SCHAUMBURG TOWNSHIP **DISTRICT LIBRARY**

130 S ROSELLE RD. SCHAUMBURG, IL 60193

PROJECT INFORMATION:

PROJECT DESCRIPTION THIS PROJECT IS AN ADDITION OF AN ADA RAMP TO THE FRONT EXTERIOR OF THE BUILDING TO INCLUDE NEW RAMP, HANDRAILS, LANDSCAPING, AND GRADING.

BUILDING INFORMATION: USE GROUP: A-3 (ASSEMBLY - LIBRARY)

CONSTRUCTION TYPE: IB FIRE SUPPRESSION: YES, FULLY SPRINKLED

APPLICABLE CODES:

- 2021 INTERNATIONAL BUILDING CODE -EXCLUDE CH.27 ELECTRICAL, CH.28 MECHANICAL & CH.29 PLUMBING
- 2021 INTERNATIONAL EXISTING BUILDING CODE
- 2021 INTERNATIONAL FUEL GAS CODE 2021 INTERNATIONAL PROPERTY MAINTENANCE CODE
- 2018 ILLINOIS ENERGY CONSERVATION CODE W/ ILLINOIS AMENDMENTS
- 2021 INTERNATIONAL MECHANICAL CODE
- 2020 NATIONAL ELECTRIC CODE 2014 ILLINOIS PLUMBING CODE
- -INCLUDE 2021 INTERNATIONAL PLUMBING CODE CHAPTERS 11-14
- 2021 INTERNATIONAL FIRE CODE 2018 ILLINOIS ACCESSIBILITY CODE

2019 ASME A17.1 - ILLINOIS SAFETY CODE OF ELEVATORS & ESCALATORS

SEE VILLAGE OF SCHAUMBURG ORDINANCE FOR AMENDMENTS TO CODES LISTED ABOVE AND FOR OTHER LOCAL ORDINANCES. WWW.VILLAGEOFSCHAUMBURG.COM

DRAWING INFORMATION

A0.0	COVER SHEET & GENERAL NOTES
A0.1	EXISTING SURVEY, NEW AND DEMOLITION SITE PLAN, LANDSCAPE PLAN
A1.1	PLANS AND DETAILS
A1.2	ELEVATIONS, SECTIONS AND DETAILS
E1.1	ELECTRICAL



DETAIL TAG XX

LANDSCAPE NOTES:

NOTES:

- COORDINATE WORK IN THIS AREA WITH ALL ADJACENT TRADES AND DO NOT PLANT UNTIL NEW RAMP IS SET IN PLACE.
- FULLY EXCAVATE PLANT BED TO DEPTHS SHOWN IN DETAIL. REMOVING ALL REMAINING STONE, SUBSOIL AND CONSTRUCTION DEBRIS ENCOUNTERED.
- HAND DIG AROUND TREE ROOTS TO MINIMIZE DAMAGE. ADJUST SPACING AND LAYOUT OF PLANTS TO AVOID ROOTS. DO NOT CHOP THROUGH TREE ROOTS.
- PROVIDE SANDY LOAM PLANTING SOIL MIX OF NEUTRAL PH,
- FULL DEPTH AS SHOWN IN DETAILS, THROUGHOUT ENTIRE BED. SPREAD PLANTING SOIL MIX INTO BED, GRADE AND FINE GRADE
- TO CREATE SURFACE WHICH DRAINS AWAY FROM THE BUILDING. PROVIDE ALL CONTAINER PLANTS, FULLY ROOTED IN THEIR
- CONTAINERS BUT NOT ROOT BOUND, FULLY SYMMETRICAL IN FORM WITH MANY CANES, STEMS AND FLOWER SPIKES OR HEADS
- FOR SHRUBS AND PERENNIALS, REMOVE PLASTIC CONTAINERS BEFORE PLANTING BEING CAREFUL TO KEEP ROOT SYSTEM INTACT
- TRIANGULATE PLANTING AS SHOWN IN DETAILS. 8 BLEND NEW PLANTING INTO EXISTING PLANTINGS AT NEW PLANT BED.
- SET CROWNS OF PLANT ROOTS SO THAT AFTER SETTLEMENT SHRUBS SHALL BE 1" ABOVE GRADE AND PERENNIALS SHALL BE AT GRADE.
- 11. IMMEDIATELY WATER IN PLANTING, ADJUST AND SMOOTH GRADE, AND FULLY MULCH ALL NEW PLANTINGS THROUGHOUT THE NEW BED IN ITS ENTIRETY.
- 12. REPLENISH MULCH IN TREE RING FOR EXISTING TREE, BEING CAREFUL TO KEEP MULCH AWAY FROM THE CROWN OF THE ROOT BALL.
- 13. MULCH SHALL BE PREMIUM, TRIPLE SHREDDED HARDWOOD BARK MULCH.
- RAKE MULCH SMOOTH WITHOUT BURYING PLANTS OR LEAFY 14 STFMS.
- 15. PROVIDE GRANULAR, TIMED RELEASE FERTILIZER SUCH AS OSMOCOTE 14 - 14 - 14. APPLY PER MANUFACTURER'S RECOMMENDED RATES JUST PRIOR TO SUBSTANTIAL COMPLETION.
- 16. REPLACE ALL PLANTS IN POOR OR DEAD CONDITION PRIOR TO FINAL ACCEPTANCE BY OWNER.
- MAINTAIN PLANTS FROM DELIVERY, INCLUDING ALL WATERING REQUIRED TO KEEP BEDS MOIST AND PLANTS IN FLOURISHING CONDITIONS, UNTIL ACCEPTANCE BY OWNER.
- 18. INSTRUCT OWNER REGARDING WATERING REQUIREMENTS DURING ESTABLISHMENT.
- 19. GUARANTEE ALL PLANTS FOR ONE YEAR, STARTING WITH ACCEPTANCE BY OWNER.
- 20. INSPECT PLANTS IN PRESENCE OF OWNER AT END OF GUARANTEE AND REPLACE ALL PLANTS WHICH ARE DEAD OR IN POOR CONDITION.

STATEMENT OF COMPLIANCE

I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT. TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATIONS, THEY ARE IN COMPLIANCE WITH THE STATE OF ILLINOIS ACCESSIBILITY CODE AND THAT THEY COMPLY WITH THE CODES AND BUILDING ORDINANCE OF THE VILLAGE OF SCHAUMBURG. ILLINOIS.

ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE 184005274-000 001-016586 ILLINOIS REGISTRATION #:

GENERAL NOTES:

- PRIOR TO SUBMITTING BIDS ALL CONTRACTORS SHALL VISIT AND CAREFULLY EXAMINE SITE OF PROPOSED WORK AND ACQUAINT THEMSELVES WITH THE CONDITIONS UNDER WHICH WORK WILL BE PERFORMED AND NATURE AND EXTENT OF WORK INVOLVED. ANY DISCREPANCIES ARE TO BE POINTED OUT PRIOR TO SUBMITTING BID OR SHALL BE NOTED IN THE BID FORMS. NO PLEA OF IGNORANCE OF EXISTING CONDITIONS SHALL JUSTIFY REQUESTS FOR ADDITIONAL FUNDS.
- COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF EXISTING CONDITIONS. PLANS AND SPECIFICATIONS ARE INTENDED TO BE COMPLIMENTARY. ANY WORK EXHIBITED IN EITHER OF THEM WHETHER IN THE OTHER OR NOT, IS TO BE EXECUTED ACCORDING TO THE TRUE INTENT AND MEANING THEREOF THE SAME AS IF SET FORTH IN ALL. PROVIDED, HOWEVER, THAT SHOULD ANY LAW, ORDINANCE, OR REGULATION OF STATE, OR COUNTY, OR CITY, IN WHICH THE WORK IS TO BE DONE, BE IN VIOLATION OF THE REQUIREMENTS OF ANY SUCH LAW OR ORDINANCES, OR REGULATION, THEN THE REQUIREMENT OF SUCH LAWS, ORDINANCES, OR REGULATIONS SHALL PREVAIL AND SHALL BE COMPLIED WITH BY CONTRACTOR AS A PART OF THEIR WORK CALLED FOR AND NO EXTRA COMPENSATION SHALL BE ALLOWED THEREFORE.
- BEFORE COMMENCEMENT OF WORK THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS. ANY DEVIATIONS, DISCREPANCIES AND/OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT
- THE CONTRACTOR SHALL MEET WITH THE ARCHITECT PRIOR TO CONSTRUCTION ON THIS PROJECT AND AT OTHER TIMES AS REQUIRED BY OWNER VERIFY AND REVIEW OWNER'S REGULATIONS AND BUILDING PROCEDURES. INSTALLATION OF TEMPORARY BARRICADES IN PUBLIC AREAS OF THE BUILDING MUST MEET WITH THE OWNER'S APPROVAL
- SUBSTITUTIONS OF MATERIALS OR EQUIPMENT WHERE SPECIFIED HEREIN OR ON DRAWINGS AS BASIS OF DESIGN ARE NOT ACCEPTABLE UNLESS WRITTEN APPROVAL HAS BEEN OBTAINED FROM THE ARCHITECT AND/OR OWNER IN THE FORM OF AN R.F.I. (AIA G716-2004).
- 6 ALL MATERIALS, METHODS OF INSTALLATION, AND FINISHING OF CONSTRUCTION SYSTEMS (PARTITIONS, CEILING, DOORS, FRAMES, FLOORS, ETC.) SHALL CONFORM TO THE MANUFACTURERS' SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR THE EXPECTED USE.
- EACH TRADE IS RESPONSIBLE FOR THE DAILY REMOVAL OF CONSTRUCTION DEBRIS TO DUMPSTERS PROVIDED BY THE CONTRACTOR AND SHALL THOROUGHLY CLEAN AND REMOVE ALL DEBRIS.
- CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE WORK OF OTHER CONTRACTORS. WHETHER THEIR OWN, OR THOSE ON SEPARATE CONTRACT
- CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY UNFORESEEN JOB CONDITIONS WHICH MIGHT AFFECT PROJECT COSTS. EXTRA WORK AND/OR COSTS MUST BE APPROVED IN WRITING PRIOR TO CONSTRUCTION OF SUCH WORK.
- NOTHING IN THESE DRAWINGS SHALL IMPOSE LIABILITY ON THE ARCHITECT FOR CLAIMS, LAWSUITS, EXPENSE, OR DAMAGES ARISING FROM, OR IN ANY MANNER RELATED TO THE EXPOSURE TO, OR THE HANDLING, MANUFACTURE, OR DISPOSAL OF ASBESTOS, ASBESTOS PRODUCT, OR HAZARDOUS WASTE IN ANY OF ITS VARIOUS FORMS (IF THEY EXIST), DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY.
- 11. ALL WORK IN THIS CONTRACT SHALL BE GUARANTEED AGAINST ANY DEFECTIVE MATERIALS OF WORKMANSHIP FOR ONE YEAR AFTER DATE OF FINAL COMPLETION. ANY DEFECTIVE MATERIAL OR WORKMANSHIP SHALL BE REPLACED AT NO COST TO THE OWNER.

DEMOLITION NOTES:

- DASHED LINE INDICATES EXTENT OF DEMOLITION WORK WHETHER NOTED OR NOT. THIS IS
- TYPICAL OF ALL DRAWINGS SHOWN ON D-SERIES SHEETS. ALL FLOOR TO BE FLAT AND LEVEL FOR INSTALLATION OF NEW FLOOR MATERIALS THROUGHOUT
- ENTIRE LIBRARY, AND INCLUDED IN BASE BID. ALL EXISTING EXIT SIGNS TO REMAIN AND BE PROTECTED AND OPERATIONAL DURING
- CONSTRUCTION UNLESS NOTED OTHERWISE. SEE HVD, ED, PD & FPD SERIES SHEETS FOR ADDITIONAL SCOPE OF DEMOLITION WORK. ALERT ARCHITECT TO ANY CONFLICTS IN SCOPE OF WORK PRIOR TO BIDDING.

CIVIL NOTES

SOIL EROSION & SEDIMENTATION CONTROL LEGEND

> Catch-All, Pork Chop Sediguard (or equal) Paved or Existing Stabilized

GRADING NOTES

- The Grading and Construction of Proposed Improvements Shall Be Done In A Manner Which Will Allow For Positive Drainage, and Not Cause Ponding of Stormwater on the urface of Proposed Improvements.
- 2. All Landscaped Areas Disturbed By Construction Shall Be Respread With 6 Inches (Min.) to 12 Inches (Max.) Topsoi and Hydroseeded Unless Noted Otherwise On The Landscape Drawings.
- Maximum Sidewalk Cross Slopes Shall be 2.0%. Maximum Longitudinal Sidewalk Slope Shall Be 4.9%. Contact
- Engineer if Conflicts Exist.
- 4. Rebuild Existing Structures and Adjust Rim Elevations to Match Proposed Ground Elevations.



Use Marathon Materials, Inc., "Catch-All" Inlet Protectors Or Approved Equal. Inlet Protector Types Shall Be Selected to Fit Frame and Grate of Open Lid Structures to Be Protected. www.marathonmaterials.com Frame: Top Flange Fabricated From 1 1/4" X 1 1/4" X 1/8" Angle. Base Rim Fabricated From 1 $\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " Channel. Handles And Suspension Brackets Fabricated From 1 $\frac{1}{4}$ " x $\frac{1}{4}$ " Flat Stock. All Domestic Steel Conforming To ASTM-A36

Sediment Bag: Bag Fabricated From 4 Oz./sg.yd. Non-woven Polypropylene Geotextile Reinforced With Polyester Mesh. Bag Secured To Base Rim With A Stainless Steel Strap And Lock Install Baskets In All Existing Storm Inlets Prior To Construction And All New Storm Inlets Immediately After Installation.

Contractor Shall Maintain Throughout Construction Activities.

INLET PROTECTORS - SEDIMENT BAG

ARCHITECT

PRODUCT **ARCHITECTURE + DESIGN**

811 W EVERGREEN AVE SUITE 405 **CHICAGO, IL 60642**

T: (312) 202-0701

DESIGN FIRM LICENSE #: 184.005274

CIVIL NOTES

11.11.2024

DATE:

GENERAL NOTES 1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The

- Plans, Has Been Determined From The Best Available nformation and Is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately If Surface and/or Subsurface Features Are Different Than Shown On The Drawings.
- 2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
- 3. Contractor Shall Provide Private Utility Locating Services for the Project Area.
- 4. Notify The Owner, Engineer and The Village of Addison A Minimum of 48 Hours In Advance of Performing Any Work.
- 5. All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored To Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
- 6. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) to Stake All Site Improvements Accordingly. Contractor Shall Re-Establish Horizontal Control. Horizontal Control Points Not Provided.
- 7. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
- 8. The Engineer Is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately
- 9. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor In Accordance With The Authorities Having Jurisdiction Which Shall Include As a Minimum All Detention Basins and Best Management Practices, Include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Final Detention Volume Calculations For The Basin(s), Watermain and Valve and Appurtenance Locations
- 10. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.

SOIL EROSION & SEDIMENTATION CONTROL NOTES

- 1. Illinois Urban Manual Shall Govern All Soil Erosion and Sediment Control, and Related Work.
- 2. Soil Disturbance Shall Be Conducted in Such a Manner as o Minimize Erosion. Soil Stabilization Measures Shall Consider the Time of Year, Site Conditions, and the Use of Temporary or Permanent Measures.
- 3. Soil Erosion and Sediment Control Features Shall Be Constructed Prior to the Commencement of Upland

Disturbance

- 4. Temporary Soil Stabilization Shall Be Applied to Topsoil Stockpiles and Disturbed Areas, Where Construction Activity Will Not Occur For A Period of More Than 14 Calendar Days, Temporary Measures Shall Be Applied Within 7 Calendar Days of the End of Active Hydrologic Disturbance The Sediment Control Measures Shall Be Maintained On A Continuing Basis Until The Site Is Permanently Stabilized And All Inspections Are Complete. Permanent Stabilization Shall Be Completed Within 1'4 Days after Completion of Final Grading of Soil.
- 5. All Temporary And Permanent Erosion Control Measures Shall Be Removed Within 30 Days After Final Site Stabilization Is Achieved Or After The Temporary Measures Are No Longer Needed. Trapped Sediment And Other Disturbed Soil Areas Shall Be Permanently Stabilized.
- 6. Final Site Stabilization Is Defined By The EPA General Permit As Meaning That All Soil Disturbing Activities At The Site Have Been Completed, And That A Uniform Perennial Vegetative Cover With A Density Of 70 Percent Of The Cover For Unpaved Areas Not Covered By Permanent Structures Has Been Established Or Equivalent Permanent Stabilization Measures (Such As The Use Of Riprap, Gabions, Or Geotextiles) Have Been Employed.
- 7. All Storm Sewer Structures That Are, Or Will Be, Functioning During Construction Shall Be Protected, Filtered, Or Otherwise Treated To Remove Sediment. The General Contractor Shall Use "Catch-All" Inlet Protectors (or equal) and Filter Wattles Around The Grate In Landscaped Areas And "Catch-All" Inlet Protectors (or equal) In Paved Areas To Prevent Siltation.
- 8. All Temporary And Permanent Sediment And Erosion Control Measures Must Be Maintained, Repaired, And Inspected In Conformance With All Applicable IEPA-NPDES
- 9. The Erosion Control Measures Indicated On The Drawings Are The Minimum Requirements. Additional Measures May Be Required As Directed By The Qualified Soil and Erosion Sediment and Control Inspector Or Governing Agency.
- 10. Unless Otherwise Indicated on the Drawings, Stabilize All Disturbed Ground Areas Where Slopes Exceed 6:1 or Within Swales with North American Green BioNet SC150BN Erosion Control Blanket, or Approved Equal.
- 11. Report Releases of Reportable Quantities of Oil or lazardous Materials If They Occur In Accordance with IEPA NPDES Requirements.
- 12. All Concrete Washout Shall Conform To The "Temporary Concrete Washout Facility" Standards (Code 954) of the llinois Urban Manual, Latest Edition.
- 13. Dewatering of Excavations Shall be Performed in a Manner Such as Through the use of Filter Bags or Polymer Freated Dewatering Swales, so as to Not Discharge Sediment Laden Water Into Storm Sewers Tributary to Open Water

ELECTRICAL:

20/10 ENGINEERING GROUP, LLC

1216 TOWER RD SCHAUMBURG, IL 60173

T: (847) 882-2010

DESIGN FIRM LICENSE #: 184.004110

STRUCTURAL

JOHNSON WILBUR ADAMS. INC

330 S NAPERVILLE RD SUITE 300 WHEATON, IL 60187

T: (630) 653-9060

DESIGN FIRM LICENSE #: 184.005176

STRUCTUCTURAL NOTES

- 1.3 GENERAL REQUIREMENTS
- a DEFINITIONS
 - PRIMARY STRUCTURAL SYSTEM IS THE COMPLETED COMBINATION OF ELEMENTS WHICH SERVE TO SUPPORT THE BUILDING'S SELF-WEIGHT, THE APPLICABLE LIVE LOAD, AND THE ENVIRONMENTAL SUCH AS WIND, SEISMIC PRE-ENGINEERED STRUCTURAL ELEMENTS ARE STRUCTURAL ELEMENTS WHICH ARE SPECIFIED BY
- OWNER AS DESIGN DELEGATED ITEMS TO BE THE DESIGN RESPONSIBILITY OF A SPECIALTY STRU ENGINEER (SSE) SPECIAL INSPECTION IS INSPECTION PERFORMED BY A QUALIFIED PERSON, APPROVED BY THE BUI
- OFFICIAL, FOR THE TYPES OF WORK REQUIRING INSPECTION PER THE GOVERNING CODES AND CO DOCUMENTS SPECIALTY STRUCTURAL ENGINEER (SSE) IS A LICENSED PROFESSIONAL/STRUCTURAL ENGINEER
- THE SER, WHO IS RESPONSIBLE FOR SEALING PLANS AND DESIGNS FOR PRE-ENGINEERED STRUC ELEMENTS WHICH ARE NECESSARY FOR THE STRUCTURE TO BE COMPLETED AND THE OWNER HAS DESIGNATED AS DESIGN DELEGATED ITEMS.
- STRUCTURAL ENGINEER OF RECORD (SER) IS THE STRUCTURAL ENGINEER WHO IS LEGALLY ELIGI SEAL THE STRUCTURAL DOCUMENTS FOR A BUILDING PROJECT. THE SER IS RESPONSIBLE FOR TH DESIGN OF THE PRIMARY STRUCTURAL SYSTEM
- DESIGNATED REPRESENTATIVE FOR CONSTRUCTION (DRC I.E., CONSTRUCTION MANAGER OR GE CONTRACTOR) IS RESPONSIBLE FOR THE OVERALL CONSTRUCTION OF THE PROJECT INCLUDING P SCHEDULING, JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION.
- SPECIAL INSPECTOR: A QUALIFIED PERSON EMPLOYED OR RETAINED BY AN APPROVED AGENCY AN APPROVED BY THE BUILDING OFFICIAL AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION.
- THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND GEOTECHNICAL REPORT THE DRC SHALL COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS AND WITH
- MECHANICAL CONTRACTOR, THE LOCATION OF ALL MECHANICAL EQUIPMENT
- THE DRC SHALL NOTIFY THE ARCHITECT IF THE WEIGHTS OF MECHANICAL UNITS ETC. ARE DIFFER FROM THE WEIGHTS POSTED ON THE DESIGN DRAWINGS. DISCREPANCIES SHALL BE RESOLVED B PROCEEDING WITH CONSTRUCTION.
- THE DRC SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES TO AVC POSSIBILITY OF UNNECESSARY FUTURE PROBLEMS AND POSSIBLE FIELD ORDERS. FAILURE TO DO
- WILL PUT THE FULL RESPONSIBILITY OF CORRECTION ON THE DRC. THE DRC SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY
- INVESTIGATIONS AND FIELD MEASUREMENTS.
- DO NOT SCALE DRAWINGS. THE SER HAS NO SUPERVISORY RESPONSIBILITY, HAS NO CONTROL OF OR
- RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCE OF CONSTRUCTION, HAS NO RESPONSIBILITY FOR THE FAILURE OF ANY CONTRACTOR TO PERFORM WORK IN ACCORDANCE WITH THE DESIGN DOCUMENTS AND NO RESPONSIBILITY TO DEVISE. IMP OR ENFORCE ANY SAFETY PRECAUTIONS OR PROGRAMS FOR THE PROJECT.

FOUNDATIONS 2.1 GENERAL

- THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY ILLINOIS DRI TESTING CO. #20322 AND DATED MARCH 27, 2023. REFER TO GEOTECHNICAL REPORT FOR ADDI GEOTECHNICAL REQUIREMENTS.
- SUMMARY OF GEOTECHNICAL DESIGN VALUES
- SHALLOW STRIP AND SPREAD FOOTINGS
- ALLOWABLE SOIL BEARING PRESSURE 3,000 PSF DEPTH OF FOOTING BELOW FINISHED GRADE 42".
- BASEMENT (RESTRAINED), RETAINING WALLS (UNRESTRAINED) WALLS
- BACKFILL GRANULAR DENSITY - 115 PCF
- ACTIVE LATERAL PRESSURE (UN RESTRAINED) 45 PSF/FT
- AT REST LATERAL PRESSURE (RESTRAINED) 65 PSE/ET
- SURCHARGE COEFFICIENT (UN-RESTRAINED) .3 X LOAD(PSF) PSF SURCHARGE COEFFICIENT (RESTRAINED) - .5 X LOAD (PSF) - PSF
- COEFFICIENT OF SLIDING RESISTANCE .4
- c CONTRACTOR SHALL LOCATE ALL EXISTING BELOW GRADE UTILITIES AND INTERFERENCES PRIOR
- OF WORK. NOTIFY THE SER OF ANY INTERFERENCE. REFER TO CIVIL DRAWINGS FOR ALL SOIL IMPROVEMENT, SITE PREPARATION, GRADING, EROSION
- PROTECTION AND SITE UTILITY WORK.
- STRIP TOPSOIL OVER THE ENTIRE BUILDING AREA PROTECT ALL EXPOSED SURFACES IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- MAINTAIN ALL EXCAVATIONS FREE OF WATER CONTINUOUSLY
- DRC SHALL BE RESPONSIBLE FOR ALL SHORING/BRACING OF EXCAVATIONS
- ALL SHALLOW FOUNDATIONS SHALL BE LOCATED SHALL BEAR AT SUFFICIENT DEPTH TO PROVIDE ROST COVERAGE PER LOCAL REQUIREMENTS.
- A GEOTECHNICAL TESTING SERVICE SHALL CONFIRM ALL SOIL BEARING CAPACITIES PRIOR TO PL OF ONCRETE FOUNDATIONS.
- DO NOT BACKFILL BEHIND BASEMENT WALLS UNTIL ALL FRAMING IS COMPLETED UNLESS TEMPOR
- RACING/SHORING IS PROVIDED BY THE DRC'S SSE.
- ALL STRUCTURAL FILL AND GENERAL FILL SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL NCLUDING MATERIAL SPECIFICATION AND COMPACTION REQUIREMENTS
- m ALL BASEMENT AND RETAINING WALLS ARE DESIGNED CONSIDERING A GRANULAR BACKFILL MAT

PROJECT IMAGES



CONSTRUCTION MANAGER:

SHALES MCNUTT CONSTRUCTION, LLC

425 RENNER DRIVE ELGIN, IL 60123

T: (847) 622-1214

VICINITY MAP:



				_
	3	CONCRETE CONSTRUCTION	stamp:	1
) LOADS	3.1 a	CAST IN PLACE CONCRETE GENERAL REQUIREMENTS ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACT 301-10, SPECIFICATION FOR STRUCTURAL	TIFFANY L	
THE CTURAL		SUBMITTALS CONCRETE MIXES WITH HISTORICAL TEST DATA.	* NASH * 001-016586	
ILDING DNTRACT	b	REINFORCING STEEL PLACEMENT DRAWINGS PRODUCTS REINFORCING BARS: ASTM A615 GRADE 60	Many Man	
NOT TURAL		REINFORCING BARS WELDABLE: ASTM A706 GRADE 60 PLAIN WIRE FABRIC: ASTM A185 PORTLAND CEMENT: ASTM C150 TYPE I OR II.	11/2026	
BLE TO E		AGGREGATES: ASTM C33 WATER: POTABLE ASTM C94 ADMIXTURES AIR ENTRAINING ASTM C260		
		CHEMICAL ADMIXTURES ASTM C 494		
ND		SLUMP: 4" CONCRETE STRENGTH: F'C 4,000 PSI AT 28 DAYS MIXING PER ASTM C94		
THE	C	CURING COMPOUNDS: ASTM C309 OR C1315		
I THE	U	CONCRETE COVER CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"	S S S S S S S S S S S S S S S S S S S	
RENT		CONCRETE EXPOSED TO EARTH OR WEATHER 2" CONCRETE NOT EXPOSED TO WEATHER 1-1/2"		
EFORE		ALL FOOTINGS, WALL FOOTINGS, GRADE BEAMS AND PILE/CAISSON CAPS SHALL BE FORMED UNLESS NOTED. LAP SPLICE LENGTHS PER ACL 318 CHAPTERS 12 USING A CLASS B SPLICE. ALL WELDED WIRE FABRIC SHALL		
ND THE		BE LAPPED ONE GRID MINIMUM		
50		PLACED IN ACCORDANCE WITH ACI RECOMMENDATIONS I.E., A MAXIMUM PANEL SIZE (IN FEET) EQUAL TO APPROXIMATELY THREE TIMES THE THICKNESS OF THE SLAB (IN INCHES) IN BOTH DIRECTIONS. HOOK ENDS OF BARS INTERRUPTED BY OPENINGS. HOOK TOP BARS AT ALL CONCRETE EDGES. AT ALL WALL AND SLAB OPENINGS.	nera	
		PROVIDE 2-#5 BARS X OPENING WIDTH PLUS 4 FEET (2 FEET EACH SIDE) EACH FACE, UNLESS SHOWN		
THE LEMENT		PLACEMENT OF CONCRETE IN COLD WEATHER SHALL COMPLY WITH ACI306 PLACEMENT OF CONCRETE IN HOT WEATHER SHALL COMPLY WITH ACI305 TOLERANCES SHALL MEET ACI 117, ACI 301 AND ACI 318 AS A MINIMUM.	t &	
		STRUCTURAL ABBREVIATIONS LEGEND:		
LING AND		A.B.S ANCHOR BOLIS PSI - POUNDS PER SQUARE INCH ARCH - ARCHITECTURAL DRAWINGS PCF - POUNDS PER CUBIC FOOT		
TIONAL		B/ - BOTTOM OF RD - ROOF DRAIN BOTT BOTTOM STL - STEEL		
		CGF - COMPACTED GRANULAR FILL SOG - SLAB ON GRADE CL - CENTERLINE T/ - TOP OF		
		CMU - CONCRETE MASONRY UNITS U.N UNLESS NOTED		
		CONC - CONCRETE VIF - VERIFY IN FIELD	U 7 0	
		E - EXISTING MATERIAL W/ - WITH FT - FOOT # - POUNDS OR NUMBER		-
		HD - HOLD DOWN SSE - SPECIALTY STRUCTURAL ENGINEER HKD - HOOKED SER - STRUCTURAL ENGINEER OF RECORD		
		K - KIP CONTRACTOR - DESIGNATED REPRESENTATIVE		
TO START		MEP - MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS		
N		N - NEW MATERIAL O.C ON CENTER		
		PSF - POUNDS PER SQUARE FOUT	St St	
		1.9STRUCTURAL TESTS AND INSPECTIONS (IBC 2018)aAN INDEPENDENT APPROVED AGENCY SHALL PROVIDE SPECIAL INSPECTIONS AND TESTS DURING	d .	
		CONSTRUCTION IN ACCORDANCE WITH CHAPTER 17 OF IBC 2018. b THE APPROVED AGENCY'S SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE		
		TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.		
acement		REPORTS TO THE BUILDING OFFICIAL AND THE SER.		
RARY		ALL DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DRC FOR CORRECTION. IF UNCORRECTED, THE APPROVED AGENCY SHALL NOTIFY THE BUILDING OFFICIAL AND THE SER.		
L REPORT		eREFER TO IBC 2018 1/04.5 FOR SUBMITTALS TO THE BUILDING OFFICIAL IN ADDITION TO THE REPORTS.fTHE APPROVED AGENCY SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING	>	
ERIAL.		SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THIS CODE.) 0 0	
		g QUALITY CONTROL SHALL BE THE RESPONSIBILITY OF THE FABRICATOR/ERECTOR IN	1 t	
		h JOB SITE VISITS BY THE SER DO NOT CONSTITUTE AN OFFICIAL SPECIAL INSPECTION.		



architecture + desiar

811 w. evergreen ave

chicago, il 60642

suite 405



h existing site photos

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







ELECTRICAL SPECIFICATIONS

I. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE WITH VILLAGE OF SCHAUMBURG AMENDMENTS.

- 2. PROVIDE ALL PERMITS AND INSPECTION FEES.
- 3. ALL MATERIAL AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER FINAL ACCEPTANCE BY THE OWNER.
- 4. CONTRACTOR SHALL PROVIDE THEIR OWN RIGGING, SCAFFOLDING, RUBBISH REMOVAL, AND LEAVE SPACE BROOM CLEAN.
- 5. MINIMUM SIZE CONDUIT SHALL BE 3/4". ALL CONDUIT INSTALLATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

- UNDERGROUND OUTSIDE FOUNDATION WALL: PROVIDE RIGID STEEL CONDUIT, INTERMEDIATE METAL CONDUIT PLASTIC COATED RIGID STEEL CONDUIT, SCHEDULE 80 PVC. WHERE APPROVED BY ALL BODIES HAVING JURISDICTION AND INDICATED ON DRAWINGS, PROVIDE NONMETALLIC CONDUIT WITH STEEL ELBOWS, PROVIDE CAST BOXES. - IN OR UNDER SLAB ON GRADE: PROVIDE RIGID STEEL CONDUIT, INTERMEDIATE METAL CONDUIT, PLASTIC COATED RIGID STEEL CONDUIT, SCHEDULE 40 PVC. WHERE APPROVED BY ALL BODIES HAVING JURISDICTION AND INDICATED ON DRAWINGS, PROVIDE NONMETALLIC CONDUIT WITH STEEL ELBOWS. PROVIDE CAST BOXES. - OUTDOOR LOCATIONS, ABOVE GRADE: PROVIDE RIGID STEEL AND ALUMINUM CONDUIT. PROVIDE CAST METAL OUTLET, PULL, AND JUNCTION BOXES.

- IN SLAB ABOVE GRADE: PROVIDE RIGID STEEL CONDUIT OR INTERMEDIATE METAL CONDUIT OR WHERE APPROVED BY ALL BODIES HAVING JURISDICTION; PROVIDE THICKWALL NONMETALLIC CONDUIT WITH STEEL ELBOWS. PROVIDE CAST OR SHEET METAL BOXES.

- WET AND DAMP LOCATIONS: PROVIDE RIGID STEEL AND ALUMINUM CONDUIT. PROVIDE CAST METAL, JUNCTION, AND PULL BOXES. PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS.

- CONCEALED DRY LOCATIONS: PROVIDE RIGID STEEL AND ALUMINUM CONDUIT, INTERMEDIATE METAL CONDUIT OR ELECTRICAL METALLIC TUBING, PROVIDE SHEET-METAL BOXES, PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS. PROVIDE HINGED ENCLOSURE FOR LARGE PULLBOXES. CONDUITS 2" AND BELOW MAY BE ELECTRICAL METALLIC TUBING. CONDUITS OVER 2" SHALL BE RIGID STEEL AND ALUMINUM CONDUIT, INTERMEDIATE METAL CONDUIT, UNLESS INDICATED OTHERWISE ON DRAWINGS.

- FLEXIBLE METAL CONDUITS: PROVIDE FOR FINAL CONNECTIONS (MAXIMUM 6 FEET) AT INDOOR DRY LOCATIONS OF CONDUCTORS SERVING EQUIPMENT SUBJECT TO VIBRATION OR LUMINAIRES ABOVE ACCESSIBLE CEILINGS. - LIQUIDTIGHT FLEXIBLE METAL CONDUITS: PROVIDE FOR FINAL CONNECTIONS (MAXIMUM 6 FEET) AT INDOOR DAMP/WET/CORROSIVE LOCATIONS, MECHANICAL ROOMS CONTAINING HYDRONIC EQUIPMENT, AND OUTDOOR LOCATIONS OF CONDUCTORS SERVING EQUIPMENT SUBJECT TO VIBRATION.

- 6. MINIMUM SIZE CONDUCTOR SHALL BE #12 THHN, OR THWN WHERE REQUIRED. CONDUCTOR MATERIAL SHALL BE COPPER ONLY.
- 7. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS.
- 8. BRANCH CIRCUIT CONDUCTORS FOR 20 AMP RECEPTACLES AND LIGHTING CIRCUITS SHALL BE ADJUSTED FOR VOLTAGE DROP:

١.	120/208V:	0-75'	-	#12AWG	MINIMUM	
		75'-150'	-	#IOAWG	MINIMUM	
		150'-225'	-	#8AWG	MINIMUM	
6.	277/ 4 80V:	0-100'	-	#12AWG	MINIMUM	
		100'-200'	-	#10AWG	MINIMUM	
		200'-300'	-	#8AWG	MINIMUM	

ELECTRICAL SPECIFICATIONS (CONTINUED)

- PROVIDE TYPEWRITTEN DIRECTORIES IN ALL PANELS.

- EQUIPMENT AS MAY BE REQUIRED BY THIS WORK.

- 23. LUMINAIRES:

LUMINAIRES SHALL BE PROVIDED AS SPECIFIED ON DRAWINGS. LUMINAIRES SHALL BE HUNG AND MOUNTED IN PLACE, PROPERLY WIRED, TESTED, AND LEFT READY FOR OPERATION BY THE CONTRACTOR.

HANGING DEVICES, BRACKETS, ENCLOSURES, AND OTHER ACCESSORIES SHALL BE PROVIDED FOR A COMPLETE INSTALLATION AND SHALL BE INSTALLED BY THE CONTRACTOR.

DESIGNATED.

THE MOUNTING HEIGHT OF LUMINAIRES SHALL BE CONFIRMED BEFORE INSTALLATION.



9. ALL CONDUCTORS SHALL BE COLOR CODED.

10. CONTRACTOR SHALL PROVIDE ALL NECESSARY CUTTING AND PATCHING INCLUDING SLEEVES AND INSERTS.

II. COLOR AND FINISH OF ALL MATERIALS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY ARCHITECT. PROVIDE SHOP DRAWINGS REQUIRED FOR FINISH AND COLOR SELECTION.

12. ALL NEW CIRCUIT BREAKERS SHALL BE BOLT-ON BREAKERS (10,000 A.I.C.), COMPATIBLE WITH EXISTING PANELBOARD.

13. CONTRACTOR SHALL VISIT THE SITE TO ASCERTAIN ALL WORK INVOLVED IN THE PROJECT.

14. CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS ON THE PROJECT.

15. CONTRACTOR SHALL MAKE NECESSARY MODIFICATIONS AND ADJUSTMENTS TO ALL ELECTRICAL ITEMS AND

16. ALL ELECTRICAL EQUIPMENT MUST MAINTAIN WORKING CLEARANCES AS REQUIRED BY NEC.

17. THE CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. REMOVE, STORE, AND REINSTALL CEILING TILES AS REQUIRED TO INSTALL WORK ABOVE EXISTING REMOVABLE CEILINGS WHICH REMAIN; REPLACE TILES BROKEN OR DAMAGED DURING CONSTRUCTION. ALL PATCHING, REPAIRING, AND REFINISHING WORK TO OTHER FINISHES AND STRUCTURAL ELEMENTS SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE WHILE MAINTAINING EXISTING FIRE RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXISTING FIRE RATINGS OF CEILINGS AND PARTITIONS SYSTEMS. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED, AND PAID FOR BY THE INSTALLING CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT.

18. FLEXIBLE RACEWAY SYSTEMS SHALL NOT BE USED TO PENETRATE ROOFS, FLOORS, OR AIR/MOISTURE BARRIERS.

19. RACEWAY SYSTEMS SHALL NOT BE ROUTED THROUGH OR IN HVAC DUCTS.

LUMINAIRES SHALL BE HUNG PLUMB AND SET SQUARE AGAINST THE WALL OR CEILING, OR SUSPENDED AS

TYPE	DESCRIPTION	MOUNTING
"FI"	RAMP LIGHT IN BLACK FINISH	WALL

<u>NOTES:</u>

REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS. GENERAL NOTES:

CONTRACTOR TO PROVIDE NECESSARY MOUNTING HARDWARE AND LABOR FOR LUMINAIRES.

