HATBORO-HORSHAM SCHOOL DISTRICT

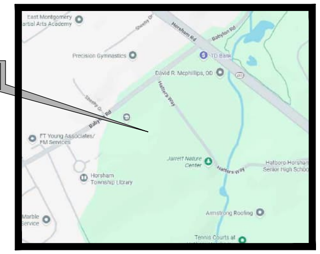
SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

411 BABYLON ROAD
HORSHAM, PA 19044
MONTGOMERY COUNTY
PENNSYLVANIA

DECEMBER 2025

CHA PROJECT NO. 105392

SITE



LOCATION MAP

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CODE NOTES

DESIGN INFORMATION

A. CODES:

1. THE INTERNATIONAL CODE COUNCIL - "INTERNATIONAL BUILDING CODE-2018"
2. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) "MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES", ASCE 7- 16
3. AMERICAN CONCRETE INSTITUTE (ACI) "SPECIFICATIONS FOR STRUCTURAL CONCRETE IN BUILDINGS." ACI 318, LATEST EDITION

FIELD QUALITY CONTROL

1. TESTING AGENCY: CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY CONTROL TESTING.
2. ALLOW TESTING AGENCY TO INSPECT AND TEST SUBGRADE AND EACH FILL OF BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLIES WITH REQUIREMENTS.
3. TESTING AGENCY WILL TEST COMPACTION OF SOILS IN PLACE ACCORDING TO ASTM D 1556, ASTM D 2167, ASTM D 2922 AND ASTM D 2937, AS APPLICABLE. TEST WILL BE PERFORMED AT THE FOLLOWING LOCATIONS AND FREQUENCIES:
   a) BUILDING SLAB AREAS: AT SUBGRADE AND AT EACH COMPACTED FILL AND BACKFILL LAYER, AT LEAST 1 TEST FOR EVERY 400 SQ FT OR LESS OF PAVED AREA OR BUILDING SLAB, BUT IN NO CASE FEWER THAN 3 TESTS
4. WHEN TESTING AGENCY REPORTS THAT SUBGRADE, FILLS OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED; RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION IS OBTAINED.
5. IF IN OPINION OF RPE, BASED ON TESTING SERVICE REPORTS AND INSPECTIONS, SUBGRADE OR FILLS THAT HAVE BEEN PLACED ARE BELOW SPECIFIED DENSITY, REPLACE MATERIAL AND PERFORM ADDITIONAL COMPACTION AND TESTING UNTIL SPECIFIED DENSITY IS OBTAINED.

TEMPORARY UTILITY RELOCATION NOTE

1. CONTRACTOR SHALL TEMPORARILY RELOCATE, SUPPORT, AND PROTECT ALL EXISTING UTILITIES (INCLUDING, BUT NOT LIMITED TO, ELECTRICAL, DATA/COMMUNICATION, FIRE ALARM, FIRE PROTECTION, PLUMBING, GAS, HVAC AND DRAIN/WASTE/VENT,) AS REQUIRED TO FACILITATE THE CONCRETE REPAIR WORK.
2. COORDINATION / PERMITS: COORDINATE ALL UTILITY SHUTDOWNS, OUTAGES, BYPASSES, AND RECONNECTIONS WITH OWNER, FACILITY OPERATIONS, AND APPLICABLE TRADES. OBTAIN ALL REQUIRED PERMITS AND APPROVALS.
3. FIELD VERIFICATION: FIELD VERIFY UTILITY LOCATIONS PRIOR TO DEMOLITION/CORE DRILLING/REPAIR WORK. UTILIZE SCANNING/LOCATING METHODS AS REQUIRED TO AVOID DAMAGE TO EXISTING UTILITIES.
4. TEMPORARY SUPPORT: PROVIDE TEMPORARY HANGERS, BRACING, AND SUPPORTS TO MAINTAIN SERVICEABILITY AND PREVENT SAGGING, DAMAGE, OR DISPLACEMENT OF UTILITIES DURING CONSTRUCTION.
5. MAINTAIN SERVICE: MAINTAIN CONTINUOUS OPERATION OF ESSENTIAL SERVICES WHERE REQUIRED. PROVIDE TEMPORARY BYPASS PIPING/CONDUIT/POWER AS NECESSARY. SCHEDULE AND LIMIT OUTAGES TO APPROVED WINDOWS.
6. PROTECTION: PROTECT UTILITIES FROM IMPACT, VIBRATION, HEAT, WATER, DEBRIS, AND CONSTRUCTION ACTIVITIES. REPAIR OR REPLACE ANY DAMAGED UTILITIES AT NO ADDITIONAL COST TO OWNER.
7. RESTORATION: UPON COMPLETION OF CONCRETE REPAIRS (AND AFTER REQUIRED CURING/STRENGTH IS ACHIEVED), RE-INSTALL AND RECONNECT UTILITIES TO ORIGINAL OR APPROVED LOCATIONS. RESTORE ALL SERVICES AND TEST FOR PROPER OPERATION.
8. SUBMITTALS: PROVIDE A TEMPORARY UTILITY RELOCATION/PROTECTION PLAN (INCLUDING OUTAGE PLAN) FOR REVIEW PRIOR TO IMPLEMENTATION, IF REQUESTED BY OWNER/ENGINEER.

POST-INSTALLED ANCHORS:

1. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY THE FOLLOWING:
   A. HILTI INC., CONTACT HILTI AT (800)-879-8000 FOR PRODUCT RELATED QUESTIONS.
   B. SIMPSON FASTENERS, CONTACT SIMPSON AT (800)-999-5099 FOR PRODUCT RELATED QUESTIONS.
2. ANCHORAGE TO CONCRETE
   A. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
   - HILTI HIT-RE 500 V3 SYSTEM WITH HILTI HIT-Z(-R) RODS PER ICC ESR-3187.
   - SIMPSON SET-3G EPOXY-TIE ADHESIVE WITH ASTM GRADE 36 STANDARD THREADED RODS PER ICC ESR-5334.
3. REBAR DOWELING INTO CONCRETE
   A. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
   - HILTI HIT-RE 500 V3 ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3814.
   - SIMPSON SET-3G EPOXY-TIE ADHESIVE WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3298.
4. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI, SIMPSON, OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTORS SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
5. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
6. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ON SITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENT CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
7. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
8. IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, LATEST EDITION, APPENDIX D, THE FOLLOWING MINIMUM CHARACTERISTICS MUST BE ACHIEVED, UNLESS MANUFACTURER'S DOCUMENTATION PERMITS FULLY RATED INSTALLATIONS WITH ALTERNATE CHARACTERISTICS:
   B. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308;
   C. ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH A ROTARY IMPACT DRILL OR ROCK DRILL;
   D. CONCRETE AT TIME OF ANCHOR INSTALLATION SHALL HAVE A MINIMUM
   E. COMPRESSIVE STRENGTH OF 2500 PSI;
   F. CONCRETE AT TIME OF ANCHOR INSTALLATION SHALL HAVE MINIMUM AGE OF 21 DAYS (ACI 318-11 D2.2.2);
   G. INSTALLATION SHALL FOLLOW MANUFACTURERS REQUIREMENTS BASED ON SUBSTRATE, INSTALLATION AND IN-SERVICE TEMPERATURES.
9. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY HILTI FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS.
10. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.9.2.4.

STRUCTURAL STEEL

1. DETAIL, FABRICATE, AND ERECT STRUCTURAL STEEL FRAMING IN ACCORDANCE WITH THE AISC STEEL CONSTRUCTION MANUAL AND ANSI/AISC 360, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, APPLICABLE EDITIONS.
2. CONFORM TO AWS D1.1, STRUCTURAL WELDING CODE-STEEL, APPLICABLE EDITION FOR ALL WELDED CONNECTIONS.
3. ANY CONNECTIONS WITHOUT WELD SYMBOLS SHALL BE AT A MINIMUM WELDED ALL AROUND WITH THE MINIMUM FILLET OR BUTT WELD SIZE.
4. STRUCTURAL STEEL ANGLES, PLATES, ETC. SHALL CONFORM TO ASTM A36 REQUIREMENTS (36 KSI). STRUCTURAL STEEL W AND C SHAPES SHALL CONFORM TO ASTM A992 (50 KSI). STRUCTURAL TUBING AND PIPES SHALL CONFORM TO THE ASTM A500 GRADE B REQUIREMENTS (46 KSI).
5. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:
   A. ALL BOLTED CONNECTIONS ARE TO BE 3/4" MINIMUM DIAMETER A325 TYPE N OR SC BOLTS IN STANDARD HOLES UNLESS NOTED OTHERWISE OR AS DETERMINED BY THE CONNECTION DESIGNER OR NOTED ON THE PLANS. DESIGN USING STANDARD HOLES UNLESS OTHERWISE NOTED OR REQUIRED FOR ERECTION.
   B. MINIMUM CAPACITY OF BEAM CONNECTIONS: FOR CONNECTIONS NOT DETAILED, PROVIDE CONNECTION CAPACITY OF AT LEAST THAT REQUIRED BY PART 3 OF THE AISC MANUAL IN THE SECTION "MAXIMUM TOTAL UNIFORM LOAD TABLES" FOR LRFD DESIGN OR "ALLOWABLE LOADS ON BEAMS" FOR ALLOWABLE STRESS DESIGN, FOR THE GIVEN MEMBER AND STEEL SPECIFICATIONS. CONCENTRATED LOADS NEAR SUPPORTS MUST BE ADDED.
   C. THE DESIGN SHEAR FOR EACH CONNECTION UNLESS NOTED ON THE DRAWINGS SHALL BE 110% OF THE REACTION FROM A UNIFORM LOAD OVER THE SPAN WHICH CREATES THE MAXIMUM DESIGN MOMENT FOR ROOF/FLOOR BEAM CONNECTIONS AND 180% FOR COMPOSITE FLOOR CONNECTIONS. THE MINIMUM REACTION SHALL BE 14 KIPS.
   E. CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER. USE MINIMUM OF TWO 3/4" DIAMETER A325 BOLTS PER CONNECTION.
7. SUBMITTALS:
   A. PRODUCT DATA OR MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR THE FOLLOWING PRODUCTS. INCLUDE LABORATORY TEST REPORTS AND OTHER DATA TO SHOW COMPLIANCE WITH SPECIFICATIONS.
   a. STRUCTURAL STEEL INCLUDING CERTIFIED COPIES OF MILL REPORTS/COVERING CHEMICAL AND PHYSICAL PROPERTIES.
   b. HIGH STRENGTH BOLTS (EACH TYPE), INCLUDING NUTS AND WASHERS; FOR INFORMATION ONLY.
   c. STRUCTURAL STEEL PRIMER PAINT.
   d. SHRINKAGE RESISTING GROUT.
   B. SHOP DRAWINGS PREPARED UNDER SUPERVISION OF A LICENSED STRUCTURAL ENGINEER, INCLUDING COMPLETE DETAILS AND SCHEDULES FOR FABRICATION AND ASSEMBLY. DUPLICATION OF CONTRACT DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.

CONTRACTOR / OWNER NOTES

1. JOB SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. REVIEW OF THE CONSTRUCTION BY THE ENGINEER IS FOR CONFORMANCE WITH DESIGN ASPECTS ONLY, NOT TO REVIEW THE CONTRACTOR'S PROVISIONS FOR JOB SITE SAFETY. GUIDELINES FOR CONSTRUCTION SAFETY SHALL BE IN ACCORDANCE WITH, BUT NOT LIMITED TO, THE CONSTRUCTION INDUSTRY OSHA SAFETY AND HEALTH STANDARDS (1926 STANDARDS), AND ANY LOCAL ORDINANCES OR CODES THAT MIGHT APPLY. LACK OF COMMENT ON THE PART OF THE ENGINEER WITH REGARD TO JOB SITE SAFETY IS NOT TO BE INTERPRETED AS APPROVAL OF JOB SITE SAFETY ASPECTS.
2. ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO BEGINNING ANY WORK. IF EXISTING CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND PROVIDE AN ACCURATE SKETCH OF THE CONDITION, INCLUDING A PROPOSED MODIFICATION OR CORRECTION, FOR REVIEW AND APPROVAL.
3. THE CONTRACTOR SHALL REVIEW THE NEED FOR TEMPORARY SHORING AND BRACING PRIOR TO THE CUTTING AND/OR REMOVAL OF ANY EXISTING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE DEVELOPMENT AND COORDINATION OF THE SEQUENCE OF TEMPORARY VERTICAL AND LATERAL BRACING, SHORING, DEMOLITION, AND NEW CONSTRUCTION AS PROJECT CONDITIONS REQUIRE TO MAKE SAFE ALL STRUCTURAL ELEMENTS AND ADJACENT ELEMENTS IMPACTED BY THE PROJECT SCOPE OF WORK.
4. THIS STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE CONCRETE SLAB HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY EXTENDS TO ALL RELATED ASPECTS OF THE CONSTRUCTION ACTIVITY INCLUDING, BUT NOT LIMITED TO, ERECTION METHODS, ERECTION SEQUENCE, TEMPORARY BRACING, FORMS, SHORING, USE OF EQUIPMENT, AND SIMILAR CONSTRUCTION PROCEDURES, UNLESS SPECIFICALLY INDICATED ON THE CONTRACT DOCUMENTS. LACK OF COMMENT ON THE PART OF THE ENGINEER WITH REGARD TO CONSTRUCTION PROCEDURES IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE PROCEDURES.
5. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR WORK DISRUPTING THE ENTRANCES AND EXITS TO THE SCHOOL. THE RE-DIRECTION, BLOCKING AND REROUTING OF PEDESTRIAN TRAFFIC MUST BE IN PLACE AND COORDINATED PRIOR TO START OF WORK.
6. TEMPORARILY RELOCATE ANY UTILITIES THAT MAY INTERFERE WITH CONCRETE REPAIRS. REFER TO "TEMPORARY UTILITY RELOCATION NOTE" ON THIS SHEET

ABANDONED INTERIOR POOL – STRUCTURAL FILL AND COMPACTION NOTES

1. SCOPE: EXISTING POOL SHALL BE ABANDONED AND INFILLED TO SUPPORT A NEW SLAB-ON-GRADE. REMOVE ALL POOL EQUIPMENT, DEBRIS, LOOSE/UNSOUND MATERIALS, AND STANDING WATER PRIOR TO FILL PLACEMENT.
2. DRAINAGE / WATER RELIEF (CLOSED VOLUME): PROVIDE MEANS TO PREVENT WATER FROM BEING TRAPPED WITHIN THE ABANDONED POOL TANK. COORDINATE WITH OWNER/PLUMBING/CIVIL TO PROVIDE AN APPROVED DRAIN CONNECTION OR RELIEF METHOD PRIOR TO FILL PLACEMENT. DO NOT ENCAPSULATE STANDING WATER OR ACTIVE INFLOW.
3. STRUCTURAL FILL MATERIAL:

   PROVIDE CLEAN, FREE-DRAINING GRANULAR STRUCTURAL FILL CONSISTING OF ONE OF THE FOLLOWING (OR APPROVED EQUAL):

   a) AASHTO NO. 57 CRUSHED STONE (PREFERRED)

   b) PENNDOT 2A MODIFIED STONE (OR LOCAL EQUIVALENT "2A")

   c) WELL-GRADED CRUSHED AGGREGATE (GW/GP) FILL SHALL BE INORGANIC AND FREE OF CLAY, SILT, TOPSOIL, ORGANICS, TRASH, OR DELETERIOUS MATERIAL.
4. PLACEMENT / LIFTS: PLACE STRUCTURAL FILL IN UNIFORM HORIZONTAL LIFTS NOT EXCEEDING 8 INCHES LOOSE THICKNESS (MAX 6 INCHES IF USING SMALL PLATE COMPACTOR). DO NOT END DUMP FROM HEIGHTS THAT CAUSE SEGREGATION.
5. COMPACTION (LIMITED ACCESS): COMPACT EACH LIFT USING WALK-BEHIND VIBRATORY PLATE COMPACTOR OR RAMMER/JUMPING JACK SUITABLE FOR INTERIOR ACCESS. HEAVY ROLLERS ARE NOT REQUIRED OR PERMITTED INSIDE THE BUILDING.
6. COMPACTION CRITERIA: COMPACT STRUCTURAL FILL TO A MINIMUM OF 95% OF ASTM D698 (STANDARD PROCTOR), OR TO REFUSAL AS PRACTICAL FOR CLEAN CRUSHED STONE, USING MULTIPLE PASSES PER LIFT. REWORK AND RECOMPACT ANY AREAS EXHIBITING SETTLEMENT, RUTTING, OR INSTABILITY.
7. FINAL GRADE / SLAB SUPPORT: GRADE THE TOP OF STRUCTURAL FILL TO PROVIDE A FIRM, LEVEL WORKING SURFACE. PROVIDE A LEVELING COURSE (MAX 1"–2") OF SAND/FINES ONLY IF REQUIRED FOR FINAL GRADE/TOLERANCE; DO NOT PLACE THICK UNCOMPACTED FINES LAYERS.
8. SLAB PLACEMENT: CAST NEW SLAB-ON-GRADE PER STRUCTURAL DETAILS. PROVIDE VAPOR BARRIER BELOW NEW SLAB-ON-GRADE WHERE MOISTURE MIGRATION MAY OCCUR OR WHERE MOISTURE-SENSITIVE FLOOR FINISHES ARE INSTALLED; COORDINATE FINAL REQUIREMENT WITH ARCHITECT/OWNER. DO NOT PLACE SLAB UNTIL STRUCTURAL FILL PLACEMENT AND COMPACTION IS COMPLETE AND ACCEPTED.
9. CONSTRUCTION LOADING: DO NOT STOCKPILE MATERIALS OR APPLY HEAVY CONSTRUCTION LOADS ON PARTIALLY COMPACTED FILL. LIMIT EQUIPMENT TO WALK-BEHIND COMPACTION EQUIPMENT UNTIL SLAB IS CAST AND ACHIEVES REQUIRED STRENGTH.
10. ENGINEER NOTIFICATION: IF UNEXPECTED VOIDS, HOLLOW SOUNDING AREAS, OR WATER INFLOW IS ENCOUNTERED, STOP WORK AND NOTIFY ENGINEER FOR ADDITIONAL DIRECTION.10.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 (LATEST EDITION), "SPECIFICATIONS FOR STRUCTURAL CONCRETE IN BUILDINGS" AND ACI 318 (LATEST EDITION), "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."
2. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE. SLABS ON GRADE SHALL DEVELOP A COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
3. ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, MUST FOLLOW THE LATEST ACI CODE AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
4. CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW, TOGETHER WITH LABORATORY REPORTS ATTESTING THAT THE MIXES CAN ATTAIN THE MINIMUM DESIGN STRENGTH REQUIRED IN ACCORDANCE WITH CHAPTER 5 OF ACI 301 (LATEST EDITION). IF DURING CONSTRUCTION ANY CONCRETE FAILS TO MEET THE ACCEPTANCE CRITERIA, THE CONTRACTOR SHALL TAKE SUCH STEPS AS ARE DEEMED NECESSARY BY THE STRUCTURAL ENGINEER TO IMPROVE SUBSEQUENT TEST RESULTS AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL ALSO BEAR THE COST OF SPECIAL INVESTIGATION, TESTING, OR REMEDIAL WORK NECESSARY BECAUSE OF EVIDENCE OF LOW STRENGTH OR NON-CONFORMING CONCRETE OR WORKMANSHIP.
5. CONTRACTOR SHALL SUBMIT STEEL REINFORCING DRAWINGS THAT DETAIL FABRICATION, BENDING AND PLACEMENT. INCLUDE BAR SIZES, LENGTHS, MATERIAL, GRADE, BAR SCHEDULES, STIRRUP SPACING, BENT BAR DIAGRAMS, BAR ARRANGEMENTS, SPLICES AND LAPS, MECHANICAL CONNECTIONS, TIE SPACING, HOOP SPACING AND SUPPORTS FOR CONCRETE REINFORCING. A 4"x4" SQUARE AREA NEAR THE TITLE BLOCK SHALL BE RESERVED FOR THE ENGINEER'S REVIEW STAMP. THE ENGINEER'S DRAWINGS MAY NOT BE REPRODUCED IN WHOLE OR PART AS A SHOP DRAWING. SHOP DRAWINGS SHALL BE CHECKED PRIOR TO SUBMITTAL. ANY DISREGARD FOR THE AFORESAID REQUIREMENTS SHALL BE CAUSE FOR REJECTION OF THE SUBMITTAL WITHOUT REVIEW.
6. NO ADMIXTURES ARE PERMITTED WITHOUT THE ENGINEER'S WRITTEN PERMISSION OTHER THAN ENTRAINED AIR. CONCRETE EXPOSED TO THE WEATHER, SUCH AS THAT USED IN FOUNDATION WALLS, SHALL CONTAIN 4% MIN. AND 6% MAX. ENTRAINED AIR.
7. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
8. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185, GRADE 60, WITH A MINIMUM YIELD STRENGTH OF 75KSI AND SHALL BE SUPPLIED IN FLAT SHEETS. LAP TWO MESHES AT SIDES AND ENDS, AND WIRE TIE TOGETHER.
9. CONCRETE SLABS SHALL BE PROTECTED FROM LOSS OF SURFACE MOISTURE FOR NOT LESS THAN 7 DAYS BY USING A CURING COMPOUND CONFORMING TO ASTM C-309, BY WET BURLAP, OR A PLASTIC MEMBRANE.
10. NO WELDING OF REINFORCING BARS WILL BE PERMITTED.
11. MIXING, TRANSPORTING AND PLACING OF CONCRETE SHALL CONFORM TO ACI 301 (LATEST EDITION).
12. MINIMUM CONCRETE COVER PROTECTION FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS: (SEE ACI 318 (LATEST EDITION) SECTION 7.7 FOR CONDITIONS NOT NOTED)

    SLABS ON GRADE (MAX) 2 INCHES (TOP)

    PROVIDE STANDARD BAR CHAIRS AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED.
13. REINFORCEMENT DESIGNATED AS "CONTINUOUS" SHALL LAP 36 BAR DIAMETERS MINIMUM AT SPLICES, UNLESS NOTED OTHERWISE:
14. SLABS WITH SHRINKAGE STEEL (WWF) SHALL HAVE CONSTRUCTION JOINTS OR CONTRACTION JOINTS IN EACH DIRECTION. CRACK CONTRACTION JOINTS SHALL BE PROVIDED, SUCH THAT THE MAXIMUM SPACING BETWEEN CONSTRUCTION AND CRACK CONTROL JOINTS DOES NOT EXCEED 15' AND DOES NOT EXCEED A LENGTH TO WIDTH RATIO 1.5:1.
15. CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT FINISHED SURFACES FROM STAINS OR ABRASIONS. NO FIRE SHALL BE ALLOWED IN DIRECT CONTACT WITH CONCRETE. PROVIDE ADEQUATE PROTECTION AGAINST INJURIOUS ACTION BY SUN OR WIND. FRESH CONCRETE SHALL BE THOROUGHLY PROTECTED FROM MECHANICAL INJURY.
16. SLUMP TESTS SHALL BE MADE PRIOR TO THE ADDITION OF PLASTICIZERS. CONCRETE FOR THE PREPARATION OF TEST CYLINDERS SHALL BE TAKEN FROM THE HOSE END FOR CONCRETE PLACED BY PUMP.
17. WATER SHALL NOT BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE REQUIREMENTS OF THE CONCRETE SUPPLIER AND PUMPER TO ENSURE PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTICIZERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR PROPER USE OF RETARDANTS AND OTHER ADDITIVES. USE OF CALCIUM CHLORIDE OR OTHER CHLORIDE BEARING SALTS SHALL NOT BE PERMITTED.
18. PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL THE CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE SLABS SURFACE WATER. FINISHING OF SLAB SURFACES SHALL COMPLY WITH ACI RECOMMENDATIONS 302 AND 304 (LATEST EDITION) FOR GARAGES.
19. CONTRACTION JOINTS, IF SAW CUT, SHALL MEET THE FOLLOWING REQUIREMENTS:

    JOINT DEPTH: 1/4 OF SLAB THICKNESS
    SOFT-CUT SAW: JOINTS TO BE CUT WITHIN 2 HOURS OF FINISHING
    WET-CUT SAW: JOINTS TO BE CUT BETWEEN 4 AND 12 HOURS AFTER FINISHING.
20. PROVIDE POUR STOP MATERIAL WHERE NOT INDICATED ON PLAN AS REQUIRED TO COMPLETE JOB.
21. TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C172 SHALL BE PERFORMED ACCORDING TO THE FOLLOWING REQUIREMENTS:
    a. OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAYS POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CU. YDS BUT LESS THAN 25 CU YDS., PLUS ONE SET FOR EACH ADDITIONAL 50 CU YD OR FRACTION THEREOF.
    b. CONCRETE SLUMP, AIR CONTENT AND TEMPERATURE SHALL BE TAKEN AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE. PERFORM ADDITIONAL TEST WHEN CONSISTENCY APPEARS TO CHANGE.
    c. COMPRESSION TEST SPECIMENS SHALL BE PER ASTM C31 REQUIREMENTS. CAST AND CURE ONE SET OF FIVE STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
    d. COMPRESSION STRENGTH TEST SHALL BE PER ASTM C39. TEST TWO LABORATORY-CURED SPECIMENS AT 7 DAYS AND TWO SPECIMENS AT 28 DAYS. MAINTAIN AND CURE ONE FIELD CURED SPECIMEN FOR 56 DAYS OR LONGER AT THE REQUEST OF THE ENGINEER.
22. REQUIRED VERIFICATION, TESTING, AND SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE PA UCC AND THE 2018 IBC, CHAPTER 17, AS FOLLOWS:

    a) CONCRETE: SPECIAL INSPECTIONS OF CONCRETE CONSTRUCTION SHALL COMPLY WITH 2018 IBC TABLE

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NOT FOR CONSTRUCTION

SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	Apv	By	Date
	BID SET			3/3/26

COVER SHEET AND GENERAL NOTES

Designed By: AM	Drawn By: SGY	Checked By: PMG
Issue Date: 12/05/2025	Project No.: 105392	Scale: NOTED

Drawing No.: S-001

Sheet 1 of 5

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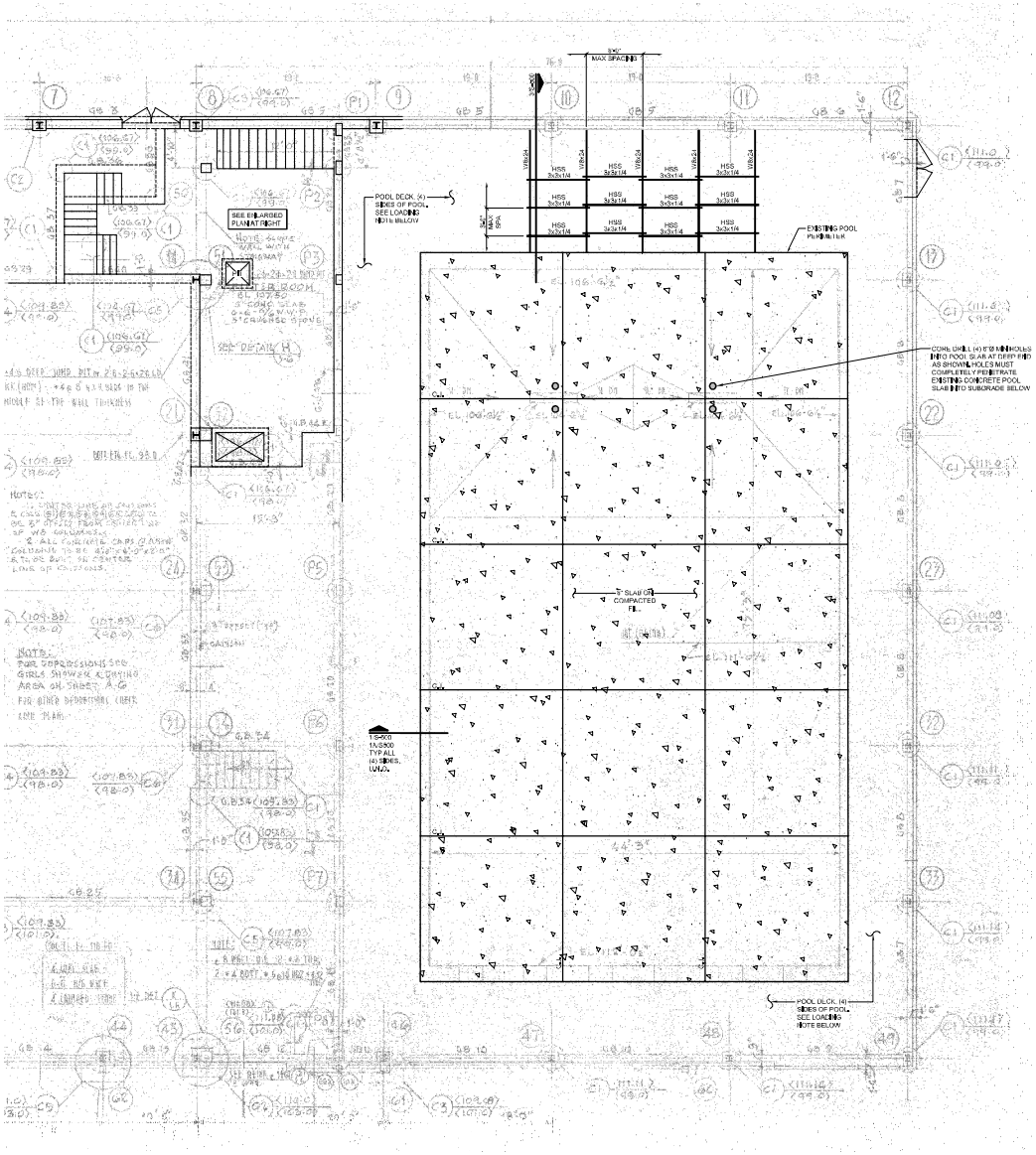


PLAN

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

1. THE SCOPE OF THE REPAIR WORK ASSOCIATED WITH THIS PROJECT IS SHOWN IN DARK LINES AND NOTES. THE REMAINING LINES AND NOTES ARE FROM ORIGINAL 1970 STRUCTURAL CONSTRUCTION DOCUMENTS FOR THE SCHOOL AND SERVE ONLY AS BUILDING BACKGROUNDS. THESE BACKGROUND DRAWINGS DO NOT CONTAIN ANY SCOPE RELATED INSTRUCTIONS.
2. DIMENSIONS AND ELEVATIONS ARE SHOWN FOR CONVENIENCE ONLY. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO DEMOLITION, FABRICATION OR START OF CONSTRUCTION.
3. SEE S-001 FOR GENERAL NOTES

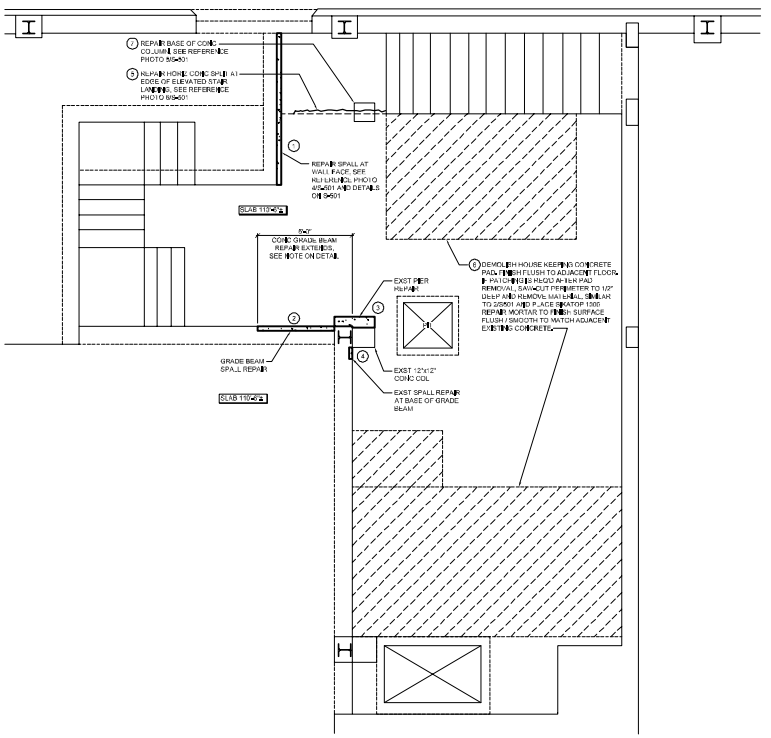
MAXIMUM PERMISSIBLE LOADS THAT MAY BE APPLIED TO THE EXISTING POOL DECK DURING CONSTRUCTION WITHOUT ADDITIONAL ANALYSIS:

- (A): UNIFORM DISTRIBUTED LOAD: 150 PSF

OR

- (B): CONCENTRATED POINT LOAD AT CENTER OF TUNNEL SLAB: 2,500 LBS

NOTE: THE LOAD LIMITS ARE ALTERNATIVE AND SHALL NOT BE APPLIED SIMULTANEOUSLY. EITHER LOAD CASE (A) OR LOAD CASE (B) IS PERMITTED.



PARTIAL ENLARGED PLAN AT POOL EQUIPMENT ROOM

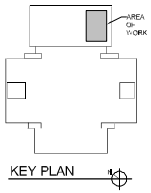
SCALE: 3/8"=1'-0"

SCOPE OF WORK, POOL EQUIPMENT ROOM:

1. PATCH AND REPAIR 50 SF OF SPALLS ON NORTH / WEST WALL, AS INDICATED IN DETAIL 1/S-501 AND REPAIR DETAILS / NOTES ON S-501
2. PATCH AND REPAIR 20 SF OF SPALLS ON SOUTH GRADE BEAM WALL, AS INDICATED IN DETAIL 1/S-502, 5/S-502, 7/S-502 AND REPAIR DETAILS / NOTES ON S-501
3. REPAIR EXIST CONCRETE PIER RECESS WITH CONCRETE COLUMNS, SEE SHORING AND REPAIR DETAILS ON S-002, AND REPAIR DETAILS NOTED ON S-501
4. PATCH AND REPAIR 2 SF OF SPALLS ON NORTH / EAST GRADE BEAM WALL, AS INDICATED IN DETAIL 7/S-501 AND REPAIR DETAILS / NOTES ON S-501
5. REPAIR 3 CUFT LINEAR CORNER SPALL OF ELEVATED CONCRETE STAIR LANDING, AS INDICATED IN DETAIL 5/S-501 AND REPAIR DETAILS / NOTES ON S-501
6. DEMOLISH 200 SF OF ELEVATED HOUSE KEEPING CONCRETE PAD. FINISH FLUSH TO ADJACENT FLOOR, SEE ADDITIONAL NOTES ON ENLARGED PLAN
7. REPAIR 2 CUFT CORNER SPALLING AT BASE OF CONCRETE COLUMN, AS INDICATED IN DETAIL 8/S-501 AND REPAIR DETAILS / NOTES ON S-501

COAT ALL CONCRETE WALLS WITHIN POOL ROOM WITH PENETRATING CONCRETE SEALER. SEE NOTES ON SHEET S-001

TEMPORARILY RELOCATE ANY UTILITIES THAT MAY INTERFERE WITH CONCRETE REPAIRS



KEY PLAN

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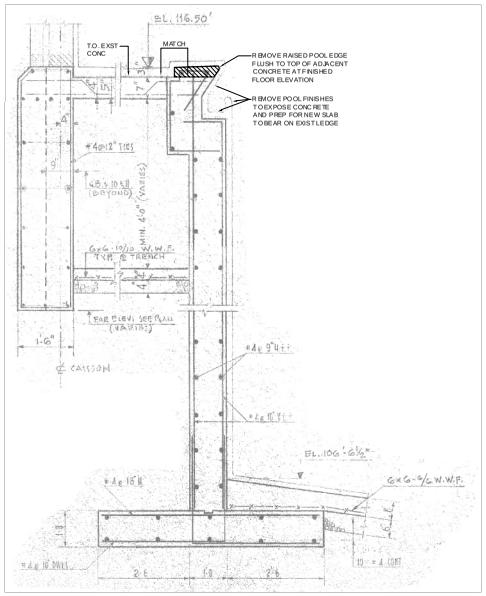
SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	Qty	By	Date
	BID SET			3/3/26

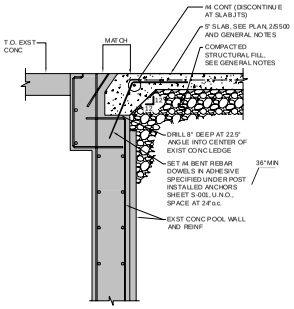
PLAN

Designed By:	Drawn By:	Checked By:
AM	SGY	PWG
Issue Date:	Project No.:	Scale:
12/05/2025	105392	NOTED

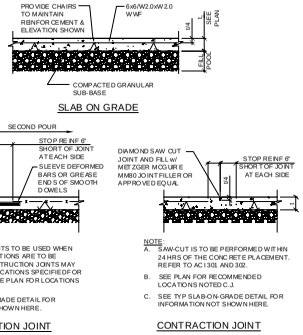
Drawing No.:
S-100
Sheet 2 of 5



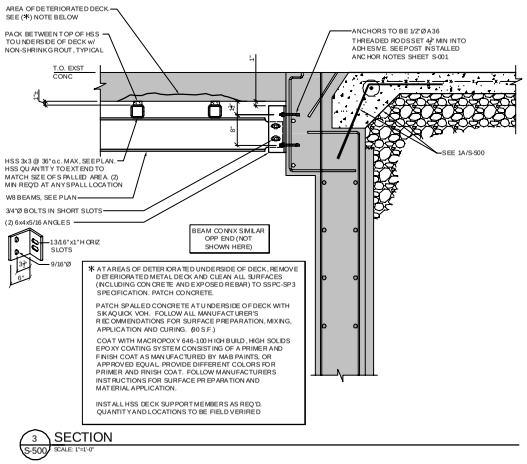
1 S-500 **EXISTING / DEMO SECTION**
SCALE: 3/4"=1'-0"
SEE PLAN NOTE REGARDING EXISTING BACKGROUND INFORMATION SHOWN HERE



1A S-500 **SECTION**
SCALE: 3/4"=1'-0"
SEE PLAN NOTE REGARDING EXISTING BACKGROUND INFORMATION SHOWN HERE



2 S-500 **TYP SLAB ON GRADE DETAILS**
SCALE: NONE



3 S-500 **SECTION**
SCALE: 1"=1'-0"

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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	App. By	Date
	BID SET		3/3/26

SECTIONS AND DETAILS

Designed By:	Drawn By:	Checked By:
AM	SGY	PWG
Issue Date:	Project No.	Scale:
12/05/2025	105392	NOTED

Drawing No.:
S-500
Sheet 3 of 5

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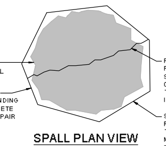
PENETRATING CORROSION INHIBITOR:

COAT ALL WALLS IN POOL EQUIPMENT ROOM AND PREPARED REPAIR AREAS. INCLUDE CONCRETE COLUMNS TO (+)10'-0" ABOVE F.F. EXCLUDE PAINTED CONCRETE WALLS:

1. ALL SURFACES TO BE COATED MUST BE DRY, CLEAN, SOUND, AND FROST FREE WITH CURING COMPOUND RESIDUES, EXISTING PAINT OR COATINGS, AND ANY OTHER FOREIGN MATTER REMOVED. AN OPEN TEXTURED SANDPAPER LIKE SURFACE IS IDEAL (CSP-3). WHERE NECESSARY, SURFACES SHOULD BE PREPARED MECHANICALLY BY BLAST CLEANING OR HIGH SPEED PRESSURE WATERJETTING. ALLOW ADEQUATE TIME FOR DRYING. SEE COATING MANUFACTURER'S SPECIFICATION FOR ADDITIONAL SURFACE PREPARATION REQUIREMENTS, PRODUCT MIXING, APPLICATION, CLEAN UP AND CURING.

2. APPLY Sika FerroGard 903 (OR APPROVED EQUAL) CORROSION INHIBITOR TO CONCRETE SURFACE ACCORDING TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS.

3. WHEN SIKA FERROGARD-903 IS USED PRIOR TO THE APPLICATION OF A REPAIR MORTAR, CONCRETE OVERLAY, PROTECTIVE COATING, OR ANY OTHER APPLICATION, CARE MUST BE TAKEN TO REMOVE ANY RESIDUE REMAINING ON THE SURFACE FROM THE APPLICATION OF SIKA FERROGARD-903. CLEAN THE SUBSTRATE IN SUCH A MANNER (I.E. PUSH THE WATER IN ONE DIRECTION AWAY AND OFF FROM THE SURFACE TO BE OVERCOATED) TO COMPLETELY REMOVE ANY RESIDUE. HORIZONTAL SURFACES REQUIRE PRESSURE WASHING (2,000 PSI MINIMUM) TO REMOVE THE RESIDUE. VERTICAL SURFACES MAY BE RINSED WITH WATER OR PRESSURE WASHED. THE USE OF SIKA ARMATEC 110 EPOCEM AS A BONDING AGENT PRIOR TO THE APPLICATION OF REPAIR MORTARS OR CONCRETE OVERLAYS IS SUGGESTED. DRYING TIMES DEPEND ON ENVIRONMENTAL CONDITIONS, ABSORBENCY OF THE SUBSTRATE AND MAXIMUM RECOMMENDED MOISTURE CONTENT FOR THE SUBSEQUENTLY APPLIED SYSTEM.

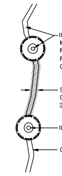


SPALL PLAN VIEW

1 S-501 TYPICAL SPALL PREPARATION DETAIL
SCALE: NONE

VERTICAL CONCRETE CRACK REPAIR (EPOXY INJECTION):

1. CRACK REPAIR: OPTION FOR SIKADUR 35 HI MOD LV (FOR APPLICATION WITH PNEUMATIC PUMP) OR SIKA CRACK WELD KIT (FOR APPLICATION WITH A SEALANTING GUN).
2. SET INJECTION PORTS ALONG THE CRACK AND SEAL PORTS AND CRACK WITH SIKADUR 31 HI-MOD GEL.
3. WHEN SIKADUR 31 EPOXY SEAL HAS CURED, INJECT SIKADUR 35 HI-MOD LV OR SIKA CRACKWELD INTO PORTS WITH STEADY PRESSURE. START INJECTION PROCESS INTO THE FIRST (LOWER) PORT. WHEN RESIN BEGINS TO FLOW FROM THE ADJACENT PORT, CLOSE OFF THE FIRST PORT AND DISCONNECT THE HOSE. RECONNECT TO THE SECOND PORT AND INJECT UNTIL RESIN STARTS TO FLOW FROM THE THIRD PORT. REPEAT THIS PROCESS UNTIL THE WHOLE CRACK HAS BEEN INJECTED.
4. AFTER THE RESIN HAS BEEN ALLOWED TO CURE, THE INJECTION PORTS AND CAPSEAL SHOULD BE REMOVED AND ANY HOLES OR VOIDS SHOULD BE FILLED.
5. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION, PRODUCT MIXING, APPLICATION, CLEAN UP AND CURING.



INJECTION CRACK REPAIR DETAIL
SCALE: NONE

2 S-501 CRACK INJECTION REPAIR DETAIL
SCALE: NONE

CONCRETE PATCH REPAIRS:

1. THE CONCRETE REPAIR SHOULD EXTEND A FEW INCHES OUTSIDE THE LOOSE OR SPALLED CONCRETE UNTIL SOUND CONCRETE IS REACHED. SOUND CONCRETE WITH CHAIN DRAG, HAMMER, OR OTHER METHOD TO DETERMINE EXTENTS OF SPALLS. THE REPAIR BOUNDARIES SHOULD BE ACHIEVED BY MAKING STRAIGHT SAW CUTS AND KEPT AS CLOSELY AS POSSIBLE TO A RECTANGULAR PATTERN. SAW CUT THE PERIMETER OF THE REPAIR AREA TO A MINIMUM DEPTH OF 1/4".

2. MECHANICALLY PREPARE AREA TO BE REPAIRED. PREPARATION WORK SHOULD BE DONE BY HIGH SCABBLER, SCARIFICATION, CHIPPING GUN OR OTHER APPROPRIATE MECHANICAL MEANS TO OBTAIN AN EXPOSED AGGREGATE SURFACE WITH A MINIMUM SURFACE PROFILE OF 1/16" (CSP 5 OR GREATER PER ICRI TECHNICAL GUIDELINE NO. 03732). BE SURE THE AREA TO BE REPAIRED IN NOT LESS THAN 1/4" IN DEPTH.

3. AREAS WHERE CORROSION HAS DEPLETED THE CROSS SECTION OF ANY EXISTING REINFORCING STEEL BY 25% OR MORE; NOTIFY ENGINEER FOR DIRECTION ON REPLACEMENT OR ADDITION OF REBAR PLACEMENT. THE ENGINEER MUST INSPECT THE REINFORCEMENT PRIOR TO THE APPLICATION OF ANY BONDING AGENT.

4. REINFORCING STEEL PROTECTION: WHERE CORRODED REINFORCEMENT IS EXPOSED, CHIP BACK CONCRETE TO PROVIDE 3/4" CLEARANCE BEHIND BAR. CLEAN CORROSION PRODUCT FROM STEEL REINFORCEMENT AND COAT WITH SIKA ARMATEK 110, SIKADUR 32 (OR EQUAL).

PENETRATING CORROSION INHIBITOR:

1. SEE NOTES THIS SHEET FOR APPLICATION OF Sika FerroGard 903.

BONDING AGENT:

1. SIKADUR 32 HI MOD, SIKA ARMATEC 110, OR APPROVED EQUAL FOR USE AS A BONDING AGENT WITH ALL VERTICAL CONCRETE REPAIRS. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION, PRODUCT MIXING, APPLICATION, CLEAN UP AND CURING. DRY FIT FORMWORK PRIOR TO APPLICATION OF BONDING AGENT TO ENSURE PRODUCT OPEN TIME IS NOT EXCEEDED DURING FINAL FORM INSTALLATION AND ATTACHMENT AND PLACEMENT OF PATCHING MATERIALS.

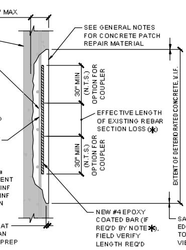
VERTICAL REPAIRS:

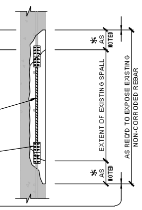
5. HAND APPLIED REPAIRS: SIKATOP 123 PLUS FOR USE AS A FAST SETTING HIGH PERFORMANCE HAND APPLIED REPAIR MORTAR FOR VERTICAL SURFACES. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION, PRODUCT MIXING, APPLICATION, CLEAN UP AND CURING.

6. SHALLOW FORM AND POUR REPAIR APPLICATIONS: SIKATOP 111 PLUS FOR USE AS A FAST SETTING HIGH PERFORMANCE FORM AND POUR REPAIR MORTAR FOR VERTICAL AND OVERHEAD SURFACES. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION, PRODUCT MIXING, APPLICATION, CLEAN UP AND CURING.

7. DEEP FORM AND POUR REPAIR APPLICATIONS: SIKACRETE 211 SCC PLUS WITH SIKAFIBER HP FOR USE AS A SELF CONSOLIDATING CONCRETE MIX FOR REPAIRS WITH MINIMUM DEPTH EXCEEDING 1". CONTACT SIKA CORPORATION TO CONFIRM RECOMMENDED DOSAGE RATE OF SIKAFIBER HP. EXTEND WITH AGGREGATE FOR REPAIR DEPTHS EXCEEDING 3". FOLLOW FORMING REQUIREMENTS PROVIDED IN DETAIL 4/S-501. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION, PRODUCT MIXING, APPLICATION, CLEAN UP AND CURING. APPLY SIKA ARMATEC 110 EPOCEM AS AN ANTI CORROSION COATING FOR EXPOSED STEEL.

- SEE 5/S3 FOR FORM AND POUR VERTICAL WALL SEQUENCE NOTES
- SEE 6/S3 FOR FORM AND PUMP OVERHEAD SEQUENCE NOTES
- SEE 4/S-501 FOR LARGE / DEEP SPALL PATCH REPAIR IN EXCESS OF $2\frac{1}{2}$"

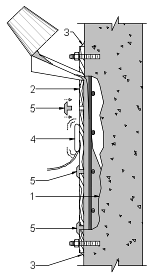




3 S-501 TYPICAL WALL PATCH REPAIR DETAIL
SCALE: NONE

1. PRE-WET SURFACE TO SSD.
2. SET FORM AND CHIP SPOT FOR POUR BOX. APPLY RELEASE AGENT TO FORM OR USE PLACTIC LINED PLYWOOD.
3. RUN BEAD OF SIKAFLEX 1a AROUND FORM EDGE, LET CURE, THEN ANCHOR FORM. FILL WITH WATER TO CHECK FOR WATER TIGHTNESS. LET DRAIN TO NO FREE STANDING WATER.
4. VIBRATE FORM WHILE POURING REPAIR MATERIAL.
5. VENT TO BE CAPPED WHEN STEADY FLOW IS EVIDENT.
6. STRIP FORM WHEN APPROPRIATE.
7. DRY PACK ANCHOR HOLES WITH SIKA MORTAR.

CONSULT MANUFACTURER'S PRODUCT SPECIFIC APPLICATION DIRECTIONS FOR ADDITIONAL INFORMATION NOT NOTED HERE

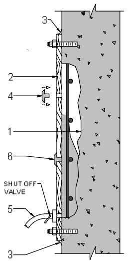


FORM AND POUR REPAIR SEQUENCE
SCALE: NONE
SEE GENERAL NOTES - 'PATCH REPAIR' FOR ADDITIONAL INFORMATION

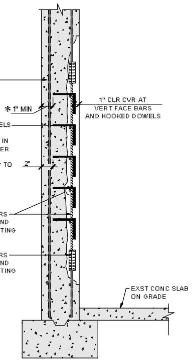
FORM AND PUMP REPAIR:

1. PRE-WET SURFACE TO SSD.
2. SECURE FORMWORK TO ACCOMMODATE MASS AND PRESSURE OF REPAIR MATERIAL. APPLY RELEASE AGENT TO FORM.
3. RUN BEAD OF SEALANT AROUND FORM EDGE. LET CURE PRIOR TO ANCHORING FORM.
4. ARRANGE PORTS FOR PUMP LINE ATTACHMENT WITH A SPACING OF 3'-0" IN A GRID PATTERN. OPEN PORTS AS REQUIRED TO VENT TRAPPED AIR.
5. ATTACH PUMP LINE AND PUMP MATERIAL STARTING AT AN EXTREMITY OF THE POUR AREA. PUMP UNTIL FLOW IS OBSERVED AT ADJACENT PORT. SHUT OFF FLOW.
6. MOVE PUMP TO ADJACENT PORT THAT HAS SEEN FLOW AND CONTINUE PUMPING.
7. CONTINUE THIS SEQUENCE UNTIL THE CAVITY IS FILLED.
8. ONCE THE CAVITY IS FILLED, USE LINE PRESSURE TO PRESSURIZE THE FORMED CAVITY.

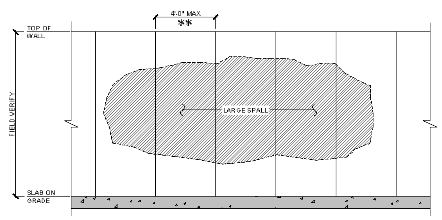
CONSULT MANUFACTURER'S PRODUCT SPECIFIC APPLICATION DIRECTIONS FOR ADDITIONAL INFORMATION NOT NOTED HERE



FORM AND PUMP REPAIR SEQUENCE
SCALE: NONE
SEE GENERAL NOTES - 'PATCH REPAIR' FOR ADDITIONAL INFORMATION



TO BE USED FOR SPALL DEPTHS IN EXCESS OF $2\frac{1}{2}$"



BASEMENT WALL ELEVATION - LARGE PATCH
SCALE: NONE

** AT LARGE SPALL AREAS EXCEEDING 4'-0" IN WIDTH, THE REPAIR SHALL BE EXECUTED IN SECTIONS WITH THE WIDTH OF EACH SECTION LIMITED TO 4'-0" MAXIMUM. REPAIR AREAS MUST BE ALLOWED TO CURE AT LEAST 72 HOURS PRIOR TO REMOVAL AND REPAIR OF ADJACENT SPALL AREA.

4 S501 LARGE / DEEP WALL PATCH REPAIR SECTION
SCALE: NONE
TO BE USED FOR SPALL DEPTHS IN EXCESS OF $2\frac{1}{2}$"

SEE NOTES AND DETAILS THIS SHEET FOR SPALL REMOVAL, VERTICAL PATCH REPAIRS AND TREATMENT OF DETERIORATED REINFORCING.
SEE DETAIL 1/S-501 FOR PERIMETER TREATMENT OF SPALL AREA PRIOR TO PLACING REPAIR MORTAR.
REPAIR EXTENT TO BE 50 SF, FULL EXTENTS OF SPALL TO BE FIELD VERIFIED.
IF THE DEMO AND REPAIRS EXTEND BEYOND THE 50 SF NOTED, REFER TO CONTRACT FOR UNIT PRICE FOR ADDITIONAL CONCRETE REPAIR.

4 S501 REFERENCE PHOTO
SCALE: NONE

SEE NOTES AND DETAILS THIS SHEET FOR VERTICAL PATCH REPAIRS AND TREATMENT OF DETERIORATED REINFORCING.
SEE DETAIL 1/S-501 FOR PERIMETER TREATMENT OF SPALL AREA PRIOR TO PLACING REPAIR MORTAR

SAW-CUT AND REMOVE PORTION OF SLAB FOR FULL ACCESS TO SPALL, CONCRETE REMOVAL, AND EXPOSURE TO SOUND REBAR FOR IMPLEMENTATION OF REPAIR PROCEDURES NOTED ON THIS SHEET.
TOTAL REPAIR TO BE 2 CUBIC FEET OF DEMOLITION AND REPAIR MATERIALS. IF THE DEMO AND REPAIRS EXTEND BEYOND THE 2 CUBIC FEET NOTED, REFER TO CONTRACT FOR UNIT PRICE FOR ADDITIONAL CONCRETE REPAIR.

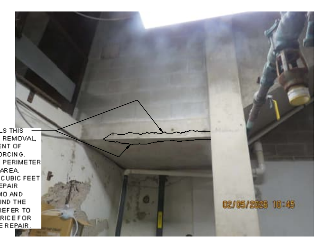
AS REQ'D TO PERFORM COLUMN REPAIR, REPLACE SLAB AFTER REPAIRS ARE COMPLETE

5 S501 REFERENCE PHOTO
SCALE: NONE

G.C. TO TEMP SHORE FLOOR ABOVE DURING CONCRETE REMOVAL AND REPAIR. SHORING TO REMAIN IN PLACE FOR FULL CURING TIMES OF REPAIR PRODUCTS AS SPECIFIED BY REPAIR PRODUCT MFR

SEE 5/S-502 FOR SLAB REPLACEMENT NOTES AND DETAILS

SEE NOTES AND DETAILS THIS SHEET FOR CONCRETE REMOVAL, REPAIRS AND TREATMENT OF DETERIORATED REINFORCING.
SEE DETAIL 4/S501 FOR PERIMETER TREATMENT OF SPALL AREA.
TOTAL REPAIR TO BE 3 CUBIC FEET OF DEMOLITION AND REPAIR MATERIALS. IF THE DEMO AND REPAIRS EXTEND BEYOND THE 3 CUBIC FEET NOTED, REFER TO CONTRACT FOR UNIT PRICE FOR ADDITIONAL CONCRETE REPAIR.



6 S501 REFERENCE PHOTO
SCALE: NONE

SEE NOTES AND DETAILS THIS SHEET FOR SPALL REMOVAL, VERTICAL PATCH REPAIRS AND TREATMENT OF DETERIORATED REINFORCING.
SEE DETAIL 1/S-501 FOR PERIMETER TREATMENT OF SPALL AREA PRIOR TO PLACING REPAIR MORTAR.
REPAIR EXTENT TO BE 2 SF, FULL EXTENTS OF SPALL TO BE FIELD VERIFIED.
IF THE DEMO AND REPAIRS EXTEND BEYOND THE 2 SF NOTED, REFER TO CONTRACT FOR UNIT PRICE FOR ADDITIONAL CONCRETE REPAIR.

7 S501 REFERENCE PHOTO
SCALE: NONE

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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	Apv	By	Date
	BID SET			3/3/26

SECTIONS AND DETAILS

Designed By: AM	Drawn By: SGY	Checked By: PMG
Issue Date: 12/05/2025	Project No.: 105392	Scale: NOTED

Drawing No.: S-501
Sheet 4 of 5

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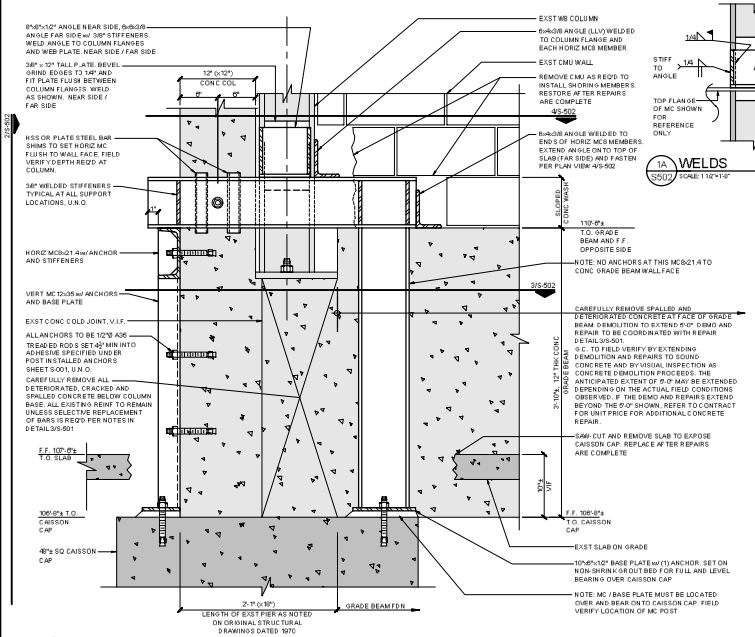
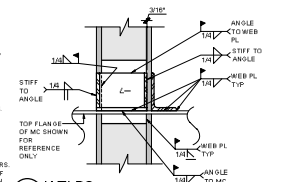


1 S502 **WALL ELEVATION VIEW**
SCALE 1 1/2"=1'-0"
COORD w/ REFERENCE PHOTO 8/S-502 THIS SHEET



1A S502 **WELDS**
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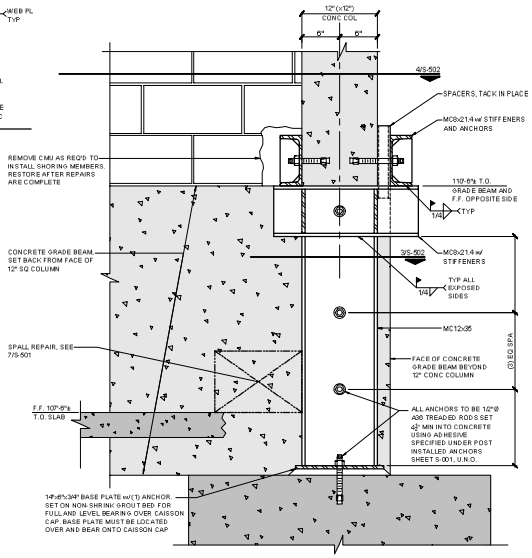
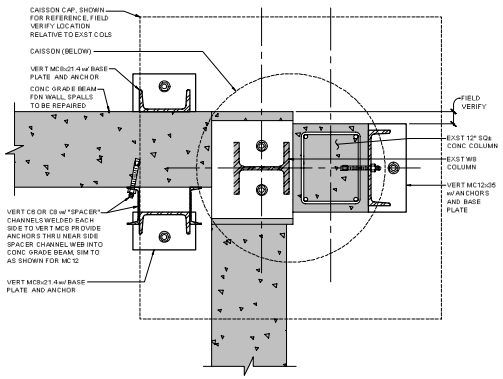
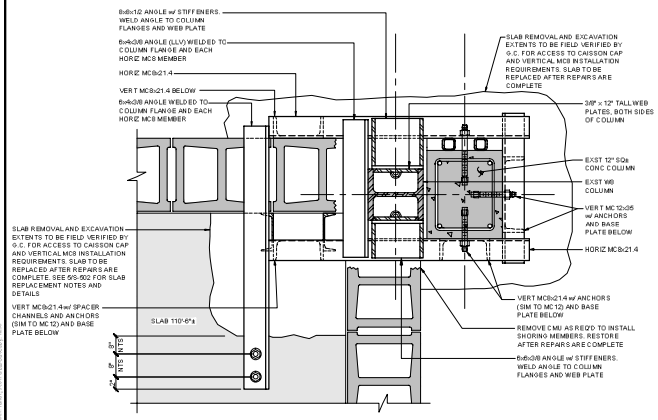


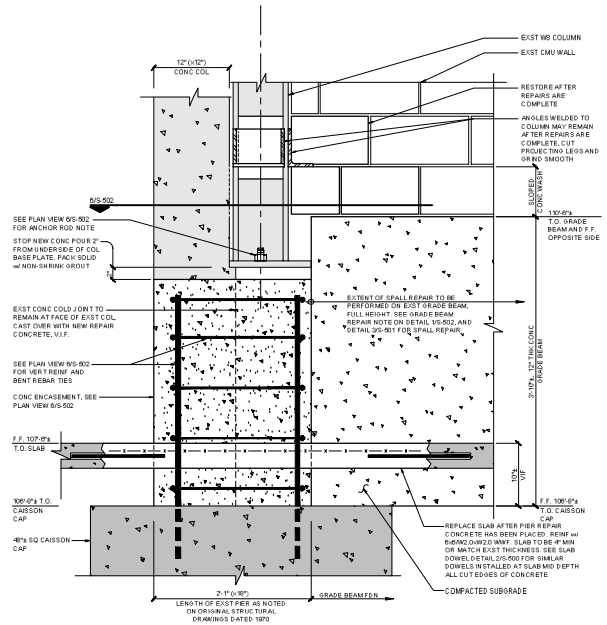
2 S502 **WALL ELEVATION VIEW**
SCALE 1 1/2"=1'-0"



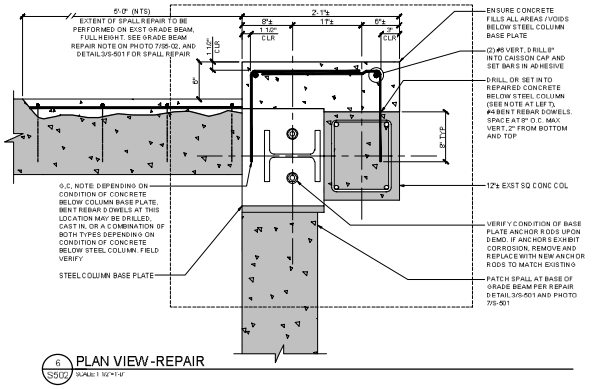
3 S502 **PLAN VIEW**
SCALE 1 1/2"=1'-0"



4 S503 **PLAN VIEW**
SCALE 1 1/2"=1'-0"



5 S503 **WALL ELEVATION VIEW - REPAIR**
SCALE 1 1/2"=1'-0"
APPLY Sika F and-and 903 (OR APPROVED EQUAL) CORROSION INHIBITOR TO CONCRETE SURFACE ACCORDING TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS PRIOR TO PLACING CONCRETE.



6 S502 **PLAN VIEW-REPAIR**
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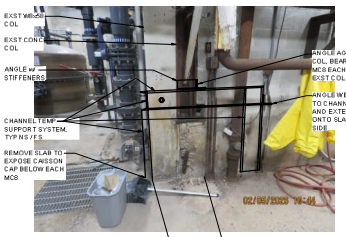

8 S502 **REFERENCE PHOTO**
SCALE: NONE
PHOTO SHOWN FOR BASIC COLUMN SHORING INTENT AND REFERENCE ONLY. SEE DETAILS ON THIS SHEET FOR ADDITIONAL INFORMATION, COMPONENTS, SECTIONS AND DETAILS RELATED TO SHORING

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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	Appr.	By	Date
	BID SET			3/6/26

SECTIONS AND DETAILS

Designed By:	Drawn By:	Checked By:
AM	SGY	PMG
Issue Date:	Project No.	Scale:
12/05/2025	105392	NOTED

Drawing No.:
S-502
Sheet 5 of 5

ELECTRICAL SPECIFICATIONS

A. General Requirements

1. Work shall be in accordance with NFPA 70 (the National Electrical Code)--either the latest version or the version adopted by the local jurisdiction--and all local codes.
2. Secure all permits, inspections, and approvals as required.
3. Furnish and install all materials and labor required to provide complete and operational systems as indicated on the drawings.
4. The electrical drawings are diagrammatic and are intended to show the approximate locations of equipment, devices, raceways, and associated systems. Drawings are not to be scaled for the accurate cutting or its exact placement, but they shall be followed as closely as actual building construction and the work of other trades will permit. The contractor shall verify all dimensions and coordinate the installation of electrical systems with actual conditions in the field.
5. General work practices for electrical construction shall be in accordance with NECA 1, *Good Workmanship in Electrical Construction*, published by the National Electrical Contractors Association.
6. All material and equipment shall be listed and labeled for the application by Underwriters Laboratories or other NRTL, and installed according to its listing.
7. Unless otherwise indicated, this contractor shall perform all cutting and patching of the existing facility for their respective work. Patching shall match existing materials, finishes, and methods of construction.
8. Submit shop drawings to the Engineer for all materials and equipment.
9. Provide protection and storage for equipment and materials during construction.
10. All material and equipment shall be turned over in a new, clean condition.
11. Coordinate work with other trades. Where electrical devices are depicted on other drawings, install as depicted.
12. Provide circuits and final connection to mechanical equipment, furniture and equipment supplied by others. Where electrical drawings and equipment rough-in drawings or equipment submittals are in conflict, consult with Architect for resolution.
13. Coordinate equipment clearances and work space with manufacturer's service recommendations.
14. Provide at least 12-month warranty on all materials, equipment, and workmanship from date of substantial completion.

B. Demolition and Connections to Existing Equipment

1. Owner reserves the right to claim any salvageable materials and equipment. Prior to beginning demolition work, identify items Owner chooses to claim. Remove and store claimed items. Remove and dispose of all unclaimed materials and equipment.
2. Maintain devices and equipment not shown to be demolished, and circuits feeding them.
3. Where existing devices are located in existing walls to be demolished, demolish device, remove wiring back to source. Field verify the extent of wall demolition work prior to providing a bid.
4. In areas of work where there is existing to remain lighting, equipment and devices, clean and wipe down existing lighting, equipment and devices after new work in the area is complete. Verify operation of existing has not changed from what it was prior to new work.
5. Where new equipment replaces existing, extend wiring to the new equipment. Provide additional supports, grounding and fittings as required to comply with NEC.
6. Where existing equipment is relocated, extend wiring to the new location. Provide additional supports, grounding and fittings as required to comply with NEC.
7. When reusing raceways or junction boxes, provide additional grounding and support to comply with NEC. Do not reuse cables. Where reusing conduits and boxes creates conflicts with new work, relocate conduits and junction boxes to make way for new work.
8. Disconnect and remove devices and equipment shown to be demolished. Provide blank plate to cover any boxes which remain.
9. Where wire or cable is subsequently no longer used, remove it back to its source.
10. Where conduit is subsequently empty and accessible, remove it back to its source. Where abandoned conduit drops underground, under slab, or in other inaccessible location, undercut below surface and patch.
11. Where ceilings are replaced provide temporary means of securing existing devices in the ceiling space until new ceiling is installed. Once new ceiling is installed place existing devices in new ceiling, extend cables as required to install existing devices in new ceiling; refer to architectural drawing to see where ceiling will be removed and replaced. All devices to remain shall be temporarily hung in a means that allows complete function of device.
12. Where ceilings are replaced, secure existing cables and conduits lying on the ceiling from building structure above.
13. Where adding to circuits with existing loads, measure the full load with an ammeter before and after the additions are made to confirm code compliance. Maintain record of loads on as-built plans.
14. Where demolition or new work will affect electrical phase rotation of existing equipment, measure existing electrical phase rotation. New work shall match existing electrical phase rotation.

C. Basic Materials and Methods

1. Wire shall be copper THHW, THWN or XHHW. Ampacity shall be based on 75C ratings.
2. Minimum wire size shall be 12AWG. For emergency and outdoor circuits, minimum wire size shall be 10AWG. For branch circuits longer than 75' one-way circuit distance, minimum wire size shall be 10AWG.
3. Provide a dedicated 100% rated neutral conductor in each circuit which rely on the neutral conductor to complete the circuit (example: 120V, 277V or multiphase circuits with a neutral).
4. Where oversized conductors are indicated or otherwise required for voltage drop or derating, provide junction boxes and other means required to transition back to standard conductor sizes for connection to standard lugs at equipment.
5. Minimum conduit size shall be 3/4".
6. Where branch circuit wiring is spliced, use wirenuts, PVC coated mechanical lug terminals or other Engineer approved means that allows access to cable ends. Do not use spring tension splices to connect wiring.
7. Use wire in conduit except in accessible indoor ceiling spaces, attics and in hollow gypsum-board partitions, where MC cable may be used, unless prohibited by code. Use MC cable connectors with threaded lock nuts to box and screw down cable grips.
8. Provide flexible connections for final connection to motors or other vibrating equipment.
9. Provide plastic bushings wherever conductors would otherwise be exposed to threaded metal fittings.
10. Conduit types:
    a. Indoor, subject to physical damage: Threaded RMC, matching threaded fittings.
    b. Indoor, dry, not subject to physical damage: EMT, set screw or compression fittings.
    c. Indoor, dry, flexible final connections to vibrating equipment: FMC, malleable iron fittings.
11. Coordinate conduit installation with other trades. Where conduit is in the vicinity of equipment, coordinate conduit locations to ensure access and clearances about equipment are maintained.
12. Except where code requires otherwise, use steel boxes of the proper type, not less than 4" square. Secure firmly, true, square, and, where mounted in a finished wall, flush with the finished surface. Where outdoors, provide cast metal boxes custom painted to match adjacent surface.
13. Low-voltage cable may be installed open in accessible indoor ceiling spaces, attics and in hollow gypsum-board partitions; otherwise, provide raceway. Support low-voltage at maximum 60" intervals with J-hooks or other devices listed for low-voltage cable support.
14. Support cables, conduits, and junction boxes rigidly and securely with heavy duty clamps and anchors listed for the application and installed according to their listing.
15. The use of spring tension cable or conduit support clips is not acceptable. Connectors to be threaded type with locking washer.
16. In finished spaces, all wiring shall be concealed under floors, in walls, or above ceilings, unless drawings indicate otherwise.
17. Identify each wire and device on the project with a circuit number. Use wrap-around tape at the ends of wires.
18. Where circuits penetrate an interior or exterior masonry wall provide sleeves listed for the application.
19. Seal all wall and floor penetrations. For fire-rated walls or floors, provide listed penetration sealant or other assembly to maintain rating.
20. For 208Y/120V systems, use black (phase A), red (phase B) and blue (phase C) color coding.
21. For 480Y/277V systems, use brown (phase A), orange (phase B) and yellow (phase C) color coding.

D. Lighting

1. Provide submittals for each luminaire. When a luminaire is proposed as a substitute for that specified, provide photometric report for the exact model proposed.
2. Provide driver/ballast disconnecting means whether or not required by NEC.
3. Each luminaire shall be provided with driver/ballast, lamps, trim and mounting hardware suitable for the installed location.
4. Provide hardware to support luminaires independent of the ceiling support system.
5. For grid-mounted luminaires, provide hardware to securely attach the luminaires to the grid.
6. Identify each luminaire on the project with a circuit number. Use self-adhesive labels inside luminaires, placed so that the labels are visible when changing lamps but not visible in typical use.
7. After dirty work is complete, remove construction dust, dirt and finger prints from luminaires, lenses, lamps and reflectors from new lighting and existing lighting that remain.

E. Emergency Lighting

1. Provide emergency lighting equipment as specified on the drawings.
2. If in conduit, emergency system wiring shall not be in a conduit shared with normal system wiring.

F. 283111 --Fire Alarm

1. Provide modifications to existing Edwards addressable, analog fire alarm system as shown. Provide programming changes to EST3 fire alarm panel.
2. Provide devices shown on the drawings, including photoelectric smoke detectors and ceiling mounted horn/strobe units.
3. Provide all power supplies, expansion boards, wiring, and programming required to support devices.
4. Wiring shall be plenum rated listed fire alarm cable as recommended by the manufacturer.
5. Provide shop drawings, I/O matrix, battery calculations, voltage drop calculations and other documentation required by NFPA 72 to the authority having jurisdiction. If the authority deems these items as required for approval of CHA plans, CHA requests that these be considered deferred submittals as described in 2021 IBC 107.3.4.1.
6. Obtain permits and satisfactory inspections from authority having jurisdiction.
7. Provide record of completion, owner's manual, record drawings, and other testing and documentation to meet NFPA 72 requirements and satisfy the authority.

EQUIPMENT TYPES

ATS	AUTOMATIC TRANSFER SWITCH
CB	PHOTOVOLTAIC DC COMBINER BOX
CONT	CONTACTOR
CP	CONSOLIDATION POINT
DS	DISCONNECT SWITCH
ECB	ENCLOSED CIRCUIT BREAKER
IDF	INTERMEDIATE DISTRIBUTION FRAME
LCP	LIGHTING CONTROL PANEL
MCC	MOTOR CONTROL CENTER
MS	MOTOR STARTER
PDU	POWER DISTRIBUTION UNIT
PNL	ELECTRICAL PANEL
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TRAN	TRANSFORMER
UPS	UNINTERRUPTIBLE POWER SUPPLY

ELECTRICAL SYMBOLS

LIGHTING

- S — SINGLE POLE SWITCH
- S_3 — 3-WAY SWITCH
- S_4 — 4-WAY SWITCH
- S_K — KEY SWITCH
- S_a — LOW-VOLTAGE LIGHTING CONTROL SWITCH, ZONE a
- S_T — SWITCH WITH ELECTRONIC TIMER
- S_D — DIMMER SWITCH
- S_{3D} — 3-WAY DIMMER SWITCH
- S_M — SWITCH WITH MOTION SENSOR
- S_{DM} — DIMMER SWITCH WITH MOTION DETECTOR
- EMERGENCY BATTERY BACKUP UNIT
- EMERGENCY HEADS
- EXIT SIGN, ARROWS AS SHOWN
- LUMINAIRES
- LUMINAIRE TYPE A IN CONTROL ZONE b
- WALL-MOUNT LUMINAIRE
- NORMAL/EMERGENCY LUMINAIRE
- EMERGENCY-ONLY LUMINAIRE
- SHOWN ON LIGHTING PLANS: MOTION SENSOR - CEILING MOUNTED US
- MOTION SENSOR - CEILING MOUNTED MT
- MOTION SENSOR - AISLE TYPE
- MOTION SENSOR - ADJUSTABLE SWIVEL NECK - CORNER CEILING OR WALL MOUNTED MT
- CEILING MOUNTED SPEAKER

FIRE ALARM

- SMOKE DETECTOR
- HEAT DETECTOR
- BEAM SMOKE DETECTOR TRANSMITTER
- BEAM SMOKE DETECTOR RECEIVER
- DUCT SMOKE DETECTOR
- FIREFIGHTER TELEPHONE JACK
- MANUAL PULL STATION
- AUDIO/VISUAL ALARM
- VISUAL ALARM
- VISUAL ALARM - CEILING MOUNTED
- VOICE/VISUAL ALARM
- VOICE/VISUAL ALARM - CEILING MOUNTED
- SPEAKER
- FIRE ALARM CONTROL PANEL
- ANNUNCIATOR PANEL
- DOOR HOLDER
- FLOW SWITCH INTERFACE
- INPUT INTERFACE MODULE
- OUTPUT INTERFACE MODULE
- TAMPER SWITCH INTERFACE
- PRESSURE SWITCH INTERFACE
- REMOTE INDICATOR

GENERAL ELECTRIC

- SWITCH WITH PILOT LIGHT
- FAN SWITCH
- MOTOR STARTER
- DISCONNECT SWITCH
- COMBINATION STARTER
- DUPLEX RECEPTACLE
  - G GROUND FAULT INTERRUPTER
  - C COUNTERTOP HEIGHT
  - E ELECTRICAL WATER COOLER - GFI
  - CM CEILING MOUNTED
  - W WEATHERPROOF
  - TR TAMPER RESISTANT
  - X-Y NEMA X-Y
  - # MOUNT # ABOVE FINISH FLOOR
  - S SURFACE MOUNT
  - T TELEVISION
  - U USB
- DOUBLE-DUPLEX RECEPTACLE
- SPECIAL RECEPTACLE
- POWER RECEPTACLE, AMPERAGE
- RANGE RECEPTACLE
- DEVICE IN CONCEALED RECESSED FLOOR BOX
- JUNCTION BOX
- TRANSFORMER
- POWER POLE
- TIME CLOCK
- HAND DRYER
- HAIR DRYER
- TWO-COMPARTMENT SURFACE RACEWAY. PROVIDE 3/4" CONDUIT TO HIGH-VOLTAGE AND 1 1/4" TO LOW-VOLTAGE SECTIONS. FOR EACH 30' OF RACEWAY.
- PANEL
- BASEBOARD HEATER
- MOTOR
- WIRING CONCEALED EXCEPT WHERE RUN IN OPEN STRUCTURE
- WIRING BELOW SLAB OR GRADE
- EMERGENCY SYSTEM WIRING
- HOME RUN/CIRCUIT TAG
- MULTICONDUCTOR WIRING
- CONDUIT RISE
- CONDUIT DROP

PAGING AND PROGRAM

- CEILING MOUNTED SPEAKER
- ADDRESSABLE SPEAKER
- HORN SPEAKER
- ADDRESSABLE SPEAKER
- WALL MOUNTED BELL
- WALL MOUNTED CLOCK
- CLOCK/SPEAKER UNIT
- VOLUME CONTROL

COMMON ABBREVIATIONS

AE	ARCHITECT/ENGINEER	HC	HVAC CONTRACTOR
AB CLG	ABOVE CEILING	HCP	HANDICAPPED
ABV	ABOVE	HGT	HEIGHT
AFF	ABOVE FINISHED FLOOR	HR	HOUR
AFI	ARC-FAULT INTERRUPTER	IR	INFRARED
AFR	ABOVE FINISHED ROOF	JB	JUNCTION BOX
ALT	ALTERNATE	KES	KITCHEN EQUIPMENT SUPPLIER
ATS	AUTOMATIC TRANSFER SWITCH	LV	LOW-VOLTAGE
BFC	BELOW FINISHED CEILING	MC	MECHANICAL CONTRACTOR
C/G	COUNTERTOP GFI	MCA	MINIMUM CIRCUIT AMPACITY
CD	CORD DROP	MOCP	MAXIMUM OVERCURRENT PROTECTION
CL	CENTERLINE	MT	MULTITECHNOLOGY
CLG	CEILING	MO	MICROWAVE OVEN
CM	CEILING MOUNTED	NA	NOT APPLICABLE
COL	COLUMN	NE	NORMAL/EMERGENCY (NORMALLY ON)
CT	COUNTERTOP HEIGHT-44" AFF UNO OR CURRENT TRANSFORMER	NIC	NOT IN CONTRACT
CR	CORD REEL	NTS	NOT TO SCALE
DBF	DOWN BELOW FLOOR	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
DET	DETAIL	PC	PLUMBING CONTRACTOR
DIA	DIAMETER	PIR	PASSIVE INFRARED
DIM	DIMENSION	SE	SERVICE ENTRANCE
DN	DOWN	SECT	SECTION
DW	DISHWASHER	SHT	SHEET
DWG	DRAWING	SIM	SIMILAR
EC	ELECTRICAL CONTRACTOR	SPD	SURGE PROTECTION DEVICE
EL	ELEVATION	SPEC	SPECIFICATION
ELEV	ELEVATOR	SS	SERVICE SINK
EMER	EMERGENCY	STD	STANDARD
EO	EMERGENCY ONLY (NORMALLY OFF)	SUSP	SUSPENDED
EWC	ELECTRIC WATER COOLER (PROVIDE GFI RECEPTACLE)	TBR	TO BE REMOVED
EX	EXISTING	TL	TASK LIGHT
FA	FIRE ALARM	TR	TAMPER RESISTANT
FBO	FURNISHED BY OWNER	TSTAT	THERMOSTAT
FLR	FLOOR	UNO	UNLESS NOTED OTHERWISE
FPC	FIRE PROTECTION CONTRACTOR	US	ULTRASONIC
FSC	FOOD SERVICE CONTRACTOR	W/	WITH
GC	GENERAL CONTRACTOR	W/O	WITHOUT
GFI	GROUND-FAULT INTERRUPTER	W	WALL-MOUNTED
GND	GROUND	WP	WEATHERPROOF

COMMON SYMBOLS

- N — PLAN NORTH
- SECTION ID / SHEET NO. WHERE SECTION IS / DIRECTIONAL VIEW OF SECTION (A, H1.1)
- REVISION CLOUD
- REVISION NUMBER
- ELEVATION 100.00'
- DIRECTION OF VIEW / SHEET NO. WHERE EL IS DRAWN / ELEVATION ID
- KEYNOTE
- DETAIL ID / SHEET NO. WHERE DETAIL IS (1, H1.1)
- 101 — ROOM/SPACE NO.
- TYPE ID — EQUIPMENT TAG SHOWING TYPE AND ID. SEE EQUIPMENT SCHEDULES FOR DETAILS
- PROVIDE NEW
- EXISTING TO REMAIN
- REMOVE EXISTING
- CONNECT TO EXISTING
- EXISTING TO BE REMOVED

DRAWING LIST

PD-101	PARTIAL FLOOR PLANS - DEMOLITION
E-001	COVER SHEET
ED-101	PARTIAL FLOOR PLANS - DEMOLITION
E-201	PARTIAL FLOOR PLANS - NEW WORK

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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	Apv	By	Date

COVER SHEET

Designed By: LJD	Drawn By: LJD	Checked By: MCD
Issue Date: 03/04/2026	Project No.: 105392	Scale: NOTED

Drawing No.: E-001

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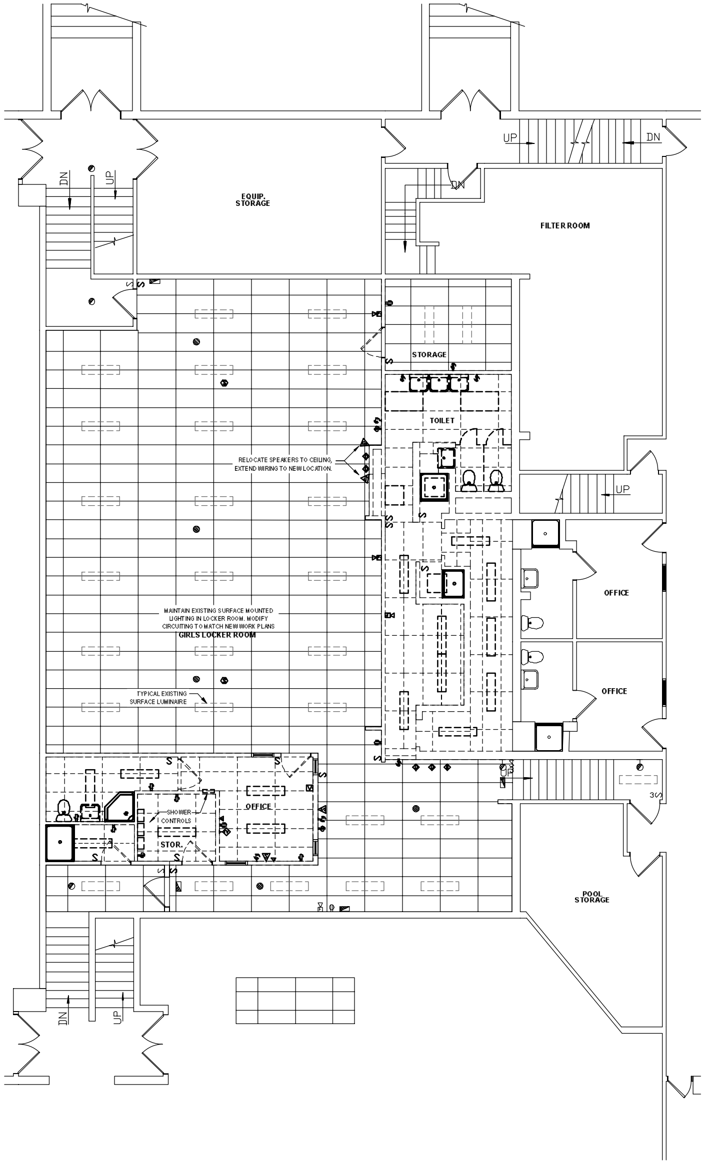
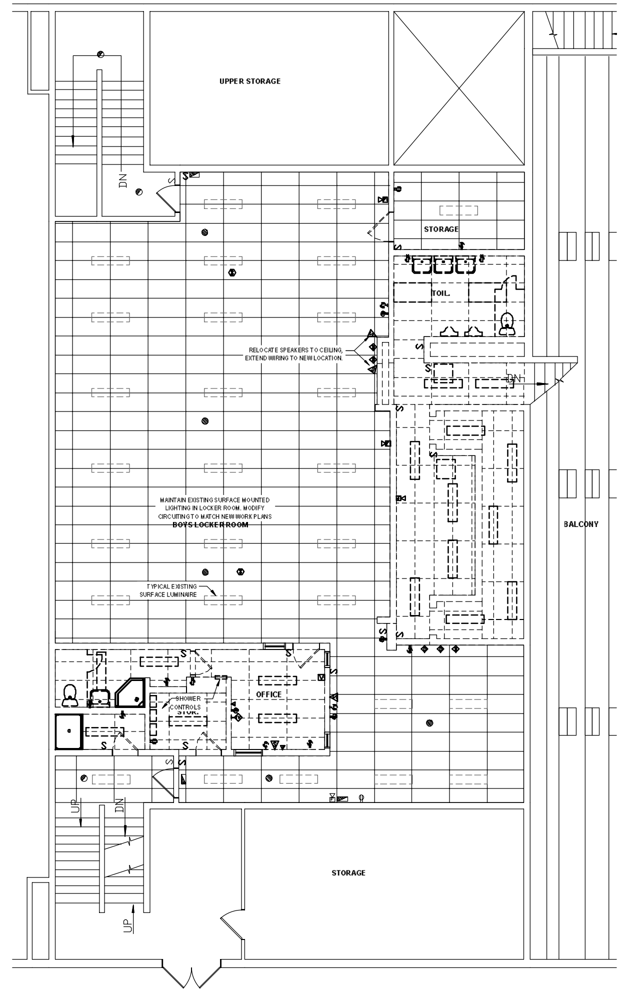


PARTIAL FIRST FLOOR PLAN - DEMOLITION

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

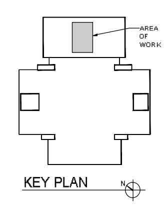


PARTIAL SECOND FLOOR PLAN - DEMOLITION

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

PLAN NOTES

1. DEMOLISH LIGHTING, CONTROLS AND ASSOCIATED WIRING IN AREAS OF DEMOLITION. PROVIDE NEW LIGHTING AS SHOWN ON NEW WORK PLANS.
2. DEMOLISH WIRING DEVICES AND ASSOCIATED WIRING BACK TO SOURCE IN AREAS OF DEMOLITION. FIELD VERIFY EXTENT OF WORK PRIOR TO SUBMITTING A BID.
3. DEMOLISH TELEDATA AND PAGING DEVICES IN AREAS OF DEMOLITION, REMOVE WIRING BACK TO SOURCE.FIELD VERIFY EXTENT OF WORK PRIOR TO SUBMITTING A BID.
4. DEMOLISH FIRE ALARM DEVICES. EXTEND CIRCUITS TO NEW DEVICES SHOWN ON THE NEW WORK PLANS.



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No.	Submittal / Revision	Apv	By	Date

PARTIAL FLOOR PLANS - DEMOLITION

Designed By:	Drawn By:	Checked By:
LJD	LJD	MCH
Issue Date:	Project No.:	Scale:
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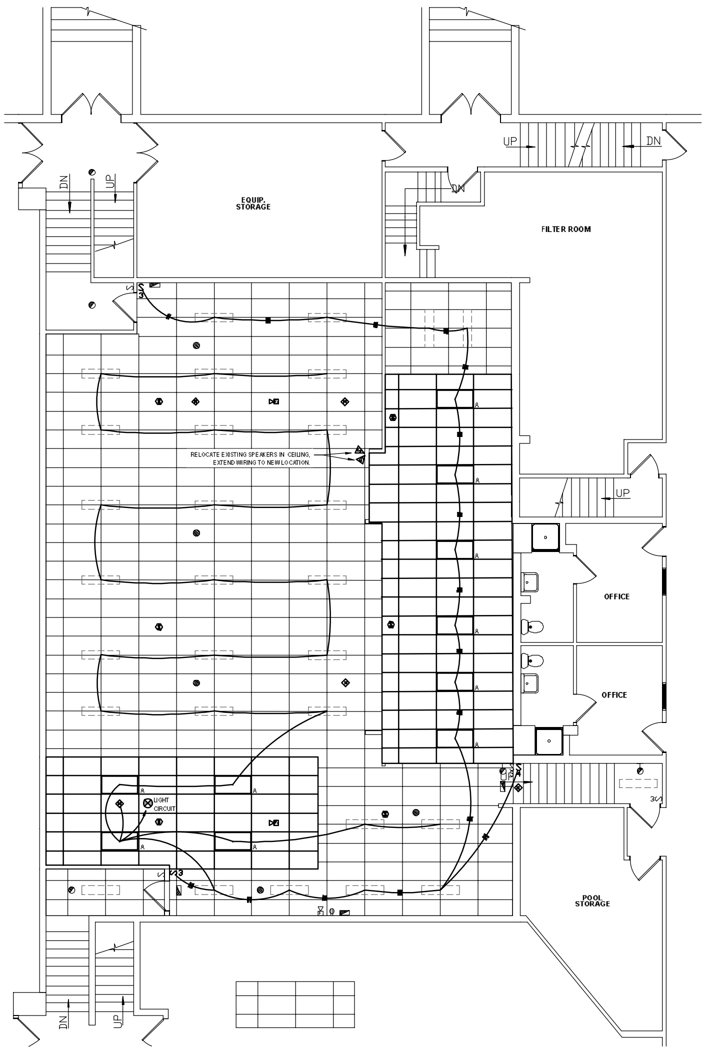
Drawing No.: ED-101



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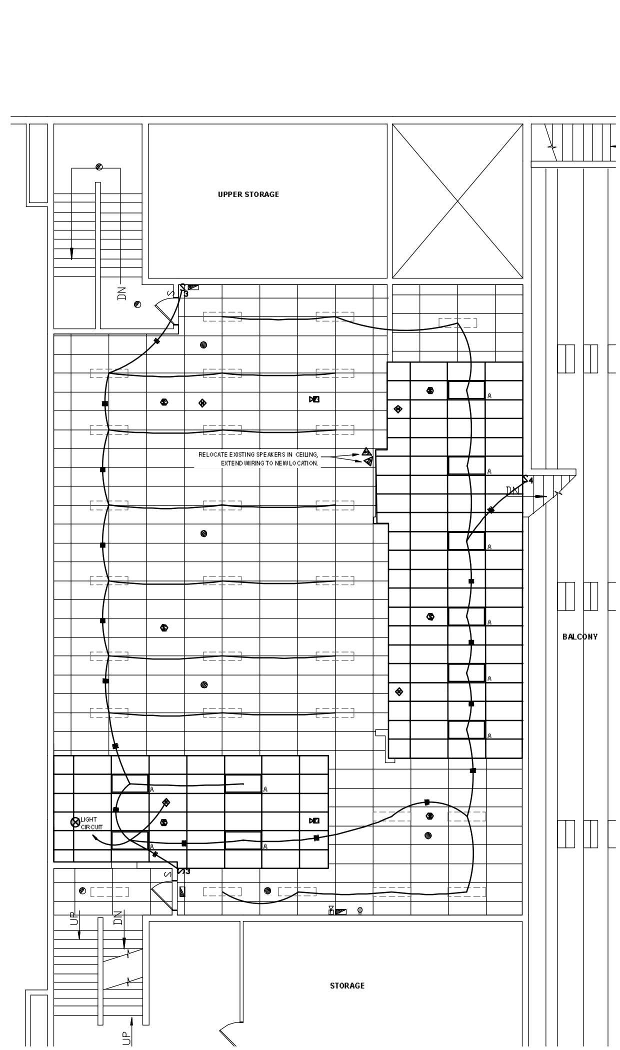
PARTIAL FIRST FLOOR PLAN - NEW WORK

0 1' 3' 6' 10'

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



N

PARTIAL SECOND FLOOR PLAN - NEW WORK

0 1' 3' 6' 10'

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

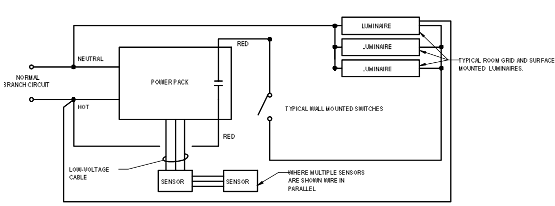
PLAN NOTES

1. EXTEND EXISTING SWITCHED LIGHTING CIRCUIT AS NECESSARY FOR NEW LIGHTING.
2. CONNECT NEW EXIT SIGNS TO EXISTING LOCAL EMERGENCY LIGHTING CIRCUIT.

Luminaire Schedule

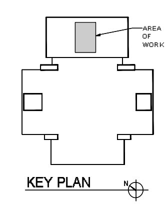
1. All luminaires must be listed and labeled by an NRTL, as required by the NEC.

Type	Manuf.	Model	Mounting	Description	Source	Color	CRI	Lumens	Lumen Maint	Driver	Voltage	VA	W
A	Columbia	CBT	Recessed	2'x4' back-lit flat panel, high effiency, DLC listed, frosted lens, mounted in ceiling grid	LED	3500K	80	4400	L70 60,000hr	0-10V dim	120-277V	39	35
E	Emergi-Lite Lithonia Sure-Lites	Preceptor LQM CX	Surface	Single-faced exit sign, universal mount, white die-cast aluminum housing, red lettering, concealed chevron knockouts, AC-only	LED	-	-	-	-	-	120-277V	5	4



TYPICAL OCCUPANCY SENSOR SWITCHING DETAIL

No Scale



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PARTIAL FLOOR PLANS - NEW WORK

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LJD	LJD	MCH
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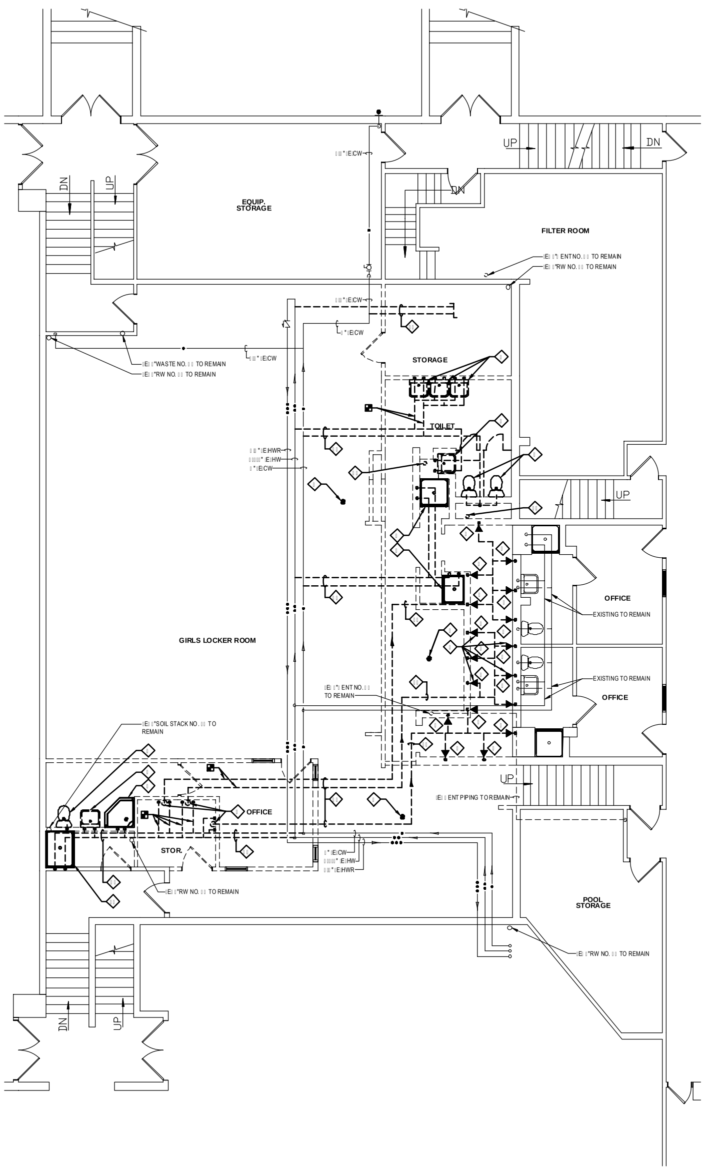
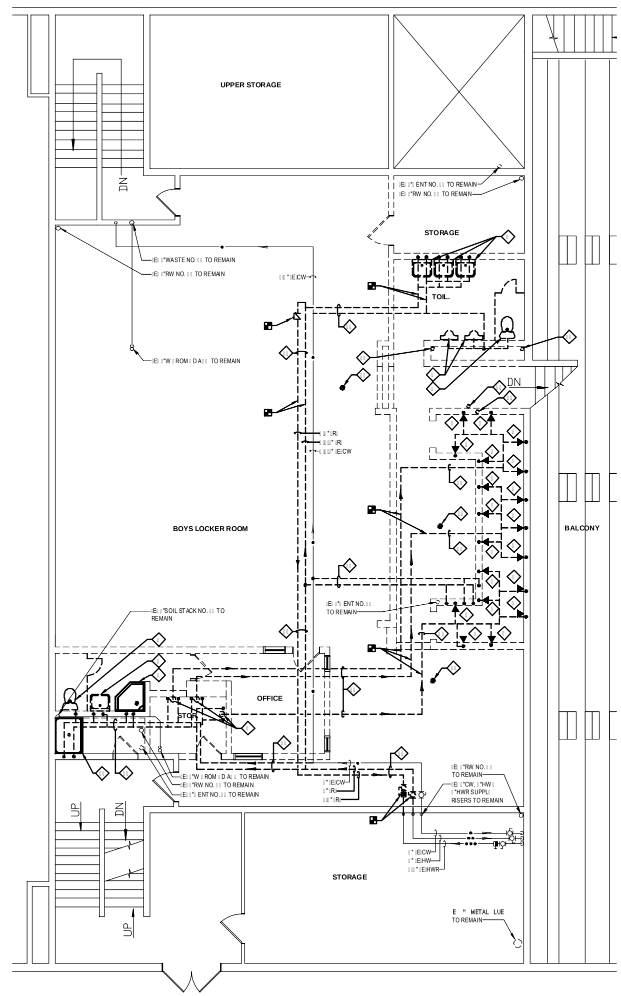


PARTIAL FIRST FLOOR PLAN - DEMOLITION WORK

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



PARTIAL SECOND FLOOR PLAN - DEMOLITION WORK

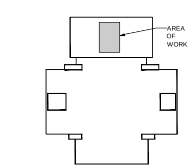
SCALE: 3/16" = 1'-0"

GENERAL DEMOLITION NOTES:

1. SELECTIVE DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND LEGAL DISPOSAL OF EQUIPMENT AND SYSTEMS MADE OBSOLETE AND/OR REPLACED BY NEW WORK. SELECTIVE DEMOLITION INCLUDES REMOVAL AND RELOCATION OR RE-INSTALLATION, DISCONNECTIONS AND RE-CONNECTIONS OF SERVICES, SUPPORTS AND SUBSEQUENT FINAL SUPPORTS, TEMPORARY CAPPING, AND RE-ROUTING OF TEMPORARY SERVICES TO PERMIT NEW OR RENOVATION WORK TO PROCEED.
2. THE DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO ASSIST THE CONTRACTOR AND GIVE GENERAL INFORMATION. NOT ALL DEMOLITION OR TEMPORARY CONNECTIONS ARE SHOWN. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND REVIEW ORIGINAL DRAWINGS IF AVAILABLE. CONTRACTOR IS RESPONSIBLE TO DETERMINE THE FULL EXTENT OF SELECTIVE DEMOLITION, AND INCLUDE ALL REQUIRED SELECTIVE DEMOLITION WORK IN HIS BID, WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. NO ADDITIONAL COSTS WILL BE GRANTED FOR SELECTIVE DEMOLITION. LEGALLY DISPOSE OF ALL ITEMS AND MATERIALS, EXCEPT ANY ITEMS SPECIFICALLY DESIGNATED BY THE OWNER TO BE SALVAGED. REMOVE AND PLACE THE DESIGNATED SALVAGED EQUIPMENT IN A LOCATION DIRECTED BY THE OWNER.
3. REFER TO GENERAL CONSTRUCTION TRADE DEMOLITION DRAWINGS AS WELL AS THE PLUMBING DRAWINGS FOR EXTENT OF THE AREA TO BE DEMOLISHED AND/OR FIXTURES AND EQUIPMENT REQUIRED TO BE REMOVED DUE TO THE RENOVATIONS.
4. PIPING MADE OBSOLETE BY THE RENOVATION SHALL BE REMOVED, INCLUDING INSULATION, HANGERS, AND SUPPORTS, AND CAPPED ABOVE CEILINGS AT ACTIVE MAINS, BELOW FLOORS OR IN WALLS SO THAT IT IS COMPLETELY CONCEALED AT THE COMPLETION OF THE PROJECT. DISCONNECT PIPING FROM OBSOLETE FIXTURES OR EQUIPMENT WHICH IS TO BE REMOVED BY OTHERS AND CAP AND REMOVE PIPING IN SAME MANNER. EXISTING FLOOR DRAINS AND CLEANOUTS ARE TO REMAIN UNLESS OTHERWISE NOTED. NO DEAD-LEG SUPPLY PIPING SHALL REMAIN.
5. IN ALL AREAS WHERE PATCHING IS REQUIRED, THE PLUMBING CONTRACTOR SHALL PATCH THE SUBSURFACE WHERE THE NEW SURFACE IS TO BE FINISHED BY THE GENERAL CONTRACTOR. THIS SUBSURFACE MUST BE PROVIDED SO THAT IS DOES NOT INHIBIT THE INSTALLATION OF OR AFFECT THE APPEARANCE OF THE NEW FINISH. IF A NEW FINISH WILL NOT BE PROVIDED BY THE GENERAL CONTRACTOR, THE PLUMBING CONTRACTOR IS RESPONSIBLE TO PATCH THE SURROUNDING FINISHED SURFACE TO MATCH EXISTING. PATCH EXISTING OPENINGS FROM DEMOLISHED PIPING IN FIRE RATED FLOORS AND WALLS AS REQUIRED TO MAINTAIN FIRE RATING.
6. PLUMBING CONTRACTOR SHALL REMOVE/REPLACE EXISTING CEILING TILES AND GRID AS REQUIRED TO ACCOMPLISH INDICATED PLUMBING WORK, UNLESS SPECIFICALLY INDICATED OTHERWISE. REFER TO THE ARCHITECTURAL DRAWINGS FOR FINISH TREATMENT OF SPACES.
7. REMOVE OBSOLETE VENTS THRU ROOF IN THEIR ENTIRETY INCLUDING ALL OBSOLETE VENT PIPING IN ACCESSIBLE CEILING SPACE. PATCH RESULTING OPENINGS IN THE ROOF AS REQUIRED BY THE TYPE OF ROOF CONSTRUCTION. NEW INSULATION AND ROOFING WILL BE INSTALLED BY THE GENERAL CONTRACTOR.

DEMOLITION KEYNOTES:

1. DISCONNECT AND REMOVE OBSOLETE LAVATORY, FAUCET AND ALL RELATED TRIM IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING WASTE PIPING AND CAP AND ABANDON BELOW FLOOR. DISCONNECT AND REMOVE EXISTING SUPPLY PIPING IN ITS ENTIRETY AND CAP AT ACTIVE MAINS. CUT AND PATCH AS REQUIRED PER GENERAL DEMOLITION NOTES.
2. DISCONNECT AND REMOVE OBSOLETE WATER CLOSET, CARRIER, FLUSH VALVE AND ALL RELATED TRIM IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING SANITARY PIPING, AND CAP AND ABANDON BELOW FLOOR. DISCONNECT AND REMOVE EXISTING SUPPLY PIPING IN ITS ENTIRETY AND CAP AT ACTIVE MAIN. CUT AND PATCH AS REQUIRED PER GENERAL DEMOLITION NOTES.
3. DISCONNECT AND REMOVE OBSOLETE SHOWER DRAIN, VALVE AND SHOWER HEAD IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING WASTE PIPING AND CAP AND ABANDON BELOW FLOOR. DISCONNECT AND REMOVE EXISTING SUPPLY PIPING IN ITS ENTIRETY AND CAP AT ACTIVE MAINS. CUT AND PATCH AS REQUIRED PER GENERAL DEMOLITION NOTES.
4. DISCONNECT AND REMOVE OBSOLETE FLOOR DRAIN IN ITS ENTIRETY AND ABANDON WASTE PIPING DOWN BELOW FLOOR. CUT AND PATCH PER GENERAL DEMOLITION NOTES.
5. DISCONNECT AND REMOVE OBSOLETE THERMOSTATIC SHOWER MIXING VALVE AND ALL RELATED PIPING IN THEIR ENTIRETY AND CAP AT ACTIVE MAINS.
6. DISCONNECT AND REMOVE OBSOLETE LAVATORY, FAUCET AND ALL RELATED TRIM IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING WASTE PIPING IN CEILING SPACE BELOW IN ITS ENTIRETY. DISCONNECT AND REMOVE EXISTING VENT AND SUPPLY PIPING IN THEIR ENTIRETY.
7. DISCONNECT AND REMOVE OBSOLETE WATER CLOSET, CARRIER, FLUSH VALVE AND ALL RELATED TRIM IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING SANITARY PIPING IN CEILING SPACE BELOW IN ITS ENTIRETY. DISCONNECT AND REMOVE EXISTING VENT AND SUPPLY PIPING IN THEIR ENTIRETY.
8. DISCONNECT AND REMOVE OBSOLETE SHOWER DRAIN, VALVE AND SHOWER HEAD IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING WASTE PIPING IN CEILING SPACE BELOW IN ITS ENTIRETY. DISCONNECT AND REMOVE EXISTING VENT AND SUPPLY PIPING IN THEIR ENTIRETY.
9. DISCONNECT AND REMOVE OBSOLETE URINAL, FLUSH VALVE, CARRIER AND ALL RELATED TRIM IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING SANITARY, VENT AND SUPPLY PIPING IN THEIR ENTIRETY.
10. DISCONNECT AND REMOVE OBSOLETE FLOOR DRAIN AND ALL RELATED WASTE PIPING IN CEILING SPACE BELOW IN THEIR ENTIRETY. CUT AND PATCH FLOOR AS REQUIRED PER GENERAL DEMOLITION NOTES.
11. DISCONNECT AND REMOVE OBSOLETE HOT WATER SUPPLY AND RETURN PIPING IN THEIR ENTIRETY AND CAP AT ACTIVE RISERS.
12. DISCONNECT AND REMOVE EXISTING COLD WATER AND HOT WATER SUPPLY PIPING IN THEIR ENTIRETY. CAP EXISTING COLD WATER AT ACTIVE MAIN.
13. DISCONNECT AND REMOVE OBSOLETE TEPID WATER PIPING IN ITS ENTIRETY.
14. DISCONNECT AND REMOVE OBSOLETE MOP BASIN, FAUCET AND ALL RELATED TRIM IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING WASTE AND ABANDON DOWN BELOW FLOOR. DISCONNECT AND REMOVE EXISTING SUPPLY PIPING IN ITS ENTIRETY. CUT AND PATCH AS REQUIRED PER GENERAL DEMOLITION NOTES.
15. DISCONNECT AND REMOVE OBSOLETE SOIL STACK IN ITS ENTIRETY AND ABANDON SANITARY PIPING DOWN BELOW FLOOR. CUT AND PATCH FLOOR AS REQUIRED PER GENERAL DEMOLITION NOTES.
16. DISCONNECT AND REMOVE EXISTING VENT PIPING IN ITS ENTIRETY AND CAP EXISTING VENT THRU ROOF. CUT AND PATCH FLOOR AS REQUIRED PER GENERAL DEMOLITION NOTES.
17. DISCONNECT AND REMOVE OBSOLETE MOP BASIN, FAUCET AND ALL RELATED TRIM IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING WASTE PIPING IN CEILING SPACE BELOW IN ITS ENTIRETY. DISCONNECT AND REMOVE EXISTING SUPPLY PIPING IN ITS ENTIRETY.



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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

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PARTIAL FLOOR PLANS - DEMOLITION

Designed By:	Drawn By:	Checked By:
JH	JH	NRZ
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Drawing No.: PD-100

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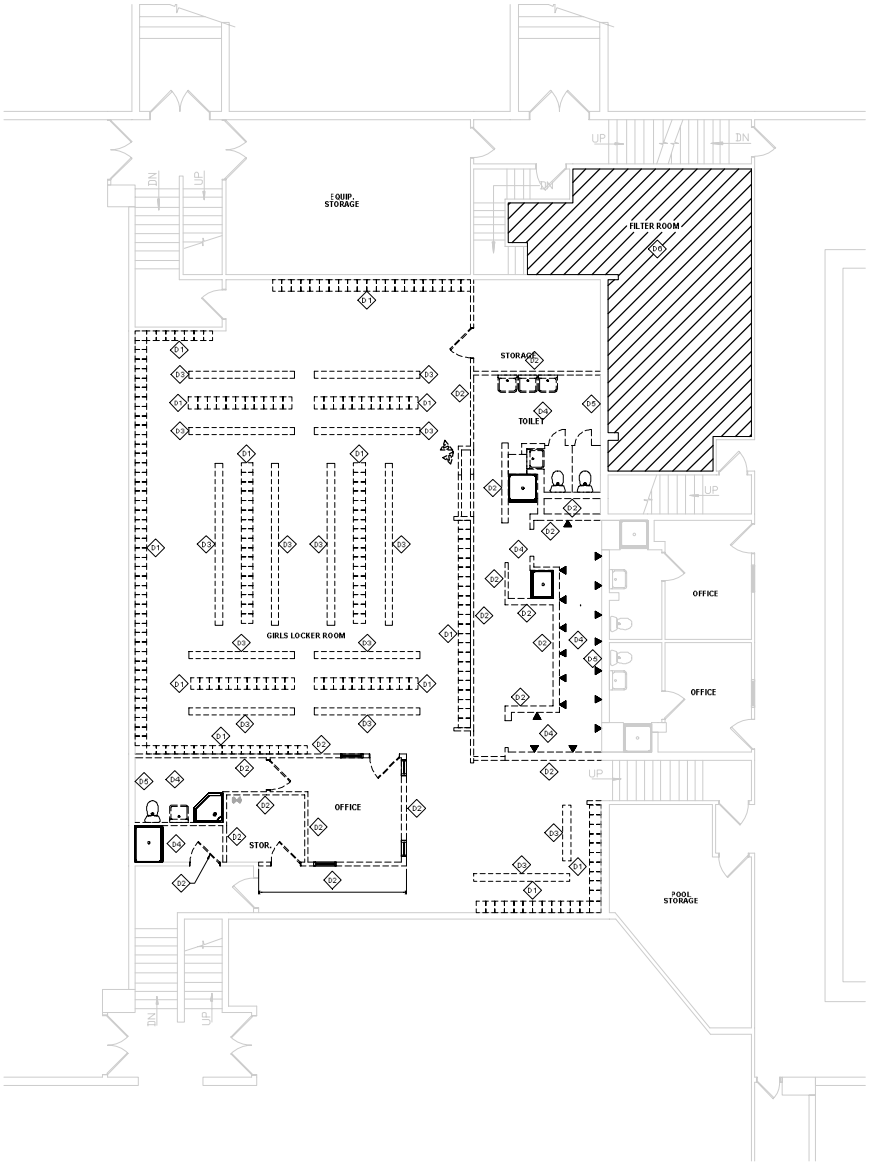
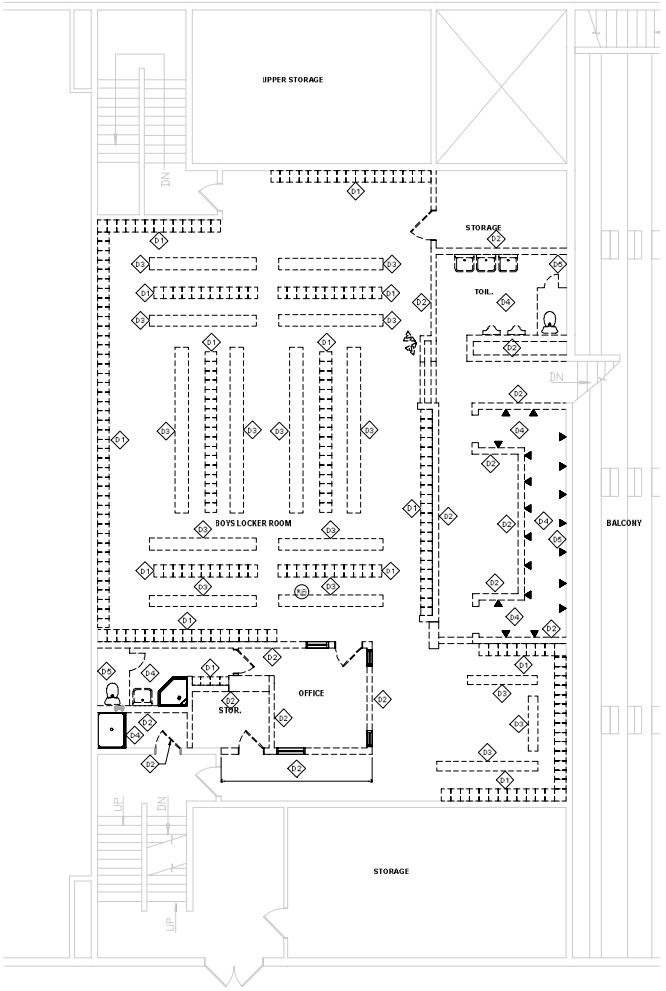


PARTIAL FIRST FLOOR PLAN - DEMOLITION WORK

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



PARTIAL SECOND FLOOR PLAN - DEMOLITION WORK

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

DEMOLITION NOTES:

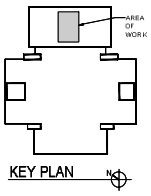
- D-1 CONTRACTOR TO REMOVE ALL LOCKERS AND CONCRETE BASES, PATCH AND LEVEL EXISTING FLOORING
- D-2 CONTRACTOR TO REMOVE EXISTING PARTITION WALLS, DOORS, AND WINDOWS. RELOCATE EXISTING ELECTRICAL SWITCHES AND FIRE PROTECTION DEVICES TO EXISTING WALLS, SEE ELECTRICAL DRAWINGS
- D-3 CONTRACTOR TO REMOVE EXISTING BENCHES, PATCH AND LEVEL EXISTING FLOORING
- D-4 CONTRACTOR TO CAP AND REMOVE ALL PLUMING FIXTURES, PARTITIONS, TOILETS, & SHOWER HEADS.
- D-5 CONTRACTOR TO REMOVE ALL TILE ON REMAINING WALLS
- D-6 CONTRACTOR TO DISASSEMBLE AND REMOVE POOL EQUIPMENT, INCLUDING THE EXISTING RETURN LINE, GUTTER LINE, AND DRAIN LINE ARE TO BE REMOVED FROM THE CRAWL SPACE SURROUNDING THE POOL

DEMOLITION GENERAL NOTES

- SEE M/E/P DRAWINGS FOR COORDINATION OF MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT REMOVAL.
- WALLS - PATCH ALL EXISTING HOLES, CRACKS, ETC. AND THOSE THAT ARE CAUSED BY REMOVAL OF EXISTING EQUIPMENT. PATCH ALL HOLES IN WALLS DESIGNATED TO REMAIN.
- FLOORS - PATCH AS REQUIRED BY REMOVAL OF WALLS, CASEWORK, ETC
- ALL LOOSE EQUIPMENT AND FURNITURE TO BE REMOVED BY OWNER.
- REFERENCE PHASING DRAWINGS FOR SEQUENCE OF WORK.
- DEMOLITION NOTES PROVIDED FOR REFERENCE ONLY. CONTRACTORS ARE RESPONSIBLE TO DEMOLISH ANY ITEM NOT SPECIFICALLY INDICATED FOR REMOVAL ON THE DEMOLITION DRAWINGS THAT MAY INTERFERE WITH CONSTRUCTION OF ANY NEW WORK.
- COORDINATE EXTERIOR DEMOLITION ITEMS WITH EXTERIOR ELEVATIONS.
- COORDINATE DEMOLITION OF WALL CLOCKS, SPEAKERS AND FIRE ALARM DEVICES AND ASSOCIATED WIRING WITH ELECTRICAL DRAWINGS.
- COORDINATE DEMOLITION OF PLUMBING FIXTURES AND ASSOCIATED PIPING WITH PLUMBING DRAWINGS.
- COORDINATE DEMOLITION OF THERMOSTATS, SENSORS, DUCTWORK AND EQUIPMENT WITH MECHANICAL DRAWINGS. PATCH WALL TO MATCH EXISTING ADJACENT FINISHES AT LOCATIONS WHERE RECESSED EQUIPMENT IS REMOVED.
- ON STEEL TO BE MODIFIED, REMOVE LEAD PAINT AS IDENTIFIED IN THE HAZARDOUS MATERIALS REPORT.
- COORDINATE REMOVAL OF WALL TILE WITH HAZARDOUS MATERIALS REPORT.

DEMOLITION NOTES

1	UNLESS OTHERWISE INDICATED OR NOTED, ALL ELECTRICAL ITEMS SHOWN ARE TO BE REMOVED. THIS REMOVAL INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS: LIGHTING FIXTURES, RECEPTACLES, JUNCTION BOXES, VARIOUS LOW-VOLTAGE OUTLETS AND JACKS, AND ALL OTHER ELECTRICAL ITEMS SHOWN ON THIS DRAWING. THIS INCLUDES ANY ASSOCIATED BRANCH CIRCUIT OR LOW VOLTAGE WIRING BACK TO ITS SOURCE. THE E.C. IS ALSO RESPONSIBLE FOR THE REMOVAL OF MOUNTING DEVICES, HANGERS, ETC. ASSOCIATED WITH THIS EQUIPMENT. ITEMS TAGGED WITH "E" ARE EXISTING TO REMAIN.
2	AN ATTEMPT HAS BEEN MADE TO SHOW ALL THE LIGHTING FIXTURES, RECEPTACLES, JUNCTION BOXES, VARIOUS LOW-VOLTAGE JACKS, AND ALL OTHER ELECTRICAL ITEMS ON THE DEMOLITION DRAWINGS. HOWEVER, THE E.C. SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY AND ALL OF THESE COMPONENTS THAT EXIST IN THE FIELD AND ARE IN THE WAY OF THE NEW CONSTRUCTION.
3	NO WIRING SHALL BE ABANDONED IN PLACE, IT SHALL BE REMOVED. ALL CONDUIT SHALL BE REMOVED EXCEPT WHERE IT IS BURIED IN MASONRY WALLS AND IN OR BELOW FLOOR SLABS. IN THESE CASES CUT THE ENDS OF THE CONDUIT FLUSH WITH THE WALL OR FLOOR AND FILL WITH PATCHING MATERIALS TO MATCH ADJACENT SURFACES.
4	THE E.C. SHALL BE RESPONSIBLE FOR RECONNECTING ANY EXISTING DEVICE WHICH IS TO REMAIN ENERGIZED AND HAS BEEN DISCONNECTED DUE TO THE DEMOLITION. PROVIDE ALL WIRING AND DEVICES NECESSARY TO RECONNECT.



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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	apv.	by	Date

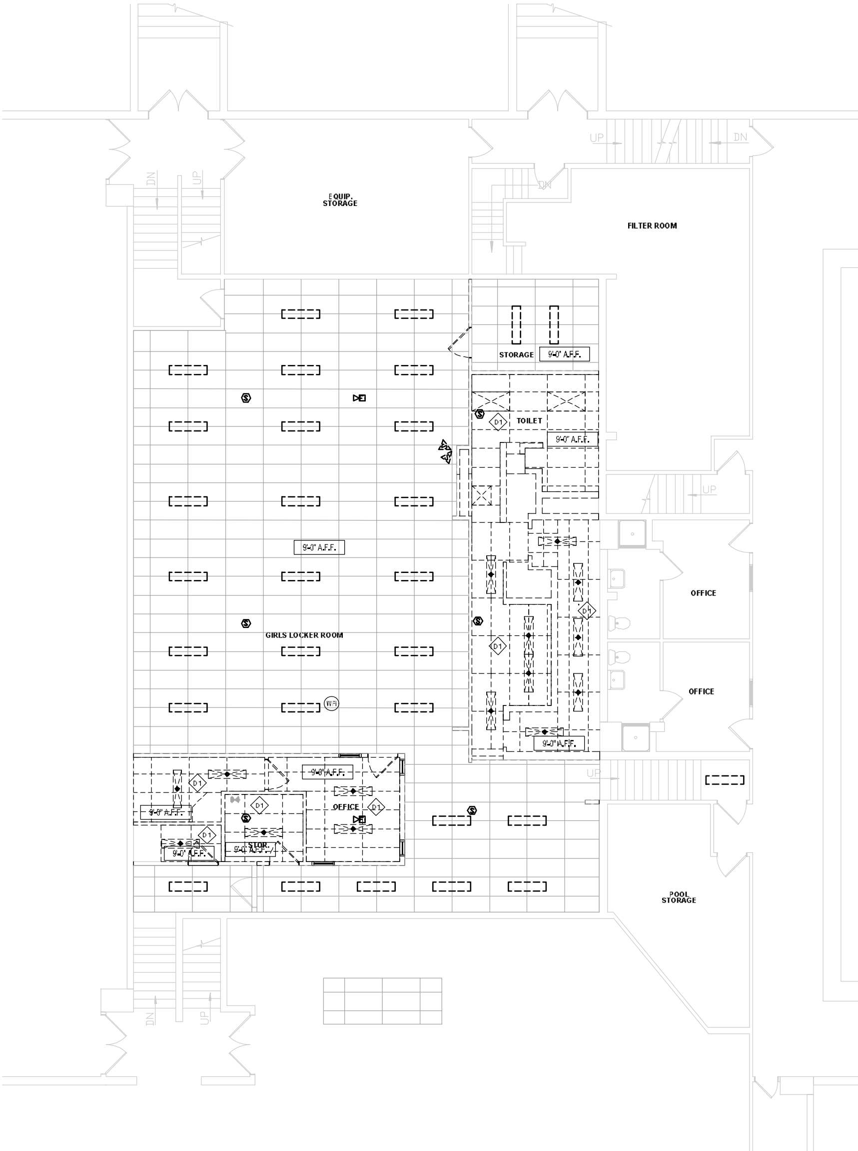
FIRST AND SECOND FLOOR - DEMO PLANS

Designed by:	Drawn by:	Checked by:
XXX	MRF	XXX
Issue Date:	Project No.:	Scale:
02/26/2026	105392	NOTED

Drawing No.:

GD-100

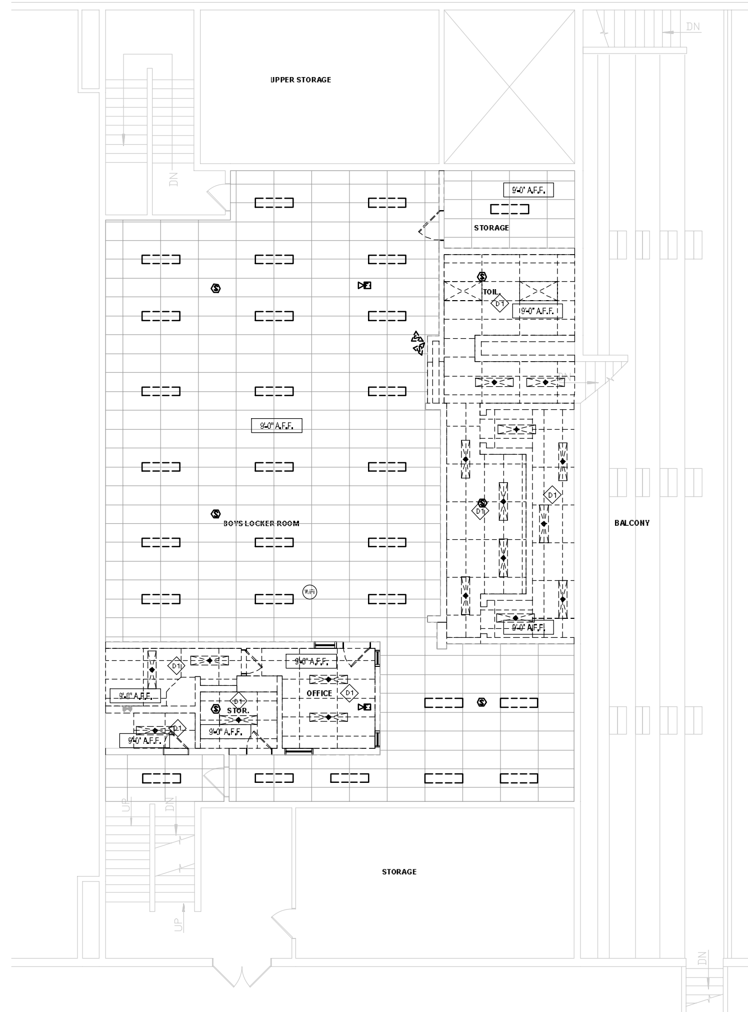
Sheet 01 of 05



PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - DEMOLITION WORK

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

NOTE:
REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.



PARTIAL SECOND REFLECTED CEILING PLAN - DEMOLITION WORK

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

NOTE:
REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

DEMOLITION NOTES:

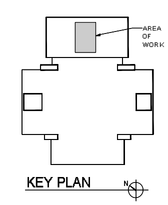
D1 CONTRACTOR TO REMOVE EXISTING CEILING SYSTEM AND PREPARE AS REQUIRED TO INSTALL NEW CEILING SYSTEM & LED LIGHT FIXTURES. EXISTING SUPPLY/RETURN GRILLES, WAP, SENSORS, ETC. TO REMAIN.

DEMOLITION GENERAL NOTES

1. DEMOLITION NOTES ARE PROVIDED TO ASSIST CONTRACTOR IN RECOGNIZING GENERAL SCOPE OF DEMOLITION WORK. CONTRACTOR IS REQUIRED TO FIELD VERIFY CONDITIONS AND WILL BE RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO PERFORM NEW WORK.
2. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY TEMPORARY ENCLOSURES AT DEMOLITION AREAS TO PROTECT AND SECURE BUILDING UNTIL NEW SYSTEMS ARE INSTALLED.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ANY EXISTING FEATURES REQUIRED TO ACHIEVE NEW CONSTRUCTION.
5. REFER TO M.E.P. DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION NOT SHOWN HERE.
6. REFER TO REFLECTED CEILING DEMOLITION PLANS FOR ADDITIONAL DEMOLITION INFORMATION.

DEMOLITION CEILING PLAN LEGEND

	A.C.T. AND GRID TO BE REMOVED BY MECHANICAL CONTRACTOR
	EXISTING A.C.T. GRID TO REMAIN
	LIGHT FIXTURES TO BE REMOVED. PATCH EXIST. PLASTER CLG. & PAINT ALL AREAS WHERE NEW LIGHT FIXTURES NOT REQ'D. BY ELECTRICAL CONTRACTOR
	SUPPLY AND RETURN GRILLE TO BE REMOVED BY MECHANICAL CONTRACTOR
	EMERGENCY EXIT SIGN TO BE REMOVED BY ELECTRICAL CONTRACTOR
	EMERGENCY LIGHT TO BE REMOVED BY ELECTRICAL CONTRACTOR
SP	RECESSED SPEAKER TO BE SUPPORTED FOR REINSTALLATION BY ELECTRICAL CONTRACTOR
HS	HANGING SPEAKER TO BE SUPPORTED FOR REINSTALLATION BY ELECTRICAL CONTRACTOR
	CEILING MOUNTED DUPLEX RECEPTACLE OUTLET TO BE SUPPORTED FOR REINSTALLATION BY ELECTRICAL CONTRACTOR
FAS	FIRE ALARM SYSTEM TO BE SUPPORTED FOR REINSTALLATION BY ELECTRICAL CONTRACTOR
	WIFI ACCESS POINT TO BE SUPPORTED FOR REINSTALLATION BY ELECTRICAL CONTRACTOR
S	EXIST. SMOKE DETECTOR TO BE SUPPORTED FOR REINSTALLATION BY ELECTRICAL CONTRACTOR



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No.	Submittal / Revision	Apv	By	Date

FIRST AND SECOND FLOOR - DEMO REFLECTED CEILING PLANS

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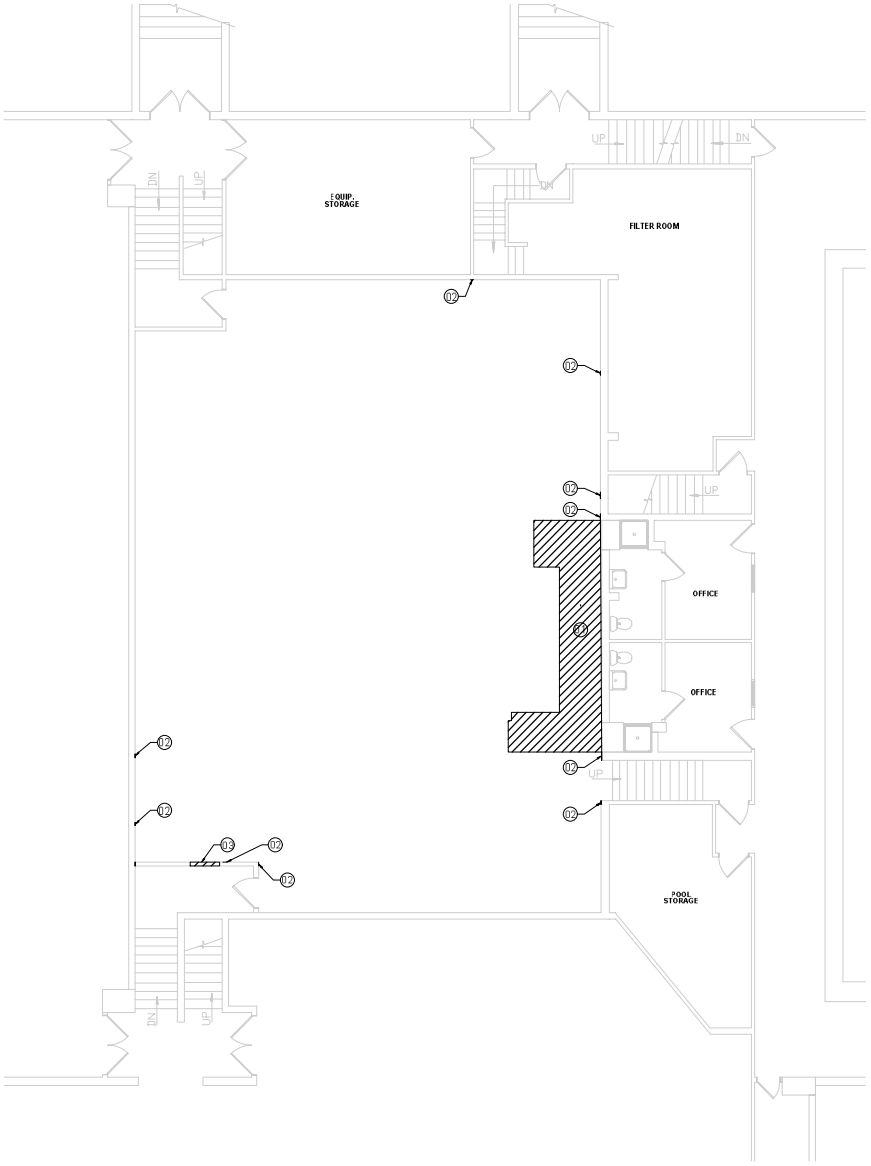
XXX	MRF	XXX
Issue Date:	Project No.:	Scale:
02/26/2026	105392	NOTED

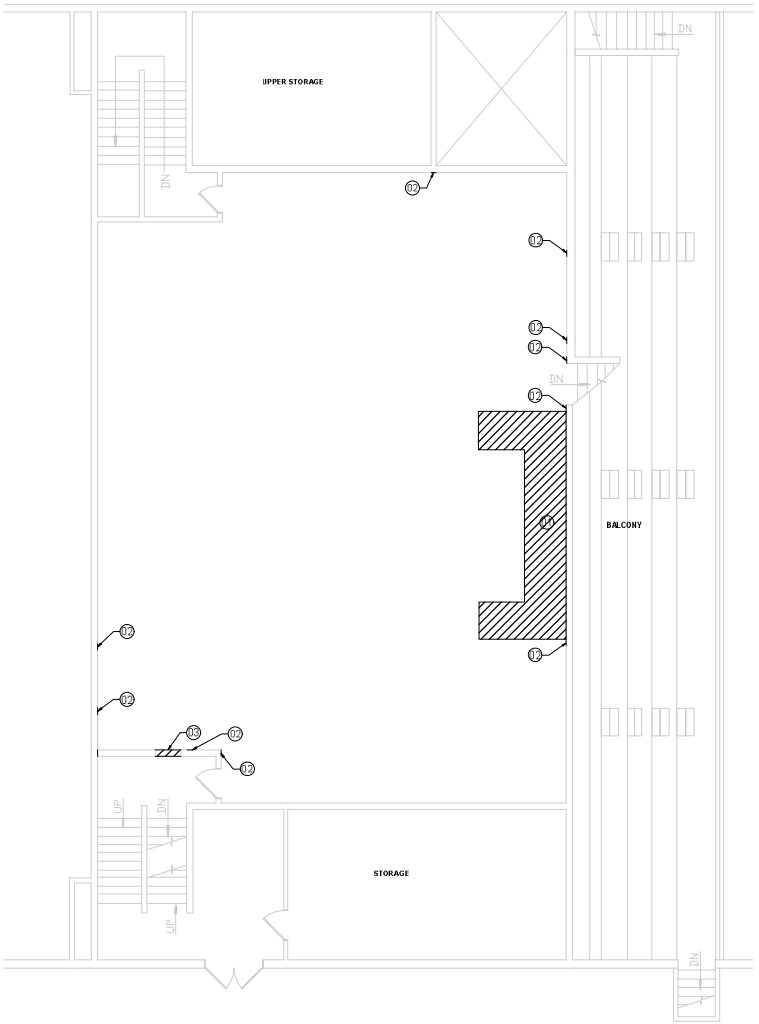
Drawing No.:
GD-101
Sheet 02 of 05

NEW WORK NOTES:

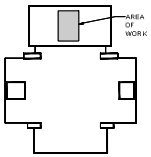
1. CONTRACTOR TO LEVEL FLOORS IN SHOWER AREAS TO MATCH LOCKER ROOM FLOOR ELEVATION
2. CONTRACTOR TO PATCH AND PAINT
3. CONTRACTOR TO INFILL EXISTING DOOR OPENING, SEE DETAIL 1 ON G-500



PARTIAL FIRST FLOOR PLAN - NEW WORK
SCALE: 3/16" = 1'-0"



PARTIAL SECOND FLOOR PLAN - NEW WORK
SCALE: 3/16" = 1'-0"



KEY PLAN N

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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	apv.	by	Date

FIRST AND SECOND FLOOR PLANS

Designed by:	Drawn by:	Checked by:
XXX	MRF	XXX
Issue Date:	Project No.:	Scale:
02/26/2026	105392	NOTED

Drawing No.:
G-100
Sheet 03 of 05

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NEW WORK NOTES:

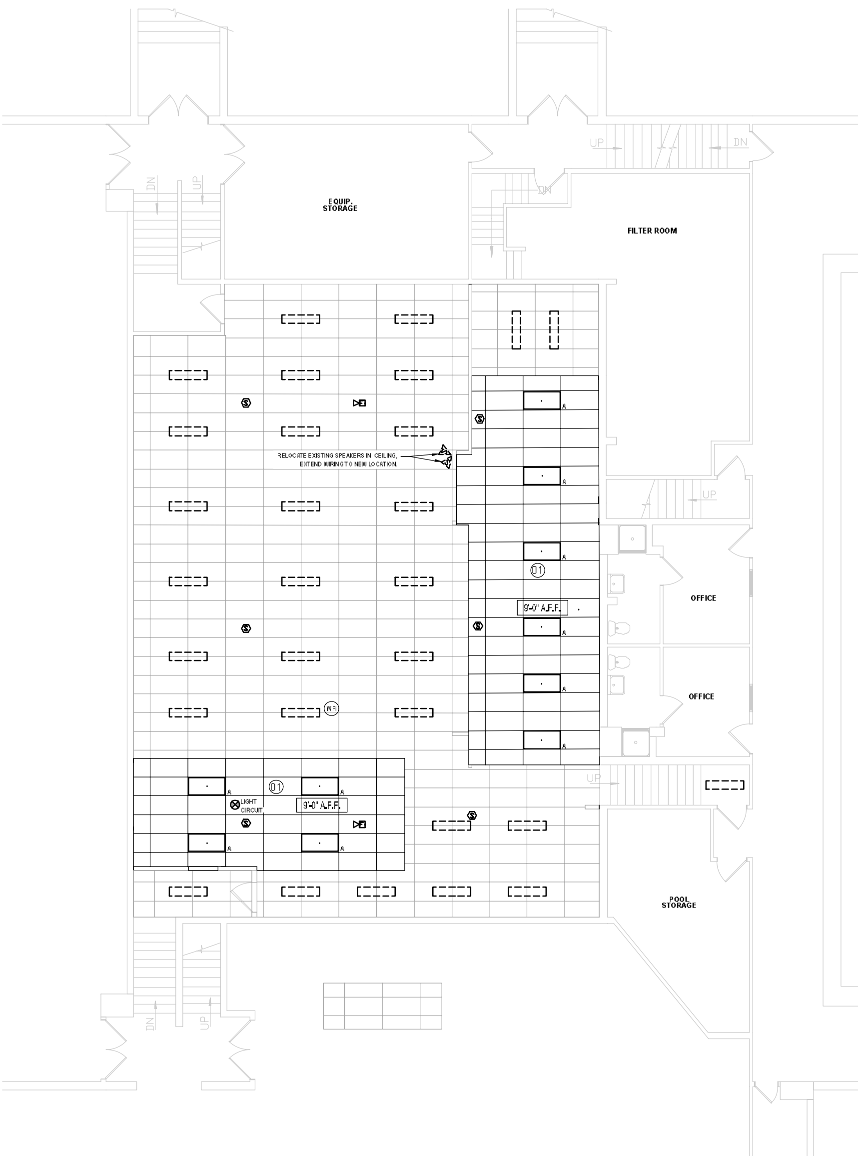
(01) NEW ACT CEILING AND GRID WITH NEW LIGHTING.

NEW WORK GENERAL NOTES

1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY TEMPORARY ENCLOSURES AT DEMOLITION AREAS TO PROTECT AND SECURE BUILDING UNTIL NEW SYSTEMS ARE INSTALLED.
3. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ANY EXISTING FEATURES REQUIRED TO ACHIEVE NEW CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL MATERIALS, FINISHES AND OBJECTS THAT REMAIN IN WORK AREAS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

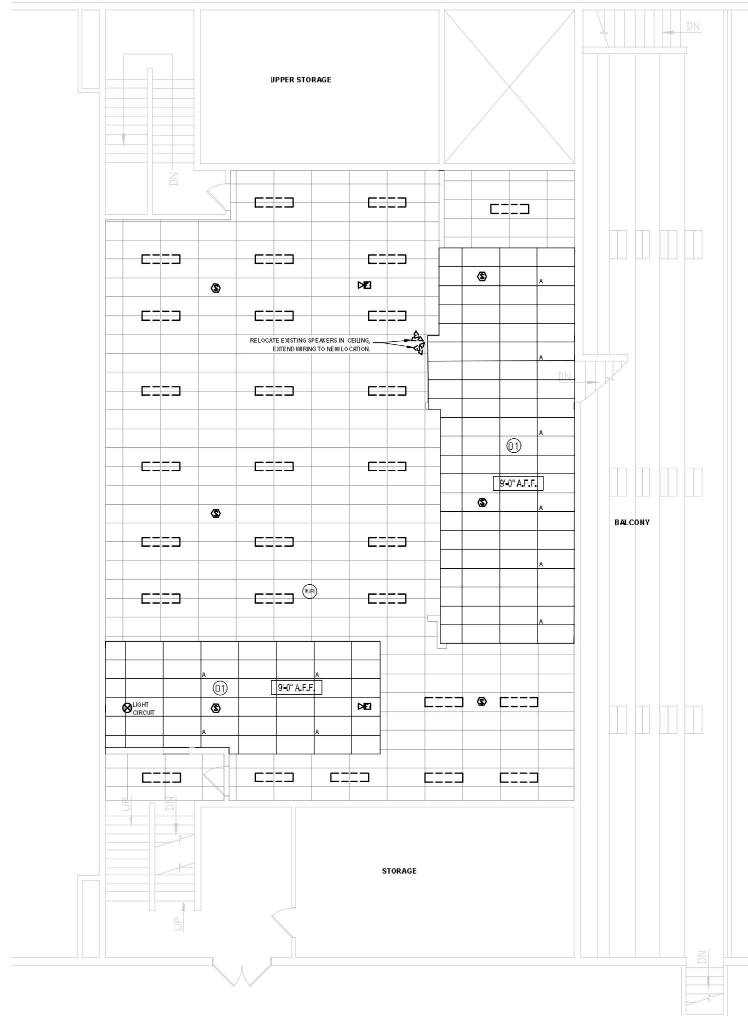
REFLECTED CEILING PLAN LEGEND

Symbol	Description
	NEW A.C.T. AND GRID BY MECHANICAL CONTRACTOR
	EXISTING A.C.T. GRID
	NEW LIGHT FIXTURE BY ELECTRICAL CONTRACTOR. SEE ELEC. DWGS.
SA RA	NEW SUPPLY REGISTER BY MECHANICAL CONTRACTOR. SEE MECH. DWGS.
X-X" A.F.F.	NEW CEILING HEIGHT
	NEW EXHAUST FAN / LIGHT COMBO BY ELECTRICAL CONTRACTOR. SEE ELEC. DWGS.
	NEW EMERGENCY EXIST SIGN BY ELECTRICAL CONTRACTOR. SEE ELEC. DWGS.
SP	EXIST. RECESSED SPEAKER TO BE REINSTALLED BY ELECTRICAL CONTRACTOR
FAS	EXIST. FIRE ALARM SYSTEM TO BE REINSTALLED BY ELECTRICAL CONTRACTOR
WIFI	EXIST. WIFI ACCESS POINT TO BE REINSTALLED BY ELECTRICAL CONTRACTOR
S	EXIST. SMOKE DETECTOR TO BE REINSTALLED BY ELECTRICAL CONTRACTOR



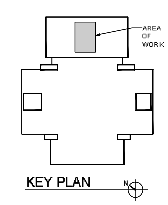
PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - NEW WORK

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



PARTIAL SECOND REFLECTED CEILING PLAN - NEW WORK

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



KEY PLAN

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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	Apv	By	Date

FIRST AND SECOND FLOOR - NEW REFLECTED CEILING PLANS

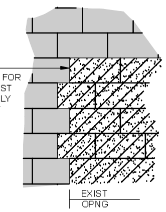
Designed By:	Drawn By:	Checked By:
XXX	MRF	XXX
Issue Date:	Project No.:	Scale:
02/26/2026	105392	NOTED

Drawing No.: G-101

Sheet 04 of 05

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	MASONRY WALLS NORTH	MASONRY WALLS EAST	MASONRY WALLS SOUTH	MASONRY WALLS WEST	SOFFITS FINISH	SOFFITS HEIGHT (A.F.F.)	CEILING FINISH	CEILING HEIGHT (A.F.F.)	NOTES
B13	EXISTING GIRLS LOCKER ROOM	POLISHED CONCRETE		PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	EXST	ACT-1	9'-0"	
B37	EXISTING BOYS LOCKER ROOM	POLISHED CONCRETE		PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	EXST	ACT-1	9'-0"	



NOTE:
INFILL EXISTING OPENING BY TOOTHING IN NEW CMU TO MATCH EXISTING COURSING, FULL THICKNESS OF WALL. MATCH EXIST WALL THICKNESS. SEE GD-100 AND GD-101 FOR LOCATIONS

1 / G-500 **8" CMU WALL INFILL**
SCALE: 1 1/2" = 1'-0"

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SIMMONS ELEMENTARY SCHOOL NATATORIUM REPURPOSEMENT

No.	Submittal / Revision	Apvd	By	Date

FINISH SCHEDULE AND DETAIL

Designed By:	Drawn By:	Checked By:
XXX	MRF	XXX
Issue Date: 02/26/2026	Project No.: 105392	Scale: NOTED

Drawing No.: G-500