACE #2121-70	SEMI-GLOSS	JANITOR'S CL/SPRINKLER RM	
P-10	PAINT	BENJAMIN MOORE	TBD	GRAY	SEMI-GLOSS	INTERIOR DOORS - JANITOR'S CL/SPRINKLER RM	
T-1	CERAMIC/PORCELAIN TILE	TBD	TBD	LT. GRAY	MATTE	RESTROOMS	8"X16" RECTANGULAR
T-2	CERAMIC/PORCELAIN TILE	TBD	TBD	MEDIUM GRAY	MATTE	RESTROOMS	8"X16" RECTANGULAR, UPTO 9
T-3	CERAMIC/PORCELAIN TILE	TBD	TBD	DARK GRAY	MATTE	RESTROOMS	8"X16" RECTANGULAR
MT-1	MOSAIC TILE	KALEIDOSCOPE	MB2023 - 3/4"x3/4"	JUBILEE	IRIDESCENT GLASS	DRINKING FOUNTAIN	OR APPROVED EQUAL
FLOOR I	MATERIALS						
EP-1	EPOXY MACROCHIP	DUR-A-FLEX	DUR-A-GUARD	PEWTER	MACRO CHIP	TYP.	
PC-1	POLISHED CONCRETE					PASSAGE	
BASE M	ATERIALS						
WB-1	RESIN COVE BASE	DUR-A-FLEX	TBD	PEWTER	MACRO CHIP	TYP.	
CEILING	MATERIALS						
TB-1	T1-11 CEILING BOARD	TBD	TBD	TBD	-	TYP.	
PARTITI	ON FINISHES						
TOILET PARTITION	SOLID PLASTIC (HDPE)	ASI ACCURATE PARTITIONS	FLOOR ANCHORED	BURGUNDY 9211	PEBBLE GRAINED	RESTROOMS	
URINAL PARTITION	SOLID PLASTIC (HDPE)	ASI ACCURATE PARTITIONS	48" WALL HUNG SCREENS	BURGUNDY 9211	PEBBLE GRAINED	RESTROOMS	

GROUND LEVEL FINISH PLAN

NOTE:

1. ALL FINISHES TO BE APPROVED BY ARCHITECT.

2. PRODUCT/MAUFACTURER SELECTION BY
CONTRACTOR TO BE BASED ON THE
PERFORMANCE AND REQUIREMENTS STATED IN THE SPECIFICATIONS.

C ONSULTANT INFORMATION	
The Li	Ro Group
3 Aerial Way, Syosso (516) 938-5476	et, New York 11791 www.liro.com

CONSULTANT SEAL				RECORD DRAWIN
STEPH P GRANTE				AS BUILT — CHANGES AS NOTED
				CONTRACTOR NAME
10 3104 10th	DEVISION	MADE APP'		SIGNATURE DATE
OF NEW	REVISION NUMBER DATE	MADE APP' BY BY	REVISION	TITLE DATE

RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED CONTRACTOR

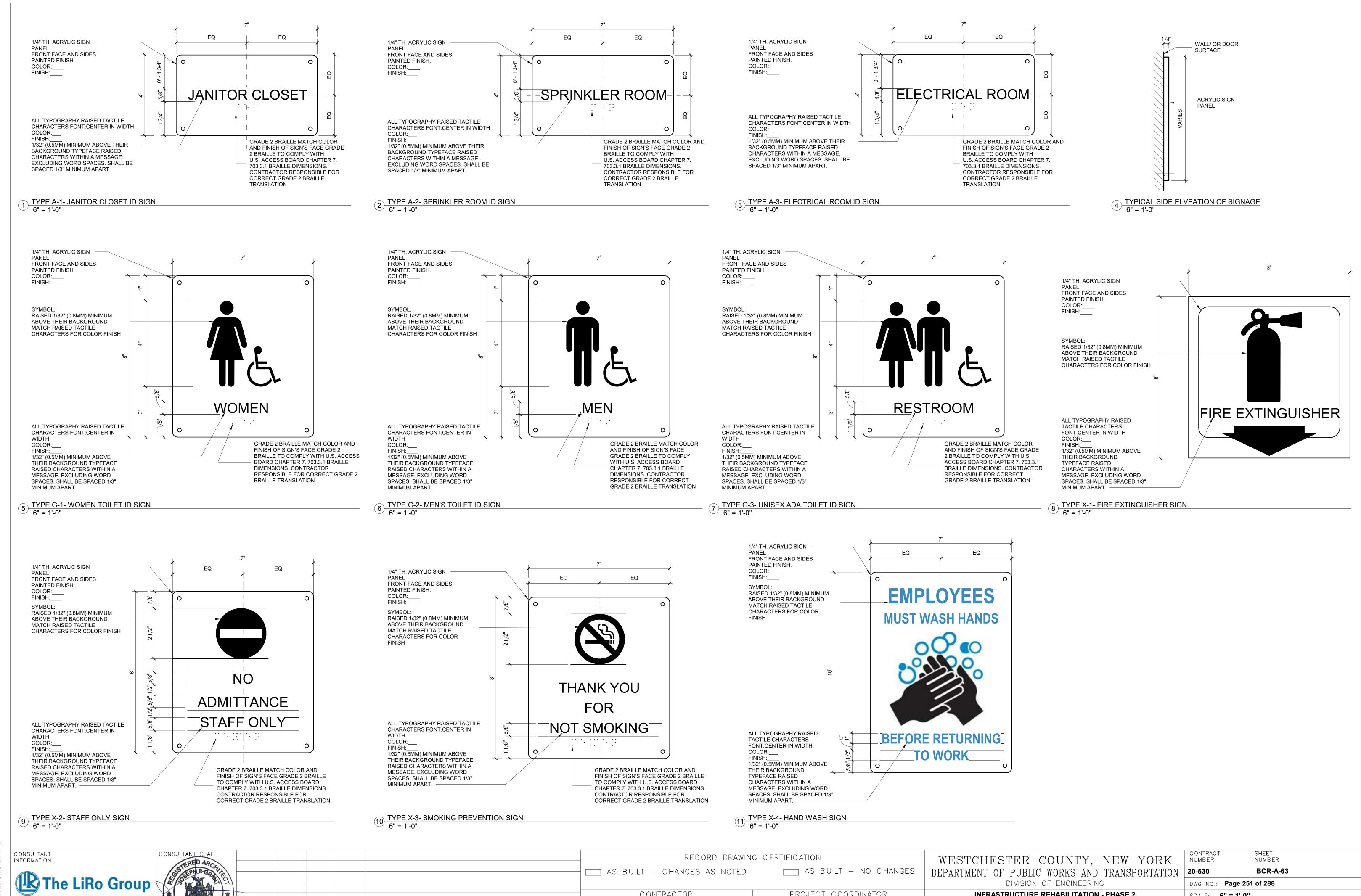
\_\_\_\_ AS BUILT — NO CHANGES PROJECT COORDINATOR NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOM FINISH PLAN. SCHEDULE AND TRANSITION DETAILS

NUMBER BCR-A-62 DWG NO.: **Page 250 of 288** SCALE: **As indicated** DATE: **May 26, 2021** DPW FILE **1-118-A-638** NUMBER REV. 0



CONTRACTOR

DATE \_\_\_\_

NAME

REVISION

SIGNATURE

PROJECT COORDINATOR

\_\_\_\_ DATE

SIGNATURE \_\_\_\_

TITLE

**INFRASTRUCTURE REHABILITATION - PHASE 2** 

PLAYLAND PARK, RYE, NEW YORK

**BUMPER CAR RESTROOM** 

SIGNAGE TYPES, SCHEDULE AND DETAILS

SCALE: 6" = 1'-0"

DATE: **May 26, 2021** 

DPW FILE **1-118-A-639** 

REV. NO.

3 Aerial Way, Syosset, New York 11791

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# <u>GENERAL</u>

- THESE NOTES ARE GENERAL AND SUPPLEMENTAL TO THE SPECIFICATIONS. THESE NOTES APPLY TO THE ENTIRE PROJECT UNLESS MODIFIED OR NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
- G-2 STANDARD DETAILS, SHOWN ON DRAWINGS COL-S-12 THRU COL-S-14 SHALL BE USED WHEN REFERRED TO OR WHEN NO MORE RESTRICTIVE OR DIFFERENT DETAILS ARE SHOWN ON THE DRAWINGS.
- DESIGN WAS IN ACCORDANCE WITH AND CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE NEW YORK STATE BUILDING CODE (NYSBC). THE DESIGN LOADS AND OTHER DESIGN VALUES GIVEN BELOW WERE USED FOR DESIGN OF STRUCTURES UON ON THE DRAWINGS.
- G-4 DESIGN LOADS FOR NEW ELEMENTS: LIVE LOADS: BUMPER CARS RESTROOM: SNOW LOADS: GROUND SNOW LOAD, Pg = 30 PSFSNOW EXPOSURE FACTOR, Ce = 0.9SNOW LOAD IMPORTANCE FACTOR, I = 1.1

THERMAL FACTOR, Ct = 1.0

- WIND DESIGN: BASIC WIND SPEED, V = 126 MPHBUILDING CATEGORY III WIND EXPOSURE CATEGORY B INTERNAL PRESSURE COEFFICIENT,  $GCpi = \pm 0.18$
- SEISMIC DESIGN: SPECTRAL RESPONSE COEFFICIENTS: SDS = .296SD1 = .096SITE CLASS D SEISMIC DESIGN CATEGORY B SEISMIC IMPORTANCE FACTOR I = 1.25BASIC SEISMIC FORCE RESISTING SYSTEM IS AS SHOWN ON DRAWINGS DESIGN BASE SHEAR, V = AS SHOWN ON DRAWINGS ANALYSIS PROCEDURE IS EQUIVALENT LATERAL FORCE METHOD, UON. RESPONSE MODIFICATION FACTOR, R: BUMPER CARS RESTROOM: R = 7
- LOADS INDICATED ABOVE REFLECT DESIGN LOADS FOR ANY NEW OR REHABILITATED STRUCTURAL ELEMENTS. THEY SHOULD NOT BE TAKEN AS DESIGN LOADS FOR THE STRUCTURE AS A WHOLE.
- ALL DIMENSIONS INDICATED (\*) ARE TO BE VERIFIED EITHER BY FIELD MEASUREMENTS FOR EXISTING STRUCTURES OR BY SHOP DRAWINGS FOR EQUIPMENT FURNISHED. STRUCTURAL DIMENSIONS NOT SHOWN BUT CONTROLLED BY OR RELATED TO EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.
- STRUCTURAL DRAWINGS SHALL BE USED IN COORDINATION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND MANUFACTURER'S SHOP DRAWINGS.
- G-7 IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREA IN CONFLICT SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS RESOLVED BY THE ENGINEER.
- WHENEVER ONE MEMBER IS FASTENED TO ANOTHER WITH FASTENINGS (BOLTS, WELDS, ETC.) SET AT A UNIFORM SPACING, THERE SHALL BE A MINIMUM OF TWO FASTENINGS PER PIECE CONNECTED AND THE FIRST AND LAST FASTENINGS SHALL BE LOCATED NOT TO EXCEED 0.25 OF FASTENER SPACING FROM EACH END.
- STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURE. DURING CONSTRUCTION. THE STRUCTURES SHALL BE PROTECTED BY BRACING AND TEMPORARY SUPPORTS WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR. OVERSTRESSING OF ANY STRUCTURAL ELEMENT IS PROHIBITED.
- G-10 NO BACKFILL SHALL BE PLACED AGAINST ANY WALL UNLESS ALL SUPPORTING ELEMENTS OF THE STRUCTURE HAVE BEEN CONSTRUCTED AND HAVE REACHED THE SPECIFIED MINIMUM CONCRETE STRENGTH.
- G-11 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION IN THE FIELD AS REQUIRED FOR NEW WORK.

# **FOUNDATIONS**

- F-1 DESIGN ASSUMPTIONS: A) ALLOWABLE BEARING PRESSURE: 1. SOUND ROCK - 8 TSF, 2. OVERBURDEN – 1 TSF.
  - B) GROUNDWATER: EXISTING GROUNDWATER ELEVATIONS VARY ACROSS
- F-2 GRAVITY UNDER DRAINS SHALL BE PROVIDED TO PERMANENTLY LOWER
- F-3 CONCRETE GENERAL NOTES APPLY TO FOUNDATIONS.
- MINIMUM DEPTH FROM ADJACENT FINISHED GRADE TO BOTTOM OF FOUNDATION, 4'-0"
- FOUNDATIONS BEARING ON ROCK SHALL BE CONSTRUCTED SUCH THAT ROCK SURFACE IS LEVEL, UNLESS APPROVED BY ENGINEER.
- COMPACTED SELECT GRANULAR FILL 12 INCHES THICK MINIMUM, SHALL BE PLACED BELOW ALL CONCRETE FOUNDATIONS UNLESS DIRECTLY BEARING ON SOUND ROCK.

## STRUCTURAL METALS

- S-1 DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND LRFD DESIGN (LRFD MANUAL OF STEEL CONSTRUCTION, CURRENT EDITION).
- S-2 STEEL MATERIAL:
  - A) STRUCTURAL TUBING, ASTM A 500, GRADE B.
    - B) STRUCTURAL PIPE, ASTM A 53, GRADE B. C) PLATES AND ANGLES, ASTM A 36 UNO.
    - D) STRUCTURAL W SHAPES, ASTM A 992 (MIN. YIELD STRENGTH OF 50 KSI).
    - E) STRUCTURAL S, M, & H SHAPES ASTM A572 GRADE 50.
- S-3 PROVIDE MIN 3/4" DIAMETER ASTM A 325 HIGH STRENGTH BOLTS WITH FULLY TIGHTENED TYPE N CONNECTIONS FOR STRUCTURAL STEEL UON.
- PROVIDE TYPICAL STEEL BEAM CONNECTIONS FOR A CAPACITY NOT LESS THAN THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE AISC TABLES FOR ALLOWABLE LOADS OF BEAMS UNLESS NOTED OTHERWISE.
- S-5 CAST IN PLACE ANCHOR BOLTS FOR STRUCTURAL STEEL SHALL CONFORM TO ASTM A307 UON.
- DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ARE TO BE ENCASED IN CONCRETE.
- STAINLESS STEEL SHALL BE TYPE 316 FOR BOLTED CONSTRUCTIONS AND 316L FOR WELDED CONSTRUCTIONS.
- S-8 ALUMINUM SHALL BE ALLOY 6061-T6.
- S-9 ALL GROOVE AND BUTT WELDS SHALL BE FULL PENETRATION.
- S-10 FILLET WELD SIZES SHALL BE THE MINIMUM SIZE REQUIRED BY AISC CODE FOR PLATE SIZES TO BE CONNECTED AND SHALL BE APPLIED TO THE ENTIRE JOINT CONTACT LENGTH, BUT NOT LESS THAN 3/16".
- S-11 DETAIL, FABRICATE, AND ERECT ALUMINUM IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION CONSTRUCTION MANUAL CURRENT EDITION.
- S-12 ALL BOLTS, ANCHOR BOLTS, AND CONCRETE ANCHORS CONNECTING ALUMINUM SHALL BE TYPE 316 STAINLESS STEEL UON.
- S-13 ALUMINUM SHALL BE ISOLATED FROM CONTACT WITH CONCRETE OR DISSIMILAR METALS.

- T-1 ALL WOOD FRAMING MEMBERS INCLUDING, BUT NOT LIMITED TO. WALL STUDS AND JOISTS, ARE INTENDED TO ACT AS A SYSTEM AS DETAILED IN THE STRUCTURAL DRAWINGS AND ONCE CONSTRUCTION IS COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY OF WOOD FRAMING SYSTEMS (I.E. TEMPORARY BRACING IF REQUIRED) DURING CONSRTUCTION AS A RESULT OF CONSTRUCTION METHODS AND SEQUENCES.
- T-2 ALL TIMBER BELOW FLOOR DECKING SHALL BE PRESSURE-TREATED SOUTHERN PINE LUMBER.
- T-3 STORAGE OF ALL LUMBER AND TIMBER ON SITE SHALL BE KEPT OFF GROUND, UNDER COVER AND PROTECTED FROM DAMAGE.
- T-4 ALL DIMENSIONAL LUMBER SHALL BE CERTIFIED BY THE SUPPLIER IN WRITING TO BE KILN DRIED.
- STRUCTURE SHALL NOT BE ENCLOSED UNLESS LUMBER MOISTURE CONTENT HAS BEEN VERIFIED TO BE AT OR BELOW 15%. ANY SIGNS OF MOLD SHALL BE REMOVED AND TREATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS OR INDUSTRY STANDARDS.
- T-6 ALL LUMBER IN CONTACT WITH THE GROUND OR CONCRETE SHALL BE PRESSURE TREATED.
- T-7 FASTENERS FOR PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL AND SHALL FOLLOW CURRENT SIMPSON GUIDELINES BASED ON WEATHER EXPOSURE. WHERE STAINLESS STEEL CONNECTORS OR HOT DIPPED GALVANIZED CONNECTORS ARE SPECIFIED IN THE DRAWINGS. STAINLESS STEEL OR HOT DIPPED GALVANIZED FASTENERS SHALL BE USED TO MATCH CONNECTOR TYPE.
- T-8 ALL PLATES AND LEDGERS SHALL BE FASTENED WITH A MINIMUM (3) ANCHORS PER PIECE UNLESS NOTED OTHERWISE.
- T-9 ALL METAL HARDWARE AND FRAMING ACCESSORIES SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY. ALL ITEMS SHALL BE INSTALLED PER THE SIMPSON'S INSTALLATION REQUIREMENTS. ALL NAIL HOLES SHALL BE FILLED WITH THE RECOMMENDED FASTENER UNLESS NOTED OTHERWISE ON THE DRAWING.
- T-10 HOLES FOR BOLTS SHALL BE DRILLED WITH A BIT OF THE SAME NOMIMAL DIAMETER AS THE BOLT + 1/16". LEAD HOLES FOR LAG SCREWS SHALL BE BORED PER NDS 11.1.3.
- T-11 ALL BOLTS, CARRIAGE BOLTS, LAG SCREWS, EXPANSION BOLTS AND EPOXY BOLTS SHALL BE INSTALLED WITH STANDARD CUT WASHERS UNDER THE BOLT HEAD AND NUTS THAT BEAR DIRECTLY ON THE WOOD. ALL NUTS SHALL BE TIGHTENED AT THE TIME OF INSTALLATION AND RE-TIGHTENED IF NECESSARY, DUE TO WOOD SHRINKAGE, PRIOR TO CLOSE OUT OR COMPLETION OF THE PROJECT. BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. WOOD SCREWS SHALL CONFORM TO B18.6.1. ALL BOLTS SHALL CONFORM TO ASTM A307 GRADE A UNLESS NOTED OTHERWISE.
- T-12 CUTTING AND NOTCHING OF SAWN LUMBER RAFTERS AND STUDS SHALL BE IN CONFORMANCE WITH THE FOLLOWING CRITERIA:
  - A. JOISTS NOTCHES AT THE ENDS OF JOISTS SHALL NOT EXCEED 1/5 OF THE JOIST DEPTH. HOLES IN JOISTS SHALL NOT BE WITHIN 21/2 INCHES OF THE TOP OR BOTTOM OF THE JOIST, AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED 1/4 THE DEPTH OF THE JOIST. NOTCHES IN THE TOP OR BOTTOM OF THE JOISTS SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE OF THE THIRD SPAN.
  - B. RAFTERS NOTCHES AT THE ENDS OF RAFTERS OR CEILING JOISTS SHALL NOT EXCEED 1/5 OF THE DEPTH. NOTCHES IN THE TOP OR BOTTOM OF THE RAFTER OR CEILING JOIST SHALL NOT EXCEED 1/6 THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE 1/3 OF THE SPAN. EXCEPT THAT A NOTCH NOT EXCEEDING 1/3 OF THE DEPTH IS PERMITTED IN THE TOP OF THE RAFTERS OR CEILING JOIST NOT FURTHER FROM THE FACE OF THE SUPPORT THAN THE DEPTH OF THE MEMBER. HOLES BORED IN RAFTERS OR CEILING JOISTS SHALL NOT BE WITHIN 21/2" INCHES OF THE TOP AND BOTTOM AND THEIR DIAMETER SHALL NOT EXCEED 1/4 THE DEPTH OF THE MEMBER.
  - C. WALL STUDS A MAXIMUM OF  $2\frac{1}{4}$ " DIAMETER NEATLY BORED HOLE MAY BE PLACED IN THE CENTER OF ALL BEARING 2x6 STUDS WITH NO ADDITIONAL REINFORCEMENT REQUIRED.

# SPECIAL INSPECTIONS

- S-1 SPECIAL INSPECTION SHALL COMPLY WITH SPECIFICATIONS.
- SPECIAL INSPECTION WILL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE NYS BUILDING CODE.
- SPECIAL INSPECTION WILL BE PERFORMED ON THE FOLLOWING STRUCTURAL
  - A) WOOD CONSTRUCTION (1705.5).
  - B) CONCRETE CONSTRUCTION (1705.3).
  - C) SOILS (1705.6).
  - D) DRIVEN DEEP FOUNDATIONS (1705.7).

# **DEMOLITION**

EXISTING REINFORCED CONCRETE WALL OR STRUCTURE TO BE DEMOLISHED

SAW CUT LINE - FULL DEPTH

UNLESS NOTED OTHERWISE



CONTRACTOR IS ALERTED THAT LIMITS OF DEMOLITION SHOWN IS APPROXIMATE, ACTUAL LIMITS SHALL BETHE MINIMUM REQUIRED FOR NEW STRUCTURE. CONTRACTOR TO CO-ORDINATE AND SUBMIT DEMOLITION PROCEDURE PER SPECIFICATIONS.

- D-2 ALL ITEMS SHOWN ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE
- D-3 FOR ADDITIONAL DEMOLITION REQUIREMENTS SEE SPECIFICATIONS (024116).
- ALL EXISTING CONCRETE TO BE DEMOLISHED IS STEEL REINFORCED UNLESS NOTED OTHERWISE. REINFORCING STEEL NOT SHOWN FOR CLARITY.
- D-5 FOR ADDITIONAL DEMOLITION NOT SHOWN, SEE G, A, M, E, H, AND P

# PILE NOTES

- P-1 PILES SHALL BE DESIGNED AND INSTALLED BY A QUALIFIED PILE CONTRACTOR IN ACCORDANCE WITH THE BORED-IN PILE SPECIFICATIONS AND SUBJECT TO THE REQUIREMENTS LISTED HEREIN.
- P-2 THE CONTRACTOR SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK TO DESIGN PILE AND SUBMIT THE DESIGN TO THE ENGINEER FOR APPROVAL.
- THE BORED-IN PILE SHALL BE MINIMUM 9 5/8" WITH 0,545" WALL THICKNESS AND DESIGNED AND INSTALLED FOR ULTIMATE LOAD IN COMPRESSION = 60 TONS ALLOWABLE LOAD IN COMPRESSION = 30 TONS.
- P-4 ALL BORED-IN PILES SHALL BE GROUTED WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- P-5 ALL BORED-IN PILES SHALL HAVE FULL LENGTH 1-1/4" Ø THREADBARS. THE THREADBARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A722, GRADE 150 AS MANUFACTURED BY DYWIDAG OR APPROVED EQUAL, UNLESS NOTED OTHERWISE. PROVIDE BEARING PLATES AND NUTS IN ACCORDANCE WITH THE THREADBAR MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE CENTRALIZERS FOR THREADBARS AT 10 FEET MAXIMUM VERTICAL SPACING.
- CUT OFF THE ELEVATIONS OF THE BORED-IN PILES AS SHOWN ON DRAWINGS.
- ALL BORED-IN PILES SHALL BE INSTALLED WITH A MAXIMUM LATERAL TOLERANCE OF THREE INCHES.
- DRILLING OPERATION SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.
- P-10 ONE (1) STATIC AXIAL COMPRESSION LOAD TEST WILL BE REQUIRED.
- P-11 THE INSTALLATION METHOD USED FOR THE SUCCESSFUL COMPLETION OF LOAD TESTING SHALL BE USED FOR ALL THE PRODUCTION PILES.
- P-12 THE CONTRACTOR SHALL SUBMIT A STATIC AXIAL LOAD TESTING PROGRAM CONSISTING OF ONE (1) COMPRESSION TEST SHOWING PROPOSED PILE LOAD TEST LOCATIONS FOR APPROVAL OF THE ENGINEER.
- P-13 COMPRESSION LOAD TESTING SHALL CONFORM TO ASTM D1143 AND THE PROJECT SPECIFICATIONS. UPLIFT LOAD TESTING SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND ASTM D3689.
- P-14 A MINIMUM PERIOD OF TWO (2) WEEKS SHALL ELAPSE FROM THE INSTALLATION OF THE TEST PILE TO THE COMMENCEMENT OF THE LOAD
- P-15 TWO (2) TELLTALE RODS SHALL BE INSTALLED IN THE LOAD TEST PILE. THE BOTTOM END OF ONE TELLTALE ROD SHALL BE AT THE BOTTOM OF THE TEST PILE, AND THE BOTTOM END OF THE OTHER ROD SHALL BE TERMINATED MIDWAY BETWEEN PILE CUT-OFF AND PILE TIP. THE TELLTALE SHALL CONSIST OF A STEEL SOUNDING ROD EXTENDED TO AN ELEVATION DESIGNATED BY THE ENGINEER. THE TELLTALES SHALL BE PROTECTED BY A STEEL TUBE EMBEDDED IN GROUT. THE TELLTALE SHALL BE CENTERED IN THE TUBE IN A MANNER TO AVOID FRICTION BETWEEN THE TELLTALE AND THE TUBE.
- P-16 THE LOADING PROCEDURE FOR STATIC AXIAL COMPRESSION TEST SHALL BE IN ACCORDANCE WITH NEW YORK STATE BUILDING CODE.
- P-17 MEASUREMENTS OF MOVEMENT OF THE PILE BUTT, TELLTALES, REFERENCE BEAMS, ETC. SHALL BE TAKEN BY LICENSED SURVEYOR (REGISTERED IN THE STATE OF NEW YORK) ENGAGED BY THE OWNER.
- P-18 MONITORING OF LOAD TEST SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK AND HIRED BY THE
- P-19 THE DIAL GAUGES FOR MONITORING THE MOVEMENT OF THE PILE SHALL HAVE A MINIMUM TRAVEL OF THREE (3) INCHES AND SHALL BE AT LEAST THREE (3) INCHES IN DIAMETER.









MADE APP'[ REVISION DATE REVISION UMBER

RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED

CONTRACTOR

TITLE \_\_\_\_\_ DATE \_\_\_\_

1AME

SIGNATURE \_\_\_\_\_

PROJECT COORDINATOR

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

AS BUILT - NO CHANGES

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

**BUMPER CAR RESTROOM** 

STRUCTURAL NOTES

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK

BCR-S-01 20-530 DWG NO.: Page 252 of 288 SCALE: **AS SHOWN** MAY 26, 2021 DPW\_FILE **1-118-S-640** 

UMBFR

UMBER

GAUGE

GRADE

GRATING

HEIGHT

GALVANIZE

GRADE BEAM

RISER

RADIUS

REMOVE

R00F

SOUTH

SCHEDULE

SQUARE FEET

STEEL JOIST

SPECIFICATION

STAINLESS STEEL

SECTION

SHEET

SIMILAR

SQUARE

STATION

STAIR

STANDARD

STIFFENER

STRUCTURAL

SUBSTITUTE

SYMMETRICAL

TOP AND BOTTOM

TOUNGE AND GROOVE

TOP OF CURB/CONCRETE

TOP OF MASONRY/MANHOLE

UNLESS NOTED OTHERWISE

WEST/WIDTH/WIDE FLANGE

WATERPROOF/WALL PIPE

WALL PENETRATING TYPE

STIRRUP

TREAD

TANGENT

THICK

TEMPERATURE

TOP OF DECK

TOP OF WALL

TYPICAL

VERTICAL

WITH

WITHOUT

WEIGHT

YARD

YEAR

WATER LEVEL

WATER SURFACE

WELDED WIRE FABRIC

TOP OF FOOTING

TOP OF SLAB/STEEL

STEEL

REQUIRED

ROOF DRAIN

REINFORCEMENT

ROUGH OPENING

RECTANGULAR

REINFORCED CONCRETE PIPE

RAD

RCP RD

REINF

RECT

REM

REQD

SCHED

SECT SF

SHT

SIM

SJ

SQ SS STA

STD

STR STIF

STIR

STL

SUB

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T&B

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TAN

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TOM

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	ANCHOR BOLT	
	ADDITIONAL	
	ADHESIVE	
	ADJUSTABLE/ADJACENT	
	ABOVE FINISHED FLOOR	
	AGGREGATE	
	ALUMINUM	
	ALTERNATE	
Χ	APPROXIMATE	
	ADCUITECTUDAL	

APPROX ARCH ARCHITECTURAL AVG AVERAGE BORING BLDG BUILDING BEAM/BENCH MARK BMBOF BOTTÓM OF FOOTING BOS BOTTOM OF STEEL BOT BRG BEARING BOLT

ADDL

ADH

ADJ AFF AGG

AL ALT

DET

DIM

DN

CHANNEL СТОС CENTER TO CENTER CANT CANTILEVER CONSTRUCTION JOINT CJ CENTER LINE CL CLR CLEAR CONCRETE MASONRY UNIT CMU CO CLEAN OUT COL COLUMN CONC CONST CONCRETE CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR CP CONCRETE PLANK CLJ CONTROL JOINT CTR CENTER CY

CUBIC YARD DETAIL DIAMETER DIA (ø) DIAG` DIAGONAL DIMENSION DIST DISTANCE DOWN DITTO DEEP DWG DRAWING DWL DOWEL EAST EACH EACH FACE **ELEVATION** ELEVATOR ENGINEER EMBEDMENT **ENCLOSURE** ENTRANCE

EQUAL

**EQUIPMENT** 

EACH WAY

EXISTING

**EXPANSION** 

FABRICATE

FLOOR DRAIN

FOUNDATION

FINISH FLOOR

FRAME&COVER FRAME&GRATE

FINISH **FLOOR** 

FEET

FOOTING

EXPANSION JOINT

ELEV ENGR EMB **ENCL** ENT EQ EQPT EW EXIST EXP EXP JT FAB FDN FFL FIN FLR FTG FTG F&C F&G

GALV GB GR GRTG HGT HORZ HP HSS

JCT

LL LLH

LOC LP

MAS

 $\mathsf{MATL}$ 

MAX

MECH

MET

MFR

MGD

MIN

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MISC

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MTD

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OPNG

OVHD

QTY

HORIZONTAL HIGH POINT HOLLOW STRUCTURAL STEEL INSIDE DIAMETER INSIDE FACE INCH INCL INT INV

INCLUDE INTERIOR INVERT JOIST JUNCTION BOX JUNCTION JOINT LONG

LENGTH/ANGLE LINEAR FEET LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LOCATION LOW POINT LOUVER LOW WATER LEVEL

MASONRY MATERIAL MAXIMUM MECHANICAL METAL MANUFACTURER MILLION GALLONS MILLION GALLONS PER DAY MANHOLE MINIMUM MISCELLANEOUS

MASONRY OPENING MODIFY/MODIFIED MOUNTÉD NORTH NOT APPLICABLE NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE

ON CENTER OUTSIDE DIAMETER OUTSIDE FACE OPENING OPPOSITE OPEN TRUSS OVERHEAD

PAR PARALLEL POINT OF CURVE/PIECE PILE CUT OFF PC0 POINT OF INTERSECTION PLATE/PROPERTY LINE PREFABRICATED PREFAB POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PSF POINT OF TANGENCY PARTITION PAVEMENT PVMT

QUANTITY

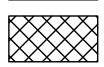
<u>SYMBOLS</u>

UNDISTURBED EARTH

COMPACTED BACKFILL



SELECT GRANULAR FILL MATERIAL



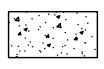
CONCRETE BLOCK



BRICK



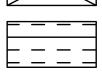
FINISHED WOOD



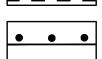
CONCRETE



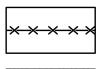
ROUGH WOOD



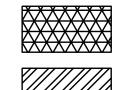
RIGID INSULATION



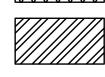
REINFORCED STEEL IN CONCRETE



WELDED WIRE FABRIC



BLANKET INSULATION



STEEL



DENOTES MOMENT CONNECTION

C ONSULTANT INFORMATION	СО
INFORMATION	
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	The same
Savin Engineers, P.C.	10



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RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED

SIGNATURE \_\_\_\_\_

AS BUILT — NO CHANGES PROJECT COORDINATOR

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK

**BUMPER CAR RESTROOM** 

STRUCTURAL ABBREVIATIONS AND SYMBOLS

CONTRACI NUMBER SHEET NUMBER 20-530 BCR-S-02 DWG NO.: **Page 253 of 288** SCALE: AS SHOWN MAY 26, 2021 DPW FILE NUMBER 1-118-S-641

RECORD DRAWING CERTIFICATION

AS BUILT — NO CHANGES PROJECT COORDINATOR

TITLE \_\_\_\_\_ DATE \_\_\_\_

SIGNATURE \_\_\_\_\_

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK
BUMPER CAR RESTROOMS

**DEMOLITION PLANS AND SECTIONS** 

20-530

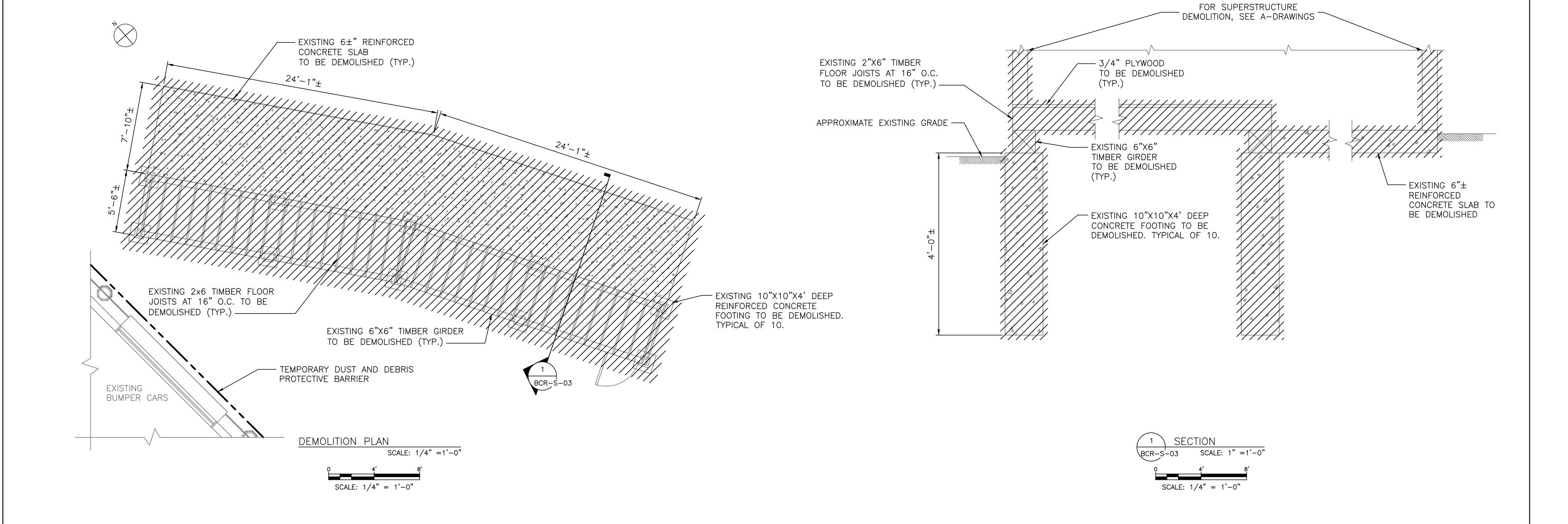
SHEET NUMBER BCR-S-03 DWG NO.: **Page 254 of 288** SCALE: AS SHOWN

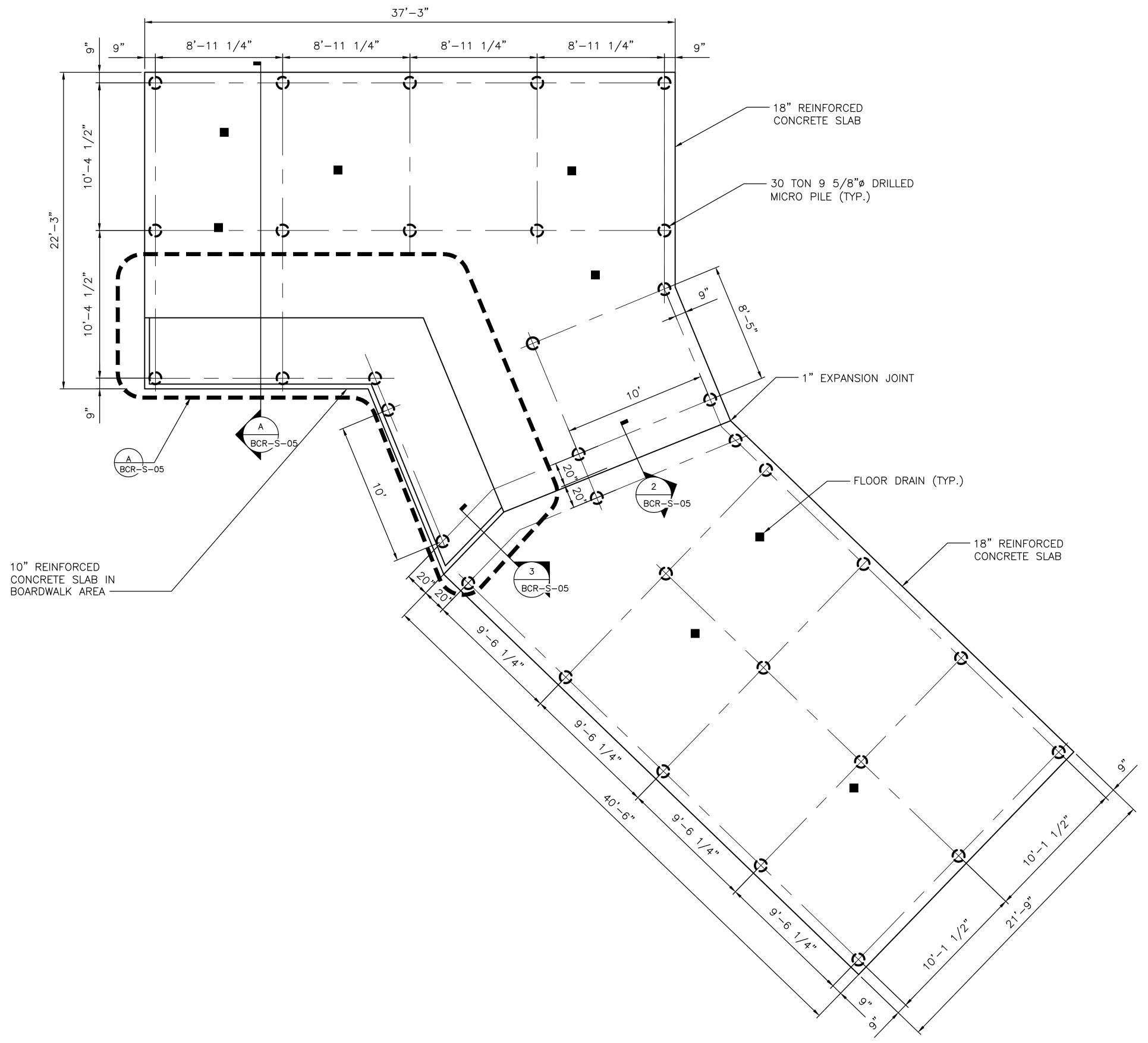
MAY 26, 2021

DPW FILE **1-118-S-642** 

1. FOR ADDITIONAL DEMOLITION REQUIREMENTS, SEE NOTES ON DRAWING BCR-S-01 AND SPECIFICATION 02 41 16.

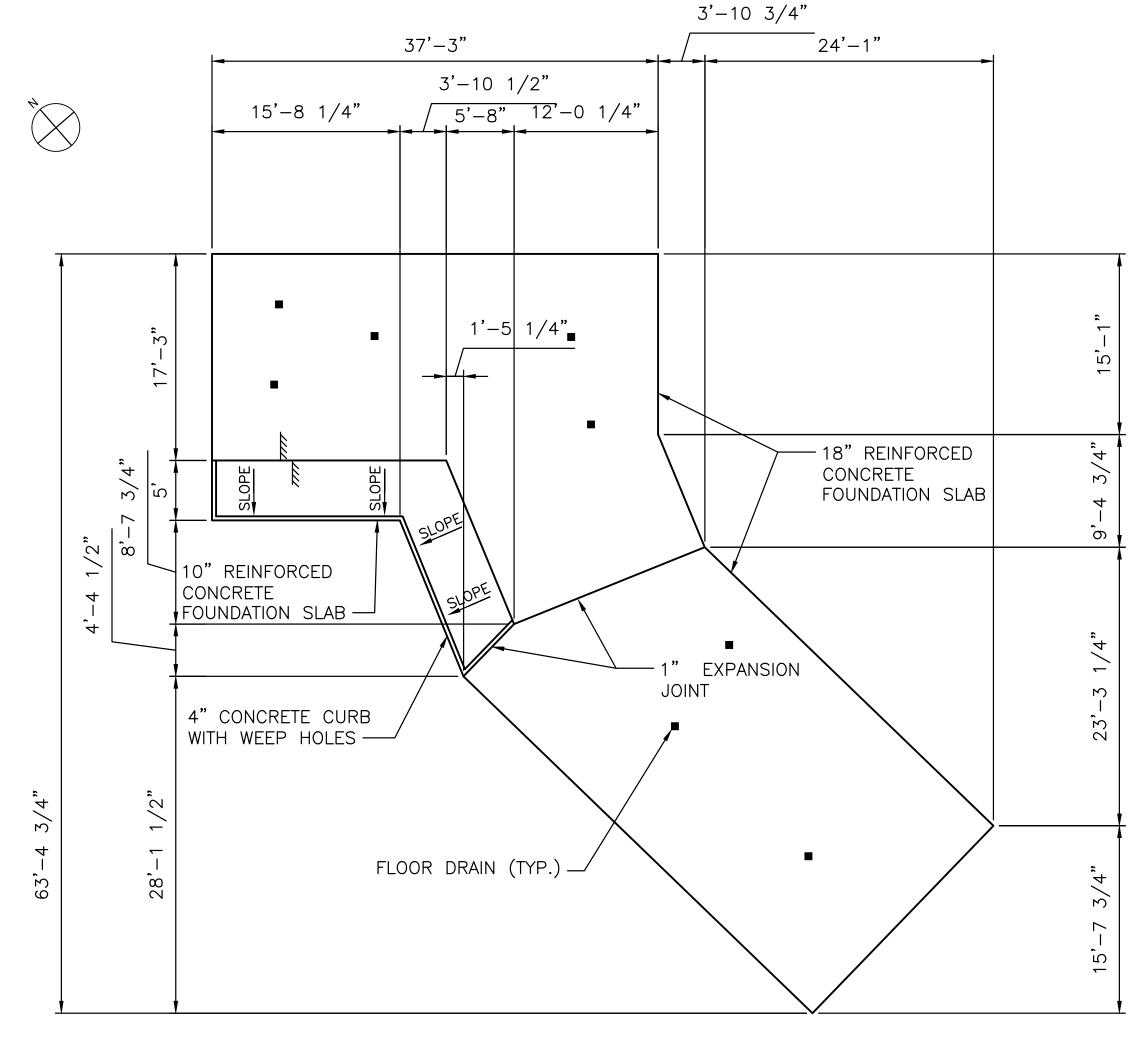
# NOTES:





PILE FOUNDATION PLAN

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

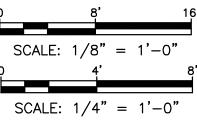


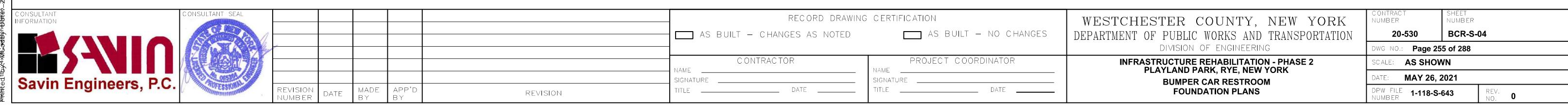
CONCRETE FOUNDATION PLAN

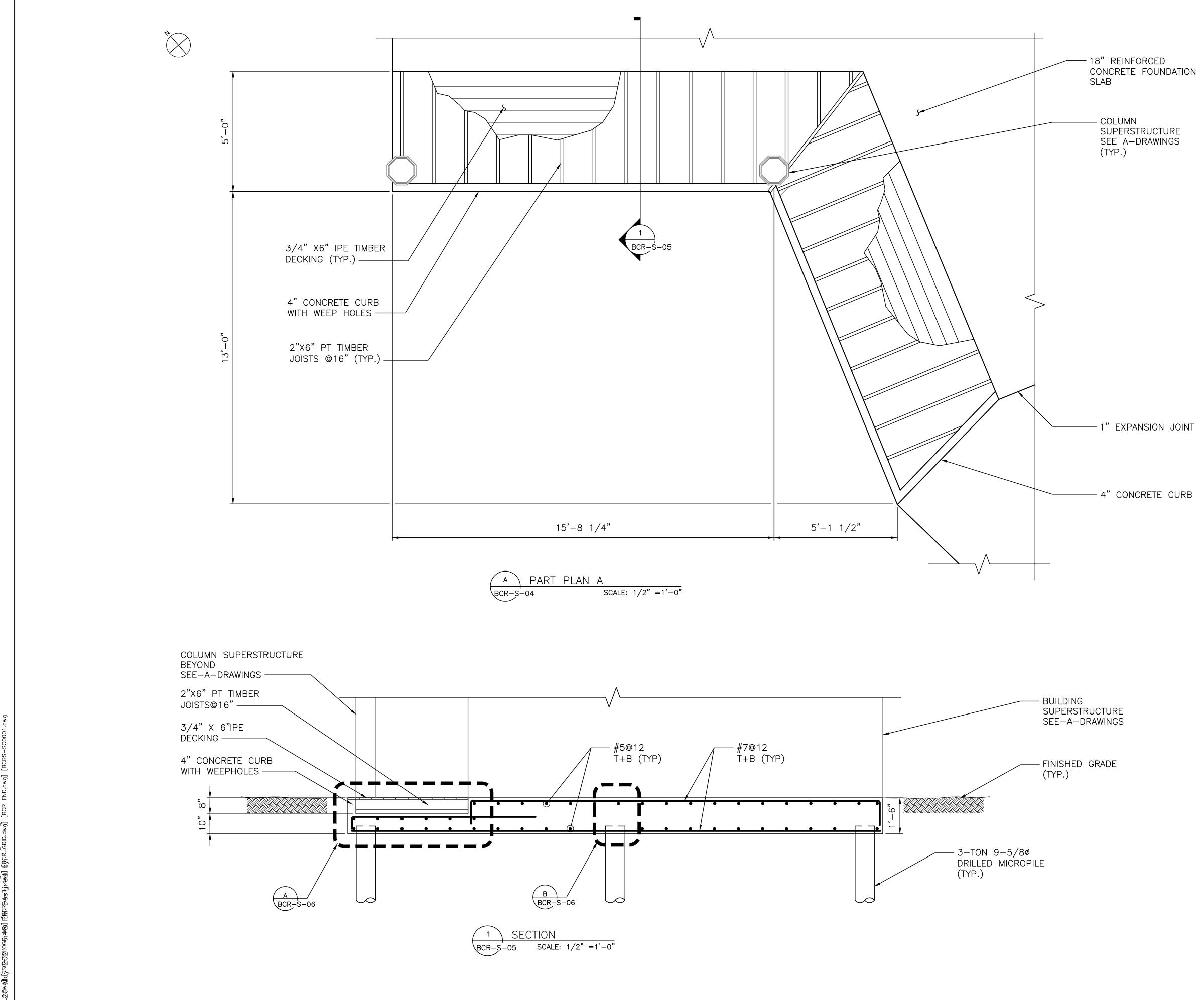
SCALE: 1/8" =1'-0"

# NOTES:

- 1. CONTRACTOR SHALL COORDINATE BUILDING GEOMETRY DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- 2. PILE LOCATIONS ARE RELATIVE TO EDGE OF CONCRETE. FOR ORTHOGONAL DIMENSIONS OF CONCRETE FOUNDATION PLAN THIS SHEET.
- 3. CONTRACTOR SHALL COORDINATE FLOOR DRAIN LOCATIONS AND QUANTITIES WITH PLUMBING DRAWINGS. PROVIDE NOMINAL SLOPE IN TOP OF CONCRETE TO ALL FLOOR DRAINS.







SHEET NUMBER BCR-S-05 20-530 DWG NO.: **Page 256 of 288** SCALE: AS SHOWN MAY 26, 2021

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

Savin Engineers, P.C.



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THE STORAGE	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	TITLE
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AS BUILT — CHANGES AS NOTED CONTRACTOR

\_\_\_\_\_ DATE \_\_\_\_\_

RECORD DRAWING CERTIFICATION

AS BUILT — NO CHANGES PROJECT COORDINATOR

TITLE \_\_\_\_\_ DATE \_\_\_\_

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOM FOUNDATION PLAN

DPW FILE **1-118-S-644** NUMBER

\BCRS-3001.dwg g this drawing(s) or project ing Design and Construction





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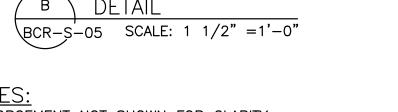
-30 TON 9 5/8" ø

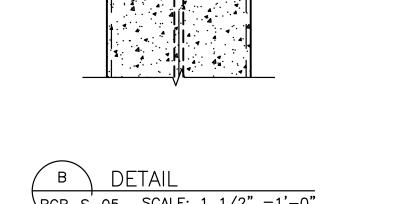
DRILLED MICROPILE

(TYP.)

SHEET NUMBER BCR-S-06 20-530 DWG NO.: **Page 257 of 288** SCALE: AS SHOWN **MAY 26, 2021** 

SCALE: 1" = 1'-0"







NOTES: REINFORCEMENT NOT SHOWN FOR CLARITY. SCALE:  $1 \frac{1}{2} = 1'-0"$ 

- 3/4"X6" IPE

\_\_\_\_ 2"X6" PT TIMBER

DECKING (TYP.)

JOISTS @ 16" (TYP.)

—1 1/4" DIAMETER

—DOUBLE NUT

PLATE (TYP.)

—— CONCRETE PILE CAP

— 30 TON 9 5/8" DIAMETER DRILLED MICROPILE, FULLY GROUTED (TYP.)

(TYP.)

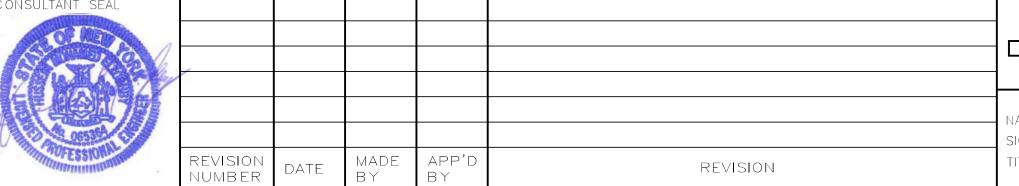
\_\_\_\_8"X8"X1/2"

THREADED ROD (TYP.)

- FOR SLAB REINFIRCING,

SEE SECTION 1 ON BCR-S-05

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Savin Engineers, P.C.	AS LUCY



— 1" EXPANSION JOINT

Q PILE

- 3/4" CHAMFER

— 30 TON 9 5/8" ø

(TYP.)

DRILLED MICROPILE

(TYP.)

-1" EXPANSION JOINT

Q PILE

— 2-#4 CONTINUOUS

— #4 <sup>|</sup>@ 12"

1'-8"

— #7@12" T&B (TYP.)

- #7@12" T&B (TYP.)

1'-8"

Q PILE

COMPRESSIBLE

MATERIAL —

Q PILE

1'-8"

COMPRESSIBLE EXPANSION JOINT

SECTION

BCR-S-05 SCALE: 1" =1'-0"

MATERIAL —

4" CURB

EXPANSION JOINT

SECTION  $\bigcirc$  SCALE: 1" =1'-0"

BACKER ROD

#5@12

T+B (TYP) -

3/4"X6" IPE

#5@12 T+B (TYP) -

DECKING (TYP.) —

JOISTS @ 16" (TYP.) —

2"X6" PT TIMBER

AND SEALANT +

**BUMPER CAR RESTROOM SECTIONS & DETAILS 1** 

RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK AS BUILT — NO CHANGES AS BUILT — CHANGES AS NOTED DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING PROJECT COORDINATOR CONTRACTOR INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK SIGNATURE \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_ \_\_\_\_\_ DATE \_\_\_\_\_ DPW FILE **1-118-S-645** 

2-#4 CONTINUOUS ---

#4 @ 12"*—*/

4" SPLIT PVC SCH 40

PIPE WITH SS SCREEN MESH @4'-0" O.C. —

— GALVANIZED STEEL

-30 TON 9 5/8" ø DRILLED MICROPILE

(TYP.)

JOIST HANGERS

(TYP.)

→ SLOPE

BCR-S-SSALE: 1 1/2" =1'-0"

### BASIC DEVELOPMENT LENGTH AND SPLICE LENGTH FOR BARS IN TENSION (UNCOATED REINFORCEMENT) fy = 60,000 psifc = 4000 psi OR GREATER, NORMAL WEIGHT CONCRETE BASIC DEVELOPEMENT LENGTH \*\* I d CLASS B SPLICE LENGTH \*\* 1.3 x 1 d CLEAR SPACING < 3\* CLEAR SPACING > 3" CLEAR SPACING > 3" CLEAR SPACING < 3" TOP \* TOP \* TOP \* BASIC TOP \* BASAC 1'-9" 2'-2" 2'-2" 2"-11" 1'-0" 1'-4" 1"-4" 1'-9" 3'-7" 1'-8" 2'-2" 2'-9" #4 1"-8" 2'-2" 2'-9" 1"-4" #5 1'-8" 2'-2" 2'-10\* 3'-7" 2'-2" 4'-8" 3'-7" 2'-10" 2'-0" 2'-6" 3'-3" 4'-2" #6 2'-6" 3'-3" 4'-2" 5'-5" 7'-7" #7 3'-6" 4'-7" 5'-11" 4'-7" 9'-11" 5'-11" 7'-7" 5'-2" 4'-0" 6'-9" 8'-8" 5'-2" 6'-9" 8'-8" 11"-4" 9"-10" 12"-9" 4"-6" 5'-10" 7'-7" 5'-10" 7'-7" 9'-9" #10 8'-6" 11"-10" 8'-6" 13"-7" 5'-0" 6'-5" 11'-0" 9'-5" 12"-6" #11 9"-5" 12'-6" 14"-9" 5'-7" 7"-4" 7'-4"

TOP REINFORCEMENT IS HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT

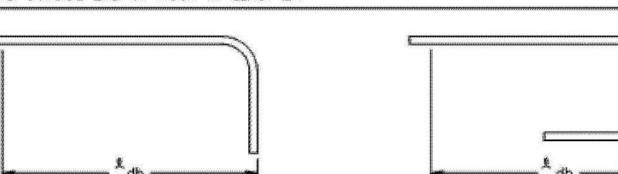
LENGTHS SHOWN IN CHART SHALL BE MODIFIED WHERE REQUIRED TO CONFORM TO THE PROVISIONS OF ACI 318, SECTION 12.2

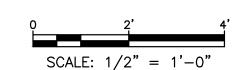
# DEVELOPMENT LENGTH OF STANDARD HOOKS FOR BARS IN TENSION (UNCOATED REINFORCEMENT)

fy = 60,000 psi fc = 4000 psi OR GREATER, NORMAL WEIGHT CONCRETE

DAD 017F	DEVELOPEMENT LENGTH, & dh		
BAR SIZE	BASIC	W/CONC COVER *	
#3	8*	6*	
#4	10"	7*	
#5	1'-0"	9*	
<b>#</b> 6	1'-3"	11"	
<b>#</b> 7	1'-5"	1*-0*	
#3	1'-7"	1'-2"	
#9	1'-10"	1'-4"	
<b>#</b> 10	2'-1"	1'-6"	
#11	2'-3"	1'-7"	

SIDE COVER NORMAL TO PLANE OF HOOK AT LEAST 2 1/2"; AND FOR 90' HOOK, END COVER BEYOND OUTSIDE END OF HOOK AT LEAST 2".









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CONTRACTOR

\_\_\_\_\_ DATE \_\_\_\_\_



TITLE \_\_\_\_\_ DATE \_\_\_\_

SIGNATURE \_\_\_\_\_

WESTCHESTER COUNTY, NEW YOR DEPARTMENT OF PUBLIC WORKS AND TRANSPORTA DIVISION OF ENGINEERING

RK	CONTRACT NUMBER	SHEET NUMBER					
ATION	20-530	BCR-S-07					
	DWG NO.: Page 258 of 288						
	SCALE: AS SHOW	VN					
	DATE: <b>MAY 26, 2</b>	2021					
	DPW FILE 1-118-S-6	REV. 0					

INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK **BUMPER CAR RESTROOM** MISCELLANEOUS/TYPICAL DETAILS

# **GENERAL FIRE ALARM NOTES:**

- 1. THE FIRE ALARM AND SMOKE DETECTION SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE NATIONAL FIRE PREVENTION CODE NFPA-72 (2010), NFPA-101 (2006), 2015 INTERNATIONAL BUILDING CODE ADOPTED BY THE NYS AND ALL LOCAL MUNICIPAL CODES HAVING JURISDICTION.
- 2. THE FIRE ALARM AND SMOKE DETECTION SYSTEM SHALL BE MAINTAINED AND TESTED IN COMPLIANCE WITH THE NATIONAL FIRE PREVENTION CODE (NFPA-72).
- 3. A CONTINUOUS FIRE WATCH SHALL BE PROVIDED IF THERE IS FIRE SYSTEM IMPAIRMENT.
- 4. ALL FIRE ALARM STROBES SHALL BE SYNCHRONIZED AND SHALL REMAIN FLASHING AFTER SYSTEM SILENCE FUNCTION.
- 5. CONTRACTOR TO UPDATE ALL NECESSARY CORRESPONDING FIRE ALARM SIGNALS WHEN PERFORMING ANY MODIFICATION TO THE BUILDING, WHERE APPLICABLE, MAKE SURE THE SAME UPDATES ARE COORDINATED AND TRANSMITTED TO THE CENTRAL STATION.
- 6. HORNS WILL SOUND A TEMPORAL 3-SIGNALING RHYTHM AS PER NFPA-72.
- 7. EXACT PLACEMENT OF DEVICES TO BE VERIFIED IN FIELD.
- 8. ALL SMOKE DETECTOR SHALL BE INSTALLED A MINIMUM OF 36 INCHES FROM ANY HVAC SUPPLY OR RETURN REGISTER.
- 9. FIRE ALARM WIRING SHALL BE INSTALLED IN A MINIMUM OF 3/4" RIGID GALVANIZED CONDUIT OR BY NEW YORK STATE BUILDING CODE APPROVED WIRING METHODS.
- 10. ALL PULL STATIONS SHALL BE MOUNTED AT A MINIMUM OF 42 INCHES AND A MAXIMUM OF 48 INCHES (CENTERLINE) ABOVE THE FINISHED FLOOR. ALL PULL STATION SHALL BE RED IN COLOR.
- 11. ALL HORN AND STROBES DEVICES SHALL BE MOUNTED 80 INCHES ABOVE FINISHED FLOOR TO BOTTOM OF DEVICE, OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER.
- 12. WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES (NFPA-70) AND AS RECOMMENDED BY THE MANUFACTURER OF THE FIRE ALARM SYSTEM.
- 13. ALL EQUIPMENT AND COMPONENTS SHALL BE NEW AND SHALL BE TESTED AND LISTED BY A NATIONALLY RECOGNIZED APPROVALS AGENCY
- 14. ALL EQUIPMENT SHALL BE ATTACHED TO WALLS AND CEILING/FLOOR ASSEMBLIES AND SHALL BE HELD FIRMLY IN PLACE. FASTENERS AND SUPPORTS SHALL BE ADEQUATE TO SUPPORT REQUIRED LOAD.
- 15. ALL FIELD WIRING SHALL BE ELECTRICALLY SUPERVISED FOR OPEN CIRCUIT AND GROUND FAULTS.
- 16. ALL BOXES AND CABINETS SHALL BE UL LISTED FOR THEIR USE AND PURPOSE.
- 17. DIALER OR ALARM COMMUNICATOR TRANSMITTER SHALL TRANSMIT ALL POINTS AS THEY ARE REPORTED TO THE HOST PANEL.
- 18. ALL DEVICES SHALL BE COMPATIBLE WITH EXISTING SYSTEM (EST3 BY EDWARDS). FIRE ALARM PRODUCTS SHALL BE APPROVED BY THE ENGINEER OR OWNER.
- 19. ALL PENETRATIONS SHALL BE FIRE PROOFED AS REQUIRED.

# **FIRE ALARM NOTES:**

- 1. FIRE ALARM VENDOR MUST PRODUCE A SEPARATE FIXED PRICE TO PERFORM THE SCOPE OF WORK CONTAINED ON THESE DRAWINGS IN CONNECTION WITH THE FIRE ALARM SYSTEM. THESE DRAWINGS ARE PROVIDED FOR BID PURPOSES ONLY AND TO ILLUSTRATE THE SCOPE OF WORK INTENT OF THIS PROJECT. PRIOR TO SUBMISSION OF THE FIRE ALARM SYSTEM BID, THE FIRE ALARM VENDOR IS RESPONSIBLE TO REVIEW ALL DRAWINGS (I.E., MECHANICAL/HVAC, ELECTRICAL, PLUMBING, FIRE SPRINKLER, AND ARCHITECTURAL). UPON SUBMISSION OF THE FIRE ALARM BID, THE FIRE ALARM VENDOR CERTIFIES THAT ALL DRAWINGS HAVE BEEN REVIEWED, THE SITE HAS BEEN VISITED/INSPECTED (IF APPLICABLE), AND THAT ALL LOCAL FDNY REQUIRED ITEMS ARE FULLY UNDERSTOOD AND INCLUDED IN THE BID PRICE (NO CHANGE ORDERS ALLOWED).
- 2. FIRE ALARM VENDOR MUST ADHERE TO NFPA 101, NFPA 72, ALL LOCAL CODES AND AUTHORITIES HAVING JURISDICTION. THE ENTIRE SYSTEM MUST BE DESIGNED IN ACCORDANCE WITH THESE AUTHORITIES HAVING JURISDICTION.
- 3. FIRE ALARM VENDOR MUST SUBMIT TO THE ENGINEER & OWNER FINAL APPROVED, SIGNED AND SEALED DESIGN/BUILD DRAWINGS INCLUDING: FIRE ALARM RISER DIAGRAM, LAYOUT, EQUIPMENT LIST & SPECIFICATIONS PRIOR TO START OF INSTALLATION. HE COST OF THE ENGINEERING FEE, PROGRAMMING CHARGE, NEW EQUIPMENT, CONNECTION & TESTING, TROUBLE SHOOTING OF SYSTEM, ATTENDANCE AT THE FIRE ALARM INSPECTION, ETC. ARE TO BE PART OF THE TOTAL PRICE. INSTALLATION OF THE NEW FIRE ALARM SYSTEM CAN BEGIN UPON WRITTEN APPROVAL FROM THE ENGINEER.
- 4. LOCATION OF ALL FIRE ALARM DEVICES (HORNS, STROBES, ETC.) INDICATED ON THESE DOCUMENTS ARE TO BE USED ADDITION TO THE LOCAL FIRE MARSHAL'S ORDINANCE. ADDITIONAL DEVICES REQUIRED ABOVE AND BEYOND THESE AS THE DESIGN MUST BE COMPLETE. DESIGN OF THE ENTIRE SYSTEM MUST BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING & FIRE CODES IN DOCUMENTS OR DEVICES ADDED AT THE REQUEST OF THE FIRE DEPARTMENT OR BUILDING DEPARTMENT WILL BE REIMBURSED UNDER CONTRACT UNIT PRICING.
- 5. ALL CABLES AND WIRING MUST BE PLENUM RETURN RATED CABLES.

# **SCOPE OF WORK:**

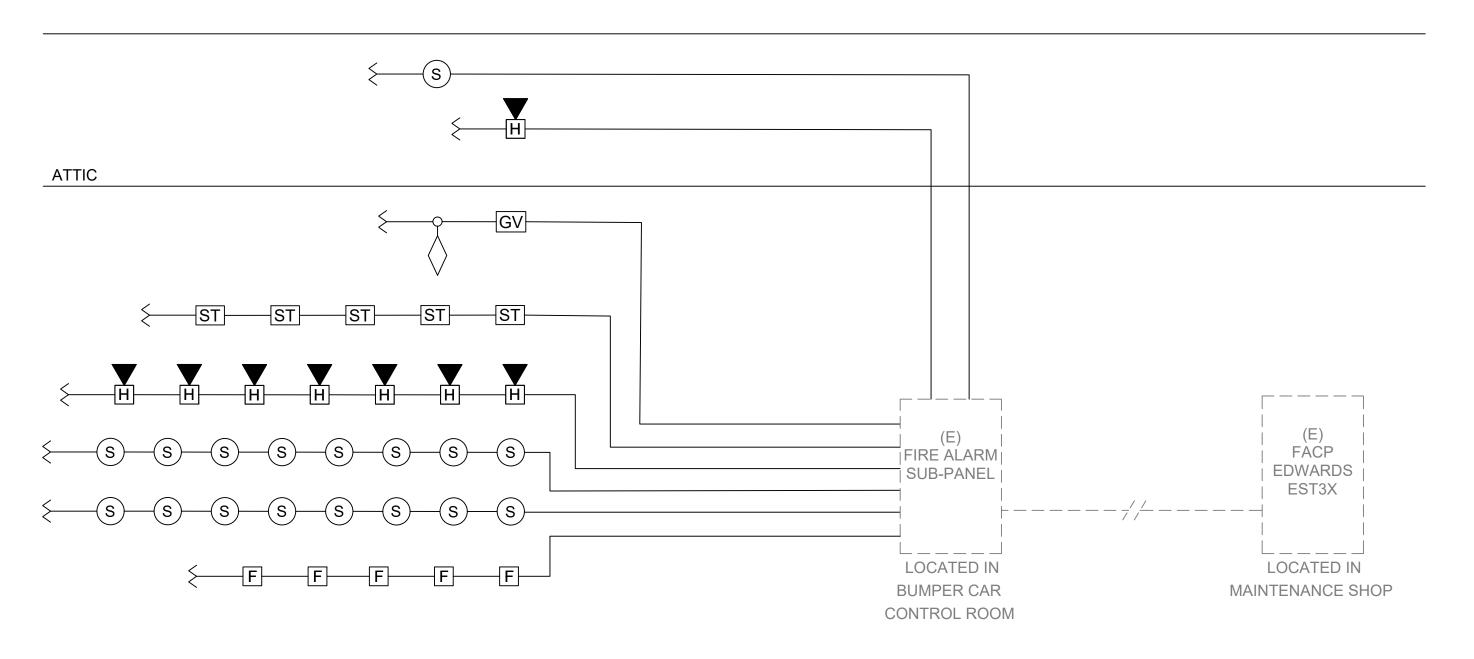
- 1. PROVIDE NEW FIRE ALARM SYSTEM WITH ASSOCIATED DEVICES AS PER DRAWINGS.
- . NEW FIRE ALARM SYSTEM AND SIGNAL WIRING SHALL BE CONNECTED TO THE EXISTING BUILDING FIRE ALARM PANEL.

# FIRE ALARM SYSTEM RISER NOTES:

- 1. LOCATION OF DEVICES AND EQUIPMENT ARE APPROXIMATE. FINAL LOCATIONS MUST BE DETERMINED ACCORDING TO THE SITE CONDITIONS.
- VISUAL FIRE ALARMS (STROBES) SHALL HAVE MINIMUM 5'-0" CLEARANCE FROM ANY OBSTRUCTIONS AND SHALL BE RATED AT 75 CANDELA MINIMUM, UNLESS OTHERWISE NOTED. ALL STROBES SHALL BE SYNCHRONIZED AT LINE OF SIGHT
- . WALL MOUNTED HORNS AND VISUAL FIRE ALARMS (STROBES) SHALL BE MOUNTED AT 8'-0" A.F.F. WHERE LOCAL CONDITIONS DIFFER INSTALL THE STROBES AT 6" BELOW THE CEILING.
- 4. MANUAL PULL STATIONS SHALL BE MOUNTED AT 4'-0" A.F.F. AND SHALL BE INSTALLED WITHIN 5 FEET OF EXIT DOOR.
- 5. FUSE CUT OUT BOX SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE AND HAVE A REMOVABLE SOLID COPPER NEUTRAL BAR.
- 6. ALL CONDUITS AND CONTROL PANELS SHALL BE GROUNDED TO BUILDING STEEL/GROUND GRID WITH A MINIMUM #8 CONDUCTOR.
- 7. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSE ONLY. FIRE ALARM CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
- 8. EACH FIRE ALARM INITIATING AND INDICATING CIRCUIT SHALL BE ELECTRICALLY SUPERVISED.
- 9. EACH VISUAL FIRE ALARM CIRCUIT SHALL CONTAIN AT LEAST 20% SPARE CAPACITY.
- 10. ALL CONTROL PANELS, FUSE CUTOUTS, TROUBLE BELLS, ALARM BELLS AND SILENCE SWITCHES SHALL BE PROPERLY LABELED WITH MINIMUM 1/4" HIGH LETTERS.
- 11. WIRING FOR AUDIBLE AND VISUAL ALARM NOTIFICATION DEVICES SHALL BE ARRANGED SO THAT A LOSS OF A PORTION OF THE WIRING ON A FLOOR WILL NOT RENDER MORE THAN 60% OF THE DEVICES OF EACH TYPE INOPERATIVE, AND THE DEVICES SHALL BE SO CONNECTED TO THE CIRCUITRY (i.e., BY MEANS OF ALTERNATE CIRCUITS) AS TO MAINTAIN AT LEAST PARTIAL AUDIBILITY/VISIBILITY THROUGHOUT THE ENTIRE FLOOR.
- 12. THE FIRE ALARM CONTROL PANEL SHALL BE PROVIDED WITH A KEY SWITCH. DURING DAILY TESTS, THE KEY SWITCH SHALL BE USED TO BYPASS THE CIRCUITS THAT CONTROL DAMPERS AND FAN SHUTDOWN.
- 13. THE DAMPERS AND FAN BYPASS FUNCTION SHALL BE AUTOMATICALLY RESTORED TO BE NORMAL UN-SHUNTED CONDITION WITHIN FORTY-FIVE MINUTES, IF NOT DONE SO MANUALLY BEFORE FORTY-FIVE MINUTES.
- 14. PERFORM FIRE SYSTEM ELECTRICAL TEST AS PER THE INTERNATIONAL BUILDING CODE.

	FIRE ALARM LEGEND:
SYMBOL	DESCRIPTION
FA	FIRE ALARM SUB PANEL
S	SMOKE DETECTOR
F	MANUAL FIRE ALARM PULL STATION
# H	FIRE ALARM WALL MOUNTED HORN/STROBE # = CANDELA RATING
FCO	FUSED CUT OUT SWITCH/FUSED LOCKABLE DISCONNECT SWITCH
ST #	WALL MOUNTED STROBE # = CANDELA RATING
$\Diamond$	FLOW SWITCH CONNECTED TO FIRE ALARM SYSTEM
GV	SPRINKLER VALVE TAMPER SWITCH CONNECTED TO FIRE ALARM SYSTEM
<u>S</u>	DUCT MOUNTED SMOKE DETECTOR
FSR	FIRE ALARM INTERFACE RELAY FOR HVAC FAN SHUTDOWN

	FIRE ALARM ABBREVIATIONS:
E	EXISTING TO REMAIN
ER	EXISTING TO BE RELOCATED
EL	EXISTING AS SHOWN IN NEW LOCATION
FACP	FIRE ALARM CONTROL PANEL
FCO	FUSED CUT OUT
FCU	FIRE ALARM CONTROL UNIT
FP	FIRE PROTECTION
N	NEW
RTU	ROOFTOP UNIT
SP	SPRINKLER
WP	WEATHERPROOF
Χ	EXISTING TO BE DEMOLISHED



----= EXISTING FIRE ALARM WIRING

----- = NEW FIRE ALARM WIRING

1ST FLOOR

# NOTES:

- 1. WIRING SHOWN ON RISER IS DIAGRAMMATICAL. PROVIDE NEW FIRE ALARM CABLE AS
- REQUIRED AND INSTALL WIRING LOOPS AS BEST SUITED FOR FIELD CONDITIONS.

  2. THE BUILDING IS FULLY SPRINKLERED.

# 1 FIRE ALARM RISER DIAGRAM

							SYSTEM OUTPUTS											
			Control Unit Annunciation Notification							Supp.								
		ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	INDICATE COMMON SUPERVISORY STATUS	ACTUATE AUDIBLE SUPERVISORY SIGNAL	INDICATE COMMON TROBLE SIGNAL	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ACTIVATE HORNS AND STROBES THROUGHOUT THE PROTECTED AREA	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT AUTOMATIC ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT MANUAL ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT WATERFLOW ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT CO ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	ACTIVATE TEMPORAL 4 SIGNAL ON ACTIVATED CO DETECTOR SOUNDER BASES	SHUT DOWN CO PRODUCING EQUIPMENT	SHUT DOWN FANS/AIR HANDLING UNITS
	EVENT	Α	В	С	D	E	F	G	Н	<b> </b>	J	K	L	M	N	0	Р	Q
1	ACTIVATION OF MANUAL PULL STATION	X	X					X	Х		X							
2	ACTIVATION OF SMOKE DETECTOR	X	X					X	X	X								X
3	ACTIVATION OF DUCT MOUNTED SMOKE DETECTOR	X	X					X	Х	X								X
4	ACTIVATION OF HEAT DETECTOR	Х	X					X	Х	X								X
5	WATERFLOW SWITCH FOR FIRE SPRINKLER SYSTEM	Χ	Χ					Х	Х			X						X
6	ACTIVATION OF CARBON MONOXIDE DETECTOR			Х	Χ			X	X					X		X	Х	
7	SPRINKLER VALVE (TAMPER SWITCH)			Х	Х				Х				Х					
8	FIRE ALARM LOSS OF PRIMARY/SECONDARY POWER					Х	Х		Х						Х			
9	FIRE ALARM SYSTEM WIRING FAILURE					Х	Х		Х						Х			

FIRE ALARM SEQUENCE OF OPERATIONS MATRIX
SCALE: NOT TO SCALE

CONSULTANT	СО
INFORMATION	
The LiRo Group	
3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com	3

CONSULTANT SEAL				RECORD DRAWII
STEOF NEW LOSSING				AS BUILT — CHANGES AS NOTED
				CONTRACTOR NAME
POFESSIONAL	REVISION DATE	MADE APP'D BY	REVISION	SIGNATURE DATE

RECORD DRAWING CERTIFICATION

AS BUILT — CHANGES AS NOTED

CONTRACTOR

PROJECT COORDINATOR

NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
INFRASTRUCTURE REHABILITATION - PHASE 2

INFRASTRUCTURE REHABILITATION - PHASE 2
PLAYLAND PARK, RYE, NEW YORK
BUMPER CAR RESTROOMS
FIRE ALARM NOTES, SYMBOLS, LEGEND, AND RISER DIAGRAM

NUMBER
20-530

BCR-FA-01

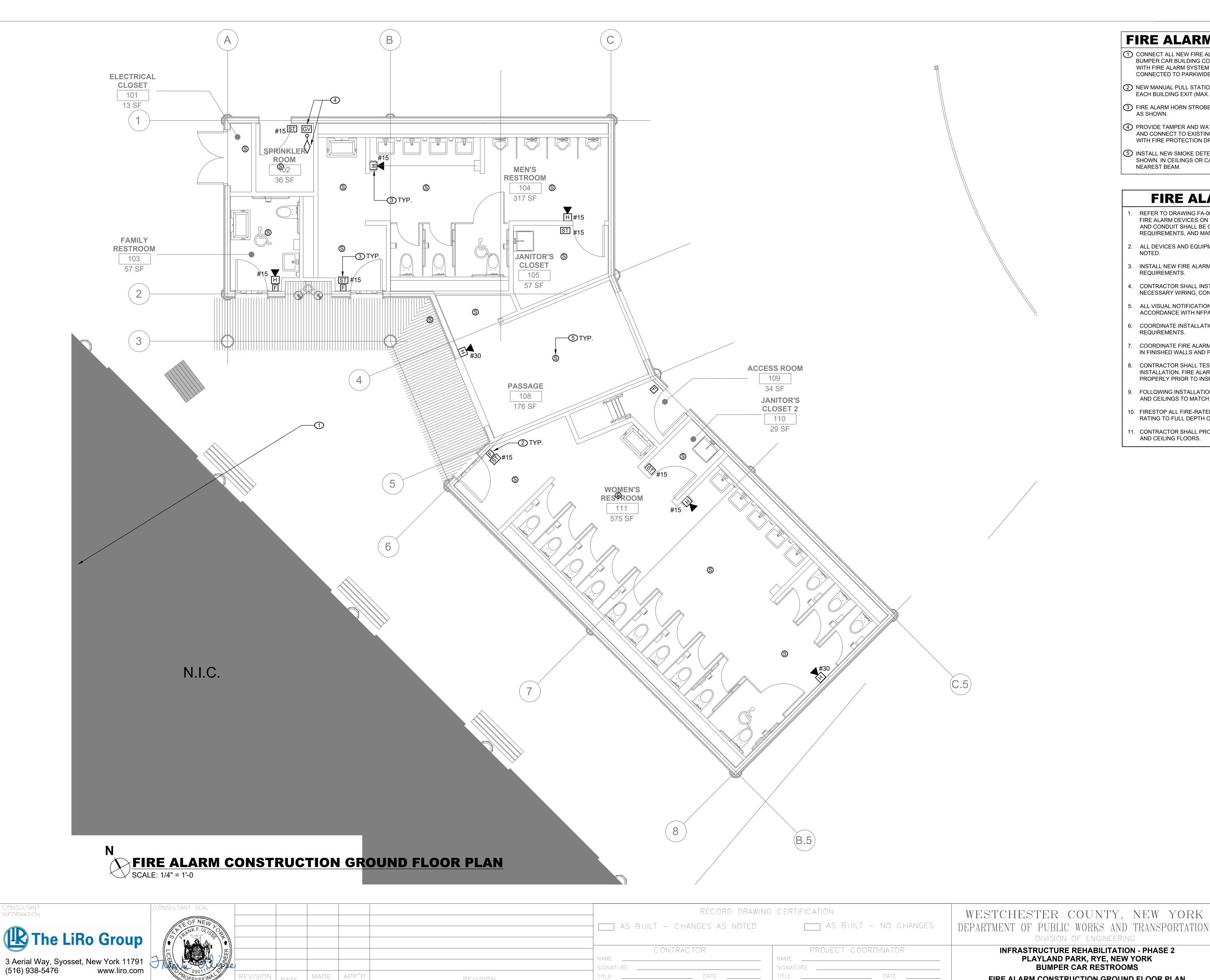
DWG NO.: Page 259 of 288

SCALE: N.T.S.

DATE: MAY 26, 2021

DPW FILE NUMBER

REV. NO. 0



REVISION

# FIRE ALARM CONSTRUCTION NOTES:

- (1) CONNECT ALL NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM CONTROL PANEL IN BUMPER CAR BUILDING CONTROL ROOM. SYSTEM SHALL BE TESTED IN COORDINATION WITH FIRE ALARM SYSTEM VENDOR (EST). AS PART OF SYSTEM TESTING, ENSURE PANEL IS CONNECTED TO PARKWIDE SYSTEM.
- (2) NEW MANUAL PULL STATIONS SHALL BE INSTALLED AT 4'-0" ABOVE FINISHED FLOOR AT EACH BUILDING EXIT (MAX. DISTANCE OF 5'-0" FROM EXIT).
  - (3) FIRE ALARM HORN STROBES AND STROBES SHALL BE FIELD ADJUSTABLE, CANDELA RATING
  - 4 PROVIDE TAMPER AND WATERFLOW SWITCHES FOR NEW SPRINKLER VALVE ASSEMBLIES AND CONNECT TO EXISTING FIRE ALARM SYSTEM. COORDINATE LOCATION AND QUANTITY WITH FIRE PROTECTION DRAWINGS AND SPRINKLER SYSTEM INSTALLER.
- (5) INSTALL NEW SMOKE DETECTORS THROUGHOUT BUILDING, APPROXIMATE LOCATIONS AS SHOWN. IN CEILINGS OR CANOPIES WITH EXPOSED BEAMS, MOUNT TO UNDERSIDE OF NEAREST BEAM.

# FIRE ALARM GENERAL NOTES:

- REFER TO DRAWING FA-001.00 FOR SYMBOLS, ABBREVIATIONS, AND NOTES. LAYOUT OF FIRE ALARM DEVICES ON THIS PLAN IS DIAGRAMMATIC; EXACT LOCATIONS OF DEVICES AND CONDUIT SHALL BE COORDINATED WITH FIELD CONDITIONS, ARCHITECTURAL REQUIREMENTS, AND MANUFACTURER RECOMMENDATIONS.
- 2. ALL DEVICES AND EQUIPMENT SHOWN ON THIS PLAN ARE NEW, UNLESS OTHERWISE
- INSTALL NEW FIRE ALARM SYSTEM IN STRICT ACCORDANCE WITH NFPA-72 AND NFPA-90A REQUIREMENTS.
- 4. CONTRACTOR SHALL INSTALL NEW FIRE ALARM SYSTEM AS INDICATED AND PROVIDE ALL NECESSARY WIRING, CONDUIT, AND APPARATUSES.
- 5. ALL VISUAL NOTIFICATION DEVICES IN THE SAME SPACE SHALL BE SYNCHRONIZED IN ACCORDANCE WITH NFPA-72.
- COORDINATE INSTALLATION WITH FIRE ALARM SYSTEM VENDOR AND MANUFACTURER REQUIREMENTS.
- COORDINATE FIRE ALARM DEVICES WITH ARCHITECTURAL FINISHES. CONCEAL CONDUIT IN FINISHED WALLS AND FLUSH MOUNT DEVICES WHERE POSSIBLE.
- B. CONTRACTOR SHALL TEST THE FIRE ALARM SYSTEM AFTER COMPLETION OF INSTALLATION. FIRE ALARM SYSTEM SHALL BE TESTED AND VERIFIED TO BE WORKING PROPERLY PRIOR TO INSPECTION BY THE AUTHORITY HAVING JURISDICTION.
- 9. FOLLOWING INSTALLATION, CONTRACTOR SHALL PATCH, PAINT, AND RESTORE ALL WALLS AND CEILINGS TO MATCH EXISTING OR DESIRED NEW CONDITION.
- 10. FIRESTOP ALL FIRE-RATED FLOOR OR WALL PENETRATIONS TO MAINTAIN ORIGINAL FIRE RATING TO FULL DEPTH OF OPENING.

SHEET NUMBER

BCR-FA-21

CONTRACT NUMBER

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MAY 26, 2021

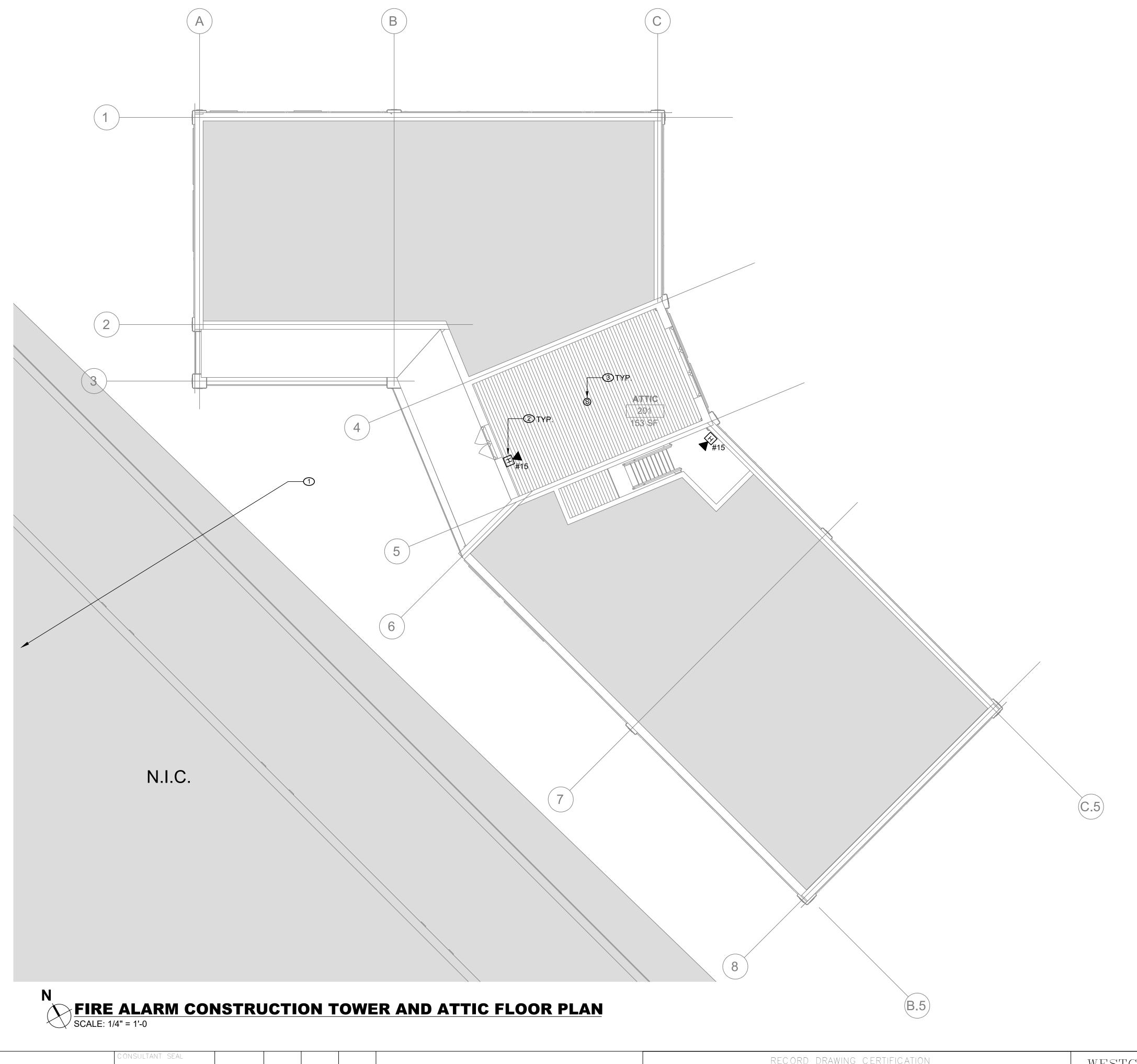
1/4" = 1'-0"

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FIRE ALARM CONSTRUCTION GROUND FLOOR PLAN

11. CONTRACTOR SHALL PROVIDE SLEEVE FOR CONDUIT PENETRATIONS THROUGH WALL AND CEILING FLOORS.

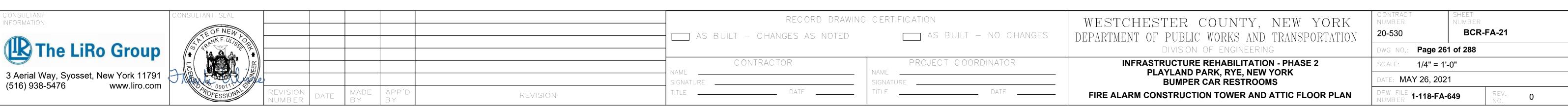


# FIRE ALARM CONSTRUCTION NOTES:

- ONNECT ALL NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM CONTROL PANEL IN BUMPER CAR BUILDING CONTROL ROOM. SYSTEM SHALL BE TESTED IN COORDINATION WITH FIRE ALARM SYSTEM VENDOR (EST). AS PART OF SYSTEM TESTING, ENSURE PANEL IS CONNECTED TO PARKWIDE SYSTEM.
- 2 FIRE ALARM HORN STROBES AND STROBES SHALL BE FIELD ADJUSTABLE, CANDELA RATING AS SHOWN.
- ③ INSTALL NEW SMOKE DETECTORS THROUGHOUT BUILDING, APPROXIMATE LOCATIONS AS SHOWN. IN CEILINGS OR CANOPIES WITH EXPOSED BEAMS, MOUNT TO UNDERSIDE OF NEAREST BEAM.

# **FIRE ALARM GENERAL NOTES:**

- REFER TO DRAWING FA-001.00 FOR SYMBOLS, ABBREVIATIONS, AND NOTES. LAYOUT OF FIRE ALARM DEVICES ON THIS PLAN IS DIAGRAMMATIC; EXACT LOCATIONS OF DEVICES AND CONDUIT SHALL BE COORDINATED WITH FIELD CONDITIONS, ARCHITECTURAL REQUIREMENTS, AND MANUFACTURER RECOMMENDATIONS.
- ALL DEVICES AND EQUIPMENT SHOWN ON THIS PLAN ARE NEW, UNLESS OTHERWISE NOTED.
- . INSTALL NEW FIRE ALARM SYSTEM IN STRICT ACCORDANCE WITH NFPA-72 AND NFPA-90A REQUIREMENTS.
- 4. CONTRACTOR SHALL INSTALL NEW FIRE ALARM SYSTEM AS INDICATED AND PROVIDE ALL NECESSARY WIRING, CONDUIT, AND APPARATUSES.
- 5. ALL VISUAL NOTIFICATION DEVICES IN THE SAME SPACE SHALL BE SYNCHRONIZED IN ACCORDANCE WITH NFPA-72.
- 6. COORDINATE INSTALLATION WITH FIRE ALARM SYSTEM VENDOR AND MANUFACTURER REQUIREMENTS.
- 7. COORDINATE FIRE ALARM DEVICES WITH ARCHITECTURAL FINISHES. CONCEAL CONDUIT IN FINISHED WALLS AND FLUSH MOUNT DEVICES WHERE POSSIBLE.
- 8. CONTRACTOR SHALL TEST THE FIRE ALARM SYSTEM AFTER COMPLETION OF INSTALLATION. FIRE ALARM SYSTEM SHALL BE TESTED AND VERIFIED TO BE WORKING PROPERLY PRIOR TO INSPECTION BY THE AUTHORITY HAVING JURISDICTION.
- 9. FOLLOWING INSTALLATION, CONTRACTOR SHALL PATCH, PAINT, AND RESTORE ALL WALLS AND CEILINGS TO MATCH EXISTING OR DESIRED NEW CONDITION.
- 10. FIRESTOP ALL FIRE-RATED FLOOR OR WALL PENETRATIONS TO MAINTAIN ORIGINAL FIRE RATING TO FULL DEPTH OF OPENING.
- 11. CONTRACTOR SHALL PROVIDE SLEEVE FOR CONDUIT PENETRATIONS THROUGH WALL AND CEILING FLOORS.



# FIRE PROTECTION SAFETY NOTES:

1. SPECIAL PRECAUTION SHALL BE TAKEN BY THE CONTRACTOR SO THAT EQUIPMENT OF THIS APPLICATION AND ITS INSTALLATION WILL NOT AFFECT THE FOLLOWING: EGRESS TO AND FROM THE BUILDING. FIRE SAFETY OR CREATE A FIRE HAZARD. STRUCTURAL SAFETY OF THE BUILDING, ACCUMULATION OF DUST AND DEBRIS. (THE CONTRACTOR SHALL LEAVE THE SITE BROOM CLEANED EACH DAY.)

# FIRE PROTECTION GENERAL NOTES:

1. DIMENSIONS, LOCATIONS AND SIZES INDICATED ON THE PLANS AND THE ELEVATION ARE APPROXIMATE AND SHALL BE VERIFIED BY FIELD INSPECTION BY THE CONTRACTOR.

2. SOME EXISTING PIPE AND EQUIPMENT IS SHOWN FOR CLARIFICATION OF THIS CONTRACT, BUT MUST BE PROTECTED BY THE CONTRACTOR.

3. NO WORK SHALL BE INITIATED UNTIL A WORK PERMIT IS OBTAINED BY THE CONTRACTOR AND A SAFETY PLAN IS SUBMITTED AND IS APPROVED.

4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, EQUIPMENT USE

PERMITS, ALL INSPECTION APPROVALS, AND LETTER OF COMPLETION FROM THE NEW YORK CITY DEPARTMENT OF BUILDINGS FOR WORK UNDER THIS CONTRACT AS APPLICABLE.

5. ANY EXISTING MATERIALS, PIPING, ETC., NOT INDICATED FOR DEMOLITION WHICH ARE REMOVED BY THE CONTRACTOR IN ORDER TO INSTALL NEW WORK SHALL BE REINSTALLED BY THE CONTRACTOR. IF EXISTING WORK IS DAMAGED IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL SURFACES OR FINISHES THAT ARE DAMAGED OR OTHERWISE AFFECTED BY WORK OF THIS CONTRACT SHALL BE PATCHED, REPAIRED, PAINTED OR REPLACED TO MATCH THE PRE-EXISTING CONDITION AND THE NEW WORK.

6. CONTRACTOR MAY PROPOSE ALTERNATE ROUTING IN DIFFICULT AREAS WHERE REPLACEMENT IN KIND IS NOT PRACTICAL. ANY AND ALL ALTERNATE ROUTING IS SUBJECT TO PRIOR REVIEW AND APPROVAL BY THE ENGINEER.

7. A FIRE WATCH SHALL BE USED IF REQUIRED.

# FIRE PROTECTION SYMBOL LIST

	FS DRY — NEW DRY SPRINKLER PIPING
	- DRY(E) EXISTING TO REMAIN DRY SPRINKLER PIPING
0	NEW UPRIGHT SPRINKLER HEAD
OE	EXISTING UPRIGHT SPRINKLER HEAD
•	NEW CONCEALED PENDENT SPRINKLER HEAD-ORDINARY TEMPERATU
¢	SPRINKLER DRY PIPE VALVE
Д	FIRE HOSE CABINET
<b>&gt;</b>	SIAMESE CONNECTION
12	CHECK VALVE
<u>~</u>	CHECK VALVE W/ ALARM
$\Diamond$	WATER MOTOR ALARM BELL
8	PIPE RISER
с <u>—</u>	PIPE DROP
0-	PIPE UP
lacktriangle	POINT OF CONNECTION
	POINT OF DISCONNECTION
Г	END CAP
界	SOLENOID VALVE
፟	OS & Y VALVE
<b>#</b>	REVISION SYMBOL
<b>F#</b>	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
XXX\ <del>-</del>	EQUIPMENT TAG
X	EQUIPMENT NUMBER
X	DETAIL TAG/ CALL OUT TAG
x-xxx	FIRE PROTECTION SHEET NUMBER

# SHOP DWGS/EQUIPMENT **SUBMITTALS**

THE CONTRACTOR MUST SUBMIT ANY EQUIPMENT ALTERNATES 2 WEEKS PRIOR TO BIDS DUE FOR REVIEW AND COMMENTS. ALTERNATES MUST BE ACCEPTED BY LIRO ENGINEERS, INC., THE ARCHITECT, AND THE OWNER PRIOR TO INCLUSION IN BID. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE EQUIPMENT ALTERNATES WITH OTHER TRADES AND MAKE ADJUSTMENTS TO THE MECHANICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE THESE NEW ALTERNATES.

THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL OF THE FOLLOWING ITEMS FOR REVIEW/APPROVAL BY NO MORE THAN 3 WEEKS AFTER THE CONTRACTOR'S CONTRACT/BID HAS BEEN AWARDED. ALL SUBMITTALS MUST BE SENT TOGETHER AS A SINGLE PACKAGE WITH MANUFACTURER'S SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET. IF THE SUBMITTAL PACKAGE IS FOUND TO BE INCOMPLETE UPON RECEIPT, THE PACKAGE WILL BE HELD AND WILL NOT BE REVIEWED UNTIL THE REMAINDER OF THE PACKAGE IS RECEIVED. SIX (6) HARD COPIES OF THE SUBMITTAL PACKAGE MUST BE SENT TO LIRO ENGINEERS, INC. DIGITAL SHOP DRAWING SUBMISSIONS ARE ACCEPTABLE.

# FIRE PROTECTION NOTES

I. THE DRAWINGS SHOW THE LAYOUT OF THE SYSTEM AND INDICATE THE APPROXIMATE LOCATIONS OF EQUIPMENT AND PIPING. CONTRACTOR IS CAUTIONED NOT TO SCALE THE DRAWINGS. THE PIPING SHALL BE RUN APPROXIMATELY IN THE AREAS AS INDICATED ON THE DRAWINGS, [HOWEVER, TO THE ARRANGEMENT OF THE PIPING SYSTEMS AS MAY BE REFERENCED WITH WORK OF OTHER TRADES]. CONTRACTOR SHALL REVIEW AND COORDINATE WITH STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS, PARTITIONS, STRUCTURAL MEMBERS, ETC. ARE DESIGNED TO BE FURRED OR CLOSED IN AND TO INCLUDE ROUGH-IN PIPING. CONTRACTOR SHALL FURNISH ALL OFFSETS, ADDITIONAL FITTINGS, ETC. WHETHER SHOWN ON DRAWINGS OR NOT, AS REQUIRED TO MEET INSTALLATION CONDITIONS.

2. CONTRACTOR IS TO COMPLY WITH LATEST NFPA AND N.Y.S. CODES, AND COORDINATE HIS WORK WITH OTHER TRADES AND MAKE NECESSARY ADJUSTMENTS.

3. CONTRACTOR IS TO PREPARE SHOP DRAWINGS FOR ENGINEERS REVIEW AFTER MAKING A COMPLETE FIELD

4. CONTRACTOR IS TO REPORT ANY CONDITION REQUIRING CHANGES FROM PLANS TO ENGINEER PRIOR TO STARTING WORK.

5. BRANCH LINES AND MAINS (1 1/2" OR LESS) - SCHEDULE 40 FM APPROVED

6. BRANCH LINES AND MAINS (2" OR LARGER) - THINWALL (THICKNESS LESS THEN SCHEDULE 40 MORE THEN SCHEDULE 10 & FM APPROVED)

7. CONTRACTOR IS TO PERFORM A HYDROSTATIC TEST FOR 2 HRS. a 200 PSI WITH NO LEAKAGE AND PROVIDE A TEST CERTIFICATE TO ENGINEER

8. CONTRACTOR IS TO EMPLOY EXPERIENCED WORKMEN WHO ARE TO FAMILIARIZE THEMSELVES WITH THE BUILDING AND OBSERVE SAFETY REQUIREMENTS.

9. CONTRACTOR TO ADJUST HEAD LOCATION TO COORDINATE WITH LIGHTS, DUCTS, ETC.

10. PERMIT FROM LOCAL AUTHORITY, TO BE OBTAINED BY CONTRACTOR.

11. ALL WORK TO BE APPROVED BY OWNERS ENGINEER, STATE AUTHORITIES HAVING JURISDICTION AND MUNICIPAL FIRE, PLUMBING, BUILDING AND WATER DEPARTMENTS.

12. U.L. AND/OR FM APPROVED EQUIPMENT TO BE USED.

13. WORK TO BE IN ACCORDANCE WITH MUNICIPAL WATER DEPT. RULES

14. SYSTEM IS TO BE MAINTAINED AND TESTED BY THE OWNER OR HIS AGENT IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES AND IN CONFORMANCE WITH NFPA 13A, LATEST EDITION.

15. IF BUILDING OCCUPANCY OR CONSTRUCTION CHANGES, THE SPRINKLER SYSTEM IS TO BE UPDATED

ACCORDINGLY BY THE OWNER OR HIS AGENT.

16. CONTRACTOR IS TO NEATLY CUT AND PATCH IN A FIRST CLASS WORKMANLIKE MANNER, ALL HOLES AND PENETRATIONS IN WALLS, CEILINGS, FLOORS, PARTITIONS, ETC.

17. THE ENGINEER IS NOT RETAINED FOR SUPERVISION.

18. THE INSTALLATION OF THIS SYSTEM WILL REQUIRE THE CLOSING OF ONE OR MORE FIRE PROTECTION CONTROL VALVES. THESE VALVE CLOSURES SHOULD BE CLOSELY COORDINATED WITH THE OWNERS WHO SHOULD CONTACT THE LOCAL FIRE DEPARTMENT, INSURANCE INTERESTS, ETC. PRIOR TO VALVE CLOSURES.

19. ACTUAL DESIGN DENSITY MAY EXCEED STANDARDS, HOWEVER, IT IS A MINIMUM TO BE USED BY THE

20. ALL ALARMS RELATING TO THE SPRINKLER SYSTEM SHOULD BE ACTIVATED UPON PLACING THE SPRINKLER SYSTEM IN SERVICE.

21. THE INSTALLATION COMPONENTS, SIZING, SPACING, MATERIALS LOCATION CLEARANCES, POSITION AND TYPE OF SYSTEM SHALL CONFORM TO NFPA 13 AND NYS UNIFORM FIRE PREVENTION BUILDING CODE LATEST

22. SPRINKLERS SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER NFPA CODE.

23. INSPECTION AND TESTS OF SPRINKLER SYSTEM SHALL BE CONDUCTED AS SPECIFIED IN NFPA CODE

24. WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED AS SPECIFIED IN CHAPTER 2-9 OF NPPA 13.

25. PIPING SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION, DAMAGE FITTINGS, VALVES, HANGERS, SPRINKLERS, GUARDS AND SHIELDS SHALL BE IN ACCORDANCE WITH CHAPTER 3 AND CHAPTER 8 OF NFPA 13, LATEST EDITION. PIPING SHALL BE PAINTED TO PREVENT CORROSION.

26. STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER CHAPTER 3 OF NFPA 13 (REQUIRED FOR EACH TEMPERATURE RATING).

27. SPRINKLER ALARMS WILL BE IN ACCORDANCE WITH NFPA 13.

28. SPACING, LOCATION AND POSITION OF SPRINKLERS SHALL BE IN ACCORDANCE WITH CHAPTER 4 OF NFPA

29. ALL PIPING PASSING THROUGH WALLS SHALL COMPLY WITH NFPA FOR FIRE PROOFING.

30. DISTANCE OF SPRINKLERS FROM HEAT SOURCES SHALL BE IN ACCORDANCE WITH TABLE 3-16.6.3 OF NFPA

31. PROVIDE WATER SUPPLY LETTER WITH FLOW TEST DATA.

32. ALL PIPES PASSING THROUGH FOUNDATION WALLS TO BE PROTECTED.

33. ALL VALVES SHALL BE IDENTIFIED AS REQUIRED BY NFPA 13.

34. DRAINAGE TO CONFORM TO CHAPTER 3-11 OF NFPA 13.

35. A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHOULD BE USED WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE AS PER SECTION 3-12.2.7 OF NFPA 13.

36. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES AND IN SUPPLY TO SPRINKLERS SHALL BE APPROVED O.S. &Y. OR APPROVED INDICATOR TYPE WITH TAMPER SWITCHES.

37. DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER SECTION 3-14.1.2 OF NFPA 13.

38. HANGERS SHALL BE OF A TYPE APPROVED FOR USE WITH THE PIPE OR TUBE INVOLVED, SPRINKLER PIPING SHOULD BE SUPPORTED BY ADJUSTABLE HANGERS PER NFPA 13, SECTION 3-15.

39. PROVISIONS SHOULD BE MADE TO FACILITATE FLUSHING SYSTEM PIPING BY PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CAPPED NIPPLE 4" LONG ON THE END OF THE CROSS MAIN, AS PER SECTION

40. SPRINKLER SHALL BE AN APPROVED TYPE AS PER SECTION 3-16 OF NFPA 13.

41. TEMPERATURE RATING SHALL COMPLY WITH SEC. 3-16.6 OF NFPA 13.

42. CLEARANCES BETWEEN SPRINKLERS AND STORAGE OR PARTITIONS AS PER NFPA 13, SECTION 4-2.5

43. SPACING AND LOCATION OF SPRINKLER SHALL COMPLY WITH CHAPTER 4 NFPA 13.

44. CONTRACTOR TO COORDINATE HIS WORK WITH OTHER TRADES.

45. ONLY EXPERIENCED SPRINKLER MECHANICS TO WORK ON THE SYSTEM.

46. ALL PIPING TO BE A MINIMUM OF 1" UNLESS OTHERWISE NOTED.

47. PROVIDE SHOP DRAWINGS WITH HYDRAULIC CALCULATIONS FOR REVIEW TO LOCAL FIRE MARSHALL AND INSURANCE UNDERWRITER AND ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

48. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

49. ALL FIRE PROTECTION EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS

# **SCOPE OF WORK:**

. THE INSTALLATION OF NEW DRY FS EQUIPMENT.

. PROPOSED FIRE SPRINKLER HEAD LOCATIONS AND PIPING ARE AS NOTED ON PLANS. EXACT PIPING FROM THE FIRE SPRINKLER MAIN TO ALL HEADS IS TO BE COORDINATED AND HYDRAULICALLY CALCULATED BY THE F.S.C. & SUBMITTED TO THE ENGINEER FOR APPROVAL.

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. F.S.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

		SPRIN	KLER HEAD SCHEDULE		
	MANUFACTURER	MODEL	DESCRIPTION	K-FACTOR	QUANTITY
)	RELIABLE	F1FR	DRY ORDINARY UPRIGHT SPRINKLE HEAD	5.6	28
)	RELIABLE	F1FR	DRY ORDINARY CONCEALED SPRINKLER HEAD	5.6	28

	ABBREVIATION
(E)	EXISTING TO REMAIN
F.S.C.	FIRE SPRINKLER CONTRACTOR
P.C	PLUMBING CONTRACTOR
TYP	TYPICAL
W/	WITH
NYS	NEW YORK STATE
U.G.	UNDERGROUND PIPING
W	WATER

W WATER					
DRA	WIN	G NOTATIONS			
(	#	DRAWING NOTE TAB			
(	$\overline{)}$	RISER DESIGNATION			
(	<b>⊗</b>	POINT OF CONNECTION			
(	•	POINT OF DISCONNECTION			

FIRE WATCH
CONTRACTOR SHALL PROVIDE FIRE WATCH WHEN SPRINKLER COVERAGE IS IMPACTED TO MAINTAIN BUILDING OPERATIONS.

# ORDINARY HAZARD PIPE

	STEEL	COPPER			
1IN. 1 1/4 IN. 1 1/2IN. 2 IN. 2 1/2 IN. 3 IN. 3 1/2 IN. 4 IN. 5 IN. 6 IN. 8 IN.	2 SPRINKLERS 3 SPRINKLERS 5 SPRINKLERS 10 SPRINKLERS 20 SPRINKLERS 40 SPRINKLERS 65 SPRINKLERS 100 SPRINKLERS 160 SPRINKLERS 275 SPRINKLERS SEE SECTION 8.2	1IN. 1 1/4 IN. 1 1/2IN. 2 IN. 2 1/2 IN. 3 IN. 3 1/2 IN. 4 IN. 5 IN. 6 IN. 8 IN.	2 SPRINKLERS 3 SPRINKLERS 5 SPRINKLERS 12 SPRINKLERS 25 SPRINKLERS 45 SPRINKLERS 75 SPRINKLERS 115 SPRINKLERS 180 SPRINKLERS 300 SPRINKLERS SEE SECTION 8.2		

**SCHEDULE** 

FOR SI UNITS, 1 IN. = 25.4 MM.

# **DESIGN CRITERIA**

1. AREA OF APPLICATION = 2,140 SQ. FT

2. OCCUPANCY CLASSIFICATION = ORDINARY HAZARD GROUP 2

3. MAXIMUM COVERAGE PER SPRINKLER HEAD = 130 SQ. FT

4. DESIGN DENSITY = 0.20 GPM/SQ. FT

5. NUMBER OF SPRINKLER HEADS WITHIN AREA OF APPLICATION = 27

6. "K" FACTOR OF SPRINKLER HEADS = 5.6

7. DESIGN CRITERIA REQUIREMENTS BASED ON:

- 2020 INTERNATIONAL CODE AS ADOPTED BY NEW YORK STATE - 2013 NFPA 13

MAXIMUM DISTANCE BETWEEN HANGERS (FTIN.)														
NOMINAL PIPE SIZE (IN.)														
	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8		
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0		
THREADED LIGHTWALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A		
COPPER TUBE	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0	15-0	15-0	15-0		

DRY SYSTEM COMPRESSOR SCHEDULE											
TAG	MANUFACTURER	MODEL	SERVICE	LOCATION	AVERAGE CFM	V.PH.HZ	HP	RECOMENDED WIRE SIZE	DIMENSION (L"xW'xH")	WEIGHT (LBS)	NOTES
DC-1	GENERAL AIR PRODUCTS	LT20033A	DRYSYSTEM	UTILITY ROOM	2.43	230.1.60	1/3	12	33x13x28	115	1,2,3

1. MOUNTING BRACKET.

2. PROVIDE AIR MAINTENANCE DEVICE (RELIABLE MODEL AMD-1) 3. PROVIDE WITH A 10 GALLON GENERAL AIR TANK

. FACTORY PREASSEMBLETRIM - BASIC

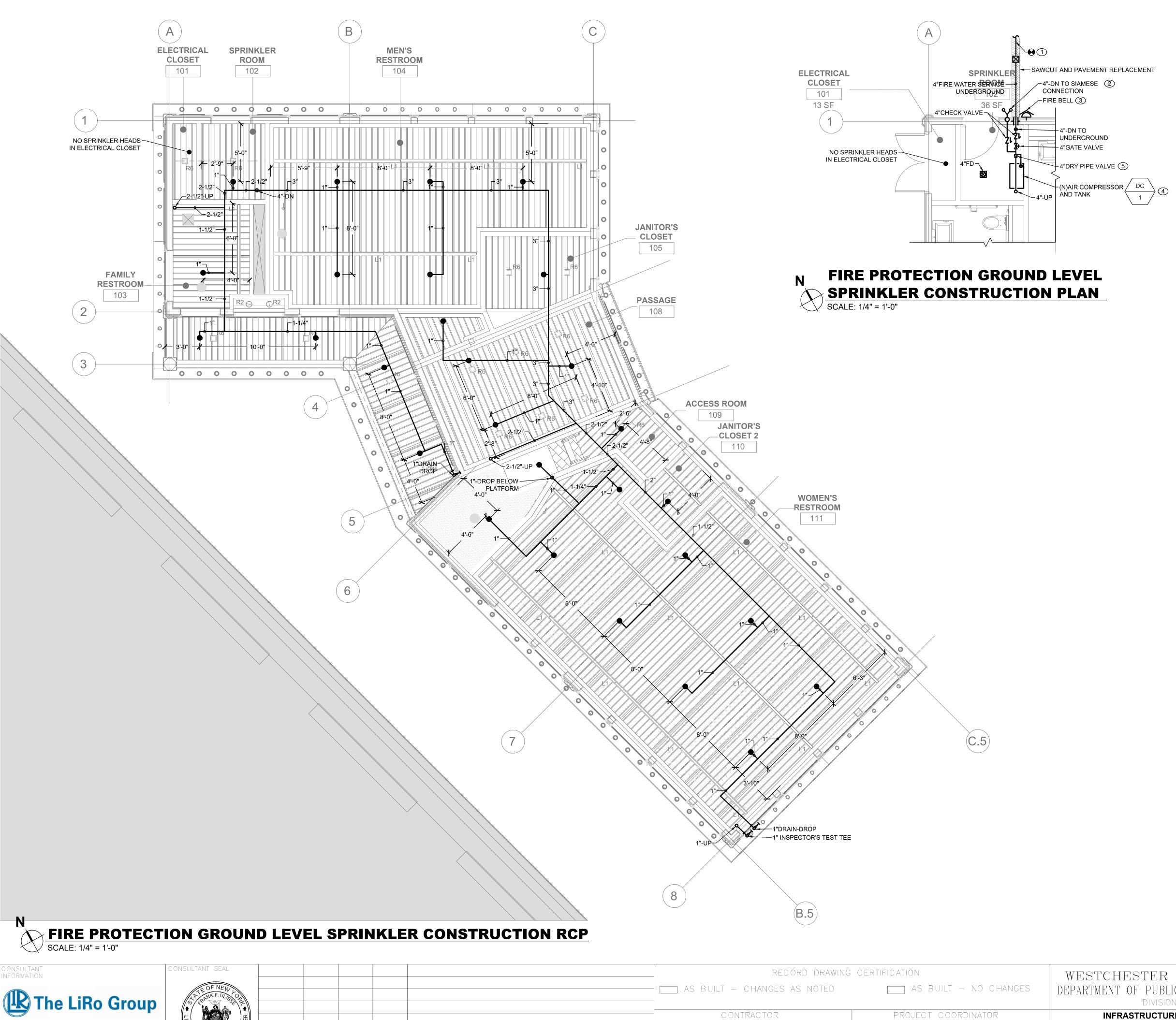
4. UL LISTED PRESSURE SWITCH. SET FOR 20 PSI ON AND 25 PSI OFF. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER AIR PRESSURE.

DRY PIPE VALVE SCHEDULE							
IUFACTURER	MODEL	SERVICE	LOCATION	SIZE (INCH)			
RELIABLE	D	DRYSYSTEM	SPRINKLER ROOM	4			
TES:							

2. PROVIDE WITH RELIABLE B1 ACCELERATOR. INSTALL AS PER MANUFACTURER'S RECCOMENDATIONS

	FIRE PROTECTION DRAWING LIST							
SHEET NO.	SHEET NAME		REVISION DATE					
BCR-FP-01	FIRE PROTECTION NOTES, SYMBOLS, ABBREVIATIONS, AND DRAWING LIST	0	-					
BCR-FP-21	FIRE PROTECTION GROUND LEVEL SPRINKLER CONSTRUCTION RCP	0	ii.					
BCR-FP-22	FIRE PROTECTION TOWER ATTIC SPRINKLER CONSTRUCTION RCP	0	•					
BCR-FP-81	FIRE PROTECTION DETAILS	0	-					

OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE). ONSULTANT SEAL RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK NUMBER JUMBER **IFORMATION** BCR-FP-01 20-530 AS BUILT - NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AS BUILT — CHANGES AS NOTED DIVISION OF ENGINEERING DWG NO.: **Page 262 of 288** CONTRACTOR PROJECT COORDINATOR **INFRASTRUCTURE REHABILITATION - PHASE 2** AS NOTED PLAYLAND PARK, RYE, NEW YORK 3 Aerial Way, Syosset, New York 11791 MAY 26, 2021 SIGNATURE \_\_\_\_\_ **BUMPER CAR RESTROOMS** (516) 938-5476 www.liro.com FIRE PROTECTION NOTES, SYMBOLS, ABBREVIATIONS AND MADE APP' TITLE \_\_\_\_\_ DATE \_\_\_\_\_ DATE REVISION 1-118-FP-650 DRAWING LIST NUMB ER



REVISION

3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com

REVISION DATE MADE APP'D BY

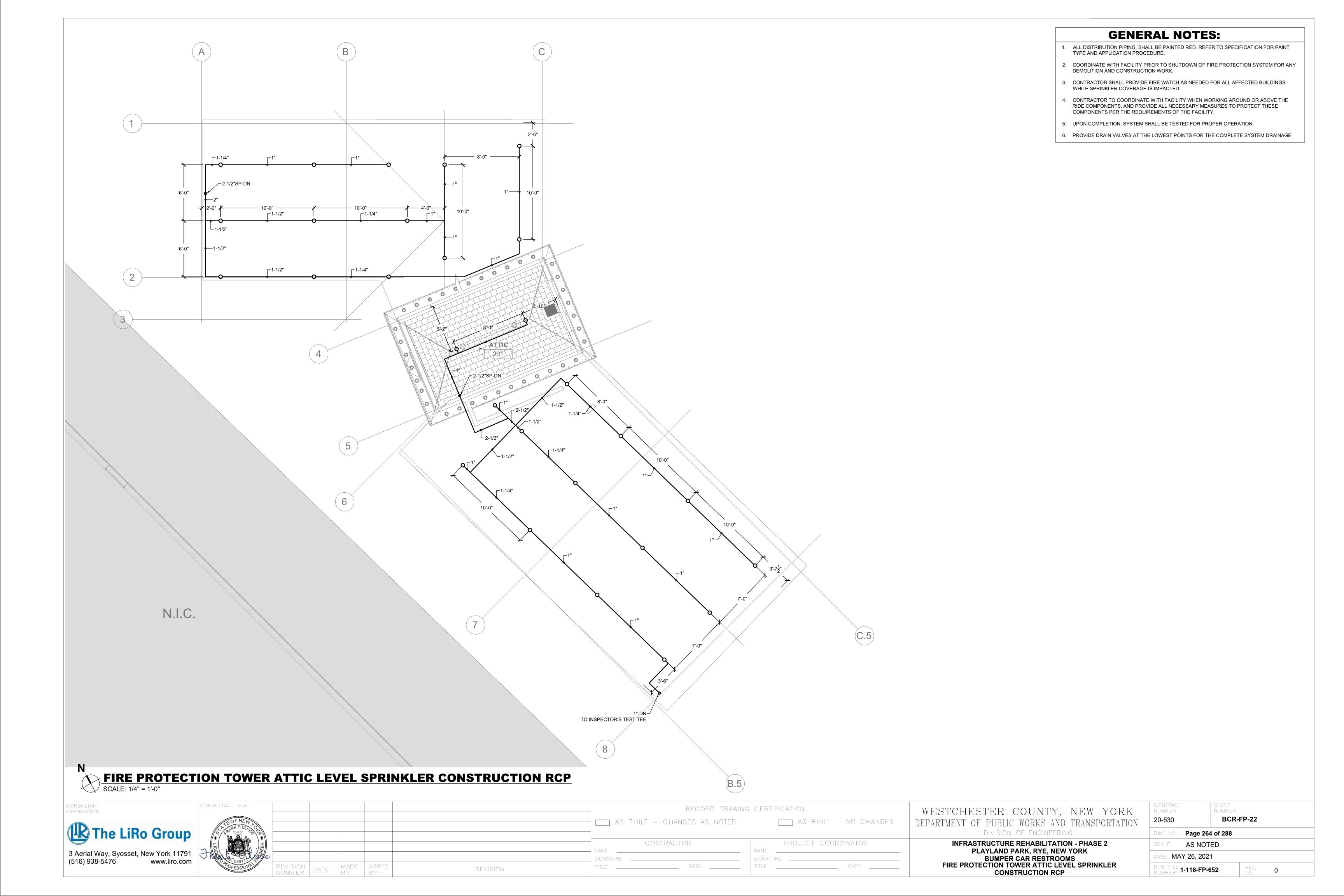
# FIRE PROTECTION CONSTRUCTION NOTES:

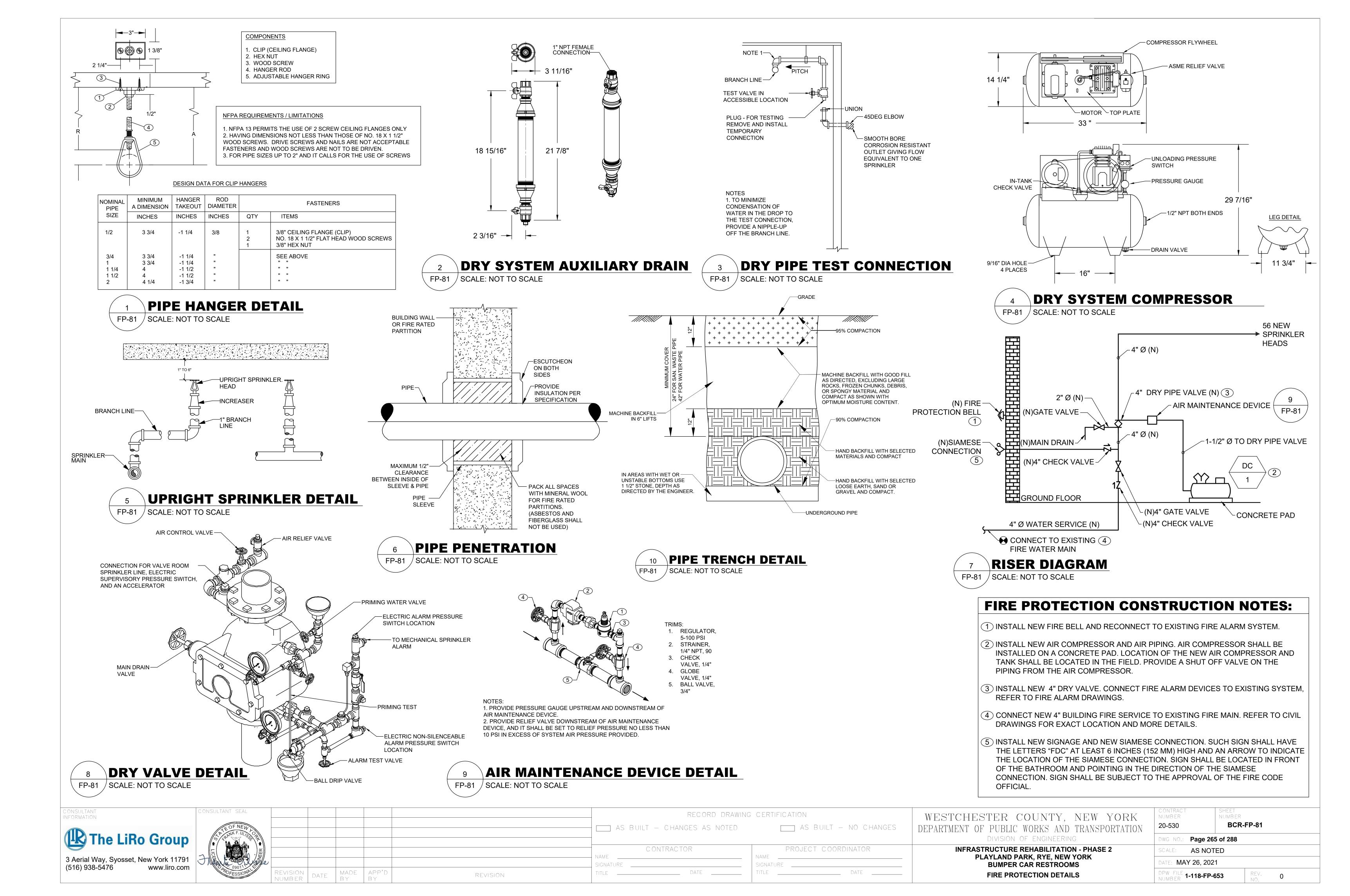
- 1 PROVIDE NEW 4" FIRE SERVICE 5' FROM THE BUILDING OUTLINE TO EXISTING FIRE MAIN LOCATED AT COLONNADES MALL WALKWAY. REFER TO CIVIL DRAWINGS FOR EXACT CONNECTION AND MORE DETAILS. PROVIDE CURB VALVE WITH VALVE BOX.
- ② INSTALL NEW SIGNAGE AND NEW SIAMESE CONNECTION. SUCH SIGN SHALL HAVE THE LETTERS "FDC" AT LEAST 6 INCHES (152 MM) HIGH AND AN ARROW TO INDICATE THE LOCATION OF THE SIAMESE CONNECTION. SIGN SHALL BE LOCATED IN FRONT OF THE GAMES ROW NORTH BATHROOM AND POINTING IN THE DIRECTION OF THE SIAMESE CONNECTION. SIGN SHALL BE SUBJECT TO THE APPROVAL OF THE FIRE CODE
- 3 INSTALL NEW FIRE BELL AND CONNECT TO FIRE LARM SYSTEM.
- (4) INSTALL NEW AIR COMPRESSOR AND AIR PIPING. AIR COMPRESSOR SHALL BE INSTALLED ON A CONCRETE PAD. LOCATION OF THE NEW AIR COMPRESSOR AND TANK SHALL BE LOCATED IN THE FIELD. PROVIDE A SHUT OFF VALVE ON THE PIPING FROM THE AIR COMPRESSOR.
- (5) CONNECT ALL REQUIRED FIRE ALARM DEVICES TO THE EXISTING FIRE ALARM SYSTEM. COORDINATE WITH MANUFACTURER THE CONNECTION OF THE SWITCHES.

# **GENERAL NOTES:**

- 1. ALL DISTRIBUTION PIPING, SHALL BE PAINTED RED. REFER TO SPECIFICATION FOR PAINT TYPE AND APPLICATION PROCEDURE.
- 2. COORDINATE WITH FACILITY PRIOR TO SHUTDOWN OF FIRE PROTECTION SYSTEM FOR ANY DEMOLITION AND CONSTRUCTION WORK.
- 3. CONTRACTOR SHALL PROVIDE FIRE WATCH AS NEEDED FOR ALL AFFECTED BUILDINGS WHILE SPRINKLER COVERAGE IS IMPACTED.
- 4. CONTRACTOR TO COORDINATE WITH FACILITY WHEN WORKING AROUND OR ABOVE THE RIDE COMPONENTS, AND PROVIDE ALL NECESSARY MEASURES TO PROTECT THESE COMPONENTS PER THE REQUIREMENTS OF THE FACILITY.
- 5. UPON COMPLETION, SYSTEM SHALL BE TESTED FOR PROPER OPERATION.
- 6. PROVIDE DRAIN VALVES AT THE LOWEST POINTS FOR THE COMPLETE SYSTEM DRAINAGE.

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  DIVISION OF ENGINEERING	DWG NO.: Page 263 of 288	
INFRASTRUCTURE REHABILITATION - PHASE 2	SCALE: AS NOTED	
PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOMS	DATE: <b>MAY 26, 2021</b>	





### **PLUMBING SYMBOL LIST** IDENTIFIER **DESCRIPTION** NEW DOMESTIC COLD WATER \_\_\_\_ \_ \_ \_\_\_CW \_\_\_\_ \_ \_ HW NEW DOMESTIC HOT WATER \_\_\_\_ \_ \_ TW NEW TEMPERED WATER — s — NEW SANITARY PIPING (ABOVE SLAB NEW SANITARY PIPING (UNDER SLAB) \_ \_ \_ \_ S \_ \_ \_ \_ \_ \_ NEW SANITARY VENT PIPING FIELD CONNECT FIELD DISCONNECT REFER TO SUPPLEMENTAL FIGURE INDICATED BY (F#) NUMBER (I.E. F2 REFERS TO FIGURE 2) /XXX\**←** – EQUIPMENT TAG XX / - EQUIPMENT NUMBER /XXX - DETAIL TAG/CALL OUT TAG X-XXX - PLUMBING SHEET NUMBER

# PIPING ELEMENTS/VALVING

BACKFLOW PREVENTER (DOUBLE CHECK VALVE ASSEMBLY)	o- P-TRAP
(DOUBLE CHECK VALVE ASSEMBLY)	——⇒ PIPE DROPPING DOWN
—⊸5— BALL VALVE	——— PIPE RISING UP
E CAP ON END OF PIPE	—N— SWING CHECK VALVE
— CO⊢ CLEANOUT	— C TEE OUTLET DOWN
FD - FLOOR DRAIN	——O— TEE OUTLET UP
——⋈— GATE VALVE	— * VALVE IN RISE OR DROP
HB ∕+ HOSE BIBB	W.C.O.  WALL CLEAN OUT

# **SCOPE OF WORK**

WHA ■ WATER HAMMER ARRESTER

IN BOX W/VACUUM BREAKER

NFHB >+-- NON FREEZE HOSE BIBB

PLUMBING SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

THERMOSTATIC MIXING

VALVE IN VALVE BOX

- REMOVAL OF EXISTING ROCKY POINT RESTROOM WITH ALL PLUMBING FIXTURES, PIPING, AND SERVICES.
- 2. THE INSTALLATION OF NEW PLUMBING FIXTURES AND ALL ASSOCIATED PIPING AND ACCESSORIES WITHIN BUMPER CAR RESTROOMS.
- 3. THE INSTALLATION OF NEW SANITARY AND DOMESTIC WATER SERVICES FOR BUMPER

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT .P.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING & ARCHITECTURAL DRAWINGS & VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID.

# **CODE REFERENCE**

- 2020 NEW YORK STATE BUILDING CODE 2020 NEW YORK STATE MECHANICAL CODE 2020 NEW YORK STATE PLUMBING CODE
- 2020 NEW YORK STATE ENERGY CONSERVATION CODE

# **SECTION 704** DRAINAGE PIPING INSTALLATION

704.1 SLOPE OF HORIZONTAL DRAINAGE PIPING.

HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPES. THE MINIMUM SLOPE OF HORIZONTAL DRAINAGE PIPE SHALL BE IN ACCORDANCE WITH TABLE 704.1.

### **TABLE 704.1** SLODE OF HODIZONITAL DRAINIAGE DIDE

SLOPE OF HORIZONTAL DRAINAGE PIPE						
SIZE	MINIMUM SLOPE					
(INCHES)	(INCH PER FOOT)					
2 1/2 OR LESS	1/4					
3 TO 6	1/8					
8 OR LARGER	1/16					

# **LEED NOTES**

1. ALL ADHESIVES, SEALANTS, PAINTS & COATINGS APPLIED TO THE INTERIOR OF THE BUILDING (WITHIN THE WEATHER PROOFING SYSTEM, INCLUDING WALL CAVITIES) MUST NOT EXCEED THE LEED VOC LIMITS. PROVIDE A VOC SUBMITTAL AND MSDS FOR ALL ADHESIVES, SEALANTS, PAINTS AND COATINGS TO BE APPLIED.

# **PLUMBING GENERAL NOTES:**

- ALL PLUMBING WORK UNDER THIS CONTRACT SHALL CONFORM TO THE LATEST EDITION OF THE PLUMBING CODE OF NEW YORK STATE (PC-NYS), THE NEW YORK STATE ENERGY CODE, AND THE REQUIREMENTS OF THE UTILITY AND THE LOCAL WATER COMPANY.
- ALL MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
- THE PLUMBING CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL LABOR AND MATERIALS SUPPLIED AND INSTALLED UNDER THIS CONTRACT AND SHALL GUARANTEE THE WORK PERFORMED UNDER THIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THIS WORK.
- PLUMBING CONTRACTOR SHALL CONSULT WITH. COOPERATE AND COORDINATE WITH THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR, SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR, ETC. IN ORDER TO MINIMIZE INTERFERENCES BETWEEN TRADES DURING PERFORMANCE OF THIS WORK.
- THE PLUMBING CONTRACTOR SHALL PREPARE AND FILE ALL REQUIRED PLANS AND PERMITS WITH THE LOCAL AUTHORITIES. PC SHALL PAY THE FILING FEES AS REQUIRED. PC SHALL OBTAIN ALL APPROVALS AND SHALL PAY FOR ALL WORK PERMITS, INSPECTIONS AND SIGN-OFFS AS REQUIRED TO EXECUTE THIS WORK IN A MANNER IN CONFORMANCE WITH THE CODES AND AUTHORITIES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL PERFORM ALL TESTS AND ARRANGE FOR ALL INSPECTIONS FOR WORK UNDER HIS CONTRACT AS REQUIRED BY LAW AND SHALL SUPPLY ALL CERTIFICATES OF INSURANCE AS REQUIRED BY THE LAW AND THE OWNER. REFER TO SECTION 107 (INSPECTIONS) OF THE PC-NYS.
- THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL PLUMBING EQUIPMENT REGARDLESS WHETHER ILLUSTRATED HEREIN WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.
- PLUMBING CONTRACTOR SHALL VISIT THE SITE & BECOME FAMILIAR WITH THE EXISTING CONDITIONS, INCLUDING THE SIZE OF CONNECTIONS, ROUGHING DIMENSIONS, ETC. BEFORE SUBMITTING A QUOTATION FOR THE WORK.
- PLUMBING CONTRACTOR SHALL PERFORM ALL CUTTING, EXCAVATION, BACKFILLING, ROUGH & FINISH PATCHING AS PER THE SPECIFICATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK, UNLESS NOTED OTHERWISE.
- 10. ALL CONNECTIONS TO NEW AND/OR EXISTING EQUIPMENT SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 11. IT IS THE INTENT OF THIS CONTRACT THAT THE COMPLETED WORK BE FULLY OPERATIONAL.
- 12. ALL PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED AT INTERVALS AND BE FABRICATED OF MATERIALS AS REQUIRED BY THE PC-NYS.
- 13. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED WITH ANGLE STOP VALVES IN THE SUPPLY LINES SERVING THE FIXTURE.
- 14. ALL NEW EXPOSED WATER AND WASTE PIPING SERVING THE FIXTURES SHALL BE CHROME PLATED AND SHALL HAVE CHROME PLATED ESCUTCHEONS RIGIDLY ATTACHED TO THE PIPING AT THE POINT OF WALL OR FLOOR PENETRATIONS.
- 15. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL NEW PLUMBING FIXTURES AND EQUIPMENT TO BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT FOR APPROVAL BEFORE INSTALLATION OF SAME.
- 16. WATERPROOF PIPE SLEEVES SHALL BE INSTALLED AT ALL PENETRATIONS THROUGH EXTERIOR WALLS. PIPE SLEEVES SHALL BE INSTALLED AT ALL WALL PENETRATIONS THROUGH INTERIOR WALLS AND FLOORS.
- 7. WATER HAMMER ELIMINATORS (APPROVED FIELD FABRICATED OR MANUFACTURED) SHALL BE INSTALLED AT ALL RUN OUTS IN HOT AND/OR COLD WATER LINES SERVING TOILET ROOMS AND OTHER AREAS WHICH INCORPORATE "RAPID - ACTION" VALVES SUCH AS FLUSHOMETERS, SOLENOID VALVES, ETC.
- 18. ALL PIPING SHALL BE TESTED AT A MINIMUM PRESSURE OF 1-1/2 TIMES THE MAXIMUM OPERATING PRESSURE UNLESS OTHERWISE NOTED ON THE DOCUMENTS OR THE PLUMBING CODE AND IN ACCORDANCE WITH THE UTILITY REQUIREMENTS.
- 19. ALL REMOVALS PERFORMED UNDER THIS CONTRACT SHALL INCLUDE REMOVAL OF ALL DEBRIS AND DISPOSAL AT AN APPROPRIATE SITE.
- 20. ALL LAVATORIES DESIGNED FOR USE BY PERSONS CONFINED TO WHEELCHAIRS SHALL HAVE THE HOT & COLD WATER SERVICES, AS WELL AS THE TRAP, RECESSED & INSULATED IN ACCORDANCE WITH ADA REQUIREMENTS.
- 21. REFER TO THE ARCHITECTURAL PLANS FOR ALL STRUCTURAL DIMENSIONS.
- 22. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
- 23. ALL PIPING PENETRATIONS TO BE SEALED AROUND WITH "NELSON" FIRE SEAL.
- 24. ALL WATER SERVICE PIPING WITHIN THE BUILDING IS TO BE INSULATED IN ACCORDANCE WITH ALL NEW YORK STATE PLUMBING CODE (NYS-PC) AND NYS
- 25. ALL PLUMBING FIXTURES TO BE INSTALLED AS PER FACTORY RECOMMENDATIONS.
- 26. ALL PLUMBING FIXTURES TO BE TRAPPED, VENTED AND PROVIDED WITH AIR SHOCKS
- 27. PLUMBING FIXTURES SHALL COMPLY WITH "WATER CONSERVATION" REQUIREMENT AS DETAILED IN THE NYS-PC.

28. GC IS RESPONSIBLE TO SUBMIT APPLICATION AND TAP FEES TO LOCAL WATER

- AUTHORITY AND HAVE OWNER FILL OUT APPLICATION UPON COMPLETION OF PLUMBING ROUGH-IN INSPECTION. 29. ALL WATER AND HORIZONTAL STORM DRAIN PIPING INCLUDING ROOF DRAIN BODY
- SHALL BE INSULATED.
- 30. FLOOR DRAINS AND FLOOR CLEAN-OUTS SHALL BE SET LEVEL WITH FINISHED
- 31. ALL PIPE DIMENSIONS ARE INSIDE CLEAR

REQUIREMENTS/SPECIFICATIONS.

- 32. ALL PLUMBING FIXTURES TO HAVE ISOLATION VALVES.
- 33. P.C. IS RESPONSIBLE TO ADJUST HOT WATER HEATER (WH) TEMPERATURE TO ENSURE A TEMPERATURE RANGE OF 110°F TO 120°F AT THE INDIVIDUAL FIXTURE OUTPUT. P.C. MUST ENSURE A TEMPERATURE OF 120° F MAXIMUM AT THE FIXTURES TO PREVENT SCALDING.
- 34. BUILDING DOMESTIC WATER DEMAND & SIZING IS CALCULATED FROM NYS-PC SECTION 603, 604 & APPENDIX E.
- 35. BUILDING SANITARY DEMAND & SIZING IS CALCULATED FROM NYS-PC SECTIONS 709 AND 710.
- 36. ALL DFU CALCULATIONS ARE BASED OFF OF TABLE 709.1 OF THE NYS-PC.
- 37. ALL SANITARY WATER PIPING SHALL BE PITCHED IN ACCORDANCE WITH NYS-PC SECTION 704 BASED ON TABLE 704.1 SLOPE OF HORIZONTAL DRAINAGE PIPE.
- 38. ALL VENT SIZING IS BASED OFF OF SECTION 916 OF THE NYS PLUMBING CODE.
- 39. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S

# **PLUMBING REMOVALS NOTES:**

- 1) DEMOLITON/RELOCATIONS: CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVALS AND RELOCATIONS OF PLUMBING EQUIPMENT AND MATERIAL RELATING TO HIS/HER RESPECTIVE TRADE. INCLUDE IN BID THE COST TO PROVIDE REMOVALS OF ALL PLUMBING EQUIPMENT AND SYSTEMS ASSOCIATED WITH THE RENOVATION WORK. COORDINATE WITH OWNER ALL REMOVALS WORK TO BE PERFORMED BY OWNER.
- ) THE CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE, ADJUST, ADAPT AND MODIFY EXISTING EQUIPMENT AND/OR SYSTEMS AS REQUIRED WHEN SUCH WORK IS UNCOVERED AND FOUND TO INTERFERE WITH COMPLETION OF WORK IN THIS CONTRACT OR OTHER CONTRACT WORK.
- i) EXECUTE THE REMOVALS IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.
- 4) TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING BY WETTING REMOVED DEBRIS, EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.
- (5) REMOVE ALL PIPE HANGERS WHEN REMOVING PIPING. PATCH SLAB AS REQUIRED.
- (6) WHERE EXISTING WALLS. FLOORS OR CEILINGS ARE REMOVED OR PENETRATED. AND WHERE EXISTING END WALLS OF THE BUILDING ARE POINTS OF CONNECTION OF ADDITIONS, ALL SERVICES, PIPING, FIXTURES SHALL BE REMOVED (AND/OR RELOCATED WHERE THEY MUST REMAIN IN SERVICE, OR SERVE, AREAS BEYOND THE IMMEDIATE WORK) CONTRACTOR SHALL FIELD VERIFY CONDITIONS AT THE SITE.
- ) PRIOR TO REMOVALS CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED, SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.
- ) REMOVALS SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE, WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
- ) MAINTAIN EXISTING UTILITIES INDICATED OR REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING REMOVALS OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.
- (10) DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED
- () REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
- 12) PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
- 3) PROTECTION:PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER. BEFORE STARTING REMOVALS OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.
- 14) USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- (15) ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED. RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, HE SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR DIRECTIONS.
- (16) FIELD VERIFY REMOVALS REQUIREMENTS AND EXISTING CONDITIONS.
- (17) CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE, AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEPT CLEAN AT ALL
- OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS. 19) THIS CONTRACTOR SHALL NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING

(18) CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION

- BUILDING NOR INTERFERE WITH THE SERVICES IN ANY WAY WITHOUT THE EXPRESSED PERMISSION OF THE OWNER. SUCH INTERRUPTIONS AND INTERFERENCES SHALL BE MADE AS BRIEF AS POSSIBLE AND ONLY AT THE TIME AGREED TO BY THE OWNER.
- (20) WHERE THE WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE. THEY SHALL BE MADE AT TIMES AS WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE OF THE BUILDING.
- (21) THIS CONTRACTOR SHALL GIVE 72 HOUR NOTICE IN ADVANCE TO THE OWNER OF ANY REQUESTED SHUTDOWNS.
- (22) THIS CONTRACTOR SHALL ARRANGE THE WORK CONTINUOUSLY TO ASSURE THAT SERVICES WILL BE SHUTDOWN AND RECONNECTED ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS EXISTING WORK.
- (23) TO INSURE CONTINUOUS OPERATION, MAKE ALL NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. ALL COSTS RESULTING FROM TEMPORARY SHUTDOWNS BORNE BY THIS CONTRACTOR.
- (24) ANY AND ALL REQUIRED REMOVALS WORK TO BE PERFORMED ABOVE EXISTING SUSPENDED CEILINGS AND FURRED OUT WALLS SHALL BE DONE AT THE TIME WHEN THE EXISTING CEILINGS AND FURRED OUT WALLS ARE REMOVED BY THE CONTRACTOR. COORDINATE SCHEDULING TO AVOID DISTURBING RECENTLY

:	FLOOR DRAIN SCHEDULE									
	TAG	TYPE	MANUFACTURER	MODEL	SERVICE					
	FD-1	ADJUSTABLE	ZURN	FD-2320-R5	ALL SPACES					
	NOTES:		-							
	1. PROMDE THE FOLLOWN	NG FOR FD-1; CHORME PLATED STR	AINER ASSEMBLY, 1/2" TRAP PRIMER CO	NNECTION, 6" NICKEL HEAD ASSEMBLY	, AND VANDAL PROOF.					

	CLEANOUT SCHEDULE								
TAG	TYPE	MANUFACTURER	MODEL						
со	ADJUSTABLE DECK PLATE CLEAN OUT	WATTS	CO-1200-R						
WCO	WALL CLEANOUT	WATTS	CO-450-RD						

DOODLE CHLOR VALVE COHEDOLE									
TAG	MANUFACTURER	MODEL	LOCATION	SIZE (IN)	PRESSURE DROP (PSI)				
DCV-1	WATTS	LF007-OSY	SPRINKLER EQUIP. ROOM	3	5.5				
NOTES:									
1. PROVIDE STRAINER WITH DOUBLE CHECK VALVE.									

DOUBLE CHECK VALVE SCHEDULE

	TRAP PRIMER	
TAG	MANUFACTURER	MODEL
TP-1	PRECISION PLUMBING PRODUCTS	P1-500
NOTES:		
1. INSTALL MINIMUM 12" A.F.F.		
2. MAXIMUM 20' FROM FLOOR	DRAIN	
3. INSTALL WITH A SHUT OFF	VALVE ON THE INLET AND A UNION CONNE	ECTION ON THE OUTLET.

	PLUMBING FIXTURE SCHEDULE										
.,		SERVICE							BASED ON:		
MARK	DESCRIPTION	TRAP	s/w	v	cw	TW	HW	ITEM	MANUFACTURER	MODEL	REMARKS
PF-1	WALL MOUNTED WATER CLOSET	(20)	4"	2"	1-1/2"	-	N#	BOWL FLUSH VALVE SEAT CARRIER	SLOAN	ST-2459	FLUSH VALVE SLOAN 8111 SFSM- 1.28
PF-2	WALL MOUNTED URINAL	~	2"	2"	3/4"	ŭ	820	FLUSH VALVE CARRIER	SLOAN	SU-1009	FLUSH VALVE SLOAN 186 SFSM-1.28
PF-3	LAVATORY - WALL-MOUNT	1-1/2"	1-1/2"	1-1/2"		1/2"		FAUCET SUPPORT DRAIN TRIM	DURAMT	2350500030	FAUCET AMERICAN STANDARD 702B.103
PF-5	SERVICE SINK	3"	3"	2"	1/2"	2	1/2"	FAUCET DRAIN TRIM	MUSTEE	63M	FAUCET AMERICAN STANDARD 8344.212
PF-6 DRINKING FOUNTAIN (BI-LEVEL) W/BOTTLE FILLING  1-1/2" 1-1/2" 1-1/2" 3/4" - CARRIER ELKAY LK4409BF											
NOTES:										•	•
	'IDE ALL REQUIRED HANGERS, MO 'IDE ALL LAVATORIES WITH POWE							URES INSTRUCT	IONS.		

	PLUMBING DRAWING LIST	·	
SHEET NO.	SHEET NAME	REVISON NO.	REVISION DATE
BCR-P-01	PLUMBING NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST	0	-
BCR-P-11	PLUMBING ARENA RESTROOM DEMOLITION PLAN	0	-
BCR-P-21	PLUMBING SANITARY/VENT GROUND LEVEL CONSTRUCTION FLOOR PLAN	0	(-
BCR-P-22	PLUMBING DOMESTIC WATER GROUND LEVEL CONSTRUCTION FLOOR PLAN	0	<u> </u>
BCR-P-61	PLUMBING RISER DIAGRAMS	0	H
BCR-P-81	PLUMBING DETAILS	0	į.

ELECTRIC DOMESTIC HOT WATER HEATER SCHEDULE											
TAG	TAG MANUFACTURER MODEL LOCATION			HEATER STORAGE	HEATER STORAGE HEATER KW	STORAGE WATER TEMP	HEATER RECOVERY	ELECTRICAL		DIMENSION	APPROX. SHIPPING
IAG	MANOTACTOREX	MODEL	LOCATION	(GAL)	HEATERIA	SETPOINT (DEG F)	(GPH @ 100F RISE)	V-PH-HZ	AMPS	HxDIA. (IN)	WEIGHT (LBS)
WH-1	BRADFORD WHITE	LE280T3-3	JANITOR'S CLOSETS	80	9.0	140	36	208-1-60	43.2	60x24	183
NOTES:										•	

**ABBREVIATIONS:** 

BACKFLOW PREVENTER

DOUBLE CHECK VALVE

ACCESS DOOR

DFU DRAINAGE FIXTURE UNIT

DPCO DECK PLATE CLEAN OUT

FIELD CONNECT

FLOOR DRAIN

FFD FUNNEL FLOOR DRAIN

FIXTURE UNIT

**HOT WATER** 

LAVATORY

JANITOR'S SINK

NORMALLY OPEN

**ROOF DRAIN** 

STORM DRAIN

SANITARY

URINAL

VENT

TYPICAL

WCO WALL CLEAN OUT

NORMALLY CLOSED

NYS-PC NEW YORK STATE PLUMBING CODE

TMV THERMOSTATIC MIXING VALVE

PLUMBING CONTRACTOR

MECHANICAL CONTRACTOR

U.O.N. UNLESS OTHERWISE NOTED

WATER CLOSET

VERIFY IN FIELD

THE ABBREVIATIONS ARE SHOWN FOR

GENERAL REFERENCE ONLY. THE PRESENCE OF AN ABBREVIATION ON THIS LIST DOES NOT

IMPLY ITS USE ON THIS PROJECT. REFER TO

DRAWINGS FOR SPECIFIC ABBREVIATIONS

WFU WATER FIXTURE UNITS

HOT WATER RETURN

IN ACCORDANCE WITH

INDIRECT WASTE FUNNEL DRAIN

CLEAN OUT

CW COLD WATER

BFP

CO

DCV

FC

FD

FU

HW

HWR

IWFD

IAW

LAV

NC

RD

SD

UR

WC

MC

VIF

LUSED.

TYP.





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TE OF NEW L
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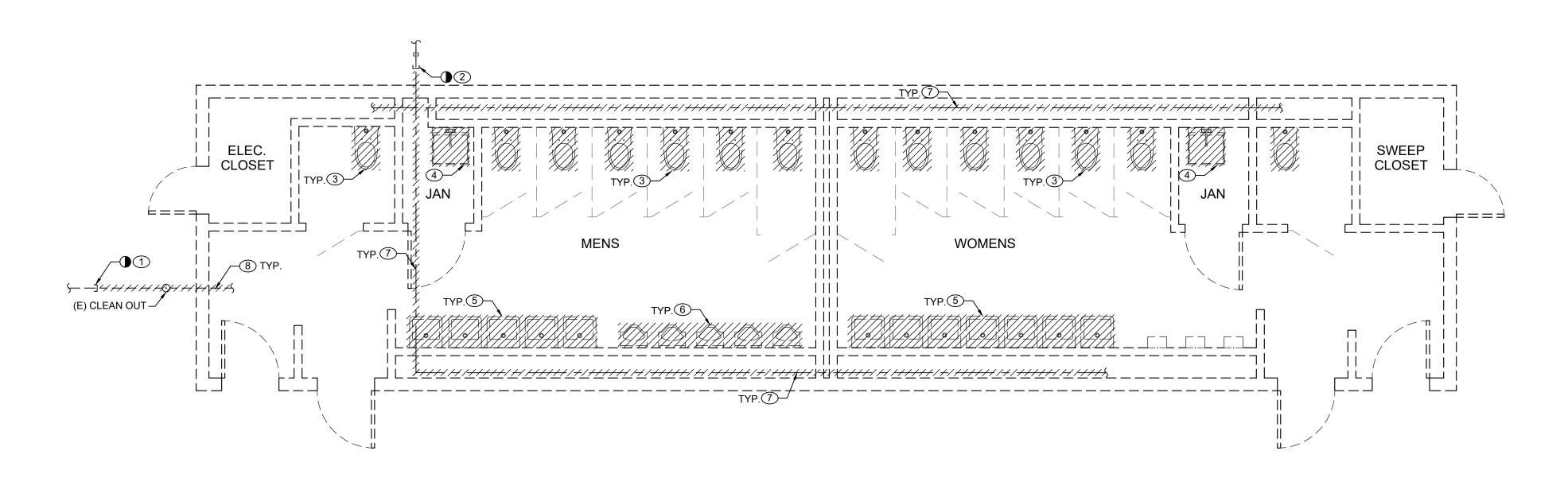
| MADE | APP'D TITLE \_\_\_\_\_ DATE \_\_\_\_\_ REVISION

RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED CONTRACTOR

AS BUILT - NO CHANGES PROJECT COORDINATOR NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK **BUMPER CAR RESTROOMS** 

JUMBER BCR-P-01 20-530 DWG NO.: Page 266 of 288 AS NOTED MAY 26, 2021 PLUMBING NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST 1-118-P-654



PLUMBING ARENA RESTROOM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

C ONSULTANT INFORMATION	CON
The LiRo G	roup
3 Aerial Way, Syosset, New Yo (516) 938-5476 www	rk 11791 /.liro.com

NSULTANT SEAL					
TEOF NEW POPULATION OF THE PROPERTY OF THE PRO					
POFESSIONAL	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

AS BUILT — CHANGES AS NOTED CONTRACTOR

TITLE \_\_\_\_\_ DATE \_\_\_\_

RECORD DRAWING CERTIFICATION \_\_\_\_ AS BUILT — NO CHANGES PROJECT COORDINATOR

NAME \_\_\_\_\_

SIGNATURE \_\_\_\_

**BUMPER CAR RESTROOMS** 

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

PLUMBING ARENA RESTROOM DEMOLITION PLAN

**INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK

SHEET NUMBER NUMBER BCR-P-11 20-530 DWG NO.: **Page 267 of 288** SCALE: AS NOTED : MAY 26, 2021

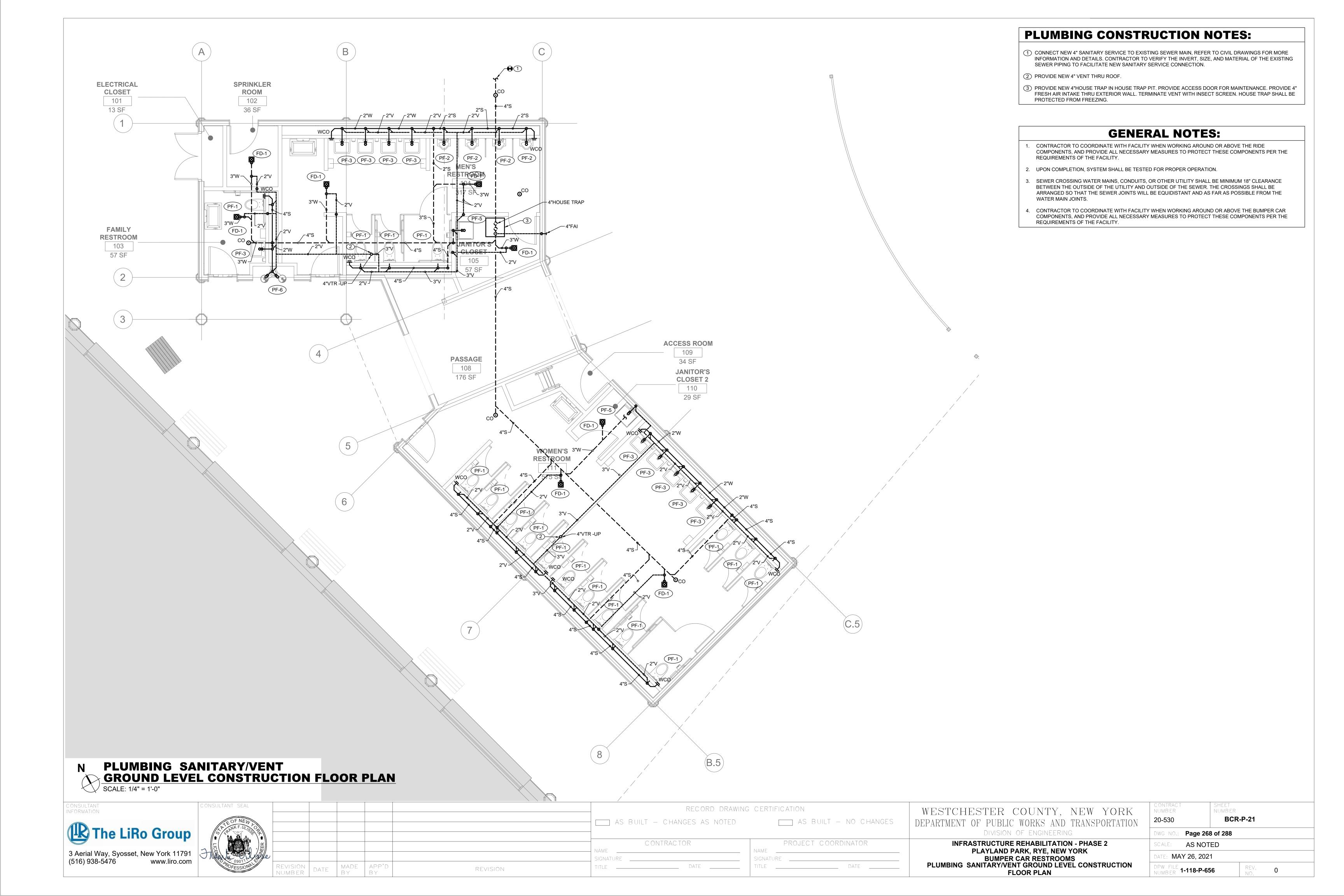
DPW FILE **1-118-P-655** 

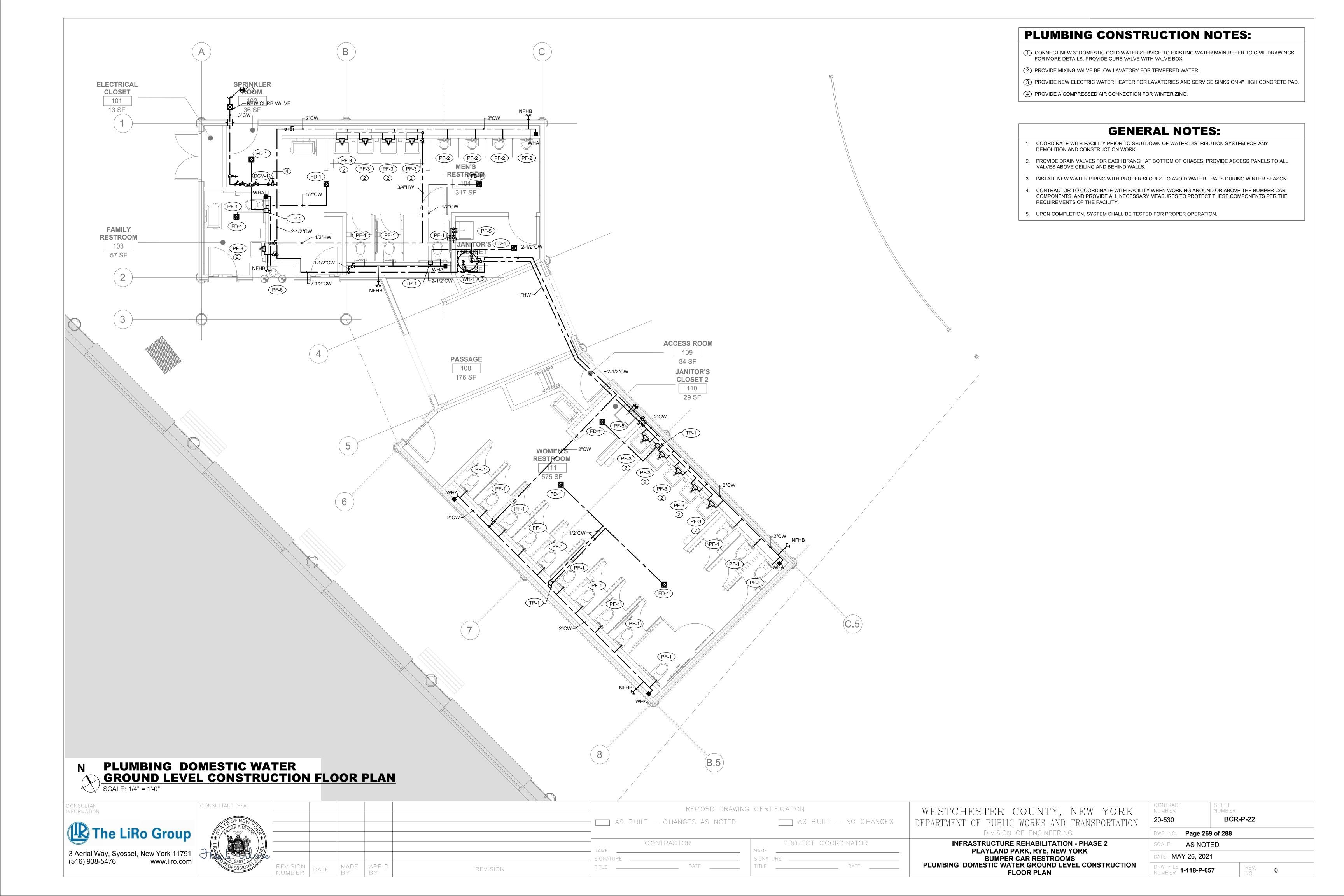
# **PLUMBING DEMOLITION NOTES:**

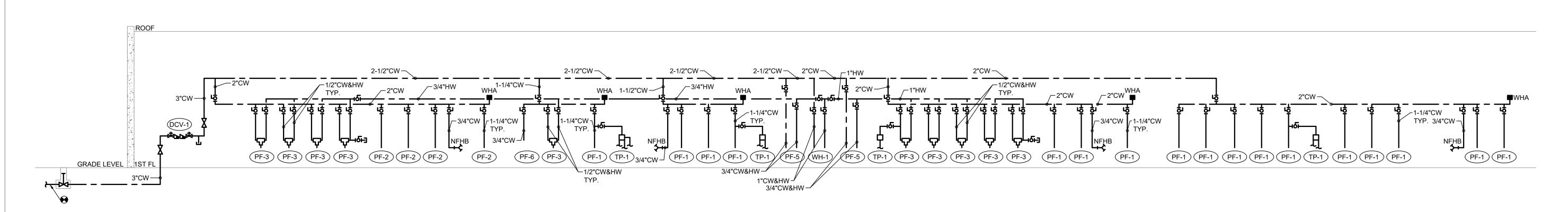
- (1) CONTRACTOR CUT AND CAP UNDERGROUND EXISTING SANITARY SERVICE 5 FEET FROM AREA OF WORK. FOR CONTINUATION AND MORE DETAILS REFER TO CIVIL DRAWINGS.
- (2) CONTRACTOR CUT AND CAP ABOVE GROUND EXISTING 2" DOMESTIC WATER SERVICE OUTSIDE OF AREA OF WORK. PROTECT EXISTING WATER SERVICE TO OTHER STRUCTURES DURING DEMOLITION.
- 3 DISCONNECT AND REMOVE EXISTING WATER CLOSET WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS (TYPICAL FOR ALL).
- 4 DISCONNECT AND REMOVE EXISTING SERVICE SINK WITH ALL ASSOCIATED PIPING SUPPORTS AND TRIMS (TYPICAL FOR ALL).
- 5 DISCONNECT AND REMOVE EXISTING LAVATORY WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS (TYPICAL FOR ALL).
- 6 DISCONNECT AND REMOVE EXISTING URINAL WITH ALL ASSOCIATED PIPING, SUPPORTS AND TRIMS (TYPICAL FOR ALL).
- 7 REMOVE ALL EXISTING DOMESTIC COLD WATER PIPING (TYPICAL).
- (8) REMOVE ALL EXISTING BELOW AND ABOVE GROUND SANITARY AND VENT PIPING (TYPICAL).

# **GENERAL NOTES:**

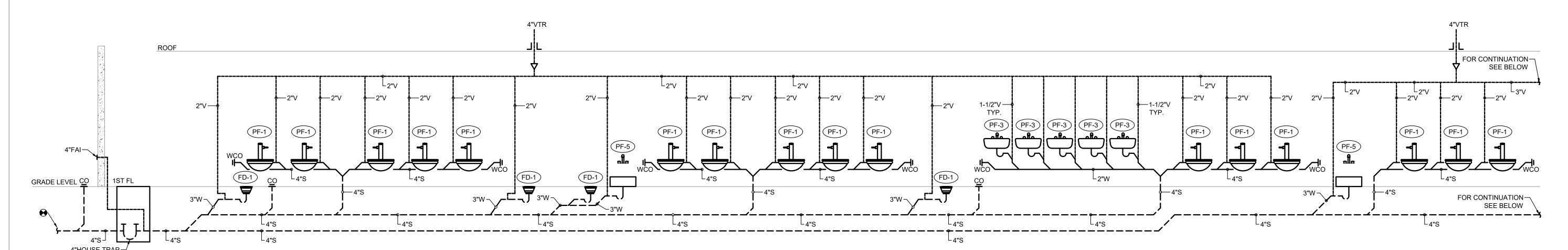
- 1. ALL EXISTING PIPING ARE SHOWN AS A REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES FOR ALL EXISTING SERVICES PRIOR TO DEMOLITION.
- 2. COORDINATE WITH FACILITY PRIOR TO SHUTDOWN OF DOMESTIC WATER SYSTEM FOR ANY DEMOLITION AND CONSTRUCTION WORK.



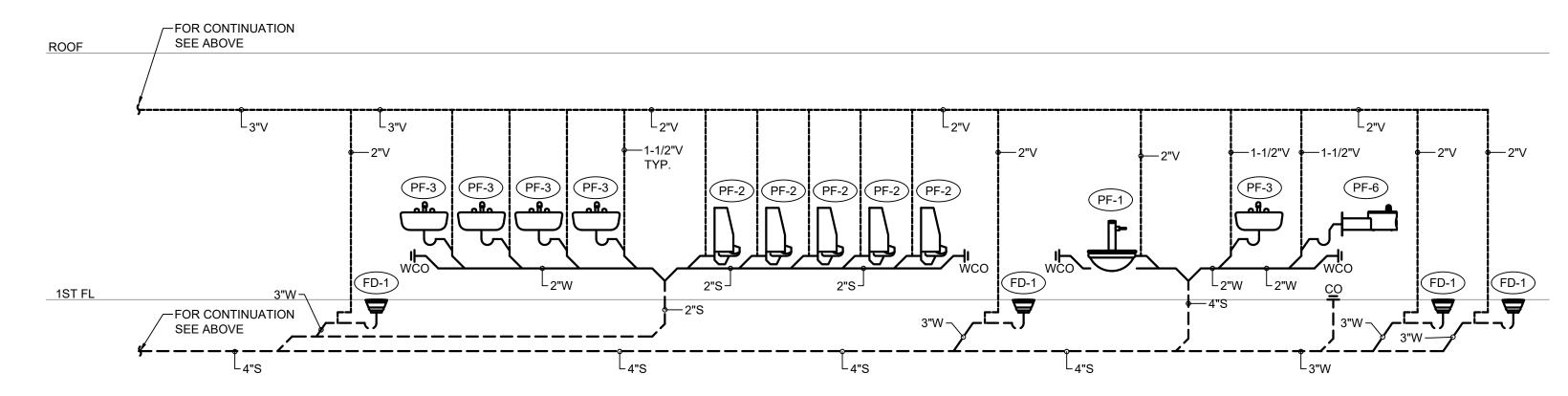




1 DOMESTIC WATER RISER DIAGRAM
P-61 SCALE: NOT TO SCALE



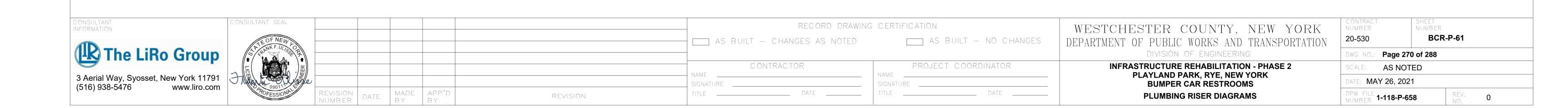
2 SANITARY RISER DIAGRAM (PART I)
P-61 SCALE: NOT TO SCALE

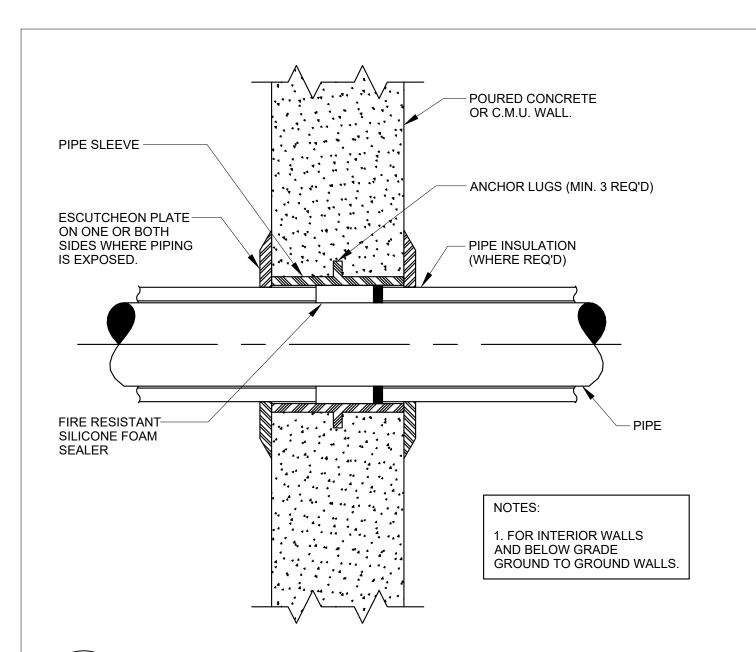


3 SANITARY RISER DIAGRAM (PART II)
P-61 SCALE: NOT TO SCALE

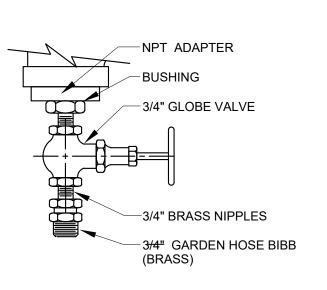
# **GENERAL NOTES:**

- SANITARY AND DOMESTIC WATER RISER DIAGRAM IS PROVIDED AS A SCHEMATIC AID DELINEATING PROJECT SCOPE. CONTRACTOR SHALL FIELD-VERIFY CONDITIONS AND COMPLY WITH ALL PLUMBING REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE.
- 2. ALL DOMESTIC WATER AND SANITARY PIPING SHALL BE IN FULL CONFORMANCE WITH THE NEW YORK STATE PLUMBING CODE.
- 3. PROVIDE AN AIR CHAMBER AT LEAST THE SIZE OF THE SUPPLY PIPE AT THE TOP OF EACH HOT AND COLD WATER RISER.
- 4. PROVIDE ALL REQUIRED OFFSETS, FITTINGS, VALVES, TRAPS, DRAINS, ETC., EVEN THOUGH TROUGH NOT INDICATED DUE TO SMALL SCALE OF THE DRAWING.
- 5. CHECK DRAWINGS OF OTHER TRADES AND ARRANGE WORK TO AVOID CONFLICTS.
- 6. USE REDUCING FITTINGS FOR CHANGES OF PIPE SIZE. USE NO BUSHING EXCEPT WITH SPECIAL PERMISSION.
- 7. PROVIDE CONTROL GATE VALVES WHERE NOTED OR REQUIRED FOR COMPLETE REGULATING CONTROL OF ALL SYSTEM, PLUMBING FIXTURES, AND EQUIPMENT. VALVES: ACCESSIBLE BUT NO VALVES INSTALLED WITH HANDLES POINTING DOWN.
- 8. PROVIDE DRAIN VALVES FOR EACH BRANCH AT BOTTOM OF CHASES. PROVIDE ACCESS PANELS TO ALL VALVES ABOVE CEILING AND BEHIND WALLS.
- 9. INSTALL NEW WATER PIPING WITH PROPER SLOPES TO AVOID WATER TRAPS DURING WINTER SEASON.

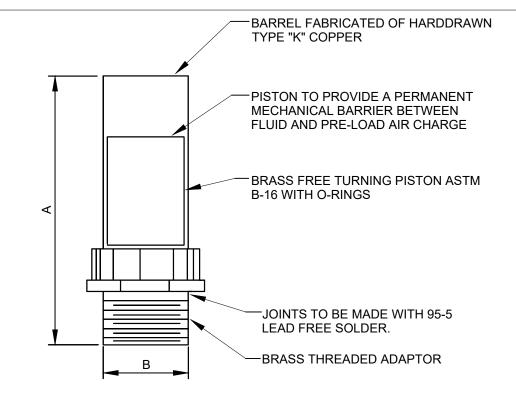








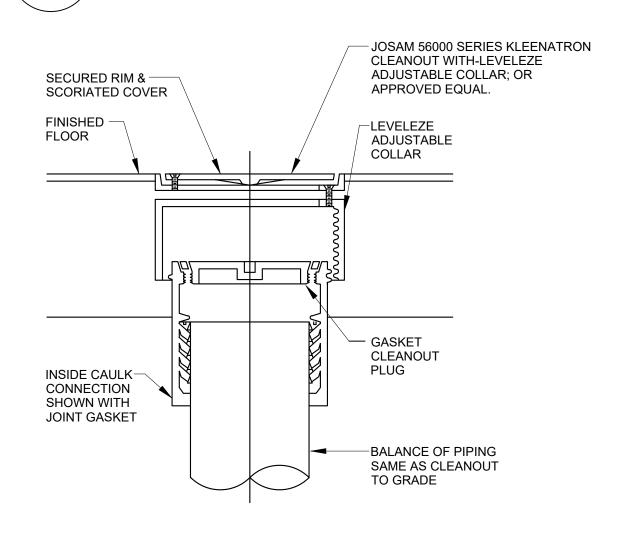
**DRAIN VALVE DETAIL** P-81 SCALE: NOT TO SCALE



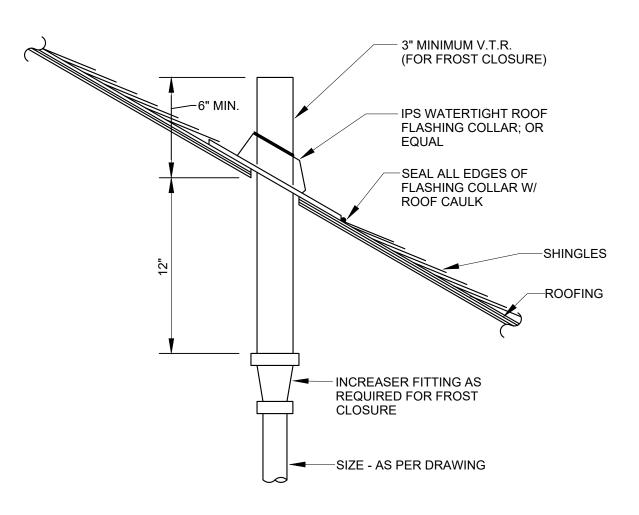
PPP SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE		
1/2"	Α	1 - 11	5"	1/2"		
3/4"	В	12 - 32	5"	3/4"		
1"	С	33 - 60	7"	1"		
1-1/4"	D	61 - 113	7"	1-1/4"		
1-1/2"	Е	114 - 154	9"	1-1/2"		
2" F 155 - 330 9" 2"						
NOTE: SEE WATER RISER DIAGRAMS FOR LOCATIONS						

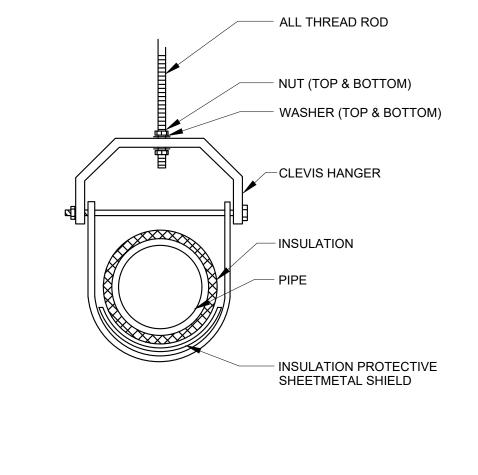
OF WATER HAMMER ARRESTORS.

# **WATER HAMMER ARRESTOR DETAIL** P-81 / SCALE: NOT TO SCALE

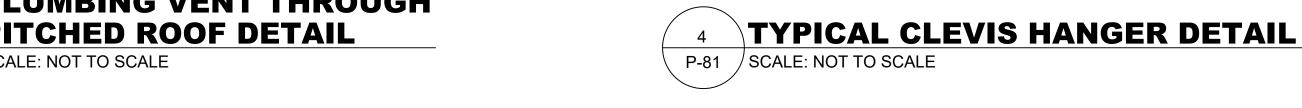


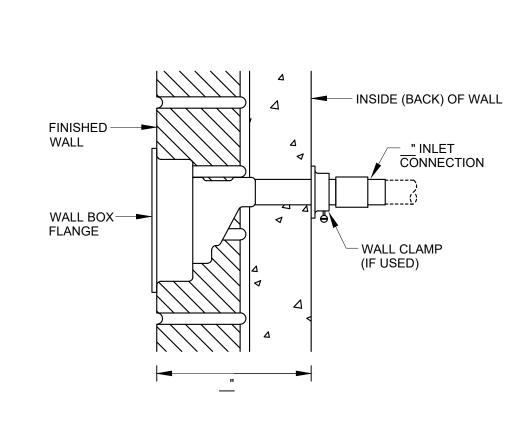


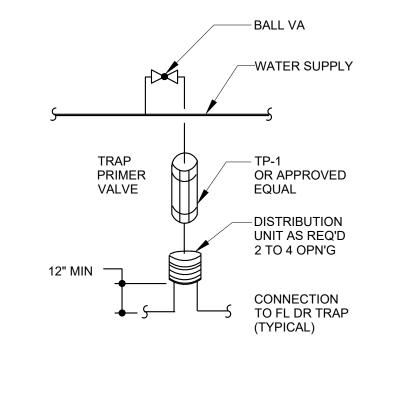


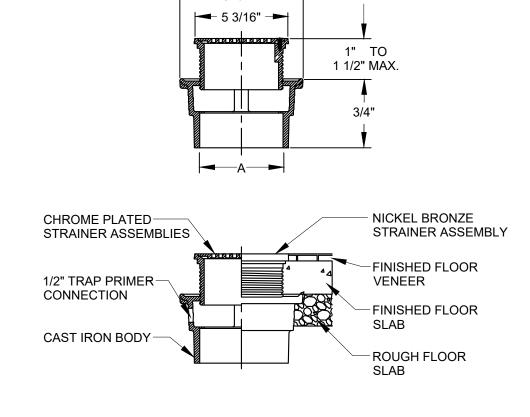


# PLUMBING VENT THROUGH **PITCHED ROOF DETAIL** P-81 / SCALE: NOT TO SCALE









FREEZE PROOF WALL HYDRANT P-81 SCALE: NOT TO SCALE









JLTANT SEAL		
OF NEW		
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						NAME
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	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	TITLE

RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED CONTRACTOR

\_\_\_\_ AS BUILT — NO CHANGES PROJECT COORDINATOR SIGNATURE \_\_\_\_\_

SHEET NUMBER WESTCHESTER COUNTY, NEW YORK NUMBER DEPARTM

MENT OF PUBLIC WORKS AND TRANSPORTATION	20-530	BCR-P-81
DIVISION OF ENGINEERING	DWG NO.: Page 271	of 288
INFRASTRUCTURE REHABILITATION - PHASE 2	SCALE: AS NOTE	:D
PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOMS	DATE: <b>MAY 26, 2021</b>	
PLUMBING DETAILS	DPW FILE 1-118-P-659	REV. 0

# MECHANICAL GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE PURCHASED AND INSTALLED IN ACCORDANCE WITH ALL NATIONAL & NEW YORK STATE CODES AND REGULATIONS (AS WELL AS ALL APPLICABLE LOCAL CODES & REGULATIONS). THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL HVAC WORK IS PROVIDED AND INSTALLED IN STRICT ACCORDANCE WITH SEISMIC REQUIREMENTS.
- DO NOT SCALE FROM THESE DRAWINGS.
- 3. THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL SYSTEMS. DURING SHOP DRAWINGS SUBMISSIONS, SHOW ALL MOUNTING HEIGHTS OF DUCTWORK, UNITS, ETC.
- VERIFY ALL EQUIPMENT VOLTAGES WITH THE ELECTRICAL DESIGN PRIOR TO ORDERING EQUIPMENT.
- PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.
- DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET STEEL IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE ASHRAE, NFPA, AND SMACNA GUIDE RECOMMENDATIONS. ALL DUCTS TO HAVE PITTSBURGH TYPE LOCK FOR LONGITUDINAL SEAMS AND DRIVE SLIP / "S" SLIP FOR TRANSVERSE JOINTS. "DUCT-MATE" JOINT SYSTEM IS ACCEPTABLE IN LIEU OF PRIOR SEAM SYSTEMS. SIZES AS SHOWN INDICATE INSIDE CLEAR DIMENSIONS OF THE AIR PASSAGE. DUCTWORK SHALL BE FULLY INSULATED AS PER APPLICABLE CODES AND WRITTEN SPECIFICATIONS.
- DUCT SIZES MUST BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE CONSTRUCTION AS LONG AS EFFECTIVE CROSS-SECTIONAL AREA IS MAINTAINED. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH A SLOPE OF 1" TO 4". ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE REVIEWED BY ENGINEER DURING THE SHOP DRAWING PROCESS.
- PROVIDE MANUAL BALANCING DAMPERS AS REQUIRED TO PROPERLY BALANCE EACH INDIVIDUAL AIR DISTRIBUTION SYSTEM. IF THE LOCATION OF THE BALANCING DAMPER IS NOT DEFINED ON THE DRAWINGS, THE FOLLOWING MINIMUMS STANDARDS SHALL GOVERN. ALL SUPPLY, RETURN, AND EXHAUST MAIN BRANCHES FROM TRUNKS, EACH SPLIT AND ALL SUB- BRANCHES FROM MAIN SHALL INCORPORATE BALANCING DAMPERS.
- PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTORS SHALL BE INSTALLED IN CLOSE PROXIMITY TO SUCH EQUIPMENT.
- 10. PROVIDE FIRE DAMPERS WITH RATED ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS, SMOKE AND FIRE STOPPING, SHAFT, FLOORS, RATED CEILINGS AND PARTITIONS AS REQUIRED TO MAINTAIN ARCHITECTURAL FIRE RATINGS. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR LOCATIONS AND FIRE RATING REQUIREMENTS. MC MUST FULLY REVIEW ALL ARCHITECTURAL AND ENGINEERING DRAWINGS AND VISIT THE SITE PRIOR TO SUBMITTING THE BID. NO EXTRAS WILL BE ALLOWED.
- 11. ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE HVAC CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE HVAC CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
- 12. ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND NEOPRENE-IN-SHEAR HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.
- 13. THE CONTRACTOR MUST CONTRACT AN INDEPENDENT NEBB CERTIFIED AIR BALANCING & TESTING COMPANY TO PERFORM THE AIR BALANCING WORK AND ASSOCIATED SYSTEM AIR BALANCING REPORT. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES, REGULATIONS. PLANS AND WRITTEN SPECIFICATIONS. SUBMIT THE FINAL AIR BALANCE REPORT TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, AS DETERMINED BY THE G.C. AND  $\mid$ OWNER/CLIENT. THE AIR BALANCE REPORT MUST INCLUDE ALL SUPPLY, RETURN. & EXHAUST AIR TERMINALS, FRESH AIR (OUTSIDE AIR) INTAKE AND VENTILATION EXHAUST CFM RATES FOR ALL UNITS. ALSO INCLUDE ACTUAL SUPPLY & RETURN AIR VELOCITY & STATIC PRESSURE READINGS ALONG WITH ALL MOTOR AMPERAGES FOR ALL UNITS.
- 14. THE CONTRACTOR IS TO INCLUDE IN THEIR BID ALL LOW VOLTAGE CONTROL WIRING, THERMOSTATS, RELAYS, TRANSFORMERS, STARTERS ETC FOR A COMPLETE OPERATING CONTROL SYSTEM AS DESCRIBED IN THE SEQUENCE OF OPERATIONS. (MC) IS ALSO RESPONSIBLE FOR LINE VOLTAGE CONTROL FOR EXHAUST FANS CONTROLLED FROM LIGHT SWITCH AND THERMOSTATS. ALL CONTROL WIRING IN THE AREAS THAT DO NOT HAVE DROPPED CEILINGS THE (MC) MUST PROVIDE ALL CONTROL WIRING CONDUIT. IN AREAS OF DROPPED CEILING PLENUM RATED CONTROL WIRING CAN BE RUN EXPOSED ABOVE
- 15. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

# **CODE REFERENCE**

2. ALL MAKE UP AIR PROVIDED BY WINDOW OPENINGS. RESTROOM IS SEASONAL.

2020 NEW YORK STATE BUILDING CODE

2020 NEW YORK STATE MECHANICAL CODE 2020 NEW YORK STATE ENERGY CONSERVATION CODE

# **MECHANICAL DEMOLITION NOTES**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF MECHANICAL EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.

2. THE CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE, ADJUST, ADAPT AND MODIFY EXISTING EQUIPMENT AND/OR SYSTEMS AS REQUIRED WHEN SUCH WORK IS UNCOVERED AND FOUND TO INTERFERE WITH COMPLETION OF WORK IN THIS CONTRACT OR OTHER CONTRACT WORK.

3. EXECUTE THE DEMOLITION IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.

4. TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING BY WETTING DEMOLISHED DEBRIS. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.

5. PRIOR TO DEMOLITION, CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED, SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.

6. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE.

7. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED. PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.

9. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY.

10. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.

11. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.

12. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS.

13. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.

14. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE

WITH OSHA RULES AND REGULATIONS. 14. USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH

GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

15. FIELD VERIFY DEMOLITION REQUIREMENTS AND EXISTING CONDITIONS, DEMOLITION NOTES ARE INDICATED IN NOTE FORM.

16. CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE, AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEPT CLEAN AT ALL TIMES.

17. CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

# COMMISSIONING/ACCEPTANCE **PROCEDURES:**

THE FOLLOWING ARE INCLUDED IN THE PROJECT SCOPE OF WORK:

PRIOR THE ACCEPTING OF ANY PROJECT THE FOLLOWING DOCUMENTATION MUST BE SUBMITTED BY THE G.C. AND/OR THE M.C. FOR DISTRIBUTION FOR ENGINEER

- A. LETTER STATING THAT ALL OWNER MEP PUNCH LIST ITEMS HAVE BEEN CORRECTED. LETTER TO INCLUDE ALL PUNCH LIST SIGNED BY ARCHITECT
- SUB-CONTRACTORS INDICATING COMPLETION.
- B. TEST REPORTS. AS BUILT DRAWINGS FOR ALL TRADES. D. O & M MANUALS FOR ALL TRADES INCLUDING:
- 1. DESCRIPTIVE LITERATURE FOR EQUIPMENT AND COMPONENTS.
- 2. MODEL NUMBER AND PERFORMANCE DATA.
- 3. INSTALLATION AND OPERATING INSTRUCTIONS. 4. MAINTENANCE AND REPAIR INSTRUCTIONS.
- SPARE PART LIST. 6. PHONE NUMBER AND PERSON'S NAME (IF POSSIBLE) OF MANUFACTURER.

7. NUMBER OF MANUALS PER PROJECT MANAGER'S RÉQUEST.

1. ALL CONTROLS ALARMS, CONNECTED TO ALL HVAC UNITS AND

- E. BALANCING REPORTS.
- VALVE CHARTS. EQUIPMENT WARRANTIES.
- H. EQUIPMENT TRAINING CERTIFICATIONS (IF APPLICABLE).
- EQUIPMENT/DEVICES LABEL LIST. J. TRAINING OPERATIONAL DEMONSTRATION.

THE DEMONSTRATIONS INCLUDE:

K. SIGN-OFF FORMS (FINAL).

# **SCOPE OF WORK**

REMOVE EXISTING EXHAUST FANS AND ASSOCIATED DUCTWORK, CONTROLS AND ACCESSORIES.

# CONSTRUCTION

- 2. PROVIDE TWO (2) NEW TOILET EXHAUST FANS AND ASSOCIATED DUCTWORK TO TOILETS AND SIMILAR ROOMS.
- 3. PROVIDE TWO (2) NEW EXHAUST LOUVERS ASSOCIATED WITH FANS. PROVIDE NEW ÈLECTRIC UNIT HEATERS AS INDICATED.

<u>===::::::=::</u>	<u>= == = =                             </u>			
5	NEW DUCTWORK OR PIPING			
5///////5	EXISTING DUCTWORK OR PIPING TO BE REMOVED			
2	EXISTING DUCTWORK OR PIPING TO REMAIN			
2//2	HEAT TRACE PIPE			
24X12 \$ 24X12 \$ 24X12	DOUBLE-LINE AND SINGLE-LINE RECTANGULAR DUCT, FIRST NUMBER INDICATES SIDE IN VIEW IN INCHES, SECOND NUMBER INDICATES SIDE IN DEPTH IN INCHES			
www	FLEXIBLE DUCTWORK			
	REGULAR SUPPLY AIR DUCT (UP AND DOWN)			
	REGULAR RETURN AIR DUCT (UP AND DOWN)			
	REGULAR EXHAUST AIR DUCT (UP AND DOWN)			
	REGULAR OUTSIDE AIR DUCT (UP AND DOWN)			
→VD	VOLUME DAMPER			
——— BD	BACKDRAFT DAMPER			
- <del></del>	MOTOR OPERATED DAMPER			
XXX	— EQUIPMENT TAG — EQUIPMENT NUMBER			
XXX X-XXX	DETAIL TAG/CALL OUT TAG     MECHANICAL SHEET NUMBER			
T	THERMOSTAT			
	EXHAUST GRILLE			
F#)	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)			
HVAC AI	BBREVIATIONS			

**HVAC SYMBOL LIST** 

DESCRIPTION

<u>IDENTIFIER</u>

# I RVAC ADDREVIATIONS

	O ADDIKE VIA I IONO
<u>IDENTIFIER</u>	<u>DESCRIPTION</u>
AC	DIRECT EXPANSION AIR CONDITION UNIT
CFM	CUBIC FEET PER MINUTE
COND	CONDENSATE
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DB	DRY BULB
DN	DOWN
EA	EXHAUST AIR
EF	EXHAUST FAN
EG	EXHAUST GRILLE
UH	ELECTRIC UNIT HEATER
EER	ENERGY EFFICIENCY RATIO
EG	EXHAUST GRILLE
FAI	FRESH AIR INTAKE
GC	GENERAL CONTRACTOR
MBH	THOUSAND BTU PER HOUR
PC	PLUMBING CONTRACTOR
RG	RETURN GRILLE
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SD	SUPPLY DIFFUSER
TYP.	TYPICAL
VIF	VERIFY IN FIELD

SPACE DETAILS		MECH CODE REQUIREMENTS (2)							DESIGN			
ROOM	AREA (FT²)	# PEOPLE	OA / SQ FT	OA PER PERSON	NET OA	# OF FIXT (TOILET/URINALS/ SLOP SINK)	CFM/FIXTURE	NET EA	DESIGN OA FLOW (CFM)	ACTUAL SA FLOW (CFM)	ACTUAL RA FLOW (CFM)	ACTUAL EA FLOW (CFM)
ELECTRICAL CLOSET	13	0	0	0	0	0	0	0				-
SPRINKLER ROOM	36	0	0	0	0	0	0	0	3 <b>.</b>			-
FAMILY RESTROOM	57	0	0	0	0	1	50	75	75	75	==	75
MENS RESTROOM	317	0	0	0	0	7	50	350	550	550		550
JANITORS CLOSET	57	0	0	0	0	1	50	50	50	50		50
ACCESS ROOM	34	0	0	0	0	0	0	0	-	¥		-
WOMENS RESTROOM	575	0	0	0	0	13	50	650	1000	1000		1000
JANITORS CLOSET	29	0	0	0	0	1	50	50	75	75		75

IFORMATION 3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com

1. NEW YORK STATE MECHANICAL CODE

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RECORD DRAWING CERTIFICATION AS BUILT - NO CHANGES AS BUILT — CHANGES AS NOTED CONTRACTOR PROJECT COORDINATOR NAME

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 2** PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOMS MECHANICAL NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING

WESTCHESTER COUNTY, NEW YORK NUMBER NUMBER BCR-M-01 20-530 DWG NO.: **Page 272 of 288** AS NOTED MAY 26, 2021 1-118-M-660

# ELEC. CLOSET MENS WOMENS WOMENS WOMENS WOMENS

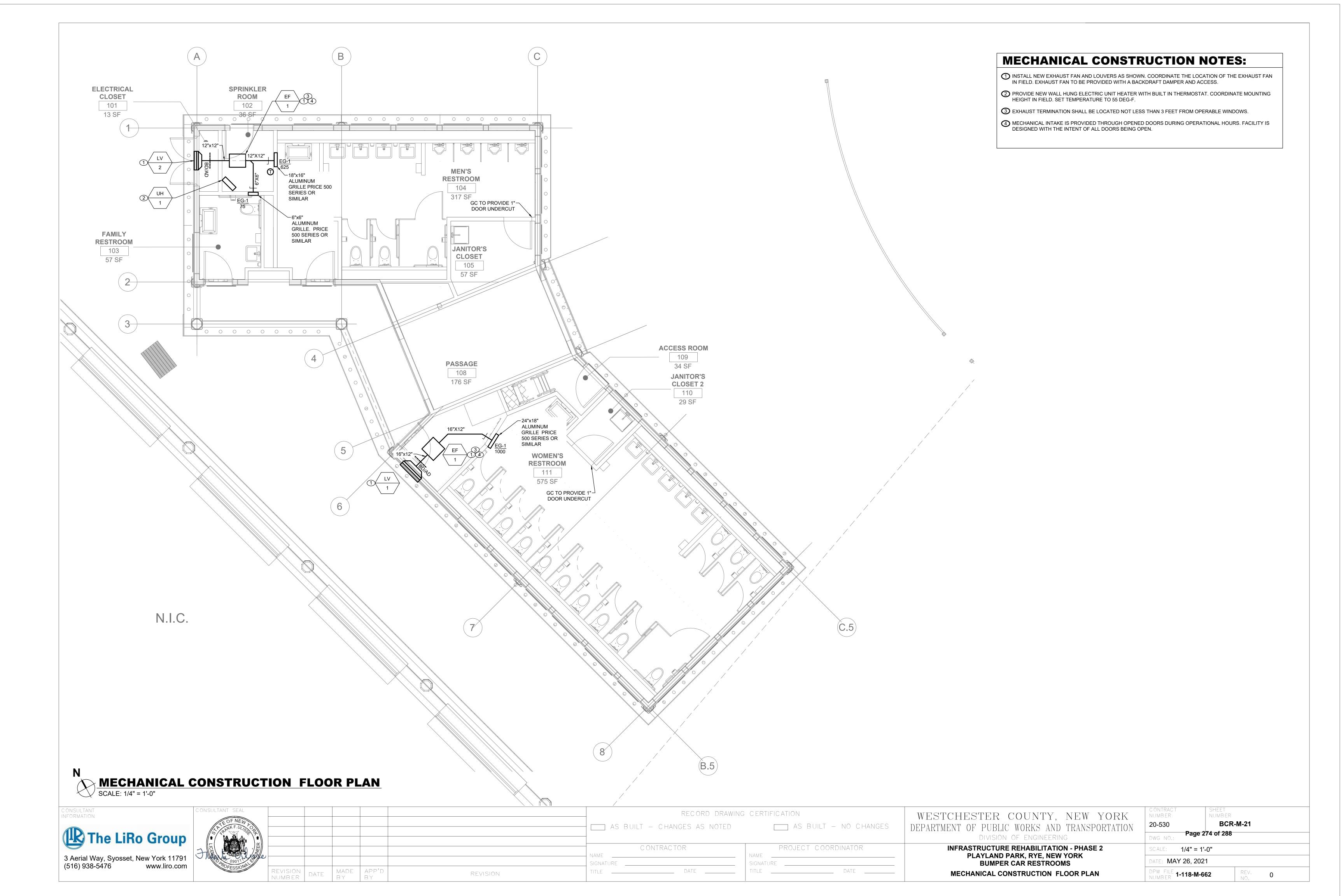
# MECHANICAL ARENA RESTROOM DEMOLITION PLAN SCALE: 1/4" = 1'-0"

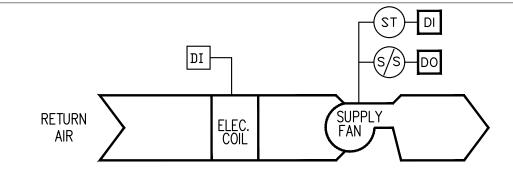
CONSULTANT	E OF NEW		RECORD DRAWING		WESTCHESTER COUNTY, NEW YORK	CONTRACT NUMBER  20-530  SHEET NUMBER  BCR-M-11	
The LiRo Group	THE REPORT OF THE PROPERTY OF			AS BUILT — CHANGES AS NOTED	AS BUILT — NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	Page 273 of 288
	JE JE			CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK	SCALE: 1/4" = 1'-0"
3 Aerial Way, Syosset, New York 11791 (516) 938-5476 www.liro.com	POFESSIONAL			SIGNATURE	SIGNATURE	BUMPER CAR RESTROOMS	DATE: <b>MAY 26, 2021</b>
	V E3310	REVISION DATE BY BY	REVISION	TITLE DATE	TITLE DATE	MECHANICAL ARENA RESTROOM DEMOLITION PLAN	DPW FILE <b>1-118-M-661</b> REV. 0

**MECHANICAL DEMOLITION NOTES:** 

1 DEMOLISH EXISTING WALL MOUNTED PROPELLER FAN.

② DEMOLISH EXISTING EXHAUST LOUVER AND ASSOCIATED SLEEVE.





# UNIT HEATER - ELECTRIC - SEQUENCE OF OPERATIONS:

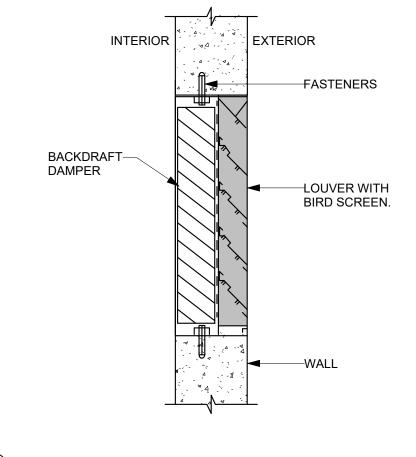
# OCCUPIED MODE:

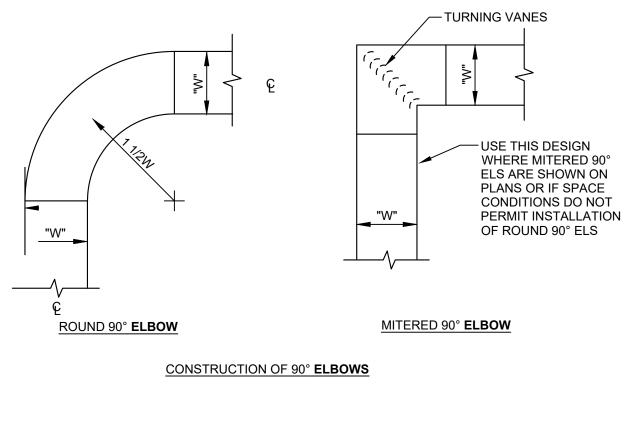
- a. ON DROP IN SPACE TEMPERATURE BELOW OCCUPIED HEATING SETPOINT, CYCLE THE FAN ON AND MODULATE (2 STAGE) ELECTRIC COIL TO MAINTAIN SPACE OCCUPIED SETPOINT, FAN SHALL HAVE DELAYED SHUT OFF AFTER VALVE CLOSES. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
- 2. UNOCCUPIED MODE:
- a. ON DROP IN SPACE TEMPERATURE BELOW UNOCCUPIED HEATING SETPOINT, CYCLE THE FAN OFF AND POWER OFF ELECTRIC COIL. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
- 4. SAFETIES:

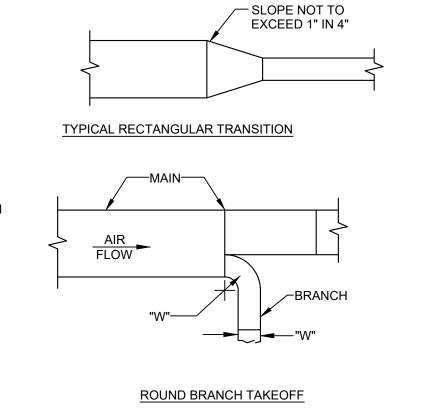
DUCTWORK-

FLEXIBLE CONNECTION -

a. PROVIDE CURRENT SENSOR TO SENSE THE STATUS OF THE FANS. WHEN FAN MOTOR AMP DRAW IS OUT OF NORMAL RANGE, GENERATE AN ALARM AT THE OWS.

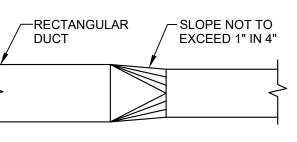




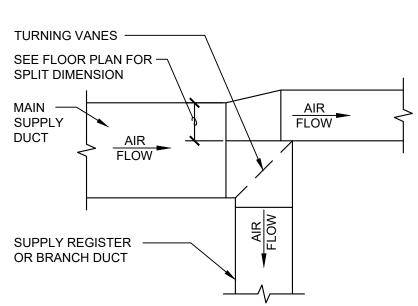


FLOW

BRANCH DUCT TAKEOFF

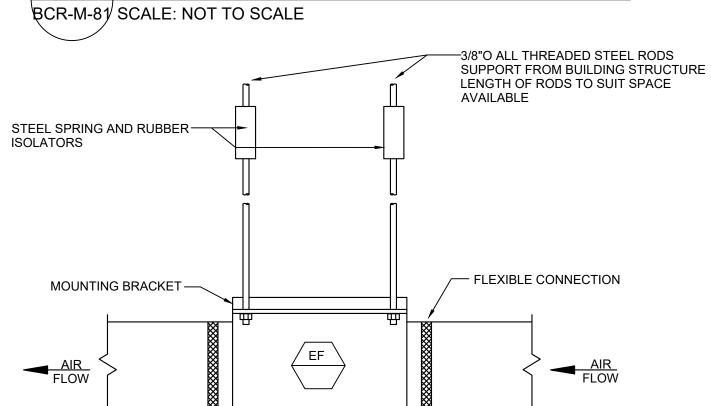


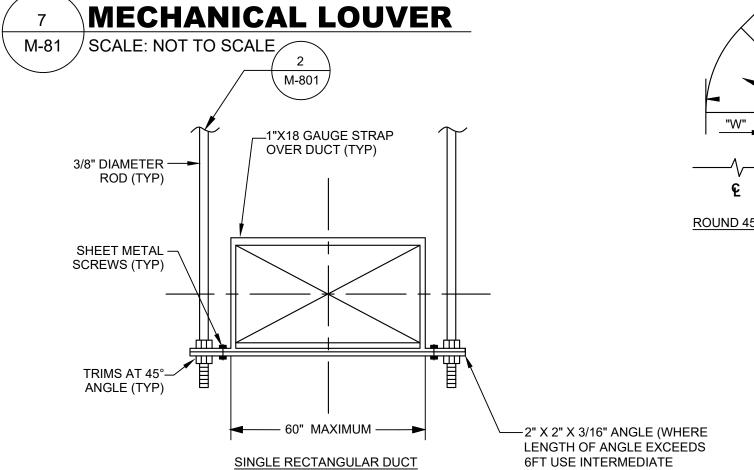
TYPICAL RECTANGULAR TO ROUND TRANSITION



# **SQUARE BRANCH TAKEOFF**

# **Unit Heater - Electric**





# ROUND 45° ELBOW

WHERE MITERED 45° **ELBOWS ARE SHOWN** ON PLANS OR IF SPACE CONDITIONS DO NOT PERMIT INSTALLATION OF ROUND 45° ELS MITERED 45° **ELBOW** 

USE THIS DESIGN

CONSTRUCTION OF TAKEOFFS

- MAIN SUPPLY

DUCT

# CONSTRUCTION OF 45° ELBOWS

TURNING VANES-

**ENSURE SPEC INDICATES THAT:** ALL DUCT TRANSITIONS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.

ALL DUCTS SHALL BE CONSTRUCTED AND ERECTED IN A NEAT AND WORKABLE MANNER.

THE DIMENSION SHOWN FOR ALL DUCTS SHOWN IN PLAN GIVE THE WIDTH FIRST AND THEN THE HEIGHT. \*\*ALSO AND/OR ONLY PUT THIS ON 001-SHEET\*\*

1/4 W —

OR 4" MIN

VANES SHORTER THAN 36" SHALL BE SINGLE WALL, WITH A 2" RADIUS AND 1 1/2" SPACING. VANES LARGER THAN 36" AND SHORTER THAN 48" SHALL BE DOUBLE WALL, WITH A 2" OUTER RADIUS, 1" INNER RADIUS, AND 2 1/8" SPACING. VANES LONGER THAN 48" SHALL BE DOUBLE WALL, WITH A 4 1/2" OUTER RADIUS, 2 1/4" INNER RADIUS, AND 3 1/4" SPACING. NO TURNING VANES SHALL INCLUDE A TRAILING EDGE.

FOR SQUARE 90 DEG ELBOWS, IF INLET AND OUTLET DIMENSIONS ARE NOT THE SAME, PROVISIONS MUST BE MADE SO THAT VANE EDGES PROJECT TANGENTS PARALLEL TO DUCT SIDES, VANES AS USED WHEN INLET AND OUTLET DIMENSIONS ARE IDENTICAL ARE NOT ACCEPTABLE ON SIZE CHANGE ELBOWS WITHOUT MODIFICATION.

# MECHANICAL FAN HANGING DETAIL M-81 / SCALE: NOT TO SCALE

3. PROVIDE T-BAR FRAME MOUNTING KIT FOR CEILING MOUNTED HEATER TO ENABLE MOUNTING IN A STANDARD 2 FT X 2 FT CEILING GRID.



### **ELECTRIC UNIT HEATER SCHEDULE** MANUFACTURER MODEL SERVICE TYPE KW V-PH-HZ ELECTRIC UH-1 UHEC UHEC-031A0C0 SPRINKLER RM 3.0 208-1-60 NOTES: I. PROVIDE ALL CONTACTS, RELAYS, AND DEVICES NECESSARY FOR BMS CONTROL OF UNIT HEATERS PER SEQUENCE OF OPERATIONS. 2. PROVIDE STAINLESS STEEL WALL AND CEILING SWIVEL TYPE MOUNTING BRACKET FOR CORROSION RESISTANT HEATERS.

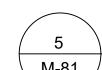
- DUCTWORK

	LOUVER SCHEDULE									
TAG	MANUFACTURER	MODEL	SERVICE	LOCATION	MATERIAL	FINISH TYPE	WIDTH (INCH)	HEIGHT (INCH)	PRESSURE DROP (IN. WG)	MINIMUM FREE AREA (SQUARE FEET)
LV-1	GREENHECK	ESD-635	EXHAUST	WOMENS BATHROOM	ALUMINUM	BAKED ENAMEL	30	24	0.06	1.42
LV-2	GREENHECK	ESD-635	EXHAUST	MENS AND FAMILIY BATHROOM	ALUMINUM	BAKED ENAMEL	24	18	0.06	1.1

LOUVER SCHEDULE									
E WIDTI	DTH (INCH)	HEIGHT (INCH)	PRESSURE DROP (IN. WG)	MINIMUM FREE AREA (SQUARE FEET)					
EL	30	24	0.06	1.42					
EL	24	18	0.06	1.1					
EL		24	24 18	24 18 0.06					

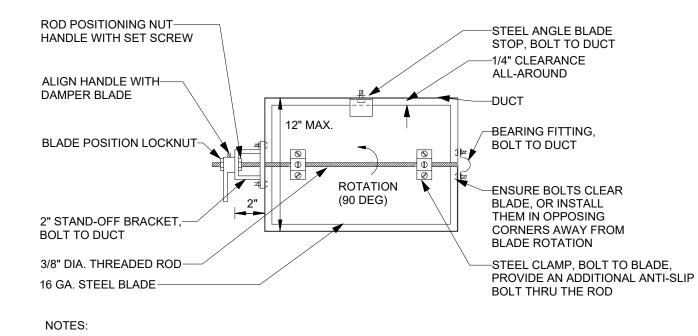
					FAN	SCHE	DULE								
TAG	AG MANUFACTURER	MODEL LO	LOCATION	SERVICE	TYPE	DRIVE	AIR FLOW (CFM)		ELECTRICAL				OPERATING	DIMENSIONS	NOTES
TAG			LOCATION						HP	ВНР	RPM	V-PH-HZ	WEIGHT (±LBS)	LxWxH (IN)	NOTES
EF-1	GREENHECK	SQ-130-VG	ROOF	WOMENS BATH RM EXH	INLINE	DIRECT	1000	0.50	0.25	0.18	1140	115-1-60	61	21X21X21	
EF-2	GREENHECK	SQ-100-VG	ROOF	MENS BATH RM EXH	INLINE	DIRECT	700	0.50	0.25	0.10	1276	115-1-60	45	17X21X17	

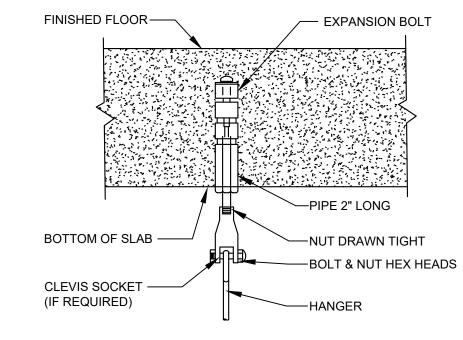
NOTES: 1. PROVIDE ALL CONTACTS, RELAYS, AND DEVICES NECESSARY FOR BMS CONTROL OF FANS PER SEQUENCE OF OPERATIONS. 2. PROVIDE PREMIUM EFFICIENCY MOTORS. 3. PROVIDE THERMAL OVERLOAD FOR ALL SINGLE PHASE MOTORS 4. PROVIDE SALT WATER RESISTANT HI-PRO POLYESTER COATING FOR ALL FANS. 7. PROVIDE FLEXIBLE DUCT CONNECTORS FOR THE INLET AND OUTLET OF THE FAN.



# MECHANICAL DUCT CONSTRUCTION DETAIL

M-81 / SCALE: NOT TO SCALE





- 1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE. 2. ENSURE THAT FULL 90 DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
- 3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS.

CONCRETE ANCHOR FOR HANGING PIPING OR **EQUIPMENT** 



MECHANICAL ANCHORING DETAIL M-81 / SCALE: NOT TO SCALE

VFORMATION 3 Aerial Way, Syosset, New York 11791

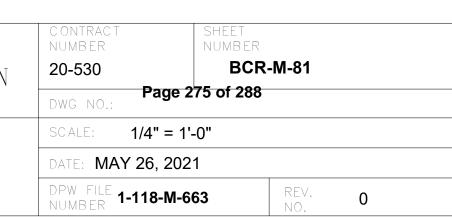
(516) 938-5476

8. PROVIDE HANGER RODS AND SPRING VIBRATION ISOLATORS FOR IN LINE FANS.							
SULTANT RMATION	CONSULTANT SEAL						
The LiRo Group	CS CANK F. ULS OF						AS
erial Way, Syosset, New York 11791	9011 Se						ame <u> </u>
6) 938-5476 www.liro.com	OFESSION	REVISION NUMBER DATE	MADE BY	APP'D BY	REVISION	TI	ITLE <u> </u>

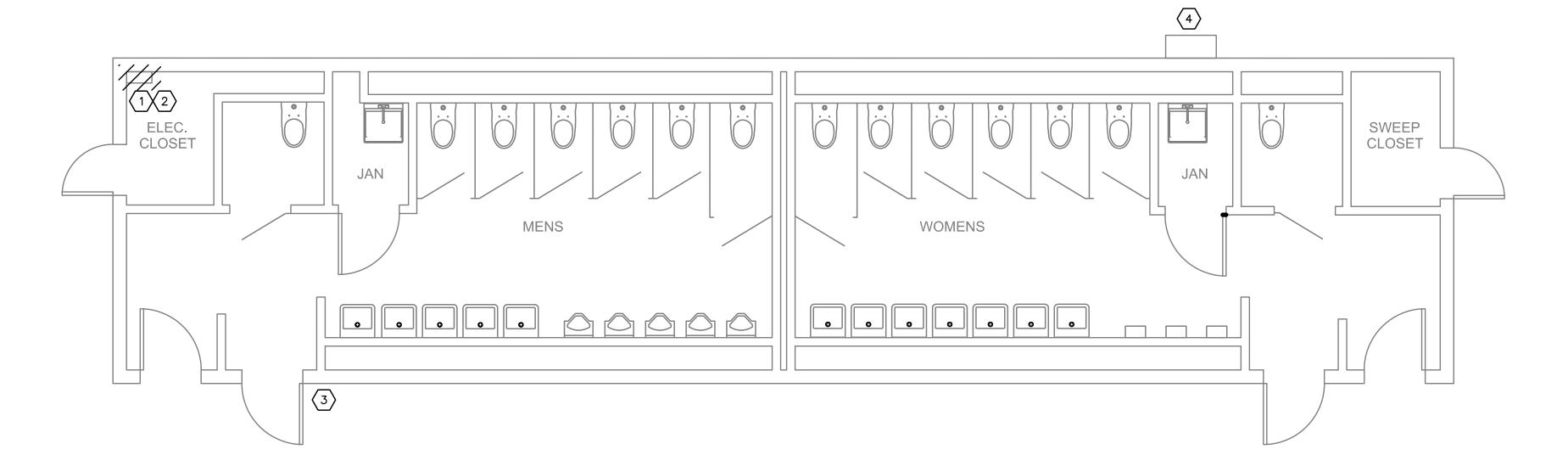
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MECHANICAL SCHEDULES & DETAILS







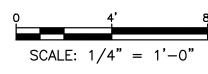
GROUND LEVEL ARENA RESTROOM DEMOLITION PLAN
1/4"=1'-0"

# NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. CONTRACTOR SHALL REMOVE ALL CONDUIT, WIRE, LIGHTING, RECEPTACLES, ETC., INCLUDING ALL EXTERIOR BUILDING LIGHTING. FOR BIDDING PURPOSES, ASSUME 1000 FEET OF CONDUIT, 20 LIGHT FIXTURES AND 20 RECEPTACLES.
- 3. FOR ADDITIONAL INFORMATION, REFER TO ARCHITECTURAL DRAWINGS.
- 4. CONTRACTOR IS ADVISED POWER FOR THIS BUILDING COMES FROM THE EXISTING SWITCHBOARD LOCATED IN QUAD 2 ELECTRICAL ROOM BUILDING. TRACE OUT EXISTING FEEDER. SEE DRAWING GE-E-02 FOR SITE LOCATION OF THE BUILDING.

#### KEY NOTES:

- 1 EXISTING 208Y/120V ELECTRICAL PANEL. DISCONNECT SWITCH AND ASSOCIATED WIRES AND CABLES TO BE DISCONNECTED AND REMOVED.
- (2) CONTRACTOR SHALL REMOVE EXISTING FEEDER WIRING BACK TO QUAD 2 ELECTRICAL ROOM BUILDING. REMOVE EXISTING CONDUIT TO 12" BELOW GRADE AND ABANDON IN PLACE. THIS APPLIES TO 4" SPARE CONDUIT, ADJACENT TO ELECTRICAL PANEL AS WELL.
- (3) CONTRACTOR SHALL CAREFULLY DISCONNECT, REMOVE AND RELOCATE THE EXISTING CAMERA AND ASSOCIATED JUNCTION BOX, CONDUIT, WIRES AND CABLES TO NEW LOCATION AS DIRECTED.
- EXISTING FIBER OPTICS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE NEW SUPPORT STRUCTURE FOR THE FIBER OPTICS CONNECTION BOX.



::	C ONSULTANT INFORMATION	CONSULTANT SEAL						RECORD DRAWI	NG CERTIFICATION		WESTCHESTER COUNTY, NEW YORK	C ONTRACT NUMBER	SHEET NUMBER
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by: N		BLUE MILLE					COI NAME	NTRACTOR	PROJEC	T COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK	SCALE: AS SHO	OWN
ed [_Ti	Savin Engineers, P.C.	086076					SIGNATURE		SIGNATURE		BUMPER CAR RESTROOM	DATE: MAY 26	6, 2021
Kev#: Print Xrefs:	Savin Engineers, F.C.	POFESSIONAL	REVISION DATE	E MADE APP'C By by	REV	SION	TITLE	DATE	TITLE	DATE	ARENA RESTROOM DEMOLITION PLAN	DPW FILE 1-118-	-E-664 REV. NO. 0

Projectname: 211001FO2 Comments: ———
d by: MGodby Date: 26 May 2021 8:49 AM Designed by: ———
[TB 24X36 WestchesterCo 3.dwa] [TSG-SVL0G0.dwa] [BCR-A-04.dwa] [BCRE-101.dwa

 FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.

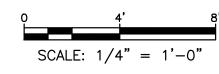
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CONSULTANT SEAL INFORMATION CONSULTANT SEAL	RECORD DRAWING	CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	CONTRACT NUMBER	SHEET NUMBER
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A STATE M			DIVISION OF ENGINEERING	DWG NO.: Page 2	277 of 288
	CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK	SCALE: AS SHO	WN
Savin Engineers PC 086076	SIGNATURE	SIGNATURE	BUMPER CAR RESTROOM	DATE: <b>MAY 26,</b>	, 2021
Savin Engineers, P.C.  REVISION NUMBER DATE MADE BY REVISION REVISION REVISION REVISION REVISION REVISION REVISION REVISION	TITLE DATE	TITLE DATE	ARENA RESTROOM PANEL SCHEDULE DEMOLITION	DPW FILE 1-118-E	REV. NO. 0

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. CONTRACTOR SHALL REMOVE ALL CONDUIT, WIRE, LIGHTING, RECEPTACLES, ETC., INCLUDING ALL EXTERIOR BUILDING LIGHTING. FOR BIDDING PURPOSES, ASSUME 2000 FEET OF CONDUIT, 20 LIGHT FIXTURES AND 50 RECEPTACLES.
- 3. FOR ADDITIONAL INFORMATION, REFER TO ARCHITECTURAL DRAWINGS.
- 4. CONTRACTOR IS ADVISED POWER FOR THIS BUILDING COMES FROM THE EXISTING PANEL LOCATED BETWEEN THE CAROUSEL AND BUMPER CARS. TRACE OUT EXISTING FEEDER CIRCUIT TO VERIFY BUMPER CARS RESTROOM BREAKER FEEDS THIS BUILDING.
- 5. SEE DRAWING GE-E-02 FOR SITE LOCATION OF OF THE BUILDING.

#### **KEY NOTES:**

- 1 EXISTING 208Y/120V ELECTRICAL PANEL. DISCONNECT SWITCH AND ASSOCIATED WIRES AND CABLES TO BE DISCONNECTED AND REMOVED.
- (2) CONTRACTOR SHALL REMOVE EXISTING FEEDER WIRING BACK TO EXISTING PANEL LOCATED BETWEEN CAROUSEL AND BUMPER CARS. REMOVE EXISTING CONDUIT TO 12" BELOW GRADE AND ABANDON IN PLACE.
- CONTRACTOR SHALL REMOVE EXISTING 80 AMP DISCONNECT SWITCH PROVIDE NEAR THE BUMPER CAR RESTROOM. TRACE OUT THE EXISTING FEEDER. REMOVE EXISTING CONDUIT TO 12" BELOW GRADE AND ABANDON IN PLACE.

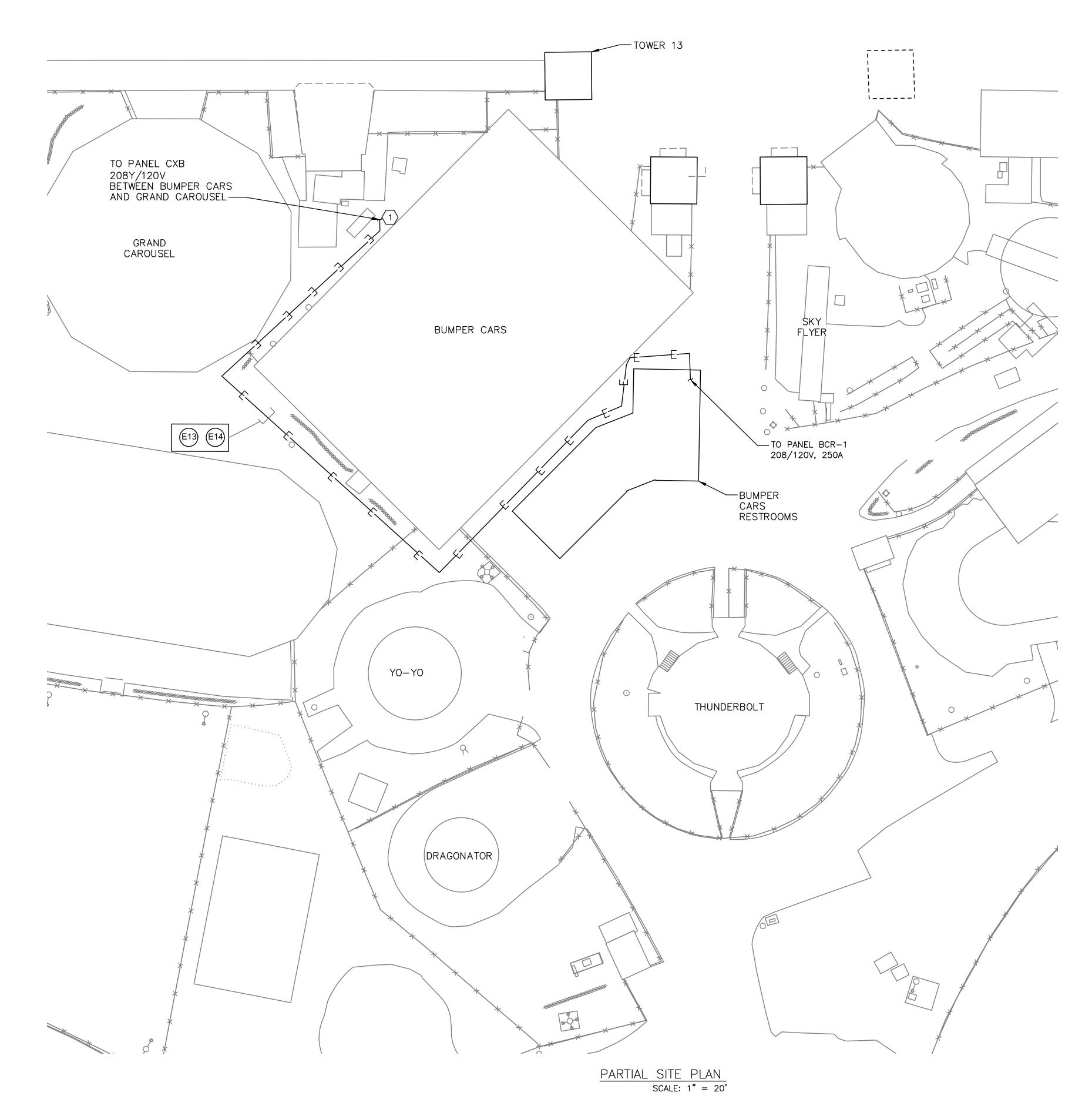


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 FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.

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				NAME	CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK	SCALE: AS SHO	OWN
Savin Engineers, P.C.	086076			SIGNATURE		SIGNATURE	BUMPER CAR RESTROOM	DATE: MAY 26	6, 2021
Davin Liigineers, F.O.	REVISION DATE	MADE APP'D BY BY	REVISION	TITLE	DATE	TITLE DATE	PANEL SCHEDULE DEMOLITION	DPW FILE 1-118-	-E-667 REV. NO. 0



- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. FOR PANEL SCHEDULE, SEE DWG BCR-E-10.

#### KEY NOTES:

CONTRACTOR SHALL FURNISH AND INSTALL NEW 250 AMP BREAKER IN PANEL LOCATED BETWEEN BUMPER CARS AND GRAND CAROUSEL. EXISTING PANEL IS MANUFACTURED BY GE A SERIES. PROVIDE NEW BREAKER TO MATCH THE EXISTING AIC RATING.

		DUCTBANK	SCHEE	ULE	
NAME	ТО	FROM	CONDUIT SIZE	CABLE	REMARKS
E13	PANEL BCR-1	PANEL BETWEEN BUMPER CAR AND CAROUSEL	3"C	4#400 , 1#4 GND	POWER
E14	PANEL BCR-1	PANEL BETWEEN BUMPER CAR AND CAROUSEL	3"C	PULL ROPE	SPARE

SCALE: 1" = 20'-0"





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TITLE \_\_\_\_\_ DATE \_\_\_\_



WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK BUMPER CAR RESTROOM SITE DUCT BANK PLAN

-	CONTRACT NUMBER	SHEET NUMBER
N	20-530	BCR-E-05
	DWG NO.: Page 28	0 of 288
	SCALE: AS SHOW	VN
	DATE: <b>MAY 26, 2</b>	2021
	DPW FILE NUMBER 1-118-E-	REV. 0

1/4"=1'-0"

#### NOTES:

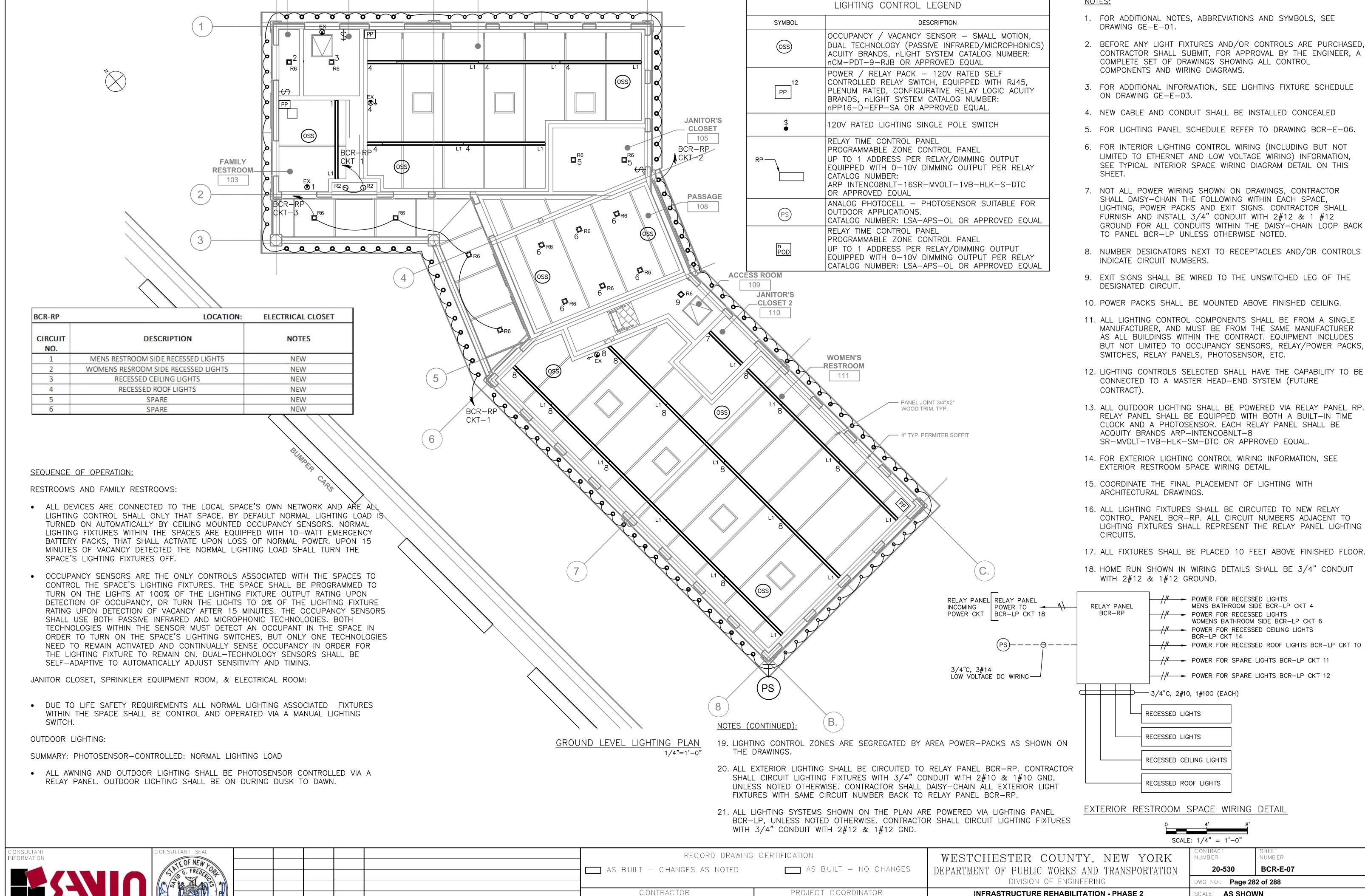
- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. NEW CABLE AND CONDUIT SHALL BE INSTALLED CONCEALED.
- 3. FOR LIGHTING/POWER PANEL SCHEDULE, REFER TO DRAWING
- 4. ALL RECEPTACLES SHALL BE WIRED BACK TO PANEL BCR-1.
- 5. NUMBER DESIGNATORS NEXT TO RECEPTACLES AND/OR CONTROLS INDICATE CIRCUIT NUMBERS.

#### KEY NOTES:

- EXISTING 208Y/120 VOLT 3-PHASE PANELWITH 250 AMP MAIN BREAKER. SEE DRAWING BCR-E-01 FOR INCOMING FEEDER INFORMATION.
- PROVIDE RELAY LIGHTING PANEL AND PROVIDE CABLE AND CONDUIT TO POWER PANEL LOCATED IN ELECTRICAL ROOM. POWER CIRCUITS TO RELAY PANEL FROM PANEL BCR-LP SHALL CONSIST OF SEVEN (7) 1" CONDUIT WITH 2#10 AND 1#10 GROUND EACH.
- PROVIDE 208Y/120 VOLT, 3-PHASE PANEL WITH 100 AMP MAINS AND 70 AMP MAIN BREAKER. SEE DRAWING BCR-E-01 FOR INCOMING FEEDER INFORMATION.

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

SHEET NUMBER RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK BCR-E-06 AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 20-530 DIVISION OF ENGINEERING DWG NO.: **Page 281 of 288** CONTRACTOR PROJECT COORDINATOR INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK SCALE: AS SHOWN MAY 26, 2021 Savin Engineers, P.C. **BUMPER CAR RESTROOM** REVISION NUMBER MADE **GROUND FLOOR POWER PLAN** 1-118-E-669 DATE REVISION



TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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TITLE \_\_\_\_\_ DATE \_\_\_\_\_

NOTES:

**INFRASTRUCTURE REHABILITATION - PHASE 2** 

PLAYLAND PARK, RYE, NEW YORK

**BUMPER CAR RESTROOM** 

**GROUND FLOOR LIGHTING PLAN** 

SCALE: **AS SHOWN** 

MAY 26, 2021

1-118-E-670

Savin Engineers, P.C.

**EVISION** 

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REVISION

- FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. FOR ADDITIONAL INFORMATION, REFER TO ARCHITECTURAL
- 3. SEE DRAWING GE-E-02 FOR SITE LOCATION OF THE BUILDING.

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

SHEET NUMBER RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK AS BUILT — NO CHANGES BCR-E-08 AS BUILT — CHANGES AS NOTED 20-530 DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION Savin Engineers, P.C. DIVISION OF ENGINEERING DWG NO.: **Page 283 of 288** INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK CONTRACTOR PROJECT COORDINATOR SCALE: **AS SHOWN** MAY 26, 2021 BUMPER CAR RESTROOM ROOF POWER PLAN TITLE \_\_\_\_\_ DATE \_\_\_\_ REVISION NUMBER MADE BY DPW FILE 1-118-E-671 DATE REVISION

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. FOR ADDITIONAL INFORMATION, REFER TO ARCHITECTURAL DRAWINGS.
- 3. SEE DRAWING GE-E-02 FOR SITE LOCATION OF THE BUILDING.
- 4. ALL OUTDOOR LIGHTING SHALL BE POWERED VIA RELAY PANEL BCR-RP. RELAY PANEL SHALL BE EQUIPPED WITH BOTH A BUILT-IN TIME CLOCK AND A PHOTO SENSOR.
- 5. COORDINATE THE FINAL PLACEMENT OF LIGHTING WITH ARCHITECTURAL DRAWINGS.
- 6. ALL LIGHTING FIXTURES SHALL BE CIRCUITED TO NEW RELAY CONTROL PANEL BCR-RP. ALL CIRCUIT NUMBERS ADJACENT TO LIGHTING FIXTURES SHALL REPRESENT THE RELAY PANEL LIGHTING CIRCUITS.
- 7. ALL EXTERIOR LIGHTING SHALL BE CIRCUITED TO RELAY PANEL BCR-RP. CONTRACTOR SHALL CIRCUIT LIGHTING FIXTURES WITH 3/4" CONDUIT WITH 2#10 & 1#10 GND, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL DAISY-CHAIN ALL EXTERIOR LIGHT FIXTURES WITH SAME CIRCUIT NUMBER BACK TO RELAY PANEL BCR-RP.

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

SHEET NUMBER RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK AS BUILT — NO CHANGES 20-530 AS BUILT — CHANGES AS NOTED BCR-E-09 DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING DWG NO.: **Page 284 of 288** CONTRACTOR PROJECT COORDINATOR INFRASTRUCTURE REHABILITATION - PHASE 2 PLAYLAND PARK, RYE, NEW YORK SCALE: **AS SHOWN** MAY 26, 2021 Savin Engineers, P.C. **BUMPER CAR RESTROOM** REVISION NUMBER MADE DPW FILE **1-118-E-672** NUMBER **ROOF LIGHTING PLAN** DATE REVISION

1/4"=1'-0"

FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.

1	NEMA RATING		BCR-1							LOCATI	ION: ELECTR	C ROOM	1			
1 250	AMP BUS RATING		250 MAIN E	REAKER		42	KA SHORT	CI	RCUIT RAT	ING	42 POLES					
208/120	VOLTS 3	PHASE	4 WIRE	60 HZ			ELECTRÓNIC GRADE: NO			NO MOUNT	MOUNTING: SURFACE					
o atti					LOAD KV	Ą	BREAKER	(A)			l	OAD KV	4	BREAKER	V	
CIRCUIT				PHASE	PHASE	PHASE	AMPS/	NOTE	CIRCUIT		PHASE	PHASE	PHASE	AMPS/	NOTE	
NO.		DESCRIPTION	V	Α	В	С	POLES	S	NO.	DESCRIPTION	Α	В	С	POLES	S	
1	RE	CEPATCLES		0.54			20/1	1	2	RECEPATCLES	0.36			20/1	1	
3	RE	CEPATCLES			0.54		20/1	1	4	RECEPATCLES		0.36		20/1	1	
5	RE	CEPATCLES				0.36	20/1	1	6	RECEPATCLES			0.36	20/1	1	
7		EF-1		0.736			20/1		8	EF-2	0.504			20/1		
9	TI.	AND DRVER			5		20/2		10	LIAND DRVER		5		20/2		
11	П.	AND DRYER				5	30/2		12	HAND DRYER			5	30/2		
13		AND DRVER		5			20/2		14	LIAND DRYED	5			20/2		
15	H	AND DRYER			5		30/2		16	HAND DRYER		5		30/2		
17		FILL 1				1.5	20/2		18	LIAND DRVER			5	20/2		
19		HAND DRYER  EUH-1  WH-1	1.5			20/2		20	HAND DRYER	5			30/2			
21		14/11/2			4.5		CO /2		22							
23		WH-1				4.5	60/2		24	BCR-LP				70/3		
25		SPARE					20/1		26							
27		SPARE					20/1		28	SPARE				20/1		
29		SPARE					20/1		30	SPARE				20/1	$\top$	
31		SPARE					20/1		32	SPARE				20/1		
33		SPARE					20/1		34	SPARE				20/1		
35		SPARE					20/1		36	SPARE				20/1	$\top$	
37		SPARE					20/1		38	SPARE				20/1		
39		SPARE					20/1		40	SPARE				20/1		
41		SPARE					20/1		42	SPARE				20/1	$\top$	
	TOTAL PHASE KVA	THIS SIDE		7.776		11.36				TOTAL PHASE KVA THIS SIDE	10.864	10.36	10.36			
				<u> </u>			•			TOTAL KVA PER PHASE	18.64	25.4	21.72			
										TOTAL THREE PHASE KVA		65.76				
NOTES:									NOTES CON	NT:	1450					
1.	GFI RATED								5.							
2.									6.							
3.									7.							
4.									8.							

1	BCR-LP NEMA RATING							LOCATION	: ELECTR	IC ROOM	1			
100	AMP BUS RATING 70 MAIN BE	REAKER		42	KA SHORT	CII	RCUIT RAT	TING 30	30 POLES					
208/120	VOLTS 3 PHASE 4 WIRE	60 HZ			ELECTR	ON	IC GRADE:	NO MOUNTING	: SURFAC	CE				
			LOAD KVA	4	BREAKER	10				LOAD KV	4	BREAKER	10	
CIRCUIT		PHASE	PHASE	PHASE	AMPS/	TE	CIRCUIT		PHASE	PHASE	PHASE	AMPS/	)TES	
NO.	DESCRIPTION	Α	В	C	POLES	NOT	NO.	DESCRIPTION	Α	В	С	POLES	NOTE	
1	FAMILY RESTROOM LIGHTS	0.034			20/1	П	2	ELECTRICAL CLOSET 101 LIGHT	0.051			20/1		
3	SPRINKLER ROOM 102 LIGHT		0.052		20/1	П	4	MENS RESTROOM 104 LIGHTS		0.193		20/1		
5	JANITORS CLOSET 105 LIGHTS			0.102	20/1	П	6	SHOP 108 LIGHTS			0.306	20/1		
7	JANITORS CLOSET 2 LIGHT	0.032			20/1		8	WOMANS RESTROOM 111 LIGHTS	0.704			20/1		
9	ACCESS ROOM LIGHT		0.051		20/1		10	RECESSED ROOF LIGHTS		0.283		20/1		
11	SPARE LIGHTS				20/1		12	SPARE LIGHTS				20/1		
13	SPARE				20/1		14	RECESSED CEILING LIGHTS	0.204			20/1		
15	SPARE				20/1		16	SPARE				20/1		
17	SPARE				20/1		18	BCR-RP			0.06	20/1		
19	SPARE				20/1		20	SPARE				20/1		
21	SPARE				20/1		22	SPARE				20/1		
23	SPARE				20/1		24	SPARE				20/1		
25	SPARE				20/1		26	SPARE				20/1	9	
27	SPARE				20/1		28	SPARE				20/1		
29	SPARE				20/1		30	SPARE				20/1		
	TOTAL PHASE KVA THIS SIDE	0.066	0.103	0.102				TOTAL PHASE KVA THIS SIDE	0.959	0.476	0.366			
								TOTAL KVA PER PHASE	1.025	0.579	0.468			
								TOTAL THREE PHASE KVA		2.072				
NOTES:							NOTES CON	NT:						
1.							5.							
2.							6.							
3.							7.							
4.							8.							

C ONSULTANT INFORMATION	С
Savin Engineers, P.C.	

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10g	7				AS BUILT — CHANGES AS NOTED
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	REVISION NUMBER	MADE BY	APP'D BY	REVISION	TITLE DATE

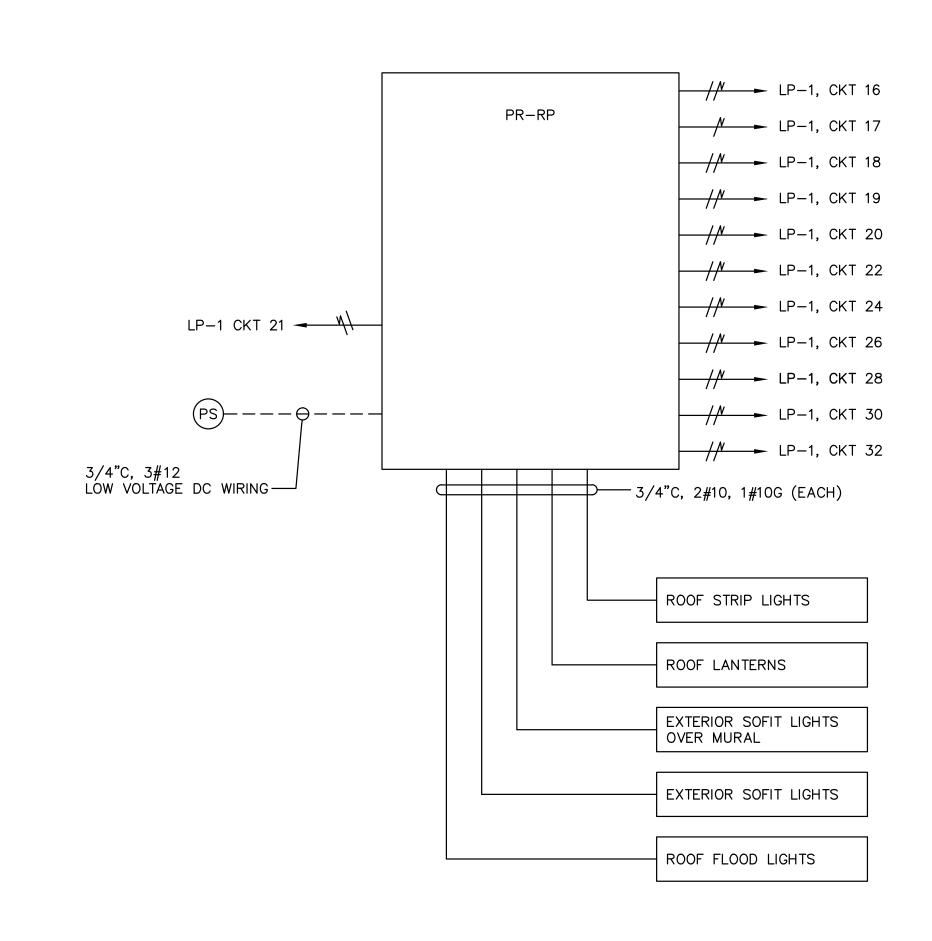
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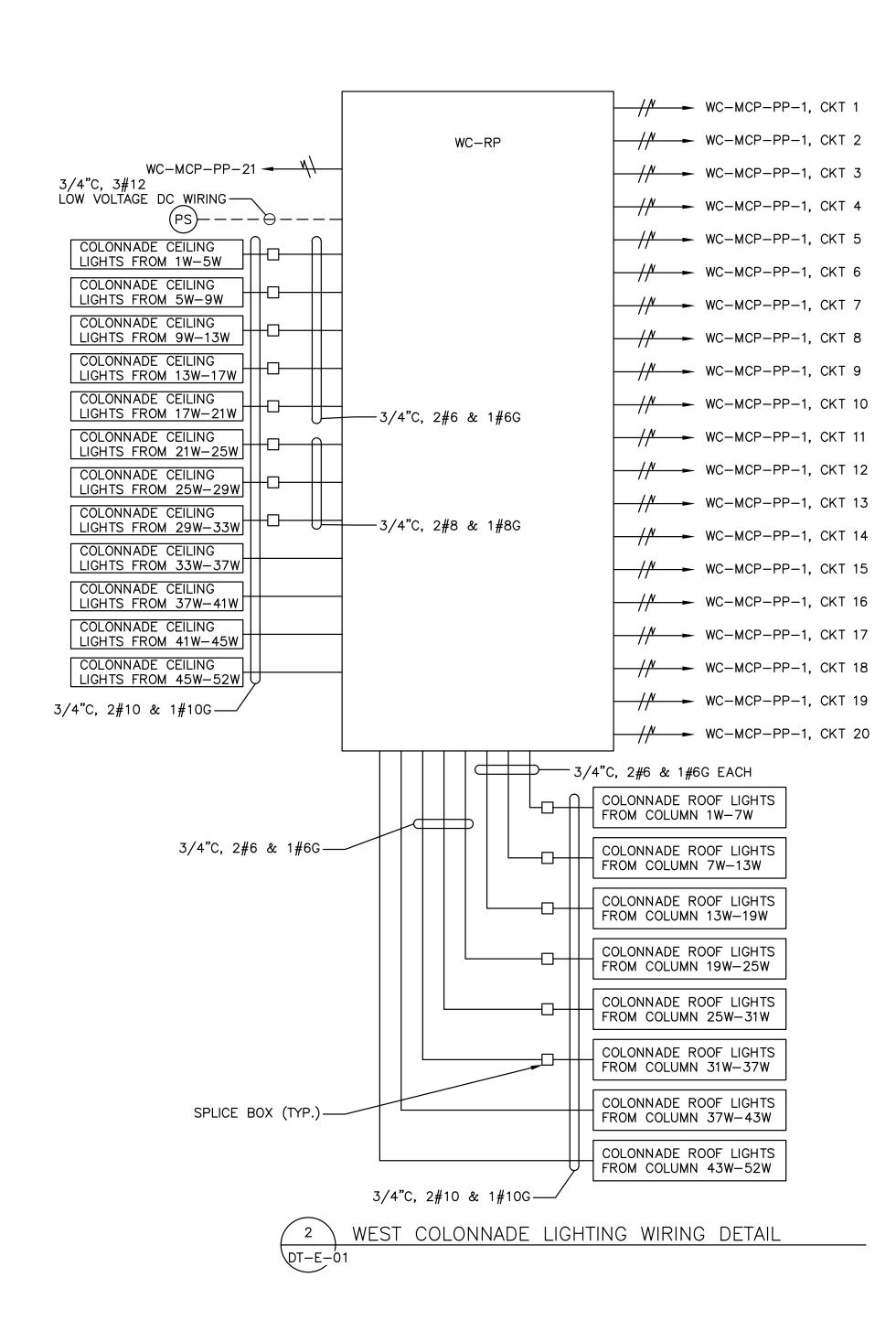
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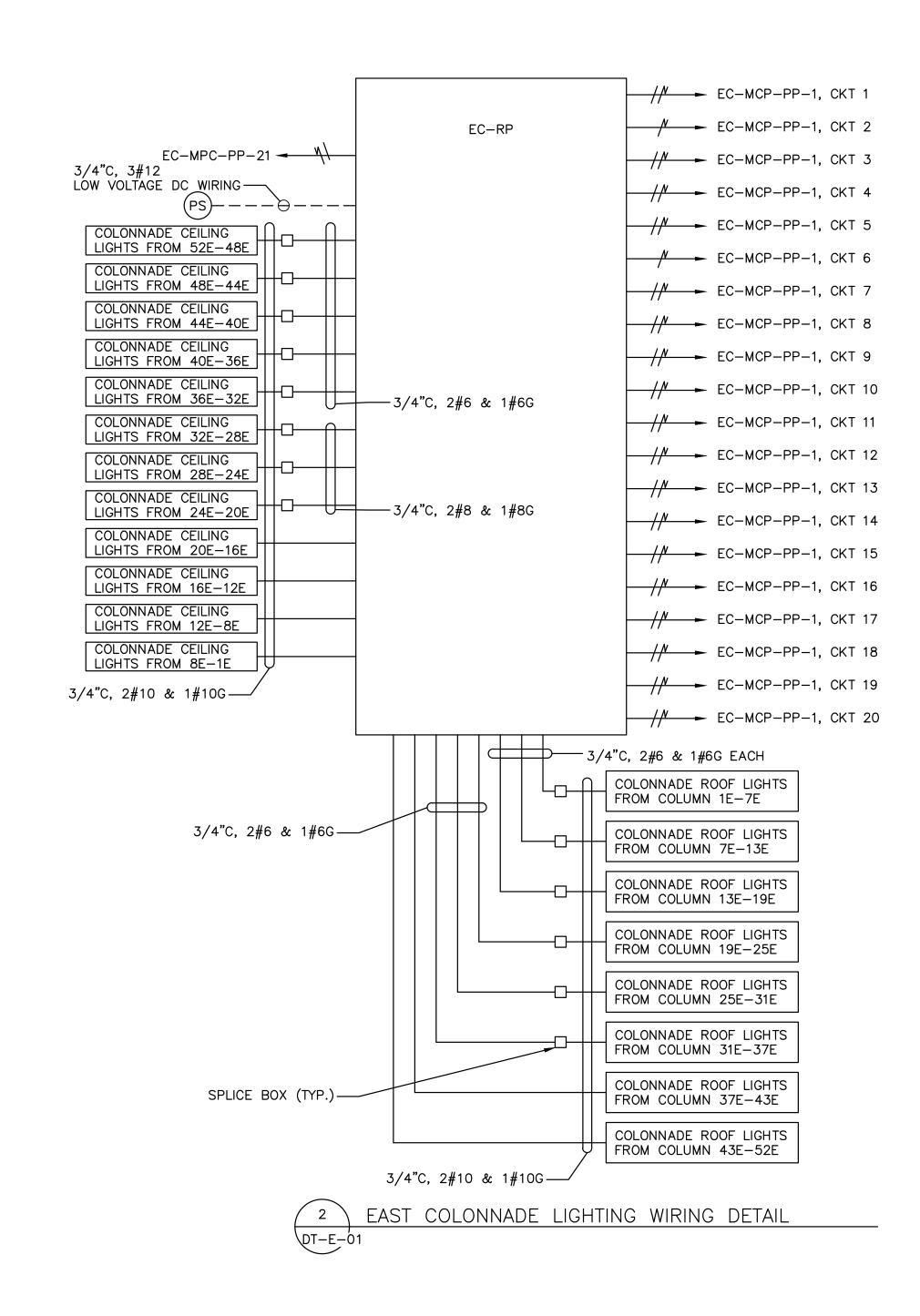
	CONTRACT NUMBER	SHEET NUMBER						
V	20-530	BCR-E-10						
	DWG NO.: Page 285 of 288							
	SCALE: AS SHOWN							
	DATE: <b>MAY 26, 2021</b>							
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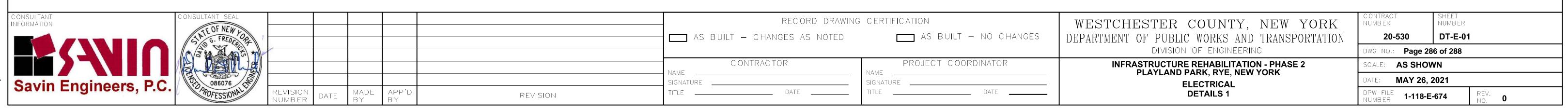
- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. FOR ADDITIONAL INFORMATION, SEE LIGHTING FIXTURE SCHEDULE ON DRAWING GE-E-03 AND PANEL SCHEDULE ON DRAWINGS PR-E-12 AND COL-E-11.
- 3. ALL HOMERUNS SHALL BE 3/4"C WITH 2#10 & 1#10GND.

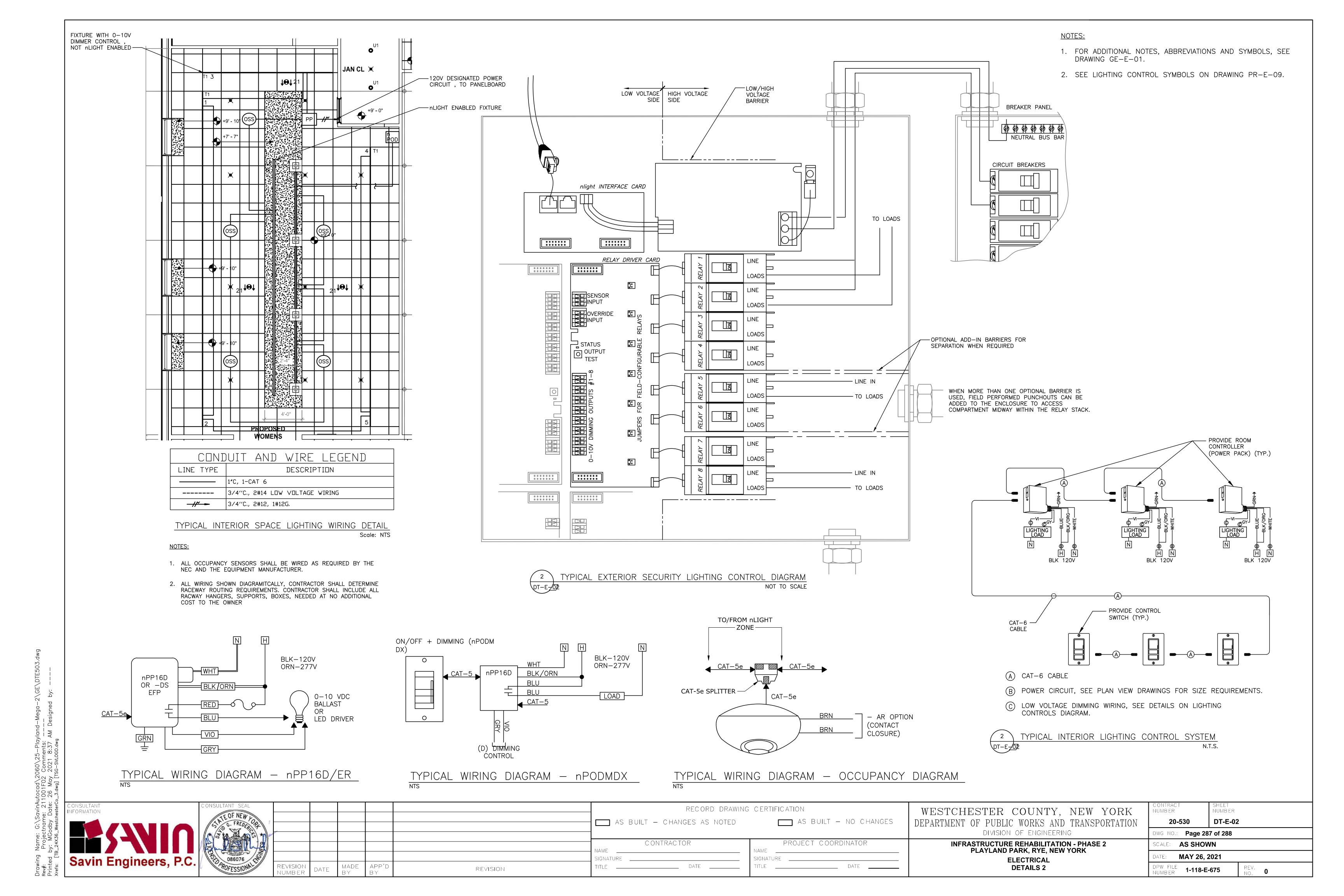




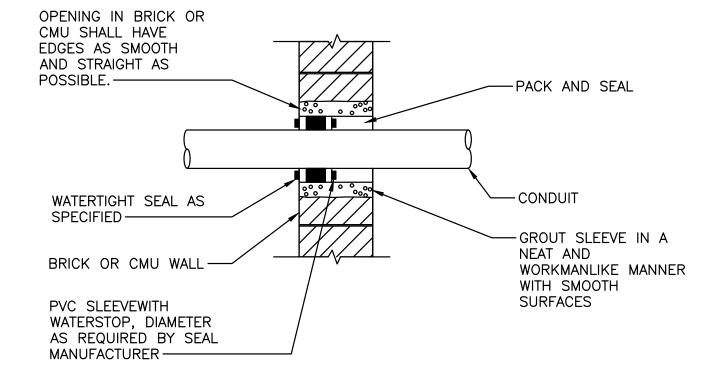




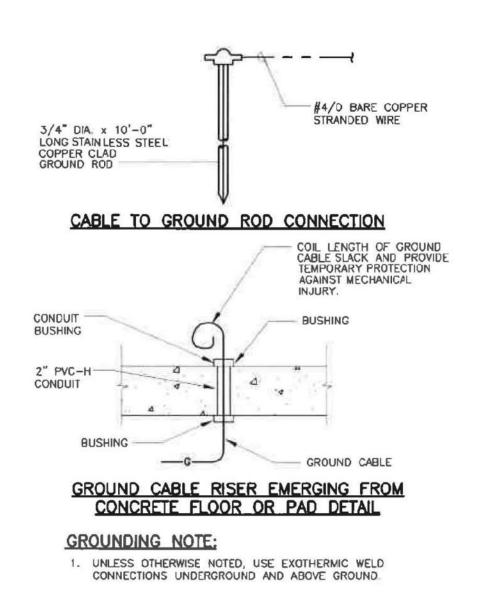




UNDERGROUND ELECTRICAL DUCTBANK DETAIL
NTS



WATERTIGHT CONDUIT PENETRATION DETAIL NOT TO SCALE



FLANGED TYPE SEALING
BUSHING AS SPECIFIED

CONDUIT

GROUT BEFORE BACKFILLING

CONCRETE WALL

CORE DRILLED HOLE

CONDUIT PENETRATION THRU EXISTING CONCRETE WALL

DEFLECTION FITTING -

GROUND WIRE

GROUNDING BUSHING —

SIZE AS REQUIRED -

INSULATED THROAT

**EXPANSION** 

BONDING JUMPER

AREA

COMBINATION EXPANSION—DEFLECTION FITTING

MULTIPLE BONDING OF RACEWAYS

SCALE: N.T.S.

RIGID STEEL CONDUIT

-RGS CONDUIT NIPPLE

- STRUCTURAL

- RIGID STEEL

CONDUIT

-BONDING

JUMPER

- ELECTRICAL

**EQUIPMENT** 

-GROUND BUS

-CONCRETE EQUIPMENT PAD

SLAB

-EXPANSION FITTING

SCALE: N.T.S.

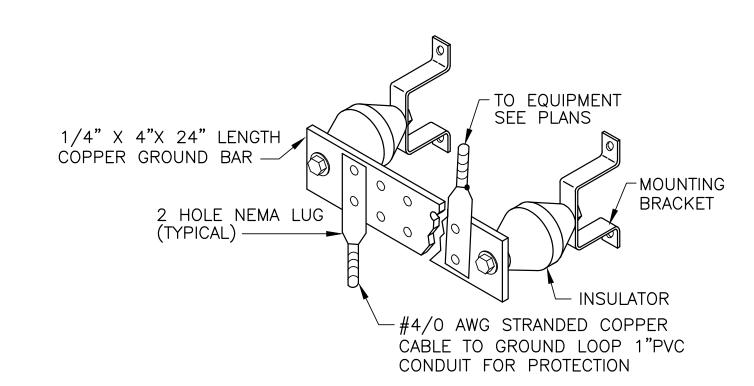
## TYPICAL GROUNDING DETAILS

INGROUND POLYMER CONCRETE JUNCTION BOX DETAIL
NTS

(SIZE JUNCTION BOX AS REQUIRED)

## NOTES:

- HAND HOLES SHALL BE UL LISTED BOX VERTICAL DESIGN/TEST LOAD OF 22,500/33,750 POUNDS.THIS INCLUDES BOX BODY, ASSOCIATED COVER SUPPORTING GROUND/STONE.
- 2. PROVIDE BUILT-IN SEGREGRATION BARRIER FOR HH-1.
- 3. ANSI/SCTE 77 TIER 22 BOX WITH TIER 15 COVER (TYP.)



## TYPICAL GROUND BAR

NTS

