

BEAVERTON SCHOOL DISTRICT
ADA LIFT
BARNES ELEMENTARY
13730 SW WALKER RD, BEAVERTON,OR 97005

OWNER
BEAVERTON SCHOOL DISTRICT
16550 SW MERLO ROAD
BEAVERTON, OREGON 97003
503.356.4500

CONTRACTOR

ARCHITECT
SOLARC ARCHITECTURE
240 N BROADWAY STREET, SUITE 308
PORTLAND, OREGON 97227
971.344.1919

STRUCTURAL
ELEVEN ENGINEERING & DESIGN
2432 NE 59th AVENUE
PORTLAND, OREGON 97213
971.344.1919

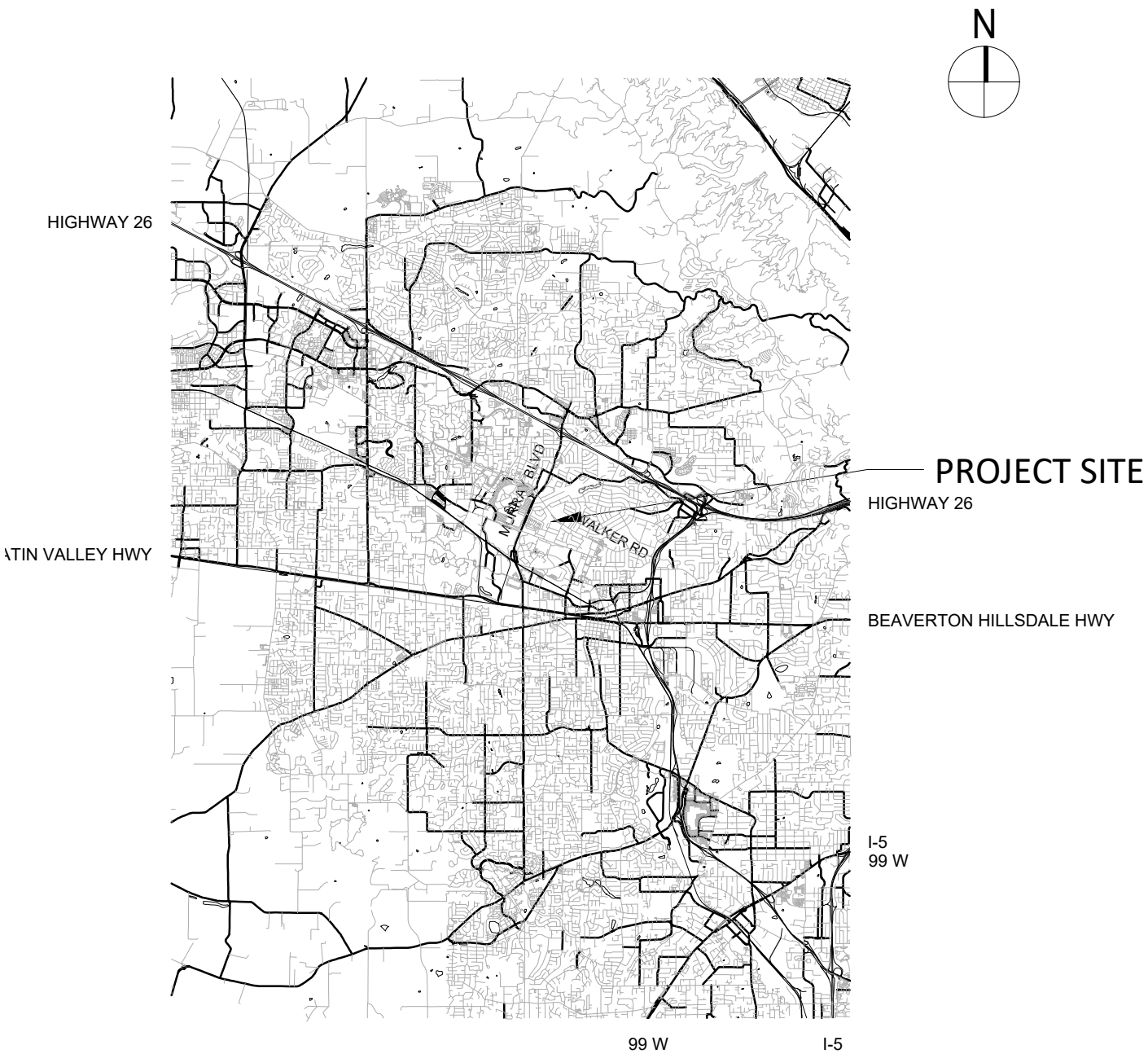
MECHANICAL

ELECTRICAL

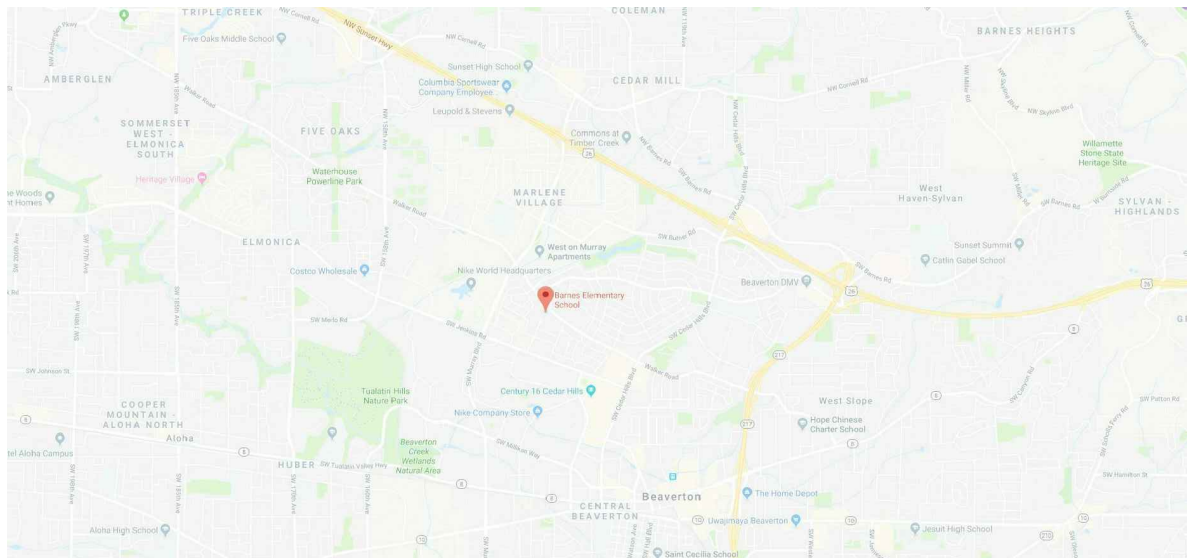
TECHNOLOGY

DEFERRED SUBMITTALS

PROPERTY LOCATION



VICINITY MAP



PROJECT DISCRIPTION

REPLACING AND UPDATING THE EXISTING POWERED INCLINE PLATFORM LIFT.
THESE DRAWINGS ARE TO ILLUSTRATE THE SCOPE OF WORK.

PROJECT INFORMATION

ADDRESS:	13730 SW WALKER ROAD BEAVERTON, OREGON 97005
MAP & TAX LOT ID:	1S104CD05700
JURISDICTION:	WASHINGTON COUNTY
APPLICABLE CODES:	2019 OREGON STRUCTURAL SPECIALTY CODE 2017 OREGON ELECTRICAL SPECIALTY CODE 2019 OREGON MECHANICAL CODE 2019 OREGON FIRE CODE 2019 OREGON ENERGY EFFICIENCY SPECIALTY CODE 2017 INTERNATIONAL CODE COUNCIL A117.1 AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES 2020 AMERICAN SOCIETY OF MECHANICAL ENGINEERS A18.1 SAFETY STANDARDS
AREAS:	69,074 SF (TOTAL) 53,710 SF (MAIN LEVEL) 15,364 SF (BASEMENT)
OCCUPANCY TYPE:	EDUCATION
TOTAL STORES:	2 STORY

DRAWING INDEX

DRAWING INDEX		ISSUE LOG			
		REVIEW SET 2020-09-04	BID/PERMIT SET 2020-11-30		
SHEET #	SHEET TITLE				
GENERAL					
G000	COVER	•	•		
ARCHITECTURAL					
A200	CODE SUMMARY & EXISTING FLOOR PLANS	•	•		
A210	ENLARGED NEW FLOOR PLANS & ELEVATIONS	•	•		
LEGEND: • = ISSUED AS PART OF SET * = ISSUED FOR INFORMATION ONLY					

GENERAL NOTES

- DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, DIMENSIONS, AND MAJOR ELEMENTS OF STRUCTURAL SYSTEMS. AS SUCH, THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ON THE BASIS OF GENERAL SCOPE INDICATED OR DESCRIBED, THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. HE/SHE SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT, AND SHALL NOTIFY THE ENGINEER THROUGH APPROVED CONTACT METHODS, OF ANY CONDITIONS REQUIRING MODIFICATION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ALL TRADES RELATED TO HIS OR HER WORK.
- NO WORK SHALL BE PERFORMED, OR PERMIT VALIDATED FOR ANY ITEM LISTED AS DEFERRED WITHOUT FIRST BEING REVIEWED AND APPROVED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND SUBSEQUENTLY APPROVED BY THE BUILDING OFFICIAL.
- ALL CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF THE OREGON STRUCTURAL SPECIALTY CODE, PLUMBING CODE, MECHANICAL CODE, ELECTRICAL CODE, FIRE CODE, ENERGY CODE AND ALL OTHER APPLICABLE CODES.
- ALL FIELD DIMENSIONS TAKE PRECEDENCE OVER DIMENSIONS ON DRAWINGS. USE DIMENSIONAL INFORMATION GIVEN. DO NOT SCALE DRAWINGS.
- ANY DAMAGE TO EXISTING MATERIALS AND/OR CONDITIONS THAT ARE TO REMAIN, OR BE REUSED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE SUCH EXISTING MATERIALS AT NO ADDITIONAL COST OR CONDITIONS TO THE OWNER.
- CONTRACTOR TO COORDINATE SCHEDULING OF ALL RELATED WORK OCCURRING IN ADJACENT SITES WITH OWNERS.
- FIRE SAFE/ SEAL ALL FLOOR/ WALL PENETRATIONS TO MEET APPLICABLE CODE REQUIREMENTS AS THEY RELATE TO FIRE RATED ASSEMBLIES.
- CONTRACTOR SHALL NOT PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE MUNICIPALITY WITHOUT A VALID CONSTRUCTION PERMIT AND / OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL COMPLY WITH ALL LOCAL BUILDING CODE REGULATIONS AND STATE DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF INDUSTRIAL SAFETY (O.S.H.A) REGULATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS AND DIMENSIONS OF THE PROJECT AND SHALL NOTIFY ARCHITECT/ ENGINEER ABOUT ANY CONDITION REQUIRING MODIFICATIONS OR CHANGE BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL REFER TO AND CROSS-CHECK DETAILS, DIMENSIONS, NOTES, AND ALL REQUIREMENTS SHOWN ON THE ARCHITECTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE CIVIL, LANDSCAPE, STRUCTURAL, PLUMBING, MECHANICAL AND/OR ELECTRICAL DRAWINGS.
- REFERENCE OF DRAWINGS IS FOR CONVENIENCE ONLY AND DOES NOT LIMIT APPLICATION OF ANY DRAWINGS OR DETAILS.
- THE STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE IN PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY BRACING AS REQUIRED OR PORTION THEREOF DURING CONSTRUCTION.
- PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, THE CONTRACTOR SHALL HAVE EVIDENCE OF CURRENT GENERAL LIABILITY, WORKERS COMPENSATION INSURANCE AND BONDING COVERAGE IN COMPLIANCE WITH STATE OF OREGON ORDINANCE.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, AND SLEEVES FRAMING FOR LIGHT FIXTURES, ELECTRICAL UNITS, A/C EQUIPMENT, COUNTERS, HANDRAILS, RAILINGS, AND ALL OTHER ITEMS REQUIRING SAME.
- THE CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY THE FIELD INSPECTOR DURING CONSTRUCTION. PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING NOT LESS THAN 10BC AS REQUIRED BY FIRE MARSHAL FIELD INSPECTOR.
- ALL GLAZING BELOW 7'-0" TO BE TEMPERED LAMINATED.

ABBREVIATIONS

AC	ASPHALT PAVING	FE	FIRE EXTINGUISHER	NTS	NOT TO SCALE	STRUC	STRUCTURAL
ACOUS	ACOUSTICAL	FIN	FINISH	(N)	NEW	SUSP	SUSPENDED
AD	AREA DRAIN	FLASH	FLASHING	NIC	NOT IN CONTRACT	SYM.	SYMMETRICAL
ALT	ALTERNATE	FLR	FLOOR	NO.	OR # NUMBER		
ALUM	ALUMINUM	FOC	FACE OF CONCRETE	OA	OVERALL	THK	THICK
ARCH	ARCHITECTURAL	FOF	FACE OF FINISH	OD	ON CENTER	THRU	THROUGH
		FOS	FACE OF STUDS OR STEEL	OC	OUTSIDE DIAMETER	TC	TOP OF CURB
		FT	FOOT, FEET	OF/CI	OWNER FURNISHED/	T/G	TEMPERED GLASS
		FURR	FURRING		CONTRACTOR INSTALLED	T/O	TOP OF
				OPHD	OPPOSITE HAND	TOC	TOP OF CURB
		GA	GAUGE	OPNG(S)	OPENING(S)	TOW	TOP OF WALL
		GALV	GALVANIZED			TYP	TYPICAL
		G.B.	GYPSON BOARD				
		GL	GLASS	P	PAINTED	UON	UNLESS OTHERWISE
				P-LAM	PLASTIC LAMINATE		NOTED
		HC	HOLLOW CORE	PLAS	PLASTIC		
		HDWR	HARDWARE	PR	PAIR	VER	VERIFY
				PT	PRESSURE TREATED	VERT	VERTICAL
		HGT	HEIGHT	PTD	PAPER TOWEL	VIF	VERIFY IN FIELD
		HM	HOLLOW METAL		DISPENSER		
		HORIZ	HORIZONTAL	PLYWD	PLYWOOD	WD	WOOD
				PNL	PANEL	W/	WITH
		ID	INSIDE DIAMETER			W/O	WITHOUT
		INSUL	INSULATION	R	RADIUS	WP	WATERPROOF
		INT	INTERIOR	(R)	RELOCATED		
				RD	ROOF DRAIN		
		JAN	JANITOR	REF	REFERENCE		
		JT	JOINT	REINF	REINFORCE(D)		
				REQ'D	REQUIRED		
		LAM	LAMINATES	RESIL	RESILIENT		
		LAV	LAVATORY	RO	ROUGH OPENING		
		LT	LIGHT	RM	ROOM		
		MANUF	MANUFACTURER	SC	SCHEDULE		
EA	EACH	MAX	MAXIMUM	SCHD	SCHEDULE		
ELEC	ELECTRICAL	MFR	MANUFACTURE	SECT	SECTION		
ELEV	ELEVATION	MIN	MINIMUM, MINUTE	SHT	SHEET		
EQ	EQUAL	MISC	MISCELLANEOUS	SHTG	SHEATHING		
EQUIP	EQUIPMENT	M.O.	MASONRY OPENING	SIM	SIMILAR		
ES	EACH SIDE	MTD	MOUNTED	SQ	SQUARE		
(E)	EXISTING	MTL	METAL	STD	STANDARD		
EXIST.U.	EXISTING	MUL	MULLION	STL	STEEL		
EXP	EXTERIOR			STOR	STORAGE		

REVISIONS:

PROJECT INFORMATION:

PROJECT #: 20-007
DATE: 04-SEP-2020
DRAWN BY: RMA
CHECK BY: NDC

SHEET TITLE:

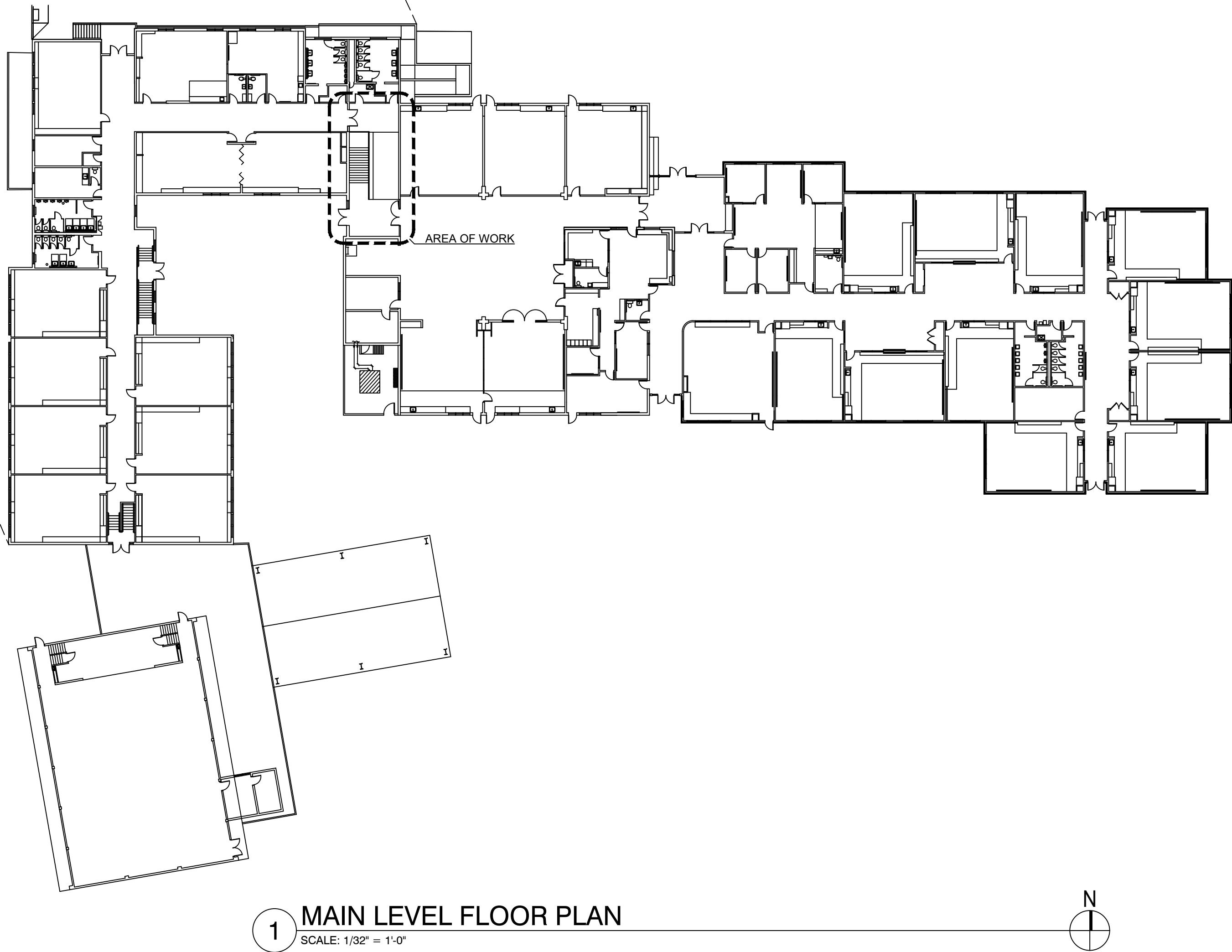
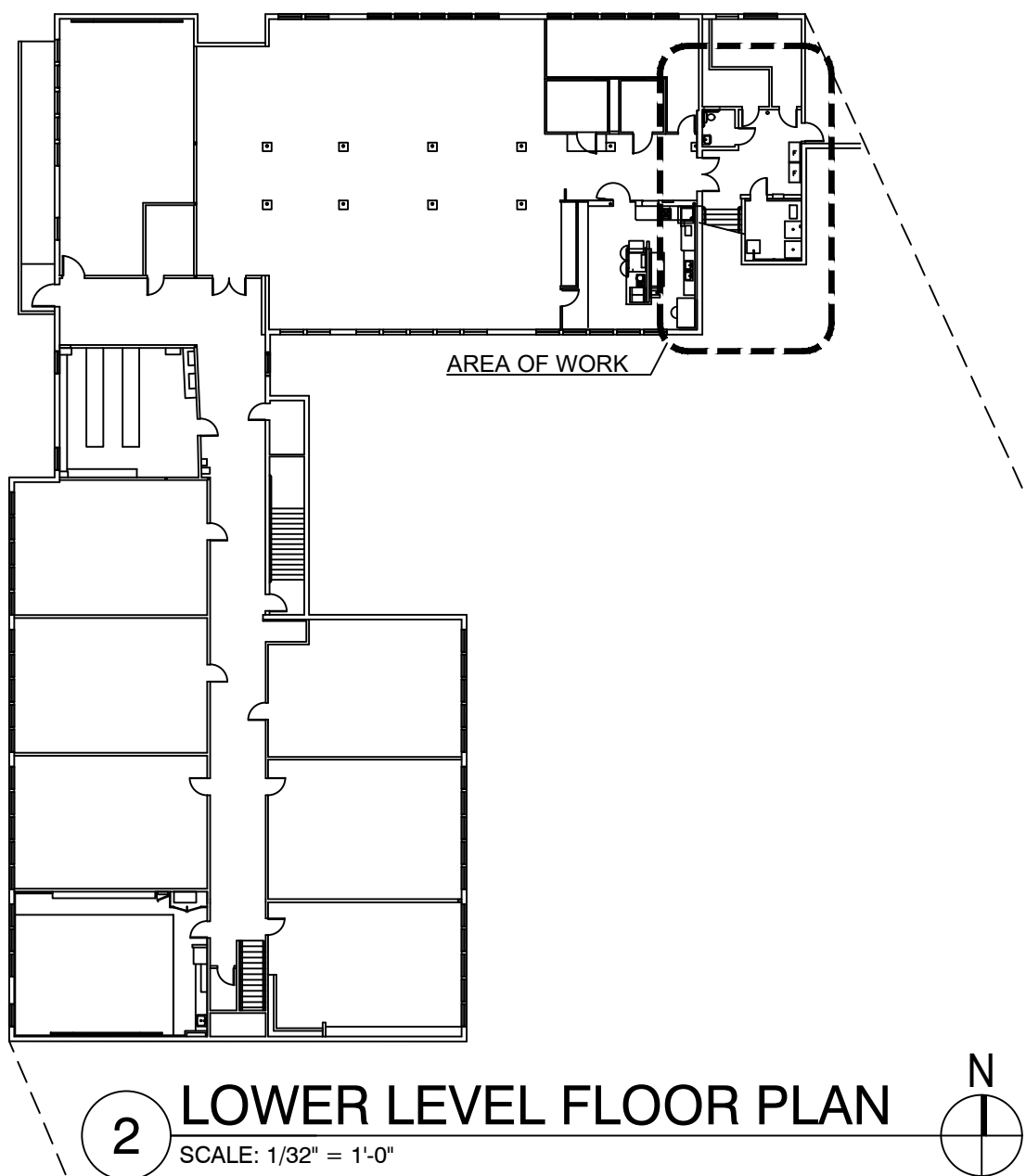
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FULL SIZE PRINT: 22 x 34

ISSUED FOR: BID/PERMIT SET



GENERAL SPECIFICATIONS

MECHANICAL ANCHORS

1. INSTALL ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS & RECOMMENDATIONS.
2. INSTALL ACCORDING TO SPECIAL INSPECTION PROGRAM.
3. EXPANSION ANCHORS (CONCRETE):
A. ICC / ICBO APPROVED; CONFIRM w/ FF-S-325, GROUP II, TYPE 4, CLASS 1.
B. MATERIAL: CARBON STEEL, ZINC PLATED, HOT-DIPPED GALVANIZED ACCORDING TO ASTM A 153.
C. ACCEPTABLE ANCHORS: STRONG BOLT 2 BY SIMPSON STRONG TIE COMPANY, INC. OR APPROVED EQUAL.
4. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON & SHIFT HOLE LOCATION TO AVOID REINFORCEMENT. PROVIDE MINIMUM 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN ANCHOR & ABANDONED HOLE. FILL ABANDON HOLE WITH NON-SHRINK GROUT. IF ANCHOR MAY NOT BE SHIFTED AS NOTED ABOVE, CONTACT ENGINEER TO DETERMINE COURSE OF ACTION.

SPECIAL INSPECTIONS

1. AN INDEPENDENT TESTING AGENCY & SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING TESTS AND INSPECTIONS. PROVIDE ACCESS & FURNISH SAMPLES TO THE AGENCY AS REQUIRED.

REQUIRED SPECIAL INSPECTIONS (TABLE 1705.2)			
VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
INSPECTION OF HIGH-STRENGTH BOLTING			
PRETENSION & SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMAKING OR CALIBRATED WRENCH METHODS OF INSTALLATION	X		AISC 360, SECTION M2.5

2. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY REVEAL ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, & NECESSARY REPAIRS WILL BE MADE AT CONTRACTOR'S EXPENSE.

ELECTRICAL

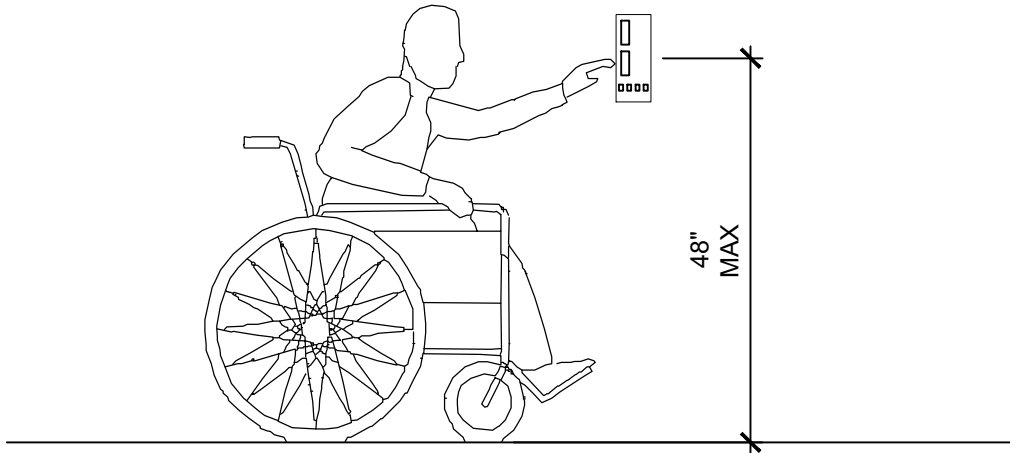
1. ELECTRICAL EQUIPMENT AND WIRING TO COMPLY w/ NEC ANSI / NFPA 70.
2. ELECTRICAL CONTRACTOR TO CONFIRM LOCATION & CAPACITY OF LOCAL POWER SUPPLY.
3. PROVIDE SINGLE-PHASE, DEDICATED CIRCUIT THROUGH A FUSED DISCONNECT. SIZE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
4. LOCATE ELECTRICAL CONNECTION BOX PER MANUFACTURER'S RECOMMENDATION.

LIGHTING

1. CONTRACTOR TO ENSURE A MINIMUM OF 10 FOOT-CANDLES AT PLATFORM & LANDINGS DURING NORMAL HOURS OF OPERATION; AND 1 FOOT-CANDLE FOR EMERGENCY LIGHTING.

EQUIPMENT

1. PLATFORM LIFTS REQUIRE STAIRS, FLOORS, & LANDINGS TO BE LEVEL, PLUMBING, & SQUARE; AND IN ACCORDANCE WITH THE SITE-SPECIFIC SHOP DRAWINGS.
2. CONTRACTOR TO ENSURE ALL MINIMUM & MAXIMUM CLEARANCE AS SPECIFIED BY MANUFACTURER ARE MET.
3. EQUIPMENT MUST INSTALLED BY A QUALIFIED TECHNICIAN IN COMPLIANCE w/ THE MANUFACTURER REQUIREMENTS.
4. EQUIPMENT INSTALLATION IS TO CONFIRM w/ STANDARDS SET BY THE CONTRACT DOCUMENTS. REPORT ANY DISCREPANCIES TO OWNER'S REPRESENTATIVE AND/OR ARCHITECT.



3 REQUIRED ADA CLEARENCE
SCALE: NTS

CODE SUMMARY

GENERAL NOTES

1. EXISTING PATH OF TRAVEL AND OVERALL AREA IS NOT EFFECTED BY THIS PROJECT.
2. THE EXISTING MEANS OF EGRESS WIDTH FOR DINING AREA 3 HAS CHANGED AND IS STILL IN COMPLIANCE WITH CURRENT CODE. SEE SUMMARY BELOW FOR MORE INFORMATION.
3. BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM.

APPLICABLE CODES

ALL WORK TO COMPLY WITH CURRENT FEDERAL, STATE, COUNTY, CITY BUILDING & ADA CODES & REGULATIONS.

CHAPTER 3 - USE & OCCUPANCY CLASSIFICATION

SECTION 303.3: A2 - ASSEMBLY

CHAPTER 10 - MEANS OF EGRESS

TABLE 1004.1.5: OCCUPANT LOAD
LOAD FACTOR = 15 NET SF

DINING AREA = 3,397 SF
NET AREA = 227
OF OCCUPANTS = 227
REQ'D EXITS = 2

SECTION 1005: EGRESS WIDTH
OCCUPANCY REQUIRED PROVIDED

DINING AREA 227 (0.2) = 45.4"
DOOR

STAIR

TABLE 1018.2: MINIMUM CORRIDOR WIDTH
ANY FACILITIES NOT LISTED IN TABLE = 44"

CHAPTER 11 - ACCESSIBILITY

THIS DEVELOPMENT IS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THIS CHAPTER OF THE 2019 OSSC.

REVISIONS:

PROJECT INFORMATION:
PROJECT # 20-007
DATE: 23-JULY-2020
DRAWN BY: RMA
CHECK BY: NDC

SHEET TITLE:
CODE
SUMMARY &
EXISTING
FLOOR
PLANS

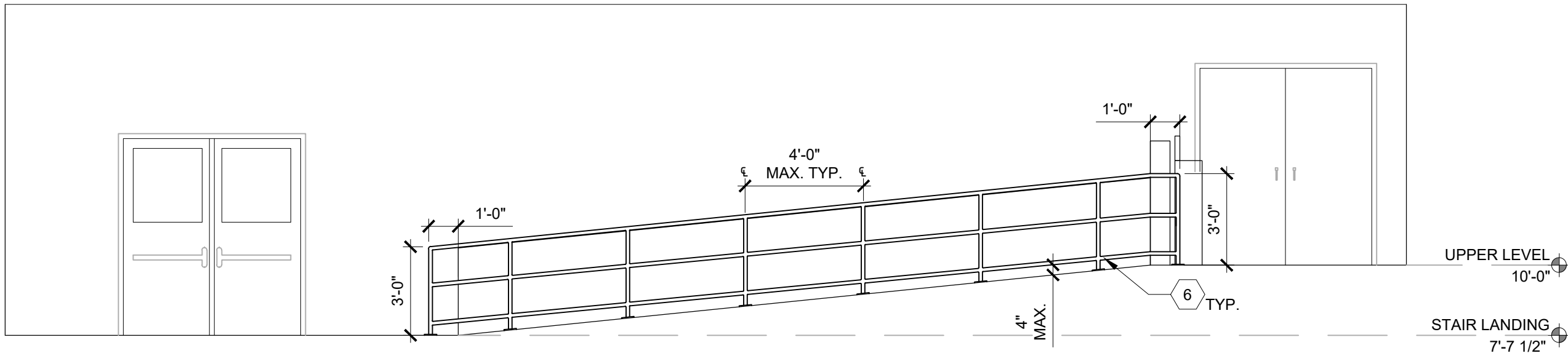
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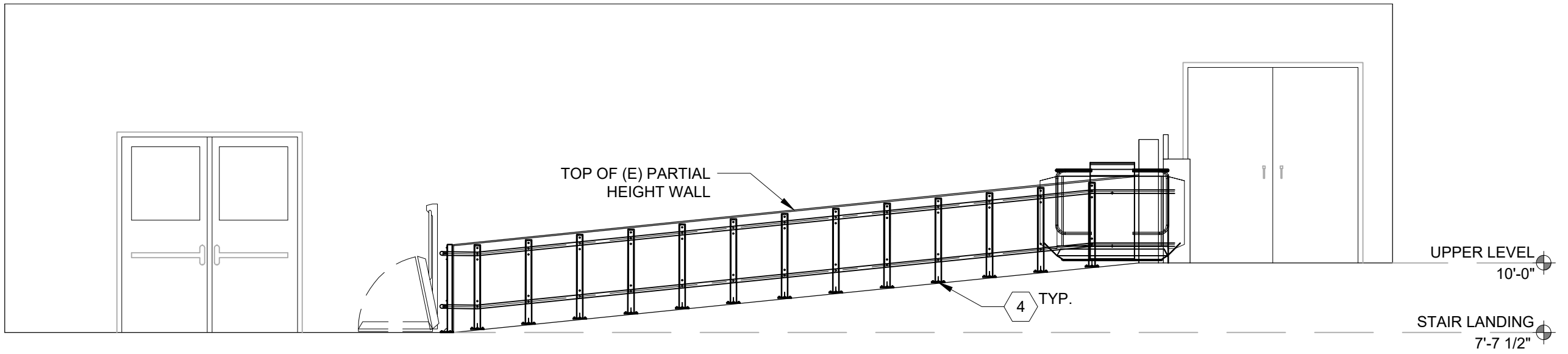
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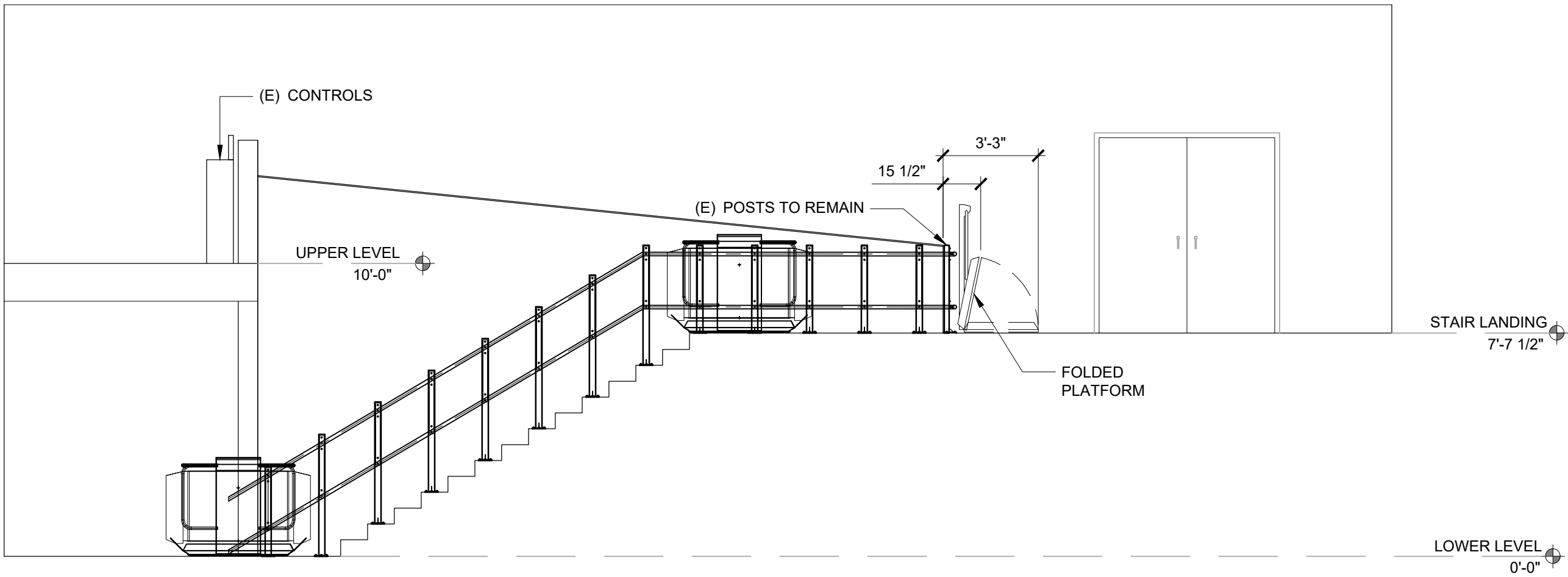
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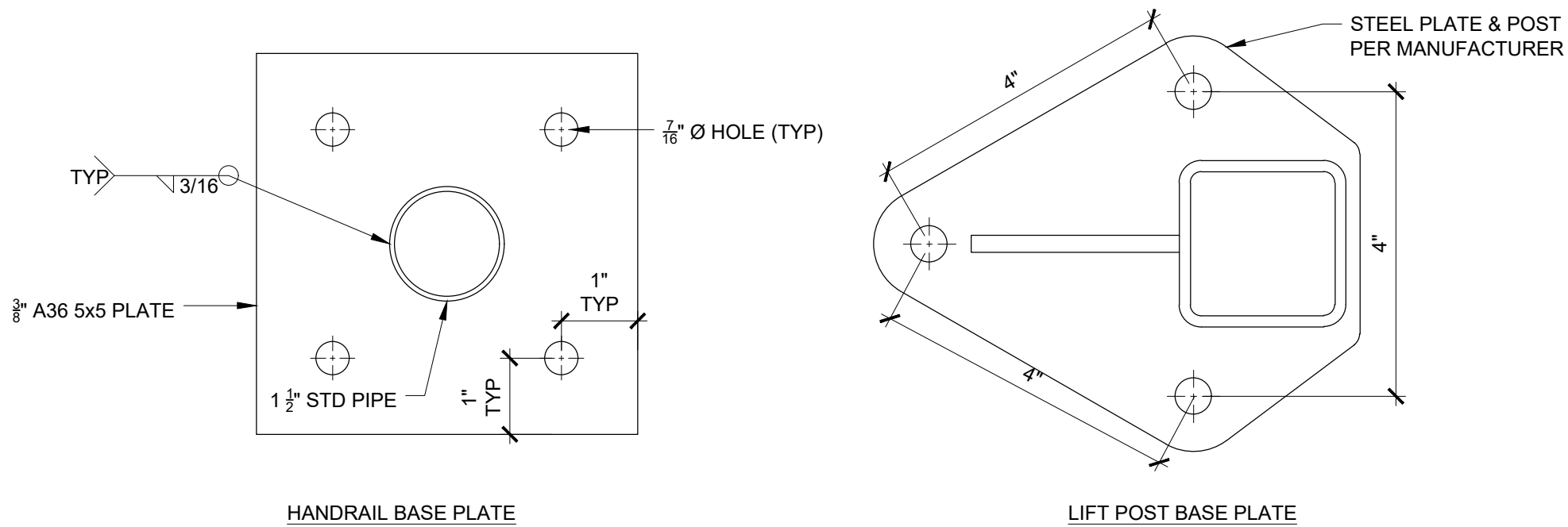
3 NEW UPPER LEVEL ELEVATION
SCALE: 1/4" = 1'-0"



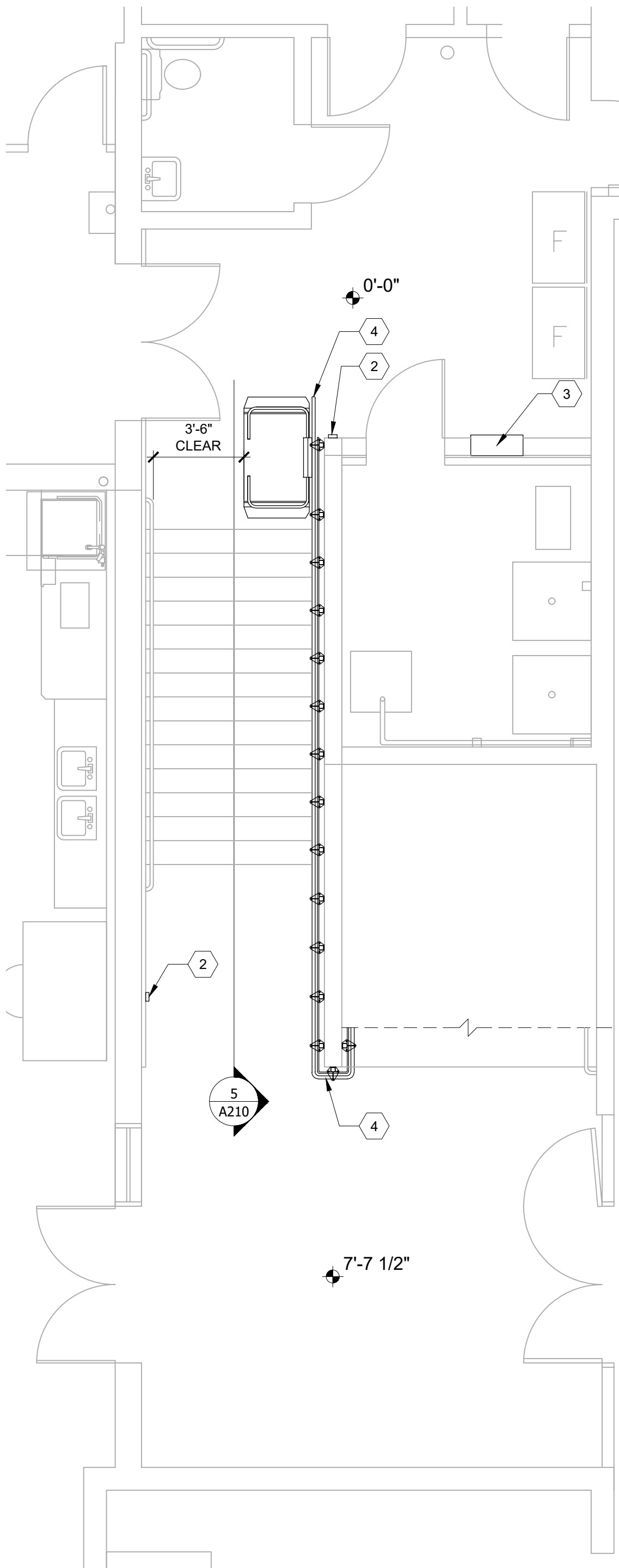
4 NEW UPPER LEVEL ELEVATION
SCALE: 1/4" = 1'-0"



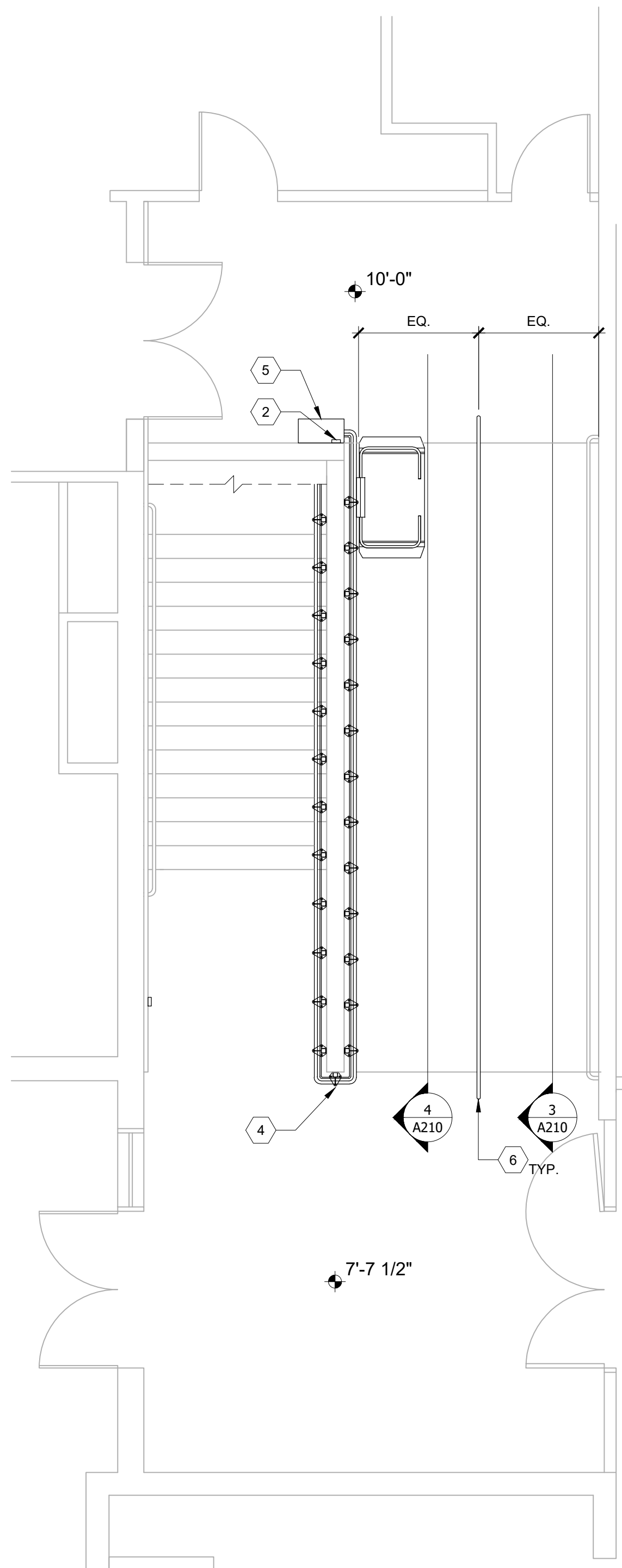
5 NEW LOWER LEVEL ELEVATION
SCALE: 1/4" = 1'-0"



6 BASE PLATE DETAILS
6" = 1' 0"



2 NEW LOWER FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 NEW UPPER FLOOR PLAN
SCALE: 1/4" = 1'-0"

KEY NOTES

- 1 REMOVE (E) STEEL STANDS AND BASE PLATES. REMOVE EXISTING GUIDE RAILS AND LIFT. INFILL w/ NON-SHRINK GROUT. LEVEL TOP OF GROUT w/ (E) ADJACENT SURFACE.
- 2 REPLACE (E) CONTROL TERMINALS w/ (N) LIFT CONTROL TERMINALS AND POWER SUPPLY. REUSE (E) CONDUIT.
- 3 LOCATIONS OF ELECTRICAL PANEL. ELECTRICIAN TO VERIFY PANELS HAVE CAPACITY FOR NEW CHAIR LIFT EQUIPMENT.
- 4 INSTALL NEW MULTI-STOP INCLINED PLATFORM LIFT w/ INTEGRATED HANDRAIL MOUNTED TO (N) SUPPORT STANDS. VERIFY POST HEIGHT AND SPACING IN FIELD. INSTALL (N) POST ON ADJACENT STEPS FROM (E) POSTS. ATTACH BASE PLATES TO CONCRETE DECK w/ (3) 3/8" Ø SIMPSON STRONGBOLT2 PER POST WITH 2.5" EFFECTIVE EMBEDMENT. 6" DISTANCE FROM CENTER OF BOLT TO CONCRETE EDGE IS REQUIRED. SUPPLY WASHERS AS NEEDED.
- 5 LOCATION OF DRIVE MOTOR CABINET.
- 6 1 1/2" O.D. PIPE HANDRAIL, CENTERED ON RAMP. ATTACHED w/ (4) 3/8" Ø SIMPSON STRONGBOLT2 PER POST WITH 2.5" EFFECTIVE EMBEDMENT. 6" DISTANCE FROM CENTER OF BOLT TO CONCRETE EDGE IS REQUIRED. SUPPLY WASHERS AS NEEDED.

SHEET NOTES

- A. REPORT ANY SITE DISCREPANCIES TO ARCHITECT PRIOR TO ORDERING AND/OR INSTALLATION.
- B. 3RD PARTY SPECIAL INSPECTION IS REQUIRED FOR POST INSTALLED ANCHORS. REFERENCE ESR 3037.
- C. PIPE A53 GRADE B FY = 35KSI
- D. PLATES A36 FY = 36KSI
- E. WELDS SHALL UTILIZE = FEXX 70 KSI ELECTRODES.
- F. SHOP WELDS SHALL BE DONE AT A WELD SHOP CERTIFIED PER AWS D1.1 STANDARDS. IF SHOP CERTIFICATION CANNOT BE PROVIDED, WELDS MUST BE THIRD PARTY SPECIALLY INSPECTED. ALL FIELD WELDING SHALL BE THIRD PARTY SPECIALLY INSPECTED PER AWS D1.1 STANDARDS.