OSSINING UNION FREE SCHOOL DISTRICT

PARK EARLY CHILDHOOD CENTER SECOND FLOOR CLASSROOM ADDITION

SED NO. 66-14-01-03-0-004-024

CONSTRUCTION MANAGER

ARRIS CONTRACTING COMPANY INC 189 SMITH STREET POUGHKEEPSIE, NY 12601 PHONE: 845-473-3600

OWNER

OSSINING UNION FREE SCHOOL DISTRICT 400 EXECUTIVE BOULEVARD OSSINING, NEW YORK 10562 PHONE: 914-941-7700

GENERAL:

A603

A801

A802

A803

ARCHITECT / ENGINEER

50 FRONT STREET, SUITE 202 NEWBURGH, NEW YORK 12550 PHONE: 800-274-9000

DOOR SCHEDULE, DOOR & WINDOW DETAILS

ELECTRICAL EQUIPMENT SCHEDULES

14428.20

PROJECT INFORMATION

OSSINING UNION FREE SCHOOL DISTRICT 2022-2023 CIP

Newburgh, NY 12550

22 EDWARD ST, OSSINING, NY 10562

■ PARK ELEMENTARY SED# 66-14-01-03-0-004-

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

DRAWINGS LIST

Ossining Secot Ru	Foundery Fitness Center 🚫	Ledar Pl
Ossining Secon	La Cuchara CrossFit Ossining	
MACINEEDEL		NORTH
r and Grill (1)	Antonio's Pizzeria 🚻	NORTH
	9	Lincoln Pl
©ssifting 🖹	Broad Ave	
	Broad Ave	Takuma Japanese Restaurant
5		Restaurant S
S S		
Barr Gran		
Sames St.	Cohen's Broad Corner James St	
James St.	Cohen's Broad Corner Kosher Ma	Maurice Ave
		2
	William St William St	Highland Gilbert Park
	Park School	
Montague Bros Auto Body, Inc	# Serious	Gilbert Park
Body, Inc		2
	S Malcolin St	
	Park School	
		- 1
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	Everett Ave	
	S S	Fuller Rd
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Western Fig. 1		
	Nelson Park	
	Madison Ave	
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Sing Sing	Edward Company	A940
Sing Sing Correctional		Aqueduct
Encility	974	

LOCATION MAP

PARK EARLY CHILDHOOD CENTER

22 Edward St, Ossining, NY 10562

GENERAL NOTES

THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PROVISIONS OF NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CODE, AND THE BUILDING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

TITLE SHEET DOOR, WINDOW & FRAME TYPES C001 STAGING PLAN INTERIORS COLOR & FINISH SCHEDULE C002 1001 SCAFFOLDING PLAN INTERIORS DETAILS C100 SITE DEMOLITION PLAN PARTIAL FIRST FLOOR FINISH PLANS- AREA 1 & AREA 2 C200 SITE PLAN PARTIAL SECOND FLOOR FINISH PLAN- AREA 1 PARTIAL FIRST FLOOR PATTERN PLAN- AREA 2 C201 SITE WORK AT TRANSFORMER C300 SITE NOTES PARTIAL SECOND WALL PROTECTION PLAN- AREA SITE DETAILS ABATEMENT: HVAC: AA000 H000 HVAC NOTES AND SYMBOLS ABATEMENT NOTES AA100 FIRST FLOOR- ABATEMENT PLAN H101.1 FIRST FLOOR AREA 1- HVAC DEMOLITION PLAN SECOND FLOOR- ABATEMENT PLAN FIRST FLOOR AREA 2- HVAC DEMOLITION PLAN AA200 H101.2 SECOND FLOOR AREA 1- HVAC DEMOLITION PLAN STRUCTURAL: H103 **ROOF AREA 2- HVAC DEMOLITION PLAN** S200 FOUNDATION PLAN H201.1 FIRST FLOOR AREA 1- HVAC DUCTWORK NEW WORK PLAN S201 2ND FLOOR- FRAMING PLAN H201.2 FIRST FLOOR AREA 2- HVAC DUCTWORK NEW WORK PLAN S202 ROOF- FRAMING PLAN H202 SECOND FLOOR AREA 1- HVAC DUCTWORK NEW WORK PLAN S203 RTU STRUCTURAL MODIFICATIONS H203.1 ROOF AREA1- HVAC NEW WORK PLAN \$400 SECTION DETAILS H203.2 ROOF AREA 2- HVAC NEW WORK PLAN S401 SECTION DETAILS H301 FIRST FLOOR AREA 1- HVAC PIPING NEW WORK PLAN \$402 SECTION DETAILS SECOND FLOOR AREA1- HVAC PIPING NEW WORK PLAN H302 \$403 SECTION DETAILS H500 **HVAC CONTROLS** \$800 SHEET NOTES H501 HVAC CONTROLS \$801 TYPICAL DETAILS H800 **HVAC DETAILS** \$802 TYPICAL DETAILS H801 **HVAC DETAILS** \$803 STRUCTURAL SCHEDULES H900 **HVAC SCHEDULES HVAC SCHEDULES** ARCHITECTURAL: A001 OVERALL FLOOR PLANS PLUMBING: A002 OVERALL FLOOR PLANS P101 PLUMBING DEMOLITION A003 FIRST FLOOR- LIFE SAFETY PLAN P201 1ST & 2ND FLOOR- SANITARY, STORM & VENT PIPING A004 P301 CAFETERIA- LIFE SAFETY PLAN 1ST & 2ND FLOOR- DOMESTIC WATER PIPING A005 P302 SECOND FLOOR- LIFE SAFETY PLAN ROOF PLAN- CAFETERIA WING- GAS PIPING A101 FIRST FLOOR- DEMOLITION PLAN PLUMING DETAILS & SCHEDULES A102 CAFETERIA- DEMOLITION PLAN A103 **ELECTRICAL:** SECOND FLOOR- DEMOLITION PLAN A104 WALL SECTION- EXISTING/ DEMOLITION E000 **ELECTRICAL NOTES AND SYMBOLS** A105 WALL SECTION- EXISTING/ DEMOLITION E001 ELECTRICAL ONE LINE DIAGRAMS A201 FIRST FLOOR- NEW WORK PLAN E002 ELECTRICAL DEMOLITION SITE PLAN A202 CAFETERIA- NEW WORK PLAN E003 ELECTRICAL NEW WORK SITE PLAN A203 SECOND FLOOR- NEW WORK PLAN E004 BOILER ROOM- ELECTRICAL DEMOLITION PLAN A204 ROOF- NEW WORK PLAN E005 BOILER ROOM- ELECTRICAL NEW WORK PLAN A205 CAFETERIA ROOF- NEW WORK PLAN E100 FIRST FLOOR AREA 1- ELECTRICAL DEMOLITION PLAN A301 **EXTERIOR ELEVATIONS** E101 FIRST FLOOR AREA 2- ELECTRICAL DEMOLITION PLAN A302 EXTERIOR ELEVATIONS E102 ROOF AREA 1- ELECTRICAL DEMOLITION PLAN A303 INTERIOR ELEVATIONS E103 ROOF AREA 2- ELECTRICAL DEMOLITION PLAN A401 TYPICAL WALL TYPES E200 FIRST FLOOR AREA 1- ELECTRICAL NEW WORK PLAN A402 E201 WALL SECTIONS- NEW WORK FIRST FLOOR AREA 2- ELECTRICAL NEW WORK PLAN A403 WALL SECTIONS- NEW WORK E202 SECOND FLOOR AREA 1- ELECTRICAL NEW WORK PLAN A404 WALL SECTIONS- NEW WORK E203 ROOF AREA 1- ELECTRICAL NEW WORK PLAN A405 WALL SECTIONS- NEW WORK E204 ROOF AREA 2- ELECTRICAL NEW WORK PLAN A406 WALL SECTIONS- NEW WORK E300 FIRST FLOOR AREA 1- LIGHTING PLAN WALL SECTIONS- NEW WORK A407 E301 FIRST FLOOR AREA 2- LIGHTING PLAN A501 E302 TYPICAL FIXTURE MOUNTING HEIGHT SECOND FLOOR AREA 1- LIGHTING PLAN A601 FIRST FLOOR- REFLECTED CEILING PLANS E400 SECOND FLOOR AREA 1- FIRE PLAN ELECTRICAL DETAILS A602 CAFETERIA- REFLECTED CEILING PLANS E800

SECOND FLOOR- REFLECTED CEILING PLANS

STAIR & ELEVATOR ENLARGED PLAN

ROOF DETAILS

DETAILS

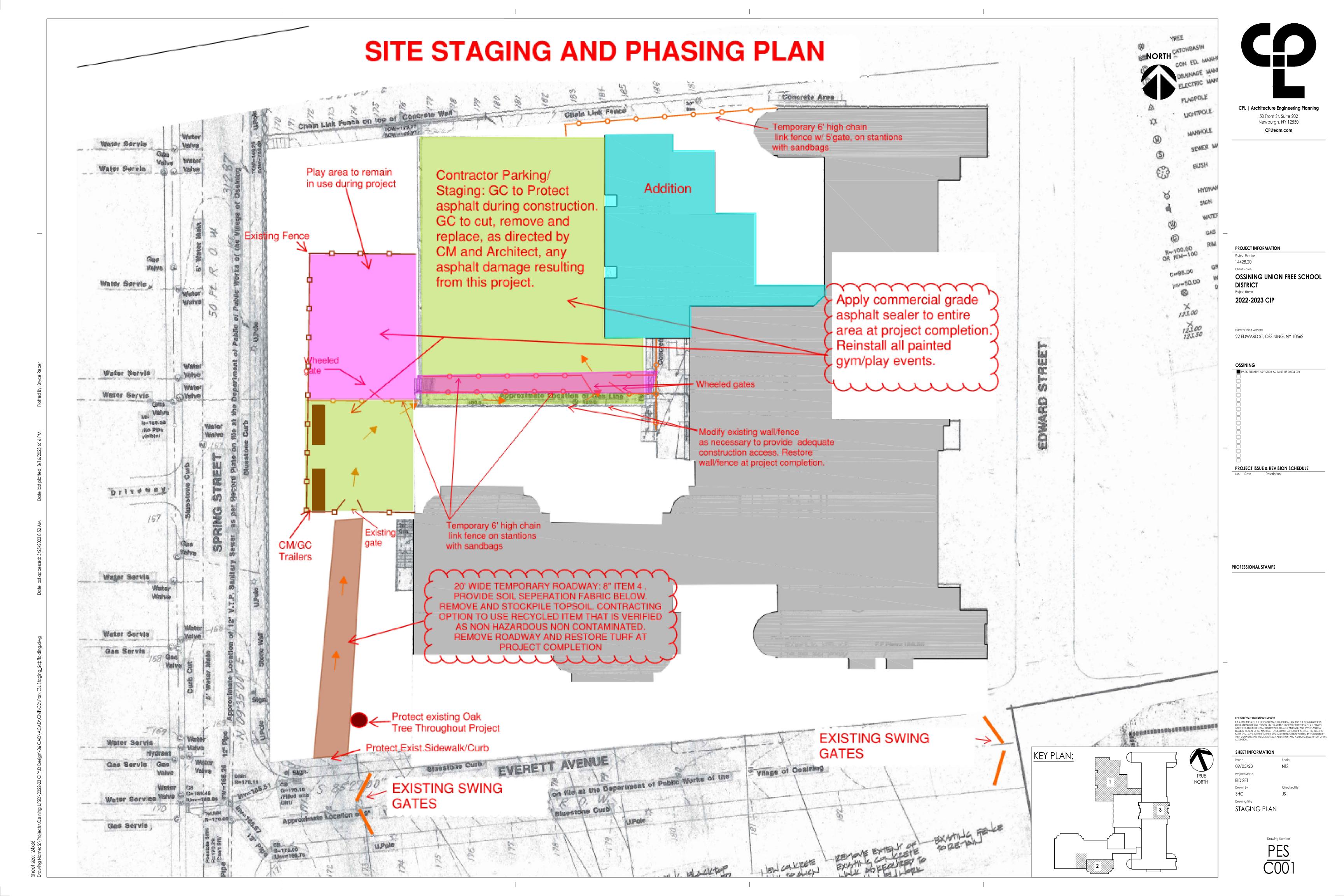
AS INDICATED

SHEET INFORMATION

09/05/23 Project Status **BID SET**

TITLE SHEET

GEN







PROJECT INFORMATION

14428.20

DISTRICT

2022-2023 CIP

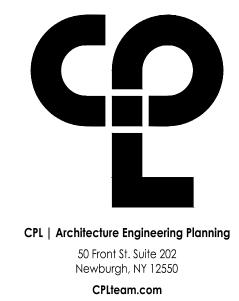
District Office Address 22 EDWARD ST, OSSINING, NY 10562

PROFESSIONAL STAMPS

SHEET INFORMATION 09/05/23

Project Status

CONTRACTOR TO PROTECT EXISTING SURFACES TO REMIAN PROJECT INFORMATION Project Number 14428.20 **DISTRICT** CONTRACTOR TO REMOVE AND DISPOSE
OF ±50 LF OF EXISTING CHAIN LINK
FENCE. CONTRACTOR TO FIELD VERIFY
AMOUNT WITH OWNER PRIOR TO 2022-2023 CIP REMOVAL. District Office Address OSSINING PARK ELEMENTARY SED# 66-14-01-03-0-004-024 REMOVE AND DISPOSE EXISTING STORM DRAINAGE (TYP.) CONTRACTOR TO REMOVE AND DISPOSE EXISTING MANHOLE PROJECT ISSUE & REVISION SCHEDULE PORTION OF EXISTING
PLAYGROUND PERIMETER CURB TO BE SALVAGED - DELIVER EXCESS MATERIAL THAT IS NOT REUSED TO OWNER'S DESIGNATED STORAGE LOCATION CONTRACTOR TO REMOVE AND SALVAGE PLAYGROUND RAMP — REMOVE AND DISPOSE EXISTING EXISTING PLAYSTRUCTURE TO REMAIN UNDISTURBED CONCRETE SIDEWALK — PROFESSIONAL STAMPS PLAYGROUND SAFETY ZONE (~6') PORTION OF EXISTING
PLAYGROUND PERIMETER CURB TO REMAIN UNDISTURBED EXISTING WOOD FIBER SAFETY SURFACE TO REMAIN IN PLACE WITHIN PROPOSED PLAYGROUND FOOTPRINT WHERE POSSIBLE -SALVAGE SURPLUS MATERIAL AND MATERIAL THAT MUST BE REMOVED AND REINSTALLED TO ACCOMMODATE STORM SEWER
CONSTRUCTION - DELIVER UNUSED CONTRACTOR TO LOCATE EXISTING 12" PVC DRAIN LINE. 12" DRAIN TO BE REMOVED AND MATERIAL TO OWNER'S DESIGNATED STORAGE LOCATION DISPOSED UP TO THIS POINT (PROPOSED POINT OF NEW CONNECTION) SHEET INFORMATION KEY PLAN: 09/05/23 1''=5' Project Status TRUE BID SET NORTH Drawn By Checked By SHC Drawing Title SITE DEMOLITION PLAN Drawing Number



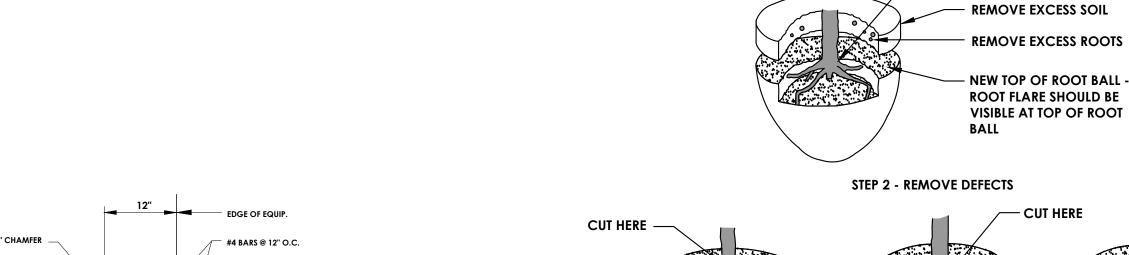
OSSINING UNION FREE SCHOOL

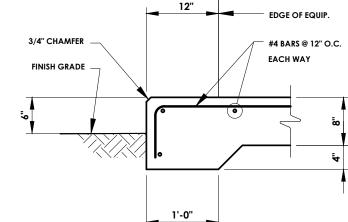
22 EDWARD ST, OSSINING, NY 10562



OSSINING UNION FREE SCHOOL

1" = 10'



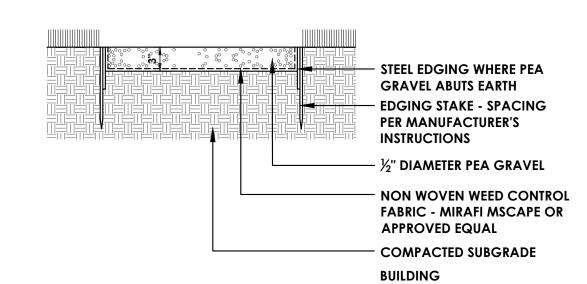


DETAIL NOTES:

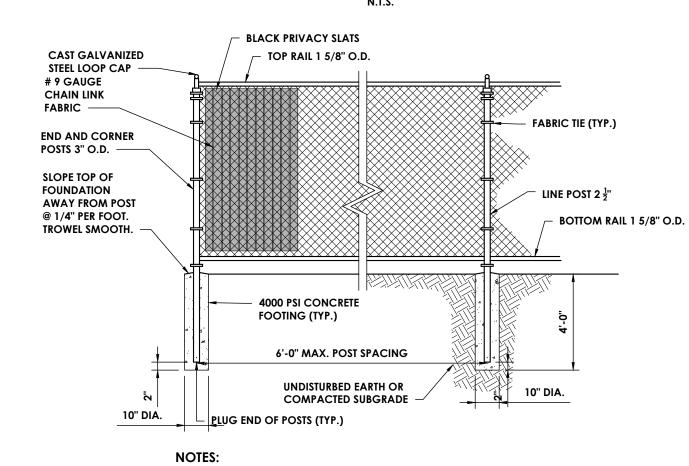
- COORDINATE EQUIPMENT PAD SIZE AND LOCATION WITH MECHANICAL, ELECTRICAL AND EQUIPMENT MANUFACTURER'S DRAWINGS.
- CONCRETE SHALL BE AIR ENTRAINED WITH A 28-DAY COMPRESSIVE STRENGTH OF 5000 PSI.
- VERIFY PAD THICKNESS WITH EQUIPMENT MANUFACTURER FOR ANCHORAGE.

CONCRETE SLAB AT TRANSFORMER

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

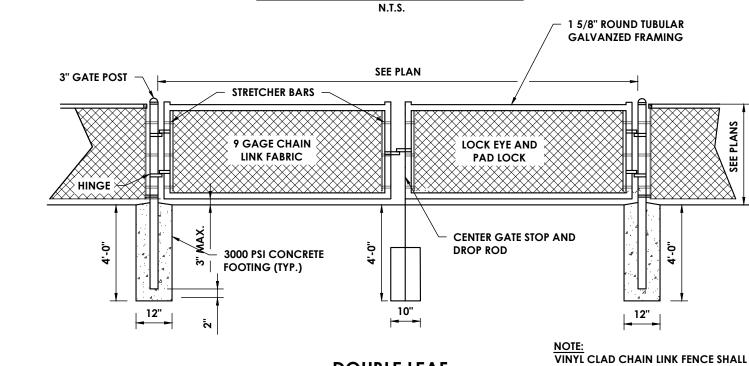


PEA GRAVEL PAVEMENT



1. ALL FENCE MEMBERS ARE TO BE VINYL COATED (BLACK).
2. ALL PANELS INCLUDING GATES ARE TO INCLUDE BLACK PRIVACY SLATS.

6' CHAIN LINK FENCE



DOUBLE LEAF

BE USED WHERE SPECIFIED ON PLANS

6' CHAIN LINK DOUBLE SWING GATE

CUT HERE THEY MAKE AN ABRUPT TURN CUT HERE CUT HERE

STEP 1 - REMOVE SOIL AND ROOTS OVER THE ROOT COLLAR

ROOT COLLAR

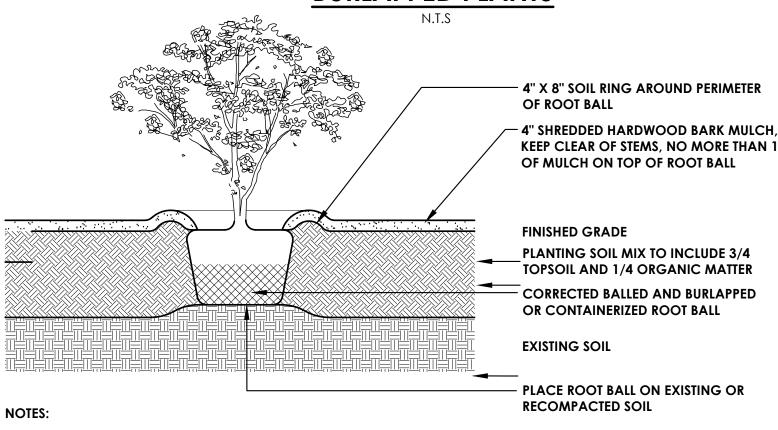
REMOVE STRUCTURAL ROOTS
WHICH EXTEND BEYOND THE
ROOT BALL

REMOVE STRUCTURAL ROOTS DEFLECTED ON ROOT BALL PERIPHERY. SMALL ROOTS (½" OR LESS) AT THE PERIPHERY OF THE ROOT BALL ARE NOT DEFINED AS DEFECTS AND DO NOT NEED TO BE REMOVED.

1. ALL TREES ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.

2. ADJUST HOLE DEPTH TO ACCOUNT FOR THE REMOVAL OF EXCESS SOIL AND ROOTS OVER THE COLLAR AND ACHIEVE APPROPRIATE ELEVATION OF ROOT FLARE.

ROOT CORRECTION FOR BALLED AND BURLAPPED PLANTS

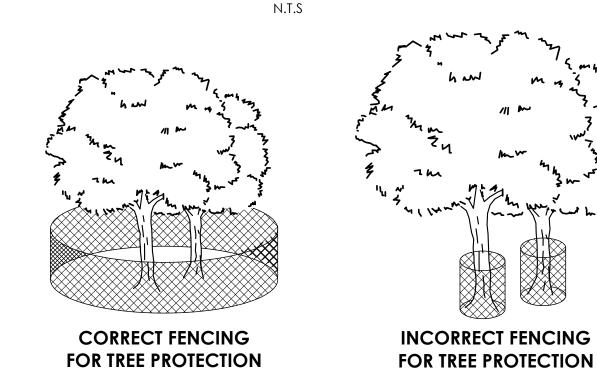


1. DO NOT HEAVILY PRUNE SHRUBS AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

2. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN PLANTING HOLE HAS BEEN BACKFILLED POUR WATER AROUND THE ROOT MASS TO SETTLE THE SOIL.

3. ROOT BALLS OF BOTH CONTAINERIZED AND BALLED AND BURLAPPED PLANTS SHALL BE CORRECTED PRIOR TO PLANTING PER THE ROOT BALL CORRECTION DETAILS.

SHRUB

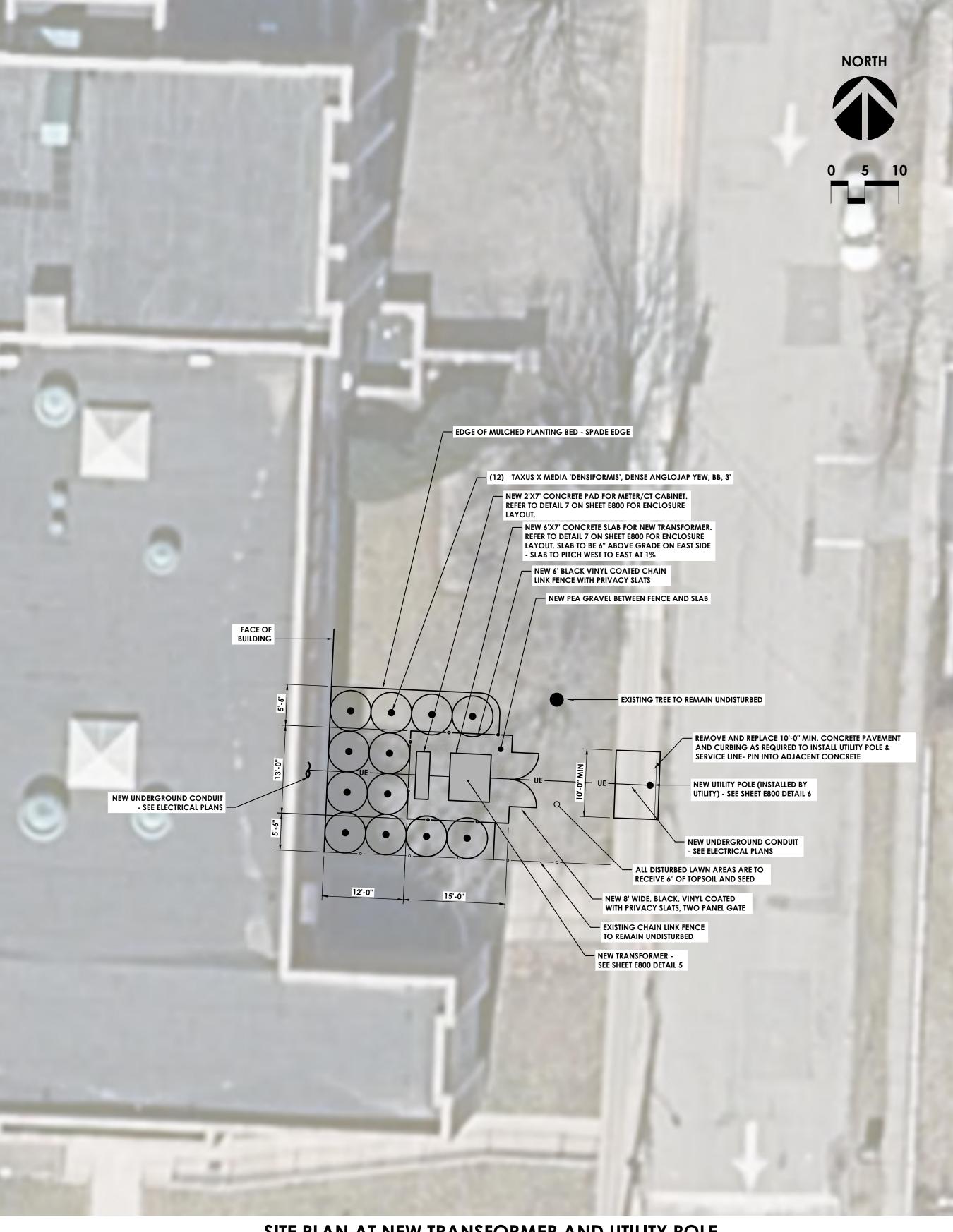


TEMPORARY TREE PROTECTION

NOTE:

1. ADEQUATE FENCING SHALL BE PROVIDED AT TREE DRIP LINE AS INDICATED ABOVE.

2. CONTRACTOR TO USE ORANGE SNOW FENCE AS DEMARCATION OF TREE DRIP LINE

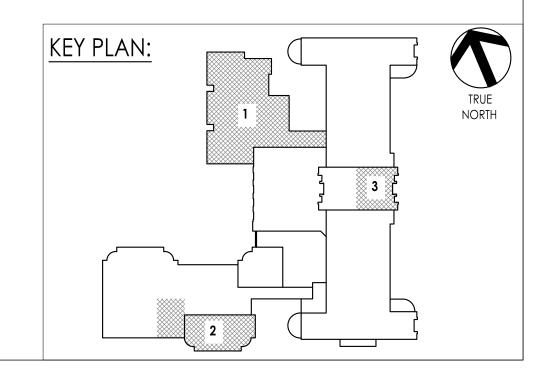


SITE PLAN AT NEW TRANSFORMER AND UTILITY POLE

SCALE: 1" = 10

GENERAL NOTE:

ALL WORK SHOWN ON THIS PAGE TO BE PERFORMED BY THE ELECTRICAL WORK CONTRACTOR



CPL | Architecture Engineering Planning
50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

1 11/21/22 SITE WORK AT NEW TRANSFORMER

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSION OF A LICT ARCHITECT, ENGINEER OR LAND SURVEYOR, TO A LITER AN ITEM IN ANY WAY, IF AN BEARING THE SEAL OF AN ACCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALL PARTY SHALL AFFEX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLL THEIR STANDAM AND ASSECTED OF CONTROL THE DEPORT OF THE THEIR STANDAM AND ASSECTED OF CONTROL THE DEPORT OF THE THEIR STANDAM AND ASSECTED OF CONTROL THE DEPORT OF THE ATTER OF THE OF THE ATTER OF THE AT

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SITE WORK AT TRANSFORMER

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2. DELIVERIES TO BE COORDINATED AROUND THE SCHOOL'S DAILY OPERATIONS AND WITH THE CONSTRUCTION MANAGER.

DEMOLITION NOTES

- 1. PROTECT ALL UTILITIES, EXISTING DEVICES & ROAD SIGNS THAT ARE TO REMAIN.
- 2. STORE ON-SITE AND REUSE PARKING/BUILDING/STREET SIGNS WHEREVER POSSIBLE. REUSED SIGNS TO BE MOUNTED TO NEW SIGN POSTS. PROPERLY DISPOSE OF ALL REMAINING SIGNS AND POSTS THAT WERE NOT REUSED.
- REMOVE & PROPERLY DISPOSE OF ALL TREES, BRUSH & DEBRIS WITHIN LIMITS OF DISTURBANCE AS DESIGNATED (CLEARING AND GRUBBING SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL ORGANIC MATERIAL, INCLUDING STUMPS AND ROOT SYSTEMS UNDER PROPOSED PAVEMENT). ALL TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE.
- 4. REMOVE & STOCK PILE ON SITE ALL TOP SOIL WITHIN AREA OF DISTURBANCE FOR LATER USE. EXCESS TOPSOIL TO BE STOCKPILED AT DESIGNATED LOCATION. THE TOPSOIL PILE LOCATION SHALL BE SURROUNDED WITH SILT FENCE AND SEEDED WITH LAWN GRASS SEED MIXTURE.
- 5. COORDINATE WITH OWNER'S REPRESENTATIVE TO INSPECT GROUND DURING TOPSOIL REMOVAL & CLEARING AND GRUBBING PROCESS. POT HOLES RESULTING FROM TREE ROOT REMOVAL SHALL BE BACKFILLED & COMPACTED WITH STRUCTURAL BACKFILL AS DIRECTED BY OWNER'S
- 6. PROOF ROLL THE NEWLY EXPOSED SUBGRADE IN THE PRESENCE OF OWNER'S REPRESENTATIVE. UNDERCUT UNSUITABLE SUBGRADE AS DIRECTED BY OWNER'S REPRESENTATIVE
- 7. PROTECT TREES, UTILITY POLES, GUY WIRES, POSTS, EDGE OF CONCRETE WALKS & CURB, AND ROOT SYSTEMS TO REMAIN AS NOTED, OR AS REQUIRED, FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE AS NECESSARY ANY ITEM DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- B. CONTRACTOR TO TAKE PRECAUTIONS TO PROTECT EXISTING ROOTS DURING CONSTRUCTION. ROOTS SHALL BE CLEAN CUT AS DIRECTED BY
- ALL UNDERGROUND UTILITIES AND THEIR LOCATION SHOWN HEREON ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING UTILITIES AND VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO EXISTING UTILITIES IF DAMAGED BY WORK.
- 10. IF REQUIRED ADJUST ELEVATIONS OF ALL BURIED UTILITY LINES, UNITS & DEVICES TO PROVIDE MINIMUM REQUIRED COVER FOR FINISHED GRADE ELEVATIONS (COORDINATE WITH UTILITY PROVIDERS).
- 11. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED & MAINTAINED THROUGHOUT TIME OF CONSTRUCTION.
- 12. CONTRACTOR TO COORDINATE ALL WORK DONE RELATED TO UTILITY POLES AND OVERHEAD LINES WITH UTILITY PROVIDERS.
- 13. CONTRACTOR SHALL REMOVE ALL EXISTING UNDERGROUND UTILITIES DESIGNATED, AND FILL EXCAVATION AREA WITH STRUCTURAL FILL AND COMPACTED IN 6" LIFTS.
- 14. CONTRACTOR TO ADJUST UTILITY STRUCTURES, COVERS, OR OTHER SURFACE FEATURES AS NEEDED TO FINISH GRADES.
- 11. CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL TREES, FENCES AND OTHER OBSTACLES WITHIN THE ROW AND EASEMENT. 12. CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED TREE EXPERT TO REMOVE, WHERE NECESSARY, BRANCHES WHICH INTERFERE WITH THE CONSTRUCTION OPERATIONS, OR REPAIR TREES HAVING SUFFERED DAMAGE BY CONSTRUCTION ACTIVITIES. COST TO BE INCLUDED IN
- 13. THE CONTRACTOR SHALL LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS AND PROPERTY CORNER MARKERS. THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

CONCRETE WASHOUT FACILITY NOTES:

CONDITIONS WHERE PRACTICE APPLIES:

WASHOUT FACILITIES SHALL BE PROVIDED FOR EVERY PROJECT WHERE CONCRETE WILL BE POURED OR OTHERWISE FORMED ON THE SITE. THIS FACILITY WILL RECEIVE HIGHLY ALKALINE WASH WATER FROM THE CLEANING OF CHUTES, MIXERS, HOPPERS, VIBRATORS, PLACING EQUIPMENT, TROWELS, AND SCREEDS. UNDER NO CIRCUMSTANCES WILL WASH WATER FROM THESE OPERATIONS BE ALLOWED TO INFILTRATE INTO THE SOIL OR ENTER SURFACE WATERS.

THE WASHOUT FACILITY SHOULD BE SIZED TO CONTAIN SOLIDS, WASH WATER, AND RAINFALL AND SIZED TO ALLOW FOR THE EVAPORATION OF THE WASH WATER AND RAINFALL. WASH WATER SHALL BE ESTIMATED AT 7 GALLONS PER CHUTE AND 50 GALLONS PER HOPPER OF THE CONCRETE PUMP TRUCK AND/OR DISCHARGING DRUM. THE MINIMUM SIZE SHALL BE 8 FEET BY 8 FEET AT THE BOTTOM AND 2 FEET IF EXCAVATED, THE SIDE SLOPES SHALL BE 2 HORIZONTAL TO 1 VERTICAL.

LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD. PROVIDE APPROPRIATE ACCESS WITH A GRAVEL ACCESS ROAD SLOPED DOWN TO THE STRUCTURE. SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.

ALL WASHOUT FACILITIES WILL BE LINED TO PREVENT LEACHING OF LIQUIDS INTO THE GROUND. THE LINER SHALL BE PLASTIC SHEETING WITH A MINIMUM THICKNESS OF 10 MILS WITH NO HOLES OR TEARS, AND ANCHORED BEYOND THE TOP OF THE PIT WITH AN EARTHEN BERM, SAND BAGS, STONE, OR OTHER STRUCTURAL APPURTENANCE EXCEPT AT THE ACCESS POINT, IF PRE-FABRICATED WASHOUTS ARE USED THEY MUST ENSURE THE CAPTURE AND CONTAINMENT OF THE CONCRETE WASH AND BE SIZED BASED ON THE EXPECTED FREQUENCY OF CONCRETE POURS. THEY SHALL BE SITED AS NOTED IN THE LOCATION CRITERIA.

MAINTENANCE:

- 1. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY, DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
- 2. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF SITE.
- 3. DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN A CONSTRUCTION/DEMOLITION LANDFILL. 4. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
- 5. INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED

SIDEWALK NOTES

- THE DIMENSIONS AND SLOPE PRESENTED IN THE DETAILS ARE THE MINIMUM NECESSARY TO COMPLY WITH THE ADA AND NYSDOT STANDARDS. ANY DEVIATION LESS THAN THE MINIMUM WIDTH OR GREATER THAN THE MAXIMUM SLOPE FROM THESE STANDARDS MUST BE DOCUMENTED WITH THE STANDARDS BEING MET TO THE GREATEST EXTENT PRACTICABLE AND CONSISTENT WITH THE MOST
- THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
- CURB RAMPS, LANDINGS AND BLENDED TRANSITIONS MAY REQUIRE THE USE OF DETECTABLE WARNINGS. DETECTABLE WARNINGS SHOWN FOR ILLUSTRATION ONLY. REFER TO THE DETECTABLE WARNING DETAILS FOR DETAILS ON PLACEMENT, ORIENTATION & DIMENSIONS. REFER TO CHAPTER 18 OF THE HIGHWAY DESIGN MANUAL FOR MORE INFORMATION.
- THE CONFIGURATIONS SHOWN GENERICALLY REPRESENT THE MOST COMMON SITUATIONS ENCOUNTERED. THEY ARE INTENDED TO PRESENT CURB RAMP DESIGN CONCEPTS. SITE CONDITIONS AT INDIVIDUAL LOCATIONS REQUIRE SPECIFIC DESIGNS.
- COORDINATE TRAFFIC CONTROL DEVICES, UTILITY LOCATIONS, SIGNS, STREET FURNITURE AND DRAINAGE TO ENSURE A CONTINUOUS PEDESTRIAN ACCESS ROUTE AT ALL CURB RAMP LOCATIONS. GUIDANCE FOR CROSSWALK MARKINGS AND TRAFFIC CONTROL DEVICES IS PROVIDED IN THE MUTCD.
- GRATES SHALL NOT BE LOCATED ON CURB RAMPS, BLENDED TRANSITIONS OR LANDINGS. ACCESS TO COVERS OF SIMILAR SURFACES SHALL COMPLY WITH APPLICABLE SURFACE REQUIREMENTS.
- UTILITIES, SIGNS AND OTHER FIXED OBJECTS MAY NOT BE PLACED ON A CURB, OR IN A MANNER THAT INTERFERES WITH THE USE OF THE CURB RAMP.
- THE SURFACE OF ALL CURB RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE SHALL BE PROVIDED ON CONCRETE RAMP SURFACES, EXCLUSIVE OF THE DETECTABLE WARNING FIELDS.

SEDIMENT AND EROSION CONTROL NOTES

- 1. PURSUANT TO SECTION 402 OF THE CLEAN WATER ACT. STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES TO WATERS OF THE UNITED STATES ARE UNLAWFUL UNLESS THEY ARE AUTHORIZED BY NEW YORK'S SPDES (STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM) GENERAL PERMIT
- FOR STORMWATER DISCHARGES. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SWPPP AND THE REQUIREMENTS OF THE GENERAL PERMIT. THE SITE CONTRACTOR AND ALL SUBCONTRACTORS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES ARE REQUIRED TO SIGN A CERTIFICATION STATEMENT PRIOR TO UNDERTAKING ANY CONSTRUCTION ACTIVITY ON SITE AND MUST AGREE TO IMPLEMENT ALL APPLICABLE PROVISIONS OF THE SWPPP. ANY PERMIT NONCOMPLIANCE CONSTITUTES A VIOLATION OF THE CLEAN WATER ACT AND THE ENVIRONMENTAL CONSERVATION LAW AND IS GROUNDS FOR AN ENFORCEMENT ACTION.
- 3. THE SITE CONTRACTOR SHALL COMPLY WITH ALL GENERAL NOTES FOR THE NEW YORK STATE DEPARTMENT OF THE ENVIRONMENTAL CONSERVATION, **SECTION 401 WATER QUALITY CERTIFICATION**
- 4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITHNYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK) LATEST EDITION, THE SWPPP, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED SEQUENCING OF WORK TO THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO START OF WORK. CONTRACT PLANS INDICATE THE SUGGESTED MINIMUM MEASURES REQUIRED.
- SEDIMENT FROM THE SITE SHALL BE PREVENTED FROM DISCHARGING TO ANY SURFACE WATER OR STORMWATER PIPING SYSTEM BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
- 6. ALL SLOPES GREATER THAN 1:4 SHALL BE STABILIZED WITH JUTE MESH

USE COMPOST FILTER SOCK IN PLACE OF FILTER FABRIC IN PAVED AREAS.

- CONTRACTOR SHALL APPOINT A PERSON TO BE RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES. THIS PERSON SHALL BE TRAINED IN ACCORDANCE WITH NYSDEC REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL ACTIVITIES.
- 8. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH DETAIL. COORDINATE LOCATION WITH OWNER PRIOR TO ANY ON-SITE
- 9. PROVIDE AND MAINTAIN INLET PROTECTION ON ALL EXISTING AND NEW CATCH BASINS, MANHOLES AND INLETS UNTIL DRAINAGE AREAS ARE STABILIZED.
- 10. PROVIDE AND MAINTAIN SILT FENCE AROUND PERIMETER OF ALL WORK AREAS, EXCAVATED SOIL STOCKPILES, AND BETWEEN DISTURBED AREAS AND DRAINAGE WAYS OR WATER BODIES. COORDINATE LOCATIONS WITH OWNER AS WORK PROGRESSES AND AREAS ARE STABILIZED. SILT FENCE TO BE
- INSTALLED AND ENTRENCHED (MIN 6" BELOW GROUND ELEVATION). SILT SOCK MAY USED ON PAVED OR GRAVEL AREAS. 11. ALL EXPOSED SUBGRADE AREAS INTENDED FOR PAVEMENT SHALL BE STABILIZED WITH SUBBASE STONE WITHIN THREE (3) DAYS OF EXCAVATION / PAVEMENT
- 12. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE ACTIVITIES, INCLUDING GRADING OR FILLING OPERATIONS AND
- INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. 13. CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR

EFFECTIVE EROSION CONTROL. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED

- 14. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION IS COMPLETED AND THE WORK AREAS ARE STABILIZED.
- 15. CONSTRUCT TEMPORARY SILT FENCING ALONG BOTTOM EDGE OF ALL SLOPES AND/OR AS SHOWN, AS DESIGNATED, OR AS DIRECTED BY OWNERS
- 16. CONSTRUCT TEMPORARY STONE CHECK DAMS ALONG DITCH LINES AS SPECIFIED AND/OR AS SHOWN, AS DESIGNATED, OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 17. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSPECTED AND MAINTAINED WEEKLY. CONTRACTOR SHALL KEEP ON FILE A RECORD OF THE REQUIRED INSPECTION REPORTS
- 18. ALL DISTURBED AREAS, EXPOSED SLOPES AND SWALES SHALL BE VEGETATED (TEMPORARY SEEDED) WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF
- 19. JUTE MESH OR OTHER STABILIZATION FABRIC SHALL BE APPLIED TO ANY SLOPES GREATER THAN 1V:4H IMMEDIATELY UPON COMPLETION OF GRADING
- ACTIVITIES. MESH OR OTHER MEASURE SHALL BE ADEQUATELY SECURED.
- 20. TEMPORARY SEEDING SHALL BE SEEDED RYE GRASS AT A RATE OF FIVE (5) LBS PER 1,000 SQUARE FEET OF AREA. CONTINUALLY REAPPLY TEMPORARY SEEDING AT FIRST SIGN OF EROSION OR DETERIORATION OF THE SURFACE GRADE.
- 21. PERMANENT GROUND COVER SHALL BE INSTALLED ON ALL DISTURBED AREAS WITHIN 5 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
- 22. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED COMPLETELY UPON FINAL STABILIZATION. COORDINATE TIMING OF REMOVAL WITH
- 23. CONTRACTOR SHALL FLUSH CLEAN ALL EXISTING AND NEW STORM PIPING WITHIN PROJECT LIMITS AFTER FINAL STABILIZATION IS COMPLETE.
- 24. WALKWAYS TO BE KEPT FREE AND CLEAR OR DEBRIS, REFUSE AND SILT AT ALL TIMES.

ANY PHASE OF GRADING.

- 25. DEBRIS, VEGETATION AND OTHER SPOILS REMOVED AS PART OF THE CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF AT UPLAND LOCATIONS ABOVE THE REACH OF HIGH WATER AND IN ACCORDANCE WITH LOCAL LAWS AND REGULATIONS. SEDIMENT DISPOSSAL IN WATER BODY, WETLANDS, FLOODWAYS OR THE 100-YEAR FLOODPLAIN IS STRICTLY PROHIBITED.
- 26. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO ANY WETLANDS OR WATERS OF NEW YORK STATE NOR SHALL WASHINGS FROM READY-MIX CONCRETE TRUCKS MIXERS OR OTHER DEVICES RE ALLOWED TO ENTER ANY WELLAND OR WATERS ONLY WATERTIGHT OR WATERPROOF FORMS SHALL BE USED. WET CONCRETE SHALL NOT BE POURED TO DISPLACE WATER WITHIN THE FORMS.
- 27. CONTRACTOR TO CONSTRUCT A TEMPORARY CONCRETE WASHOUT AREA ADJACENT TO EACH WORK AREA ENTRANCE
- 28. THE CONTROL OF DUST ORIGINATING FROM THE CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S DUST CONTROL EFFORTS. WORK MAY BE SUSPENDED BY THE ENGINEER UNTIL ADEQUATE DUST CONTROL IS ATTAINED.

TOPSOIL AND SEEDING NOTES:

1. PROVIDE FRESH, CLEAN, NEW SEED COMPLYING WITH ESTABLISHED TOLERANCES FOR GERMINATION AND PURITY IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE RULES AND REGULATIONS UNDER THE LATEST EDITION OF THE FEDERAL SEED ACT. SEED SHALL BE MIXED BY THE DEALER AND SHALL BE DELIVERED TO THE SITE IN SEALED CONTAINERS WHICH SHALL BEAR THE DEALER'S GUARANTEE ANALYSIS.

FOR TEMPORARY SEEDING - OR - AREAS THAT WILL NOT BE MAINTAINED:

RAPIDLY GERMINATING ANNUAL RYEGRASS: 30 LBS PER ACRE PERENNIAL

100 LBS PER ACRE CEREAL RYE: 30 LBS PER ACRE

FOR USE ON LAWN AREAS (AREAS TO BE MAINTAINED)

ALTERNATE A (SUNNY SITE

65% KENTUCKY BLUE GRASS BLEND: 85-114 LBS PER ACRE 20% PERENNIAL RYEGRASS: 26-35 LBS PER ACRE 15% FINE FESCUE: 19-26 LBS PER ACRE

130-175 LBS PER ACRE **ALTERNATE B (SHADY SITE**

80% KENTUCKY BLUE GRASS BLEND*: 105-138 LBS PER ACRE 20% PERENNIAL RYEGRASS: 25-37 LBS PER ACRE 130-175 LBS PER ACRE * SHADE TOLERANI

- 3. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDRO SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDRO-SEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDRO-SEEDING.
- 4. MULCH SEEDED AREAS WITH STRAW MULCH (2000 LBS PER ACRE).
- 5. IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.
- 6. SEED BETWEEN APRIL 1ST AND MAY 15TH OR AUGUST 15TH AND OCTOBER 15TH. SEEDING MAY OCCUR BETWEEN MAY 15TH AND AUGUST 15TH IF ADEQUATE IRRIGATION IS PROVIDED.
- 1. TOPSOIL SHALL BE DISTURBED TO A UNIFORM DEPTH OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTIALLY FROZEN, MUDDY OR ON FROZEN SLOPES OVER ICE, SNOW OR STANDING WATER.
- 2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED AND
- 3. APPLY TOPSOIL IN THE FOLLOWING AMOUNTS FOR INTENDED USE:

STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

MOWED LAWN: 4-8 INCHES 2-4 INCHES

- UNMOWED AREA: 4. COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.
- 5. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.

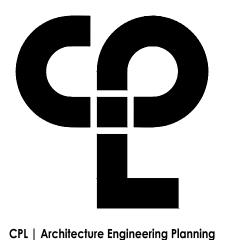
TOPSOIL MATERIAL NOTES:

TOPSOIL APPLICATION NOTES:

THE FURNISHINGS OF NEW TOPSOIL SHALL BE OF A BETTER OR EQUAL QUALITY OF THE EXISTING ADJACENT TOPSOIL

- TOPSOIL SHALL HAVE AT LEAST 2%, BUT NOT MORE THAN 6% BY WEIGHT OF FINE TEXTURED STABLE ORGANIC
- TOPSOIL SHALL HAVE NOT LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT
- TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1" DIAMETER, THRASH, NOXIOUS WEEDS, AND WILL HAVE
- LESS THAN 10% GRAVEL BY VOLUME. INSPECTION & MAINTENANCE NOTES:
- 1. TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY
- 2. TEMPORARY SEEDINGS SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM. (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.)
- 3. ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE APPLIED
- 4. AERATE COMPACTED OR HEAVY USED AREAS, ANNUALLY AS SOON AS THE SOIL MOISTURE CONDITIONS PERMIT. AERATE AREA 6 TO 8 TIMES USING A SPOON HOLLOW TINE TYPE AERATION. DO NOT USE SPIKE EQUIPMENT.
- 5. RESEED BARE AND THIN AREAS ANNUALLY WITH ORIGINAL SPECIES.

6. SOIL SHALL MAINTAIN A pH OF 6.0-7.0.



Newburgh, NY 12550

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PROJECT INFORMATION

14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-02

PROJECT ISSUE & REVISION SCHEDULE

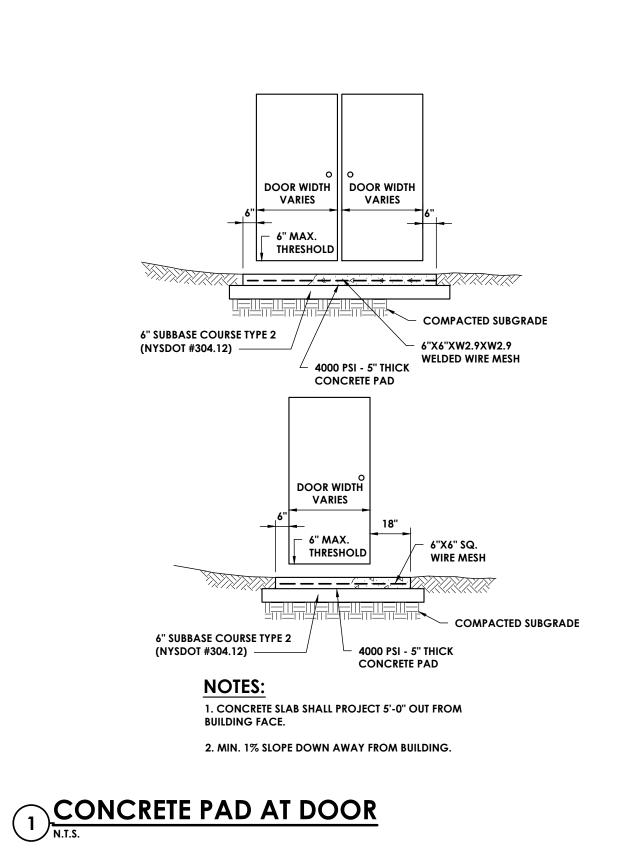
PROFESSIONAL STAMPS

AS NOTED

Checked By

SHEET INFORMATION 09/05/23 Proiect Status **BID SET** Drawn By SHC Drawing Title GENERAL NOTES

KEY PLAN: TRUE NORTH



25 3/4"

TYPICAL CONCRETE SIDEWALK N.T.S.

6"x6"xw1.4xw1.4 WELDED WIRE MESH

6" SUBBASE STONE

(NYSDOT 304.12 TYPE II) -

5'-0" OR AS SHOWN

ON SITE PLAN

1/2" PREMOULDED RESILIENT

FULL WIDTH OF CONCRETE SLAB

JOINT FILLER WITH CAULK AGAINST ALL

BUILDING WALLS AND END OF EACH POUR

SIDE VIEW

VARIES-REFER TO SITE PLAN OR MATCH EXISTING

SLOPE TO ROAD 1/4"/FT.

CROSS-SECTIONAL VIEW

5'-0" OR AS SHOWN

ON SITE PLAN

25'-0" TO NEXT EXPANSION JOINT

COMPACTED SUBGRADE

─ 6" SUBBASE

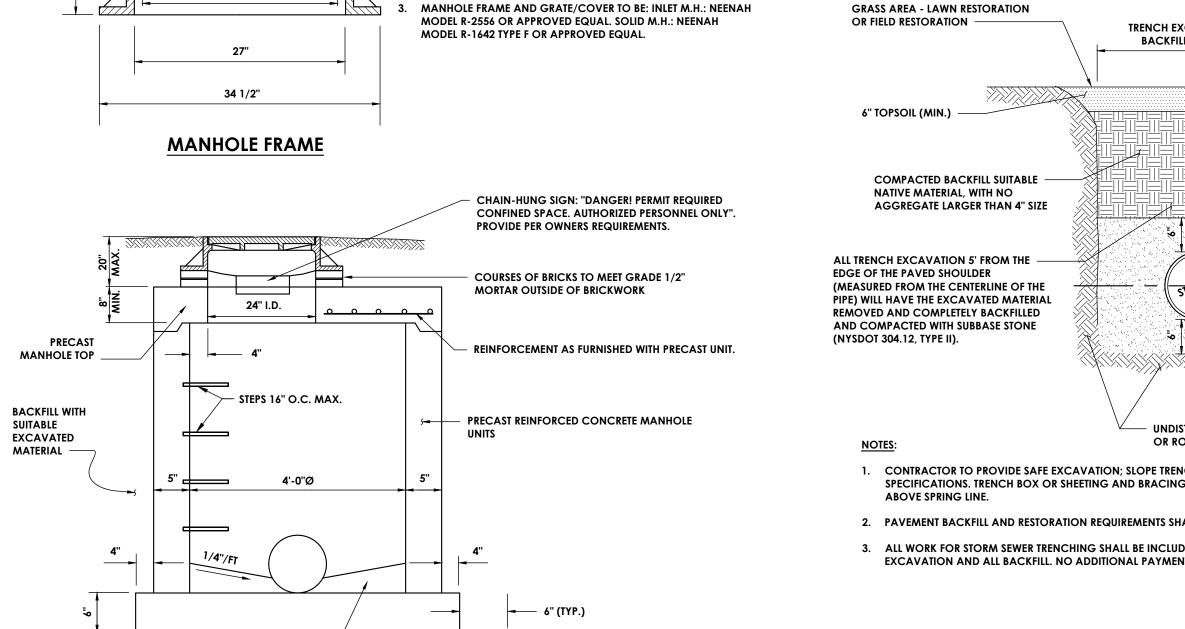
- 2" MINIMUM DEPTH

FULL WIDTH OF

CONCRETE SLAB.

4000 PSI CONCRETE 4" THICK IN LAWN AREA, 6" THICK IN DRIVEWAY AREAS,

UNLESS NOTED OTHERWISE ON PLANS.



- 6" #2 CRUSHED STONE

MANHOLE STEPS ARE REQUIRED FOR ANY STRUCTURE DEEPER THAN

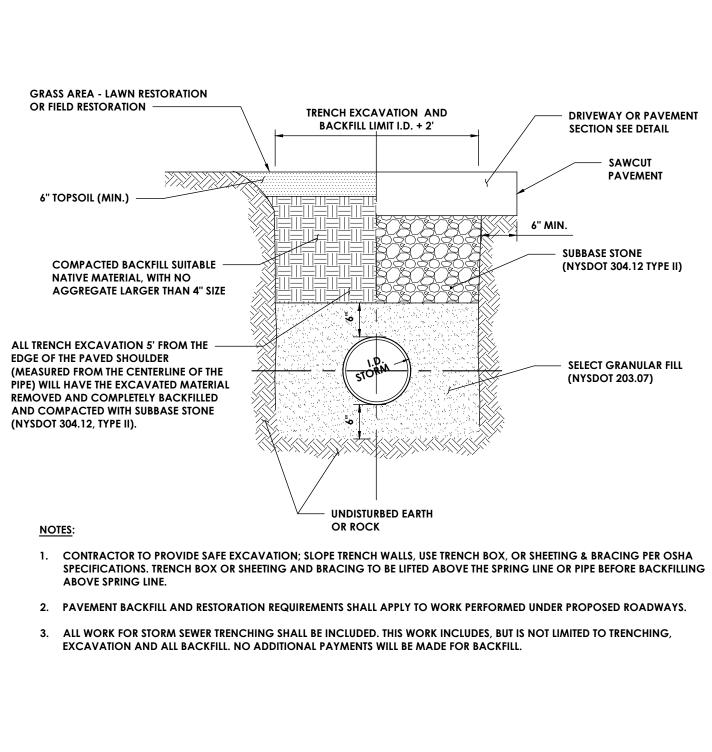
MANHOLE TOP SLABS, FRAMES AND COVERS SHALL BE DESIGNED

FOR USE UNDER ANY H - 20 LOADING.

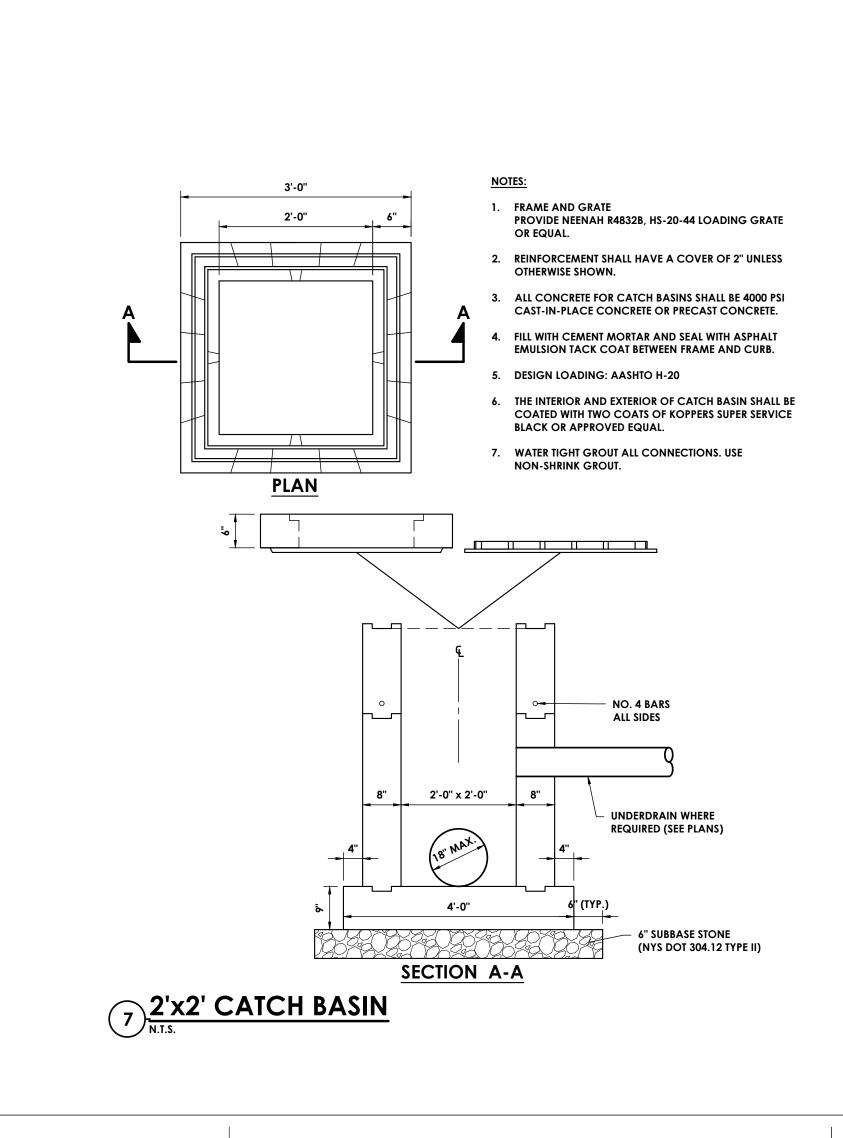
- 4000 PSI CONCRETE

MANHOLE SECTION

STORM SEWER MANHOLE
N.T.S.



STORM SEWER TRENCH



CAST GALVANIZED

STEEL LOOP CAP # 9 GAUGE **CHAIN LINK** FABRIC -**END AND CORNER** POSTS 2.5" O.D. (4') OR 3" (6') -

SLOPE TOP OF FOUNDATION

AWAY FROM POST

@ 1/4" PER FOOT.

TROWEL SMOOTH.

TOP RAIL 1 5/8" O.D.

4000 PSI CONCRETE FOOTING (TYP.)

10" DIA. PLUG END OF POSTS (TYP.)

4' CHAIN LINK FENCE

TYPE C CONCRETE FOOTING (TYP.) —

10'-0" (TYP.) POST SPACING

UNDISTURBED EARTH OR

COMPACTED SUBGRADE -

1 5/8" ROUND TUBULAR

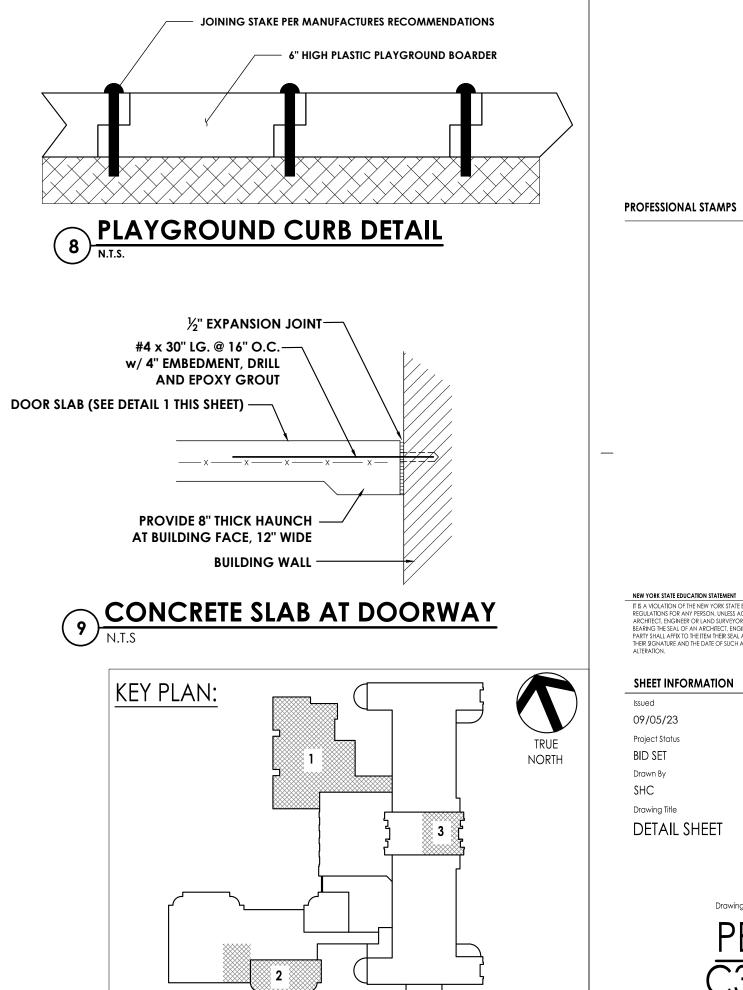
GALVANZED FRAMING

LOCK EYE AND PAD

SINGLE LEAF

4' HIGH SINGLE LEAF CHAIN LINK GATE

_ 2.5" GATE POST





- LINE POST 2" O.D. (4') 2 1/2 (6')

- BOTTOM RAIL 1 5/8" O.D.

- 9 GAUGE CHAIN LINK FABRIC

PROJECT INFORMATION Project Number 14428.20 **OSSINING UNION FREE SCHOOL** DISTRICT Project Name 2022-2023 CIP District Office Address 22 EDWARD ST, OSSINING, NY 10562 OSSINING

PROJECT ISSUE & REVISION SCHEDULE

SHEET INFORMATION Scale 09/05/23 **AS NOTED** Project Status BID SET Drawn By Checked By SHC Drawing Title DETAIL SHEET

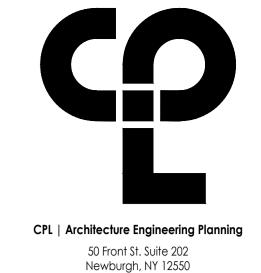
- 2. THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONNEL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS, THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THIS CONTRACTOR SHALL ESTABLISH, LABEL AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.
- 3. THE CONTRACTOR, PRIOR TO BIDDING, SHALL BE RESPONSIBLE TO BECOME COMPLETELY FAMILIAR WITH ALL ASPECTS OF THE PROJECT, INCLUDING, BUT NOT LIMITED TO, ALL DEMOLITION AND CONSTRUCTION WORK AS SHOWN IN THE COMPLETE SET OF DRAWINGS AND IN THE PROJECT MANUAL/SPECIFICATIONS, IN ORDER THAT THE FULL SCOPE OF WORK WHICH MAY ENCOUNTER ASBESTOS CONTAINING MATERIALS IS UNDERSTOOD AND ACCOUNTED FOR BY THE CONTRACTOR IN THIS PROJECT WHETHER OR NOT SHOWN IN THESE DOCUMENTS.

ASBESTOS REMOVAL GENERAL NOTES:

- ASBESTOS ABATEMENT INDICATED ON THIS DRAWING SHALL BE PERFORMED BY A NYS DEPARTMENT OF LABOR LICENSED ASBESTOS CONTRACTOR, THAT SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND QUANTITIES PRIOR TO BID.
- 2. THE CONTRACTOR SHALL PERFORM ALL CONTRACT WORK IN ACCORDANCE WITH CONTRACT SPECIFICATIONS, NEW YORK STATE DEPARTMENT OF LABOR (NYSDOL) INDUSTRIAL CODE RULE 56, OSHA, NESHAPS, AHEA, NYSDEC AND ALL OTHER APPLICABLE CODES.
- 3. THE CONTRACTOR SHALL MAINTAIN THE SITE AS NEAT AS POSSIBLE AND ORDERLY DURING THE WORK. ALL LOOSE DEBRIS WHICH MAY BLOW OFF THE SITE SHALL BE COLLECTED AND DISPOSED OF PROPERLY BY THE CONTRACTOR ON A DAILY BASIS AS PART OF THE PROJECT.
- 4. THE CONTRACTOR SHALL PROVIDE BARRIERS AROUND THE WORK AREAS IN ORDER TO ENSURE SAFE PASSAGE BY ANY PERSON. THESE BARRIERS SHALL ALSO SERVE TO KEEP ALL UNAUTHORIZED PERSONS OUT THE PROJECT AREA FOR THE DURATION OF THE WORK.
- 5. VARIANCES: CONTRACTOR SHALL PAY FOR AND OBTAIN ANY NECESSARY SITE SPECIFIC VARIANCES.
- 6. THE CONTRACTOR SHALL MAINTAIN SECURITY IN THE BUILDING AND THE WORK AREAS AT ALL TIMES.
- 7. PROJECT STAGING, STORAGE, SCHEDULING AND ACCESS SHALL BE COORDINATED WITH AND APPROVED BY THE ARCHITECT, CM AND OWNER PRIOR TO PROCEEDING WITH WORK.
- 8. SHOULD IT BE NECESSARY, CONTRACTOR SHALL COORDINATE SHUT DOWN AND LOCK OUT OF THE ELECTRICAL POWER WITH OWNER'S POWER WITH OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
- ALL TEMPORARY POWER TO THE WORK AREA SHALL BE BROUGHT IN FROM OUTSIDE THE WORK AREA THROUGH A GROUND—FAULT CIRCUIT INTERRUPTER AT THE SOURCE.
- 10.CONTRACTOR SHALL COORDINATE HOOKUP OF WATER SERVICE FOR DECONTAMINATION PURPOSED WITH OWNER'S REPRESENTATIVE. WATER FOR THE DECONTAMINATION UNITS IS AVAILABLE FROM THE OWNER.
- 11. THE OWNER OR OWNER'S REPRESENTATIVE IS RESPONSIBLE TO CONTRACT FOR NYSDOL PROJECTS MONITORING/AIR SAMPLING TECHNICIAN SERVICES AS REQUIRED.
- 12.CONTRACTOR TO PROVIDE A COPY OF SDS'S FOR ANY CHEMICAL AGENTS TO BE USED DURING THE ASBESTOS ABATEMENT TO THE PROJECT MONITOR AND THE OWNER'S REPRESENTATIVE.
- 13.CONTRACTOR SHALL REQUEST AND RECEIVE PROJECT MONITOR AND OWNER'S REPRESENTATIVE APPROVAL OF ALL WORK BEFORE ANY ABATEMENT IS UNDERTAKEN.
- 14.UNDER NO CIRCUMSTANCES SHALL CONTAMINATED WASTE WATER BE FILTERED THOUGH A SYSTEM WITHOUT AT LEAST A 5.0 MICRON PARTICLE SIZE COLLECTION CAPABILITY.
- 15.DRAWINGS ATTEMPT TO INDICATE THE GENERAL SCOPE OF EXISTING CONDITIONS AND ITEMS EFFECTED BY THE ABATEMENT WORK. CONTRACTOR SHALL EXAMINE THE WORK AREA PRIOR TO BID AND SHALL INCLUDE FIELD VARIATIONS FROM THOSE SHOWN WITH IN THE GENERAL INTENT OF THE WORK.
- 16.THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASBESTOS CONTAINING MATERIALS CONTAINED WITHIN THE PROJECT AND ASSOCIATED WITH ALL PROJECT WORK, IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES, REGULATIONS AND ALL REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
- 17.THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASBESTOS CONTAINING MATERIALS CONTAINED WITHIN THE PROJECT AND ASSOCIATED WITH ALL PROJECT WORK, IN THE MOST EFFICIENT AND COST EFFECTIVE METHOD POSSIBLE, WHICH ALSO COMPLIES WITH THE REQUIREMENTS LISTED ABOVE.

POST-ABATEMENT WORK NOTES:

- 1. PROVIDE ALL APPLICABLE CODE RULE 56 PROCEDURES, CLEAN UP, AND ADDITIONAL TESTING AS REQUIRED.
- 2. PRIOR TO ABATEMENT, ALL CONTRACTORS WILL SURVEY EXISTING CONDITIONS IN THE ABATEMENT AND GENERAL WORK AREAS. ITEMS/MATERIALS/ETC. DAMAGED, OR NON-FUNCTIONAL SHALL BE LISTED, NOTED, PHOTOGRAPHED AND REVIEWED WITH THE PROJECT INSPECTOR. ALL OTHER ITEMS/MATERIALS SHALL BE REVIEWED WITH THE PROJECT INSPECTOR. ALL OTHER ITEMS/MATERIALS SHALL BE ASSUMED TO BE IN GOOD CONDITION AND GOOD WORKING ORDER. IT SHALL BE THE RESPONSIBILITY OF THE ABATEMENT CONTRACTOR TO MAINTAIN ALL MATERIALS, ITEMS, EQUIPMENT, SYSTEMS, ETC. IN ITS ORIGINAL CONDITION AND RETURN TO OWNER/GC, ETC. IN SAME CONDITION AT THE END OF THIS CONTRACT.
- 3. REMOVE ALL TEMPORARY ENCLOSURES, BARRIERS, ETC. REINSTALL ITEMS/WORK PREVIOUSLY REMOVED, ALL TAPE AND ADHESIVE RESIDUALS TO BE REMOVED. TEST AND REPAIR.
- 4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE AGAINST DAMAGE TO THE EXISTING WORK TO REMAIN IN PLACE. ANY DAMAGE TO SUCH WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ARCHITECT AND OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
- 5. AT COMPLETION OF THE ABATEMENT WORK, A CONDITION SURVEY SHALL BE DONE BY ALL CONTRACTORS AND PROJECT INSPECTOR (SEE NOTE #2). ANY VARIATION (I.E. DAMAGE BY THE CONTRACTOR), AND OTHERWISE NOT INCLUDED AS PART OF THE RECONSTRUCTION WORK, SHALL BE REPAIRED/RESTORED BY THE ABATEMENT CONTRACTOR.
- 6. THE CONTRACTOR SHALL, UPON COMPLETION OF THE REMOVAL, PROVIDE WRITTEN DOCUMENTATION (INCLUDING ALL APPROPRIATE THIRD PARTY TESTING RESULTS) THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL ASBESTOS CONTAINING MATERIALS.
- 7. THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL ASBESTOS CONTAINING MATERIALS REMOVED FROM THE SITE, INCLUDING THE COMPOSITION AND VOLUMES OF DISPOSED MATERIALS AND THE FINAL DISPOSAL SITE(S).



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PROJECT INFORMATION

14428.20

OSSINING UNION FREE SCHOOL DISTRICT

Project Name

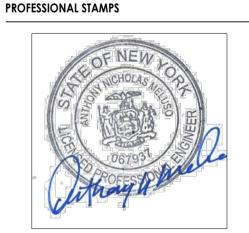
2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-0

PROJECT ISSUE & REVISION SCHEDULE



NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S
REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM
BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERNI
PARTY SHALL AFFOR TO THE ITEM THEIR SEAL, AND THE NOTATION "ALTERED BY" FOLLOWED
THEIR SIGNATURE AND THE DATE OF SILVIL ALTERATION AND A SEPCRETO DESCRIPTION.

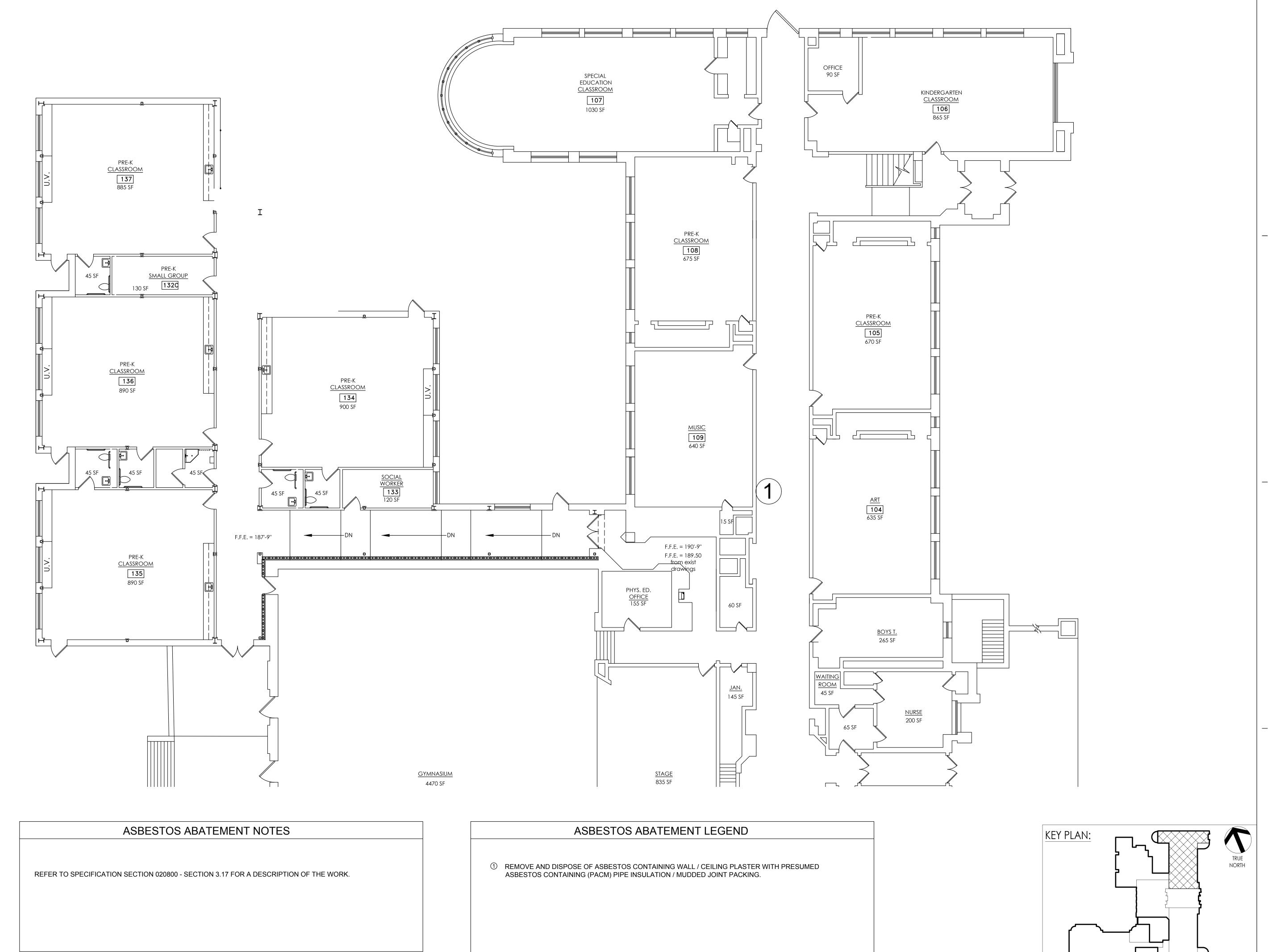
SHEET INFORMATION

Issued Scale
09/05/23 AS INDICATED
Project Status
SED SUBMISSION

SED SUBMISSION
Drawn By
AM
Drawing Title

ABATEMENT NOTES

PES 4000



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PROJECT INFORMATION

14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING ☐ PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

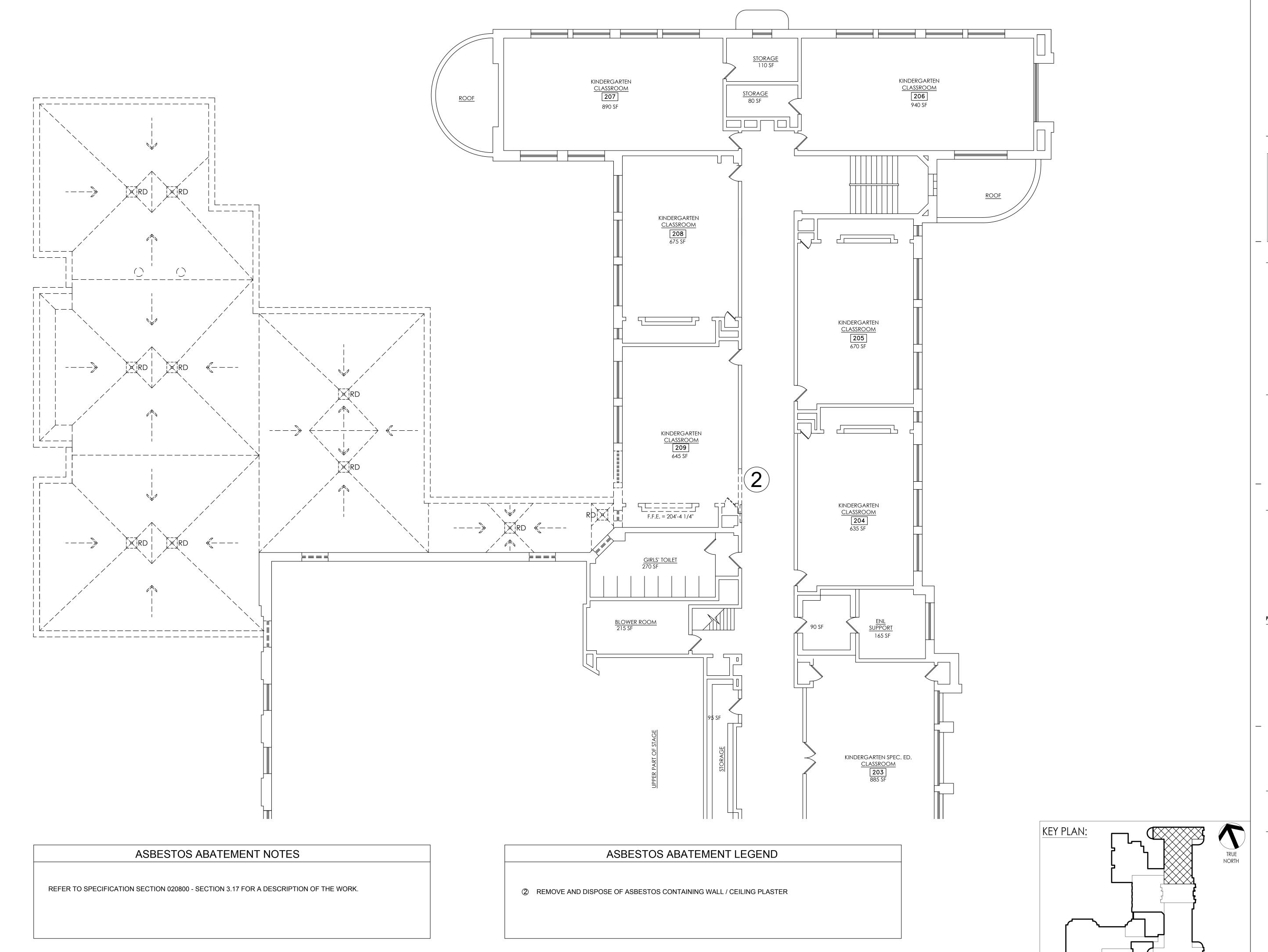
No. Date Description

PROFESSIONAL STAMPS



SHEET INFORMATION 09/05/23 AS INDICATED Project Status SED SUBMISSION

Drawing Title FIRST FLOOR ABATEMENT PLAN





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QuES&T

Quality Environmental
Solutions & Technologies, Inc.

Project Number

14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

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| PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS



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SHEET INFORMATION

Issued Scale

09/05/23 AS INDICATED

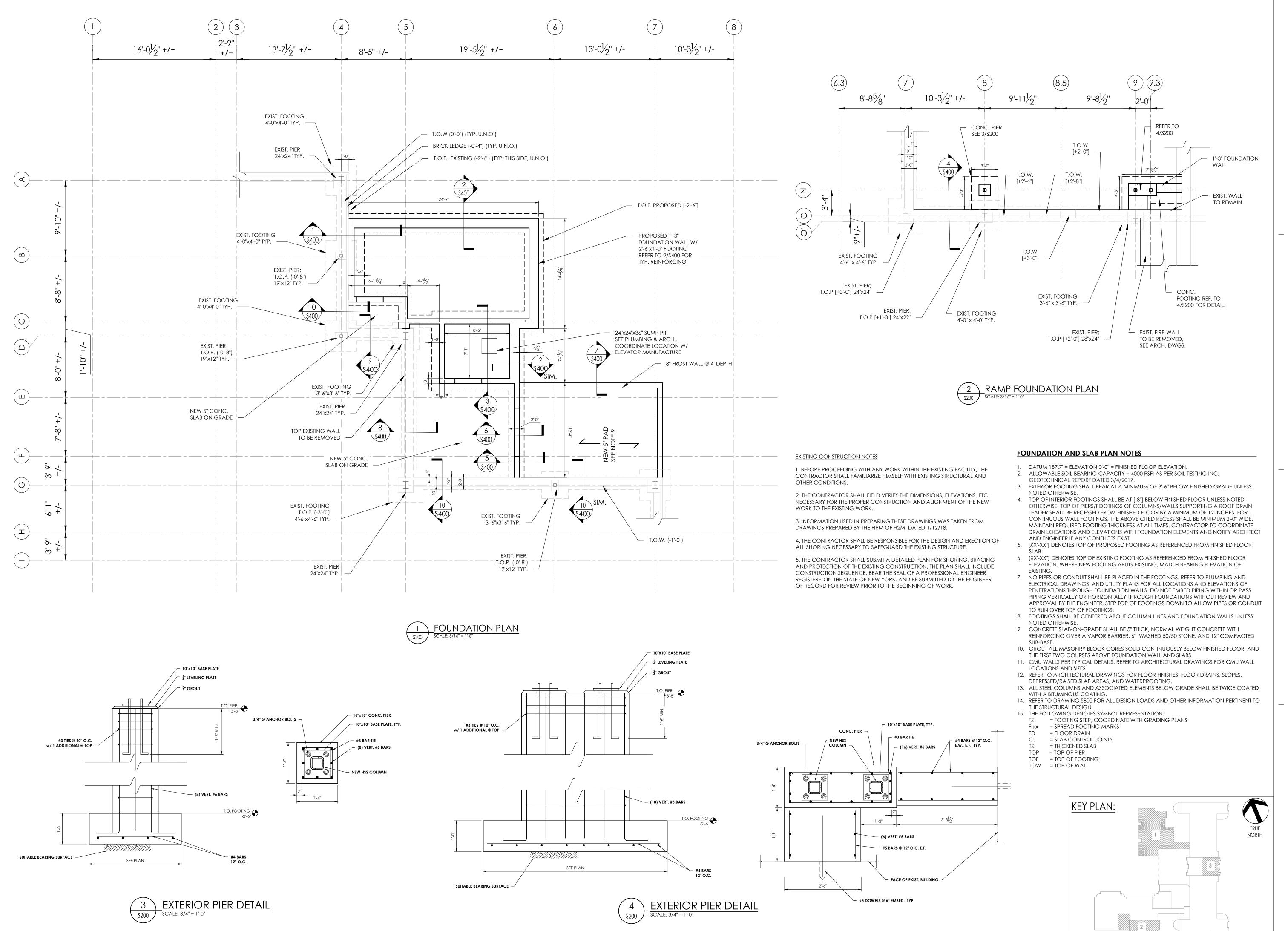
Project Status

SED SUBMISSION

Drawn By Checked By

Drawn By Checked By
AM RL
Drawing Title
SECOND FLOOR
ABATEMENT PLAN

PES A 200



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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

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PROJECT ISSUE & REVISION SCHEDULE

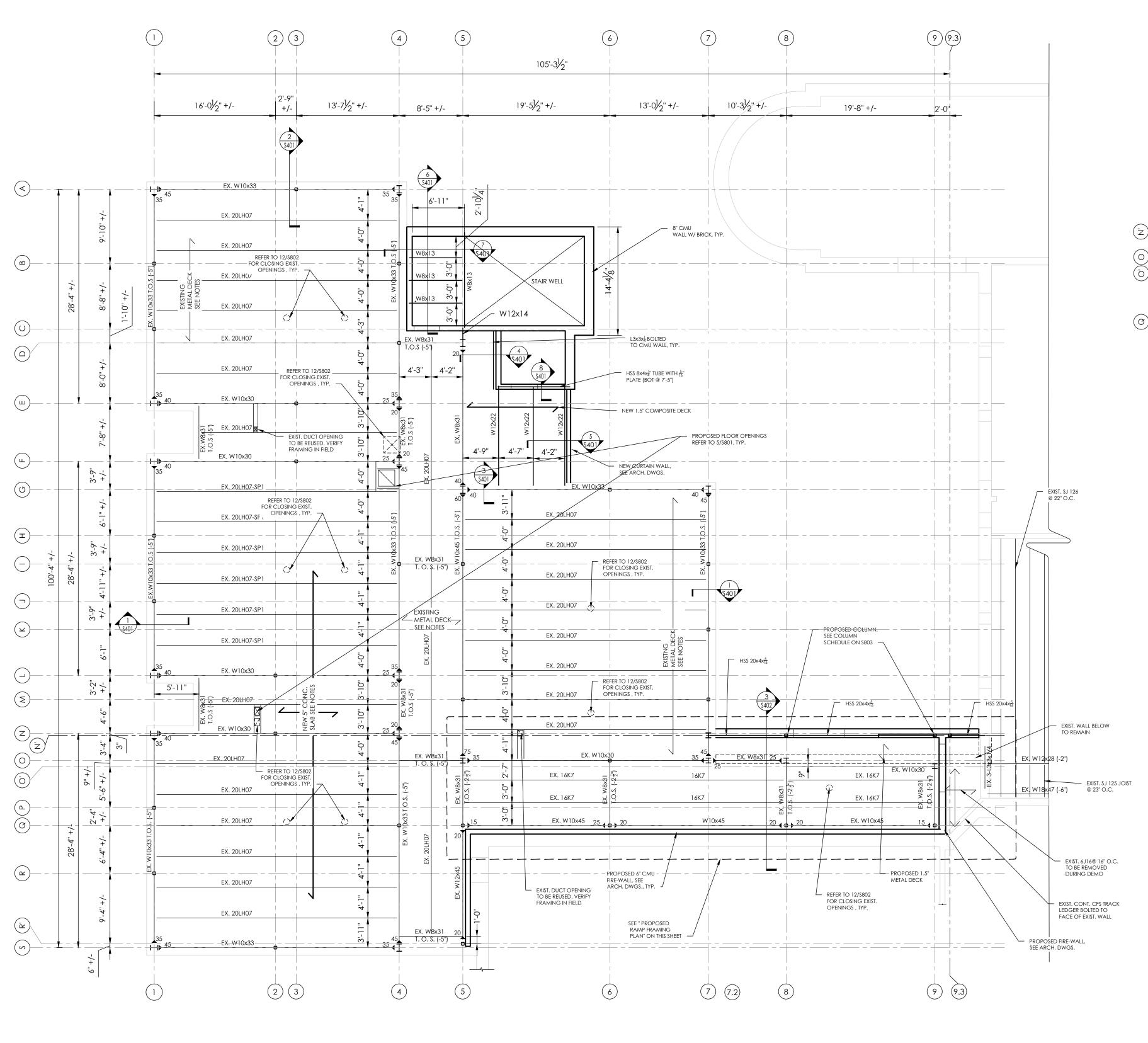
PROFESSIONAL STAMPS

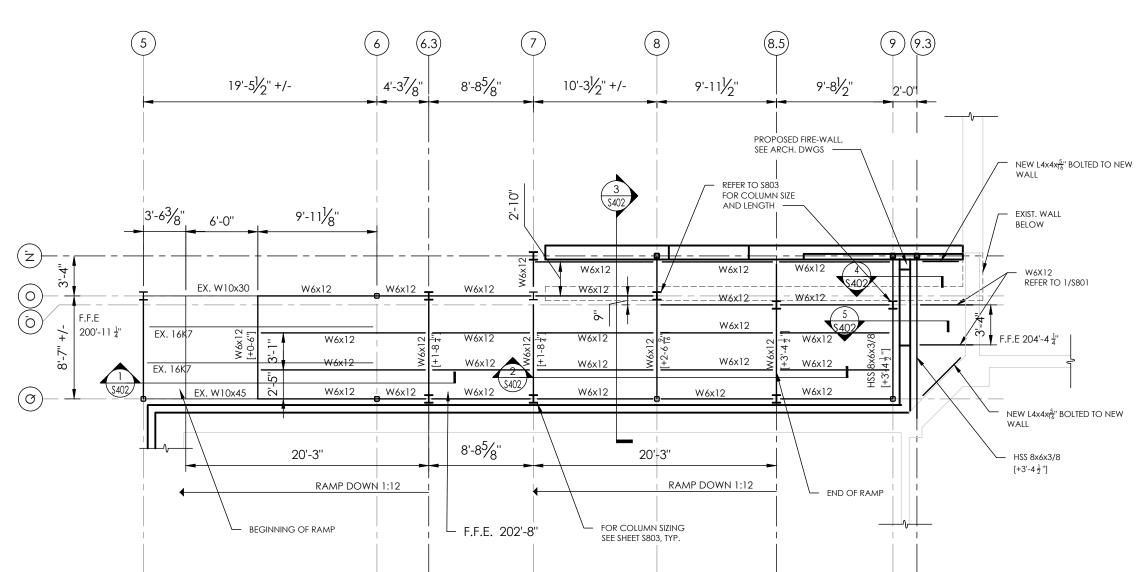
SHEET INFORMATION

CLM

09/05/23 DRAWING SCALE Project Status **BID SET** Drawn By

Drawing Title FOUNDATION PLAN







EXISTING CONSTRUCTION NOTES

1. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS.

2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW WORK TO THE EXISTING WORK.

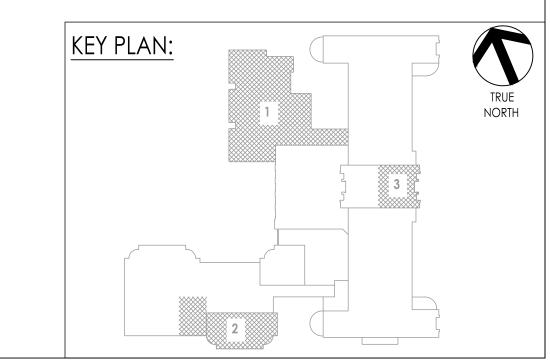
3. INFORMATION USED IN PREPARING THESE DRAWINGS WAS TAKEN FROM DRAWINGS PREPARED BY THE FIRM OF H2M, DATED 1/12/18.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL SHORING NECESSARY TO SAFEGUARD THE EXISTING STRUCTURE.

5. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR SHORING, BRACING AND PROTECTION OF THE EXISTING CONSTRUCTION. THE PLAN SHALL INCLUDE CONSTRUCTION SEQUENCE, BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK, AND BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO THE BEGINNING OF WORK.

FLOOR FRAMING PLAN NOTES

- 1. TOP OF STEEL ELEVATION = 12'-9 $\frac{3}{4}$ ", UNLESS NOTED OTHERWISE BY (X'-X") FOR EXISTING AND [X'-X"] FOR PROPOSED STEEL.
- 2. SECOND FLOOR FFE IS 5" ABOVE TOP OF STEEL.
- 3. STRUCTURAL FLOOR CONSTRUCTION SHALL CONSIST OF 3 1/2" LIGHTWEIGHT REINFORCED CONCRETE OVER 1 1/2" COMPOSITE METAL DECK (5" TOTAL THICKNESS). REFER TO TYPICAL DETAILS FOR REINFORCING.
- 4. PROPOSED CONCRETE SLAB ON EXISTING METAL DECK TO BE 5" LW CONCRETE WITH 6x6 -W2.1xW2.1 WWF, TYP. UNLESS NOTED OTHERWISE.
- 5. WHERE LIGHT WEIGHT CONCRETE IS USED, CONTRACTOR SHALL CONSULT WITH FINISHED FLOOR MANUFACTURER PRIOR TO FLOOR INSTALLATION, AND DOCUMENT THAT SUFFICIENT TIME HAS PASSED AND/OR NECESSARY STEPS HAVE BEEN TAKEN TO AVOID EXCESSIVE WATER EMISSION FROM THE CONCRETE.
- 6. CONTRACTOR TO VERIFY ALL SLAB EDGE, STAIR AND ELEVATOR OPENING DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND MANUFACTURER REQUIREMENTS PRIOR TO CONSTRUCTION.
- 7. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN. SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.
- 8. MINIMUM BEAM AND REACTION IS 15 KIPS, UNLESS NOTED OTHERWISE. 9. EQUALLY SPACE FLOOR BEAMS BETWEEN COLUMNS UNLESS NOTED OTHERWISE.
- 10. REFER TO DRAWING \$800 FOR ALL DESIGN LOADS AND OTHER INFORMATION PERTINENT TO
- THE STRUCTURAL DESIGN. 11. REFER TO DRAWING \$803 FOR COLUMN SIZES AND LENGTH.
- 12. EXISTING METAL DECKING CONSISTS OF 1.5B20 METAL DECK.
- 13. THE FOLLOWING DENOTES SYMBOL REPRESENTATION: = SHEAR CONNECTOR QUANTITY
 - = SLAB CONTROL JOINT
 - = MOMENT CONNECTION
 - = BEAM END SHEAR REACTION
 - ##K-FT = BEAM END MOMENT REACTION E.O.S. = EDGE OF SLAB





Newburgh, NY 12550

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PROJECT INFORMATION

14428.20

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OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

PROJECT ISSUE & REVISION SCHEDULE

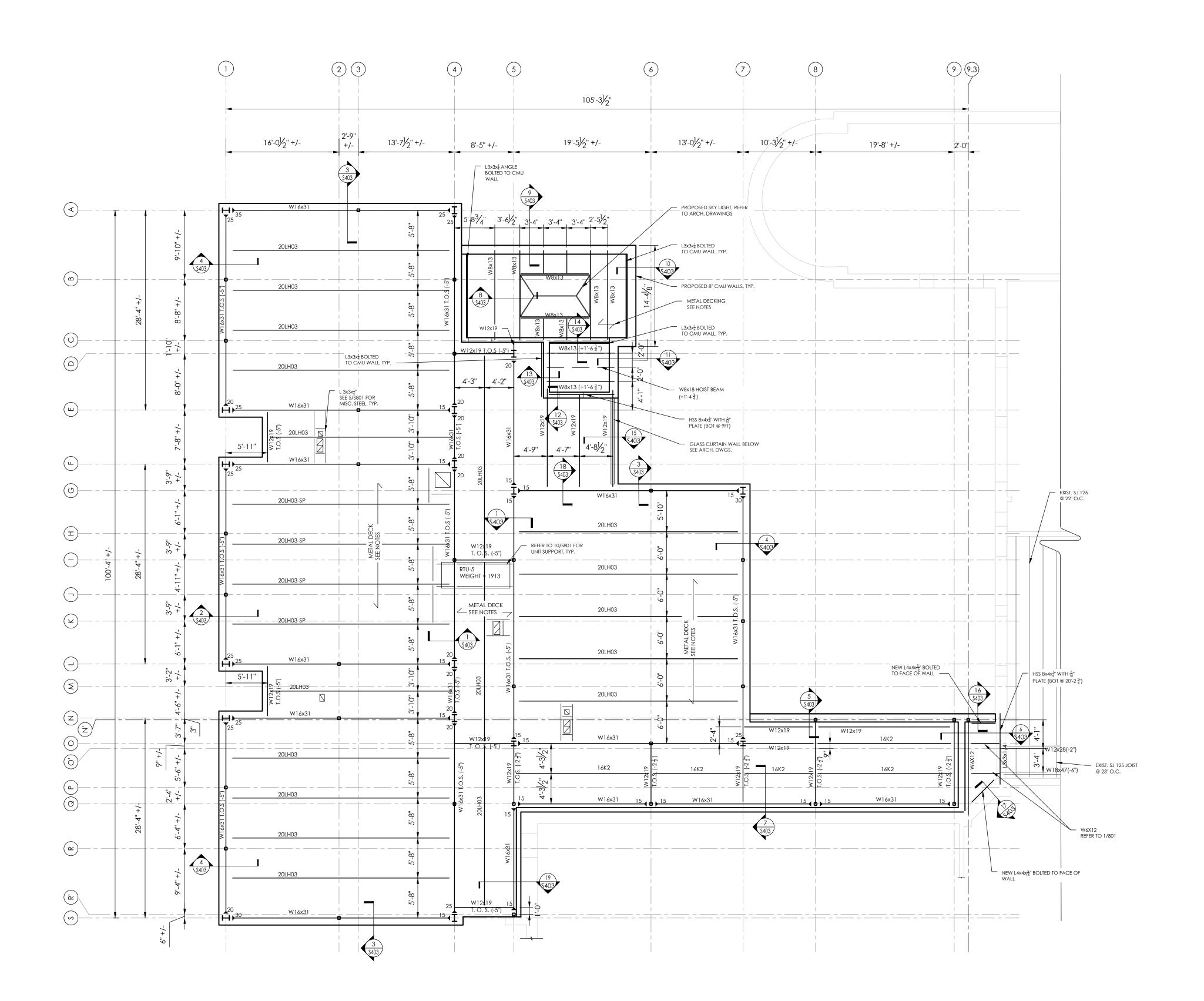
PROFESSIONAL STAMPS

SHEET INFORMATION

Issued Scale 09/05/23 DRAWING SCALE Proiect Status BID SET Drawn By Checked By

CLM SAW Drawing Title 2'ND FLOOR FRAMING PLAN

Drawing Number



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

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ROOF FRAMING NOTES

SNOW DRIFT SEE NOTE 1 —

1. TOP OF STEEL/BOTTOM OF DECK ELEVATION 26'-1 $\frac{1}{4}$ ", UNLESS NOTED OTHERWISE BY

A TRAPEZOIDAL LOAD OF 56.5 PSF

DEAD LOAD

- SNOW LOAD SEE S800, DESIGN CRITERIA NOTES - 4

15 PSF

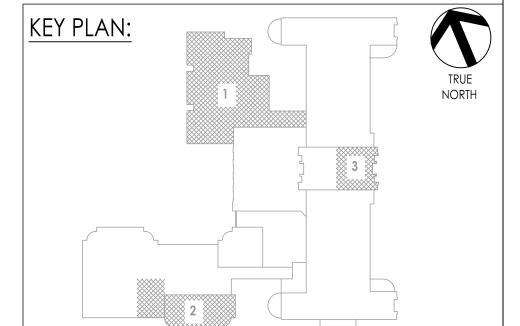
_SP-1 JOIST LOADING DETAIL

- 2. METAL ROOF DECK SHALL BE 20 GAGE, 1 1/2" WIDE RIB, UNLESS NOTED OTHERWISE.
- 3. ROOFTOP UNIT WEIGHTS IF SHOWN SHALL BE VERIFIED WITH MANUFACTURER BY CONTRACTOR. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO INSTALLING ROOFTOP UNITS IF UNIT OPERATING WEIGHT EXCEEDS VALUE LISTED ON PLAN.
- 4. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NO SHOWN, AND ALL LOCATIONS SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.
- 5. PROVIDE JOIST BRIDGING PER THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE. CONTRACTOR TO COORDINATE LOCATIONS OR REQUIRED HORIZONTAL BRIDGING WITH MECHANICAL DRAWINGS.
- 6. THE FOLLOWING DENOTE SYMBOL REPRESENTATION:

= SHEAR CONNECTORS

= MOMENT CONNECTION

K = BEAM END SHEAR REACTION ## K-FT = BEAM END MOMENT REACTION



SHEET INFORMATION

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Drawing Title ROOF FRAMING PLAN

Drawing Number

REFER TO 12/S802 FOR CLOSING EXST. OPENINGS, REFER TO 10/S801 FOR UNIT SUPPORT, TYP. — RTU-3 WEIGHT = 4055 LBS REFER TO 12/S802 FOR CLOSING EXST. OPENINGS, REFER TO 10/S801 FOR UNIT SUPPORT, TYP. RTU-2 WEIGHT = 2567 LBS RTU-4 WEIGHT = 1055 LBS EXIST. W8x13 (VIF) EXIST. W8x13 (VIF) EXIST. W8x13 (VIF) EXIST. W8x13 (VIF) REFER TO 10/S801 FOR UNIT SUPPORT, TYP. RTU-1 WEIGHT = 2360 LBS EXIST. W18x35 (VIF) EXIST. W8x13 EXIST. W18x35 (VIF) 6'-0" (VIF) 24'-0'' REFER TO 10/\$801 FOR UNIT SUPPORT, TYP. — ASSUMED EXISTING
STEEL FRAMING (VIF) — REFER TO 10/S801 FOR UNIT SUPPORT, TYP. REFER TO 12/S802 FOR CLOSING EXST. OPENINGS, TYP. — RTU-5 WEIGHT = 1813 LBS ASSUMED EXISTING
 STEEL FRAMING (VIF) EXIST. W18x35 EXIST. W18x35 5'-0'' +/-(VIF) **ROOF FRAMING NOTES** STEEL SIZES, SPANS, SPACING AND HVAC UNIT WEIGHT. KEY PLAN:

CPL | Architecture Engineering Planning 50 Front St. Suite 202 Newburgh, NY 12550 CPLteam.com

PROJECT INFORMATION

Project Number 14428.20

> OSSINING UNION FREE SCHOOL **DISTRICT**

Project Name 2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE No. Date Description

PROFESSIONAL STAMPS

- 1. ALL EXISTING FRAMING CONDITIONS TO BE VERIFIED IN FIELD. EXISTING STEEL TO BE CHECKED BY ENGINEER OF RECORD FOLLOWING VERIFICATION OF EXISTING
- 2. ROOFTOP UNIT WEIGHTS IF SHOWN SHALL BE VERIFIED WITH MANUFACTURER BY CONTRACTOR. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO INSTALLING ROOFTOP UNITS IF UNIT OPERATING WEIGHT EXCEEDS VALUE LISTED ON PLAN.
- 3. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NO SHOWN, AND ALL LOCATIONS SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.



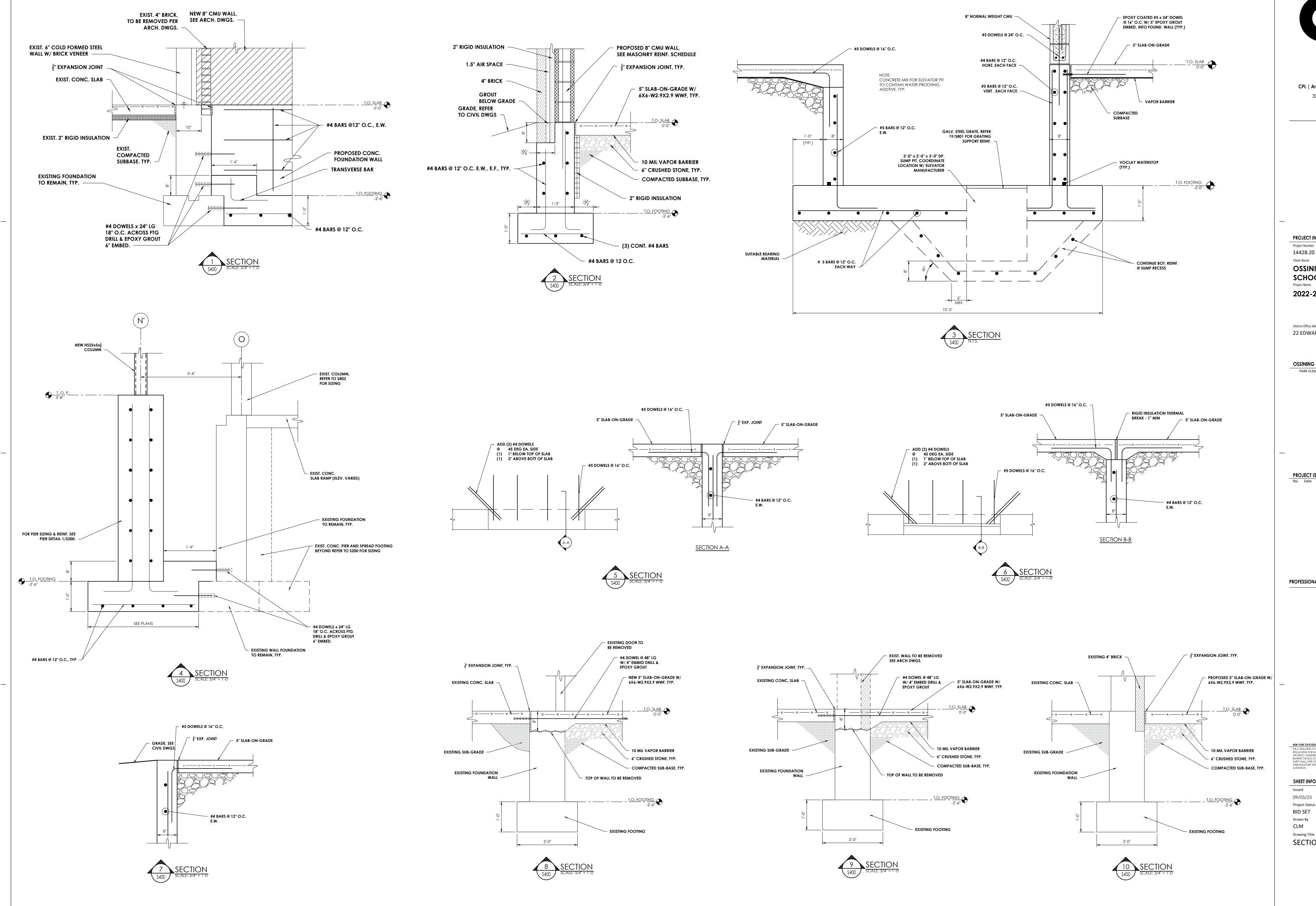
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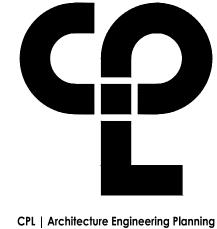
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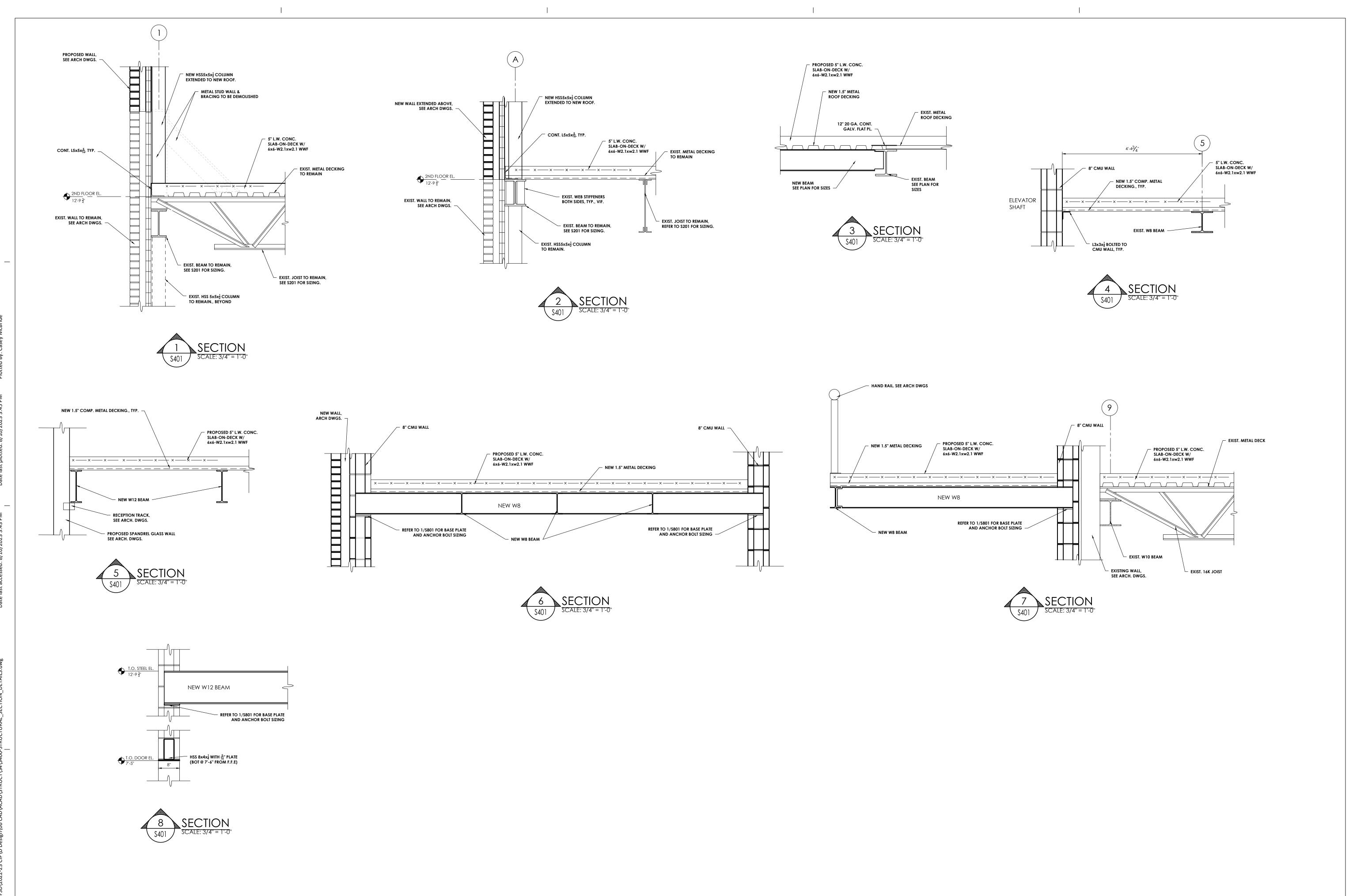
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NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINIER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN IEM. BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERIN PARTY SHALL AFRIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY FOLLOWED

PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED THER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC LALTERATION.

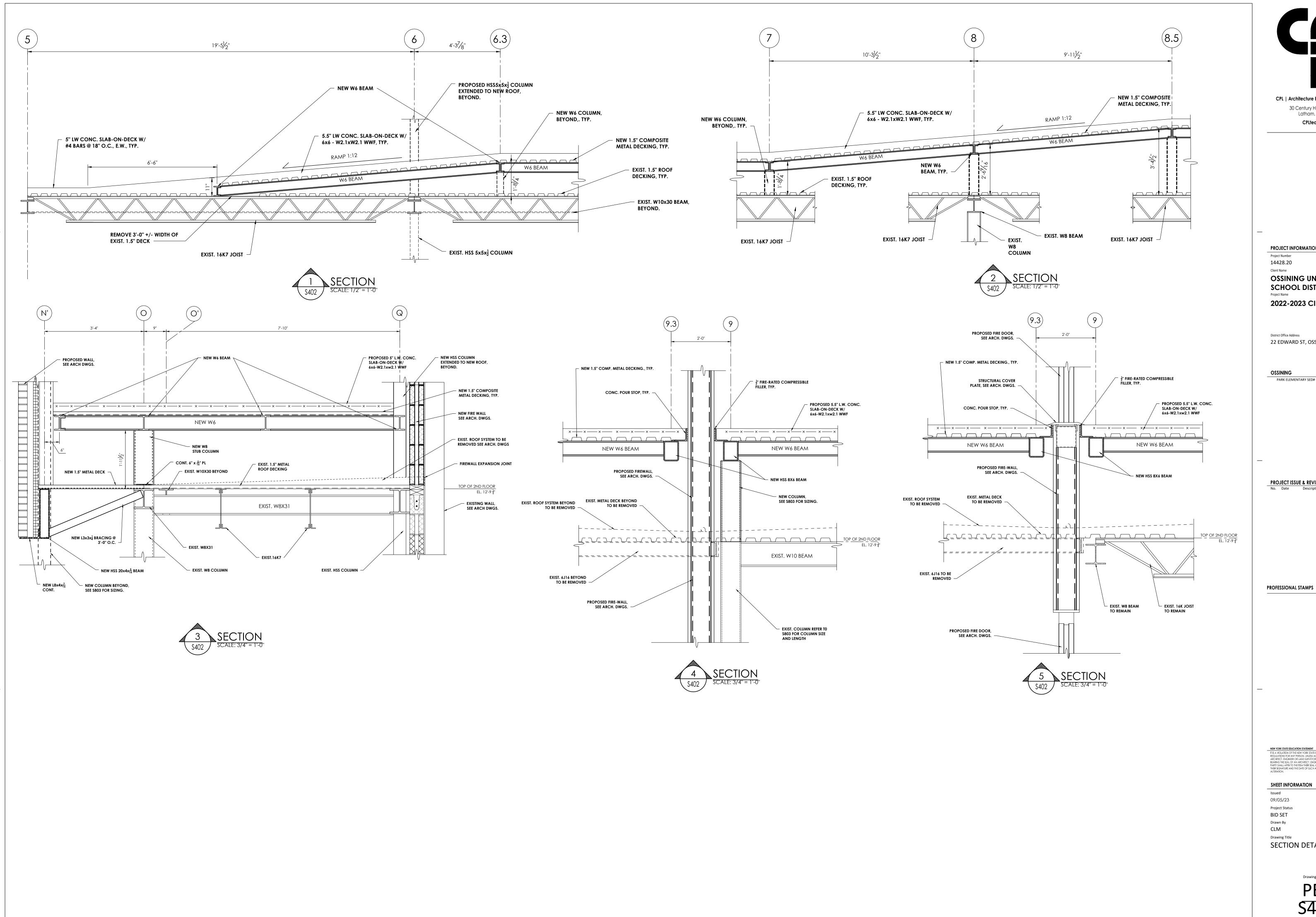
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09/05/23 DRAWING
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Drawing Title
SECTION DETAILS

Drawing Number

PES 401





Latham, NY 12110

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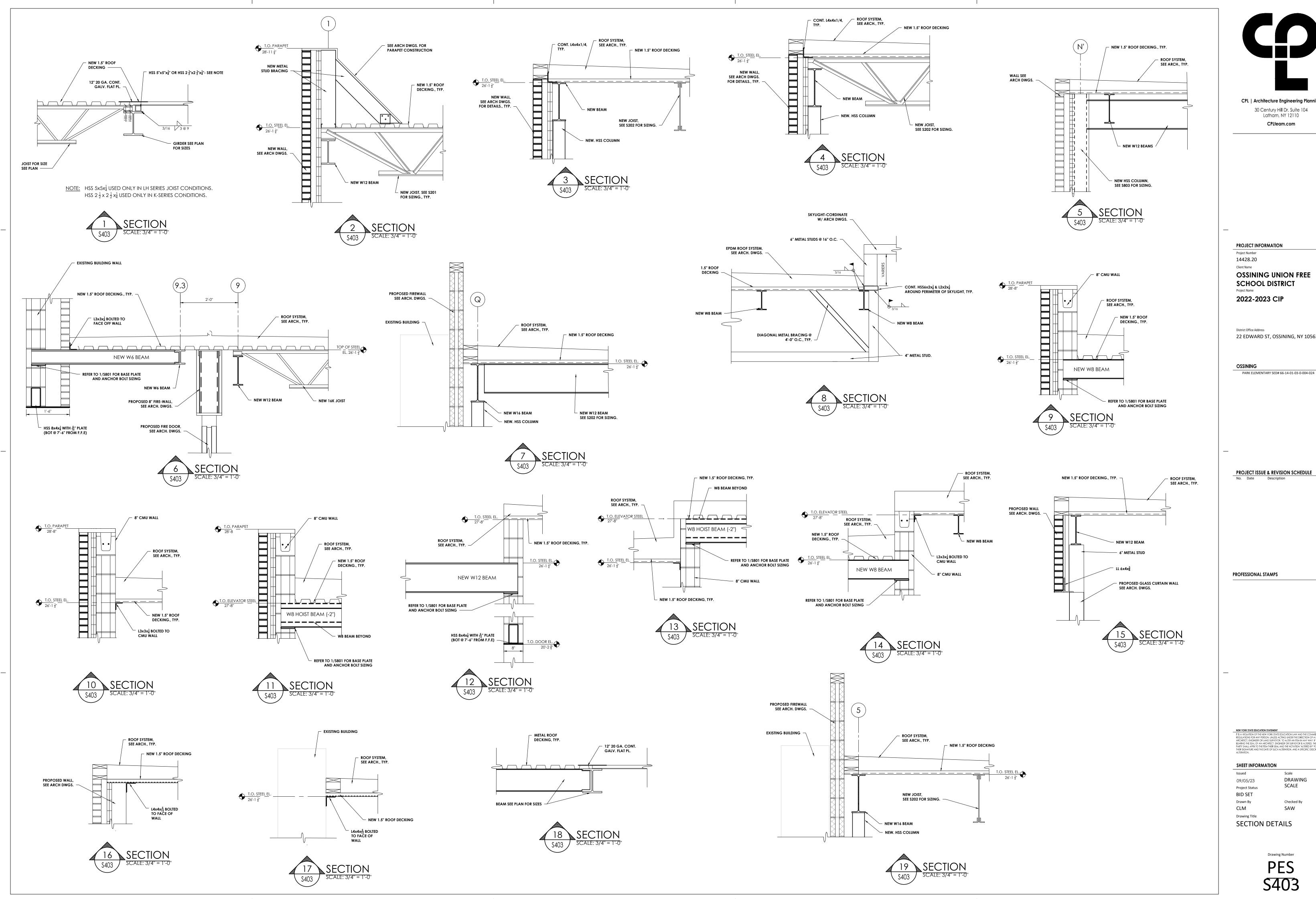
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Drawing Number

THE WORK.

LIKE CONDITIONS UNLESS NOTED OTHERWISE.

TEMPORARY ERECTION BRACING AND SHORING. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR

ALL DESIGN, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE 2020 NEW YORK STATE BUILDING CODE WITH STATE AMMENDMENTS, THE UNIFORM BUILDING CODE, OSHA AND GOVERNING AGENCIES HAVING JURISDICTION. I. REFER TO THE "SPECIAL INSPECTIONS" SECTION OF THE SPECIFICATIONS FOR

PROJECT REQUIREMENTS AND PERTINENT INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS SHOWN ON THE DRAWINGS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN OR INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN, INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB, EVEN THOUGH SUCH ITEMS ARE NOT SHOWN OR PARTICULARLY MENTIONED.

THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, PRECAST CONCRETE, HANDRAILS, CURTAIN WALL/WINDOW SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT **DOCUMENTS**

B. THE GENERAL CONTRACTOR SHALL USE CONSTRUCTION METHODS THAT ARE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. P. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ADEQUATELY

SHORING EXISTING CONSTRUCTION WHILE PERFORMING NEW WORK. 10. DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THESE DRAWINGS. IF THERE ARE ANY QUESTIONS REGARDING DIMENSIONS, CONTACT THE ARCHITECT/ENGINEER FOR INFORMATION PRIOR TO SUBMITTING SHOP

THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS, AND WITH THE WORK OF ALL OTHER TRADES.

12. THE CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF AND WALL PENETRATIONS WITH MECHANICAL, PLUMBING AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE ENGINEER UNLESS NOTED OTHERWISE.

13. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL SITE APPURTENANCES DAMAGED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER. 14. INFORMATION IN THESE STRUCTURAL NOTES IS A SELECTED SUMMARY OF

REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFICATIONS OF REQUIREMENTS. 15. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED,

MEMBERS ARE EITHER LOCATED ON COLUMN LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR CONSTRUCTION SAFETY.

COLD-FORMED STEEL FRAMING

1. ALL COLD FORMED STEEL FRAMING MEMBERS, THEIR DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), AND "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING -GENERAL PROVISIONS".

STUD AND TRACK PROFILES SHALL BE STANDARD SECTIONS USED BY MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) COLD-FORMED METAL FRAMING MEMBERS SHALL CONFORM TO ASTM C

955 WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAUGE) AND THINNER MEMBERS, AND 50 KSI FOR ALL OTHERS. ALL COLD-FORMED METAL FRAMING MEMBERS SHALL BE FORMED OF CORROSION-RESISTANT STEEL, G-60 (G-90 AT EXTERIOR APPLICATIONS)

CONFORMING TO ASTM A 653 AND ASTM C 955. MEMBERS SHALL BE MANUFACTURER'S STANDARD "C" SHAPED STUDS/JOISTS OF THE SIZE, FLANGE WIDTH AND GAUGE INDICATED. ALL MEMBERS SHALL HAVE A MINIMUM FLANGE LIP RETURN OF 1/2" AND SATISFY THE MINIMUM PROPERTIES AS PER THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

S. THE GAUGE OF ALL TRACKS SHALL BE NO LIGHTER THAN THE FRAMING BEING CONNECTED. CONNECT TRACKS TO CONCRETE WITH 0.145" DIA. POWER DRIVEN FASTENERS (WITH 1.25" EMBEDMENT) AT 16" ON CENTER. ALL WELDING SHALL BE IN CONFORMANCE WITH AMERICAN WELDING SOCIETY SPECIFICATION D1.3. ALL WELDS SHALL BE TOUCHED UP WITH

ZINC RICH PAINT. 8. ALL STRUCTURAL MEMBERS SHALL BE PROPERLY CONNECTED TO EACH OTHER AND TO THE SUPPORTING BACK-UP FRAMING. FASTENINGS SHALL BE MADE WITH SELF TAPPING SCREWS OR WELDS OF SUFFICIENT SIZE TO INSURE THE CONNECTION STRENGTH. NOTE: FOR UL ASSEMBLY CW-S-1019 SLIDE CLIPS CONNECTING EXTERIOR STUDS TO SUPPORTED FLOORS ARE TO BE WELDED TO THE POUR STOP AS SHOWN IN THE SECTIONS. POWER

DRIVEN FASTENERS MAY BE USED FOR THE INITIAL CLIP PLACEMENT ONLY. PROVIDE BRIDGING FOR STUDS, JOISTS AND RAFTERS AT MID SPAN AND AT A MAXIMUM SPACING NOT TO EXCEED 4'-0". ALL BRIDGING SHALL BE INSTALLED PRIOR TO THE ADDITION OF ANY LOADING. CONNECT BRIDGING TO EACH MEMBER BY WELDING, CLIP ANGLES OR OTHER APPROVED METHOD PER THE MANUFACTURE'S REQUIREMENTS.

10. PROVIDE WEB STIFFENERS AT JOIST AND RAFTER BEARINGS IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. 11. ALL AXIALLY LOADED STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB, PRIOR TO STUD AND TRACK ALIGNMENT. SPLICES IN

AXIALLY LOADED STUDS ARE NOT PERMITTED. 2. PROVIDE THE MANUFACTURER'S STANDARD TRACK, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER FOR THE APPLICATION INDICATED AND AS NEEDED TO PROVIDE A COMPLETE FRAMING SYSTEM. UNLESS OTHERWISE NOTED, INSTALL THE METAL FRAMING SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND

RECOMMENDATIONS. 13. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR APPROVAL: A. MANUFACTURER'S PRODUCT DATA AND LATEST TECHNICAL DATA. B. ERECTION DRAWINGS SHOWING THE NUMBER, TYPE, LOCATION AND SPACING OF ALL MEMBERS. ALL CONNECTIONS AND ATTACHMENTS

C. THE PROPERTIES OF ALL FRAMING MEMBERS THAT ARE USED IN LOAD BEARING APPLICATIONS, DEMONSTRATING CONFORMANCE WITH THE MINIMUM ACCEPTABLE PROPERTIES NOTED HEREIN. D. STRUCTURAL CALCULATIONS FOR ALL CONNECTIONS & MEMBERS BY A

PROFESSIONAL ENGINEER LICENSED IN THE STATE OF **NEW YORK**

14. UNLESS OTHERWISE NOTED, PROVIDE DOUBLE JACK STUDS AT ALL BEAM/HEADER BEARINGS.

SHALL BE CLEARLY SHOWN.

15. COLD-FORMED METAL FRAMING MEMBERS, HEADERS, AND CONNECTIONS SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS ARE SCHEMATIC ONLY AND SHALL BE DESIGNED TO MEET PROJECT AND SPECIFICATION REQUIREMENTS. ANY MEMBER SIZES OR SPACINGS SHOWN

SHALL BE CONSIDERED AS MINIMUMS. 16. DO NOT SCREW OR WELD STUDS TO VERTICAL DEFLECTION TRACKS. DO NOT CONNECT SHEATHING TO VERTICAL DEFLECTION TRACKS AND PROVIDE GAP IN SHEATHING TO ACCOMMODATE VERTICAL DEFLECTION.

CAST-IN-PLACE CONCRETE NOTES

ALL CONCRETE WORK, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE 2020 NEW YORK STATE BUILDING CODE WITH STATE AMMENDMENTS, AND "THE SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI-318)

2. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND CONFORM TO THE REQUIREMENTS OF THE SCHEDULE BELOW, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MIX DESIGN

LOCATION	W/C RATIO	SLUMP (±1")	% AIR (±1%)	MAXIMUM AGGREGATE	MIN. STRENGTH @ 28 DAYS
BURIED FOUNDATIONS	.50	3.5"	N/A	1 1/2"	3,500 PSI
EXPOSED RETAINING & FOUNDATION WALLS	.45	3.5"	5.5	1 1/2"	5,000 PSI
SLAB ON GRADE (INT.)	.45	3.5"	4	3/4"	4,000 PSI
SLAB ON GRADE (EXT.)	.45	3.5"	5.5	3/4"	5,000 PSI
SLAB ON DECK (INT.)	.45	4.0"	-	3/4"	3,500 PSI

3. CONTRACTOR SHALL SUBMIT MIX DESIGNS PROPORTIONED BY A LICENSED

4. PROVIDE MINIMUM OF FOUR (4) CYLINDERS PER EACH FIFTY (50) YARDS OR FRACTION THEREOF POURED IN ONE DAY. BREAK ONE AT 7 DAYS AND TWO AT 28 DAYS.

WHERE NEW CONCRETE IS TO BE POURED ONTO EXISTING CONCRETE, BONDING IS REQUIRED AS NOTED IN ACI 301.

6. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE.

1. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI-315).

2. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

3. LAP SPLICES AND EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318 -CHAPTER 25.

4. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE FOOTINGS, WALLS OR BEAMS MEET AT CORNERS OR INTERSECT. THIS ALSO INCLUDES INTERSECTIONS OF CONCRETE WITH MASONRY WORK.

5. PROVIDE SHOP DRAWINGS FOR REINFORCING INCLUDING ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN PLACE. CLEAR COVER CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE:

6.1. 3" - CONCRETE CAST AGAINST EARTH. 6.2. 2" - FORMED SURFACES IN CONTACT WITH SOIL OR EXPOSED TO

6.3. 1" - FORMED SURFACES NOT IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.

ALL FOUNDATIONS ARE TO BEAR ON APPROVED BEARING MATERIAL. (SEE GEOTECHNICAL EVALUATION BY GEOTECHINCAL ENGINEER, DATED

2. ALL FOUNDATION EXCAVATIONS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED. ALL FORMS AND REINFORCING STEEL IN PLACE SHALL BE APPROVED BY THE

OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED. NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.

5. IN GENERAL, EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF 4'-0" BELOW FINISHED EXTERIOR GRADE. CENTERLINE OF FOOTINGS, WALLS, GRADE BEAMS, COLUMNS, AND BEAMS

SHALL COINCIDE, UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION DRAINAGE.

8. ALL EXTERIOR CONCRETE USED ABOVE GRADE SHALL HAVE AN AIR ENTRAINING AGENT. 9. RUB ALL SIGHT EXPOSED CONCRETE AFTER FORMS HAVE BEEN REMOVED.

10. ALL EXPOSED CONCRETE PIER CORNERS SHALL BE CHAMFERED 3/4". 11. ALL GROUT FOR BASE PLATES SHALL BE NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.

12. ANCHOR BOLTS - ASTM F1554, Fy=36 KSI, 1" DIAMETER UNLESS OTHERWISE

13. ISOLATION JOINT - ASPHALT IMPREGNATED FILLER STRIP CONFORMING TO ASTM D-944.

14. ALL STEEL COLUMNS BELOW GRADE SHALL BE TWICE COATED WITH A BITUMINOUS COATING.

15. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB BEFORE COMMENCING WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS AND DETAILS NOT SHOWN. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSIONS OF ANY OPENING, SLEEVES, INSERTS, SLAB DEPRESSIONS, ETC. 16. EPOXY ANCHORS SHALL BE HIT HY-200 INJECTION ADHESIVE ANCHORS AS

SLABS ON GRADE

1. ALL SLABS ON GRADE SHALL BE PLACED OVER A STEGO 10 MIL VAPOR BARRIER. TAPE ALL SEAMS AND PROVIDE FLASHING/BOOTS AROUND PIPE

2. UNDER SLABS ON GRADE: POROUS 6 INCH LIFT OF CRUSHED STONE MATERIAL CONSISTING OF, ASTM #57 STONE.

MANUFACTURED BY HILTI, INC., TULSA OK (800-879-8000).

3. SLAB ON GRADE REINFORCEMENT SHALL BE 6x6-W2.1x2.1WWF, UNLESS NOTED OTHERWISE

4. WET CURE FOR 7 DAYS BEFORE APPLYING ANY WHEELED TRAFFIC OR MASONRY PARTITIONS

5. CONTRACTION JOINTS: JOINTS SHALL BE SPACED NO FARTHER THAN 15'-0" O.C. JOINTS SHALL TYPICALLY RUN BETWEEN COLUMNS AND TERMINATE AT A COLUMN ISOLATION POUR. THE LENGTH OF ANY INDIVIDUAL JOINTED AREA SHALL NOT EXCEED 1.5 TIMES ITS WIDTH.

CONSTRUCTION/COLD JOINTS: TERMINATE DAY'S CONCRETE WORK AT A CONTROL JOINT LOCATION. PROVIDE A KEYWAY OR DOWELS FOR CONTINUATION OF WORK WITH NEXT POUR. CONTINUE 50% OF SLAB REINFORCEMENT THROUGH CONSTRUCTION AND CONTRACTION JOINTS. 7. CONCRETE SURFACE SHALL BE HARD STEEL TROWEL FINISH.

8. FOR FLOOR FINISH, FLOOR DRAINS, SLAB DEPRESSIONS, AND WATERPROOFING DETAILS SEE ARCHITECTURAL DRAWINGS.

9. PROVIDE ONE #4 BAR, 4 FEET LONG, DIAGONAL AT CORNERS AND OPENINGS IN SLABS-ON-GRADE.

CONCRETE SHALL BE 3500 PSI LIGHTWEIGHT FOR ALL SLABS ON DECK. THE OVEN DRY UNIT WEIGHT SHALL NOT EXCEED 116 PCF.

PROVIDE #3 BARS x 72" SPACED 18" O.C. OVER GIRDERS, TYP. 3. SLAB ON DECK TEMPERATURE REINFORCEMENT SHALL BE 6x6-W2.1x2WWF,

UNLESS NOTED OTHERWISE. 4. DO NOT PROVIDE CONTROL JOINTS IN SUPPORTED SLAB. COORDINATE CONSTRUCTION JOINTS WITH THE ENGINEER OF RECORD.

WET CURE FOR 7 DAYS BEFORE, OR APPLY CURING COMPOUND 3 DAYS PRIOR TO APPLYING ANY WHEELED TRAFFIC OR MASONRY PARTITIONS, 6. NO CONCRETE SHALL BE PLACED ON DECK UNTIL MECHANICAL SHOP

DRAWINGS HAVE BEEN APPROVED FOR FLOOR OPENINGS. 7. ELECTRICAL CONDUIT NOT PERMITTED TO BE PLACED IN SLAB ON DECK.

DESIGN CRITERIA NOTES

1. GENERAL BUILDING CODE THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE 2020 NEW YORK STATE BUILDING CODE WITH STATE AMMENDMENTS.

2. RISK CATEGORY OF BUILDING AND OTHER STRUCTURES THE BUILDING HAS BEEN ASSIGNED AN RISK CATEGORY IN ACCORDANCE WITH PREVIOUSLY MENTIONED BUILDING CODE WITH THE FOLLOWING CRITERIA: A. RISK CATEGORY: III, SUBSTANTIAL RISK TO HUMAN LIVE IN THE EVENT OF FAILURE.

3. DEAD AND LIVE LOADS

A. THE DEAD LOADS ARE THE SELF WEIGHT OF MATERIALS OF CONSTRUCTION

INCORPORATED INTO AND ON THE BUILDING. B. THE UNIFORMLY DISTRIBUTED AND/OR CONCENTRATED LIVE LOADS USED IN THE DESIGN OF THE BUILDING ARE BASED ON THE FOLLOWING INTENDED USE OR OCCUPANCIES: 100 POUNDS PER SQUARE FOOT (PSF) a. CORRIDORS:

b. CORRIDORS ABOVE FIRST FLOOR: 80 PSF c. STAIRS AND EXITS: 100 PSF / 300 LB ON TREADS, 4 SQUARE INCH AREA

d. LOBBIES: 100 PSF e. STORAGE, LIGHT: 125 PSF f. OFFICE: 50 PSF g. ROOFS: 20 PSF / 300 LB ON MAINTENANCE

SURFACE h. PARTITION LOADS: 15 PSF, WHERE APPLICABLE

4. ROOF SNOW LOAD DATA

SNOW LOADS ARE BASED ON CHAPTER 7 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:

A. GROUND SNOW LOAD (Pg): 30 PSF B. FLAT-ROOF SNOW LOAD (Pf): 23.1 PSF 1.00 C. SNOW EXPOSURE FACTOR (Ce): D. SNOW LOAD IMPORTANCE FACTOR (Is): 1.10 E. THERMAL FACTOR (Ct): 1.00

5. WIND DESIGN DATA

WIND PRESSURES ARE BASED ON CHAPTER 26 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:

A. ULTIMATE DESIGN WIND SPEED (Vult): 125 MPH (3 SECOND GUST) B. NOMINAL DESIGN WIND SPEED (Vasd): 96.8 MPH C. RISK CATEGORY:

E. INTERNAL PRESSURE COEFFICIENT (GCPI): +0.18/-0.18 F. COMPONENTS AND CLADDING: SEE DIAGRAM

6. SEISMIC DESIGN DATA

D. WIND EXPOSURE CATEGORY:

THE STRUCTURE AND COMPONENTS OF THE BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE WITH THE FOLLOWING CRITERIA:

A. RISK CATEGORY: B. SEISMIC IMPORTANCE FACTOR, le: 1.25 C. 0.2 SEC. MAPPED SPECTRAL ACCELERATION (Ss): 0.294G D. 1 SEC. MAPPED SPECTRAL ACCELERATION (S1): 0.061G

E. SITE CLASS: F. 0.2 SEC SPECTRAL RESPONSE COEFF. (SDS): 0.252G 0.061G G. 1 SEC SPECTRAL RESPONSE COEFF. (SD1):

H. SEISMIC DESIGN CATEGORY: I. BASIC SEISMIC-FORCE RESISTING SYSTEMS STEEL SYSTEM 275.88 J. DESIGN SEISMIC BASE SHEAR (KIPS): K. SEISMIC RESPONSE COEFFICIENT, Cs: 0.11

L. RESPONSE MODIFICATION FACTOR, R: M. ANALYTICAL PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE (ELFP)

7. SEISMIC DEMANDS ON NONSTRUCTURAL COMPONENTS

SEISMIC DEMAND ON NONSTRUCTURAL COMPONENTS AND CONNECTIONS OF THOSE COMPONENTS TO THE PRIMARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE, THE GENERAL SEISMIC CRITERIA LISTED ABOVE, AND THE REQUIREMENTS OF ASCE 7, CHAPTER 13 AS APPROPRIATE.

8. GEOTECHNICAL INFORMATION

THE STRUCTURE HAS BEEN DESIGNED BASED ON INFORMATION PROVIDED IN THE GEOTECHNICAL ENGINEERING REPORT BY GEOTECHNICAL ENGINEER (DATED: 3/4/2017) AND THE FOLLOWING CRITERIA: A. ALLOWABLE BEARING: 4000 PSF

B. SUBGRADE MODULUS: ### PCI

9. FLOOD DESIGN CRITERIA THE BUILDING IS NOT LOCATED IN WHOLE OR IN PART WITHIN A FLOOD HAZARD AREA AS ESTABLISHED PER THE PREVIOUSLY MENTIONED BUILDING CODE.

10. ROOF RAIN LOAD DATA

THE DESIGN RAINFALL BASED ON THE 100 - YEAR HOURLY RAINFALL RATE OR DETERMINED BY LOCAL WEATHER USED IN THE DESIGN OF THE BUILDING IS BASED ON THE FOLLOWING:

A. RAIN INTENSITY (i): 2.18 IN/HR 11. HANDRAILS AND GUARDS

THE HANDRAIL ASSEMBLIES AND GUARDS SHALL BE DESIGNED FOR 50 PLF OR A CONCENTRATED LOAD OF 200 POUNDS AT ANY POINT APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE. THESE LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.

12. INTERIOR WALLS AND PARTITIONS

INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT SHALL HAVE ADEQUATE STRENGTH TO RESIST LOADS THEY ARE SUBJECT TO, BUT NOT LESS THAN A HORIZONTAL UNIFORM LOAD OF 5 PSF.

13. FUTURE EXPANSION

NO PROVISIONS HAVE BEEN MADE IN THE STRUCTURAL DESIGN FOR FUTURE HORIZONTAL OR VERTICAL BUILDING EXPANSIONS.

14. RESTRAINED CONSTRUCTION CLASSIFICATION

IN ACCORDANCE WITH ASTM E 119, ALL FLOOR CONSTRUCTION IS CLASSIFIED AS RESTRAINED CONSTRUCTION.

15. ROOF TOP EQUIPMENT ANCHORAGE

ALL ROOF TOP EQUIPMENT CURBS, MECHANICAL EQUIPMENT, TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO BUILDING STRUCTURE FOR WIND AND SEISMIC LOADING ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE EQUIPMENT SUPPLIER.

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS." HOT ROLLED STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 OR ASTM A572 GRADE 50. HOLLOW STRUCTURAL SHAPES (HSS) SHALL CONFORM TO ASTM A500 GRADE B. ANGLES, CHANNELS, AND OTHER MISCELLANEOUS METALS SHALL

CONFORM TO ASTM A36. 2. STEEL CONNECTIONS ARE SHOWN SCHEMATICALLY. FABRICATOR IS RESPONSIBLE FOR DESIGN AND DETAILING OF CONNECTIONS, INCLUDING MATERIAL GRADE AND SIZES, WELD SIZES, AND NUMBER OF BOLTS. ADDITIONAL CONNECTION ELEMENTS MAY NOT BE SPECIFICALLY SHOWN ON THE SCHEMATIC DETAILS BUT MAY BE REQUIRED BY THE FINAL CONNECTION DESIGN, SUCH AS STIFFENER PLATES, DOUBLER PLATES,

SUPPLEMENT / REINFORCING PLATES OR OTHER CONNECTION MATERIAL. 3. ALL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE EITHER WELDED CONNECTIONS, OR BOLTED CONNECTIONS USING ASTM

4. CUTS, HOLES, COPES, ETC., REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON SHOP DRAWINGS AND MADE IN THE SHOP. FIELD CUTTING OR BURNING WILL NOT BE PERMITTED.

5. ALL WELDING BOTH SHOP AND FIELD, SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS. WELDING ELECTRODES SHALL CONFORM TO ASTM A233, E70-XX. MINIMUM WELD SIZE SHALL BE 1/4 INCHES (FILLET) UNLESS OTHERWISE NOTED. WELDED CONNECTIONS SHALL BE DESIGNED TO BE STRESSED TO LESS THAN 50% OF THEIR ALLOWABLE CAPACITIES.

6. STRUCTURAL STEEL SHALL RECEIVE A SHOP COAT OF RUST INHIBITING PAINT **EXCEPT AS FOLLOWS:**

A. CONTACT MILLED BEARING SURFACES B. WITHIN TWO INCHES OF FIELD WELDS. 7. AFTER ERECTION, ALL DAMAGED AREAS IN THE SHOP COAT SHALL BE

REPAIRED WITH THE SAME PAINT USED FOR THE SHOP COAT. 8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.

EXCAVATION & BACKFILL NOTES

1. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE GEOTECHINCAL REPORT REPORT BY GEOTECHINCAL ENGINEER, DATED 3/4/2017. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT/ENGINEER ANY VARIATIONS.

2. EXCAVATIONS TO BE SHEETED AND BRACED, OR LAID BACK TO PREVENT SLOUGHING IN OF THE EXCAVATED AREAS PER OSHA REGULATIONS. 3. ALL EXCAVATIONS AND GRADES PREPARED FOR BEARING SHALL BE INSPECTED BY A

QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT NONCONFORMING CONDITIONS 4. THE CONTRACTOR SHALL DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATION. THE CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL ENGINEER FOR REVIEW THE PROPOSED PLAN FOR DEWATERING, PRIOR

TO EXCAVATION. PLACE ALL FOOTINGS ON FIRM, DRY, LEVEL, ACCEPTABLE BEARING SOIL. 6. FROST DEPTH FOR THIS PROJECT IS 4'-0" BELOW GRADE. FINISH GRADE SHALL BE MAINTAINED A MINIMUM OF 3'-0" ABOVE TOP OF FOUNDATIONS UNLESS NOTED

7. TOP OF FOOTING ELEVATIONS PROVIDED ON CONSTRUCTION DRAWINGS ARE FOR PURPOSES OF DESIGN. NOTIFY THE ENGINEER IF TOP OF FOOTING ELEVATIONS NEED TO BE ADJUSTED BASED ON CONTRACTOR'S FIELD COORDINATION OR GEOTECHNICAL

ENGINEER'S RECOMMENDATIONS. 8. REMOVE AND DISPOSE OF LEGALLY FROM SITE; UNACCEPTABLE BEARING SOIL, EXCESS EXCAVATED MATERIAL, ASPHALT MATERIAL (SEE SITE PLANS).

9. WHERE FILL IS REQUIRED UNDER BEARING CONDITIONS, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE. 10. THE DESIGN OF WALLS RETAINING EARTH DOES NOT INCLUDE HYDROSTATIC PRESSURE

LOADS UNLESS NOTED OTHERWISE, AND ASSUMES A DRAINAGE SYSTEM IS IN PLACE WHERE REQUIRED 11. BACKFILL WITHIN BUILDING - TO WITHIN 6 INCHES OF UNDERSIDE OF FLOOR SLAB SHALL BE "SUBBASE COURSE" CONSISTING OF HARD DURABLE PEBBLES, ROCK FRAGMENTS AND SOIL BINDER. IT SHALL BE FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS

PASSING NO. 40 SIEVE, AND NOT MORE THAN 10% PASSING NO. 200 SIEVE. 12. UNDER SLABS ON GRADE - POROUS 6 INCH LIFT OF WASHED "CRUSHED STONES"

MATERIAL. GRADATION: 2 INCHES MAXIMUM SIZE, 25-60% PASSING THE 1/4" SIEVE, 5-40%

CONSISTING OF: ASTM #57 STONE. 13. BACKFILL OUTSIDE OF BUILDING - "SELECT GRANULAR FILL" CONSISTING OF SAND, FINE GRAVEL, COARSE SILT, OR SIMILAR NON-COHESIVE HARD DURABLE MATERIALS AND SOIL BINDERS WITHOUT EXCESSIVE CLAY, ORGANIC MATTER, OR FROZEN OR DELETERIOUS MATERIAL. GRADATION: 4 INCHES MAXIMUM SIZE, 0-70% PASSING THE #40 SIEVE AND

0-15% PASSING THE #200 SIEVE. 14. FILL COMPACTION: WITHIN BUILDING - 95% DRY DENSITY MODIFIED PROCTOR OUTSIDE OF

BUILDING - 95% DRY DENSITY MODIFIED PROCTOR. 15. FILL PLACEMENT - BACKFILL SHALL NOT BE PLACED AGAINST WALLS UNTIL THE WALLS HAVE ACHIEVED SPECIFIED DESIGN STRENGTH. PLACE FILL SIMULTANEOUSLY ON EACH SIDE OF FOUNDATION WALL IN 6 INCH LIFTS. THE MAXIMUM DIFFERENCE IN ELEVATION ON EITHER SIDE OF WALL SHALL NOT EXCEED 1'-6".

16. STRUCTURAL STEEL FRAMING PROVIDES LATERAL RESTRAINT OF BASEMENT FOUNDATION

WALLS. STEEL FRAMING AND DECKING SHALL BE IN PLACE PRIOR TO BACKFILLING. WHERE

THIS CANNOT BE ACCOMMODATED THE WALL SHALL BE SHORED CONTINUALLY AND THE

ENGINEER NOTIFIED.

COMPOSITE DECK NOTES 1. ALL METAL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" BY THE STEEL DECK

INSTITUTE (SDI). 2. UNLESS NOTED OTHERWISE ON THE DRAWINGS FOR SPECIFIC LOCATIONS, ALL COMPOSITE METAL DECK SHALL BE TYPE 2VLI, 20 GAUGE.

3. UNLESS NOTED OTHERWISE, DECK GAUGES HAVE BEEN SELECTED TO SUSTAIN THE WEIGHT OF WET CONCRETE WITHOUT SHORING FOR THREE SPAN CONDITIONS. CONTRACTOR SHALL PROVIDE SHORING OF METAL DECK FOR CONCRETE PLACEMENT WHERE DECK SPANS AND CONSTRUCTION LOADS EXCEED THE RECOMMENDED VALUES BY THE

MANUFACTURER. 4. UNLESS NOTED OTHERWISE, ALL DECKING SHALL BE GALVANIZED IN ORDER

TO BE COMPATIBLE WITH FIREPROOFING REQUIREMENTS. 5. PROVIDE STEEL DECKING ACCESSORIES SUCH AS CLOSURES, POUR STOPS AND FILLERS AS INDICATED. ALL OPEN DECK CORES AND EDGES SHALL BE CLOSED WITH METAL CLOSURE PIECES BEFORE CONCRETE IS POURED.

6. PROVIDE PERMANENT SUPPORT ANGLES FOR DECK CUT-OUTS AROUND COLUMNS, AND AT ANY OTHER UNSUPPORTED FREE EDGES. 7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.

ROOF DECK NOTES

FRAMING REQUIRED.

ALL METAL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" BY THE STEEL DECK

INSTITUTE (SDI). 2. REFER TO PLANS FOR NON-COMPOSITE DECK TYPES AND LOCATIONS. 3. METAL DECK SHALL BE 1 1/2 INCH x 20 GAUGE, WIDE RIB TYPE B, CLASS I,

FACTORY MUTUAL APPROVED., UNLESS NOTED OTHERWISE. DECKING SHALL SPAN A MINIMUM OF THREE SPANS. DECK SHALL BE WELDED TO SUPPORTING FRAME WORK. PROVIDE WELDING

AN UPLIFT OF XX PSF. 6. PROVIDE SUPPORT FOR METAL DECK AT XXXX O.C. MAXIMUM. DO NOT SUSPEND MECHANICAL, ELECTRICAL OR PLUMBING ITEMS FROM ROOF DECK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR HANGERS AND SUPPLEMENTAL

WASHERS WHERE NECESSARY. ANCHORING AT ROOF DECK SHALL RESIST

8. UNLESS NOTED OTHERWISE, ALL DECKING SHALL BE GALVANIZED IN ORDER TO BE COMPATIBLE WITH FIREPROOFING REQUIREMENTS. 9. SEE TYPICAL DETAILS AND PROJECT SPECIFICATIONS FOR ATTACHMENT REQUIREMENTS AND FOR WELD PATTERN

10. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.

MASONRY NOTES

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES"

(ACI 530) AND "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1). 2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND TYPE OF MASONRY WALLS. NON-LOADBEARING MAY NOT BE SHOWN ON THE STRUCTURAL

DRAWINGS. 3. ALL CONCRETE UNITS SHALL CONFORM TO ASTM C 90 GRADE N-I AND

ACCORDANCE WITH ASTM C-109. GROUT FOR FILLING CELLS SHALL

SAMPLED IN ACCORDANCE WITH ASTM C 140. CONCRETE STRENGTH OF MASONRY UNITS (BASED ON NET AREA) SHALL BE 1,900 PSI MINIMUM. 4. ALL GROUT SHALL BE NON-SHRINK, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, AS PROPORTIONED IN

CONFORM TO ASTM C-476. SUBMIT MIX DESIGN FOR GROUT. GROUT SHALL BE PLACED IN LIFTS NOT TO EXCEED 4'-0" IN HEIGHT. 6. ALL MORTAR SHALL BE PORTLAND CEMENT, SAND, AND HYDRATED LIME TO CONFORM TO ASTM C270, TYPE S OR TYPE N. NO BAG MIXES ARE

ALLOWED. MINIMUM AVERAGE COMPRESSIVE STRENGTH (AT 28 DAYS) OF

MORTAR SHALL BE: TYPE S - 1,800 PSI - MASONRY FOUNDATION WALLS & PIERS

TYPE N - 750 PSI - BRICK WORK 7. CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND, UNLESS OTHERWISE NOTED. HORIZONTAL AND VERTICAL JOINTS SHALL HAVE A UNIFORM WIDTH OF 3/8 INCHES. SEE ARCHITECTURAL DRAWINGS FOR OTHER BOND PATTERNS OF VENEER BLOCK.

8. PROVIDE VERTICAL REINFORCEMENT IN CELLS OF CONCRETE MASONRY UNITS (FULLY EMBEDDED IN GROUT) AS SHOWN ON THE PLANS, SCHEDULES,

AND OTHER DETAILS PROVIDE HORIZONTAL LADDER TYPE REINFORCEMENT IN BED JOINTS EVERY OTHER COURSE (MAXIMUM SPACING 16" O/C) IN TYPICAL WALLS AND IN EVERY COURSE (MAXIMUM 8" O/C) IN PARAPETS AND CANTILEVERED WALLS. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED AT LEAST SIX INCHES AT SPLICES. REINFORCEMENT SHALL BE SPLICED AT ALL CORNERS AND INTERSECTIONS. PROVIDE W1.7 (9 GAGE) REINFORCEMENT AT 8" CMU

WALLS, AND W2.8 (3/16" DIA.) REINFORCEMENT AT 12" CMU WALLS. 10. GROUT ALL CELLS OF MASONRY UNITS FOR THE FIRST TWO COURSES ABOVE ALL FOUNDATION WALLS AND SLABS. PLACE GROUT IN ALL REINFORCED CELLS. PLACE GROUT IN ALL CELLS THAT ARE TO RECEIVE POST- INSTALLED

WEDGE ANCHORS. 11. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE HORIZONTAL REINFORCING MEETS AT A CORNER OR INTERSECTION.

12. INSTALL LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR NON-BEARING WALLS (SEE SCHEDULE), EXCEPT WHERE OTHERWISE INDICATED ON DRAWINGS. ALL EXTERIOR LINTELS TO BE GALVANIZED. 13. CONTROL JOINTS SHALL BE INCLUDED IN ALL MASONRY CONSTRUCTION.

REFER TO PROJECT DETAILS AND SPECIFICATIONS FOR TYPE AND SIZE REQUIREMENTS. UNLESS NOTED OTHERWISE, CONTROL JOINT LOCATIONS SHALL BE AS FOLLOWS: A. IN REINFORCED CMU

> 25'-0" O/C, b. AT MAX. OF 1/2 SPACING FROM CORNERS, c. AT WALL HEIGHT CHANGES,

d. BETWEEN MAIN AND INTERSECTING WALL, e. AT CHANGES IN WALL THICKNESS. B. IN MASONRY VENEER:

a. SPACING NOT TO EXCEED 20'-0" O/C FOR WALLS WITH MULITPLE OPENINGS (25'-0" O/C FOR WALLS WITHOUT OPENINGS), b. AT OR NEAR CORNERS AND INTERSECTIONS,

c. AT WALL HEIGHT CHANGES, d. WHERE BACKING OR SUPPORT CHANGES. 14. MASONRY WALLS SHALL BE BRACED EITHER BY INTERSECTING WALLS OR BY ANCHORS TO THE STRUCTURE ABOVE. REFER TO TYPICAL DETAILS FOR

a. SPACING NOT TO EXCEED THE LESSER OF 1.5 x WALL HEIGHT OR

BRACING REQUIREMENTS FOR INTERIOR MASONRY WALLS. 15. SUBMIT REINFORCING SHOP DRAWINGS.

COMPONENTS AND CLADDING DESIGN PRESSURES EFFECTIVE WIND AREA 10 SQ. FT. 20 SQ. FT. 50 SQ. FT. 100 SQ. FT. 16.0 / -36.7 PSF 16.0 / -34.2 PSF 16.0 / -31.1 PSF 16.0 / -28.6 PSF 16.0 / -21.1 PSF 16.0 / -21.1 PSF 16.0 / -21.1 PSF 16.0 / -21.1 PSF 16.0 / -48.3 PSF 16.0 / -45.2 PSF 16.0 / -41.1 PSF 16.0 / -38.0 PSF 16.0 / -65.8 PSF 16.0 / -59.7 PSF 16.0 / -51.5 PSF 16.0 / -45.3 PSF 23.4 / -25.0 PSF 22.3 / -23.9 PSF 20.9 / -22.5 PSF 19.8 / -21.5 PSF 23.4 / -30.8 PSF 22.3 / -28.7 PSF 20.9 / -26.0 PSF 19.9 / -23.9 PSF OVERHANG 1 -33.2 PSF -32.6 PSF -31.8 PSF -31.2 PSF -33.2 PSF -31.8 PSF -31.2 PSF OVERHANG 1 -32.6 PSF -44.8 PSF -35.2 PSF -31.1 PSF OVERHANG 2 -40.7 PSF

-55.1 PSF

WIND PRESSURES ARE TO BE CONSIDERED AS ULTIMATE VALUES.

-62.3 PSF

OVERHANG 3

SURFACE, RESPECTIVELY.

Flat Roofs, $\theta \leq 7^{\circ}$

PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE. 2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE

3. SEE 'DESIGN CRITERIA NOTES' ON DRAWING S-800 FOR OTHER PERTINENT INFORMATION.

4. ALL NET DESIGN WIND PRESSURE VALUES ARE TAKEN FROM ASCE 7-16 SECTION 30.5. ALL

SEE ROOF TYPES

-45.5 PSF

-38.3 PSF

COMPONENT AND CLADDING PRESSURE ZONE DIAGRAMS (FOR USE WITH SCHEDULE ABOVE

EXTERIOR WALLS

CPL | Architecture Engineering Planning 30 Century Hill Dr. Suite 104 Latham, NY 12110

CPLteam.com

PROJECT INFORMATION

14428.20 **OSSINING UNION FREE**

SCHOOL DISTRIC 2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

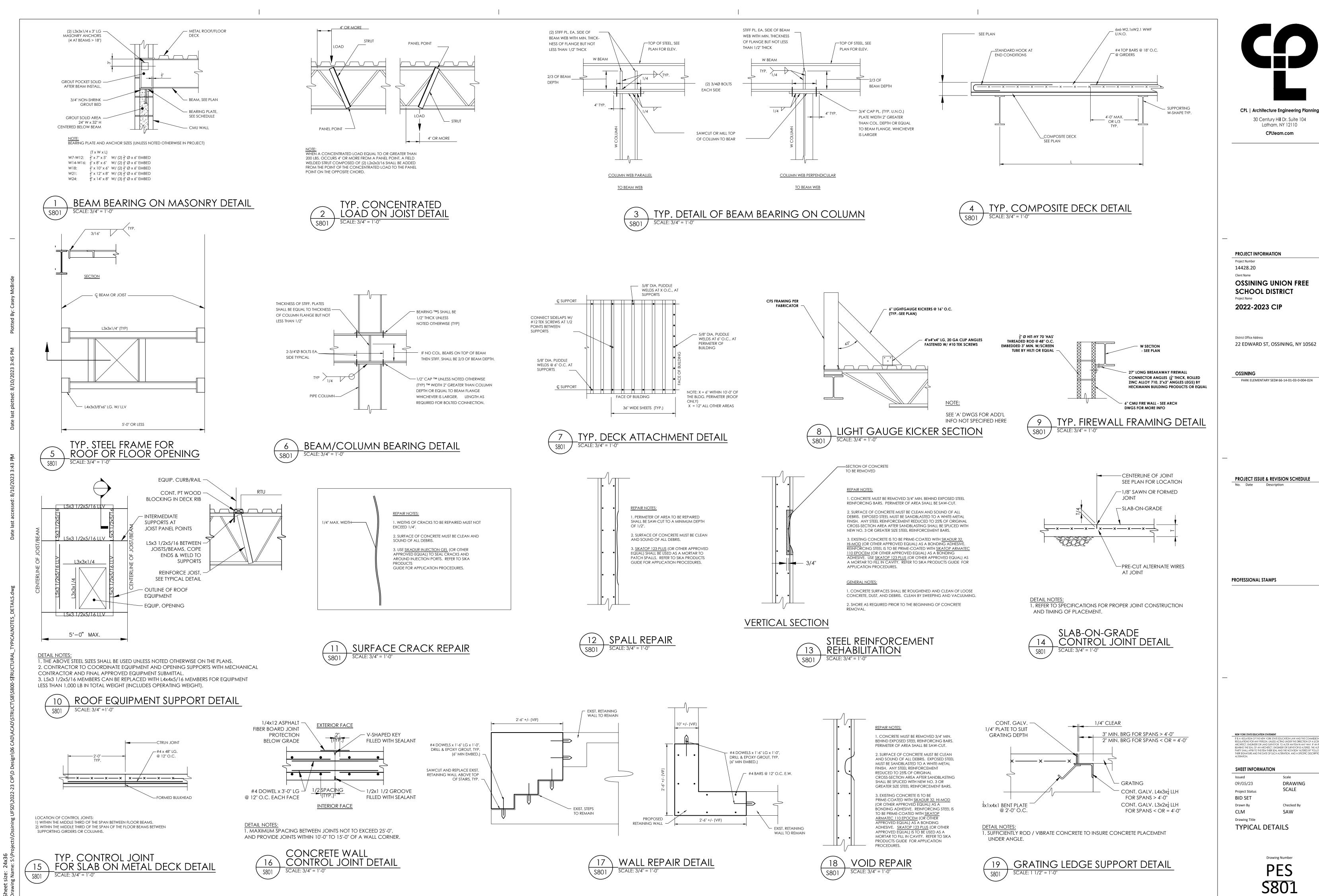
PROFESSIONAL STAMPS

SHEET INFORMATION Issued DRAWING 09/05/23 Project Status BID SET

CLM **Drawing Title**

SHEET NOTES

Drawn By



Scale

DRAWING

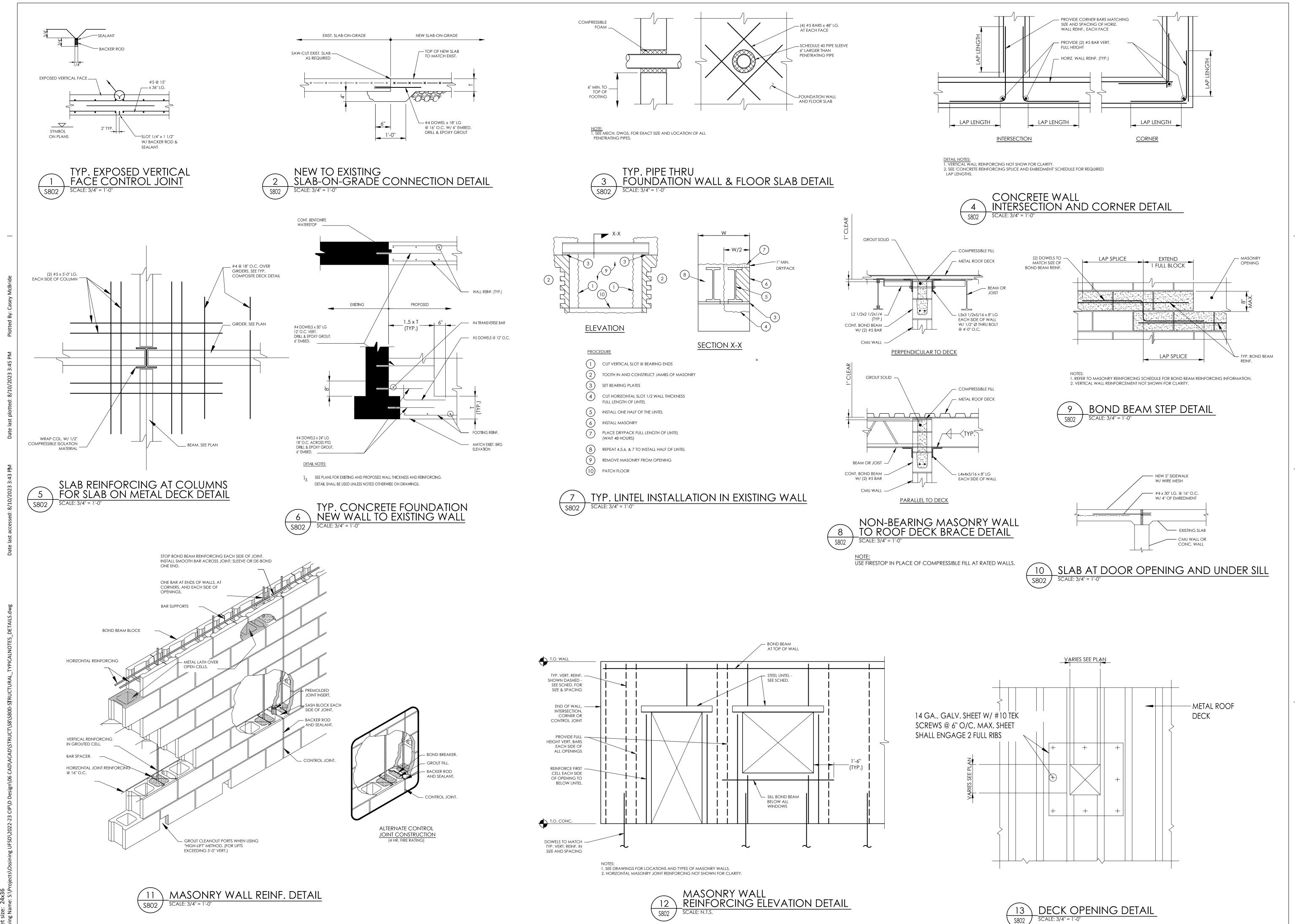
SCALE

Checked By

SAW

Latham, NY 12110

CPLteam.com





PROJECT INFORMATION

2022-2023 CIP

14428.20 Client Name

Project Number

OSSINING UNION FREE SCHOOL DISTRICT
Project Name

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERNOP ARRIY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED.

Scale

Issued 09/05/23

O9/05/23 DRAWING
SCALE
BID SET
Drawn By Checked By
CLM SAW
Drawing Title

TYPICAL DETAILS

PES S802

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COL MARK	A		В		С	D		E			F			G	Н		I		J	K	I	-		М		N	N	'		0		O'	Р		Q			R	R'	S		6.3		7	8.5	9.3
COL. MARK	1 3	4		4	1 4	4 5	1	3	4	1	3	4	5	6 7	1	4	5	7	1	7	1 2	2 4	5	7	1	2 4	8	9	5	6 7	8	9	1	4 5	6	8	9	1	5 1	2	4	0 (Q Q	N'	0' () N'
ROOF EL. (25'-8")	(24'-9 🞳	-	(24'-48")	(24'-48")	(24'-43")			(24'-9 3")		c	(24'-9 3")		(24'-9 3")		(24'-43")	(24'-4\frac{3"}{8"})	(24'-4 \frac{3}{8}")	(24'-43")	(24'-4 8'')	74-48)	(24'-9\frac{3"}{8"})		(24'-4\frac{3"}{8"})	(24'-4\frac{3}{8}")	(24-9 3")				(24'-9 3")			c	(24'-48")	184-48)				(24'-48")		(24'-93")	-					
2ND. FLOOR EL. (12' - 9 ³ 4')	W12x40	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	W12x40	W12x40 W15x40 HSS5x5x5/16	W12x40	W12x40	HSS5x5x5/16	W12x40	W12x40	HSS5x5x5/16	W12x40 HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	W12x40	HSS5x5x5/16	W12x40 HSSx5x5/16	HSS5x5x5/16	W12x40	HSS5x5x5/16	W12X40 HSS5x5x1/2	HSS5x5x1/2	W8x48	HSS5x5x5/16	V6X12 (+1'-11 ½"') V8X35	(+2'-10 ½"') V6×12	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16 HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	HSS5x5x5/16	W 12x40	HSS5x5x5/16 W12x40	(+1'-2 ½") W6x12 (+1'-2 ½")	V6x12 +1'-2 \frac{1}{4}")		√6×12 +2′-10 ½"")	W6x12 HSS5x5x1/2
	(12-9 4")	(12'-9 3")	(11'-6 \frac{3}{4}")	(11'-6\frac{3"}{4}")	(11'-6\frac{3}{4}")	(12'-9 \frac{2}{4}")	(12'-9 3")	(11'-11 3")	(12'-9 ³ ")	(12'-9 4\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(11'-11 \frac{2}{4}')	(12'-93")	(11'-11 3")		(11'-6\frac{3"}{4"})	(11'-6\frac{3}{4}")	(11'-6 ³ / ₄ ')	(11'-6 3")	(11'-6 4 <u>4</u> ')	150-11	(12-9 47)	(12'-9 🖑)	(11'-6\frac{3"}{4})	(11'-6\frac{3}{4}')	(12'-9 3")	(12'-9 3")	2	2	(12'-9 4)	(12'-9\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(12'-9 ¾')	(12'-9 ³ / ₄ ")	(11'-64g")	(12'-9\frac{3}{4})	(12'-9 3")	(12'-9 ³ ")	(12-9 4/4)	(11'-6\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(12'-9 43')	(11'-11 3")	(12-9 4개)					_
1ST. FLOOR EL. (0'-0")	W12x50	HSS5x5x1/2	E R	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2	W12x50	W12x50 W12x50 HSS5x5x1/2	W12x50	W12x50	HSS5x5x1/2	W12x50		꿈	W12x50 HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2	W12x50		W12x50 W12x50 HSS5x5x1/2	HSS5x5x1/2	W12x50	HSS5x5x1/2	(+3'-8") HSS5x5x17	(+3-8") HSS5x5x17	W8x48	HSS5x5x1/2 (+0- ¾")	W8X35 (+1'- ³ ") W8X35	(+2'-3") W8x35	HSS5x5x1/2	HSS5x5x1/2	HSS5x5x1/2 (+0'-3") HSS5x5x1/7	(+1'-3") HSS5x5x1/2	(+2'-3") HSS5x5x1/2	HSS5x5x1/2	1761 1:		HSS5x5x1/2 W12x50					(+3'-8") HSS5x5x1/
	(-0'-7 \frac{1}{4}")	(-0'-7 1")	(-0'-7 \frac{1}{4}")	(-0'-7 ½'')	(-0'-7 1")	(-0'-7 1")	(-0'-7 ½")	(-0'-11 1")	(-0'-11 \frac{1}{4}")	(-0'-7 4")	(-0'-11 ½")				(-0'-7 \frac{1}{4}")	(-0'-11 1")	4	(-0'-7 ½)	(-0'-7 4")	[1]	(-0'-/ 4")	(-0'-11 1")	(-0'-11 ½")		(-0'-7 \frac{1}{4}")	11-	(-0'-11 ½")	=	(-0'-11 ½") (-0'-11 ½")			,	(-0'-7 4")				[1]	(-0'-/ ¼")	(-0'-7 ½'')	(-0'-7 1")	(-0'-7 4")					
BASE PLATE TYPE	BP4 BP1	BP4	BP1 BF	P1 B	P1 BP	P2 BP4	4 BP4	4 BP1	BP4	BP4	BP1 I	BP4 BF	P4 BI	P1 BP	4 BP1	BP2	BP3	BP1	BP1 I	BP1	BP4 BF	P1 BP4	BP1	BP1	BP4 B	P1 BP4	1/\$200	1/\$200	BP5 B	SP1 BP5	BP5	BP5	BP1 I	BP2 BP	1 BP1	BP1	BP1	BP1 B	P1 BP1	BP4	BP1				1/\$2	000

EXISTING BASE PLATE SCHEDULE									
MARK	WIDTH "W"	LENGTH "L"	THICKNESS						
BP1	0'-8"	1'-0''	0'-0 1/2"						
BP2	0'-8"	1'-0''	0'-0 5/8''						
BP3	0'-8"	1'-0''	0'-0 3/4"						
BP4	0'-10''	1'-2"	0'-0 1/2"						
BP5	0'-10''	1'-0''	0'-0 1/2"						

1. $\frac{3}{4}$ Ø ASTM A307 ANCHOR BOLTS WERE PROVIDED FOR NON-MOMENT BASE PLATE.

	MASONRY SPLICE	SCHEDULE
BAR SIZE	SPLICE LENGTHS (IN.)	ANCHORAGE EMBEDMENT LENGTHS (IN.)
#3	20	16
#4	28	22
#5	34	27
#6	57	45
#7	68	52
#8	80	64
#9	90	72

BASED ON THE FOLLOWING:

N/A = NOT APPLICABLE

1. fy=60,000 PSI 2. fm=1,350 PSI PARTIALLY GROUTED

	1717.05	——————————————————————————————————————	NFORCING SCHE		
	EXTERIOR WALLS	BEARING WALLS	STAIR/ELEVATOR WALLS	SHEAR WALLS	ALL OTHER WALLS
CMU WIDTH	8"	8"	8"	8"	SEE PLANS
DOWEL FROM FOUND. INTO WALL	MATCH TYP. VERTICAL REINF.	MATCH TYP. VERTICAL REINF.	MATCH TYP. VERTICAL REINF.	MATCH TYP. VERTICAL REINF.	#4 BAR @ 32" O.C.
TYP. VERTICAL REINF. (FULL HEIGHT)	#5 BAR @ 32" O.C.	#5 BAR @ 48" O.C.	#5 BAR @ 24" O.C.	#5 BAR @ 24" O.C.	#4 BAR @ 64" O.C.
ADDTNL VERTICAL REINF.	N/A	N/A	(4) #8 BAR @ EACH END	(8) #8 BAR @ EACH END	N/A
TYP. HORIZONTAL REINF.	9 GA. JOINT REINF. @ 16" O.C.	9 GA. JOINT REINF. @ 16" O.C.	9 GA. JOINT REINF. @ 8" O.C.	(2) #4 BAR @ 8" O.C.	9 GA. JOINT REINF @ 16" O.C.
ADDTNL HORIZONTAL REINF.	N/A	N/A	N/A	N/A	N/A
CONT. BOND BEAM AT TOP OF WALL & EACH FLOOR LEVEL	16" TALL w/ (2) #5 BAR CONT.	16" TALL w/ (2) #5 BAR CONT.	16" TALL w/ (2) #5 BAR CONT.	16" TALL w/ (2) #5 BAR CONT.	8" TALL w/ (1) #4 BAR CONT.
ADDTNL BOND BEAM	16" TALL w/ (2) #4 BAR BELOW WINDOWS	N/A	N/A	N/A	N/A
REMARKS				USE IVANY BLOCK (fm = 2,000 PSI)	

SCHEDULE NOTES:

1. REFERENCE PLANS FOR MASONRY WALL LOCATIONS AND TYPES.

2. REINFORCING IN THIS SCHEDULE SHALL BE USED FOR MASONRY WALLS NOT SPECIFICALLY SHOWN ELSEWHERE.

3. REFERENCE PROJECT SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL MASONRY DETAILING REQUIREMENTS. 4. FOR REQUIRED REINFORCING DEVELOPMENT AND SPLICE LENGTHS REFERENCE THAT SCHEDULE.

5. SPECIFIED REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF WALL. WHERE 2 BARS PER CELL, PROVIDE 1 BAR EACH FACE. 6. GROUT SOLID ALL BLOCK CORES CONTINUOUSLY BELOW FINISH ON GRADE FLOOR AND FOR THE FIRST TWO CORES ABOVE TOP OF FOUNDATION WALL.

CONCR	ETE REINFORC	ING SPLICE/E	MBEDMENT SO	CHEDULE				
BAR SIZE	SPLICE LE	NGTH (IN.)	EMBEDMENT LENGTH (IN.)					
SI [METRIC]	f'c=3,000 PSI	f'c=4,000 PSI	f'c=3,000 PSI	f'c=4,000 PSI				
#3 [#10]	22	19	17	15				
#4 [#13]	29	25	22	19				
#5 [#16]	36	31	28	24				
#6 [#19]	43	37	33	29				
#7 [#22]	63	54	48	42				
#8 [#25]	72	62	55	48				
#9 [#29]	81	70	62	54				
#10 [#32]	91	79	70	61				
#11 [#36]	101	87	78	67				
#14 [#43]	NOT PERMITTED	NOT PERMITTED	93	81				
#18 [#57]	NOT PERMITTED	NOT PERMITTED	124	108				

SCHEDULE NOTES: 1. VALUES ARE BASED ON GRADE 60, UNCOATED REINFORCING, AND NORMAL WEIGHT

2. VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT

AND COVER MEETING CODE REQUIREMENTS.

3. VALUES ARE BASED ON CONCRETE COVER NOT LESS THAN 1 BAR DIAMETER AND

SPACING NOT LESS THAN 2 BAR DIAMETERS.

4. VALUES TO BE USED UNLESS SPECIFICALLY NOTED ON THE DRAWINGS. 5. FOR ALL OTHER CRITERIA, REFER TO PROJECT SPECIFICATIONS.

WALL TYPE	SPAN	LINTEL
	1'-4" to 4'-6"	L 4 x 3 1/2 x 5/16 (L.L.V.)
4" MASONRY	4'-7" to 5'-6"	L 4 x 3 1/2 x 5/16 (L.L.V.)
/ VENEER	5'-7" to 6'-6"	L 5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	L 6 x 3 1/2 x 5/16 (L.L.V.)
	1'-4" to 4'-6"	WT 4 x 9
	4'-7" to 5'-6"	WT 4 x 10.5
6" BLOCK	5'-7" to 6'-6"	WT 5 x 13
	6'-7" to 7'-6"	WT 5 x 13
	7'-7" to 9'-0"	W8 x 10 + 5 1/2 x 5/16 PL.
	1'-4" to 4'-6"	(2) - L4 x 3 1/2 x 5/16 (L.L.V.)
	4'-7" to 5'-6"	(2) - L4 x 3 1/2 x 5/16 (L.L.V.)
8" BLOCK	5'-7" to 6'-6"	(2) - L5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	(2) - L6 x 3 1/2 x 5/16 (L.L.V.)
	7'-7" to 9'-0"	WT 9 x 25
4" BRICK &	1'-4" to 4'-6"	(3) - L4 x 3 1/2 x 5/16 (L.L.V.)
8" BLOCK	4'-7" to 5'-6"	(3) - L4 x 3 1/2 x 5/16 (L.L.V.)
OR 12" BLOCK	5'-7" to 6'-6"	(3) - L5 x 3 1/2 x 5/16 (L.L.V.)
12 BLOCK	6'-7" to 7'-6"	(3) - L6 x 3 1/2 x 5/16 (L.L.V.)
	1'-4" to 4'-6"	(4) - L4 × 3 1/2 × 5/16 (L.L.V.)
4" BRICK &	4'-7" to 5'-6"	(4) - L4 x 3 1/2 x 5/16 (L.L.V.)
12" BLOCK	5'-7" to 6'-6"	(4) - L5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	(4) - L6 x 3 1/2 x 5/16 (L.L.V.)

INTERIOR MASONRY WALLS AS SCHEDULED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

2. MINIMUM BEARING FOR ALL LINTELS SHALL BE 8" EACH END.

3. BLOCK WALLS SHALL BE GROUTED SOLID 3 COURSES BELOW BEARING POINT FOR A WIDTH OF 16" UNLESS NOTED OTHERWISE ON STRUCTURAL FRAMING PLANS.

4. SEE ARCH., HVAC, & PLUMBING DRAWINGS FOR SIZE AND LOCATION OF ALL WALL OPENINGS.

5. CONTRACTOR SHALL PROVIDE AN ADDITIONAL 50 FT. OF ANGLE

 $5 \times 3 \frac{1}{2} \times \frac{5}{16}$ OR THE EQUIVALENT.

6. FOR LINTEL SPANS GRATER THAN 6'-0", BOLT ASSEMBLIES TOGETHER AT 1/3 POINTS.

7. WHERE LINTELS REQUIRE 3 ANGLES, PROVIDE A 3/16" PLATE EQUAL TO WALL WIDTH ACROSS SPAN, ATTACHED TO BOTTOM OF THE LINTEL.

_	
	PROJECT INFORMATION
	Project Number
	4.4420.20

14428.20

OSSINING UNION FREE SCHOOL DISTRICT

CPL | Architecture Engineering Planning 30 Century Hill Dr. Suite 104 Latham, NY 12110 CPLteam.com

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

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SHEET INFORMATION Issued DRAWING 09/05/23 Project Status BID SET

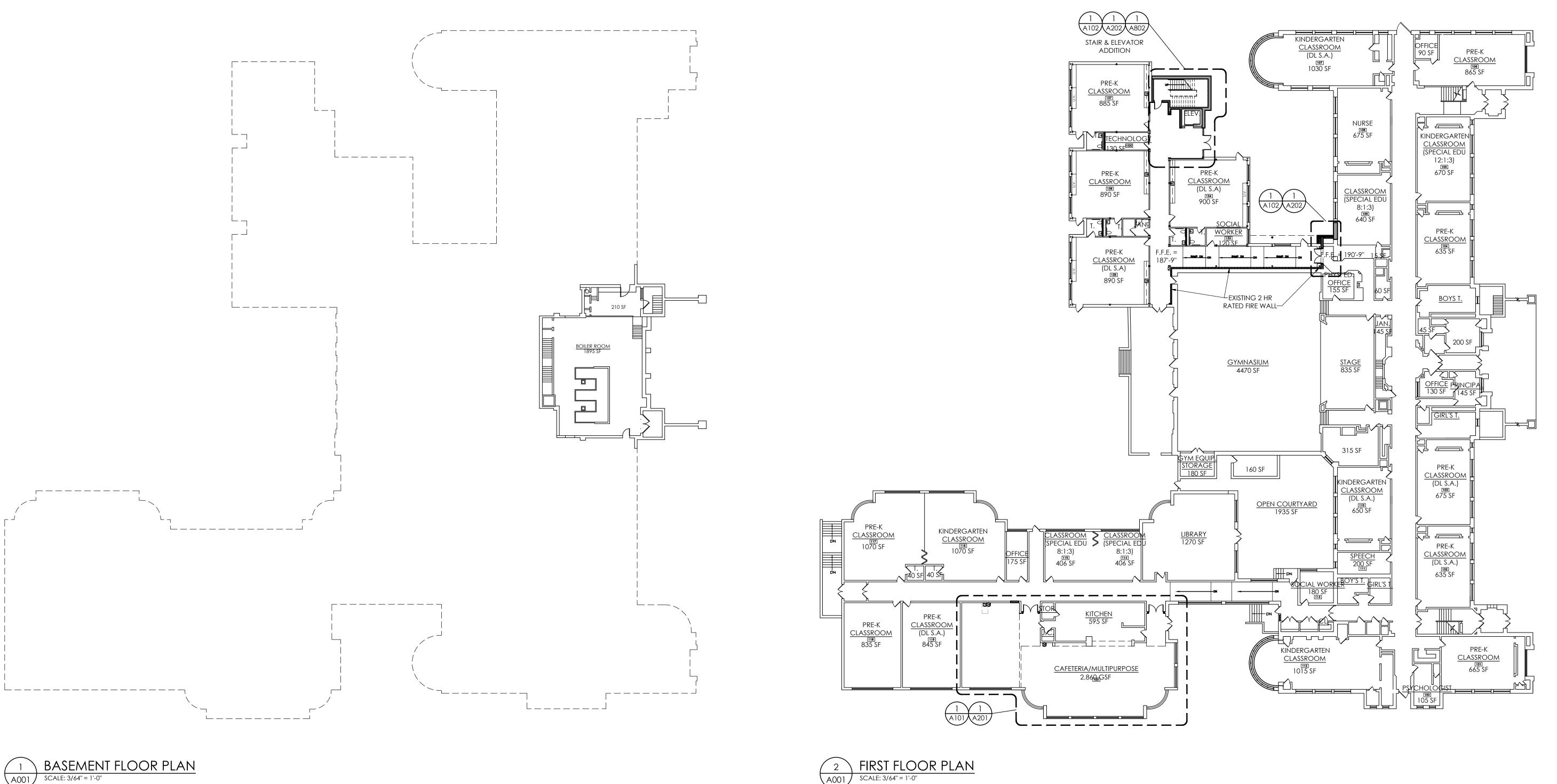
Drawn By CLM

Drawing Title STRUCTURAL SCHEDULES





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PROJECT INFORMATION

Project Number
14428.20
Client Name

OSSINING UNION FREE SCHOOL
DISTRICT
Project Name
2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

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NEW YORK STATE EDUCATION STATEMENT

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REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
ARCHIECT, ENCINEER OR LAND SURVEYOR, TO ALTER ANT IEM IN ANY YAY, IE AN ITEM
BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING
PART SHALL AFRIX TO THE IEM THER SEAL AND THE NOTATION "ALTERED BY FOLLOWED B
THER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF "

SHEET INFORMATION

Issued Scale

09/05/23 AS INDICATED

Project Status

BID SET

Project Status
BID SET
Drawn By
AW
Drawing Title

AW BP
Drawing Title
OVERALL FLOOR PLANS

PES

Sheet size: 24x36

BUILDING CODE INFORMATION: BASED ON THE 2020 BUILDING CODE OF NEW YORK STATE

OCCUPANCY CLASSIFICATION (SECTION 305): EDUCATIONAL GROUP - E

CONSTRUCTION TYPE (SECTION 602): EXISTING= TYPE II-B NEW= TYPE II-B

BUILDING HEIGHT (SECTION 504.3 & 504.4):
EXISTING= 3 STORY
NEW= 2 STORIES

BUILDING AREAS (SECTION 506.2): EXISTING BUILDING= 69,570 GSF NEW ADDITION= 7,414 GSF

FIRE RESISTANCE RATING REQUIREMENTS (TABLE 601):

PRIMARY STRUCTURAL FRAME = 0 HOUR

BEARING WALLS (EXTERIOR) = 0 HOUR

NON-BEARING WALLS & PARTITIONS (INTERIOR) = 0 HOUR

FLOOR CONST. & ASSOC. SECONDARY MEMBERS = 0 HOUR

ROOF CONST. & ASSOC. SECONDARY MEMBERS = 0 HOUR

ENERGY CODE INFORMATION:
BASED ON THE 2020 ENERGY CONSERVATION
CODE OF NEW YORK STATE

CLIMATE ZONE (TABLE C301.1): 4A

FENESTRATION:

FIXED:

OPERABLE:

U-FACTOR 0.38 MAX.

U-FACTOR 0.45MAX.

ENTRANCE DOORS:

U-FACTOR 0.77 MAX

VERTICAL FENESTRATION AREA: 30% OF ABOVE GRADE WALLS MAX.

SKYLIGHT AREA:

< 3% OF GROSS ROOF AREA (ENTIRE BUILDING) (C402.4.1)

SHGC (PF < 0.2):

ROOF INSULATION:

ABOVE GRADE WALLS:

R-30 MIN. (TABLE C402.1.3)

U-FACTOR 0.104 MAXIMUM (TABLE C402.1.4)

PROVIDED: NEW EXTERIOR CAVITY WALL ASSEMBLY:

EXTERIOR AIR FILM:

R=0.17

4" FACE BRICK:

R=0.44

AIR SPACE:

R=1.00

2" RIGID INSULATION:

R=10.00

U-FACTOR 0.36 MAXIMUM

8" CMU: R=1.11
INTERIOR AIR FILM: R=0.68TOTAL R=13.4 = 0.074 U-FACTOR

PLUMBING FIXTURES:
EXISTING BUILDING: EXISTING TO REMAIN.
ADDITION SERVED BY NEW TOILET ROOMS:

WATER CLOSETS: 4 REQUIRED; 5 PROVIDED

LAVATORIES: 4 REQUIRED; 5 PROVIDED

DRINKING FOUNTAINS:
2 REQUIRED; 2 PROVIDED.

SERVICE SINK:
1 REQUIRED; 1 PROVIDED

CPL | Architecture Engineering Planning

50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

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OSSINING UNION FREE SCHOOL
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2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

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BEARING THE SEAL OF AN ARCHITECT, ENGINEER OF SURVEYOR S. ALTERED, THE ALTER'S
PARTY SHALL AFFEX TO THE THEIR THEIR SEAL AND THE NOTATION "ALTERED BY FOLLOWE

SHEET INFORMATION

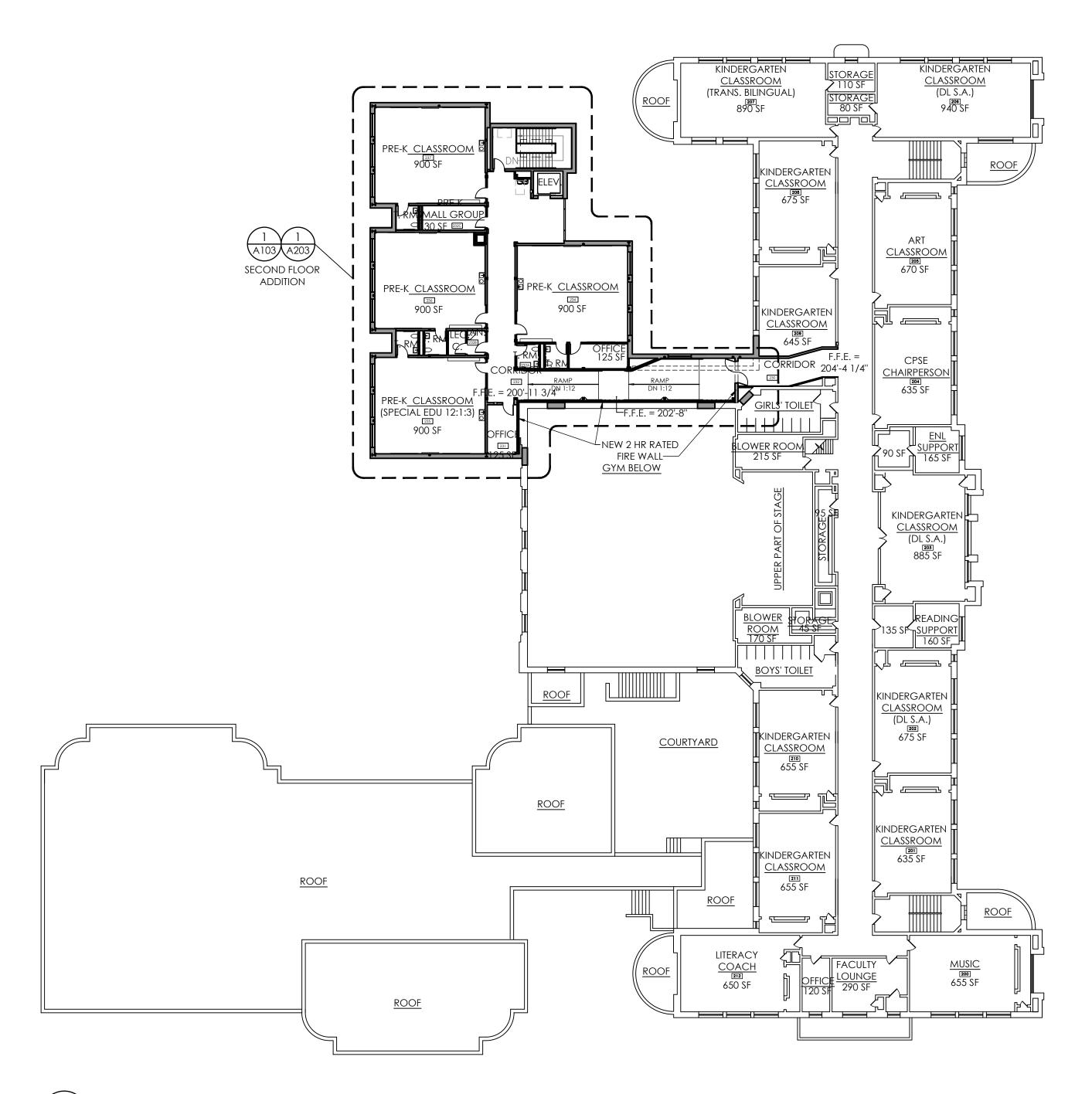
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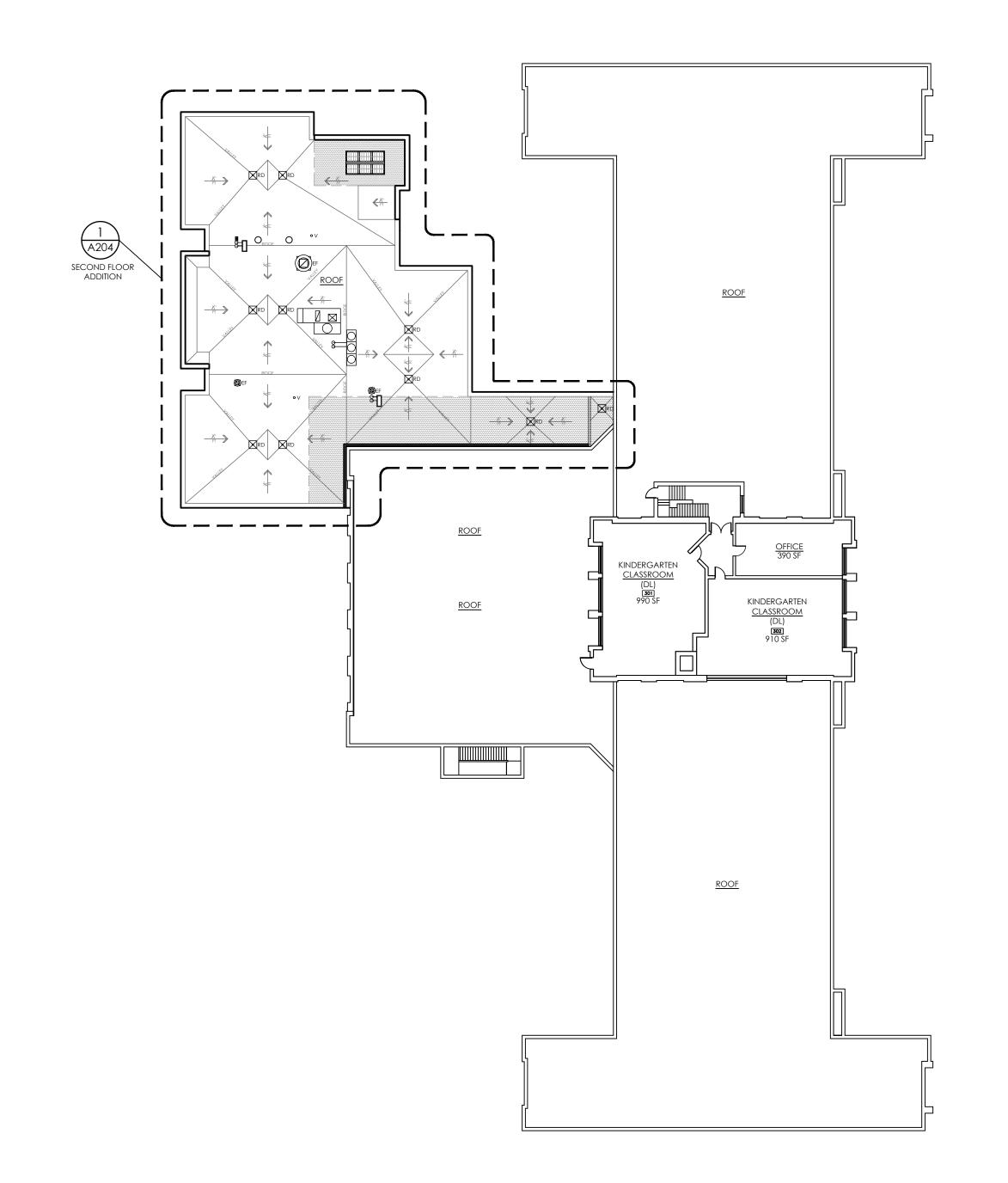
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AW
Drawing Title

OVERALL FLOOR PLANS

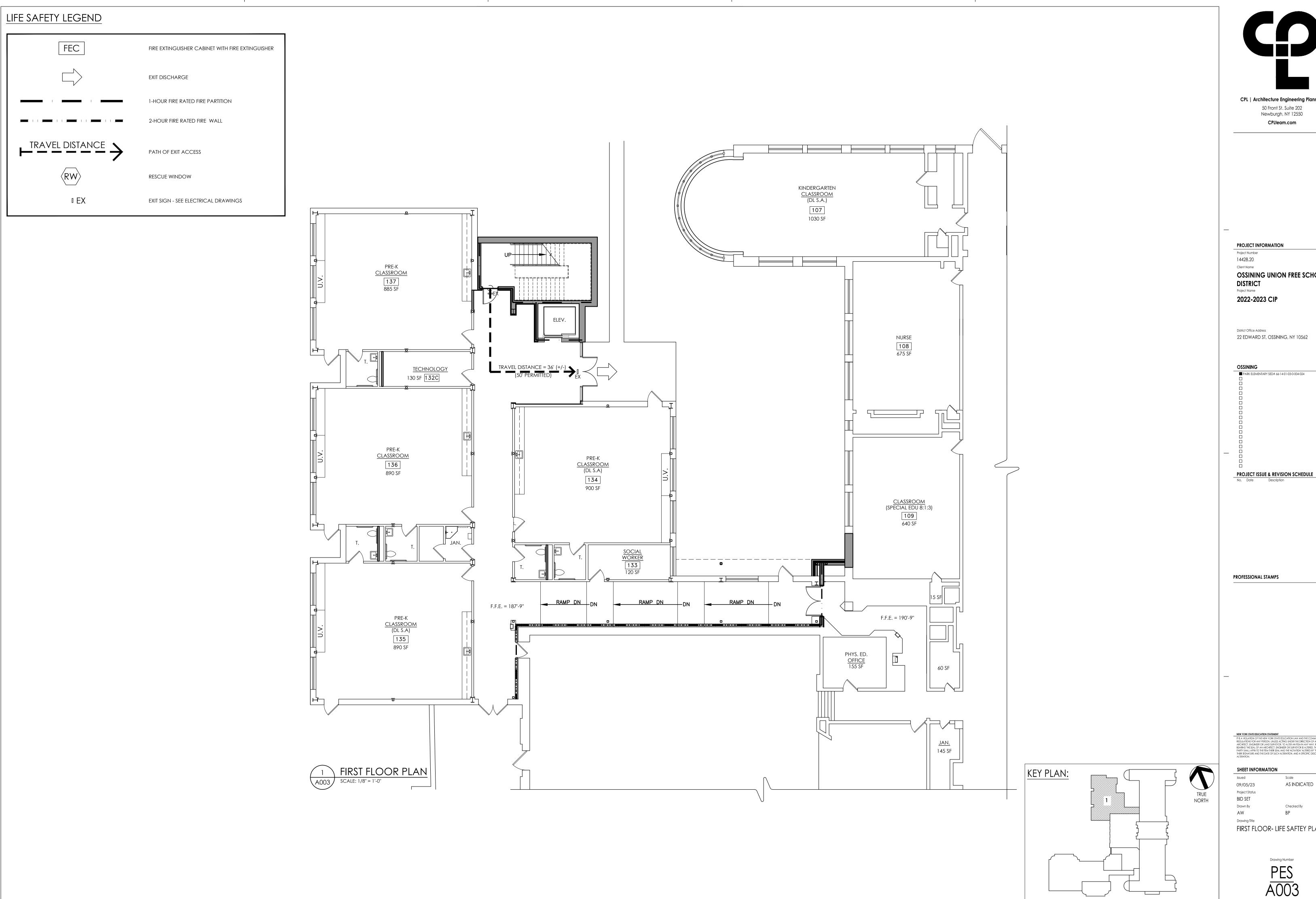
PES A002







SECOND FLOOR PLAN
SCALE: 3/64" = 1'-0"





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PROJECT INFORMATION

14428.20

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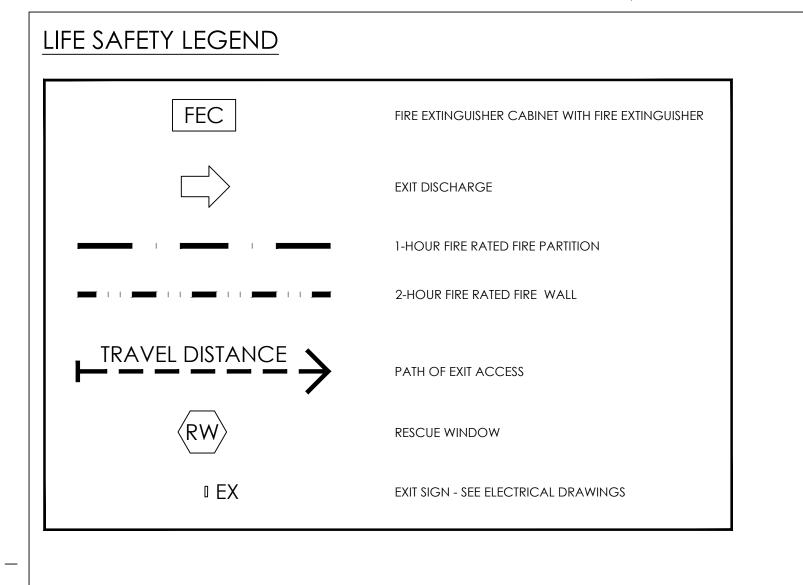
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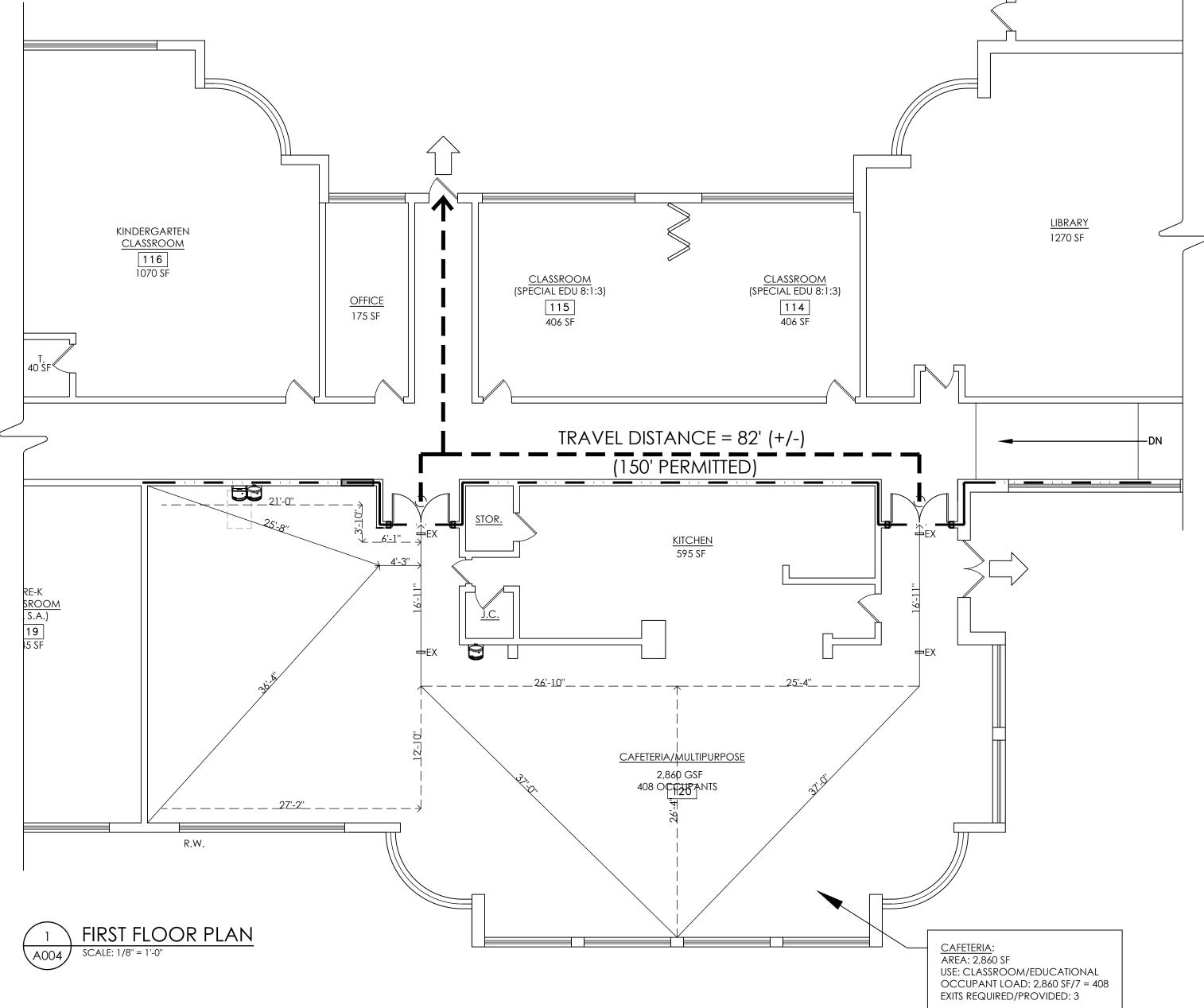
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Issued Scale AS INDICATED 09/05/23 Project Status BID SET

Drawing Title FIRST FLOOR- LIFE SAFTEY PLAN







PROJECT INFORMATION

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No. Date Description

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SHEET INFORMATION

TRUE

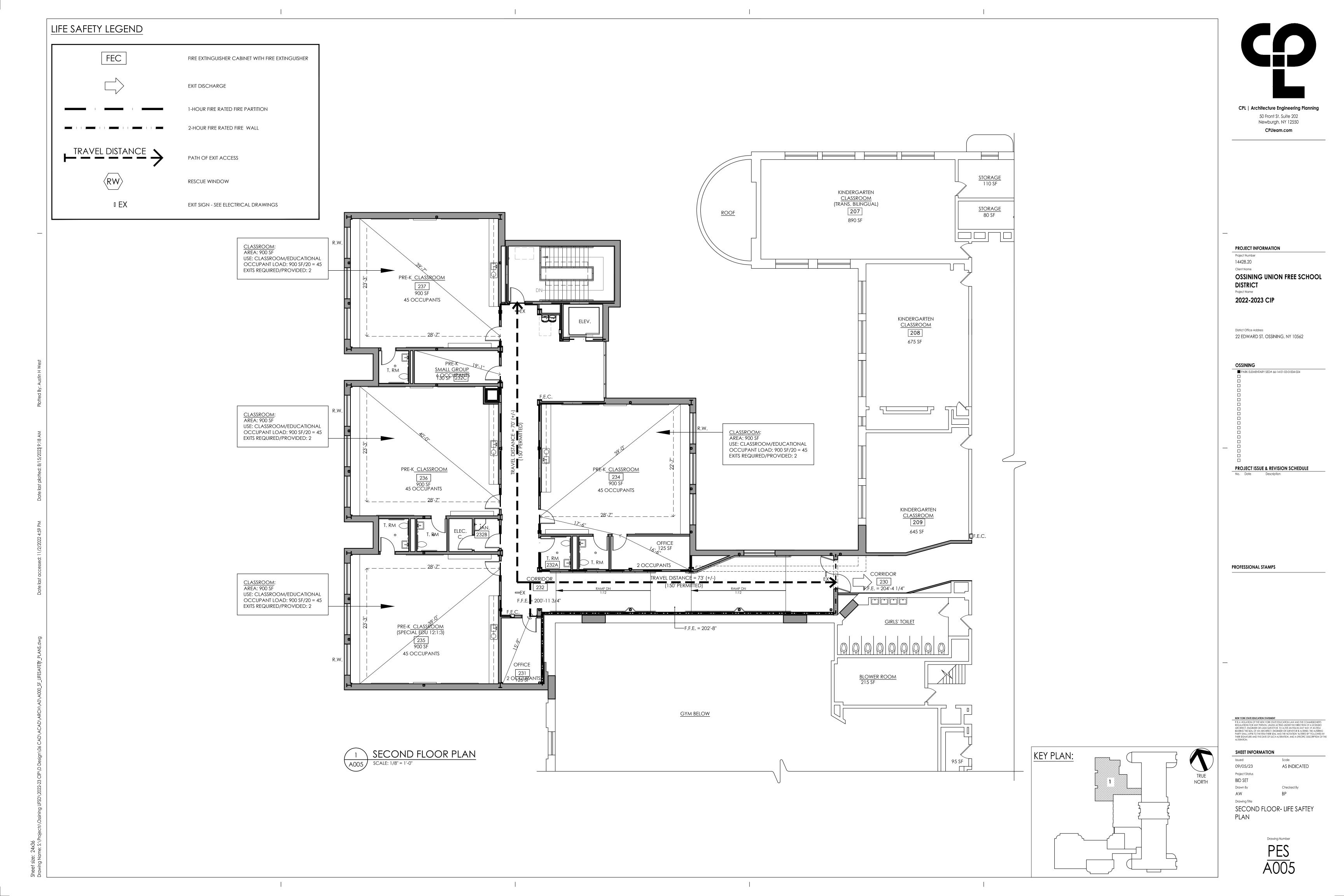
NORTH

KEY PLAN:

Issued Scale 09/05/23 AS INDICATED Project Status BID SET Drawn By Checked By

AW Drawing Title CAFETERIA- LIFE SAFTEY PLAN

Drawing Number

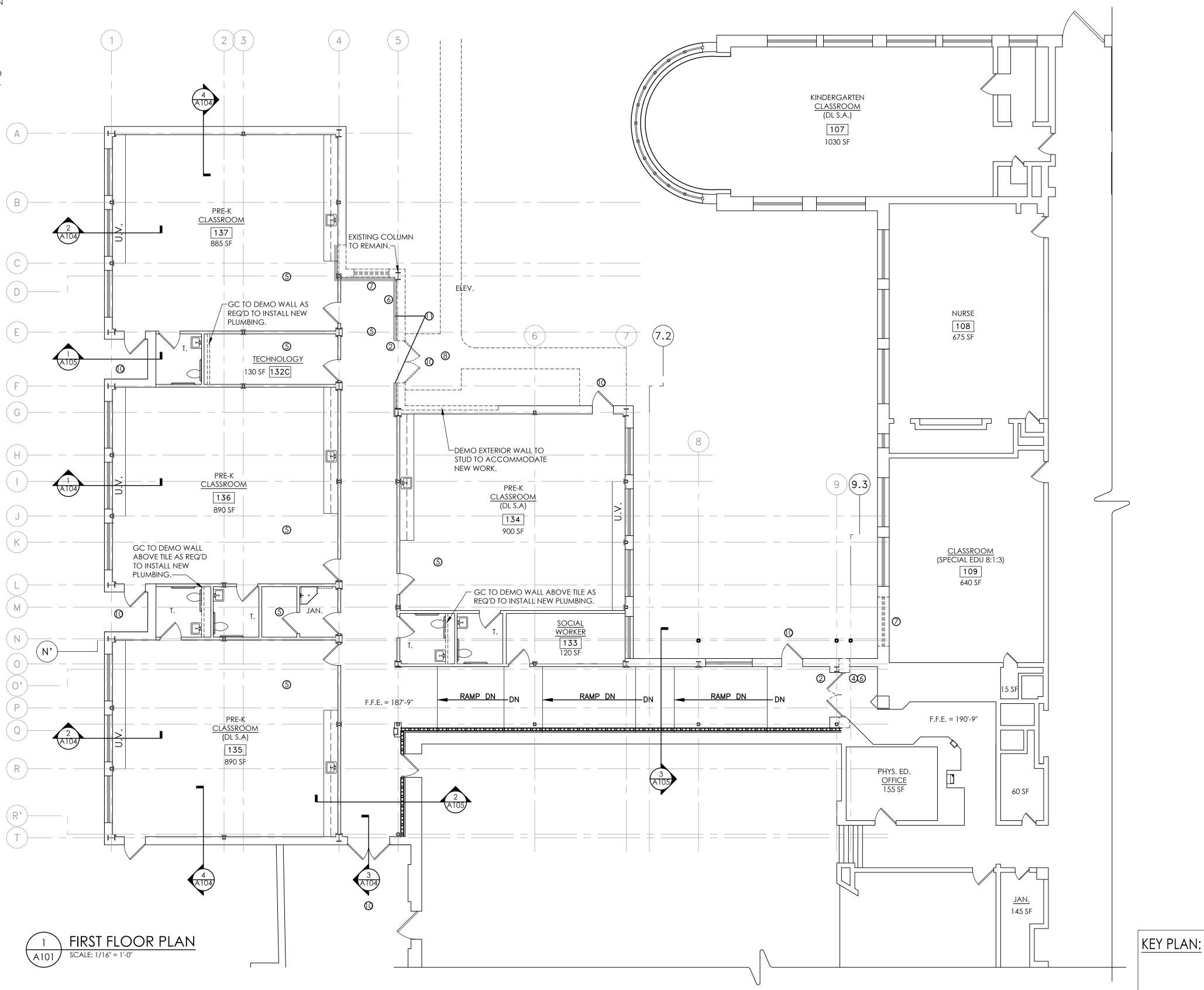


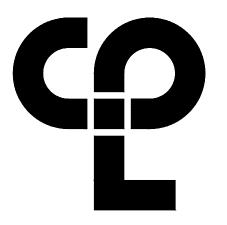
GENERAL DEMOLITION NOTES:

- 1. REFER TO MECHANICAL, ELECTRICAL, PLUMBING & ASBESTOS DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE REMOVALS WITH ALL OTHER CONTRACTS.
- 2. MAINTAIN INTEGRITY OF ITEMS THAT ARE TO REMAIN. PATCH ALL REMAINING SURFACES DISTURBED BY DEMOLITION AND/OR NEW CONSTRUCTION TO MATCH EXISTING ADJACENT SLIPEACES
- 3. COORDINATE EXTENT OF SELECTIVE DEMOLITION WITH NEW WORK.
- 4. PROVIDE TEMPORARY SHORING & BRACING AS REQ'D PRIOR TO COMMENCING DEMOLITION. DO NOT DAMAGE OR DISTURB EXISTING STRUCTURAL ELEMENTS THAT ARE TO REMAIN. WHERE WALLS ARE TO BE REMOVED, DO NOT REMOVE EXISTING COLUMNS, UNLESS NOTED OTHERWISE.
- 5. REMOVE ALL CASEWORK, BOARDS, ACCESSORIES, PROJECTION SCREENS & ITEMS BUILT IN OR LOCATED ON WALLS SHOWN TO BE DEMOLISHED OR AS REQ'D BY NEW
- 6. PRIOR TO START OF PROJECT, OWNER SHALL REMOVE LOOSE EQUIPMENT SUCH AS FURNITURE, DESKS, CHAIRS, SHELVING, WINDOW AIR CONDITIONERS, ETC., U.N.O. FURNITURE & EQUIPMENT REMAINING SHALL BE COVERED & PROTECTED.
- 7. DEMOLITION TO INCLUDE COMPLETE REMOVAL OF ALL FASTENERS, ADHESIVES & RELATED ITEMS COMPLETELY DOWN TO SUBSTRATE. PATCH SUBSTRATE AS REQ'D FOR NEW FINISHES. PATCH ALL REMAINING SURFACES DISTURBED BY DEMOLITION AND/OR NEW CONSTRUCTION TO BLEND WITH & MATCH EXISTING ADJACENT SURFACES, OR PROVIDE NEW CONSTRUCTION AS SHOWN.

DEMOLITION KEY NOTES:

- 1 REMOVE EXISTING FLOOR TILE, BASE, & ADHESIVE COMPLETE TO STRUCTURAL FLOOR SLAB AS REQ'D FOR INSTALLATION OF NEW WORK.
- 2 REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME COMPLETE AS REQ'D FOR INSTALLATION OF NEW WORK.
- 3) NOT USED.
- REMOVE EXISTING CEILING TILES AS REQ'D FOR INSTALLATION OF NEW WORK. SEE A601 REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.
- 5 MC & EC SHALL REMOVE & REINSTALL EXISTING LIGHT FIXTURES, DIFFUSERS, GRILLES, SPEAKERS, ACCESS PANELS & HVAC EQUIPMENT AS REQ'D FOR INSTALLATION OF NEW WORK. SEE MECHANICAL & ELECTRICAL DRAWINGS.
- 6 REMOVE EXISTING WALL CONSTRUCTION & PATCH/REPAIR FLOOR, WALL & CEILING AS NEEDED TO ACCOMMODATE NEW WORK.
- 7) REMOVE EXISTING WINDOW AS REQ'D FOR INSTALLATION OF NEW WORK.
- (8) REMOVE EXISTING CONCRETE WALK.
- 9 REMOVE EXISTING FIXTURE AS REQ'D TO ACCOMMODATE NEW WORK. (BY PLUMBING CONTRACTOR)
- GC TO PROVIDE BRIDGE/ SCAFFOLDING AS NEEDED TO MAINTAIN EGRESS PATHWAY THROUGHOUT THE DURATION OF CONSTRUCTION.
- GC TO PROVIDE TEMPORARY PARTITION TO THE UNDERSIDE OF THE EXISTING DECK. PROVIDE ONE SET OF DOUBLE DOORS & PANIC HARDWARE TO MAINTAIN PATH OF EGRESS.





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PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNILESS ACTING UNDER THE DIRECTION OF A LICENSED ADVINCET, BUCKNEED OR LAND, SIDEMOND TO A LIE ON HEAVING AND WAY SE AN HERA.

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SHEET INFORMATION

09/05/23
Project Status
BID SET

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Checked B

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FIRST FLOOR - DEMOLITION PLAN

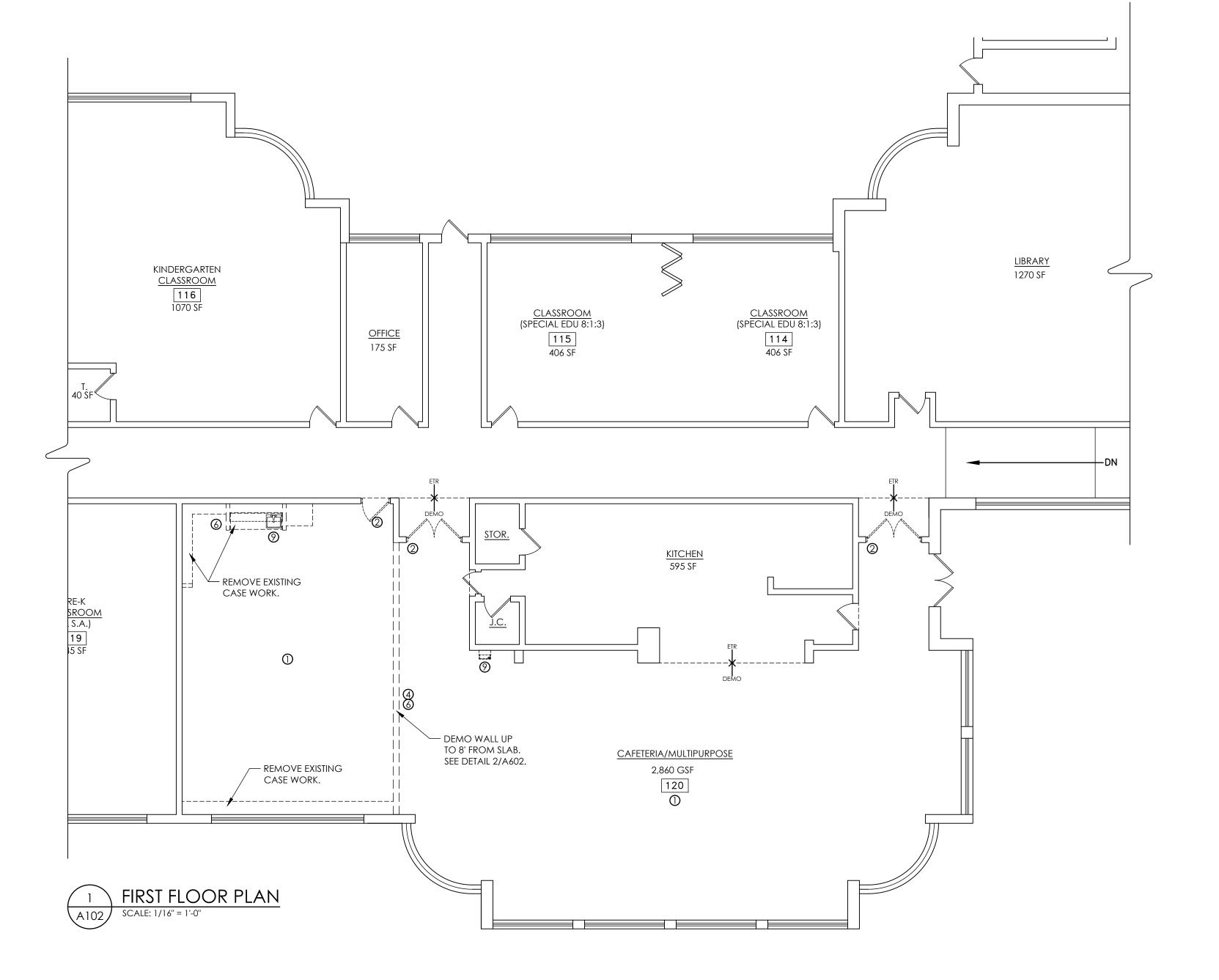
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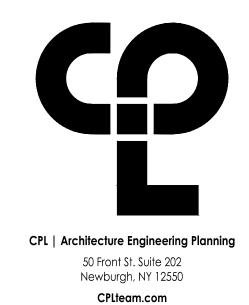
PES A101

- 1. REFER TO MECHANICAL, ELECTRICAL, PLUMBING & ASBESTOS DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE REMOVALS WITH ALL OTHER CONTRACTS.
- 2. MAINTAIN INTEGRITY OF ITEMS THAT ARE TO REMAIN. PATCH ALL REMAINING SURFACES DISTURBED BY DEMOLITION AND/OR NEW CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES.
- 3. COORDINATE EXTENT OF SELECTIVE DEMOLITION WITH NEW WORK.
- 4. PROVIDE TEMPORARY SHORING & BRACING AS REQ'D PRIOR TO COMMENCING DEMOLITION. DO NOT DAMAGE OR DISTURB EXISTING STRUCTURAL ELEMENTS THAT ARE TO REMAIN. WHERE WALLS ARE TO BE REMOVED, DO NOT REMOVE EXISTING COLUMNS, UNLESS NOTED OTHERWISE.
- 5. REMOVE ALL CASEWORK, BOARDS, ACCESSORIES, PROJECTION SCREENS & ITEMS BUILT IN OR LOCATED ON WALLS SHOWN TO BE DEMOLISHED OR AS REQ'D BY NEW CONSTRUCTION
- 6. PRIOR TO START OF PROJECT, OWNER SHALL REMOVE LOOSE EQUIPMENT SUCH AS FURNITURE, DESKS, CHAIRS, SHELVING, WINDOW AIR CONDITIONERS, ETC., U.N.O. FURNITURE & EQUIPMENT REMAINING SHALL BE COVERED & PROTECTED.
- 7. DEMOLITION TO INCLUDE COMPLETE REMOVAL OF ALL FASTENERS, ADHESIVES & RELATED ITEMS COMPLETELY DOWN TO SUBSTRATE. PATCH SUBSTRATE AS REQ'D FOR NEW FINISHES. PATCH ALL REMAINING SURFACES DISTURBED BY DEMOLITION AND/OR NEW CONSTRUCTION TO BLEND WITH & MATCH EXISTING ADJACENT SURFACES, OR PROVIDE NEW CONSTRUCTION AS SHOWN.

DEMOLITION KEY NOTES:

- 1) REMOVE EXISTING FLOOR TILE, BASE, & ADHESIVE COMPLETE TO STRUCTURAL FLOOR SLAB AS REQ'D FOR INSTALLATION OF NEW WORK.
- 2 REMOVE EXISTING DOOR, DOOR HARDWARE & FRAME COMPLETE AS REQ'D FOR INSTALLATION OF NEW WORK.
- (3) NOT USED.
- REMOVE EXISTING CEILING TILES AS REQ'D FOR INSTALLATION OF NEW WORK. SEE A601 REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.
- MC & EC SHALL REMOVE & REINSTALL EXISTING LIGHT FIXTURES, DIFFUSERS, GRILLES, SPEAKERS, ACCESS PANELS & HVAC EQUIPMENT AS REQ'D FOR INSTALLATION OF NEW WORK. SEE MECHANICAL & ELECTRICAL DRAWINGS.
- 6 REMOVE EXISTING WALL CONSTRUCTION & PATCH/REPAIR FLOOR, WALL & CEILING AS NEEDED TO ACCOMMODATE NEW WORK.
- (7) REMOVE EXISTING WINDOW AS REQ'D FOR INSTALLATION OF NEW WORK.
- (8) REMOVE EXISTING CONCRETE WALK.
- 9 REMOVE EXISTING FIXTURE AS REQ'D TO ACCOMMODATE NEW WORK. (BY PLUMBING CONTRACTOR)
- GC TO PROVIDE BRIDGE/ SCAFFOLDING AS NEEDED TO MAINTAIN EGRESS PATHWAY THROUGHOUT THE DURATION OF CONSTRUCTION.
- GC TO PROVIDE TEMPORARY PARTITION TO THE UNDERSIDE OF THE EXISTING DECK. PROVIDE ONE SET OF DOUBLE DOORS & PANIC HARDWARE TO MAINTAIN PATH OF





PROJECT INFORMATION
Project Number
14428.20

OSSINING UNION FREE SCHOOL

DISTRICT
Project Name
2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

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KEY PLAN:

O9/05/23 AS INDICATED
Project Status
BID SET
Drawn By Checked By
AW BP

Drawing Number

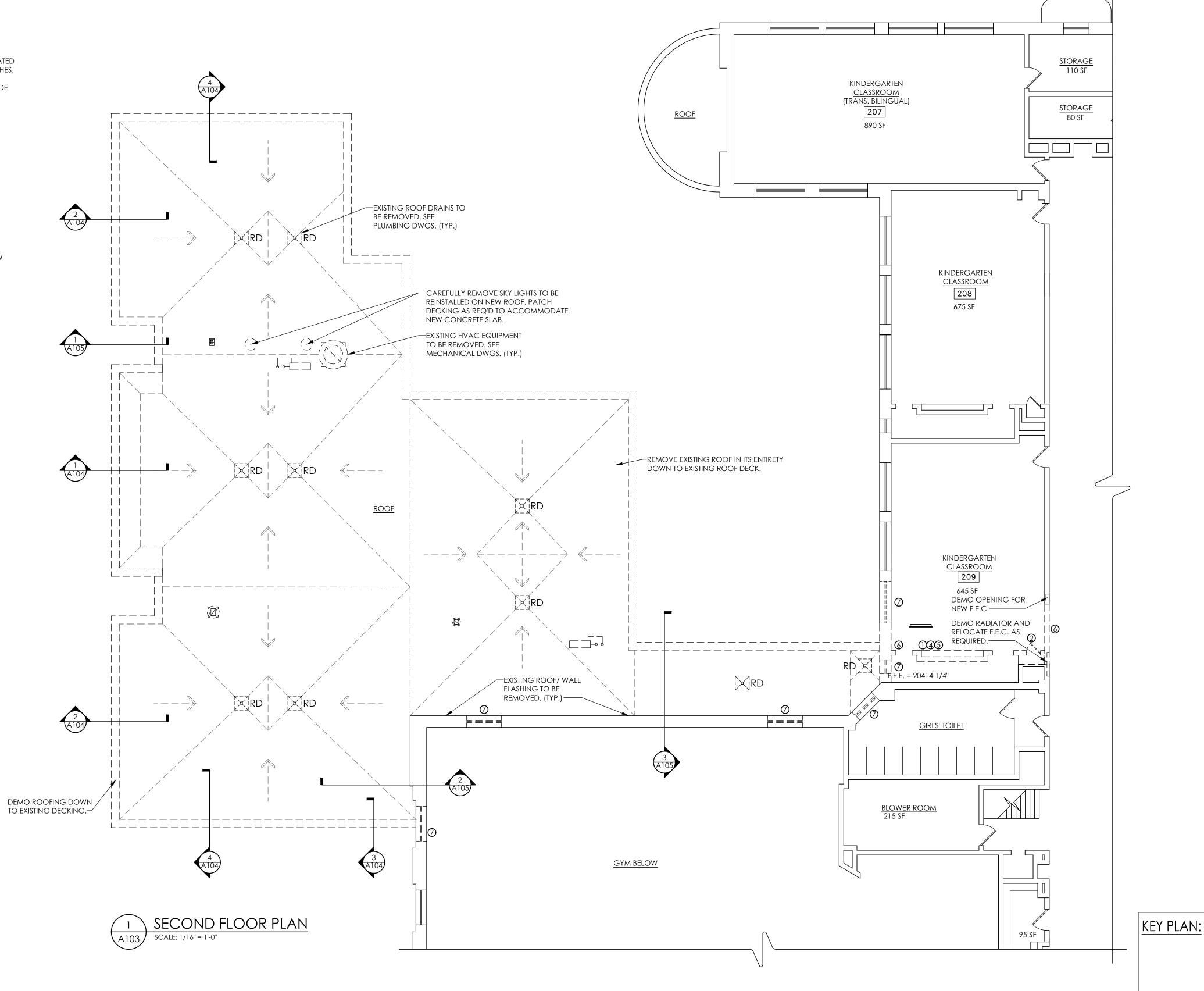
CAFETERIA- DEMOLITION PLAN

PES A102

- 3. COORDINATE EXTENT OF SELECTIVE DEMOLITION WITH NEW WORK.
- 4. PROVIDE TEMPORARY SHORING & BRACING AS REQ'D PRIOR TO COMMENCING DEMOLITION. DO NOT DAMAGE OR DISTURB EXISTING STRUCTURAL ELEMENTS THAT ARE TO REMAIN. WHERE WALLS ARE TO BE REMOVED, DO NOT REMOVE EXISTING COLUMNS, UNLESS NOTED OTHERWISE.
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50 Front St. Suite 202

Newburgh, NY 12550

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PROJECT INFORMATION

Project Number
14428.20
Client Name
OSSINING UNION FREE SCHOOL
DISTRICT
Project Name
2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

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Issued
09/05/23
Project Status

TRUE

09/05/23 AS INDICATED
Project Status
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SECOND FLOOR PLAN -DEMOLITION PLAN

> PES A103

Sheet size: 24x36

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Project Number

Project Number 14428.20

OSSINING UNION FREE SCHOOL
DISTRICT

Project Name **2022-2023 CIP**

District Office Address

22 EDWARD ST, OSSINING, NY 10562

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■ PARK ELEMENTARY SED# 66-14-01-03-0-004-024

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No. Date Description

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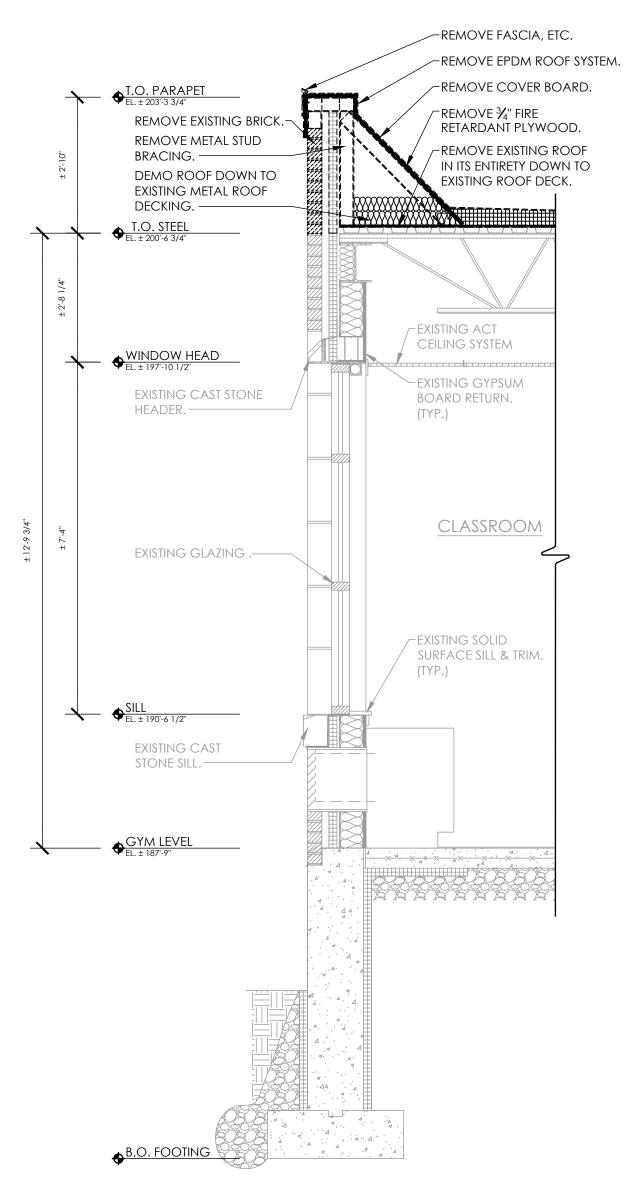
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Project Status

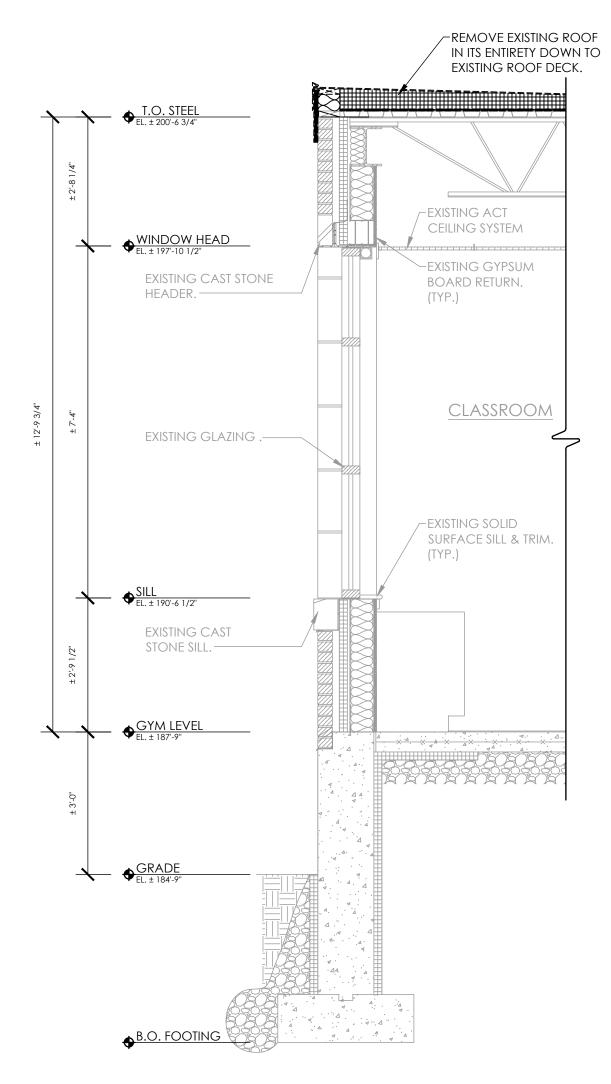
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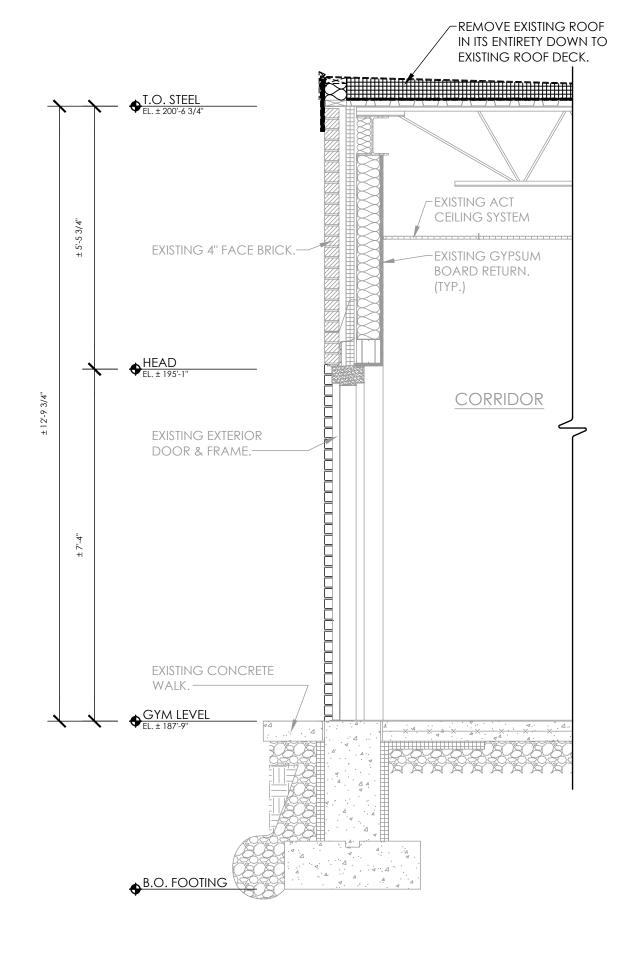
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Drawing Title
WALL SECTION- EXISTING/

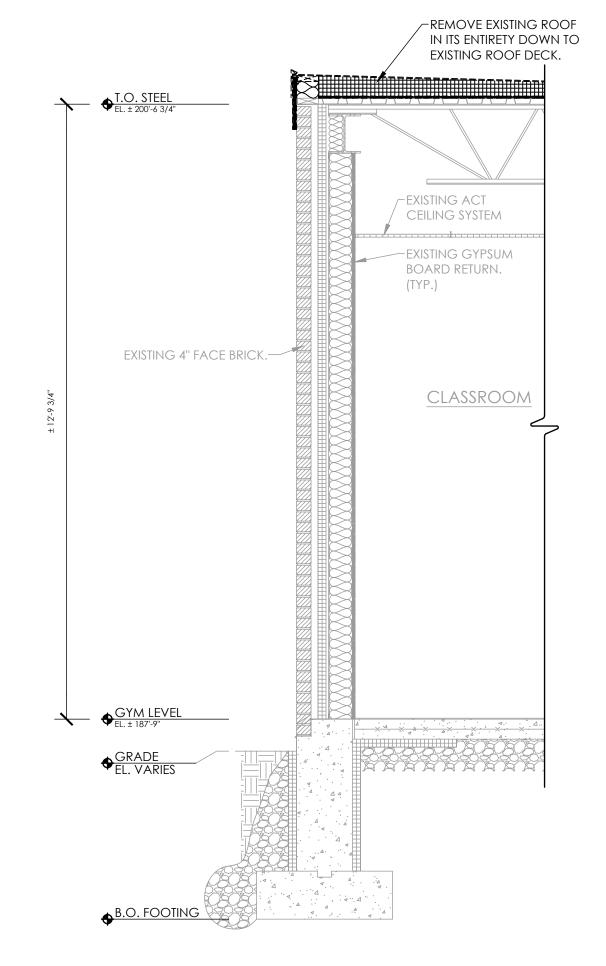
WALL SECTION- EXISTING DEMOLITION

PES A 104













4 CLASSROOM WALL SECTION

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

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

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24x36



-REMOVE EXISTING ROOF IN ITS ENTIRETY DOWN TO EXISTING ROOF DECK. T.O. STEEL

EL. ± 200'-6 3/4" /------- REMOVE ALUM. FASCIA SYSTEM. —— EXISTING CAST STONE BAND. —— -EXISTING ACT CEILING SYSTEM WINDOW HEAD EL. ± 197'-10 1/2" —EXISTING GYPSUM BOARD RETURN. (TYP.) EXISTING 4" FACE BRICK.— CLASSROOM METAL HANDRAIL & GUARDRAIL. (TYP.) GYM LEVEL

EL. ± 187'-9" ◆B.O. FOOTING

CLASSROOM

CORRIDOR

COMMENSE

CLASSROOM

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CASSROOM

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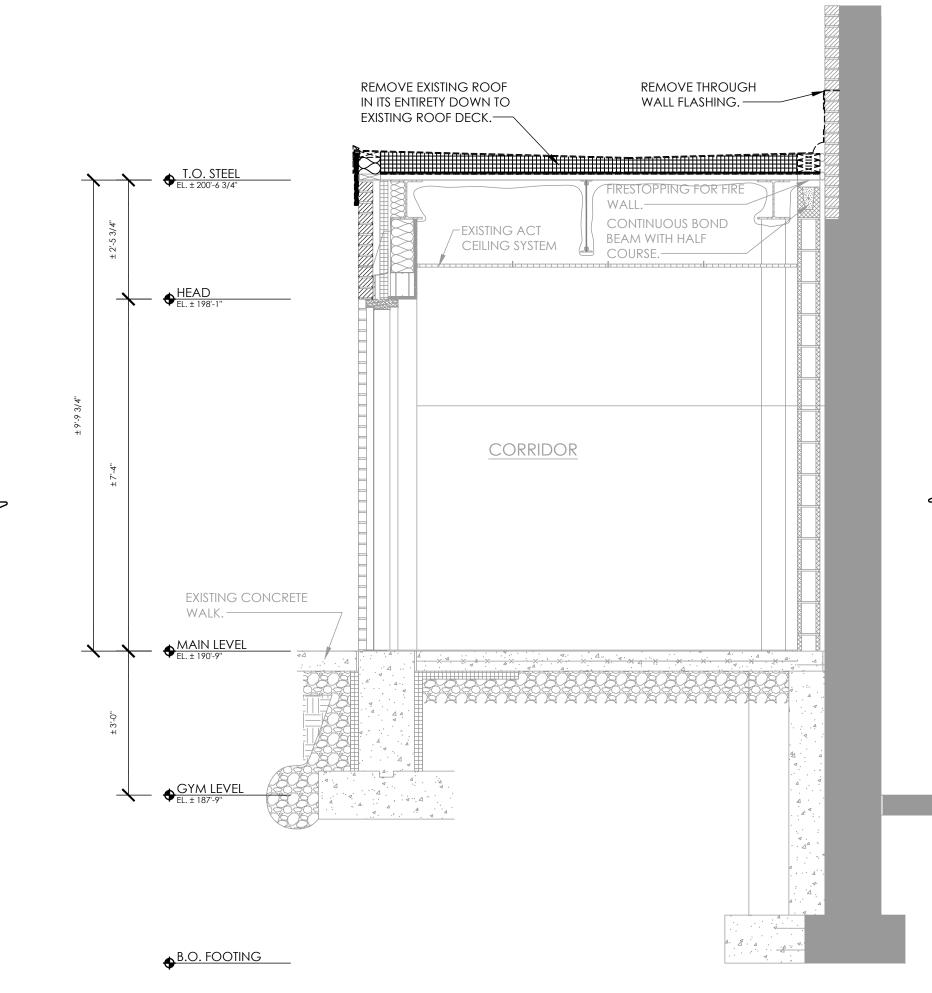
REMOVE EXISTING ROOF

IN ITS ENTIRETY DOWN TO

EXISTING ROOF DECK.

REMOVE THROUGH

WALL FLASHING.—



CLASSROOM WALL SECTION

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





Cilent Name

OSSINING UNION FREE SCHOOL
DISTRICT
Project Name

2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

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PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT INFORMATION

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09/05/23 AS INDICATED
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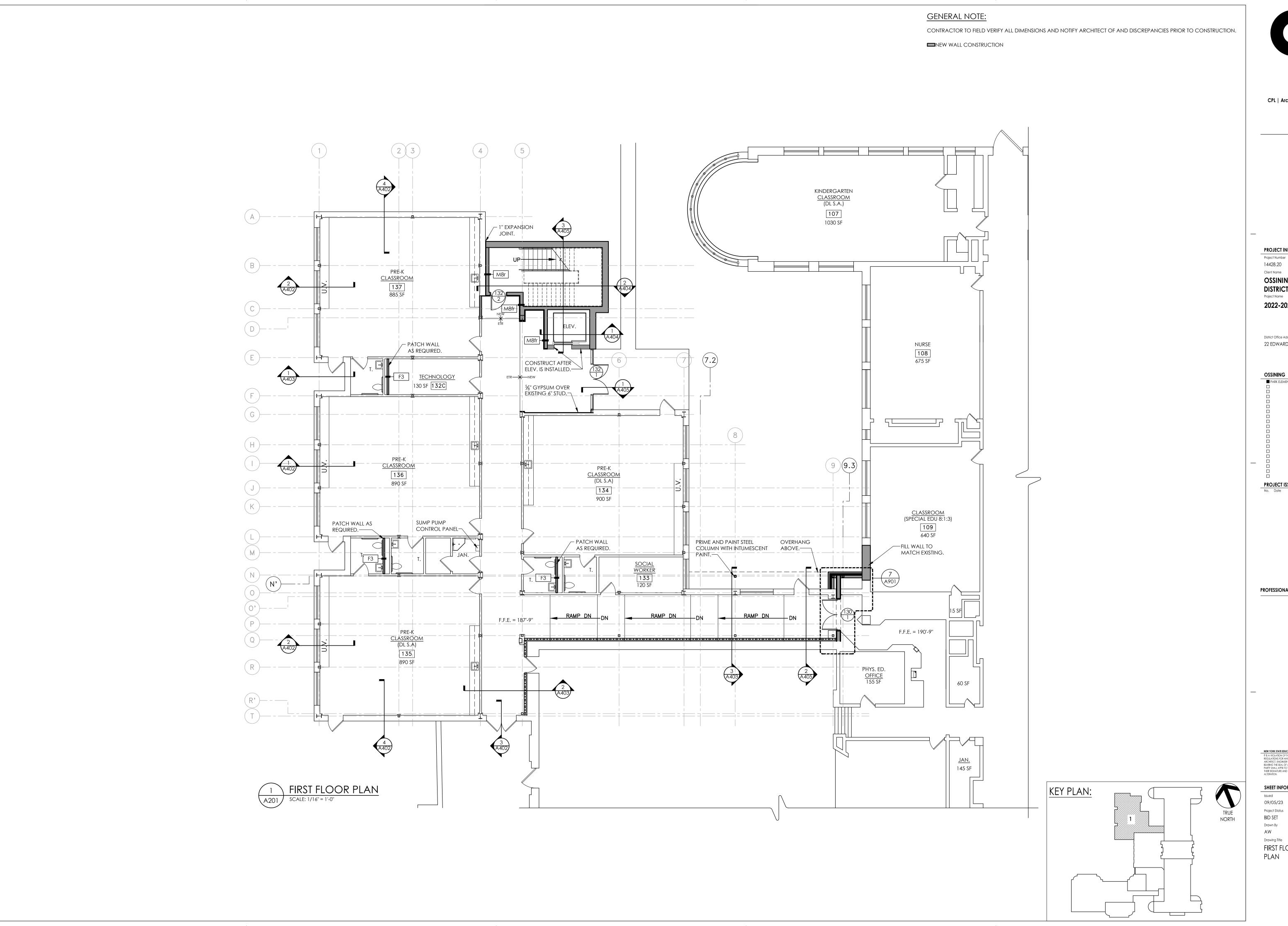
Drawn By

AW

Drawing Title

WALL SECTIONS- EXISTING/ DEMOLITION





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PROJECT INFORMATION

14428.20

OSSINING UNION FREE SCHOOL **DISTRICT**

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

■ PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION 09/05/23 AS INDICATED

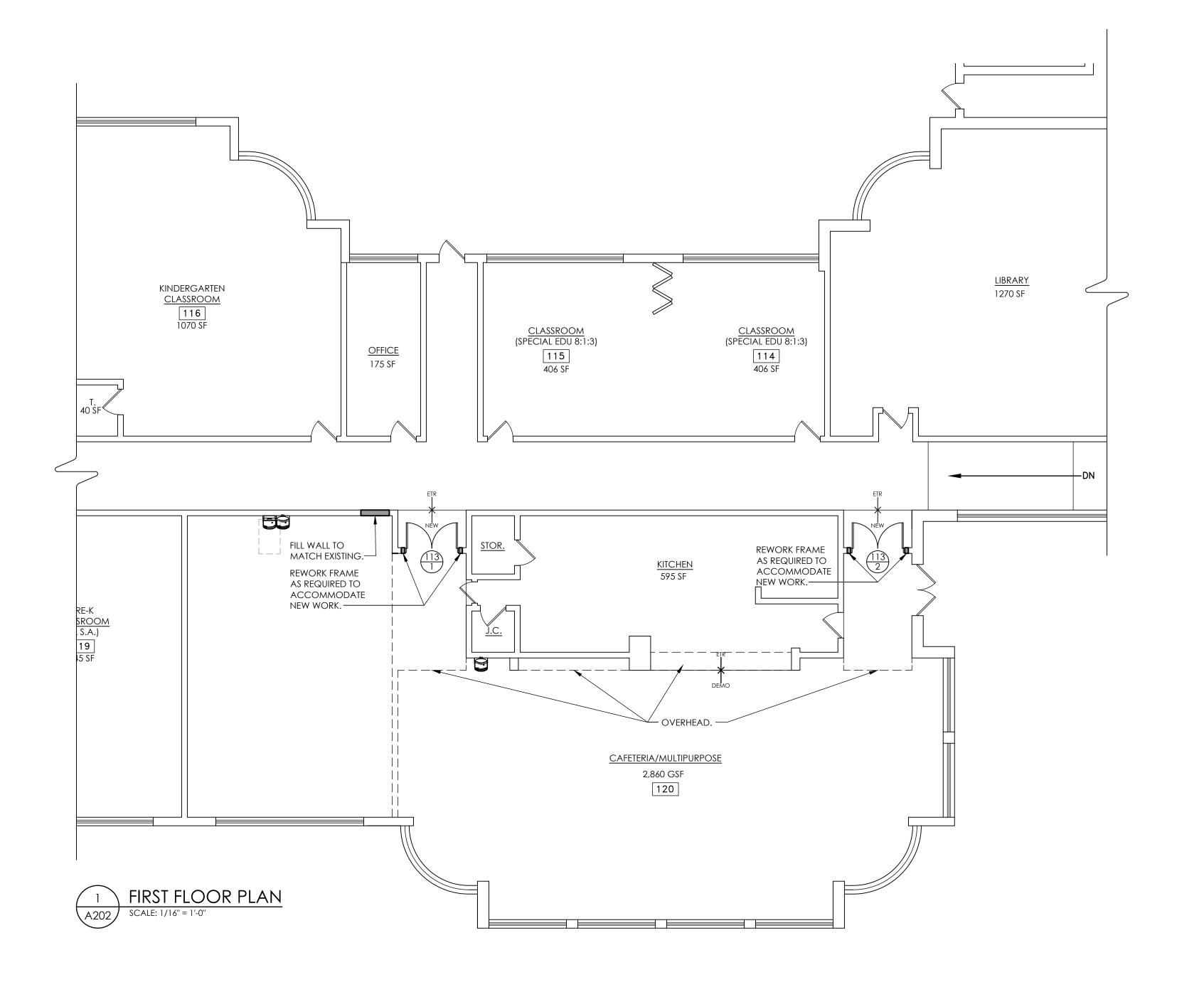
Project Status BID SET Drawn By AW FIRST FLOOR PLAN - NEW WORK

GENERAL NOTE:

MEW WALL CONSTRUCTION

CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF AND DISCREPANCIES PRIOR TO CONSTRUCTION.





District Office Address

22 EDWARD ST, OSSINING, NY 10562

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PARK ELEMENTARY SED# 66-14-01-03-0-004-024

OSSINING UNION FREE SCHOOL

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DISTRICT

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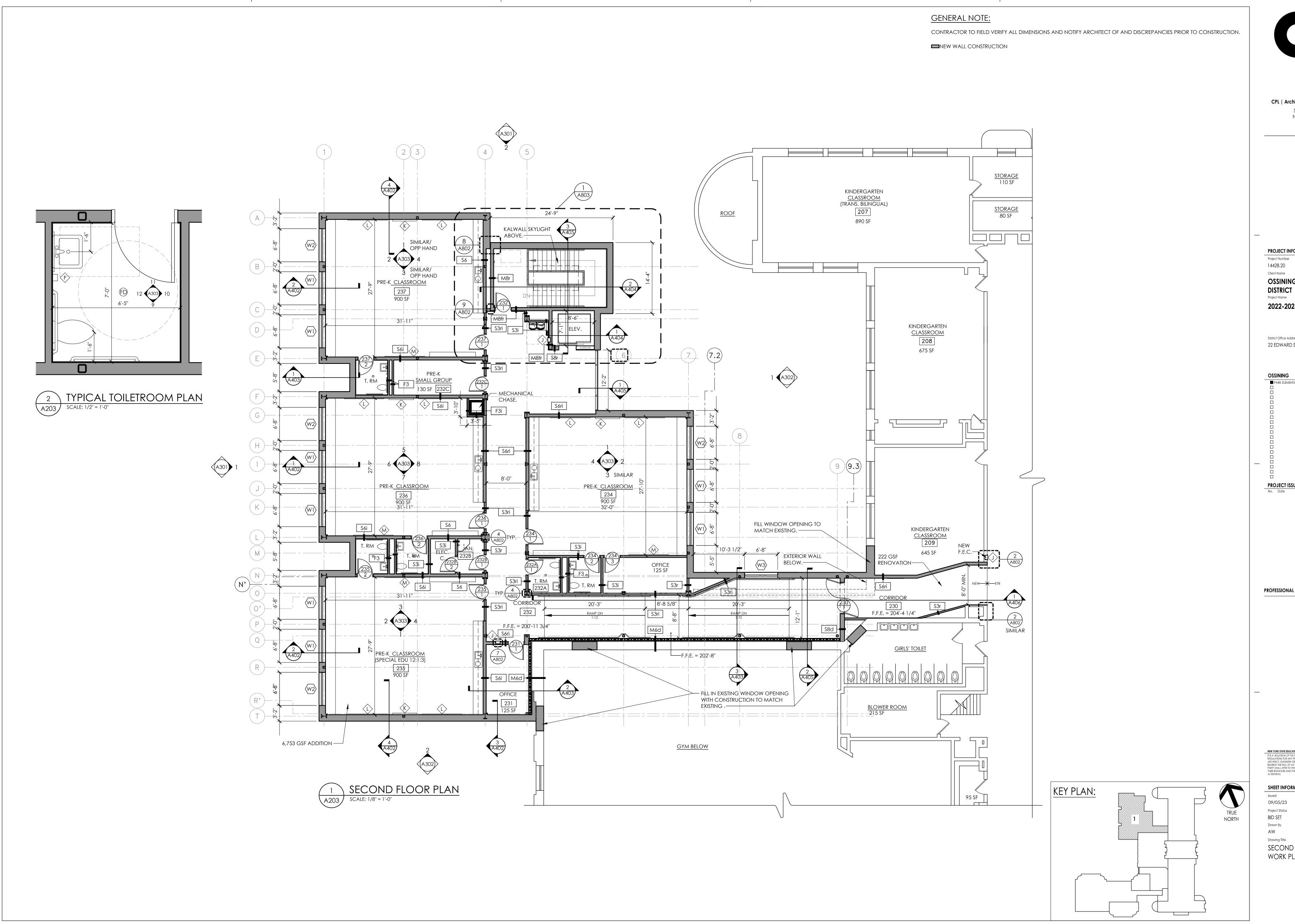
Project Status

Project Status
BID SET
Drawn By Checked By
AW BP
Drawing Title
CAFETERIA- NEW WORK PLAN

-

PES A202

KEY PLAN:
TRUE
NORTH



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PROJECT INFORMATION

14428.20

OSSINING UNION FREE SCHOOL

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION

09/05/23 AS INDICATED Project Status BID SET Drawn By Checked By AW

SECOND FLOOR PLAN - NEW WORK PLAN

Drawing Number



 CONTRACTOR TO PROTECT ALL EXISTING ADJACENT SURFACES, INCLUDING, BUT NOT LIMITED TO, ROOFTOP EQUIPMENT, SKYLIGHTS, WINDOWS, MASONRY, VENTS, FLASHING, ETC., NOT SCHEDULED FOR WORK AND TO REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTOR WORK AT NO ADDITIONAL COST TO THE OWNER.

PROFESSIONAL STAMPS

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REGULATIONS FOR ANY PERSON, LIVESS ACTING UNDER THE DIRECTION OF A LICE
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SHEET INFORMATION

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Project Status
BID SET

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ROOF - NEW WORK PLAN



AS INDICATED

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PROJECT INFORMATION

OSSINING UNION FREE SCHOOL

22 EDWARD ST, OSSINING, NY 10562

■ PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

Project Number

14428.20

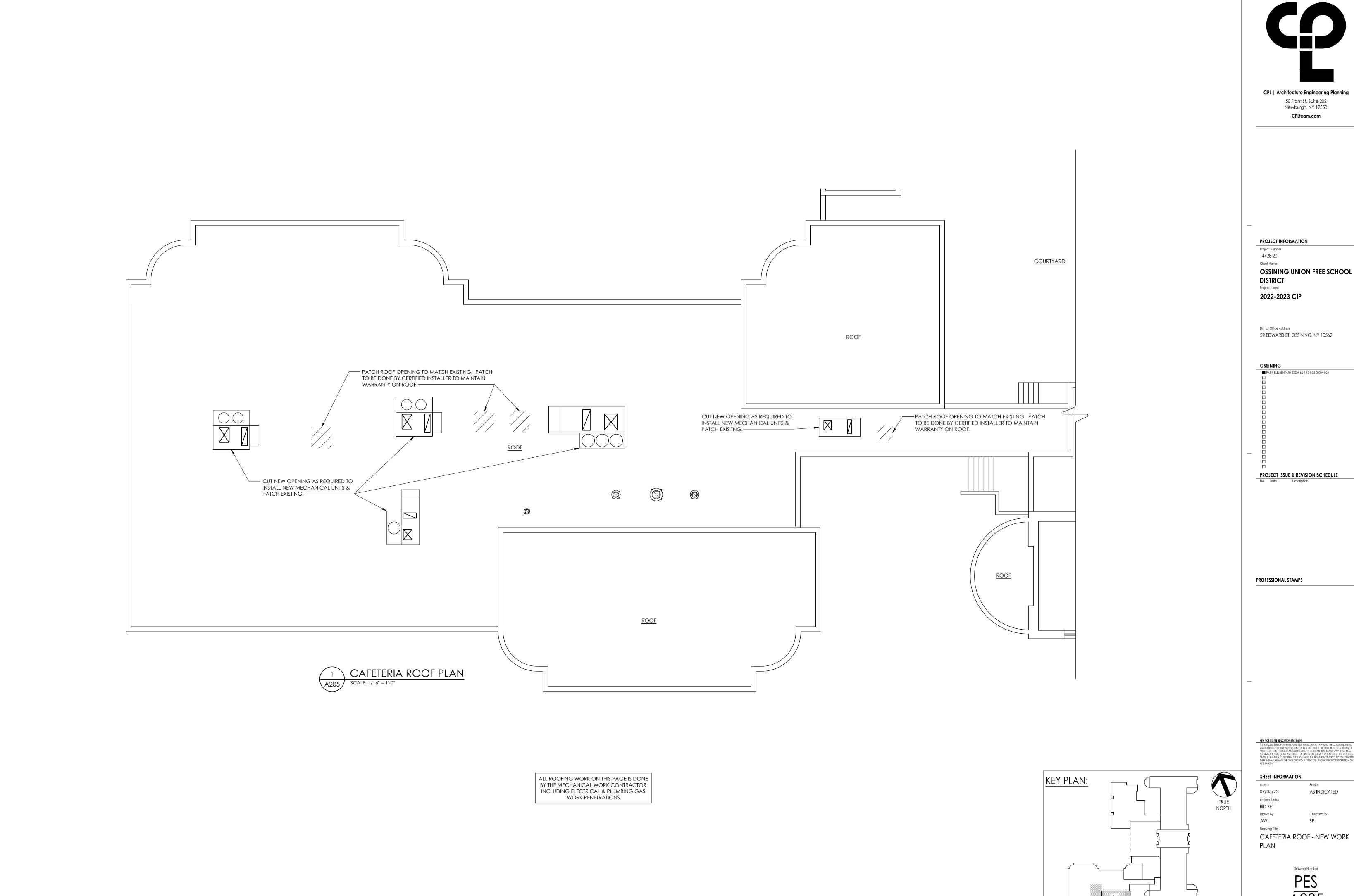
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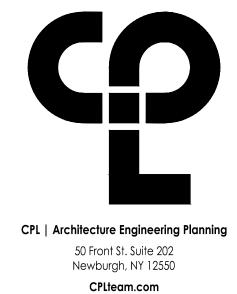
2022-2023 CIP

District Office Address

OSSINING

Project Name





PROJECT INFORMATION Project Number 14428.20

DISTRICT Project Name

2022-2023 CIP

22 EDWARD ST, OSSINING, NY 10562

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■ PARK ELEMENTARY SED# 66-14-01-03-0-004-024

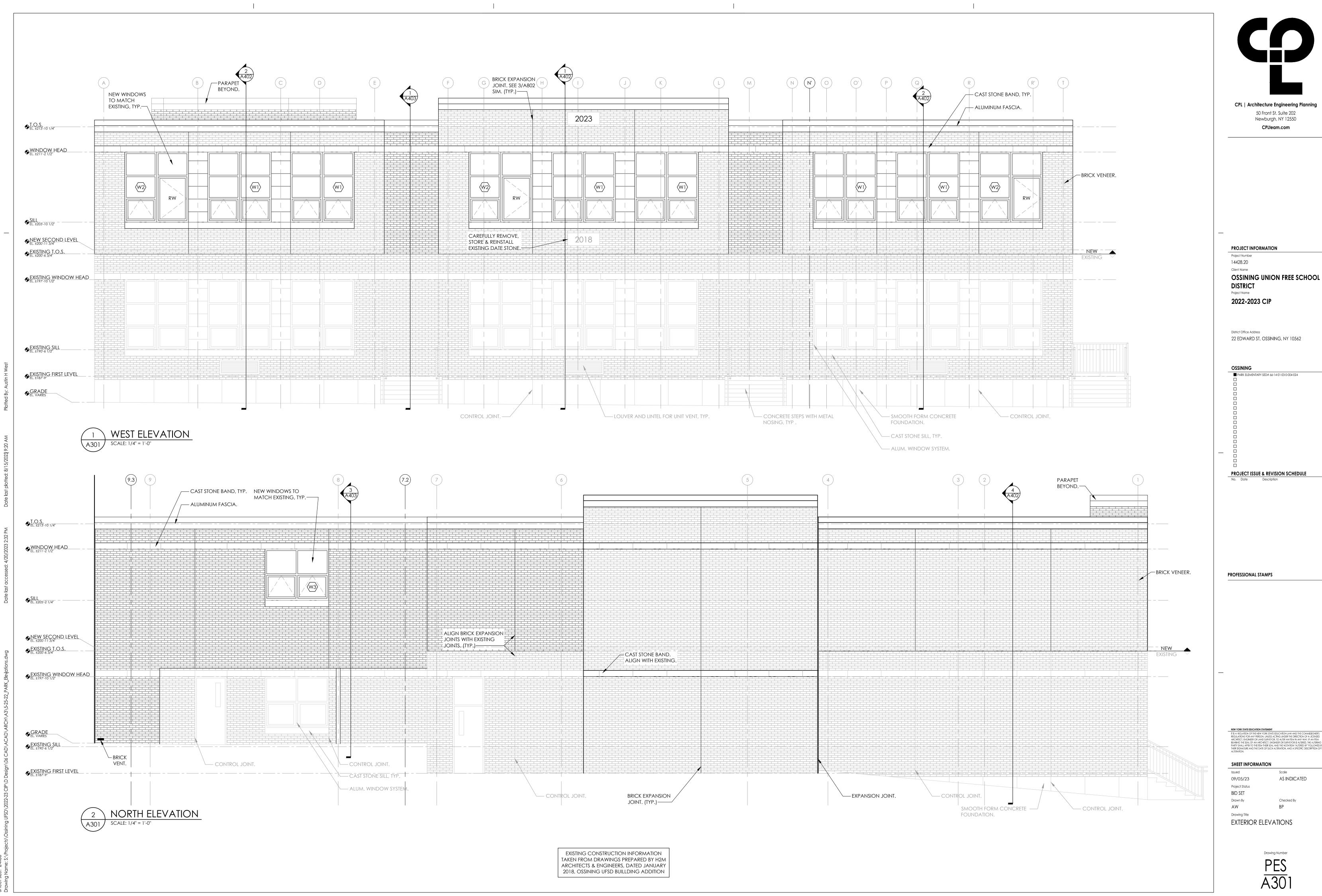
PROJECT ISSUE & REVISION SCHEDULE

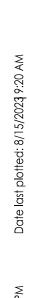
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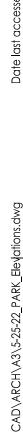
PROFESSIONAL STAMPS

SHEET INFORMATION 09/05/23

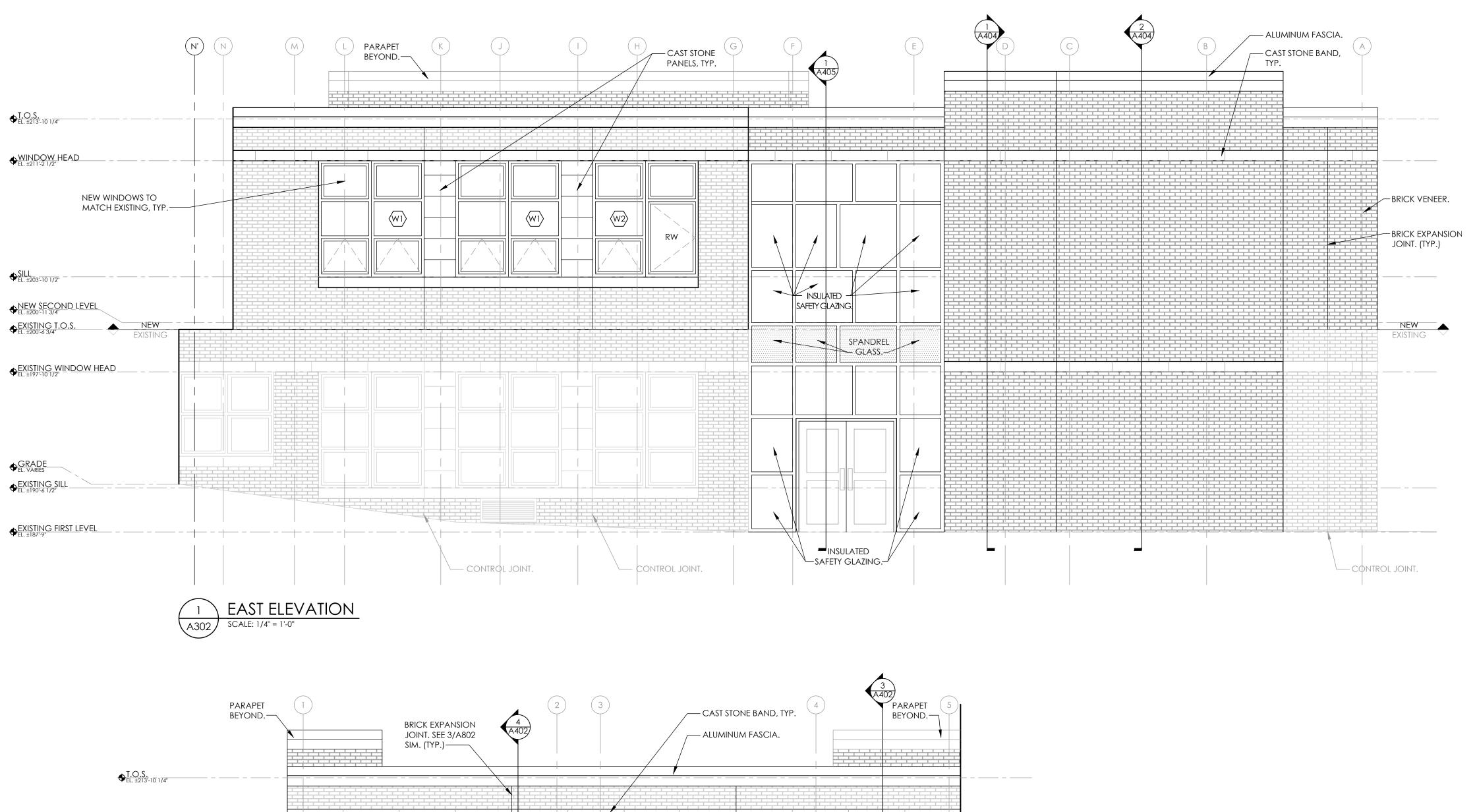
AS INDICATED Checked By CAFETERIA ROOF - NEW WORK

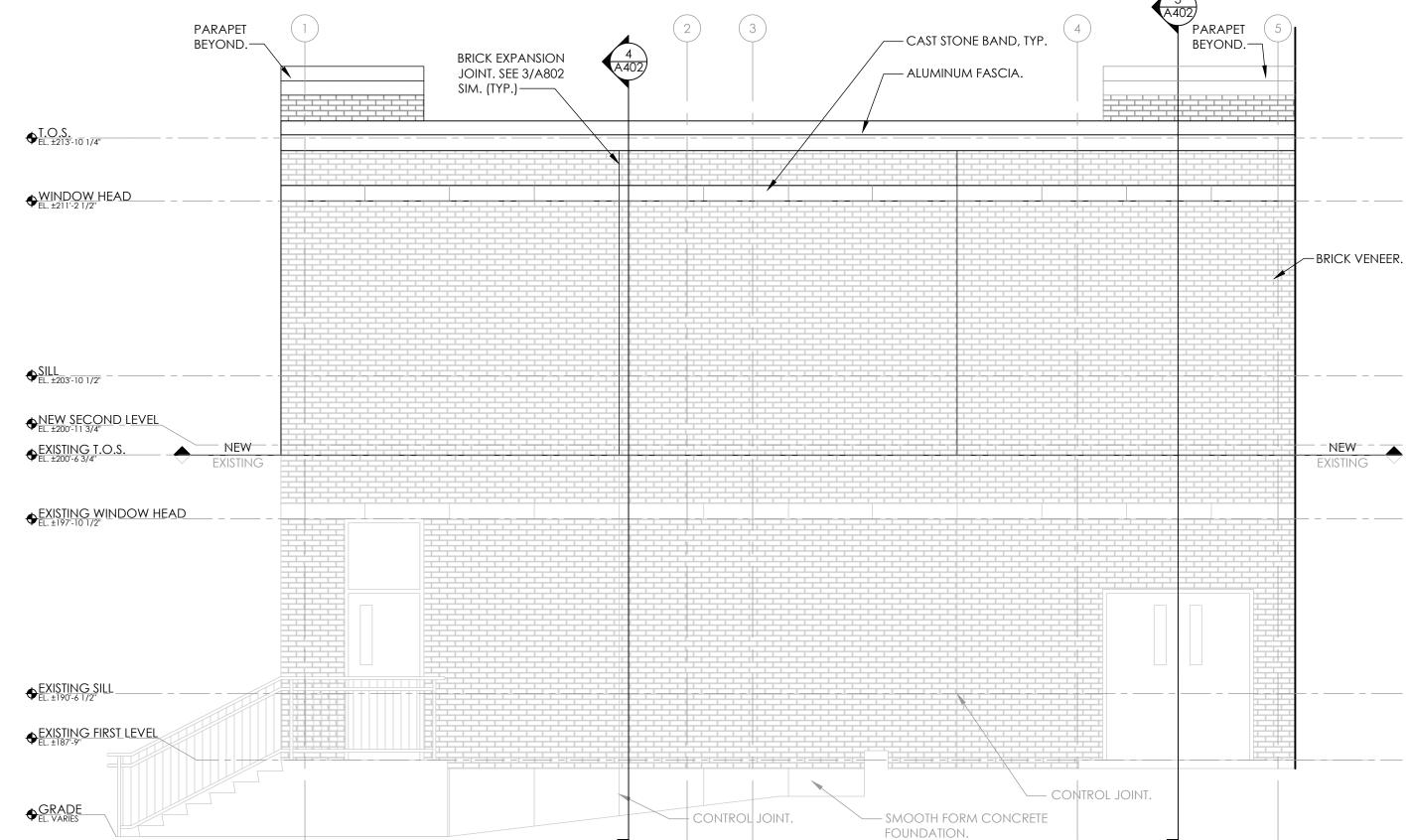






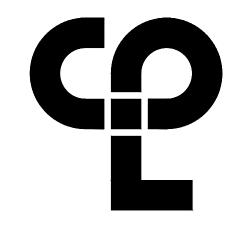








EXISTING CONSTRUCTION INFORMATION TAKEN FROM DRAWINGS PREPARED BY H2M ARCHITECTS & ENGINEERS, DATED JANUARY 2018, OSSINING UFSD BUILLDING ADDITION



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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL
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lssued Scale
09/05/23 AS INDICATED
Project Status

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BID SET

Drawn By

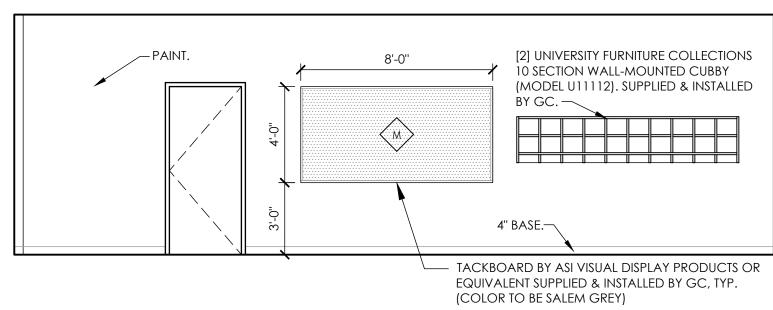
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Drawing Title

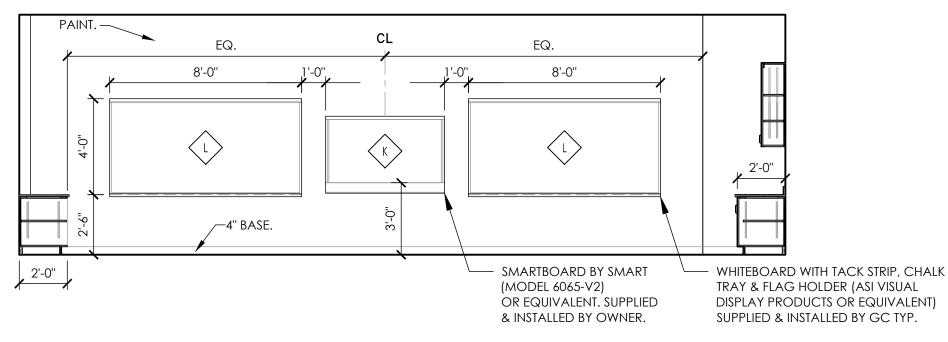
EXTERIOR ELEVATIONS



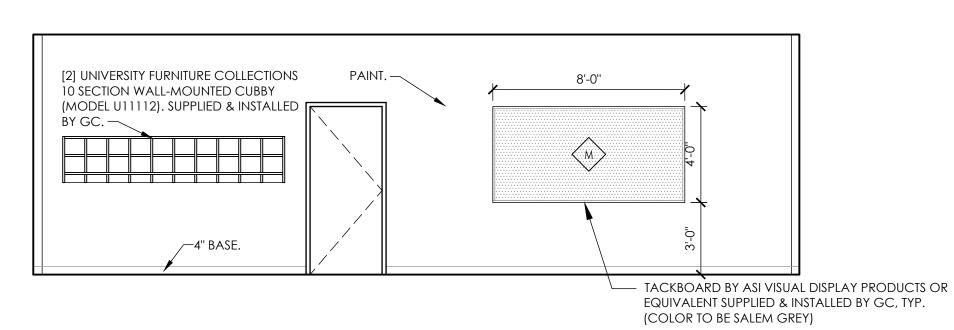




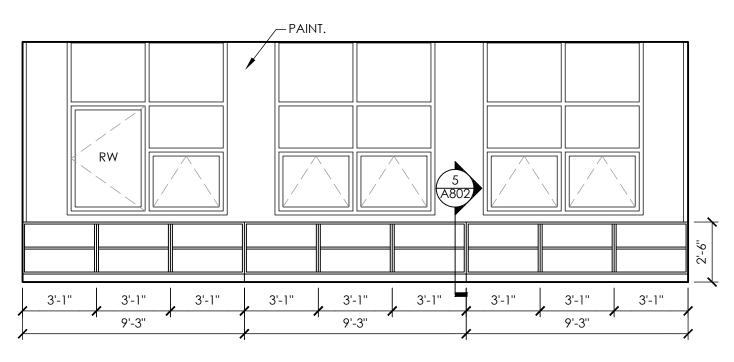
3 TYPICAL CLASSROOM ELEVATION
SCALE: 1/4" = 1'-0"



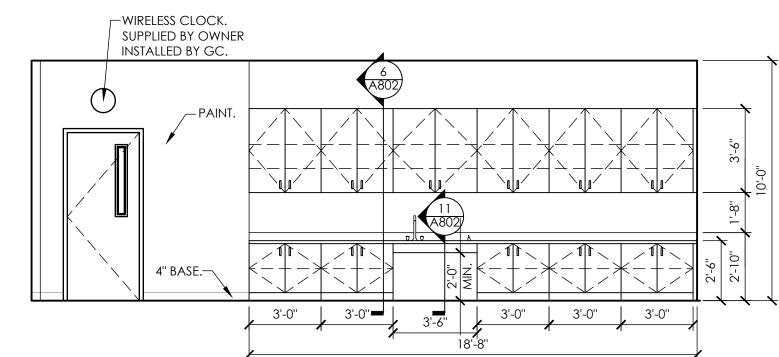
5 CLASSROOM ELEVATION RM 236
SCALE: 1/4" = 1'-0"



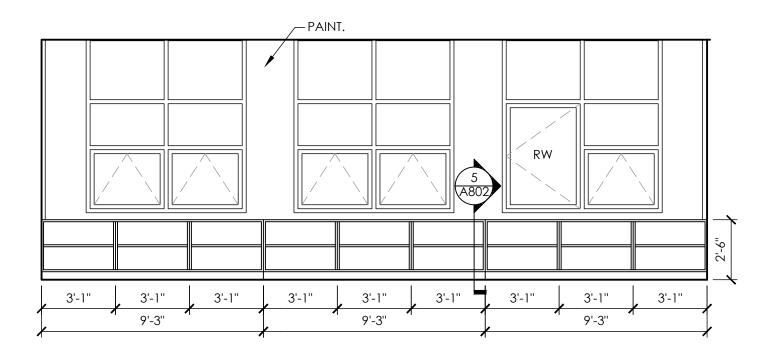
7 CLASSROOM ELEVATION RM 236
A303 SCALE: 1/4" = 1'-0"



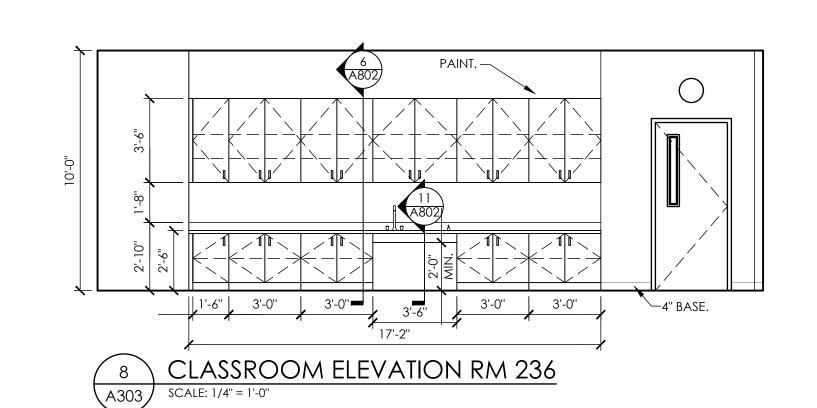
2 TYPICAL CLASSROOM ELEVATION
SCALE: 1/4" = 1'-0"

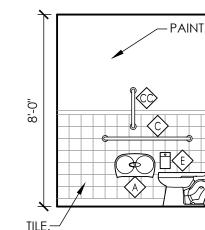


4 TYPICAL CLÁSSROOM ELEVATION
SCALE: 1/4" = 1'-0"

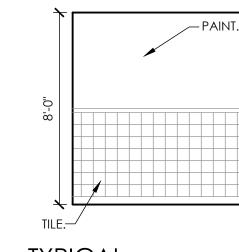


6 CLASSROOM ELEVATION RM 236
SCALE: 1/4" = 1'-0"



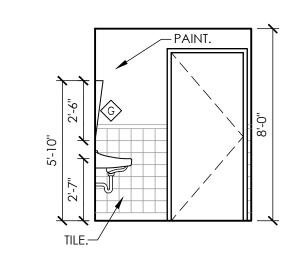






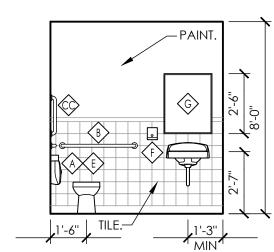
TYPICAL
BATHROOM ELEVATION

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



TYPICAL
BATHROOM ELEVATIONS

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



TYPICAL BATHROOM ELEVATIONS (A303) SCALE: 1/4" = 1'-0"



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PROJECT INFORMATION

Project Number
14428.20

2022-2023 CIP

Client Name

OSSINING UNION FREE SCHOOL

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BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING
PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWEDE

AS INDICATED

SHEET INFORMATION

O9/05/23
Project Status
BID SET
Drawn By

Drawn By

AW

Drawing Title

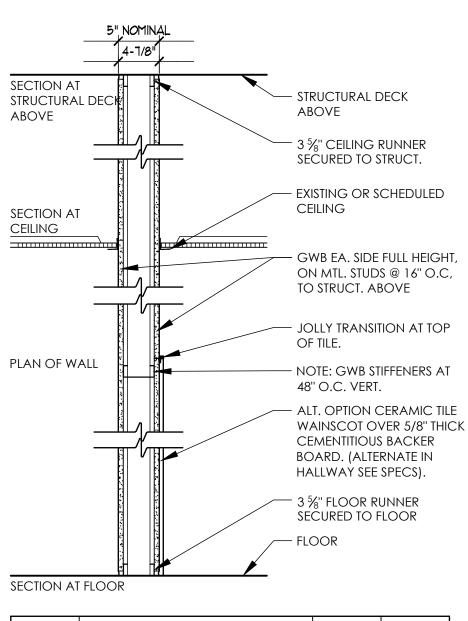
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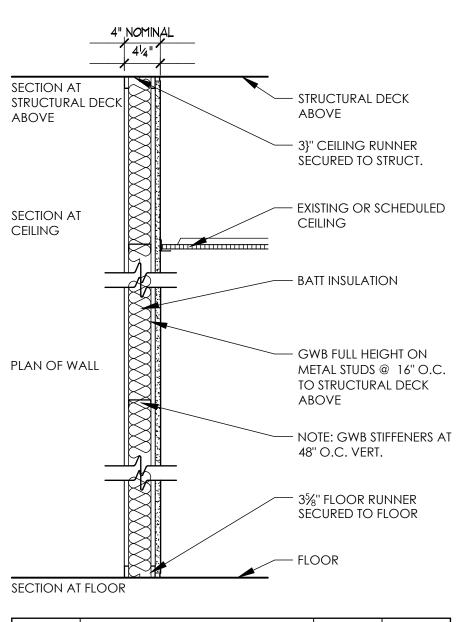
F3i

NA





TYPE	FIRE TEST LAB & DESIGN	FIRE RATING	STC
S3r	UL - U465	I HR.	47
S3i	NA	NR	47
S3ri	UL U-465	I HR.	47



NR

NA

	BA	ATT INSULATIO)N			R Δ	tt insulatic)N	
PLAN OF WA	ALL GO	WB FULL HEIGETAL STUDS (D STRUCTURA BOVE OTE: GWB ST	GHT ON @ 16" O.C. AL DECK IFFENERS AT		OF WALL	GV ME TO AB	VB FULL HEIC TAL STUDS @ STRUCTURA OVE	GHT ON 16" O.C. L DECK IFFENERS AT	
	SE	(" FLOOR RL CURED TO F	inner Eloor			SE	" FLOOR RU CURED TO F DOR	nner Loor	
SECTION AT	FLOOR			SECTIO	NOO17 TA NO				
TYPE	FIRE TEST LAB & DESIGN	FIRE RATING	STC	TYPE	E FIRE TEST LAB 8	design	FIRE RATING	STC	
F3	NA	NR	NA	F8	3r UL - U905		1 HR.	NA	

SECTION AT

SECTION AT

PLAN OF WALL

SECTION AT FLOOR

TYPE

S6

S6i

S6ri

SECTION AT

SECTION AT

CEILING

ABOVE

STRUCTURAL DECK

UL U-305

85%"

1 HR.

STRUCTURAL DECK

3}" CEILING RUNNER

SECURED TO STRUCT.

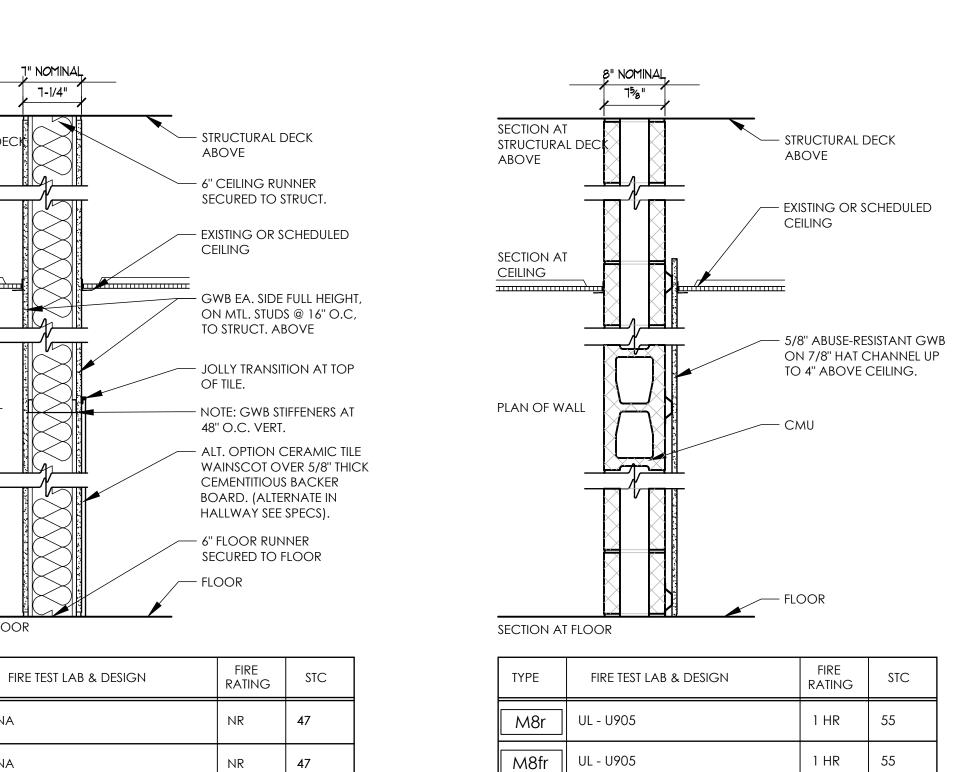
- EXISTING OR SCHEDULED

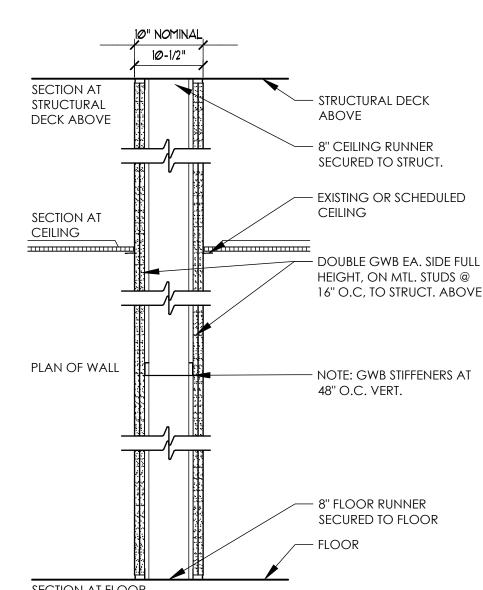
ABOVE

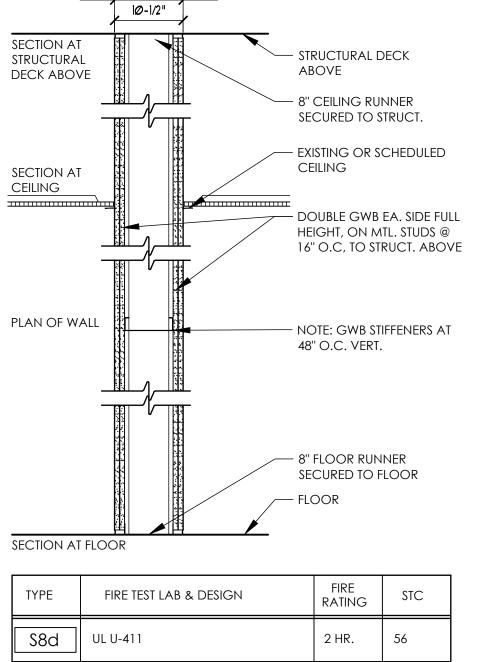
CEILING

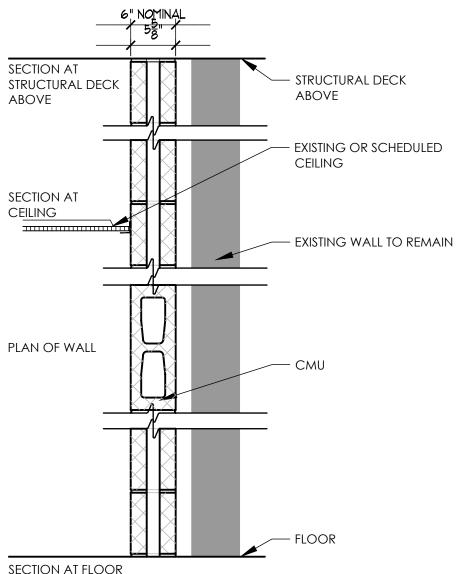
CEILING

STRUCTURAL DECK



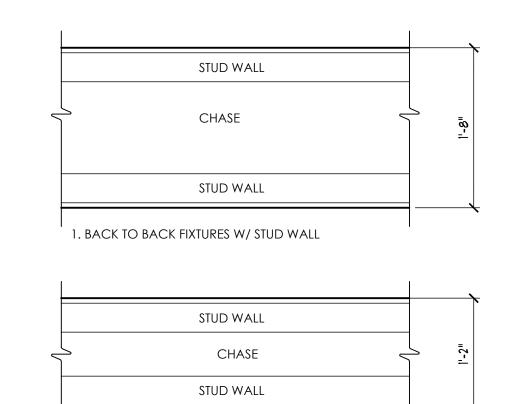






TYPE	FIRE TEST LAB & DESIGN	FIRE RATING	STC
M6d	UL U-411	2 HR	55

PLUMBING CHASE DIMENSIONAL REQUIREMENTS



2. FIXTURE W/ STUD WALL

PARTITION TYPE LEGEND:

MATERIAL DESIGNATION

- CONSTRUCTION BARRIER 3 \(\frac{1}{8} \)" STEEL STUDS x 20 GA.
- F FURRED ASSEMBLY
- M CONCRETE MASONRY UNIT (CMU)
- S STEEL STUDS x 20 GA.
- X SHAFT WALL ASSEMBLY, STEEL STUD

SIZE SUFFIX:

- 1 1 %" STUD OR 7/8" FURRING
- $2 2\frac{1}{2}$ " STUD OR 2" Z FURRING
- $3 3\frac{5}{8}$ " Stud or 3" z furring
- 4 4" CONCRETE MASONRY UNIT (CMU) OR 4" STUD
- 6 6" CONCRETE MASONRY UNIT (CMU) OR 6" STUD
- 8 8" CONCRETE MASONRY UNIT (CMU) OR 8" STUD
- 9 (2) 3 ½" CHASE WALL
- 10 10" CONCRETE MASONRY UNIT (CMU)
- 12 12" CONCRETE MASONRY UNIT (CMU)

RATING SUFFIX:

- r (1) HOUR RATED (CMU) OR (1) HOUR RATED PARTITION, SINGLE LAYER OF %" TYPE "X" GWB EACH SIDE OF PARTITION, FULL HEIGHT.
- d (2) HOUR RATED (CMU) OR (2) HOUR RATED PARTITION-DOUBLE LAYER OF $\frac{5}{8}$ " TYPE "X" GWB EACH SIDE OF PARTITION, FULL HEIGHT.

ACCESSORIES SUFFIX:

- a $\frac{5}{8}$ " GWB ADHERED TO SUBSTRATE (EXISTING OR NEW)
- c GWB TO 6" ABOVE CEILING ON ONE SIDE OF PARTITION AND FULL HEIGHT OPPOSITE
- e LAYER OF GWB MOVED TO OPPOSITE SIDE OF ASSEMBLY
- f FURRING GWB ONE SIDE ONLY.
- i SOUND ATTENUATING BATT INSULATION.

I - LEADED GWB

- p ON TAG SIDE OF PARTITION, USE 1 LAYER OF 5/8" GWB FULL HEIGHT PLUS AN ADDITIONAL OUTER LAYER OF 5/8" GWB TO 4" ABOVE FINISHED CEILING SYSTEM (STAGGER SEAMS). OPPOSITE SIDE OF PARTITION TO BE 1 LAYER OF 5/8" GWB FULL HEIGHT UNLESS "d" RATING SUFFIX IS ALSO INDICATED.
- s SOUND SEAL
- † CERAMIC WALL TILE (CWT) OR CEMENTITIOUS BACKER BOARD AND TILE AT STUD
- v PLASTER VENEER.
- w CONTINUE EXISTING WALL TO UNDERSIDE OF STRUCTURAL DECK ABOVE.
- z FURRING CHANNEL WITH 1 LAYER GWB TO 6" ABOVE CEILING, INSTALLED ON TAG SIDE OF PARTITION (REFER TO WALL TYPE DETAIL FOR CHANNEL SIZE).

GENERAL NOTES:

- 1. FULL HEIGHT PARTITIONS SHALL EXTEND TO THE BOTTOM OF CONCRETE, METAL, OR OTHER STRUCTURAL DECK ABOVE.
- 2. FLUTES IN METAL DECK ABOVE RATED PARTITIONS SHALL BE FILLED WITH FIRE SAFING INSULATION. FIRE STOP ENTIRE PERIMETER OF RATED PARTITIONS, INCLUDING EXTERIOR WALLS, WITH A UL LISTED JOINT SYSTEM FIRESTOP ASSEMBLY.
- 3. PROVIDE DEFLECTION TRACKS AT METAL STUD PARTTITIONS THAT TERMINATE AT THE UNDERSIDE OF STRUCTURAL DECK ABOVE.
- 4. ALL PENETRATIONS IN FIRE RATED PARTITIONS SHALL BE FIRE STOPPED AND SEALED.
- 5. PROVIDE ABUSE RESISTANT 5/8" TYPE 'X' GYPSUM WALL BOARD AT ALL FIRE RATED PARTITIONS.
- 6. PROVIDE 5/8" MOISTURE RESISTANT GYPSUM WALL BOARD AT TOILET ROOM, LAVATORY, CUSTODIAL CLOSET OR OTHER WET LOCATIONS.
- 7. PARTITION TYPES WITH ONE SIDE OF DOUBLE DRYWALL SHALL BE PLACED SO THAT THE DOUBLE SIDE IS ON CORRIDOR AND/OR HIGH TRAFFIC SIDE OF THE WALL.
- 8. REFER TO THE STRUCTURAL SERIES DRAWINGS FOR MASONRY WALL REINFORCEMENT.
- 9. ALL PARTITIONS SHALL BE SEALED TO PREVENT THE PASSAGE OF SMOKE.
- 10. PROVIDE BULL-NOSED EDGES AT ALL EXPOSED MASONRY CORNERS.
- 11. PROVIDE DOUBLE STUDS AT PERIMETER OF ALL OPENINGS.
- 12. CONTRACTOR SHALL REFER TO CODE/LIFE SAFETY DRAWING FOR LOCATIONS OF RATED PARTITIONS.
- 13. REFER TO THE INTERIOR SERIES DRAWINGS FOR WALL FINISH INFORMATION.

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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

Project Name 2022-2023 CIP

District Office Address

22 EDWARD ST, OSSINING, NY 10562

OSSINING

■ PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

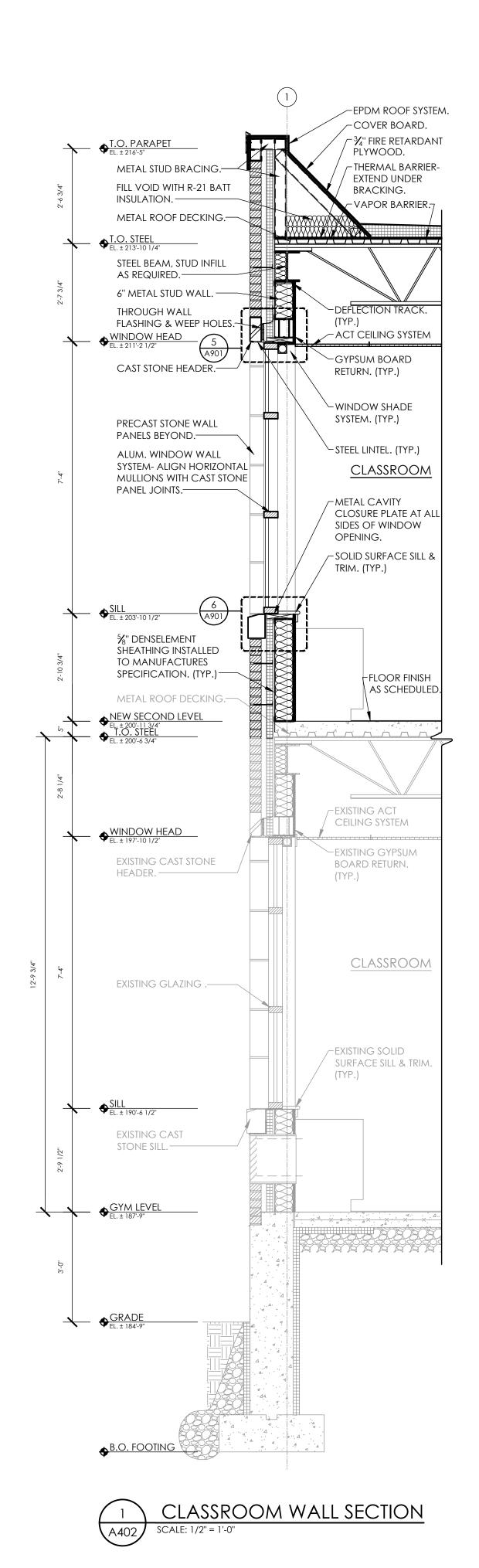
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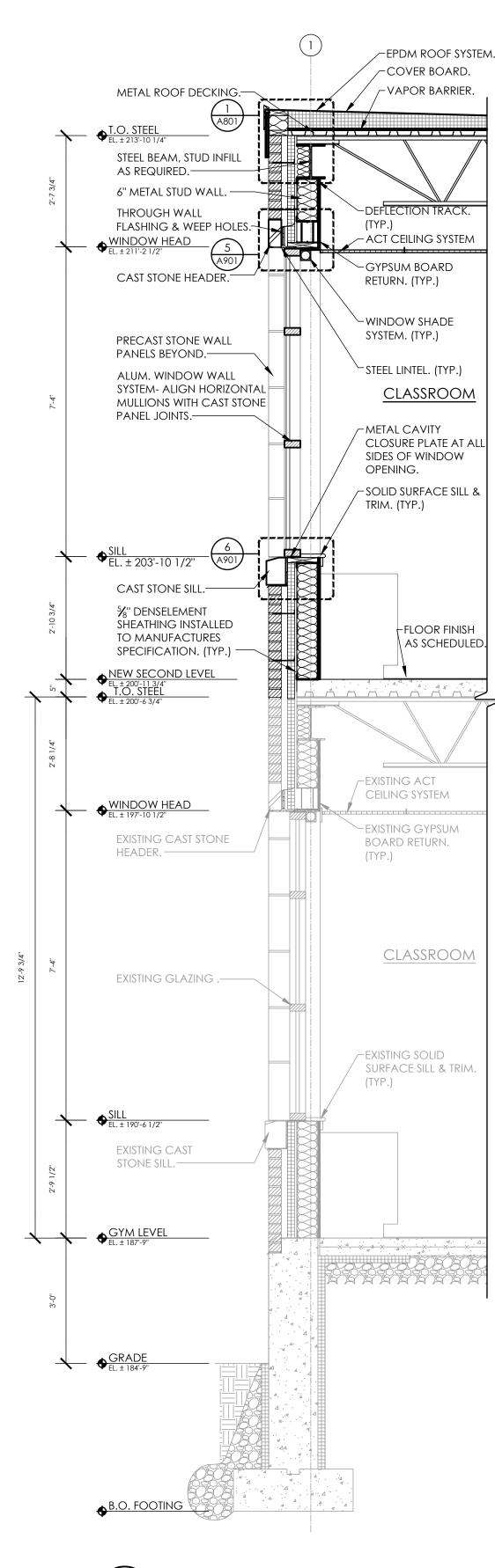
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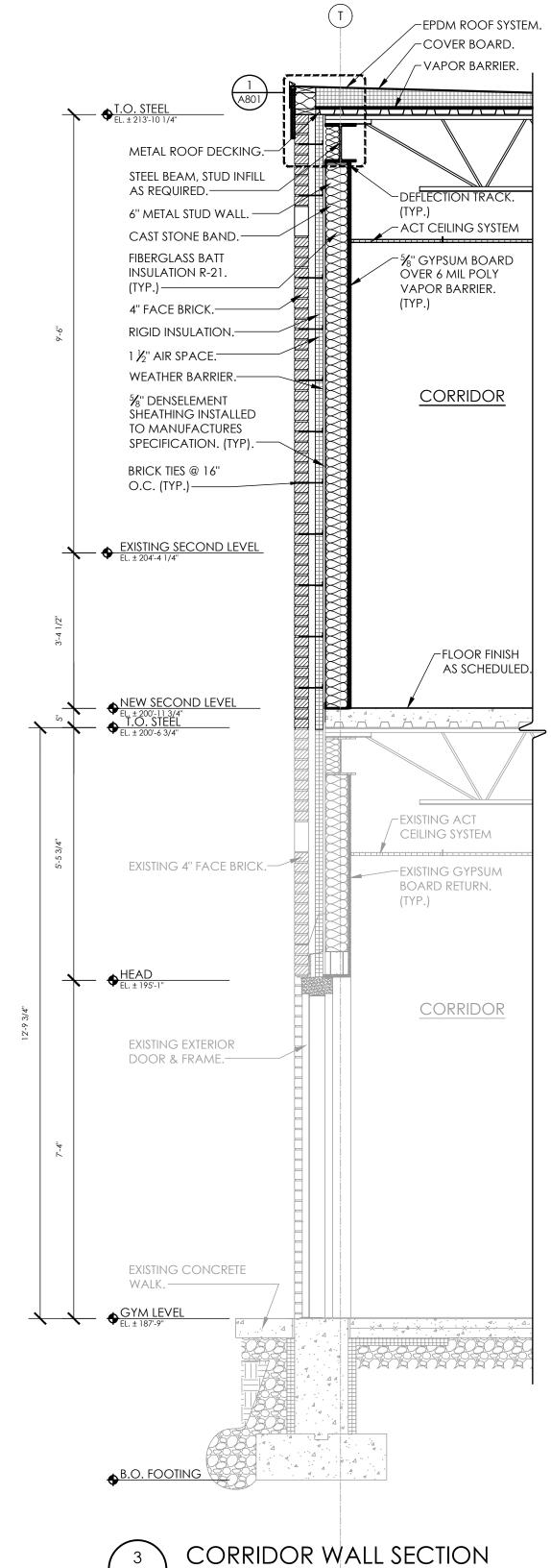
AS INDICATED 09/05/23 Project Status

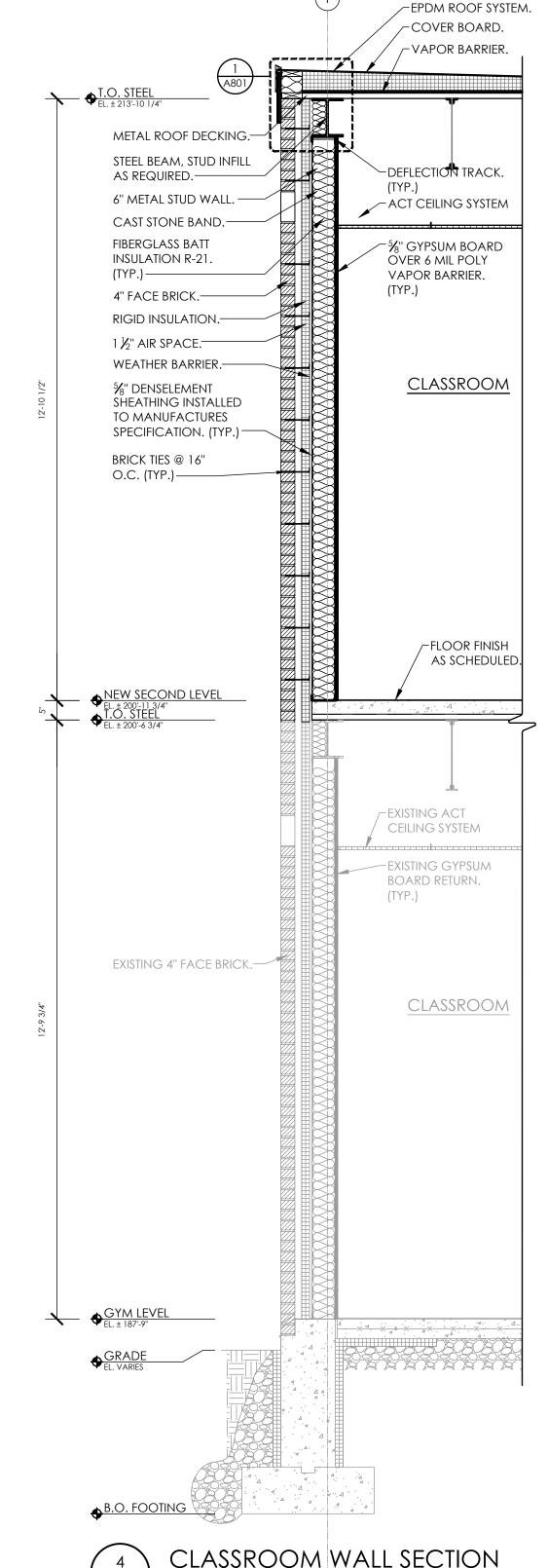
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Drawing Title TYPICAL WALL TYPES

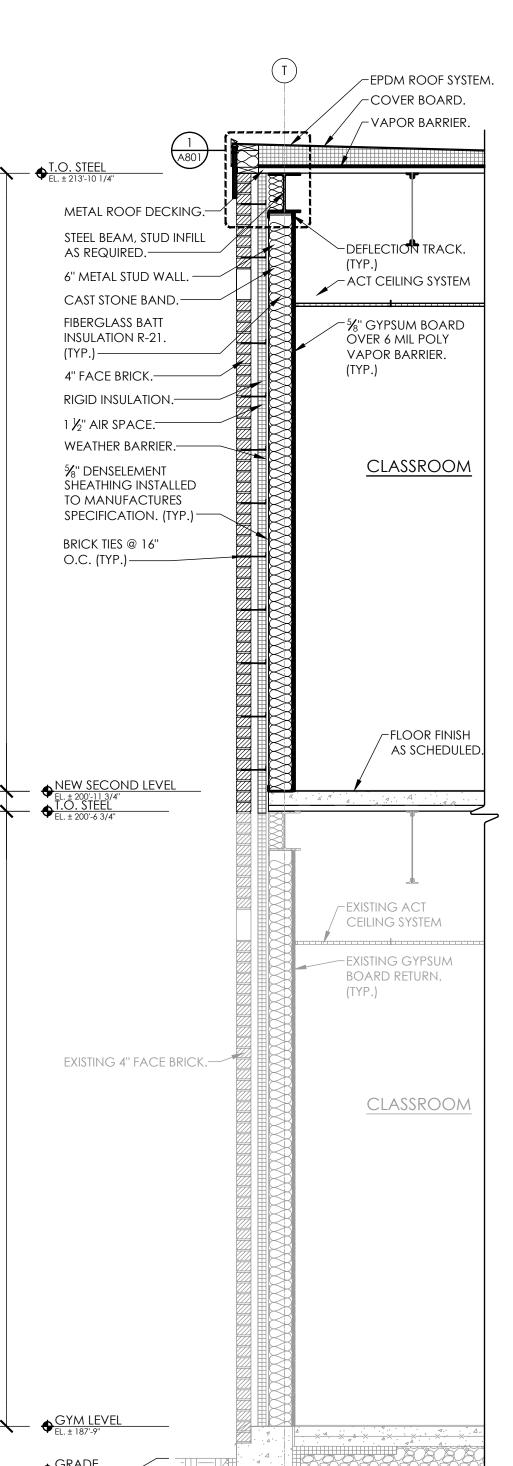








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CLASSROOM WALL SECTION

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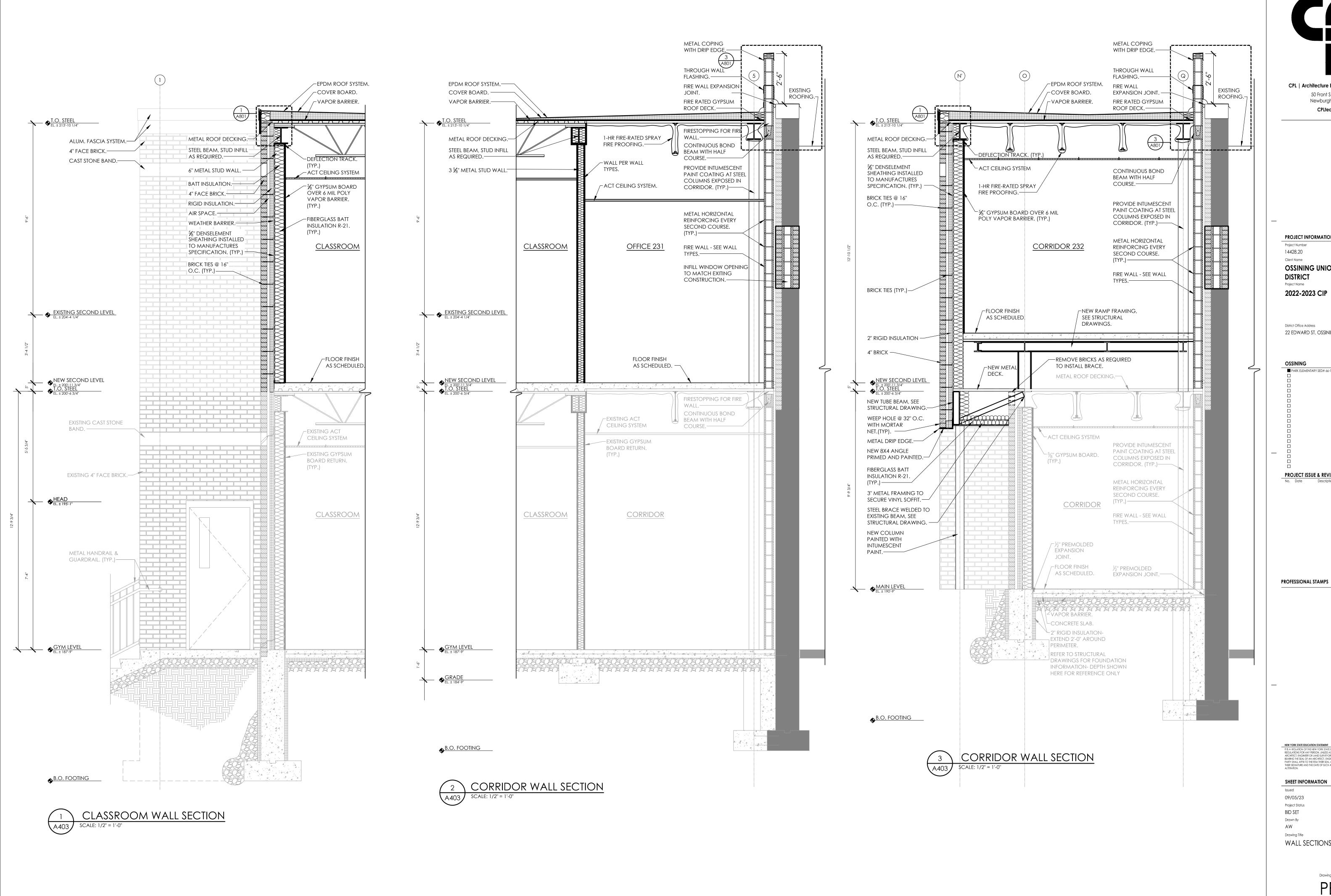
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Project Name

WALL SECTIONS- NEW WORK

CLASSROOM WALL SECTION



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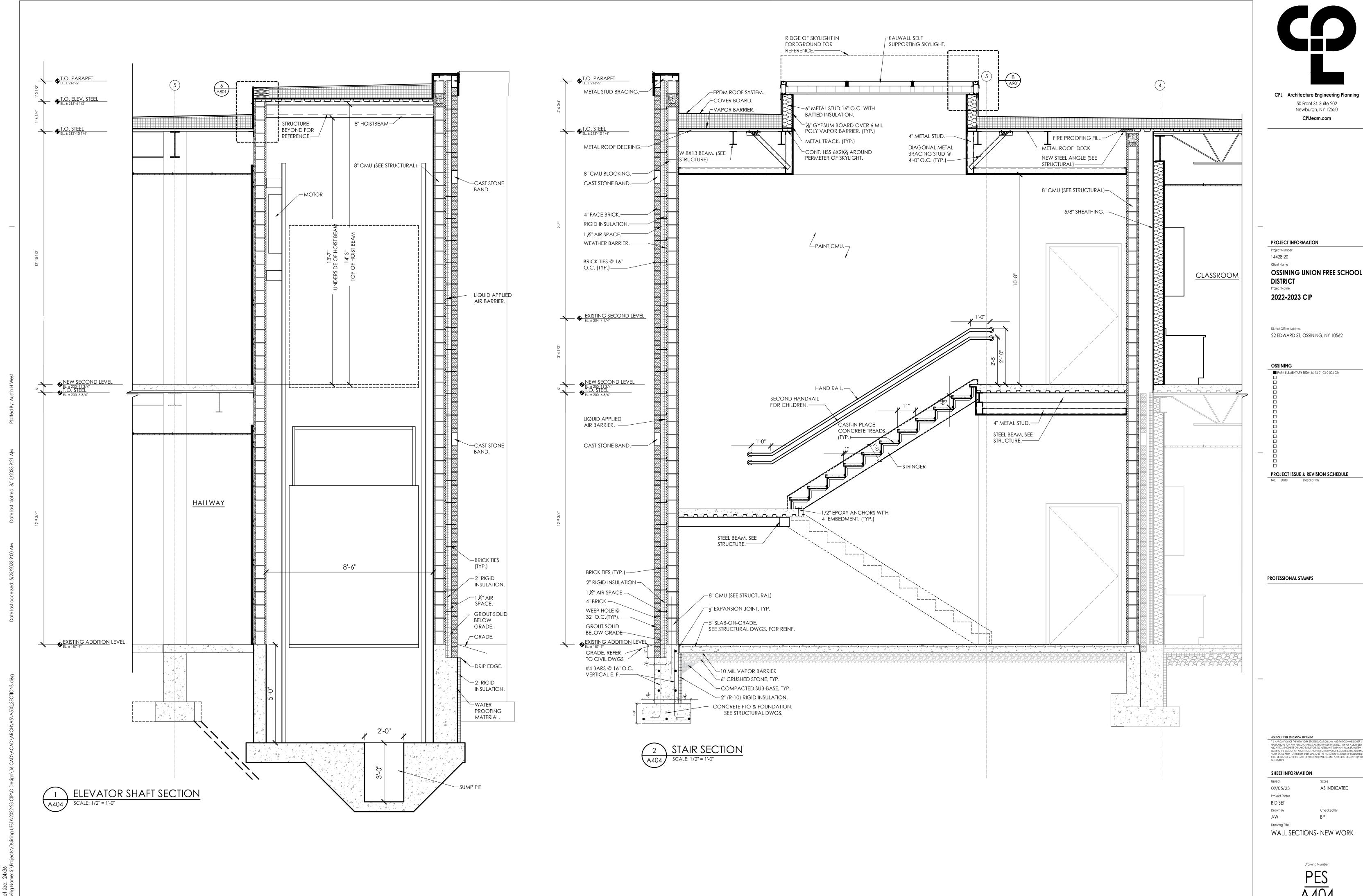
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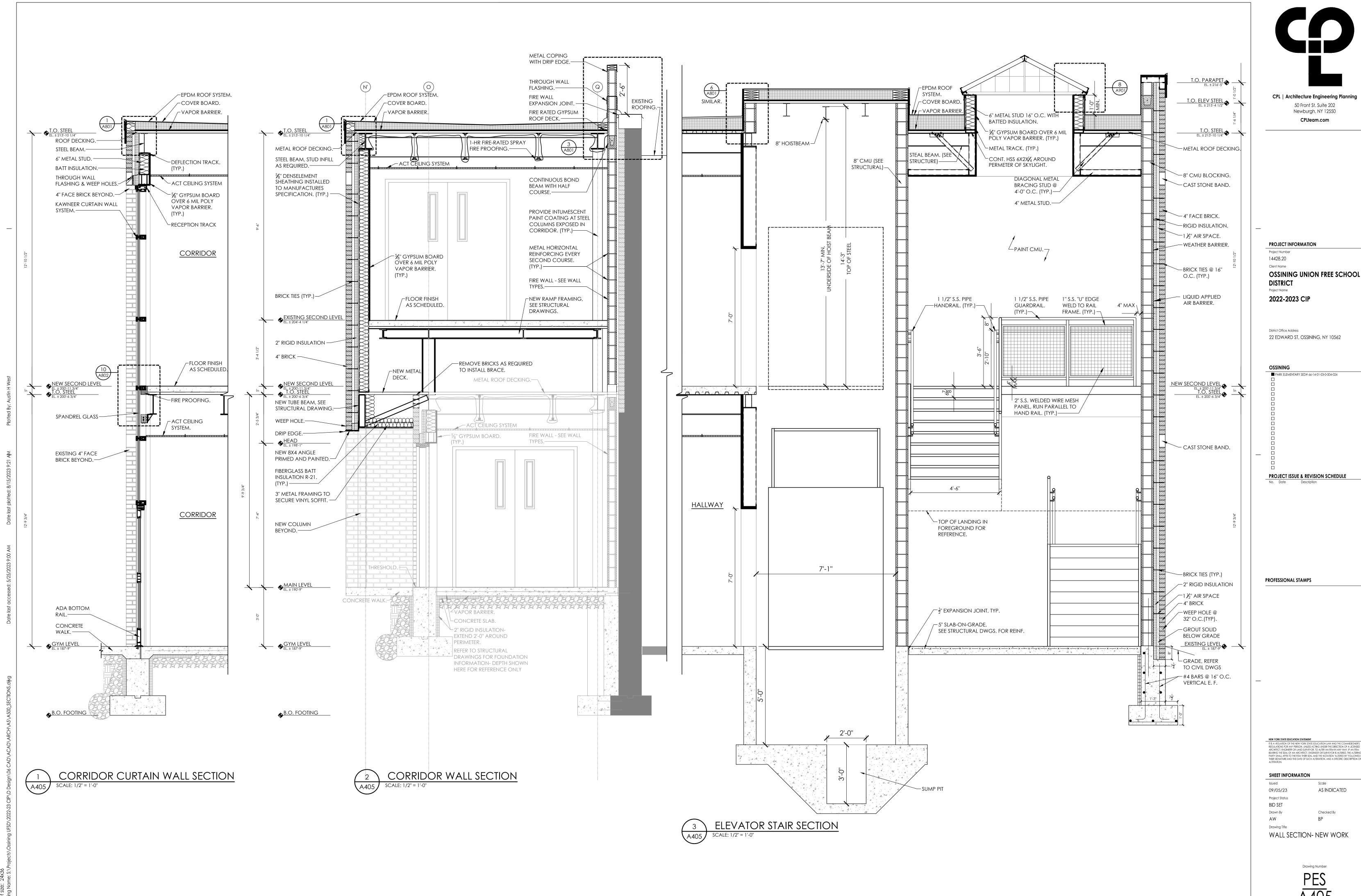
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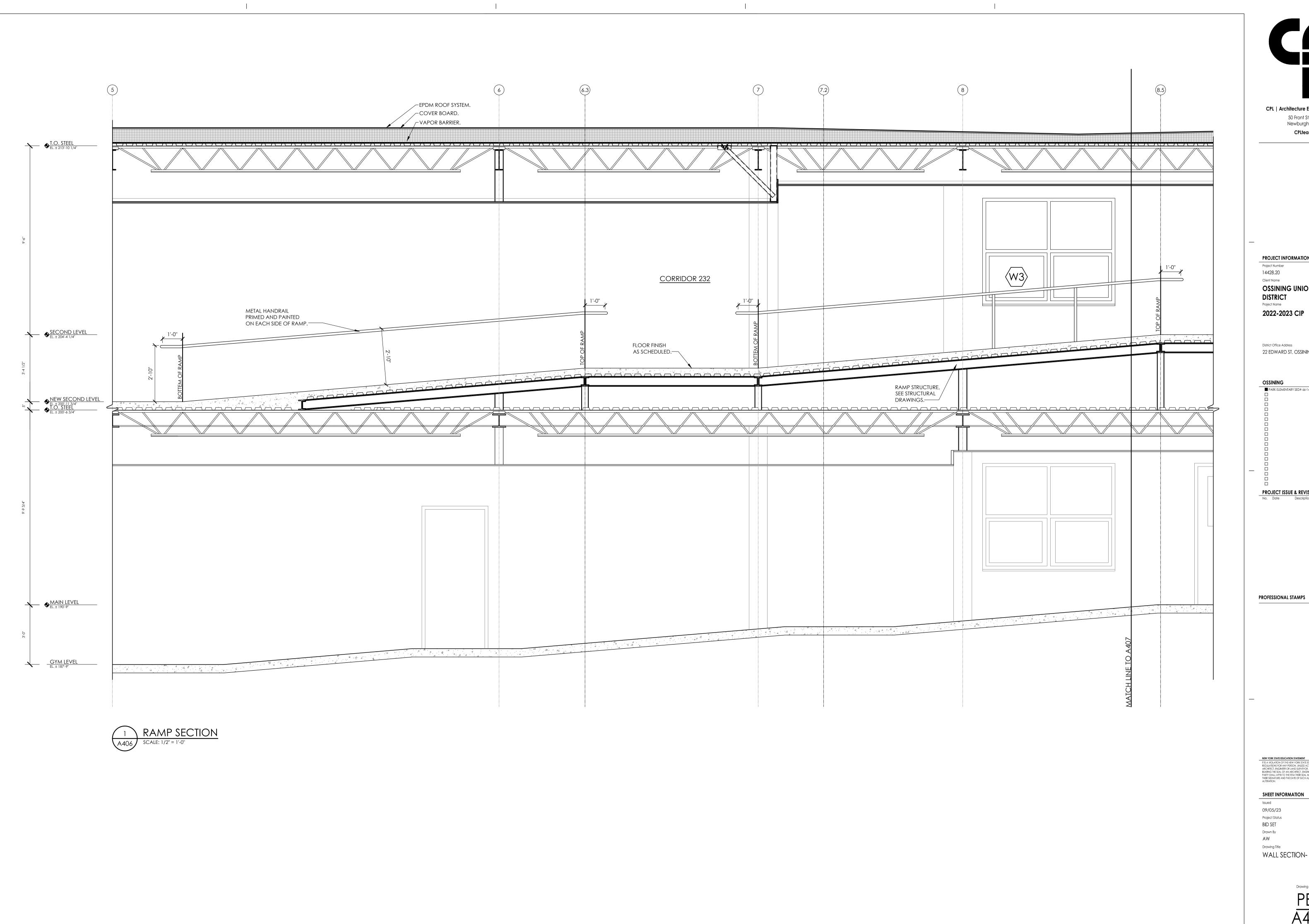
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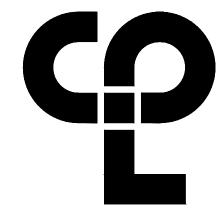
Checked By

Drawing Number









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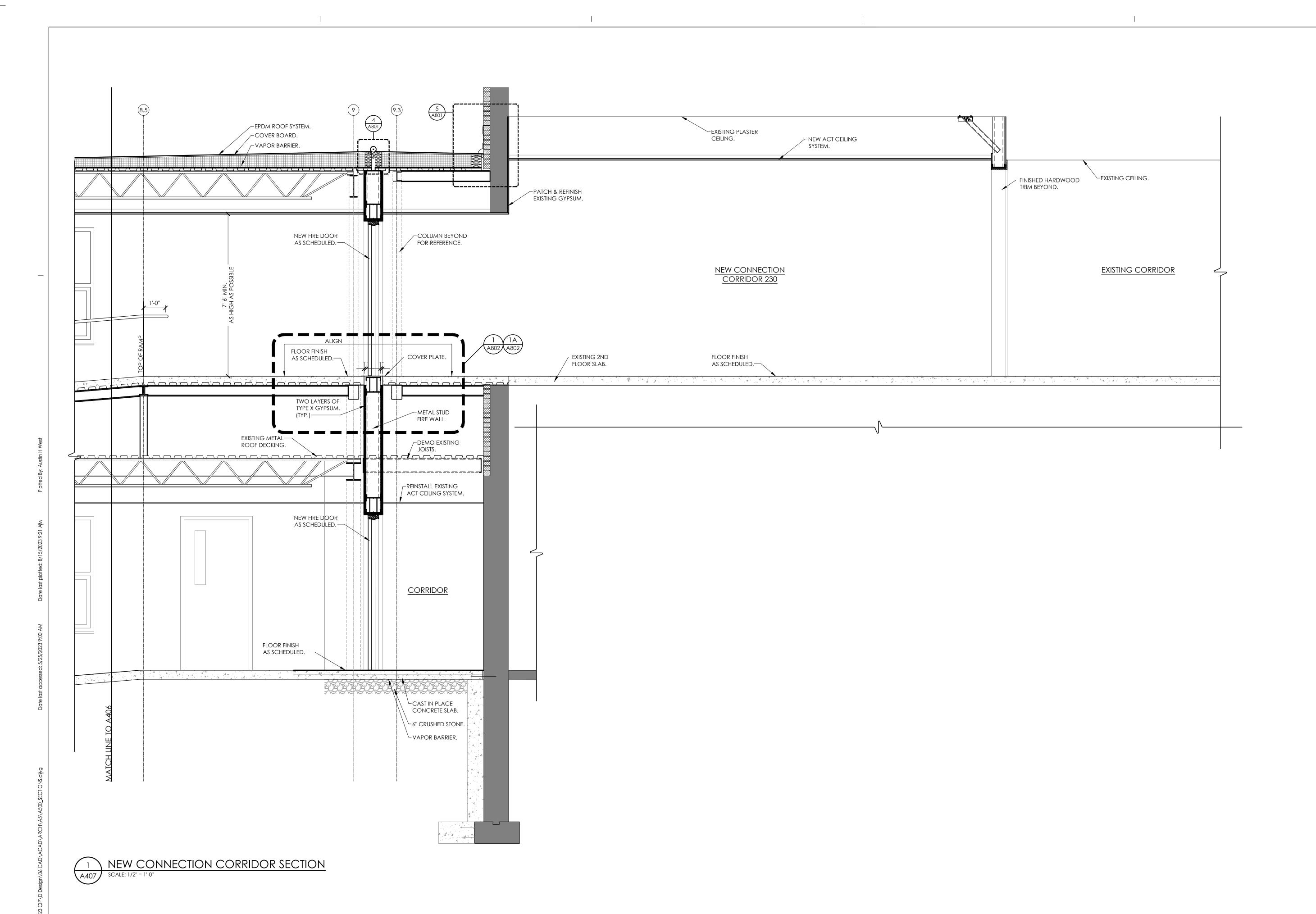
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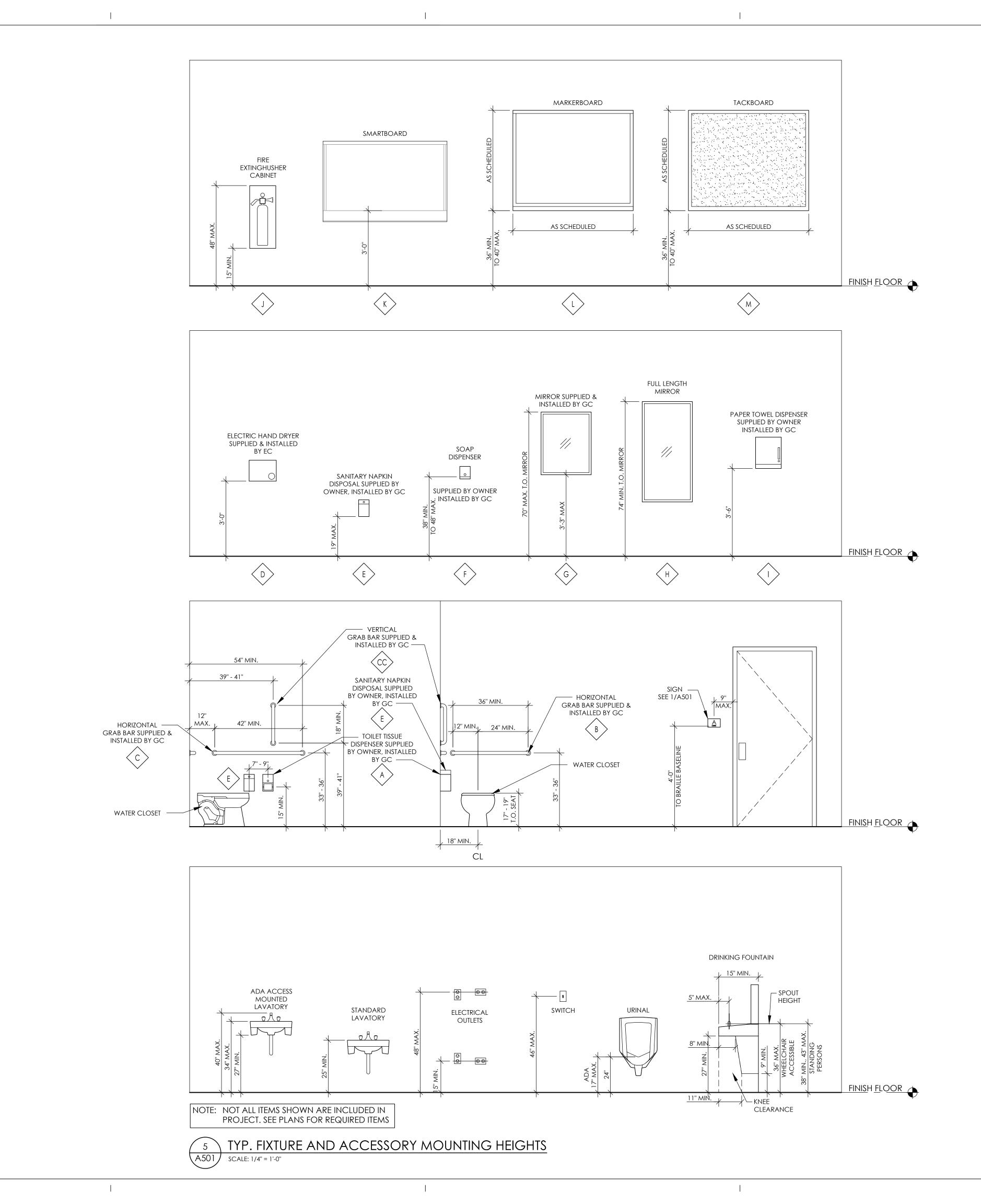
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AW BP

Drawing Title

WALL SECTION- NEW WORK

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PROJECT INFORMATION Project Number

14428.20

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2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

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PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

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TYPICAL FICTURE MOUNTING HEIGHTS

Drawing Number

4 1/2"

ROOM NAME NAME INSERT

BOYS

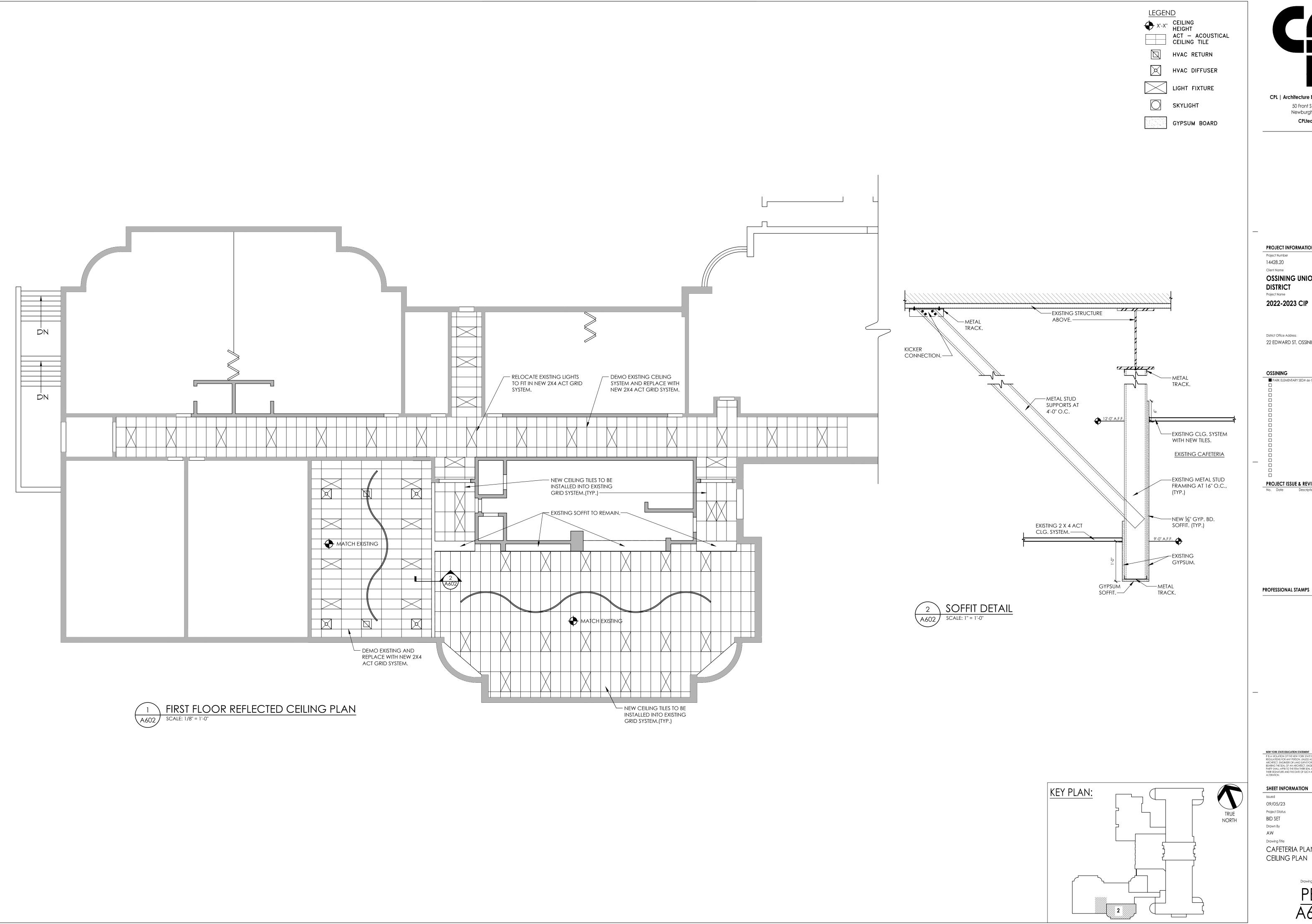
SIGNAGE TYPES

SCALE: 3" = 1'-0"

GIRLS









PROJECT INFORMATION Project Number 14428.20 OSSINING UNION FREE SCHOOL **DISTRICT** Project Name 2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

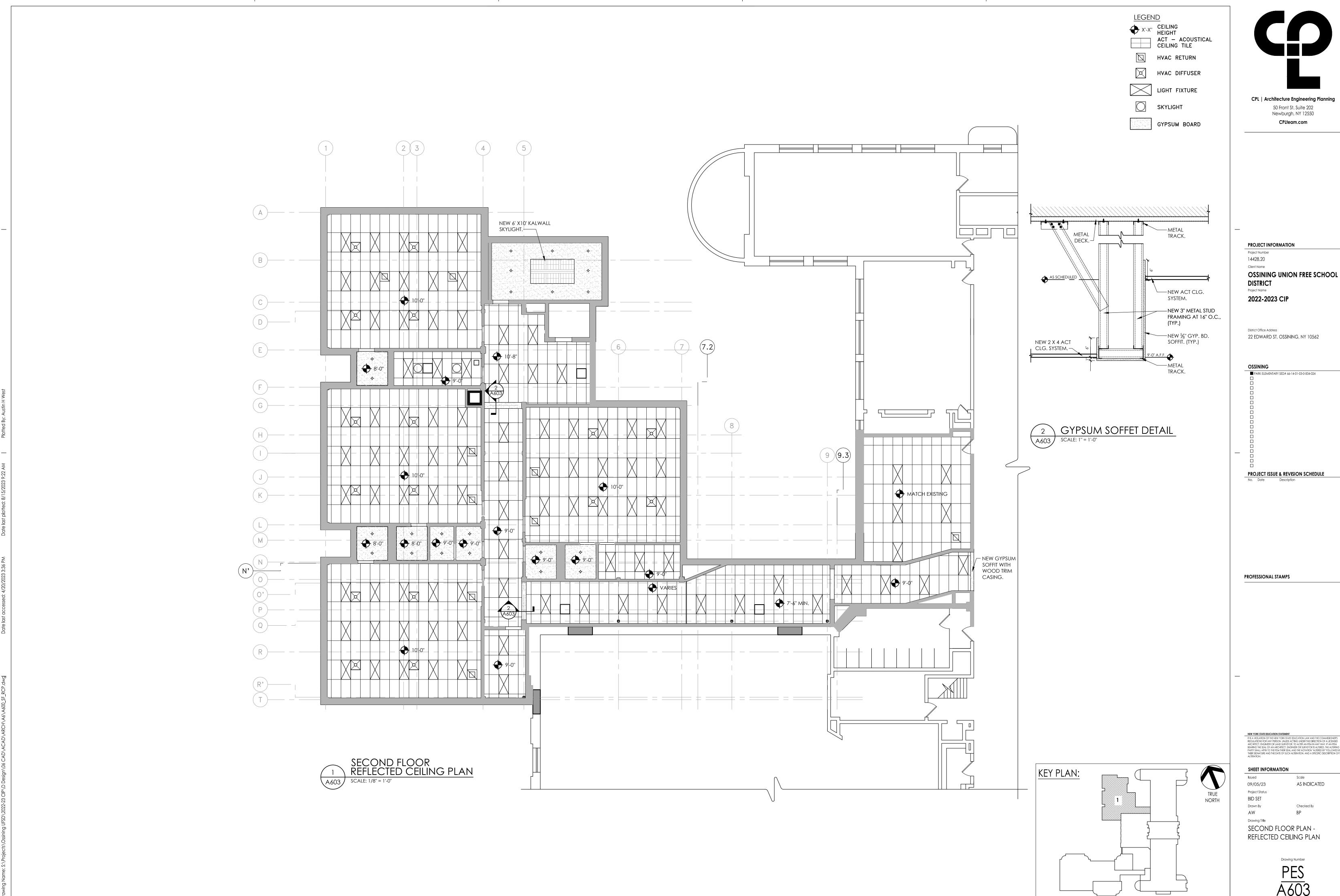
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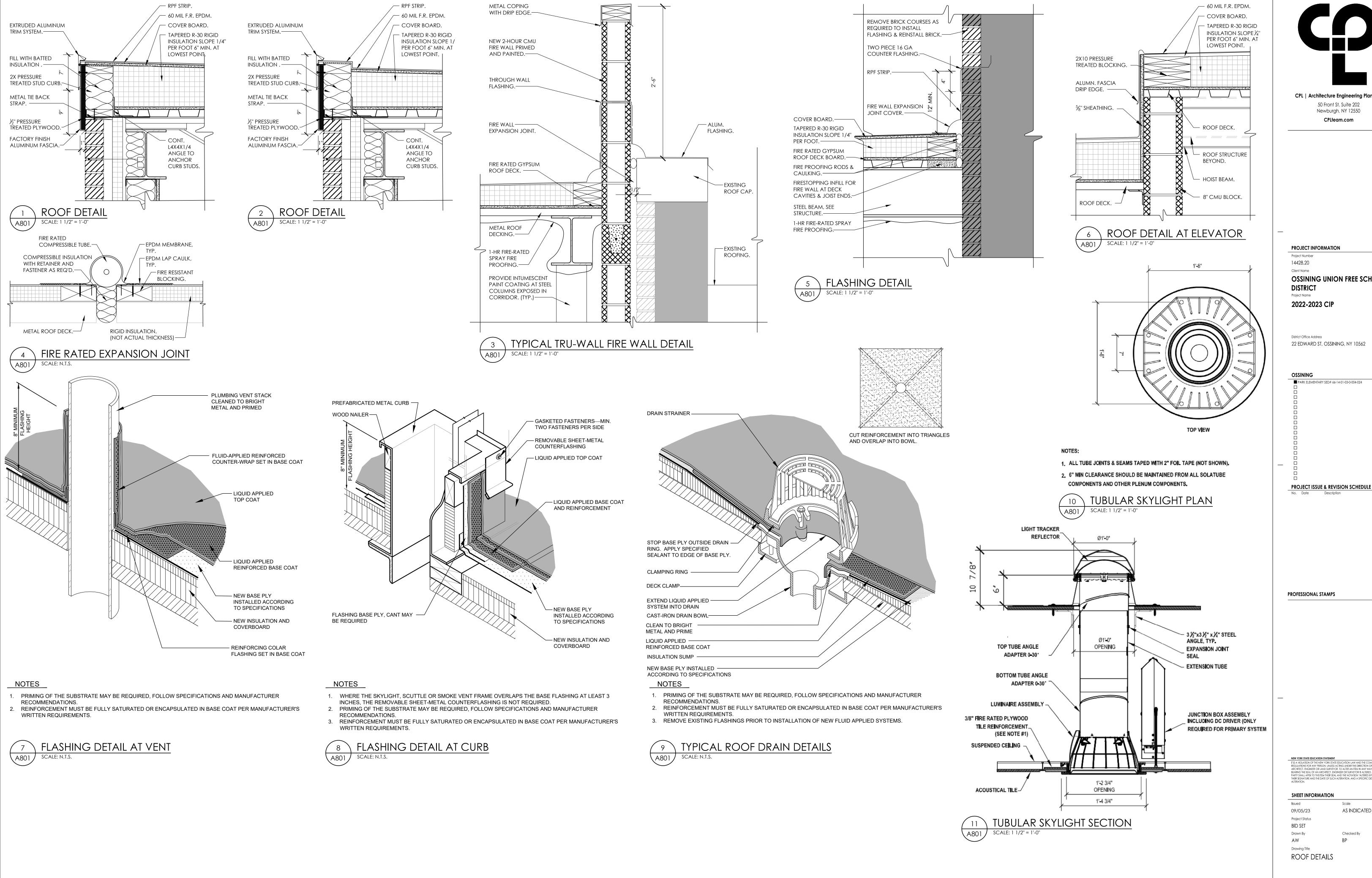
No. Date Description

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Drawing Number





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14428.20

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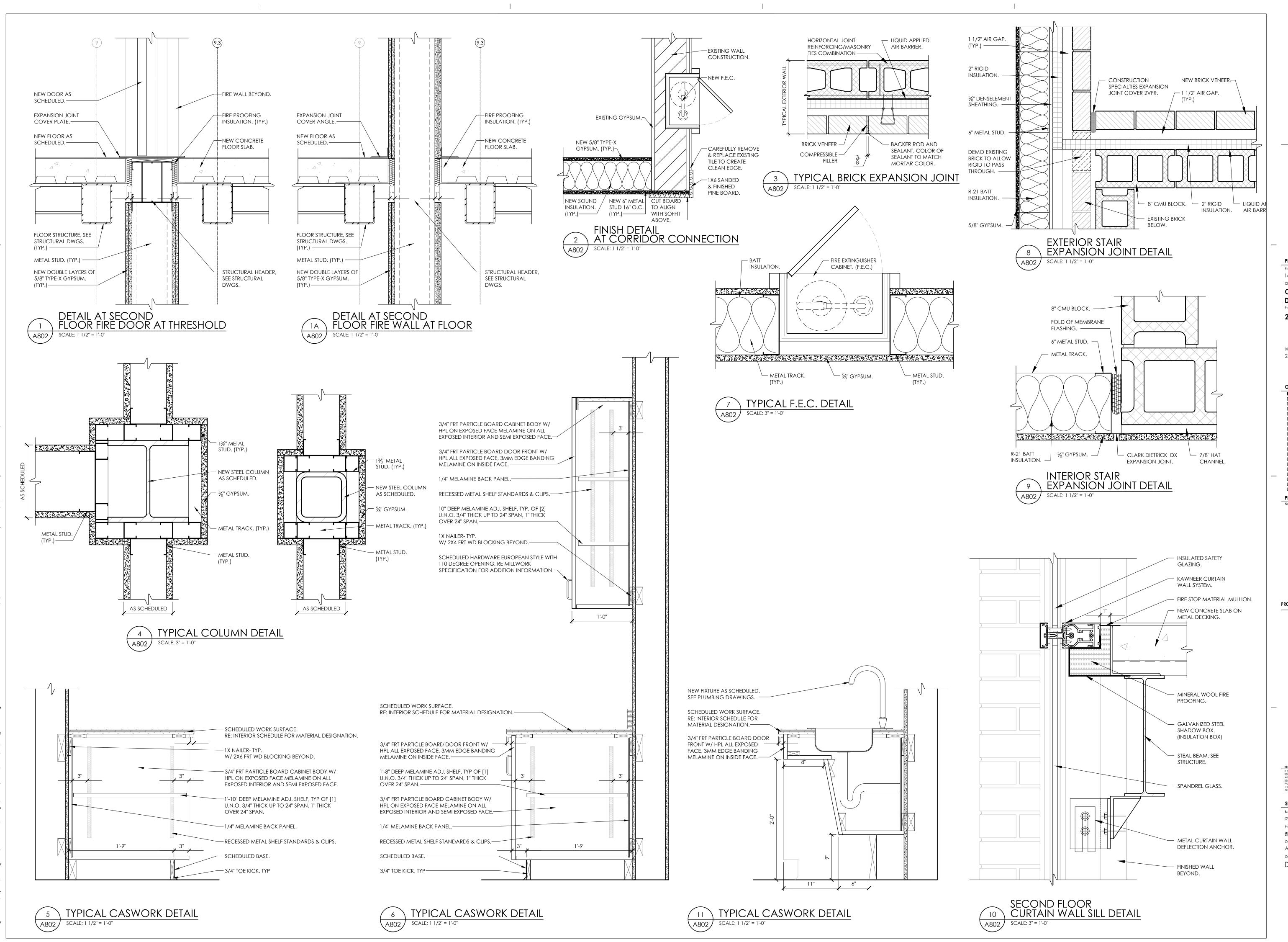
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Drawn By Drawing Title

ROOF DETAILS



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AW BP

Drawing Title
DETAILS

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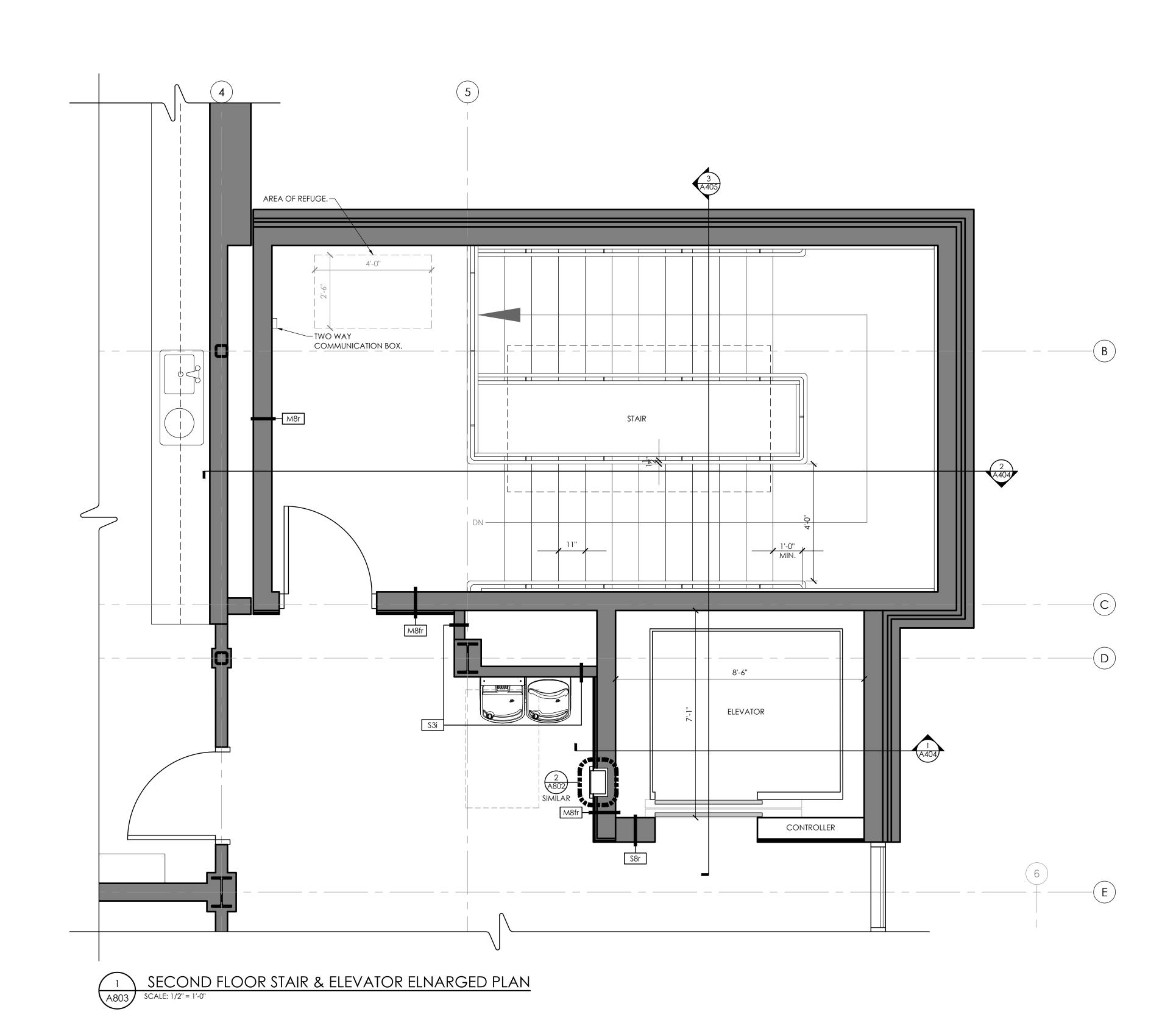
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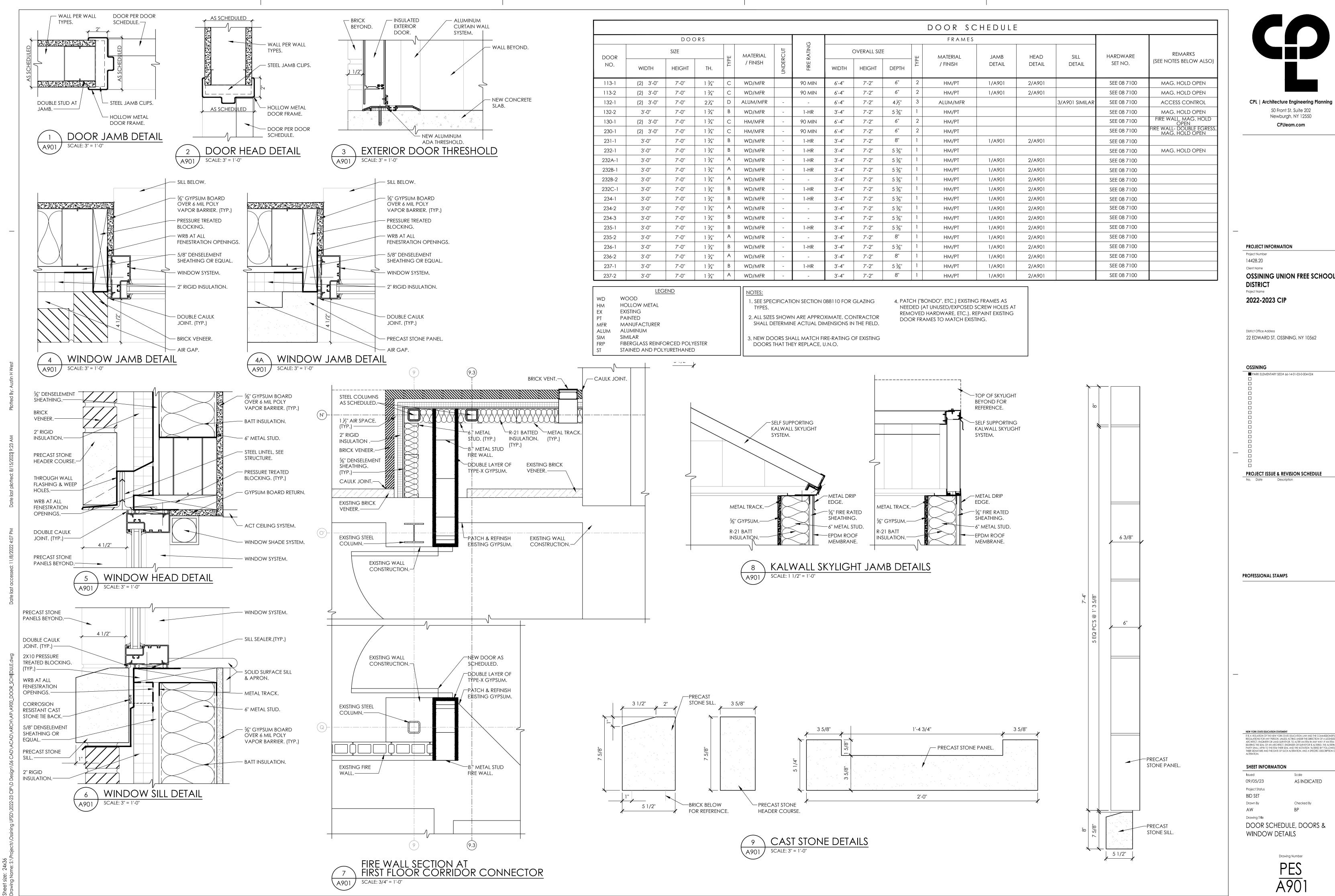
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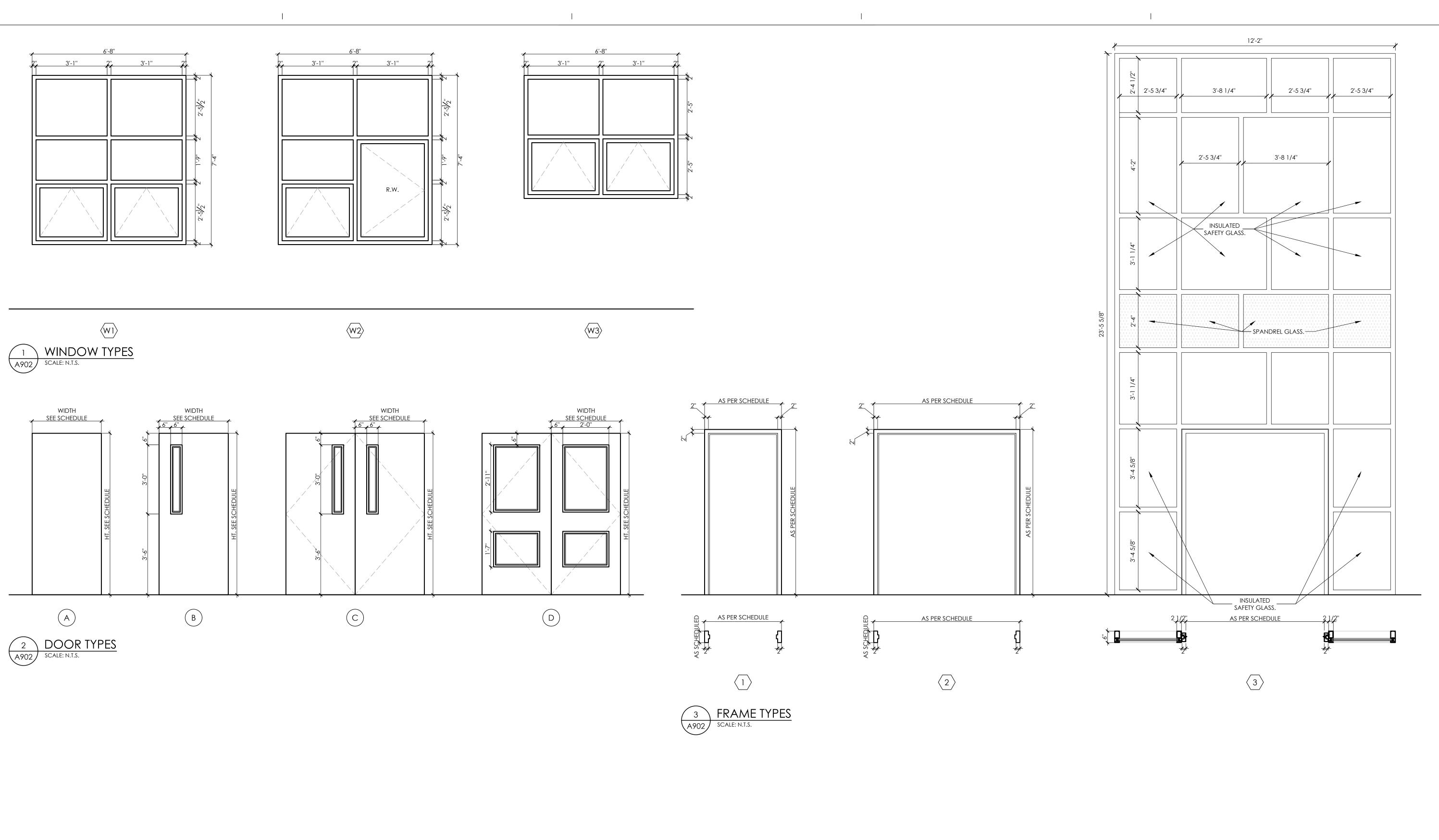
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rawn By .W

DOOR, WINDOW & FRAME TYPES

PES A902

Sheet size: 24x36 Drawing Name: 5.7 Projects\Ossining UFSD\2022-23 CIP\D Design\

NISH	CODE	MANUFACTURER	STYLE/PATTERN	COLOR	SIZE	additional requirements	remarks
ACT	ISTICAL 1	ARMSTRONG CEILINGS OR EQUAL	SCHOOL ZONE FINE FISSURED 1714- SQ LAY IN	WHITE	24" X 48" X 3/4"	CLASS A FIRE PERFORMANCE; NRC .70; CAC 40; 82% LIGHT REFLECTANCE; BIOBLOCK, MILDEW & MOLD RESISTANT;	TYPICAL 2' x 4' CEILING TILE, WHERE INDICATED
\COL	ISTICAL	WALL PANEL (AWP)				WITH 15/16" PRELUDE SUSPENSION SYSTEM; WHITE	
νWΡ	1	ARMSTRONG CEILINGS OR EQUAL	TECTUM DESIGN ART - SHAPES DIRECT ATTACH WALLS - SQUARE 5420R05T10	MARIGOLD TMG	24" X 24" X 1"		CAFETERIA
WP	2	ARMSTRONG CEILINGS OR EQUAL	TECTUM DESIGN ART - SHAPES DIRECT ATTACH WALLS - CIRCLE 5420C02T10	MARIGOLD TMG	24" X 24" X 1"	CEMENTITIOUS WOOD FIBER; FACTORY-APPLIED LATEX PAINT FINISH; ABUSE-RESISTANT SILICATE SURFACE COATING; CLASS 1; HUMIGIUARD PLUS PERFORMANCE; BIOBLOCK	CAFETERIA
ΛWP	3	ARMSTRONG CEILINGS OR EQUAL	TECTUM DESIGN ART - SHAPES DIRECT ATTACH WALLS - TRIANGLE 5420T04T10	MARIGOLD TMG	28" X 24" X 1"	ANTI-MOLD/MILDEW PERFORMANCE; DIRECT-ATTACH	CAFETERIA
CERA	MIC FLO	OOR TILE (CFT)			2" X 2" X ½"	CARO CHEMICAL DESIGNANT.	
CFT	1	DALTILE OR EQUAL	PORTFOLIO GLAZED CERAMIC MOSAIC	IRON GREY PF06	MOSAIC (12" X 24" SHEET)	C650 CHEMICAL RESISTANT; INSTALL WITH ± ½" GROUT JOINT	TOILET ROOM
CORN CG	ER GUA	ARD (CG) ACROVYN	TFC CORNER GUARD	136 PEARL GRAY	CUSTOM 1.5" X 1.5" LEGS	.040" THICKNESS; 90° ANGLE; ENGINEERED PVC FREE; CHEMICAL RESISTANT	REFER TO 1400
CG	2	ACROVYN	TFC CORNER GUARD	136 PEARL GRAY	CUSTOM 1.5" X 1.5" LEGS	.040" THICKNESS; CUSTOM ANGLE, GC TO VERIFY DIMENSION IN FIELD; ENGINEERED PVC FREE; CHEMICAL RESISTANT	REFER TO 1400
CTB	MIC TILI	DALTILE OR EQUAL	COLOR WHEEL CLASSIC COVE BASE A3401	ARCTIC WHITE MATTE 0790	4" X 4" COVE BASE	C650 CHEMICAL RESISTANT; INSTALL WITH ± ½" GROUT JOINT	TOILET ROOMS (U.N.O.)
CERA	VIC WA	ALL TILE (CWT)					
CWT	1	DALTILE OR EQUAL	COLOR WHEEL LINEAR	ARCTIC WHITE MATTE 0790	4" X 12"		CAFETERIA & ALTERNATE BID GC-02: FIELD TILE AT NEW ADDITION CORRIDC
CWT	2	DALTILE OR EQUAL	COLOR WHEEL LINEAR	OCEAN BLUE 1049	4" X 12"		ALTERNATE BID GC-02: ACCENT TILE / NEW ADDITION CORRIDOR.
CWT	3	DALTILE OR EQUAL	COLOR WHEEL LINEAR	EMERALD 0015	4" X 12"	C/FO CHEADOAL DESIGNANT, AJOHS	ALTERNATE BID GC-02: ACCENT TILE AND NEW ADDITION CORRIDOR.
CWT	4	DALTILE OR EQUAL	COLOR WHEEL LINEAR	MUSTARD 1012	4" X 12"	C650 CHEMICAL RESISTANT; MOHS 4.0 - 6.0; GROUT JOINT AS INDICATED BY TILE MANUFACTURER	ALTERNATE BID GC-02: ACCENT TILE / NEW ADDITION CORRIDOR.
CWT	5	DALTILE OR EQUAL	COLOR WHEEL LINEAR	ORANGE BURST 1097	4" X 12"		ALTERNATE BID GC-02: ACCENT TILE / NEW ADDITION CORRIDOR.
CWT	6	AMERICAN OLEAN OR EQUAL	COLOR STORY WALL	PASSION 0019	4" X 16"		CAFETERIA
CWT	7	DALTILE OR EQUAL	COLOR WHEEL CLASSIC	ARCTIC WHITE MATTE 0790	4" X 4"		TOILET ROOMS (U.N.O.)
WC	1	WOLF GORDON	9 COLOR DIGITALLY PRINTED WALL DECAL	IMAGE SUPPLIED AND APPROVED BY OWNER AND ARCHITECT.	re: 1001 for Size	TYPE III VINYL RAMPART SUBSTRATE W/ STRONGHOLD WALL LINER	ALTERNATE BID GC-03: CORRIDOR WALL ACCENT; REFER TO SCHEDULE ON 1001
)WC	2	WOLF GORDON	9 COLOR DIGITALLY PRINTED WALL DECAL	IMAGE SUPPLIED AND APPROVED BY OWNER AND ARCHITECT.	re: 1001 for Size	TYPE III VINYL RAMPART SUBSTRATE W/ STRONGHOLD WALL LINER	ALTERNATE BID GC-03: CORRIDOR WALL ACCENT; REFER TO SCHEDULE ON 1001
	PAINT	SHERWIN WILLIAMS	PRO-INDUSTRIAL WATER BASED	SW 7636			TANDICAL EDGAMA DANAT COLOR (ILLI)
EPT	1	OR EQUAL SHERWIN WILLIAMS	CATALYZED EPOXY PRO-INDUSTRIAL WATER BASED	ORIGAMI WHITE SW 7578	-	PREP DRYWALL SUBSTRATES WITH PRO MAR 200 PRIMER.	TYPICAL EPOXY PAINT COLOR (U.N.C
EPT ——	2	OR EQUAL SHERWIN WILLIAMS	CATALYZED EPOXY PRO-INDUSTRIAL WATER BASED	BORSCHT SW 6664	-	PREP CMU SUBSTRATE WITH PREP RITE BLOCK FILLER.	EPOXY PAINT ACCENT COLOR
EPT POX	3 (RESIN	OR EQUAL FLOOR (ERF)	CATALYZED EPOXY	MARIGOLD	-		EPOXY PAINT ACCENT COLOR
ERF	1	DEX-O-TEX	FLEXSHIELD	431 BRIGHT GRAY	1/8" THICK	4" INTEGRAL BASE; FLEXIBLE MEMBRANE; HIGH PERFORMANCE TOP COAT; 55 SHORE D HARDNESS PER ASTM D2240; IMPACT RESISTANT; CHEMICALLY RESISTANT; MICROBIAL RESISTANT; SLIP RESISTANT BROADCAST AGGREGATES	JANITOR CLOSET
SROL	IT (GR)						
GR GR	2	LATICRETE OR EQUAL	SPECTRALOCK PRO SPECTRALOCK PRO	TBD TBD	-	REFER TO SPECIFICATIONS	TOILET ROOM GROUT WALLS TOILET ROOM GROUT FLOOR
		RE LAMINATE (HPL)	3. Zeno ize ek no				TOILLI NO SIN SINGUIT LO SIN
HPL	1	FORMICA OR EQUAL	AEON SCRATCH RESISTANT	MAPLE WOODLINE	-	REFER TO SPECIFICATIONS	CASEWORK
HPL	2	ARBORITE OR EQUAL	TBD	ARCTIC SNOW	-	REFER TO SPECIFICATIONS	COUNTERTOPS
UXUR	Y VINY	L TILE (LVT)				CLASS III DDIVITED AMAN SI AMA SI AMA	
_VT	1	INTERFACE OR EQUAL	BRUSHED LINES	ALABASTER A01602	25CM X 1M X 4.5MM	CLASS III PRINTED VINYL PLANK; CLASS 1 RADIANT FLUX; 1500 PSI PER ASTM F970; 22 MIL WEAR LAYER; CERAMOR FINISH; ASHLAR INSTALLATION	ALTERNATE BID GC-01: FIELD COLOI
_VT	2	INTERFACE OR EQUAL	STUDIO SET	AQUA A00722	25CM X 1M X 4.5MM		ALTERNATE BID GC-01: ACCENT COLO
_VT	3	INTERFACE OR EQUAL	STUDIO SET	CHARTREUSE A00715	25CM X 1M X 4.5MM	RADIANT FLUX; 1500 PSI PER ASTM F970;	ALTERNATE BID GC-01: ACCENT COLO
_VT	4	INTERFACE OR EQUAL	STUDIO SET	YELLOW A00714	25CM X 1M X 4.5MM	22 MIL WEAR LAYER; CERAMOR FINISH; ASHLAR INSTALLATION	ALTERNATE BID GC-01: ACCENT COLO
_VT	5	INTERFACE OR EQUAL	STUDIO SET	ORANGE A00716	25CM X 1M X 4.5MM		ALTERNATE BID GC-01: ACCENT COLO

	CODE	MANUFACTURER	STYLE/PATTERN	COLOR	SIZE	ADDITIONAL REQUIREMENTS	REMARKS
AINT	(PT)	SHERWIN WILLIAMS OR		SW 9162			
PT	1	EQUAL	PRO MAR 200	AFRICAN GRAY	-		DOOR AND WINDOW FRAMES
PT	2	Sherwin Williams Or Equal	PRO MAR 200	SW 7007 CEILING BRIGHT WHITE	-		GWB CEILINGS; U.N.O.
PT	3	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 7636 ORIGAMI WHITE	-		FIELD, U.N.O.
PT	4	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 7578 BORSCHT	-		CAFETERIA ACCENT
PT	5	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 6664 MARIGOLD	-	REFER TO SPECIFCIATIONS	CAFETERIA ACCENT
PT	6	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 6774 FRESHWATER	-		CLASSROOM 1 ACCENT
PT	7	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 6918 HUMOROUS GREEN	-		CLASSROOM 2 ACCENT
PT	8	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 9022 YELLOW BIRD	-		CLASSROOM 3 ACCENT
PT	9	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 6890 OSAGE ORANGE	-		CLASSROOM 4 ACCENT
PT	10	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	SW 6775 BRINY	-		CORRIDOR ACCENT; STAIR RAILING & STRINGERS
PT	11	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	MATCH ADJACENT WALL FINISH; CONFIRM COLOR SELECTION WITH OWNER AND ARCHITECT			STAIR RAILING & STRINGLERS
ESILIE	ENT BAS	SE (RB)		OWNER AND ARCHITECT			
RB	1	TARKETT OR EQUAL	TIGHTLOCK RESILIENT BASE	38 PEWTER CG	4 ¾" HIGH	TYPE TP, GROUP 1 RESILIENT WALL BASE; CLASS A, ≤ 450 SMOKE DENSITY; PROVIDE IN 75' COILS	FIELD U.N.O.
ESILIE	ENT STA	IR TREAD (RST)					
RST	1 NT TILE	TARKETT OR EQUAL	TREAD AND RISERS VISUALLY IMPAIRED - PATTERN: TBD	38 PEWTER CG; BLACK GRIT TAPE	N/A	SEE SPECS	STAIRS
RT	1	TARKETT	COLOR SPLASH HAMMERED HRTSP	VF8 COZY CANYON CG	24" X 24" X 1/8"	CLASS 1-B HOMOGENEOUS COMPOSITION OF 100% SYNTHETIC RUBBER; CLASS 1 FIRE RESISTANCE; NOT LESS THAN 85 SHORE A HARDNESS; LIMITED 5-YR COMMERCIAL WARRANTY; QUARTER TURN INSTALLATION	RAMP
SM	SURFA	CE MATERIAL (SSM) CORIAN	N/A	PEARL GRAY	N/A	CLASS A; FLAME SPREAD INDEX <25;	TYPICAL SILL FINISH
	VINYL -	TILE (SVT)			.,,,,	SMOKE DEVELOPMENT INDEX <25	THE OLD THE GOLD THE GOLD
SVT	1	AMERICAN BILTRITE	TEXAS GRANITE	VTG-151 TAUPE	12" X 12" X 1/8"		CAFETERIA; FIELD FILE
SVT	2	AMERICAN BILTRITE	TEXAS GRANITE	VTG-156 SPICE RED	12" X 12" X 1/8"	CLASS I, TYPE A SOLID VINYL; CHEMICAL RESISTANT; > 0.5 SCOF; <450 SMOKE	CAFETERIA; ACCENT TILE
SVT	3	AMERICAN BILTRITE	TEXAS GRANITE	VTG-177 AMBER	12" X 12" X 1/8"	DENSITY. QUARTER TURN INSTALLATION	CAFETERIA; ACCENT TILE
HEET	WALL P	PROTECTION (SWP) P3TEC	SIMPLICITY	SERENITY P3T-60062	48" H X 0.033	CAULK ALL SEAMS WITH COORDINATING COLOR. PROVIDE TOP CAP AT TOP EDGE; CONFIRM COLOR WITH ARCHITECT.	CLASSROOM CORRIDOR; RE: 1400
RIM (TR)	SCHLUTER SYSTEMS			AS REQUIRED		EXPOSED TOP EDGE & OUTSIDE
TR	1	OR EQUAL	JOLLY	ANODIZED ALUMINUM	TO MEET TILE THICKNESS AS REQUIRED	-	TILE CORNERS
TR	2	SCHLUTER SYSTEMS OR EQUAL	DILEX-AHKA	ANODIZED ALUMINUM	TO MEET TILE THICKNESS	-	COVE AT CAFETERIA & ALTERNATE BID GC-02: COVE AT TILED CORRIDORS
	ITION S	TRIP (TS)			AS REQUIRED		TVDIG LL LT LLL TOUET DO G LO
TS	1	MARBLE THRESHOLD	-	-	TO MEET FLOOR THICKNESS AS REQUIRED	ADA COMPLIANT	TYPICAL AT ALL TOILET ROOMS
TS	2	SCHLUTER SYSTEMS	VINPRO-T	ANODIZED ALUMINUM	TO MEET FLOOR THICKNESS AS REQUIRED	ADA COMPLIANT	LVT/VCT/SVT TO ETR FLOORING
TS	3	SCHLUTER SYSTEMS	VINPRO-U	ANODIZED ALUMINUM	TO MEET FLOOR THICKNESS	ADA COMPLIANT	LVT/VCT TO ERF
TS	4	SHAW CONTRACT	FINISH 0.28 IN - 267VS	00500 SILVER	AS REQUIRED TO MEET FLOOR THICKNESS	ADA COMPLIANT	VCT TO WOC
П	ABLE W	ALL SURFACE (TWS) ASI VISUAL DISPLAY	1/0" \/INIVLOQ\/EDED TAQ\/20 / 55	CALELLOS	48" H; LENGTH		DE. INTERIOR ELEVATIONS
WS NYL	COMP	PRODUCTS OSITION TILE (VCT)	1/2" VINYL COVERED TACKBOARD	SALEM GRAY	AS REQUIRED PER DWGS		RE: INTERIOR ELEVATIONS
′СТ	1	TARKETT OR EQUAL	VCTII	557 SHOOTING STAR	12" X 12" X 1/8"		BASE BID: FIELD COLOR
′СТ	2	TARKETT OR EQUAL	VCT II	598 DEEP WATER	12" X 12" X 1⁄8"		BASE BID: ACCENT COLOR
'CT	3	TARKET OR EQUAL	VCT II	526 GREEN GRAPE	12" X 12" X 1⁄8"	CLASS 2 THROUGH PATTERN; TYPE II; SCOF ≥ 0.5; CLASS 1 FLAME SPREAD;	BASE BID: ACCENT COLOR
'CT	4	TARKETT OR EQUAL	VCT II	500 BUTTERMILK	12" X 12" X 1/8"	≤ 450 FLAME DENSITY; QUARTER TURN INSTALLATION	BASE BID: ACCENT COLOR
/СТ	5	TARKETT OR EQUAL	VCT II	503 ADOBE	12" X 12" X 1⁄8"		BASE BID: ACCENT COLOR
VALK VOC	OFF C	ARPET (WOC) SHAW CONTRACT	PACE TILE 5T413	STEP 14549	24" X 24" X .275"	BACKING; ECOWORX SECONDARY	TYPICAL WALK OFF CARPET
WRITEABLE SURFACE (WS) BACKING; QUARTER TURN INSTALLATION						BACKING; QUARIER TURN INSTALLATION	
VRITE/			1/2" E3 PORCELAIN ENAMEL COATED		48" H; LENGTH		
ws		ASI VISUAL DISPLAY PRODUCTS EATMENT (WT)	WRITING SURFACE	WHITE	AS REQUIRED PER DWGS	ETCHED AND SATIN ANODIZED; WITH CHALK TRAY AND TACK STRIP	CLASSROOM TEACHING WALL



PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISGTRICT

2022 - 2023 CIP

District Office Address

22 EDWARD ST, OSSINING, NY 10562

OSSINING ■ PARK ELEMENTARY SED # 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

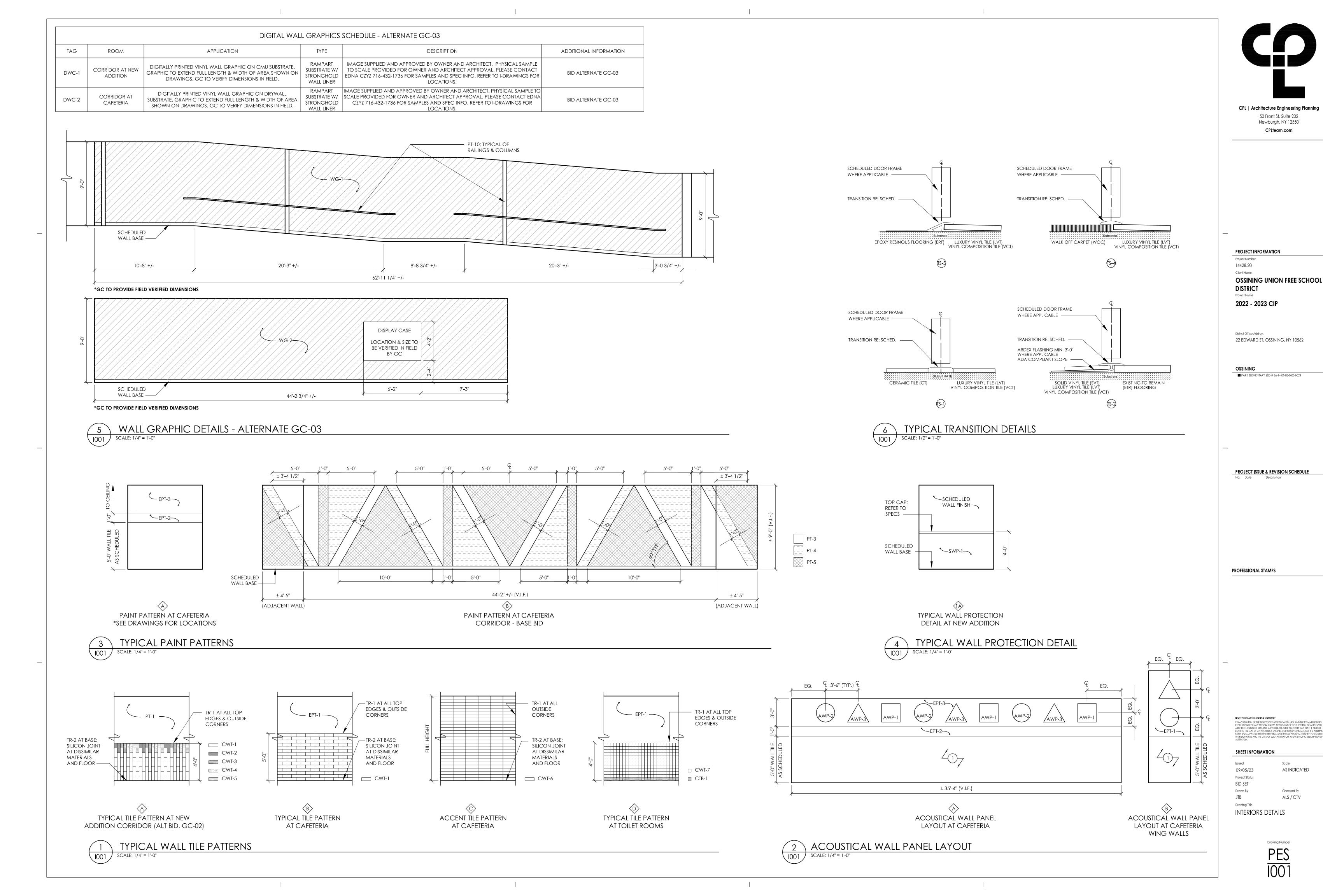
SHEET INFORMATION

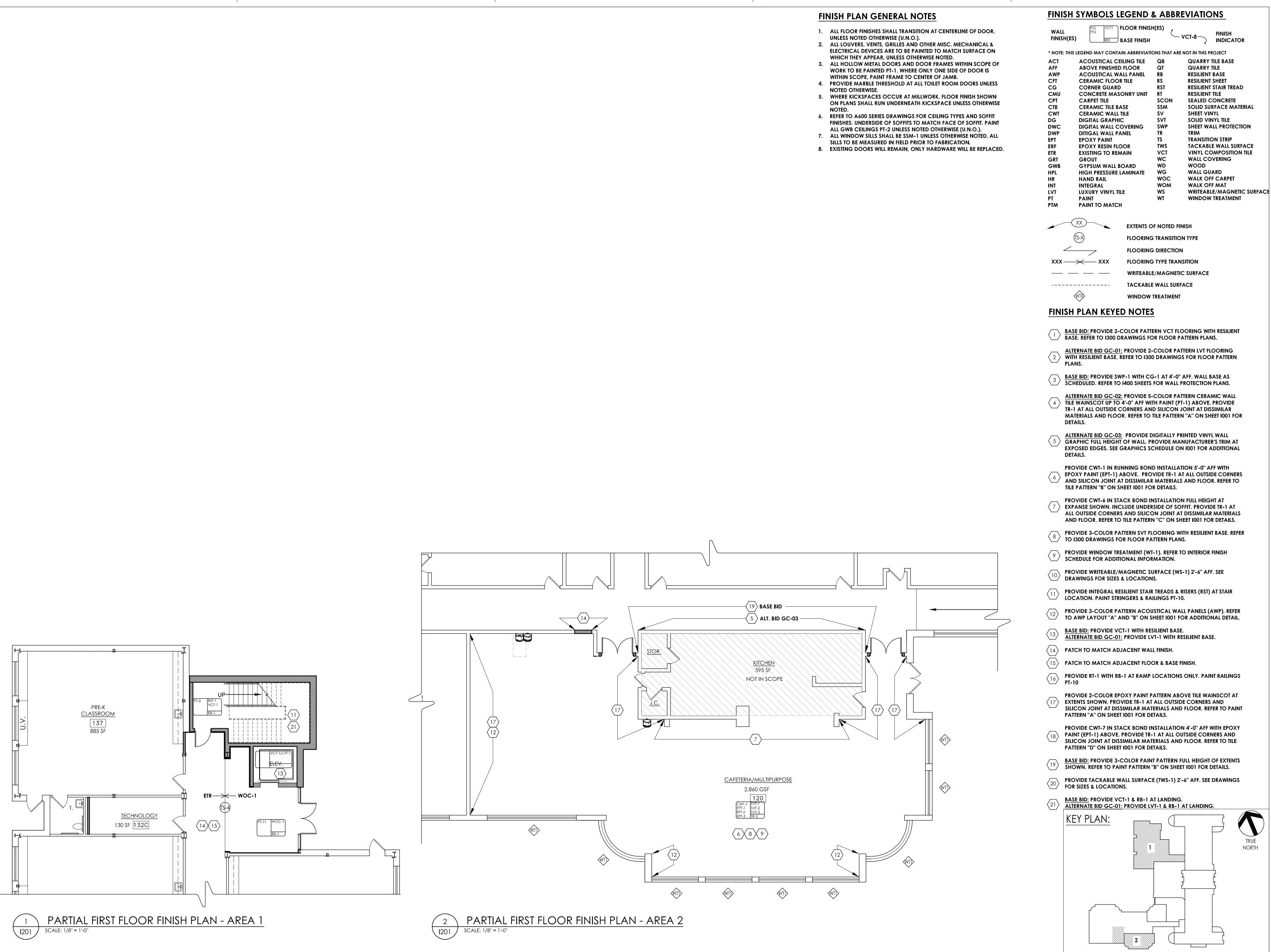
JTB

Issued 09/05/23 AS INDICATED Project Status **BID SET** Drawn By

Checked By Drawing Title

INTERIORS COLOR & FINISH SCHEDULE





FINISH SYMBOLS LEGEND & ABBREVIATIONS

FINISH INDICATOR * NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT **QUARRY TILE BASE** QUARRY TILE

RESILIENT BASE RESILIENT SHEET RESILIENT STAIR TREAD RESILIENT TILE SEALED CONCRETE SOLID SURFACE MATERIAL SHEET VINYL SOLID VINYL TILE SHEET WALL PROTECTION TRANSITION STRIP TACKABLE WALL SURFACE VINYL COMPOSITION TILE WALL COVERING WOOD WALL GUARD

EXTENTS OF NOTED FINISH

FLOORING DIRECTION FLOORING TYPE TRANSITION

- BASE BID: PROVIDE 2-COLOR PATTERN VCT FLOORING WITH RESILIENT
- ALTERNATE BID GC-01: PROVIDE 2-COLOR PATTERN LVT FLOORING $\langle 2 \rangle$ WITH RESILIENT BASE. REFER TO 1300 DRAWINGS FOR FLOOR PATTERN
- BASE BID: PROVIDE SWP-1 WITH CG-1 AT 4'-0" AFF. WALL BASE AS 3 SCHEDULED. REFER TO 1400 SHEETS FOR WALL PROTECTION PLANS.
- ALTERNATE BID GC-02: PROVIDE 5-COLOR PATTERN CERAMIC WALL 4 TILE WAINSCOT UP TO 4'-0" AFF WITH PAINT (PT-1) ABOVE. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO TILE PATTERN "A" ON SHEET 1001 FOR
- ALTERNATE BID GC-03: PROVIDE DIGITALLY PRINTED VINYL WALL GRAPHIC FULL HEIGHT OF WALL. PROVIDE MANUFACTURER'S TRIM AT EXPOSED EDGES. SEE GRAPHICS SCHEDULE ON 1001 FOR ADDITIONAL
- EPOXY PAINT (EPT-1) ABOVE. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO
- PROVIDE CWT-6 IN STACK BOND INSTALLATION FULL HEIGHT AT EXPANSE SHOWN. INCLUDE UNDERSIDE OF SOFFIT. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS
- PROVIDE 3-COLOR PATTERN SVT FLOORING WITH RESILIENT BASE. REFER
- PROVIDE WINDOW TREATMENT (WT-1). REFER TO INTERIOR FINISH
- PROVIDE WRITEABLE/MAGNETIC SURFACE (WS-1) 2'-6" AFF. SEE
- PROVIDE INTEGRAL RESILIENT STAIR TREADS & RISERS (RST) AT STAIR LOCATION. PAINT STRINGERS & RAILINGS PT-10.

- EXTENTS SHOWN. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO PAINT
- PROVIDE CWT-7 IN STACK BOND INSTALLATION 4'-0" AFF WITH EPOXY PAINT (EPT-1) ABOVE. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO TILE
- SHOWN. REFER TO PAINT PATTERN "B" ON SHEET 1001 FOR DETAILS.
- PROVIDE TACKABLE WALL SURFACE (TWS-1) 2'-6" AFF. SEE DRAWINGS

TRUE NORTH CPL | Architecture Engineering Planning 50 Front St. Suite 202 Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

Project Number 14428.20 Client Name

OSSINING UNION FREE SCHOOL DISTRICT

2022 - 2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING

■ PARK ELEMENTARY SED # 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

SHEET INFORMATION

09/05/23 AS INDICATED Project Status **BID SET** Drawn By Checked By

JTB ALS / CTV Drawing Title PARTIAL FIRST FLOOR FINISH PLANS - AREA 1 & AREA 2

Drawing Number

<u>STORAGE</u>

<u>STORAGE</u>

KINDERGARTEN

CLASSROOM (TRANS. BILINGUAL)

NOT IN SCOPE

KINDERGARTEN

CLASSROOM

208

NOT IN SCOPE

KINDERGARTEN

<u>CLASSROOM</u>

(BASE BID)

CORRIDOR PT-3

GIRLS' TOILET

230

BLOWER ROOM

& GC-02)

NOT IN SCOPE

<u>ROOF</u>

8'-0"

OFFICE

NOT IN SCOPE

RAMP 12:1

 $-\langle$ 5 \rangle (ALT. BID GC-03) -

GYM BELOW

1. ALL FLOOR FINISHES SHALL TRANSITION AT CENTERLINE OF DOOR,

UNLESS NOTED OTHERWISE (U.N.O.). 2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISC. MECHANICAL & ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH SURFACE ON

WHICH THEY APPEAR, UNLESS OTHERWISE NOTED. 3. ALL HOLLOW METAL DOORS AND DOOR FRAMES WITHIN SCOPE OF WORK TO BE PAINTED PT-1. WHERE ONLY ONE SIDE OF DOOR IS

WITHIN SCOPE, PAINT FRAME TO CENTER OF JAMB. 4. PROVIDE MARBLE THRESHOLD AT ALL TOILET ROOM DOORS UNLESS

5. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE UNLESS OTHERWISE 6. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT

FINISHES. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. PAINT ALL GWB CEILINGS PT-2 UNLESS NOTED OTHERWISE (U.N.O.).

7. ALL WINDOW SILLS SHALL BE SSM-1 UNLESS OTHERWISE NOTED. ALL SILLS TO BE MEASURED IN FIELD PRIOR TO FABRICATION.

8. EXISTING DOORS WILL REMAIN, ONLY HARDWARE WILL BE REPLACED.

FINISH SYMBOLS LEGEND & ABBREVIATIONS WALL FINISH FINISH(ES) INDICATOR * NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT ACT ACOUSTICAL CEILING TILE QB **QUARRY TILE BASE** ABOVE FINISHED FLOOR QUARRY TILE QT AWP ACOUSTICAL WALL PANEL RB **RESILIENT BASE** CFT CERAMIC FLOOR TILE RESILIENT SHEET CG CORNER GUARD RESILIENT STAIR TREAD CMU CONCRETE MASONRY UNIT RESILIENT TILE CPT CARPET TILE SCON SEALED CONCRETE CTB SSM SOLID SURFACE MATERIAL CERAMIC TILE BASE CWT **CERAMIC WALL TILE** SHEET VINYL DG SVT DIGITAL GRAPHIC SOLID VINYL TILE DWC SWP SHEET WALL PROTECTION DIGITAL WALL COVERING DWP EPT DITIGAL WALL PANEL TRANSITION STRIP **EPOXY PAINT** EPOXY RESIN FLOOR TACKABLE WALL SURFACE ERF VCT VINYL COMPOSITION TILE ETR EXISTING TO REMAIN WALL COVERING GRT GROUT GWB WD WOOD GYPSUM WALL BOARD HPL WG WALL GUARD HIGH PRESSURE LAMINATE WALK OFF CARPET HAND RAIL WALK OFF MAT INTEGRAL LUXURY VINYL TILE WINDOW TREATMENT PAINT PAINT TO MATCH PTM

 $XXX \longrightarrow XXX$ -----

FINISH PLAN KEYED NOTES

ALTERNATE BID GC-01: PROVIDE 2-COLOR PATTERN LVT FLOORING

BASE BID: PROVIDE SWP-1 WITH CG-1 AT 4'-0" AFF. WALL BASE AS SCHEDILLED PEFER TO 1400 SUFERS TO

ALTERNATE BID GC-02: PROVIDE 5-COLOR PATTERN CERAMIC WALL \langle 4 \rangle TILE WAINSCOT UP TO 4'-0" AFF WITH PAINT (PT-1) ABOVE. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO TILE PATTERN "A" ON SHEET 1001 FOR DETAILS.

ALTERNATE BID GC-03: PROVIDE DIGITALLY PRINTED VINYL WALL \langle 5 \rangle Graphic full height of wall. Provide Manufacturer's trim at **EXPOSED EDGES. SEE GRAPHICS SCHEDULE ON 1001 FOR ADDITIONAL**

PROVIDE CWT-1 IN RUNNING BOND INSTALLATION 5'-0" AFF WITH EPOXY PAINT (EPT-1) ABOVE. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO TILE PATTERN "B" ON SHEET 1001 FOR DETAILS.

AND FLOOR. REFER TO TILE PATTERN "C" ON SHEET 1001 FOR DETAILS.

PROVIDE INTEGRAL RESILIENT STAIR TREADS & RISERS (RST) AT STAIR LOCATION. PAINT STRINGERS & RAILINGS PT-10.

PROVIDE 3-COLOR PATTERN ACOUSTICAL WALL PANELS (AWP). REFER TO AWP LAYOUT "A" AND "B" ON SHEET 1001 FOR ADDITIONAL DETAIL.

PROVIDE RT-1 WITH RB-1 AT RAMP LOCATIONS ONLY. PAINT RAILINGS PT-10

 $\langle 17 \rangle$ EXTENTS SHOWN. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO PAINT PATTERN "A" ON SHEET 1001 FOR DETAILS.

 $\langle 18 \rangle$ PAINT (EPT-1) ABOVE. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS AND FLOOR. REFER TO TILE PATTERN "D" ON SHEET 1001 FOR DETAILS.

SHOWN. REFER TO PAINT PATTERN "B" ON SHEET 1001 FOR DETAILS.

21 BASE BID: PROVIDE VCT-1 & RB-1 AT LANDING.
ALTERNATE BID GC-01: PROVIDE 137

WRITEABLE/MAGNETIC SURFACE **EXTENTS OF NOTED FINISH**

FLOORING TRANSITION TYPE FLOORING DIRECTION FLOORING TYPE TRANSITION WRITEABLE/MAGNETIC SURFACE TACKABLE WALL SURFACE WINDOW TREATMENT

BASE BID: PROVIDE 2-COLOR PATTERN VCT FLOORING WITH RESILIENT BASE. REFER TO 1300 DRAWINGS FOR FLOOR PATTERN PLANS.

WITH RESILIENT BASE. REFER TO I300 DRAWINGS FOR FLOOR PATTERN

SCHEDULED. REFER TO 1400 SHEETS FOR WALL PROTECTION PLANS.

PROVIDE CWT-6 IN STACK BOND INSTALLATION FULL HEIGHT AT 7 > EXPANSE SHOWN. INCLUDE UNDERSIDE OF SOFFIT. PROVIDE TR-1 AT ALL OUTSIDE CORNERS AND SILICON JOINT AT DISSIMILAR MATERIALS

PROVIDE 3-COLOR PATTERN SVT FLOORING WITH RESILIENT BASE. REFER TO 1300 DRAWINGS FOR FLOOR PATTERN PLANS.

PROVIDE WINDOW TREATMENT (WT-1). REFER TO INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

PROVIDE WRITEABLE/MAGNETIC SURFACE (WS-1) 2'-6" AFF. SEE DRAWINGS FOR SIZES & LOCATIONS.

13 BASE BID: PROVIDE VCT-1 WITH RESILIENT BASE.

ALTERNATE BID GC-01: PROVIDE LVT-1 WITH RESILIENT BASE.

 $\langle 14 \rangle$ PATCH TO MATCH ADJACENT WALL FINISH.

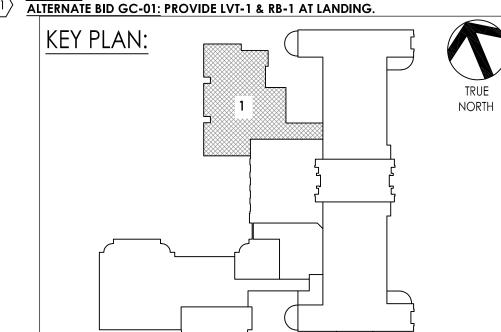
(15) PATCH TO MATCH ADJACENT FLOOR & BASE FINISH.

PROVIDE 2-COLOR EPOXY PAINT PATTERN ABOVE TILE WAINSCOT AT

PROVIDE CWT-7 IN STACK BOND INSTALLATION 4'-0" AFF WITH EPOXY

BASE BID: PROVIDE 3-COLOR PAINT PATTERN FULL HEIGHT OF EXTENTS

PROVIDE TACKABLE WALL SURFACE (TWS-1) 2'-6" AFF. SEE DRAWINGS FOR SIZES & LOCATIONS.



CPL | Architecture Engineering Planning

50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

OSSINING UNION FREE SCHOOL

Project Number

14428.20

DISTRICT

District Office Address

OSSINING

2022 - 2023 CIP

22 EDWARD ST, OSSINING, NY 10562

■ PARK ELEMENTARY SED # 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

SHEET INFORMATION AS INDICATED 09/05/23 Project Status **BID SET** Drawn By Checked By

JTB

Drawing Title PARTIAL SECOND FLOOR FINISH PLAN - AREA 1

Drawing Number

ALS / CTV

8'-0''

 $\left(1\right)\left(2\right)\left(9\right)$

PRE-K CLASSROOM

(SPECIAL EDU 12:1:3)

PARTIAL SECOND FLOOR FINISH PLAN - AREA 1

8'-0''

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

8'-0''

(BASE BID)

 $\langle \overline{3} \rangle \overline{13} \rangle$

& GC-02)

CORRIDOR

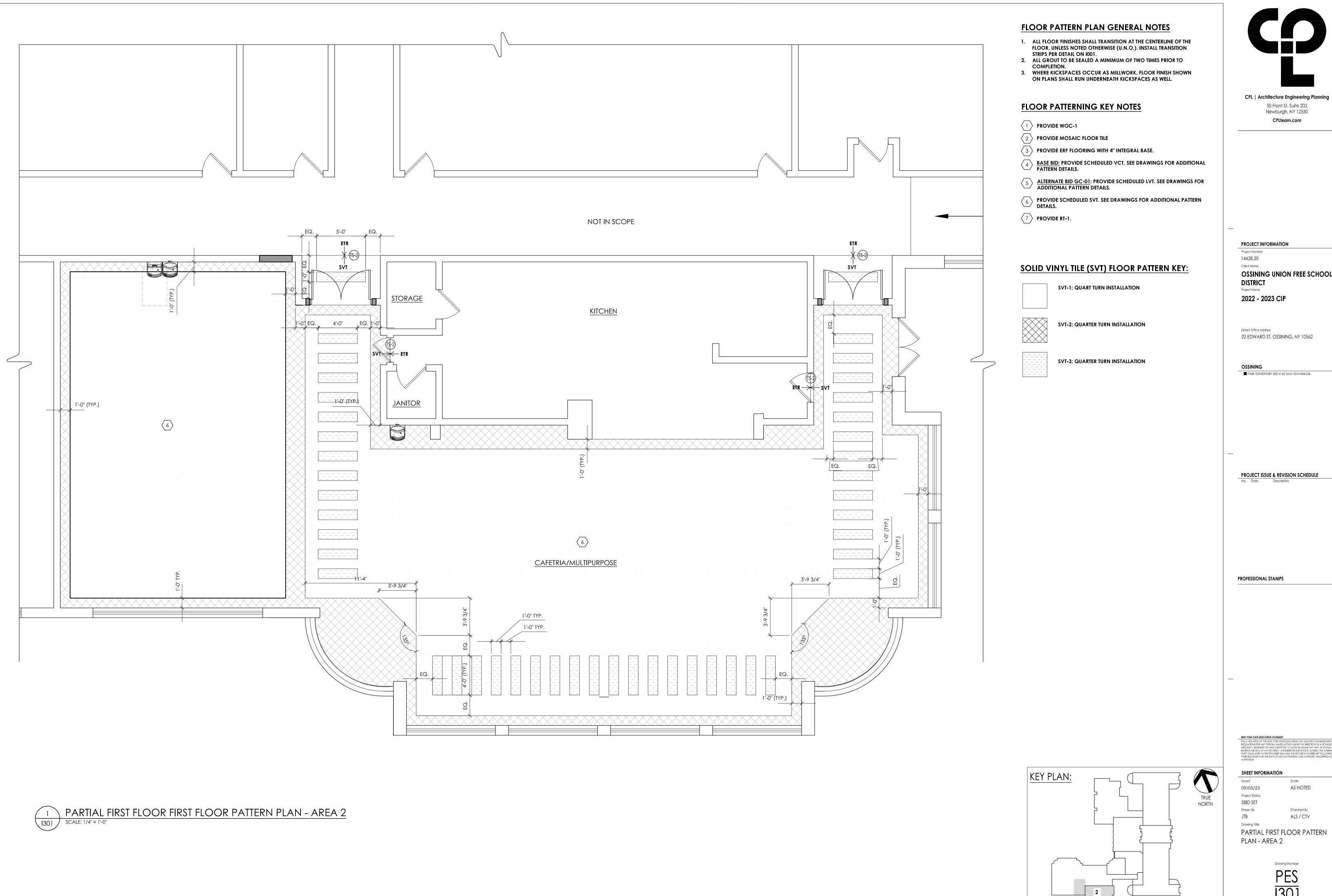
OFFICE

231

EQ

8'-0"

RAMP 12:1



50 Front St. Suite 202 Newburgh, NY 12550 CPLteam.com

PROJECT INFORMATION

OSSINING UNION FREE SCHOOL DISTRICT

2022 - 2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

■ PARK ELEMENTARY SED # 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION 09/05/23 Project Status SBID SET

AS NOTED

PARTIAL FIRST FLOOR PATTERN PLAN - AREA 2

FLOOR PATTERN PLAN GENERAL NOTES

- ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE FLOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAIL ON 1001.
- 2. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO
- 3. WHERE KICKSPACES OCCUR AS MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACES AS WELL.

FLOOR PATTERNING KEY NOTES

1 PROVIDE WOC-1

2 PROVIDE MOSAIC FLOOR TILE

3 PROVIDE ERF FLOORING WITH 4" INTEGRAL BASE.

BASE BID: PROVIDE SCHEDULED VCT. SEE DRAWINGS FOR ADDITIONAL PATTERN DETAILS.

— PATIERN DETAILS.

ALTERNATE BID GC-01: PROVIDE SCHEDULED LVT. SEE DRAWINGS FOR ADDITIONAL PATTERN DETAILS.

 PROVIDE SCHEDULED SVT. SEE DRAWINGS FOR ADDITIONAL PATTERN DETAILS.

 $\overline{7}$ **PROVIDE RT-1**.

FLOOR PATTERN KEY:

BASE BID: VCT-1
ALTERNATE BID GC-01: LVT-1

BASE BID: VCT-2
ALTERNATE BID GC-01: LVT-2

BASE BID: VCT-3

ALTERNATE BID GC-01: LVT-3

ALTERNATE BID GC-01: LVT-5

BASE BID: VCT-4

ALTERNATE BIT GC-01: LVT-4

BASE BID: VCT-5

CPL | Architecture Engineering Planning
50 Front St. Suite 202
Newburgh, NY 12550
CPLteam.com

PROJECT INFORMATION
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OSSINING UNION FREE SCHOOL DISTRICT

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District Office Address
22 EDWARD ST, OSSINING, NY 10562

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RACHHIECT, LENGINEER OR EVAND SURVEYOR, TO ALTER AN IBM, IN ANY WAY, IF AN TIEM
BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALIFERED, THE ALIERN
PARTY SHALL AFFIX TO THE TIEM THEIR SEAL AND THE NOTATION "ALIERED BY" FOLLOWE
THEIR SIGNATURE AND THE DATE OF SUCH ALIERATION, AND A SPECHEC DESCRIPTION OF

SHEET INFORMATION

TRUE

Issued Scale

09/05/23 AS INDICATED

Project Status

BID SET

Drawn By Checked By

JTB ALS / CTV

PARTIAL SECOND FLOOR PATTERN PLAN - AREA 1

PES 1302

KEY PLAN:

1 PARTIAL S
1202 SCALE: 1/8" = 1'-0"

WALL PROTECTION GENERAL NOTES

- 1. AREAS WITHOUT WALL PROTECTION NOTES SHALL NOT RECEIVE WALL PROTECTION.
- 2. ALL CORNER GUARDS SHOULD BE INSTALLED WITH THE TOP AT 7'-2"
- AFF, UNLESS NOTED OTHERWISE (U.N.O.).
 3. ALL WALL PROTECTION SHALL RUN UNDERNEATH WINDOW SILLS
- UNLESS NOTED OTHERWISE (U.N.O.).

 4. ALL WALL PROTECTION SHALL RUN UNDERNEATH OPEN COUNTER AREAS WHERE ALL WALLS RECEIVE NEW WALL PROTECTION, UNLESS NOTED OTHERWISE (U.N.O.).

WALL PROTECTION KEY NOTES NOTES

BASE BID: PROVIDE WALL PROTECTION TYPE "1A" ON ALL WALLS, UNLESS NOTED OTHERWISE (U.N.O.). REFER TO TYPICAL WALL PROTECTION TYPES ON SHEET 1001.

ALTERNATE BID GC-02: PROVIDE CERAMIC WALL TILE TYPE "A" ON ALL WALLS. REFER TO TYPICAL WALL TILE PATTERNS ON SHEET 1001. REFER TO INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

WALL PROTECTION LEGEND

____| ___|___|____|_____

BASE BID: EXTENTS OF WALL PROTECTION ALTERNATE BID GC-02: EXTENTS OF WALL TILE

cg-x

CORNER GUARD

PROJECT INFORMATION

14428.20

Project Number

OSSINING UNION FREE SCHOOL DISTRICT

CPL | Architecture Engineering Planning 50 Front St. Suite 202 Newburgh, NY 12550

CPLteam.com

2022 - 2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED # 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

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Issued
O9/05/23
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BID SET
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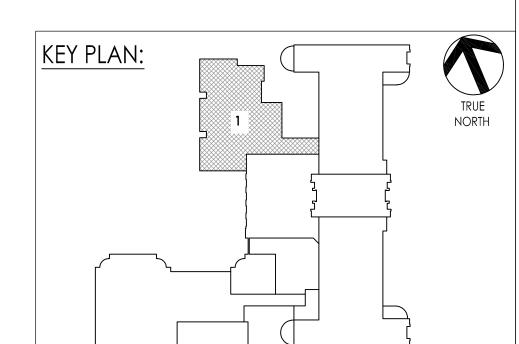
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 ALS / CTV

PARTIAL SECOND FLOOR WALL PROTECTION PLAN - AREA 1

PES 1400

AS INDICATED



					HVAC SYMBO	OLS LIST				
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION		SYMBOL
AAD	AUTOMATIC AIR DAMPER	<u>——ф</u>	CONNECTION - TOP	(DBL)	DOUBLE WALL LINED DUCT		<u> </u>		T-h-	F
ACC	AIR-COOLED CONDENSING UNIT	121	CONNECTION - BOTTOM	20/10	DUCT SECTION - SUPPLY		24X12 —12X10	SUPPLY / RETURN /	1-1/2 TIMES BRANCH SIZE	
AD	ACCESS DOOR		DIRECTION OF FLOW	20/10	DUCT SECTION - RETURN/EXHAUST			EXHAUST AIR	12X10	СТ
AFF	ABOVE FINISHED FLOOR	<u> </u>	REDUCER	S A"	DUCT SECTION - ROUND DUCT IN INCHES			TAKEOFFS	VD VD	
AHU	AIR HANDLING UNIT		CAP OR PLUG	AXB FO	DUCT SECTION - FLAT OVAL DUCT IN INCHES					8
BBD BD	BOILER BLOW DOWN BACKDRAFT DAMPER	, , , , , , , , , , , , , , , , , , , 	ELBOW DOWN	3 /0.510	ACOUSTIC THERMAL LINING		24X12 8"Ø	SUPPLY / RETURN /	1-1/2 TIMES BRANCH SIZE	8
CA	COMPRESSED AIR	†						EXHAUST AIR TAKEOFFS	8\@	$\overline{\nabla}$
CD	COOLING COIL CONDENSATE DRAIN		ELBOW UP		FLEXIBLE DUCTWORK		- VD	IAREOFFS	VD VD	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
CFM	CUBIC FEET PER MINUTE	101	TEE OUTLET - UP	 	FLEXIBLE CONNECTION				\sim	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
CHWR	CHILLED WATER RETURN	101	TEE OUTLET - DOWN	FC			14"Ø 10"Ø		CONICAL TEE	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
CHWS	CHILLED WATER SUPPLY	—— ——	UNION		FIRE DAMPER			SUPPLY AIR TAKEOFFS	- 10.\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	
CR CS	CONDENSER WATER RETURN CONDENSER WATER SUPPLY		GATE VALVE				- VD		VD	
сw	DOMESTIC COLD WATER	- δ-	BALL VALVE		SMOKE DAMPER				<u> </u>	
D	DRAIN	<u></u>	BALANCING VALVE	②		②	14"Ø		LATERAL	
(E)	EXISTING	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	STRAINER	 				SUPPLY AIR TAKEOFFS	± 10.\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	②
EA	EXHAUST AIR		STRAINER WITH BLOW-DOWN	9	COMBINATION FIRE AND SMOKE DAMPER		VD		VD	0
EC	ELECTRICAL CONTRACTOR	R		<u> </u>	VOLUME DAMPER	<u> </u>			$\overline{\mathcal{G}}$	∇
EF ERHC	EXHAUST FAN ELECTRIC REHEAT COIL	<u> </u>	BUTTERFLY VALVE	L _{VD}		L _{VD}	24X12		24X12	△ _{CO2}
ETR	EXISTING TO REMAIN		BUTTERFLY CONTROL VALVE, PNEUMATIC 2-WAY		DAMPER CONTROL, PARALLEL BLADE		6X12 12X10	SUPPLY AIR	18X12	△ _{CH4}
EUH	ELECTRIC UNIT HEATER		BUTTERFLY CONTROL VALVE, ELECTRIC ACTUATOR		DAMPER CONTROL, OPPOSED BLADE	\$	18X12	TAKEOFFS	20X12 6X12	O _{CO}
F&T	FLOAT AND THERMOSTATIC TRAP		GLOBE VALVE	l i			20X12		1	V _G
FCU	FAN-COIL UNIT	<u> </u>	CHECK VALVE		AUTOMATIC AIR DAMPER		24X12	SUPPLY/RETURN		Θ
FPM	FEET PER MINUTE FIN-TUBE	\	TRIPLE DUTY VALVE	AAD		AAD		EXHAUST AIR TAKEOFFS W/	24X12	FS
FT GC	GENERAL CONTRACTOR	<u> </u>	GAS COCK, PLUG VALVE				VD VD	REGISTER/GRILLE/	VD	
GR	GLYCOL RETURN	- U/C	UNDERCUT DOOR 1"	BDD	BACK DRAFT DAMPER	BDD	<u></u>	DIFFUSER		
GS	GLYCOL SUPPLY	фф	LOUVERED DOOR W/ SQ. FT. OF FREE AREA		BLAST GATE				VD	VSD VFD
НС	HVAC CONTRACTOR	^ M	AIR VENT - MANUAL	BG	BLASI GAIE	BG		SUPPLY/RETURN EXHAUST AIR		Z
HHWR	HEATING HOT WATER SURRIY	^ A	AIR VENT - AUTOMATIC	20/10		12X10	VD	END OF MAIN BRANCH TAKEOFFS		# <u>/</u> c
HHWS	HEATING HOT WATER SUPPLY HEAT PUMP		FLANGE	10010	AIR DUCT	12X10	<u></u>		VD	G _F
HPC	HIGH PRESSURE CONDENSATE		CONTROL/SOLENOIND VALVE, ELECTRIC 2-WAY		(FIRST FIGURE IS DUCT WIDTH/TOP, SECOND FIGURE IS DUCT DEPTH)				T VD	Н
HPS	HIGH PRESSURE STEAM		CONTROL VALVE, ELECTRIC 3-WAY			10/20 7		SUPPLY/RETURN EXHAUST AIR	L. L	A
LF	LINEAR FOOTAGE OF FIN-TUBE RADIATION	A	CONTROL VALVE, PNEUMATIC 2-WAY	10/20 7			VD	END OF MAIN BRANCH TAKEOFFS	VD	S
LPC	LOW PRESSURE CONDENSATE		CONTROL VALVE, PNEUMATIC 3-WAY	*	MULTI-BLADE AIR EXTRACTOR		<u></u>			FS
LPG LPS	LIQUEFIED PROPANE GAS LOW PRESSURE STEAM	T			TURNING VANES				M	ΔΡ
МВН	1,000 BTU/HR	- **	RELIEF / SAFETY VALVE		EXISTING WORK TO BE REMOVED (HATCHED)			LONG RADIUS 90° ELBOW	W R	R
MC	MECHANICAL CONTRACTOR	X	PRESSURE REDUCING VALVE	•	POINT OF CONNECTION			R/W=1.5		0
MPC	MEDIUM PRESSURE CONDENSATE	₽∨	VACUUM BREAKER		POINT OF DISCONNECTION					FZ
MPS	MEDIUM PRESSURE STEAM		FLEXIBLE PIPE CONNECTOR		AIR FLOW SENSOR				W	\longrightarrow_{DI}
MRD MSD	MONOFLO FITTING DOWN – HHWR MONOFLO FITTING DOWN – HHWS		EXPANSION COMPENSATOR W/ GUIDES	B	FILTER			LONG RADIUS 45° ELBOW		\Longrightarrow
MUW	MAKE-UP WATER		TNIOL NOISNAYX3					R/W=1.5		○ ←A○
NC	NORMALLY CLOSED	×	PIPE ANCHOR		TRANSITION SQUARE TO ROUND					↑ AI
NG	NATURAL GAS		PIPE GUIDE	E						
NO	NORMALLY OPEN		THERMOSTATIC TRAP]	HUMIDIFIER DISPERSION TUBE			90° ELBOW WITH TURNING	Ц	
NTS	NOT TO SCALE	FT O	FLOAT & THERMOSTATIC TRAP	RISE]	VANES	- XX	SF
OA PC	OUTSIDE AIR PLUMBING CONTRACTOR	BT	BUCKET TRAP	R—	RISE IN DUCT					ES
PD	PUMP DISCHARGE		THERMODYNAMIC TRAP	DRÔP	BB08 111 5 112 -		√		τ [™]	PF
PHWR	PRIMARY HEATING HOT WATER RETURN		THERMOMETER	D	DROP IN DUCT		18X16 — 18X8	90 VERTICAL SPLIT OFF	18X8	<i>~</i>
PHWS	PRIMARY HEATING HOT WATER SUPPLY		WELL		SQUARE CEILING DIFFUSER (4 WAY)		188	(PLAN VIEW)	18X16 18X8	•—
RA	RETURN AIR	—Ø	PRESSURE GAUGE	<u> </u>	ROUND CEILING DIFFUSER		1000 —		,	<u></u>
RD RHC	REFRIGERANT DISCHARGE HOT WATER REHEAT COIL	\bigcirc	STEAM PRESSURE GAUGE		SQUARE OR RECTANGULAR CEILING GRILLE		20X10 20X10	DUCT TURNING		
RLL	REFRIGERANT LIQUID PIPE	- <u> </u>	WITH 1/4" NEEDLE VALVE		SUPPLY REGISTER, RETURN OR EXHAUST GRILLE		20X10	UP OR DOWN	20X10	
RSL	REFRIGERANT SUCTION PIPE	Ø	DDESCUDE CAUCE				Пмах	AIR TERMINAL UNIT-DUC	CTWORK	
RTU	ROOFTOP UNIT	ļ	PRESSURE GAUGE WITH 1/4" NEEDLE VALVE	1-WAY 2-WAY 3-WAY	SUPPLY DIFFUSER, 1-WAY, 2-WAY, 3-WAY		U MAX MIN	MAX = MAXIMUM CFM MIN = MINIMUM CFM		
RV	ROOF VENT		PNEUMATIC (CONTROL) TUBING	8"% D.3	CEILING DIFFUSER		GPM	AIR TERMINAL UNIT-DUC	CTWORK	
SA SHWR	SUPPLY AIR SECONDARY HEATING HOT WATER RETURN		BUTTERFLY VALVE WITH PNEUMATIC AND MANUAL OPERATORS	8"Ø, D-3 300 CFM	WITH NECK SIZE, TYPE, & CFM		U GPM MAX	GPM = GALLONS PER M MAX = MAXIMUM GPM		
SHWS	SECONDARY HEATING HOT WATER SUPPLY	xx	PIPING		CEILING RETURN OR EXHAUST GRILLE			FAN POWERED AIR TERMINAL UNIT		
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)	xx	PIPING BELOW GRADE	10"x10", G-3 300 CFM	WITH SIZE, TYPE, & CFM		U MIN FAN	U - UNIT TYPE MAX = PRIMARY MAX C	CFM	
SSO	SPLIT SYSTEM OUTDOOR SECTION (CONDENSING UNIT)		BASE MOUNTED PUMP	1	SUPPLY REGISTER		FAN	MIN = PRIMARY MIN CF FAN = FAN CFM	M	
TC	TEMPERATURE CONTROLS CONTRACTOR		IN-LINE PUMP	10"x8", R-2 300 CFM	WITH SIZE, TYPE, & CFM		TVDE			
UH	UNIT HEATER		AIR TERMINAL UNIT WITH	10"x8", G-2	RETURN OR EXHAUST GRILLE		TYPE COIL SIZE CLNG GPM	TYPE = VALANCE TYPE COIL SIZE = COIL LENGT		
V	UNIT VENTILATOR VENT	1 🗆 🗐	REHEAT COIL AND SOUND ATTENUATOR	300 CFM			HTNG GPM	CLNG GPM = COOLING HTNG GPM = HEATING	GPM	
WAHP	WATER-TO-AIR HEAT PUMP		AIR TERMINAL UNIT WITH	- 1	AIR FLOW		(X)	X = DIFFUSER OR GRILL	. TYPE	
WWHP	WATER-TO-WATER HEAT PUMP		SOUND ATTENUATOR AIR TERMINAL UNIT WITH	L1	ACOUSTIC/THERMAL DUCTWORK LINING - 1 INCH THICK			XX = AIR FLOW VALUE		
			REHEAT COIL	L2	ACOUSTIC/THERMAL DUCTWORK LINING - 2 INCH THICK			1		_
			AIR TERMINAL UNIT	PL1	2 INCH THICK ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 1 INCH THICK		1			
1				1	Entité : Littori Hillor		4			

LINING - 2 INCH THICK

ACOUSTIC/THERMAL DUCTWORK PLENUM

WALL TO WALL FIN TUBE ENCLOSURE

SYMBOLS GENERAL NOTES:

DESCRIPTION

CURRENT TRANSDUCER

OPEN/CLOSED

ENABLE/DISABLE

FLOW TRANSMITTER

PRESSURE TRANSMITTER

DUCT SMOKE DETECTOR

SPACE TEMPERATURE SENSOR

SPACE CARBON DIOXIDE SENSOR

SPACE CARBON MONOXIDE SENSOR

VARIABLE SPEED / FREQUENCY DRIVE

DIFFERENTIAL STATIC PRESSURE SWITCH

DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)

DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)

ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)

ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)

SPACE NATURAL GAS SENSOR

SPACE SENSOR WITH GUARD

SPACE HUMIDISTAT

WATER FLOW SENSOR

PNEUMATIC ACTUATOR

ELECTRIC ACTUATOR

COOLING COIL

HEATING COIL

GAS FURNACE

FLOW SWITCH

PRESSURE GAUGE

ELECTRICAL INTERFACE

SPEED FEED BACK

POSITION FEEDBACK

TRAVERSE AVERAGING SENSOR

END SWITCH

PROBE SENSOR

FREEZE STAT SENSOR

FREEZE-STAT

HUMIDIFIER

ALARM

STATUS

RELAY

SPACE THERMOSTAT

START/STOP

ELECTRIC/PNEUMATIC SWITCH OR RELAY

PNEUMATIC/ELECTRIC SWITCH OR RELAY

TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)

HUMIDITY SENSOR (DUCT MOUNTED)

DIFFERENTIAL PRESSURE TRANSMITTER

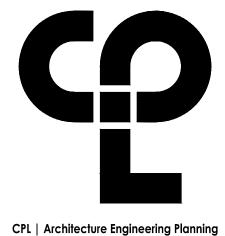
ELECTRIC/PNEUMATIC TRANSDUCER

ELECTRIC/ELECTRONIC TRANSDUCER

1) VALVE AND DAMPER ACTUATOR TYPES (ELECTRIC OR PNEUMATIC) WHICH ARE INDICATED IN HVAC TEMPERATURE CONTROL DRAWINGS SHALL SUPERSEDE TYPE INDICATED ON ALL OTHER HVAC DRAWINGS.

HVAC CONTRACTOR GENERAL NOTES:

- A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.
- B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.
- DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING. PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL EQUIPMENT INDICATED TO BE TURNED OVER TO THE OWNER SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING SYSTEMS AND DELIVERED (INCLUDING LOADING AND UNLOADING) TO A STORAGE AREA WITHIN THE BUILDING AS SELECTED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EQUIPMENT DAMAGED DURING REMOVAL AND DELIVERY. ANY DAMAGE TO EQUIPMENT PRIOR TO DISCONNECTING SHOULD BE REPORTED TO THE OWNER'S REPRESENTATIVE. IF NOT REPORTED, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR REPAIRS TO THE EQUIPMENT.
- BEFORE DISCONNECTING, REMOVING, OR SERVICING ANY AIR CONDITIONING EQUIPMENT OR SYSTEMS CONTAINING REFRIGERANTS, THE EQUIPMENT OR SYSTEMS SHALL BE EVACUATED OF ALL REFRIGERANT PER THE LATEST ADOPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). THE CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE CERTIFIED BY AN EPA APPROVED CERTIFYING AGENCY OR ORGANIZATION.
- ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.
- G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.
- H. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL AIR VENTS AND DRAINS IN THE PIPING SYSTEMS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AIR VENTS AT ALL SYSTEM HIGH POINTS AND AT AREAS WITHIN THE PIPING SYSTEMS THAT COULD ACCUMULATE OR TRAP AIR WHICH WOULD PREVENT PROPER VENTING OR OPERATION OF THE SYSTEMS. DRAINS SHALL BE PROVIDED AT ALL LOW POINTS WITHIN THE PIPING SYSTEM TO FACILITATE COMPLETE DRAINING OF THE SYSTEM.
- PROVIDE THERMAL EXPANSION COMPENSATORS AND THERMAL EXPANSION LOOPS IN PIPING SYSTEM PER INDUSTRY STANDARDS.



50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

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09/05/23 Proiect Status BID SET Drawn By

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CNH

Checked By Drawing Title

NOT TO SCALE

HVAC NOTES AND SYMBOLS

GENERAL DEMOLITION NOTES:

- COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR DEMOLITION.
- 2. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES.
- CONTRACTOR SHALL RECORD TOTAL AIRFLOW FOR EQUIPMENT PRIOR TO DISCONNECT AND REMOVAL.
- 4. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS
- 5. UNLESS OTHERWISE DIRECTED, EXISTING BUILDING MANAGEMENT CONTROLS SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- 6. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

- REMOVE EXISTING CABINET UNIT HEATER. DISCONNECT ALL ASSOCIATED PIPING AND CONTROLS. REMOVE ALL BRANCH PIPING BACK TO MAINS AND CAP. COORDINATE WITH OTHER TRADES.
- DISCONNECT EXHAUST AIR DUCT. PREPARE FOR NEW DUCTWORK CONNECTION.
- REMOVE DUCTWORK FROM POINT INDICATED UP TO UNIT ON ROOF. PREPARE REMAINING DUCTWORK FOR RECONNECTION.
- REMOVE REFRIGERANT PIPING FROM POINT INDICATED UP TO UNIT ON ROOF. INDOOR UNIT TO REMAIN. PRIOR TO REMOVAL, EVACUATE PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION.
- (5) REMOVE DUCT RISER UP TO EXHAUST FAN ON ROOF.



Newburgh, NY 12550

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PROJECT INFORMATION

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OSSINING UNION FREE SCHOOL
DISTRICT

2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

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BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING
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THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF

SHEET INFORMATION

FIRST FLOOR AREA 1 HVAC DEMOLITION PLAN

> PES H101.1

KEY PLAN:

TRUE
NORTH

GENERAL DEMOLITION NOTES:

- COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR DEMOLITION.
- 2. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES.
- 3. CONTRACTOR SHALL RECORD TOTAL AIRFLOW FOR EQUIPMENT PRIOR TO DISCONNECT AND REMOVAL.
- 4. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS
- 5. UNLESS OTHERWISE DIRECTED, EXISTING BUILDING MANAGEMENT CONTROLS SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- 6. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

KEY PLAN:

- REMOVE EXISTING GRILLE/DIFFUSER. PREPARE DUCTWORK FOR NEW CONNECTION.
- REMOVE DUCTWORK FROM POINT INDICATED UP TO UNIT ON ROOF. PREPARE REMAINING DUCTWORK FOR RECONNECTION.
- REMOVE FIN TUBE RADIATION. REMOVE ASSOCIATED PIPING AND CONTROLS. PREPARE FOR NEW FIN TUBE CONNECTION.

CPL | Architecture Engineering Planning
50 Front St. Suite 202
Newburgh, NY 12550
CPLteam.com

PROJECT INFORMATION

14428.20

Project Number

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address

22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

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SHEET INFORMATION

CNH

Issued Scale
09/05/23 1/8" = 1'-0"
Project Status
BID SET
Drawn By Checked By

Drawing Title
FIRST FLOOR AREA 2 HVAC
DEMOLITION PLAN

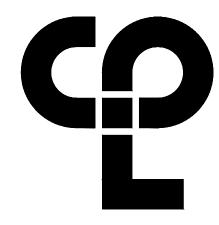
PES H 101 2

GENERAL DEMOLITION NOTES:

- COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR DEMOLITION.
- 2. COORDINATE DEMOLITION WORK WITH ALL OTHER TRADES.
- 3. CONTRACTOR SHALL RECORD TOTAL AIRFLOW FOR EQUIPMENT PRIOR TO DISCONNECT AND REMOVAL.
- 4. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS
- 5. UNLESS OTHERWISE DIRECTED, EXISTING BUILDING MANAGEMENT CONTROLS SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- 6. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.
- 7. WHERE EXISTING EQUIPMENT IF TO BE REMOVED AND REINSTALLED, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND STORAGE OF THE EQUIPMENT DURING CONSTRUCTION.

KEY NOTES:

- REMOVE EXISTING EXHAUST FAN AND RETAIN FOR REINSTALLATION AT NEW LOCATION. REMOVE EXISTING CURB AND ACCESSORIES. REPAIR ANY ROOF DECK PENETRATIONS.
- REMOVE EXISTING DUCTLESS SPLIT CONDENSING UNIT AND RETAIN FOR REINSTALLATION AT NEW LOCATION. REMOVE ALL PIPING, CONTROLS AND EQUIPMENT RAILS. REPAIR ANY ROOF DECK PENETRATIONS. PRIOR TO REMOVAL, EVACUATE PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION.
- REMOVE EXISTING 30"X22" RETURN GRILLE. DISCONNECT DUCTWORK BACK TO MAIN AND PREPARE FOR NEW CONNECTION.
- REMOVE EXISTING IN-WALL CONVECTOR. DISCONNECT ALL PIPING, STEAM SPECIALTIES, AND CONTROLS. PIPING TO BE REMOVED BACK TO ISOLATION VALVES. ISOLATION VALVES SHALL NOT BE REMOVED. CONFIRM ISOLATION VALVE IS OPERABLE AND WILL HOLD SYSTEM PRESSURE. REPORT ANY DEFICIENCIES.
- REMOVE EXISTING GRAVITY INTAKE VENTILATOR AND RETAIN FOR REINSTALLATION AT NEW LOCATION. REMOVE ROOF CURB AND MODIFY ROOF DECK AS REQUIRED FOR NEW DUCT CHASE.
- REMOVE EXISTING EXHAUST FAN AND RETAIN FOR REINSTALLATION AT NEW LOCATION. REMOVE EXISTING CURB AND MODIFY ROOF DECK AS REQUIRED FOR NEW DUCT CHASE.



CPL | Architecture Engineering Planning

50 Front St. Suite 202

Newburgh, NY 12550

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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address

22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMEN

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

KEY PLAN:

TRUE
NORTH

NEW YORK STATE EDUCATION STATEMENT

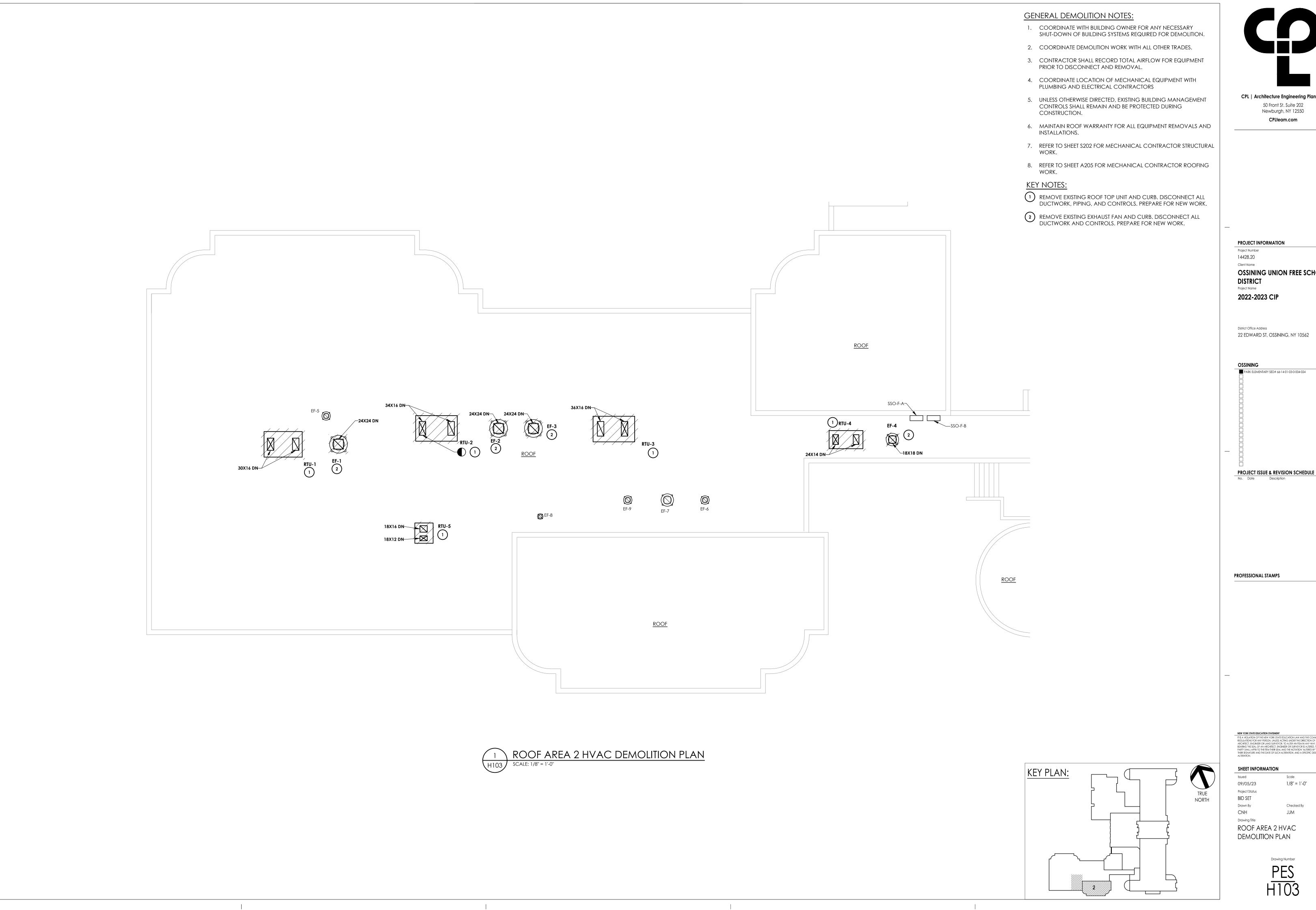
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STALL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

DEMOLITION PLAN

Drawing Number

PES -1102



OSSINING UNION FREE SCHOOL

22 EDWARD ST, OSSINING, NY 10562

1/8" = 1'-0"

ROOF AREA 2 HVAC

GENERAL NOTES:

- COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR NEW WORK.
- 2. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- 4. UNLESS OTHERWISE DIRECTED, ALL BUILDING MANAGEMENT CONTROLS ARE EXISTING TO BE RECONNECTED TO THE NEW EQUIPMENT. RECONNECTION IS THE RESPONSIBILITY OF THIS CONTRACT.
- 5. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

- 1) PROVIDE CABINET UNIT HEATER.
- ROUTE EXHAUST DUCTWORK UP CHASE TO SECOND FLOOR. COORDINATE WITH PLUMBING PIPING AND EQUIPMENT.
- ROUTE OUTSIDE AIR DUCTWORK UP CHASE TO SECOND FLOOR. COORDINATE WITH PLUMBING PIPING AND EQUIPMENT.
- ROUTE DUCTWORK UP TO SECOND FLOOR. PROVIDE TRANSITION TO 26"X26" DUCT. PROVIDE FIRE DAMPER IN FLOOR.



PROJECT INFORMATION

14428.20

Project Number

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PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

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SHEET INFORMATION

TRUE

FIRST FLOOR AREA 1 HVAC DUCTWORK NEW WORK PLAN

> PES H201.1

KEY PLAN:

FIRST FLOOR AREA 1 HVAC NEW WORK PLAN

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

GENERAL NOTES:

- COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR NEW WORK.
- 2. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- 4. UNLESS OTHERWISE DIRECTED, ALL BUILDING MANAGEMENT CONTROLS ARE EXISTING TO BE RECONNECTED TO THE NEW EQUIPMENT. RECONNECTION IS THE RESPONSIBILITY OF THIS CONTRACT.
- 5. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

KEY PLAN:

- 1) PROVIDE NEW DIFFUSER/GRILLE. BALANCE TO SPECIFIED CFM.
- CONNECT NEW ROOFTOP UNIT DUCT DROPS TO POINTS INDICATED. PROVIDE ALL REQUIRED DUCT SUPPORTS, HANGERS, AND MISCELLANEOUS ACCESSORIES.
- PROVIDE NEW FIN TUBE RADIATION. PROVIDE ASSOCIATED PIPING AND CONTROLS. CONFIRM CABINET STYLE AND COLOR WITH ARCHITECT.



14428.20 Client Name

Project Number

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CPL | Architecture Engineering Planning

50 Front St. Suite 202 Newburgh, NY 12550

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22 EDWARD ST, OSSINING, NY 10562

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SHEET INFORMATION

TRUE

09/05/23 1/8" = 1'-0"

Project Status

BID SET

Drawn By Checked By

CNH JJM

Drawing Title

FIRST FLOOR AREA 2 HVAC DUCTWORK NEW WORK PLAN

> PES H201.2

GENERAL NOTES:

- 1. COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR NEW WORK.
- 2. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- 3. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- 4. UNLESS OTHERWISE DIRECTED, ALL BUILDING MANAGEMENT CONTROLS ARE EXISTING TO BE RECONNECTED TO THE NEW EQUIPMENT. RECONNECTION IS THE RESPONSIBILITY OF THIS CONTRACT.
- 5. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

KEY PLAN:

- (1) PROVIDE NEW DUCTED VRF AIR HANDLING UNIT WITH ASSOCIATED DUCTWORK AND ACCESSORIES. COORDINATE UNIT INSTALLATION WITH NEW STRUCTURE AND UTILITIES ABOVE THE CEILING. UNIT LOCATION AND ORIENTATION SHALL MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES INCLUDING FILTER ACCESS.
- (2) PROVIDE NEW CASSETTE STYLE VRF FAN COIL UNIT WITH ASSOCIATED ACCESSORIES. COORDINATE UNIT INSTALLATION WITH NEW STRUCTURE AND UTILITIES ABOVE THE CEILING. UNIT LOCATION AND ORIENTATION SHALL MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES.
- 3 ROUTE DUCTWORK UP FROM CHASE TO RELOCATED EXHAUST FAN ON ROOF. COORDINATE WITH PLUMBING PIPING AND EQUIPMENT. PROVIDE FIRE DAMPER AND ACCESS DOOR AT SECOND FLOOR.
- (4) MOUNT EXHAUST FAN AS HIGH AS POSSIBLE.
- TRANSITION TO 26"X26" DUCT IN CHASE. ROUTE UP TO EF-12 ON ROOF. PROVIDE FIRE DAMPER AND ACCESS DOOR AT SECOND FLOOR.
- 6 ROUTE DUCTWORK UP FROM CHASE TO NEW GV-1 ON ROOF. COORDINATE WITH PLUMBING PIPING AND EQUIPMENT. PROVIDE FIRE DAMPER AND ACCESS DOOR AT SECOND FLOOR.

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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION

TRUE

1/8'' = 1'-0'' 09/05/23 Project Status **BID SET**

Drawn By CNH

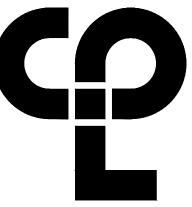
SECOND FLOOR AREA 1 HVAC DUCTWORK NEW WORK PLAN

SECOND FLOOR AREA 1 HVAC DUCTWORK NEW WORK PLAN H202 | SCALE: 1/8" = 1'-0"

- 1. COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR NEW WORK.
- 2. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- 3. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- 4. UNLESS OTHERWISE DIRECTED, ALL BUILDING MANAGEMENT CONTROLS ARE EXISTING TO BE RECONNECTED TO THE NEW EQUIPMENT. RECONNECTION IS THE RESPONSIBILITY OF THIS CONTRACT.
- 5. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

- PROVIDE NEW DOAS UNIT AND CURB. CONTRACTOR SHALL PROVIDE AND INSTALL ROOFTOP UNIT ACCORDING TO CONTRACT DOCUMENTS AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO DETAILS AND SCHEMATICS. COORDINATE AND INTEGRATE WITH BMS CONTROLS. CONTRACTOR SHALL EXECUTE AND DOCUMENT ALL MANUFACTURER'S SUGGESTED START UP AND TESTING. CONNECT DUCTWORK, PIPING AND CONTROLS AND PREPARE FOR COMMISSIONING.
- REINSTALL EXISTING CONDENSING UNIT. RECONNECT TO EXISTING UNIT CONTROLS AND MAINTAIN EXISTING SEQUENCE OF OPERATION. PROVIDE ROOF SUPPORTS. PROVIDE REFRIGERANT LINES AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT PIPING INDICATED ON DRAWING IS SHOWN TO INDICATE SUGGESTED PATH AND MAY NOT REPRESENT ACTUAL PIPING CONFIGURATION. SIZING AND CIRCUITING IS THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE PIPE CHASE FOR REFRIGERANT LINES. PROVIDE PIPE PORTAL. ALL PIPE RAILS AND ROOF CURB SHALL BE ANCHORED TO THE ROOF DECK AND FLASHED INTO THE ROOF MEMBRANE BY A QUALIFIED ROOFING CONTRACTOR. CURBS AND RAILS SHALL BE WIND RATED.
- REINSTALL EXISTING EXHAUST FAN. RECONNECT TO EXISTING UNIT CONTROLS AND MAINTAIN EXISTING SEQUENCE OF OPERATION. PROVIDE NEW ROOF CURB. ROOF CURB SHALL BE ANCHORED TO THE ROOF DECK AND FLASHED INTO THE ROOF MEMBRANE BY A QUALIFIED ROOFING CONTRACTOR. CURBS AND RAILS SHALL BE WIND RATED.
- PROVIDE NEW VRF SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO, CONDENSING UNIT(S), INDOOR FAN COIL UNITS, PIPING, CONTROLS, AND EQUIPMENT RAILS. SYSTEM SHALL BE DESIGNED BY MANUFACTURER'S APPROVED TECHNICIANS. REFRIGERANT PIPING INDICATED ON DRAWING IS SHOWN TO INDICATE SUGGESTED PATH AND MAY NOT REPRESENT ACTUAL PIPING CONFIGURATION. SIZING AND CIRCUITING IS THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE PIPE CHASE FOR REFRIGERANT LINES. PROVIDE PIPE PORTAL. ALL PIPE RAILS AND ROOF CURB SHALL BE ANCHORED TO THE ROOF DECK AND FLASHED INTO THE ROOF MEMBRANE BY A QUALIFIED ROOFING CONTRACTOR. CURBS AND RAILS SHALL BE WIND RATED.
- (5) REINSTALL EXISTING GRAVITY INTAKE VENTILATOR AND PROVIDE NEW ROOF CURB.



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PROJECT INFORMATION

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22 EDWARD ST, OSSINING, NY 10562

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No. Date Description

PROFESSIONAL STAMPS

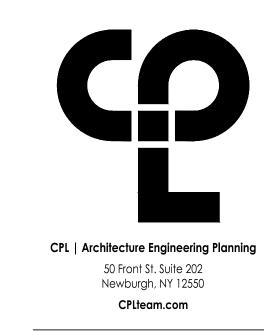
SHEET INFORMATION KEY PLAN: 1/8" = 1'-0" 09/05/23 Project Status TRUE **BID SET** ROOF AREA 1 HVAC NEW WORK

- COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR NEW WORK.
- 2. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- 4. UNLESS OTHERWISE DIRECTED, ALL BUILDING MANAGEMENT CONTROLS ARE EXISTING TO BE RECONNECTED TO THE NEW EQUIPMENT. RECONNECTION IS THE RESPONSIBILITY OF THIS CONTRACT.
- 5. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.
- 6. REFER TO SHEET S203 FOR MECHANICAL CONTRACTOR STRUCTURAL WORK.
- 7. REFER TO SHEET A205 FOR MECHANICAL CONTRACTOR ROOFING WORK.

KEY NOTES:

KEY PLAN:

CONTRACTOR SHALL PROVIDE ROOFTOP UNIT AND CURB ACCORDING TO CONTRACT DOCUMENTS AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO DETAILS AND SCHEMATICS. COORDINATE AND INTEGRATE WITH BMS CONTROLS. CONTRACTOR SHALL EXECUTE AND DOCUMENT ALL MANUFACTURER'S SUGGESTED START UP AND TESTING. RECONNECT DUCTWORK, PIPING AND CONTROLS AND PREPARE FOR COMMISSIONING.



PROJECT INFORMATION

14428.20

Project Number

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PROJECT ISSUE & REVISION SCHEDULE

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NEW YORK STATE EDUCATION STATEMENT

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SHEET INFORMATION

Issued Scale

09/05/23 1/8" = 1'-0"

Project Status

BID SET

Drawn By Checked By

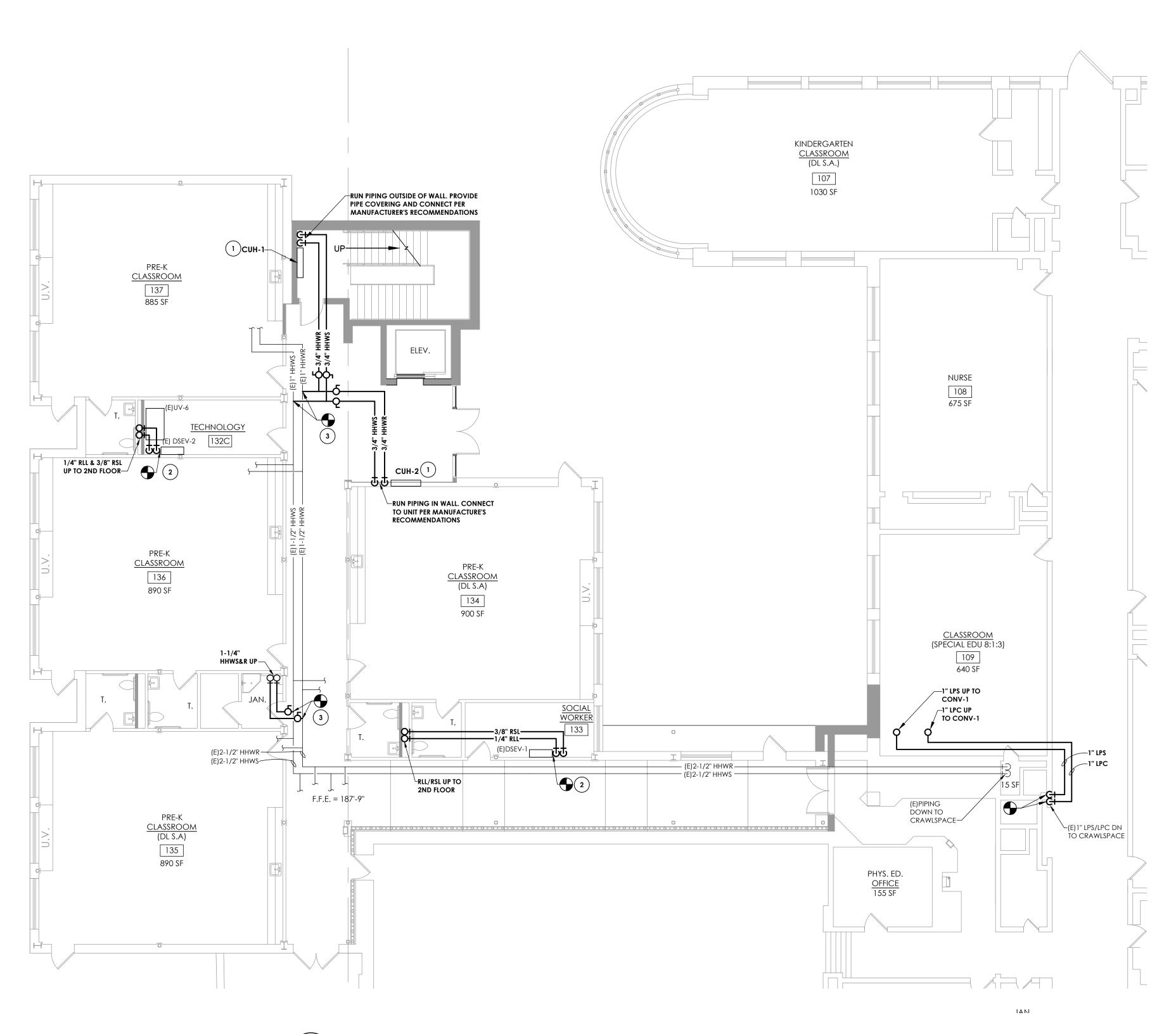
CNH JJM

Drawing Title

ROOF AREA 2 HVAC NEW WORK

Drawing Number

PES H203.2

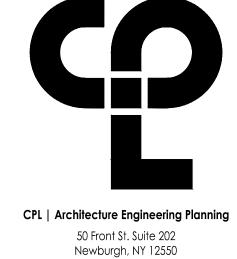


FIRST FLOOR AREA 1 HVAC PIPING NEW WORK PLAN

- 1. COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR NEW WORK.
- 2. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- 3. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- 4. UNLESS OTHERWISE DIRECTED, ALL BUILDING MANAGEMENT CONTROLS ARE EXISTING TO BE RECONNECTED TO THE NEW EQUIPMENT. RECONNECTION IS THE RESPONSIBILITY OF THIS CONTRACT.
- 5. MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

- 1) PROVIDE ALL ASSOCIATED PIPING, PIPING ACCESSORIES AND CONTROLS REQUIRED FOR NEW CABINET UNIT HEATER.
- 2 CONNECT REFRIGERANT PIPING TO EXISTING INDOOR SPLIT SYSTEM UNIT. REFRIGERANT PIPING INDICATED ON DRAWING IS SHOWN TO INDICATE SUGGESTED PATH AND MAY NOT REPRESENT ACTUAL PIPING CONFIGURATION. SIZING AND CIRCUITING IS THE RESPONSIBILITY OF THE CONTRACTOR. RECHARGE WITH R410A REFRIGERANT. RECONNECT TO BMS SYSTEM AND RESUME EXISTING SEQUENCE OF OPERATION.
- 3 TIE HEATING HOT WATER SUPPLY AND RETURN PIPING INTO EXISTING MAIN. PROVIDE ISOLATION VALVES. RE-BALANCE HYDRONIC SYSTEM.



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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL **DISTRICT**

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION

TRUE

Scale 09/05/23 1/8" = 1'-0" Project Status **BID SET** Drawn By CNH

FIRST FLOOR AREA 1 HVAC PIPING NEW WORK PLAN

KEY PLAN:

- COORDINATE WITH BUILDING OWNER FOR ANY NECESSARY SHUT-DOWN OF BUILDING SYSTEMS REQUIRED FOR NEW WORK.
- 2. COORDINATE NEW WORK WITH ALL OTHER TRADES.
- 3. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- 4. UNLESS OTHERWISE DIRECTED, ALL BUILDING MANAGEMENT CONTROLS ARE EXISTING TO BE RECONNECTED TO THE NEW EQUIPMENT. RECONNECTION IS THE RESPONSIBILITY OF THIS CONTRACT.
- MAINTAIN ROOF WARRANTY FOR ALL EQUIPMENT REMOVALS AND INSTALLATIONS.

KEY NOTES:

KEY PLAN:

- PROVIDE ASSOCIATED PIPING, REFRIGERANT LINES AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS TO DUCTED VRF SYSTEM UNIT. REFRIGERANT PIPING INDICATED ON DRAWING IS SHOWN TO INDICATE SUGGESTED PATH AND MAY NOT REPRESENT ACTUAL PIPING CONFIGURATION. SIZING AND CIRCUITING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- PROVIDE ASSOCIATED PIPING, REFRIGERANT LINES AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS TO CASSETTE STYLE VRF SYSTEM UNIT. REFRIGERANT PIPING INDICATED ON DRAWING IS SHOWN TO INDICATE SUGGESTED PATH AND MAY NOT REPRESENT ACTUAL PIPING CONFIGURATION. SIZING AND CIRCUITING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- PROVIDE NEW FIN TUBE RADIATION UNIT WITH ASSOCIATED PIPING AND CONTROLS. PROVIDE TUBE END CAPS AND COORDINATE WITH ARCHITECT.
- PROVIDE NEW HOT WATER COIL WITH ASSOCIATED PIPING AND CONTROLS.
- PROVIDE RECESSED STEAM CONVECTOR. PROVIDE ALL ASSOCIATED PIPING AND CONTROLS ACCESSORIES.

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PROJECT INFORMATION

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PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

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SHEET INFORMATION

TRUE

CNH JJM

Drawing Title

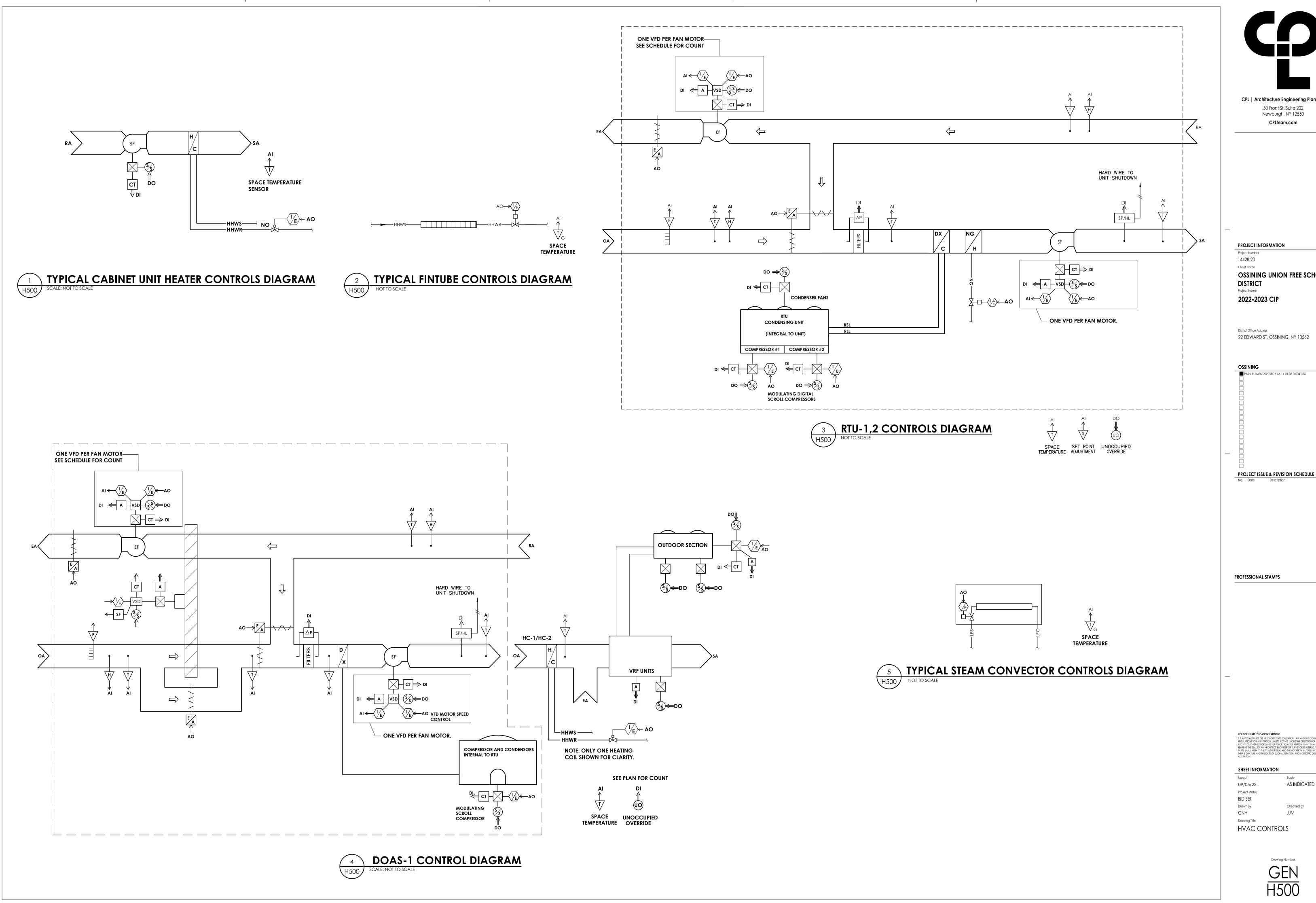
SECOND FLOOR AREA 1 HVAC

PIPING NEW WORK PLAN

PES H302

1 SECOND FLOOR AREA 1 HVAC PIPING NEW WORK PLAN

(H302) SCALE: 1/8" = 1'-0"



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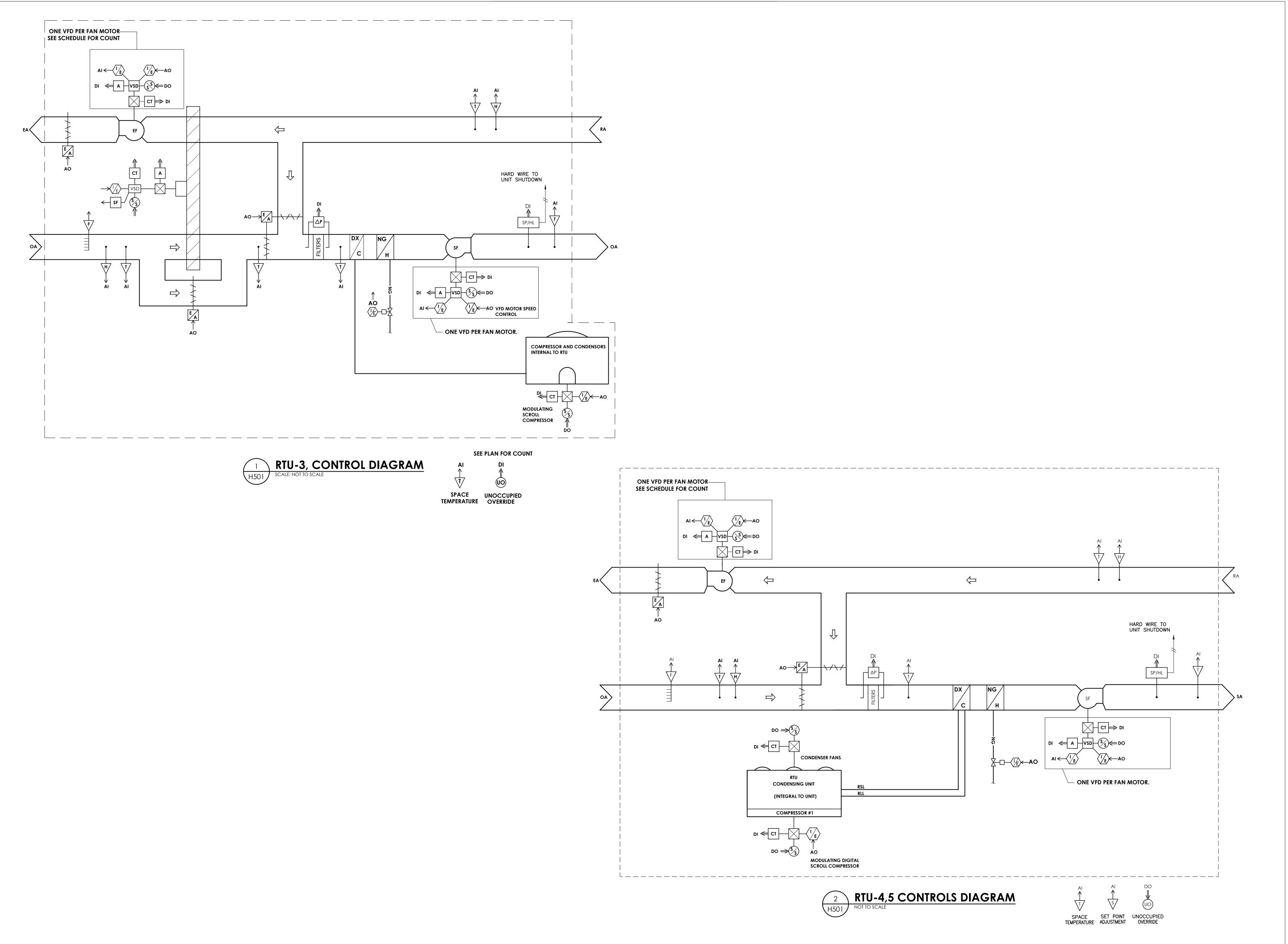
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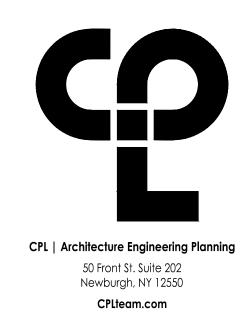
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District Office Address 22 EDWARD ST, OSSINING, NY 10562

AS INDICATED 09/05/23 Project Status





PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

Project Name
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District Office Address
22 EDWARD ST, OSSINING, NY 10562

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PROJECT ISSUE & REVISION SCHEDULE

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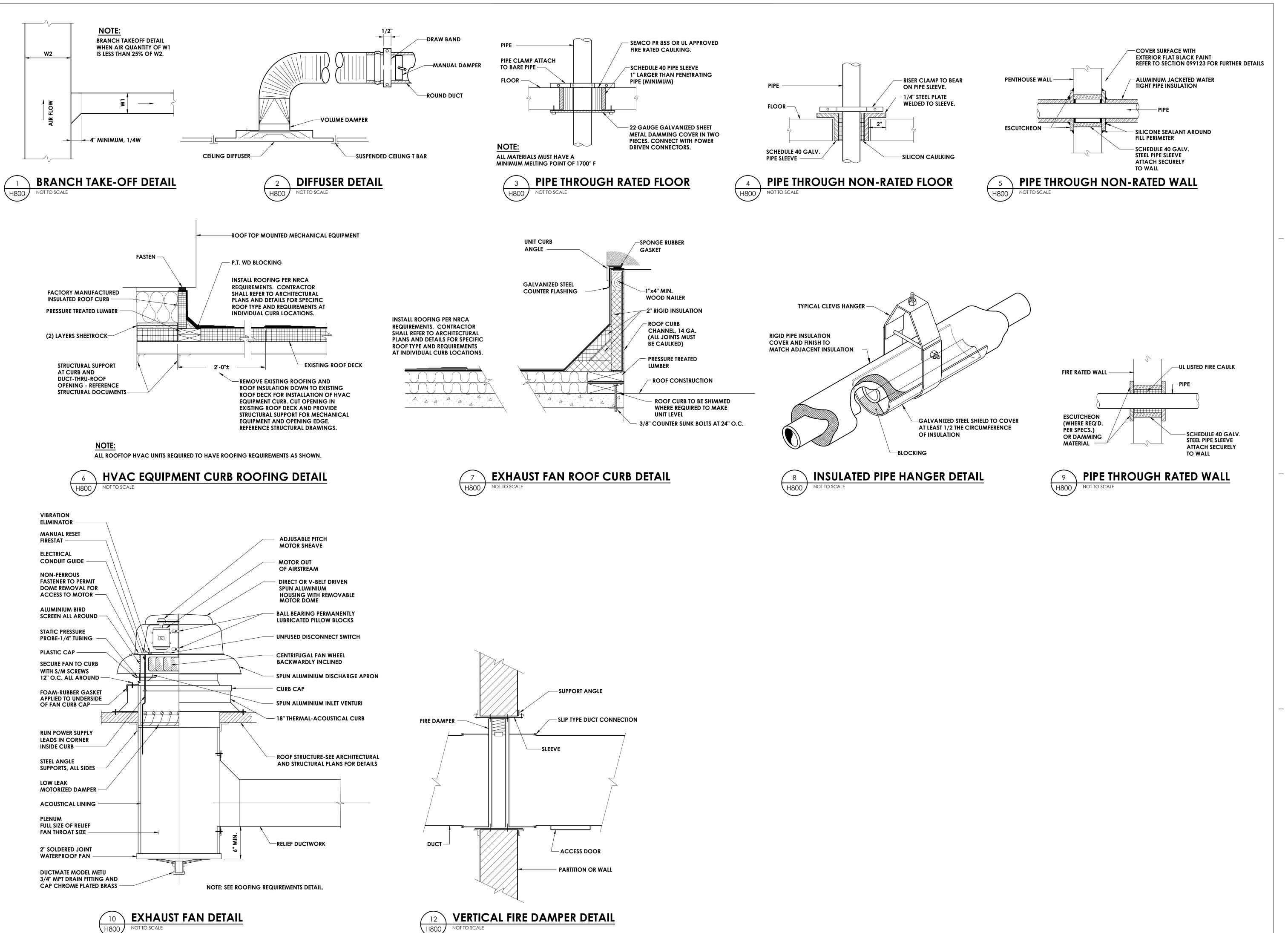
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SHEET INFORMATION

Issued Scale
09/05/23 AS INDICATED
Project Status
BID SET

Drawn By Checked By
CNH JJM
Drawing Title
HVAC CONTROLS

GEN



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50 Front St. Suite 202
Newburgh, NY 12550

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PROJECT INFORMATION

Project Number
14428.20
Client Name

2022-2023 CIP

OSSINING UNION FREE SCHOOL
DISTRICT
Project Name

District Office Address
22 EDWARD ST, OSSINING, NY 10562

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| PARK ELEMENTARY SED# 66-14-01-03-0-004-024

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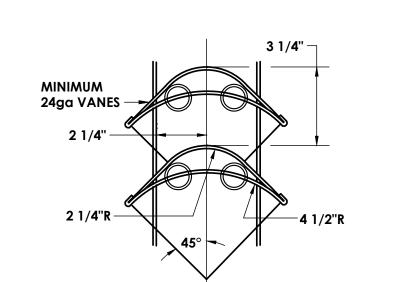
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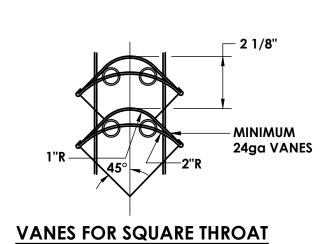
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HVAC DETAILS

GEN

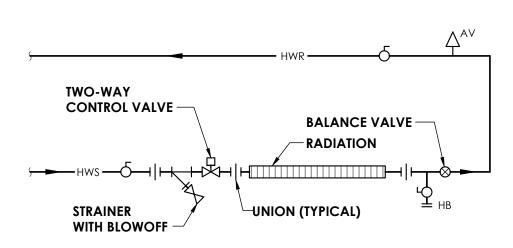


VANES FOR SQUARE THROAT ELBOWS OVER 20" WIDE

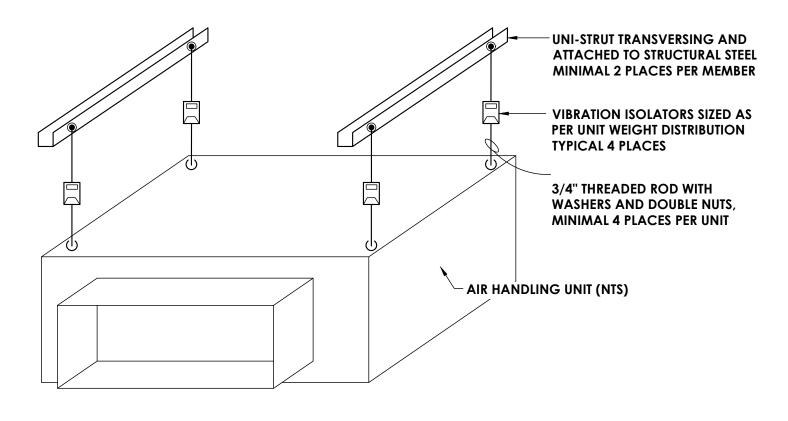


ELBOWS THRU 20" WIDE

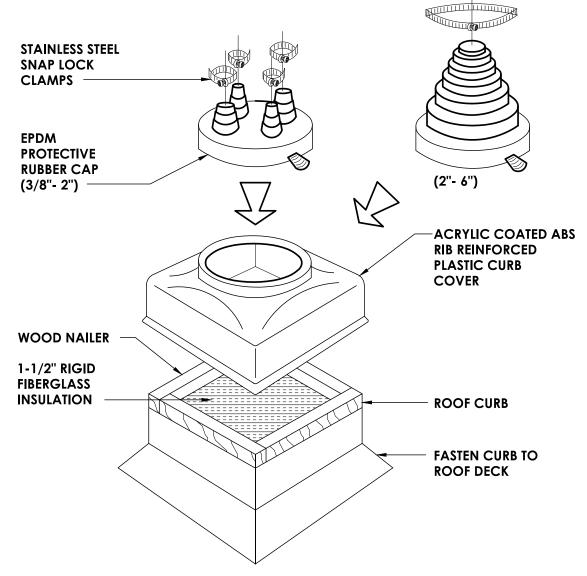




FIN-TUBE RADIATION DETAIL



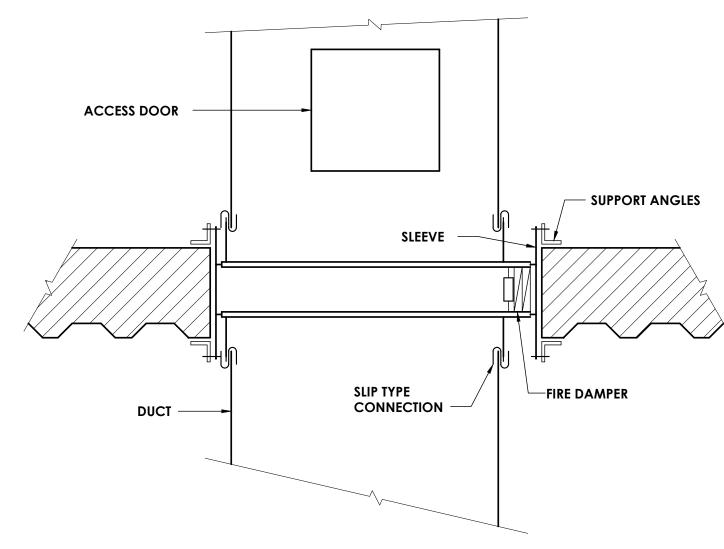
INDOOR UNIT SUPPORT INSTALLATION DETAIL



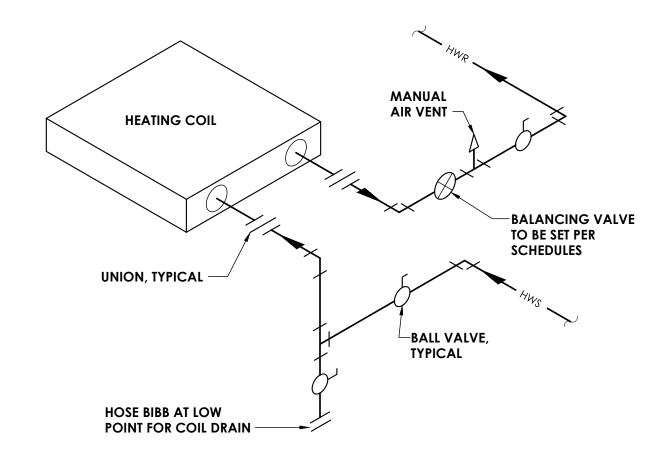
NOTES:

- INSTALL ROOFING PER NRCA RECOMMENDATIONS. COORDINATE WITH OWNER AND EXISTING ROOFING MANUFACTURER TO MAINTAIN WARRANTY.
- REMOVE EXISTING ROOFING AND ROOF INSULATION DOWN TO EXISTING ROOF DECK AS NECESSARY FOR INSTALLATION OF HVAC EQUIPMENT CURB. CUT OPENING IN EXISTING ROOF DECK AND PROVIDE STRUCTURAL SUPPORT FOR MECHANICAL EQUIPMENT AND OPENING
- INSTALLATION OF ALL MECHANICAL **EQUIPMENT, RAILS AND CURBS SHALL** CONFORM TO NYS BUILDING CODE SECTION 1604.9 AND THE WIND **RESTRAINT REQUIREMENTS OF THIS** PROJECT.

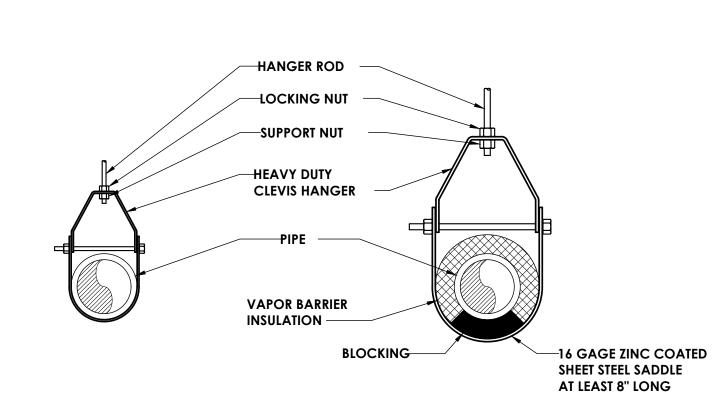




HORIZONTAL FIRE DAMPER DETAIL (H801



CABINET UNIT HEATER AND UNIT HEATER COIL PIPING SCHEMATIC H801

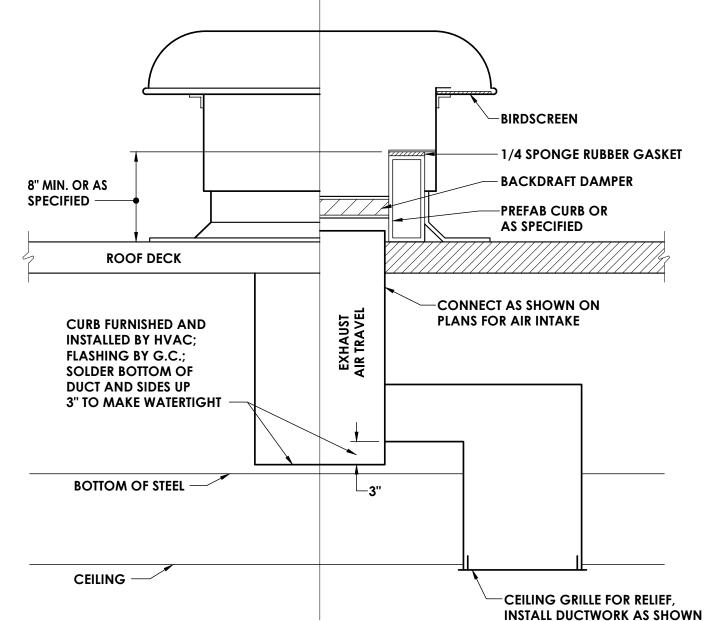


PIPE SUPPORT DETAIL

CLEVIS HANGER SINGLE HORIZONTAL RUNS NO VAPOR BARRIER INSULATION

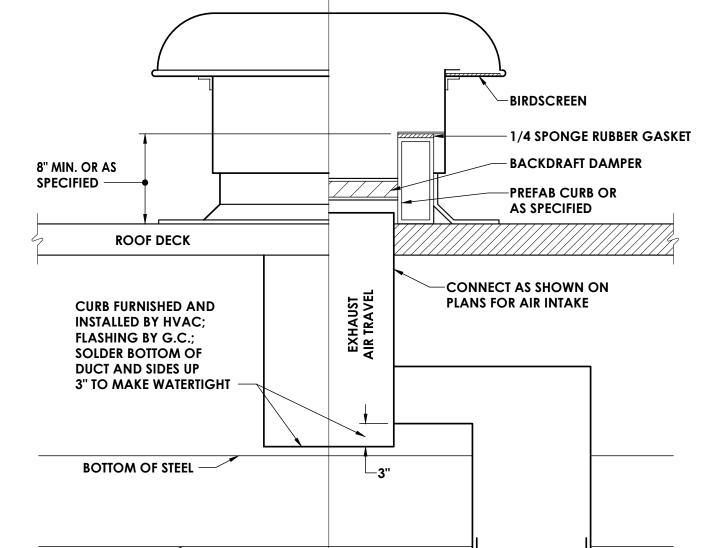
\H801

CLEVIS HANGER SINGLE HORIZONTAL RUNS WITH VAPOR BARRIER INSULATION





TYPICAL GRAVITY RELIEF OR AIR INTAKE DETAIL \H801



SHEET INFORMATION

CPL | Architecture Engineering Planning

50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

OSSINING UNION FREE SCHOOL

Project Number 14428.20

DISTRICT

2022-2023 CIP

District Office Address

OSSINING

22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

Issued

09/05/23 AS INDICATED Project Status **BID SET**

Drawn By Checked By CNH Drawing Title

HVAC DETAILS

GEN

STEAM CONVECTOR SCHEDULE **ENCLOSURE** PRESSURE HEAT TYPICAL UNIT MFG NOTES: FLUID (BTUH) (PSIG) (°F) & MODEL NO. H (IN.) | L (IN.) | D (IN.) | STYLE STERLING FWG-A 1,2,3

NOTES:

I. PROVIDE ACCESS DOORS IN ENCLOSURE AS NECESSARY FOR ACCESS TO SHUTOFF VALVES, CONTROL VALVE AND ACCESSORIES.

2. ENCLOSURE COLOR TO BE SELECTED BY ARCHITECT.

3. COORDINATE HEIGHT WITH ELECTRICAL DEVICES.

			RELO	CATED OUTDOO	R CONDENSIN	NG UNIT SCHEDULE (FOR INFORMA	TIONAL USE ON	ILY)			
		COOLING CAPACITY	HEATING CAPACITY			ELECTRICAL D	ATA	T		WEIGHT	TYPICAL UNIT MFG	
TAG	LOCATION	MBH	MBH	FAN DA	ATA	COMPRESSOR RLA	SYSTEM MFA	SYSTEM MCA	POWER	(LB)	& MODEL	NOTES:
		,,,,,,,		MOTOR WATTS	MOTOR FLA	COMI KLSSOK KLA	3131LW WILA	SISILMIMCA	(V/Hz/Ø)	, ,	NO.	
\$\$0-3	AREA 1 ROOF	12,000	12,000	32	0.7	9.5	20	13	115/60/1	57.8	CARRIER 38MHRQ12A1	1
SSO-4	AREA 1 ROOF	12,000	12,000	32	0.7	9.5	20	13	115/60/1	57.8	CARRIER 38MHRQ12A1	1
NOTES:	•	•					•	•		•		

R	ELOCATED GRA	AVITY INTAKE	VENTILATOR SCH	IEDULE (F	OR INFOR	MATIONAL USE ONLY	()
TAG	THROAT SIZE	HOOD SIZE	HOOD VELOCITY	CFM	SP IN W.G.	TYPICAL UNIT MFG & MODEL NO.	NOTES:
GV-1	-	-	-	50	-	-	1
NOTES:	•						
I. EXISTING EQUIPM	ENT RELOCATED TO NEW LO	CATIONS					

		R	ELOCATED I	EXHAUST	FAN SCH	DULE (FOF	RINFORMA	ATIONAL (JSE ONLY)	
TAG	TYPE	CFM	SP	RPM		E	ELECTRICAL			TYPICAL UNIT MFG	NOTES:
IAG	ITPE	CFM	IN W.G.	RPIVI	HP	ВНР	VOLTS	PHASE	AMPS	& MODEL NO.	NOTES:
EF-10	DOWNBLAST	140	0.1	893	1/10	1/10	115	1	60	GREENHECK G-095-VG	1
EF-11	DOWNBLAST	360	0.1	773	.25	.02	115	1	60	GREENHECK G-070-VG	1
EF-12	DOWNBLAST	6000	0.546	1725	1.5	1.07	208	3	60	GREENHECK HB-300-15	1
NOTES:											

				VRF/S	SPLIT SYSTEM INDOC	R UNITS					
TAG	LOCATION	AIRFLOW (H/M/L) CFM	OUTDOOR AIRFLOW CFM	HEATING CAPACITY MBH	COOLING CAPACITY MBH	WEIGHT (LBS)	POWER (V/Hz/Ø)	МОСР	МСА	TYPICAL UNIT MFG & MODEL NO.	NOTES
SSI-1	237 - CLASSROOM	1766/1589/1354	510	54	48	112	208/60/1	15	4.83	FUJITSU AIRSTAGE ARUH48TLAV2	1,2,4,5,6
SSI-2	236 - CLASSROOM	1324/1030/824	510	40	36	108	208/60/1	15	2.7	FUJITSU AIRSTAGE ARUH36TLAV2	1,2,4,5,6
SSI-3	235 - CLASSROOM	1766/1589/1354	510	54	48	112	208/60/1	15	4.83	FUJITSU AIRSTAGE ARUH48TLAV2	1,2,4,5,6
SSI-4	234 - CLASSROOM	1766/1589/1354	510	54	48	112	208/60/1	15	4.83	FUJITSU AIRSTAGE ARUH48TLAV2	1,2,4,5,6
SSI-5	232C - SMALL GROUP	318/265/206	50	9.5	7.5	40	208/60/1	15	0.51	FUJITSU AIRSTAGE AUUA7TLAV2	1,2,3,4,5,6,7
\$\$1-6	231 - OFFICE	318/265/206	50	9.5	7.5	40	208/60/1	15	0.51	FUJITSU AIRSTAGE AUUA7TLAV2	1,2,3,4,5,6,7
SSI-7	234B - OFFICE	318/265/206	50	9.5	7.5	40	208/60/1	15	0.51	FUJITSU AIRSTAGE AUUA7TLAV2	1,2,3,4,5,6,7
SSI-8	232 - CORRIDOR	401/330/259	40	15.6	14	43	208/60/1	15	0.51	FUJITSU AIRSTAGE AUUA14TLAV2	1,2,3,4,5,6,7
SSI-9	232 - CORRIDOR	401/330/259	40	15.6	14	43	208/60/1	15	0.51	FUJITSU AIRSTAGE AUUA14TLAV2	1,2,3,4,5,6,7
SSI-10	232 - CORRIDOR	401/330/259	40	15.6	14	43	208/60/1	15	0.51	FUJITSU AIRSTAGE AUUA14TLAV2	1,2,3,4,5,6,7

3. COLOR WHITE.
4. TOUCH PANEL CONTROLLER.

5. PROVIDE MANUFACTURER'S CONDENSATE PUMP.

1. UNIT MOUNTED AND WIRED DISCONNECT.

6. PROVIDE DRAIN PAN LEVEL SENSOR.

7. CEILING CASSETTE MODULES TO FIT IN 24X24 CEILING GRID.

2. PROVIDE BACNET INTEGRATION PACKAGE FOR FULL INTEGRATION WITH BUILDING MANAGEMENT SYSTEM.

						CABINET	UNIT HFA	TER SCHE	DULF					
TAG	LOCATION	TYPE	HEATING CAPACITY (MBH)	CFM	GPM	# OF ROWS	EWT (°F)	LWT (°F)	EAT (°F)	LAT (°F)	ELECTRICA POWER (V/Hz/Ø)	MCA (A)	TYPICAL UNIT MFG & MODEL NO.	NOTES:
CUH-1	STAIRWELL	WALL	18.6	332	1.86	1	180	160	65	116.7	120/60/1	.65	STERLING CBS-WI-03	1,2
CUH-2	CORRIDOR	RECESSED WALL	25.4	430	2.54	1	180	160	65	114.7	120/60/1	1.4	STERLING RW-1120-04	1,2
NOTES.				•					1					-

						F	IN TUBE S	CHEDULE					
TAC	BTU/FT.	GPM	TUBE	FINS /	EWT	LWT	EAT		ENCLOSUR	E	ELEMENT	TYPICAL UNIT MFG	NOTES:
TAG	DIU/FI.	GPM	SIZE (IN.)	FT.	(°F)	(°F)	(°F)	H (IN.)	D (IN.)	STYLE	LENGTH (FT.)	& MODEL NO.	NOTES:
FT-1	1000	0.5	3/4	32	180	160	65	14	4.5	SLOPE TOP	6	STERLING JVA-ARS	1,2,3,4
FT-2	1000	5.1	3/4	40	180	160	65	14	4-3/8	FLAT TOP	16	STERLING JVA-F14	1,2,3,4
NOTES.				•	•			•					

1. PROVIDE ACCESS DOORS IN ENCLOSURE AS NECESSARY FOR ACCESS TO SHUTOFF VALVES, CONTROL VALVE AND ACCESSORIES.

2. ENCLOSURE COLOR TO BE SELECTED BY ARCHITECT.

3. PROVIDE WITH WALL-TO-WALL ENCLOSURE. 4. COORDINATE HEIGHT WITH ELECTRICAL DEVICES.

														DED	CATE	OUTD	OOR AIR	SYSTEMS	SCHEDU	LE												
		SUPPLY	FAN				RELIEF/EXHA	AUST FAN			COOL	NG CA	PACITY							ENERGY R	RECOVERY					EL	ECTRICAL					
TAG	A IDEL OVA	ECD			ОА	AIDELOW	ESP			TOTAL	05,10	FAT	.оЕ	_AT°F				WINTER					SUMMER			DOWED			EED	WEIGHT	TYPICAL UNIT MFG	NOTES:
IAG	AIRFLOW (CFM)	ESP (IN. W.C.)	MOTOR HP	FAN BHP	(CFM)	AIRFLOW (CFM)	(IN. W.C.)	MOTOR HP	FAN BHP	MBH	SENS MBH	LAI	'	-//11	EA	√T°F	LAT°F	TOTAL	EFFEC	CTIVENESS	EAT°F	LAT°F	TOTAL	EFFEC	CTIVENESS	POWER (V/Hz/Ø)	MCA	МОСР	LLK	(LBS.)	& MODEL NO.	NOILS.
		(' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '					(, , , , , , , , , , , , , , , , , , ,	'"		,,,,,,,,,	,,,,,,,,,	DB	WB DE	WB	DB	WB	DB WE	MBH	TOTAL	SENSIBLE	DB WI	DB W	MBH	TOTAL	SENSIBLE	, , , , , ,						
DOAS-1	2270	0.75	2	1.56	2270	2465	1.34	2	1	94	69	84.2	66.7 57.2	55.9	-2	-3	41.4 32.2	120	68.1	72.3	95 70	84.2 66.	25	72.9	71.5	208/60/3	44	60	12.4	1452	AAON - RN007	1,2,3,4,5,6,7

CPL | Architecture Engineering Planning

50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

OSSINING UNION FREE SCHOOL

Project Number 14428.20

DISTRICT Project Name

2022-2023 CIP

District Office Address

OSSINING

22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION	
Issued	Scale
09/05/23	NOT TO SCALE
Project Status	
BID SET	
Drawn By	Checked Ry

CNH

Drawing Tit**l**e HVAC SCHEDULES

1. 24" INSULATED CURB. EXTEND EXISTING CONTROLS TO NEW UNITS.

2. FACTORY MOUNTED AND WIRED DISCONNECT.

3. FACTORY UNIT CONTROLS WITH BACNET INTERFACE. 4. BOTTOM SUPPLY CONNECTION. BOTTOM RETURN/EXHAUST CONNECTION.

5. PROVIDE ENERGY WHEEL.

6. PROVIDE CONVENIENCE OUTLET.

1. FACTORY MOUNTED DISCONNECT.

4. PROVIDE WIND BAFFLE.

2. VARIABLE SPEED INVERTER DRIVEN COMPRESSOR.

1. EXISTING EQUIPMENT RELOCATED TO NEW LOCATIONS

1. EXISTING EQUIPMENT RELOCATED TO NEW LOCATIONS

3. PROVIDE BACNET INTEGRATION PACKAGE FOR FULL INTEGRATION WITH BUILDING MANAGEMENT SYSTEM.

5. SIZE REFRIGERANT PIPING AND SPECIALTIES PER MANUFACTURER'S RECOMMENDATIONS.

7. PROVIDE 2IN. MERV 13 FILTERS.

NOTES: 1. PROVIDE WITH 2-POSITION CONTROL VALVE AND AUTOMATIC BALANCING VALVE LOCATED IN PIPING END COMPARTMENT.

2. COLOR BY ARCHITECT.

																	ROOFTC	OP AIR C	ONDI	TION	ING UNIT SO	CHED	ULE														
		SUPPLY F	AN				RELIEF/EXH	AUST FAN			COOL	ING CAI	PACITY			HEATING	CAPACII	ΓΥ							ENERGY F	RECOVERY					El	LECTRICAL					
TAC	A IDEL OVA	FCD			ОА	AIDELOW/	FCD					EAT	DE	LAT°F		MIN.						,	WINTER					SUMMER			DOWED			EED	WEIGHT	TYPICAL UNIT MFG	NOTES:
IAG	AIRFLOW (CFM)	ESP (IN. W.C.)	MOTOR HP	R FAN BHP	(CFM)	AIRFLOW (CFM)	(IN. W.C.)	MOTOR HP	FAN BHP	TOTAL MBH	SENS MBH	EAT	Г	LATE	TYPE	PRESSURE	TOTAL	EAT °F	LAI °F	EAT	°F LAT	ſ°F	TOTAL	EFFECT	IVENESS	EAT°F	LAT°F	TOTAL	EFFE	CTIVENESS	POWER (V/Hz/Ø)	MCA	МОСР	LEK	(LBS.)	& MODEL NO.	NOTES.
	(3)		'''	5111		(3)		'"	J 111	771511	74.511	DB	WB [DB W	3	(IN. W.C.)	741211		'	DB	WB DB	WB	MBH	TOTAL	SENSIBLE	DB WB	DB W	MBH	TOTAL	SENSIBLE	(' , ' , ~ ,						
RTU-1	2900	1.75	3	1.78	1010	1010	0.75	2	0.9	93	75	83.9	66.8 5	7.6 55.	NG NG	6	156	43.9	93.7	-		-	-	-	-			-	-	-	208/60/3	58	70	11.5	1900	AAON - RN009	1,2,3,4,6,7
RTU-2	3800	1.75	3	2.87	1620	1620	0.75	2	1.45	146	118	85.3	67.2 5	3.7 53.	I NG	6	234	38.2	95.2	-		-	-	-	-			-	-	-	208/60/3	79	90	11	2139	AAON - RN013	1,2,3,4,6,7
RTU-3	5300	2.35	7.5	4.27	2725	2725	1.19	5	2.99	212	179	80	65.6 5	3.5 53.	I NG	6	219	59.1	97.3	-2	-3 49.3	39	161.5	74.2	74.7	95 70	82.2 66	32.9	73.8	73.9	208/60/3	115	125	10	3379	AAON - RN016	1,2,3,4,6,7
RTU-4	1900	1.5	2	1.64	590	590	0.5	1	0.52	64	51	83.3	66.6	55 54	NG	6	81	46.3	85.8	-		-	-	-	-			-	-	-	208/60/3	43	60	11.6	1050	AAON - RQ006	1,2,3,4,5,6,7
RTU-5	1640	1.5	2	0.95	990	990	0.5	1	0.49	68	55	88.4	68.1 5	4.2 53.	2 NG	6	120	25.4	93.7	-		-	-	-	-			-	-	-	208/60/3	40	60	11.1	1511	AAON - RN007	1,2,3,4,6,7

CPL | Architecture Engineering Planning

50 Front St. Suite 202 Newburgh, NY 12550 **CPLteam.com**

CPLteam.com

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Project Number

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OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURPEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFRIX TO THE ITEM THEIR SEAL, AND THE NOTATION "ALTERED BY "FOLLOWED BY THEIR SKORATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Scale

Issued
09/05/23
Project Status

09/05/23 NOT TO SCALE

Project Status

BID SET

Drawn By Checked By

CNH JJM

Drawing Title

HVAC SCHEDULES

GEN

7. PROVIDE 2IN. MERV 13 FILTERS.
LOUVER SCHEDULE

(FPM)

TYPICAL UNIT MFG

& MODEL NO.

GREENHECK ESD-202-16x6

NOTES:

1,2

SIZE (IN) PRESSURE DROP

16x6

NOTES:

1. PROVIDE BIRD SCREEN.

TAG

L-1

NOTES:

2. PROVIDE MOTORIZED BACKDRAFT DAMPER.

1. 24" INSULATED CURB. EXTEND EXISTING CONTROLS TO NEW UNITS.

4. BOTTOM SUPPLY CONNECTION. BOTTOM RETURN/EXHAUST CONNECTION.

SERVICE

EXHAUST

1. AEROBLADE DESIGN, DOUBLE DEFLECTION, EXTRUDED ALUMINUM.

FACTORY MOUNTED AND WIRED DISCONNECT.
 FACTORY UNIT CONTROLS WITH BACNET INTERFACE.

5. PROVIDE ENERGY RECOVERY WHEEL.6. PROVIDE CONVENIENCE OUTLET.

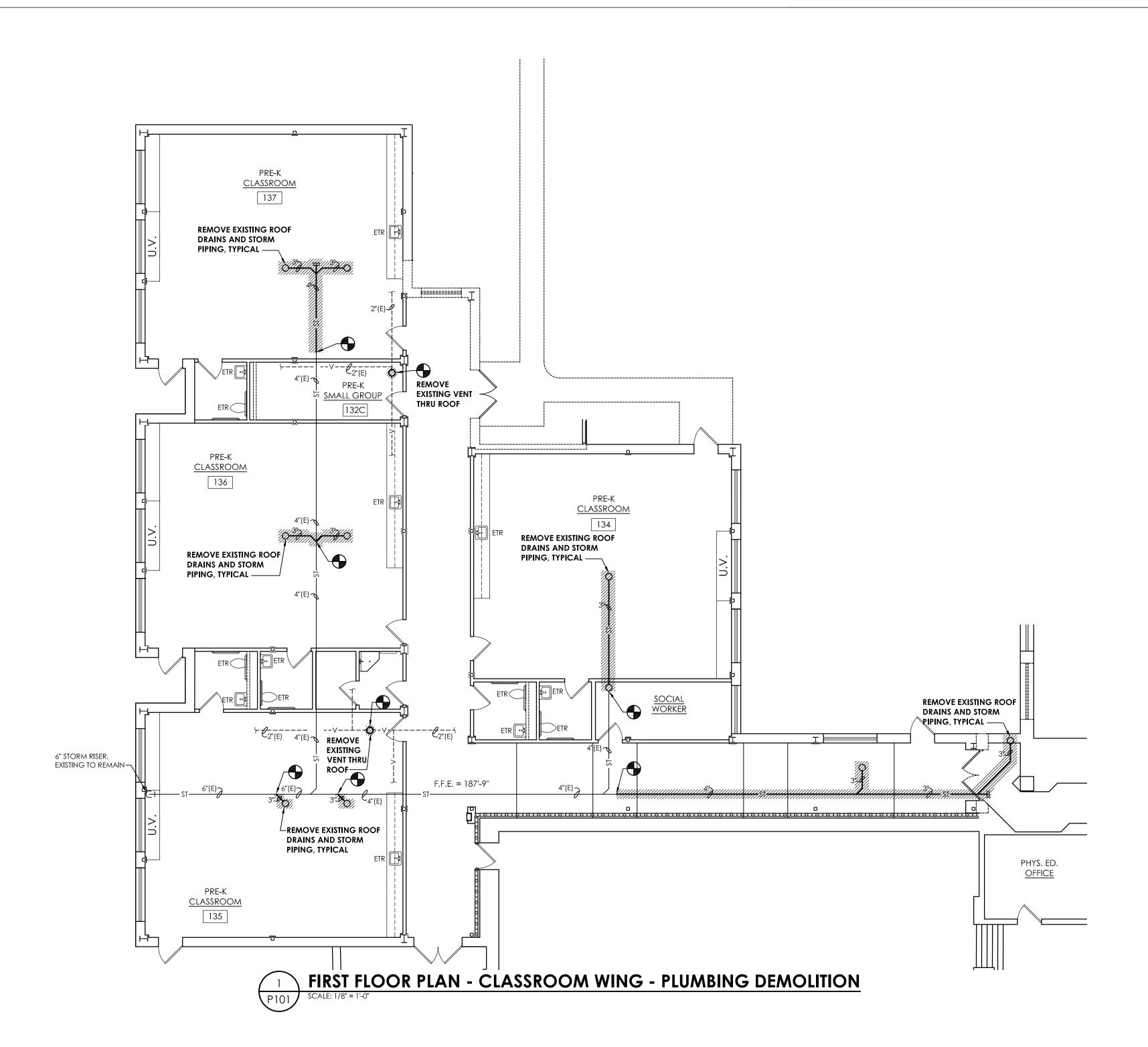
	REGI	STERS, GRILI	LES, AND DI	FFUSERS S	CHEDULE	
TAG	APPLICATION	MATERIAL	TYPE	FINISH	DESIGN EQUIP.	NOTES:
D-1	SUPPLY - 3 CONE DIFFUSER	STEEL	LAY-IN	WHITE	TITUS: TMS	-
D-2	SUPPLY - 3 CONE DIFFUSER	STEEL	LAY-IN	WHITE	TITUS: PMC	-
G-1	RETURN/EA - LOUVERED GRILLE	STEEL	LAY-IN	WHITE	TITUS: 350FL	1
G-2	RETURN/EA - LOUVERED GRILLE	STEEL	SURFACE MOUNT	WHITE	TITUS: 350FL	1
G-3	RETURN/EA - LOUVERED GRILLE	STEEL	LAY-IN	WHITE	TITUS: PMR	-

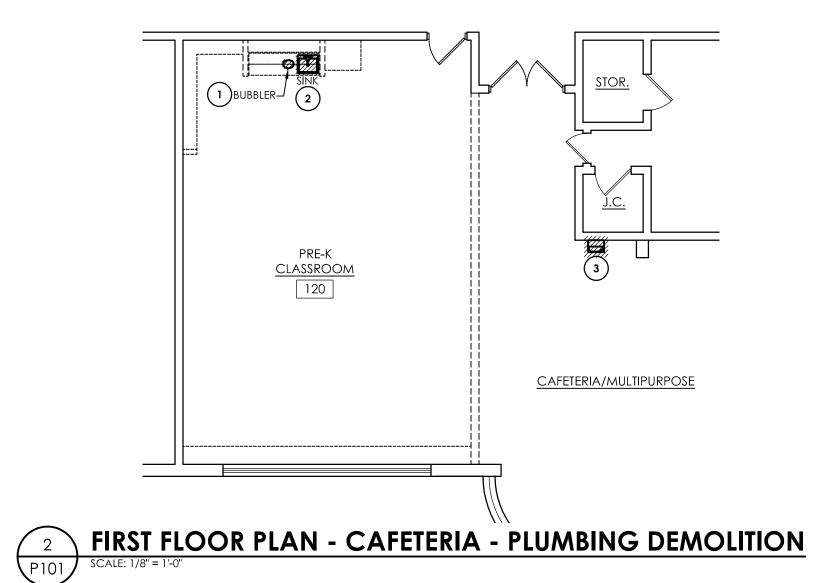
CFM

HOT WATER COIL SCHEDULE AIR DATA WATER DATA MFG SIZE TYPICAL UNIT MFG ROWS NOTES: TAG SERVICE TEMP (°F) TEMP (°F) MAX APD MAX APD MIN. HxL (IN.) & MODEL NO. CFM (IN. WC) (IN. WC) MBH ENT ENT LVG LVG HC-1 DOAS-1 660 40 92.1 0.17 33.9 3.5 180 160 3.2 14x12 CAPITAL W8-1412 1,2 HC-2 DOAS-1 1680 40 85.3 0.15 81.9 8.4 180 160 8.4 24x18 1 CAPITAL W8-2418 1,2 NOTES:

1. REFER TO PLAN FOR COIL CONNECTION HAND.

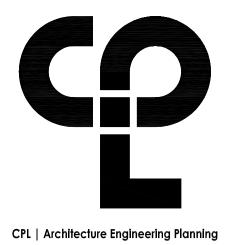
2. TUBE OD 0.625, TUBE SPACING 1.5x1.299.





KEY NOTES:

- 1) REMOVE FIXTURE AND ALL ASSOCIATED PIPING AND SUPPORTS. CAP SANITARY PIPING BELOW FLOOR. CAP VENT PIPING ABOVE CEILING. REMOVE WATER PIPING BACK TO NEAREST LIVE MAIN AND CAP. REMOVE ALL PIPING SUCH THAT LIMITED DEAD END PIPING REMAINS BUT ALL REMAINING BUILDING FIXTURES HAVE NECESSARY PIPING. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING.
- REMOVE FIXTURE. REMOVE SANITARY, VENT, AND COLD WATER PIPING BACK TO THE WALL, MAINTAIN PIPING FOR NEW ELECTRIC WATER COOLER TO BE INSTALLED IN THIS LOCATION. REMOVE HOT WATER PIPING BACK TO NEAREST LIVE MAIN AND CAP SUCH THAT LIMITED DEAD END PIPING REMAINS BUT ALL REMAINING BUILDING FIXTURES HAVE NECESSARY PIPING. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING.
- 3 REMOVE FIXTURE AND MAINTAIN PIPING FOR NEW FIXTURE TO BE INSTALLED IN SIMILAR LOCATION.



50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

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PROJECT ISSUE & REVISION SCHEDULE

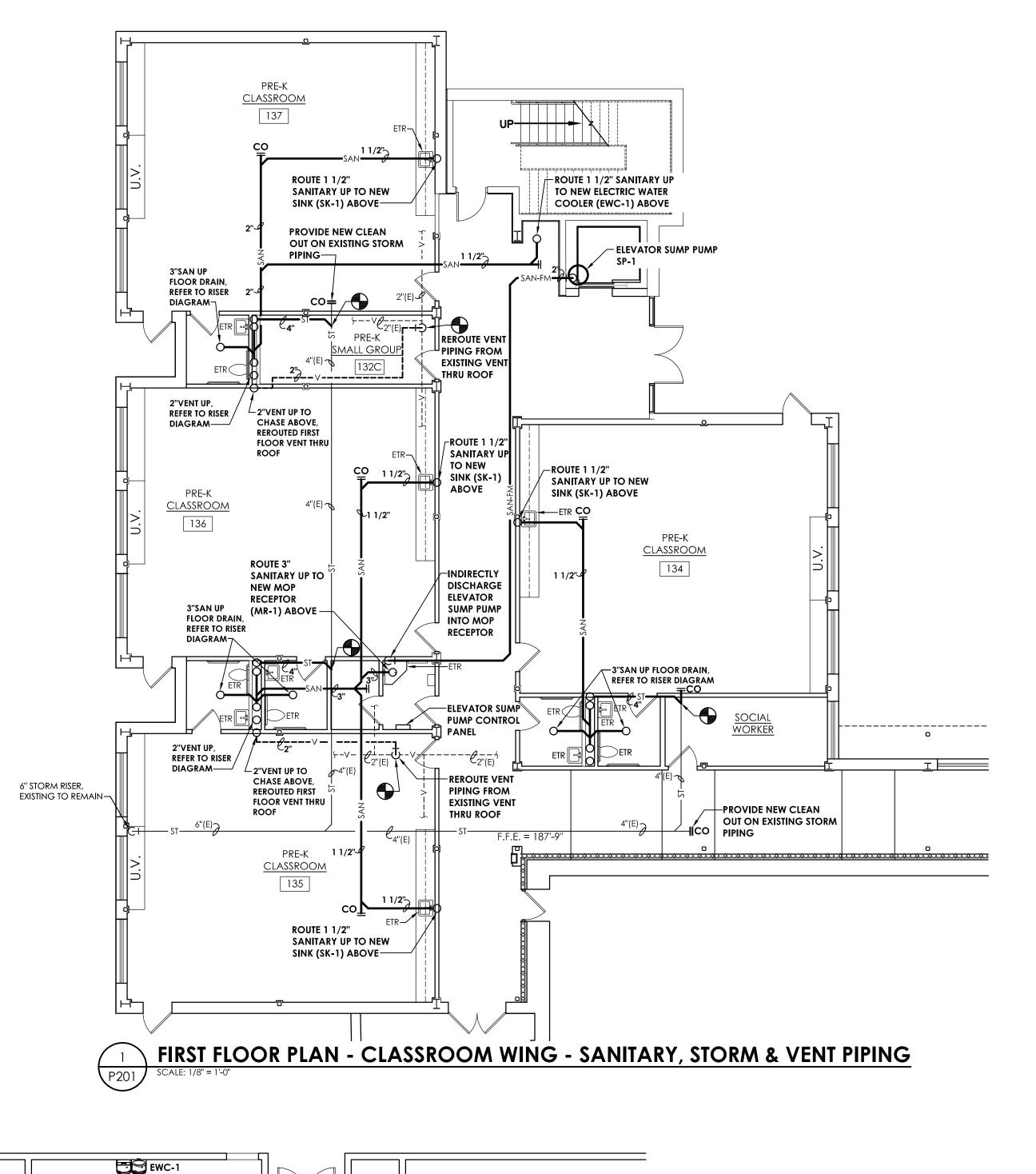
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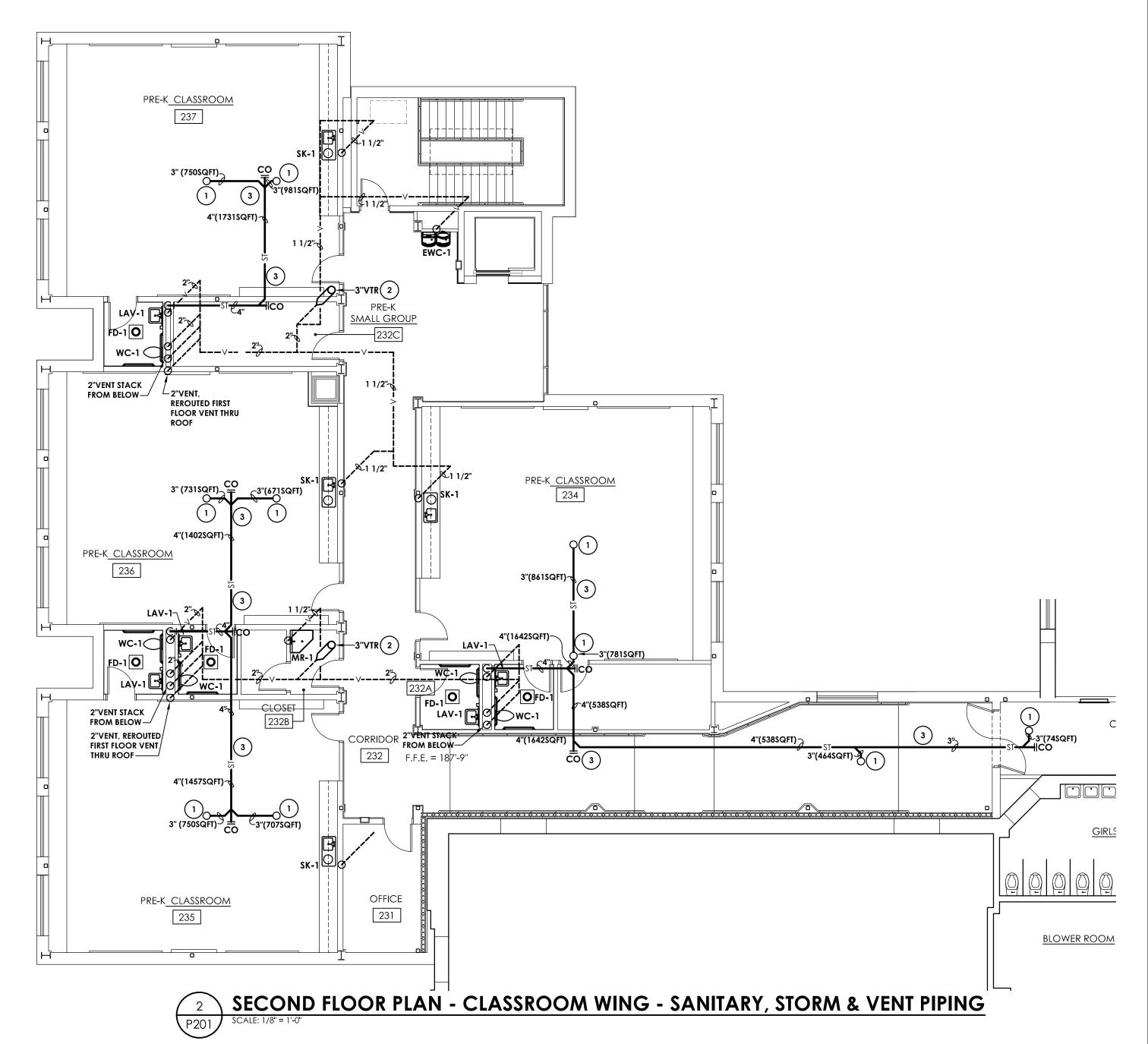
PROFESSIONAL STAMPS

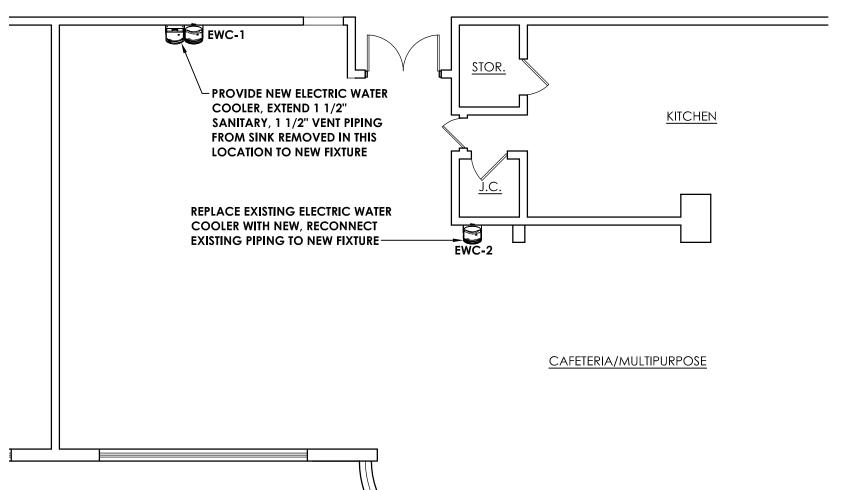


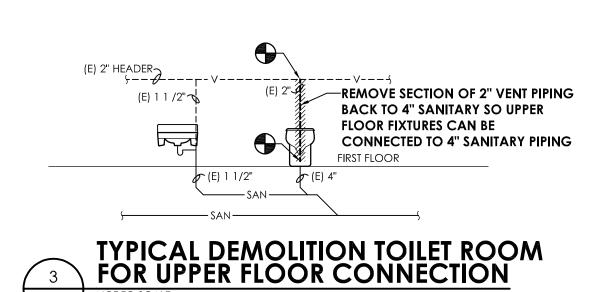
AS NOTED 09/05/23 Project Status PLUMBING DEMOLITION

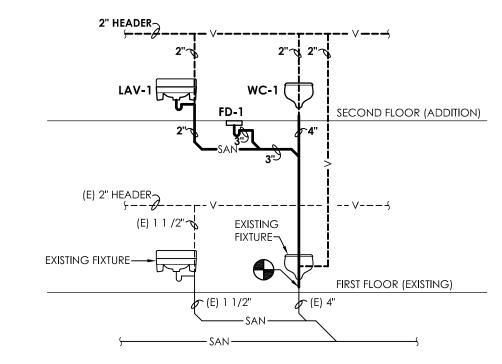
KEY PLAN:







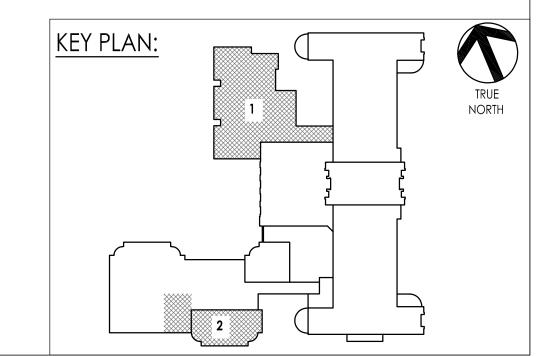




TYPICAL NEW TOILET ROOM
SANITARY AND VENT RISER DIAGRAM

KEY NOTES:

- 1) ROUTE 3" STORM PIPING UP TO ROOF DRAIN (RD-1) ABOVE.
- (2) COORDINATE THE LOCATION OF THE VENT THRU ROOF WITH ROOF TOP MECHANICAL EQUIPMENT TO MAINTAIN A MINIMUM OF 10' FROM THE AIR INTAKE AND THE VENT THRU
- (3) COORDINATE ROUTING OF STORM PIPING WITH STRUCTURAL TRUSSES AND MECHANICAL DUCTWORK. MOST STORM PIPING TO BE ROUTED IN TRUSS SPACE TO AVOID DUCTWORK.



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OSSINING UNION FREE SCHOOL DISTRICT

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District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

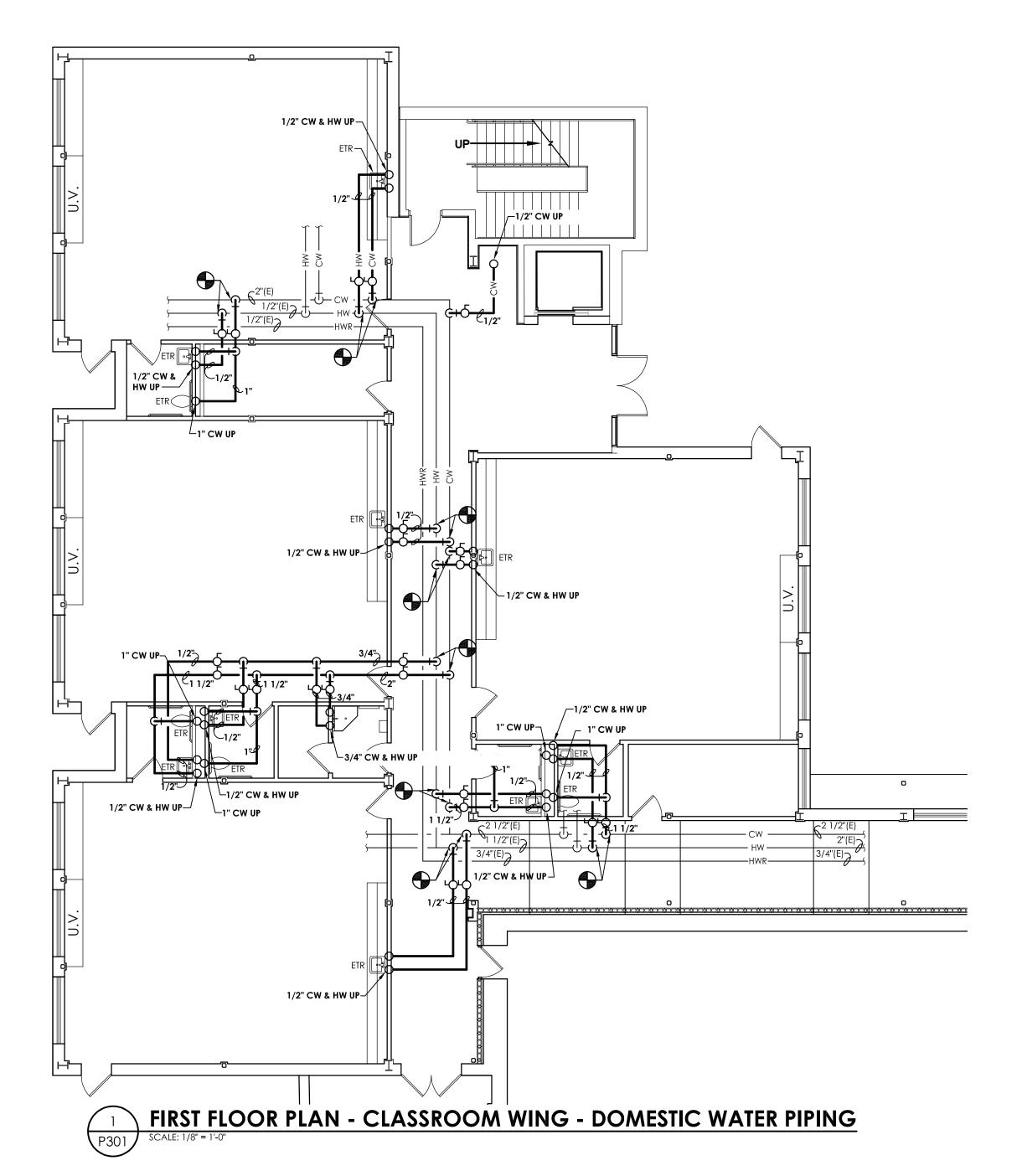


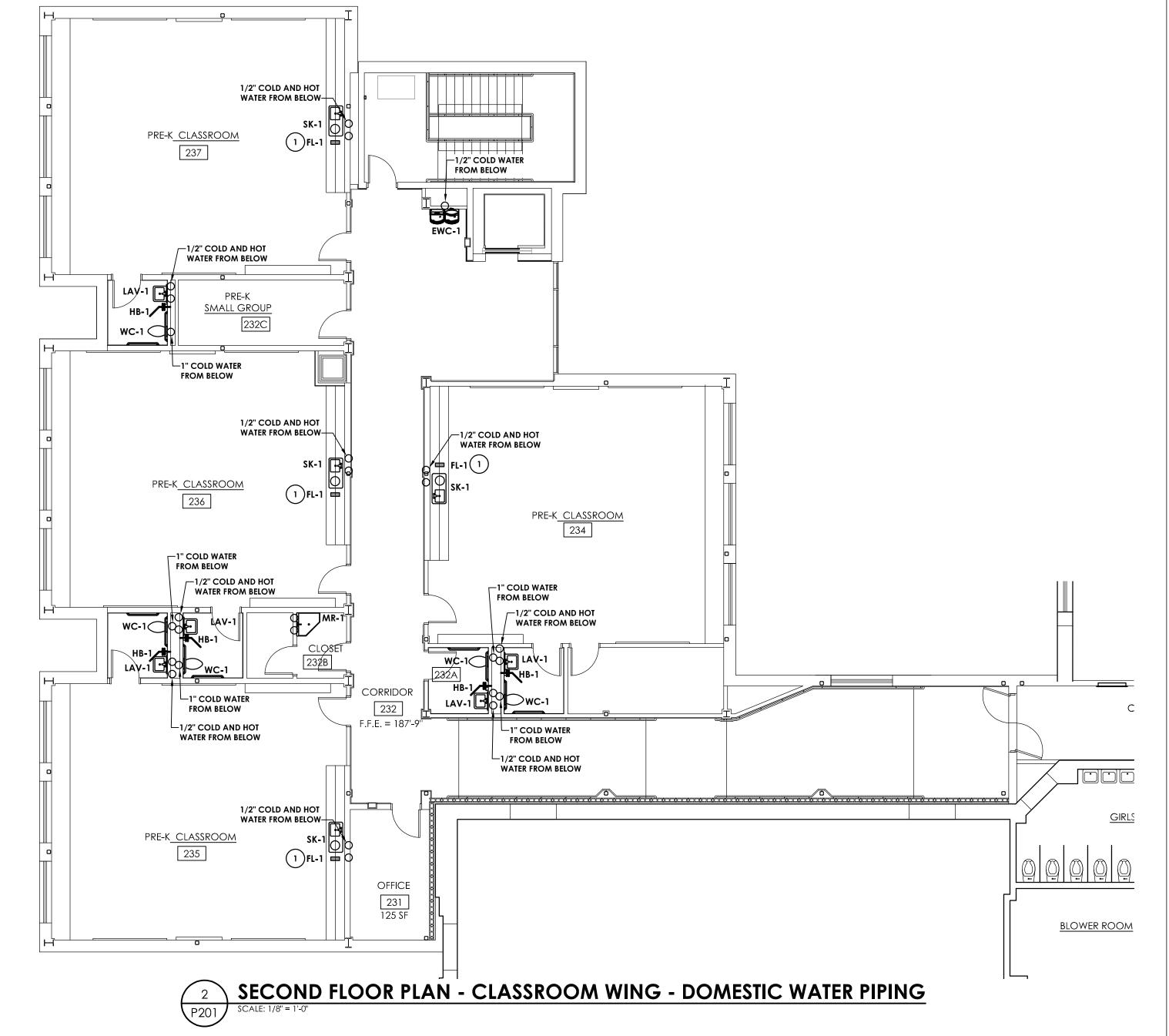
SHEET INFORMATION

09/05/23 as noted Project Status **BID SET** MEW

1ST & 2ND FLOOR PLANS -SANITARY, STORM & VENT PIPING

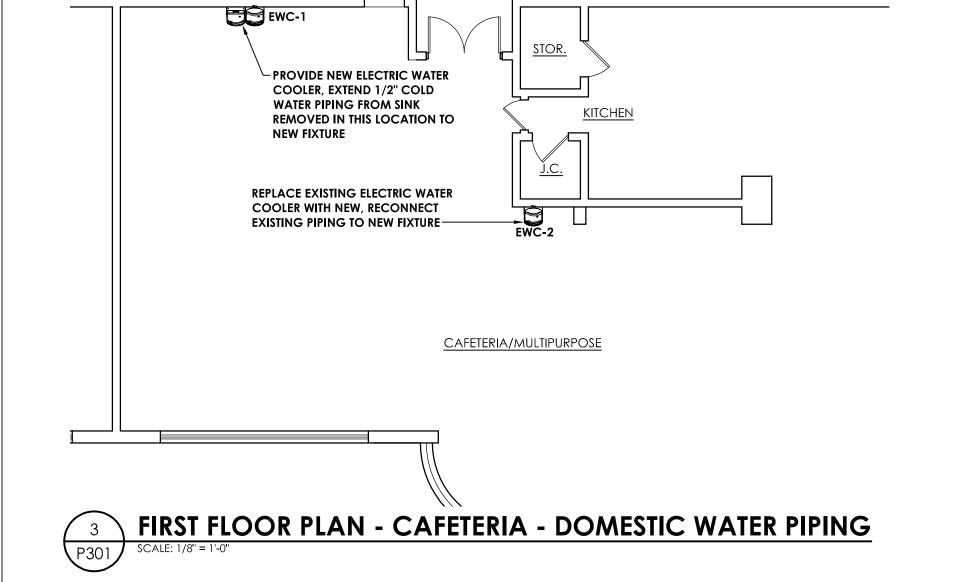
FIRST FLOOR PLAN - CAFETERIA - SANITARY, STORM & VENT PIPING

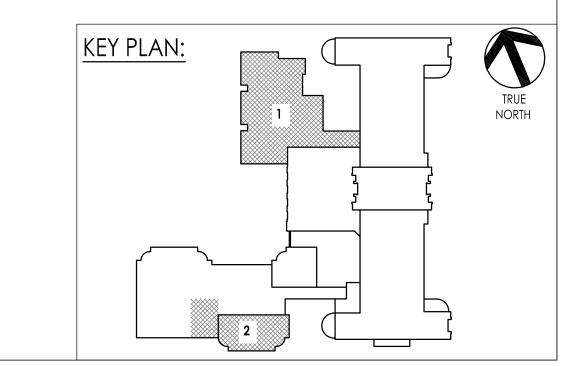


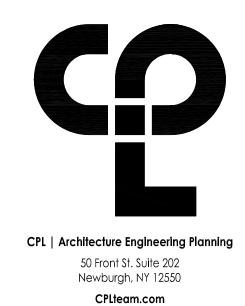


KEY NOTES:

1 COORDINATE THE LOCATION OF THE FILTER MOUNTING BOX IN ADJOINING BASE CABINET SO THE FILTER IS EASILY ACCESSIBLE FOR MAINTENANCE. ROUTE DISCHARGE OF FILTER TO BUBBLER AND FAUCET SUPPLY.







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09/05/23 AS NOTED
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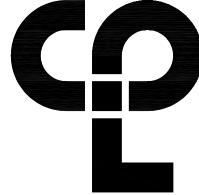
1ST & 2ND FLOOR PLANS DOMESTIC WATER PIPING

PES P301

KEY NOTES:

1 DISCONNECT EXISTING GAS SUPPLY PIPING TO ROOF TOP MECHANICAL EQUIPMENT, PROVIDE NEW SHUT OFF VALVE AND GAS SUPPLY PIPING WITH DRIP LEG TO NEW ROOF TOP MECHANICAL EQUIPMENT, EXTEND PIPING AS NECESSARY TO ACCOMMODATE NEW EQUIPMENT GAS CONNECTION.

Q GAS PIPING TO HAVE SUPPORT AT EVERY CHANGE IN DIRECTION AND MAXIMUM DISTANCE OF 10' APART.



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ROOF PLAN - CAFETERIA WING -GAS PIPING

KEY PLAN:

REMARKS

- 1. ALL ACCESSIBLE EQUIPMENT/FIXTURES TO BE INSTALLED PER ADA REQUIREMENTS.
- SIZED PER PLAN.
- 3. SENSOR OPERATED VALVES TO BE BATTERY POWERED.
- 4. FLOOR DRAIN TO INCLUDE TRAP PRIMER.
- 5. INCLUDE INLINE DOUBLE CHECK VALVE ON COLD AND HOT WATER SUPPLY TO MOP RECEPTOR FAUCET.
- 6. PROVIDE OWNER WITH A TOTAL OF FIVE (5) REPLACEMENT FILTERS AT COMPLETION OF PROJECT.

GENERAL PLUMBING EQUIPMENT & FIXTURE COMMENT

A. PLUMBING CONTRACTOR SHALL PROVIDE ALL RISERS, CARRIERS, P-TRAPS, STOPS, STRAINERS, TAIL PIECES, DRAINS, ETC. REQUIRED TO HAVE A COMPLETE INSTALLATION.

	SUMP PUMP SCHEDULE												
MARK	LOCATION	ARRANGEMENT	GPM	HEAD (FT)	MAX SOLIDS	MOTOR RPM HP VOLTS PHASE			STARTER	TYPE	DESIGN EQUIPMENT	REMARKS	
SP-1	ELEVATOR SUMP PIT	SIMPLEX SUBMERSIBLE	50	23	3/8"	3600	3/4	115	1	FLOATS	SUMP LIBERTY PUMPS ELV290-VS		1, 2

CONTROL PANEL NOT TO BE

WITH DRAWINGS, PROVIDE

MULTI-PIN CONNECTOR ——

-ELEVATOR

FULL-OPEN

GAS PIPING BY PLUMBING

CONTRACTOR-

PLUG VALVE

GAS TRAP-

TYPICAL GAS CONNECTION DETAIL

GATE VALVE

INSTALLED IN ELEVATOR MACHINE

ROOM. COORDINATE LOCATION

NECESSARY CORD/CONDUIT —

(7)

HIGH LEVEL FLOAT

PUMP ON FLOAT

LEQUIPMENT

MINIMUM PIT SIZE 24"x24"x36"

─ELECTRIC OUTLET,

∠POWER SUPPLY

- MULTI-PIN CONNECTOR AND CORD IN CONDUIT

(1) SUBMERSIBLE EFFLUENT PUMP, 50GPM, 115 VOLT, 2" DISCHARGE CONNECTION.

BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE

TO OIL IN PIT, HIGH AMPERAGE OR HIGH LIQUID CONDITION. PROVIDE

(4) JUNCTION BOX TO BE PROVIDED WITH MULTI-PIN CONNECTOR AND CORD

SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL

IN LENGTHS AS REQUIRED TO ACCOMMODATE CONTROL PANEL LOCATION.

COORDINATE LENGTH WITH STANDARD CORD LENGTHS PROVIDED BY MANUFACTURER.

(3) 115 VOLT OIL SENSING PROBE/PUMP CONTROL PANEL WITH OPTIONAL

HAVE ADDITIONAL CONTACT FOR REMOTE ALARM LOCATION.

(5) ANY BURIED PUMP PRESSURE DISCHARGE PIPING SHALL BE PROTECTED

(6) OIL-SENSING POWER CABLE, PROBE AND FLOAT CABLE (ALL 16' LONG).

(7) HIGH LIQUID ALARM FLOAT WITH CLAMP DEVICE TO MOUNT TO PUMP

WITH TAPECOAT CT CORROSION PROTECTION TAPE.

DISCHARGE PIPING (16' LONG).

MULTI-PIN CONNECTOR

KEY NOTES:

2 CHECK VALVE

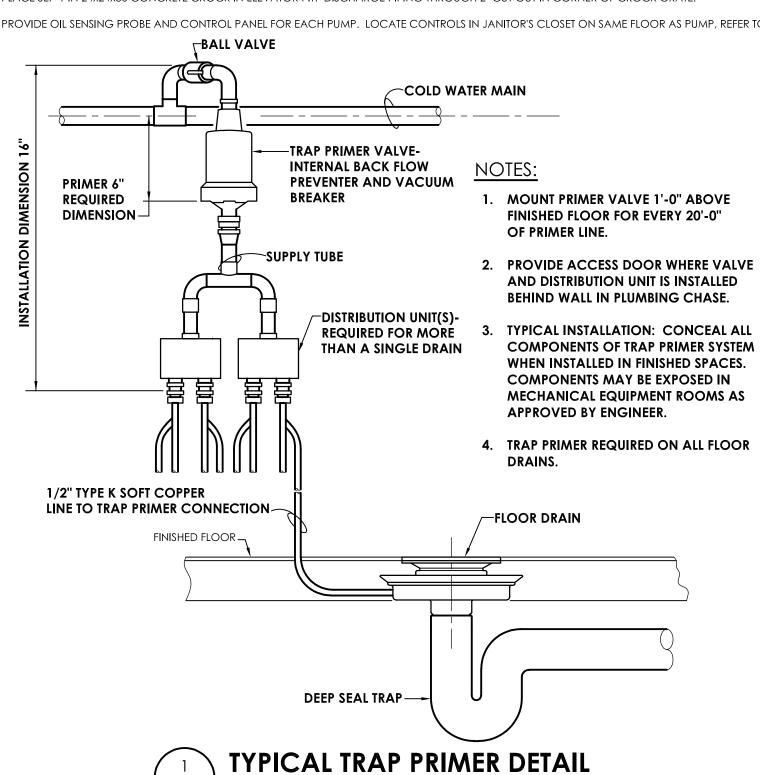
ELEVATOR SUMP PUMP INSTALLATION DETAIL

NOT IN PLUMBING

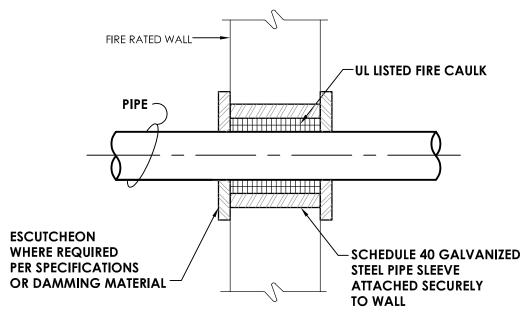
REMARKS

1. PLACE SEP-1 IN 24x24x36 CONCRETE CROCK IN ELEVATOR PIT. DISCHARGE PIPING THROUGH 2" CUT OUT IN CORNER OF CROCK GRATE.

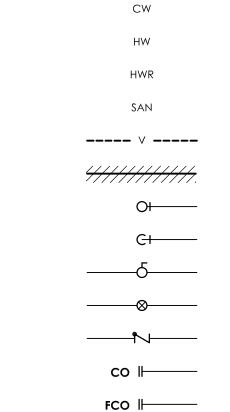
2. PROVIDE OIL SENSING PROBE AND CONTROL PANEL FOR EACH PUMP. LOCATE CONTROLS IN JANITOR'S CLOSET ON SAME FLOOR AS PUMP, REFER TO PLAN.











PLUMBING LEGEND

I LOMBINO	LLOLIND
xx	PIPING
xx	PIPING BELOW GRADE
xx	EXISTING PIPING
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATI
SAN	SANITARY SEWER
v	VENT
<i>/////////////////////////////////////</i>	PLUMBING TO BE REMOV
O l	ELBOW - TURNED UP
C l	ELBOW - TURNED DOWN
—-δ—-	BALL VALVE
	BALANCING VALVE
──	CHECK VALVE
co I——	CLEAN OUT
FCO ⊩	FLOOR CLEAN OUT
wco ⊩	WALL CLEAN OUT

HOSE BIBB

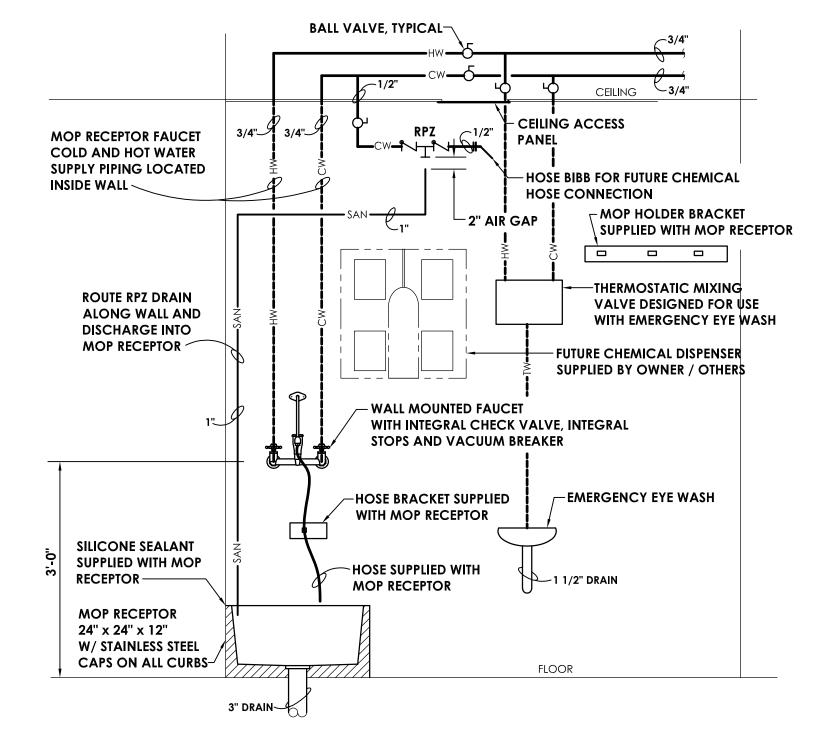
FLOOR DRAIN

WATER HAMMER ARRESTER

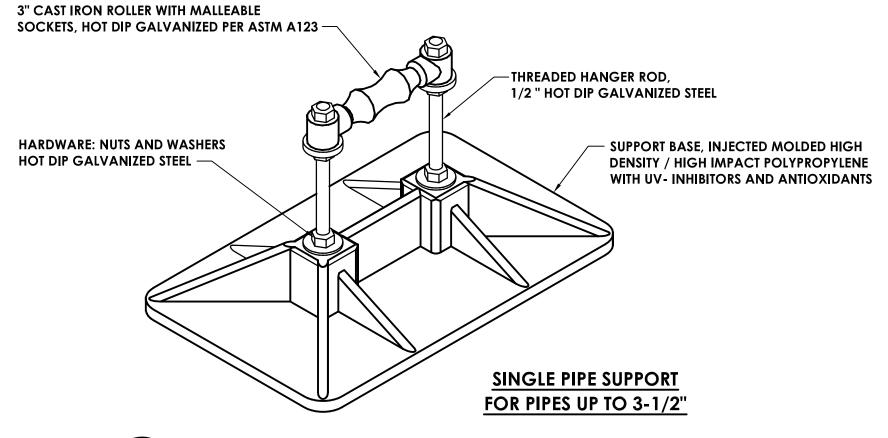
POINT OF CONNECTION

GENERAL SPECIFICATION NOTES:

- A. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODES.
- B. DOMESTIC WATER LINES SHALL BE TYPE L COPPER, LEAD FREE JOINTS. INSULATE ALL PIPING WITH PREFORMED FIBERGLASS PIPE INSULATION WITH ASJ COVER SIZED PER ENERGY CODE. ALL FITTINGS AND VALVES TO BE COVERED WITH PREFORMED PVC FITTING COVERS. ALL EXPOSED VERTICAL FIXTURE SUPPLY LINES TO BE COVERED WITH PVC JACKET TO 7' ABOVE FINISHED FLOOR.
- C. UNDERGROUND SANITARY AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON, HUB AND SPIGOT WITH RUBBER GASKET PUSH JOINTS. ABOVE GROUND SANITARY AND VET PIPING SHALL BE DWV COPPER WITH DWV COPPER FITTINGS OR NO-HUB CAST IRON.
- D. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.
- E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION. ANY CEILING SYSTEM COMPONENT DAMAGED DURING DEMOLITION, STORAGE, OR RE-INSTALLATION SHALL BE REPLACED WITH A NEW AT NO EXPENSE TO THE OWNER.
- F. ALL PIPING AND CONDUIT PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPING.
- G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PATCH AND FINISH ALL EXISTING PIPE PENETRATIONS AND TRENCHING THRU FLOOR AND WALLS AFTER DEMOLITION. IN ADDITION, ALL NEW PENETRATIONS AND TRENCHING SHALL BE PROVIDED FOR INSTALLATION OF PLUMBING SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, PIPING, ETC.
- H. UNLESS OTHERWISE INDICATED ON PLANS, PROVIDE WATER HAMMER ARRESTORS ON BRANCH PIPING TO EACH TOILET ROOM, LAUNDRY ROOM, SOLENOID VALVE, OR AS OTHERWISE REQUIRED BY CODE.











50 Front St. Suite 202

Newburgh, NY 12550

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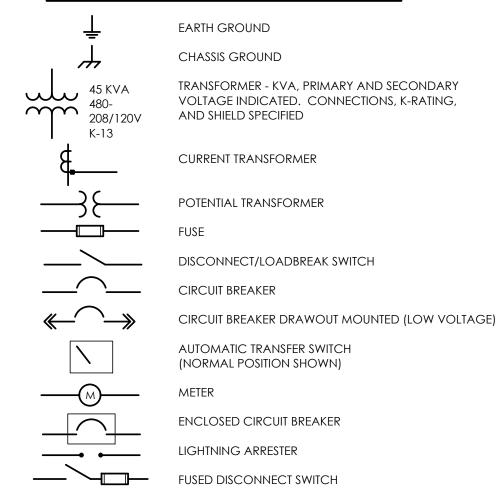
SHEET INFORMATION

ssued 09/05/23 **AS NOTED** Proiect Status **BID SET**

Drawn By Checked By MEW JJW Drawing Title

PLUMBING DETAILS & SCHEDULES

SINGLE LINE DIAGRAM LEGEND:



PANELBOARD-

PANEL

208-120V

225A

RATINGS AS SPECIFIED IN SINGLE LINE

DIAGRAM AND ON PANELBOARD SCHEDULE

TELEPHONE

COMMUNICATIONS LEGEND:

(1) CAT6 - TELEPHONE JACK & CABLE

(NONE) STANDARD MODULAR JACK FOR TELEPHONE

W WALL MOUNTED TELEPHONE MODULAR JACK P PUBLIC TELEPHONE MODULAR JACK

C COUNTER HEIGHT MODULAR JACK

TELEPHONE FLOOR OUTLET (1) CAT6 - TELEPHONE JACK & CABLE

DATA OUTLET WITH FLUSH BOX AND FACEPLATE (1) CAT6 - DATA JACK & CABLE

COMPUTER FLOOR OUTLET (1) CAT6 - DATA JACK & CABLE

COMBINATION TELEPHONE CABLE AND DATA OUTLETS IN DOUBLE GANG FLUSH MOUNTED BOX WITH FACEPLATE

WIRELESS TRANSMITTER (PROVIDED BY OWNER)

CONTRACTOR TO PROVIDE (2) CAT6 DATA JACKS & CABLING

BACK BOX FOR OWNER PROVIDED TEL/COM WIRING & DEVICES

DATA RACK

COAX CABLE (TYPE F CONNECTOR)

CEILING MOUNT LCD PROJECTOR

SPEAKER (PUBLIC ADDRESS)

(NONE) CEILING MOUNTED

W WALL MOUNTED

SPEAKER (LOCAL SOUND SYSTEM)

SPEAKER HORN

MICROPHONE JACK

SPEAKER JACK

VOLUME CONTROL

CLOCK DOUBLE FACE CLOCK

COMBINATION CLOCK AND SPEAKER

INTERCOM STATION

REMOTE PRE-AMPLIFIER AND PAGING MICROPHONE

CONSOLE JACK

HOUSE LIGHT CONTROL STATION

WALL BOX AS SPECIFIED

FLOOR BOX

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

FIRE/LIFE SAFETY LEGEND:

FIRE ALARM PULL STATION

FIRE ALARM BELL

FIRE ALARM HORN

FIRE ALARM HORN AND STROBE COMBINATION

FIRE ALARM HORN AND STROBE COMBINATION, WEATHER PROOF

FIRE ALARM SPEAKER

FIRE ALARM SPEAKER - CEILING MOUNTED

FIRE ALARM SPEAKER AND STROBE COMBINATION

FIRE ALARM STROBE - CEILING MOUNTED

SMOKE DETECTOR

SMOKE DETECTOR WITH GUARD

CARBON MONOXIDE DETECTOR

NATURAL GAS SENSOR HEAT DETECTOR

COMBINATION SMOKE/HEAT DETECTOR

HEAT DETECTOR - 190° FIXED TEMPERATURE

HEAT DETECTOR - EXPLOSION PROOF

BEAM SMOKE DETECTOR TRANSMITTER BEAM SMOKE DETECTOR RECEIVER

DUCT DETECTOR

SA INDICATES INSTALLATION IN SUPPLY AIR RA INDICATES INSTALLATION IN RETURN AIR

REMOTE TEST STATION FOR DUCT DETECTOR

FIRE ALARM SHUT DOWN RELAY

FIRE DOOR HOLD OPEN

TAMPER SWITCH

FIRE SUPRESSION ANSUL SYSTEM CONNECTION

SMOKE DAMPER RELAY CONNECTION

SD/FD SMOKE DAMPER AND FIRE DAMPER SD SMOKE DAMPER

CONTROL MODULE, ADDRESSABLE AREA OF RESCUE CALL STATION

AREA OF RESCUE MASTER TELEPHONE STATION

SECURITY LEGEND:

SECURITY KEY PAD

VIDEO CAMERA

CCTV VIDEO MONITOR

PASSIVE INFRARED MOTION DETECTOR

PROXIMITY CARD READER

CALL SWITCH

DOOR CONTACT

WINDOW CONTACT

ELECTRIC STRIKE DOOR RELEASE

MAGNETIC DOOR RELEASE

NURSE CALL LEGEND:

NURSE CALL BUTTON

NURSE CALL PATIENT BED STATION

CODE CALL BUTTON

NURSE CALL STAFF ASSIST STATION

NURSE CALL STAFF STATION

NURSE CALL DUTY/STAFF STATION

NURSE CALL DUTY STATION NURSE CALL LIGHT

NURSE CALL CODE LIGHT

NURSE CALL ZONE LIGHT

NURSE CALL MASTER STATION

NURSE CALL EMERGENCY PULL STATION

NURSE CALL INFRARED SENSOR

LIGHT FIXTURE LEGEND:

LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE FOR LETTER

DESIGNATION AND DESCRIPTION OF FIXTURES)

EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXTURE

EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)

BATTERY POWERED EMERGENCY LIGHT

EMERGENCY LIGHT REMOTE HEAD

TRACK LIGHTING POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN) \Box

 \bigcirc S OCCUPANCY SENSOR - CEILING MOUNTED **VS** VACANCY SENSOR - CEILING MOUNTED

OSW OCCUPANCY SENSOR - WALL MOUNTED

LC LIGHTING CONTACTOR

PHOTOCELL

LV LOW VOLTAGE 1-4 BUTTON STATION

(CONNECT TO LIGHTING CONTROL STATION) OCCUPANCY SENSOR SWITCH

DIMMER (INCANDESCENT) THREE WAY DIMMER (INCANDESCENT) DF DIMMER (FLUORESCENT) V VACANCY SENSOR SWITCH

REMOTE TEST STATION FOR EMERGENCY LIGHTING

PANEL LEGEND:

EXISTING ELECTRICAL PANEL

NEW ELECTRICAL PANEL

MDP MAIN DISTRIBUTION PANEL LVP LOW VOLTAGE PANEL HVP HIGH VOLTAGE PANEL

> LP LIGHTING CONTROL PANEL IG ISOLATED GROUND PANEL MSB MAIN SWITCH BOARD MCC MOTOR CONTROL CENTER

TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION

AUTOMATIC TRANSFER SWITCH

ELECTRICAL SYSTEMS PANEL

SACP SECURITY ALARM CONTROL PANEL FACP FIRE ALARM CONTROL PANEL PA PUBLIC ADDRESS CONTROL PANEL

FAAP FIRE ALARM ANNUNCIATOR PANEL

ELECTRICAL PANELBOARD LABELING PLACARD

LINE 3 - WHERE PANELBOARD IS FED FROM: FF MSB BREAKER #14 (EXAMPLE)

LINE 1 - PANELBOARD NAME: PP1 (EXAMPLE) LINE 2 - VOLTAGE AND PHASE:480/277V-3PH-4W (EXAMPLE)

GENERAL ELECTRICAL NOTES:

1) HATCHED AREAS //// DESIGNATE EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED.

2) ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70).

3) CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.

BUILDING:

4) INSTALLATION HEIGHT TO CENTER OF EQUIPMENT ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED TO BE: RECEPTACLE = 18"

SWITCH = 44" MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52" MODULAR TELEPHONE JACK = 18" AUDIO/VISUAL FIRE ALARM INDICATORS = 88"

FIRE ALARM PULL STATIONS = 48" TELEVISION OUTLET = 7'-0" COMPUTER OUTLET = 18"

CALL SWITCH = 44"

REMOTE TEST STATION FOR DUCT DETECTOR = 52" C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.

5) INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE

THERE IS AN ACCESSIBLE CEILING. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS. 6) ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE

NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.

7) ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.

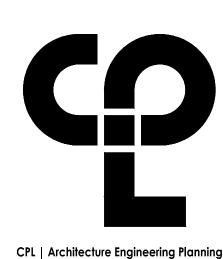
8) CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

9) ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

10) UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHERWISE NOTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. COMBINED NEUTRALS ARE NOT PERMITTED.



50 Front St. Suite 202

Newburgh, NY 12550

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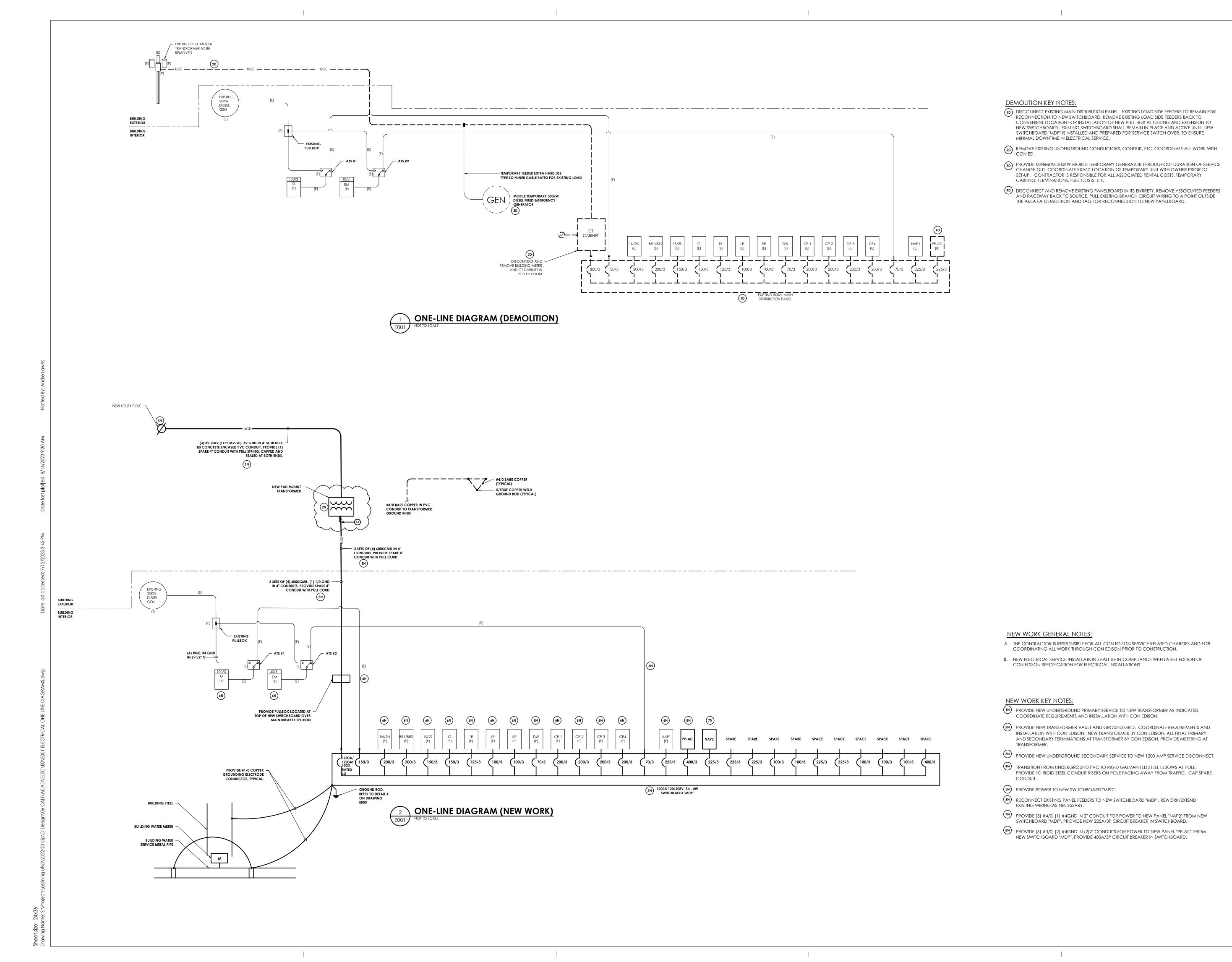
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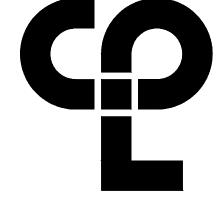
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Symbols

Drawing Number





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50 Front St. Suite 202
Newburgh, NY 12550
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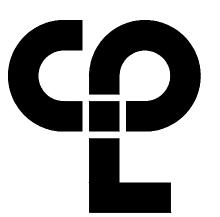
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Drawing Title

ELECTRICAL ONE LINE DIAGRAMS

PES





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50 Front St. Suite 202
Newburgh, NY 12550
CPLteam.com

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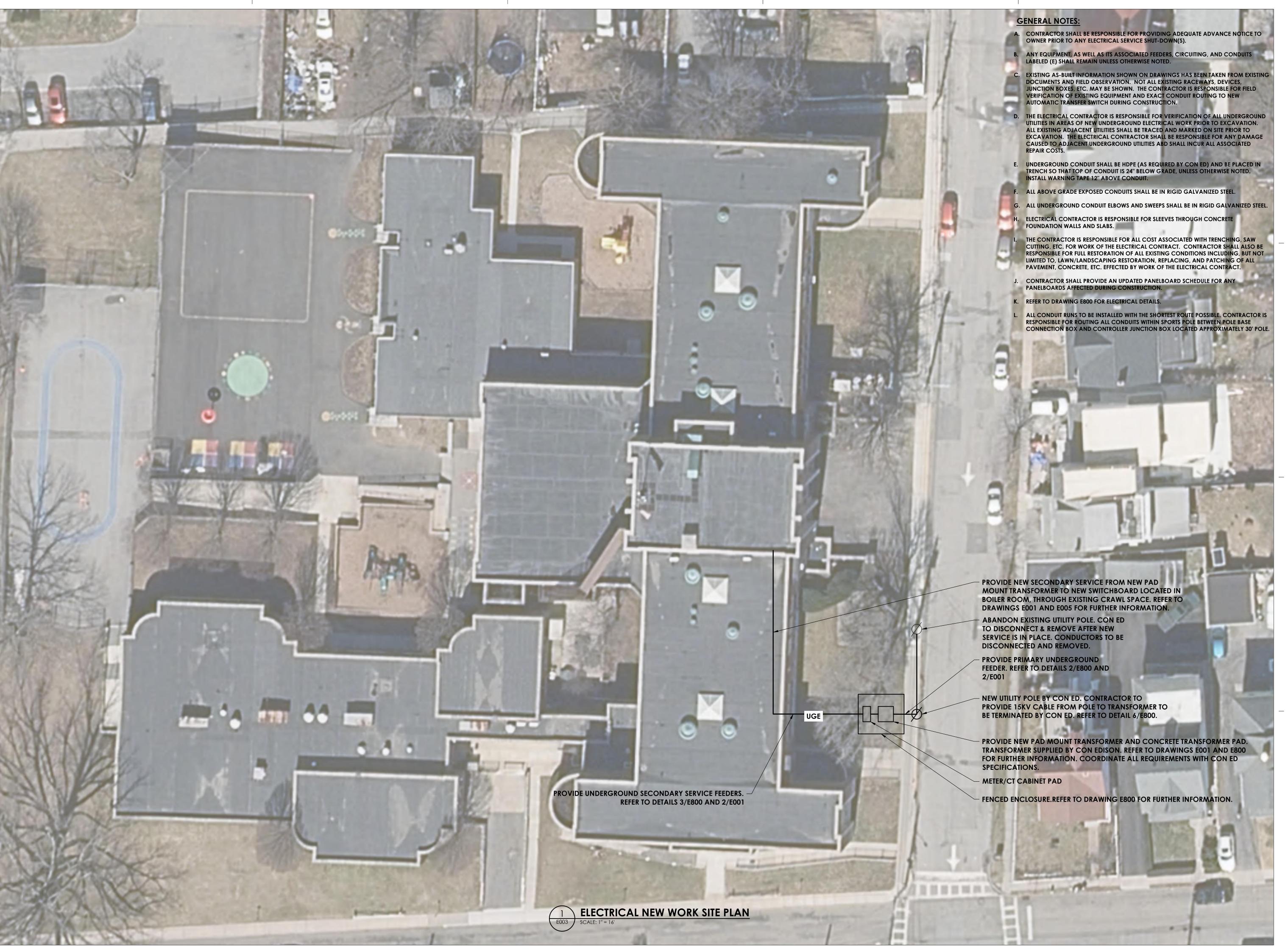
 Project Status

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ELECTRICAL DEMOLITION SITE PLAN

PES



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PROFESSIONAL STAMPS

09/05/23 as shown Project Status **BID SET**

ELECTRICAL NEW WORK SITE

PLAN

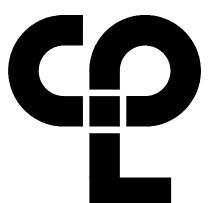
BOILER ROOM - ELECTRICAL DEMOLITION PLAN

GENERAL DEMOLITION NOTES:

- A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.
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- H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
- I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.
- J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

DISCONNECT AND REMOVE EXISTING MAIN DISTRIBUTION PANEL. EXISTING LOAD SIDE FEEDERS TO REMAIN FOR RECONNECTION TO NEW SWITCHBOARD. REMOVE EXISTING LOAD SIDE FEEDERS BACK TO CONVENIENT LOCATION FOR RECONNECTION TO NEW SWITCHBOARD. REMOVE EXISTING UNDERGROUND INCOMING SECONDARY FEEDERS. EXISTING SWITCHBOARD SHALL REMAIN IN PLACE AND ACTIVE UNTIL NEW SWITCHBOARD "MDP" IS INSTALLED AND PREPARED FOR SERVICE SWITCH OVER, TO ENSURE MINIMAL DOWNTIME IN ELECTRICAL SERVICE. SEE SHEETS E001 AND E005 FOR ADDITIONAL INFORMATION.



CPL | Architecture Engineering Planning
50 Front St. Suite 202
Newburgh, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

District Office Address

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFIR TO THE ITEM THER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THE RISCHAULTER OF THE DATE OF SUCK ALTERATION AND A SPECIFIC DESCRIPTION OF T

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BOILER ROOM ELECTRICAL DEMOLITION PLAN

PES F004

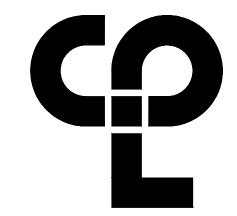
KEY PLAN:

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- A. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATIONS AND AS-BUILT DOCUMENTATION.
- B. (E) EXISTING TO REMAIN. ANY DEVICE EQUIPMENT, ETC. LABELED AS "(E)" IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- C. (RL) RELOCATED.ANY DEVICE EQUIPMENT, ETC. LABELED AS "(RL)" IS RELOCATED EXISTING. DEVICE/EQUIPMENT SHALL BE RE-INSTALLED AT LOCATION INDICATED. REWORK/EXTEND WIRING AND CONDUIT TO NEW LOCATION AS REQUIRED.
- D. REVISE PANEL DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS.

KEY NOTES:

- INSTALL NEW 1200A, 120/208V, 3P, 4W SWITCHBOARD "MDP". PROVIDE (4) SETS OF (4) #600KCMIL, (1) 1/0 GND IN (3) 4" CONDUIT TO NEW SWITCHBOARD "MDP". PROVIDE 1200A/3P MAIN CIRCUIT BREAKER IN NEW SWITCHBOARD "MDP". EXISTING SWITCHBOARD SHALL REMAIN IN PLACE AND ACTIVE UNTIL NEW SWITCHBOARD "MDP" IS INSTALLED AND PREPARED FOR SERVICE SWITCH OVER, TO ENSURE MINIMAL DOWNTIME IN ELECTRICAL SERVICE. SEE SHEETS E001 AND E004 FOR ADDITIONAL INFORMATION..
- 2 RECONNECT EXISTING LOAD SIDE FEEDERS DISCONNECTED DURING DEMOLITION. REWORK/EXTEND WIRING AS NECESSARY.



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BOILER ROOM ELECTRICAL NEW WORK PLAN

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KEY PLAN:
TRUE
NORTH

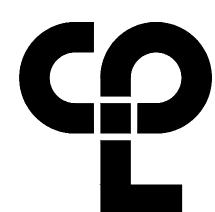
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KEY NOTES:

DISCONNECT AND REMOVE EXISTING CABINET UNIT HEATER IN ITS ENTIRETY. REMOVE CONDUIT AND WIRING BACK TO SOURCE PANEL.

KEY PLAN:



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50 Front St. Suite 202
Newburgh, NY 12550
CPLteam.com

PROJECT INFORMATION

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PROJECT ISSUE & REVISION SCHEDULE

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SHEET INFORMATION

Issued Scale

09/05/23 AS SHOWN

Project Status
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Drawn By Checked By
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Drawing Title
FIRST FLOOR AREA 1 ELECTRICAL
DEMOLITION PLAN

PES F100

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175 SF

1/1

171

SPECIAL EDU 8:1:3)

115

406 SF

1070 SF

PRE-K

CLASSROOM (DL S.A.) 119 845 SF

- **KEY NOTES:** 1) DISCONNECT AND REMOVE EXISTING 2'X4' LIGHTING FIXTURES. PULL WIRING TO A POINT OUTSIDE THE AREA OF DEMOLITION AND TAG CIRCUITRY FOR RE-USE.
- 2) DISCONNECT AND REMOVE EXISTING SURFACE 2-CHANNEL RACEWAY WITH RECEPTACLES AND DATA JACK. PULL WIRING TO A POINT OUTSIDE THE AREA OF DEMOLITION AND TAG CIRCUITRY

 6

 DISCONNECT AND REMOVE EXISTING SMARTBOARD AND FOR RE-USE. TURN EQUIPMENT OVER TO OWNER.
- $\stackrel{\textstyle (3)}{}$ TEMPORARILY PROTECT AND SUPPORT EXISTING DEVICE IN PLACE TO ACCOMMODATE CEILING REPLACEMENT. DEVICE TO BE INSTALLED IN NEW CEILING AT SAME LOCATION.

LIBRARY

1270 SF

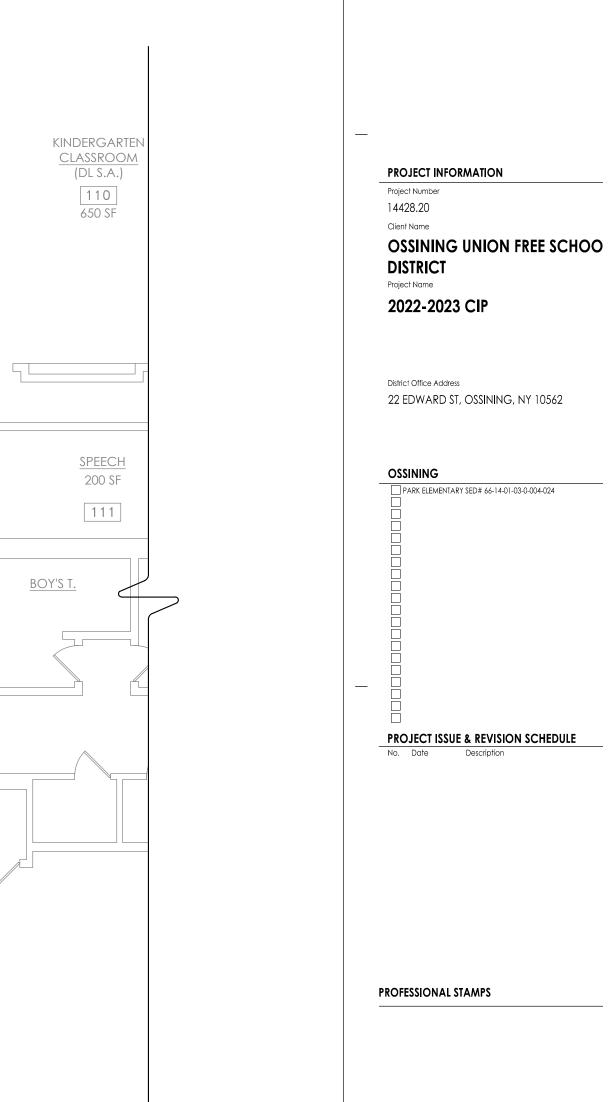
- (4) DISCONNECT AND REMOVE EXISTING CAMERA. PULL WIRING TO A POINT OUTSIDE THE AREA OF DEMOLITION, TAG CIRCUITRY AND STORE DEVICE FOR RE-USE.
- (5) DISCONNECT AND REMOVE EXISTING WALL MOUNTED DATA RACK. PULL ALL WIRING BACK TO SOURCE AND STORE EQUIPMENT FOR RELOCATION. SEE SHEET PES-E201 FOR PROPOSED INSTALLATION LOCATIONS. COORDINATE NEW LOCATION WITH OWNER, PRIOR TO REINSTALLATION.
- ASSOCIATED CONDUIT/WIRING BACK TO SOURCE PANEL.
- DISCONNECT AND REMOVE EXISTING PANELBOARD IN ITS ENTIRETY. REMOVE ASSOCIATED FEEDERS AND RACEWAY BACK TO SOURCE. PULL EXISTING BRANCH CIRCUIT WIRING TO A POINT OUTSIDE THE AREA OF DEMOLITION AND TAG FOR RECONNECTION TO NEW PANELBOARD.
 - (8) DISCONNECT AND REMOVE EXISTING CEILING DEVICE. PULL WIRING TO A POINT OUTSIDE THE AREA OF DEMOLITION AND TAG FOR RE-USE. DEVICE TO BE REINSTALLED IN NEW CEILING AT SAME

OPEN COURTYARD

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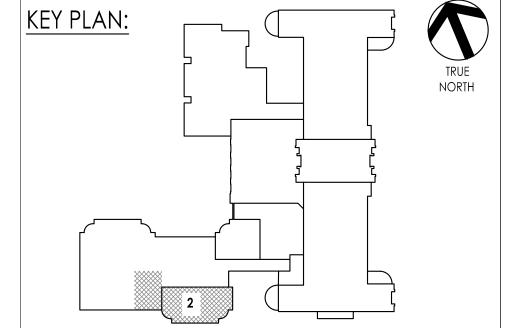


CAFFETERIA - ELECTRICAL DEMOLITION PLAN

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CLASSROOM

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SHEET INFORMATION 09/05/23 **AS SHOWN**

FIRST FLOOR AREA 2 ELECTRICA

DEMOLITION PLAN

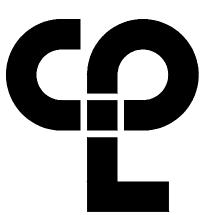


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KEY NOTES:

- DISCONNECT AND REMOVE EXISTING EXHAUST FAN. PULL ALL WIRING TO A POINT OUTSIDE OF THE AREA OF THE DEMOLITION AND TAG FOR RE-USE.
- 2 DISCONNECT AND REMOVE EXISTING DUCTLESS SPLIT CONDENSING UNIT. PULL ALL WIRING TO A POINT OUTSIDE OF THE AREA OF THE DEMOLITION AND TAG FOR RE-USE. STORE EQUIPMENT FOR RELOCATION.



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PROJECT INFORMATION

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PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

PLAN:

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NEW YORK STATE EDUCATION STATEMENT

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ROOF AREA 1 ELECTRICAL

DEMOLITION PLAN

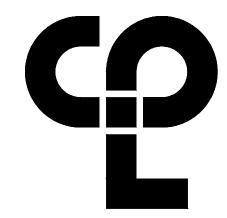
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- H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
- I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.
- J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

- DISCONNECT AND REMOVE EXISTING ROOF TOP UNIT IN ITS ENTIRETY. REMOVE ALL WIRING AND CONDUIT BACK TO SOURCE
- 2 DISCONNECT AND REMOVE EXISTING EXHAUST FAN IN ITS ENTIRETY.
 REMOVE ALL WIRING AND CONDUIT BACK TO SOURCE PANEL.



CPL | Architecture Engineering Planning
50 Front St. Suite 202
Newburgh, NY 12550
CPLteam.com

PROJECT INFORMATION

14428.20

Project Number

OSSINING UNION FREE SCHOO DISTRICT

Project Name

2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE INEW YORK STATE EDUCATION LAW AND THE COMMISSION REGULATIONS FOR ANY PERSON, JUNESS ACTING UNDER THE DIRECTION OF A LICER ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN'T BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALT PARTY SHALL AFFEK TO THE ITEM THES SEAL AND THE NOTATION "ALTERED BY" FOLD.

SHEET INFORMATION

Issued Scale
09/05/23 AS SHOWN

KEY PLAN:

Issued
09/05/23
Project Status
BID SET
Drawn By

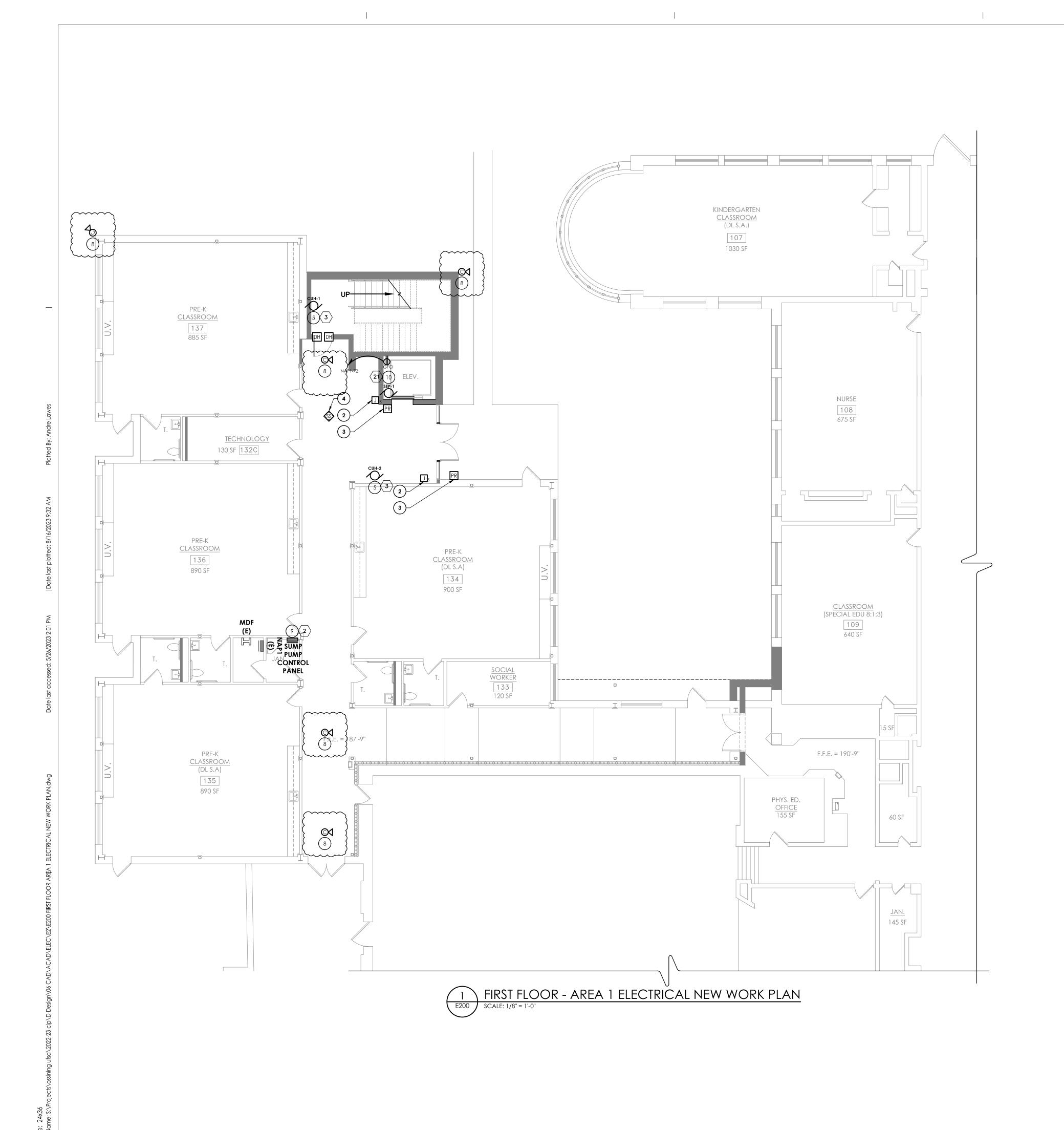
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ROOF AREA 2 ELECTRICAL DEMOLITION PLAN

> PES F103



ROOF AREA 2 ELECTRICAL DEMOLITION PLAN

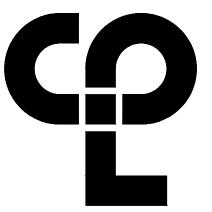


- A. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATIONS AND AS-BUILT DOCUMENTATION.
- B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.
- C. DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
- D. (E) EXISTING TO REMAIN. ANY DEVICE EQUIPMENT, ETC. LABELED AS "(E)" IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- E. (RL) RELOCATED.ANY DEVICE EQUIPMENT, ETC. LABELED AS "(RL)" IS RELOCATED EXISTING. DEVICE/EQUIPMENT SHALL BE RE-INSTALLED AT LOCATION INDICATED. REWORK/EXTEND WIRING AND CONDUIT TO NEW LOCATION AS REQUIRED.
- F. ALL NEW FAN SHUTDOWN RELAYS SHALL BE PROGRAMMED TO DE-ENERGIZE ASSOCIATED HVAC UNIT FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.
- G. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-ARE AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5'-0" SPACING.
- H. REVISE PANEL DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS.
- I. PROVIDE #10 THNN FOR ALL CIRCUITS OVER 75'.
- J. WIRE ALL RECEPTACLES WITH (2) #12, (1) #12G IN 3/4" CONDUIT.
- K. EQUIPMENT DESIGNATED WITH A NUMBER INSIDE A HEXAGON (🕢) ARE SCHEDULED ON DRAWING PES-E900. REFER TO SCHEDULE FOR REQUIRED BREAKER, WIRING AND LOCATION.

KEY NOTES:

- 1) NOT USED.
- PROVIDE 120-VOLT POWER REQUIRED FOR ELEVATOR ACCESS CONTROL DEVICE. LOW VOLTAGE POWER SUPPLIES TO BE PROVIDED BY ELEVATOR VENDOR. WIRE JUNCTION BOXES TOGETHER WITH (2) #12, (1) #12 GND IN 3/4" CONDUIT AND CONNECT TO DESIGNATED SECURITY BRANCH CIRCUIT FEEDING THE MAIN HALLWAY AREA.
- 3) PROVIDE PROXIMITY READER MOUNTED ON WALL FOR ACCESS CONTROL. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT FROM PROXIMITY CARD READER LOCATION TO A POINT ABOVE FINISHED CEILING IN MAIN HALLWAY AREA. PROVIDE SECURITY ENTRY TOUCH PANEL AT EACH LOCATION INDICATED. PROVIDE ALL NECESSARY CONDUIT/WIRING AND MISCELLANEOUS COMPONENTS FOR FINAL CONNECTION FROM TOUCH PANEL TO EXISTING DAY AUTOMATION SECURITY EQUIPMENT. CONTRACTOR SHALL COORDINATE INSTALLATION WITH SECURITY INTEGRATOR DAY AUTOMATION TO ENSURE A COMPLETE AND WORKING SYSTEM.
- RE-INSTALL EXISTING DEVICE REMOVED DURING DEMOLITION AND RE-CONNECT TO EXISTING TAGGED CIRCUITRY. REWORK/EXTEND WIRING AS NECESSARY.
- 5) PROVIDE POWER CONNECTION TO NEW CABINET UNIT HEATER.
- 6 NOT USED.
- 7) NOT USED.
- 8 PROVIDE AND INSTALL CAT 6 DATA CABLE FOR CONNECTION TO NEW OWNER PROVIDED SECURITY CAMERA. WIRE BACK TO NEAREST DATA CLOSET. COORDINATE FINAL MOUNTING WITH OWNER PRIOR TO INSTALLATION.
- (9) PROVIDE POWER CONNECTION TO SUMP PUMP CONTROL PANEL.
- 10) PROVIDE POWER CONNECTION TO ELEVATOR PIT SUMP PUMP.

KEY PLAN:



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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address 22 EDWARD ST, OSSINING, NY 10562

OSSINING PARK ELEMENTARY SED# 66-14-01-03-0-004-024

 No.
 Date 1
 Description SCH EDULE

 1
 04/07/2023
 SED ADDENDUM #1

PROFESSIONAL STAMPS

SHEET INFORMATION

09/05/23 as shown Project Status **BID SET** Drawn By Checked By

TRUE

FIRST FLOOR AREA 1 ELECTRICAL NEW WORK PLAN

Drawing Number

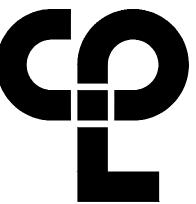
- 1. EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM EXACT LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.
- 2. ALL CLASSROOM RECEPTACLES SHALL BE TAMPER RESISTANT. CONNECT ALL RECEPTACLES TO PANELBOARD AND CIRCUIT INDICATED.
- 3. PROVIDE #10 THNN FOR ALL CIRCUITS OVER 75'.
- 4. WIRE ALL RECEPTACLES WITH (2) #12, (1) #12G IN 3/4" CONDUIT.
- 5. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIRE ALARM DEVICES AND ALL NECESSARY EQUIPMENT TO MAKE A PROPER CONNECTION TO EXISTING SIMPLEX 4100ES FIRE ALARM CONTROL PANEL "FACP" LOCATED IN THE MAIN OFFICE ON THE FIRST FLOOR USING MANUFACTURER'S RECOMMENDED WIRING IN 3/4" E.C. CONTRACTOR SHALL PROVIDE AND EXTEND POWER/DATA FEEDS TO NEW FIRE ALARM DEVICE LOCATION. PROVIDE AND INSTALL ALL EXPANSION CARDS, WIRE/CONDUIT, RELAYS, POWER SUPPLIES, BATTERIES, EXTENDERS, PROGRAMING, MOUNTING HARDWARE, AND JUNCTION BOXES REQUIRED. TYPICAL FOR ALL FIRE ALARM DEVICES.
- 6. CONTRACTOR SHALL PROVIDE, INSTALL AND PROGRAM ALL DEVICES AS REQUIRED FOR VOICE COMMAND NOTIFICATION SYSTEM. ALL SPEAKERS/STROBES LOCATED IN AREA OF NEW DEVICES SHALL SOUND "TEMPORAL 3" FOLLOWED BY "FIRE, FIRE, FIRE, EXIST, EXIT". PROVIDE AND INSTALL ALL EQUIPMENT AS REQUIRED INCLUDING BUT NOT LIMITED TO AMPLIFIERS, DATA LOOPS, POWER SUPPLIES, NETWORK CARDS, EXPANSION CARDS, WIRE, CONDUIT, RELAYS, BATTERIES, AND MOUNTING HARDWARE. BATTERIES SHALL BE SIZED FOR 24 HOURS BACKUP FOLLOWED BY 4 HOURS OF ALARM.
- 7. ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUTDOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE AND NATIONAL CODES, PROVIDE FIRE ALARM SHUTDOWN RELAYS IN EACH NEW UNIT.
- 8. NEW FIRE ALARM SYSTEM INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE COMPATIBLE WITH EXISTING SIMPLEX 4100 FIRE ALARM CONTROL PANEL LOCATED IN BASEMENT. PROVIDE NEW NAC EXTENDER PANEL (WITH SMOKE DETECTOR WITHIN5') IF REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. WIRE NEW NAC PANEL TO NEAREST 120V RECEPTACLE CIRCUIT. PROVIDE WITH BATTERIES.
- 9. FINAL TESTING IF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. AN ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.
- 10. FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- 11. PROVIDE FLUSH MOUNTED CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING P.A. SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WIT OWNER.
- 12. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3-1/2' BUT LESS THAN 4' ABOVE THE FLOOR.
- 13. EACH FIRE ALARM PULL STATION SHALL BE PROVIDED WITH PULL STATION COVER WITH

KEY NOTES:

- PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FOR POWER TO RECEPTACLE FOR EWC-2. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN PANEL "CP1". BREAKER SHALL MATCH PANEL AIC RATING.
- $\binom{2}{2}$ re-install wall mounted data rack and associated network/data equipment REMOVED DURING DEMOLITION. PROVIDE ALL HORIZONTAL AND VERTICAL CABLE MANAGEMENT AND PATCH PANELS AS NECESSARY TO ACCOMMODATE ALL DATA CABLING. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO RE-INSTALLATION.
- (3) RE-INSTALL EXISTING DEVICE SALVAGED DURING DEMOLITION. RE-INSTALL WHERE SHOWN AND EXTEND ASSOCIATED SYSTEMS CABLING TO NEW DEVICE LOCATION.

KEY PLAN:

(4) INSTALL NEW 120/208V, 400A, 3P, 4W PANELBOARD. CONNECT NEW PANELBOARD TO NEW SWITCHBOARD "MDP" . PROVIDE 400A/3P CIRCUIT BREAKER IN NEW SWITCHBOARD. RECONNECT ALL EXISTING ACTIVE BRANCH CIRCUITS TO REPLACEMENT PANEL. SEE SHEET E001 FOR MORE INFORMATION.



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PROJECT INFORMATION

OSSINING UNION FREE SCHOOL

14428.20

DISTRICT

2022-2023 CIP

District Office Address

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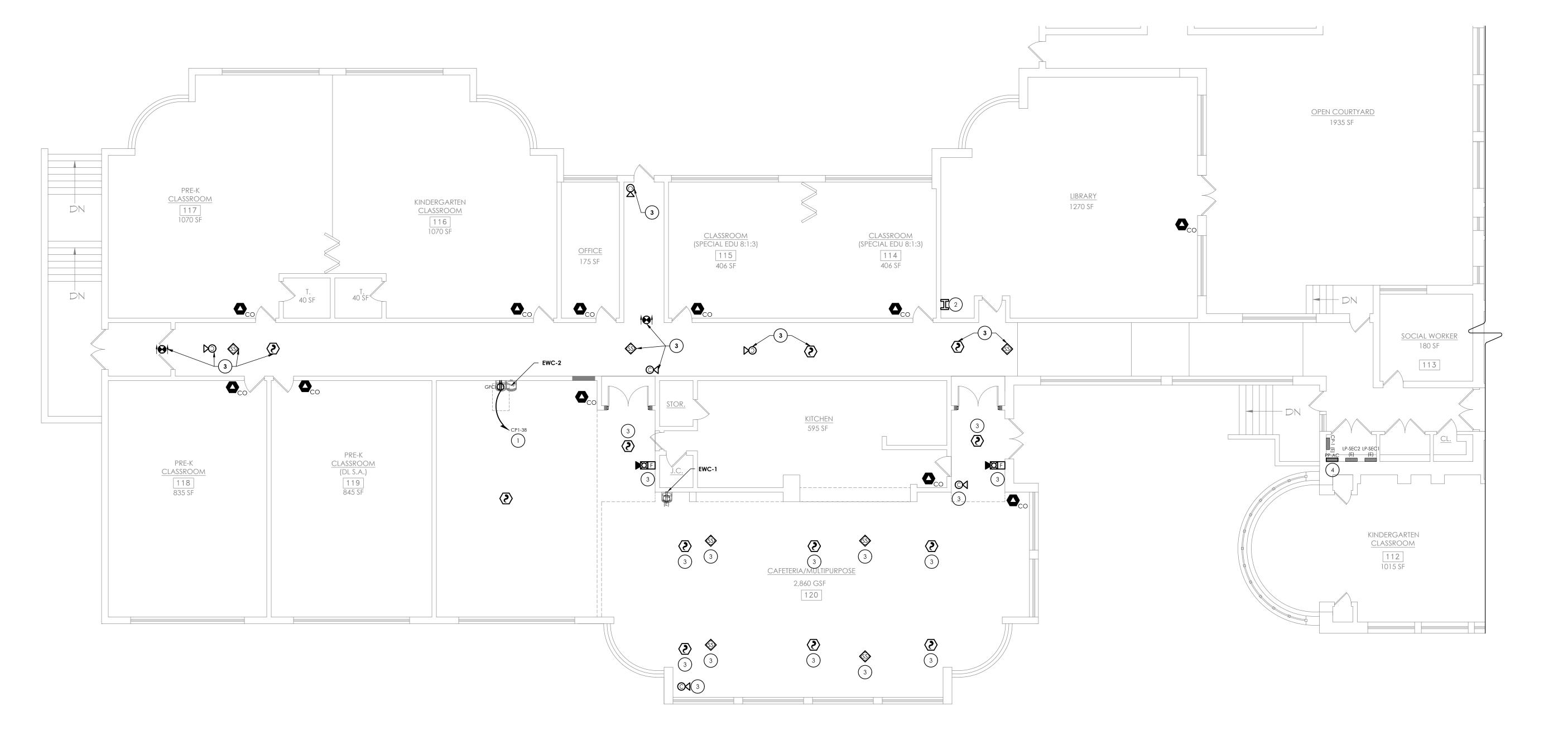
22 EDWARD ST, OSSINING, NY 10562

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

 No.
 Date 1
 Description SCH EDULE

 1
 04/07/2023
 SED ADDENDUM #1

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION STATEMENT

SHEET INFORMATION 09/05/23 as shown Project Status **BID SET**

TRUE

Drawn By Checked By

FIRST FLOOR AREA 2 ELECTRICAL NEW WORK PLAN

CAFFETERIA - ELECTRICAL NEW WORK PLAN

- A. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATIONS AND AS-BUILT DOCUMENTATION.
- B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.
- C. DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
- D. (E) EXISTING TO REMAIN. ANY DEVICE EQUIPMENT, ETC. LABELED AS "(E)" IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- E. (RL) RELOCATED.ANY DEVICE EQUIPMENT, ETC. LABELED AS "(RL)" IS RELOCATED EXISTING. DEVICE/EQUIPMENT SHALL BE RE-INSTALLED AT LOCATION INDICATED. REWORK/EXTEND WIRING AND CONDUIT TO NEW LOCATION AS REQUIRED.
- F. ALL NEW FAN SHUTDOWN RELAYS SHALL BE PROGRAMMED TO DE-ENERGIZE ASSOCIATED HVAC UNIT FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.
- G. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-ARE AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5'-0" SPACING.
- H. AT LOCATIONS OF WIRELESS ACCESS POINTS, ELECTRICAL CONTRACTOR TO PROVIDE (2) CAT6 CABLES, COLOR BLACK, WITH JACKS WIRED BACK TO NEAREST TEL-COM CLOSET. UNLESS NOTED AS A REMOVAL/ SALVAGE/RELOCATE WAP, THE OWNER WILL PROVIDE NEW WIRELESS EQUIPMENT. AT ALL CEILING MOUNTED LOCATIONS, PROVIDE AN ADDITIONAL 20' OF CABLE, COILED AND SECURED ABOVE THE CEILING FOR OWNER ADJUSTMENT.
- I. PROVIDE 8" ROUND FLUSH MOUNTED, WHITE CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING P.A. SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- J. ALL NEW P.A. SPEAKERS SHOWN IN CLASS ROOMS SHALL BE INDIVIDUALLY HOMERUN TO PUBLIC ADDRESS SYSTEM HEAD END. EACH CLASSROOM P.A. SYSTEM SHALL BE CABLE OF TWO-WAY COMMUNICATION WITH HEAD END. CORRIDOR SPEAKERS TO BE WIRED TOGETHER AND WIRED BACK AS SINGLE RUN.
- K. REVISE PANEL DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS.
- L. FOR ALL DATA/VOICE DROPS SHOWN, PROVIDE FLUSH 2-GANG BOX WITH SINGLE GANG DEVICE RING. PROVIDE (2) CATEGORY 6 UTP CABLES IN 1-1/4" CONDUIT TO NEAREST DATA RACK. PROVIDE 2-PORT FACE PLATE, BRACKETS, (2) RJ-45 JACKS, ETC., AT EACH DROP LOCATION.
- M. ALL CLASSROOM RECEPTACLES SHALL BE TAMPER RESISTANT. CONNECT ALL RECEPTACLES TO PANELBOARD AND CIRCUIT INDICATED.
- N. PROVIDE #10 THNN FOR ALL CIRCUITS OVER 75'.

KEY PLAN:

- O. WIRE ALL RECEPTACLES WITH (2) #12, (1) #12G IN 3/4" CONDUIT.
- P. EQUIPMENT DESIGNATED WITH A NUMBER INSIDE A HEXAGON (②) ARE SCHEDULED ON DRAWING PES-E900. REFER TO SCHEDULE FOR REQUIRED BREAKER, WIRING AND LOCATION.
- PROVIDE POWER CONNECTION TO NEW ELEVATOR. PROVIDE AUXILIARY CONTACT ON ELEVATOR DISCONNECT FOR CONNECTION TO ELEVATOR CONTROL PANEL. ELEVATOR SHALL BE WIRED SO THAT IN THE EVENT OF A POWER OUTAGE, THE EMERGENCY BATTERY POWER SUPPLY PROVIDES POWER AUTOMATICALLY TO THE ELEVATOR CONTROLLER.

 THE ELEVATOR WILL RISE OR LOWER TO THE FIRST AVAILABLE LANDING, OPEN THE
- PROVIDE SMOKE DETECTOR AT LOCATION INDICATED. PROVIDE ALL WIRING AND CONNECTIONS TO LOCAL FIRE ALARM SLC LOOP. ON FIRE ALARM ACTIVATION ELEVATOR SHALL AUTOMATICALLY MOVE TO A SAFE FLOOR AND SHUTDOWN WITH DOORS OPEN.
- PROVIDE TELEPHONE JACK AND REQUIRED CABLING FOR TWO-WAY COMMUNICATION IN ELEVATOR CAR. DEDICATED PHONE LINE TO BE INSTALLED

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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

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SHEET INFORMATION
Issued

TRUE

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Project Status
BID SET
Drawn By Checked By
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SECOND FLOOR AREA 1
ELECTRICAL NEW WORK PLAN

PES F202

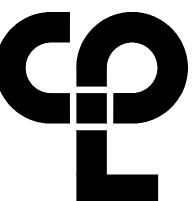
KEY NOTES:

- INSTALL NEW 225A, 3P, 4W PANEL "NAP2". PROVIDE (3) #4/0, (1) #2 GND IN 2" CONDUIT TO NEW PANEL "NAP2". PROVIDE NEW 225A/3P CIRCUIT BREAKER IN NEW SWITCHBOARD "MDP". NEW BREAKER SHALL MATCH SWITCHBOARD AIC RATING.
- PROVIDE (2) #12, #12 GND IN 1/2" CONDUIT FOR POWER TO HAND DRYER. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN PANEL "NAP2". BREAKER SHALL MATCH PANEL AIC RATING.
- PROVIDE (2) TERMINATED CAT6 CABLE FOR WIRELESS ACCESS POINT. DEVICE PROVIDED BY OWNER.
- PROVIDE POWER TO NEW VRF UNIT. . PROVIDE NEW 20A/1P CIRCUIT BREAKER IN PANEL "NAP2". BREAKER SHALL MATCH AIC RATING OF PANEL..
- 5 PROVIDE 120-VOLT POWER REQUIRED FOR ELEVATOR ACCESS CONTROL DEVICE. LOW VOLTAGE POWER SUPPLIES TO BE PROVIDED BY ELEVATOR VENDOR. WIRE JUNCTION BOXES TOGETHER WITH (2) #12, (1) #12 GND IN 1/2" CONDUIT AND CONNECT TO DESIGNATED SECURITY BRANCH CIRCUIT FEEDING THE MAIN HALLWAY AREA.
- PROVIDE PROXIMITY READER MOUNTED ON WALL NEXT TO ELEVATOR DOOR FOR ELEVATOR ACCESS CONTROL. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT FROM PROXIMITY CARD READER LOCATION TO A POINT ABOVE FINISHED CEILING IN MAIN HALLWAY AREA. PROVIDE SECURITY ENTRY TOUCH PANEL AT EACH LOCATION INDICATED. PROVIDE ALL NECESSARY CONDUIT/WIRING AND MISCELLANEOUS COMPONENTS FOR FINAL CONNECTION FROM TOUCH PANEL TO EXISTING DAY AUTOMATION SECURITY EQUIPMENT. CONTRACTOR SHALL COORDINATE INSTALLATION WITH SECURITY INTEGRATOR DAY AUTOMATION TO ENSURE A COMPLETE AND WORKING SYSTEM.
- PROVIDE AND INSTALL CAT 6 DATA CABLE FOR CONNECTION TO NEW OWNER PROVIDED SECURITY CAMERA. WIRE BACK TO NEAREST DATA CLOSET.
- 8 RECEPTACLE FOR SMARTBOARD AT APPROXIMATELY 60". CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 9 PROVIDE WALL MOUNTED REMOTE TEST SWITCHES. SWITCHES ARE ASSOCIATED WITH DUCT SMOKE DETECTOR IN SUPPLY DUCT OF SMOKE DAMPER. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- ASSOCIATED DUCT DETECTOR CONTROLS OPENING/CLOSING OPERATION OF SMOKE DAMPER. PROVIDE FINAL CONNECTIONS AS REQUIRED TO DEVICES FOR A COMPLETE AND WORKING SMOKE DAMPER SYSTEM.
- PROVIDE (2) #12, (1) #12 GND IN 1/2" CONDUIT FOR POWER BRANCH BOXES. PROVIDE 20A/1P CIRCUIT BREAKER IN NEW PANEL "NAP2"...
- DATA DROP FOR SMARTBOARD AT APPROXIMATELY 60". CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO INSTALLATION.

- A. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATIONS AND AS-BUILT DOCUMENTATION.
- B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.
- C. DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
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- E. (RL) RELOCATED.ANY DEVICE EQUIPMENT, ETC. LABELED AS "(RL)" IS RELOCATED EXISTING. DEVICE/EQUIPMENT SHALL BE RE-INSTALLED AT LOCATION INDICATED. REWORK/EXTEND WIRING AND CONDUIT TO NEW LOCATION AS REQUIRED.
- F. ALL NEW FAN SHUTDOWN RELAYS SHALL BE PROGRAMMED TO DE-ENERGIZE ASSOCIATED HVAC UNIT FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.
- G. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-ARE AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5'-0" SPACING.
- H. PROVIDE #10 THNN FOR ALL CIRCUITS OVER 75'.
- I. WIRE ALL RECEPTACLES WITH (2) #12, (1) #12G IN 3/4" CONDUIT.
- J. EQUIPMENT DESIGNATED WITH A NUMBER INSIDE A HEXAGON (🕟) ARE SCHEDULED ON DRAWING PES-E900. REFER TO SCHEDULE FOR REQUIRED BREAKER, WIRING AND LOCATION.

KEY NOTES:

- 1) PROVIDE POWER CONNECTION NEW OUTDOOR AIR UNIT.
- 2) PROVIDE SMOKE DUCT DETECTOR FOR RETURN AND SUPPLY LINE OF RTU'S. PROVIDE FAN SHUTDOWN RELAYS SO THAT UNIT WILL SHUTDOWN ALL FANS ASSOCIATED WITH UNIT ON ACTIVATION OF THE BUILDING FIRE ALARM.
- (3) PROVIDE FAN SHUTDOWN RELAYS AT HVAC EQUIPMENT CONTROLS. INTERCONNECT RELAYS TO BUILDING FIRE ALARM SYSTEM TO SHUTDOWN FAN MOTORS WHEN THE FIRE ALARM IS ACTIVATED.
- 4) PROVIDE ASSOCIATED REMOTE TEST SWITCHES ON WALL BELOW SECOND FLOOR CEILING.
- 5 RE-CONNECT RELOCATED EXHAUST FAN TO EXISTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND AND REWORK WIRING AS NECESSARY.
- 6 RE-CONNECT RELOCATED DUCTLESS SPLIT CONDENSING UNIT TO EXISTING CIRCUITRY TAGGED FOR RE-USE. REWORK/EXTEND AND REWORK WIRING AS NECESSARY.
- (7) PROVIDE POWER TO REMOTE CONDENSING UNIT.
- (8) PROVIDE GFI, WEATHERPROOF RECEPTACLE WITH IN-USE COVER. RECEPTACLE SHALL BE SUPPORTED ON SEPARATE UNISTRUT MOUNT ADJACENT TO MECHANICAL UNIT. PROVIDE (2) #12, #12 GND IN 3/4" CONDUIT TO EXISTING PANEL CPC1. PROVIDE NEW 20A/1P BREAKER IN EXISTING PANEL. BREAKER SHALL MATCH EXISTING PANEL AIC RATING.



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PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

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22 EDWARD ST, OSSINING, NY 10562

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

 No.
 Date 1
 Description SCH EDULE

 1
 04/07/2023
 SED ADDENDUM #1

PROFESSIONAL STAMPS

SHEET INFORMATION

09/05/23 as shown Project Status Drawn By

ROOF AREA 1 ELECTRICAL NEW

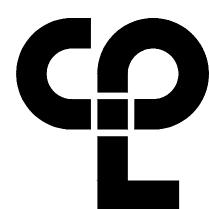
WORK PLAN

KEY PLAN:

- A. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATIONS AND AS-BUILT DOCUMENTATION.
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- I. WIRE ALL RECEPTACLES WITH (2) #12, (1) #12G IN 3/4" CONDUIT.
- J. EQUIPMENT DESIGNATED WITH A NUMBER INSIDE A HEXAGON () ARE SCHEDULED ON DRAWING PES-E900. REFER TO SCHEDULE FOR REQUIRED BREAKER, WIRING AND LOCATION.

KEY NOTES:

- 1) PROVIDE POWER CONNECTION TO NEW ROOF TOP UNIT.
- 2 PROVIDE SMOKE DUCT DETECTOR FOR RETURN AND SUPPLY LINE OF RTU. PROVIDE FAN SHUTDOWN RELAYS SO THAT UNIT WILL SHUTDOWN ALL FANS ASSOCIATED WITH UNIT ON ACTIVATION OF THE BUILDING FIRE ALARM.
- 3 PROVIDE FAN SHUTDOWN RELAYS AT HVAC EQUIPMENT CONTROLS. INTERCONNECT RELAYS TO BUILDING FIRE ALARM SYSTEM TO SHUTDOWN FAN MOTORS WHEN THE FIRE ALARM IS ACTIVATED.
- PROVIDE ASSOCIATED REMOTE TEST SWITCHES ON WALL BELOW FIRST FLOOR CEILING.
- PROVIDE GFI, WEATHERPROOF RECEPTACLE WITH IN-USE COVER.
 RECEPTACLE SHALL BE SUPPORTED ON SEPARATE UNISTRUT MOUNT
 ADJACENT TO MECHANICAL UNIT. PROVIDE (2) #12, #12 GND IN
 3/4" CONDUIT TO EXISTING PANEL PPAC. PROVIDE NEW 20A/1P
 BREAKER IN EXISTING PANEL. BREAKER SHALL MATCH EXISTING
 PANEL AIC RATING.



CPL | Architecture Engineering Planning
50 Front St. Suite 202
Newburgh, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOOL DISTRICT

2022-2023 CIP

District Office Address
22 EDWARD ST, OSSINING, NY 10562

22 EDWARD 31, OSSINING, NT 10302

OSSINING

PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description
1 04/07/2023 SED ADDENDUM #1

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

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Issued Scale
09/05/23 AS SHOWN
Project Status

BID SET
Drawn By Checked By
AL JAS

ROOF AREA 2 ELECTRICAL NEW WORK PLAN

PES

KEY PLAN:

TRUE
NORTH

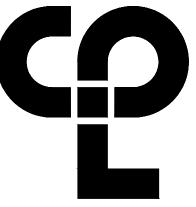
- A. REFER TO LUMINAIRE SCHEDULE FOR FIXTURE DESIGNATION TYPES, DESCRIPTIONS AND SPECIFICATIONS.
- B. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTACTORS AND/OR OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 OR 4 WAY SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES, WIRE SIZE SHALL EQUAL POWER FEED SIZE.
- C. ALL CEILING MOUNTED OCCUPANCY SENSORS TO BE MOUNTED WITHIN THE ROOM TO OBTAIN MAXIMUM COVERAGE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.
- D. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, DIMMERS, POWER PACKS, ETC.) TO BE LOW VOLTAGE DEVICES. PROVIDE ASSOCIATED CONTROL UNIT(S) IN EACH SPACE TO ACCOMMODATE NUMBER OF INPUTS AND ZONES SHOWN.
- E. WIRE ALL TYPE "EM" EMERGENCY BATTERY BACK-UP UNITS TO ROOM LIGHTING CIRCUIT. WIRE AHEAD OF ANY LOCAL SWITCHING.
- F. WIRING BETWEEN FIXTURES AND SWITCHES SHOWN FOR CONTROL INTENT. CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS REQUIRED TO ACCOMMODATE INTENT.
- G. EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM EXACT LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.

KEY NOTES:

- REINSTALL EXISTING 2'X4' LIGHT FIXTURE, REMOVED DURING DEMOLITION. RECONNECT TO EXISTING TAGGED CIRCUITRY. REWORK/ EXTEND WIRING AS NECESSARY.
- 2 REINSTALL EXISTING EXIT LIGHT FIXTURE, REMOVED DURING DEMOLITION. RECONNECT TO EXISTING TAGGED CIRCUITRY. REWORK/ EXTEND WIRING AS NECESSARY.
- (3) INSTALL NEW 2'X4' LIGHT FIXTURE. CONNECT TO EXISTING LIGHTING BRANCH CIRCUIT IN SPACE. REWORK/ EXTEND WIRING AS NECESSARY.
- EMERGENCY FIXTURE CONTAINS A BATTERY UNIT TO OPERATE FIXTURE IN CASE OF POWER OUTAGE. PROVIDE (2) HOT LEGS FROM THE SAME POWER SOURCE. A SWITCHED LEG AND AN UN-SWITCHED LEG ARE TO BE WIRED TO THE FIXTURE. WIRE FIXTURE ACCORDING TO MANUFACTURER'S WIRING DIAGRAM.
- 5 PROVIDE AND INSTALL ELEVATOR PIT LIGHTING FIXTURE. HUBBELL MODEL VM2LB630B2R5G OR APPROVED EQUAL. PROVIDE (2) #12, (1) #12G IN 3/4" CONDUIT TO EXISTING PANEL "NAP1". PROVIDE NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL, BREAKER SHALL MATCH EXISTING PANEL AIC RATING.
- (6) PROVIDE POWER TO NEW LIGHT FIXTURES. PROVIDE (2) #10, (1) #10 GND IN 3/4" CONDUIT TO PANEL "NPA2". PROVIDE NEW 20A/1P CIRCUIT BREAKER IN PANEL.

KEY PLAN:

7 PROVIDE 30A/2P, 240V RATED NEMA 1 HEAVY DUTY DISCONNECT SWITCH.
COORDINATE LOCATION WITH ELEVATOR INSTALLER. PROVIDE (2) #12, (1) #12 GND IN
3/4" CONDUIT TO EXISTING PANEL "NAP1".



CPL | Architecture Engineering Planning
50 Front St. Suite 202
Newburgh, NY 12550
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SHEET INFORMATION

TRUE

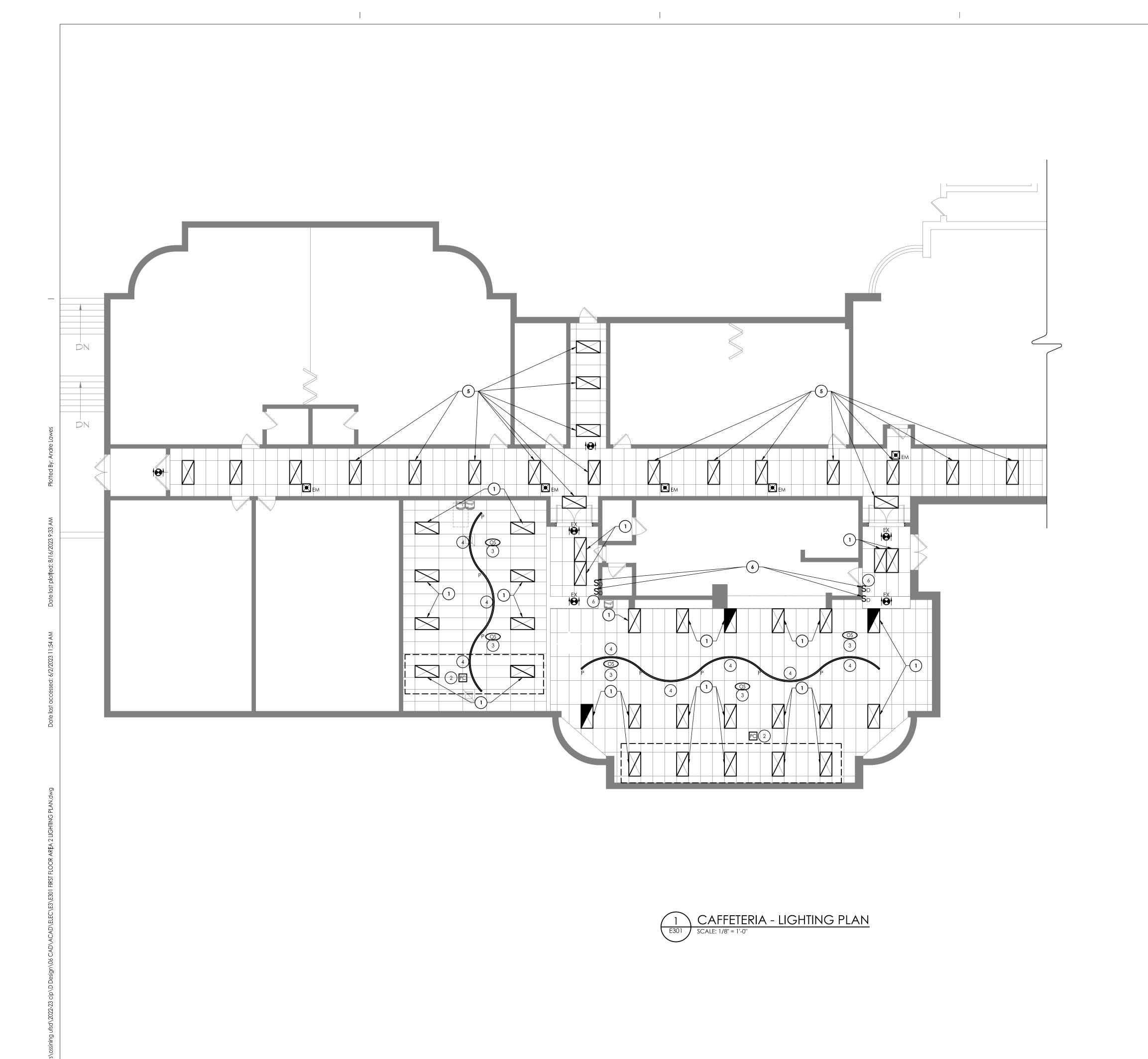
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FIRST FLOOR AREA 1 LIGHTING PLAN

PES

FIRST FLOOR - AREA 1 LIGHTING PLAN

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



- A. REFER TO LUMINAIRE SCHEDULE FOR FIXTURE DESIGNATION TYPES, DESCRIPTIONS AND SPECIFICATIONS.
- B. WIRE ALL EXIT SIGNS TOGETHER WITH (2)#12, #12 GND IN 3/4" CONDUIT. WIRE TO NEAREST 120V PANELBOARD.
- C. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTACTORS AND/OR OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 OR 4 WAY SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES, WIRE SIZE SHALL EQUAL POWER FEED SIZE.
- D. ALL CEILING MOUNTED OCCUPANCY SENSORS TO BE MOUNTED WITHIN THE ROOM TO OBTAIN MAXIMUM COVERAGE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.
- E. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, DIMMERS, POWER PACKS, ETC.) TO BE LOW VOLTAGE DEVICES. PROVIDE ASSOCIATED CONTROL UNIT(S) IN EACH SPACE TO ACCOMMODATE NUMBER OF INPUTS AND ZONES SHOWN.
- F. WIRE ALL TYPE "EM" EMERGENCY BATTERY BACK-UP UNITS TO ROOM LIGHTING CIRCUIT. WIRE AHEAD OF ANY LOCAL SWITCHING.
- G. WIRING BETWEEN FIXTURES AND SWITCHES SHOWN FOR CONTROL INTENT. CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS REQUIRED TO ACCOMMODATE INTENT.
- H. EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM EXACT LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.

KEY NOTES:

- REINSTALL EXISTING 2'X4' LIGHT FIXTURE, REMOVED DURING DEMOLITION. RECONNECT TO EXISTING TAGGED CIRCUITRY. REWORK/ EXTEND WIRING AS NECESSARY TO INCORPORATE LIGHTING CONTROLS REQUIRED.
- 2 PROVIDE INTERIOR DIMMING TYPE PHOTOCELL TO CONTROL LIGHT FIXTURES IN ROW ADJACENT TO WINDOW WALL, INDICATED BY DASHED LINE.
- PROVIDE NEW LIGHTING CONTROLS IN SPACE AS SHOWN, REWORK/EXTEND CIRCUITING AS REQUIRED. PROVIDE ALL NEW LOW VOLTAGE CONTROL CABLING AND RACEWAY AS REQUIRED.
- (4) INSTALL NEW EDISON PLUS CURVED LIGHT FIXTURE. CONNECT TO EXISTING TAGGED CIRCUITRY. REWORK/ EXTEND WIRING AS NECESSARY.

KEY PLAN:

- (5) REINSTALL 2'X4' LED LIGHT FIXTURES, EXIT SIGNS AND REMOTE TEST STATIONS. CONNECT TO EXISTING TAGGED CIRCUITRY. REWORK/EXTEND WIRING AS NECESSARY.
- (6) PROVIDE LOW VOLTAGE 4-BUTTON DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS, UNLESS OTHERWISE NOTED.

CPL | Architecture Engineering Planning 50 Front St. Suite 202 Newburgh, NY 12550 CPLteam.com

PROJECT INFORMATION

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PROFESSIONAL STAMPS

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FIRST FLOOR AREA 2 LIGHTING

- A. REFER TO LUMINAIRE SCHEDULE FOR FIXTURE DESIGNATION TYPES, DESCRIPTIONS AND SPECIFICATIONS.
- B. INSTALL NEW EXIST SIGNS AND WIRE TO ROOM/CORRIDOR UNSWITCHED LIGHTING BRANCH CIRCUIT. WIRE WITH (2) #12, (1) #12 GND IN 3/4" CONDUIT.
- C. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTACTORS AND/OR OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 OR 4 WAY SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES, WIRE SIZE SHALL EQUAL POWER FEED SIZE.
- D. ALL CEILING MOUNTED OCCUPANCY SENSORS TO BE MOUNTED WITHIN THE ROOM TO OBTAIN MAXIMUM COVERAGE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.
- E. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, DIMMERS, POWER PACKS, ETC.) TO BE LOW VOLTAGE DEVICES. PROVIDE ASSOCIATED CONTROL UNIT(S) IN EACH SPACE TO ACCOMMODATE NUMBER OF INPUTS AND ZONES SHOWN.
- F. WIRE ALL TYPE "EM" EMERGENCY BATTERY BACK-UP UNITS TO ROOM LIGHTING CIRCUIT. WIRE AHEAD OF ANY LOCAL SWITCHING.
- G. WIRING BETWEEN FIXTURES AND SWITCHES SHOWN FOR CONTROL INTENT. CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS REQUIRED TO ACCOMMODATE INTENT.
- H. EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM EXACT LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.

KEY NOTES:

- PROVIDE POWER TO NEW LIGHT FIXTURES. PROVIDE (2) #10, (1) #10 GND IN 3/4" CONDUIT TO PANEL "NPA2". PROVIDE NEW 20A/1P CIRCUIT BREAKER IN PANEL.
- PROVIDE INTERIOR DIMMING TYPE PHOTOCELL TO CONTROL LIGHT FIXTURES IADJACENT TO WINDOW WALL.
- 3 EMERGENCY FIXTURE CONTAINS A BATTERY UNIT TO OPERATE FIXTURE IN CASE OF POWER OUTAGE. WIRE AHEAD OF ANY LOCAL SWITCHING.
- PROVIDE NEW LIGHTING CONTROLS IN SPACE AS SHOWN. REWORK/EXTEND CIRCUITING AS REQUIRED. PROVIDE ALL NEW LOW VOLTAGE CONTROL CABLING AND RACEWAY AS REQUIRED.
- 5 PROVIDE LOW VOLTAGE 4-BUTTON DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS, UNLESS OTHERWISE NOTED.
- (6) PROVIDE LOW VOLTAGE 4-BUTTON OCCUPANCY SENSOR DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS. PROGRAM THE SENSOR TO TURN OFF AFTER 8 MINUTES OF NON MOTION.

CPL | Architecture Engineering Planning
50 Front St. Suite 202
Newburgh, NY 12550
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PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS

KEY PLAN:

TRUE
NORTH

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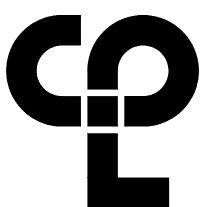
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09/05/23

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AL JAS

SECOND FLOOR AREA 1 LIGHTING PLAN

> PES F302

- A. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIRE ALARM DEVICES AND ALL NECESSARY EQUIPMENT TO MAKE A PROPER CONNECTION TO EXISTING SIMPLEX 4100ES FIRE ALARM CONTROL PANEL "FACP" LOCATED IN THE MAIN OFFICE ON THE FIRST FLOOR USING MANUFACTURER'S RECOMMENDED WIRING IN 3/4" E.C. CONTRACTOR SHALL PROVIDE AND EXTEND POWER/DATA FEEDS TO NEW FIRE ALARM DEVICE LOCATION. PROVIDE AND INSTALL ALL EXPANSION CARDS, WIRE/CONDUIT, RELAYS, POWER SUPPLIES, BATTERIES, EXTENDERS, PROGRAMING, MOUNTING HARDWARE, AND JUNCTION BOXES REQUIRED. TYPICAL FOR ALL FIRE ALARM DEVICES.
- B. CONTRACTOR SHALL PROVIDE, INSTALL AND PROGRAM ALL DEVICES AS REQUIRED FOR VOICE COMMAND NOTIFICATION SYSTEM. ALL SPEAKERS/STROBES LOCATED IN AREA OF NEW DEVICES SHALL SOUND "TEMPORAL 3" FOLLOWED BY "FIRE, FIRE, FIRE, EXIST, EXIT, EXIT". PROVIDE AND INSTALL ALL EQUIPMENT AS REQUIRED INCLUDING BUT NOT LIMITED TO AMPLIFIERS, DATA LOOPS, POWER SUPPLIES, NETWORK CARDS, EXPANSION CARDS, WIRE, CONDUIT, RELAYS, BATTERIES, AND MOUNTING HARDWARE. BATTERIES SHALL BE SIZED FOR 24 HOURS BACKUP FOLLOWED BY 4 HOURS OF
- C. ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUTDOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE AND NATIONAL CODES. PROVIDE FIRE ALARM SHUTDOWN RELAYS IN EACH NEW UNIT.
- D. NEW FIRE ALARM SYSTEM INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE COMPATIBLE WITH EXISTING SIMPLEX 4100 FIRE ALARM CONTROL PANEL LOCATED IN BASEMENT. PROVIDE NEW NAC EXTENDER PANEL (WITH SMOKE DETECTOR WITHIN5') IF REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. WIRE NEW NAC PANEL TO NEAREST 120V RECEPTACLE CIRCUIT. PROVIDE WITH BATTERIES.
- E. FINAL TESTING IF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. AN ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.
- F. FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- G. PROVIDE FLUSH MOUNTED CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING P.A. SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WIT OWNER.
- H. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3-1/2' BUT LESS THAN 4' ABOVE THE FLOOR.
- I. EACH FIRE ALARM PULL STATION SHALL BE PROVIDED WITH PULL STATION COVER WITH HORN.



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District Office Address 22 EDWARD ST, OSSINING, NY 10562

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PARK ELEMENTARY SED# 66-14-01-03-0-004-024

 No.
 Date 1
 Description SED ADDENDUM #1

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

SHEET INFORMATION 09/05/23

as shown Project Status **BID SET** Drawn By Checked By JAS

SECOND FLOOR AREA 1 FIRE ALARM SYSTEM PLAN

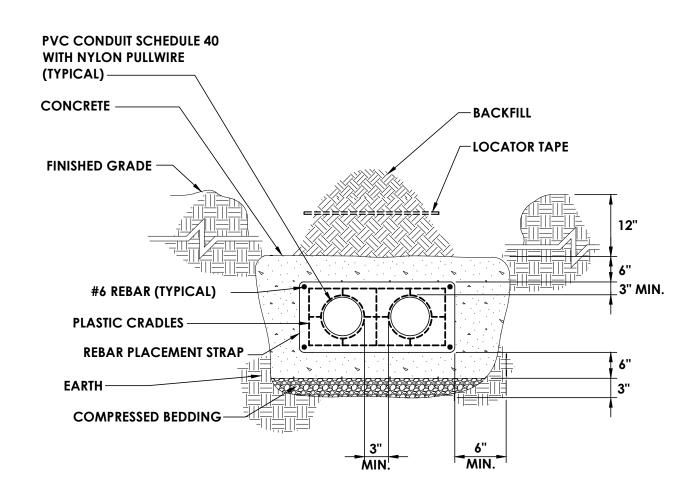
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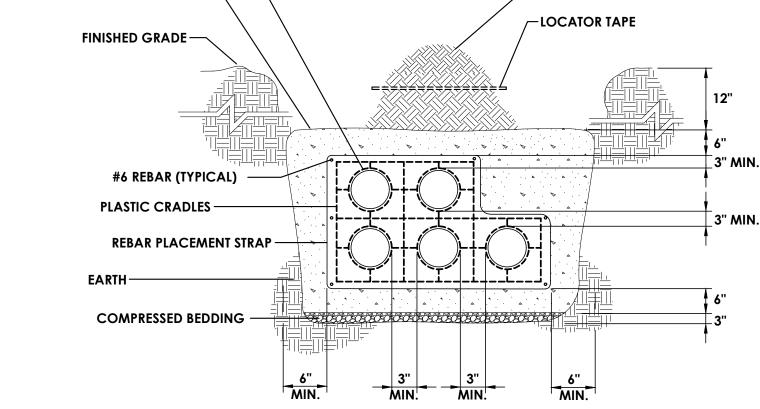
KEY PLAN: TRUE NORTH

NOTES:

- 1) ALL MATERIAL PLACED IN GRAVEL/ROADWAY AREAS SHALL BE COMPACTED IN MAXIMUM 6" LIFTS.
- 2) THIS TRENCH DETAIL SHALL INCLUDE THE REQUIREMENTS COMMON TO MORE THAN ONE SECTION OF DIVISION 2 OF THE SPECIFICATIONS.







SECONDARY ELECTRIC DUCT BANK DETAIL

─BACKFILL

PVC CONDUIT SCHEDULE 40

WITH NYLON PULLWIRE

(TYPICAL) —

CONCRETE -

∕-INSULATED

AND SEAL

CONDUIT(S) SHALL RISE ON
THE SIDE OF THE POLE AWAY

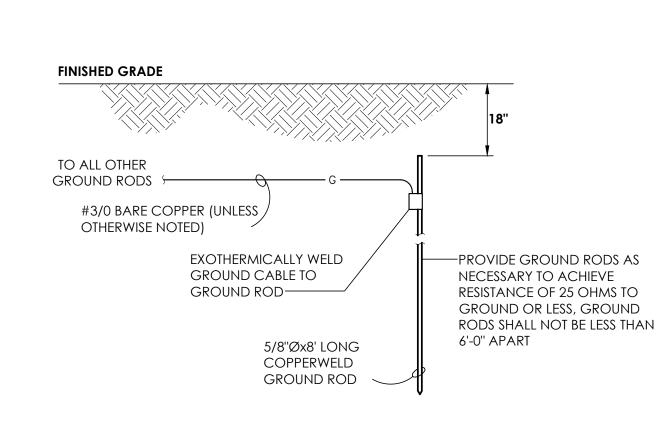
PIPE STRAPS-INSTALL AT NOT

MORE THAN 30" INTERVALS

FINSHED GRADE

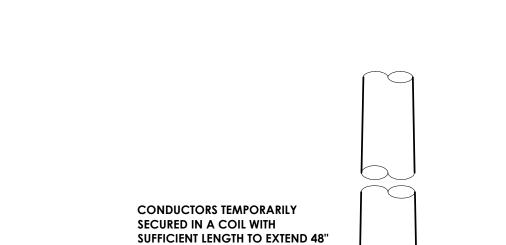
FROM TRAFFIC

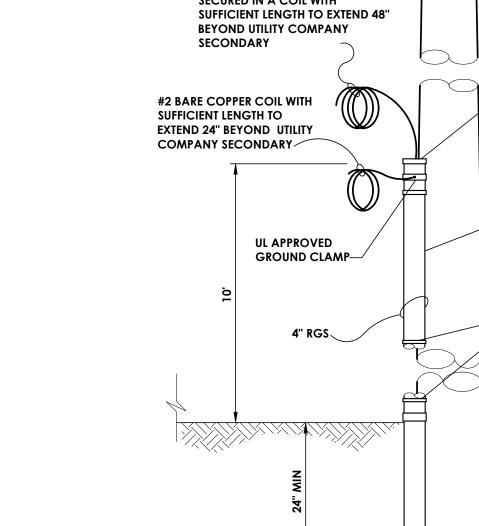
(TYPICAL)





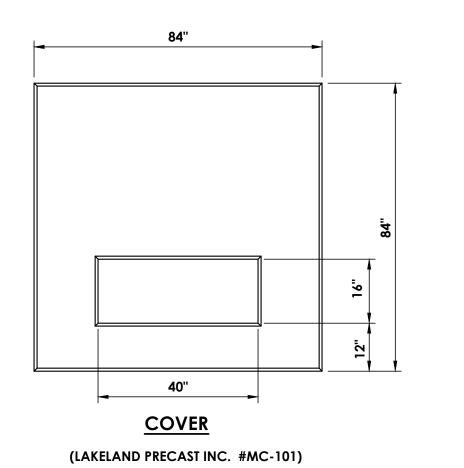
PRIMARY ELECTRIC DUCT BANK DETAIL
SCALE: NOT TO SCALE





NOTE:
DETAIL IS FOR REFERENCE ONLY AND MAY NOT REFLECT ACCURATE QUANTITY AND SIZES OF RACEWAYS INDICATED ON DRAWINGS. CONDUIT POLE RISERS SHALL MEET ALL REQUIREMENTS OF ASSOCIATED UTILITY COMPANIES.

√4" PVC AFTER



NOTES:

- 1) #4 REINFORCING BARS USED THROUGHOUT AT 6" EACH WAY.
- 2) 4000 PSI CONCRETE AT 28 DAYS.
- 3) COVER AND FLOOR TO BE TROWEL FINISHED.
- 4) 3/4" CHAMFER ALL EXPOSED EDGES, INCLUDING OPENING.

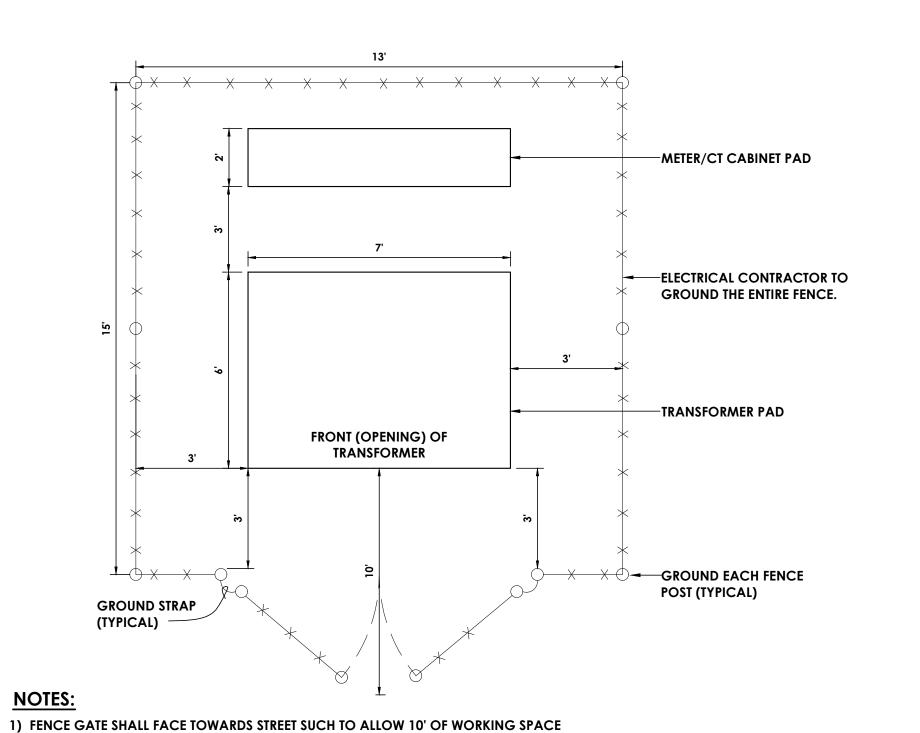
5) 4 KNOCK OUTS PER SIDE, ALL 4 SIDES.

6) (4) 1 TON, 1" SWIFT LIFTERS.

7) COORDINATE EXACT DIMENSIONS OF PAD WITH CON EDISON.

5 TRANSFORMER PAD DETAIL
SCALE: NOT TO SCALE





7 TRANSFORMER ENCLOSURE DETAIL
E800 NOT TO SCALE

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50 Front St. Suite 202 Newburgh, NY 12550

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SHEET INFORMATION

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AL JAS
Drawing Title

ELECTRICAL DETAILS

Drawing Number

<u>PES</u> E800

PAN	PANEL: PP-AC												CIRCUIT RENT:	22kAIC		
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39		SPARE		20	1			-	-			1	20	SPARE	40	
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ELECTRICAL EQUIPMENT SCHEDULE										
ITEM NUMBER	EQUIPMENT	ROOM NO.	HP/FLA	VOLTS	PAHSE	AMPS	BREAKER /FUSE SIZE	WIRE/CONDUIT SIZE	PANEL/CCT	REMARKS
1	EL-1	-	-	208	3	60	60A/3P	(3) #6, (1) #8G IN 1"C	NAP2 - 32,34,36	1
2	SUMP PUMP CONTROL PANEL	-	-	115	1	20	20A/1P	(2) #12, (1) #12G IN 3/4"C	NAP1	1,6
3	CUH-1	STAIRWELL	1/3HP	120	1	0.65	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP1	1,6
4	SSI-1	237	4.83A	208	1	4.83	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 2,4	1,2
5	SSI-2	236	2.7A	208	1	2.7	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 2,4	1,2
6	SSI-3	235	4.83A	208	1	4.83	15A/1P	(2) #12, (1) #12G IN 1/2"C	NAP2 - 6,8	1,2
7	SSI-4	234	4.83A	208	1	4.83	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 6,8	1,2
8	SSI-5	232C	0.51A	208	1	0.51	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 10,12	1,2
9	SSI-6	231	0.51A	208	1	0.51	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 10,12	1,2
10	SSI-7	234B	0.51A	208	1	0.51	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 14,16	1,2
11	SSI-8	232 - CORRIDOR	0.51A	208	1	0.51	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 14,16	1,2
12	SSI-9	232 - CORRIDOR	0.51A	208	1	0.51	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 52,54	1,2
13	SSI-10	232 - CORRIDOR	0.51A	208	1	0.51	15A/1P	(2) #12, (1) #12G IN 3/4"C	NAP2 - 52,54	1,2
14A	SSO-1	ROOF	50A	208	3	50	60A/3P	(3) #6, (1) #10G IN 1"C	NAP2 - 20,22,24	1
15	DOAS-1	ROOF	44A	208	3	44	60A/3P	(3) #6, (1) #10G IN 1"C	NAP2 - 26,28,30	1
16	RTU-1	ROOF	58A	208	3	58	70A/3P	(3) #4, (1) #8G IN 1"C	PP-AC	1
17	RTU-2	ROOF	79A	208	3	79	90A/3P	(3) #3, (1) #8G IN 1 1/4"C	PP-AC	1
18	RTU-3	ROOF	115A	208	3	115	125A/3P	(3) #2, (1) #6G IN 2"C	PP-AC	1
19	RTU-4	ROOF	43A	208	3	43	60A/3P	(3) #6, (1) #10G IN 1"C	PP-AC	1
20	RTU-5	ROOF	40A	208	3	40	60A/3P	(3) #6, (1) #10G IN 1"C	PP-AC	1
21	SEP-1	ELEVATOR PIT	3/4HP	115	1	5	20A/1P	(2) #12, (1) #12G IN 3/4"C	NAP1	1,6
22	CUH-2	CORRIDOR	1.4	120	1	1.4	20A/1P	(2) #12, (1) #12G IN 3/4"C	NAP1	1,6
14B	SSO-1	ROOF	44A	208	3	44	60A/3P	(3) #6, (1) #10G IN 1"C	NAP2 - 20,22,24	1

- 1) $\langle \# \rangle$ ITEM NUMBER IS USED TO IDENTIFY EQUIPMENT & ASSOCIATED CONTROL DEVICES ON PLANS.
- 2) "AU" DESIGNATES AT UNIT.
- 3) ALL CONTROL DEVICES FURNISHED BY DIVISION 23 UNLESS OTHERWISE NOTED.
- 4) ALL CONTROL DEVICES MOUNTED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- 5) ALL CONTROL DEVICES SURFACE MOUNTED UNLESS OTHERWISE NOTED. ALL SUPPLY ITEMS PROVIDED BY DIVISION 26. PROVIDE ALL WIRING FROM
- PANEL TO CONTROL UNIT & FROM CONTROL UNIT TO EQUIPMENT.
- 7) ALL FIRE ALARM FAN SHUTDOWN CONTROL DEVICES PROVIDED BY DIVISION 28.
- WHERE NEW EQUIPMENT IS BEING RECONNECTED TO EXISTING CONDUCTORS, THE EXISTING CIRCUIT SHALL BE MODIFIED TO ACCOMMODATE THE NEW EQUIPMENT. THE CONTRACTOR SHALL EXTEND THE CIRCUIT CONDUCTORS TO THE NEW EQUIPMENT POINT OF CONNECTION. THIS MAY REQUIRE THE EXISTING SLAB TO BE SAWCUT AND/OR CHISELED SO AS A NEW JUNCTION BOX CAN BE INSTALLED, OR THAT THE SLAB BE CORE DRILLED TO PROVIDE ACCESS TO THE POINT OF CONNECTION. THE CONTRACTOR IS REQUIRED TO PROVIDE ALL REQUIRED MODIFICATIONS, CONDUIT, WIRING AND PATCHING NECESSARY TO EXTEND THE CIRCUIT FOR CONNECTION.

REMARKS:

- 1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FOR THE MOUNTING AND LINE/LOAD SIDE CONNECTIONS OF DISCONNECT AND/OR STARTER DEVICE ASSOCIATED WITH UNIT. MEANS OF DISCONNECT AND OR ASSOCIATED WITH UNIT TO BE PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.
- 2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING (1) 240V, 30A, 2-POLE MOTOR RATED SNAP SWITCH AT EACH UNIT LOCATED ABOVE ACCESSIBLE CEILING NEAR UNIT FOR LOCAL NEC UNIT DISCONNECTING MEANS.
- 3. RE-USE EXISTING BRANCH CIRCUIT AND ASSOCIATED BREAKER IN PANEL LEFT FROM DEMOLITION OF HVAC EQUIPMENT AT SAME LOCATION. EXTEND EXISTING BRANCH CIRCUIT WIRING AS REQUIRED WITH MATCHING SIZE MATERIALS TO MAKE TERMINATIONS AT NEW UNIT.
- 4. BRANCH CIRCUIT IS SHARED WITH OTHER EQUIPMENT AND/OR DEVICES AS SHOWN ON SCHEDULE AND POWER PLANS.
- 5. PROVIDE NEW BREAKER IN EXISTING PANEL. BREAKER SHALL MATCH EXISTING PANEL AIC RATING.
- 6. UTILIZE EXISTING 20A/1P CIRCUIT BREAKER IN EXISTING PANEL.

CPL | Architecture Engineering Planning

50 Front St. Suite 202

Newburgh, NY 12550

CPLteam.com

PROJECT INFORMATION

Project Number 14428.20

OSSINING UNION FREE SCHOO DISTRICT

2022-2023 CIP

District Office Address

22 EDWARD ST, OSSINING, NY 10562

OSSINING PARK ELEMENTARY SED# 66-14-01-03-0-004-024

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

SHEET INFORMATION Issued

> 09/05/23 NOT TO SCALE Project Status **BID SET** Drawn By

Drawing Title ELECTRICAL EQUIPMENT SCHEDULES

LUMIN	LUMINAIRE SCHEDULE											
MARK	DESCRIPTION	DESIGN MAKE	MODEL #	VOLTS	QTY	WATTS	COLOR TEMP.	REMARKS				
А	2X4 RECESSED FLAT PANEL LED FIXTURE	METALUX	24EN-LD2-45-UNV-L835-CD1-U	UNV	-	38	3500K	-				
AEM	2X4 RECESSED FLAT PANEL LED FIXTURE WITH 90 MIN EMERGENCY BATTERY BACKUP	METALUX	24EN-LD2-45-UNV-EL14W-L835-CD1-U	UNV	-	38	3500K	2,3				
P	CURVED ARCHITECTURAL LED DOWNLIGHT	EDISON LIGHTING GROUP	CR-E120-7W/FT LED-DD-120V-ST-S4-OP-WH-40K	120	-	7W/FT	4000K	1				
EX	DOUBLE FACE LED EXIT SIGN WITH SIDE MOUNTED EMERGENCY LIGHT, 90 MINUTE BATTERY BACKUP	LITHONIA	ELA-T-Q-L0309-SD	UNV	-	3	4600K	2,3				
o a	6" LED DOWNLIGHT FIXTURE	LITHONIA	WF6 - ROUND	UNV	-	3	4600K	2,3				
<u></u>	CEILING MOUNTED OCCUPANCY SENSOR	HUBBELL	OMNI-DT-2000	UNV		-	-	-				
PC	CEILING MOUNTED DAYLIGHT SENSOR	HUBBELL	DLC7	UNV	-	-	-	-				

REMARKS:

- FIXTURE LENGTH SHALL BE TAKEN FROM DRAWING PLANS FOR CORRECT ORDERING LENGTHS. FIXTURES TO BE SUSPENDED FROM BOTTOM OF CEILING JOISTS, MOUNTED AT 8' OR 10' A.F.F. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE 90-MINUTE BATTERY CAPACITY.
- ALL NEW EMERGENCY AND EXIT LIGHTS SHALL BE TIED TO GENERAL LIGHTING CIRCUIT SERVICING THIS AREA. TIE IN LIGHTS BEFORE LIGHTING CONTROLS.