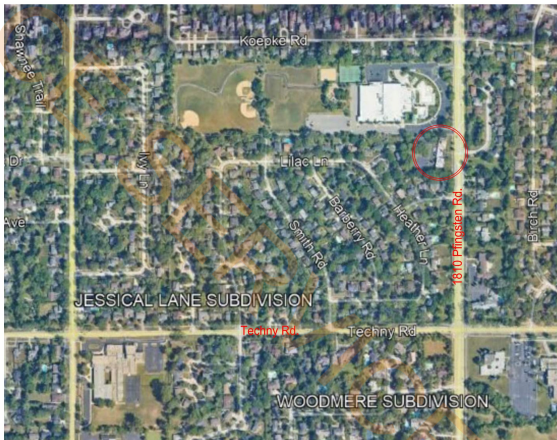


New Elevator Installation Islamic Cultural Center of Greater Chicago



Existing Building



Vicinity Map



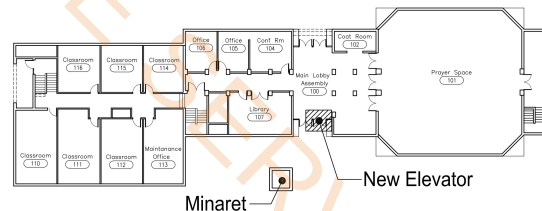
Issued for Permit 03.19.26
1810 Pfingsten Rd. Northbrook IL. 60062

Drawing Index

G0.0	Cover Sheet
G1.1	Survey
G1.2	Exit Capacity
G1.2	Existing Conditions
A1.1	Floor Plans and RCP's
A1.2	Exterior Elevation / Sections
S0.0	General Notes
S0.1	Special Inspections
S1.1	Framing Plans
S2.0	Sections and Details
S2.1	Sections and Details
S3.0	Typical Details
S3.1	Typical Details
M1.0	Mechanical Plans & Notes
E1.0	Electrical Riser Diagram
E1.1	Electrical Plans
P1.0	Elevator Sump Pump

Project Description

The scope of work for this project consists of a new elevator connecting the first floor lobby to the basement, which will require a modified storefront entrance. There are no changes to the Occupancy Use or the exiting.



Area of Work

CLIENT
ICC of Greater Chicago
1810 Pfingsten Rd.
Northbrook IL 60062
Muhamad Dabbouseh 847.272.0314

MEP ENGINEER
ACGi
300 W. Adams St. #420
Chicago, IL 60606
Ehab Elqag 312.357.1840 x111

Architects' Statement

I CERTIFY THAT THESE DRAWINGS WERE PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE CONFORM TO THE NORTHBROOK BUILDING CODE AND THE STATE OF ILLINOIS ACCESSIBILITY REQUIREMENTS.

Arden D. Freeman

ARCHITECT
ILLINOIS LICENSE NUMBER: 001-016151

ARCHITECT
Built Form, LLC
935 West Chestnut, Suite 520
Chicago, IL 60642
Arden Freeman 773.805.7056

STRUCTURAL ENGINEER
The Structural Group
707 Lake Cook Rd #107
Deerfield, IL 60015
Jan Blok 847.562.1977 x1001

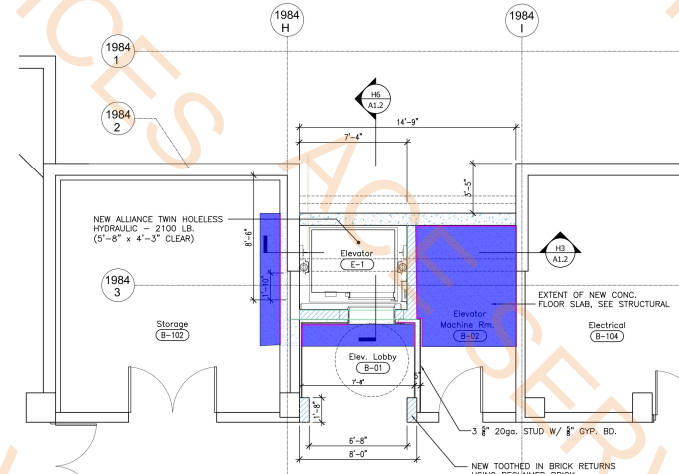
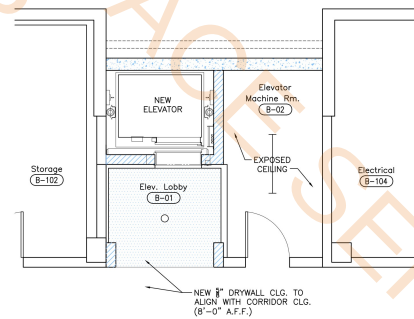
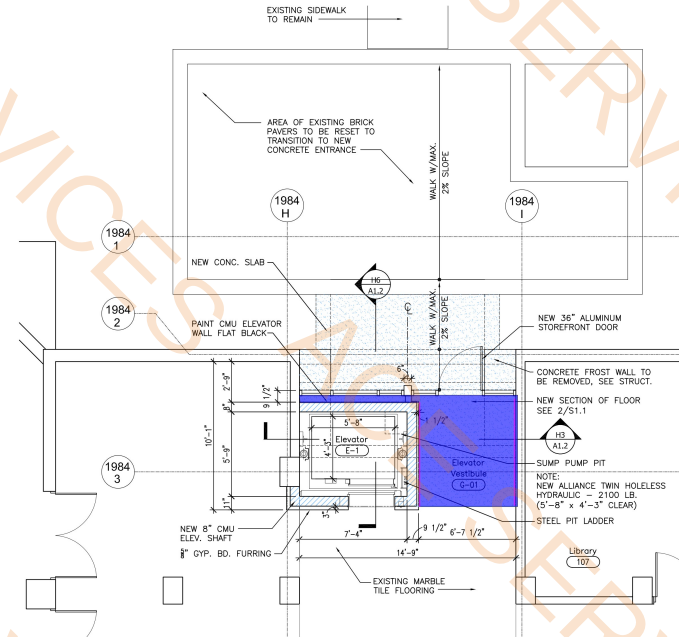
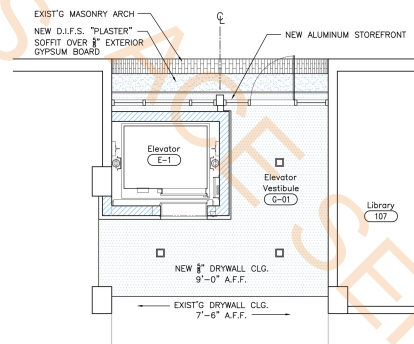
11/30/2026
DATE



Arden D. Freeman

Marble Tile Flooring
4"H Marble Wall Base

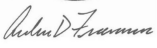
135.0 SQ FT
54.2 FT



SCOPE OF DOCUMENT

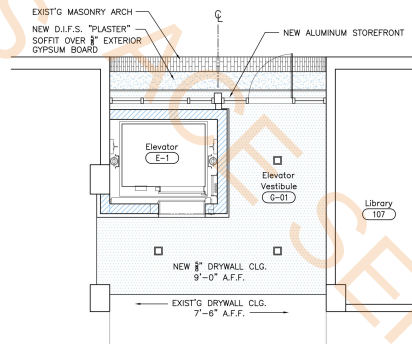
- THIS DOCUMENT WITH THE ACCOMPANYING DRAWINGS AND SPECIFICATIONS, DESCRIBES THE GENERAL SCOPE OF THE PROJECT AND DESIGN CONCEPT IN TERMS OF THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL SYSTEMS. THESE DOCUMENTS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL OF THE WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT.
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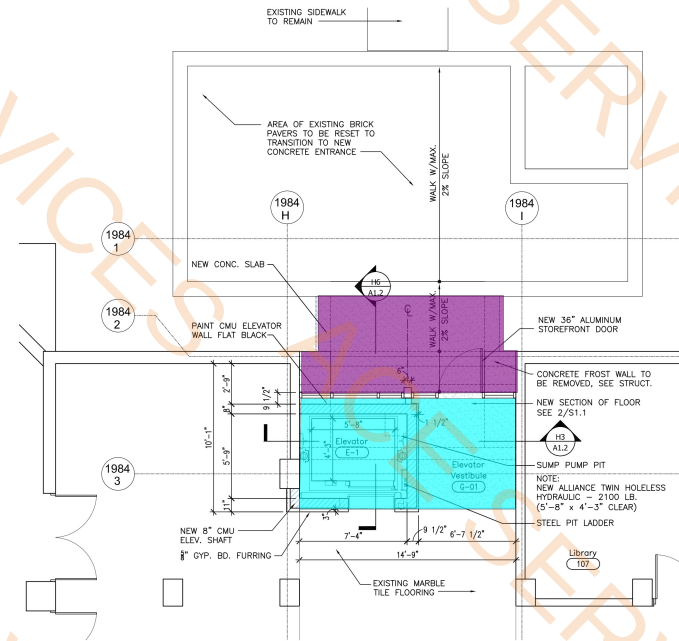
			
01		ISSUED FOR PERMIT	03/19/26
NUMBER		ISSUED FOR	DATE
Architect: Built Form, LLC 935 W. Chestnut, Suite #520, Chicago, IL 60642			
Structural Engineer: The Structural Group 707 Lake Cook Rd., Suite #300, Deerfield, IL 60015			
MEP/LS Engineer: Advance Consulting Group International 300 W. Adams, Suite #420, Chicago IL 60606			
PROJECT New Elevator & Entrance 1810 Pfingsten Rd., Northbrook, IL 60062			
CLIENT Islamic Cultural Center of Greater Chicago 1810 Pfingsten Rd., Northbrook, IL 60062			
SHEET TITLE Plans and RCP's			
PROJECT NO. 25-481		A1.1	
DATE 08.20.2025			

- Remove Concrete Slab
- Remove Composite Deck
- Remove Sidewalk

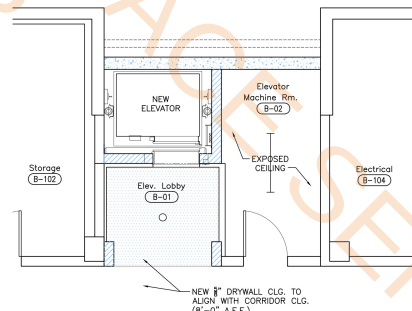
157.5 SQ FT
110.3 SQ FT
89.9 SQ FT



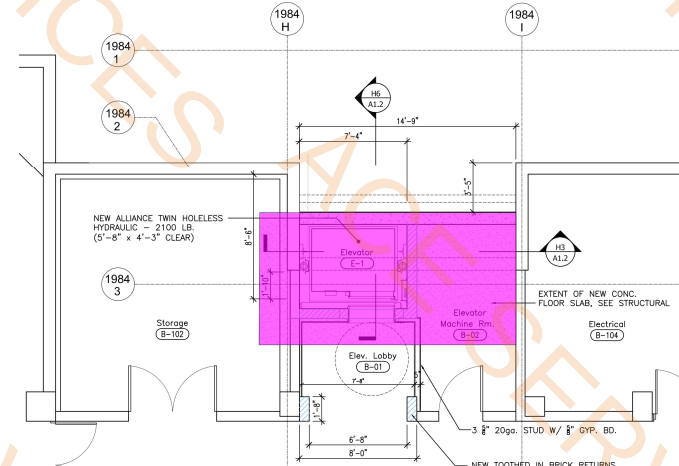
E8 Ground Floor RCP
SCALE: 1/4" = 1'-0"



E4 Ground Floor Plan
SCALE: 1/4" = 1'-0"



H8 Basement RCP
SCALE: 1/4" = 1'-0"



H4 Basement Floor Plan
SCALE: 1/4" = 1'-0"

SCOPE OF DOCUMENT

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- ON THE BASIS OF THE SCOPE INDICATED OR DESCRIBED, THE CONTRACTOR SHALL DETERMINE AND INCLUDE IN HIS PROPOSALS ALL ITEMS NECESSARY TO PROVIDE THE PROPER EXECUTION AND COMPLETION OF THE WORK.



Arden D. Freeman

NUMBER	ISSUED FOR	DATE
01	ISSUED FOR PERMIT	03.19.26

Architect:
Built Form, LLC
935 W. Chestnut, Suite #520, Chicago, IL 60642
Structural Engineer:
The Structural Group
707 Lake Cook Rd., Suite #300, Deerfield, IL 60015
MEP/ALS Engineer:
Advance Consulting Group International
300 W. Adams, Suite #420, Chicago, IL 60606

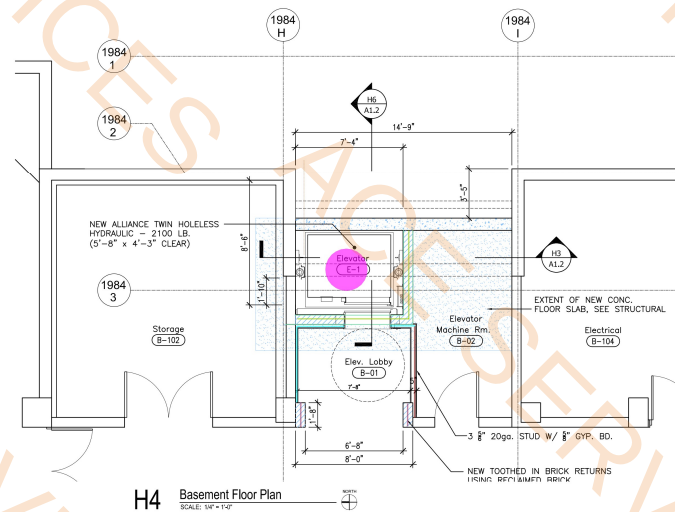
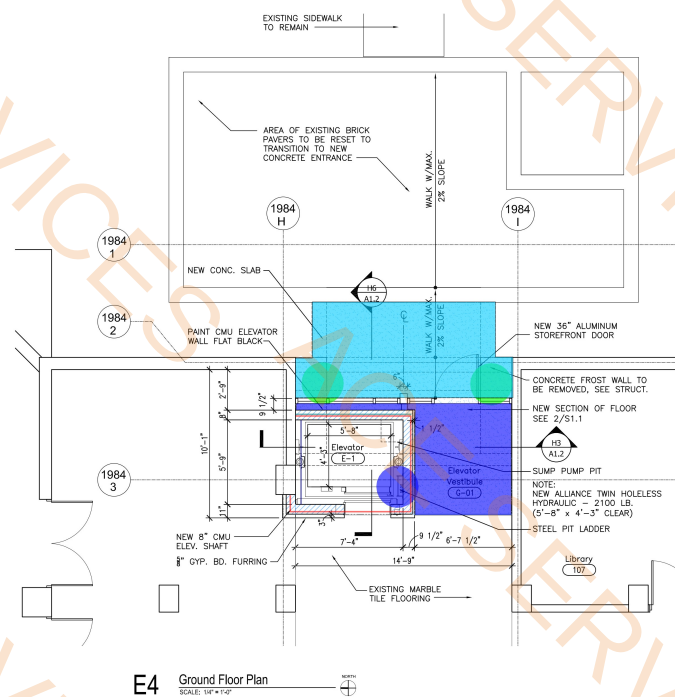
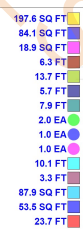
PROJECT
New Elevator & Entrance
1810 Pfingsten Rd., Northbrook, IL 60062

CLIENT
Islamic Cultural Center
of Greater Chicago
1810 Pfingsten Rd., Northbrook, IL 60062

SHEET TITLE
Plans and RCP's

PROJECT NO.
25-481
DATE
08.20.2025

A1.1



A

1. THIS DOCUMENT WITH THE ACCOMPANYING DRAWINGS AND SPECIFICATIONS, DESCRIBES THE GENERAL SCOPE OF THE WORK AND THE DESIGN CONCEPT IN TERMS OF THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL SYSTEMS. THESE DOCUMENTS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL OF THE WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT.
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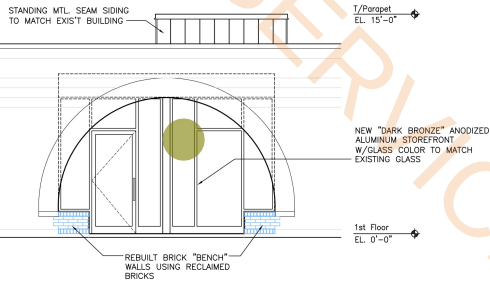
Architect:			
Built Form, LLC			
935 W. Chestnut, Suite #520, Chicago, IL 60642			
Structural Engineer:			
The Structural Group			
707 Lake Cook Rd., Suite #300, Deerfield, IL 60015			
MEP/LS Engineer:			
Advance Consulting Group International			
300 W. Adams, Suite #420, Chicago, IL 60606			

PROJECT NO. 25-481	A1.1
DATE 08.20.2025	

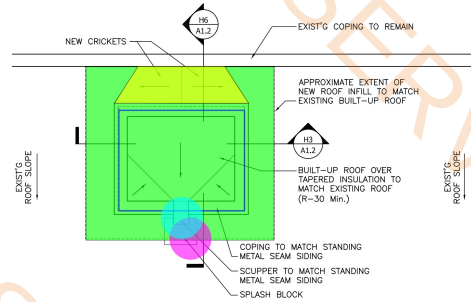
A1.1

- Built Up Roofing w/Tapered Insulation (R30)
● Roof Cricket
■ Coping & Standing Metal Seam Siding w/1'-1/2" Galvanized Furring @2'-6"H & 2-3/4" Dupont Armor Wall Insulation
■ Splash Block
● Scupper
● 14'-8"W x 11"H Storefront

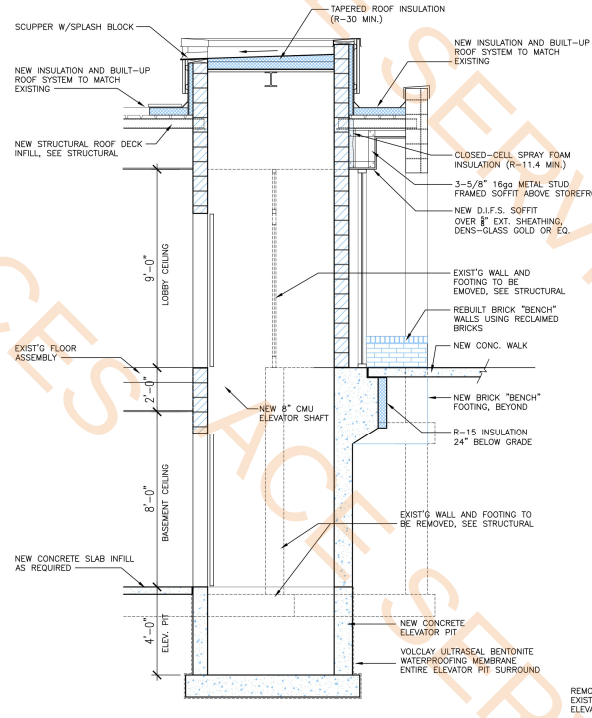
191.90 FT
181.90 FT
30.9 FT
1.0 EA
1.0 EA
1.0 EA



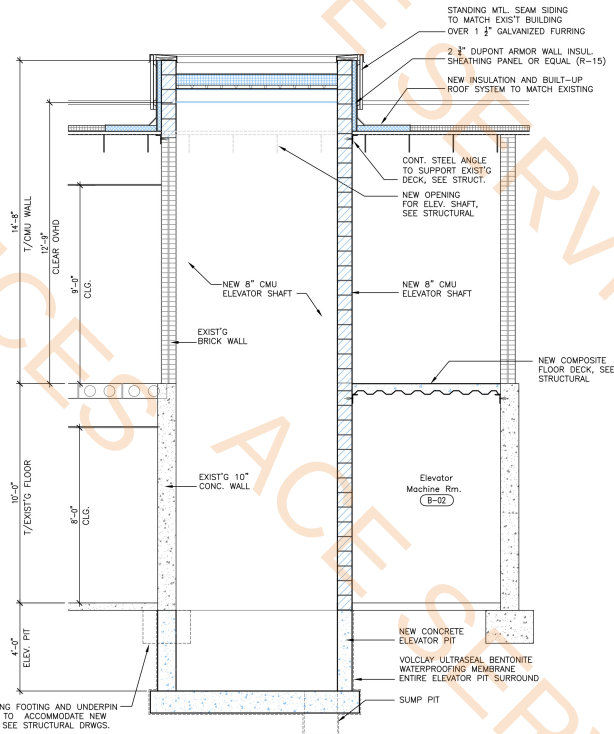
D6 East Entrance Elevation
SCALE: 1/4" = 1'-0"



B3 Roof Plan - Elevator Overide
SCALE: 1/4" = 1'-0"



H6 Transverse Section Looking North
SCALE: 3/8" = 1'-0"



H3 Longitudinal Section Looking East
SCALE: 3/8" = 1'-0"

SCOPE OF DOCUMENT

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01	ISSUED FOR PERMIT	03.19.24
NUMBER	ISSUED FOR	DATE

Architect:
Built Form, LLC
935 W. Chestnut, Suite #520, Chicago, IL 60642
Structural Engineer:
The Structural Group
707 Lake Cook Rd., Suite #300, Deerfield, IL 60015
MEP/LS Engineer:
Advance Consulting Group International
300 W. Adams, Suite #420, Chicago IL 60606

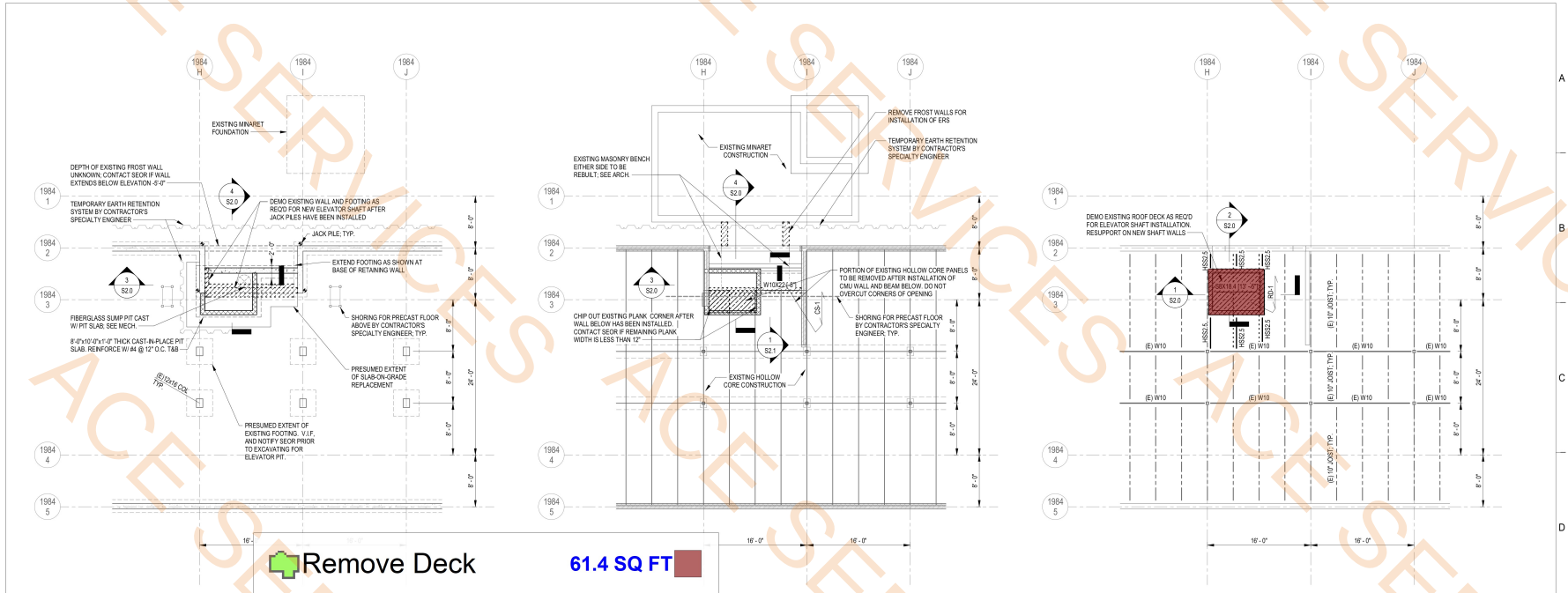
PROJECT
New Elevator & Entrance
1810 Pingsten Rd., Northbrook, IL 60062

CLIENT
Islamic Cultural Center of Greater Chicago
1810 Pingsten Rd., Northbrook, IL 60062

SHEET TITLE
Elevation and Wall Sections

PROJECT NO.
225-481
DATE
08.20.2025

A1.2



1 PARTIAL BASEMENT LEVEL PLAN
SCALE: 1/8" = 1'-0"

2 FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

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

ANTICIPATED SEQUENCE OF CONSTRUCTION

1. REMOVE FROST WALLS BETWEEN EXISTING MINARET CONSTRUCTION AND EAST SIDE OF BUILDING.
 2. INSTALL TEMPORARY EARTH RETENTION SYSTEM BY CONTRACTOR'S SPECIALTY ENGINEER ON EAST SIDE OF BUILDING AND INTERIOR BASEMENT.
 3. EXCAVATE ALONG EAST SIDE OF BUILDING DOWN TO EXISTING BASEMENT WALL FOUNDATIONS.
 4. INSTALL HYDRAULIC JACK PILES BY CONTRACTOR'S SPECIALTY ENGINEER AT LOCATIONS AS INDICATED ON PLAN.
 5. INSTALL TEMPORARY SHORING BY CONTRACTOR'S SPECIALTY ENGINEER TO SUPPORT EXISTING PRECAST FLOOR CONSTRUCTION.
 6. REMOVE EXISTING BASEMENT WALLS AS INDICATED BETWEEN GRID H & I.
 7. EXCAVATE REQUIRED AREA FOR INSTALLATION OF ELEVATOR PIT.
 8. CONSTRUCT ELEVATOR PIT SLAB, NEW BASEMENT WALL, PIT WALLS, AND SHAFT WALLS UP TO UNDERSIDE OF EXISTING PRECAST FLOOR CONSTRUCTION.
 9. INSTALL NEW BEAM AS INDICATED ON PLAN TO SUPPORT EAST EDGE OF EXISTING PRECAST FLOOR CONSTRUCTION TO REMAIN.
 10. CONSTRUCT NEW FIRST FLOOR AREA BETWEEN NEW RETAINING WALL AND EXISTING PRECAST FLOOR CONSTRUCTION.
 11. CONSTRUCT SHAFT WALLS UP TO UNDERSIDE OF EXISTING STEEL ROOF CONSTRUCTION.
 12. INSTALL NEW BEAMS AS INDICATED ON PLAN AND ADDITIONAL FRAMING INDICATED IN SECTIONS TO SUPPORT EXISTING ROOF DECK.
 13. REMOVE EXISTING ROOF JOISTS AS INDICATED ON PLAN AND EXISTING ROOF DECK IN THE AREA OF THE ELEVATOR SHAFT.
 14. CONSTRUCT THE REMAINDER OF THE SHAFT WALLS, INSTALL HOIST BEAM, AND INSTALL NEW ROOF DECK.
- SUB SEQUENCE 1 TO OCCUR ANYTIME AFTER STEP 10 ABOVE -
1. BACKFILL EAST SIDE OF BUILDING UP TO ELEVATION 4'-0".
 2. REMOVE TEMPORARY EARTH RETENTION SYSTEM BY CONTRACTOR'S SPECIALTY ENGINEER ON EAST SIDE OF BUILDING.
 3. RE-CONSTRUCT FROST WALLS BETWEEN EXISTING MINARET CONSTRUCTION AND EAST SIDE OF BUILDING.
 4. FINISH BACKFILLING EAST SIDE OF BUILDING UP TO FINISH GRADE.

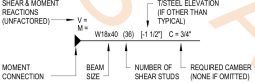
COMBINED PLAN SHEET NOTES

1. SEE SHEET S0.0 FOR GENERAL NOTES.
2. (E) INDICATES EXISTING. EXISTING INFORMATION INDICATED IS BASED ON DRAWINGS BY ROWE & JOHNSON ARCHITECTS DATED JAN. 15, 1984. EXISTING INFORMATION INDICATED HAS NOT BEEN CONFIRMED AND SHALL BE VERIFIED IN FIELD.
3. CONSTRUCTION TO COORDINATE SEQUENCING AND TEMPORARY SHORING AND BRACING.
4. COORDINATE EXTENTS OF DEMOLITION WITH ARCHITECTURAL AND MEP DRAWINGS.
5. (E) BASEMENT SLAB EL. = -10'-0" U.D.
6. (E) FIRST FLOOR SLAB EL. = -0'-0" U.D.
7. (E) ROOF FRAMING EL. = +11'-4" U.D.
8. PROVIDE #6 @ 30" O.C. VERTICAL REINFORCEMENT IN CMU WALLS, U.D.
9. HSS2.5 = HSS2.10x2.10x1/4
10. "W-BEAM UNTEL." INDICATES W-BEAM UNTEL. BELOW. SEE TYPICAL W-BEAM UNTEL DETAIL AND REFER TO BEARING PLATE ON CMU SCHEDULE.
11. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL WALLS AND WALL OPENING LOCATIONS & SIZES.
12. SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAIN LOCATIONS.
13. SEE ARCHITECTURAL DRAWINGS FOR TYPICAL ELEVATIONS.
14. STRUCTURAL DRAWINGS DO NOT SHOW ALL MECHANICAL OPENINGS. COORDINATE WITH ARCHITECTURAL AND MEP DRAWINGS FOR SIZE, QUANTITY, AND LOCATION.

COMBINED PLAN LEGEND

1. ZZZZZZZZ INDICATES EXISTING FLOOR SLAB OR ROOF DECK TO BE DEMOLISHED.
2. [Symbol] INDICATES CMU BEARING / SHEAR WALL. SEE PLAN & TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. [Symbol] S0.0.1 INDICATES 9" NORMAL-HEIGHT CONCRETE SLAB ON GRADE REINFORCED W/ 1 LAYER OF W #4 @ 18" W/2 W/2 PLACES 7" FROM TOP OF SLAB. SEE GENERAL NOTES FOR HAPOR, BARRIER AND SUBGRADE REQUIREMENTS. SEE TYPICAL DETAILS ON S2.0.
4. [Symbol] INDICATES APPROXIMATE LOCATION OF 30" x 30" PILE FOR TEMPORARY WALL SUPPORT DURING EXCAVATION AND INSTALLATION OF ELEVATOR PIT. PILES TO BE DESIGNED BY CONTRACTOR'S SPECIALTY ENGINEER AND CAPABLE OF SUPPORTING 77 KIPS.
5. RD-1 INDICATES SPIN DIRECTION OF 1" x 12" x 3/4" GALV. GALVANIZED W/8 B TYPE B STEEL ROOF DECK. DECK FASTENERS: SUPPORT - 3/4" PATTERN W/ 50 PIGTAIL WELDS. SIDE LAP - (3) #10 TEK SCREWS.
6. CS-1 INDICATES SPIN DIRECTION OF 2" LIGHTWEIGHT CONCRETE OVER 1 1/2" x 20 GA. COMPOSITE STEEL DECK (4 1/2" TOTAL). REINFORCED W/ #6 W/2 HWY 1 W/ R. HEADED SHEAR STUDS ON STEEL BEAMS TO BE 3/4" DIA x 3 1/4" LONG. SEE PLAN FOR STUD QUANTITIES (STUD MAX SPACING TO BE 12" O.C. U.D.).

BEAM LEGEND



SCOPE OF DOCUMENT

1. THIS DOCUMENT WITH THE ACCOMPANYING DRAWINGS AND SPECIFICATIONS, DESCRIBES THE GENERAL SCOPE OF THE PROJECT AND DESIGN CONCEPT IN TERMS OF THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL SYSTEMS. THESE DOCUMENTS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL OF THE WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT.
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GENERAL NOTES

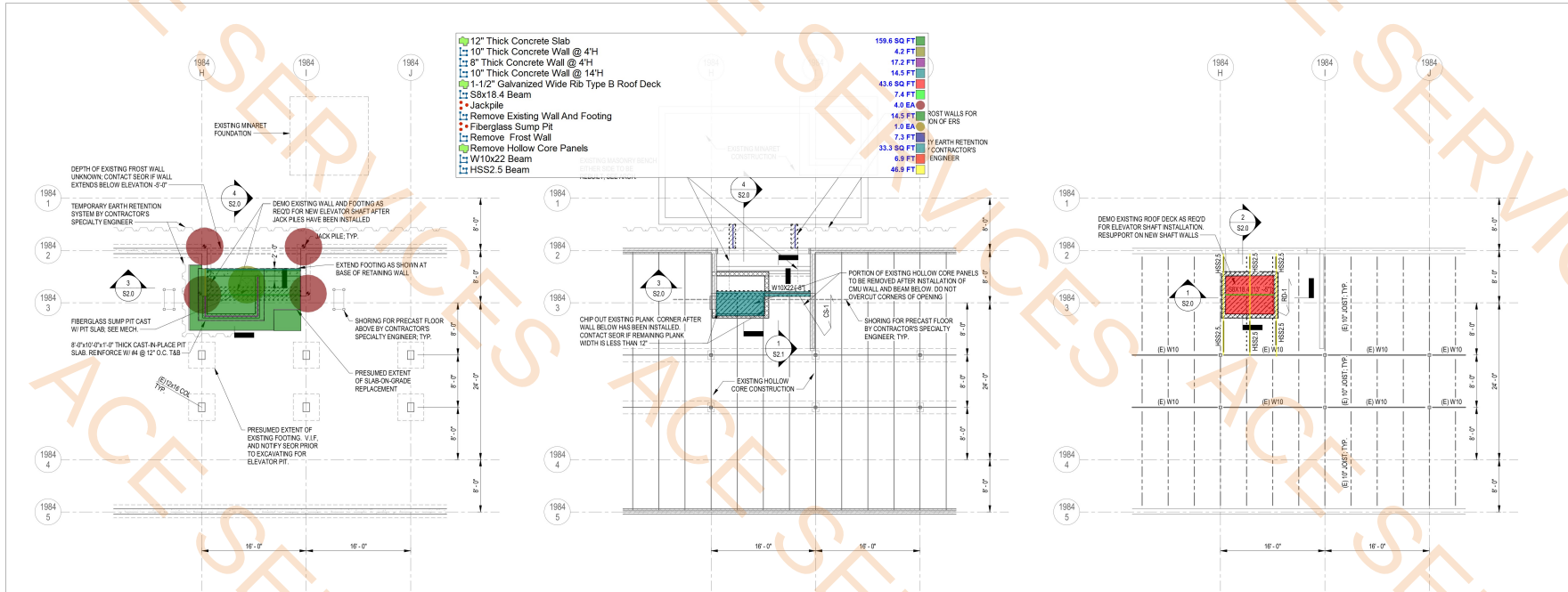
Key Plan

These documents have been prepared at and/or under my supervision and to the best of my knowledge and belief conform to and comply with the requirements of the current governing building code.

Licensed Structural Engineer in the State of Illinois
License No. 081-004945
Expiration November 30, 2024
A Professional Design Firm No. 184.001472-203

John B. SUE

These documents have been prepared and/or under the supervision and to the best of my knowledge and belief conform to and comply with the requirements of the current governing building code.		
Licensed Structural Engineer in the State of Illinois License No. 081-004945 Expiration November 30, 2024 IL Professional Design Firm No. 154.010472-003		
		
JIM BLOK, P.E.		



1 PARTIAL BASEMENT LEVEL PLAN
SCALE: 1/8" = 1'-0"

2 FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

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

ANTICIPATED SEQUENCE OF CONSTRUCTION

1. REMOVE FROST WALLS BETWEEN EXISTING MINARET CONSTRUCTION AND EAST SIDE OF BUILDING.
2. INSTALL TEMPORARY EARTH RETENTION SYSTEM BY CONTRACTOR'S SPECIALTY ENGINEER ON EAST SIDE OF BUILDING AND INTERIOR BASEMENT.
3. EXCAVATE ALONG EAST SIDE OF BUILDING DOWN TO EXISTING BASEMENT WALL FOUNDATIONS.
4. INSTALL HYDRAULIC JACK PILES BY CONTRACTOR'S SPECIALTY ENGINEER AT LOCATIONS AS INDICATED ON PLAN.
5. INSTALL TEMPORARY SHORING BY CONTRACTOR'S SPECIALTY ENGINEER TO SUPPORT EXISTING PRECAST FLOOR CONSTRUCTION.
6. REMOVE EXISTING BASEMENT WALLS AS INDICATED BETWEEN GRID H & I.
7. EXCAVATE REQUIRED AREA FOR INSTALLATION OF ELEVATOR PIT.
8. CONSTRUCT ELEVATOR PIT SLAB, NEW BASEMENT WALL, PIT WALLS AND SHAFT WALLS UP TO UNDERSIDE OF EXISTING PRECAST FLOOR CONSTRUCTION.
9. INSTALL NEW BEAM AS INDICATED ON PLAN TO SUPPORT EAST EDGE OF EXISTING PRECAST FLOOR CONSTRUCTION TO REMAIN.
10. CONSTRUCT NEW FIRST FLOOR AREA BETWEEN NEW RETAINING WALL AND EXISTING PRECAST FLOOR CONSTRUCTION.
11. CONSTRUCT SHAFT WALLS UP TO UNDERSIDE OF EXISTING STEEL ROOF CONSTRUCTION.
12. INSTALL NEW BEAMS AS INDICATED ON PLAN AND ADDITIONAL FRAMING INDICATED IN SECTIONS TO SUPPORT EXISTING ROOF DECK.
13. REMOVE EXISTING ROOF JOISTS AS INDICATED ON PLAN AND EXISTING ROOF DECK IN THE AREA OF THE ELEVATOR SHAFT.
14. CONSTRUCT THE REMAINDER OF THE SHAFT WALLS, INSTALL HOIST BEAM AND INSTALL NEW ROOF DECK.

- SUBSEQUENCE 1 TO OCCUR ANYTIME AFTER STEP 10 ABOVE -

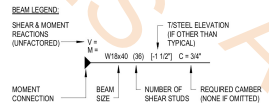
1. BACKFILL EAST SIDE OF BUILDING UP TO ELEVATION 4'-0".
2. REMOVE TEMPORARY EARTH RETENTION SYSTEM BY CONTRACTOR'S SPECIALTY ENGINEER ON EAST SIDE OF BUILDING.
3. RE-CONSTRUCT FROST WALLS BETWEEN EXISTING MINARET CONSTRUCTION AND EAST SIDE OF BUILDING.
4. FINISH BACKFILLING EAST SIDE OF BUILDING UP TO FINISH GRADE.

COMBINED PLAN SHEET NOTES

1. SEE SHEET 50.0 FOR GENERAL NOTES.
2. (E) INDICATES EXISTING. EXISTING INFORMATION INDICATED IS BASED ON DRAWINGS BY ROWE & JOHNSON ARCHITECTS DATED JAN. 15, 1984. EXISTING INFORMATION INDICATED HAS NOT BEEN CONFIRMED AND SHALL BE VERIFIED IN FIELD.
3. CONTRACTOR TO COORDINATE SEQUENCING AND TEMPORARY SHORING AND BRACING.
4. COORDINATE EXTENTS OF DEMOLITION WITH ARCHITECTURAL AND MEP DRAWINGS.
5. (E) BASEMENT SLAB EL. = -10'-0" U.D.
6. (E) FIRST FLOOR SLAB EL. = -4'-0" U.D.
7. (E) ROOF FRAMING EL. = +11'-4" U.D.
8. PROVIDE #4 @ 36" O.C. VERTICAL REINFORCEMENT IN CMU WALLS, U.N.D.
9. HSS2.5 = HSS2.10x2.10x1/4
10. "W-BEAM UNTEL." INDICATES W-BEAM UNTEL. BELOW. SEE TYPICAL W-BEAM UNTEL DETAIL AND REFER TO BEARING PLATE ON CMU SCHEDULE.
11. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL WALLS AND WALL OPENING LOCATIONS & SIZES.
12. SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAIN LOCATIONS.
13. SEE ARCHITECTURAL DRAWINGS FOR TYPICAL ELEVATIONS.
14. STRUCTURAL DRAWINGS DO NOT SHOW ALL MECHANICAL OPENINGS. COORDINATE WITH ARCHITECTURAL AND MEP DRAWINGS FOR SIZE, QUANTITY, AND LOCATION.

COMBINED PLAN LEGEND

1. ZZZZZZZZ INDICATES EXISTING FLOOR SLAB OR ROOF DECK TO BE DEMOLISHED.
2. (E) INDICATES CMU BEARING / SHEAR WALL. SEE PLAN & TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
3. (S001) INDICATES 8" NORMAL-HEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH 4 LAYER OF W 10 @ 18" W/2 BARS PLACES 7" FROM TOP OF SLAB. SEE GENERAL NOTES FOR VAPOR BARRIER AND SUBGRADE REQUIREMENTS. SEE TYPICAL DETAILS ON S2.0.
4. (E) INDICATES APPROXIMATE LOCATION OF JACK PILE FOR TEMPORARY WALL SUPPORT DURING EXCAVATION AND INSTALLATION OF ELEVATOR PIT. PILES TO BE DESIGNED BY CONTRACTOR'S SPECIALTY ENGINEER AND CAPABLE OF SUPPORTING 77 KIPS.
5. (R01) INDICATES SPIN DIRECTION OF 1" 12" DIA. GALVANIZED WIDE RIB TYPE B STEEL ROOF DECK. DECK FASTENERS: SUPPORT - 3/4" PATTERN W/ 50 PIGTAIL WELDS. SIDE LAP - (3) #10 TEK SCREWS.
6. (CS1) INDICATES SPIN DIRECTION OF 2" LIGHTWEIGHT CONCRETE OVER 1 1/2" 20 GA. COMPOSITE STEEL DECK (4 1/2" TOTAL) REINFORCED WITH #6 W2 HWY 1 W/R. HEADED SHEAR STUDS ON STEEL BEAMS TO BE 3/4" DIA x 3 1/4" LONG. SEE PLAN FOR STUD QUANTITIES (STUD MAX SPACING TO BE 12" O.C. U.N.D.).



SCOPE OF DOCUMENT

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GENERAL NOTES

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HVAC GENERAL NOTES

- APPLICABLE CODES:**
 - ALL WORK ON THESE PLANS SHALL COMPLY WITH CURRENT CODES LISTED BELOW, ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES WITH ANY AMENDMENTS, SMACNA, ASHRAE, OSHA, AWSE, ASTM AND AWS
 - 2024 INTERNATIONAL MECHANICAL CODE WITH NORTHBROOK AMENDMENTS
 - SEE ARCHITECTURAL PLANS FOR FULL LISTING OF CODES
 - ARCHITECTURAL PLANS SHALL PROVIDE OCCUPANCY CLASSIFICATION(S)
 - ARCHITECTURAL PLANS SHALL PROVIDE RATED ASSEMBLY LOCATIONS AND OTHER REQUIRED STANDARDS
- DUCTWORK:**
 - ALL DUCTWORK DIMENSIONS INDICATED ARE FOR INSIDE FREE AREA DIMENSION.
 - ALL DUCTWORK SHALL BE MADE OF SHEET METAL FABRICATED, INSTALLED AND TESTED IN ACCORDANCE WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
 - ALL LOW PRESSURE SUPPLY, RETURN AND EXHAUST DUCTS SHALL BE A MINIMUM OF 2" PRESSURE CLASS
 - ALL DUCTS SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 10'-0" ON CENTER OR PER SMACNA IF LESS.
 - ALL BRANCHES TO HAVE MANUALLY ADJUSTABLE VOLUME DAMPERS
 - ALL DUCTWORK JOINTS, SEAMS AND CONNECTIONS SHALL BE SEALED BY WELDS, GASKETS, MASTIC, MASTIC PLUS EMBEDDED FABRIC SYSTEMS OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED UL 181A AND SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS. DUCT CONNECTIONS TO AIR DISTRIBUTION SYSTEMS SHALL BE MECHANICALLY FASTENED AND SEALED.
 - ALL DUCTWORK AND ASSOCIATED MATERIALS WHEN INSTALLED OUTSIDE SHALL BE PROTECTED FROM THE ELEMENTS.
 - ALL DUCTWORK WHEN INSTALLED OUTSIDE SHALL HAVE WEATHERPROOFING COMPLETELY COVERING IT.
 - ALL LOW MEDIUM PRESSURE SUPPLY DUCTWORK TO MATCH BASE BUILDING STANDARD/EXISTING AND BE A MINIMUM OF 4.0" PRESSURE CLASS.
 - ALL ROUND MEDIUM PRESSURE BRANCH TAKE-OFFS SHALL BE 45° SADDLE TYPE OR MATCH BUILDING STANDARDS.
- DUCTWORK INSULATION:**
 - ALL COVERINGS, LINING AND ADHESIVES SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 50, WHEN INSTALLED IN ACCORDANCE WITH ASTM E84 OR UL 723.
 - ANY DUCTS THAT HAVE A TEMPERATURE DIFFERENCE GREATER THAN 15°F BETWEEN THE INSIDE AND THE OUTSIDE OF THE DUCT SHALL BE INSULATED FOR CONDENSATION PREVENTION.
 - ALL SUPPLY AND RETURN AIR DUCTS & PLENUMS LOCATED IN UNCONDITIONED SPACES, ATTICS (VENTED & UNVENTED), CRAWL SPACES, UNDERGROUND AND INDIRECTLY CONDITIONED SPACES SHALL BE INSULATED WITH A MINIMUM OF R-6.
 - ALL SUPPLY AND RETURN AIR DUCTS & PLENUMS LOCATED OUTSIDE OF THE BUILDING SHALL BE INSULATED WITH A MINIMUM OF R-12.
 - LOW PRESSURE RECTANGULAR DUCTWORK UP TO 2.0" PRESSURE CLASS - PROVIDE 1" THICK (MINIMUM R4.0) NATURAL FIBER DUCT LINER OR EQUIVALENT MANUFACTURE/MODEL FOR CONDENSATION PREVENTION.
 - LOW PRESSURE ROUND DUCTWORK UP TO 2.0" PRESSURE CLASS - PROVIDE A MINIMUM OF R4.0 EXTERNAL INSULATION FOR CONDENSATION PREVENTION.
 - LOW PRESSURE ROUND FLEXIBLE DUCTWORK UP TO 2.0" PRESSURE CLASS - PROVIDE A MINIMUM OF R4.0 INSULATION FOR CONDENSATION PREVENTION.
 - MEDIUM PRESSURE DUCTWORK (2.0" PRESSURE CLASS) - PROVIDE A MINIMUM OF R4.0 EXTERNAL INSULATION FOR CONDENSATION PREVENTION.
- HVAC EQUIPMENT:**
 - ALL EQUIPMENT SHALL BE LISTED AND LABELED AND IDENTIFIED BY OTHERS, COORDINATE WITH ROOFING REQUIREMENTS.
 - FURNISH AND INSTALL CURBS FOR INSTALLED EQUIPMENT.
 - PROVIDE ROOF PORTALS FOR INSTALLED EQUIPMENT.
 - ALL THERMOSTATS AND SPACE TEMPERATURE SENSORS SHALL BE INSTALLED ACCORDING TO THE FLOOR PLANS AND MOUNTED 5'-0" A.F.F.
 - ALL DX ECONOMIZERS WHERE PROVIDED SHALL BE NOTED ON PLANS. FAULT DETECTION AND DIAGNOSIS SHALL BE PROVIDED FOR THERMOSTAT WITH A 5°F DEADBAND, SETPOINT OVERLAP RESTRICTIONS, SETBACK TO 55°F HEATING.
 - ALL EQUIPMENT, ECONOMIZERS AND HVAC CONTROLS SHALL BE TESTED TO ENSURE PROPER OPERATION.
 - ALL UNITS PROVIDING CODE REQUIRED VENTILATION SHALL HAVE AUTOMATIC CONTROLS SO THAT THE SUPPLY FAN OPERATES CONTINUOUSLY DURING OCCUPIED HOURS PER IMC 405.1.
 - DUCT SMOKE DETECTORS (FURNISHED AND INSTALLED BY OTHERS) SHALL BE LISTED AND LABELED AND INSTALLED ACCORDING TO NFPA 72 IN THE RETURN AIR DUCT OF EQUIPMENT SUPPLYING 2,000 CFM OR MORE.
 - ALL DUCT SMOKE DETECTORS SHALL HAVE REMOTE KEY TEST STATION (FURNISHED BY OTHERS) DIRECTLY BELOW AND NOT HIGHER THAN 5'-0" A.F.F. ELECTRICIAN / LIFE SAFETY CONTRACTOR TO FURNISH, INSTALL AND WIRE TO FAN CIRCUITS.
 - INSTALLATION OF EQUIPMENT SHALL BE ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. IF REQUIRED, CONTRACTOR SHALL SUBMIT MANUFACTURER'S INSTALLATION INSTRUCTIONS UPON EQUIPMENT SELECTION TO THE LOCAL AUTHORITY.
 - ALL EQUIPMENT ON THE ROOF SHALL BE LOCATED A MINIMUM OF 10 FT FROM ROOF EDGE.
 - ALL MOTORIZED DAMPERS FOR OUTSIDE AIR DUCTS SHALL BE LOW LEAK TYPE AND SHALL CLOSE WHEN UNIT IS NOT IN OPERATION (NORMALLY CLOSED).
 - ALL OUTSIDE AIR INTAKES SHALL BE LOCATED 10 FT FROM ANY CONTAMINANT SOURCE.
 - INSTALL ALL KITCHEN VENDOR SUPPLIED EQUIPMENT ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE KITCHEN EQUIPMENT DRAWINGS FOR MORE INFORMATION.
 - ALL FAN POWERED BOX DISCONNECTS SHALL BE FURNISHED AND INSTALLED BY THE MANUFACTURER.
- DESIGN CRITERIA, INSPECTIONS & TESTING:**
 - ALL REQUIRED INSPECTIONS, TESTING AND APPROVALS SHALL BE DONE IN ACCORDANCE WITH SECTION 107 OF THE INTERNATIONAL CODE.
 - INSTALLATION, OPERATION & MAINTENANCE MANUALS (IF AVAILABLE FROM MANUFACTURER) SHALL BE PROVIDED WITHIN 90 DAYS OF SYSTEM ACCEPTANCE (OR AS REQUIRED FOR INSPECTIONS).
 - HEATING AND COOLING LOAD CALCULATIONS WERE GENERATED USING CARRIER E20 SOFTWARE. HEATING AND COOLING LOAD CALCULATIONS ARE IN COMPLIANCE WITH ASHRAE/ACCA STANDARD 183, SECTION 312 OF THE INTERNATIONAL MECHANICAL CODE AND CHAPTER 3 OF THE INTERNATIONAL ENERGY CONSERVATION CODE. A COOLING SETPOINT OF 76°F AND A HEATING SETPOINT OF 70°F WERE USED (CHDF MINIMUM TEMPERATURE IS 75°F, MAXIMUM HEATING TEMPERATURE IS 72°F). ALL ENVELOPE AND MISCELLANEOUS DATA WAS TAKEN FROM THE ARCHITECTURAL PLANS AS REQUIRED.
- TEMPERATURE CONTROLS:**
 - TEMPERATURE CONTROL WORK SHALL BE BY HVAC CONTRACTOR OR ITS SUBCONTRACTOR.
 - ALL REQUIRED CONDUIT AND JUNCTION BOXES FOR TEMPERATURE CONTROLS TO BE FURNISHED AND INSTALLED BY HVAC CONTRACTOR OR ITS SUBCONTRACTOR.
 - COORDINATE WITH BASE BUILDING ON ALL EXISTING REQUIREMENTS/BUILDING STANDARDS.
 - PROVIDE CONTROLS ON ALL NEW FAN POWERED BOXES TO MATCH BASE BUILDING STANDARDS.
 - FIELD VERIFY EXACT LOCATION OF EXISTING BASE BUILDING CONTROLS PRIOR TO BIDDING.
- TESTING, ADJUSTING AND BALANCING:**
 - TO BE PERFORMED BY HVAC CONTRACTOR OR ITS SUBCONTRACTOR AND SHALL BE CERTIFIED INDEPENDENT TEST AND BALANCE CONTRACTOR (WITH TABB, AABC, NEBB, NCI OR NBC).
 - SHALL ADHERE TO SMACNA, ASHRAE AND CERTIFYING AGENCY MINIMUM STANDARDS.
 - ALL MEASUREMENTS SHALL BE WITHIN 10% OF INDICATED QUANTITIES OR CERTIFICATION STANDARDS, IF MORE RESTRICTIVE.
 - REPORTS SHALL BE PROVIDED TO THE LOCAL AUTHORITY.
 - ALL RETURN AIR DIFFUSERS IN OFFICES SHALL BE APPROXIMATELY EQUAL TO THE ROOM SUPPLY AIR. THE FLOOR TOTAL SHALL BE ACCORDING TO THE VENTILATION SCHEDULE FOR THE 2ND FLOOR ON SHEET M300.
 - ANY BASE BUILDING SYSTEMS OUTSIDE THE SCOPE OF CONSTRUCTION FOR THE 2ND FLOOR TENANT THAT ARE REQUIRED AS PART OF A BASELINE, REFERENCE OR SYSTEM TOTAL SHALL BE MEASURED AND USED ACCORDINGLY FOR A FULLY FUNCTIONAL AND CODE COMPLIANT SYSTEM. CONTRACTOR TO DESCRIBE ANY INSTANCE IN THE BID.
 - ALL WORK OUTSIDE OF THE 2ND FLOOR SHALL REMAIN UNCHANGED. ANY WORK REQUIRED TO VERIFY THIS FOR BEFORE AND AFTER THE TENANT WORK SHALL BE INCLUDED IN THE BID.

FAN SCHEDULE

TAG	MANUFACTURE	MODEL	TYPE	MOTOR DATA				UNIT ELECTRICAL DATA				OPERATED BY / CONTROLS	UNIT WEIGHT (LBS.)	REMARKS
				CFM	MOTOR HP	FAN RPM	MOTOR FLA	E.S.P (IN. H2O)	VOLT / PH	MCA	MCCP			
TF-1	COOK	GNE42	INLINE	500	180W	-	-	0.25"	115/14	-	-	MANUFACTURE'S WALL STAT	62	1, 2, 3

REMARKS:

- UNIT TO OPERATE BY LINE VOLTAGE THERMOSTAT. LINE VOLTAGE THERMOSTAT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- WITH INLET GUARD, HANGING KIT, DISCONNECT SWITCH.
- OR EQUAL MANUFACTURE.

I.M.C. VENTILATION SCHEDULE

ROOM NO	ROOM NAME	OCCUPANCY CLASSIFICATION	AREA (SQ. FT.)	CODE REQUIRED		ACTUAL PROVIDED		REMARKS
				OUTSIDE AIR (CFM)	EXHAUST AIR (CFM)	OUTSIDE AIR (CFM)	EXHAUST AIR (CFM)	
-	ELEV LOBBY	CORRIDOR	50	3	-	10	-	1
-	ELEV MACHINE RM	UTILITY	84	NR	NR	NR	500	2

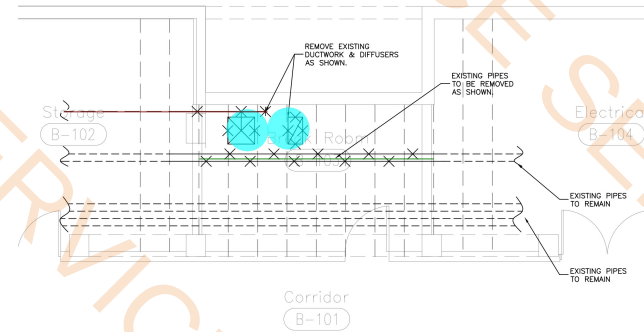
REMARKS:

- EXISTING HVAC UNIT, 20% OUTSIDE AIR.
- TRANSFER FAN, TF-1, TO OPERATE BY REVERSE ACTING WALL THERMOSTAT.
- ALL OTHER ROOMS ARE TO REMAIN. NO HVAC CHANGES. NIC.

TEMPERATURE CONTROL NOTES

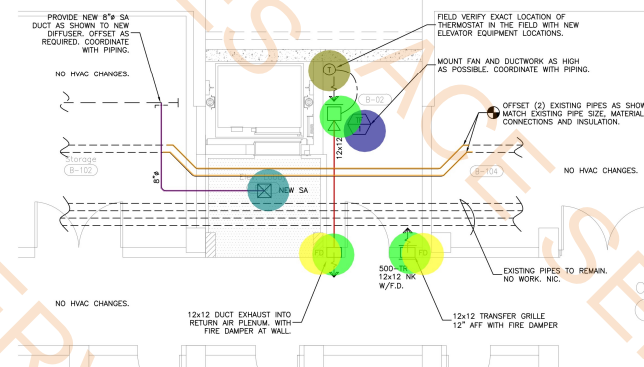
NEW TRANSFER FAN TF-1:

- TF-2 SHALL OPERATE BY A REVERSE ACTING WALL THERMOSTAT SET FOR 80°F. FAN TO INCLUDE WALL SENSOR.
- THE TEMPERATURE CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL.
- PROVIDE ALL REQUIRED LABOR AND MATERIAL ON THE BASE BID INCLUDING ALL REQUIRED ITEMS NOT INCLUDED WITH MANUFACTURE'S STAND ALONE CONTROLS INCLUDED WITH EQUIPMENT.



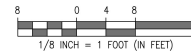
1 DEMOLITION FLOOR PLAN

SCALE 1/8"=1'-0"



2 PROPOSED FLOOR PLAN

SCALE 1/8"=1'-0"



SCOPE OF DOCUMENT

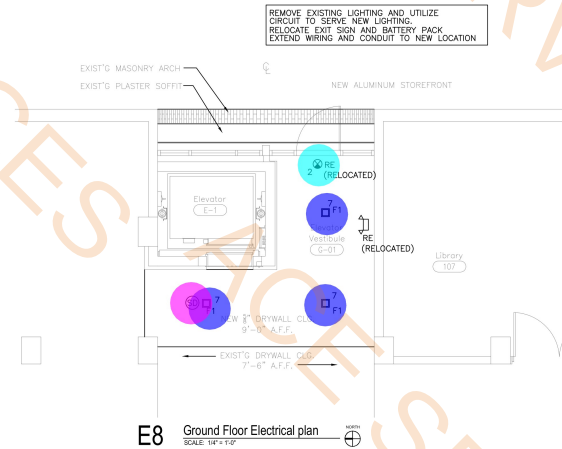
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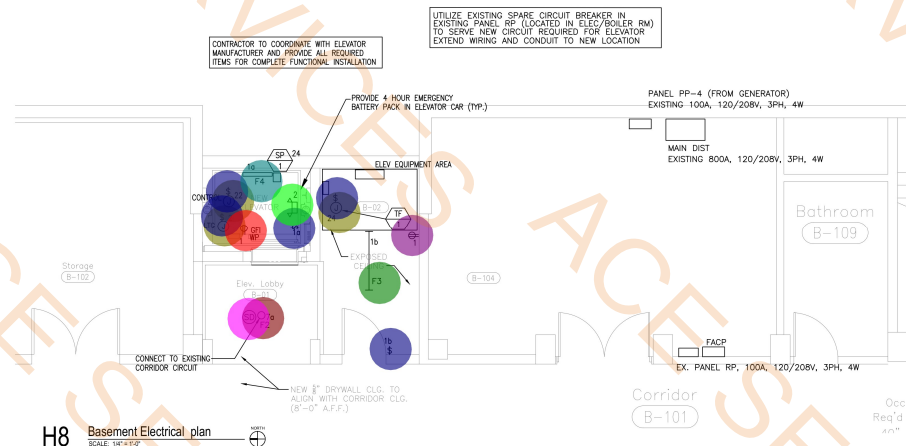
01	ISSUED FOR PERMIT	03.16.26
NUMBER	ISSUED FOR	DATE
Architect: Built Form, LLC 935 W. Chestnut, Suite #520, Chicago, IL 60642		
Structural Engineer: The Structural Group 707 Lake Cook Rd., Suite #300, Deerfield, IL 60015		
MEP/LS Engineer: Advance Consulting Group International 300 W. Adams, Suite #420, Chicago, IL 60606		
PROJECT New Elevator & Entrance 1810 Pfingsten Rd., Northbrook, IL 60062		
CLIENT Islamic Cultural Center of Greater Chicago 1810 Pfingsten Rd., Northbrook, IL 60062		
SHEET TITLE		
PROJECT NO. 25-481	M-1.0	
DATE 08.20.2025		

CONTACT:
KIM SARTI
C: 219-775-1376
E: K.SARTI@THELIGHTINGDIGEST.COM

Tags	Image	Type	Manufacturer	Catalog#	Lamp Type	Mounting	Watts	Notes
F1		4" RECESSED DOWNLIGHT- CP RATED/SQUARE	HALO COMMERCIAL	CSQ4CP-20-D010/ HM4-05250840/41SQ-MV	LED	RECESSED	20.9W	CHICAGO PLENUM RATED
F2		4" RECESSED DOWNLIGHT- CP RATED/ROUND	HALO COMMERCIAL	HC4CP-20-D010/ HM4-0525-840/ 41-MD-W	LED	RECESSED	20.9W	CHICAGO PLENUM RATED
F3		4FT STRIP	METALUX	4SLSTP4000D-UNV	LED	SURFACE	38.9W	OPTIONAL OCC SENSOR AND EM
F4		ELEVATOR PIT LIGHT	METALUX	4APVTL0-SL3C3- mid power 4000K	LED	WALL/SURFACE	32W	OPTIONAL OCC SENSOR AND EM



- F1 Light 3.0 EA
- Smoke Detector 2.0 EA
- Relocate Exit Light 1.0 EA
- F2 Light Fixture 1.0 EA
- F3 Light Fixture 1.0 EA
- Junction Box 3.0 EA
- Single Pole Switch 5.0 EA
- Duplex Receptacle 1.0 EA
- F4 Light Fixture 1.0 EA
- GFI Wp Receptacle 1.0 EA
- 4 Hour Emergency Battery Pack 1.0 EA



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E-1.1

SP1
4" Funnel
Ball Valve
Sump Pump Discharge Pipe

1.0 EA
1.0 EA
1.0 EA
18.9 FT

PLUMBING BUILDING STANDARD REQUIREMENTS

1. PROVIDE ALL PLUMBING WORK SHOWN ON THE DRAWINGS.
2. CONTRACTOR SHALL NOT INTERRUPT ANY DEVICES IN THE BUILDING WITHOUT THE EXPRESS CONSENT OF THE SCHOOL.
3. ANY SMOKE, NOISE, OR ODOR PRODUCING ACTIVITIES SHOULD ONLY TAKE PLACE AFTER HOURS, AND WITH THE EXPRESS CONSENT OF THE OWNER.
4. ALL UNUSED PLUMBING FLOOR CORES MUST BE FILLED IN AND PATCHED.
5. CONTRACTOR SHALL NOT ABANDON PLUMBING PIPING IN THE CEILING. PIPING SHALL BE REMOVED BACK TO NEAREST ACTIVE MAINS, RISERS OR STACKS AND MAKE READY FOR FUTURE RECONNECTION.
6. AT NO TIME WILL ANY SPRINKLER PIPES, PLUMBING PIPES, ETC. PENETRATE A TWO HOUR FIRE RATED WALL OF FLOOR WITHOUT BEING PROPERLY SLEEVED AND FIRE STOPPED.
7. DISSIMILAR PIPING CONNECTION SHALL HAVE A DIELECTRIC ISOLATOR.
8. ALL PIPING MUST BE RUN IN A PROFESSIONAL MANNER WITH A 12" CLEARANCE ABOVE THE CEILING LINES, AS STRUCTURE AND FRAMING PERMIT.
9. NO HANGERS, CLIPS SUPPORTS OR BRACES SHALL BE SECURED TO DUCTWORK.
10. DURING CONSTRUCTION, ALL ABANDONED ITEMS MUST BE REMOVED BACK TO THEIR SOURCE.

PLUMBING MATERIALS

- 1) SANITARY:
PIPE MATERIAL: CAST IRON SERVICE WEIGHT HUB AND SPOOT PIPE.
TOILET WASTE CONNECTION TO BE A MINIMUM 4" DIAMETER.
FITTING MATERIAL: CAST IRON DRAINAGE FITTINGS.
PIPE JOINT: BALL & SPOUT OR SWEDE.
COPPER OR COPPER ALLOY TUBING (TYPE L) CONFORMING TO ASTM 75; ASTM B 88; ASTM B 251; ASTM B 306.

PLUMBING SYMBOL LIST

— SAN —	SANITARY PIPING (BURIED)
— SAN —	SANITARY PIPING
— V —	VENT PIPING
— TR —	TRAP
— EL —	ELBOW TURNED UP
— ED —	ELBOW TURNED DOWN
— T —	TEE - TOP OUTLET
— B —	TEE - BOTTOM OUTLET
— BV —	BALL VALVE
— FD —	FLOOR DRAIN, DESIGNATION NUMBER
— CL —	CLEANOUT - PLUG TYPE
— F —	FIXTURE DESIGNATION & NUMBER
— AFF —	ABOVE FINISHED FLOOR
— FFA —	FROM FLOOR ABOVE
— FFB —	FROM FLOOR BELOW
— TFA —	TO FLOOR ABOVE
— TFB —	TO FLOOR BELOW
— DN —	DOWN
— WCO —	INTERIOR WALL CLEANOUT
— CO —	PIPE CLEANOUT

ELEVATOR PIT SUMP PUMP

TAG NO.	SP-1
TYPE	SUMP PUMP
LOCATION	ELEVATOR PIT
SERVICE	EFFLUENT
SYSTEM TOTAL	50 GPM @ 20 FT. TDH
CAPACITY (GPM)	50 GPM
HEAD	20 FT. TDH
CONNECTION	2"
CONTROLS	MANUFACTURER
MOTOR HP	1/2 HP
RPM	3450
VOLTS/PH/Hz	120/1/60
ELEVATOR PUMP PIT	24"x24"x24" ELEVATOR CONCRETE PIT

SIMPLEX ELEVATOR PIT PUMP (SP-1)

PROVIDE AND INSTALL WEL PUMP CO. SIMPLEX PUMP SYSTEM, INCLUDING (1) WELL PUMP MODEL 2443-0SS HEAVY DUTY 2" DISCHARGE SUBMERSIBLE SUMP PUMP. PUMP SHALL BE CONSTRUCTED WITH CARBON-CERAMIC MECHANICAL SEAL, CAST IRON IMPELLER AND 20 FT. POWER CABLE. PUMP SHALL BE RATED 50 GPM AT 20 FT. TDH WITH AIR FILLED, 1/2 HP, 3450 RPM, 60 HZ, SINGLE PHASE, 120 VOLT NON-OVERLOADING MOTOR. PUMP, CONTROLS AND ACCESSORIES SHALL BE SUPPLIED BY ONE SOURCE TO MAINTAIN CONSISTENCY AND UNIFORMITY OF THE SYSTEM. FROM THE MANUFACTURER, EACH PUMPING SYSTEM MUST HAVE ITS OWN SERIAL NUMBER INDICATED ON THE PUMPS AND CONTROL PANEL AND BE INVENTORED FOR A MINIMUM OF 20 YEARS FOR FUTURE SERVICE INQUIRES. THE ENTIRE SYSTEM WILL BE ARA (AMERICAN RECOVERY AND REINVESTMENT ACT) CERTIFIED.

PUMP CONTROLS SHALL BE WELL PUMP SERIES LC SMART SIMPLEX CONTROL PANEL WITH MOTOR START RELAY AND MOUNTING HARDWARE. HIGH LIQUID AUDIO/VISUAL ALARM WITH AUXILIARY DRY CONTACTS FEATURE SHALL BE PROVIDED WITH THE CONTROLLER AND SHALL BE BUILT WITH COLOR SPECIFIC INDICATOR LIGHTS WHEN IN THE PRESENCE OF OIL OR WATER. ALARM TEST AND SILENCE SWITCH SHALL AUTOMATICALLY RESET. HAND-OFF AUTO (HQA) SWITCH FOR MANUAL PUMP CONTROL. SYSTEM TO BE PROVIDED WITH 20' OF OIL SMART SENSOR CORD AND LIQUID SMART SENSOR WITH 20' OF CORD FOR HIGH LIQUID ALERT TO ALSO INDICATE PRESENCE OF OIL OR WATER. PANEL SHALL BE PROVIDED WITH MOTOR PROTECTION, CIRCUIT BREAKER, NO-LOAD OR OVERLOAD LOCKOUT, PUMP FAULT LIGHT AND RESET.

Basin shall be 24"x 24" x 24" DEEP CONCRETE BY OTHERS WITH STEEL COVER INCLUDING A STEEL PERFORATED TOP TO ALLOW POSITIVE DRAINAGE. PUMP ACCESS PLATE WITH DISCHARGE FLANGE AND CABLE SLOT, VENT FLANGE AND LEVEL CONTROL OPENING. CONTRACTOR SHALL FURNISH FULL SIZE CHECK AND GATE VALVE ON DISCHARGE LINE. ACCEPTABLE MANUFACTURER SHALL BE WELL PUMP OR EQUAL.

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE CITY OF CHICAGO AND THE ILLINOIS PLUMBING CODE, LATEST EDITIONS.
2. THIS CONTRACTOR PERFORMING WORK ON THE PROJECT MUST BE LICENSED TO PERFORM THE WORK. TRADESMEN SKILLED IN THE WORK TASK MUST PERFORM THE WORK.
3. THIS CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK TO BE DONE UNDER DIVISIONS OF THE SPECIFICATION AND THEIR RELATED DRAWINGS AND SHALL SO COORDINATE AND SCHEDULE HIS WORK AS NOT TO CAUSE DELAYS OR INTERFERENCE WITH THE WORK OF OTHERS. SUCH COORDINATION AND SCHEDULING SHALL ACCOMPLISH THE INSTALLATION OF EQUIPMENT AND PIPING WITH A MINIMUM OF CUTTING THROUGH MASONRY AND OTHER ADJUSTMENTS.
4. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZE AND LOCATION OF ANCHORS, CHASES, RECESSES, OPENINGS, ETC., REQUIRED FOR THE PROPER INSTALLATION OF HIS WORK. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS, COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SLEEVES IN STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF MECHANICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK.
5. INSTALL EQUIPMENT AND MATERIALS TO PROVIDE REQUIRED ACCESS FOR SERVICING AND MAINTENANCE. COORDINATE THE FINAL LOCATION OF CONCEALED EQUIPMENT AND DEVICES REQUIRING ACCESS WITH FINAL LOCATION OF REQUIRED ACCESS PANELS AND DOORS. ALLOW AMPLE SPACE FOR REMOVAL OF ALL PARTS THAT REQUIRE REPLACEMENT OR EXTEND ALL GREASE FITTINGS TO AN ACCESSIBLE LOCATION. INSTALL SERVICING EQUIPMENT TO FACILITATE MAINTENANCE AND REPAIR OR REPLACEMENT OF EQUIPMENT COMPONENTS. CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH A MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS. PROVIDE THE MINIMUM MANUFACTURER'S RECOMMENDED AND CODE REQUIRED CLEARANCE.
6. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED.
7. BEFORE SUBMITTING A BID, THIS CONTRACTOR IS REQUESTED TO VISIT THE JOB SITE TO FAMILIARIZE HIMSELF WITH CONSTRUCTION CONDITIONS. NO CONSIDERATION OR REMUNERATION WILL BE GIVEN FOR HIS FAILURE TO DO SO.
8. WHERE A DISCREPANCY EXISTS WITHIN THE SPECIFICATIONS, AMONG THE DRAWINGS, OR BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, CONSULT WITH ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.
9. THE DESIGN DRAWINGS, AS SUBMITTED, ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EXACT LOCATION OF EQUIPMENT, PIPING AND DUCTWORK UNLESS DIMENSIONS ARE GIVEN. DRAWINGS ARE NOT TO BE SCALED.
10. EQUIPMENT SHALL BE INSTALLED ALONG THE GENERAL ARRANGEMENT INDICATED ON THE DRAWINGS, AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
11. IF THIS CONTRACTOR PROPOSES TO INSTALL EQUIPMENT REQUIRING SPACE CONDITIONS OTHER THAN THOSE AS SPECIFIED AND/OR SHOWN ON THE DESIGN DRAWINGS, OR TO REARRANGE THE EQUIPMENT, HE SHALL ASSUME FULL RESPONSIBILITY FOR THE REARRANGING OF THE SPACE AND SHALL OBTAIN THE FULL APPROVAL OF THE DESIGN PROFESSIONAL BEFORE PROCEEDING WITH THE WORK.
12. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL PIPE SLEEVES (1-1/2 TIMES THE SIZE OF PIPE) AND SHALL BE OF SIMILAR MATERIAL TO PREVENT REACTION BETWEEN PIPE AND SLEEVE.
13. THIS CONTRACTOR SHALL PROVIDE AND INSTALL FIRE STOPPING IMMEDIATELY, AS TO COMPLETELY SEAL ALL NEW PENETRATIONS OF FIRE RATED ASSEMBLIES, WALLS AND CEILINGS CAUSED BY THIS TRADE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO AN UNDERWRITER'S LABORATORIES APPROVED THROUGH PENETRATION FIRE STOPPING PROTECTION SYSTEM, HAVE BEEN TESTED IN ACCORDANCE WITH ASTM #E-814 AND UL #1479, AND SHALL HAVE AN "F" RATING NOT LESS THAN THE REQUIRED RATING OF THE WALL PENETRATED. THE ANNULAR SPACE BETWEEN PIPE AND THE FIRE RATED ASSEMBLY SHALL BE FILLED WITH THE APPROVED MATERIAL, SO AS TO MAINTAIN THE INTEGRITY OF THE FIRE RATING OF THE ASSEMBLY PENETRATED. INSULATION SHALL NOT PASS THROUGH FIRE RATED ASSEMBLIES.
14. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ESCUTCHEON PLATES ON PIPES PASSING THROUGH WALLS. CONTRACTOR SHALL PROVIDE CHROME PLATED ESCUTCHEONS FOR ALL PIPES AT FIXTURE SUPPLIES, TRAPS AND OTHER APPURTENANCES PASSING THROUGH WALLS.
15. WHERE CONNECTIONS ARE MADE BETWEEN DISSIMILAR MATERIALS, DIELECTRIC UNIONS AND FLANGES SHALL BE USED TO PREVENT ELECTROLYTIC REACTION.
16. ALL PIPING SHALL BE SUSPENDED INDEPENDENTLY FROM BUILDING STRUCTURE. PIPING AND ACCESSORIES SHALL BE KEPT AS TIGHT TO BUILDING STRUCTURE AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCE BELOW AND TO MINIMIZE ANY PIPE SWING AND INSTABILITY.
17. PIPE HANGERS SHALL BE CONSTRUCTED AS TO ALLOW FOR PROPER PITCH AND EXPANSION OF PIPES. HANGERS FOR INSULATED PIPING SHALL BE SUFFICIENT SIZE TO PERMIT INSULATION TO EXTEND THROUGH SAME. INSULATION PROTECTION SADDLE SHALL BE FURNISHED AND INSTALLED AT EACH HANGER.
18. WHERE A PIPE OR EQUIPMENT HANGER OCCURS BETWEEN THE BUILDING STRUCTURAL MEMBERS, CONTRACTOR SHALL PROVIDE SPECIAL STEEL ANGLE, CHANNEL, OR UNISTRUT MEMBERS FOR SUPPORT OF SUCH HANGER, WELDED OR BOLTED TO STEEL FRAMING OR ANCHORED TO CONCRETE.
19. HANGERS OR SUPPORTS FOR COPPER PIPE SHALL BE COPPER PLATED AT POINTS OF CONTACT WITH COPPER, TO BE FREE FROM ELECTROLYSIS.
20. VERTICAL PIPES SHALL BE SUPPORTED AT LEAST ONCE. RISER CLAMPS AND BASE OF RISER SHALL BE SO CONSTRUCTED AS TO ALLOW FOR PROPER PITCH AND EXPANSION OF PIPES.
21. THIS CONTRACTOR SHALL PRESSURE TEST ALL NEW PLUMBING PIPING IN THE PRESENCE OF A MUNICIPAL PLUMBING INSPECTOR AS REQUIRED BY THE METHODS REQUIRED BY THE GOVERNING AUTHORITIES.
22. THIS CONTRACTOR SHALL PROVIDE CLEAN OUTS ON SANITARY PIPING AT EVERY CHANGE OF DIRECTION, A MAXIMUM OF 50'-0" ON CENTER IN STRAIGHT RUNS, AT THE END OF LINES, WITHIN 5'-0" OF EXTING THE BUILDING, AND WHERE REQUIRED BY CODE. CONTRACTOR SHALL ANGLE CLEAN OUTS SO THEY OCCUR NEXT TO WALLS AND NOT IN TRAFFIC AREAS.
23. THIS CONTRACTOR SHALL INCLUDE INCIDENTAL DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION.
24. ANY QUESTIONABLE INFORMATION IN THE DESIGN DOCUMENTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH FABRICATION OR ERECTION OF PARTS AFFECTED. IF, IN THE OPINION OF THE CONTRACTOR, ANY ADDITIONAL DETAIL DRAWINGS ARE NECESSARY, CONTRACTOR SHALL PREPARE THEM AT HIS OWN EXPENSE, TOGETHER WITH THE BILL OF MATERIALS.

SCOPE OF DOCUMENT

1. THIS DOCUMENT WITH THE ACCOMPANYING DRAWINGS AND SPECIFICATIONS, DESCRIBES THE GENERAL SCOPE OF THE PROJECT AND DESIGN CONCEPT IN TERMS OF THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL SYSTEMS. THESE DOCUMENTS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL OF THE WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT.
2. ON THE BASIS OF THE SCOPE INDICATED OR DESCRIBED, THE CONTRACTOR SHALL DETERMINE AND INCLUDE IN HIS PROPOSALS ALL ITEMS NECESSARY TO PROVIDE THE PROPER EXECUTION AND COMPLETION OF THE WORK.



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PROJECT
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SHEET TITLE

PROJECT NO.
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