CONTRACTOR

TITLE _____ DATE ____

NAME _____

SIGNATURE _____

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

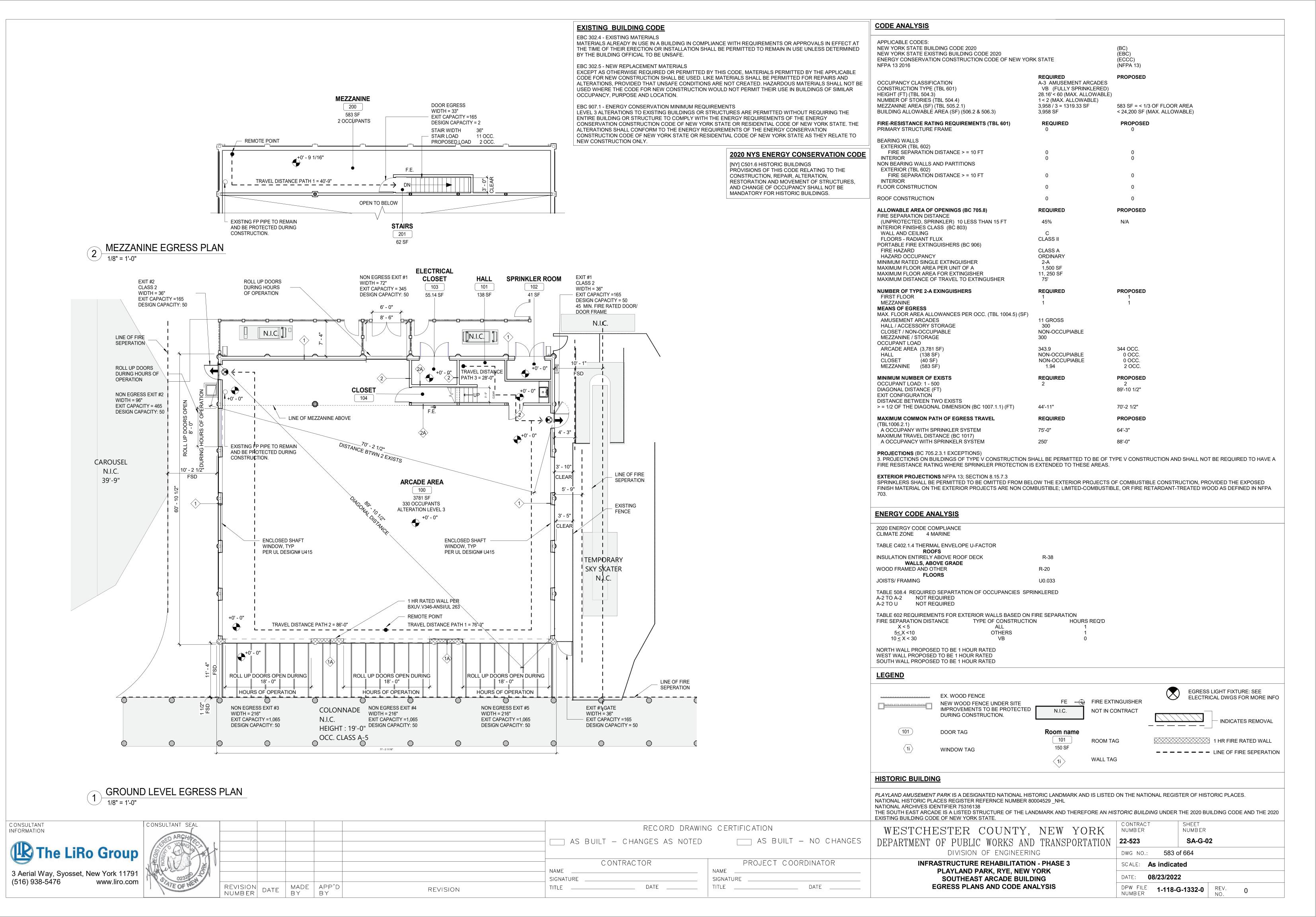
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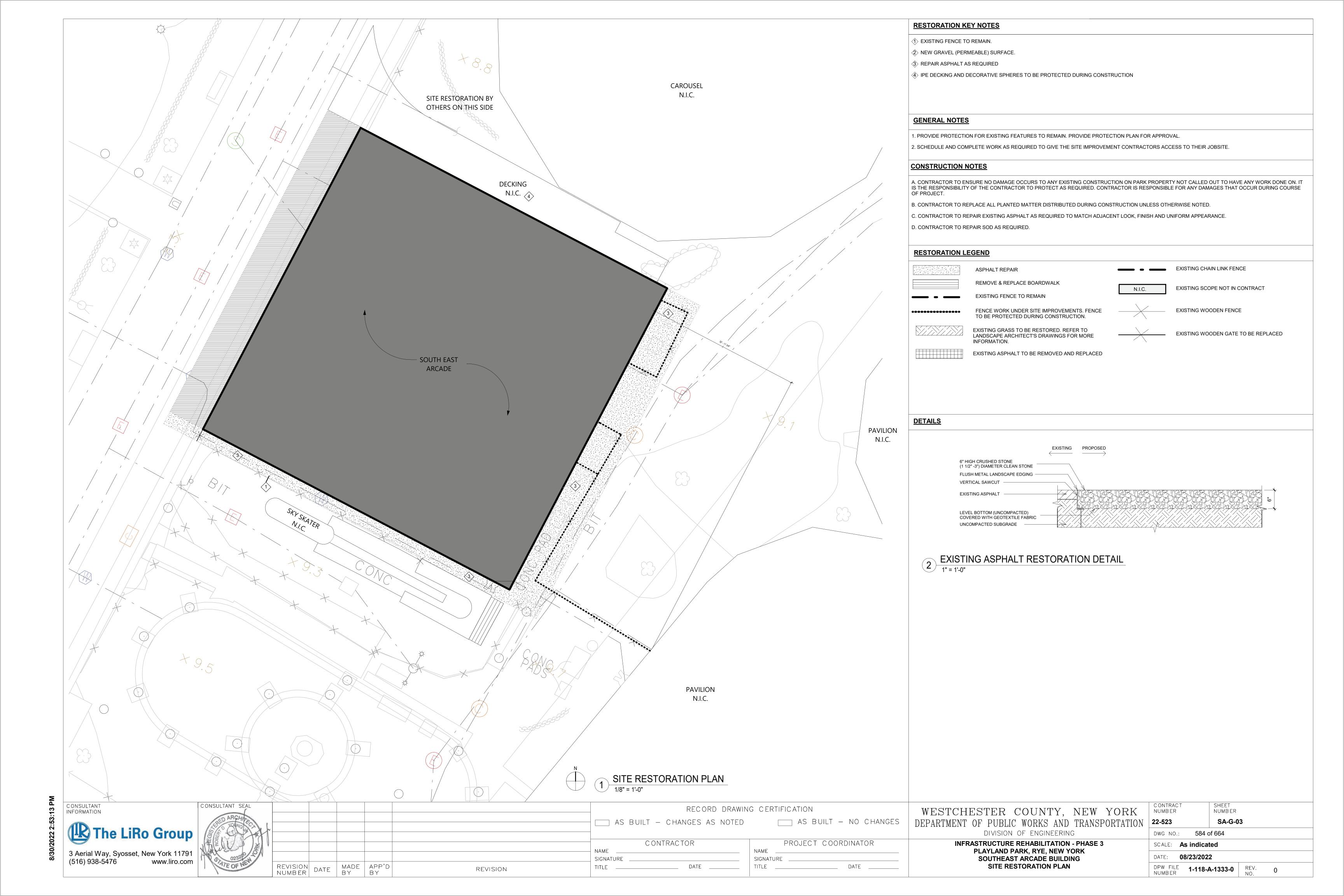
REVISION

SCALE: **12" = 1'-0"**

DATE: **08/23/2022**

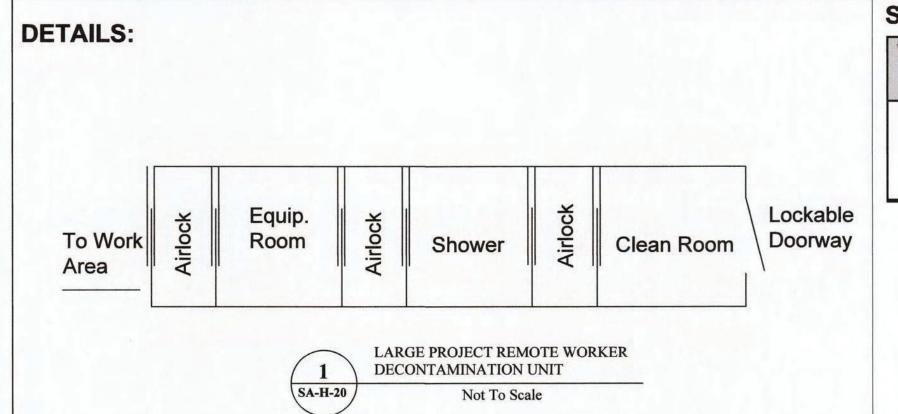
DPW FILE **1-118-G-1331-0** REV. NO. 0





PLAYLAND REHABILITATION & UPGRADES SOUTHEAST ARCADE - LEAD REMEDIATION

1 PLAYLAND PKWY, RYE, NY 10580



SCOPE OF WORK TABLE:

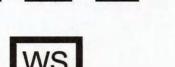
KEYPLAN:

Work area	Location	Description	Material	Quantity	Procedure
1	Exterior	Entire Building	Painted Surfaces	800 SF	Manual Wet Scraping/Chemical Strip

PROJECT NOTES:

- All layers of coating shall be considered as LBP and removed down to the substrates. Substrates coated with LBP and targeted for demolition may be removed and disposed of solid structure waste following TCLP testing.
- 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 DPW Environmental Consultant.
- 3. The abatement 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.
- 4. Waste generated by the work of this method shall be stored on site in a NYSDEC compliant Hazardous and Waste Storage Area and transported under manifest to the disposal site.
- 5. The contractor shall prepare a project specific work plan and project specific HASP for the work of this contract.
- 6. LBP remediation shall be consistent with guidelines from SSPC and work shall comply with the OSHA regulations including using of decontamination units and hand wash stations.
- 7. 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.
- 8. The Contractor shall request and receive in writing prior to preceding with any work info from the owner regarding surfaces/materials that require

LEGEND:



WORK AREA LIMITS

OSHA HANDWASHING STATION



HAZARDOUS WASTE STORAGE AREA



AIRLOCK



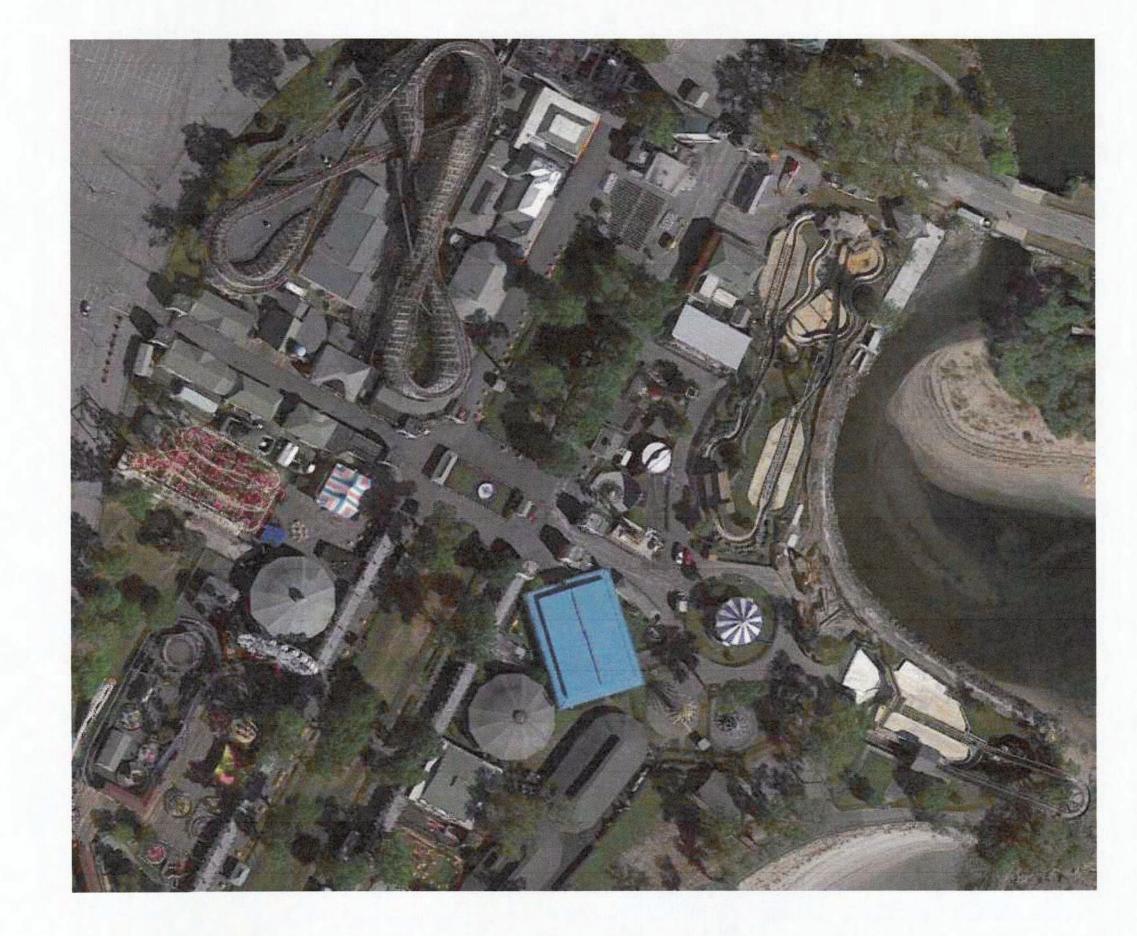
TEMPORARY WATER SOURCE

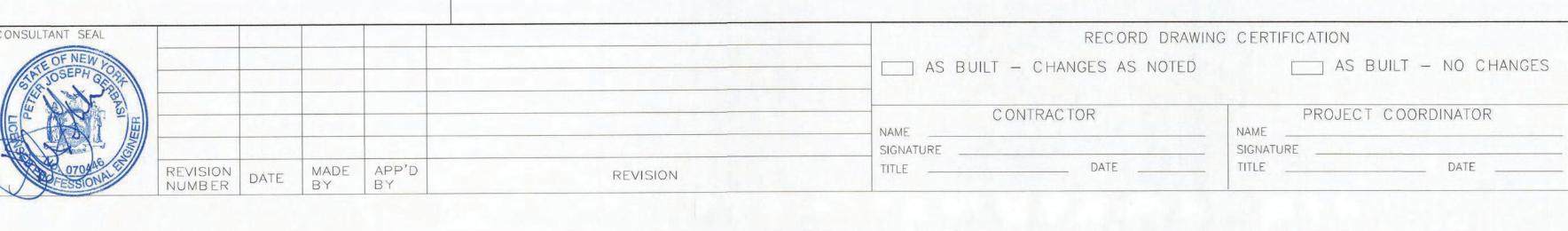


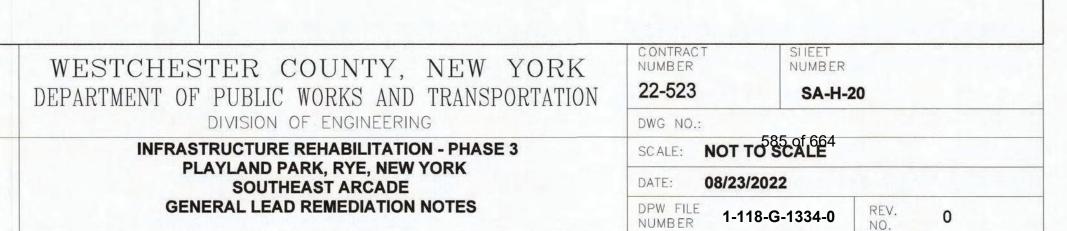
TEMPORARY ELECTRICAL SOURCE

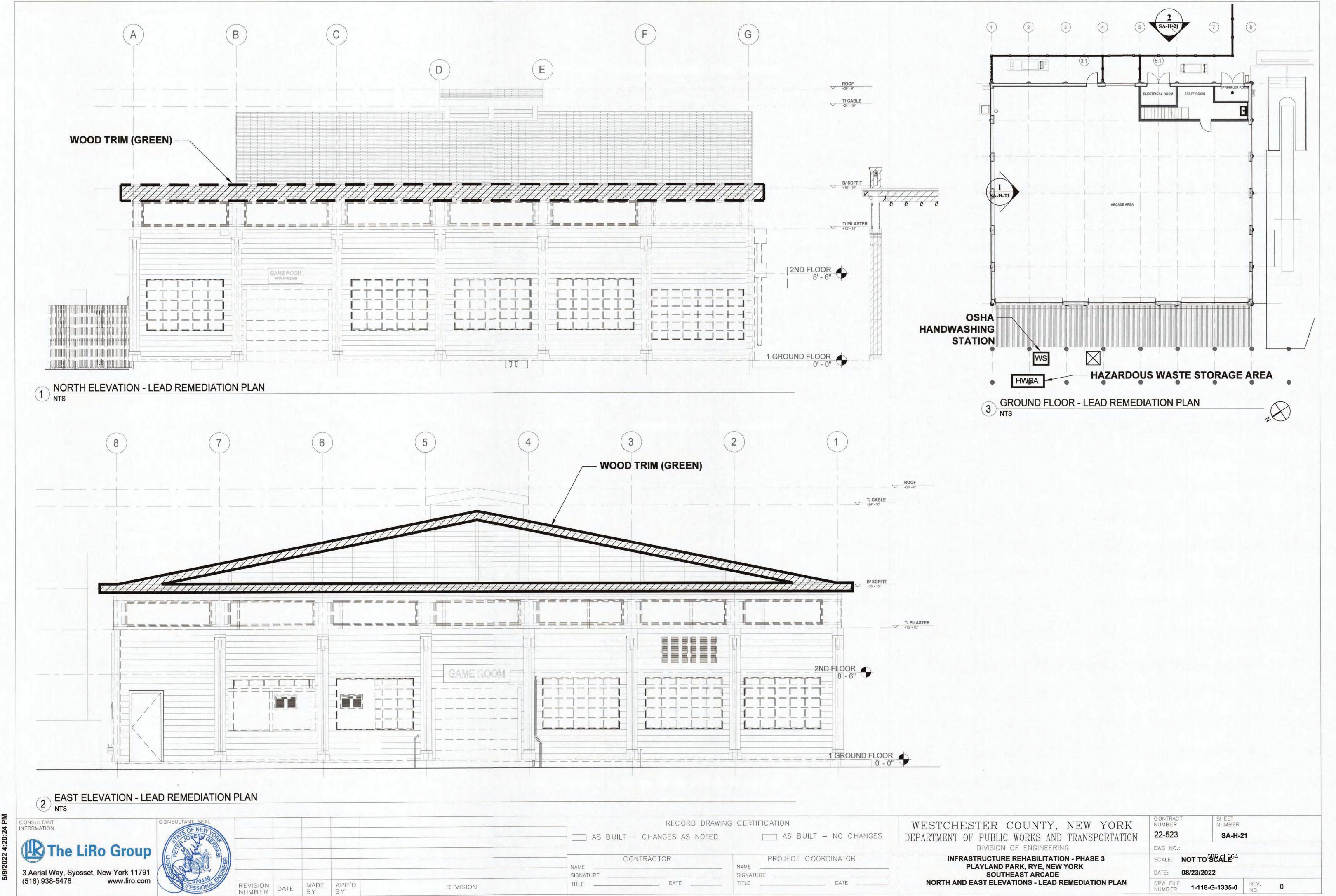


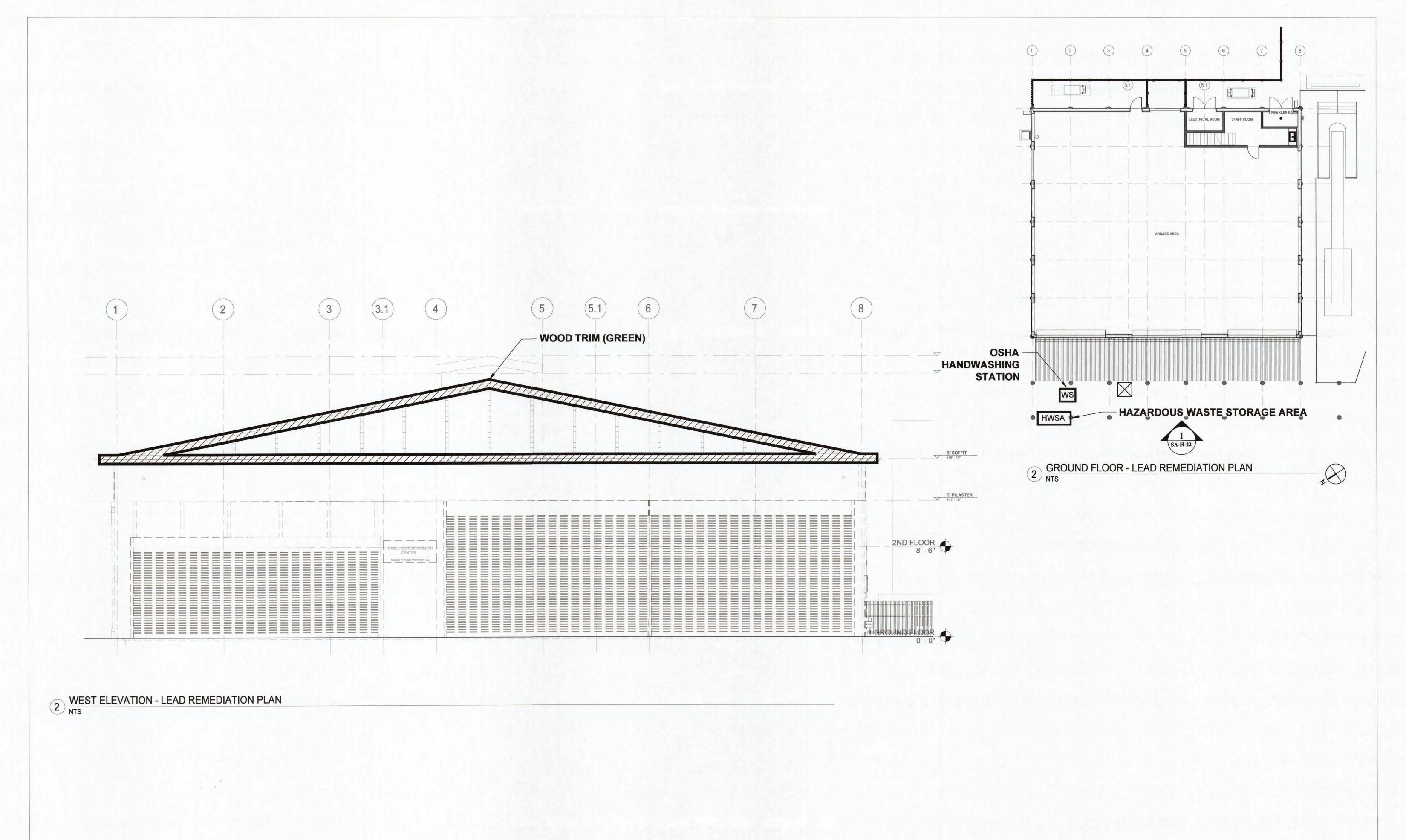
WOOD TRIM (GREEN)

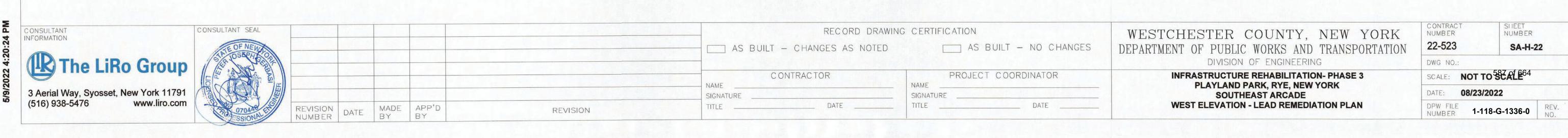






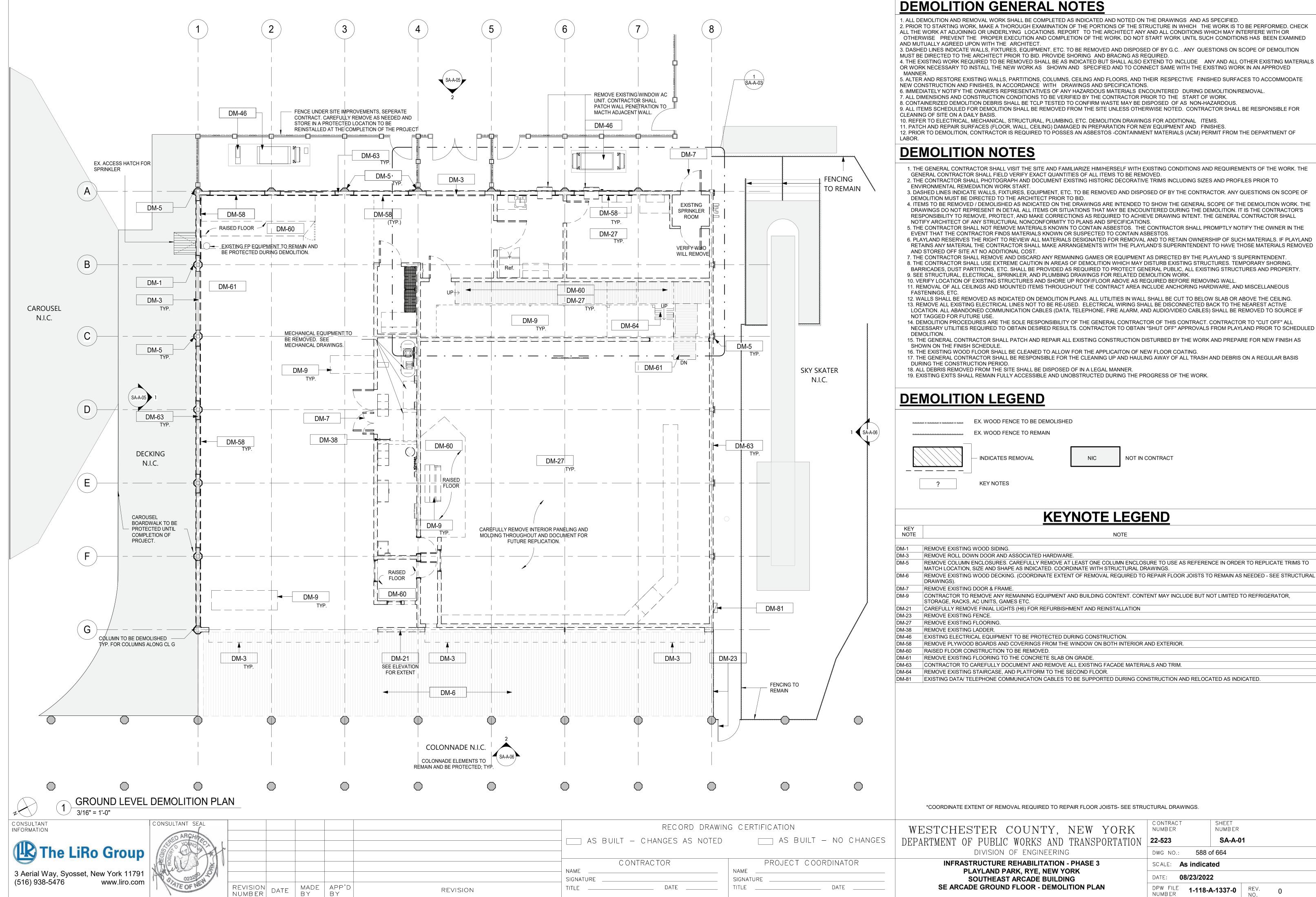


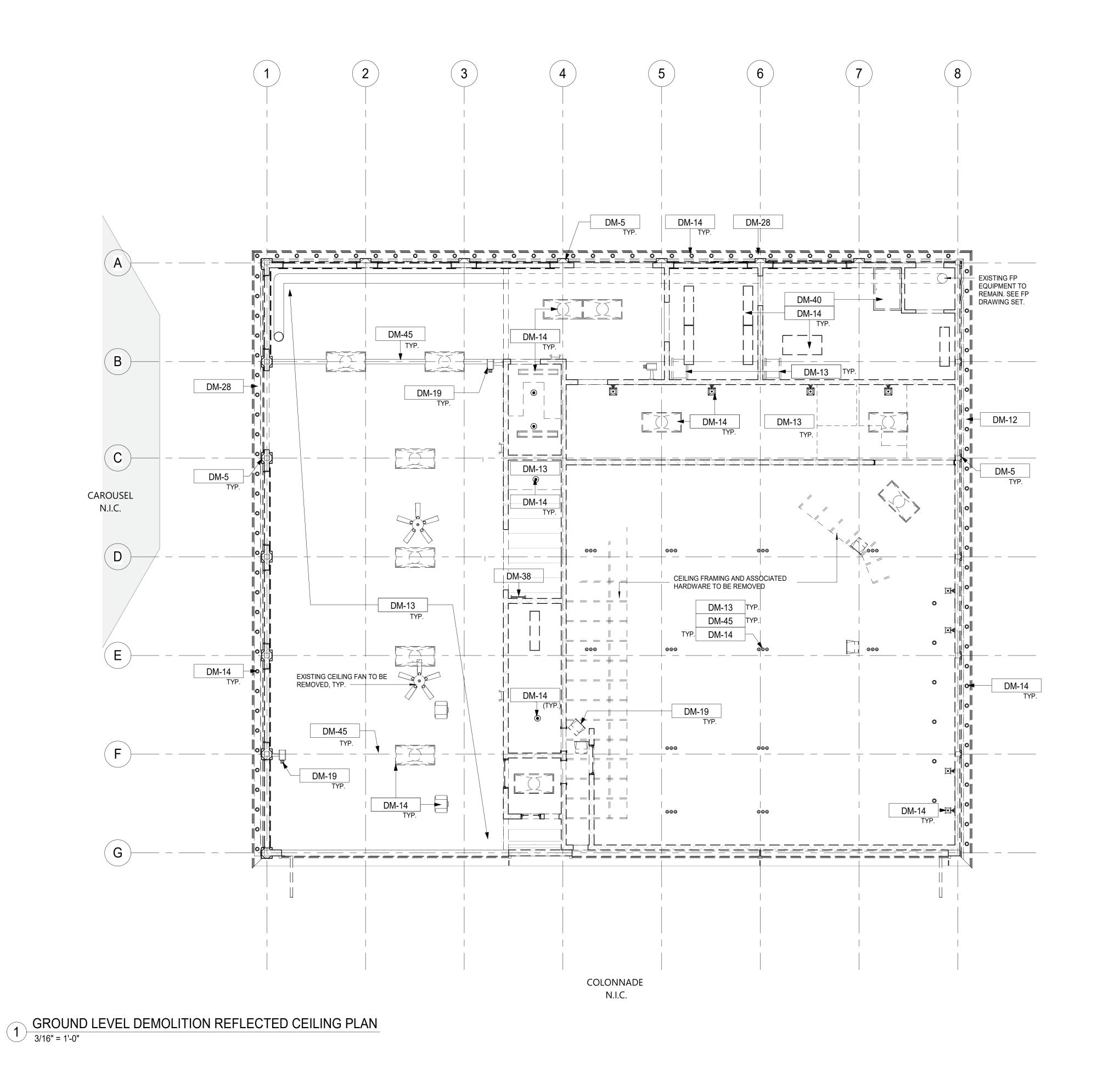




SLIEET NUMBER

SA-H-22





REVISION

DEMOLITION GENERAL NOTES

1. ALL DEMOLITION AND REMOVAL WORK SHALL BE COMPLETED AS INDICATED AND NOTED ON THE DRAWINGS AND AS SPECIFIED.

2. PRIOR TO STARTING WORK, MAKE A THOROUGH EXAMINATION OF THE PORTIONS OF THE STRUCTURE IN WHICH THE WORK IS TO BE PERFORMED. CHECK ALL THE WORK AT ADJOINING OR UNDERLYING LOCATIONS. REPORT TO THE ARCHITECT ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START WORK UNTIL SUCH CONDITIONS HAS BEEN EXAMINED AND MUTUALLY AGREED UPON WITH THE ARCHITECT.

3. DASHED LINES INDICATE WALLS, FIXTURES, EQUIPMENT, ETC. TO BE REMOVED AND DISPOSED OF BY G.C. . ANY QUESTIONS ON SCOPE OF DEMOLITION MUST BE DIRECTED TO THE ARCHITECT PRIOR TO BID. PROVIDE SHORING AND BRACING AS REQUIRED.

BE DIRECTED TO THE ARCHITECT PRIOR TO BID. PROVIDE SHORING AND BRACING AS REQUIRED.

4. THE EXISTING WORK REQUIRED TO BE REMOVED SHALL BE AS INDICATED BUT SHALL ALSO EXTEND TO INCLUDE ANY AND ALL OTHER EXISTING MATERIALS OR WORK NECESSARY TO INSTALL THE NEW WORK AS SHOWN AND SPECIFIED AND TO CONNECT SAME WITH THE EXISTING WORK IN AN APPROVED

5. ALTER AND RESTORE EXISTING WALLS, PARTITIONS, COLUMNS, CEILING AND FLOORS, AND THEIR RESPECTIVE FINISHED SURFACES TO ACCOMMODATE

NEW CONSTRUCTION AND FINISHES, IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
6. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVES OF ANY HAZARDOUS MATERIALS ENCOUNTERED DURING DEMOLITION/REMOVAL.

7. ALL DIMENSIONS AND CONSTRUCTION CONDITIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF WORK.

8. CONTAINERIZED DEMOLITION DEBRIS SHALL BE TCLP TESTED TO CONFIRM WASTE MAY BE DISPOSED OF AS NON-HAZARDOUS.

9. ALL ITEMS SCHEDULED FOR DEMOLITION SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OF SITE ON A DAILY BASIS.

10. REFER TO ELECTRICAL, MECHANICAL, STRUCTURAL, PLUMBING, ETC. DEMOLITION DRAWINGS FOR ADDITIONAL ITEMS.
11. PATCH AND REPAIR SURFACES (FLOOR, WALL, CEILING) DAMAGED IN PREPARATION FOR NEW EQUIPMENT AND FINISHES.

DEMOLITION LEGEND

DM-45 EXISTING TRUSS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.

EX. WOOD FENCE TO BE DEMOLISHED

EX. WOOD FENCE TO REMAIN

INDICATES REMOVAL

NIC

NOT IN CONTRACT

REY NOTES

KEYNOTE LEGEND

NOTE

REMOVE COLUMN ENCLOSURES. CAREFULLY REMOVE AT LEAST ONE COLUMN ENCLOSURE TO USE AS REFERENCE IN ORDER TO REPLICATE TRIMS TO MATCH LOCATION, SIZE AND SHAPE AS INDICATED. COORDINATE WITH STRUCTURAL DRAWINGS.

DM-12 REMOVE EXTERIOR SOFFIT AS NECESSARY WHERE PERIMETER LIGHTING IS TO BE REMOVED. COORDINATE WITH ELECTRICAL DRAWINGS.

DM-13 REMOVE EXISTING CEILING AND ALL ACCESSORIES AND EQUIPMENT.

DM-14 REMOVE EXISTING LIGHTING FIXTURES AND ELECTRICAL WIRING CONNECTED TO THESE FIXTURES. SEE ELECTRICAL FOR DETAILS.

DM-19 DISCONNECT AND REMOVE EXISTING SUSPENDED EQUIPMENT SUCH AS CAMERAS, SPEAKERS, ETC. SEE ELECTRICAL DRAWINGS FOR DETAILS.

DM-28 REMOVE EXISTING GUTTER, FASCIA, AND SOFFITS.

DM-38 REMOVE EXISTING LADDER.

DM-40 REMOVE ACCESS HATCH.

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

RECORD DRAWING CERTIFICATION

NAME

SIGNATURE

AS BUILT — CHANGES AS NOTED

CONTRACTOR

DATE

SIGNATURE

____ AS BUILT - NO CHANGES

PROJECT COORDINATOR

INFRASTRUCTURE REHABILITATION - PHASE 3
PLAYLAND PARK, RYE, NEW YORK
SOUTHEAST ARCADE BUILDING
SE GROUND FLOOR DEMOLITION- REFLECTED CEILING PLAN

CONTRACT NUMBER

22-523

DWG NO.: 589 of 664

SCALE: As indicated

DATE: 08/23/2022

DPW FILE NUMBER

1-118-A-1338-0 REV. NO. 0

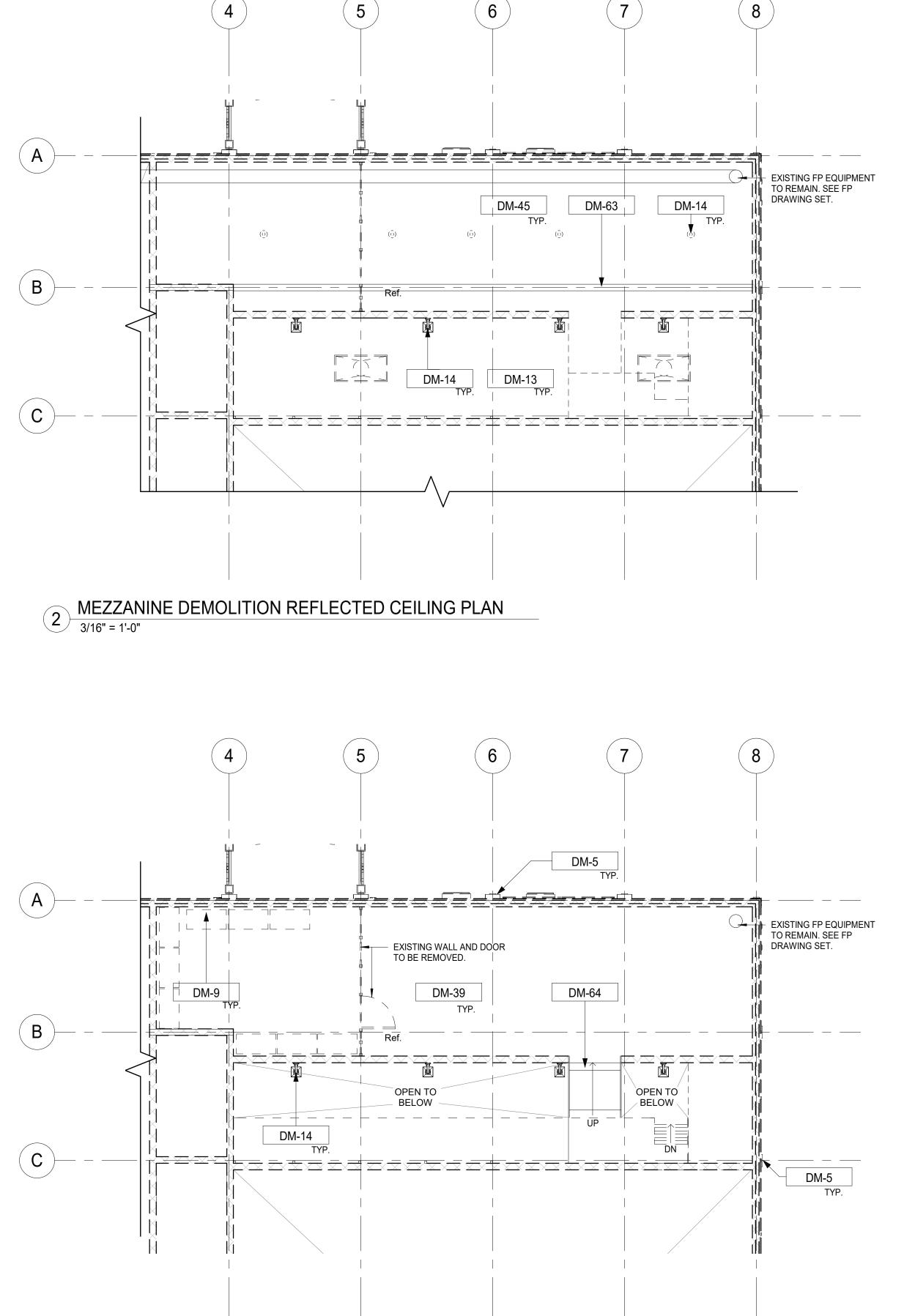
CONSULTANT INFORMATION

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

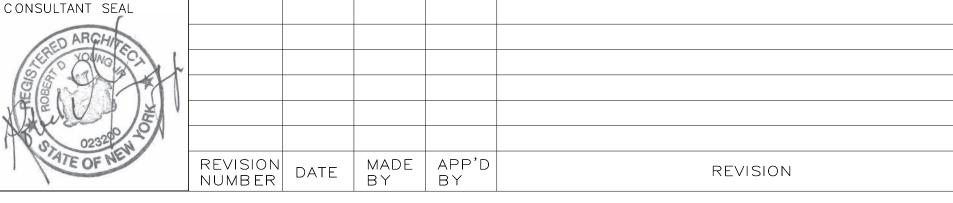
CONSULTANT SEAL

MADE APP'D BY BY

REVISION NUMBER







RECORD DRAWING CERTIFICATION ____ AS BUILT - NO CHANGES AS BUILT - CHANGES AS NOTED

CONTRACTOR

DATE ____

SIGNATURE

PROJECT COORDINATOR NAME SIGNATURE __

____ DATE _____

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

INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING SE ARCADE SECOND FLOOR- DEMOLITION PLAN & RCP

CONTRACT NUMBER 22-523 **SA-A-03** 590 of 664 DWG NO.: SCALE: **As indicated** 08/23/2022 DATE: **1-118-A-1339-0** REV. NO.

DEMOLITION GENERAL NOTES

1. ALL DEMOLITION AND REMOVAL WORK SHALL BE COMPLETED AS INDICATED AND NOTED ON THE DRAWINGS AND AS SPECIFIED.

2. PRIOR TO STARTING WORK, MAKE A THOROUGH EXAMINATION OF THE PORTIONS OF THE STRUCTURE IN WHICH THE WORK IS TO BE PERFORMED. CHECK ALL THE WORK AT ADJOINING OR UNDERLYING LOCATIONS. REPORT TO THE ARCHITECT ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START WORK UNTIL SUCH CONDITIONS HAS BEEN EXAMINED AND MUTUALLY AGREED UPON WITH THE ARCHITECT.

3. DASHED LINES INDICATE WALLS, FIXTURES, EQUIPMENT, ETC. TO BE REMOVED AND DISPOSED OF BY G.C. . ANY QUESTIONS ON SCOPE OF DEMOLITION MUST BE DIRECTED TO THE ARCHITECT PRIOR TO BID. PROVIDE SHORING AND BRACING AS REQUIRED. 4. THE EXISTING WORK REQUIRED TO BE REMOVED SHALL BE AS INDICATED BUT SHALL ALSO EXTEND TO INCLUDE ANY AND ALL OTHER EXISTING MATERIALS

5. ALTER AND RESTORE EXISTING WALLS, PARTITIONS, COLUMNS, CEILING AND FLOORS, AND THEIR RESPECTIVE FINISHED SURFACES TO ACCOMMODATE

OR WORK NECESSARY TO INSTALL THE NEW WORK AS SHOWN AND SPECIFIED AND TO CONNECT SAME WITH THE EXISTING WORK IN AN APPROVED

NEW CONSTRUCTION AND FINISHES, IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.

6. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVES OF ANY HAZARDOUS MATERIALS ENCOUNTERED DURING DEMOLITION/REMOVAL.

7. ALL DIMENSIONS AND CONSTRUCTION CONDITIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF WORK. 8. CONTAINERIZED DEMOLITION DEBRIS SHALL BE TCLP TESTED TO CONFIRM WASTE MAY BE DISPOSED OF AS NON-HAZARDOUS.

9. ALL ITEMS SCHEDULED FOR DEMOLITION SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OF SITE ON A DAILY BASIS.

10. REFER TO ELECTRICAL, MECHANICAL, STRUCTURAL, PLUMBING, ETC. DEMOLITION DRAWINGS FOR ADDITIONAL ITEMS. 11. PATCH AND REPAIR SURFACES (FLOOR, WALL, CEILING) DAMAGED IN PREPARATION FOR NEW EQUIPMENT AND FINISHES.

DEMOLITION RCP GENERAL NOTES

1. ALL DEMOLITION AND REMOVAL WORK SHALL BE COMPLETED AS INDICATED AND NOTED ON THE DRAWINGS AND AS SPECIFIED.

2. PRIOR TO STARTING WORK, MAKE A THOROUGH EXAMINATION OF THE PORTIONS OF THE STRUCTURE IN WHICH THE WORK IS TO BE PERFORMED. CHECK ALL THE WORK AT ADJOINING OR UNDERLYING LOCATIONS. REPORT TO THE ARCHITECT ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START WORK UNTIL SUCH CONDITIONS HAS BEEN EXAMINED

AND MUTUALLY AGREED UPON WITH THE ARCHITECT. 3. DASHED LINES INDICATE WALLS, FIXTURES, EQUIPMENT, ETC. TO BE REMOVED AND DISPOSED OF BY G.C. . ANY QUESTIONS ON SCOPE OF DEMOLITION MUST BE DIRECTED TO THE ARCHITECT PRIOR TO BID. PROVIDE SHORING AND BRACING AS REQUIRED.

4. THE EXISTING WORK REQUIRED TO BE REMOVED SHALL BE AS INDICATED BUT SHALL ALSO EXTEND TO INCLUDE ANY AND ALL OTHER EXISTING MATERIALS OR WORK NECESSARY TO INSTALL THE NEW WORK AS SHOWN AND SPECIFIED AND TO CONNECT SAME WITH THE EXISTING WORK IN AN APPROVED

5. ALTER AND RESTORE EXISTING WALLS, PARTITIONS, COLUMNS, CEILING AND FLOORS, AND THEIR RESPECTIVE FINISHED SURFACES TO ACCOMMODATE NEW CONSTRUCTION AND FINISHES, IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.

6. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVES OF ANY HAZARDOUS MATERIALS ENCOUNTERED DURING DEMOLITION/REMOVAL. 7. ALL DIMENSIONS AND CONSTRUCTION CONDITIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF WORK.

8. CONTAINERIZED DEMOLITION DEBRIS SHALL BE TCLP TESTED TO CONFIRM WASTE MAY BE DISPOSED OF AS NON-HAZARDOUS.

9. ALL ITEMS SCHEDULED FOR DEMOLITION SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OF SITE ON A DAILY BASIS.

10. REFER TO ELECTRICAL, MECHANICAL, STRUCTURAL, PLUMBING, ETC. DEMOLITION DRAWINGS FOR ADDITIONAL ITEMS. 11. PATCH AND REPAIR SURFACES (FLOOR, WALL, CEILING) DAMAGED IN PREPARATION FOR NEW EQUIPMENT AND FINISHES.

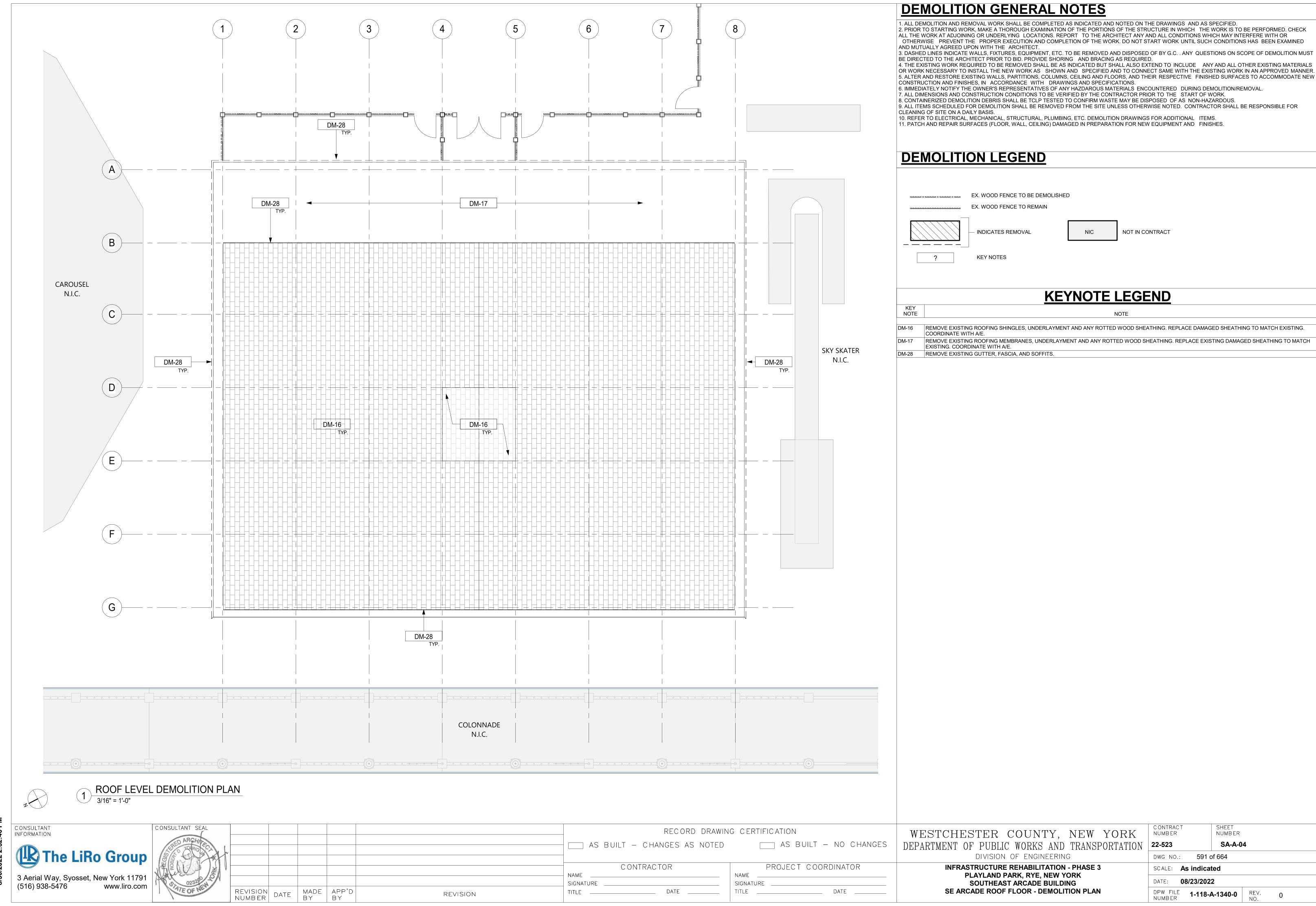
DEMOLITION LEGEND

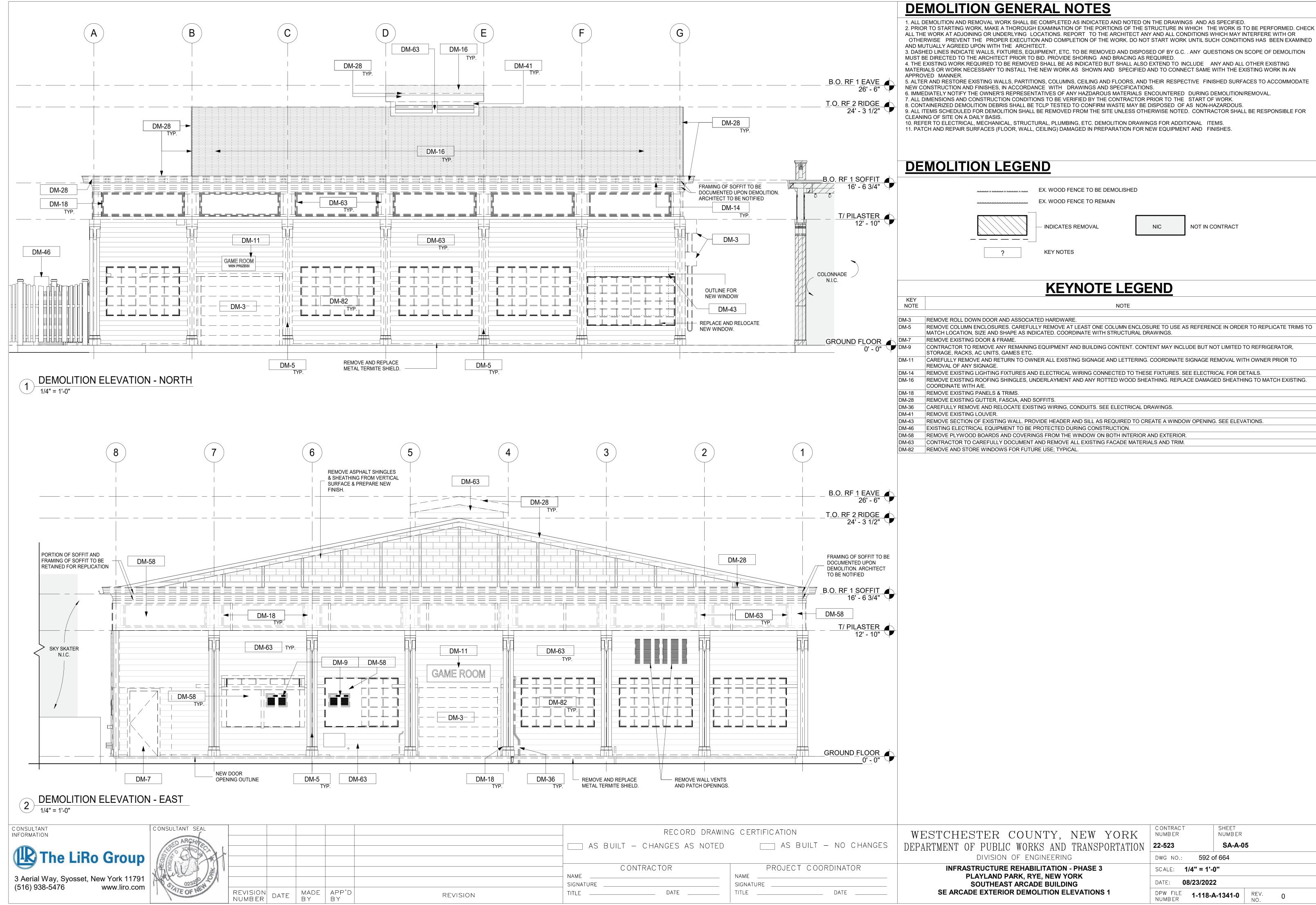
0.0.0.0 0 0.0.0.0 0 0.0.0.0 0 0.0.0	EX. WOOD FENCE TO BE DEMOLISHE	ED	
***************************************	EX. WOOD FENCE TO REMAIN		
	— INDICATES REMOVAL	NIC	NOT IN CONTRACT
?	KEY NOTES		

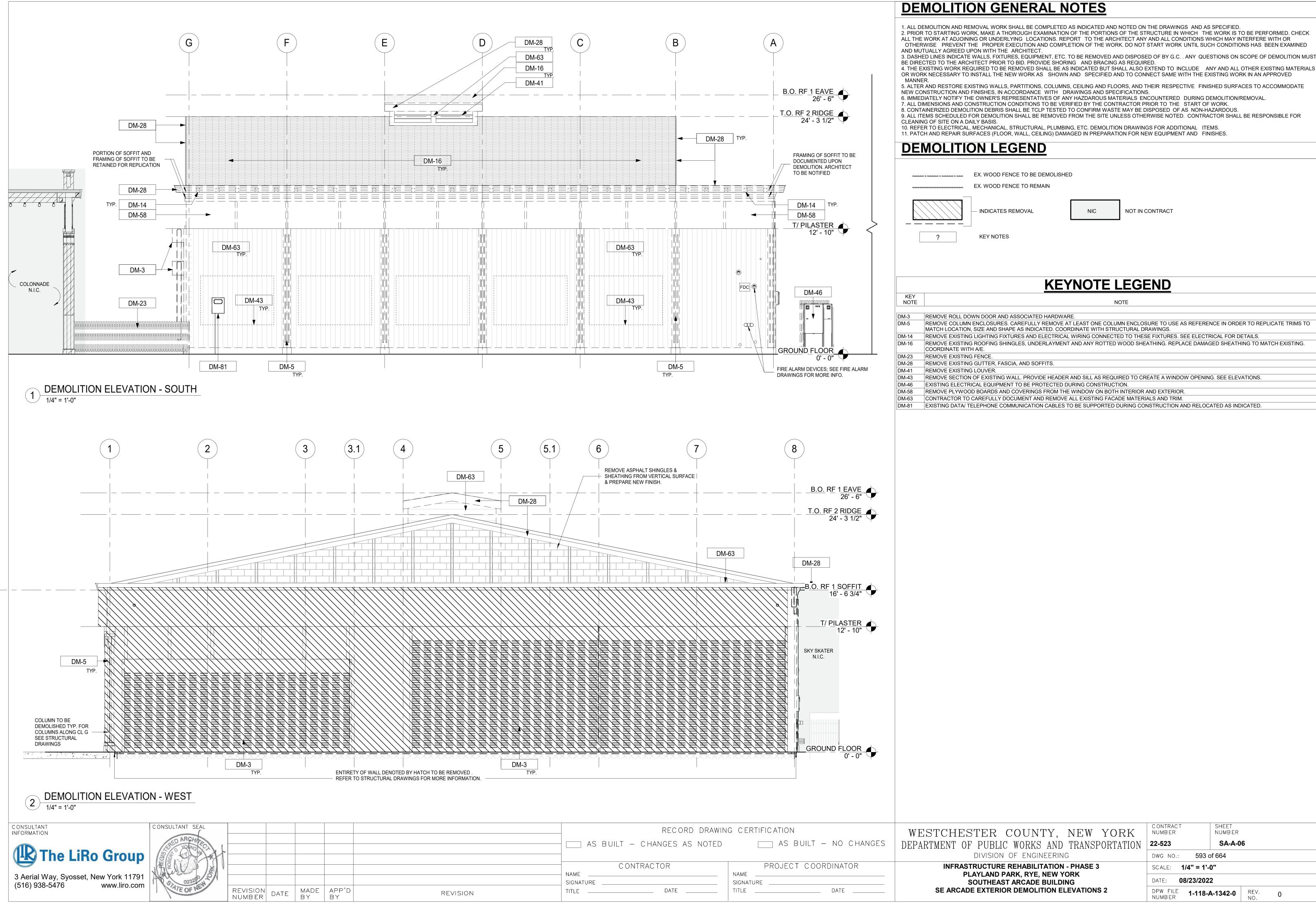
DM-64 REMOVE EXISTING STAIRCASE, AND PLATFORM TO THE SECOND FLOOR.

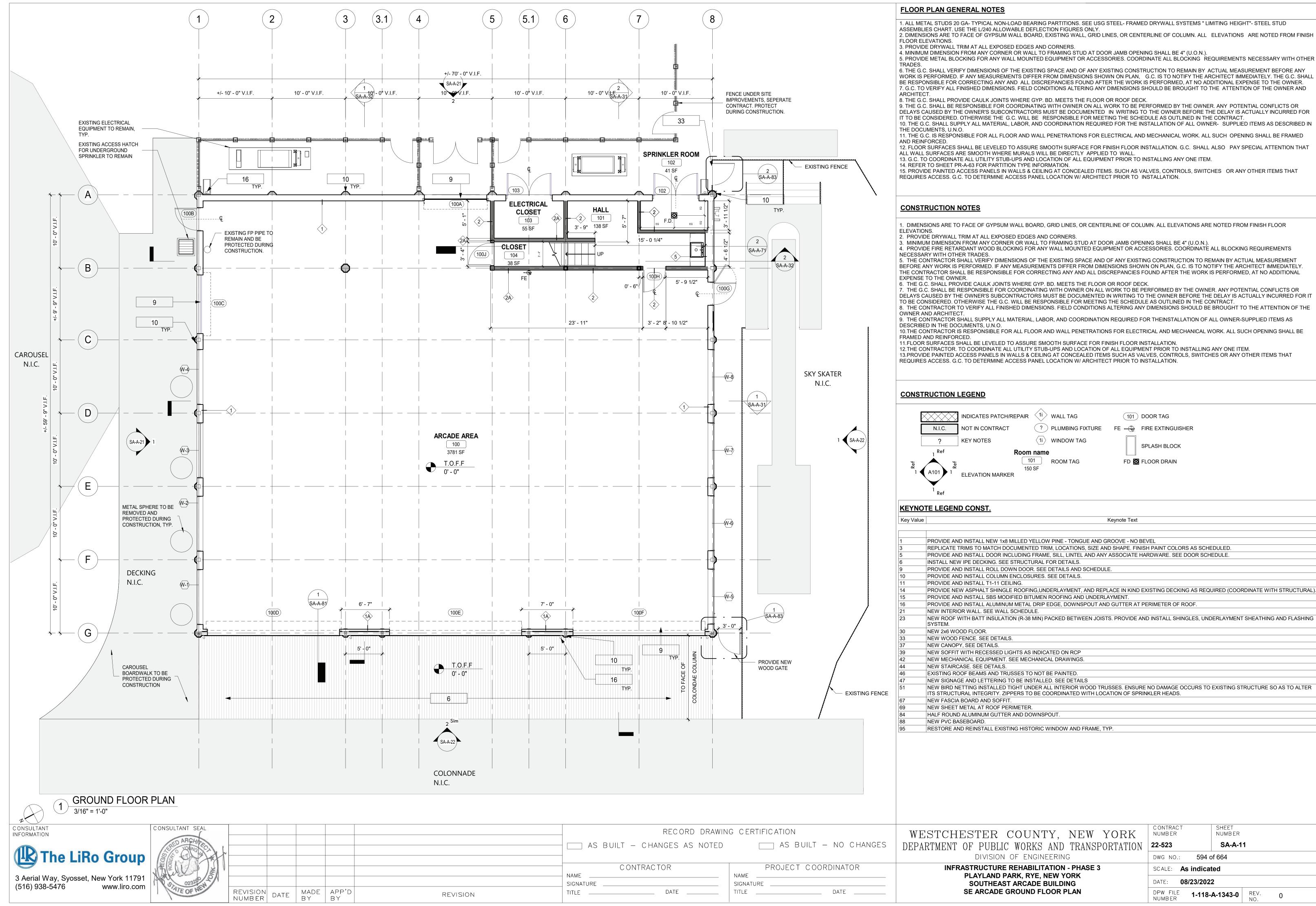
KEYNOTE LEGEND

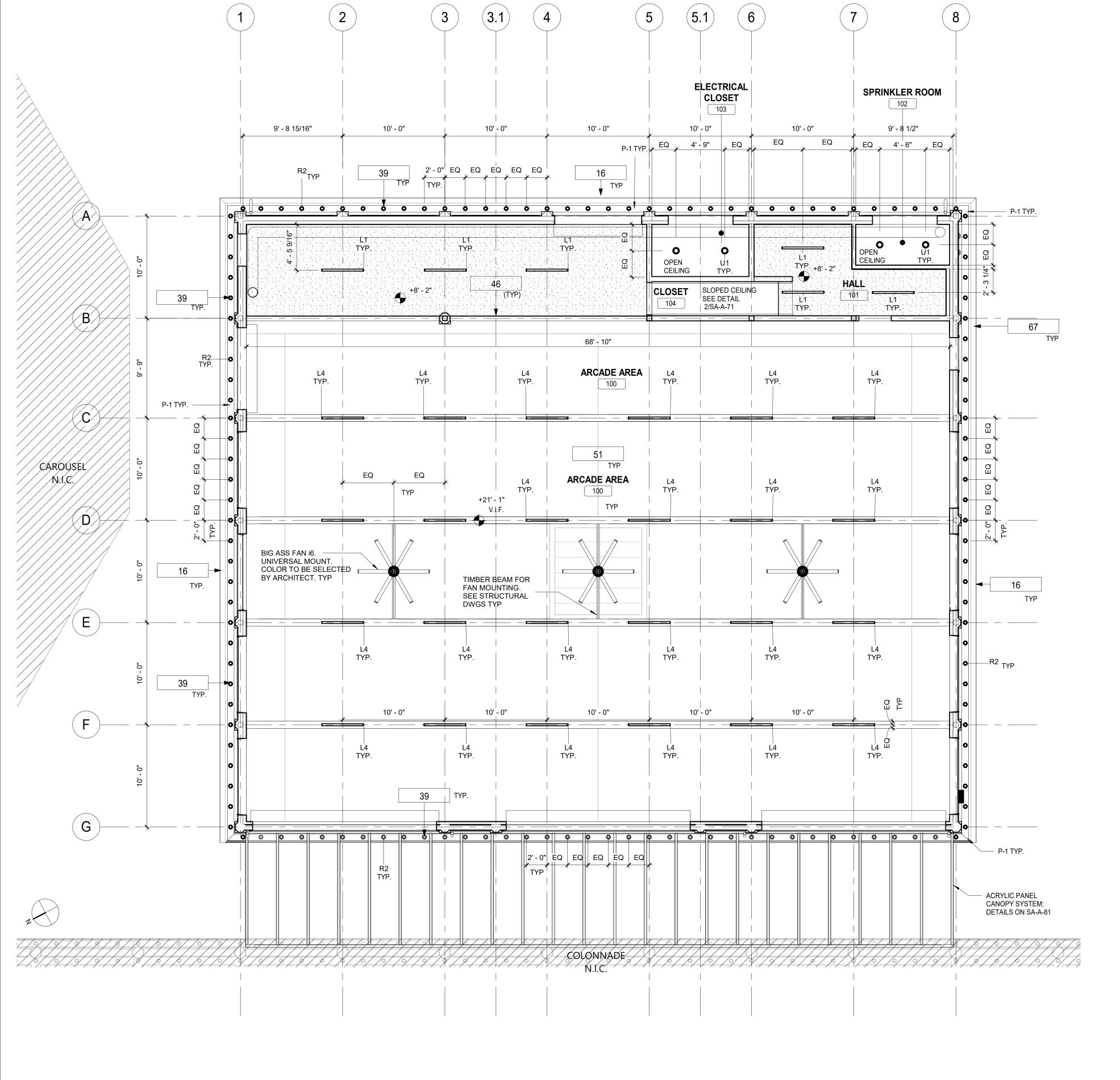
KEY NOTE	NOTE
DM-5	REMOVE COLUMN ENCLOSURES. CAREFULLY REMOVE AT LEAST ONE COLUMN ENCLOSURE TO USE AS REFERENCE IN ORDER TO REPLICATE TRIMS TO MATCH LOCATION, SIZE AND SHAPE AS INDICATED. COORDINATE WITH STRUCTURAL DRAWINGS.
DM-9	CONTRACTOR TO REMOVE ANY REMAINING EQUIPMENT AND BUILDING CONTENT. CONTENT MAY INCLUDE BUT NOT LIMITED TO REFRIGERATOR, STORAGE, RACKS, AC UNITS, GAMES ETC.
DM-13	REMOVE EXISTING CEILING AND ALL ACCESSORIES AND EQUIPMENT.
DM-14	REMOVE EXISTING LIGHTING FIXTURES AND ELECTRICAL WIRING CONNECTED TO THESE FIXTURES. SEE ELECTRICAL FOR DETAILS.
DM-39	REMOVE MEZZANINE STRUCTURE IN ITS ENTIRETY.
DM-45	EXISTING TRUSS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
DM-63	CONTRACTOR TO CAREFULLY DOCUMENT AND REMOVE ALL EXISTING FACADE MATERIALS AND TRIM.











GROUND LEVEL REFLECTED CEILING PLAN 3/16" = 1'-0"

3 Aerial Way, Syosset, New York 11791 www.liro.com

CONSULTANT SEAL NUMBER

CONTRACTOR SIGNATURE MADE APP'D BY BY DATE

REVISION

AS BUILT — CHANGES AS NOTED

DATE ____

PROJECT COORDINATOR NAME SIGNATURE _

____ AS BUILT - NO CHANGES

RECORD DRAWING CERTIFICATION

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

SOUTHEAST ARCADE BUILDING

SE ARCADE REFLECTED CEILING PLANS

INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK

NUMBER 22-523 **SA-A-12** 595 of 664 DWG NO.: SCALE: **As indicated** DATE: **08/23/2022 1-118-A-1344-0** REV. NO.

RCP GENERAL NOTES

1. CEILING TILES TO BE CENTERED BOTH WAYS IN EACH OR UNLESS DIMENSIONED OTHERWISE 2. ALL DIMENSIONS ARE TO THE CENTER OF LIGHT FIXTURE, U.N.O.

3. FIXTURES LOCATED WITHIN THE CEILING GRID, ARE NOT NECESSARILY CENTERED IN EACH CEILING TILE. FOLLOW DIMENSIONS ON PLAN. IF NO DIMENSION IS PRESENT CONTACT ARCHITECT TO VERIFY LOCATION.

4. LIGHT FIXTURES TO BE LOCATED AS INDICATED ON THIS PLAN. REFER TO ELECTRICAL DRAWINGS FOR EXACT NUMBER AND TYPE OF LIGHT FIXTURE. CONTACT ARCHITECT/ ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES. 5. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL DUCT DISTRIBUTION SYSTEM.

6. THE G.C. SHALL SET ALL CEILING AND SOFFITS USING A LASER LEVEL TO ACHIEVE A CEILING THAT IS PLUMBING, LEVEL, AND SQUARE TO ALL WALLS AND 7. ALL NOTED CEILING DIMENSIONS ARE INDICATED AS CLEAR ABOVE FINISHED FLOOR DIMENSIONS. VERIFY THICKNESS OF FLOOR CONSTRUCTION WITH

FLOOR SUBCONTRACTOR PRIOR TO THE INSTALLATION OF ANY NEW CEILING CONSTRUCTION IN ORDER TO ACHIEVE NOTED REQUIRED DIMENSIONS.

9. ALL EXTERIOR DIMENSIONS ARE TO THE FACE OF EXTERIOR FINISH, U.N.O. 10. G.C. TO PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILINGS, AND PERTINENT ITEMS, NECESSARY. TO MAINTAIN THE SPECIFIC HEIGHTS ABOVE FINISH FLOOR. COORDINATE MECHANICAL, ELECTRICAL AND PLUMBING AS REQUIRED.

11. ADDITIONAL HANGER AND SAFETY WIRES FOR LIGHT FIXTURES AND AIR SUPPLY/ RETURN DIFFUSERS AS REQUIRED BY LOCAL CODES TO BE THE RESPONSIBILITY OF THE SUB-CONTRACTOR. ALL WIRING SUPPORT TO BE "CEILING GRADE" AS CONCURRENT WITH ELECTRICAL CODE ADOPTED FOR JURISDICTION OF PROJECT.

12. ALL CEILING ELEVATIONS DIMENSIONED FROM FINISH FLOOR BELOW.

8. ALL SOFFIT DIMENSIONS ARE TO FINISH FACE, U.N.O.

RCP PLAN NOTES

1. REFER TO FINISH SCHEDULE FOR CEILING TYPES AND HEIGHTS.

2. LOCATIONS OF LIGHT FIXTURES SHALL BE COORDINATED WITH MECHANICAL, ELECTRICAL, SPRINKLER, FIRE DETECTION, SURVEILLANCE, ETC. EQUIPMENT. 3. CONTRACTOR SHALL PROVIDE THE NECESSARY FRAMING OR BRIDGING FOR ALL LIGHT FIXTURES, DIFFUSERS, RETURNS, ETC., AS WELL AS REQUIRED

4. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY POSSIBLE INTERFERENCES BEFORE PROCEEDING WITH CEILING INSTALLATION. 5. COORDINATE ALL TRADES INVOLVED IN ABOVE CEILING WORK TO ENSURE CLEARANCE OF FIXTURE, DUCTS, CEILING, ETC., NECESSARY TO MAINTAIN THE

SPECIFIED CEILING HEIGHT ABOVE THE FINISHED FLOOR. NOTIFY ARCHITECT OF ANY CONFLICTS. 6. CEILING CONSTRUCTION SHALL NOT BE CLOSED IN UNTIL ALL DUCTWORK, PLUMBING, ELECTRICAL CONDUITS AND LINES HAVE BEEN INSPECTED FOR PROPER INSTALLATION.

7. THE CEILING PANEL JOINTS SHALL BE ALIGNED PERFECTLY WITH LIGHTING FIXTURES.

8. ALL JOINTS IN THE PANEL SHALL BE SQUARE, LEVEL AND PERFECTLY ALIGNED WITH EACH OTHER AND WITH BUILDING FIXTURES. 9. UNLESS NOTED ON THE REFLECTED CEILING PLAN, ALL LIGHT FIXTURES SHALL BE EQUALLY SPACED AND CENTERED IN THE SPACE.

10.ALL DIMENSIONS ARE TO FINISHED FACE OF WALL OR CENTERLINE OF LIGHT FIXTURES. CENTERLINES ARE IMPLIED ON DRAWINGS. 11. CONTRACTOR SHALL INSTALL ACCESS PANELS IN T1-11 CEILINGS FOR ACCESS TO MECHANICAL, PLUMBING, TELEPHONE & ELECTRICAL CONTROL

EQUIPMENT REQUIRING ACCESS. 12.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.

13.CONTRACTOR TO PROVIDE PAINTED FINISH AS SPECIFY FOR ALL EXPOSED PLUMBING, MECHANICAL, FIRE PROTECTION, & OTHER BUILDING SYSTEM COMPONENTS. COORDINATE COLOR SELECTION WITH ARCHITECT.

14.PREP/PAINT ALL EXPOSED TRUSSED. BEAMS, & OTHER EXISTING SURFACES AS FINISH SURFACES. 15.LOCATION OF SUSPENDED LIGHT FIXTURES SHALL BE COORDINATED WITH THE FIXTURES BELOW. 16.REFER TO THE ELECTRICAL DRAWINGS FOR ALL CIRCUITING AND TYPE OF LIGHTING FIXTURE IN THE LEGEND.

17.ALL SUSPENDED FIXTURES SHALL BE SUPPORTED BY AIRPLANE CABLE OF SUFFICIENT SIZE TO SUPPORT FIXTURES. 18.REFER TO ARCHITECTURAL PLANS, SECTIONS, AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

19.EXISTING HORIZONTAL STORM DRAINAGE PIPING AND CONNECTIONS LOCATED ABOVE THE CEILING SHALL BE INSULATED. 20.LIGHT FIXTURES SHALL BE COORDINATED WITH MECHANICAL EQUIPMENT IN AREAS OF EXPOSED STRUCTURES.

RCP LEGEND

Key Value

0	R-2 EXTERIOR RECESSED CAN LIGHT IN SOFFIT L-1 SURFACE MOUNTED LINEAR LIGHT	EX ⊗ ⊠	EX- EXIT SIGN SUPPLY DIFFUSER. SEE MECHANICAL DRAWINGS
• • • • • • • • • • • • • • • • • • •	L-4 INTERIOR PENDANT LIGHT; MOUNTED TO BOTTOM OF TRUSS U-3 INTERIOR RECESSED CAN LIGHT	o OS	EXHAUST GRILL. SEE MECHANICAL DRAWINGS OS - OCCUPANCY SENSOR
	GYPSUM WALL BOARD CEILING GYP-1		CEILING FAN:
N.I.C.	INDICATES SCOPE NOT IN CONTRACT		TYPE: BIG ASS FAN i6 COLOR: TO BE SELECTED BY ARCHITECT
?	KEY NOTES		MOUNTING: UNIVERSAL MOUNT SEE DETAILS ON SHEET 10/SA-A-84

KEYNOTE LEGEND CONST.

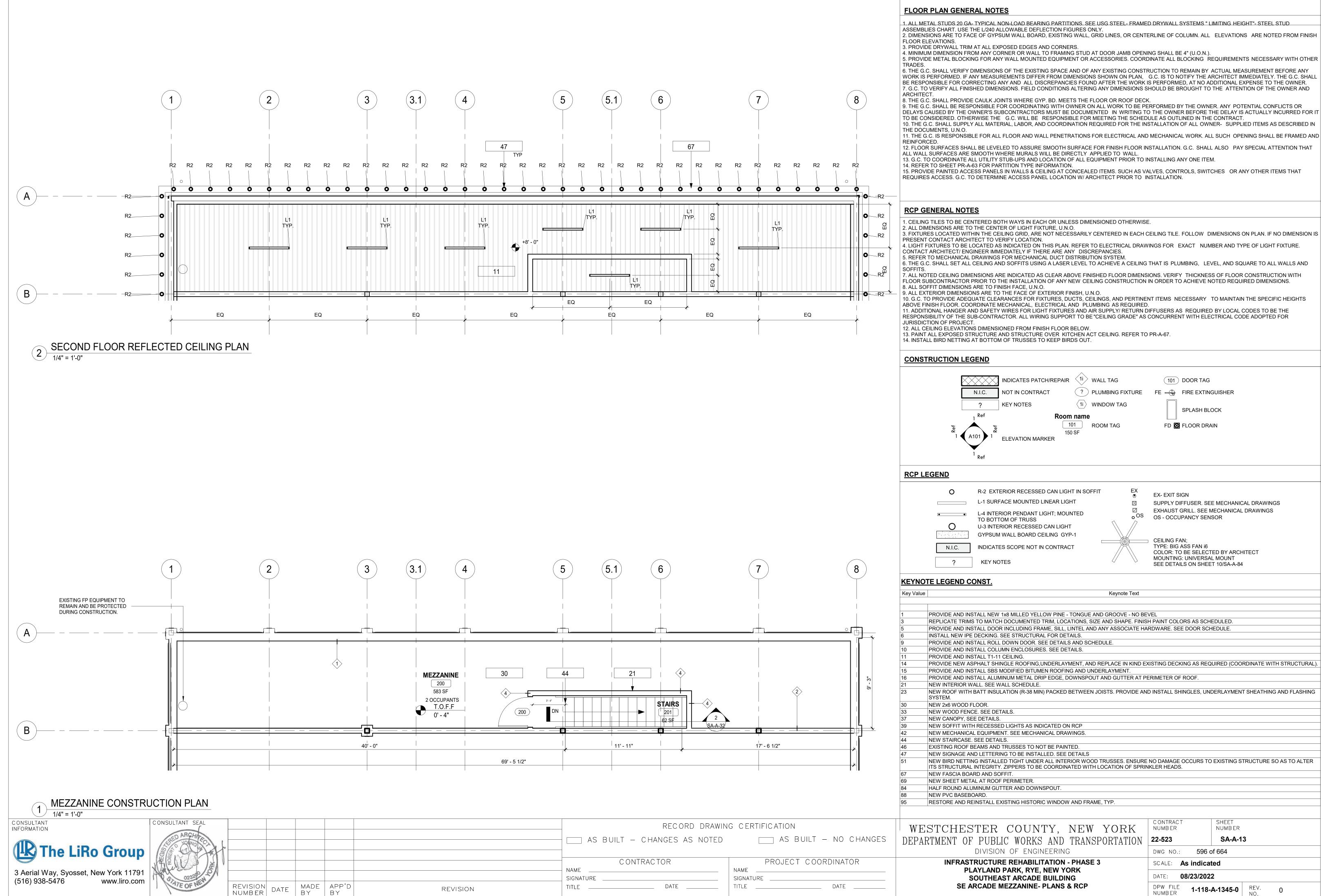
Keynote Text

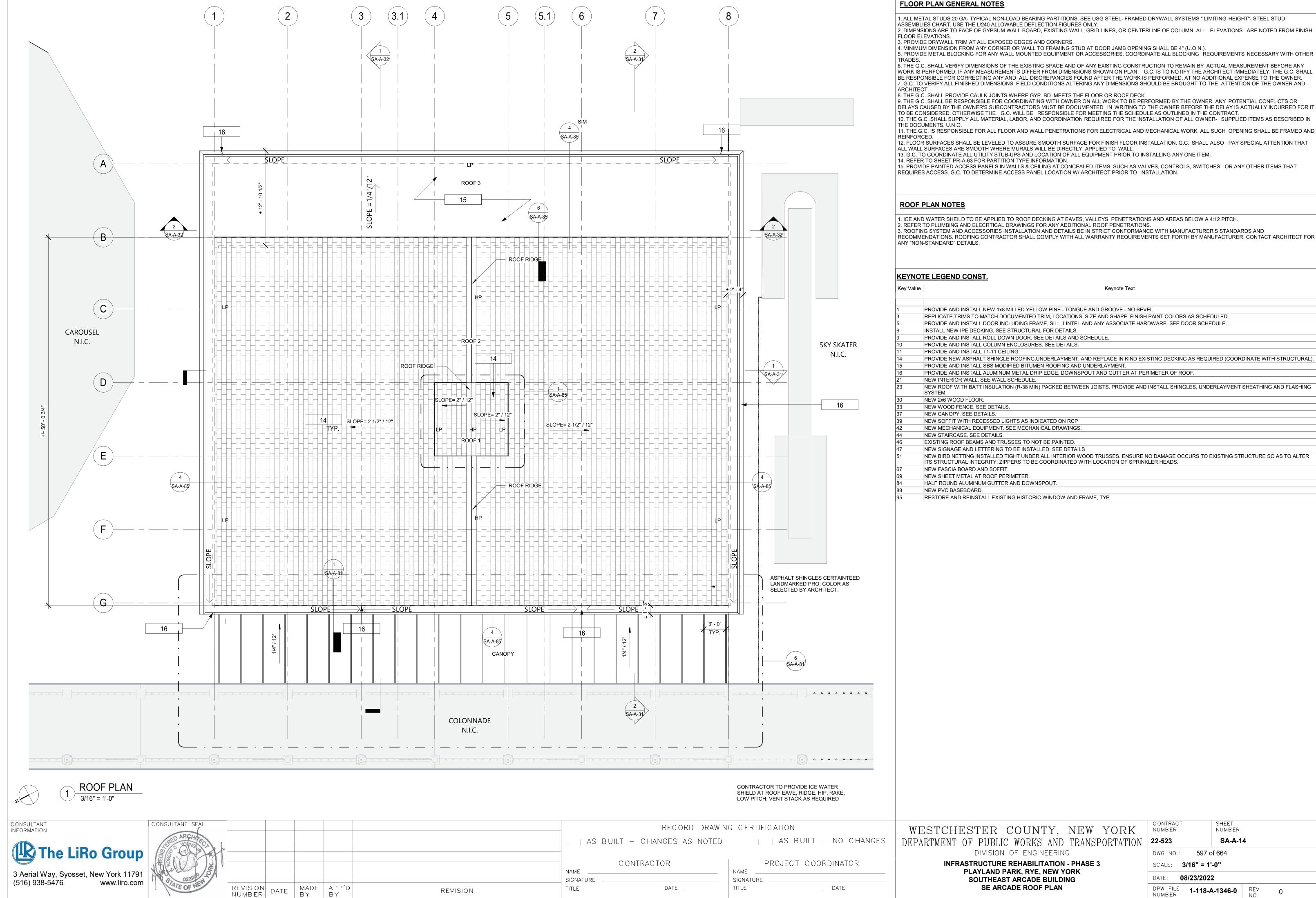
1	PROVIDE AND INSTALL NEW 1x8 MILLED YELLOW PINE - TONGUE AND GROOVE - NO BEVEL
3	REPLICATE TRIMS TO MATCH DOCUMENTED TRIM, LOCATIONS, SIZE AND SHAPE. FINISH PAINT COLORS AS SCHEDULED.
5	PROVIDE AND INSTALL DOOR INCLUDING FRAME, SILL, LINTEL AND ANY ASSOCIATE HARDWARE. SEE DOOR SCHEDULE.
6	INSTALL NEW IPE DECKING. SEE STRUCTURAL FOR DETAILS.
9	PROVIDE AND INSTALL ROLL DOWN DOOR. SEE DETAILS AND SCHEDULE.
10	PROVIDE AND INSTALL COLUMN ENCLOSURES. SEE DETAILS.
11	PROVIDE AND INSTALL T1-11 CEILING.
14	PROVIDE NEW ASPHALT SHINGLE ROOFING, UNDERLAYMENT, AND REPLACE IN KIND EXISTING DECKING AS REQUIRED (COORDINATE WITH STRUCTURAL
15	PROVIDE AND INSTALL SBS MODIFIED BITUMEN ROOFING AND UNDERLAYMENT.
16	PROVIDE AND INSTALL ALUMINUM METAL DRIP EDGE, DOWNSPOUT AND GUTTER AT PERIMETER OF ROOF.
21	NEW INTERIOR WALL. SEE WALL SCHEDULE.
23	NEW ROOF WITH BATT INSULATION (R-38 MIN) PACKED BETWEEN JOISTS. PROVIDE AND INSTALL SHINGLES, UNDERLAYMENT SHEATHING AND FLASHING SYSTEM.
30	NEW 2x6 WOOD FLOOR.
33	NEW WOOD FENCE. SEE DETAILS.
37	NEW CANOPY, SEE DETAILS.
39	NEW SOFFIT WITH RECESSED LIGHTS AS INDICATED ON RCP
42	NEW MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS.
44	NEW STAIRCASE. SEE DETAILS.
46	EXISTING ROOF BEAMS AND TRUSSES TO NOT BE PAINTED.
47	NEW SIGNAGE AND LETTERING TO BE INSTALLED. SEE DETAILS
51	NEW BIRD NETTING INSTALLED TIGHT UNDER ALL INTERIOR WOOD TRUSSES. ENSURE NO DAMAGE OCCURS TO EXISTING STRUCTURE SO AS TO ALTER ITS STRUCTURAL INTEGRITY. ZIPPERS TO BE COORDINATED WITH LOCATION OF SPRINKLER HEADS.
67	NEW FASCIA BOARD AND SOFFIT.
69	NEW SHEET METAL AT ROOF PERIMETER.
84	HALF ROUND ALUMINUM GUTTER AND DOWNSPOUT.
88	NEW PVC BASEBOARD.
95	RESTORE AND REINSTALL EXISTING HISTORIC WINDOW AND FRAME, TYP.

CONSULTANT

INFORMATION

(516) 938-5476





DATE _____

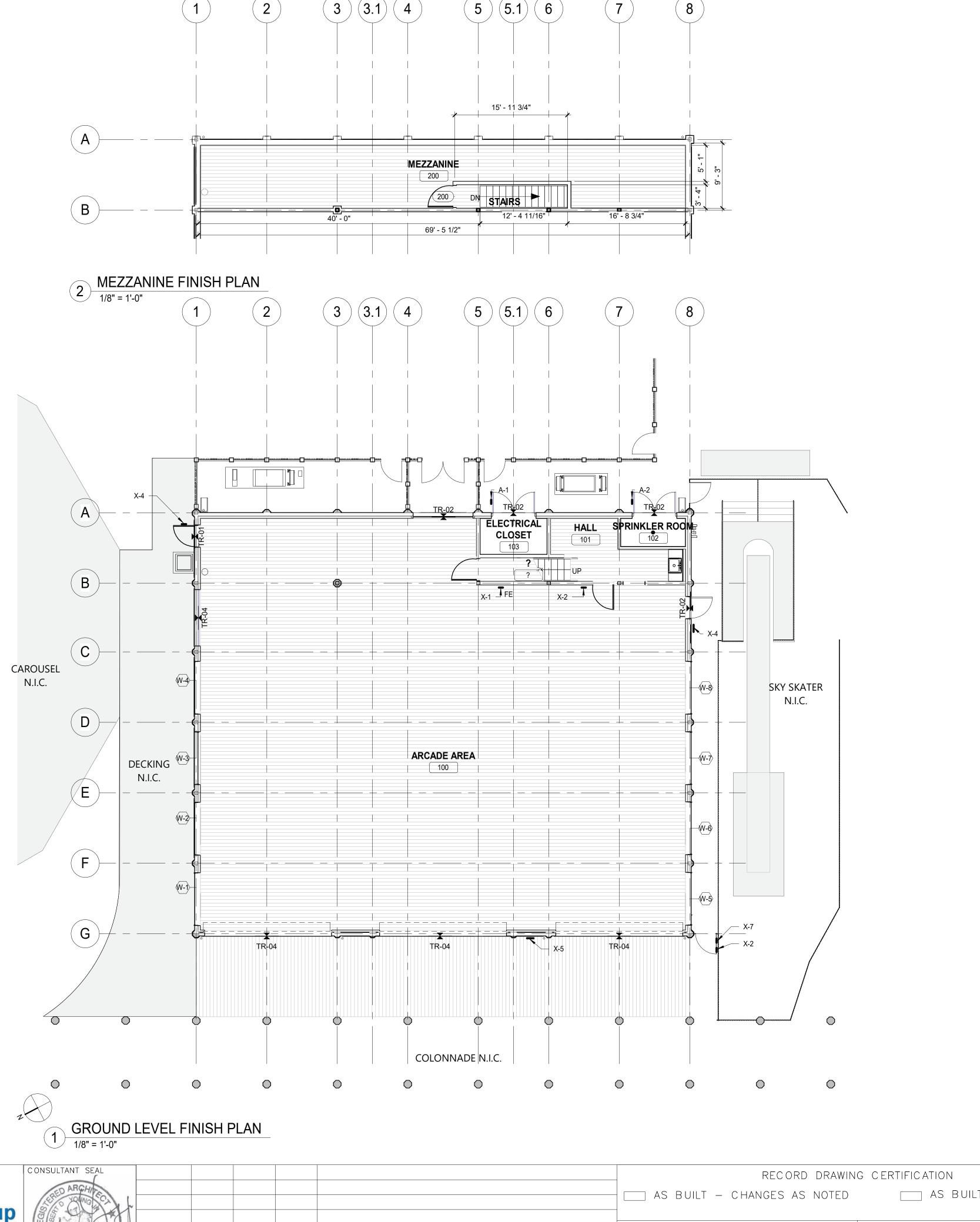
SE ARCADE ROOF PLAN

1-118-A-1346-0 REV. NO.

DATE

NUMBER

REVISION



FINISH PLAN NOTES

- INDICATES TYPICAL FINISHES WITHIN ROOM, U.O.N. SEE FINISH SCHEDULE FOR MORE INFORMATION.
- . ALL FLOORING COVERING MATERIALS TO BE INSTALLED PER MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS. VERIFY WITH MANUFACTURER PRIOR INSTALLATION.
- THE G.C. IS RESPONSIBLE FOR PROVIDING A SMOOTH LEVEL FLOOR SURFACE THAT MEETS MANUFACTURERS INSTALLATION SPECIFICATIONS PRIOR TO
- THE INSTALLATION OF ALL FLOORING MATERIALS. . 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. 6. 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.
- 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. ALL SURFACES WHICH ARE TO RECEIVE A PAINT FINISH SHALL BE PRIMED AND FINISHED IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS.
-). 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 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. 17. PROVIDE ALLOWANCE OF \$2,500 PER WINDOW FOR WINDOW TREATMENT.

FINISH LEGEND

SIGNAGE - SEE DETAILS ON SA-A-82 N.I.C. NOT IN CONTRACT IPE WOOD DECKING **EPOXY FLOORING** WOOD PLANK ____ TRANSITION STRIP - SEE DETAILS ON SA-A-93 TR-XX

SOUTH EAST ARCADE FINISH SCHEDULE

ROOM#	ROOM NAME	CEILING	WALLS	WALL BASE	<u>FLOOR</u>	DOORS AND TRIM
100	ARCADE AREA	P-1	P-1	WB-1	WD-3	REFER TO DOOR SCHEDULE ON SA-A- 91
101	HALL	GYP	P-1	WB-1	WD-3	REFER TO DOOR SCHEDULE ON SA-A- 91
102	SPRINKLER ROOM	OPEN	P-1	WB-4	EP-1	REFER TO DOOR SCHEDULE ON SA-A- 91
103	ELECTRICAL CLOSET	OPEN	P-1	WB-4	EP-1	REFER TO DOOR SCHEDULE ON SA-A- 91
104	CLOSET	GYP	P-1	WB-1	WD-3	REFER TO DOOR SCHEDULE ON SA-A- 91
200	MEZZANINE	T1-11	P-1	WB-1	WD-3	REFER TO DOOR SCHEDULE ON SA-A- 91

FINISH LEGEND

CEILING	(FOR CEILING DETAILS, SEE SA-A-84)
P-1	MFR: BENJAMIN MOORE - MODEL: #901 - COLOR: MYSTICAL POWERS
GYP	GYPSUM BOARD MFR:TBD - MODEL: 5/8" THICK - COLOR: AS INDICATED ON FINISH PLAN (FOR PAINT TYPE AND SYSTEMS, SEE SPECIFICATIONS)
T1-11	MFR:TBD - COLOR: PREMIUM GRADE PLYWOOD SIDING - SIZE: 4'x8'x11/32"- REMARKS: GROOVED 2" O.C.

<u>WALL</u>	(FOR WALL DETAILS, SEE SA-A-93)

MFR: BENJAMIN MOORE - MODEL: #901 - COLOR: MYSTICAL POWERS

(FOR THRESHOLD DETAILS, SEE SA-A-93)

(FOR WALL BASE DETAILS, SEE SA-A-93)

MFR: - MATERIAL: HARDWOOD OR MDF - COLOR: AS INDICATED ON FINSIH PLAN - SIZE: 1"x6" - REMARK: SQUARE BASE MFR: DUR-A-FLEX - MATERIAL: EPOXY COVE BASE - MODEL: MACRO CHIP COLOR BLEND - COLOR: PEWTER

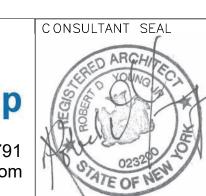
WD-1 IPE DECKING MFR:TBD - MODEL: 2x6 PREMIUM GRADE/ FAS- COLOR: TBD - REMARK:1x6 NOMINAI WD-2 WOOD PLANKS **MFR**: TBD - **MODEL**: 2x6 - **COLOR**: TBD

WD-3 PLYWOOD FLOORING MFR: TBD - MODEL: 3/4" THICK - COLOR: EXTERIOR GRADE PLYWOOD SHEATHING

EP-1 EPOXY FLOORING **MFR**: DUR-A-FLEX - **MODEL**: MACRO CHIP COLOR BLEND - **COLOR**: PEWTER- **REMARK**: COVE BASE TO MATCH; WB-4

TR-01 WOOD TO WOOD DOOR SILL (DOOR)

TR-02 EXTERIOR DOOR SILL (DOOR) EXTERIOR DOOR SILL (ROLL- UP DOOR)



DATE

NUMBER

SIGNATURE MADE APP'D BY BY

REVISION

____ AS BUILT - NO CHANGES PROJECT COORDINATOR CONTRACTOR

____ DATE _____

NAME

SIGNATURE _____

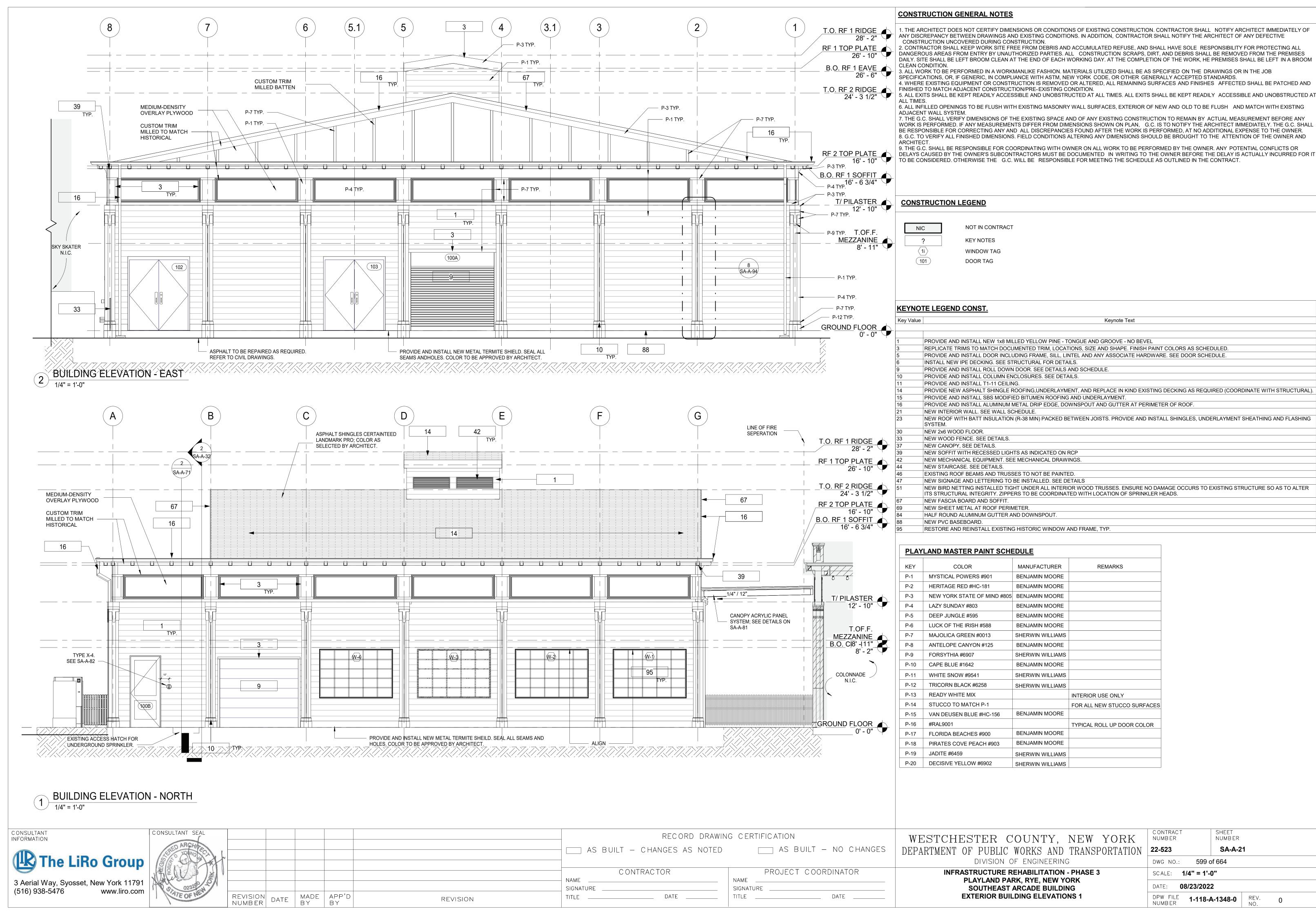
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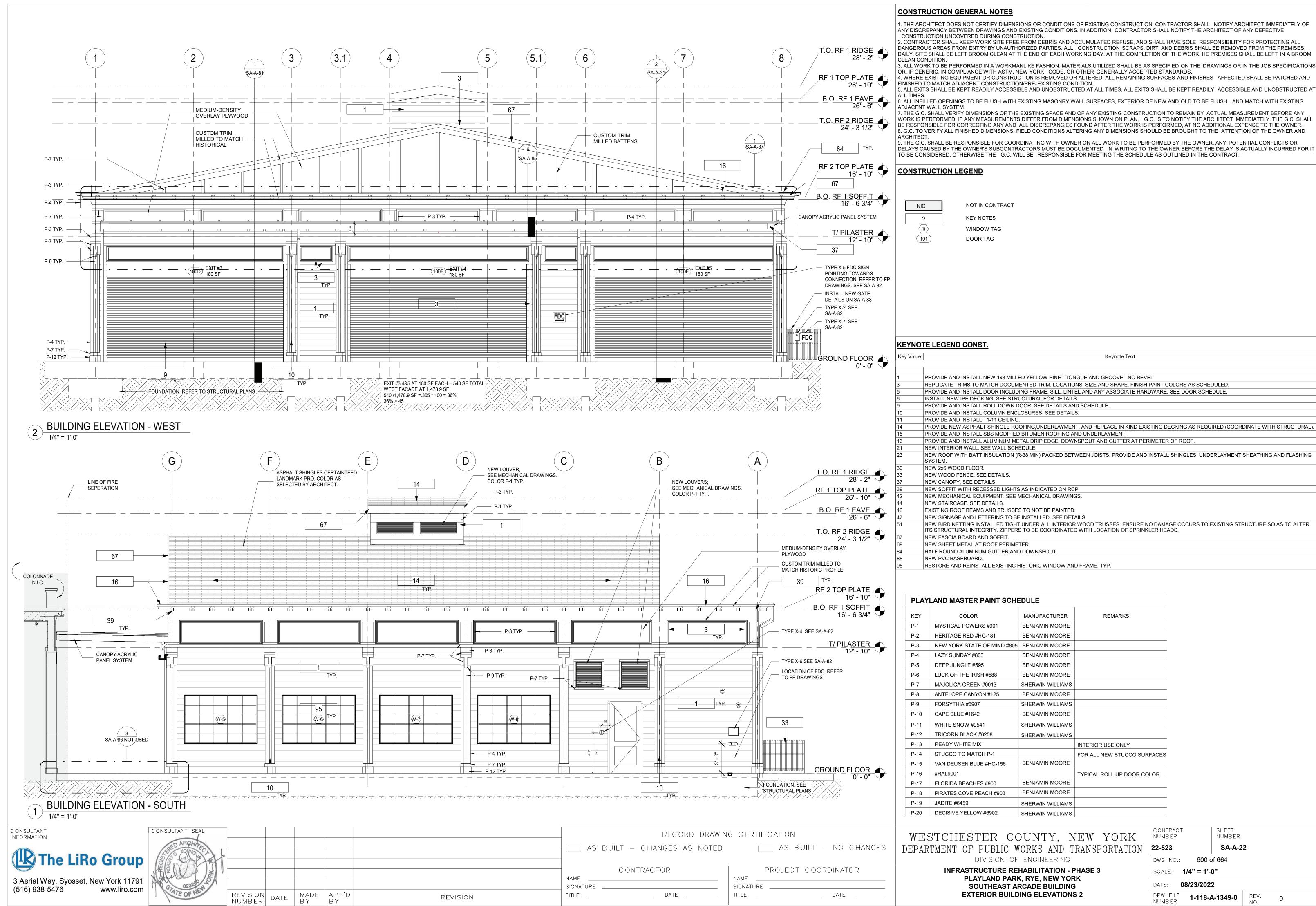
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING

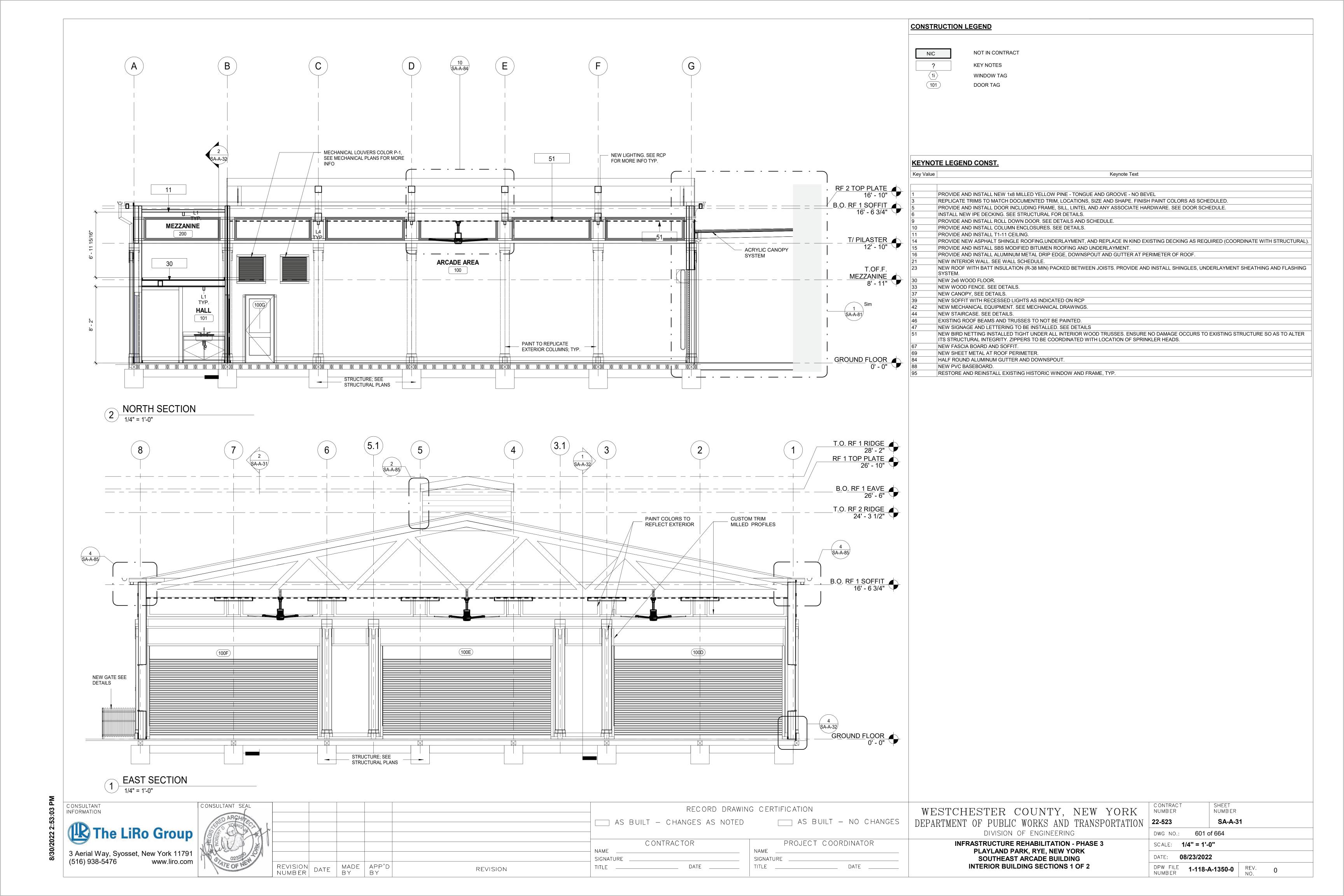
NUMBER 22-523 SA-A-15 DWG NO.: **598 of 664** SCALE: **As indicated** DATE: **08/23/2022**

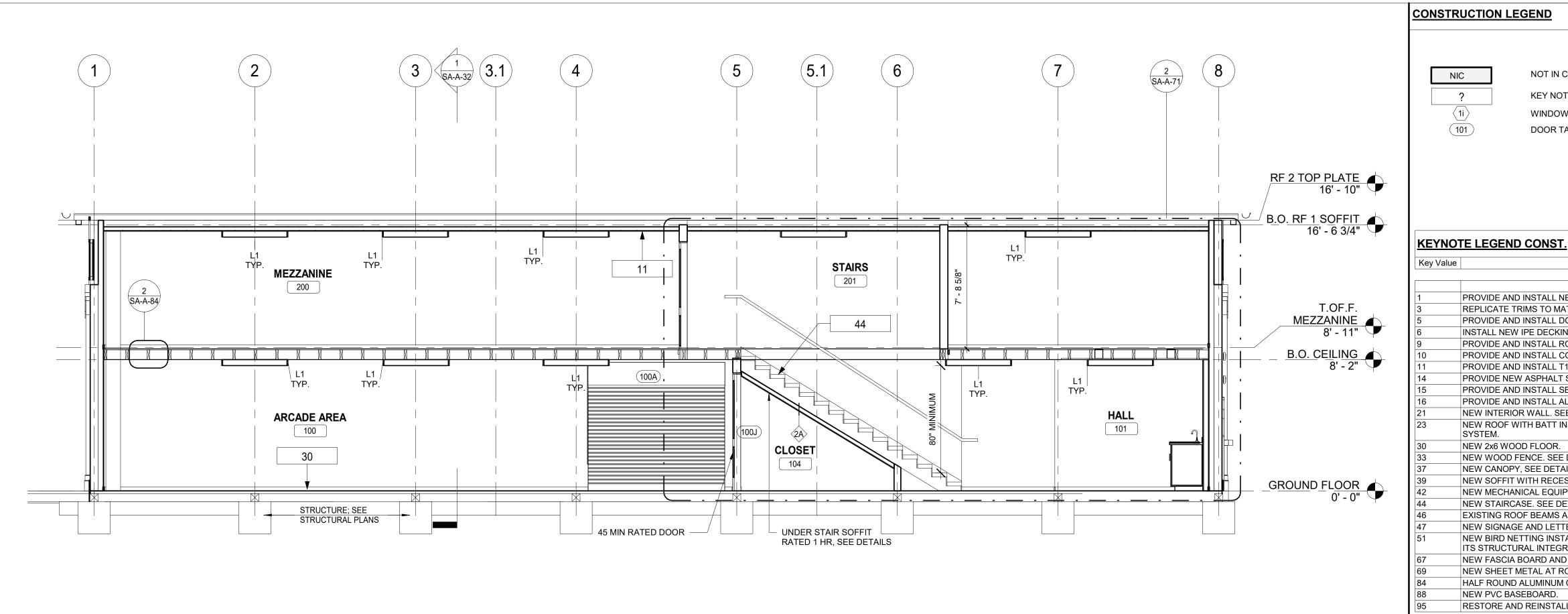
1-118-A-1347-0 REV. NO. 0

INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING SE ARCADE FINISH PLANS



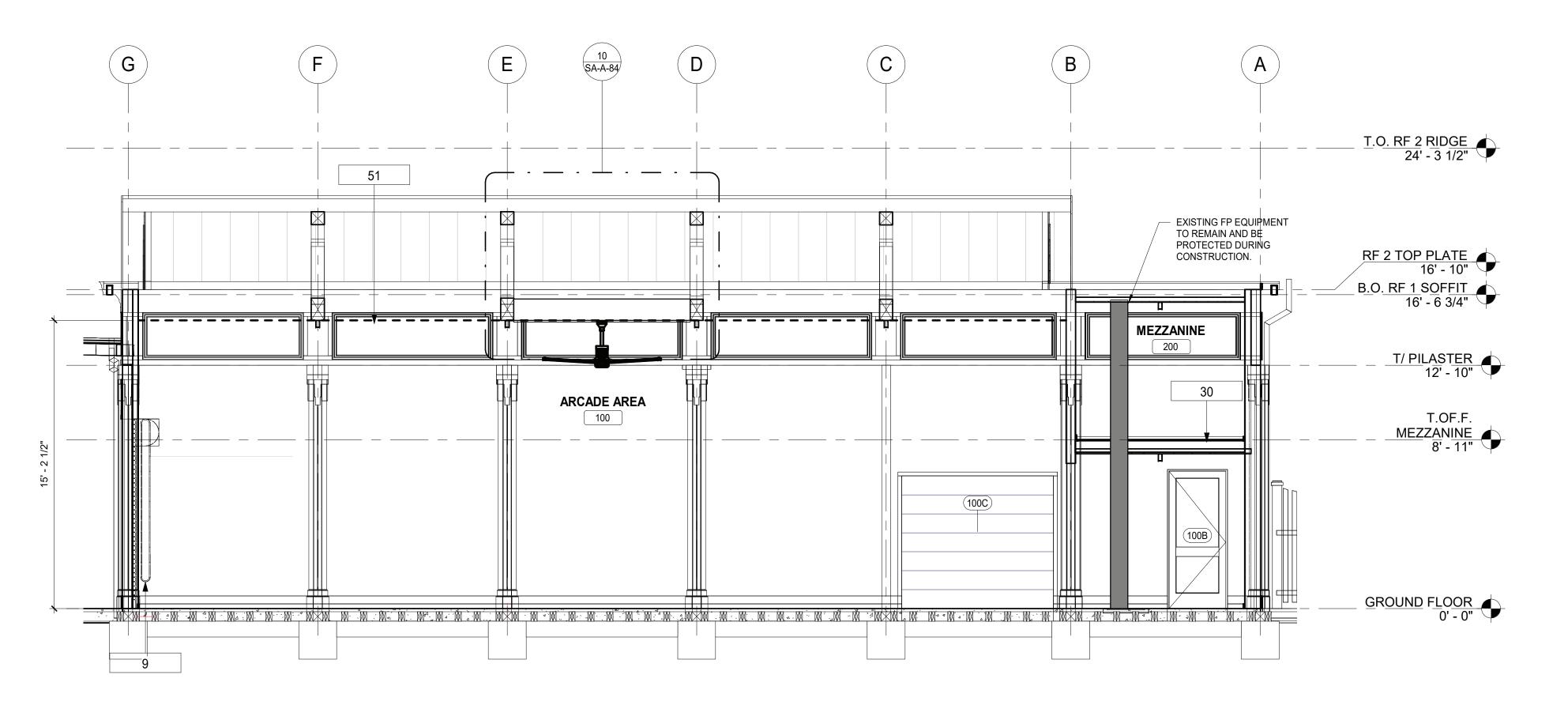






WEST INTERIOR SECTION

1/4" = 1'-0"



SOUTH INTERIOR ELEVATION 1 SOUTH
1/4" = 1'-0"

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CONSULTANT SEAL RECORD DRAWING CERTIFICATION ____ AS BUILT - NO CHANGES AS BUILT - CHANGES AS NOTED PROJECT COORDINATOR CONTRACTOR NAME SIGNATURE _____ MADE APP'D BY BY TITLE _____ DATE _____ NUMBER DATE REVISION

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

NOT IN CONTRACT

PROVIDE AND INSTALL NEW 1x8 MILLED YELLOW PINE - TONGUE AND GROOVE - NO BEVEL

INSTALL NEW IPE DECKING. SEE STRUCTURAL FOR DETAILS.

PROVIDE AND INSTALL COLUMN ENCLOSURES. SEE DETAILS.

NEW SOFFIT WITH RECESSED LIGHTS AS INDICATED ON RCP NEW MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS.

EXISTING ROOF BEAMS AND TRUSSES TO NOT BE PAINTED.

NEW SIGNAGE AND LETTERING TO BE INSTALLED. SEE DETAILS

RESTORE AND REINSTALL EXISTING HISTORIC WINDOW AND FRAME, TYP.

PROVIDE AND INSTALL T1-11 CEILING.

SYSTEM.

NEW 2x6 WOOD FLOOR.

NEW WOOD FENCE. SEE DETAILS.

NEW STAIRCASE. SEE DETAILS.

NEW FASCIA BOARD AND SOFFIT.

NEW PVC BASEBOARD.

NEW SHEET METAL AT ROOF PERIMETER.

HALF ROUND ALUMINUM GUTTER AND DOWNSPOUT.

NEW CANOPY, SEE DETAILS.

NEW INTERIOR WALL. SEE WALL SCHEDULE.

PROVIDE AND INSTALL ROLL DOWN DOOR. SEE DETAILS AND SCHEDULE.

PROVIDE AND INSTALL SBS MODIFIED BITUMEN ROOFING AND UNDERLAYMENT.

REPLICATE TRIMS TO MATCH DOCUMENTED TRIM, LOCATIONS, SIZE AND SHAPE. FINISH PAINT COLORS AS SCHEDULED.

PROVIDE AND INSTALL DOOR INCLUDING FRAME, SILL, LINTEL AND ANY ASSOCIATE HARDWARE. SEE DOOR SCHEDULE.

PROVIDE AND INSTALL ALUMINUM METAL DRIP EDGE, DOWNSPOUT AND GUTTER AT PERIMETER OF ROOF.

ITS STRUCTURAL INTEGRITY. ZIPPERS TO BE COORDINATED WITH LOCATION OF SPRINKLER HEADS.

KEY NOTES

WINDOW TAG DOOR TAG

INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING **INTERIOR BUILDING SECTIONS 2 OF 2**

SHEET NUMBER CONTRACT SA-A-32 22-523 602 of 664 DWG NO.: SCALE: **As indicated** DATE: **08/23/2022** DPW FILE **1-118-A-1351-0** REV. NO. 0

BRING EPOXY COATING UP 4" A.F.F. NEW WOOD SIDING INFILL / PATCH EXISTING FLOORING, LEVEL, AND PROVIDE NEW EPOXY FLOORING ON TOP. GFRC BASE BEYOND FINISH FLOOR
0' - 0" COPPER FLASHING DRIP EDGE WITH CLEAT **EXISTING HOLLOWCORE** PRESSURE TREATED CONCRETE PANEL WOOD BLOCKING EXIST. CONC. GRADE BEAM EXISTING FOUNDATION BUILDING SECTION CONDITION AT GRADE

1" = 1'-0"

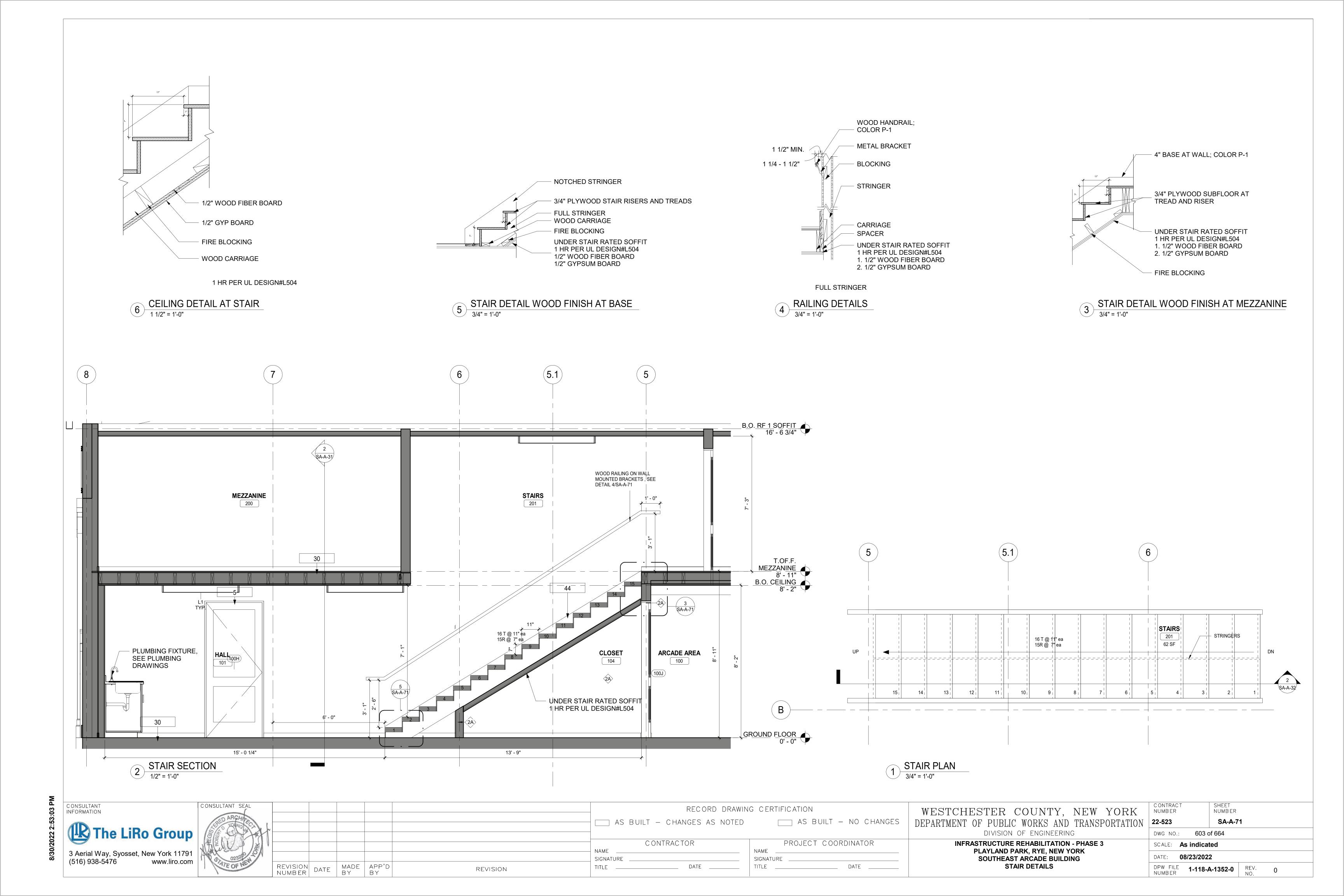
Keynote Text

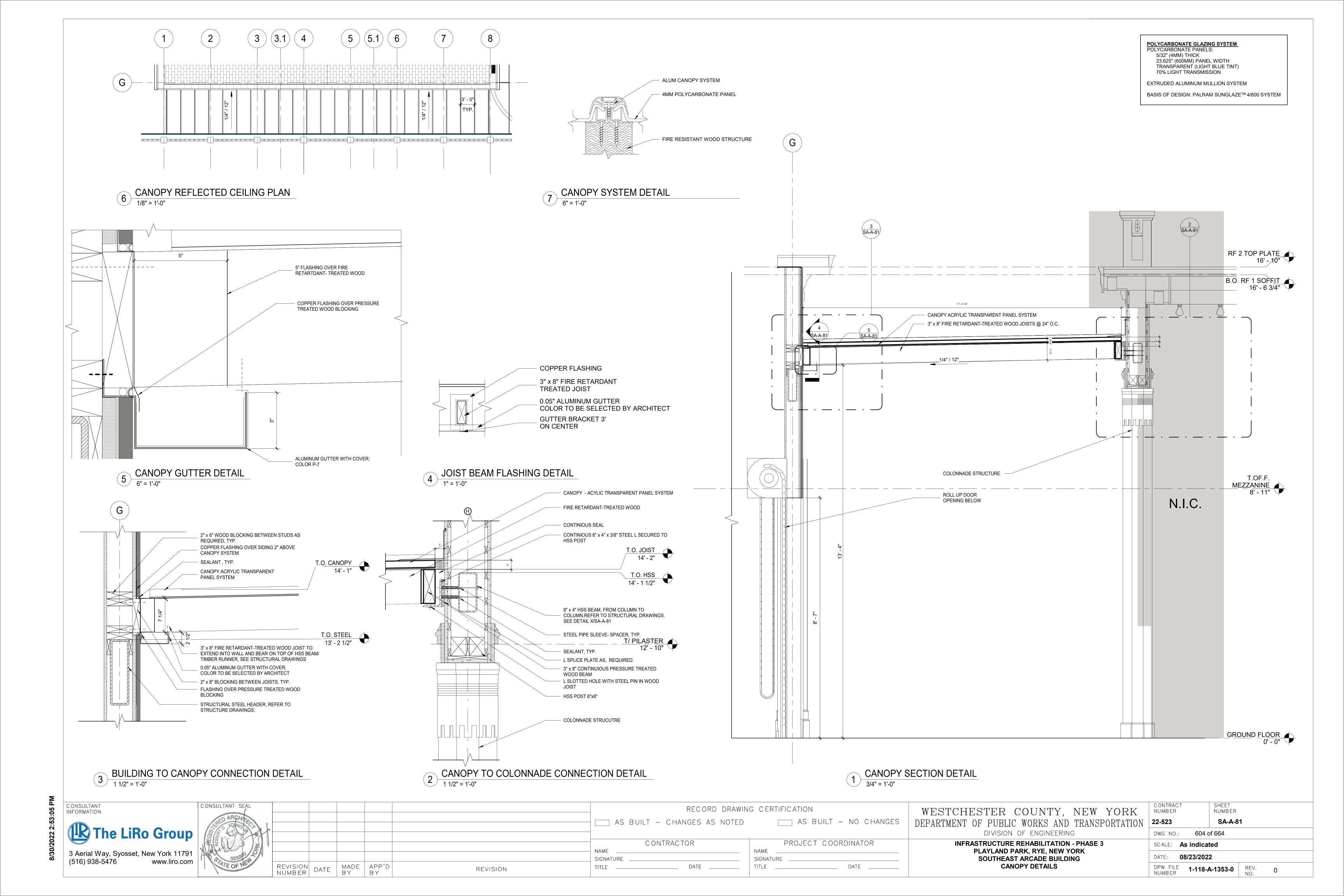
PROVIDE NEW ASPHALT SHINGLE ROOFING, UNDERLAYMENT, AND REPLACE IN KIND EXISTING DECKING AS REQUIRED (COORDINATE WITH STRUCTURAL).

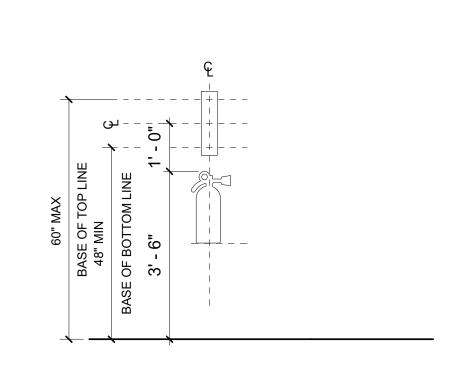
NEW ROOF WITH BATT INSULATION (R-38 MIN) PACKED BETWEEN JOISTS. PROVIDE AND INSTALL SHINGLES, UNDERLAYMENT SHEATHING AND FLASHING

NEW BIRD NETTING INSTALLED TIGHT UNDER ALL INTERIOR WOOD TRUSSES. ENSURE NO DAMAGE OCCURS TO EXISTING STRUCTURE SO AS TO ALTER

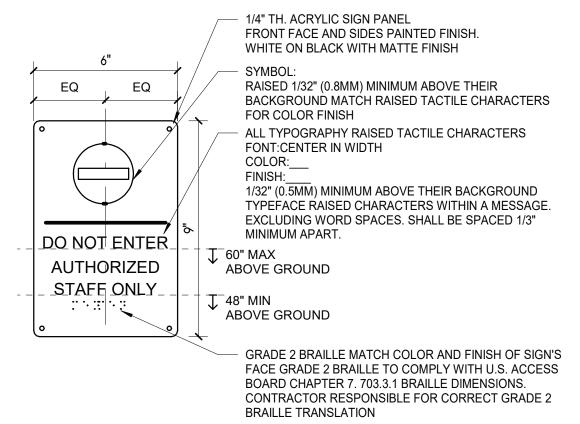
CONSULTANT INFORMATION



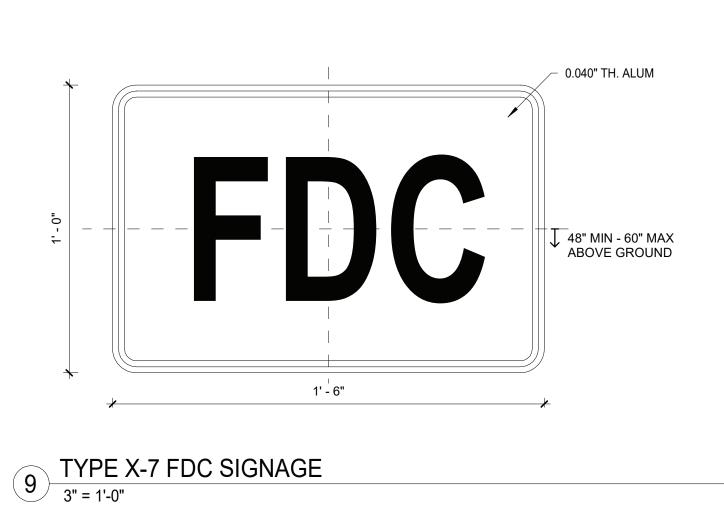


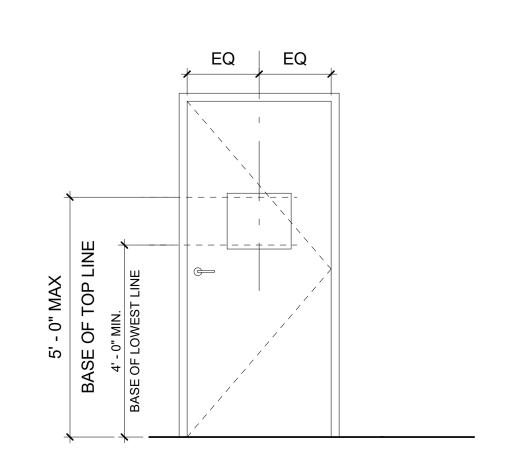


FIRE EXTINGUISHER SIGN LOCATION ELEVATION 1/2" = 1'-0"

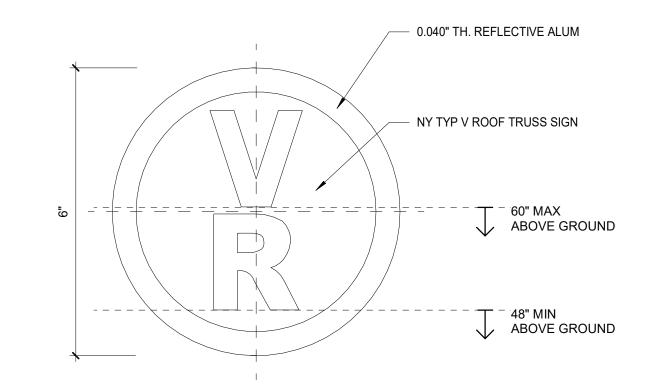


5 TYPE X-2 - STAFF ONLY SIGN 3" = 1'-0"

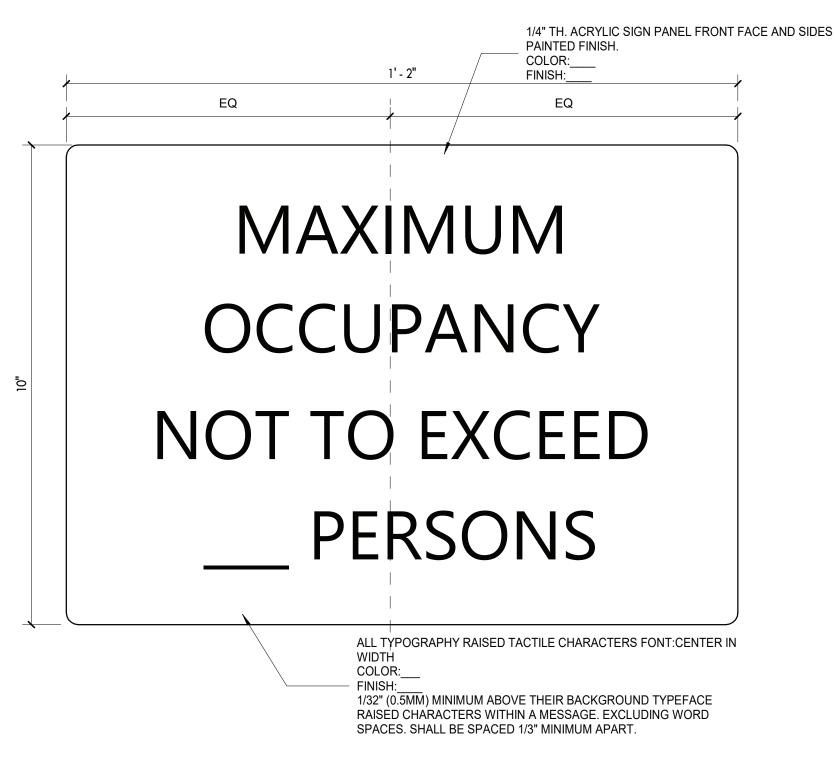


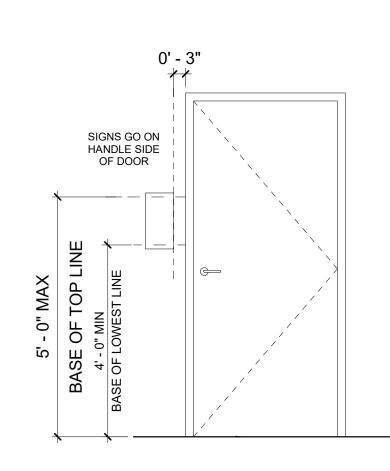


SIGN LOCATION ELEVATION TYPICAL DOOR CONDITION 2 1/2" = 1'-0"

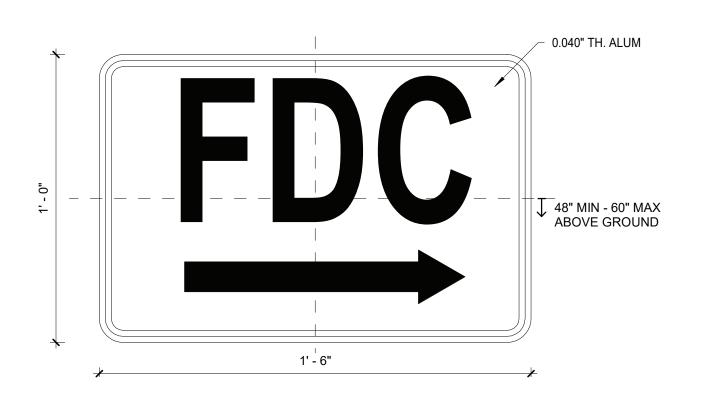


TYPE X-4 TRUSS SIGNAGE CLASS VR

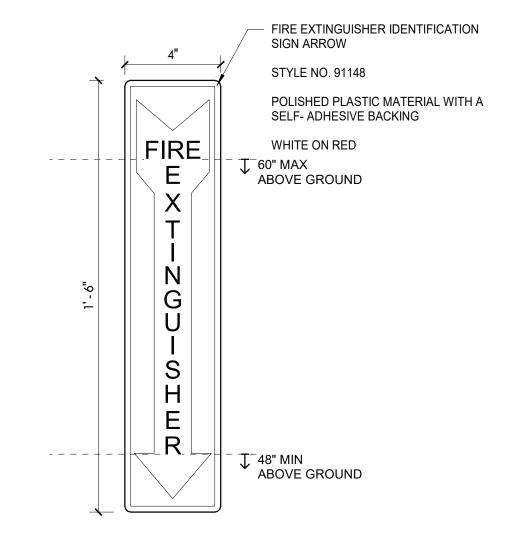




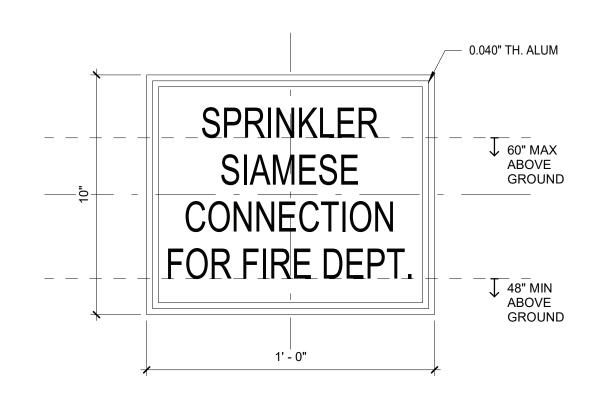
3 SIGN LOCATION ELEVATION TYPICAL DOOR CONDITION
1/2" = 1'-0"



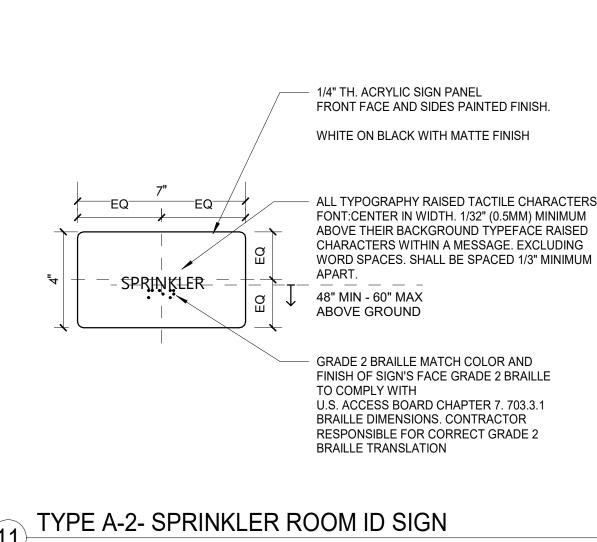
TYPE X-5 FDC SIGNAGE



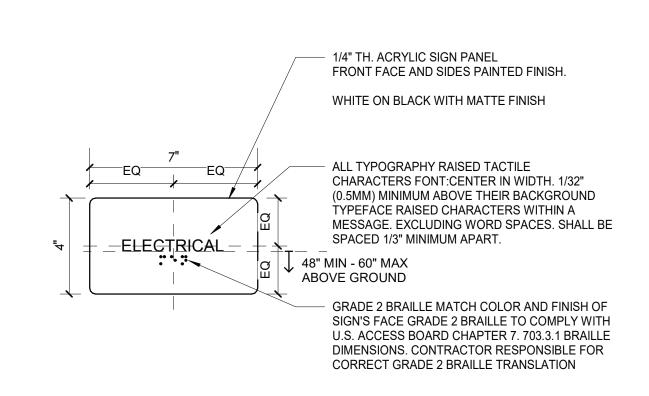
TYPE X-1 - FIRE EXTINGUISHER SIGN



TYPE X-6 SIAMESE CONNECTION SIGNAGE



TYPE A-2- SPRINKLER ROOM ID SIGN
3" = 1'-0"



TYPE A-3 -ELECTRICAL CLOSET SIGN
3" = 1'-0"





NSULTANT SEAL						RECORD DRAWII
LERED ARCHITECA						AS BUILT — CHANGES AS NOTED
						CONTRACTOR
02320						NAMESIGNATURE
ATE OF WE	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	TITLE DATE

	RECORD	DRAWING	C ERTIFIC ATION			
□ AS BUILT -	CHANGES AS	NOTED	AS BU	UILT -	NO	CHANGES

PROJECT COORDINATOR NAME SIGNATURE ____ TITLE _____ DATE _____

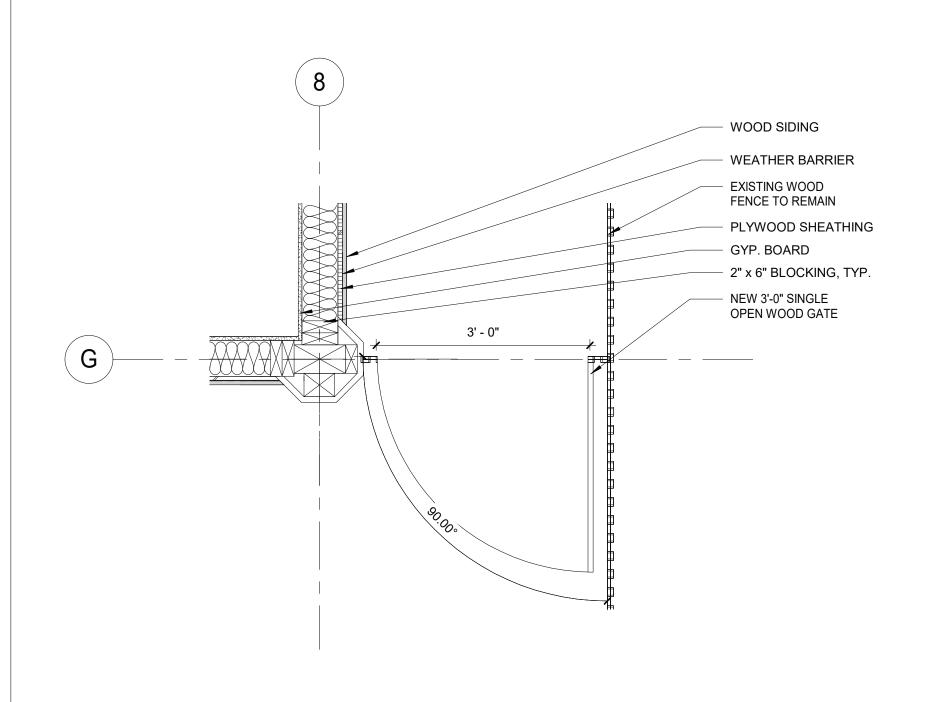
WESTCHESTER COUNTY, NEW YOR DEPARTMENT OF PUBLIC WORKS AND TRANSPORTA DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3**

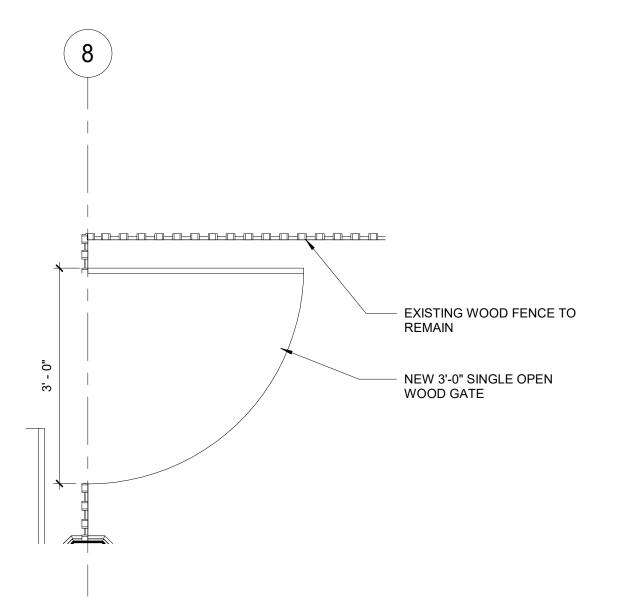
PLAYLAND PARK, RYE, NEW YORK

SOUTHEAST ARCADE BUILDING

SIGNAGE DETAILS

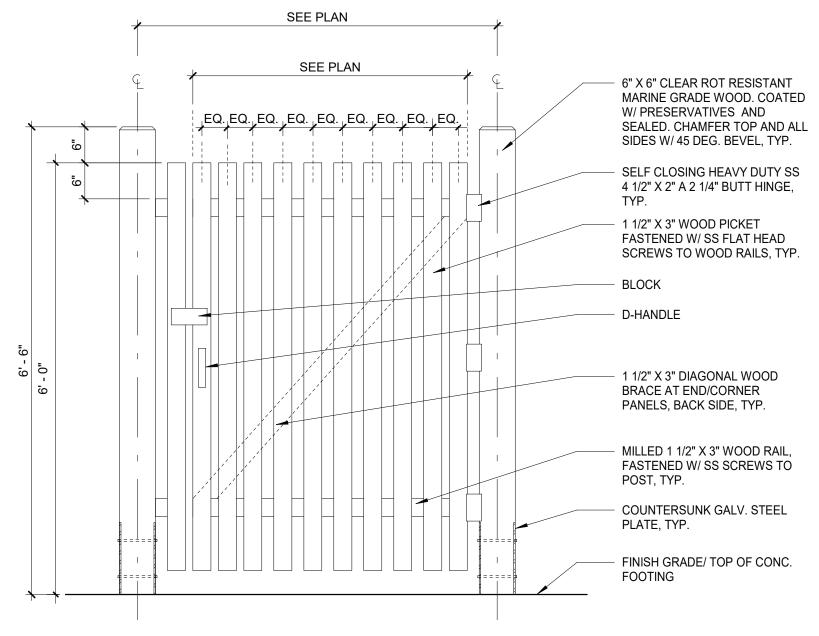
RK	C ONTRACT NUMBER	SHEET NUMB ER			
TION	22-523	SA-A-82	2		
	DWG NO.: 605 c	of 664			
	SCALE: As indicat	ted			
	DATE: 08/23/202 2	2			
	DPW FILE 1-118-A	\-1354-0	REV. NO.	0	

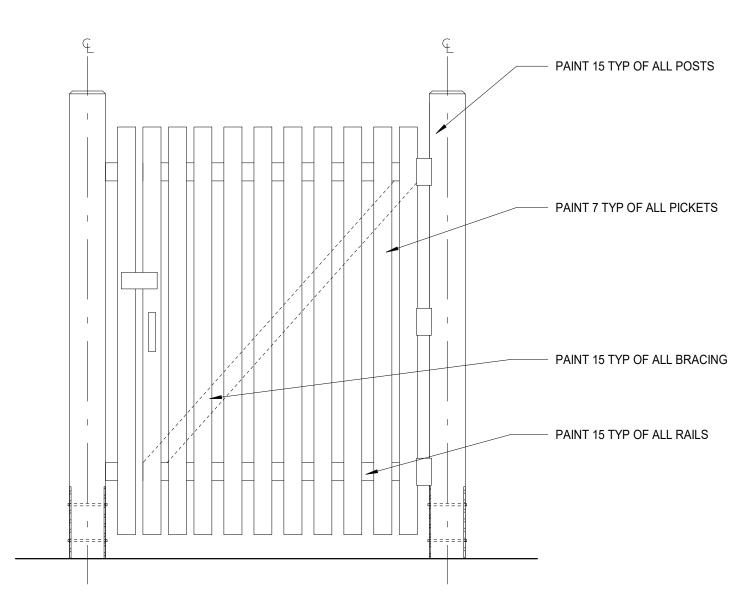




1 EX1 GATE PLAN VIEW
3/4" = 1'-0"

EX2 GATE PLAN VIEW

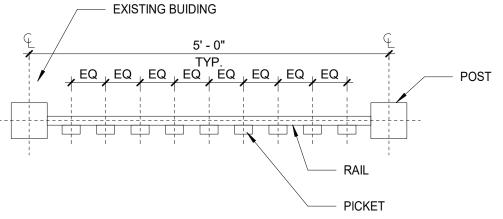




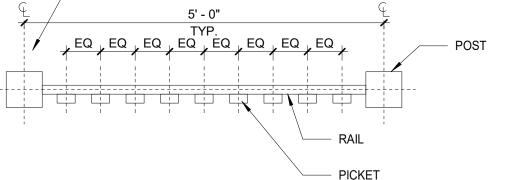
TYPICAL WOOD PICKET SINGLE GATE ELEVATION 3 TYPICAL 3/4" = 1'-0"

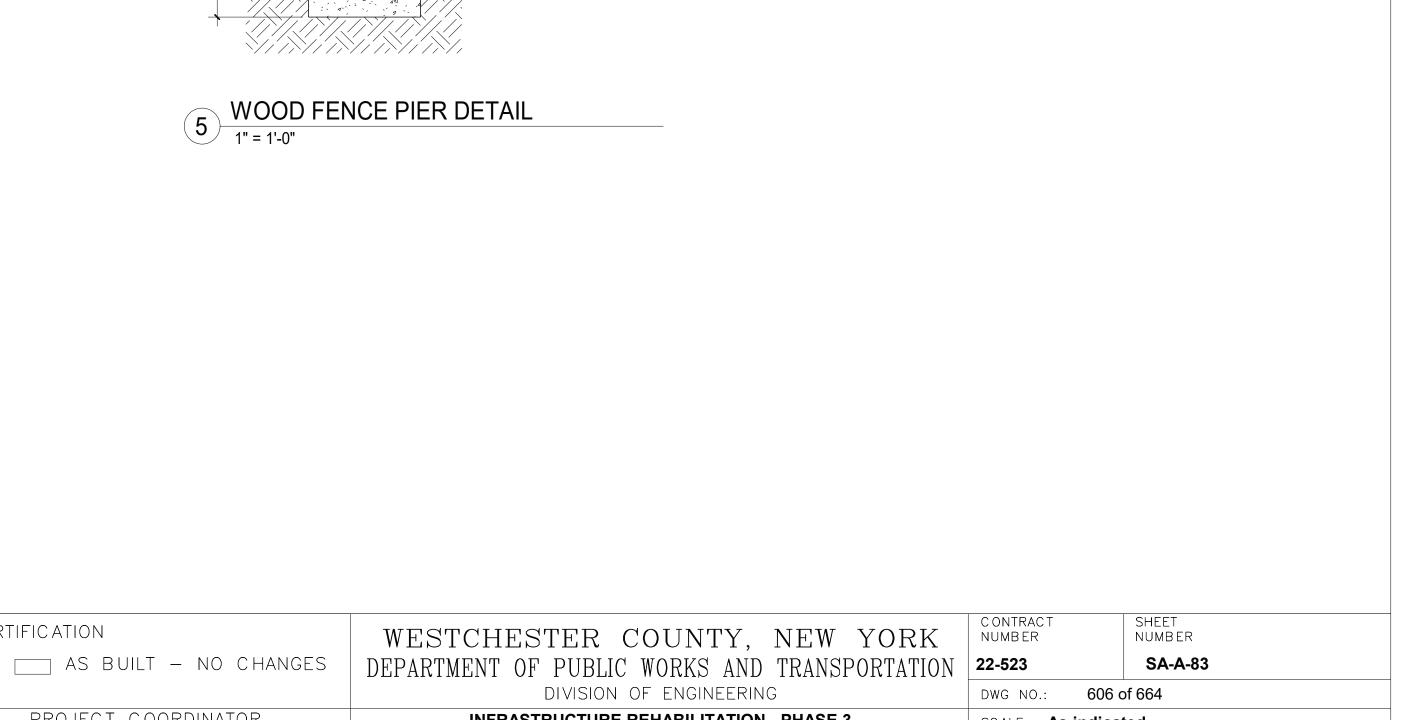
TYPICAL WOOD PICKET SINGLE GATE PAINT ELEVATION

3/4" = 1'-0"



6 TYPICAL WOOD PICKET PLAN - GATE
3/4" = 1'-0"





GATE SCHEDULE

PAINT

HDWR SET

CLOSING HINGES & D HANDLE. TO BE

APPROVED BY ARCHITECT

PROVIDE SELF CLOSING HINGES &

D HANDLE. TO BE APPROVED BY

ARCHITECT

PROVIDE SELF EXIT DEVICE

REMARKS

GATE MATERIAL

WOOD

REMARKS

INTERIOR USE ONLY

- 6 X 6 PT POST

PEENED, TYP.

FINISH GRADE

1/4" PER FT. WASH, TYP.

CONCRETE FOOTING

COMPACTED SUBGRADE

1/4" x 4" COUNTERSUNK

GALV. STEEL PLATE, TYP.

3/8" DIA. GALV. STEEL BOLT

W/ NUT AND WASHER, END

FOR ALL NEW STUCCO SURFACES

TYPICAL ROLL UP DOOR COLOR

DOOR TYPE

GATE

NEW YORK STATE OF MIND #805 BENJAMIN MOORE

PLAYLAND MASTER PAINT SCHEDULE

MYSTICAL POWERS #901

HERITAGE RED #HC-181

LAZY SUNDAY #803

DEEP JUNGLE #595

FORSYTHIA #6907

CAPE BLUE #1642

P-12 TRICORN BLACK #6258

P-14 STUCCO TO MATCH P-1

P-17 FLORIDA BEACHES #900

P-20 DECISIVE YELLOW #6902

P-18 PIRATES COVE PEACH #903

P-13 READY WHITE MIX

P-16 #RAL9001

P-19 JADITE #6459

WHITE SNOW #9541

LUCK OF THE IRISH #588

MAJOLICA GREEN #0013

ANTELOPE CANYON #125

VAN DEUSEN BLUE #HC-156

WIDTH

3'-0"

3'-0"

MANUFACTURER

BENJAMIN MOORE

BENJAMIN MOORE

BENJAMIN MOORE

BENJAMIN MOORE

BENJAMIN MOORE

SHERWIN WILLIAMS

BENJAMIN MOORE

SHERWIN WILLIAMS

BENJAMIN MOORE

SHERWIN WILLIAMS

SHERWIN WILLIAMS

BENJAMIN MOORE

BENJAMIN MOORE BENJAMIN MOORE

SHERWIN WILLIAMS

SHERWIN WILLIAMS

HEIGHT

3'-1"

DOOR NUMBER

EX2

P-1

P-2

P-3

P-4

P-5

P-6

P-7

P-8

P-9

P-10

P-11

P-15

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CONSULTANT SEAL MADE APP'D BY BY REVISION NUMBER DATE

RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED CONTRACTOR SIGNATURE DATE _____ REVISION

PROJECT COORDINATOR NAME SIGNATURE ____ TITLE _____ DATE ____

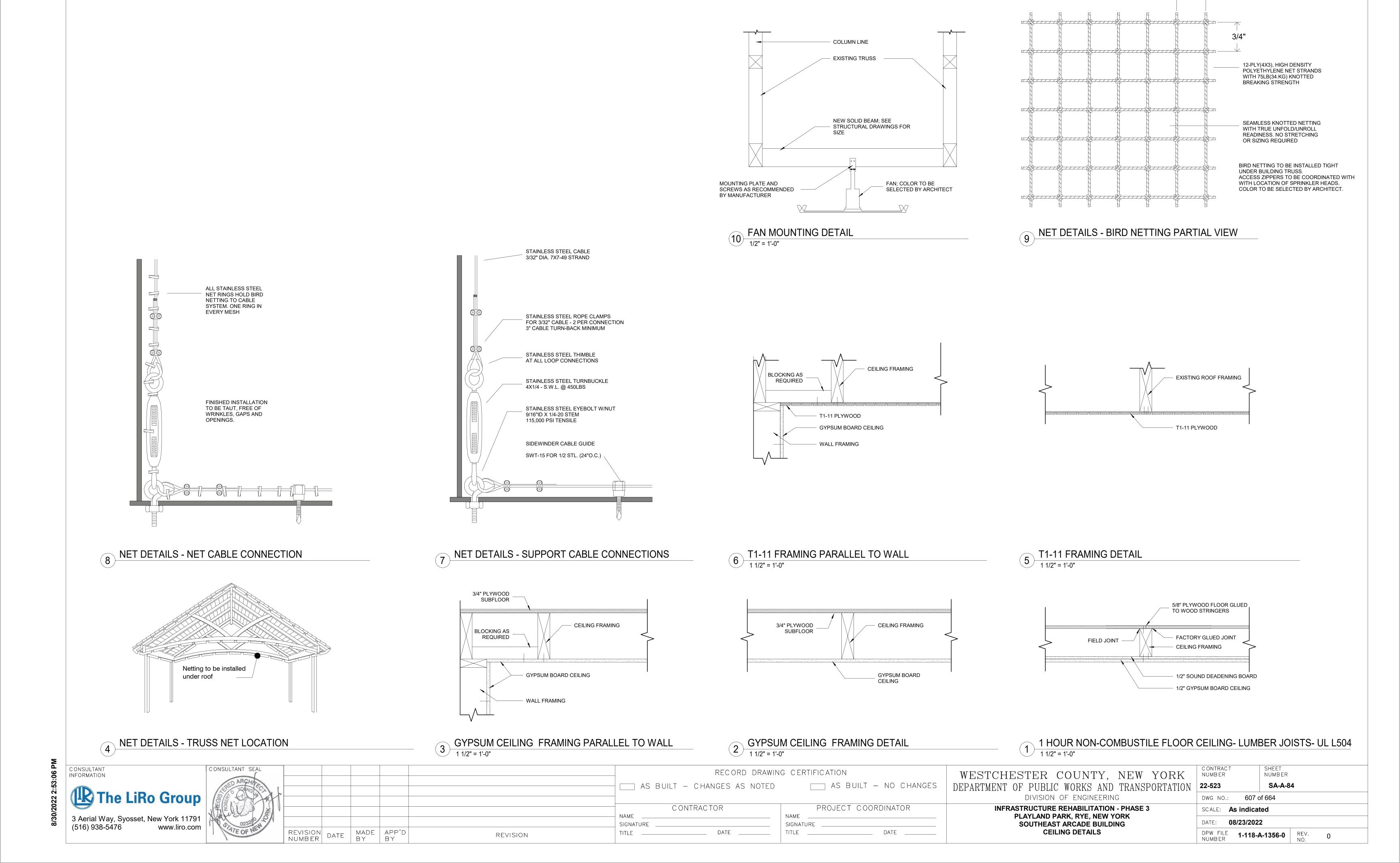
INFRASTRUCTURE REHABILITATION - PHASE 3

SCALE: **As indicated** DATE: **08/23/2022**

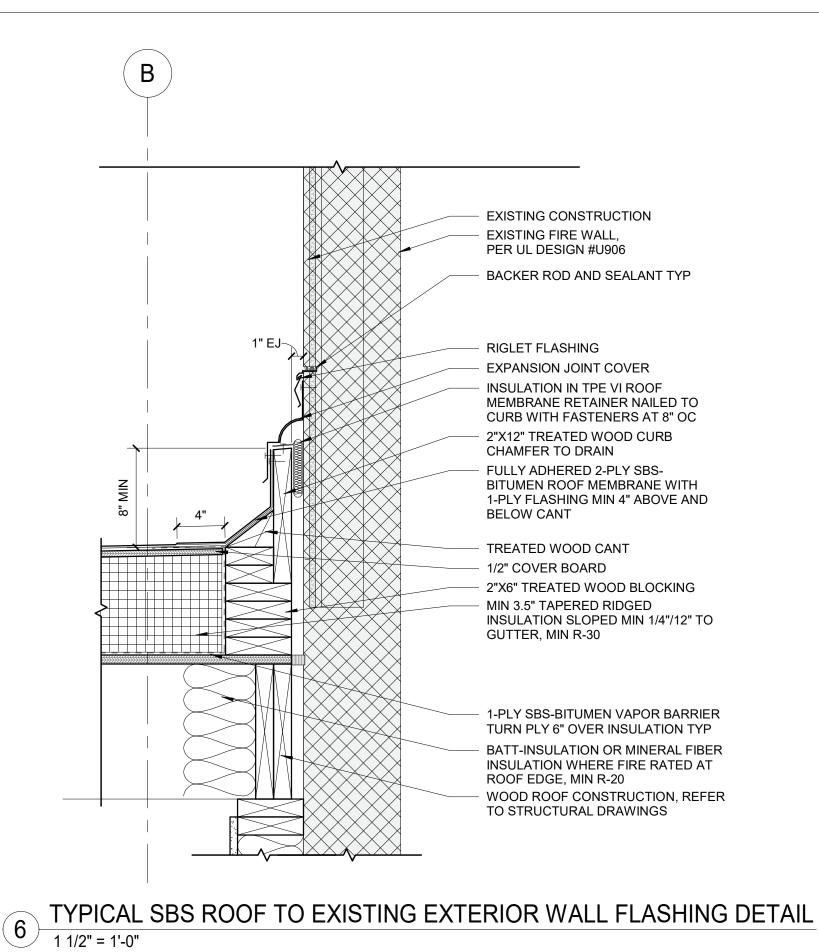
PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING **FENCE DETAILS**

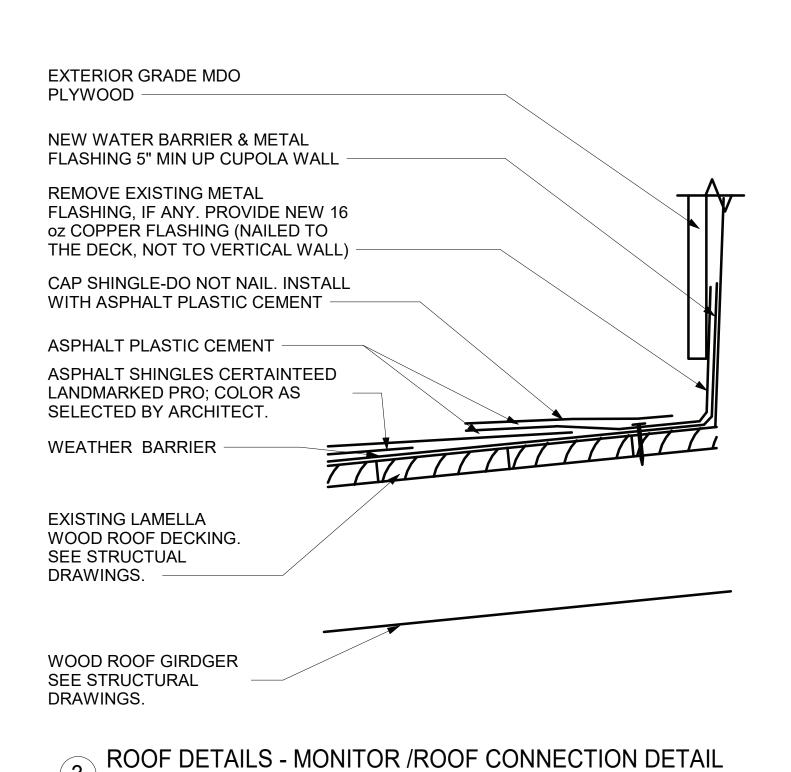
1-118-A-1355-0 REV. NO. 0

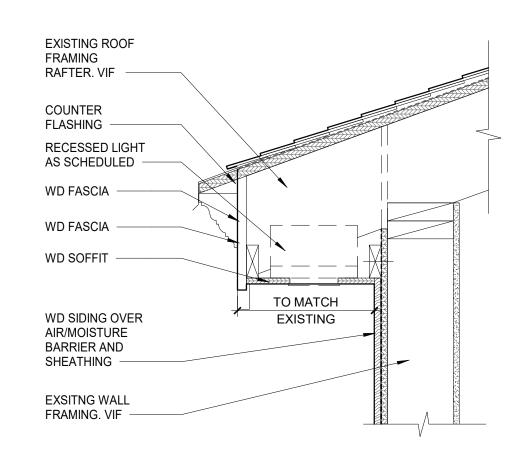
CONSULTANT INFORMATION



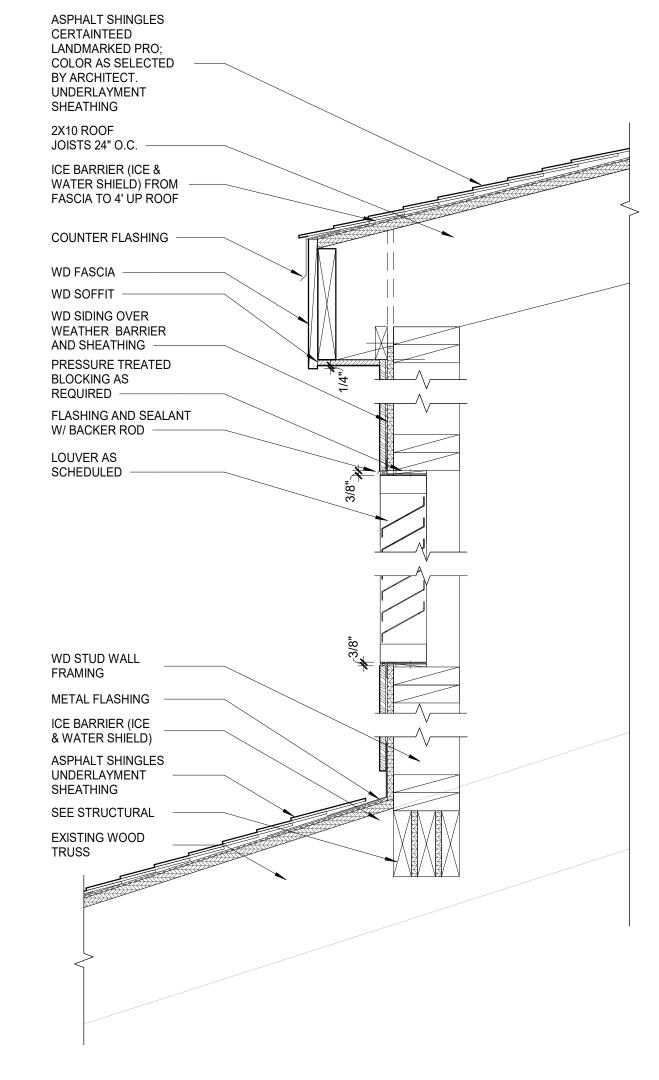
→ 3/4" ←





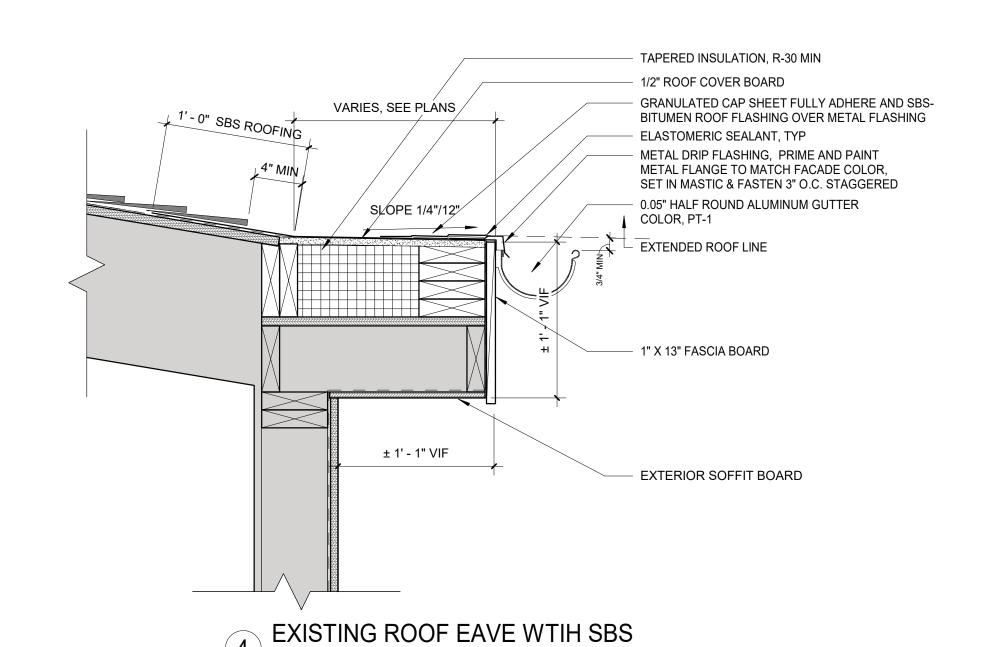


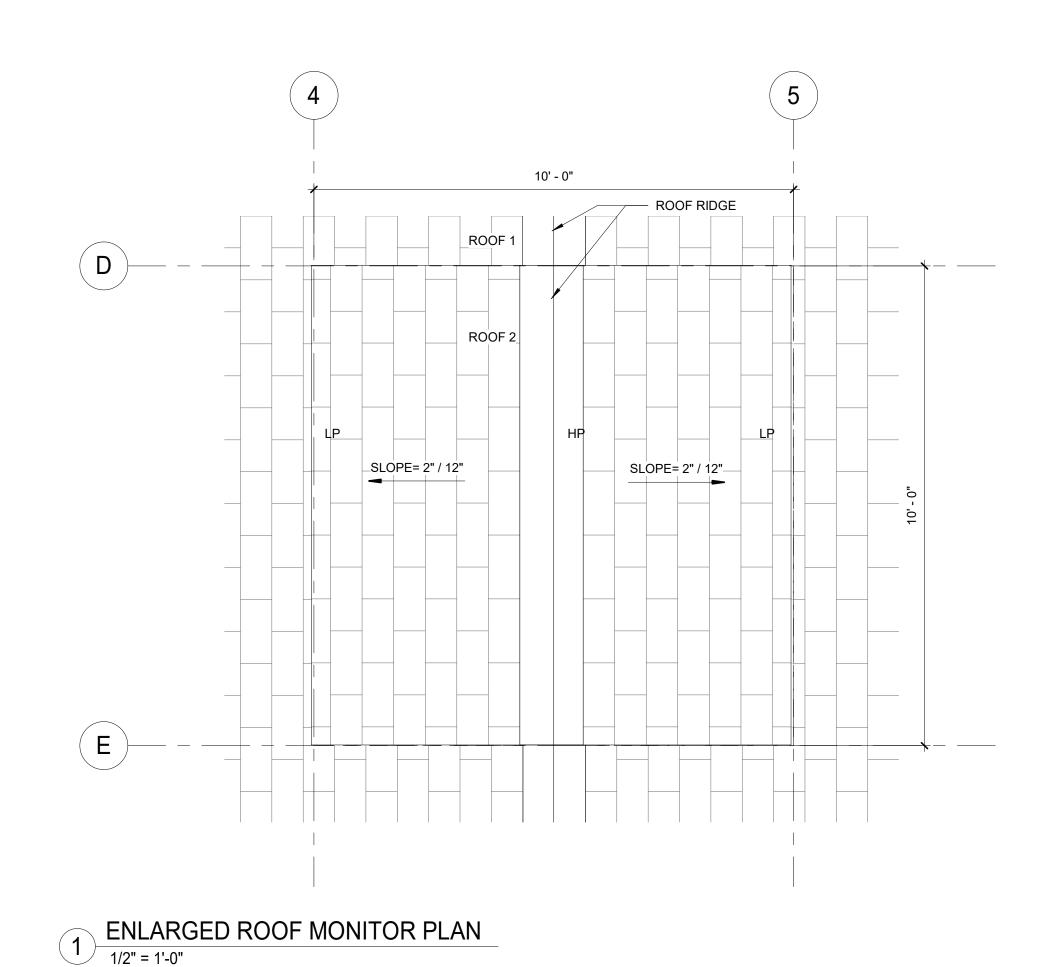






NAME







RECORD DRAWING CERTIFICATION ___ AS BUILT - NO CHANGES PROJECT COORDINATOR PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3**

ROOF MONITOR DETAILS

SHEET NUMBER CONTRACT NUMBER SA-A-85 22-523 608 of 664 DWG NO.: SCALE: **As indicated** DATE: **08/23/2022 1-118-A-1357-0** REV. NO.

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

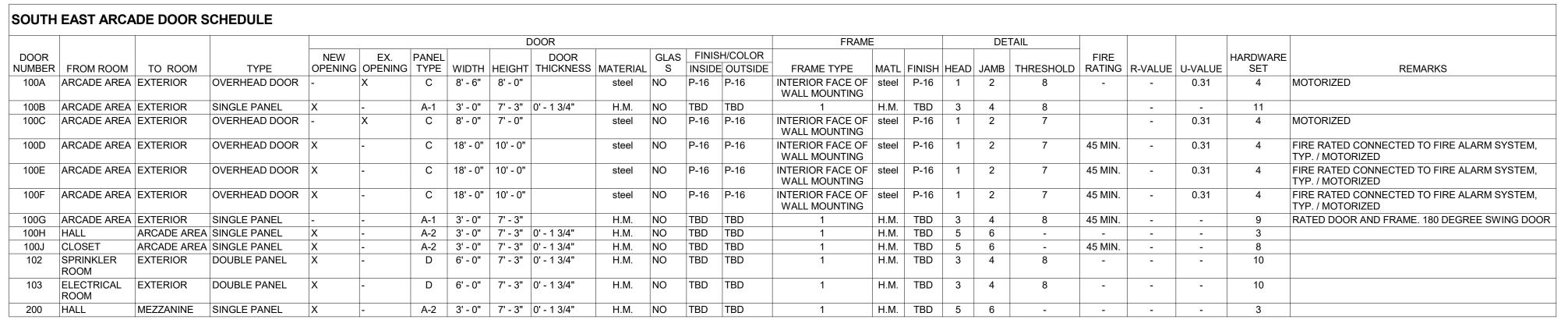


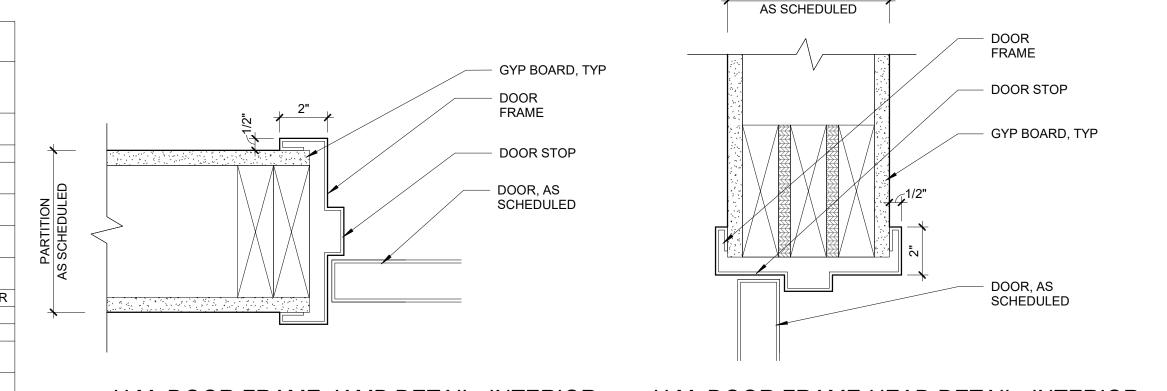
MADE APP'D BY BY DATE REVISION NUMBER

CONTRACTOR NAME SIGNATURE DATE ____

AS BUILT - CHANGES AS NOTED

SIGNATURE ___ ____ DATE _____





6 H.M. DOOR FRAME-JAMB DETAIL- INTERIOR 5 H.M. DOOR FRAME-HEAD DETAIL- INTERIOR 3'' = 1'-0''

EXTERIOR

INTERIOR

GYP BOARD, TYP

WEATHER BARRIER

MOISTURE RESITANT

1X4 WOOD TRIM, TYP

WOOD SIDING

SHEATHING

SEALANT AND

BACKER ROD

1X4 WOOD TRIM, TYP

MOISTURE RESITANT

WEATHER BARRIER

GYP BOARD, TYP

FRAME

- DOOR STOP

SHEATHING

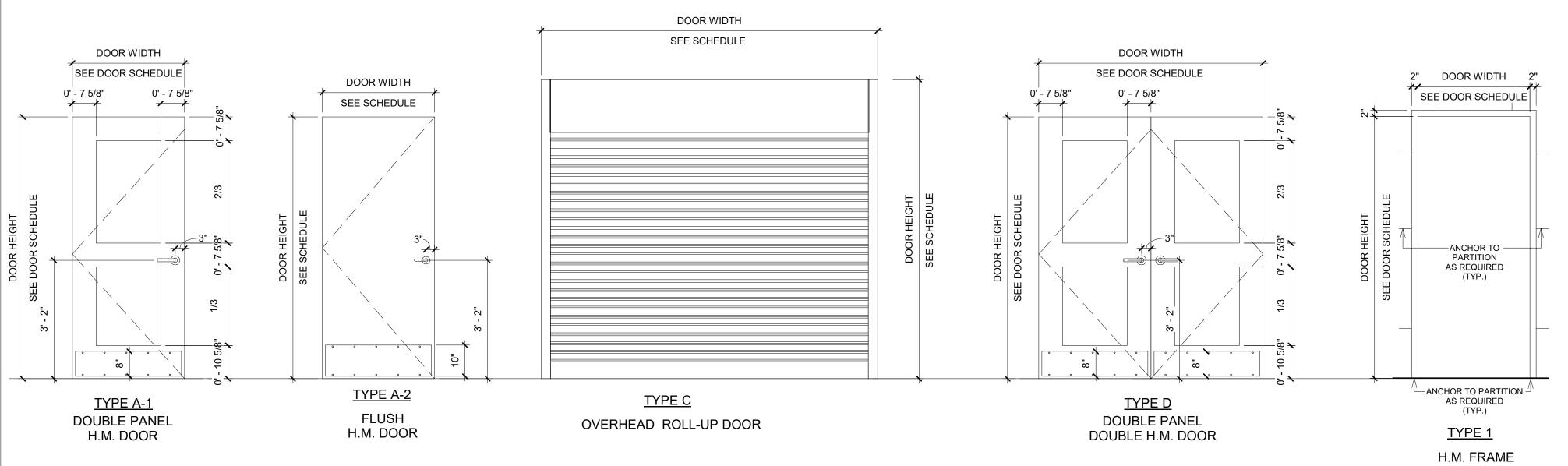
GENERAL DOOR SCHEDULE NOTES

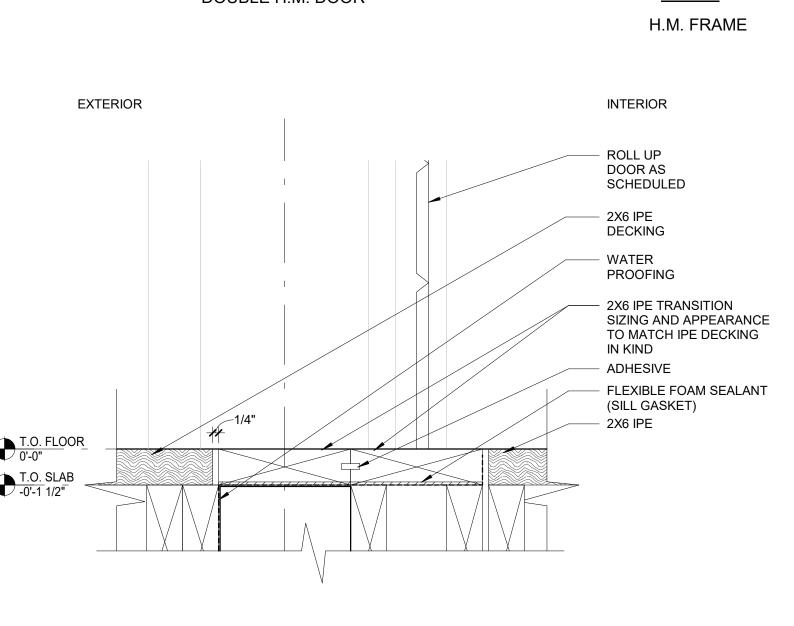
1. CONTRACTOR TO CONFIRM ALL DOOR SIZES IN FIELD PRIOR TO ORDERING.

2. 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.

 \mid 3. ALL EXIT DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE. 4. VERIFY DIMENSIONS OF EXISTING OPENING AND DOORS BEFORE ORDERING.

5. CONTRACTOR SHALL COORDINATE AND VERIFY LOCATION OF RECESSED FLOOR CLOSERS, PIVOTS, ETC. WITH EXISTING FLOOR SLABS AND OTHER FIELD CONDITIONS PRIOR TO ORDERING TO ENSURE PROPER CLEARANCES AND DEPTHS ARE ALLOWED.





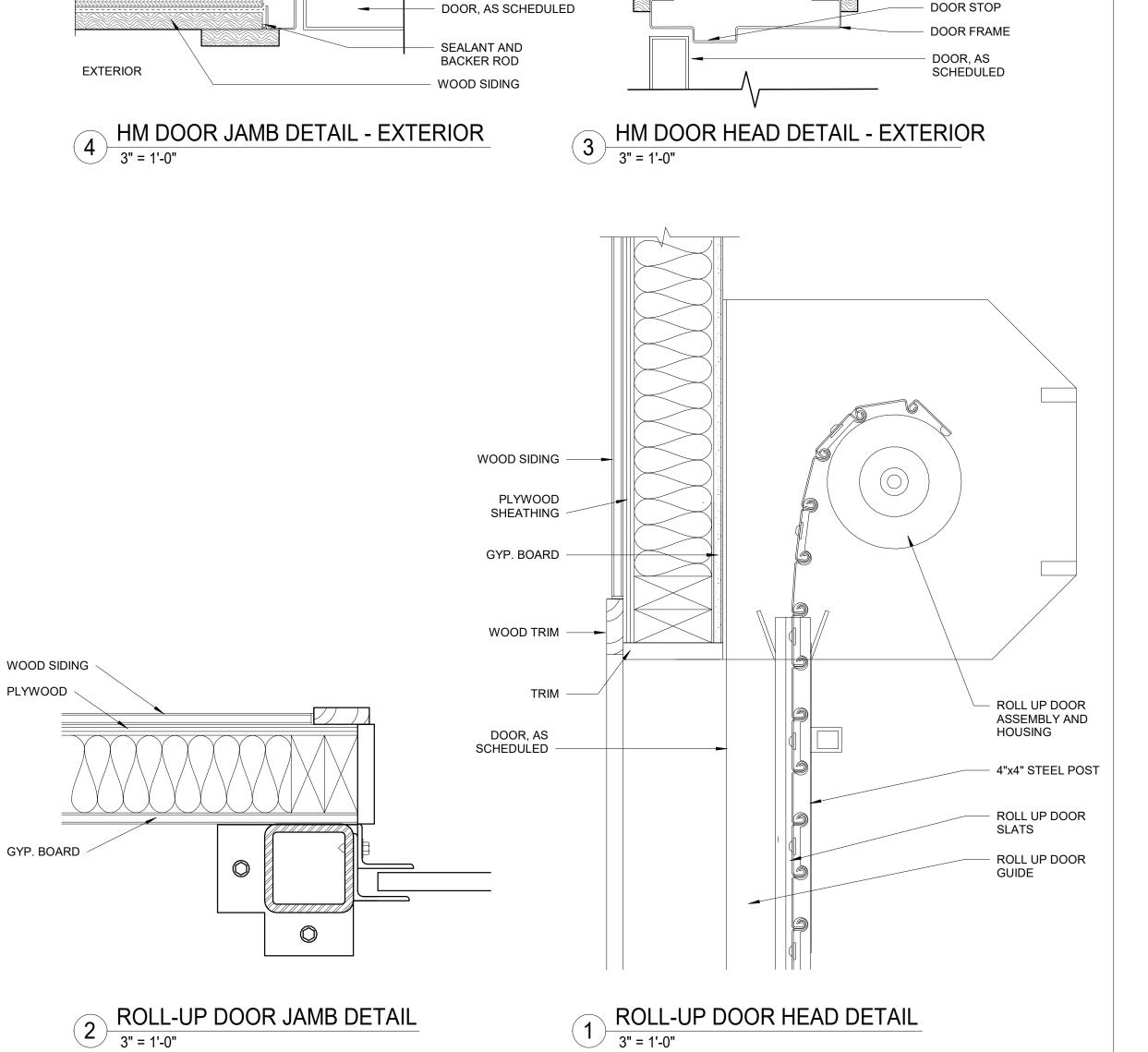
CONTRACTOR

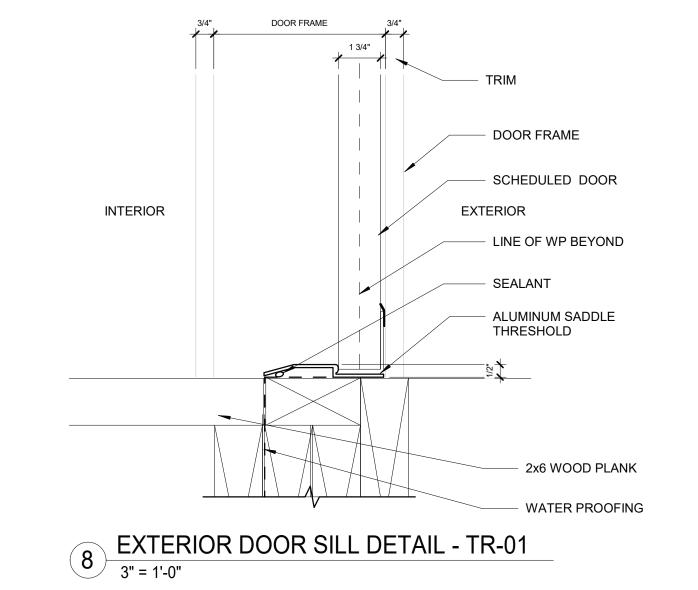
DATE ____

RECORD DRAWING CERTIFICATION

NAME

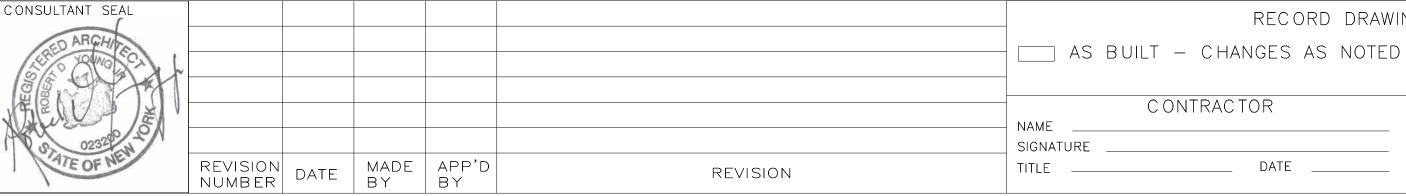
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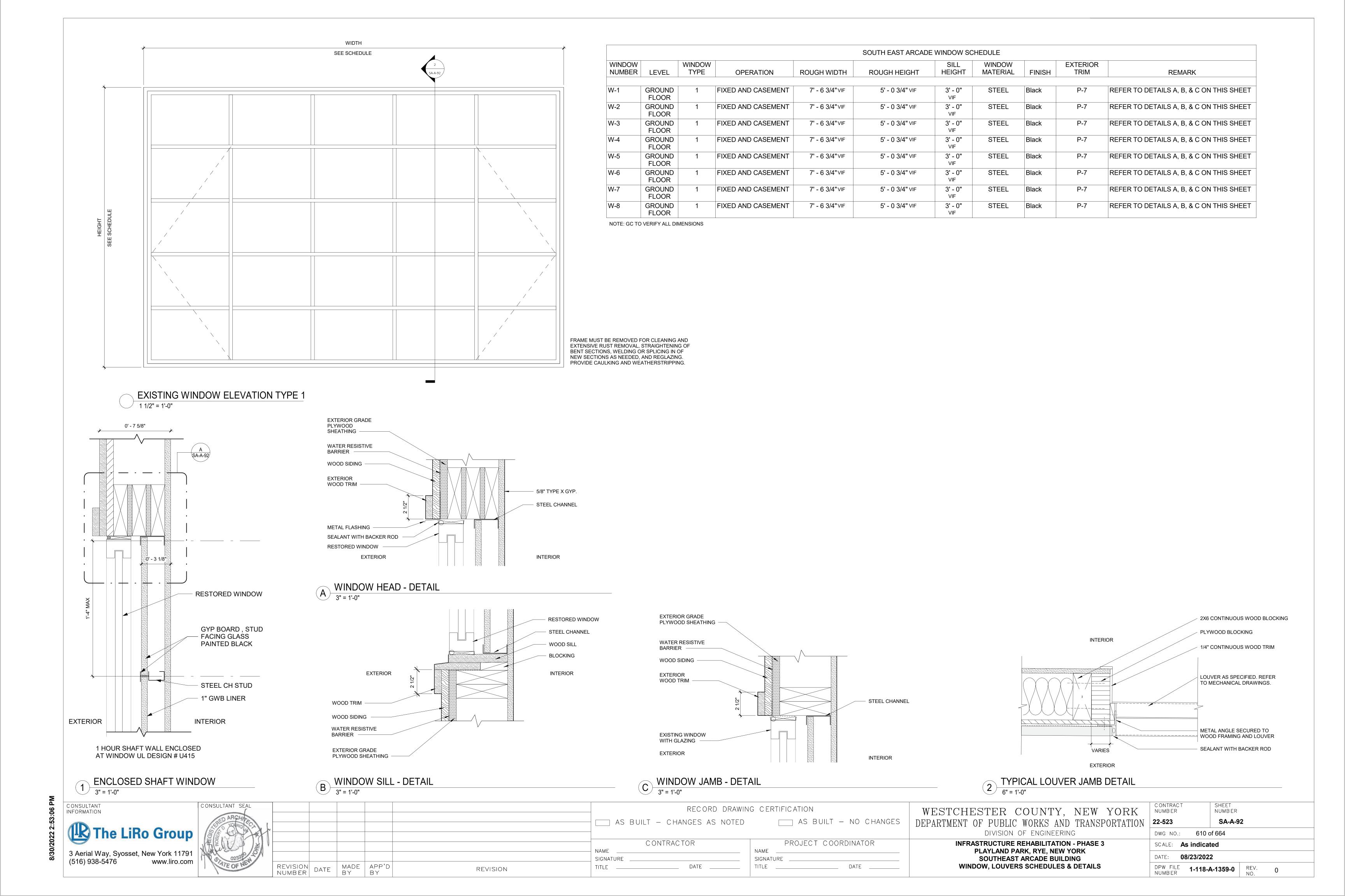
WESTCHESTER COUNTY, NEW YORK ____ AS BUILT - NO CHANGES

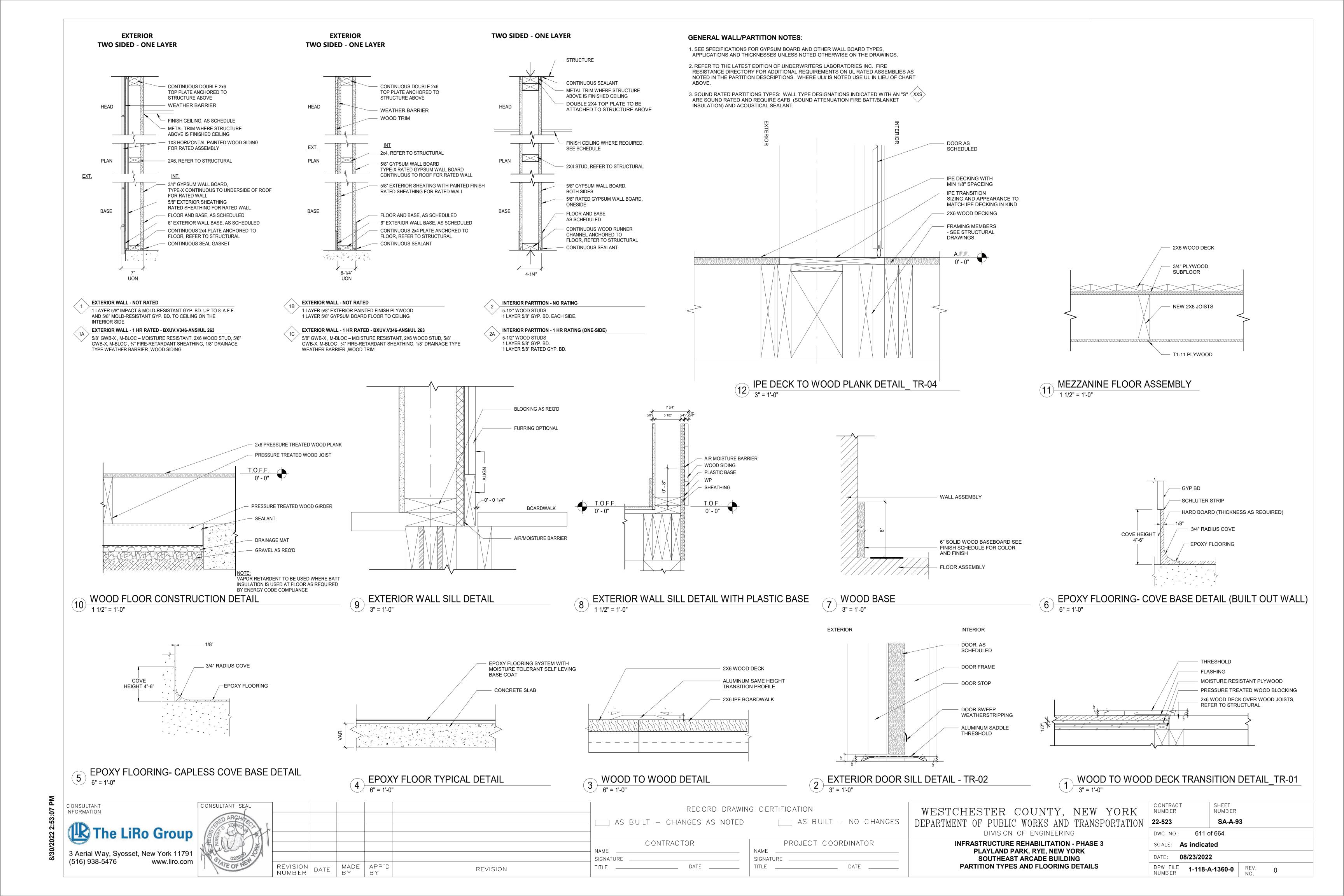
PROJECT COORDINATOR

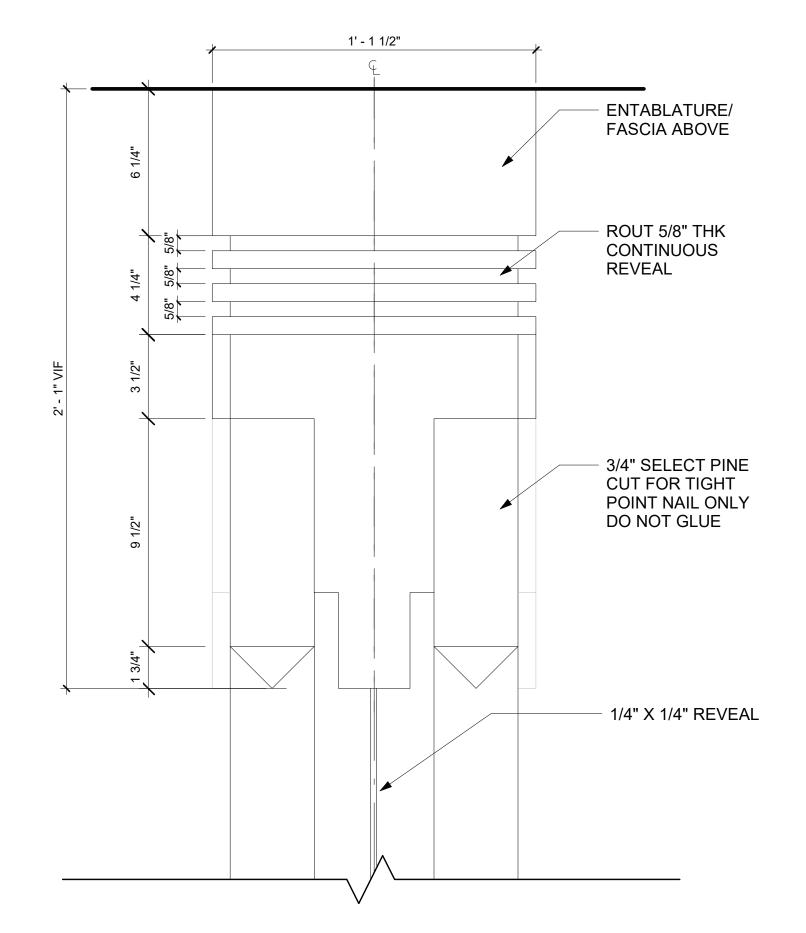
INTERIOR

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING **DOOR & HARDWARE SCHEDULE**

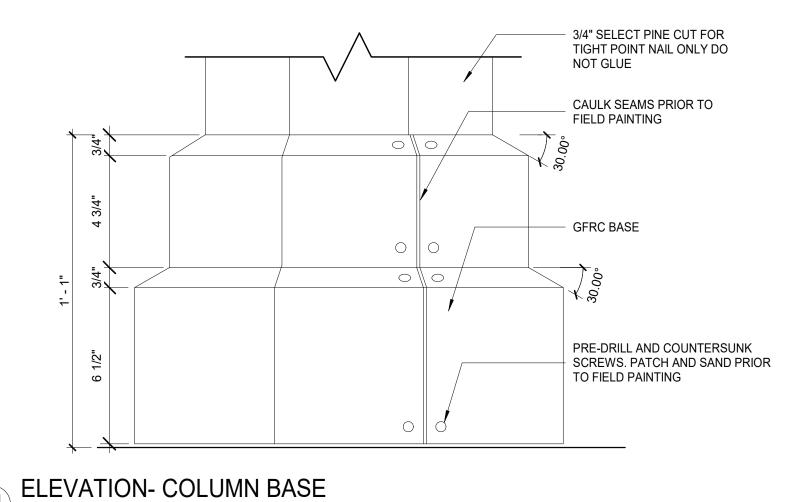
SHEET NUMBER CONTRAC SA-A-91 22-523 609 of 664 DWG NO.: SCALE: **As indicated** DATE: **08/23/2022 1-118-A-1358-0** REV. NO. 0

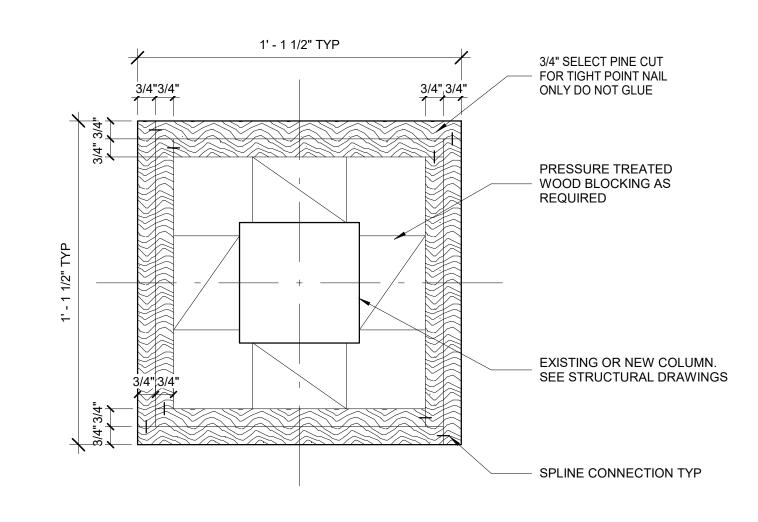




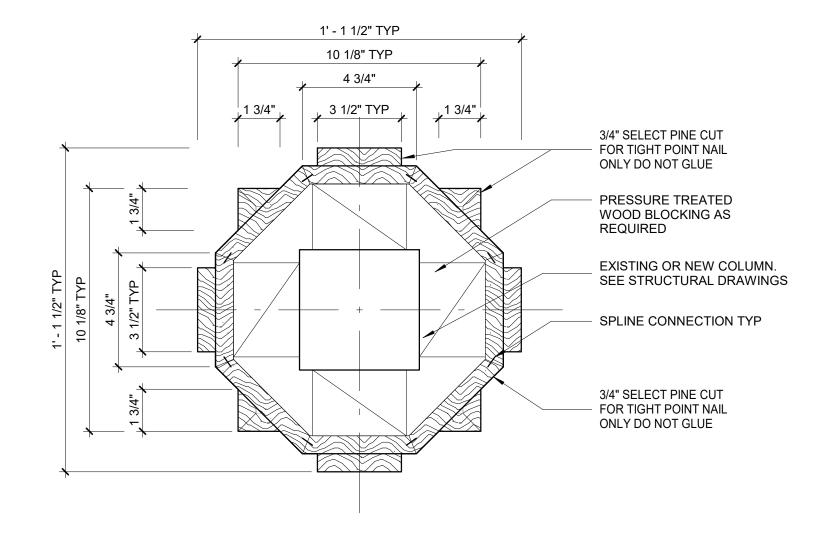




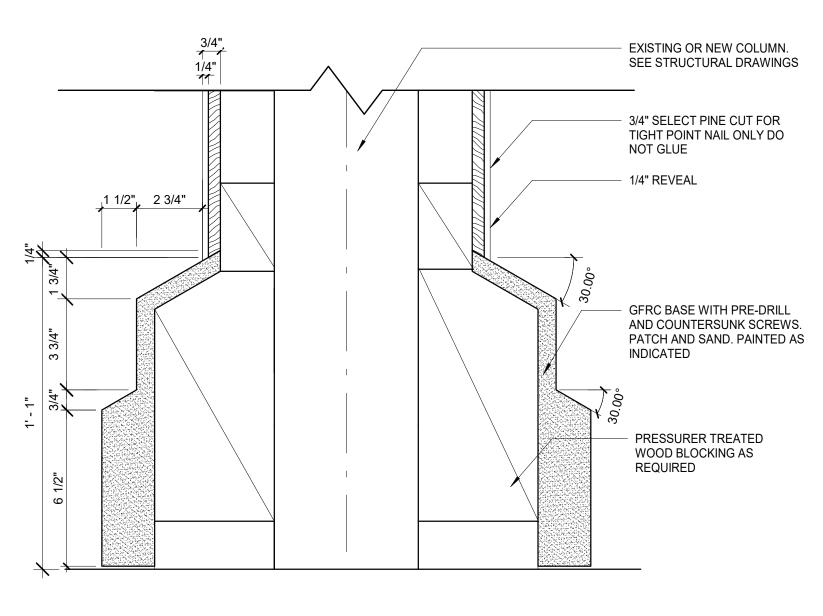




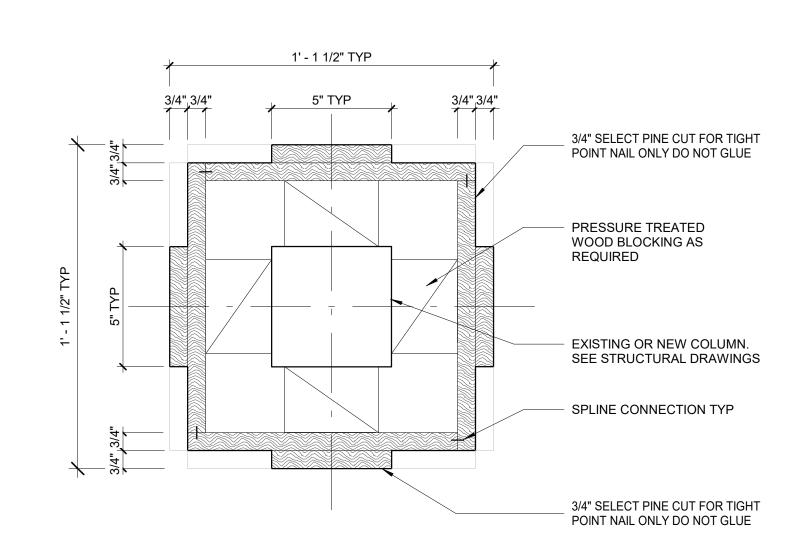
7 COLUMN DETAIL AT CAPITAL 3 3" = 1'-0"



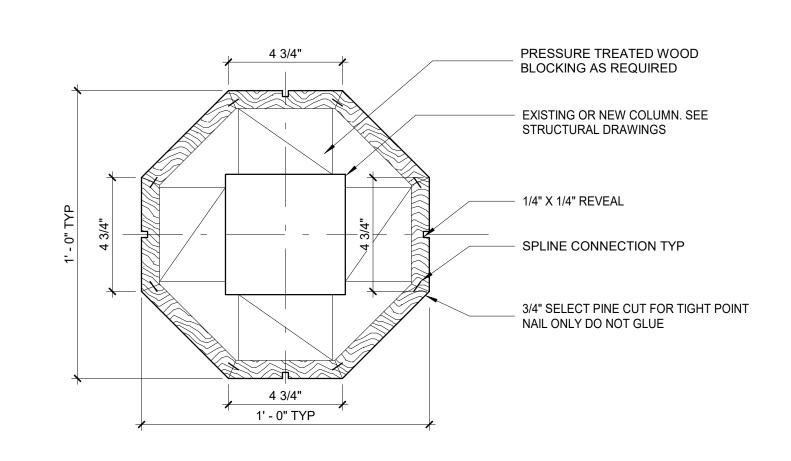
5 COLUMN DETAIL AT CAPTIAL 3" = 1'-0"



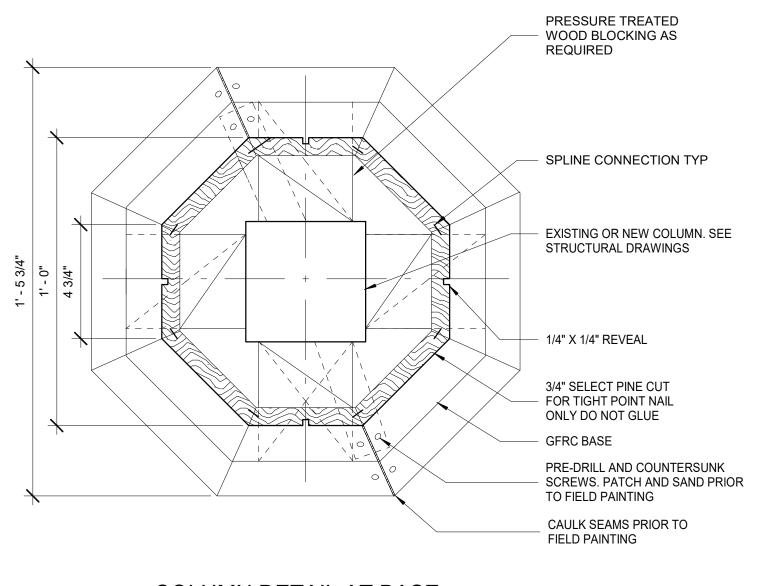
SECTION- COLUMN BASE
3" = 1'-0"



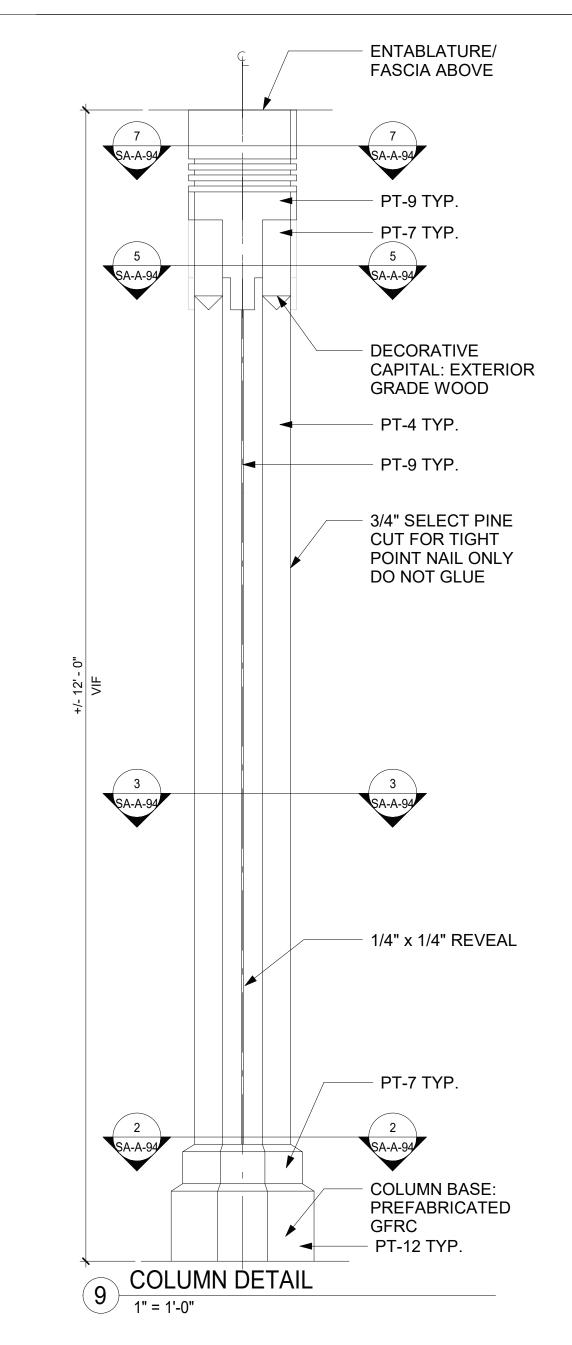
6 COLUMN DETAIL AT CAPITAL 2 3" = 1'-0"

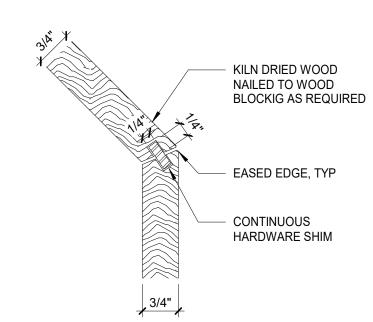


3 COLUMN DETAIL AT BASE SHAFT



COLUMN DETAIL AT BASE





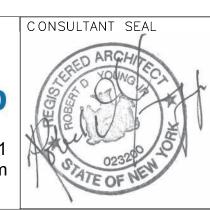
SPLINE CONNECTION DETAIL

1. KILN DRIED WOOD IS TO BE USED FOR COLUMN CLADDINGS. 2. PRESSURE-TREATED WOOD ARE TO BE USED FOR BLOCKING SUBSTRATE AS REQUIRED BY CLADDING INSTALLATIONS. 3. STAINLESS STEEL NAILS FASTENERS ARE TO BE USED FOR CLADDDING,

BLOCKING INSTALLATIONS. 4. HARDWOOD IS TO BE USED FOR SPLINE SHIM CLADDIING CONNECTION. 5. SPLICE WOOD CLADDING PANEL OF INDIVIDUAL PIECES WHEN PANEL WIDTH EXCEEDS WIDTH OF WOOD PLANK AVAILABLE

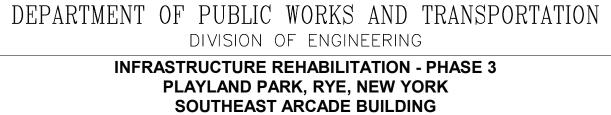
6. ALL DIMENSIONS TO BE VERIFIED IN FIELD



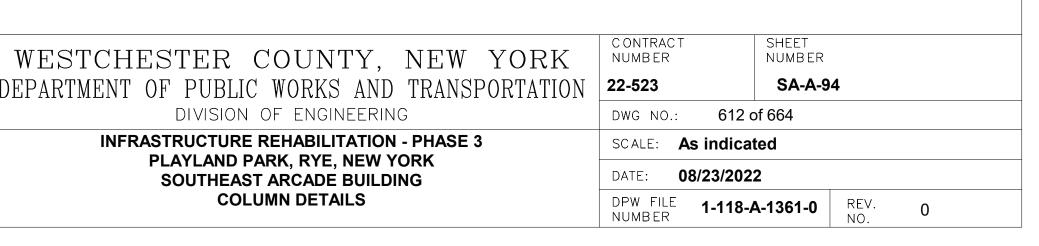


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RECORD DRAWING	G CERTIFICATION
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CONTRACTOR	PROJECT COORDINATOR
AME IGNATURE	NAMESIGNATURE
TLE DATE	TITLE DATE



COLUMN DETAILS



GENERAL

- 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.
- STANDARD DETAILS, SHOWN ON DRAWINGS XSA-S-09 THRU SA-S-10 SHALL BE USED WHEN REFERRED TO OR WHEN NO MORE RESTRICTIVE OR DIFFERENT DETAILS ARE SHOWN ON THE DRAWINGS.
- G-3 DESIGN WAS IN ACCORDANCE WITH AND CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE NEW YORK STATE BUILDING CODE (2020 NYSBC). THE DESIGN LOADS AND OTHER DESIGN VALUES GIVEN BELOW WERE USED FOR DESIGN OF STRUCTURES UON ON THE DRAWINGS.

V = 126 MPH

G-4 DESIGN LOADS FOR NEW ELEMENTS:

LIVE LOADS: SOUTHEAST ARCADE: ALL FLOORS U.O.N.: 100 PSF 60 PSF SNOW LOADS: GROUND SNOW LOAD, Pg = 30 PSFPf= 21 PSF ROOF SNOW LOAD, SNOW EXPOSURE FACTOR, Ce = 0.9SNOW LOAD IMPORTANCE FACTOR, I = 1.1THERMAL FACTOR, Ct = 1.0

WIND DESIGN: BASIC WIND SPEED.

BUILDING CATEGORY: WIND EXPOSURE CATEGORY: INTERNAL PRESSURE COEFFICIENT, $GCpi = \pm 0.18$

SEISMIC DESIGN: SPECTRAL RESPONSE COEFFICIENTS: SDS =

> SD1 = 0.096 SITE CLASS: SEISMIC DESIGN CATEGORY: 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: SOUTHEAST ARCADE: R = 1 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
- 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.
- 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
- GRAVITY UNDER DRAINS SHALL BE PROVIDED TO PERMANENTLY LOWER GROUNDWATER.
- 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

S-3 PROVIDE MIN 3/4" DIAMETER ASTM A 325 HIGH STRENGTH BOLTS WITH FULLY TIGHTENED TYPE N CONNECTIONS FOR STRUCTURAL STEEL UON.

E) STRUCTURAL S, M, & H SHAPES ASTM A572 GRADE 50.

- S-4 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.
- S-6 DO NOT PAINT STEEL SURFACES WHICH ARE TO BE WELDED OR ARE TO BE ENCASED IN CONCRETE.
- S-7 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.

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
- E-5 ALL EXCAVATED MATERIALS SHALL BE REMOVED FROM SITE TO A FACILITY AS REQUIRED BY STATE, LOCAL FEDERAL LAW.

- 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.
- T-5 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 — SOUTHEAST ARCADE

- S-1 SPECIAL INSPECTION SHALL COMPLY WITH SPECIFICATIONS.
- S-2 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) STRUCTURAL STEEL CONSTRUCTION (1705.2).
 - B) WOOD CONSTRUCTION (1705.5).
 - C) CONCRETE CONSTRUCTION (1705.3).
- D) WIND RESISTANCE (1705.11)
- E) SOILS (1705.6).
- F) DRIVEN DEEP FOUNDATIONS (1705.7)

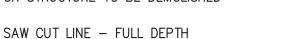
CONCRETE (EXCEPT PRECAST)

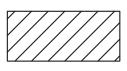
- C-1 CONCRETE STRENGTH CLASSES (28-DAY COMPRESSIVE STRENGTH): CLASS A (5000 PSI) STRUCTURES, REINFORCED DUCT BANKS, AND PIPE ENCASEMENT. FOR CONCRETE WALLS GREATER THAN 2 FEET THICK FOLLOW ACI RECOMMENDATIONS FOR MASS CONCRETE. CLASS D (2500 PSI) SIDEWALKS, CURBS AND GUTTERS, CONCRETE FILL, THRUST BLOCKS, 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: 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 1/2" MIN.
- 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.
- C-5 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 ENGINEER.
- C-12 DOWELS, ANCHOR BOLTS, PIPES. WATERSTOPS AND OTHER EMBEDDED ITEMS SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.
- C-13 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 HIGHER.
- C-17 AT JOINT INTERSECTIONS, WATERSTOPS SHALL BE CONNECTED SO AS TO FORM A COMPLETE SEAL USING CONNECTION PIECES AS
- C-18 ALL EXPOSED CORNERS SHALL HAVE A 3/4" CHAMFER OR A 1/2" RADIUS TOOLED CORNER.

DEMOLITION

EXISTING REINFORCED CONCRETE WALL OR STRUCTURE TO BE DEMOLISHED

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 DRAWINGS.

- 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.
- P-3 THE BORED-IN PILE SHALL BE MIN. 9 5/8" DIAMETER 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
- P-7 CUT OFF THE ELEVATIONS OF THE BORED-IN PILES AS SHOWN ON

TOLERANCE OF THREE INCHES.

- P-8 ALL BORED-IN PILES SHALL BE INSTALLED WITH A MAXIMUM LATERAL
- DRILLING OPERATION SHALL BE PERFORMED IN THE PRESENCE OF THE
- 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.
- 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.



VAME SIGNATURE REVISION IUMBER

RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED

_____ DATE ____

CONTRACTOR

AS BUILT - NO CHANGES

_____ DATE _____

SIGNATURE _____

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION PROJECT COORDINATOR

DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK **SOUTHEAST ARCADE**

WESTCHESTER COUNTY, NEW YORK

STRUCTURAL NOTES

22-523 DWG NO.: SCALE: AS SHOWN of 664

DPW FILE 1-118-S-1362-0

ATF:

IUMBER

NUMBER SA-S-01 8/23/2022

GAUGE

GRADE GRATING

HEIGHT HORIZONTAL HIGH POINT

GALVANIZE GRADE BEAM

		<u> </u>	<u> </u>
AB ADDL ADH ADJ AFF AGG AL ALT APPROX ARCH AVG	ANCHOR BOLT ADDITIONAL ADHESIVE ADJUSTABLE/ADJACENT ABOVE FINISHED FLOOR AGGREGATE ALUMINUM ALTERNATE APPROXIMATE ARCHITECTURAL AVERAGE		GA GAL GB GR GRT HGT HOF HP
B BLDG BM BOF BOS BOT BRG BT	BORING BUILDING BEAM/BENCH MARK BOTTOM OF FOOTING BOTTOM OF STEEL BOTTOM BEARING BOLT		ID IF IN INCI INT INV J JB JCT
C C TO C CANT CJ CL CLR CMU CO COL CONC CONST CONT CONTR CP CLJ CTR CY	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		L LF LG LL LLH LLV LOC LP LVR LWL MAS MAI MAN MEC

DET

DIAG DIM DIST DN DO DP DWG DWL

ELEV

ENGR EMB ENCL

ENT

EQ EQPT EW

EXIST

EXP JT

EXP

FAB FD FDN FFL

FIN FLR

FT FTG F&C F&G

DIA (Ø)

DETAIL

DIAMETER

DIAGONAL DIMENSION

DISTANCE

DOWN DITTO DEEP DRAWING

DOWEL

EAST

EACH

EACH FACE

ELEVATION

ELEVATOR

ENGINEER

EMBEDMENT

ENCLOSURE

ENTRANCE

EQUIPMENT

EACH WAY

EXISTING

EXPANSION

FABRICATE

FLOOR DRAIN

FOUNDATION

FINISH FLOOR

FRAME&COVER FRAME&GRATE

FINISH FLOOR

FEET

FOOTING

EXPANSION JOINT

EQUAL

HSS	HOLLOW STRUCTURAL STEEL
ID IF IN INCL INT INV	INSIDE DIAMETER INSIDE FACE INCH INCLUDE INTERIOR INVERT
J JB JCT JT	JOIST JUNCTION BOX JUNCTION JOINT
L LF LG LL LLH LLV LOC LP LVR LWL	LENGTH/ANGLE LINEAR FEET LONG LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LOCATION LOW POINT LOUVER LOW WATER LEVEL
MAS MATL MAX MECH MET MFR MG MGD MH MIN MISC MO MOD MTD	MASONRY MATERIAL MAXIMUM MECHANICAL METAL MANUFACTURER MILLION GALLONS MILLION GALLONS PER DAY MANHOLE MINIMUM MISCELLANEOUS MASONRY OPENING MODIFY/MODIFIED MOUNTED
N NA NIC NO NOM	NORTH NOT APPLICABLE NOT IN CONTRACT NUMBER NOMINAL

NOT TO SCALE

OUTSIDE FACE

OUTSIDE DIAMETER

POINT OF CURVE/PIECE

POINT OF INTERSECTION

PLATE/PROPERTY LINE

POINT OF TANGENCY

POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH

ON CENTER

OPENING

OPPOSITE

OPEN TRUSS

OVERHEAD

PARALLEL

PARTITION

PAVEMENT

QUANTITY

PILE CUT OFF

PREFÁBRICATED

NTS

OD OF

OPNG

OPP OT

R RAD RCP RD REINF RECT REM REQD RF RO	RISER RADIUS REINFORCED CONCRETE PIPE ROOF DRAIN REINFORCEMENT RECTANGULAR REMOVE REQUIRED ROOF ROUGH OPENING
S SCHED SECT SF SHT SIM SJ SPEC SQ SS STA STD STR STIF STIR STIL STRUC SUB SYM	SOUTH SCHEDULE SECTION SQUARE FEET SHEET SIMILAR STEEL JOIST SPECIFICATION SQUARE STAINLESS STEEL STATION STANDARD STAIR STIFFENER STIRRUP STEEL STRUCTURAL SUBSTITUTE SYMMETRICAL
T T&B T&G TAN TEMP THK TOC TOD TOF TOM TOS TOW TYP	TREAD TOP AND BOTTOM TOUNGE AND GROOVE TANGENT TEMPERATURE THICK TOP OF CURB/CONCRETE TOP OF DECK TOP OF FOOTING TOP OF MASONRY/MANHOLE TOP OF SLAB/STEEL TOP OF WALL TYPICAL UNLESS NOTED OTHERWISE
0110	CHELOO HOTED OTHERWISE

VERTICAL

WITH

YARD

YEAR

WITHOUT

WATER LEVEL

WATER SURFACE

WEST/WIDTH/WIDE FLANGE

WATERPROOF/WALL PIPE

WALL PENETRATING TYPE

WELDED WIRE FABRIC

VERT

W/0

WWF

<u>SYMBOLS</u>



COMPACTED BACKFILL

SELECT GRANULAR FILL MATERIAL

CONCRETE BLOCK

FINISHED WOOD

CONCRETE

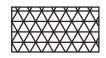
ROUGH WOOD

RIGID INSULATION

REINFORCED STEEL IN CONCRETE

 $\times \times \times \times$

WELDED WIRE FABRIC



BLANKET INSULATION





DENOTES MOMENT CONNECTION

	<u></u>	\mathbf{C}		
.dwg	ing(s	and		
1004	draw	esign		
/SAS-	g this	ing De	by:	
2/5-1	gardin	ngineer	igned	
i–Mego	Comments: All inquiries regarding this drawing(s)	NYC Environmental Protection, Bureau of Engineering Design and	Boodbyph@btrep_24wglufgB€tSQO2Q.dWg36 PM Designed by:	
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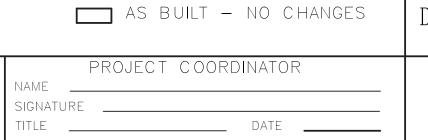
CONSULTANT INFORMATION	С
Savin Engineers, P.C.	Control of the second
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9					
- CARROLL					
	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION



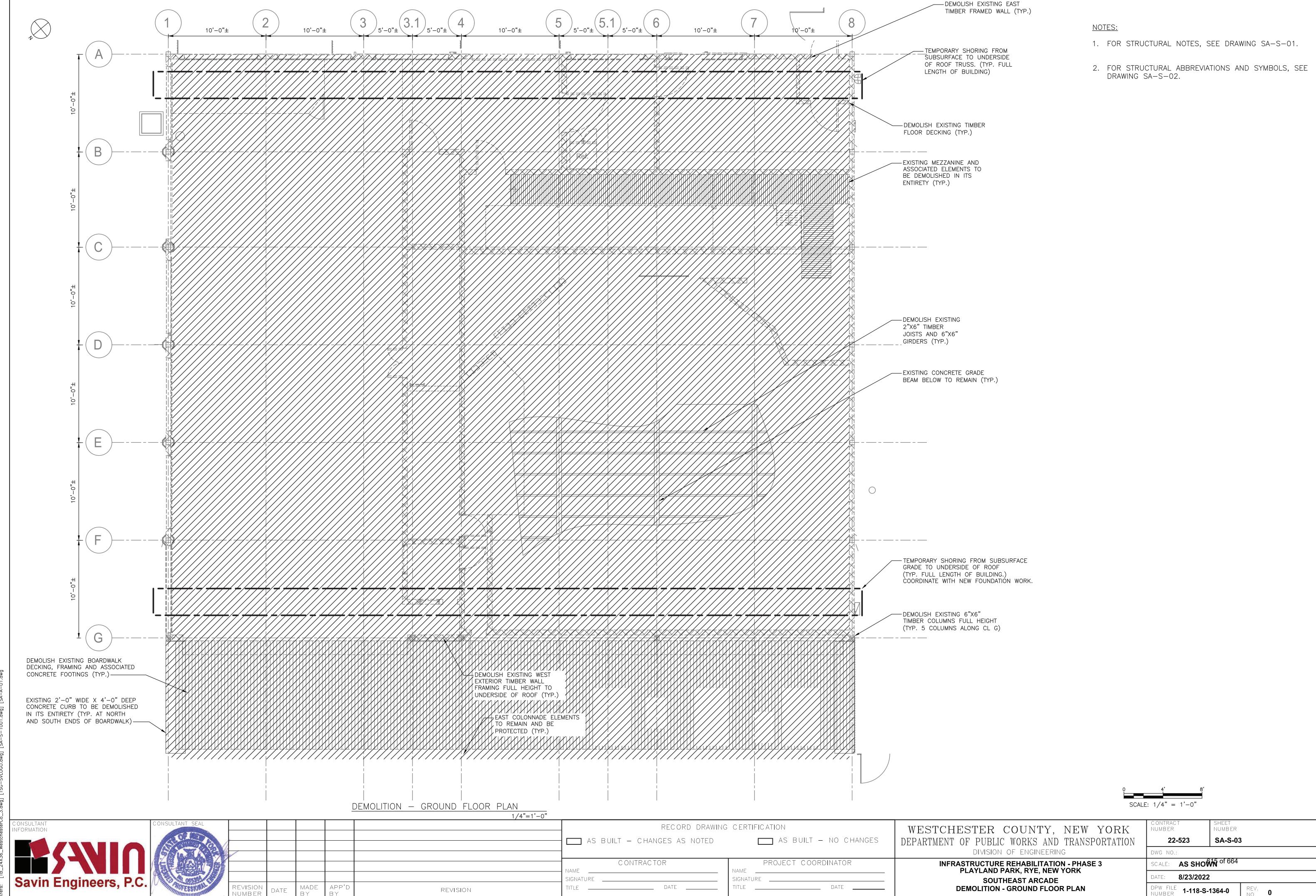
TITLE _____ DATE _____

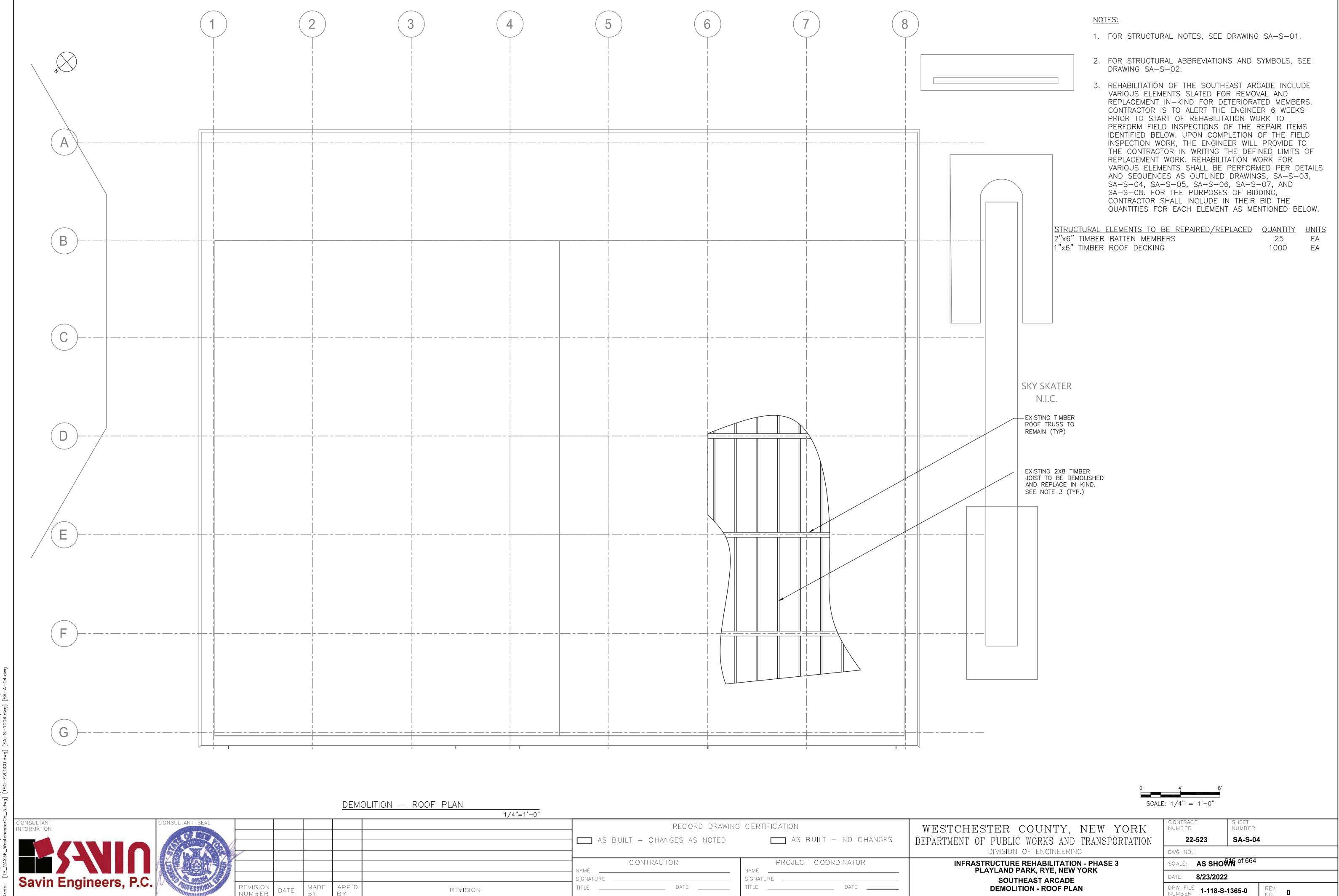


DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE STRUCTURAL ABBREVIATIONS AND SYMBOLS

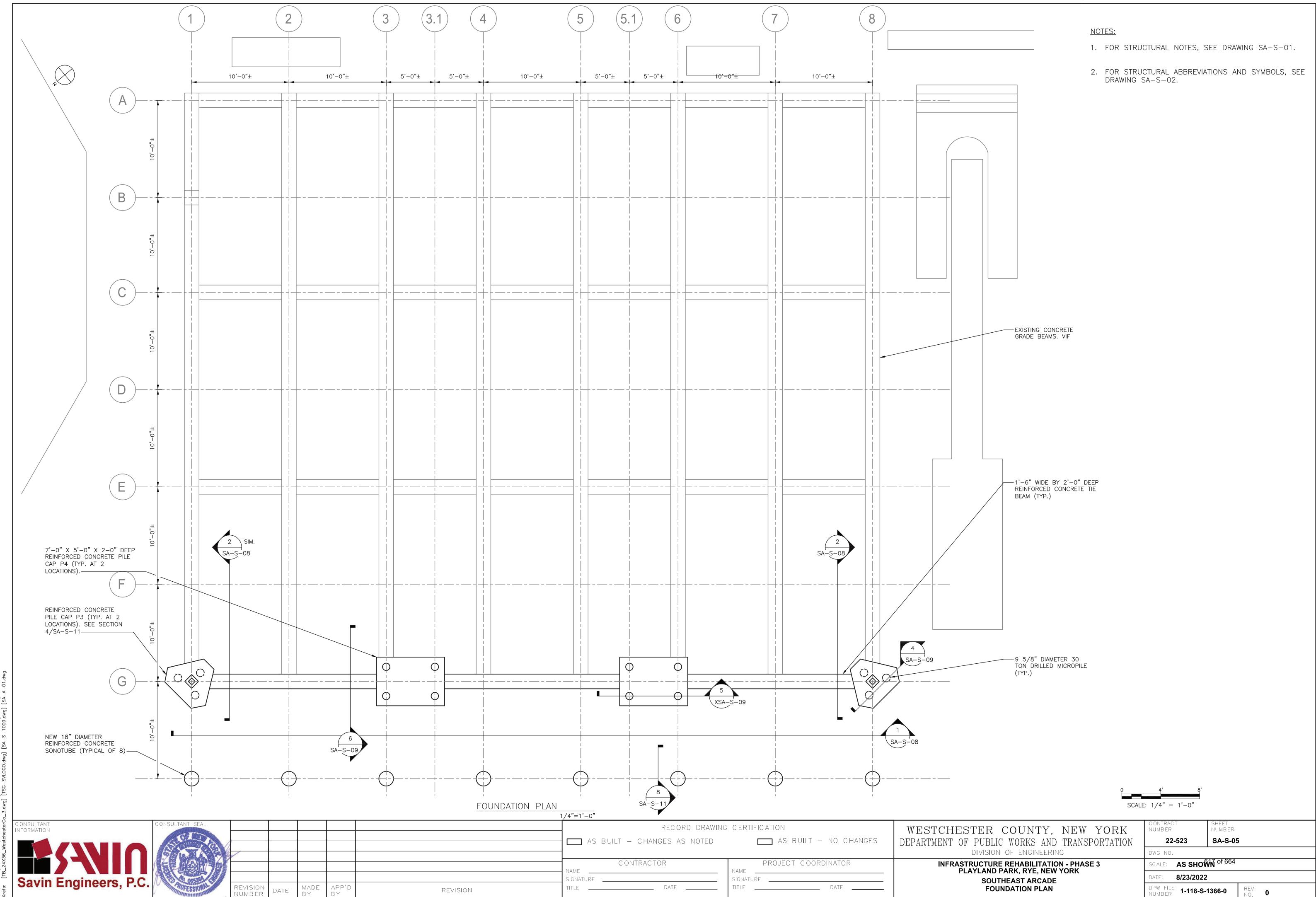
WESTCHESTER COUNTY, NEW YORK

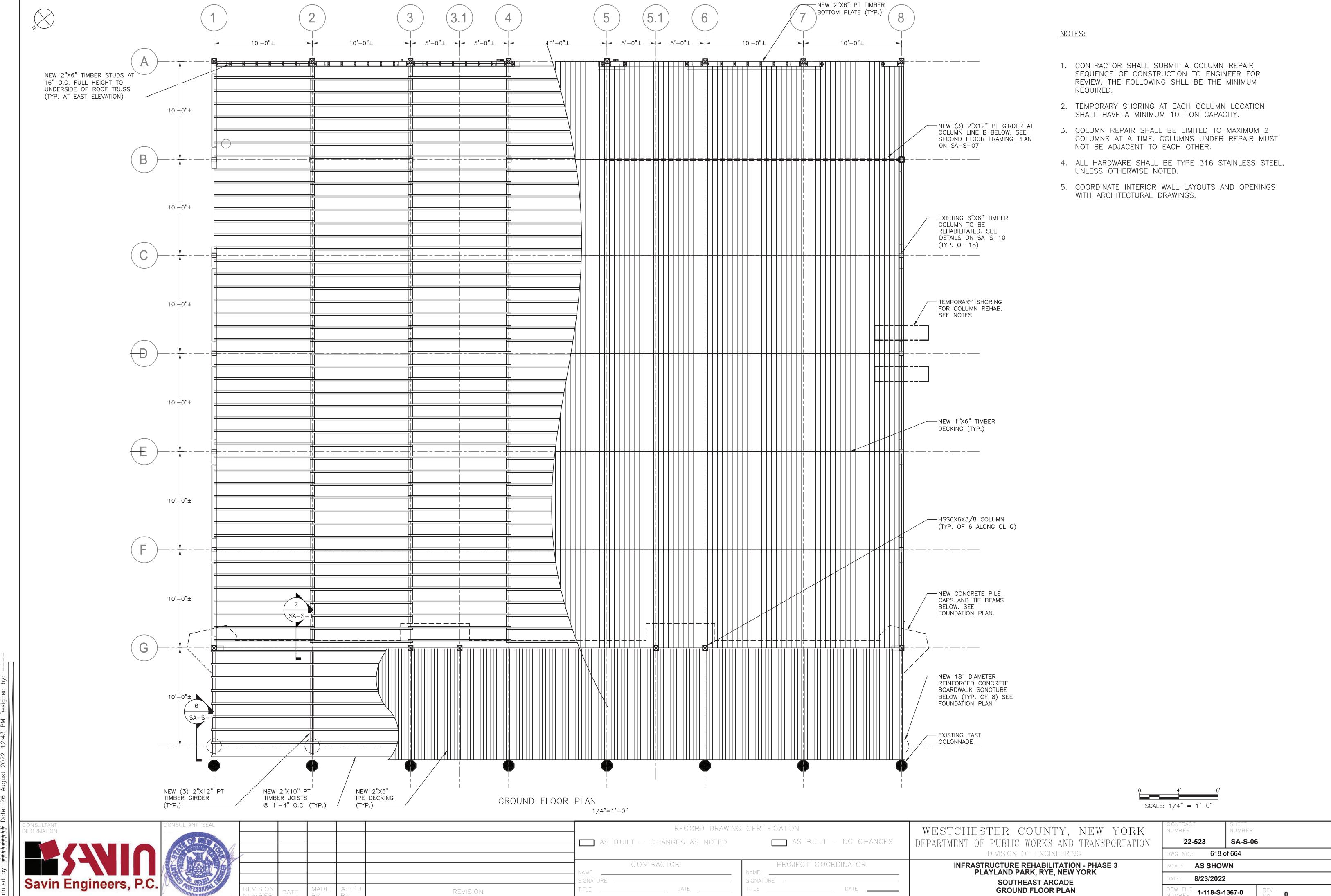
CONTRACT NUMBER	SHEET NUMBER			
22-523	SA-S-02	2		
DWG NO.:				
SCALE: AS SHOW	A of 664			
DATE: 8/23/2022				
DPW FILE 1-118-S-	1363-0	REV. NO.	0	
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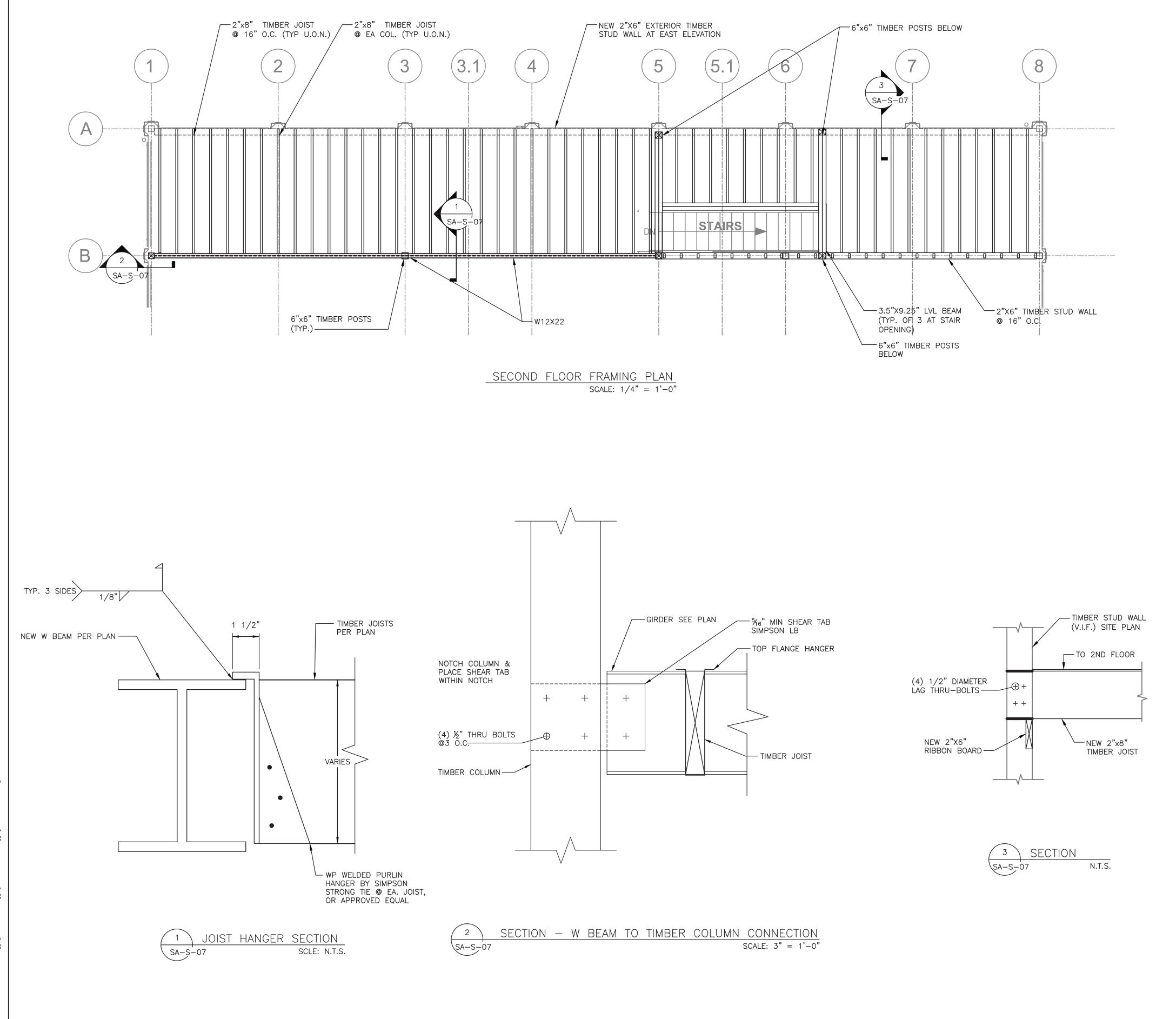




Iwing Name: G:\SavinAutocad\2060\25—Playland—Mega—3\S\SAS—1005.awg #: Projectname: 211001F02 Comments: —— nted by: MGodby Date: 24 August 2022 4:37 PM Desianed by: ———







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

SCALE: 3" = 1'-0"

CONSULINFORMA	TANT TION 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 22-523	SHEET NUMBER SA-S-07
6-SVL060				CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK	DWG NO.: SCALE: AS SHOW	619 of 664
Sav	vin Engineers, P.C.	REVISION DATE MADE APP'D BY	REVISION	SIGNATURE DATE	SIGNATURE DATE	SOUTHEAST ARCADE SECTIONS AND DETAILS	DATE: 8/23/202 DPW FILE NUMBER 1-118-S	25.7

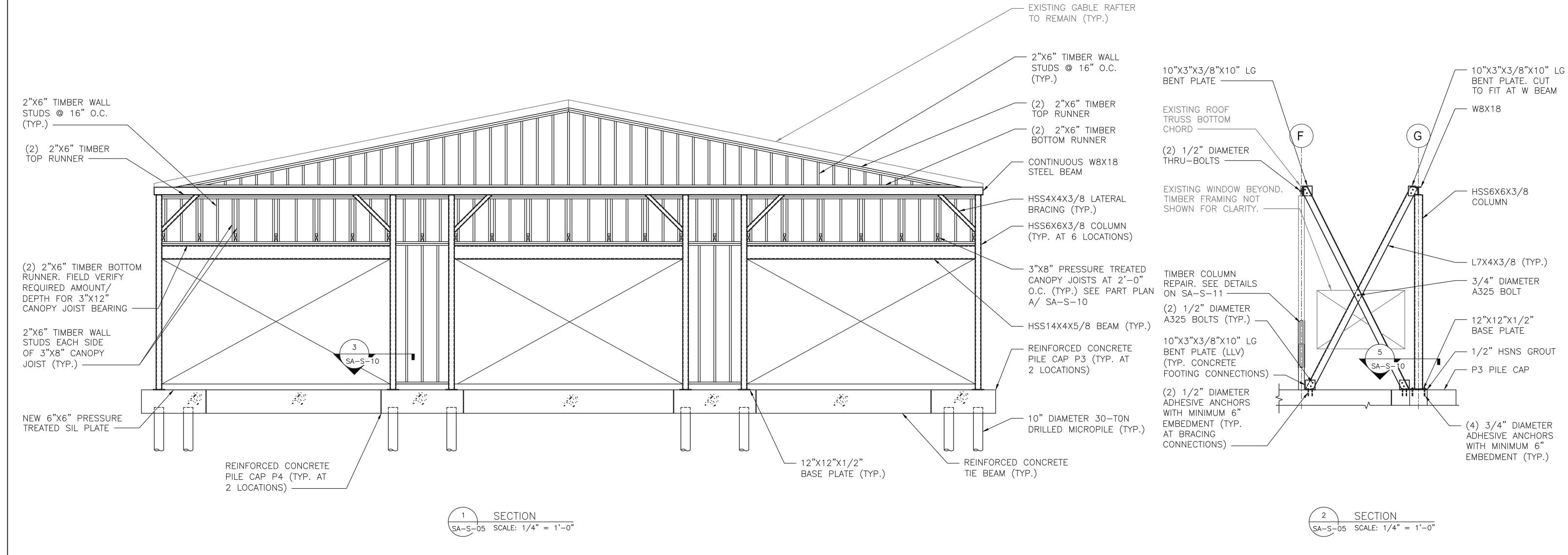
ing Name: G:\SavinAutocad\2060\25-Playland-Mega-3\S\SAS-1013.dwg
Projectname: ---- Comments: ---ed by: MGodby Date: 24 August 2022 4:38 PM Designed by: ---[TSG-SVLOGO.dwa] [TB_24x36_WestchesterCo_3.dwa] [SA-A-13.dwa] [SA-S-1005.dwa]

Drawing Name: Z:\2060.25 — Playland Rehabilitation\04 — Design\MEGA CONTRACT
#3\Drawings\CADD\S\SAS-1015.dwg

Projectname: 211001F02 Comments: ———
Printed by: ######## Date: 26 August 2022 12:48 PM Designed by: ———

RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK UMBER MAS BUILT — NO CHANGES AS BUILT - CHANGES AS NOTED DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 22-523 SA-S-08 DIVISION OF ENGINEERING 620 of 664 Savin Engineers, P.C. INFRASTRUCTURE REHABILITATION - PHASE 3
PLAYLAND PARK, RYE, NEW YORK CONTRACTOR PROJECT COORDINATOR **AS SHOWN** 8/23/2022 SOUTHEAST ARCADE **SECTIONS** REVISION 1-118-S-1369-0

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



BASIC DEVELOPMENT LENGTH ** I d				CLASS B SPLICE LENGTH ** 1.3 x I d					
CLEAR SP	ACING > 3"	CLEAR SP	ACING < 3"	BAR SIZE	CLEAR SPA	ACING > 3"	CLEAR SP	ACING < 3"	
BASIC	TOP *	BASIC	TOP *		BASIC	TOP *	BASIC	TOP *	
1'-0"	1'-4"	1'-9"	2'-2"	#3	1'-4"	1'-9"	2'-2"	2'-11"	
1'-4"	1'-8"	2'-2"	2'-9"	#4	1'-8"	2'-2"	2'-9"	3'-7"	
1'-8"	2'-2"	2'-10"	3'-7"	#5	2'-2"	2'-10"	3'-7"	4'-8"	
2'-0"	2'-6"	3'-3"	4'-2"	#6	2'-6"	3'-3"	4'-2"	5'-5"	
3'-6"	4'-7"	5'-11"	7'-7"	#7	4'-7"	5'-11"	7'-7"	9'-11"	
4'-0"	5'-2"	6'-9"	8'-8"	#8	5'-2"	6'-9"	8'-8"	11'-4"	
4'-6"	5'-10"	7'-7"	9'-10"	#9	5'-10"	7'-7"	9'-9"	12'-9"	
5'-0"	6'-5"	8'-6"	11'-10"	#10	6'-5"	8'-6"	11'-0"	13'-7"	
5'-7"	7'-4"	9'-5"	12'-6"	#11	7'-4"	9'-5"	12'-6"	14'-9"	

* 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

*** UNCOATED REINFORCEMENT

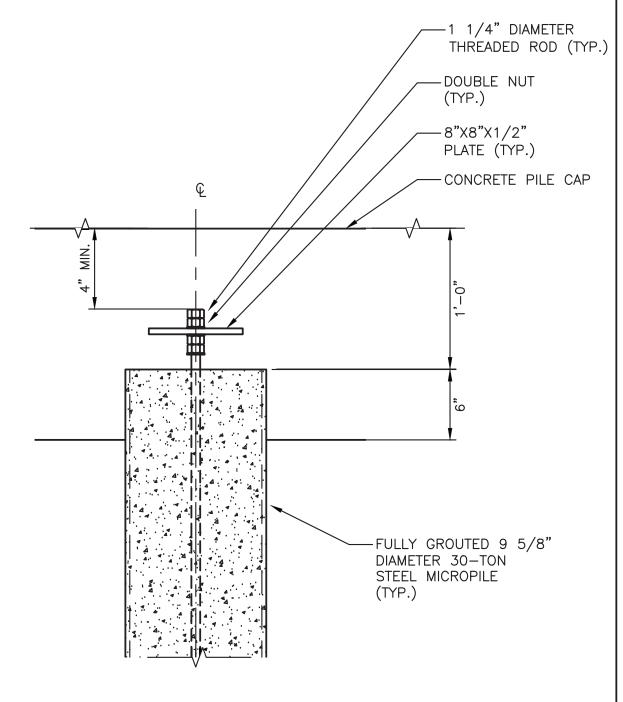
DEVELOPMENT LENGTH OF STANDARD HOOKS FOR BARS IN TENSION

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

	DEVELOPMENT	LENGTH, I dh
BAR SIZE	BASIC	W/CONC. COVER *
#3	8"	6"
#4	10"	7"
#5	1'-0"	9"
#6	1'-3"	11"
#7	1'-5"	1'-0"
#8	1'-7"	1'-2"
#9	1'-10"	1'-4"
#10	2'-1"	1'-6"
#11	2'-3"	1'-7"
OTES:		

* 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".

** UNCOATED REINFORCEMENT



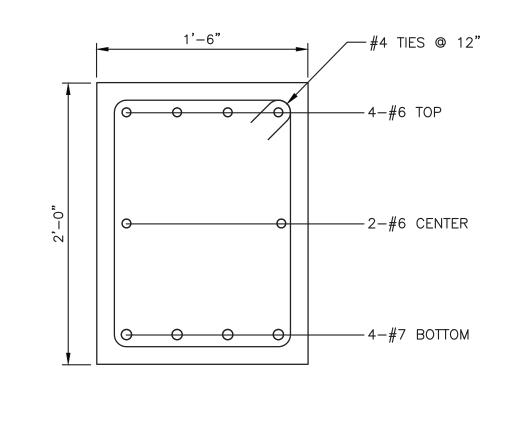


NOTES:

SA-S-02.

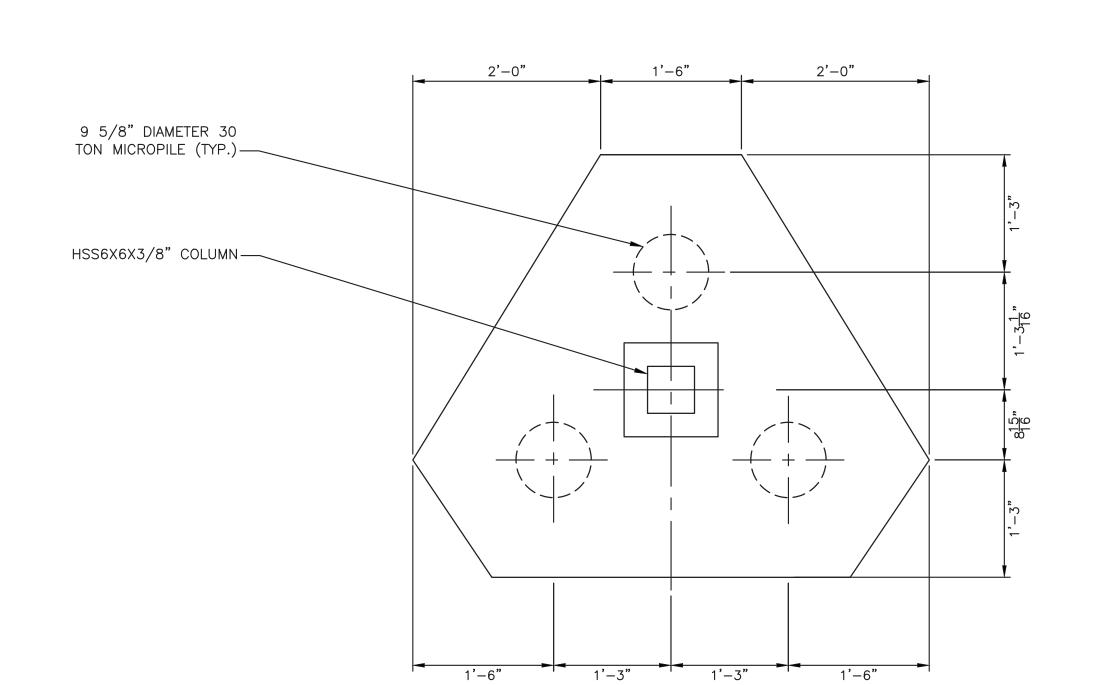
1. FOR STRUCTURAL NOTES, SEE DRAWING SA-S-01.

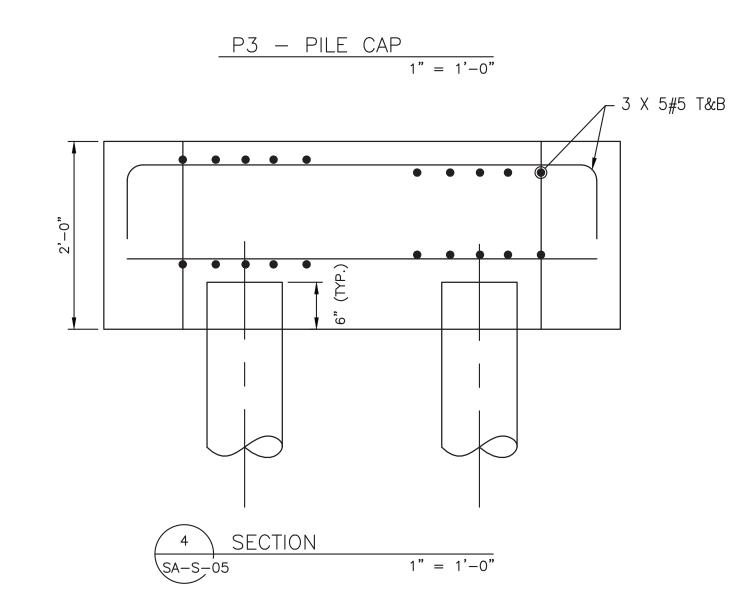
2. FOR STRUCTURAL ABBREVIATIONS AND SYMBOLS, SEE DRAWING

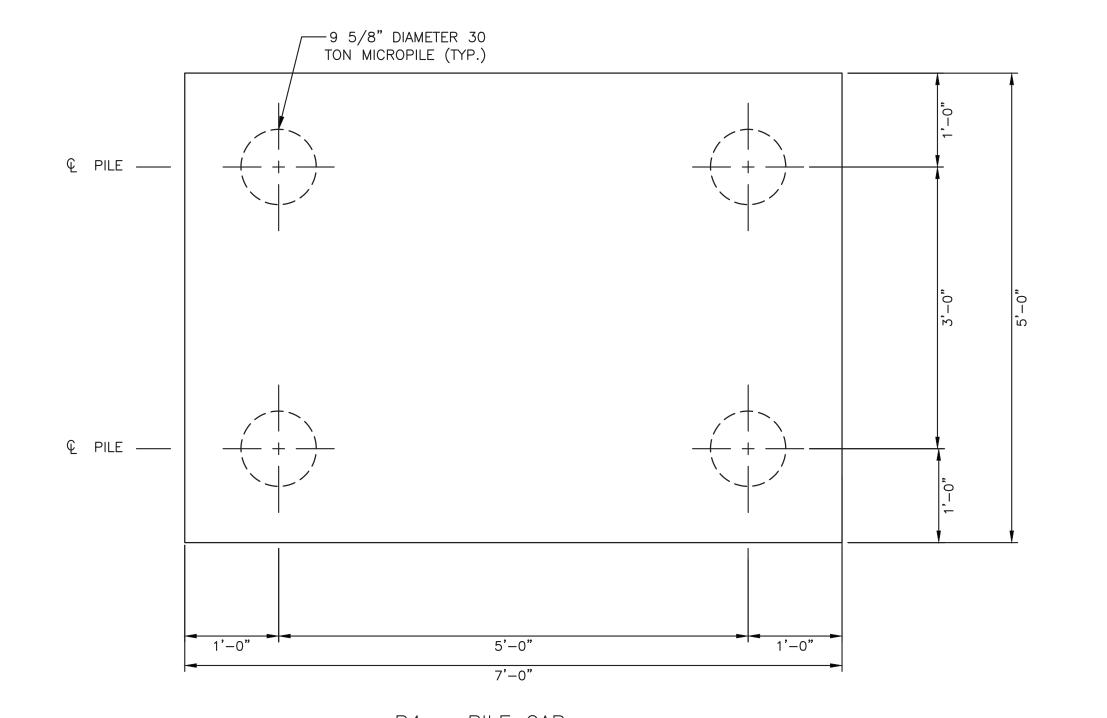


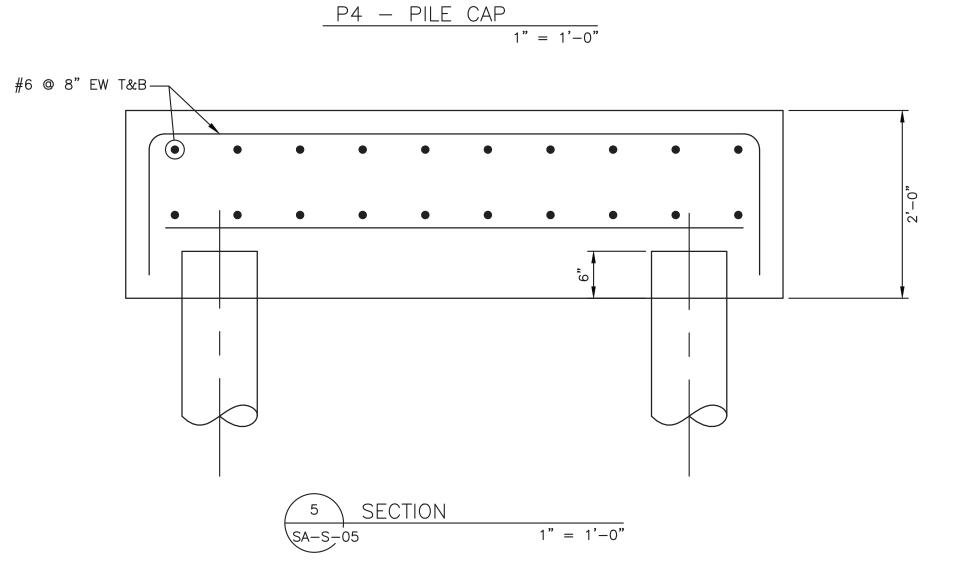


CONTRACT NUMBER SHEET NUMBER WESTCHESTER COUNTY, NEW YORK SA-S-09 AS BUILT — NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 22-523 DIVISION OF ENGINEERING DWG NO.: SCALE: AS SHOWN of 664 INFRASTRUCTURE REHABILITATION - PHASE 3
PLAYLAND PARK, RYE, NEW YORK DATE: **8/23/2022** SOUTHEAST ARCADE SECTIONS AND DETAILS DPW FILE **1-118-S-1370-0**



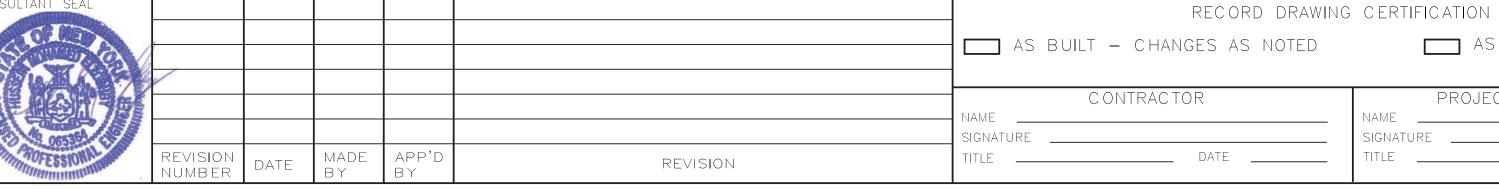






PROJECT COORDINATOR





Savin Engineers, P.C.

TYP 1/4/1

(2) 3/4" SOLID ROD SPACER AT

MAX 10'-0" O.C.

HSS 8X4X3/8

(TYP.)-

NEW HSS 8X4X3/8 BEAM

(TYP.)——

EXISTING HSS6X6 COLONNADE COLUMN-



						1
1	6					╽┕
						NA
9000						SIC
×	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	ТІТ

--- NEW 3"X8" PT TIMBER CANOPY

JOISTS AT 2'-0" O.C. (TYP.)

ADDITIONAL DETAILS

NEW 3"X8" CONTINUOUS

PRESSURE TREATED TIMBER RUNNER

1" GAP. SEE A DRAWINGS

SIMPSON HU38

MOUNT HANGER

GALVANIZED

L6X4X3/8 LLV

TYPE 316 SS FACE

- 3"X8" CONTINUOUS PRESSURE TREATED TIMBER BEAM

CANOPY JOISTS AT 24" O.C.

SEE A DRAWINGS AND SA-S-10 FOR

SCALE: 3/4" = 1'-0"

PART PLAN AT CANOPY

— CORRUGATED CANOPY

PANELS. SEE A DRAWINGS

G

-NEW HSS 14X4x5/8STEEL BEAM BELÓW

-2"X6" TIMBER WALL

-(2) 1/2" DIAMETER THRU-BOLTS (TYP.

-2"X6" TIMBER BOTTOM

EACH JOIST)

RUNNER(S).

-EXISTING HSS6X6

-3/4" DIAMETER THRU-BOLT

-HSS 8X4X3/8

-9"X8"X3/8" PLATE

2 SIDES TYP

-(4) 1/2" DIAMETER THRU-BOLTS. BOLTS

SHALL BE SNUG WITH

EXISTING HSS COLUMN

-(2) 1/2" DIAMETER THRU-BOLT

(TYP. TOP AND BOTTOM)

COLUMN

FRAMING AT MAX 16" O.C.

CONTRACTOR

PROJECT COORDINATOR

INFRASTRUCTURE REHABILITAT PLAYLAND PARK, RYE, NE SOUTHEAST ARCADE

CONTRACT NUMBER SHEET NUMBER SA-S-10 22-523 WG NO.: CALE: AS SHOWN of 664 8/23/2022 DPW FILE **1-118-S-1371-0**

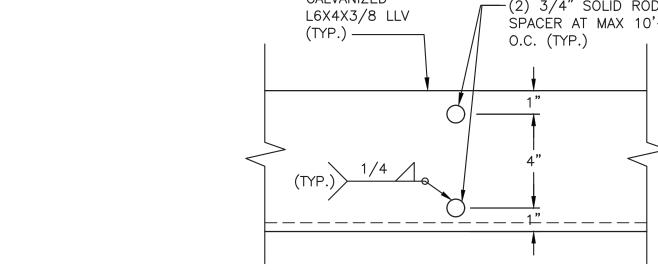
SCALE: 3/4" = 1'-0"SCALE: $1 \frac{1}{2} = 1'-0''$

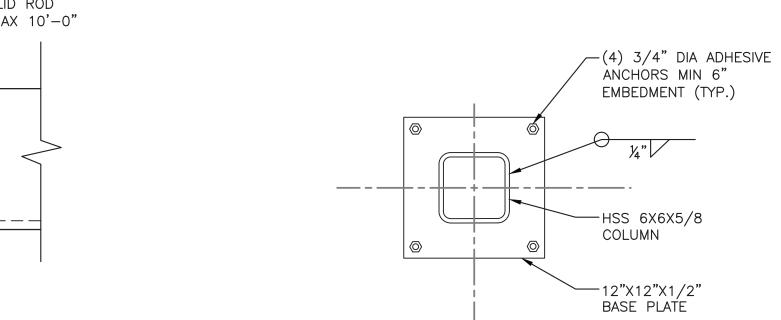




0 0







-EXISTING HSS6X6

—L3X3X3/8 X 6" LONG

-(2) 1/2" DIAMETER THRU-BOLT

— 9"X8"X3/8" PLATE

-(2) 1/2" DIAMETER THRU-BOLT

(TYP. TOP AND BOTTOM)

SCALE: $1 \frac{1}{2} = 1'-0"$

-HSS8X4X3/8

SECTION - HSS BEAM TO COLONNADE CONNECTION

1. L4X6X3/8 NOT SHOWN FOR CLARITY. SEE DETAILS.

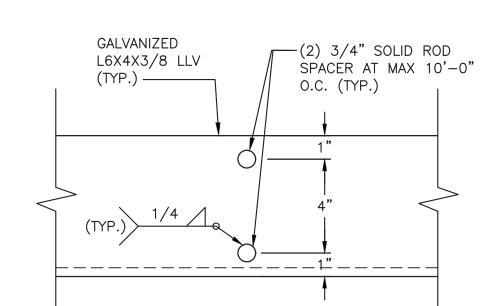
(TYP. TOP AND BOTTOM)

COLUMN

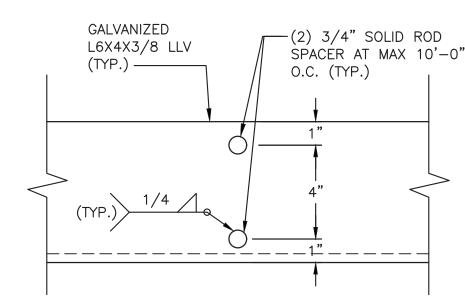
(TYP.)

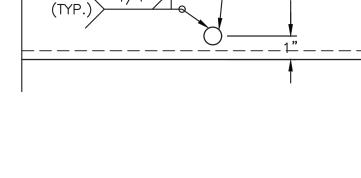
---3/4" DIAMETER

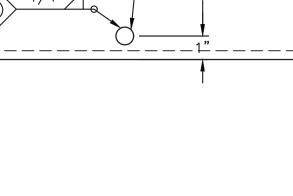
THRU-BOLT (TYP. EACH SIDE)

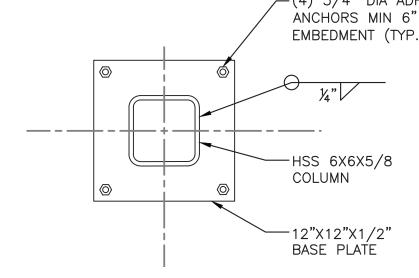


NOTES:

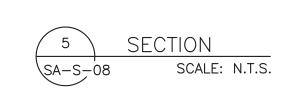
















AS BUILT — CHANGES AS NOTED

AS BUILT — NO CHANGES

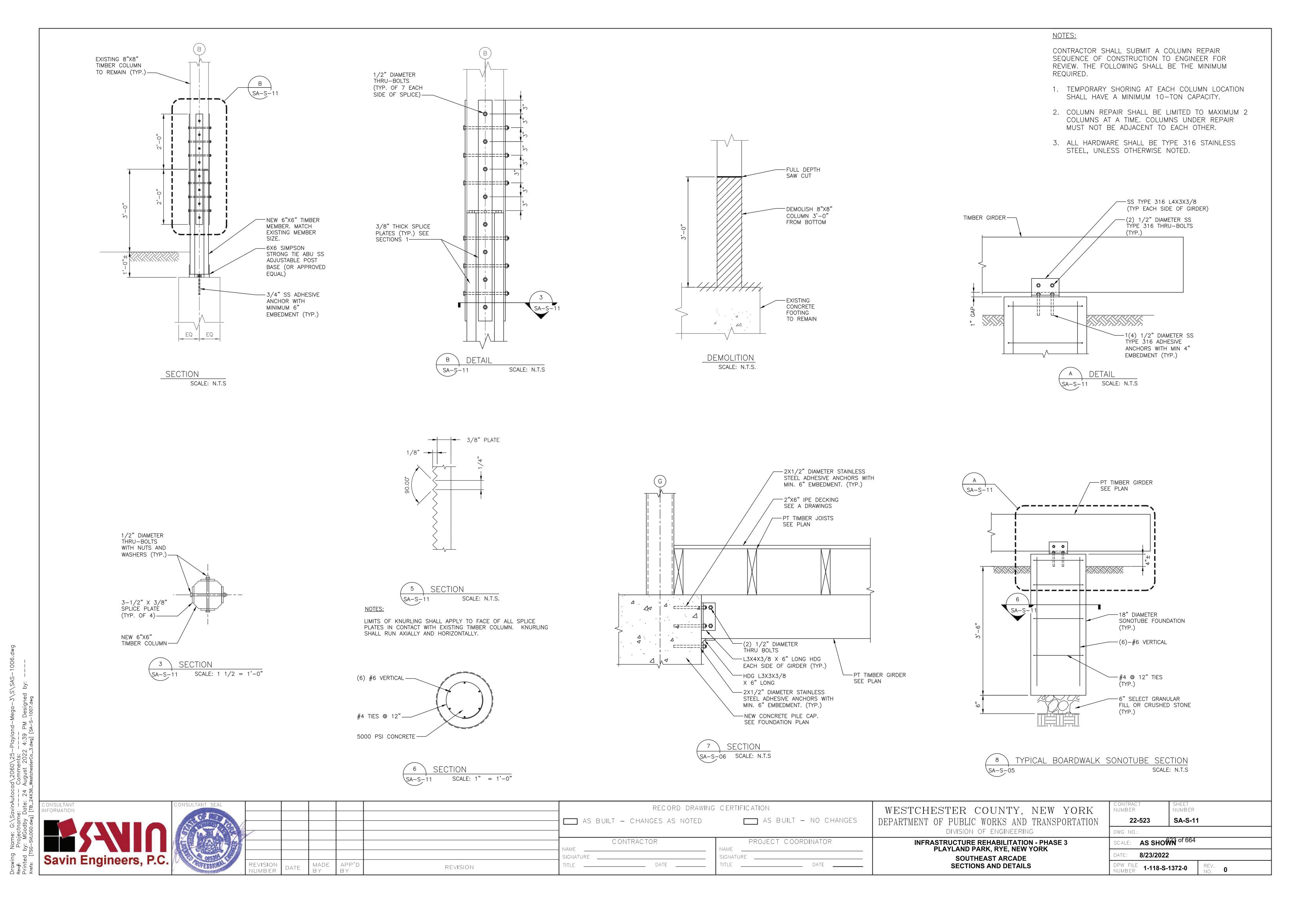
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEE

Y, NEW YORK And transportation	NU
ERING	DW
ATION - PHASE 3 IEW YORK	SC
NEW TORK	DA ⁻

RECORD DRAWING CERTIFICATION

_____ DATE _____

SECTIONS AND DETAILS









TYPICAL STUDS AT CORNERS DETAIL

SCALE: N.T.S.

___2"X6" STUD

-2X2"X6"

HEADER

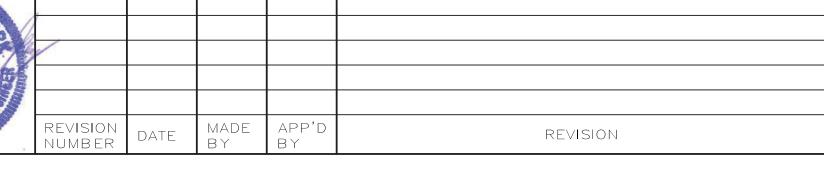
— 2"X6" JACK

ROUGH DOOR ___

OPENING

VARIES

(TYP.)



CONTRACTOR

TITLE _____ DATE ____

/—2X2"X6" TOP PLATE

— 2X2"X6" BLOCKING AS REQURED

-2"X6" CRIPPLE

BOTTOM PLATE

STUDS

─2"X6" PT

(TYP.)

(TYP.)

PROJECT COORDINATOR

DIVISION OF ENGINEERING

22-523 DWG NO.:

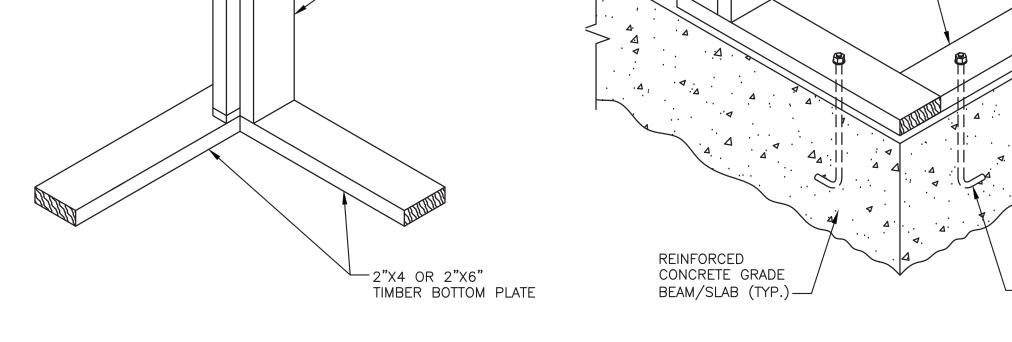
SA-S-12

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

CONTRACT NUMBER SHEET NUMBER SCALE: AS SHOWN of 664

RECORD DRAWING CERTIFICATION

TYPICAL FLOOR FRAMING DETAIL SCALE: N.T.S.



16" O.C. (TYP.)

-2"X6" PT TIMBER SILL -2"X4 OR 2"X6" TIMBER WALL STUD 3/4" DIAMETER J-BOLT AT 48" O.C. WITH MIN. 6" EMBEDMENT (TYP.)

WALL STUD

2"X6" TIMBER

2X2"X8"

— 2"X6" SILL

ROUGH WINDOWS OPENING

└─ 2"X6" WALL STUD

SCALE: N.T.S.

(TYP.)

DETAIL WALL ELEVATION

HEADER —

JAMBS, AND AT MAX. 48" O.C. PROVIDE 1/2" DIAMETER ANCHOR BOLTS WITH MIN. 6" EMBEDMENT SET WITH EPOXY ADHESIVE. HOLD DOWN/TENSION TIE SCALE: N.T.S.

PROVIDE AT WALL CORNERS, DOOR AND WINDOW

HURRICANE TIE SCALE: N.T.S.

TYPICAL AT EACH RAFTER.

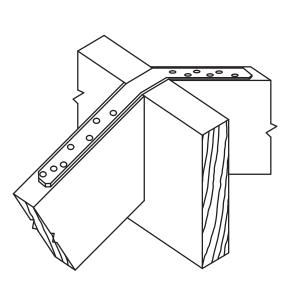
SIMPSON STRONG TIE H2 (OR APPROVED EQUAL).

-LUS JOIST HANGER BY SIMPSON STRONG TIE OR APPROVED EQUAL

FACE MOUNTED JOIST HANGER

SCALE: N.T.S.

SIMPSON STRONG TIE OR APPROVED EQUAL. PROVIDE AT WALL CORNERS, DOOR AND WINDOW JAMBS, AND AT MAX. 48" O.C. PROVIDE 1/2" DIAMETER ANCHOR BOLTS WITH MIN. 6" EMBEDMENT SET WITH EPOXY ADHESIVE.



SIMPSON STRONG TIE (OR APPROVED EQUAL) AT EACH RAFTER. ATTACH DIRECTLY TO RAFTER

RIDGE STRAPPING SCALE: N.T.S.

SIMPSON STRONG TIE H6 (OR APPROVED EQUAL) TYPICAL AT ALL EXTERIOR HEADER LOCATIONS.

HEADER TO JACK STUD CONNECTION SCALE: N.T.S.

AS BUILT — CHANGES AS NOTED

AS BUILT — NO CHANGES

INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE SECTIONS AND DETAILS

DATE: **8/23/2022** DPW FILE NUMBER **1-118-S-1373-0**

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

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

CONTRACT, BUT MUST BE PROTECTED BY THE CONTRACTOR.

4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, EQUIPMENT USE PERMITS, ALL INSPECTION APPROVALS, AND LETTER OF COMPLETION FROM THE 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

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 PROVIDED WHEN SPRINKLER COVERAGE IS IMPACTED TO MAINTAIN BUILDING OPERATIONS OR AS REQUIRED.

FIRE PROTECTION SYMBOL LIST

	FS DRY— — NEW DRY SPRINKLER PIPING
	DRY(E) — EXISTING TO REMAIN DRY SPRINKLER PIPING
0	NEW UPRIGHT SPRINKLER HEAD
0	EXISTING UPRIGHT SPRINKLER HEAD
•	NEW CONCEALED PENDENT SPRINKLER HEAD-ORDINARY TEMPERATURE
\$	SPRINKLER DRY PIPE VALVE
Д	FIRE HOSE CABINET
>	SIAMESE CONNECTION
12	CHECK VALVE
₽ Z}	CHECK VALVE W/ ALARM
\Diamond	WATER MOTOR ALARM BELL
8	PIPE RISER
C-	PIPE DROP
0-	PIPE UP
lacktriangle	POINT OF CONNECTION
	POINT OF DISCONNECTION
	PREACTION 6" BELL
₽	SOLENOID VALVE
፟	OS & Y VALVE
<u>/</u> #\	REVISION SYMBOL
F#)	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
XXX\	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.

SCOPE OF WORK:

1. 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.

MANUFACTURER MODEL DESCRIPTION K-FACTOR QUAI		SPRINKLER HEAD SCHEDULE						
WAND ACTORER WODEL DECORM THON	N	MANUFACTURER MODE	DESCRIPTION	K-FACTOR	QUANTITY			
O RELIABLE F1FR DRY ORDINARY UPRIGHT 5.6 5	0	RELIABLE F1FF		5.6	51			

	ABBREVIATION	DRAWII	NG NOTATIONS
ACV	ALARM CHECK VALVE		
B.O.P.	BOTTOM OF PIPE	#	DRAWING NOTE TAB
(E)	EXISTING TO REMAIN		RISER DESIGNATION
F.S.C.	FIRE SPRINKLER CONTRACTOR	•	POINT OF CONNECTION
P.C	PLUMBING CONTRACTOR		1 SINT OF SOMILESTION
TYP	TYPICAL		POINT OF DISCONNECTION
W/	WITH		
NYS	NEW YORK STATE		

DESIGN CRITERIA

1. AREA OF APPLICATION = 1950 SQ. FT

U/P UNDERGROUND PIPING

W WATER

- 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 = 26
- 6. "K" FACTOR OF SPRINKLER HEADS = 5.6
- 7. DESIGN CRITERIA REQUIREMENTS BASED ON: - 2020 BUILDING CODE OF NEW YORK STATE - 2016 NFPA 13

ORDINARY HAZARD PIPE **SCHEDULE**

STEEL	C	OPPER
1IN. 2 SPRINKLERS 1 1/4 IN. 3 SPRINKLERS 1 1/2IN. 5 SPRINKLERS 2 IN. 10 SPRINKLERS 2 1/2 IN. 20 SPRINKLERS 3 IN. 40 SPRINKLERS 3 1/2 IN. 65 SPRINKLERS 4 IN. 100 SPRINKLERS 5 IN. 160 SPRINKLERS 6 IN. 275 SPRINKLERS 8 IN. 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.	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.

MAX DISTANCE BETWEEN HANGERS (FT.-IN.)

					•							
	1	NOMIN	IAL PI	PE SIZ	ΖΕ (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

CODE REFERENCE

2020 NEW YORK STATE BUILDING CODE 2016 NFPA 13

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

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

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.

BUILDING AND OBSERVE SAFETY REQUIREMENTS.

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

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

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 EDITION.

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

THE LOCAL FIRE DEPARTMENT, INSURANCE INTERESTS, ETC. PRIOR TO VALVE CLOSURES.

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 13.

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 13.

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

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.

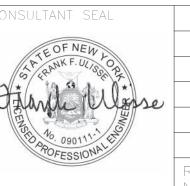
48. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

___ DATE

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

50. PERMIT IS REQUIRED PRIOR TO INSTALLATION, TO INCLUDE SIGNED AND SEALED SHOP DRAWINGS, HYDRAULIC CALCULATION, SHOP DRAWINGS, MANUFACTURERS INFORMATION ON HEADS AND APPLIANCES, COMPLIANCE WITH NFPA 13 AND SECTION 903 2020 NYSBC/FC.

FIRE PROTECTION DRAWING LIST SHEET REVISON REVISION SHEETNAME DATE NO. SA-FP-01 FIRE PROTECTION NOTES, SYMBOLS, ABBREVIATIONS, AND DRAWING LIST SA-FP-11 | FIRE PROTECTION GROUND AND SECOND FLOOR DEMOLITION RCP SA-FP-21 FIRE PROTECTION GROUND AND SECOND FLOOR CONSTRUCTION RCP SA-FP-81 | FIRE PROTECTION DETAILS



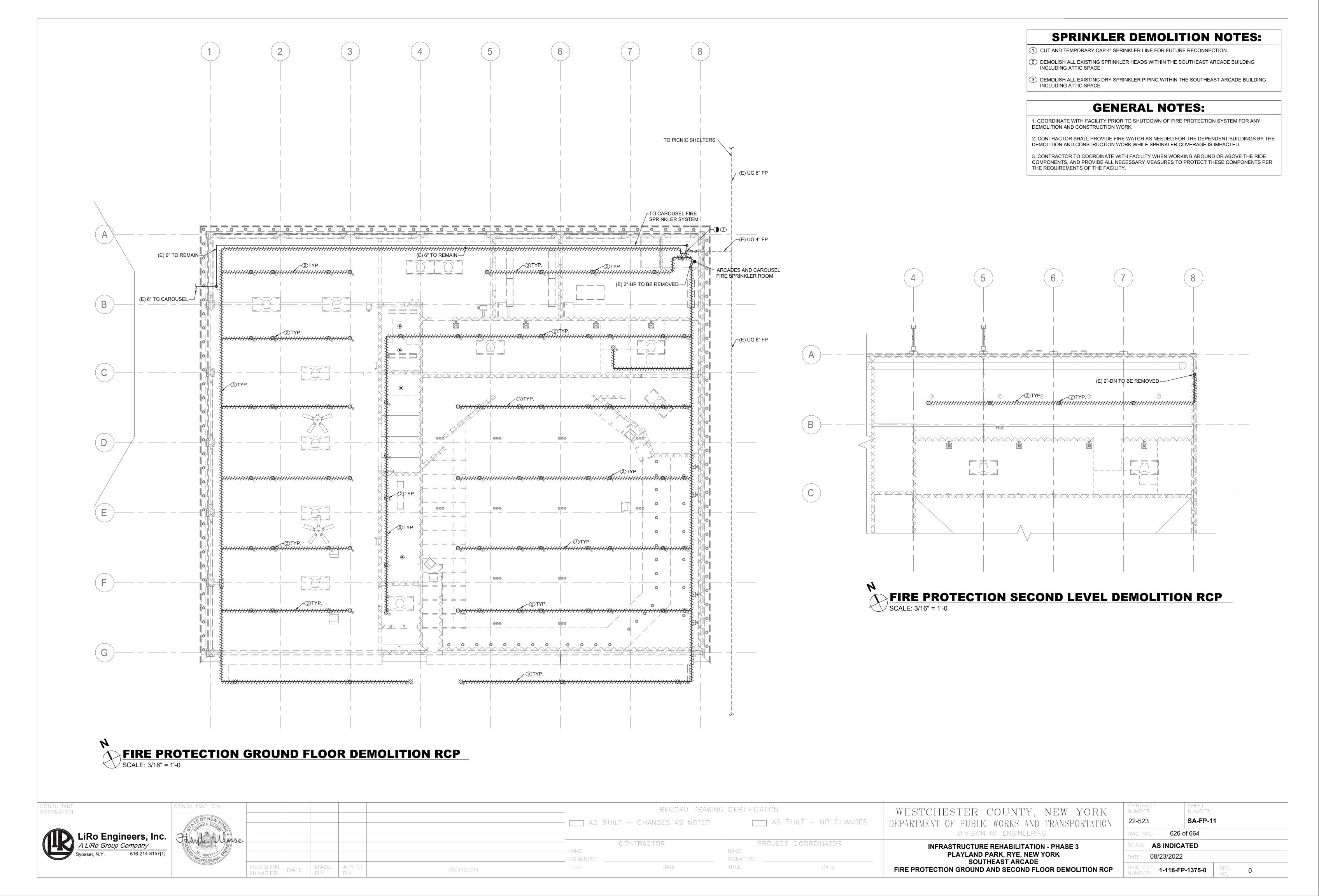
MADE APP'E REVISION

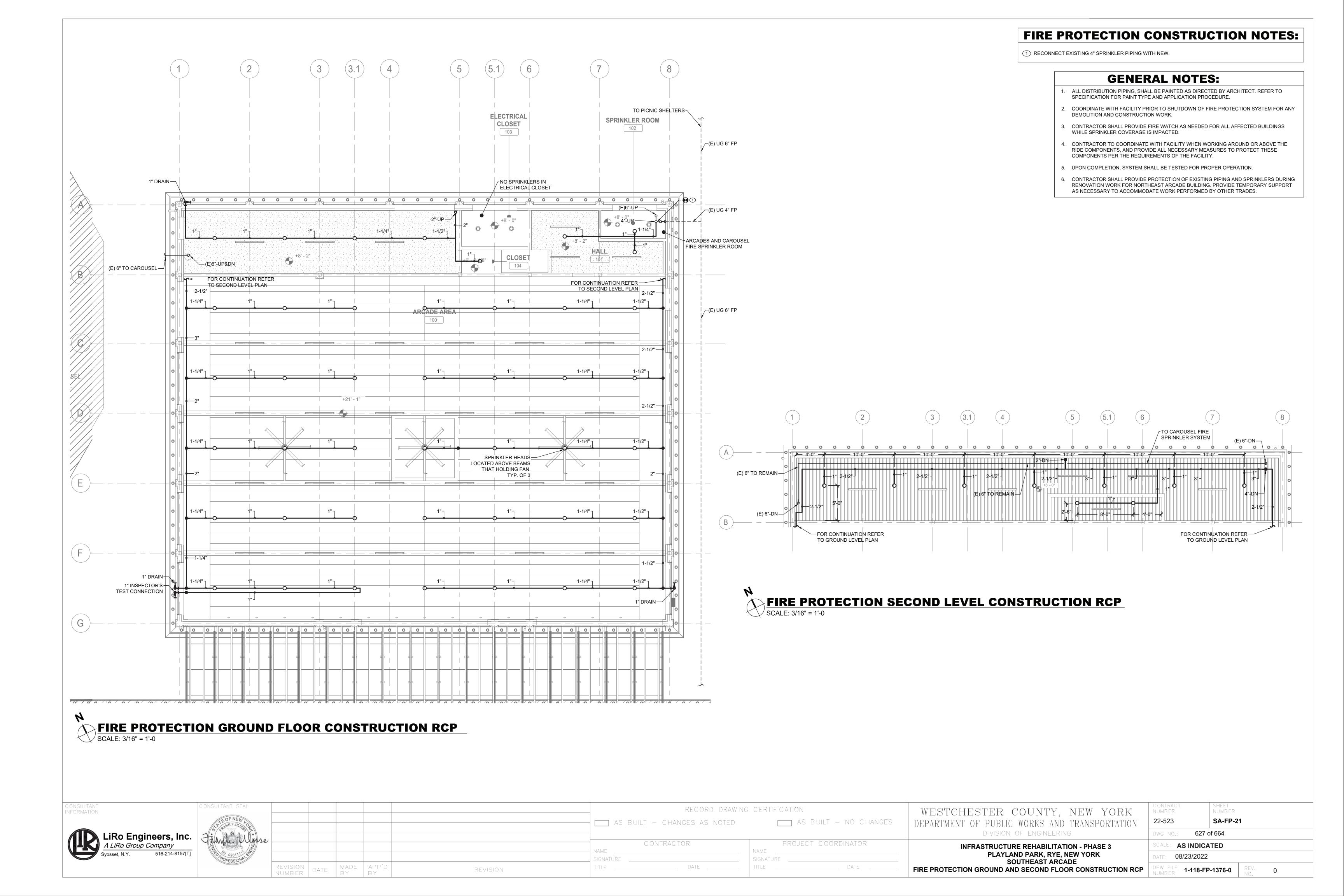
RECORD DRAWING CERTIFICATION AS BUILT - NO CHANGES AS BUILT - CHANGES AS NOTED CONTRACTOR PROJECT COORDINATOR

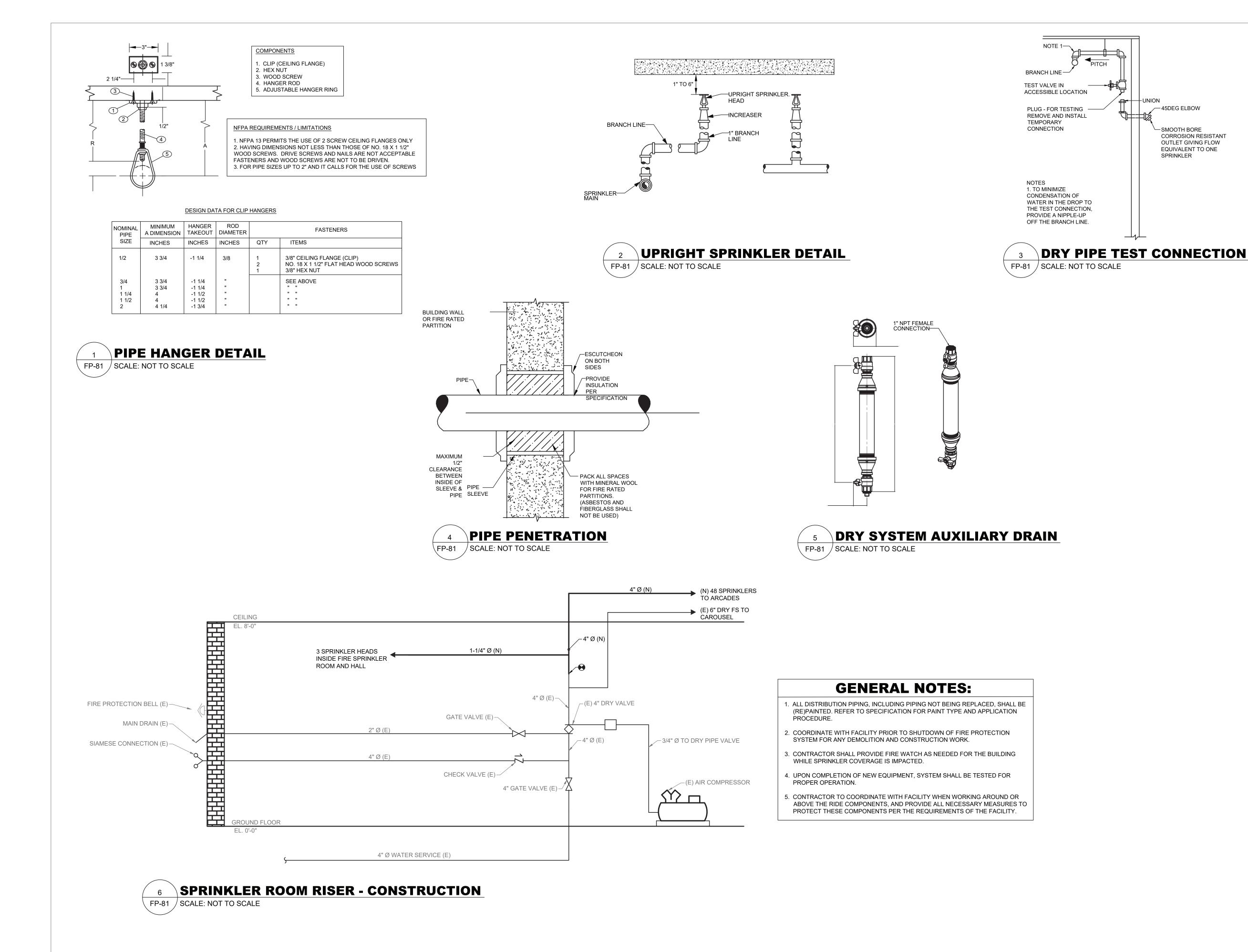
FIRE PROTECTION NOTES, SYMBOLS, ABBREVIATIONS & DWG LIST

WESTCHESTER COUNTY, NEW YORK 22-523 DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION SA-FP-01 DIVISION OF ENGINEERING 625 of 664 **AS INDICATED INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK 08/23/2022 SOUTHEAST ARCADE

1-118-FP-1374-0









∕—45DEG ELBOW

SPRINKLER

-SMOOTH BORE

CORROSION RESISTANT

OUTLET GIVING FLOW

EQUIVALENT TO ONE

PLUMBING SYMBOL LIST

<u>IDENTIFIER</u>	DESCRIPTION
CW	DOMESTIC COLD WATER
W	WASTE PIPING (ABOVE SLAB)
	WASTE PIPING (UNDER SLAB)
s	SANITARY PIPING (ABOVE SLAB)
S	SANITARY PIPING (UNDER SLAB)
V	SANITARY VENT PIPING
•	FIELD CONNECT
•	FIELD DISCONNECT
F#	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
XXX	— EQUIPMENT TAG — EQUIPMENT NUMBER
XXX X-XXX	— DETAIL TAG/CALL OUT TAG — PLUMBING SHEET NUMBER

PIPING ELEMENTS/VALVING

BACKFLOW PREVENTER (DOUBLE CHECK VALVE ASSEMBLY)

———O PIPE RISING UP —

☐ TEE OUTLET DOWN

——O— TEE OUTLET UP

──★ VALVE IN RISE OR DROP

IN BOX W/VACUUM BREAKER

NFHB >+-- NON FREEZE HOSE BIBB

—⊸ნ— BALL VALVE CAP ON END OF PIPE - COI— CLEANOUT

FD⊠—— FLOOR DRAIN ——⋈— GATE VALVE HB Ş+--- HOSE BIBB

SCOPE OF WORK

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

1. REMOVAL OF EXISTING WATER SERVICE.

2. THE INSTALLATION OF NEW PLUMBING FIXTURES AND ALL ASSOCIATED PIPING AND ACCESSORIES.

3. THE INSTALLATION OF NEW SANITARY AND DOMESTIC WATER SERVICES.

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** CLODE OF HODIZONTAL DRAINAGE 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
- 2. 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 TRADES DURING PERFORMANCE OF THIS WORK.
- 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
- THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL PLUMBING EQUIPMENT REGARDLESS WHETHER ILLUSTRATED HEREIN WITHOUT ANY
- 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
- 10. ALL CONNECTIONS TO NEW AND/OR EXISTING EQUIPMENT SHALL BE SIZED AND
- 11. IT IS THE INTENT OF THIS CONTRACT THAT THE COMPLETED WORK BE FULLY
- 12. ALL PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED AT INTERVALS AND BE
- 13. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED WITH ANGLE STOP VALVES IN
- 14. ALL NEW EXPOSED WATER AND WASTE PIPING SERVING THE FIXTURES SHALL BE CHROME PLATED AND SHALL HAVE CHROME PLATED ESCUTCHEONS RIGIDLY
- 15. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL NEW PLUMBING FIXTURES AND EQUIPMENT TO BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT
- 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
- 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
- 20. ALL LAVATORIES DESIGNED FOR USE BY PERSONS CONFINED TO WHEELCHAIRS INSULATED IN ACCORDANCE WITH ADA REQUIREMENTS.
- 22. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
- 24. ALL WATER SERVICE PIPING WITHIN THE BUILDING IS TO BE INSULATED IN
- 25. ALL PLUMBING FIXTURES TO BE INSTALLED AS PER FACTORY RECOMMENDATIONS.
- 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

- 31. ALL PIPE DIMENSIONS ARE INSIDE CLEAR.

REQUIREMENTS/SPECIFICATIONS.

- 32. ALL PLUMBING FIXTURES TO HAVE ISOLATION VALVES.
- 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.
- 35. BUILDING SANITARY DEMAND & SIZING IS CALCULATED FROM NYS-PC SECTIONS 709
- 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

ADDDEV/JATIONS

- WATER COMPANY.
- THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR, SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR, ETC. IN ORDER TO MINIMIZE INTERFERENCES BETWEEN
- THE PLUMBING CONTRACTOR SHALL PREPARE AND FILE ALL REQUIRED PLANS AND 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.
- ADDITIONAL COSTS TO THE OWNER.
- INSTALLATION OF THE WORK, UNLESS NOTED OTHERWISE.
- INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- OPERATIONAL.
- FABRICATED OF MATERIALS AS REQUIRED BY THE PC-NYS.
- THE SUPPLY LINES SERVING THE FIXTURE.
- ATTACHED TO THE PIPING AT THE POINT OF WALL OR FLOOR PENETRATIONS.
- 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.
- SUCH AS FLUSHOMETERS, SOLENOID VALVES, ETC.
- ALL DEBRIS AND DISPOSAL AT AN APPROPRIATE SITE.
- SHALL HAVE THE HOT & COLD WATER SERVICES, AS WELL AS THE TRAP, RECESSED &
- 21. REFER TO THE ARCHITECTURAL PLANS FOR ALL STRUCTURAL DIMENSIONS.
- 23. ALL PIPING PENETRATIONS TO BE SEALED AROUND WITH "NELSON" FIRE SEAL.
- ACCORDANCE WITH ALL NEW YORK STATE PLUMBING CODE (NYS-PC) AND NYS
- 26. ALL PLUMBING FIXTURES TO BE TRAPPED, VENTED AND PROVIDED WITH AIR SHOCKS
- 27. PLUMBING FIXTURES SHALL COMPLY WITH "WATER CONSERVATION" REQUIREMENT
- SHALL BE INSULATED.
- 30. FLOOR DRAINS AND FLOOR CLEAN-OUTS SHALL BE SET LEVEL WITH FINISHED

- 33. P.C. IS RESPONSIBLE TO ADJUST HOT WATER HEATER (WH) TEMPERATURE TO
- 34. BUILDING DOMESTIC WATER DEMAND & SIZING IS CALCULATED FROM NYS-PC SECTION 603, 604 & APPENDIX E.
- AND 710.

NOTES

AE	BBREVIATIONS:
AD	ACCESS DOOR
BFP	BACKFLOW PREVENTER
CO	FLOOR CLEAN OUT
CW	COLD WATER
DCV	DOUBLE CHECK VALVE
DFU	DRAINAGE FIXTURE UNIT
DPCO	DECK PLATE CLEAN OUT
FC	FIELD CONNECT
FD	FLOOR DRAIN
FD	FUNNEL FLOOR DRAIN
FU	FIXTURE UNIT
HW	HOT WATER
HWR	HOT WATER RETURN
IAW	IN ACCORDANCE WITH
IWFD	INDIRECT WASTE FUNNEL DRAIN
_AV	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
ΓMV	THERMOSTATIC MIXING VALVE
U.O.N.	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
WC	WATER CLOSET
PC	PLUMBING CONTRACTOR
МС	MECHANICAL CONTRACTOR
ΓΥΡ.	TYPICAL
VIF	VERIFY IN FIELD
WCO	WALL CLEAN OUT
WFU	WATER FIXTURE UNITS
(N)	NEW
/[]	EVISTING

EXISTING 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 USED.

			SIM	MPLEX DR	AIN	PUM	P SY	STE	M				
TAG	MANUFACTURER	MODEL	LOCATION	PUMP OPERATION	PERFO	RMANCE (C	SPM@FTO	FHEAD)	DISCHARGE	VENT	ELECT	RICAL	OPTIONS /
170	WANTACTORER	WODEL	LOOAHON	POW OF EXAMON	5	10	15	20	(INCH)	(INCH)	V.PH.HZ	HP	ACCESSORIES
SP-1	LIBERTY PUMPS	404 SERIES	UNDER PANTRY SINK	AUTOMATIC	37	30	19	5	2	2	115.1.60	1/3	ALARM & CHECK VALVE

PLUMBING FIXTURE SCHEDULE

			LON	IDING	IIXIC	INL S	JIILD				
1831				SER	VICE				BASED ON:		
MARK	DESCRIPTION	TRAP	S/W	V	cw	TW	HW	ITEM	MANUFACTURER	MODEL	REMARKS
PF-1	PANTRY SINK	2"	2"	2"	1/2"	-	1/2"	FAUCET DRAIN TRIM	ELKAY	LR2522SC	FAUCET ELKAY LK810GN04T4 SC
NOTES:											
1. PROVI	DE ALL REQUIRED HANGERS, MI	DUNTING BRAC	KETS, AND HAR	DWARE FOR A	COMPLETE INS	TALLATION PE	R MANUFACTU	RES INSTRUCT	IONS. INCLUDES DRA	AIN AND P-TRAF	٥.

ELECTRIC DOMESTIC HOT WATER HEATER SCHEDULE TAG MANUFACTURER MODEL LOCATION HEATER KW STORAGE WATER TEMP ELECTRICAL DIMENSION APPROX. SHIPPING

IAG	WANDFACTURER	WIODEL	LOCATION	HEATER KW	SETPOINT (DEG F)	V-PH-HZ	AMPS	HxWxD (IN)	WEIGHT (LBS)
WH-1	EEMAX	SPEX3208	UNDER SINK	3	110	208-1-60	15	10.75x5.25x3	3
NOTES:									

	CLEANOUT	SCHEDULE	
TAG	TYPE	MANUFACTURER	MODEL
CO	ADJUSTABLE DECK PLATE CLEAN OUT	WATTS	CO-1200-R

	PLUMBING DRAWING LIST								
SHEET NO.	SHEET NAME	REVISON NO.	REVISION DATE						
SA-P-01	PLUMBING NOTES, SYMBOLS, ABBREVIATIONS, AND DRAWING LIST	0	-						
SA-P-11	PLUMBING GROUND FLOOR AND 2ND LEVEL DEMOLITION PLANS	0	-						
SA-P-21	PLUMBING GROUND FLOOR AND 2ND LEVEL CONSTRUCTION PLANS	0	-						
SA-P-81	PLUMBING DETAILS	0	-						

LiRo Engineers, Inc.

ONSULTANT SEAL

| MADE | APP'D REVISION AS BUILT — CHANGES AS NOTED

CONTRACTOR

RECORD DRAWING CERTIFICATION

PROJECT COORDINATOR

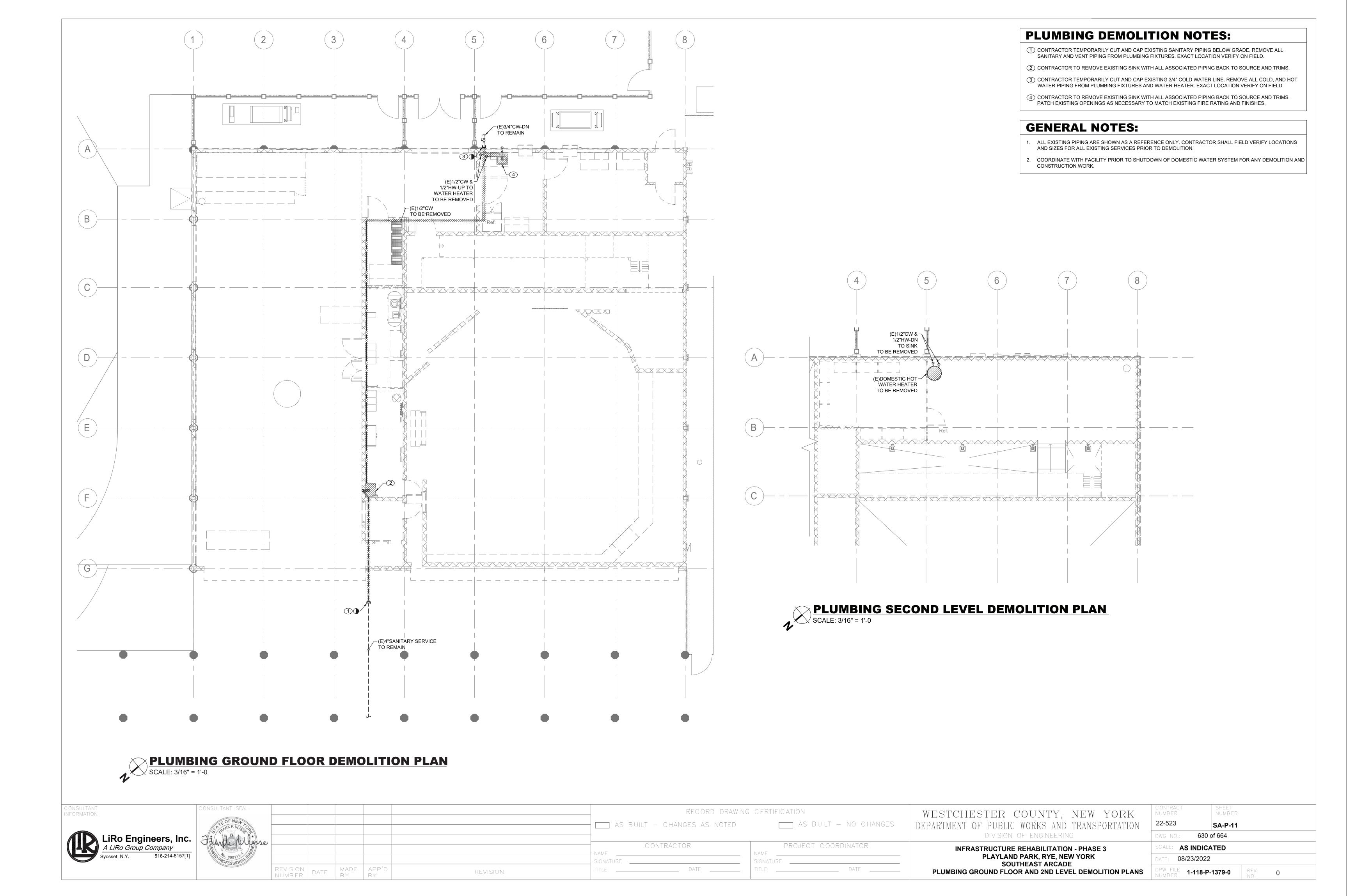
AS BUILT - NO CHANGES

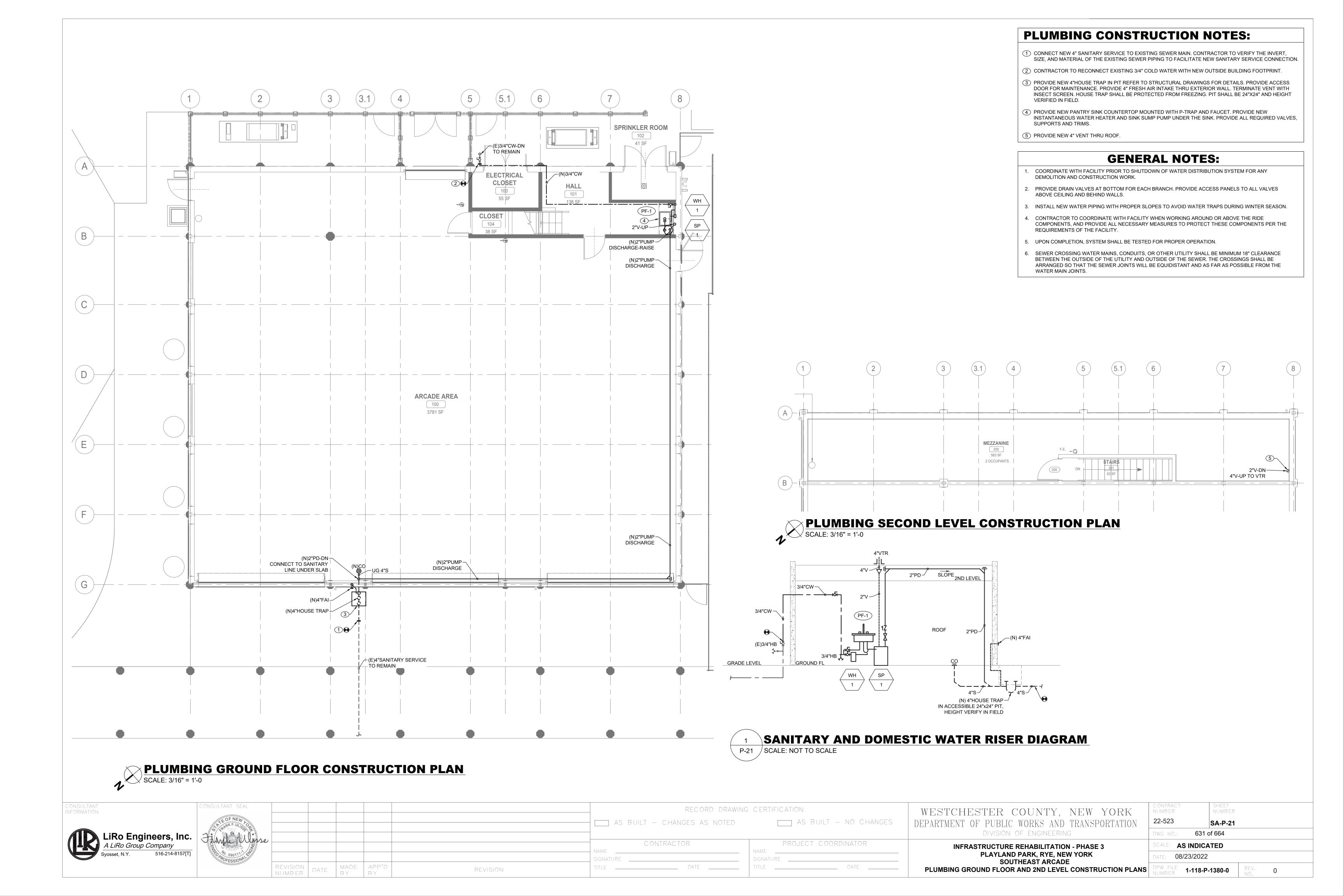
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3**

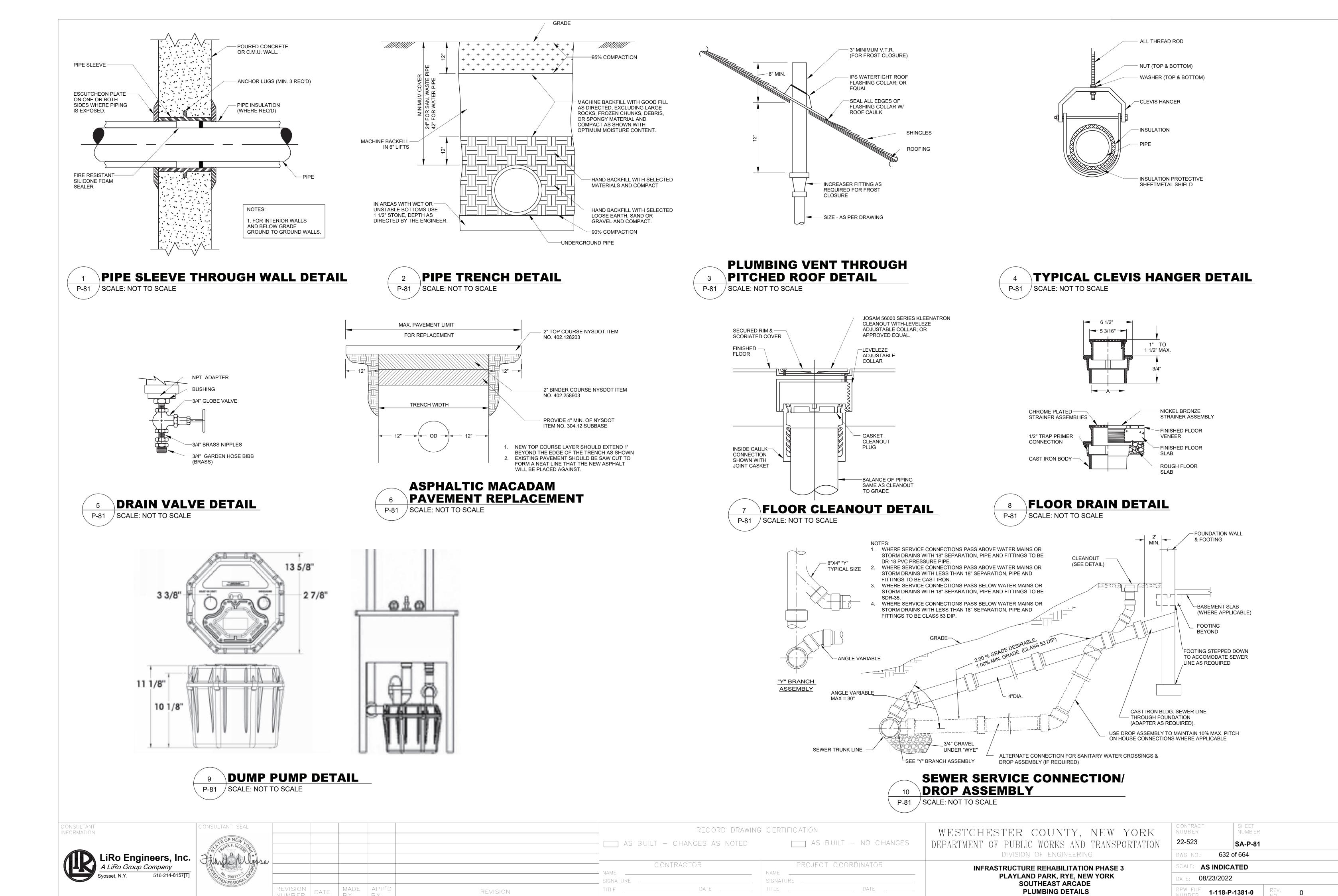
PLAYLAND PARK, RYE, NEW YORK

SOUTHEAST ARCADE

22-523 SA-P-01 629 of 664 **AS INDICATED** 08/23/2022 PLUMBING NOTES, SYMBOLS, ABBREVIATIONS AND DRAWING LIST 1-118-P-1378-0







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.
- 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
- 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. CONTRACTOR 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 CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE 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 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, THE CONTRACTOR 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 CONTRACTOR MUST PROVIDE ALL CONTROL WIRING CONDUIT. IN AREAS OF DROPPED CEILING PLENUM RATED CONTROL WIRING CAN BE RUN EXPOSED ABOVE CEILING.
- 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.

CONTRACT OR OTHER CONTRACT WORK.

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

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.

NYSECC ENERGY COMPLIANCE STATEMENT:

PER SECTION C101.7 OF THE 2020 NYSECC HISTORIC BUILDINGS ARE EXEMPT FROM THE REQUIREMENTS OF THE ENERGY CODE.

HVAC SYMBOL LIST

HVAC 3	I MIBOL LIST
<u>IDENTIFIER</u>	DESCRIPTION
}	NEW DUCTWORK OR PIPING
5///////5	EXISTING DUCTWORK OR PIPING TO BE REMOVED
5	EXISTING DUCTWORK OR PIPING TO REMAIN
24X12	DOUBLE-LINE AND SINGLE-LINE RECTANGULAR DUCT, FIRST NUMBER INDICATES SIDE IN VIEW IN INCHES, SECOND NUMBER INDICATES SIDE IN DEPTH IN INCHES
~~~~~	FLEXIBLE DUCTWORK
	REGULAR SUPPLY AIR DUCT

(UP AND DOWN) REGULAR RETURN AIR DUCT (UP AND DOWN)

REGULAR OUTSIDE AIR DUCT (UP AND DOWN) VOLUME DAMPER -VD --- BD BACKDRAFT DAMPER -- FD FIRE DAMPER <del>- ⊠ (</del>≥ MOTOR OPERATED DAMPER EQUIPMENT TAG EQUIPMENT NUMBER

REGULAR EXHAUST AIR DUCT

(UP AND DOWN)

/XXX - DETAIL TAG/CALL OUT TAG MECHANICAL SHEET NUMBER THERMOSTAT **EXHAUST GRILLE** 

REFER TO SUPPLEMENTAL (F#) FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)

VIF

WWM

#### **HVAC ABBREVIATIONS** DESCRIPTION DIRECT EXPANSION AIR CONDITION UNIT CFM CUBIC FEET PER MINUTE

COND CONDENSATE CU CONDENSING UNIT CUH CABINET UNIT HEATER DB DRY BULB DN DOWN EXHAUST AIR EΑ EXHAUST FAN EF EG **EXHAUST GRILLE ELECTRIC UNIT HEATER ENERGY EFFICIENCY RATIO** EXHAUST GRILLE FIRE DAMPER FAI FRESH AIR INTAKE GC **GENERAL CONTRACTOR** MBH THOUSAND BTU PER HOUR PLUMBING CONTRACTOR RG RETURN GRILLE **ROOFTOP UNIT** SUPPLY AIR SD SUPPLY DIFFUSER TYP. TYPICAL

VERIFY IN FIELD

WELDED WIRE MESH

#### **SCOPE OF WORK**

#### DEMOLITION 1. REMOVE EXISTING PNEUMATIC CONTROLS EQUIPMENT, WIRING AND

ACCESSORIES REMOVE TWO (2) EXISTING WINDOW AC UNITS AS INDICATED.

REMOVE THREE (3) EXISTING WALL MOUNTED PROPELLER FANS AS INDICATED.

REMOVE TWO (2) EXISTING LOUVERS AS INDICATED. REMOVE ONE (1) EXISTING UNIT HEATER AND ASSOCIATED SUPPORTS, WIRING AND ACCESSORIES.

#### CONSTRUCTION

PROVIDE ONE (1) NEW PACKAGED TERMINAL AIR CONDITIONER UNIT AS

PROVIDE TWO (2) NEW EXHAUST FANS IN ARCADE AREA AS INDICATED. PROVIDE SIX (6) NEW RAIN RESISTANT LOUVERS IN ARCADE AREA AS

PROVIDE ONE (1) NEW STORAGE EXHAUST FAN AS INDICATED. 5. PROVIDE ONE (1) NEW WALL MOUNTED ELECTRIC UNIT HEATER AS

#### **MECHANICAL DRAWING LIST** SHEET **REVISON REVISION** NO. DATE NO. SA-M-01 | MECHANICAL NOTES, SYMBOLS & LEGENDS SA-M-11 | MECHANICAL 1ST FLOOR DEMOLITION PLAN SA-M-12 MECHANICAL 2ND FLOOR DEMOLITION PLAN SA-M-21 | MECHANICAL 1ST FLOOR CONSTRUCTION PLAN SA-M-22 | MECHANICAL 2ND FLOOR CONSTRUCTION PLAN MS-M-23 | MECHANICAL EXTERIOR BUILDING ELEVATIONS SA-M-61 | MECHANICAL SCHEDULES SA-M-81 MECHANICAL DETAILS SA-M-91 | MECHANICAL CONTROLS

SPACE DET	AILS		MECH CODE F	REQUIREME	NTS	DESIGN				
ROOM	AREA (FT²)	# PEOPLE	OA / SQ FT	OA PER PERSON	NET OA	MIN DESIGN OA FLOW (CFM)	ACTUAL SA FLOW (CFM)	ACTUAL RA FLOW (CFM)	ACTUAL EA FLOW (CFM)	NOTE
101 STAFF ROOM	178	1	0.06	5.0	15	75	335	260	9	1
202 STORAGE	646	1	0.06	5.0	45	_	_	2	80	1

SPACE	DETAILS			DESIGN			
ROOM	AREA (SF)	4% FLOOR AREA (SF)	WINDOW FREE AREA (SF)	DOOR AREA (SF)	TOTAL OPENABLE AREA (SF)	NOTES	
100 ARCADE AREA	3783	151	<u>-</u>	596	596	1,2	
NOTES:				\$ 72 10			
1. NEW YORK STATE MECHA	NICAL CODE.						
2. NATURAL VENTILATION OF	AN OCCUPIED	SPACE SHALL	BE THROUGH WIN	DOWS, DOO	RS, LOUVERS,		
AND OTHER OPENINGS TO	THE OUTDOOR	S. THE MINIMU	IM OPENABLE ARE	A TO THE O	JTDOORS		
SHALL BE 4 PERCENT OF	THE FLOOR ARE	A BEING VEN	TILATED.				

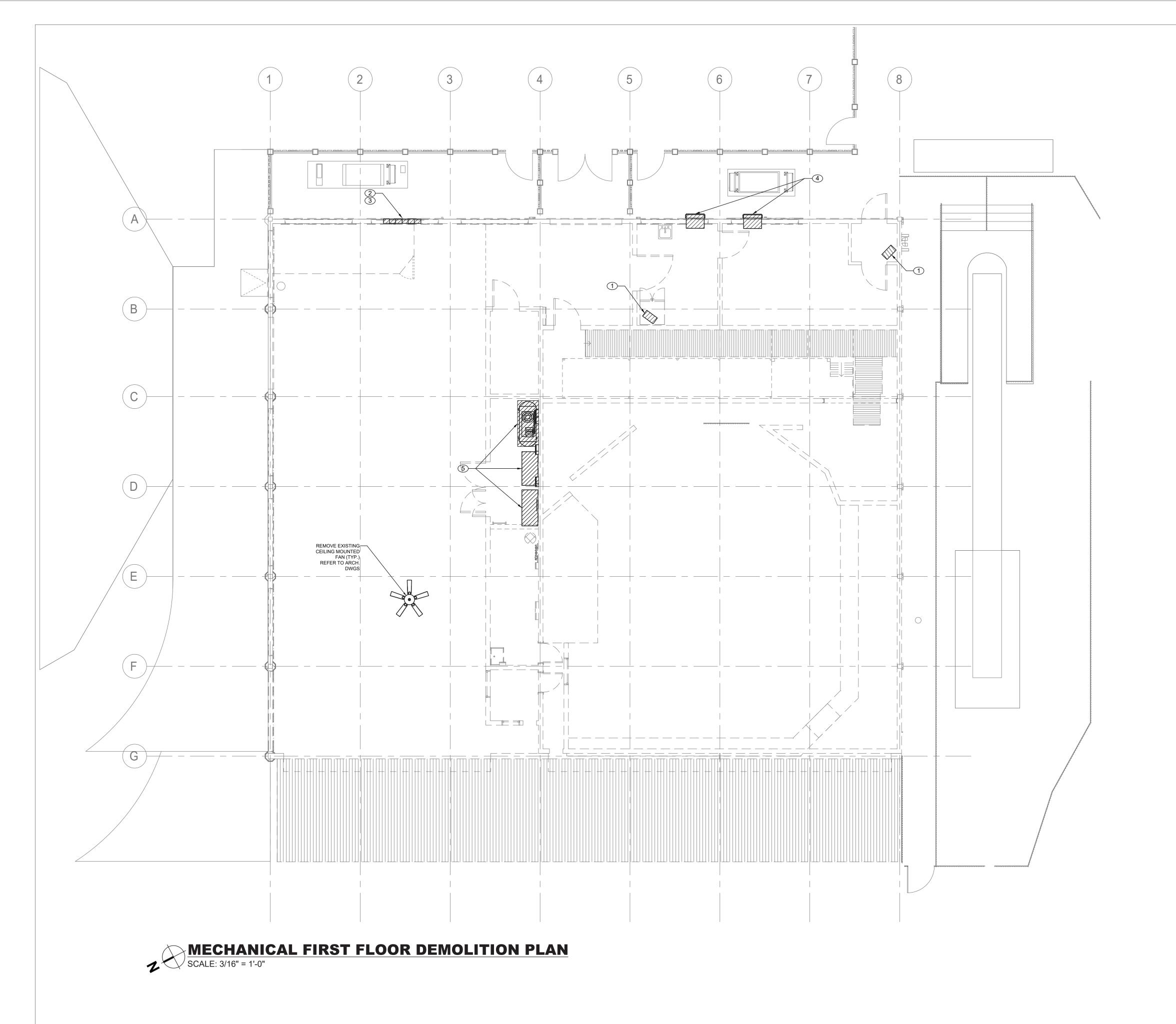
NATURAL VENTILATION SCHEDULE

### TABLE 4. ENERGY CORE ANALYSIS TABLE FOR MECHANICAL SYSTEMS

			(PER 2020 NYS I	ENERGY CODE)			50
	ITEM DESCRIPTION	L	PROPOSED VALUE	MINIMUM EFFECIENCY	CODE PRECRIBED VALUE AND CITATION	CITATION	SUPPORTING DOCUMENTATION
	UNIT TAG	EQUIPMENT TYPE	PROPOSED VALUE	MINIMOM EFFECIENCY	CODE PRECRIBED VALUE AND CITATION	CHATION	SUPPORTING DOCUMENTATION
HVAC EQUIPMENT PERFORMANCE	PIAC-1 PACAKAGE LERMINAL LINIT		EER = 12.0 EER = 1		MINIMUM EFFICIENCY REQUIREMENTS: ELECTRICALLY OPERATED UNITARY AIR CONDITIONERS AND CONDENSING UNITS THROUGH THE WALL < 30,000 Btu/hb	C403.2.3(1)	MECHANICAL SCHEDULES
HVAC SYSTEM CONTROLS	ALL HEATING COOLING EQUIPMENT	THERMOSTATIC CONTROLS	DIGITAL THERMOSTATS	-	THERMOSTATIC CONTROLS FOR HVAC SYSTEM	C403.2.6	MECHANICAL SCHEDULES AND PLANS
	SHUTOFF DAMPERS	5	GRAVITY/BACKDRAFT DAMPERS PROVIDED IN LIEU OF MOTORIZED DAMPER MOTORIZED DAMPERS PER EXCEPTIONS 1 AND 3	£	BACDRAFT DAMPER INSTALLED AT EXHAUST OPENINGS	C403.7.7	MECHANICAL SCHEDULES AND PLANS
	DUCT LEAKAGE		SMACNA HVAC DUCT LEAKAGE TEST		SMACNA HVAC DUCT LEAKAGE TEST	PER C403	MECHANICAL DWGS. & SPECS

#### TABLE 2: ENERGY CODE COMPLIANCE INSPECTIONS FOR MECHANICAL SYSTEMS (IIB - MECHANICAL AND SERVICE WATER HEATING INSPECTIONS) **ECC CITATION** INSPECTION TEST FREQUENCY REFERENCE STANDARDS INSPECTION DESCRIPTION DAMPERS FOR STAIR AND ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AND EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE VISUALLY INSPECTED TO VERIFY THAT SUCH DAMPERS, EXCEPT WHERE PERMITTED TO BE GRAVITY NYSECC C403.2.4.4, OR AS REQUIRED DURING INSTALLATION SHUT-OFF DAMPERS APPROVED CONSTRUCTION DOCUMENTS DAMPERS, COMPLY WITH APPROVED CONSTRUCTION DRAWINGS. ASHRAE 90.1-6.4.3.4 MANUFACTURER'S LITERATURE SHALL BE REVIEWED TO VERIFY THAT THE PRODUCT HAS BEEN TESTED AND FOUND TO MEET THE EQUIPMENT SIZING, EFFICIENCIES AND OTHER PERFORMANCE FACTORS OF ALL MAJOR EQUIPMENT UNITS, AS DETERMINED BY HVAC AND SERVICE WATER HEATING PRIOR TO FINAL MECHANICAL AND CONSTRUCTION THE APPLICANT OF RECORD, AND NO LESS THAN 15% OF MINOR NYSECC C403.2, C404.2, APPROVED CONSTRUCTION DOCUMENTS **EQUIPMENT** INSPECTION EQUIPMENT UNITS, SHALL BE VERIFIED BY VISUAL INSPECTION AND, C404.7, C406.2 WHERE NECESSARY, REVIEW OF MANUFACTURER'S DATA. POOL HEATERS AND COVERS SHALL BE VERIFIED BY VISUAL INSPECTION AFTER INSTALLATION AND PRIOR TO FINAL ELECTRICAL AND CONSTRUCTION INSPECTION, NO LESS THAN 20% OF EACH TYPE OF REQUIRED CONTROLS AND NYSECC C403.2.4, EXCEPT THAT FOR CONTROLS WITH SEASONALLY ECONOMIZERS SHALL BE VERIFIED BY VISUAL INSPECTION AND HVAC AND SERVICE WATER HEATING APPROVED CONSTRUCTION DOCUMENTS C403.2.5.1, C403.2.11, DEPENDENT FUNCTIONALITY, SUCH TESTING TESTED FOR FUNCTIONALITY AND PROPER OPERATION. SUCH C403.3, C403.4, C404.3, SYSTEM CONTROLS INCLUDING CONTROL SYSTEM NARRATIVES SHALL BE PERFORMED BEFORE SIGN-OFF FOR CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO, C404.6, C404.7 ISSUANCE OF A FINAL CERTIFICATE OF THERMOSTATIC AND ECONOMIZER CONTROLS OCCUPANCY

C ONSULTANT INFORMATION	CONSULTANT SEAL			REC	CORD DRAWING CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	CONTRACT SHEET NUMBER
	TE OF NEW LORD			AS BUILT — CHANGES	AS NOTED AS BUILT - NO CHANGES		22-523 <b>SA-M-01</b>
LiRo Engineers, Inc						DIVISION OF ENGINEERING	DWG NO.: 633 of 664
LiRo Engineers, Inc.  A LiRo Group Company	The state of the s			CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 3	SCALE: AS INDICATED
Syosset, N.Y. 516-214-8157[7	T] OB AND 199011 THE PROPERSIONAL TELESTICAL PROPERSIONAL TELESTICAL PROPERTY OF THE PROPERTY			SIGNATURE	NAME SIGNATURE	PLAYLAND PARK, RYE, NEW YORK	DATE: <b>08/23/2022</b>
	2001	REVISION DATE MADE APP'D BY	REVISION	TITLE DATE	FE DATE	SOUTHEAST ARCADE MECHANICAL NOTES, SYMBOLS & LEGENDS	DPW FILE <b>1-118-M-1382-0</b> REV. 0



REVISION

REVISION DATE MADE APP'D BY

RECORD DRAWING CERTIFICATION

PROJECT COORDINATOR

AS BUILT — CHANGES AS NOTED

CONTRACTOR

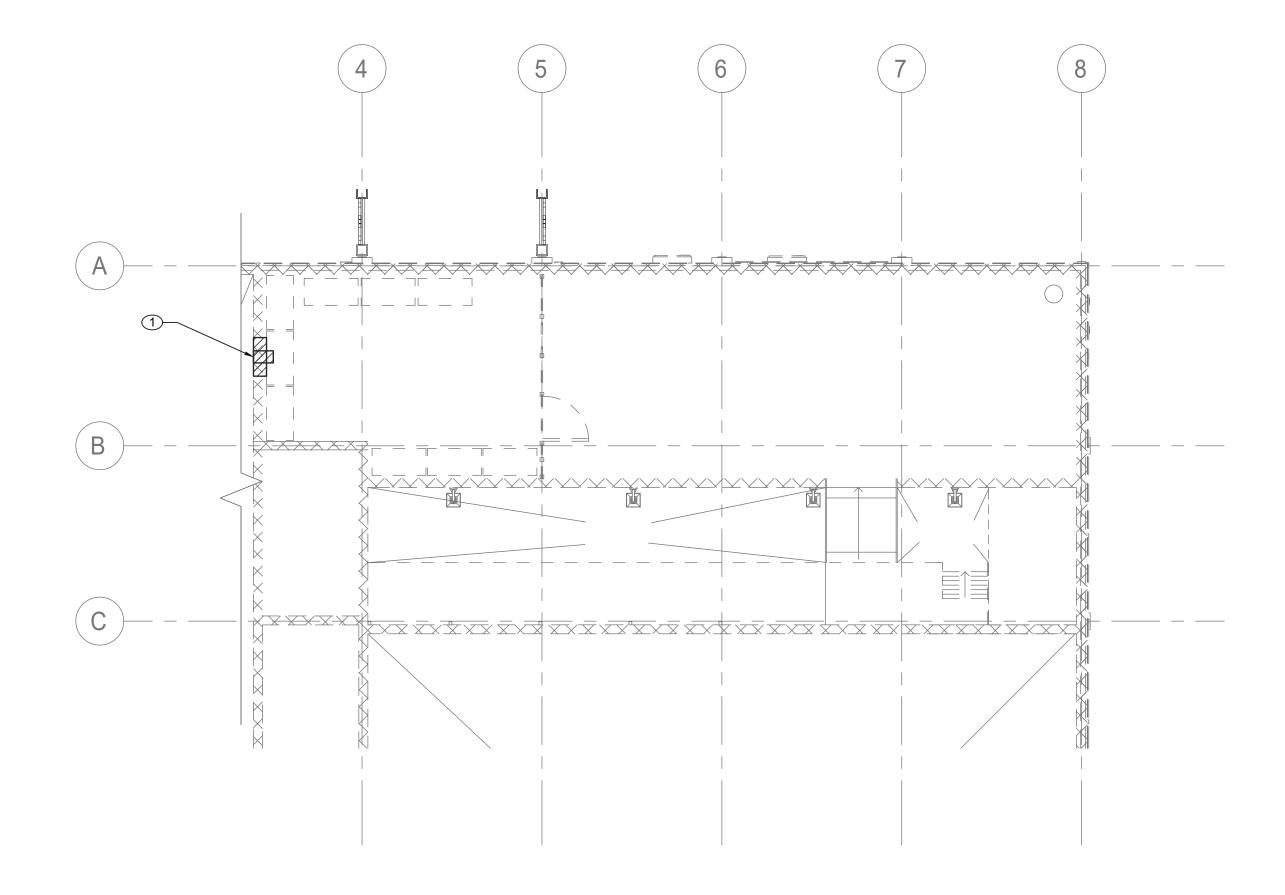
#### **GENERAL NOTES:**

- 1. RETURN REMOVED EXISTING EQUIPMENT TO OWNER IF IT IS IN WORKING CONDITION.
- 2. 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.

#### **MECHANICAL DEMOLITION NOTES:**

- 1 DEMOLISH EXISTING ELECTRIC UNIT HEATERS AND ASSOCIATED SUPPORTS, WIRING AND ACCESSORIES. COORDINATE REMOVAL OF ELECTRICAL POWER AND WIRING WITH ELECTRICAL CONTRACTOR.
- 2 DEMOLISH EXISTING WALL MOUNTED PROPELLER FAN. COORDINATE WITH GC TO SEAL EXISTING WALL PENETRATION. COORDINATE REMOVAL OF ELECTRICAL POWER AND WIRING WITH ELECTRICAL
- 3 DEMOLISH EXISTING LOUVER. COORDINATE WITH GC TO SEAL EXISTING WALL PENETRATION.
- 4 REMOVE EXISTING WINDOW AC UNIT. IF NO LONGER IN WORKING CONDITION, DISPOSAL SHALL BE IN ACCORDANCE WITH EPA REQUIREMENTS.
- 5 DEMOLISH EXISTING PNEUMATIC CONTROLS EQUIPMENT, WIRING AND ACCESSORIES AND PNEUMATIC DISTRIBUTION PIPING. COORDINATE REMOVAL OF ELECTRICAL POWER AND WIRING WITH ELECTRICAL

ATURE SOUTHEAST ARCADE	ORK DATE: 08/2	3/2022
PROJECT COORDINATOR INFRASTRUCTURE REHABILITATION - F		NDICATED
DIVISION OF ENGINEERING	DWG NO.:	634 of 664
AS BUILT - NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TR	00.500	SA-M-11
WESTCHESTER COUNTY, N	EW YORK CONTRACT	SHEET NUMBER



# MECHANICAL SECOND FLOOR DEMOLITION PLAN SCALE: 3/16" = 1'-0"

CONSULTANT INFORMATION			CC
R	LiRo Eng	gineers, Inc.	()
	Syosset, N.Y.	516-214-8157[T]	

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RECORD DRAWING CERTIFICATION

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CONTRACTOR

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SIGNATURE

RECORD DRAWING CERTIFICATION

AS BUILT — NO CHANGES

PROJECT COORDINATOR

NAME

SIGNATURE

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

INFRASTRUCTURE REHABILITATION - PHASE 3
PLAYLAND PARK, RYE, NEW YORK

SOUTHEAST ARCADE

MECHANICAL SECOND FLOOR DEMOLITION PLAN

CONTRACT NUMBER

22-523 SA-M-12

DWG NO.: 635 of 664

SCALE: AS INDICATED

DATE: 08/23/2022

DPW FILE NUMBER 1-118-M-1384-0 REV. NO. 0

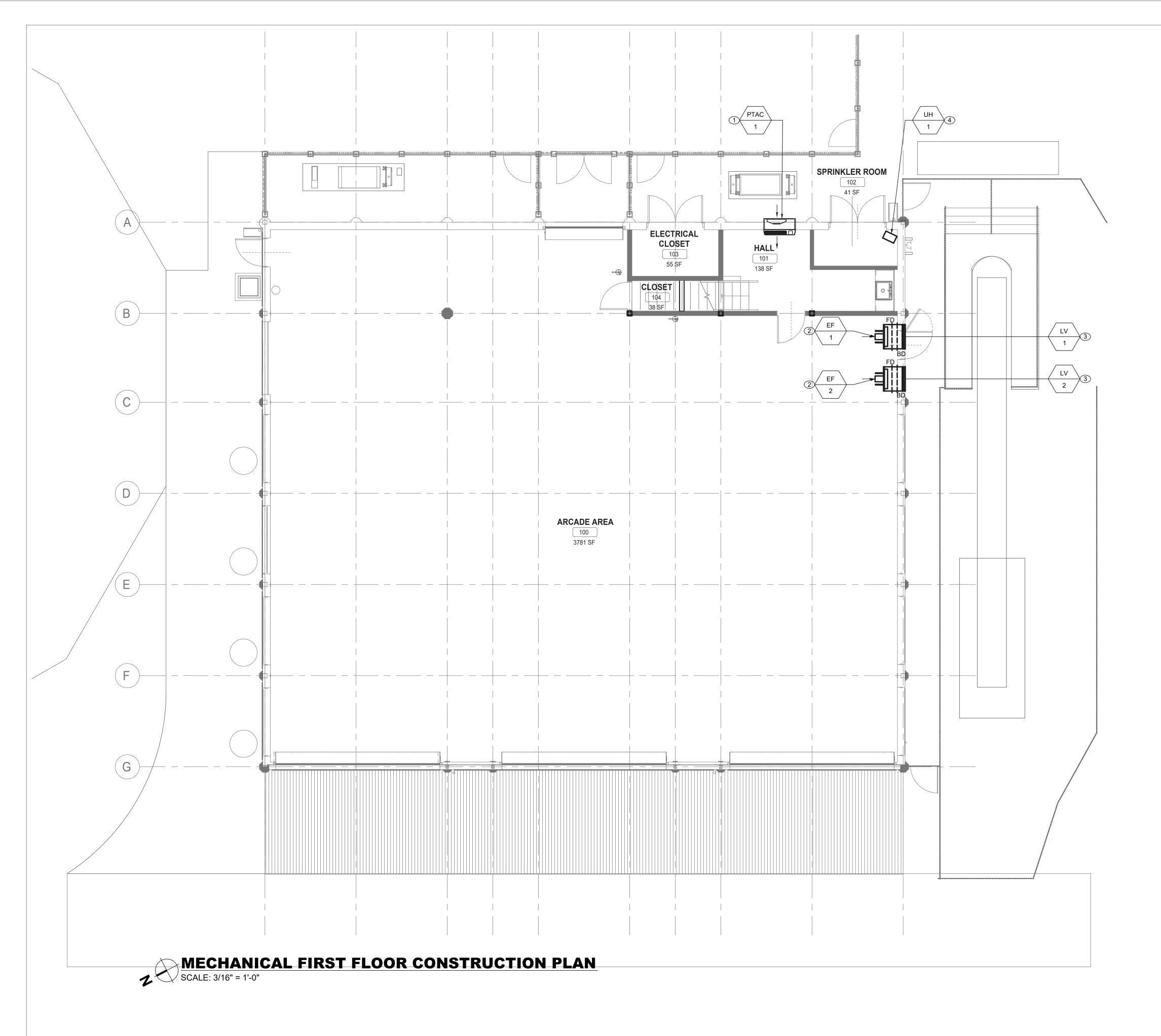
#### **GENERAL NOTES:**

1. RETURN REMOVED EXISTING EQUIPMENT TO OWNER IF IT IS IN WORKING CONDITION.

2. 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.

#### **MECHANICAL DEMOLITION NOTES:**

① DEMOLISH EXISTING WALL MOUNTED PROPELLER FAN. COORDINATE REMOVAL OF ELECTRICAL POWER AND WIRING WITH ELECTRICAL CONTRACTOR.



# CONSULTANT NFORMATION LIRO Engineers, Inc. A LIRO Group Company Syosset, N.Y. 516-214-8157[T] RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES CONTRACTOR NAME SIGNATURE SIGNATURE TITLE DATE NUMBER REVISION REVISION

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

MECHANICAL FIRST FLOOR CONSTRUCTION PLAN

INFRASTRUCTURE REHABILITATION - PHASE 3
PLAYLAND PARK, RYE, NEW YORK
SOUTHEAST ARCADE

CONTRACT NUMBER

22-523 SA-M-21

DWG NO.: 636 of 664

SCALE: AS INDICATED

DATE: 08/23/2022

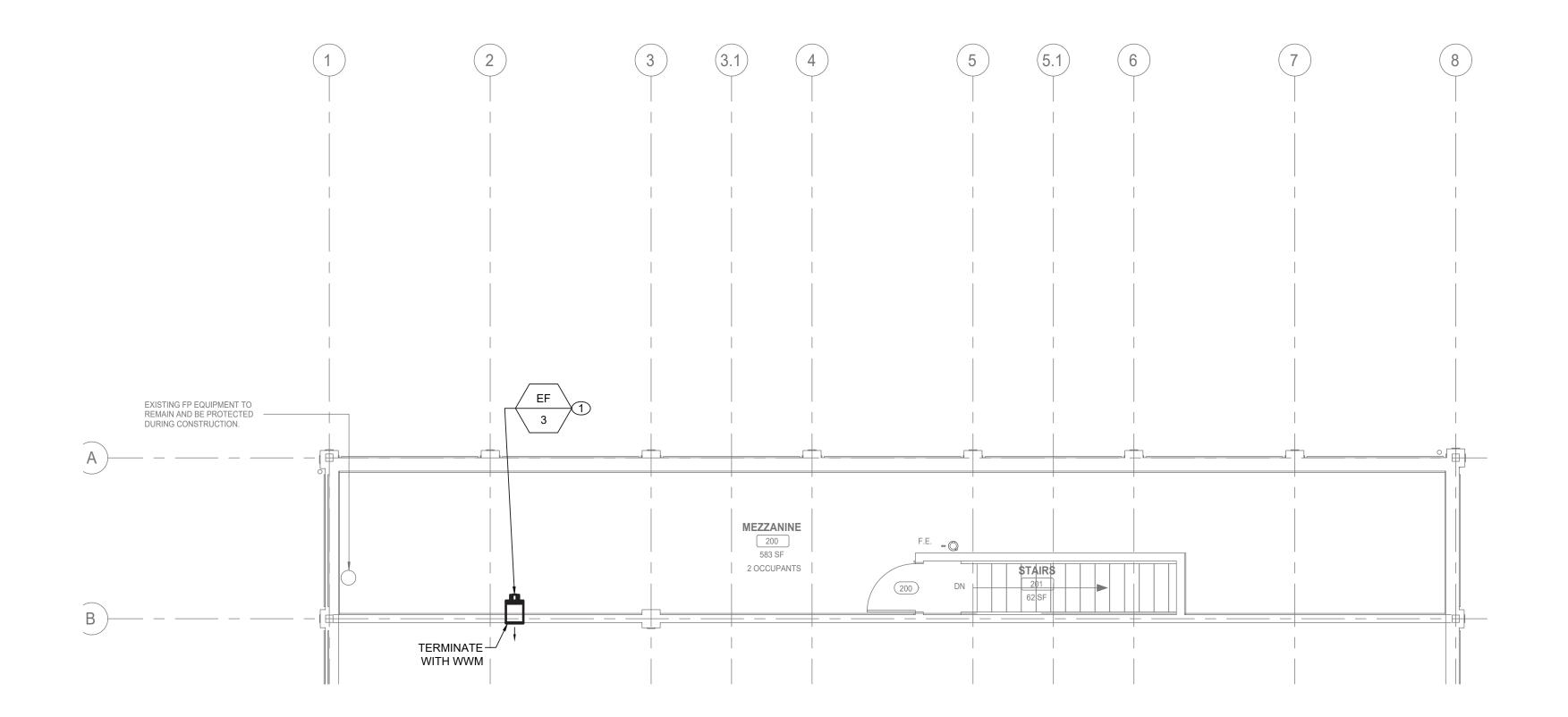
DPW FILE NUMBER 1-118-M-1385-0 REV. NO. 0

## GENERAL NOTES:

- 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.
- 2. UPON COMPLETION, SYSTEM SHALL BE TESTED FOR PROPER OPERATION.

#### **MECHANICAL CONSTRUCTION NOTES:**

- 1 PROVIDE NEW PACKAGED TERMINAL AIR CONDITIONER UNIT. COORDINATE ELECTRICAL POWER AND WIRING WITH ELECTRICAL CONTRACTOR.
- PROVIDE NEW EXHAUST FAN AS SCHEDULED. INSTALL EF-1 AND EF-2 AT 11'0" AFF TO CENTER. COORDINATE ELECTRICAL POWER AND WIRING WITH ELECTRICAL CONTRACTOR.
- ③ PROVIDE NEW RAIN RESISTANT LOUVER AS SCHEDULED. ALIGN CENTER OF LOUVER WITH CENTER OF EXHAUST FAN. REFER TO DETAIL ON SA-M-81.
- 4 PROVIDE NEW ELECTRIC WALL MOUNTED UNIT HEATER. COORDINATE INSTALL HEIGHT IN FIELD.



# MECHANICAL SECOND FLOOR CONSTRUCTION PLAN SCALE: 3/16" = 1'-0"

CONSULTANT		Jineers, Inc. o Company 516-214-8157[T]	CON
	Syosset, N.Y.	516-214-815/[1]	

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#### WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATI DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 3

PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE MECHANICAL SECOND FLOOR CONSTRUCTION PLAN

**GENERAL NOTES:** 

REQUIREMENTS OF THE FACILITY.

ELECTRICAL CONTRACTOR.

1. CONTRACTOR TO COORDINATE WITH FACILITY WHEN WORKING AROUND OR ABOVE THE RIDE

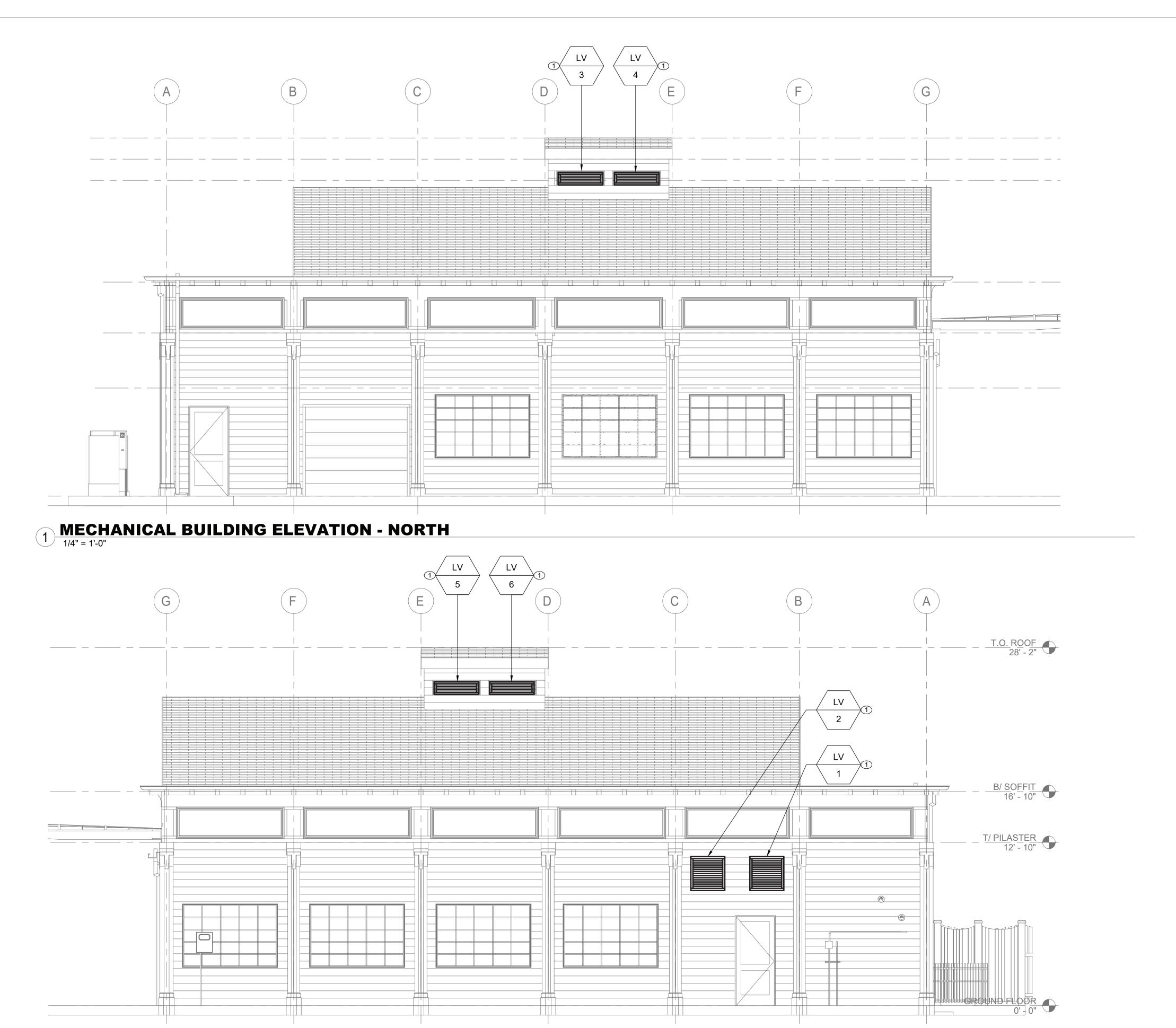
**MECHANICAL CONSTRUCTION NOTES:** 

1) PROVIDE NEW EXHAUST FAN AS SCHEDULED. COORDINATE ELECTRICAL POWER AND WIRING WITH

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

COMPONENTS, AND PROVIDE ALL NECESSARY MEASURES TO PROTECT THESE COMPONENTS PER THE

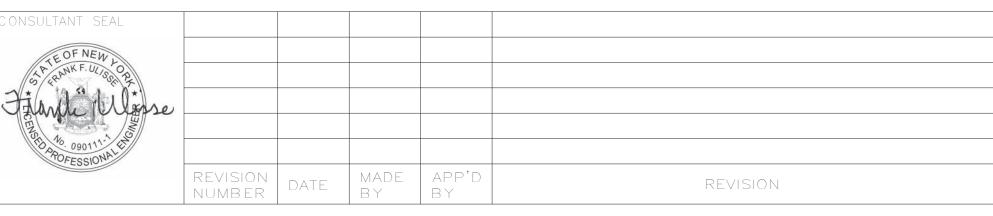
ίK	CONTRACT NUMBER	SHEET NUMBER			
'ION	22-523	SA-M-22			
	DWG NO.: 637 c	of 664			
	SCALE: AS INDICA	TED			
	DATE: <b>08/23/2022</b>				
	DPW FILE 1-118-M-	1386-0	REV. NO.	0	



2 MECHANICAL BUILDING ELEVATION - SOUTH

1/4" = 1'-0"





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1	CONTRACTOR	PROJECT COORDINATOR
+	NAME NAME	
	SIGNATURE SIGNATURE	ure

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

INFRASTRUCTURE REHABILITATION - PHASE 3
PLAYLAND PARK, RYE, NEW YORK
SOUTHEAST ARCADE
MECHANICAL EXTERIOR BUILDING ELEVATIONS

CONTRACT
NUMBER
22-523
SA-M-23

DWG NO.: 638 of 664

SCALE: AS INDICATED
DATE: 08/23/2022

DPW FILE
NUMBER
1-118-M-1387-0
REV
NO.

#### **GENERAL NOTES:**

- 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.
- 2. UPON COMPLETION, SYSTEM SHALL BE TESTED FOR PROPER OPERATION.

#### **MECHANICAL CONSTRUCTION NOTES:**

1) PROVIDE NEW RAIN RESISTANT LOUVER AS SCHEDULED. REFER TO DETAIL ON SA-M-81.

			PACE	CAGE TER	MINAL AII	R CONDIT	ONE	R UN	IT SC	HEDUI	Æ					
TAG	MANUFACTURER	MODEL	TYPE	CONFIGURATION	SERVICE	LOCATION (FLOOR)	SUPPLY	VENT	ESP	COOLING	COIL	HEATING COIL		ELECTRICAL	L	NOTES
IAG	MANOPACTORER	MODEL	TIPE	CONFIGURATION	SERVICE	LOCATION (FLOOR)	(CFM)	(CFM)	(IN. WG.)	TOTAL LOAD (BTU/HR)	EAT DB/WB	ELEC. HEAT (Kw)	MOTOR FLA	NOMINAL HP	V.PH.HZ	NOTES
PTAC-1	FRIEDRICH	PZE07K3SB	THRU-WALL	DX/ELEC	101 STAFF ROOM	1ST FL	335	75	-	6800	78/61	3.6	2.7	0.07	208.1.60	1,2

1. PROVIDE FACTORY INTEGRATED CONTROLLER WITH EACH UNIT.

PROVIDE WALL SLEEVE BY MANUFACTURER.

					FAN SC	HED	JLE								
TAG	MANUFACTURER	MODEL	LOCATION	SERVICE	TYPE	DRIVE	AIR FLOW (CFM)			ELECT	TRICAL		OPERATING WEIGHT	DIMENSIONS DxH	NOTES
IAG	MANOFACTORER	MODEL	EGGATION	SERVICE	1112	(IN. WG)	HP	ВНР	RPM	V-PH-HZ	(±LBS)	(IN)	NOTES		
EF-1	GREENHECK	AER-E24C-315-VG	100 ARCADE AREA	100 ARCADE AREA	AXIAL	DIRECT	3500	0.21	0.50	0.25	1127	115-1-60	68	32X32	1-5
EF-2	GREENHECK	AER-E24C-315-VG	100 ARCADE AREA	100 ARCADE AREA	AXIAL	DIRECT	3500	0.21	0.50	0.25	1127	115-1-60	68	32X32	1-5
EF-3	GREENHECK	SE1-8-440-VG	202 STORAGE	202 STORAGE	AXIAL	DIRECT	80	0.08	0.06	0.01	839	115-1-60	16	13X13	1-5

NOTES:

1. PROVIDE ALL CONTACTS, RELAYS, AND DEVICES NECESSARY FOR BMS CONTROL OF FANS PER SEQUENCE OF OPERATIONS.

2. PROVIDE WALL MOUNT SWITCH FOR EF-1, EF-2 AND EF-3, REFER TO CONTROLS.

3. PROVIDE THERMAL OVERLOAD FOR ALL SINGLE PHASE MOTORS.

4. PROVIDE SALT WATER RESISTANT HI-PRO POLYESTER COATING FOR ALL FANS.

5. FAN SHALL BE FURNISHED WITH NON FUSED DISCONNECT.

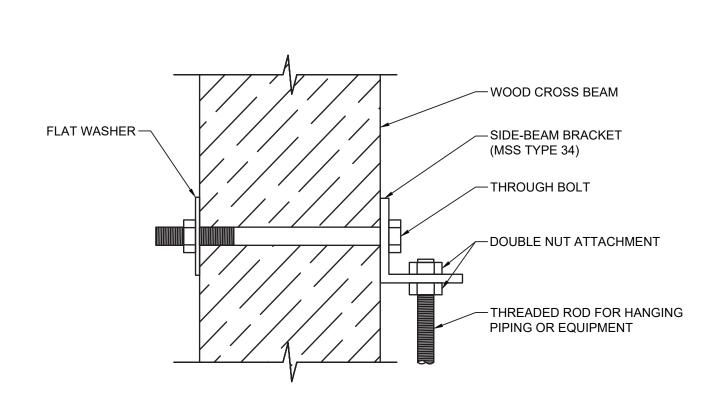
		ELEC	CTRIC UNIT HE	EATER SCHE	DULE					
TAG	MANUFACTURER	MODEL	SERVICE	TYPE	кw	AMPS	V-PH-HZ	NOTES		
UH-1	TRANE	UHEC-031A0C0	102 SPRINKLER ROOM	WALL HUNG	3.3	15.9	208-1-60	1,2		
NOTES:					•					
1. PROVIDE UNIT	PROVIDE UNIT MOUNTED THERMOSTATS.									

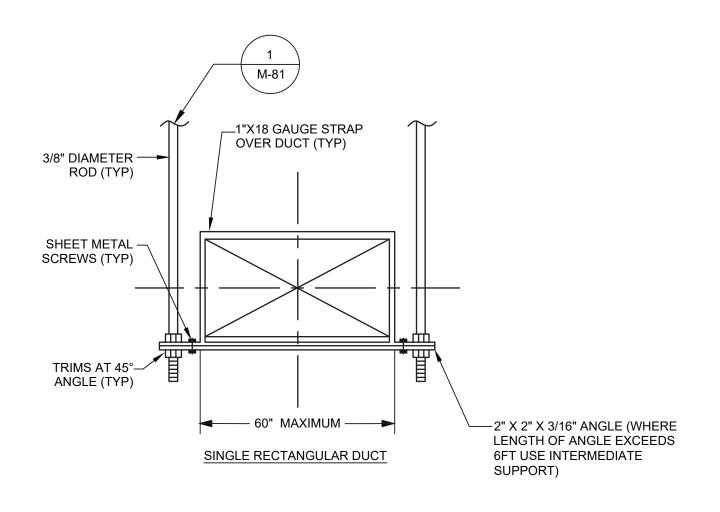
2. PROVIDE WALL MOUNTING BRACKET.

	LOUVER SCHEDULE											
TAG	MANUFACTURER	MODEL	SERVICE	LOCATION	MATERIAL	FINISH TYPE	WIDTH (INCH)	HEIGHT (INCH)	FREE AIR VELOCITY (FPM)	PRESSURE	MINIMUM FREE AREA (SQUARE FEET)	NOTES
LV-1	GREENHECK	ESD-635	EXHAUST	100 ARCADE AREA	ALUMINUM	BAKED ENAMEL	32	32	954	0.13	3.67	1
LV-2	GREENHECK	ESD-635	EXHAUST	100 ARCADE AREA	ALUMINUM	BAKED ENAMEL	32	32	954	0.13	3.67	1
LV-3	GREENHECK	ESD-435	EXHAUST	ROOF MONITOR	ALUMINUM	BAKED ENAMEL	42	12	:==:	-	1.26	2
LV-4	GREENHECK	ESD-435	EXHAUST	ROOF MONITOR	ALUMINUM	BAKED ENAMEL	42	12	8 <b>2</b> 8	12	1.26	2
LV-5	GREENHECK	ESD-435	EXHAUST	ROOF MONITOR	ALUMINUM	BAKED ENAMEL	42	12	(=)	-	1.26	2
LV-6	GREENHECK	ESD-435	EXHAUST	ROOF MONITOR	ALUMINUM	BAKED ENAMEL	42	12	3 <del>=</del> 1	u=1	1.26	2
NOTES:												

PROVIDE WITH ALUMINUM BIRD SCREEN AND BACKDRAFT DAMPERS.
 PROVIDE WITH ALUMINUM BIRD SCREEN ONLY.

		REVISION DATE MADE APP'D	REVISION	TITLE DATE	TITLE DATE	MECHANICAL SCHEDULES	DPW FILE 1-118-M-1388-0 REV. 0
Syosset, N.Y. 516-214-8157[T]	POFESSIONALE			SIGNATURE	SIGNATURE	PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE	DATE: <b>08/23/2022</b>
A LiRo Group Company	#WW. C   O O O O O O O O O O O O O O O O O O			CONTRACTOR	PROJECT COORDINATOR	INFRASTRUCTURE REHABILITATION - PHASE 3	SCALE: AS INDICATED
LiRo Engineers, Inc.  A LiRo Group Company						DIVISION OF ENGINEERING	DWG NO.: <b>639 of 664</b>
	LA CHIKF. ULSO D			AS BUILT — CHANGES AS NO	OTED AS BUILT - NO CHANGES	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	22-523 <b>SA-M-61</b>
SULTANT RMATION	CONSULTANT SEAL			RECORD [	DRAWING CERTIFICATION	WESTCHESTER COUNTY, NEW YORK	CONTRACT SHEET NUMBER

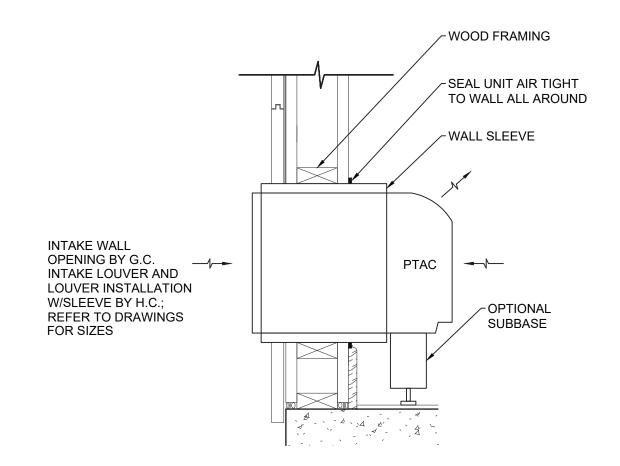


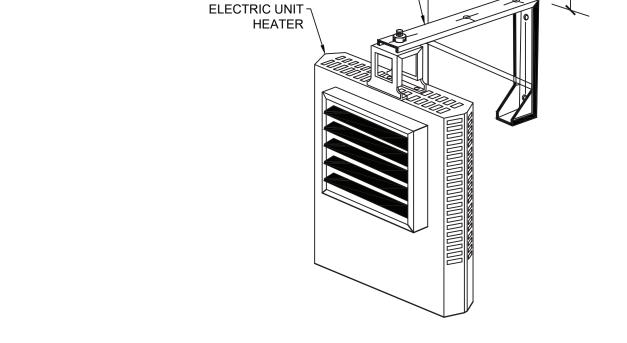


## 1 MECHANICAL ANCHORING DETAIL M-81 SCALE: NOT TO SCALE

## 2 MECHANICAL DUCT HANGER DETAIL M-81 SCALE: NOT TO SCALE

12" MIN





WALL SWIVEL 7

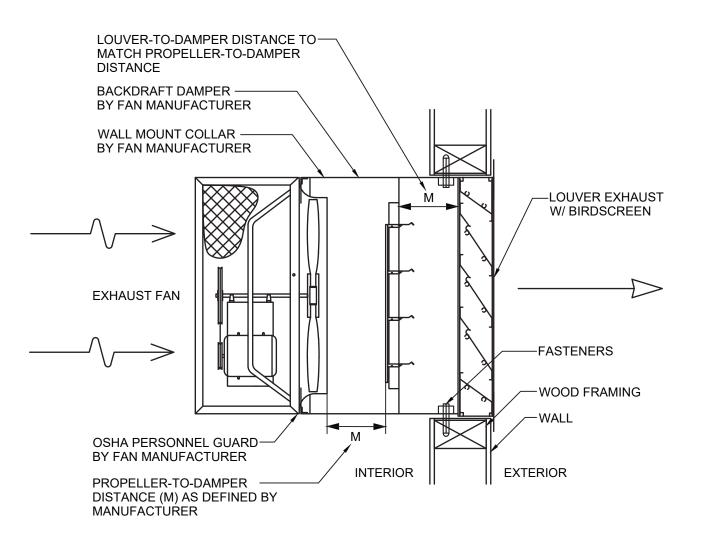
**BRACKET** 

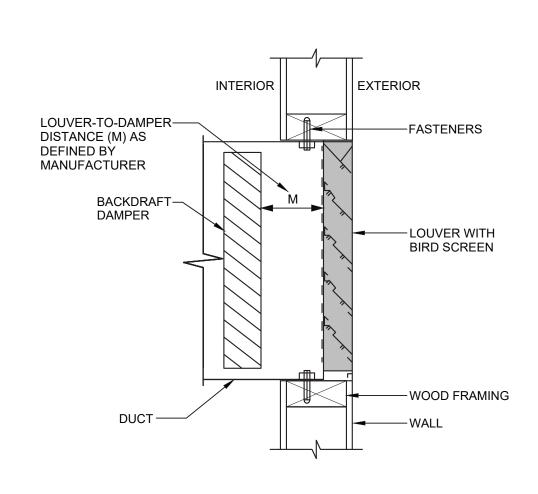
5 FLOOR MOUNTED PTAC
M-81 SCALE: NOT TO SCALE

MECHANICAL WALL MOUNTED

6 ELECTRIC UNIT HEATER DETAIL

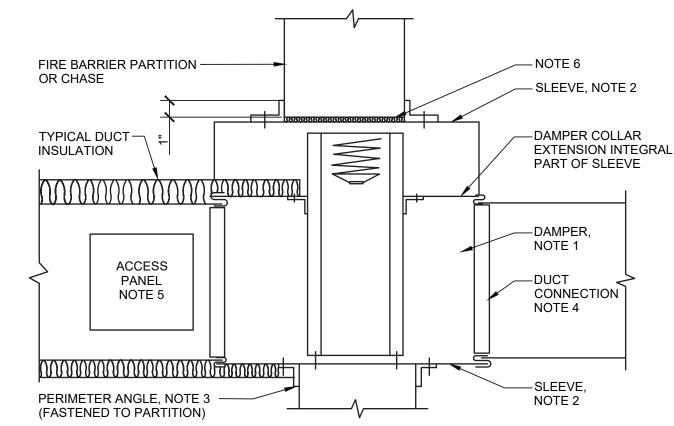
M-81 SCALE: NOT TO SCALE





3 PROPELLER FAN DETAIL
M-81 SCALE: NOT TO SCALE

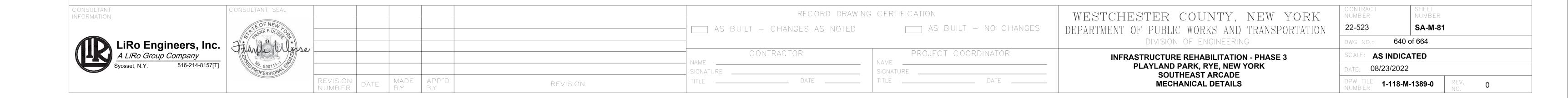
4 MECHANICAL LOUVER
M-81 SCALE: NOT TO SCALE

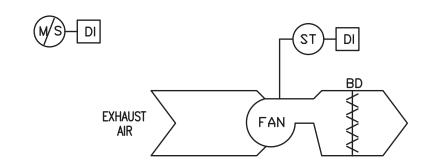


#### NOTE:

- A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION, IS SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAGES FOR SLEEVE AND PERIMETER ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE THE PENETRATION.
- 2. GALVANIZED SLEEVE: GAGE NOT LESS THAN CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
- PERIMETER ANGLES: GALVANIZED STEEL, NOT LESS THAN 1 1/2"x1 1/2", 14 GAGE, TO PROVIDE 1" MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES.
- 4. BREAKAWAY DUCT CONNECTION: CONTRACTOR'S OPTION OF TYPES SHOWN IN SMACNA.
- 5. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.
- 6. PROVIDE 1/4" TO 1/2" CLEARANCE ON HEIGHT AND WIDTH. FILL OPEN SPACE WITH ROCK WOOL FIRESTOP FIBER.
- 7. ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND MECHANICAL ROOM FLOORS, SHALL BE PROVIDED WITH 3" HIGH CONCRETE CURB AROUND OPENING FOR DUCT.
- 8. INSTALL FIRE DAMPERS I ACCORDANCE WITH UL 555.





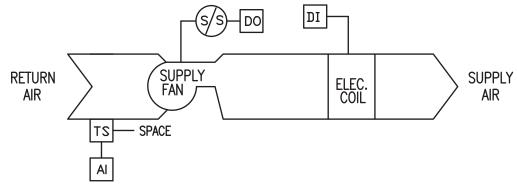


EXHAUST FAN - CONSTANT SPEED - SEQUENCE OF OPERATIONS:

GENERAL: EACH EXHAUST FAN CONSISTS OF FAN, BACKDRAFT DAMPER, AND EC MOTOR CONTROLLER

EXHAUST FAN TO BE LOCALLY CONTROLLED FROM SWITCH MOUNTED ADJACENT TO FAN.

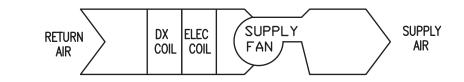
- OCCUPIED MODE:
- a. THE EXHAUST FAN SHALL RUN AT A CONSTANT VOLUME WHEN SWITCHED ON.
- 3. UNOCCUPIED MODE:
- a. THE EXHAUST FAN SHALL BE OFF WHEN SWITCHED OFF.



UNIT HEATER - ELECTRIC - SEQUENCE OF OPERATIONS:

 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.





PACKAGED TERMINAL AIR CONDITIONER - SEQUENCE OF OPERATIONS:

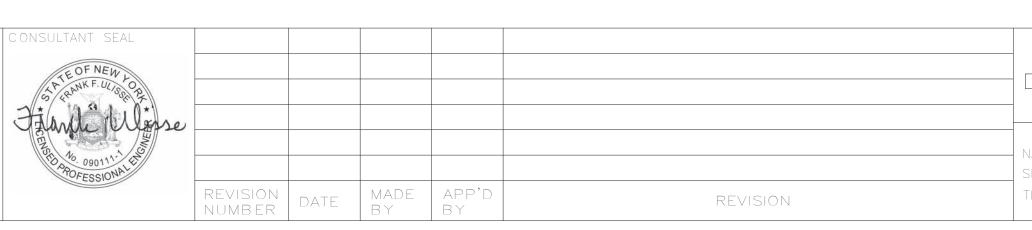
- UNITS SHALL BE CONTROLLED WITH THE UNIT PROVIDED CONTROL AND THERMOSTAT.
- 2. MONITOR ROOM TEMPERATURE BY A SPACE TEMPERATURE SENSOR.













WESTCHESTER COUNTY, NEW YORK	CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	22-523	SA-M-91
DIVISION OF ENGINEERING	DWG NO.: <b>641</b> d	of 664
INFRASTRUCTURE REHABILITATION - PHASE 3	SCALE: AS INDICA	TED
PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE	DATE: 08/23/2022	
MECHANICAL CONTROLS	DPW FILE 1-118-M	-1390-0 REV. 0

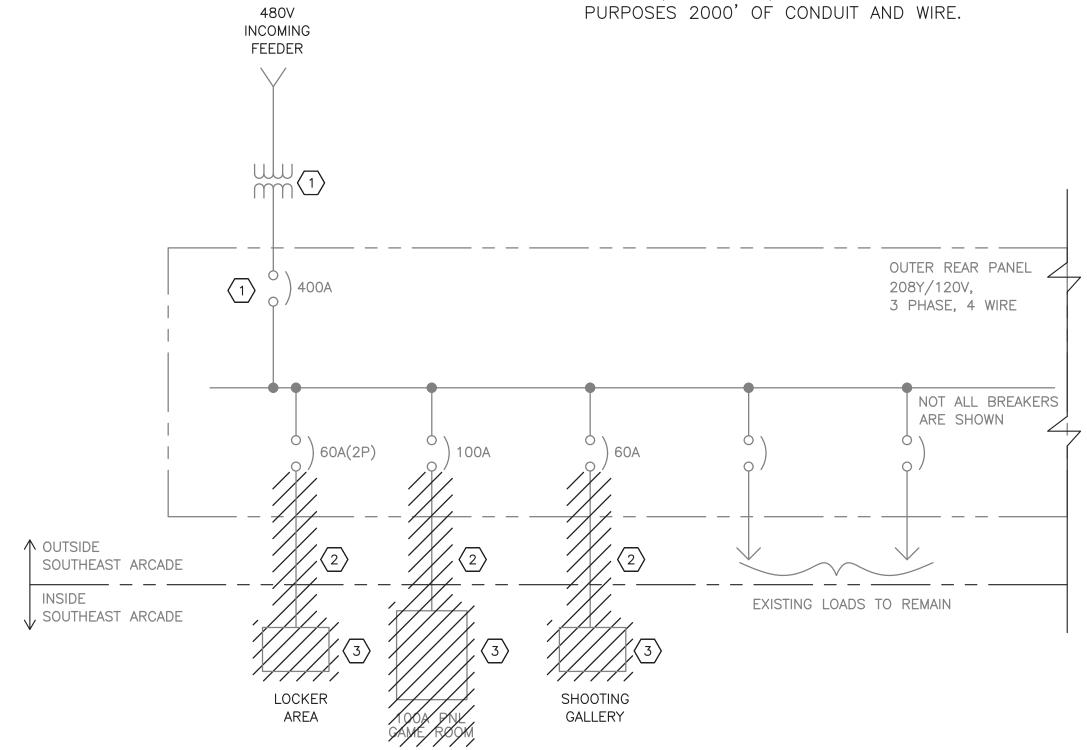
	PANELBOARD EXISTING - OUT	TDOOR PANEL				LOCATION: OUTDOOR - EAST REA	R CORNER C	OF BU
- the state of the	NEMA RATING		3	POLES	,	<b>MOUNTING:</b> SURFACE		
400	AMP BUS RATING	225 AMP MAIN BREAKER	42	KASH	ORT CIRCUIT RATING			
08Y/120	VOLTS	3 PHASE 4 WIRE				LECTRONIC GRADE:	NO	
IRCUIT NO.	DESCRIPTION	LOAD KVA PHASE PHASE PHASE A B C	BREAKER AMPS / POLES	Ë	CIRCUIT DESCRIPTION	LOAD KVA PHASE PHASE PHASE A B C	BREAKER AMPS / POLES	
1 3 5	CAROUSEL LIGHTS		20/3	jaconani	2 4 SHONNSSXXI 6		60/3	TOTAL TOTAL CONTESTION AND AN ADVANCED PROPERTY AND ADVANCED PROPERTY ADVANCED PROPERTY AND ADVANCED PROPERTY AND ADVANCED PROPERTY AND ADVANCED PROPERTY ADVANCED PROPERTY ADVANCED PROPERTY ADVANCED PROPERTY AND ADVANCED PROPERTY ADVANCED PROPERTY ADVANCED PROPERTY ADVANCED PROPERTY ADVANCED PROPERTY ADVANCED PROPERTY ADVANCED P
9	PICNIC SHELTER		100/3	Tomas views	8 SPARE		40/2	
13	SPARE		20/1	work	12 SPARE 14		20/1	· ·
15 17	SPARE SPARE		20/1 20/1	1	16 THUNDERBOLT 18		100/3	400000000000000000000000000000000000000
10			hame V 1 3.		20 SWIPE CARD POWER - SKY	SKATER / FAMILY	15/1	
21 23	ZNA KONKKY/		100/3		22 SKY SKATER 24 SKY SKATER		20/1	71-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
25	SPARE		20/1	personale	26			
27 29	XXXXXXX//		60/2	2	28 SKY SKATER 30		100/3	POPULAR AND
	TOTAL PHASE KVA THIS SIDE				TOTAL PHASE KVA THIS S	IDE 0 0 0		
					TOTAL KVA PER PHASE	0 0 0		
			Administrative from the executive for the supplication of the supp	and consolidation and the consolidation and placement and an analysis of the consolidation and the consolidati	TOTAL THREE PHASE KVA	<b>A</b> 0	The state of the s	
NOT				0001000	NOTES CONT.:			
		KERS TO REMAIN AND BE PROTECTE	ED DURING	CONSTR	UCTION.			
2. 3.	DISCONNECTED AND ROLLED I	JF // 1U.UJ. 2012 1			<i>S.</i> 6			
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#### NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. EXISTING OUTDOOR TRANSFORMER AND PANEL SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.

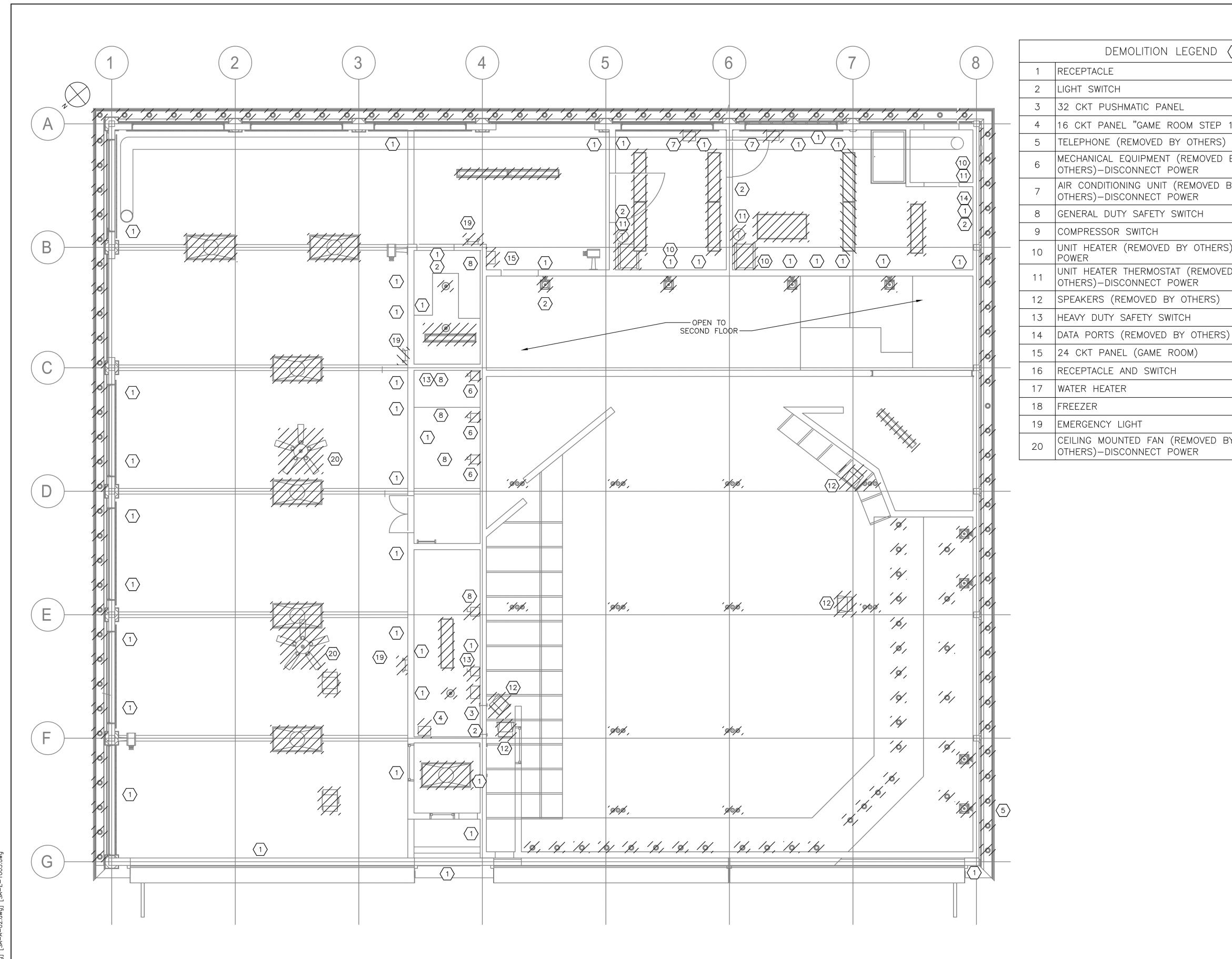
#### **KEY NOTES:**

- 1 EXISTING 480 DELTA, 208Y/120V, STEP-DOWN TRANSFORMER AND 208Y/120 VOLT, 400A POWER PANEL. LOCATED OUTSIDE THE REAR, NORTHEAST CORNER OF THE BUILDING.
- 2 DISCONNECT AND REMOVE ALL CONDUIT AND WIRE TO EXISTING BUILDING LOADS.
- DISCONNECT AND REMOVE PANEL AND ASSOCIATED BRANCH CIRCUITS, BREAKERS, CONDUIT AND WIRE. ASSUME FOR BIDDING



ONE LINE DIAGRAM - DEMOLITION

CONTRACT NUMBER SHEET NUMBER RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK AS BUILT — NO CHANGES SA-E-01 AS BUILT — CHANGES AS NOTED 22-523 DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING SCALE: AS SHOWN of 664 CONTRACTOR **INFRASTRUCTURE REHABILITATION - PHASE 3** PROJECT COORDINATOR PLAYLAND PARK, RYE, NEW YORK Savin Engineers, P.C. DATE: **8/23/2022** SOUTHEAST ARCADE
ONE LINE DIAGRAM AND PANEL SCHEDULES - DEMOLITION _____ DATE ____ DPW FILE **1-118-E-1391-0** REVISION



#### NOTES:

DEMOLITION LEGEND

16 CKT PANEL "GAME ROOM STEP 1"

MECHANICAL EQUIPMENT (REMOVED BY

AIR CONDITIONING UNIT (REMOVED BY

UNIT HEATER THERMOSTAT (REMOVED BY

CEILING MOUNTED FAN (REMOVED BY

OTHERS)-DISCONNECT POWER

UNIT HEATER (REMOVED BY OTHERS)-DISCONNECT

TELEPHONE (REMOVED BY OTHERS)

OTHERS)-DISCONNECT POWER

OTHERS)-DISCONNECT POWER

OTHERS)-DISCONNECT POWER

COMPRESSOR SWITCH

EMERGENCY LIGHT

RECEPTACLE

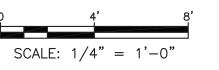
LIGHT SWITCH

- 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 ELECTRICAL EQUIPMENT, LIGHTING, POWER, CONDUIT AND WIRE BACK TO SOURCE.

4. ALL EXISTING CABLE AND CONDUIT SHALL BE DOCUMENTED PRIOR

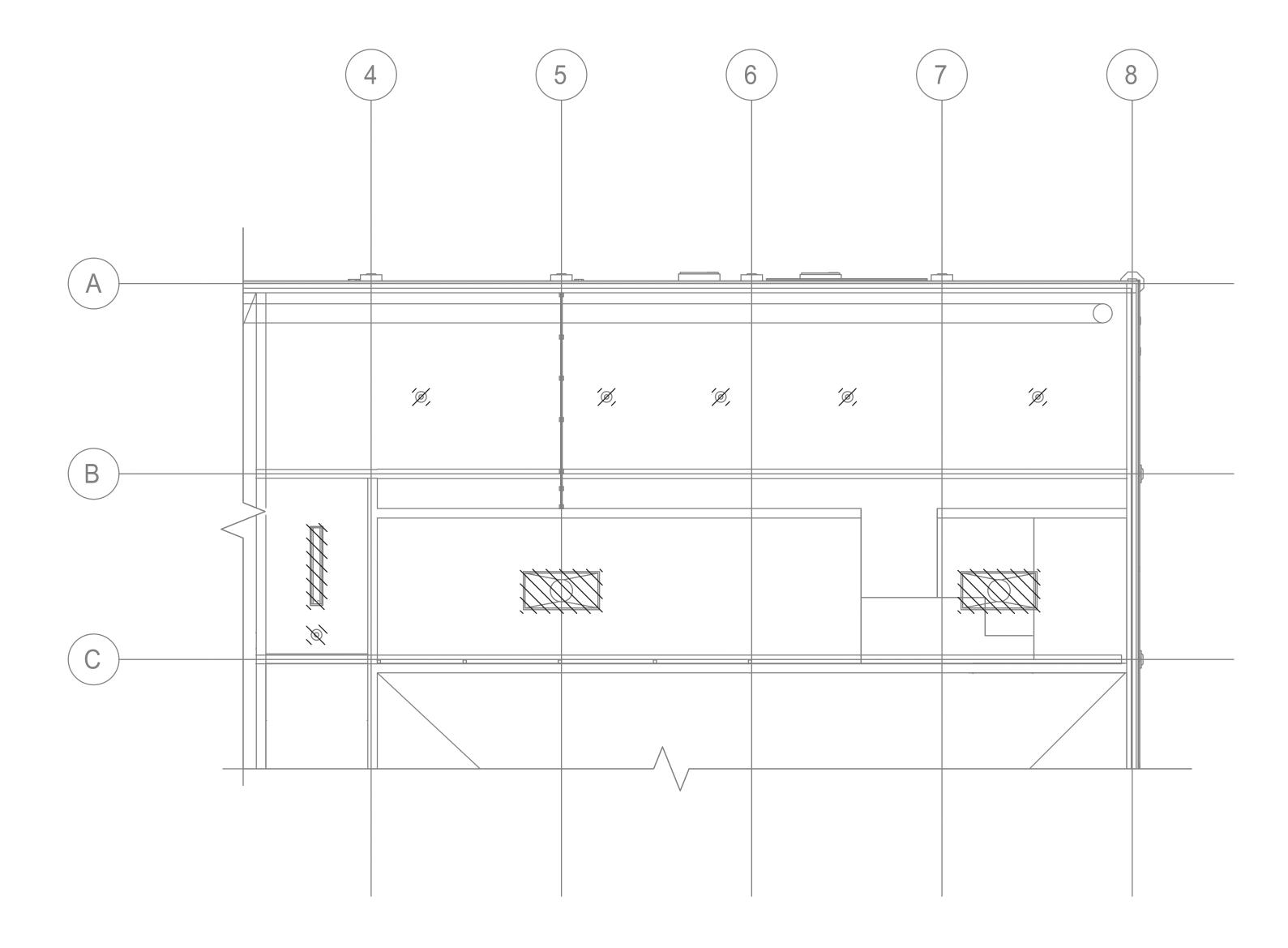
- TO REMOVAL.
- 5. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING FLUORESCENT LIGHTING FIXTURES.
- 6. ALL ASSOCIATED CIRCUITING TO BE DEMOLISHED FOR ALL RECEPTACLE AND LIGHTING FIXTURES SHOWN SHALL ASSUME TO BE 3/4" CONDUIT WITH 2 #12& 1#12G, UNLESS OTHERWISE NOTED AND SHALL BE DEMOLISHED.
- 7. ALL ASSOCIATED CIRCUITING TO BE DEMOLISHED FOR UNIT HEATER SHOWN SHALL ASSUME TO BE 1" CONDUIT WITH 3#8 AND 1#8G AND SHALL BE DEMOLISHED.
- 8. CONTRACTOR SHALL DEMOLISH ALL EXISTING JUNCTION BOXES AND ALL ASSOCIATED CONDUITS, WIRES AND APPURTENANCES. FOR BIDDING PURPOSES, ASSUME 2000 FEET 1"C, 3#12 & 1#12G.
- 9. CONTRACTOR IS ADVISED NARROW ACCESS AREA NORTH OF COLUMN LINE 4 HAS MULTIPLE "MAIN" SWITCHES TO BE DISCONNECTED AND REMOVED BACK TO SOURCE.

SOUTHEAST ARCADE GROUND FLOOR DEMOLITION POWER AND LIGHTING PLAN

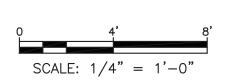


CONTRACI NUMBER SHEET NUMBER RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 22-523 SA-E-02 DIVISION OF ENGINEERING SCALE: AS SHOWN of 664 CONTRACTOR PROJECT COORDINATOR **INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK 8/23/2022 Savin Engineers, P.C. SOUTHEAST ARCADE **GROUND FLOOR DEMOLITION POWER & LIGHTING PLAN** DPW FILE **1-118-E-1392-0** REVISION





SOUTHEAST ARCADE SECOND LEVEL DEMOLITION PLAN
1/4"=1'-0"



CONTRACT NUMBER

22-523

DATE: **8/23/2022** 

SCALE: AS SHOWN of 664

DPW FILE **1-118-E-1393-0** 

SHEET NUMBER

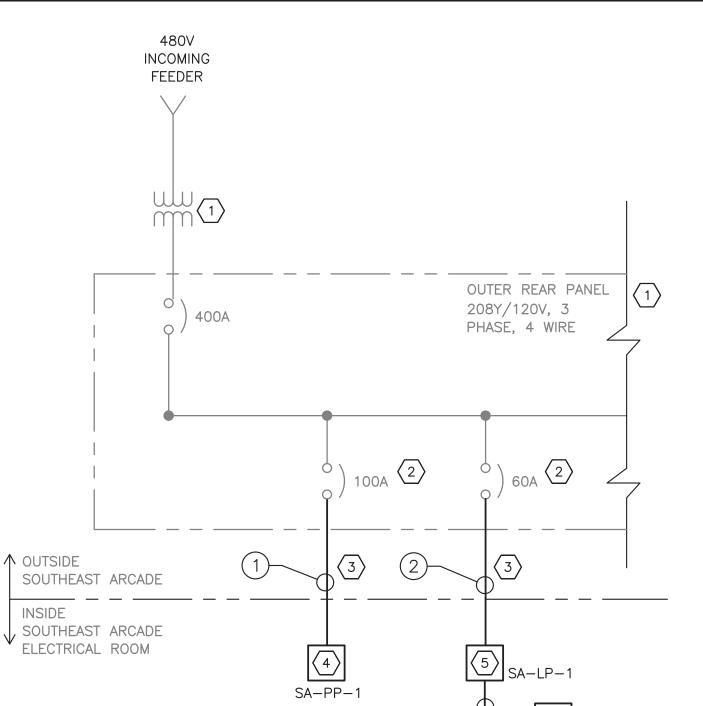
SA-E-03

MGodby Date MGodby Date Modby Date Moltamasian  Moltamasi	EULTANT SEAL  LE OF NEW LONG THE SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEA	RECORD DRAWING  AS BUILT — CHANGES AS NOTED	G CERTIFICATION  AS BUILT — NO CHANGES	WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING
Projection of the project of the pro	REVISION NUMBER DATE BY BY REVISION	CONTRACTOR  NAME SIGNATURE DATE	PROJECT COORDINATOR  NAME  SIGNATURE  TITLE DATE	INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE SECOND LEVEL DEMOLITION PLAN

Name: G:\SavinAutocad\2060\25—Playland—Mega—3\E\SAE—1003.dwg Projectname: 211001F02 Comments: ——— NOTES:

- 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 ELECTRICAL EQUIPMENT, LIGHTING, POWER, CONDUIT AND WIRE BACK TO SOURCE.
- 4. ALL EXISTING CABLE AND CONDUIT SHALL BE DOCUMENTED PRIOR TO REMOVAL.

	PANELBOARD: SA-LP-1					LOCATION	V: ELECTRICAL CLOSET		
1	NEMA RATING		3	POLE	$\mathbf{S}$	MOUNTING	G: SURFACE		
125	AMP BUS RATING	60 AMP MAIN BREAKER	42	KA SI	HORT CIR	RCUIT RATING			
208Y/120	VOLTS	3 PHASE 4 WIRE					LECTRONIC GRADE:	NO	
CIRCUIT NO.	DESCRIPTION	LOAD KVA PHASE PHASE PHASE A B C	BREAKER AMPS / POLES	NOTES	CIRCUIT NO.	DESCRIPTION	LOAD KVA PHASE PHASE PHASE A B C	BREAKER AMPS / POLES	NOTES
1	ARCADE LIGHTING	0.34	20/1		2	SPARE	-	20/1	
3	ARCADE LIGHTING	0.34	20/1		4	SPARE	-	20/1	
5	POWER TO SA-RP (120V)	0.1	20/1		6	UT1L1TY & UPSTAIRS LIGHTING	0.4	20/1	
7	SA-RP - EXTERIOR SOFFIT (NOR	ГН) 0.6	20/1		8	SPACE			
9	SA-RP SPARE	-	20/1		10	SPACE			
11	SA-RP SPARE	-	20/1		12	SA-RP - EXTERIOR SOFFIT (SOUTH)	0.6	20/1	
13	SPARE	-	20/1		14	SA-RP - EXTERIOR SOFFIT (EAST)	0.6	20/1	
15	SPARE	- Part	20/1		16	SA-RP - EXTERIOR SOFFIT (WEST)	0.6	20/1	
17	SPARE	-	20/1		18	SPARE	-	20/1	
19	SPACE				20	SPARE	-	20/1	
21	SPACE				22	SPACE			
23	SPACE				24	SPACE			
25	SPACE				26	SPACE			
27	SPACE				28	SPACE			
29	SPACE				30	SPACE			
31	SPACE			***************************************	32	SPACE			
33	SPACE				34	SPACE			
35	SPACE				36	SPACE			
37	SPACE				38	SPACE			
39	SPACE				40	SPACE			
41	SPACE				42	SPACE			
	TOTAL PHASE KVA THIS SIDE	0.94 0.34 0.10				TOTAL PHASE KVA THIS SIDE	0.6 0.6 0.98		L
		, 0,5 . , 0,6 . , 0,7 0				TOTAL KVA PER PHASE	1.54 0.94 1.08		
						TOTAL THREE PHASE KVA	3.56		
NOT	TES:				NOTES C				<b>Management</b>
1.					5.				
2.					6.				
3.					7.				
					-				



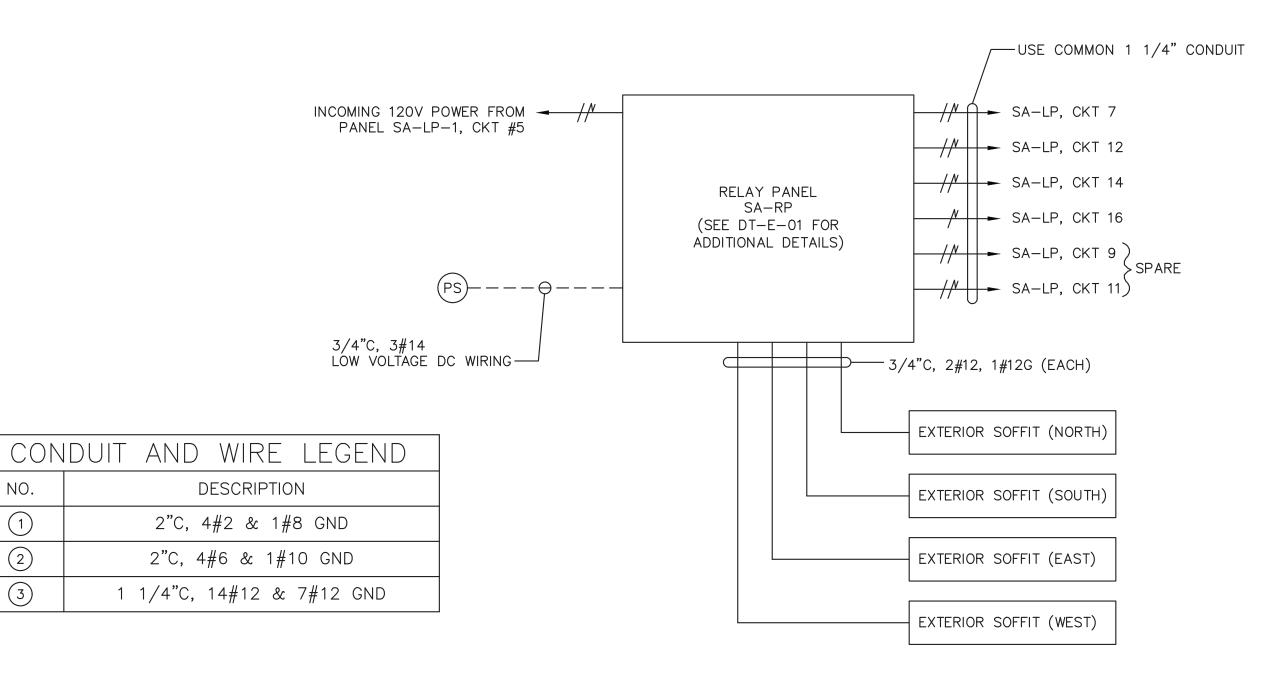
ONE LINE DIAGRAM

#### NOTES:

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

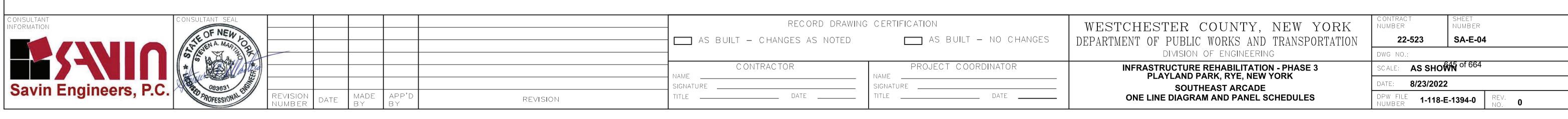
#### **KEY NOTES:**

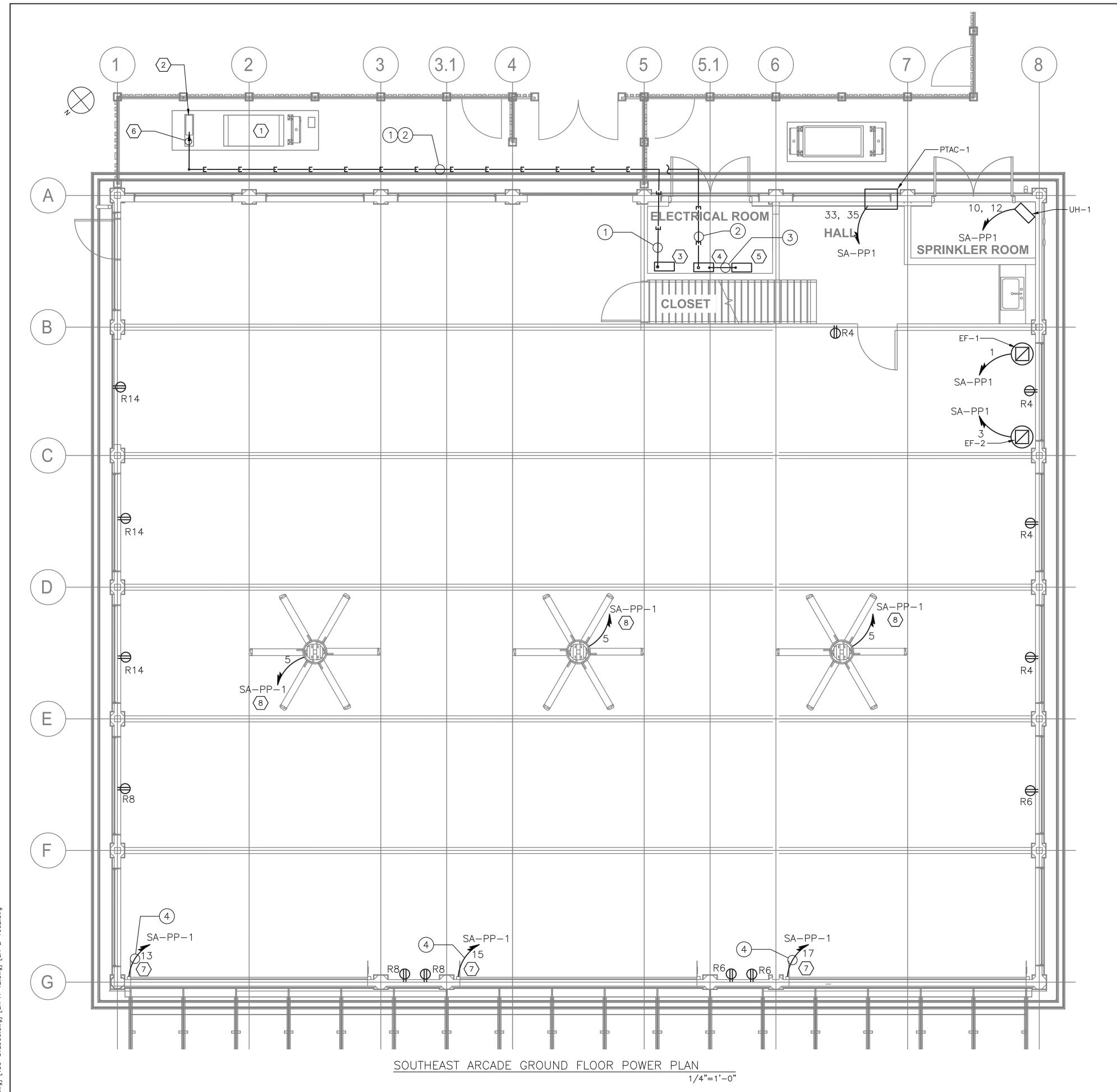
- (1) EXISTING 480 DELTA 208Y/120V, STEP-DOWN TRANSFORMER AND 208Y/120 VOLT, 400A POWER PANEL. LOCATED OUTSIDE THE REAR, NORTHEAST CORNER OF THE BUILDING.
- $\langle 2 \rangle$  REUSE EXISTING CIRCUIT BREAKER.
- $\overline{\langle 3 \rangle}$  contractor shall provide new conduit and wire.
- A NEW 208Y/120 VOLT, 3 PHASE, 4-WIRE POWER PANEL SA-PP-1 WITH 125 AMP MAINS AND 100 AMP MAIN CIRCUIT BREAKER.
- 5 NEW 60 AMP, 208Y/120 VOLT, 3 PHASE, 4-WIRE LIGHTING PANEL SA-LP-1 WITH 125 AMP MAINS AND 60 AMP MAIN CIRCUIT BREAKER.
- 6 NEW RELAY PANEL SA-RP FOR EXTERIOR LIGHTING CONTROL.



#### SOUTHEAST ARCADE EXTERIOR BUILDING WIRING DETAIL

SA-RP	LOCATION: ELECTRICAL	. CLOSET			
CKT NO	DESCRIPTION NOTES				
1	EXTERIOR SOFFITS (NORTH)				
2	EXTERIOR SOFFITS (SOUTH)				
3	EXTERIOR SOFFITS (EAST)				
4	EXTERIOR SOFFITS (WEST)				
5	SPARE				
6	SPARE				





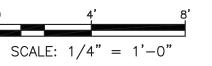
#### NOTES:

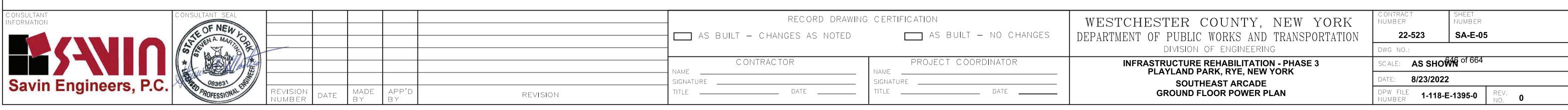
- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. SEE DRAWING SA-E-04 FOR PANEL SCHEDULES.
- 3. ALL RECEPTACLE DESIGNATORS ARE POWERED VIA PANEL SA-PP-1, UNLESS OTHERWISE NOTED.
- 4. ALL CIRCUITS SHOWN ON THE DRAWING, BUT NOT SPECIFICALLY CALLED OUT ON CONDUIT AND WIRE LEGEND, SHALL BE 3/4" CONDUIT WITH 2#12 & 1#12 GND.
- 5. FOR PANEL SCHEDULES, SEE DRAWING SA-E-04.
- 6. CONTRACTOR SHALL ASSUME THAT TWO ADDITIONAL CIRCUITS WILL BE NEEDED FOR EQUIPMENT IN THE SPRINKLER ROOM AND NOT AS YET SHOWN. FOR BIDDING PURPOSES, ASSUME A TOTAL OF 100 FEET OF 3/4" CONDUIT WITH 3#12 AWG WIRES.
- 7. EXHAUST FAN STARTERS SHALL BE FURNISHED BY THE EXHAUST FAN MANUFACTURER. FOR EXHAUST FAN STARTER REQUIREMENTS, SEE HVAC CONTRACT DRAWINGS AND SPECIFICATIONS.
- 8. DISCONNECT SWITCHES OUTDOORS, IN RESTROOMS AND/OR IN JANITORS CLOSETS SHALL BE IN A NEMA 3R ELCLOSURE.

#### **KEY NOTES:**

- (1) EXISTING TRANSFORMER TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- EXISTING 400 AMP PANEL TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. THIS PANEL SUPPLIES POWER TO OTHER RIDES AND MUST REMAIN IN OPERATION.
- 3 NEW 208Y/120V, 3 PHASE, 4 WIRE PANEL SA-PP-01 WITH 125 AMP MAINS AND 100 AMP MAIN CIRCUIT BREAKER.
- AMP MAINS AND 60 AMP MAIN CIRCUIT BREAKER.
- 5 NEW EXTERIOR LIGHTING RELAY PANEL SA-RP.
- 6 CONNECT NEW CONDUIT AND WIRE INTO EXISTING PANEL. NEW CONDUIT PENETRATIONS SHALL BE WITH WATERTIGHT HUBS.
- APPROXIMATE LOCATION OF MOTOR FOR NEW ROLL-UP DOOR. CONTRACTOR SHALL CONFIRM MOTOR LOCATION IN THE FIELD. PROVIDE 30 AMP, 2 POLE DISCONNECT SWITCH AT ROLL-UP DOOR MOTOR.
- (8) CONTRACTOR SHALL COORDINATE BOTH THE POWER AND CONTROL OF FANS. CONTRACTOR SHALL PROVIDE FOR SWITCH CONTROL IN LOCATION AS REQUIRED BY STANDARD AMUSEMENTS. ADDITIONALLY ASSUME A TOTAL OF 100 FEET OF 3/4" CONDUIT WITH CAT 6 WIRE TO AGAIN A DESTINATION AS REQUIRED BY STANDARD AMUSEMENTS.

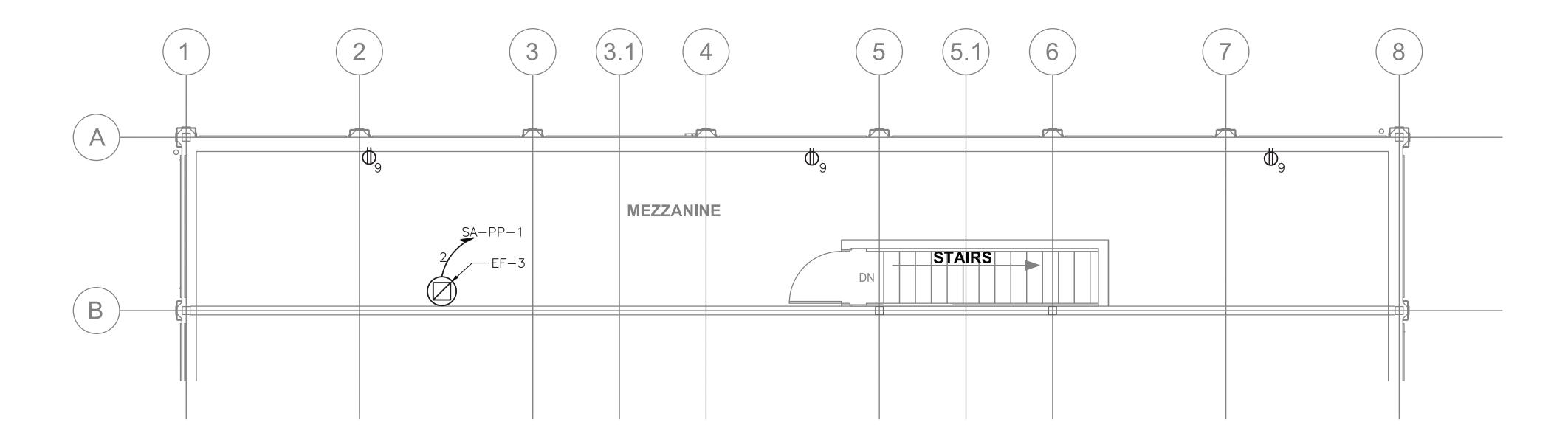
CON	DUIT AND WIRE LEGEND
NO.	DESCRIPTION
1	2"C, 4#2 & 1#8 GND
2	2"C, 4#6 & 1 #10 GND
3	1 1/4"C, 12#12 & 6#12 GNDS
4	3/4"C, 2#10 & 1#10 GND



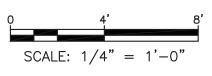


rojectname: 211001F02 Comments: ——— MGodby Date: 29 August 2022 8:01 AM Designed by: ———— 4x36 WestchesterCo 3 dwal [TSG=SVI OGO dwal [SA—A—12 dwal [SA—F—1002 dwa





SOUTHEAST ARCADE SECOND LEVEL POWER PLAN
1/4"=1'-0"







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	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	TITLE

RECORD DRAWING CERTIFICATION

AS BUILT — CHANGES AS NOTED

AS

_____ DATE ____

CONTRACTOR

AS BUILT - NO CHANGES

PROJECT COORDINATOR

E _____

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

INFRASTRUCTURE REHABILITATION - PHASE 3

INFRASTRUCTURE REHABILITATION - PHASE 3
PLAYLAND PARK, RYE, NEW YORK
SOUTHEAST ARCADE
SECOND LEVEL POWER PLAN

NOTES:

DRAWING GE-E-01.

1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE

SEE HVAC CONTRACT DRAWINGS AND SPECIFICATIONS.

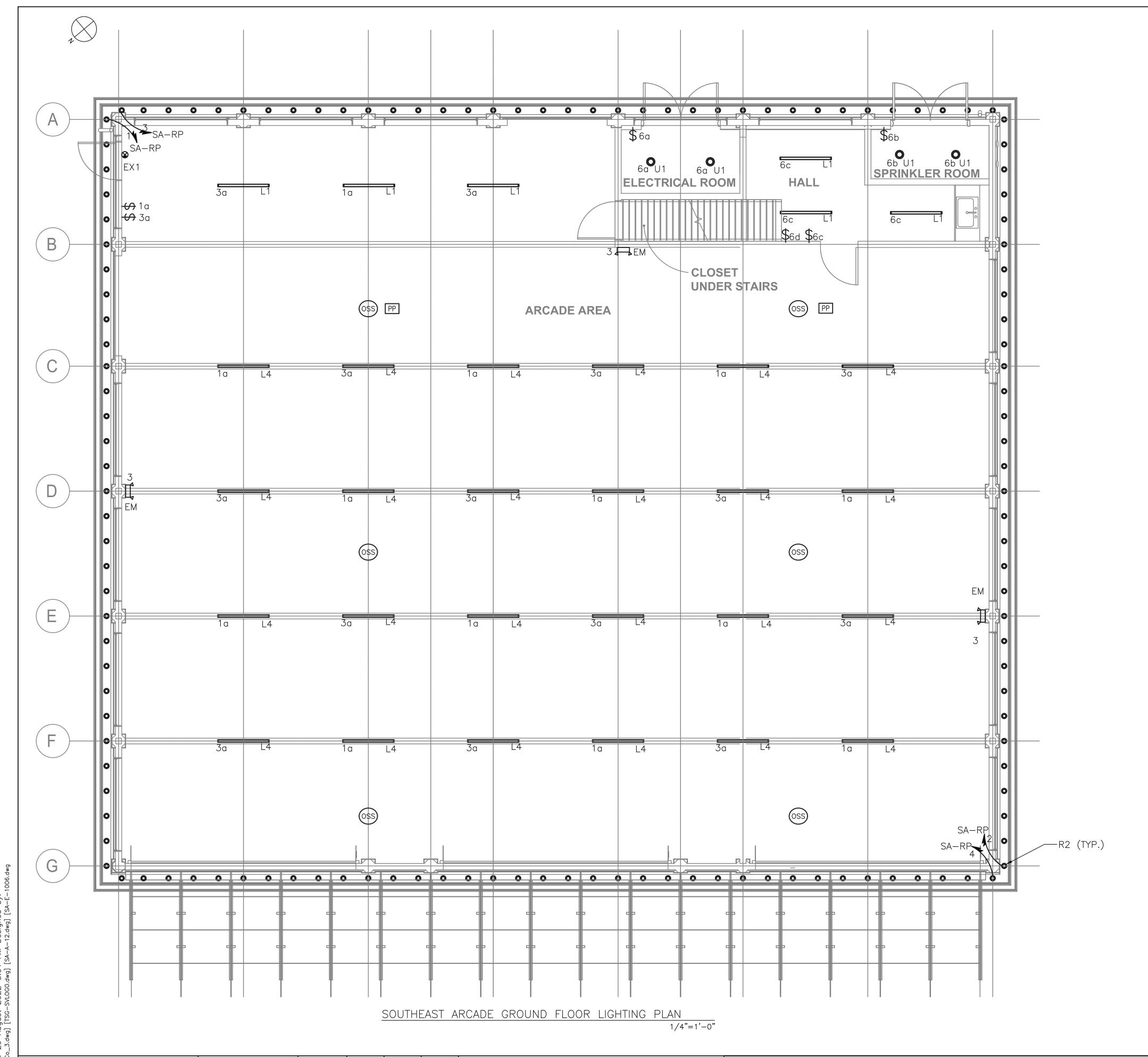
3. EXHAUST FAN STARTERS SHALL BE FURNISHED BY THE EXHAUST

FAN MANUFACTURER. FOR EXHAUST FAN STARTER REQUIREMENTS,

2. SEE DRAWING SA-E-04 FOR PANEL SCHEDULES.

CONTRACT NUMBER	SHEET NUMBER
22-523	SA-E-06
DWG NO.:	
SCALE: AS SHOW	47 of 664
DATE: <b>8/23/2022</b>	
DPW FILE NUMBER 1-118-E	REV. NO. 0

sectname: 211001F02 Comments: ---Godby Date: 29 August 2022 8:01 AM Designed by: ----

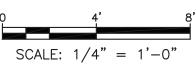


REVISION

NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. ALL INTERIOR LIGHTING IS POWERED VIA LIGHTING PANEL SA-LP-1, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CIRCUIT LIGHTING FIXTURES WITH 3/4" CONDUIT WITH 2#12 & 1#12GND.
- 3. EXIT SIGNS SHALL BE WIRED TO THE UN-SWITCHED LEG OF THE DESIGNATED CIRCUIT.
- 4. EMERGENCY FIXTURES SHALL BE WIRED TO THE UN-SWITCHED LEG OF THE DESIGNATED CIRCUIT.
- 5. ALL EXTERIOR LIGHTING SHALL BE CIRCUITED TO RELAY PANEL SA-RP. CONTRACTOR SHALL CIRCUIT LIGHTING FIXTURES WITH 3/4" CONDUIT WITH 2#12 & 2#12GND, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL DAISY-CHAIN ÄLL EXTERIOR LIGHT FIXTURES WITH SAME CIRCUIT NUMBER BACK TO RELAY PANEL SA-RP.
- 6. FOR LIGHTING PANEL SCHEDULE, REFER TO DRAWINGS SA-E-04.
- 7. ALL POWER PACKS SHOWN ON DRAWINGS SHALL BE CIRCUITED FROM LIGHTING PANEL SA-LP-1.
- 8. NUMBER DESIGNATORS NEXT TO FIXTURES AND/OR CONTROLS INDICATE CIRCUIT NUMBERS.
- 9. POWER PACKS SHALL BE MOUNTED ABOVE FINISHED CEILING IF POSSIBLE.
- 10. ALL LIGHTING CONTROL COMPONENTS SHALL BE FROM A SINGLE MANUFACTURER, AND MUST BE FROM THE SAME MANUFACTURER FOR ALL BUILDINGS WITHIN THE CONTRACT AND AS PROVIDED ELSEWHERE AT THE PLAYLAND FACILITY.
- 11. LIGHTING CONTROLS SELECTED SHALL HAVE THE CAPABILITY TO BE CONNECTED TO A MASTER HEAD-END SYSTEM (FUTURE CONTRACT).
- 12. RELAY PANEL SHALL BE EQUIPPED WITH BOTH A BUILT-IN TIME CLOCK AND A PHOTOSENSOR CONTROL.
- 13. FOR EXTERIOR LIGHTING CONTROL WIRING INFORMATION, SEE DRAWING SA-E-04.
- 14. FOR LIGHTING FIXTURE SCHEDULE SEE DRAWING GE-E-03.

	LIGHTING CONTROL LEGEND
SYMBOL	DESCRIPTION
oss	OCCUPANCY / VACANCY SENSOR — SMALL MOTION, DUAL TECHNOLOGY (PASSIVE INFRARED/MICROPHONICS) ACUITY BRANDS, nLIGHT SYSTEM CATALOG NUMBER: nCM-PDT-9-RJB OR APPROVED EQUAL
PP 12	POWER / RELAY PACK — 120V RATED SELF CONTROLLED RELAY SWITCH, EQUIPPED WITH RJ45, PLENUM RATED, CONFIGURATIVE RELAY LOGIC ACUITY BRANDS, nLIGHT SYSTEM CATALOG NUMBER: nPP16-D-EFP-SA OR APPROVED EQUAL.
\$	120V RATED LIGHTING SINGLE POLE SWITCH
RP	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: ARP INTENCO8NLT-16SR-MVOLT-1VB-HLK-S-DTC OR APPROVED EQUAL
PS	ANALOG PHOTOCELL — PHOTOSENSOR SUITABLE FOR OUTDOOR APPLICATIONS.  CATALOG NUMBER: LSA—APS—OL OR APPROVED EQUAL
n POD	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







AS BUILT - CHANGES AS NOTED

CONTRACTOR

RECORD DRAWING CERTIFICATION

AS BUILT - NO CHANGES

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING PLAYLAND PARK, RYE, NEW YORK

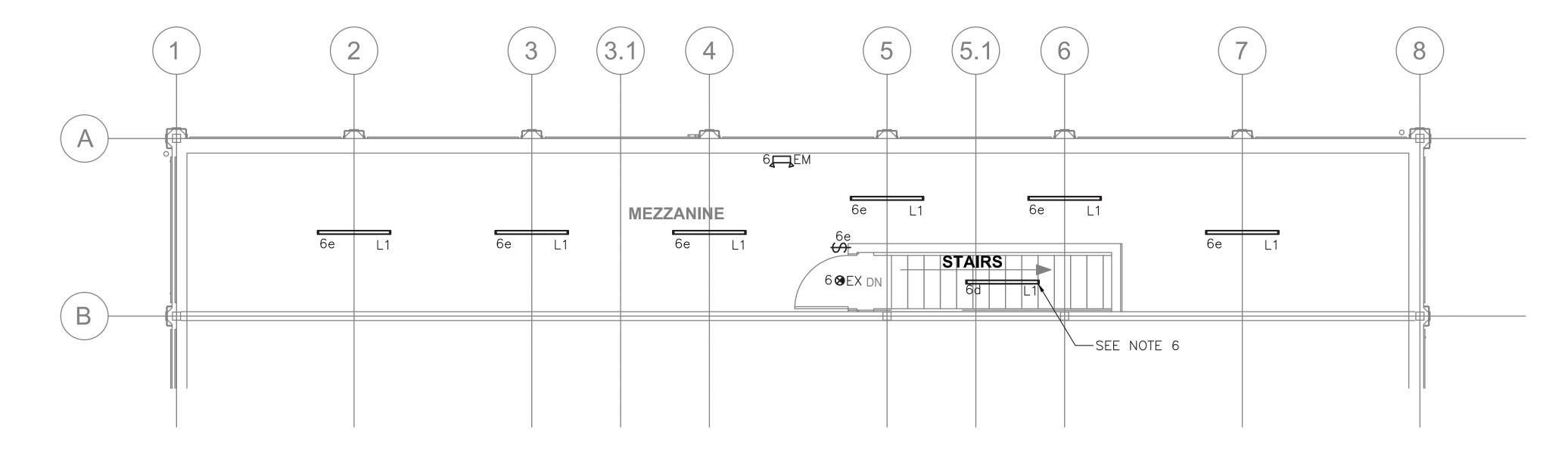
WESTCHESTER COUNTY, NEW YORK

CONTRACI NUMBER SHEET NUMBER SA-E-07 22-523 SCALE: AS SHOWN of 664 DATE: **8/23/2022** 

**INFRASTRUCTURE REHABILITATION - PHASE 3 SOUTHEAST ARCADE GROUND FLOOR LIGHTING PLAN** 

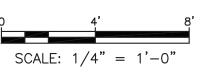
DPW FILE **1-118-E-1397-0** 





SOUTHEAST ARCADE SECOND LEVEL LIGHTING PLAN 1/4"=1'-0" NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. ALL INTERIOR LIGHTING SHOWN IS POWERED VIA LIGHTING PANEL SA-LP-1, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CIRCUIT LIGHTING FIXTURES WITH 3/4" CONDUIT WITH 2#12 & 1#12GND.
- 3. EXIT SIGNS SHALL BE WIRED TO THE UN-SWITCHED LEG OF THE DESIGNATED CIRCUIT.
- 4. EMERGENCY FIXTURES SHALL BE WIRED TO THE UN-SWITCHED LEG OF THE DESIGNATED CIRCUIT.
- 5. FOR LIGHTING PANEL SCHEDULE, REFER TO DRAWING SA-E-04.
- 6. FIXTURE SHALL BE SURFACE MOUNTED. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.





REVISION

AS BUILT — CHANGES AS NOTED

CONTRACTOR

TITLE _____ DATE ____

AS BUILT — NO CHANGES

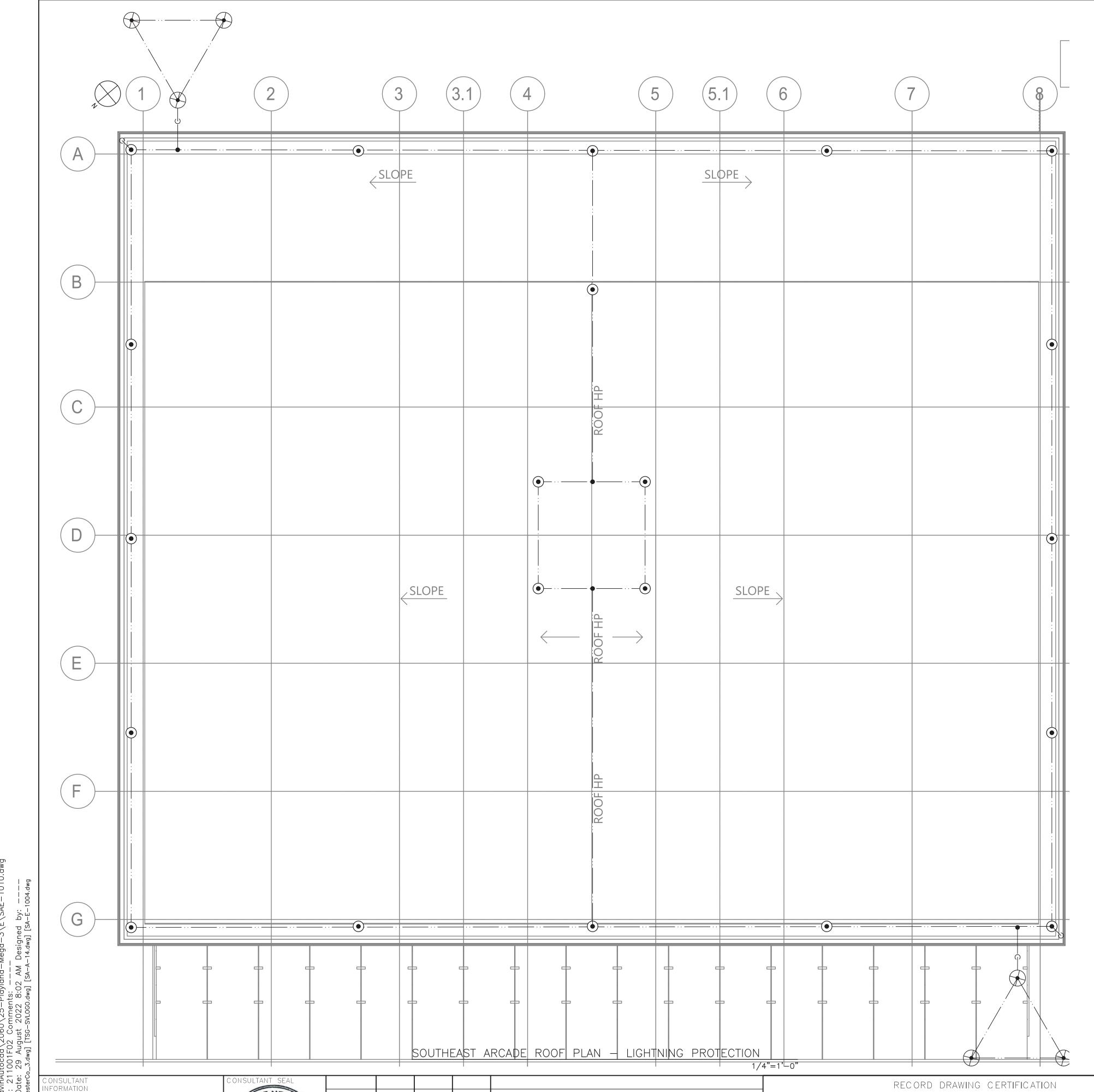
RECORD DRAWING CERTIFICATION

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION PROJECT COORDINATOR

DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION - PHASE 3 PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE SECOND LEVEL LIGHTING PLAN

WESTCHESTER COUNTY, NEW YORK

CONTRACT NUMBER	SHEET NUMBER
22-523	SA-E-08
DWG NO.:	
SCALE: AS SHOW	49 of 664
DATE: <b>8/23/2022</b>	2
DPW FILE NUMBER <b>1-118-E</b>	E-1398-0 REV. NO. 0



NOTES:

- 1. FOR ADDITIONAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING GE-E-01.
- 2. CONTRACTOR IS ADVISED, THE LIGHTNING PROTECTION SYSTEM SHOWN SHALL BE USED AS A GUIDE AND FOR BIDDING PURPOSES. CONTRACTOR SHALL HIRE A CERTIFIED LIGHTNING PROTECTION SPECIALIST FOR INSTALLATION OF NEW SYSTEM. INSTALLER SHALL PROVIDE ALL THAT IS REQUIRED (PER NFPA 780) AND SHALL OBTAIN UL96A CERTIFICATION (MASTER LABEL) UPON COMPLETION. ADDITIONALLY, INSTALLER SHALL PROVIDE FOR ALL NECESSARY BONDING FOR COMPLETE SYSTEM.
- 3. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR SPECIFIC INFORMATION ON THE NEW ROOF STRUCTURE AND MATERIALS.
- 4. TO MINIMIZE THE VISUAL IMPACT OF THE BUILDING ALL NEW DOWN CONDUCTORS SHALL BE ROUTED DOWN SIDE OF BUILDING. COORDINATE WITH ARCHITECTURAL FEATURES TO CONCEAL DOWN CONDUCTORS. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ACCOMPLISH THIS WORK. PROVIDE LPS BARE COPPER CABLE TO GROUND RODS.
- 5. CONTRACTOR IS ADVISED THE NEW DOWN CONDUCTOR SHALL BE BONDED TO THE LOWER METAL OVERHANG ROOF AND CONNECT TO THE EXISTING GROUND WIRE AND GROUND ROD AT GROUND LEVEL.
- 6. AT EACH LPS DOWN CONDUCTOR, PROVIDE TRIANGULAR GROUND GRID AS SHOWN (NOT ALL SHOWN),

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

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efs:		

REVISION

AS BUILT — CHANGES AS NOTED

CONTRACTOR

TITLE _____ DATE ____

AS BUILT — NO CHANGES

PROJECT COORDINATOR

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3** 

PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE **ROOF PLAN - LIGHTNING PROTECTION** 

	CONTRACT NUMBER	SHEET NUMB ER	
N	22-523	SA-E-09	
	DWG NO.:		
	SCALE: AS SHOฟี	of 664	
	DATE: <b>8/23/2022</b>		
	DPW FILE 1-118-E	1399-0 REV. NO. 0	

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

- 1. THE FIRE ALARM AND SMOKE DETECTION SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE NATIONAL FIRE PREVENTION CODE (NFPA 72 2016), NATIONAL LIFE SAFETY CODE (NFPA 101 2018), NATIONAL ELECTRICAL CODE (NFPA 70 2017), 2020 NEW YORK STATE BUILDING CODE, AND ALL LOCAL MUNICIPAL CODES HAVING JURISDICTION.
- 2. THE FIRE ALARM AND SMOKE DETECTION SYSTEM SHALL BE MAINTAINED AND TESTED IN COMPLIANCE WITH 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 PER NFPA 72.
- 7. EXACT PLACEMENT OF DEVICES TO BE VERIFIED IN FIELD.
- 8. ALL SMOKE DETECTORS SHALL BE INSTALLED A MINIMUM OF 36" 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. WALL MOUNTED HORNS AND VISUAL FIRE ALARMS (STROBES) SHALL BE MOUNTED NOT LESS THAN 6'-8" AND NOT GREATER THAN 8'-0" A.F.F. WHERE LOCAL CONDITIONS ARE TOO LOW TO PERMIT THE REQUIRED MINIMUM INSTALLATION HEIGHT, INSTALL THE STROBES AT 6" BELOW THE CEILING.
- 11. MANUAL PULL STATIONS SHALL BE MOUNTED AT 4'-0" A.F.F. AND SHALL BE INSTALLED WITHIN 5'-0" OF EXIT DOOR.
- 12. WIRING SHALL BE INSTALLED IN ACCORDANCE WITH 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 CONSTRUCTION NOTES:**

- 1. ELECTRICIAN SHALL COORDINATE WITH THE FIRE ALARM VENDOR TO 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.
- 2. ELECTRICIAN SHALL OBTAIN SEPARATE PERMIT FOR FIRE ALARM PRIOR TO INSTALLATION.
- 3. 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 FIRE DEPARTMENT REQUIRED ITEMS ARE FULLY UNDERSTOOD AND INCLUDED IN THE BID PRICE (NO CHANGE ORDERS ALLOWED).
- 4. FIRE ALARM VENDOR MUST ADHERE TO NFPA 72, NFPA 101, AND ALL LOCAL CODES AND AUTHORITIES HAVING JURISDICTION. THE ENTIRE SYSTEM MUST BE DESIGNED IN ACCORDANCE WITH THESE AUTHORITIES HAVING JURISDICTION.
- 5. FIRE ALARM VENDOR SHALL INCLUDE THE COST OF THE ENGINEERING FEE, PROGRAMMING CHARGE, NEW EQUIPMENT, CONNECTION & TESTING, TROUBLESHOOTING, ATTENDANCE AT THE FIRE ALARM INSPECTION, ETC. AS PART OF THE TOTAL PRICE.
- 6. FIRE ALARM VENDOR MUST SUBMIT APPROVED, SIGNED AND SEALED DESIGN/BUILD DRAWINGS TO THE ENGINEER AND OWNER, INCLUDING: FIRE ALARM RISER DIAGRAM, LAYOUT, EQUIPMENT LIST, SPECIFICATIONS PRIOR TO START OF INSTALLATION. INSTALLATION OF THE NEW FIRE ALARM SYSTEM SHALL NOT PROCEED PRIOR TO WRITTEN APPROVAL BY THE ENGINEER.
- 7. FIRE ALARM VENDOR SHALL SUBMIT SHOP DRAWINGS IN COMPLIANCE WITH NFPA 72, 2020 NEW YORK STATE BUILDING CODE, AND 2020 NEW YORK STATE FIRE CODE SECTION 907.1.1.
- 8. ALL FIRE ALARM CABLES AND WIRING MUST BE PLENUM RETURN RATED CABLES.

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

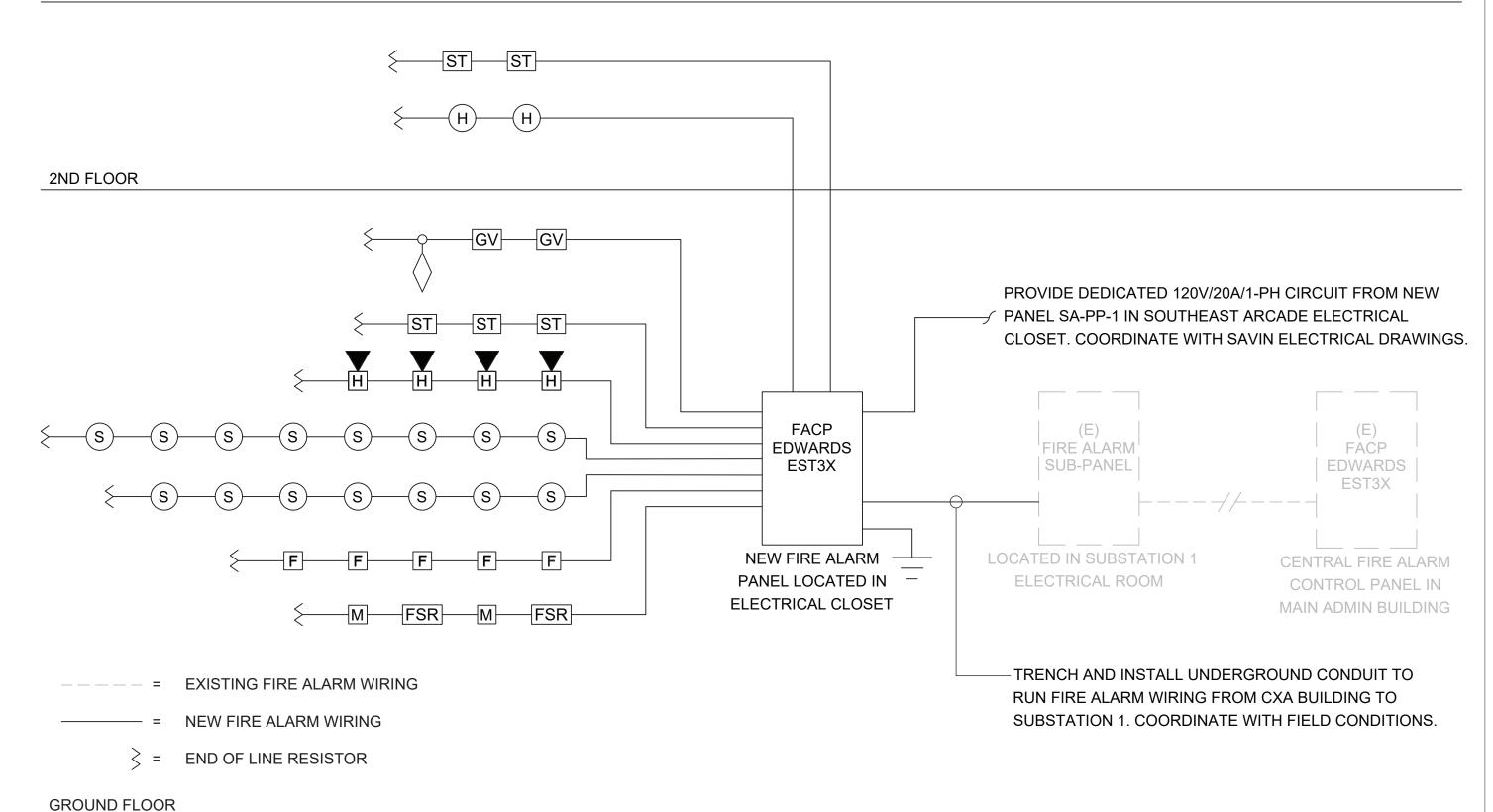
- 1. DEMOLISH EXISTING FIRE ALARM DEVICES AND ASSOCIATED WIRING BACK TO SOURCE.
- 2. PROVIDE NEW FIRE ALARM SYSTEM WITH SUBPANEL AS PER DRAWINGS. COORDINATE LOCATION WITH FIELD CONDITIONS AND ARCHITECT. PROVIDE ALL NECESSARY WIRING, CONNECTIONS, CONDUIT, AND FITTINGS.
- 3. PROVIDE NEW FIRE ALARM DEVICES AS PER DRAWINGS. PROVIDE ALL NECESSARY WIRING, CONNECTIONS, CONDUIT,
- 4. CONNECT FIRE ALARM DEVICES AND SIGNAL TO NEW FIRE ALARM SUBPANEL. CONNECT SUBPANEL TO CENTRAL FIRE ALARM CONTROL PANEL IN MAIN ADMINISTRATION BUILDING VIA QUAD 1. PROVIDE ALL REQUIRED PROGRAMMING.
- 5. NEW FIRE ALARM SYSTEM SHALL BE INSPECTED BY A THIRD PARTY INSPECTION AGENCY CERTIFIED BY WESTCHESTER COUNTY. ELECTRICIAN SHALL INCLUDE INSPECTION IN BASE BID SCOPE AND COORDINATE WITH INSPECTION AGENCY TO CERTIFY THE SYSTEM.
- 6. ELECTRICIAN SHALL COORDINATE WITH THE FIRE ALARM VENDOR (OPEN SYSTEMS METRO) TO RE-PROGRAM AND TEST THE CENTRAL FIRE ALARM SYSTEM IN THE PLAYLAND MAIN ADMINISTRATION BUILDING FOLLOWING THE INSTALLATION OF NEW SYSTEM AND DEVICES.
- 7. ELECTRICIAN SHALL COORDINATE WITH THE FIRE ALARM CENTRAL MONITORING PROVIDER (STATEWIDE MONITORING) TO TEST AND VERIFY CENTRAL MONITORING OF PARKWIDE SYSTEM FOLLOWING THE INSTALLATION OF NEW SYSTEM AND DEVICES.

#### 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, SHALL BE FIELD ADJUSTABLE, AND SHALL BE RATED AT 75 CANDELA MINIMUM, UNLESS OTHERWISE NOTED. ALL STROBES SHALL BE SYNCHRONIZED AT LINE OF SIGHT.
- 3. WALL MOUNTED HORNS AND VISUAL FIRE ALARMS (STROBES) SHALL BE MOUNTED NOT LESS THAN 6'-8" AND NOT GREATER THAN 8'-0" A.F.F. WHERE LOCAL CONDITIONS ARE TOO LOW TO PERMIT THE REQUIRED MINIMUM INSTALLATION HEIGHT, 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'-0" OF EXIT DOOR.
- 5. FUSE CUT OUT BOX SHALL COMPLY WITH THE NATIONAL ELECTRICAL 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 ALARM SYSTEM TESTING PER THE 2020 NEW YORK STATE FIRE CODE AND NFPA 72.

## FIRE ALARM LEGEND: **DESCRIPTION** SYMBOL FA FIRE ALARM SUB PANEL (S)SMOKE DETECTOR HEAT DETECTOR MANUAL FIRE ALARM PULL STATION FIRE ALARM WALL MOUNTED HORN/STROBE # = CANDELA RATING WALL MOUNTED STROBE # = CANDELA RATING FLOW SWITCH CONNECTED TO FIRE ALARM SYSTEM SPRINKLER VALVE TAMPER SWITCH CONNECTED TO FIRE ALARM SYSTEM FIRE ALARM MONITORING RELAY 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
Х	EXISTING TO BE DEMOLISHED



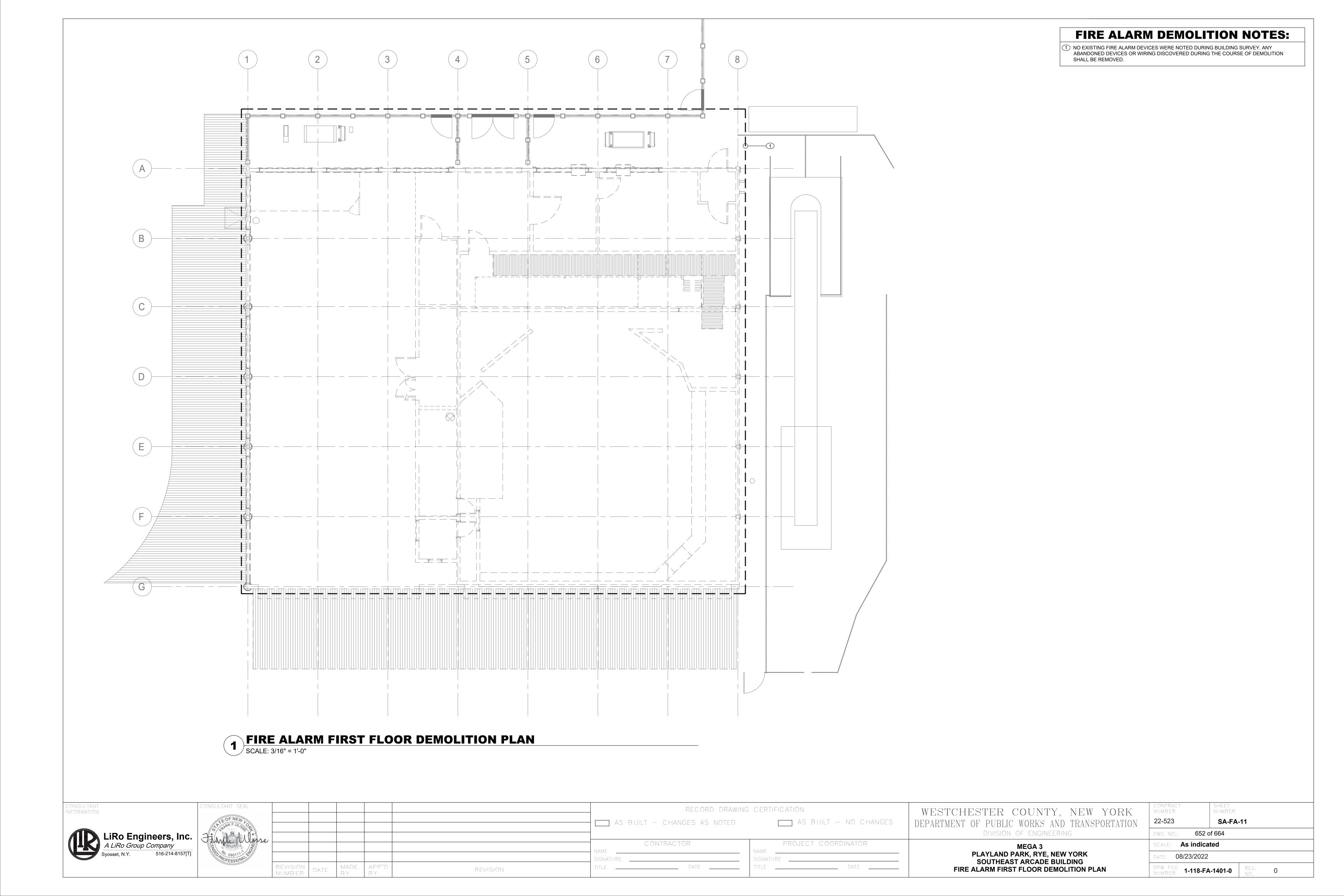
- ES:
- WIRING SHOWN ON RISER IS DIAGRAMMATICAL. PROVIDE NEW FIRE ALARM CABLE AS REQUIRED AND INSTALL WIRING LOOPS AS BEST SUITED FOR FIELD CONDITIONS.
- 2. THE BUILDING IS FULLY SPRINKLERED.

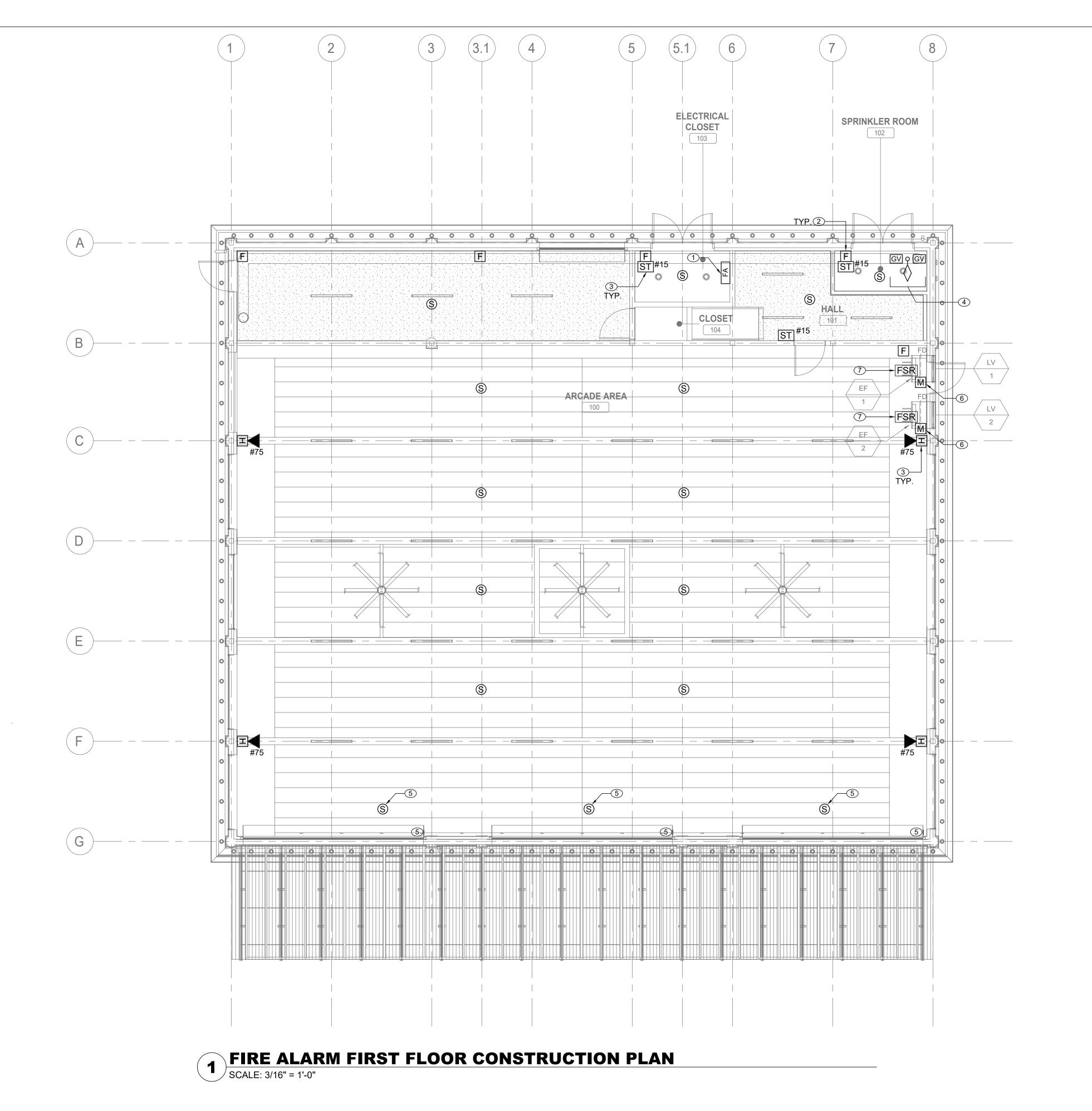
## 1 FIRE ALARM RISER DIAGRAM SCALE: NOT TO SCALE

		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	ACTIVATE AUTOMATIC CLOSURE OF FIRE-RATED ROLLING DOOR	AUTOMATIC SHUTOFF OF EXHAUST FAN
VENT	Α	В	С	D	Е	F	G	Н	I	J	K	L	M	N	0	Р	Q	R	S
CTIVATION OF MANUAL PULL STATION	X	X					X	X		X									
CTIVATION OF SMOKE DETECTOR	X	Х					X	Х	Х								Χ	Х	
CTIVATION OF DUCT MOUNTED SMOKE DETECTOR	Х	Х					Х	Х	Х								Х		
CTIVATION OF HEAT DETECTOR	Х	Х					Х	Х	Х								Χ		
ATERFLOW SWITCH FOR FIRE SPRINKLER SYSTEM	X	Х					Х	X			X						Х		
CTIVATION OF CARBON MONOXIDE DETECTOR			X	Х			X	X					Х		X	Х			
PRINKLER VALVE (TAMPER SWITCH)			X	X				X				Х							
RE ALARM LOSS OF PRIMARY/SECONDARY POWER					Х	X		X						X					
RE ALARM SYSTEM WIRING FAILURE					Х	X		X						X					
RE DAMPER (MONITORING RELAY)			X	X								X							X

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

	CONSULTANT SEAL					RECORD DRAWIN	NG CERTIFICATION		WESTCHESTER COUNTY, NEW YORK	C ONTRACT NUMB ER	SHEET NUMB ER	_
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516-214-8157[T]	POFESSIONAL CONTRACTOR OF THE POPENSION ALCOHOLOGICAL CONTRACTOR OF THE POPENSION AND THE POPENSION AN				SIGNATURE		SIGNATURE		PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING	DATE: 08/23	23/2022	
		REVISION DATE MADE A NUMBER BY	APP'D BY	REVISION	TITLE	DATE	TITLE	DATE	FIRE ALARM NOTES, SYMBOLS, LEGEND, AND RISER DIAGRAM	DPW FILE NUMBER 1-	-118-FA-1400-0 REV. NO. 0	





#### ONSULTANT NFORMATION RECORD DRAWING CERTIFICATION WESTCHESTER COUNTY, NEW YORK NUMBER 22-523 SA-FA-21 AS BUILT - NO CHANGES DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AS BUILT - CHANGES AS NOTED DIVISION OF ENGINEERING 653 of 664 PROJECT COORDINATOR CONTRACTOR As indicated **INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK 08/23/2022 SOUTHEAST ARCADE BUILDING FIRE ALARM FIRST FLOOR PLAN REVISION 1-118-FA-1402-0

#### FIRE ALARM CONSTRUCTION NOTES:

- 1 INSTALL NEW FIRE ALARM CONTROL PANEL TO SERVE SOUTHEAST ARCADE BUILDING. EDWARDS EST 3X-SFS1R OR APPROVED EQUAL, PER PARK STANDARDS OR AS SPECIFIED BY WITH PARKWIDE FIRE ALARM SYSTEM VENDOR (EST). NEW PANEL SHALL BE CONNECTED TO PARKWIDE SYSTEM AND TESTED IN COORDINATION WITH SYSTEM VENDOR. COORDINATE LOCATION WITHIN ELECTRICAL CLOSET WITH ELECTRICAL DRAWINGS.
- 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 STROBES AND HORN STROBES SHALL BE FIELD ADJUSTABLE AND SET CANDELA RATING INDICATED ON PLAN. FIRE ALARM STROBES AND HORN STROBES SHALL BE INSTALLED AT 7'-4" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- 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.
- TO AUTOMATIC CLOSURE OF ROLLING FIRE-RATED SERVICE DOORS SHALL BE INITIATED BY FUSIBLE LINK AND NEARBY SMOKE DETECTORS. INSTALLATION OF FIRE-RATED DOORS AND INITIATING SMOKE DETECTORS SHALL COMPLY WITH NFPA 72 AND NFPA 80. COORDINATE INSTALLATION, SEQUENCING, AND TESTING WITH DOOR MANUFACTURER. REFER TO ARCHITECTURAL DRAWINGS AND ARCHITECTURAL FIRE-RATED DOOR SPECIFICATION FOR ADDITIONAL INFORMATION.
- (6) INSTALL FIRE ALARM MONITORING RELAY MODULES AT NEW FIRE DAMPERS. MONITORING MODULES SHALL TRANSMIT SIGNAL TO FIRE ALARM CONTROL PANEL IN EVENT OF FIRE DAMPER CLOSURE BY FUSIBLE LINK.
- 7 PROVIDE FAN SHUTDOWN RELAYS FOR EXHAUST FANS, INTERLOCK WITH ASSOCIATED FIRE DAMPERS. EXHAUST FANS SHALL AUTOMATICALLY SHUT OFF IN EVENT OF FIRE DAMPER CLOSURE BY FUSIBLE LINK. PROVIDE WIRING AND PROGRAMMING FOR UNIT SHUTDOWN.

#### **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
- 3. 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

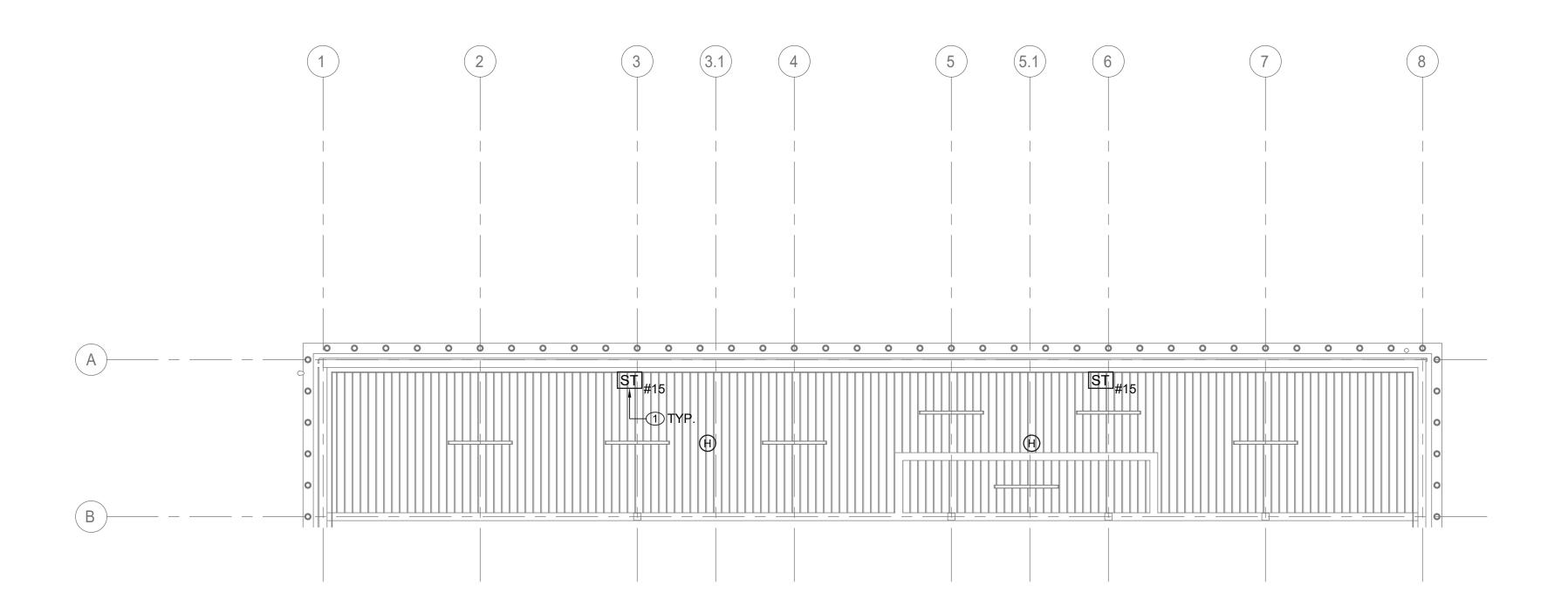
- IN FINISHED WALLS AND FLUSH MOUNT DEVICES WHERE POSSIBLE.

  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.
- AND CEILINGS TO MATCH EXISTING OR DESIRED NEW CONDITION.

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

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

- RATING TO FULL DEPTH OF OPENING.
- 11. CONTRACTOR SHALL PROVIDE SLEEVE FOR CONDUIT PENETRATIONS THROUGH WALL AND CEILING FLOORS.



FIRE ALARM SECOND FLOOR CONSTRUCTION PLAN

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

# ONSULTANT NFORMATION

# REVISION

RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES CONTRACTOR

PROJECT COORDINATOR

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

FIRE ALARM SECOND FLOOR PLAN

**INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING

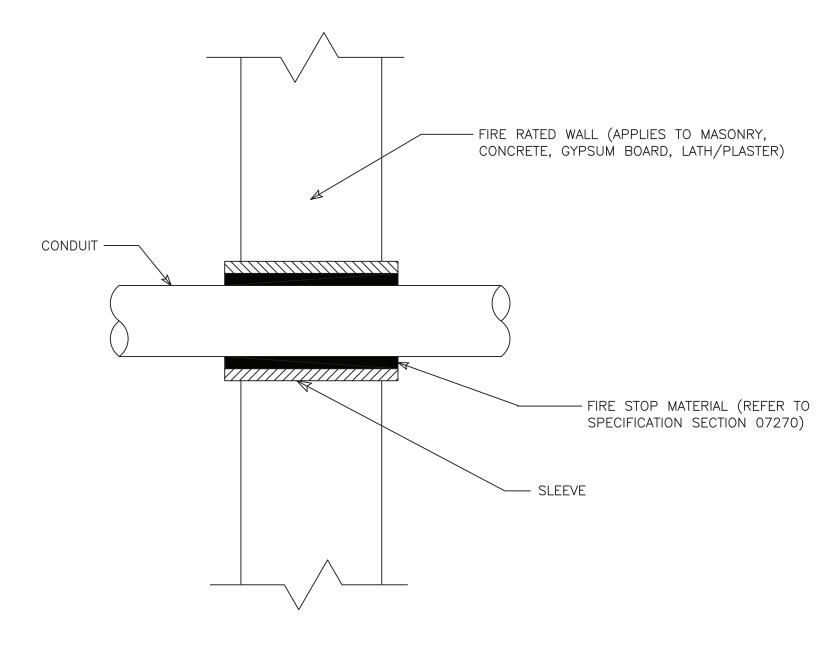
#### SHEET NUMBER NUMBER 22-523 SA-FA-22 654 of 664 As indicated 08/23/2022 1-118-FA-1403-0

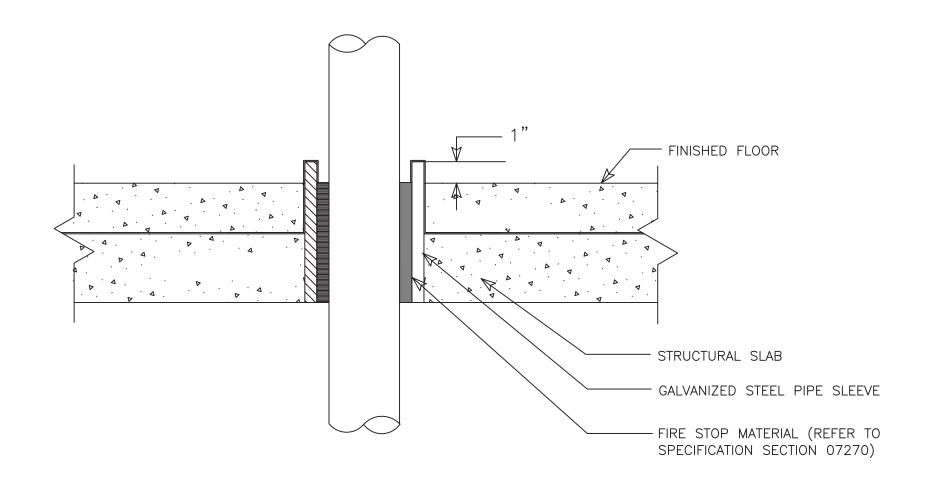
#### FIRE ALARM GENERAL NOTES:

- 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
- 3. 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 ALARM CONSTRUCTION NOTES:

1 FIRE ALARM STROBES AND HORN STROBES SHALL BE FIELD ADJUSTABLE AND SET CANDELA RATING INDICATED ON PLAN. FIRE ALARM STROBES AND HORN STROBES SHALL BE INSTALLED AT 7'-4" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.



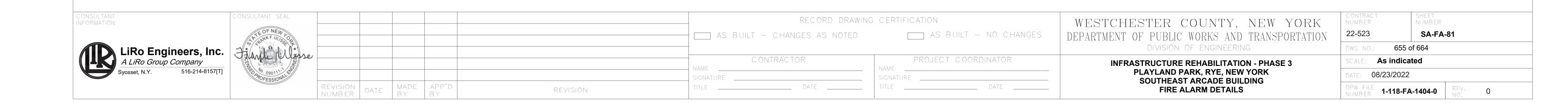


2 CONDUIT PENETRATION THRU FLOOR SLAB

NOT TO SCALE

CONDUIT PENETRATION THRU FIRE RATED WALL

NOT TO SCALE



#### GENERAL NOTES:

- 1. DIMENSIONS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO REVISIONS AS
- 2. CONTRACTOR SHALL COMPLY WITH ALL NYSDEC PERMIT REQUIREMENTS AND ANY OTHER STATE, COUNTY, CITY OR TOWN AGENCY HAVING JURISDICTION. REFER TO THE CONTRACT SPECIFICATIONS FOR PERMIT REQUIREMENTS.
- 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.
- 7. 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 AND SHALL NOT BE OFFERED FOR INSPECTION AGAIN.
- 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 CONTRACTOR FROM ANY CONTRACT OBLIGATIONS.
- 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 REQUIREMENTS.
- 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 ARFA.

#### 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."

**DEMOLITION NOTES:** 

AND CONSTRUCTION PHASES.

- 1. ALL REQUIRED DEMOLITION PERMITS MUST BE OBTAINED FROM ALL REQUIRED AGENCIES PRIOR TO
- 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
- 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 ACTION FOR DEALING WITH THE WASTE MATERIAL.
- 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, DEBRIS AND OTHER MATTER
- 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, GRASSED 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.
- 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 OF TREES.
- 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 HELD 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 SAFFTY MEASURES. SHEFTING 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. TH DESIGN ENGINEER 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
- 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 SEWER-COMPACT WITH APPROVED EQUIPMENT
- 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:**

- 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.
- 5. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE 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 COVER IS ESTABLISHED. 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
- 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 THROUGHOUT CONSTRUCTION.

ORDERED BY THE ENGINEER OR SPECIFIED ON PLANS.

9. ALL DISTURBED AREAS SHALL BE PROTECTED FROM EROSION EITHER BY MULCH OR TEMPORARY SEEDING WITHIN 2 WEEKS OF DISTURBANCE.

#### 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 WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED
- 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
- 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.

CONSTRUCTION.

PLAN (SWPPP).

STREETS. PAVED ROADS SHALL BE SPRINKLED WITH WATER.

- 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 REMAIN BY THE ENGINEER.
- 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 FROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE AND MAINTAINED: INCLUDING SILT AND SEDIMENT REMOVAL, UNTIL CONSTRUCTION IS COMPLETED, AREA STABILIZED AND
- 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 BUILDINGS, PIPELINE, PARKING AREAS, DRIVES AND WALKWAYS OR AS MAY BE REQUIRED DUE TO GRADE CHANGES OR RETAINING WALLS.
- 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 ENGINEER, AND ALL OTHER PERTINENT AGENCIES FOR REVIEW.

24. SOIL STABILIZATION METHODS SHALL BE UNDERTAKEN COINCIDENTALLY WITH ALL SITE IMPROVEMENTS

23. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. SEDIMENT

- AND CONTINUE DURING THE CONSTRUCTION ACTIVITY PERIOD. 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

LiRo Engineers, Inc. A LiRo Group Company 516-746-2350[T]



| MADE | APP'D EVISION REVISION

AS BUILT - CHANGES AS NOTED

CONTRACTOR

AS BUILT - NO CHANGES

RECORD DRAWING CERTIFICATION

PROJECT COORDINATOR

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING INFRASTRUCTURE REHABILITATION PHASE 3

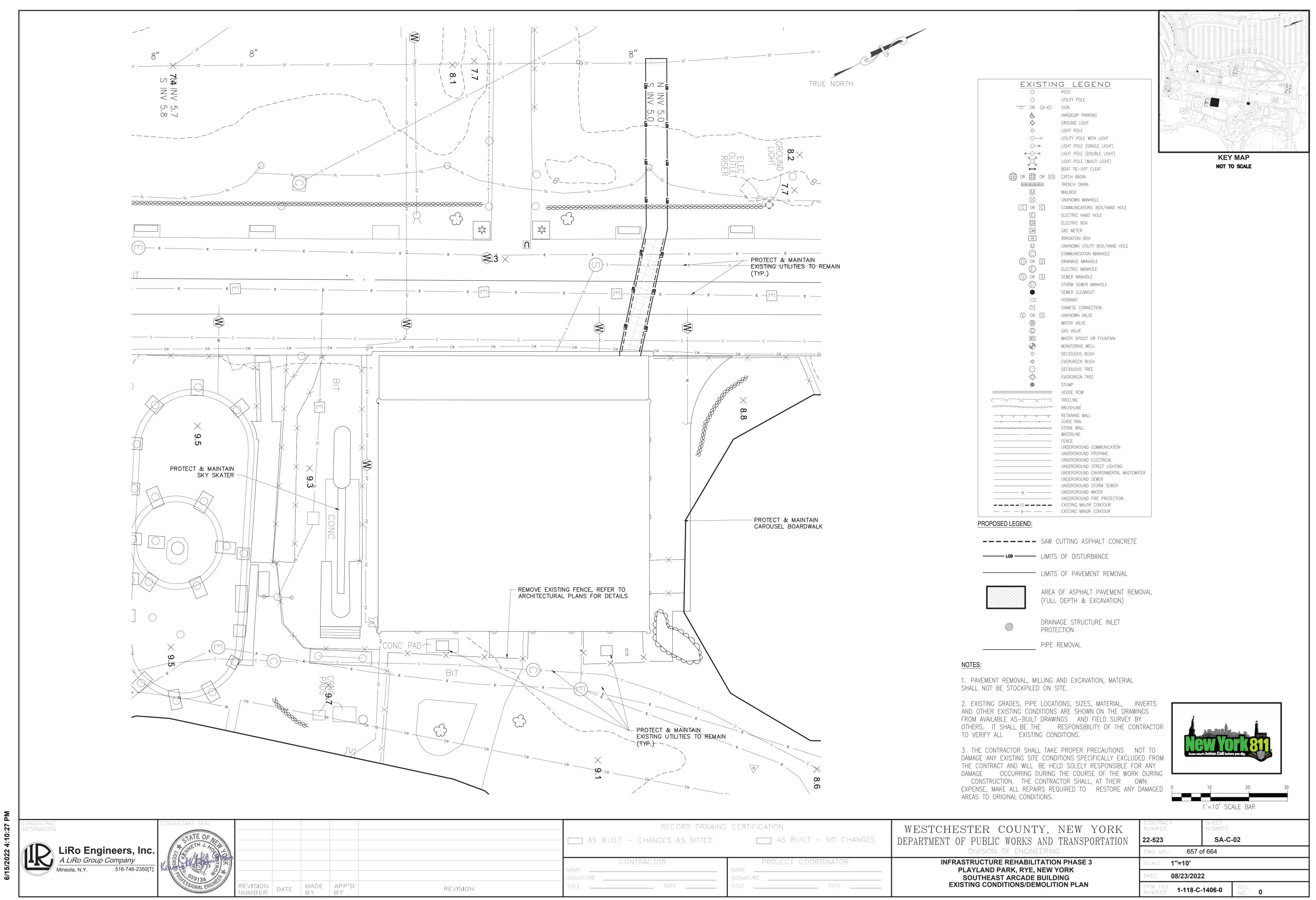
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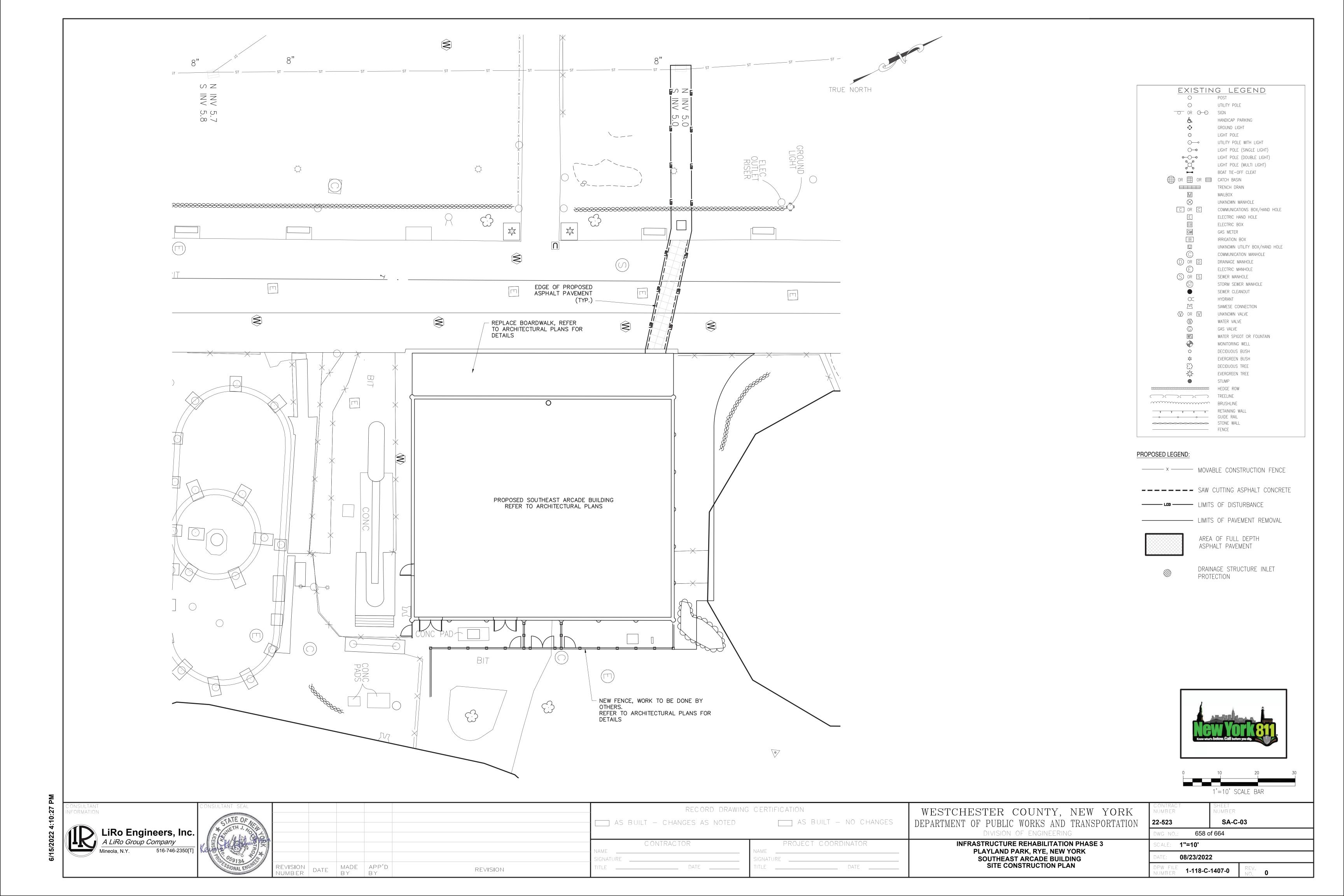
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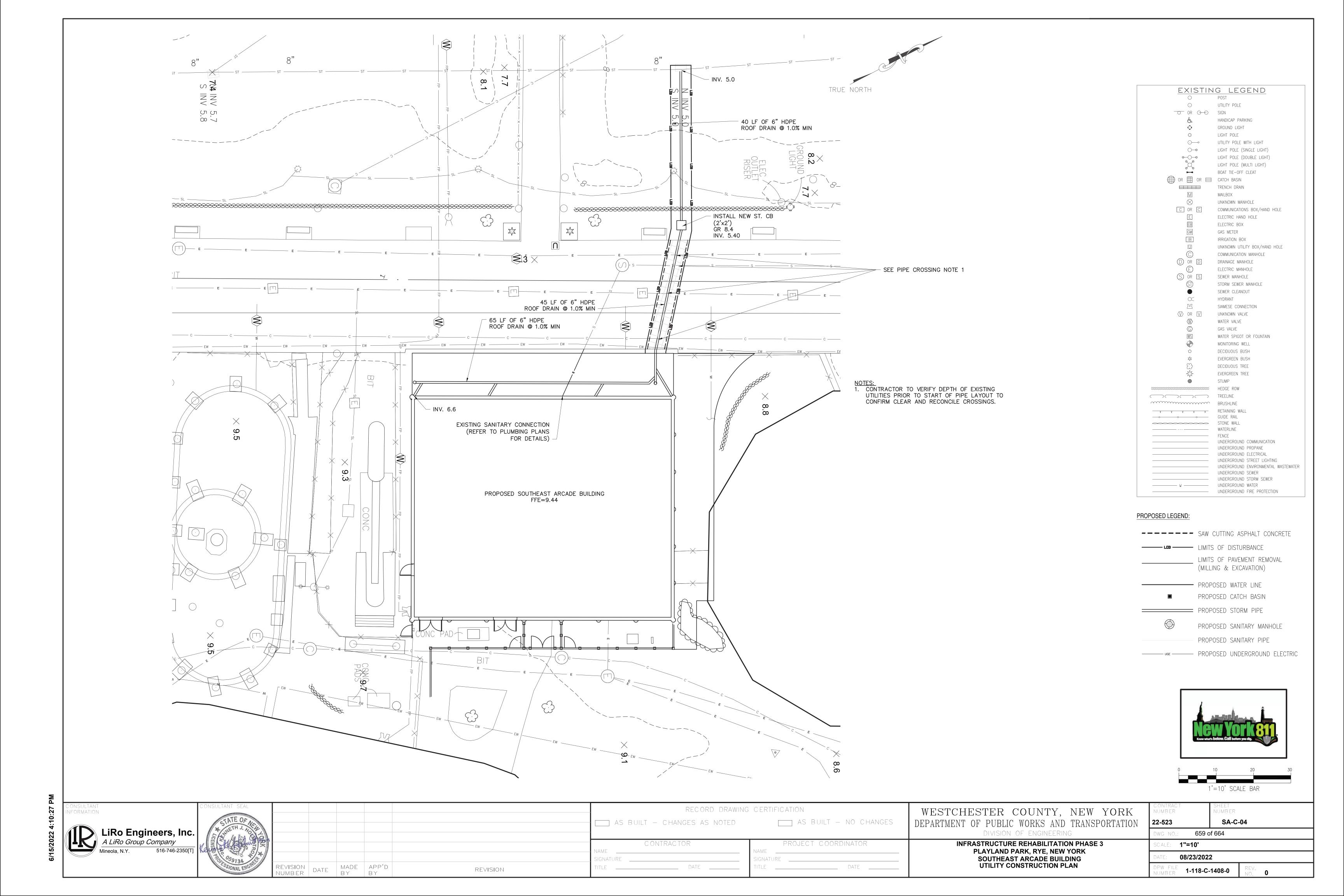
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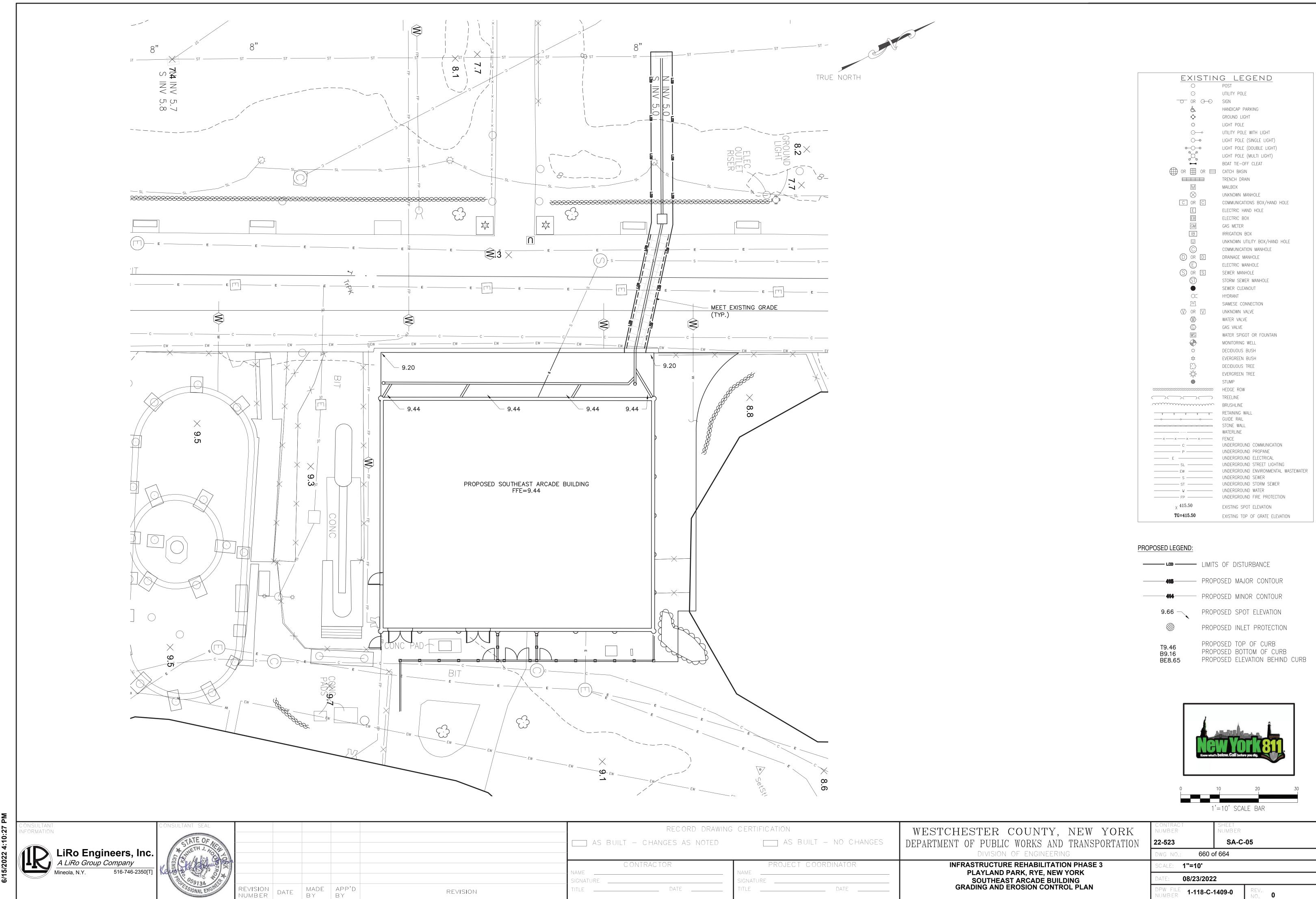
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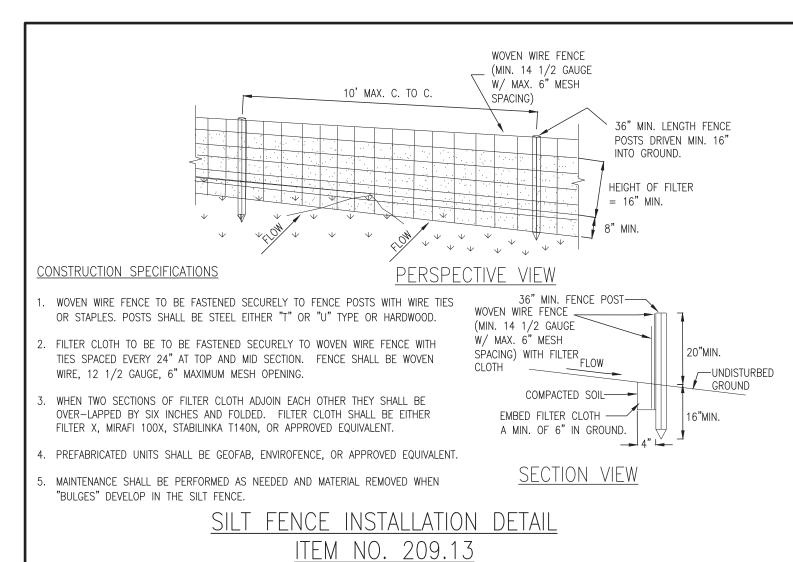
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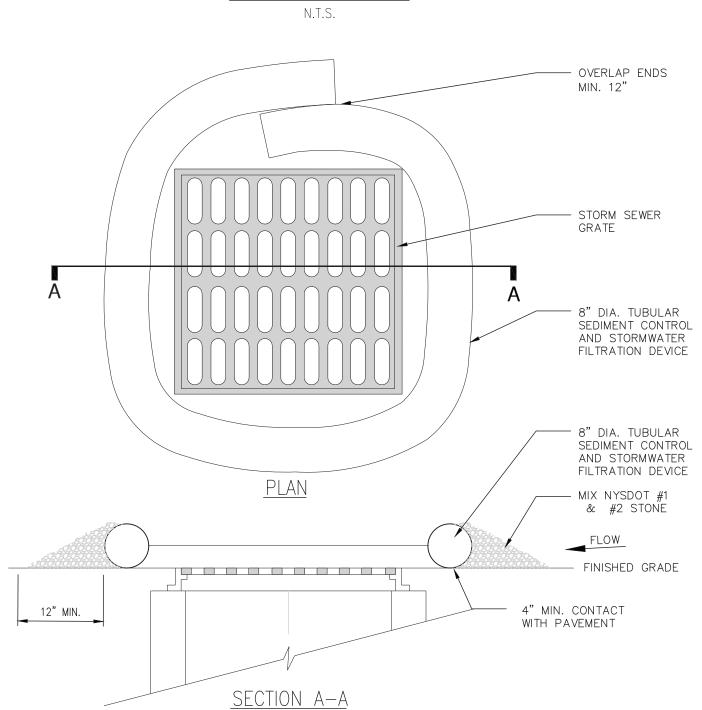












- NOTES: 1. TUBULAR SEDIMENT CONTROL AND STORMWATER FILTRATION DEVICES SHALL BE FILTREXX FILTERSOXX, OR EQUIVALENT.

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.
- 5. 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

#### 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. 1. 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".
- 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
- 9. REMOVE ALL EXCAVATED UNSUITABLE MATERIAL FROM THE SITE AS SOON AS PRACTICABLE. 10. PRACTICE GOOD HOUSEKEEPING AND EDUCATE EMPLOYEES ON POLLUTION PREVENTION MEASURES.

#### 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.
- 4. 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:

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.

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
- 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

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

AFTER FINAL GRADING OF VEGETATED AREAS, PROVIDE PERMANENT SEEDING.

- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED WEEKLY. 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
- AGGREGATE AS NECESSARY. 3. DRAINAGE STRUCTURES AND PIPING SHALL BE CHECKED FOR CLOGGING AND SEDIMENT ACCUMULATION AND CLEANED IF REQUIRED.

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

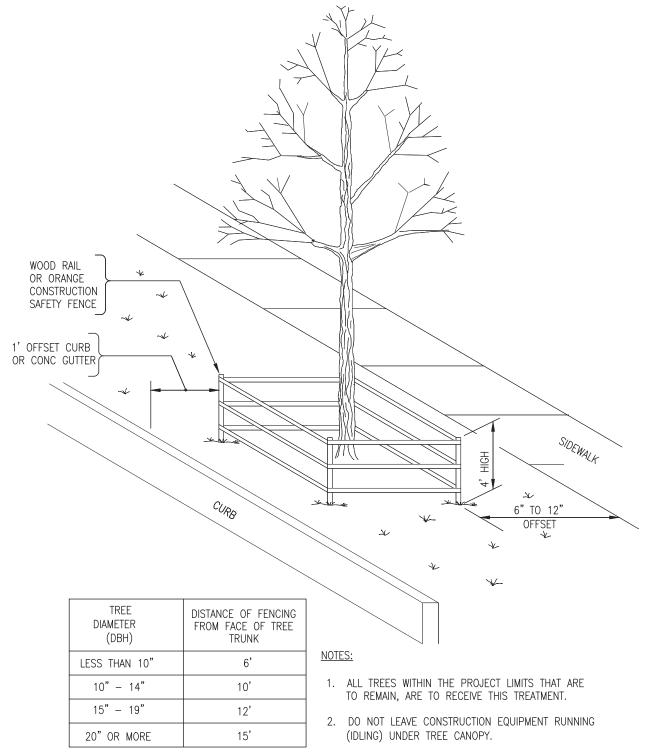
ACCEPTABLE VEGETATION ESTABLISHMENT IN ACCORDANCE WITH SPECIFICATIONS. 2. DRAINAGE STRUCTURES AND PIPING SHALL BE CHECKED FOR CLOGGING AND SEDIMENT ACCUMULATION AND

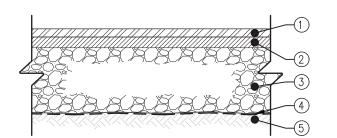
#### MAINTENANCE OF PERMANENT STORMWATER

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





- 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
- 4" SUBBASE COURSE, SUBBASE COURSE, TYPE 2 NYSDOT ITEM 304.12
- (4) GEOTEXTILE SEPARATION NYSDOT ITEM 207.21
- (5) COMPACTED SUBGRADE

#### NOTES:

- 1. 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. 3. IMPRINTED PATTERN SHOWN IS FOR GRAPHICAL REPRESENTATIONS
- ONLY. ALL IMPRINTING/PATTERNING LAYOUTS AND POSITIONING SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO ACTUAL CONSTRUCTION.

ASPHALT PAVEMENT SECTION N.T.S.





REVISION DATE MADE APP'D BY REVISION

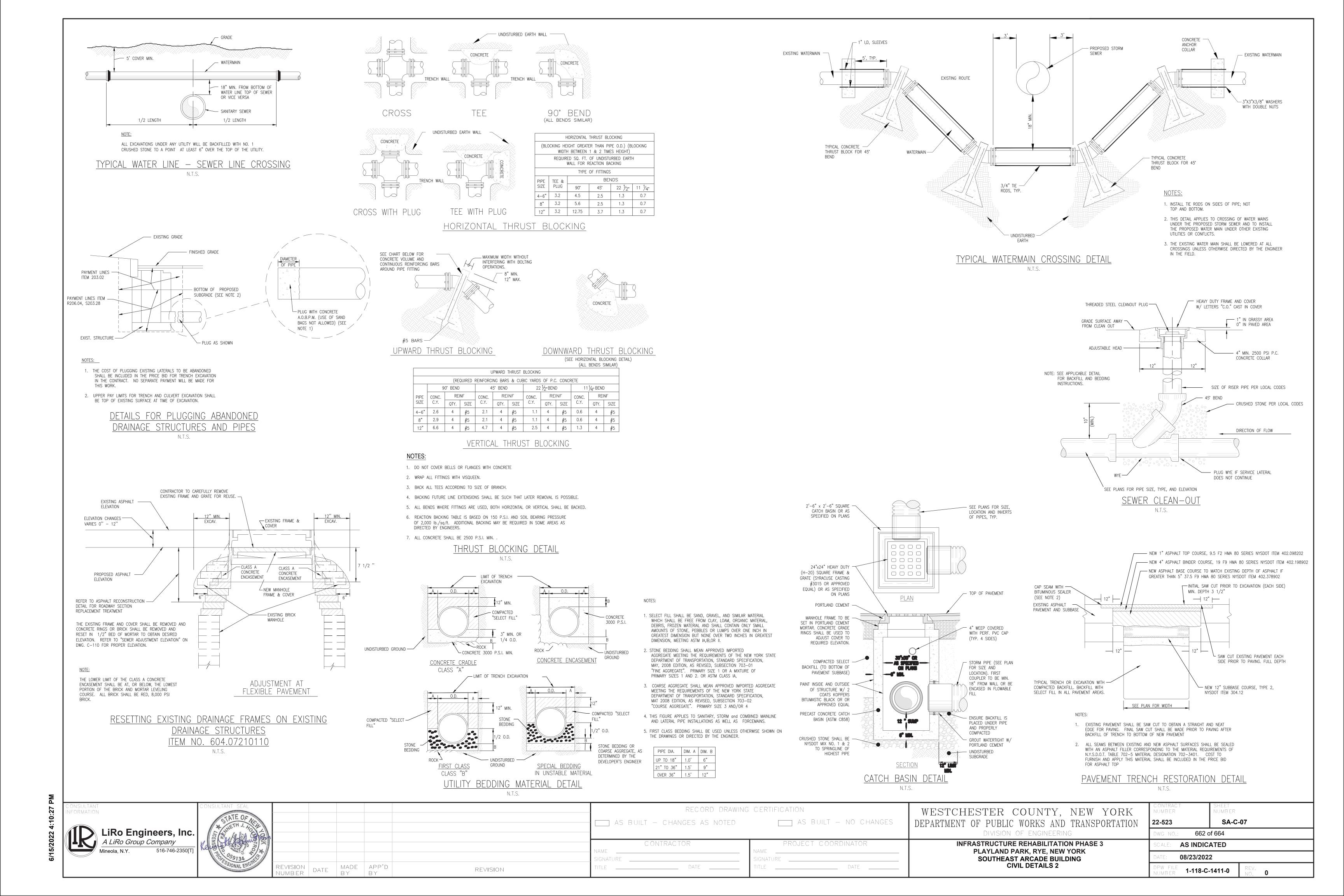
RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED CONTRACTOR

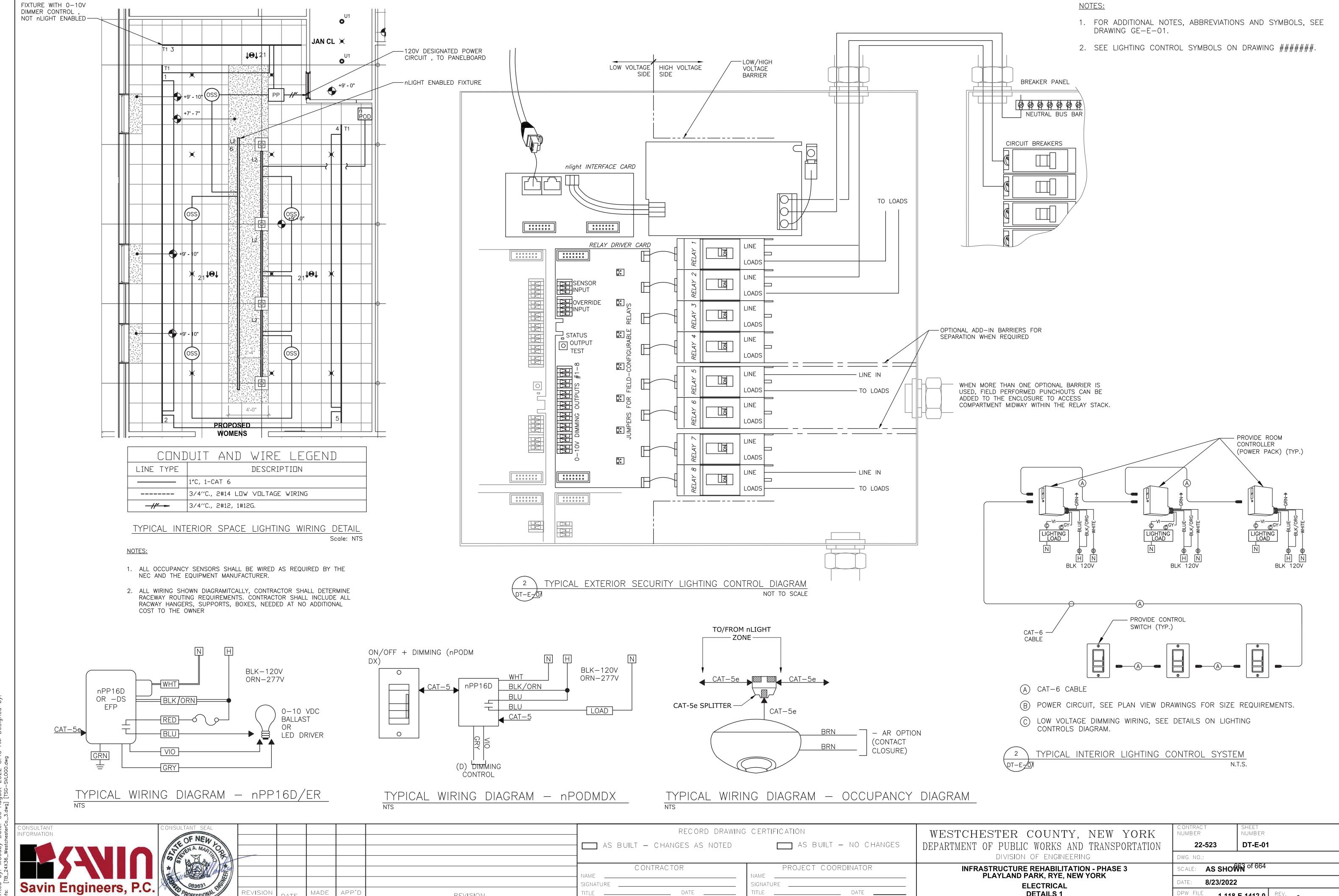
____ AS BUILT - NO CHANGES PROJECT COORDINATOR

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

**INFRASTRUCTURE REHABILITATION PHASE 3** PLAYLAND PARK, RYE, NEW YORK SOUTHEAST ARCADE BUILDING CIVIL DETAILS 1

$\leq$	CONTRACT NUMBER	SHEET NUMBER		
NC	22-523	SA-C	-06	
	DWG NO.: <b>661</b> c	of 664		
	SCALE:			
	DATE: <b>08/23/202</b>	2		
	DPW FILE 1-118-C-	1410-0	REV. No. <b>0</b>	





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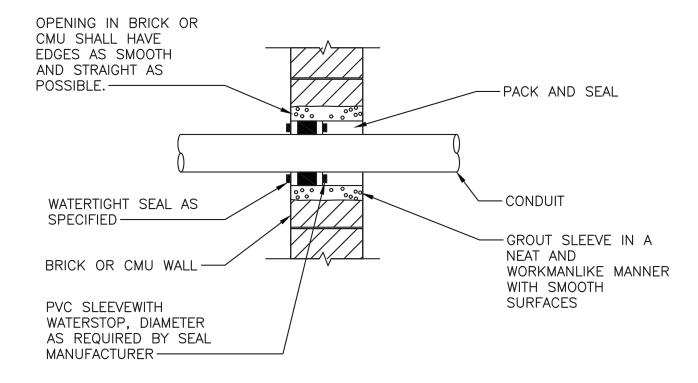
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NUMBER

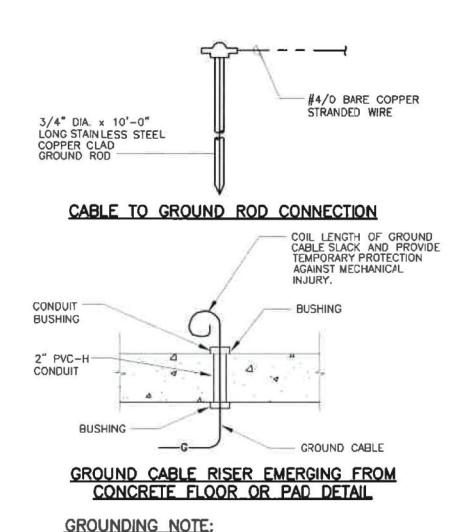
**DETAILS 1** 

1-118-E-1412-0

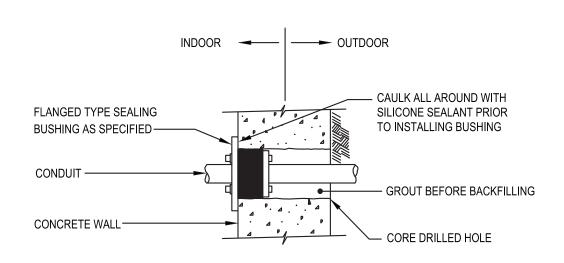
UNDERGROUND ELECTRICAL DUCTBANK DETAIL NTS



WATERTIGHT CONDUIT PENETRATION DETAIL NOT TO SCALE



UNLESS OTHERWISE NOTED, USE EXOTHERMIC WELD CONNECTIONS UNDERGROUND AND ABOVE GROUND.

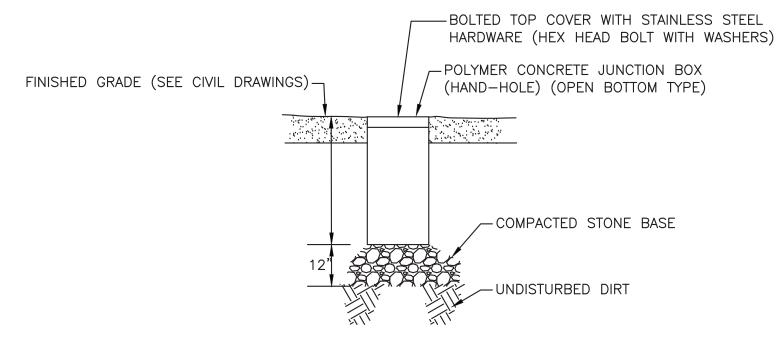


**CONDUIT PENETRATION THRU EXISTING CONCRETE WALL** 

SCALE: N.T.S.

#### TYPICAL GROUNDING DETAILS

SCALE: NTS

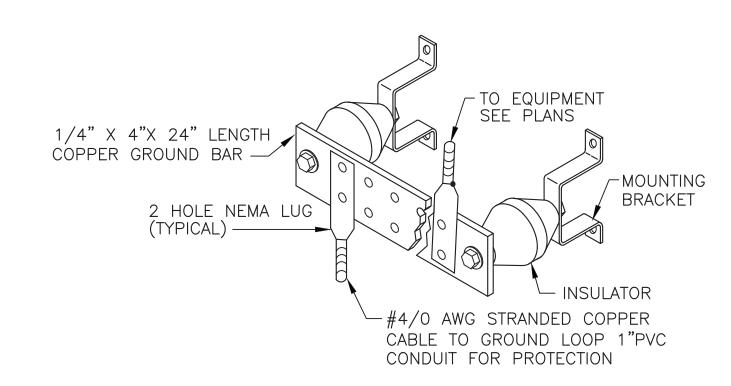


#### INGROUND POLYMER CONCRETE JUNCTION BOX DETAIL

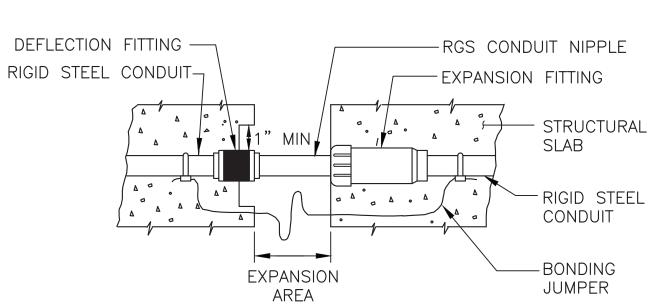
NTS (SIZE JUNCTION BOX AS REQUIRED)

### NOTES:

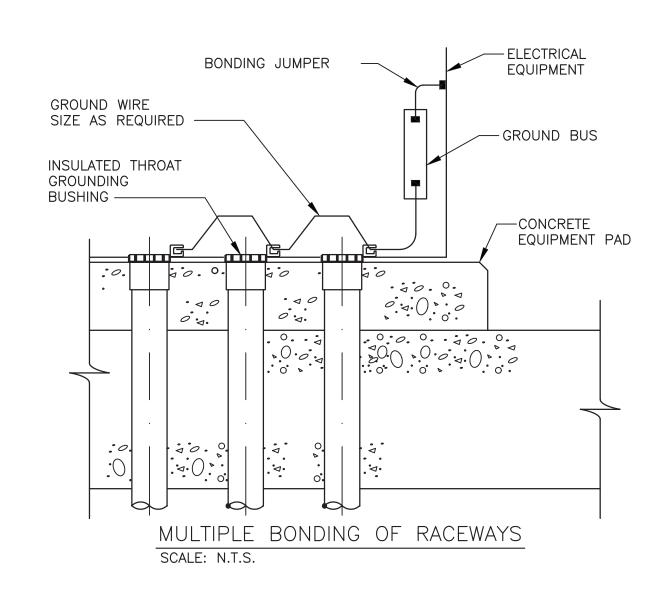
- HAND HOLES SHALL BE UL LISTED BOX VERTICAL DESIGN/TEST LOAD OF 22,500/33,750 POUNDS.THIS INCLUDES BOX BODY, ASSOCIATED COVER SUPPORTING GROUND/STONE.
- PROVIDE BUILT-IN SEGREGRATION BARRIER FOR HH-1.
- ANSI/SCTE 77 TIER 22 BOX WITH TIER 15 COVER (TYP.)

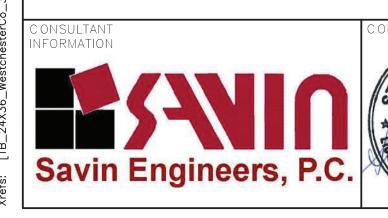


TYPICAL GROUND BAR NTS



COMBINATION EXPANSION—DEFLECTION FITTING





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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	TITLE DATE

RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED

AS BUILT — NO CHANGES

PROJECT COORDINATOR

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING **INFRASTRUCTURE REHABILITATION - PHASE 3** PLAYLAND PARK, RYE, NEW YORK **ELECTRICAL** 

**DETAILS 2** 

WESTCHESTER COUNTY, NEW YORK

CONTRACT NUMBER	SHEET NUMBER			
22-523	DT-E-02	) •		
DWG NO.:				
SCALE: AS SHOW	64 of 664			
DATE: <b>8/23/2022</b>				
DPW FILE NUMBER 1-118-	E-1413-0	REV. NO.	0	