



KENAITZE

INDIAN

TRIBE

www.kenaitze.org

Phone: 907-335-7200 • FAX: 855-335-8865

P.O. Box 988 • Kenai, AK 99611

**BID REQUEST
FOR**

Birch Tree House Wheel Chair Lifts

Issued By:

Kenaitze Indian Tribe
150 N. Willow St.
Kenai, AK 99611

Prepared by:

James Rendle
February 23, 2021

1 INTRODUCTION

1.1 ORGANIZATION

The Kenaitze Indian Tribe (Tribe) is a federally recognized tribal government, re-organized in 1971 under the statutes of the Indian Reorganization Act of 1934, as amended for Alaska in 1936. The Tribe serves over 5,000 community members, Alaska Natives, and American Indians in the central and upper Kenai Peninsula. The Tribe's Headquarters is located at 150 N Willow Kenai, Alaska 99611.

1.2 MISSION STATEMENT

To assure the Kahtnuht'ana Dena'ina thrive forever.

1.3 SOLICITATION

The Tribe is soliciting General Contractor's lump sum proposals for the installation of two Owner/Furnished Wheel Chair lifts for the Birch Tree House located at 510 Upland Street, Kenai, Alaska 99611.

A mandatory site inspection is required.

PERFORMANCE PERIOD

The following is the performance period for the general contracting services.

Permit Application	February 23 – March 22, 2021
Order Wheel Chair Lifts	February 24, 2021
Bid Requests	February 24 – March 19, 2021
General Contractor Selection	March 19 -26, 2021

The agreement resulting from this bid request shall be effective from the date of execution of the agreement through the completion of services. In the event the work is not completed within this timeframe, the Tribe, in its sole opinion, may determine the contractor to be in breach of the terms of the agreement.

1.4 BUDGET AND FUNDING

The project is funded with Indian Tribe funds. Federal Davis-Bacon labor wages are **NOT** required.

1.5 THE TRIBE'S PROJECT REPRESENTATIVES

Don Ohler, Construction Director, dohler@kenaitze.org (907) 529-7692

James Rendle, Project Manager, jrendle@kenaitze.org (701) 214-8591

Jeremy Harlow, Quality Control, jharlow@Kenaitze.org (907) 252-1981

Procurement Supervisor: Lisa List lilist@kenaitze.org (907) 335-7214

Contracting Officer: Dawn Nelson dnelson@kenaitze.org (907) 335-7200

Jacqueline Edwards: Architects Alaska, jedwards@architectsalaska.com (907) 272-3567

2 BACKGROUND

2.1 PROPOSED FACILITY

The Birch Tree House Facility is owned and operated solely by the Tribe and falls within the government jurisdiction of the City of Kenai. The building must meet applicable local, state, and federal codes and standards.

The Tribe has received stamped architectural, structural and electrical drawings for this project which are herein attached.

3 INSTRUCTION TO PROPOSERS

3.1 PROPOSAL SUBMISSION DEADLINE

To be considered, a complete bid package with Payment and Performance Bonds must be received by the Tribe at the address outlined within this solicitation no later than 4:00 pm Alaska Time on March 19, 2021. Any Proposals received after this deadline will not be accepted.

3.2 REQUIRED NUMBER OF COPIES

One (1) electronic copy of the bid proposal may be emailed to jrendle@kenaitze.org. Bid proposals sent via email should be sent in a single PDF document format, with the Bid Title noted in the subject line.

3.3 CONFLICT OF INTEREST AND RESTRICTIONS

If any bid proposer, proposer's employee, subcontractor, or any individual working on the bid proposal may have a possible real or perceived conflict of interest that may affect the objectivity, analysis, and/or performance of the contract, it shall be declared in writing and submitted to The Tribe at or before the submission deadline. The Tribe shall determine in writing if the conflict is significant and material and if so, may disqualify the bidder from submitting a proposal.

3.4 PROPOSER'S REVIEW AND SUBSTANTIVE QUESTIONS

Bidders should carefully review this bid request for errors, questionable or objectionable materials, and items requiring clarification.

Questions regarding the request for bids must be directed in writing to James Rendle, Construction Manager at jrendle@kenaitze.org. All emails must identify the bid title in the subject line, include the contact information for the person submitting the question. All questions must be submitted using this format and must be received no later than March 10, 2021.

The Tribe will review the submitted questions and respond to all inquiries in writing by replying via email to all inquirers and interested bidders at one time. The email will provide every question received and each accompanying response. This will ensure all potential bidders receive the same information.

3.5 ADDENDUM TO THE Bid Proposal

The Tribe reserves the right to issue written addenda to revise or clarify the bid specifications, respond to questions, and/or extend the due date of bids.

3.6 Mandatory Site Visit

A Mandatory Site Visit will be held on March 05, 2021 @ 10 am.

4 BID REQUEST GENERAL CONDITIONS

4.1 CANCELLATION OR DELAY OF THE BID

The Tribe reserves the right to terminate this request for bids at any time, without reason.

The Tribe reserves the right to modify or otherwise alter any or all of the requirements herein. In the event of a modification, bidders will be given an equal opportunity to modify their bids as identified in writing by the Tribe.

4.2 COST OF PROPOSAL PREPERATION

The issuance of this Bid Request, the submission of a response by any bidder, and the acceptance of such response do not obligate the Tribe in any manner. The Tribe is not liable for any costs incurred by bidders prior to the issuance and execution of a contract to the low bidder selected as a result of the bid request. The Tribe shall not be responsible for any costs associated with preparing and/or submitting a proposal in response to this bid request, in any manner or for any reason.

Kenaitze is a federally-recognized Indian tribe and, as such, possesses sovereign immunity from suit as stated in section 4.10 of this document.

4.3 ACCEPTANCE of Bid Request

A 5% Bid Security Bond must accompany all bids and will be held for 60 days.

The Tribe reserves the right to reject any or all proposals received.

The Tribe reserves the right to accept other than the lowest cost proposal, and to negotiate the specified dollar amount, or any portion of that amount.

4.4 Proposal Validity

The contractors bid proposal will remain valid for 60 days from the bid submission deadline. No price proposal will be accepted if marked "price prevailing at the time of delivery", "estimated price", or something similar. All prices shall be marked "Lump Sum" and must be in U. S. Dollars

4.5 Subcontractors

The successful contractor must disclose to the Tribe the use and identity of all subcontractors it intends to use to perform the project requirements. The Tribe reserves the right to approve all subcontractors if it so chooses. The contractor is solely responsible for the satisfactory performance of and compensation to any and all subcontractors.

4.6 Insurance Requirements

Contractor shall supply a certificate of insurance for \$1,000,000.00 for General Liability Insurance, \$2,000,000.00 Umbrella Insurance, \$1,000,000.00 Product Operations Insurance, Regulatory Workman's Compensation Insurance, and Vehicle Insurance. **Contractor shall submit Proof of Insurance with the Bid proposal.** The contractor shall be financially responsible for all deductibles, costs, and self-insured retention's and/or self-insurance required herein.

4.7 Contract Issuance

This Bid Request does not obligate the Tribe or the selection of the apparent low bidder until a lump sum contract is signed and approved by both parties. If approved, it is effective from the date of final approval by the Contracting Officer. The Tribe shall not be responsible for work done, even in good faith, prior to final contract approval. If there is any conflict between these documents and the approved contract, these documents shall govern.

Additional conditions may be required, depending upon the nature and extent of the services to be provided. The Tribe reserves the right to negotiate a change or modification to any of the proposed conditions.

The Tribe reserves the right to negotiate changes following the award.

Upon notice of Intent to Award by the Tribe, it is expected that the selected contractor will review and sign the Tribe's Contract Documents. The Awarded Contractor is expected to carefully review the Tribe's Contract Documents for General Contractor services provided and advise the Tribe if any of the terms or conditions of the agreement are objectionable. If any provisions are objectionable, the Awarded Contractor must provide alternate terms and conditions which are acceptable to it. The Tribe reserves the right to reject any terms and conditions that fails to indicate that the Awarded Contractor is willing to execute the Tribe's standard Contract form of agreement or fails to propose terms and conditions for the agreement that are acceptable to the Tribe.

The Owner and Awarded Contractor may rely on the Initial Information. Both parties, however, recognize that such information may materially change and, in that event, if mutually agreed upon, the Owner and the Awarded Contractor may appropriately adjust the Schedule of Work, the Contractor services and compensation.

4.8 DELIVERY OF PROPOSALS

The Tribe assumes no responsibility or liability for the transmission, delay, or delivery of Bidders submission by either public or private carriers.

4.9 PROPOSALS WITHDRAWAL AND CORRECTION

Bids may be corrected or withdrawn by a written request received prior to the Submission Deadline. Any corrected proposal must be received by The Tribe prior to the Bid Closing Deadline in order to be considered timely.

4.10 MULTIPLE PROPOSALS

The Tribe will not accept multiple bids from the same bidder.

4.11 RESTRICTION ON COMMUNICATION

From the date issued until the Submission Deadline, Proposers are directed not to communicate with any Tribe employee, Council Member, Committee/Board Member, officers, or agents regarding any matter relating to this Bid Request, other than through jrendle@kenaitze.org. The Tribe reserves the right to reject any proposal due to violation of this provision.

4.12 PROPOSER'S REVIEW AND DIRECTIONAL QUESTIONS

The Tribe will review the submitted questions and respond to all inquiries in writing by replying via email to all inquirers and interested bidders at one time. The email will provide every question received and each accompanying response. This will ensure all potential Proposer's receive the same information.

4.13 SOVERIGN IMMUNITY

The Tribe is reluctant to sign any contract or agreement that specifically asks or implies a waiver of sovereign immunity. If presented with a contract or agreement that contains or implies a waiver, the Tribe will likely ask that the following be included prior to consideration:

“SOVEREIGN IMMUNITY: Kenaitze is a federally-recognized Indian tribe and, as such, possesses sovereign immunity from suit. By entering into this Agreement, the Tribe does not intend to waive its sovereign immunity and does not do so. Nothing in this Agreement shall be construed as a waiver of the sovereign immunity of the Tribe.”

5 BIDDING GENERAL CONTRACTORS SCOPE OF SERVICES

5.1 SERVICES

Provide all labor, materials, tools, equipment, room and board, and necessary transportation for the successful installation of the Owner Furnished Genesis Vertical Platform Lifts for the Birch Tree House Facility located in Kenai, Alaska. The general contractor will acquire and coordinate all activities, including coordinating the installation of the owner furnished equipment, as outlined in the attached set of stamped drawings. Upon final installation, the general contractor shall coordinate with Alaska Stairlift & Elevator as necessary, make any and all adjustments and corrections. Upon final acceptance and approval by the design team, city and state inspectors, general contractor shall coordinate any training requirements and submit any as-builds to the architect of record and O & M manuals to the owner.

5.2 KICKOFF or PRECONSTRUCTION MEETING

The Kickoff or Preconstruction Meeting will take place 10 days after Notice of Award and after all contract documents have been approved and signed in Kenai, Alaska. The successful general contractor will present a detailed Project Schedule to include all required power shut offs and 48 hour advance notifications to the Kenaitze Indian Tribes Project Manager, so as not to disrupt the Birch Tree House Staff. This meeting will include the General Contractor, Electrical Contractor, Facilities Director and Facilities Manager, and Construction Director, Kenaitze's Project Manager.

5.3 PROCESS SUBMITTALS

The Submittal Process will be forward to Kenaitze Indian Tribe's Project Manager, James Rendle, and forwarded to Architects Alaska Architect of Record. The General Contractor will develop the Submittal Schedule and forward to Kenaitze's Project Manager for review.

5.4 CHANGE ORDERS AND WORK CHANGE DIRECTIVES

The Kenaitze Project Manager will receive any and all Change Order requests from the general contractor for review. The Kenaitze Project Manager will respond to any notice from the general contractor of differing site conditions, including conditions relating to unforeseen conditions such as radiant floor heat, utilities and hazardous environmental conditions. The Project Manager will promptly conduct reviews and prepare findings, conclusions, and recommendations for the Tribe's use.

5.5 CHANGE PROPOSALS AND CLAIMS

With the Tribe's concurrence, the Kenaitze Project Manager will process each duly submitted Change Order request from the general contractor and, within 10 days after receipt, either deny the Change Proposal in whole, approve it in whole, or deny it in part and approve it in part. Such actions shall be in writing with a copy provided to the Tribe and general contractor. General contractor's markup on change orders for Overhead and Profit shall not exceed 15% (fifteen percent), and general conditions will only be permitted if a contract time extension is warranted.

5.6 SUBSTANTIAL COMPLETION

Substantial Completion will be considered when project is ready for State Elevator Inspection.

5.7 OPERATION & MAINTENANCE MANUALS

The General Contractor will prepare a comprehensive Operations & Maintenance Manual to be submitted to the Tribe for review.

5.8 REDLINES AND ASBUILT DRAWINGS

The General contractor will furnish redlined as-built drawings to the Kenaitze's Project Manager and to the architect of record.

5.9 COMMISSIONING AND PROJECT CLOSE OUT

The General Contractor will coordinate all Alaska Stairlift & Elevator efforts, operation and maintenance training, all inspection reports, or any other pertinent documents to the installation of the Genesis Vertical Platform Lifts.

6 SCHEDULE

6.1 SUBMITTAL FORMAT AND QUALITY

The general contractor shall provide a detailed Project Schedule starting with the award date, identifying construction activities with milestones, corridor/office disruptive activities, electrical shut downs, state and local inspections and closeout dates.

6.2 NOTICE OF AWARD

Notice of Award will be given after all bids have been presented to the Kenaitze Indian Tribal Council for review. The most comprehensive apparent low bidder will be pointed out and recommended. However, Council will make the final decision for award.

7 ANTICIPATED CONTRACTUAL ARRANGEMENTS

7.1 EXECUTION OF AGREEMENT

Within five days after Notice of Intent to Award, contractor will provide all required both 100% Payment and 100% Performance Bonds as required for said project.

The Tribe reserves the right to require documentation that each bidder is an established business and abiding by the ordinances, regulation, and laws of the State of its Incorporation, and the State of Alaska.

If a Proposer is required by any regulatory agency to maintain a professional license or certification to provide any service or product solicited under this Bid Request, the Tribe reserves the right to require the bidder to provide documentation of bidder's current license and/or certification before considering the bid and/or before awarding the contract.

THE END

KENAITZE INDIAN TRIBE

BIRCH TREE ELEVATOR DESIGN

510 UPLAND STREET

KENAI, ALASKA

Project No.: 21008.01

CONSTRUCTION DOCUMENTS

Issue Date: 19 FEB 2021



Architects
Alaska®

AK Corp. Authorization AECC561

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907.272.3567 907.277.1732 fax

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Bozeman, Montana 59715
406.404.1588

STRUCTURAL ENGINEERING

William J Nelson & Associates

155 Bidarka Street, Kenai, AK 99611

ELECTRICAL ENGINEERING

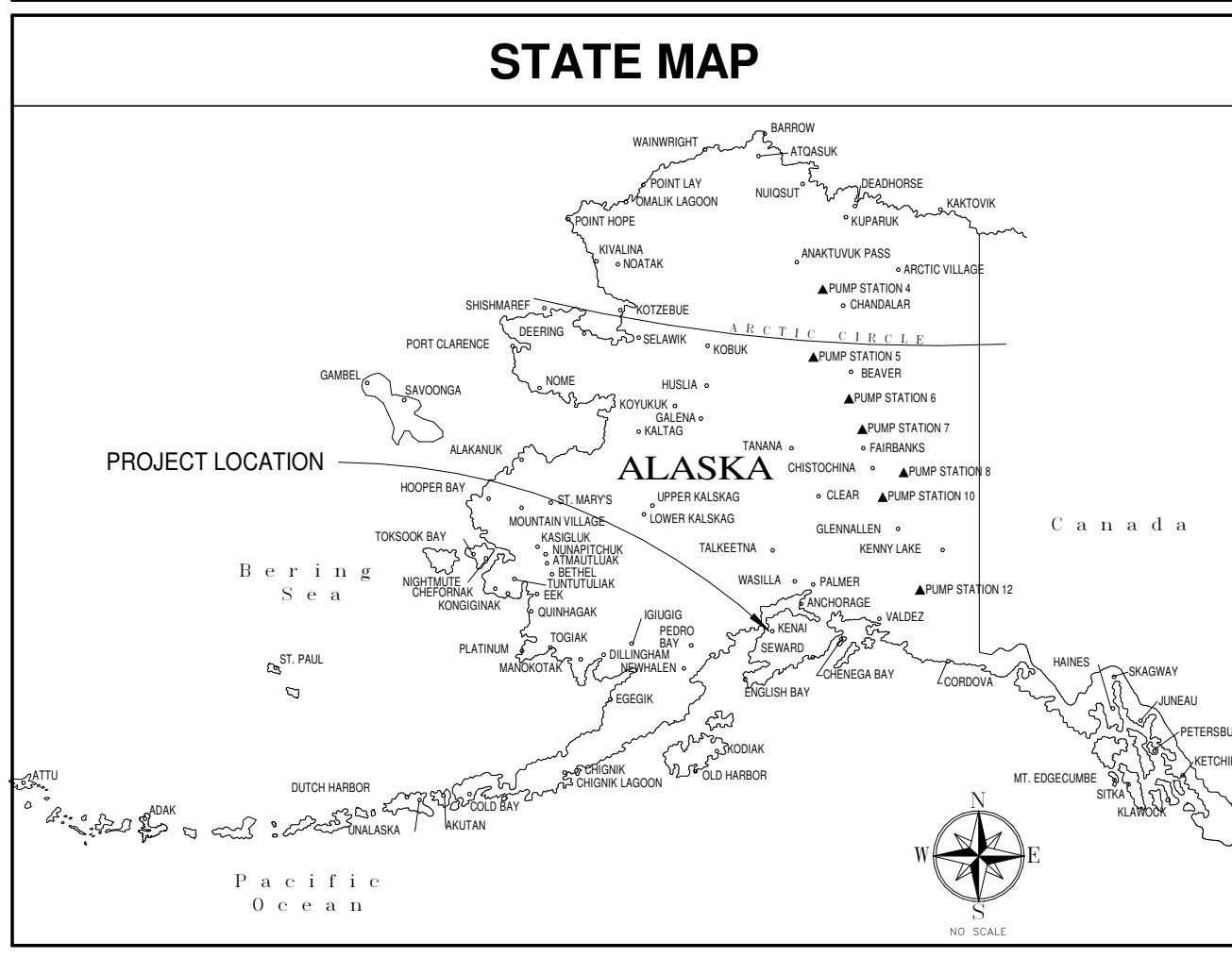
AMC Engineers, Inc

701 East Tudor Road, Suite 250, Anchorage, AK 99503

ARCHITECTURAL ABBREVIATIONS			
&	AND	F.O.S.	FACE OF STUD
<	ANGLE	F.O.	FACE OF (Conc. etc.)
@	AT	F.R.P.	FIBER REINFORCED PANEL
CL	CENTERLINE	FRPF	FIREPROOFING
o	DEGREE	FRPT	FIRE-RETARDENT TREATED
#	NUMBER	FT	FOOT OR FEET
		FTG	FOOTING
ABV	ABOVE	FURR	FURRING
AC	ASPHALTIC CONCRETE	FUT	FUTURE
ACP	ACOUSTICAL CEILING PANEL		
ACT	ACOUSTICAL CEILING TILE	GA	GAUGE
ACOUS	ACOUSTICAL	GAL	GALLON
ADD	ADDITION	GALV	GALVANIZED
AFF	ABOVE FINISH FLOOR	G.B.	GRAB BAR
AHU	AIR HANDLING UNIT	G.I.	GALVANIZED IRON
ALT	ALTERNATE	GL	GLASS
ALUM	ALUMINUM	GT	GLASS TYPE
APPROX	APPROXIMATE	GWB	GYPSUM WALL BOARD
ARCH	ARCHITECTURAL	GYM	GYMNASIUM
ASPH	ASPHALT	GYP.	GYPSUM
AVG	AVERAGE		
		H.B.	HOSE BIB
BD	BOARD	H.C.	HOLLOW CORE
BLDG	BUILDING	HDWD	HARDWOOD
BLKG	BLOCKING	HDWR	HARDWARE
BLW	BELOW	H.M.	HOLLOW METAL
BM	BENCH MARK	H.M.F.	HOLLOW METAL FRAME
B.O.	BOTTOM OF	HORIZ	HORIZONTAL
B.S.	BOTH SIDES	H.P.	HIGH POINT
BTU	BRITISH THERMAL UNIT	HR	HOUR
BUR	BUILT-UP ROOF	HT	HEIGHT
		HW	HOT WATER
		HWY	HIGHWAY
CAB	CABINET		
C.B.	CATCH BASIN	I.D.	INSIDE DIAMETER
CEM	CEMENT	() OR IN	
C.I.	CAST IRON	INH	INSULATED HOLLOW METAL
CIRC	CIRCULAR	INSUL	INSULATION
CLG	CEILING	INT	INTERIOR
CLR.	CLEAR	JAN	JANITOR
C.M.P.	CORRUGATED METAL PIPE	JT	JOINT
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	KIT	KITCHEN
COMP	COMPOSITION		
CONC	CONCRETE	LAB	LABORATORY
CONSTR	CONSTRUCTION	LAM	LAMINATE OR LAMINATED
CONT	CONTINUOUS	LAV	LAVATORY
COOR	COORDINATE	LB	POUND
CORR	CORRIDOR	LH	LEFT HAND
C.R.	COLD ROLLED	LL	LIVE LOAD
C.R.C.	COLD ROLLED CHANNEL	L.O.W.	LIMITS OF WORK
C.T.	CERAMIC TILE	L.P.	LOW POINT
CTR	CENTER		
		MATL	MATERIAL
DBL	DOUBLE	MAX	MAXIMUM
DEPT	DEPARTMENT	MECH	MECHANICAL
D.F.	DRINKING FOUNTAIN	MET OR MTL	METAL
DET	DETAIL	MFR	MANUFACTURER
DIA	DIAMETER	MH	MANHOLE
DIAG	DIAGONAL	MIN	MINIMUM OR MINUTE
DIM	DIMENSION	MISC	MISCELLANEOUS
DISP	DISPENSER	M.O.	MASONRY OPENING
DL	DEAD LOAD	MULL	MULLION
DN.	DOWN		
DS	DOWNSPOUT	N	NORTH
DWG	DRAWINGS	NE	NORTHEAST
		NIC	NOT IN CONTRACT
E	EAST	NO	NUMBER
(E)	EXISTING	NOM	NOMINAL
EA	EACH	NTS	NOT TO SCALE
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	NW	NORTHWEST
ELEV	ELEVATION		
ELEV	ELEVATOR	O	OVER
ELEC	ELECTRICAL	O.C.	ON CENTER
EMB	EMBOSSING	O.D.	OUTSIDE DIAMETER
EQ	EQUAL	OFD	OVERFLOW DRAIN
EQUIP	EQUIPMENT	OFF	OFFICE
E.G.	EACH SIDE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
EXIST	EXISTING	OH	OVERHEAD
EXP	EXPOSED	OPNG	OPENING
EXP AGG.	EXPANSION EXPOSED AGGREGATE	OPP	OPPOSITE
EXP JT.	EXPANSION JOINT EXTERIOR		
		PARA	PARALLEL
F.B.	FLAT BAR	PART	PARTITION
F.D.	FLOOR DRAIN	PERF	PERFORATED
FDN	FOUNDATION	PERM	PERMANENT
F.E.	FIRE EXTINGUISHER	PERP	PERPENDICULAR
F.E.C.	FIRE EXTINGUISHER CABINET	P.I.C.	PRECAST INSULATED CONCRETE
FIN	FINISH	PL	PLATE
FF	FACTORY FINISH(ED)	P.LAM	PLASTIC LAMINATE
FF	FINISH FLOOR	PLAST	PLASTER
FLUOR	FLUORESCENT		
F.O.B.	FACE OF BLOCK		
F.O.F.	FACE OF FINISH		
		PLYWD	PLYWOOD
		PR	PAIR
		PREFAB	PREFABRICATED
		PRMA	PROTECTED MEMBRANE ROOF ASSEMBLY
		PROJ	PROJECT
		PT	POINT AND PAINT
		P.T.	PRESERVATIVE TREATED
		PTD	PAPER TOWEL DISPENSER
		PVC	POLYVINYL CHLORIDE
		R	RISER OR RADIUS
		R.D.	ROOF DRAIN
		REF	REFERENCE
		REFR	REFRIGERATOR
		REINF	REINFORCING
		REQ	REQUIRED
		R.H.	RIGHT HAND
		R.L.	RAIN LEADER
		RM	ROOM
		R.O.	ROUGH OPENING
		R.O.W.	RIGHT OF WAY
		RTU	ROOF TOP UNIT
		S	SOUTH
		SAN	SANITARY
		S.C.	SOLID CORE
		SCHED	SCHEDULE
		SE	SOUTHEAST
		SECT	SECTION
		SHEATH	SHEATHING
		SHT	SHEET
		SIM	SIMILAR
		SND	SANITARY NAPKIN DISPENSER
		SPEC	SPECIFICATIONS
		SQ	SQUARE
		S.S.	SANITARY SEWER
		S.ST.	STAINLESS STEEL
		STD	STANDARD
		STL	STEEL
		STOR	STORAGE
		STRUCT	STRUCTURAL
		ST.S	STORM SEWER
		SUSP	SUSPENDED
		SV	SHEET VINYL
		SW	SOUTHWEST
		SYM	SYMMETRICAL
		TB	TACKBOARD
		TBHM	THERMALLY-BROKEN HOLLOW METAL
		TEL	TELEPHONE
		TEMP	TEMPORARY
		TERR	TERRAZZO
		T&G	TONGUE AND GROOVE
		THRU	THROUGH
		T.O.	TOP OF (eg CONCRETE)
		T.O.S.	TOP OF STEEL
		TV	TELEVISION
		TYP	TYPICAL
		UAA	UNIVERSITY OF ALASKA ANCHORAGE
		UL	UNDERWRITERS LABORATORY
		UNFIN	UNFINISHED
		UNO	UNLESS NOTED OTHERWISE
		VCT	VINYL COMPOSITION TILE
		VERT	VERTICAL
		VEST	VESTIBULE
		VR	VAPOR RETARDER
		VTR	VENT THROUGH ROOF
		W	WEST
		W/	WITH
		WC	WATER CLOSET
		WD	WOOD
		W/O	WITHOUT
		WP	WATERPROOF
		WT	WEIGHT

PROJECT DESCRIPTION

TO MEET ADA COMPLIANCE OF THE EXISTING BIRCH TREE HOUSE, TWO NEW CHAIR LIFTS WILL BE INSTALLED. ONE SHAFT WILL SERVICE THE FIRST FLOOR TO THE BASEMENT. THE SECOND LIFT WILL SERVICE THE FIRST FLOOR TO THE SECOND FLOOR. MINOR ALTERATIONS WILL OCCUR ON EACH FLOOR TO ACCOMMODATE THESE UPGRADES. THE DESIGN INCLUDES ARCHITECTURAL, STRUCTURAL AND ELECTRICAL.



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A102	FIRST FLOOR DEMO PLAN FIRST FLOOR NEW PLAN
A103	SECOND FLOOR DEMO PLAN SECOND FLOOR NEW PLAN
A104	REFLECTED CEILING PLANS
A301	SECTIONS
STRUCTURAL	
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S2.1	OVERVIEW PLAN
S3.1	ELEVATOR ENLARGED PLAN & SECTION
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S4.1	DETAILS
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E0.2	SPECIFICATIONS
E1.1	DEMOLITION PLANS - ELECTRICAL
E2.1	FLOOR PLANS - ELECTRICAL
E3.1	BASEMENT ELECTRICAL - ALTERNATE

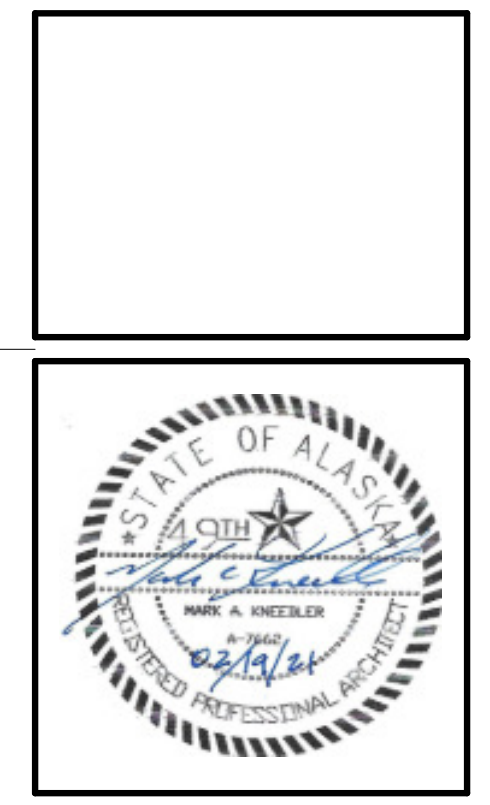
ARCHITECTURAL DRAWING CONVENTIONS

NORTH ARROW	GRID LINES	SHEET NOTE TAG	BLDG./WALL SECTION	DISCIPLINE	DETAIL	EXTERIOR ELEVATION	PARTITION TYPE	EQUIPMENT TAG
REVISIONS	DOOR NUMBER	DEMOLITION	VERT. CONTROL POINT	WINDOW TYPE	ROOM TAG	INTERIOR ELEVATION	MATCHLINE	

GENERAL PROJECT NOTES

- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODES OUTLINED ON THE LIFE SAFETY PLAN, AND ALL OTHER STATE AND LOCAL CODES, INCLUDING ALL AMENDMENTS.
- ALL WORK SHALL CONFORM TO THE AMERICAN DISABILITIES ACT (A.D.A.) ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (A.D.A.G.) AND A.N.S.I. 117.1 UNLESS NOTED OTHERWISE.
- ALL WALL AND CEILING FINISHES CHAPTER 8 IBC AND NFPA REQUIREMENTS ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE, FACE OF C.M.U., TO CENTERLINE OF STRUCTURAL COLUMN, OR TO STRUCTURAL GRID-LINE UNLESS NOTED OTHERWISE.
- DIMENSIONS NOTED AS 'CLEAR' (OR CLR.) SHALL BE TO FINISHED FACE. DO NOT SCALE THE DRAWINGS TO OBTAIN CONSTRUCTION DIMENSIONS. DRAWINGS ARE INTENDED TO PROVIDE INFORMATION FOR CONTRACTORS DETERMINATION OF SCOPE OF WORK.

Architects Alaska
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KENAIITZE INDIAN TRIBE
BIRCH TREE ELEVATOR
DESIGN
 510 UPLAND STREET

Revisions		
No.	Description	Date

Drawn by	Date
Author	19 FEB 2021
Checked	Job No.
Checker	21008.01

Sheet Contents
 GENERAL NOTES,
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 MAP AND SHEET INDEX

Sheet No.
G100

BIM 360://21008.01 KIT Birch Tree Elevator Design R20.rvt

C

B

A

BUILDING CODE ANALYSIS

APPLICABLE CODES (WITH LOCAL AMENDMENTS)
 2009 INTERNATIONAL BUILDING CODE (IBC)
 2012 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 2009 STATE OF ALASKA AMENDMENTS TO IBC
 2014 NFPA 70, NATIONAL ELECTRICAL CODE (NEC)
 2009 INTERNATIONAL FIRE CODE (IFC)
 2009 INTERNATIONAL MECHANICAL CODE (IMC)
 AMERICANS WITH DISABILITIES ACT
 ANSI A119.1

CONSTRUCTION TYPE:
 TYPE VB, NON-SPRINKLERED
NUMBER OF STORIES: 2-STORY, WITH BASEMENT
OCCUPANCY GROUPS:
 GROUP: B, BUSINESS
ACTUAL AREA: 6,174 SF. BASEMENT IS 2,556 SF
ALLOWABLE HEIGHT/AREA (TABLE 503): B OCC, TYPE VB:
 NUMBER OF STORIES 2
 MAX HEIGHT 40 FT
BASIC ALLOWABLE AREA: 9,000 SF PER FLOOR
AREA INCREASE FROM SETBACKS: BLDG WITH FRONTAGE ON 4
 SIDES: $If = 0.75, 9,000 + (9,000 \times 0.75) = 15,750$ SF, OK
OCCUPANCY AREAS: B, BUSINESS
FIRE SEPARATION: (TABLE 508.4), NO SEPARATION REQUIRED
NUMBER OF EXITS: 2 EXITS REQUIRED (1015.1)
 2 EXITS ARE PROVIDED FROM BASEMENT
 4 EXITS ARE PROVIDED ON FIRST FLOOR
 2 EXITS PROVIDED ON 2ND FLOOR

FIRE SEPARATION: A 1-HOUR FIRE BARRIER REQUIRED TO PROTECT
 INTERNAL EXIT STAIRS THAT DO NOT MEET THE EXCEPTION IN
 1022.1. STAIRS SERVE MORE THAN 10 OCCUPANTS AND CONNECT
 MORE THAN 2 LEVELS. DOOR OPENINGS IN THE FIRE BARRIERS
 MUST BE LABELED THE SAME AS THE BARRIER RATING: 1-HOUR

CORRIDOR FIRE PROTECTION: RATING REQUIRED IF OCCUPANCY
 LOAD IS MORE THAN 30. THERE ARE NO CORRIDORS IN THE
 BUILDING WITH OCC LOAD ABOVE 30, SO NO RATING REQUIRED

ELEVATOR SHAFT PROTECTION: IEBC SECTION 803.2, EXCEPTION 5,
 FOR B OCCUPANCY REQUIRES A 30 MIN. RATED SHAFT ENCLOSURE
 FOR ELEVATORS CONNECTING NOT MORE THAN 3 LEVELS.
 THE EXISTING ELEVATOR SHAFT WALL IS CONSTRUCTED WITH 1-
 LAYER OF 1/2" GWB ON EACH SIDE, SO IT PROVIDES AT LEAST A 30-
 MIN. RATING.
**THE NEW ELEVATOR SHAFT WILL BE CONSTRUCTED WITH 1-LAYER
 OF 5/8" GWB ON EACH SIDE TO PROVIDE AT LEAST A 30-MIN. RATING.**

FIRE EXTINGUISHERS: IBC TABLE 906.3(1), TYPE 2-A MAX.
MANUAL FIRE ALARM: NOT REQUIRED
FINISHES: INTERIOR FINISHES (TABLE 903.9)
 WALLS AND CEILINGS: CLASS B
 EXIT STAIRS: CLASS B

ACCESSIBILITY: PROVIDE REQUIRED ACCESSIBILITY FOR
 INDIVIDUALS WITH DISABILITIES

3411.8.3 PLATFORM LIFTS:
 PLATFORM (WHEELCHAIR) LIFTS COMPLYING WITH ICC A117.1 AND
 INSTALLED IN ACCORDANCE WITH ASME A18.1 SHALL BE PERMITTED
 AS A COMPONENT OF AN ACCESSIBLE ROUTE.

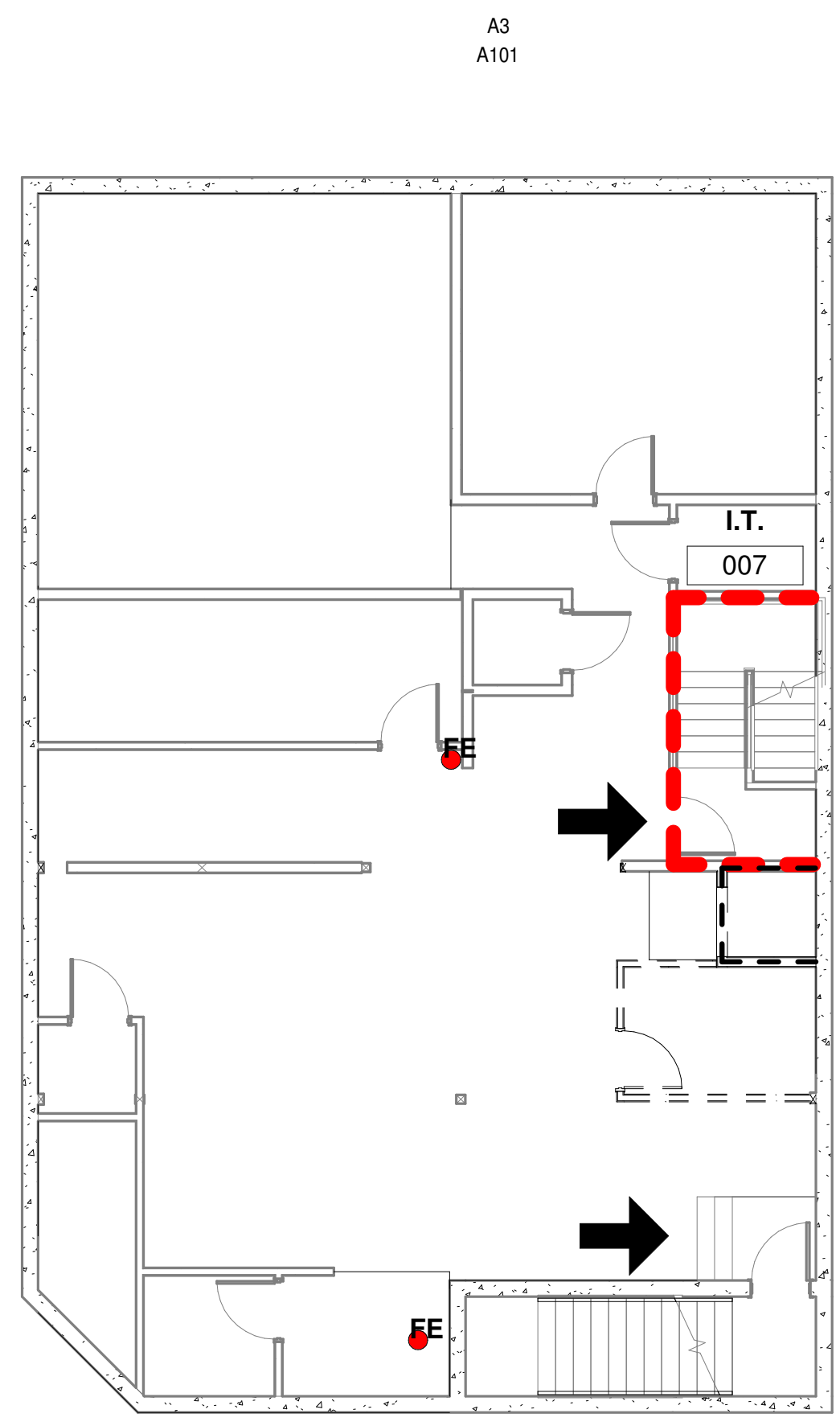
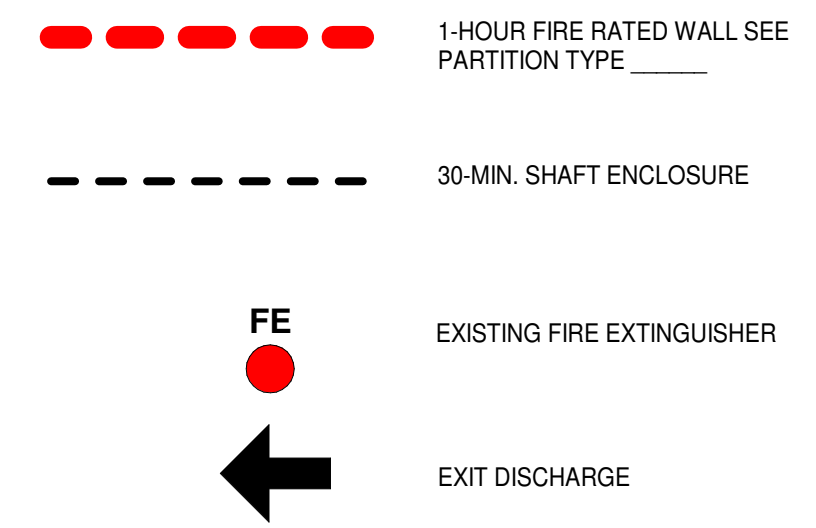
410.5 CLEAR FLOOR SPACE:
 PLATFORM LIFTS WITH A SINGLE DOOR OR WITH DOORS ON
 OPPOSITE ENDS SHALL PROVIDE A CLEAR FLOOR WIDTH OF 36
 INCHES MIN. AND A CLEAR FLOOR DEPTH OF 48 INCHES MIN.

ICC A117.1 AUTOMATIC DOORS:
 FULL POWERED AUTOMATIC DOORS SHALL COMPLY WITH
 ANSIBHMA A 156.10

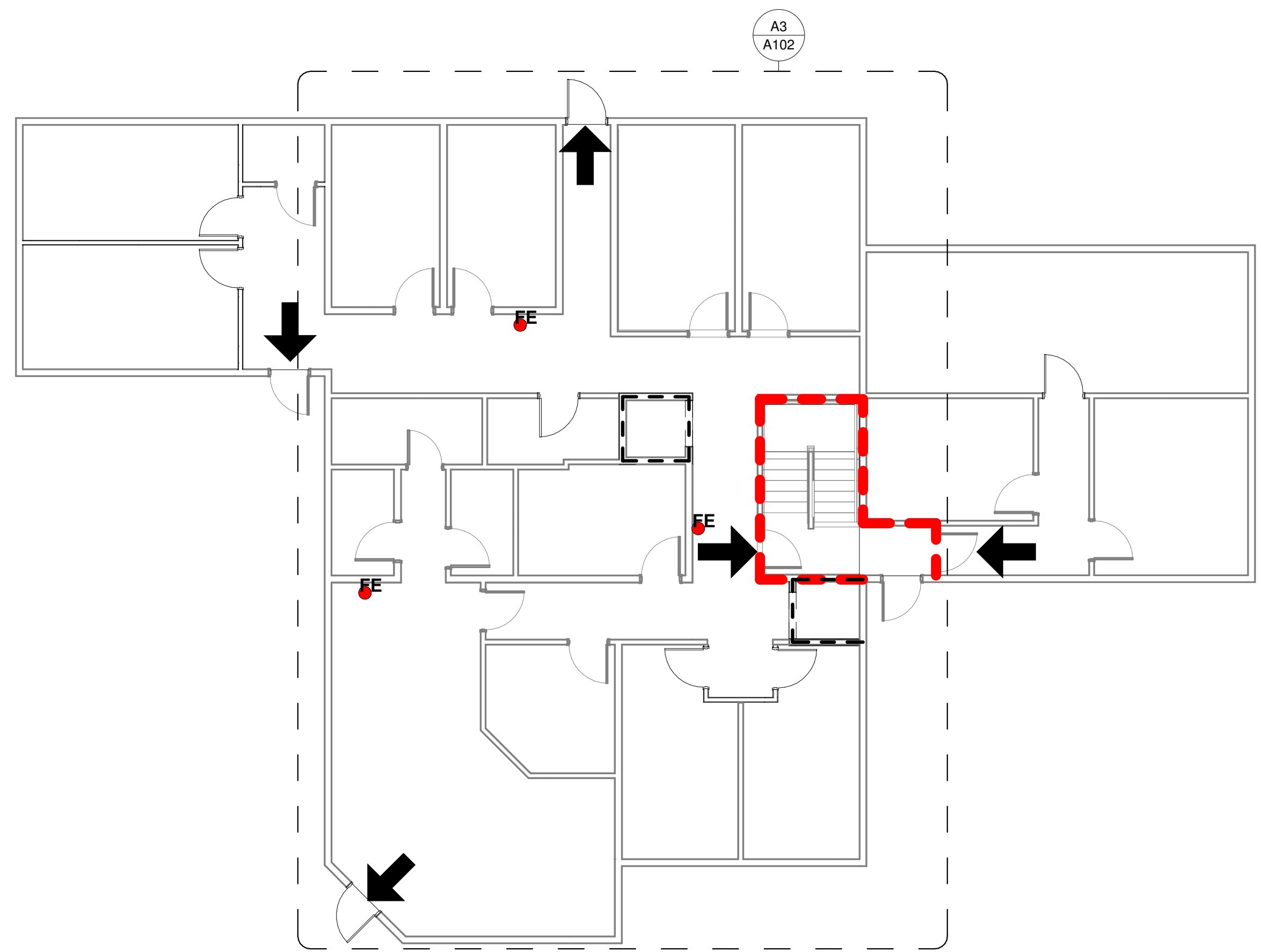
405.2 SLOPE:
 RAMP TO LIFT ON BASEMENT FLOOR TO HAVE A MAXIMUM SLOPE OF
 1:12

410.2.2 RAMPS:
 RAMP WIDTHS SHALL NOT BE LESS THAN THE PLATFORM OPENING
 THEY SERVE

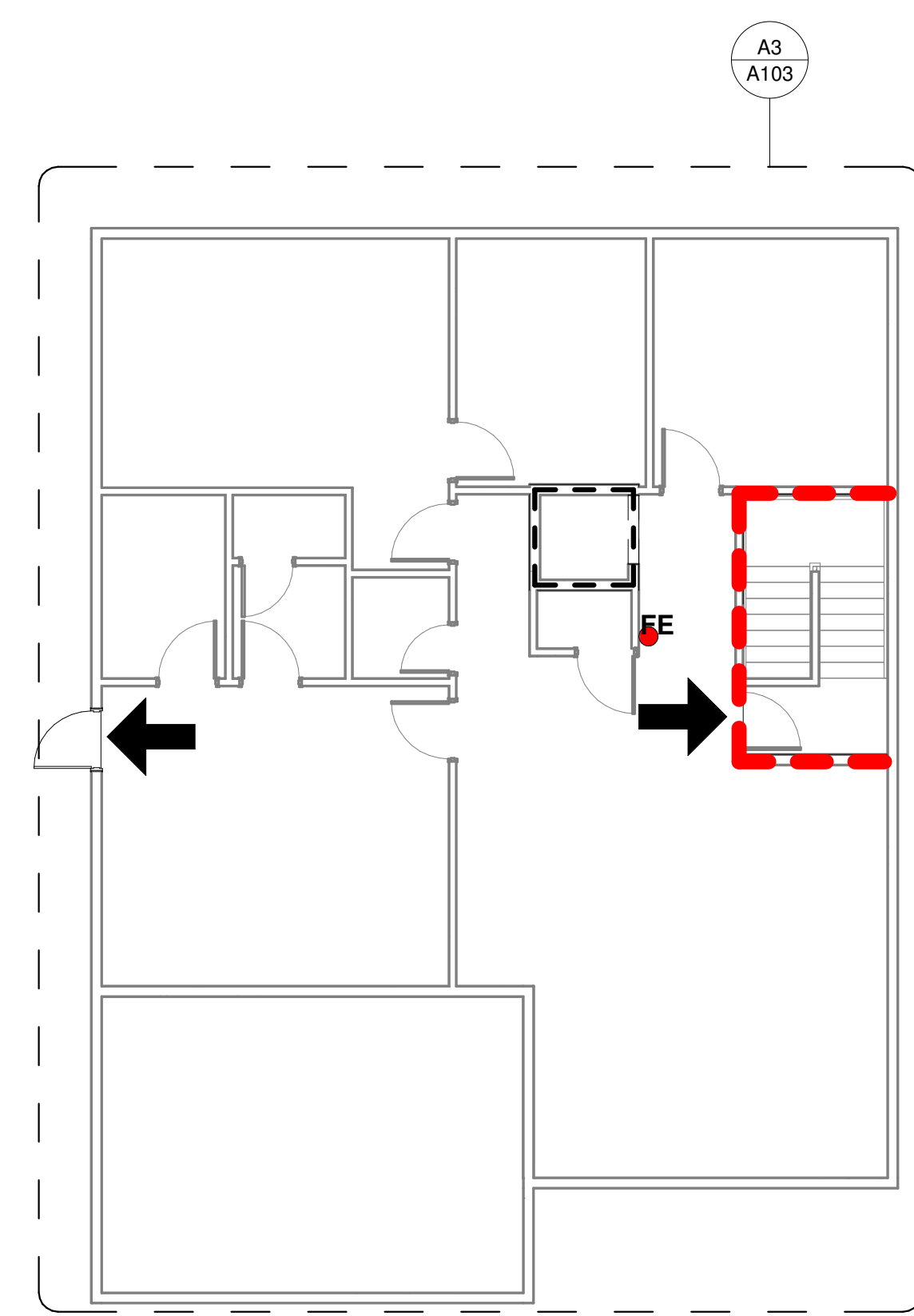
LIFE SAFETY PLAN LEGEND



A1 LS101 BASEMENT LIFE SAFETY
 1/8" = 1'-0"



A2 LS101 FIRST FLOOR LIFE SAFETY
 1/8" = 1'-0"



A3 LS101 SECOND FLOOR LIFE SAFETY
 1/8" = 1'-0"

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KENAITZE INDIAN TRIBE
BIRCH TREE ELEVATOR
 DESIGN
 510 UPLAND STREET

Revisions		
No.	Description	Date

Drawn by Author	Date 19 FEB 2021
Checked Checker	Job No. 21008.01

Sheet Contents
 LIFE SAFETY

Sheet No.
LS101

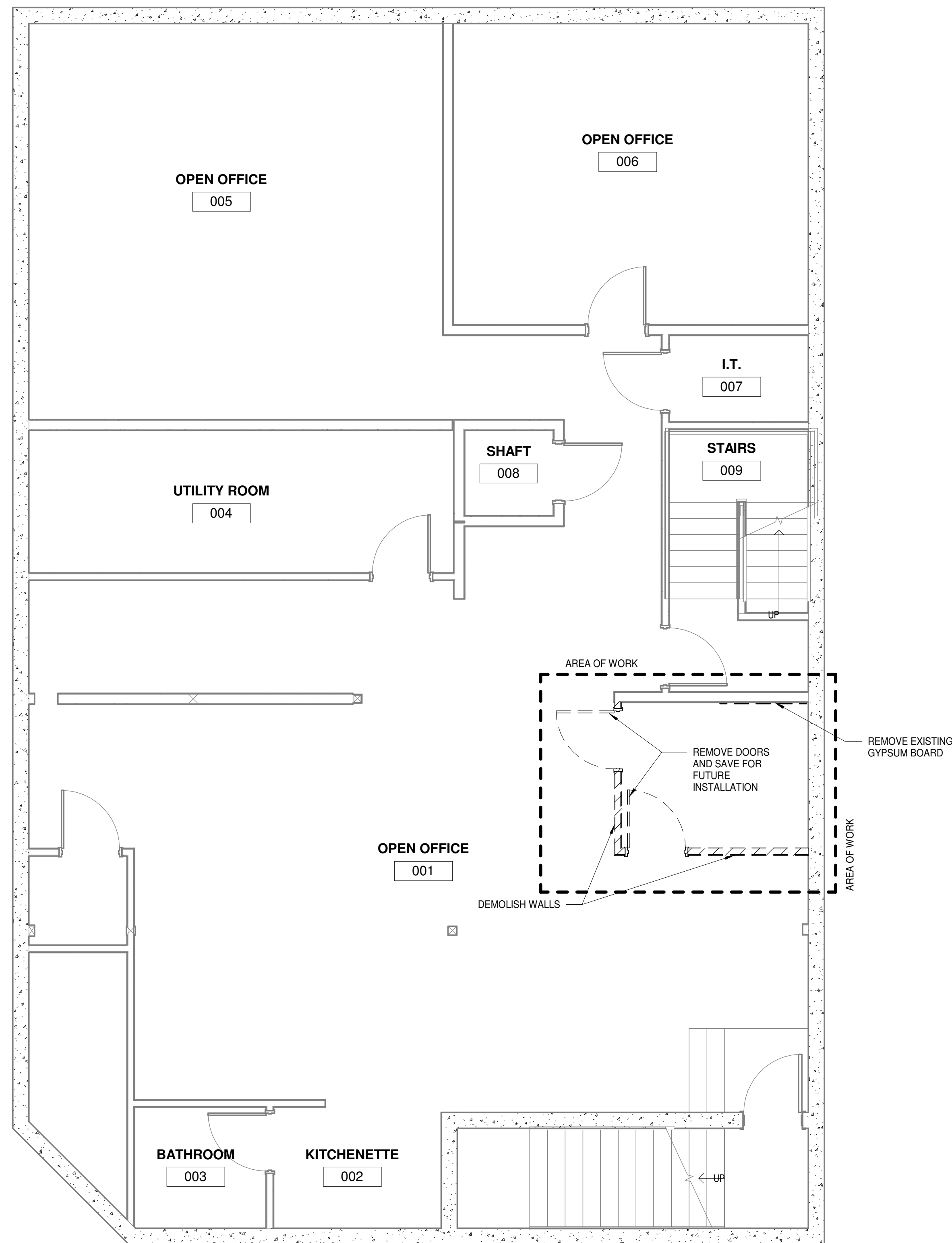
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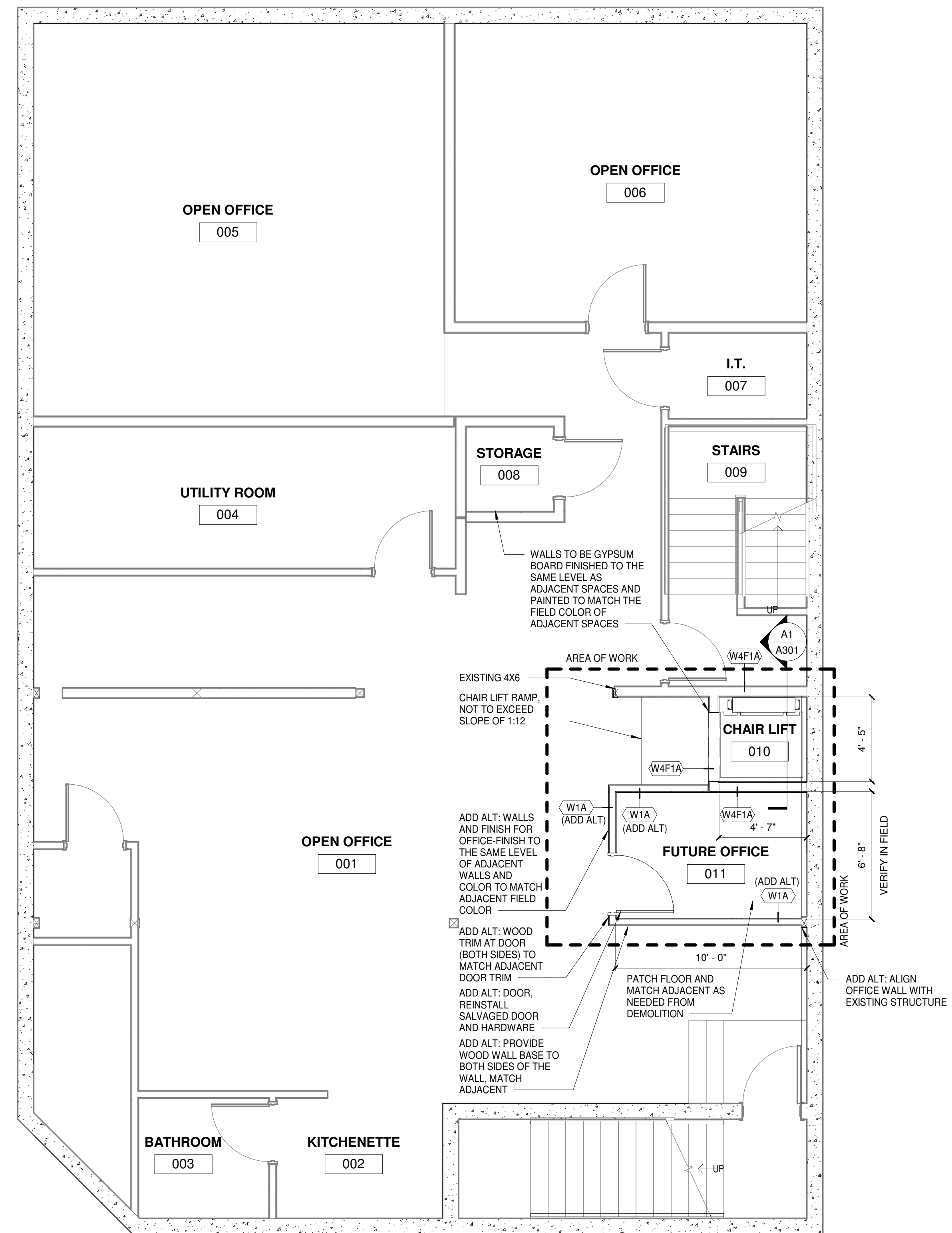
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B

A



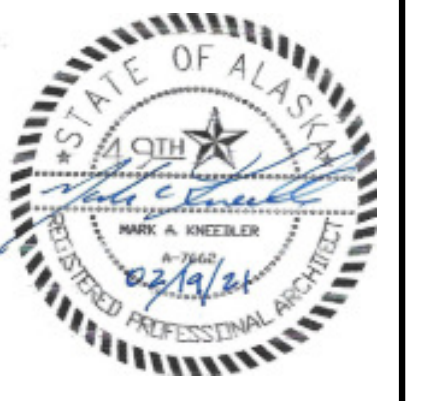
A1 BASEMENT DEMO
A101 1/4" = 1'-0"



A3 BASEMENT
A101 1/4" = 1'-0"



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Sheet Contents
BASEMENT DEMO PLAN
BASEMENT NEW PLAN

Sheet No.
A101

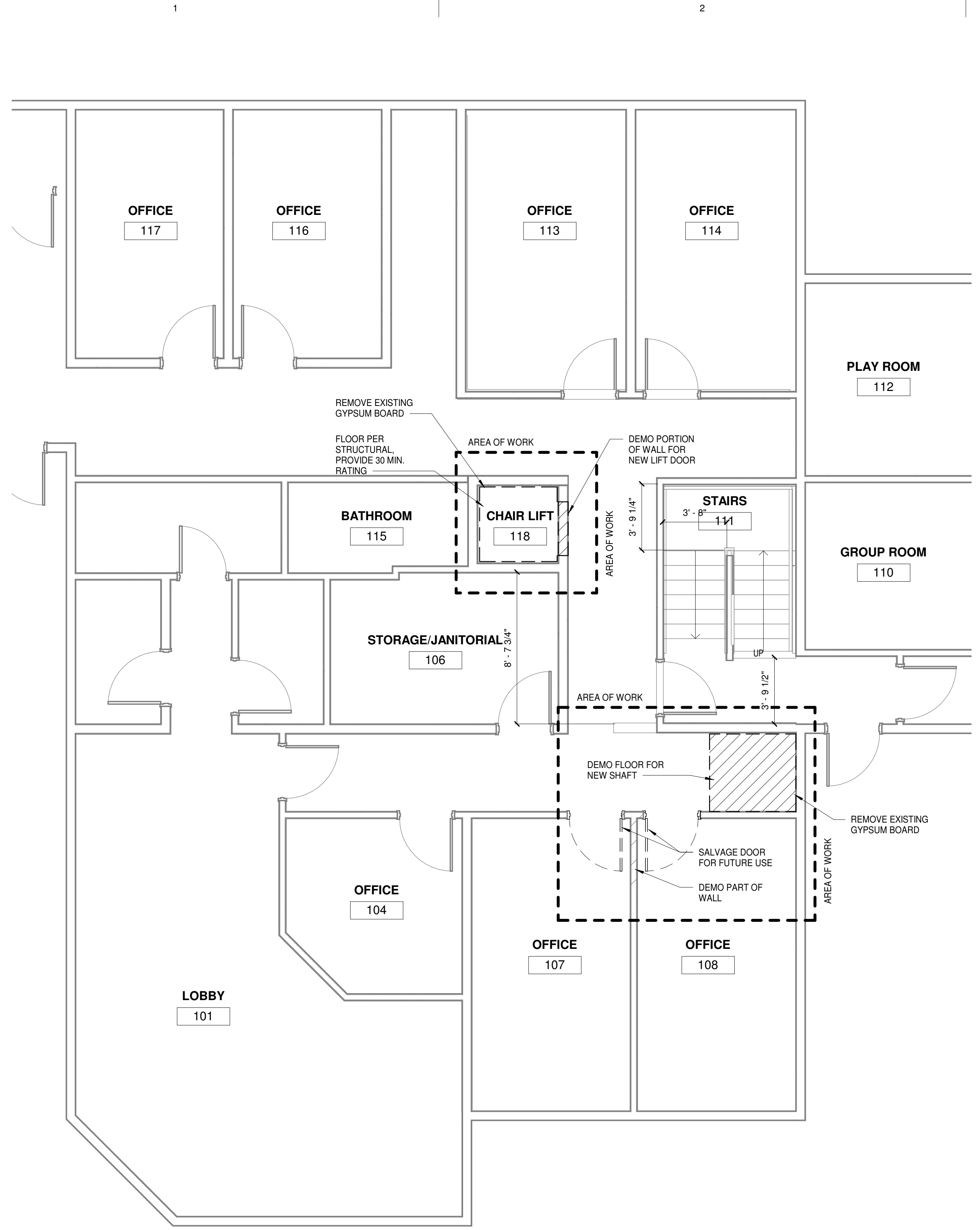
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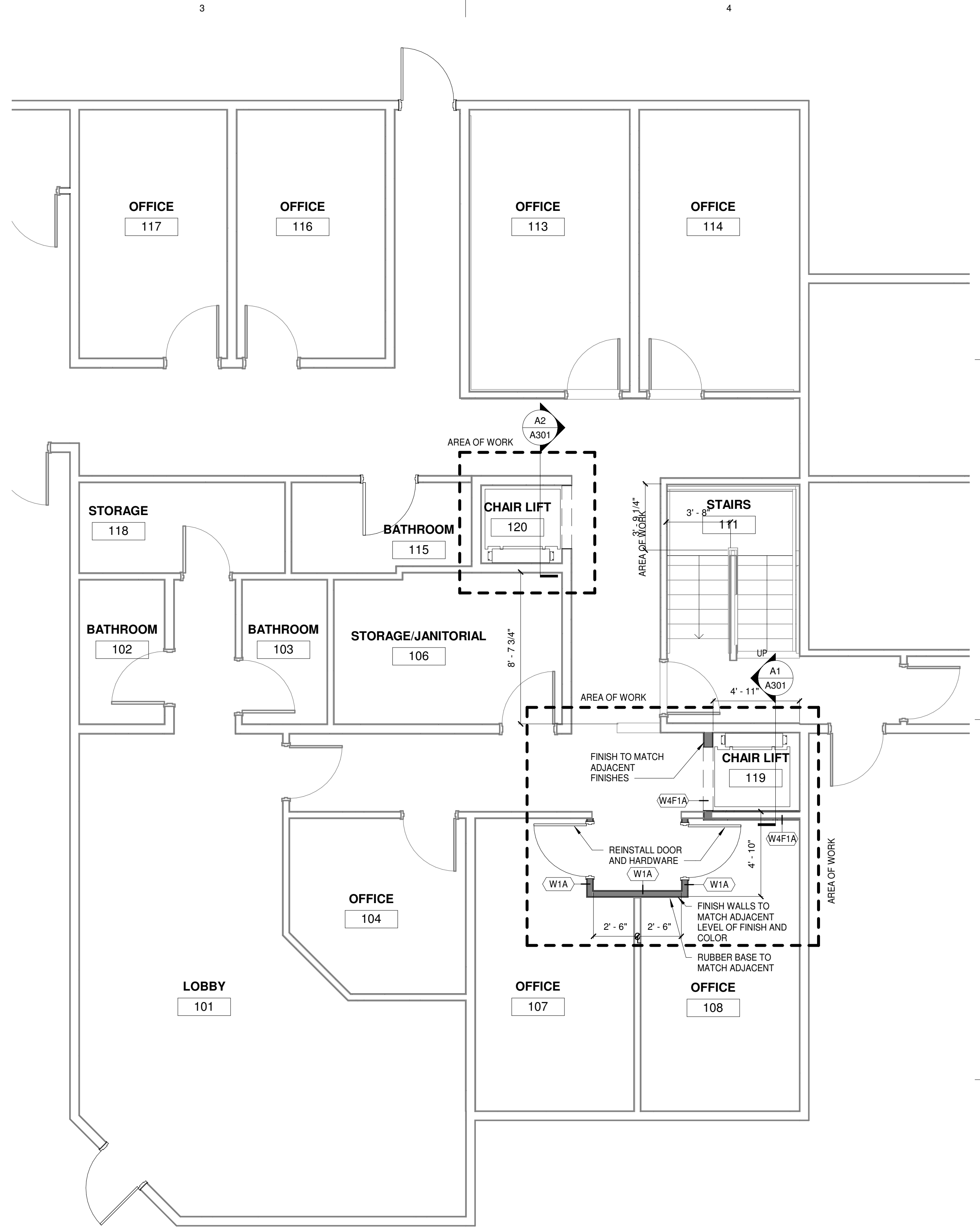
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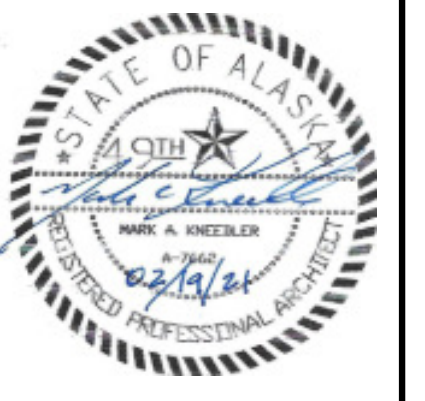


A1
A102
FIRST FLOOR DEMO
1/4" = 1'-0"



A3
A102
FIRST FLOOR
1/4" = 1'-0"

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510 UPLAND STREET

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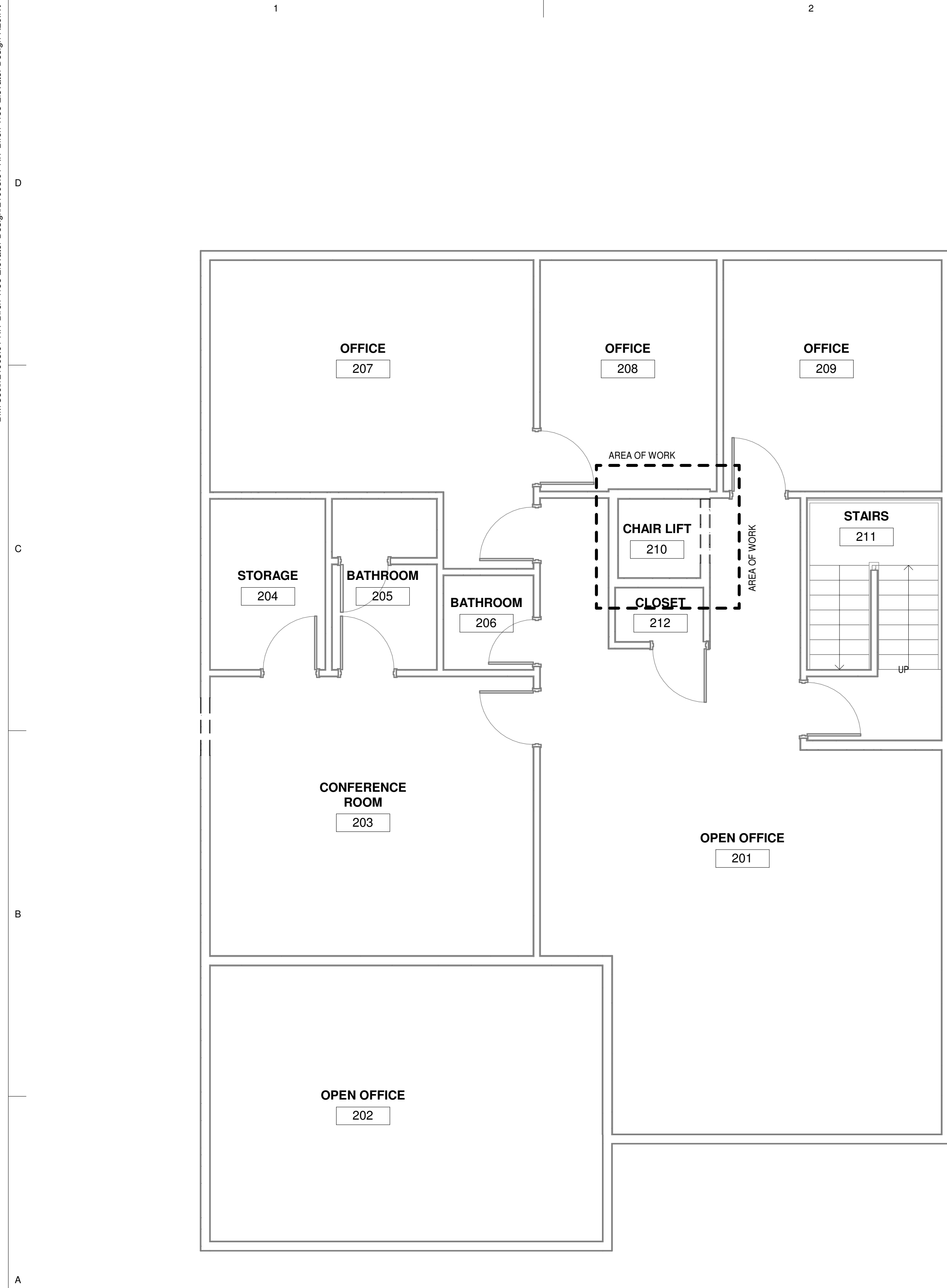
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Sheet Contents
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FIRST FLOOR NEW PLAN

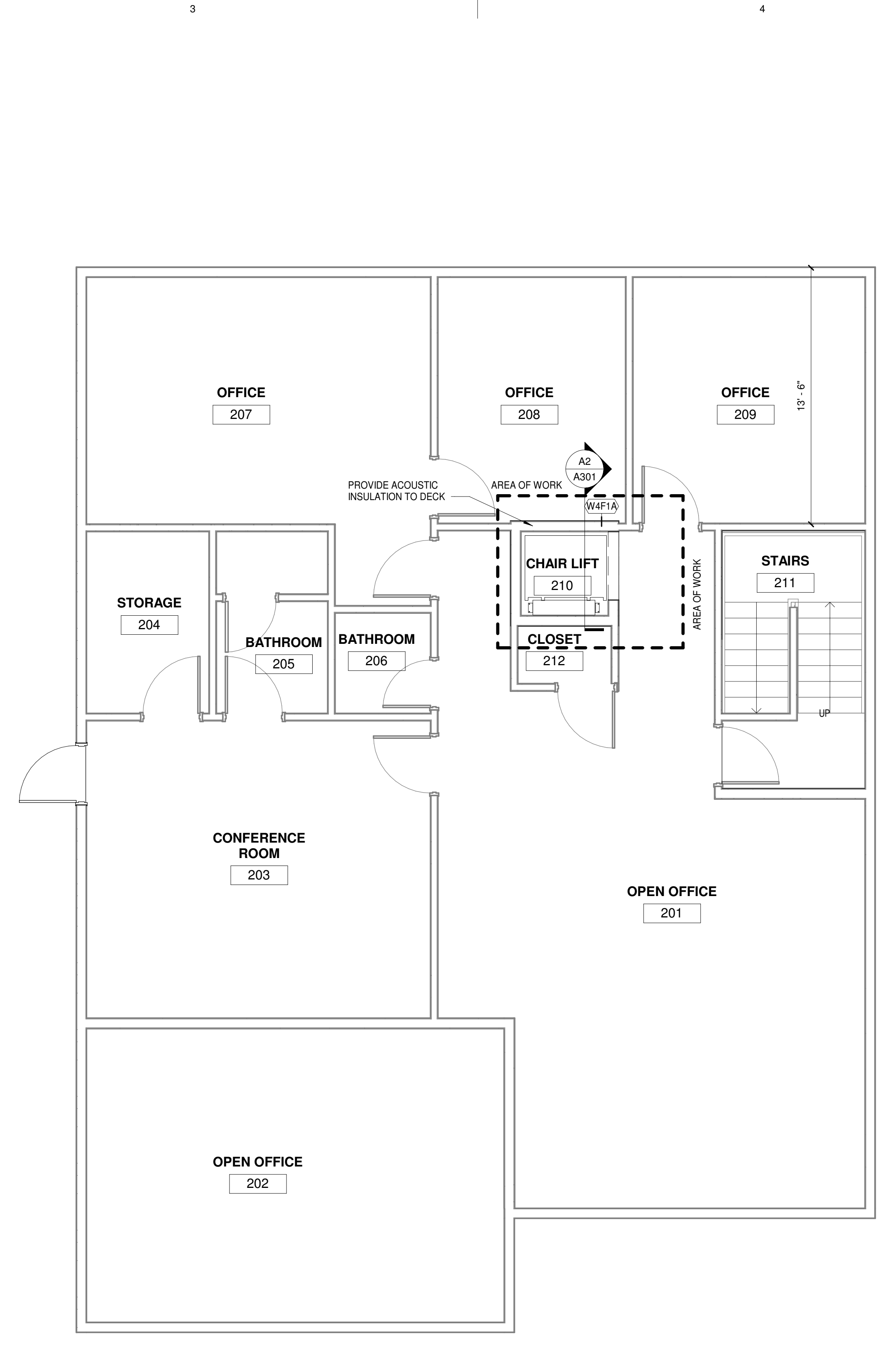
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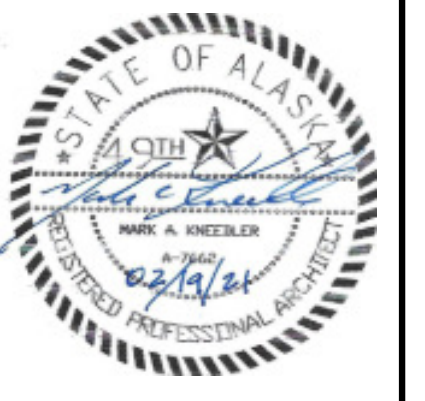
A1
A103 SECOND FLOOR DEMO
 1/4" = 1'-0"



A3
A103 SECOND FLOOR
 1/4" = 1'-0"



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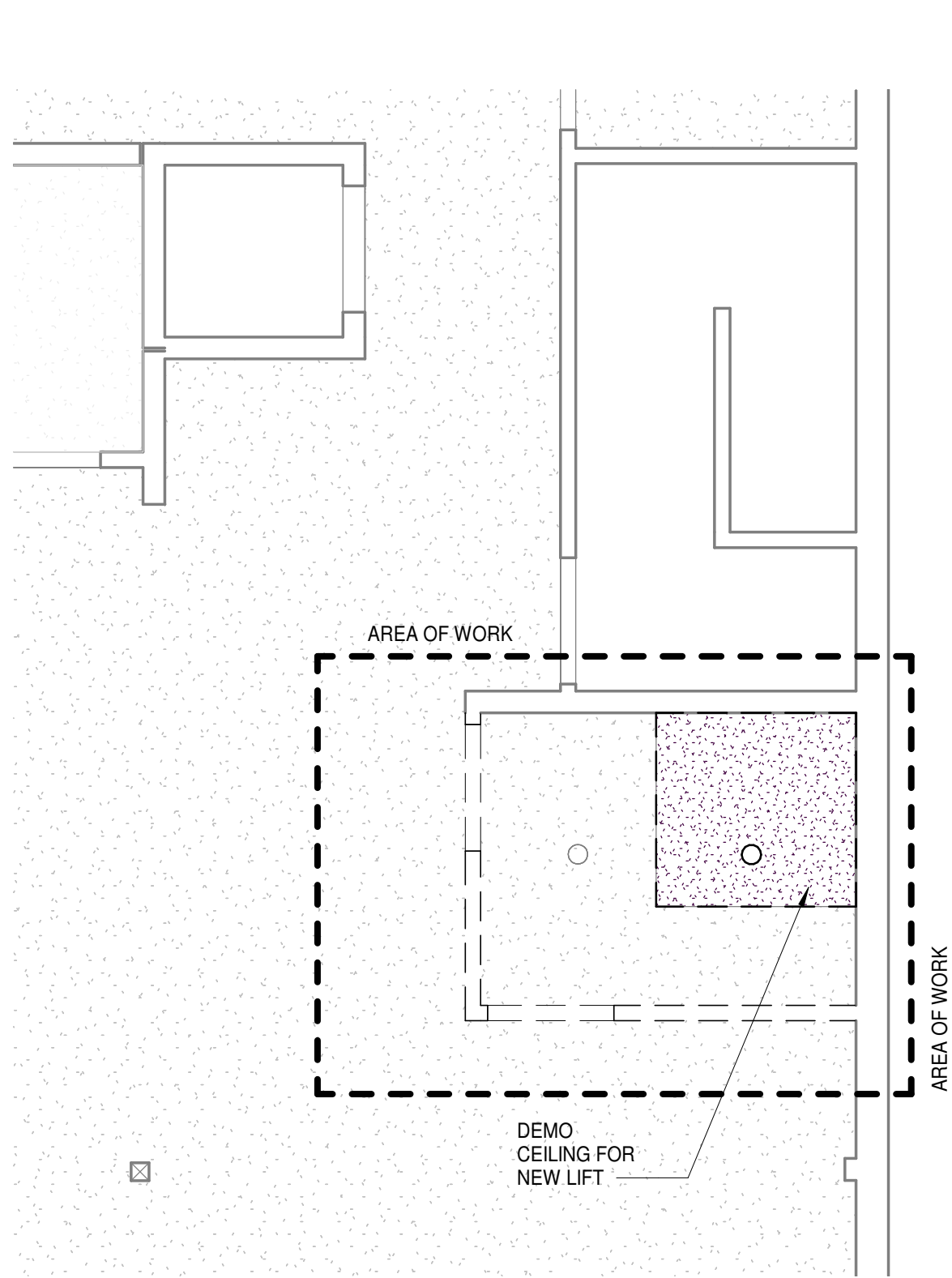
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Sheet Contents
 SECOND FLOOR DEMO PLAN
 SECOND FLOOR NEW PLAN

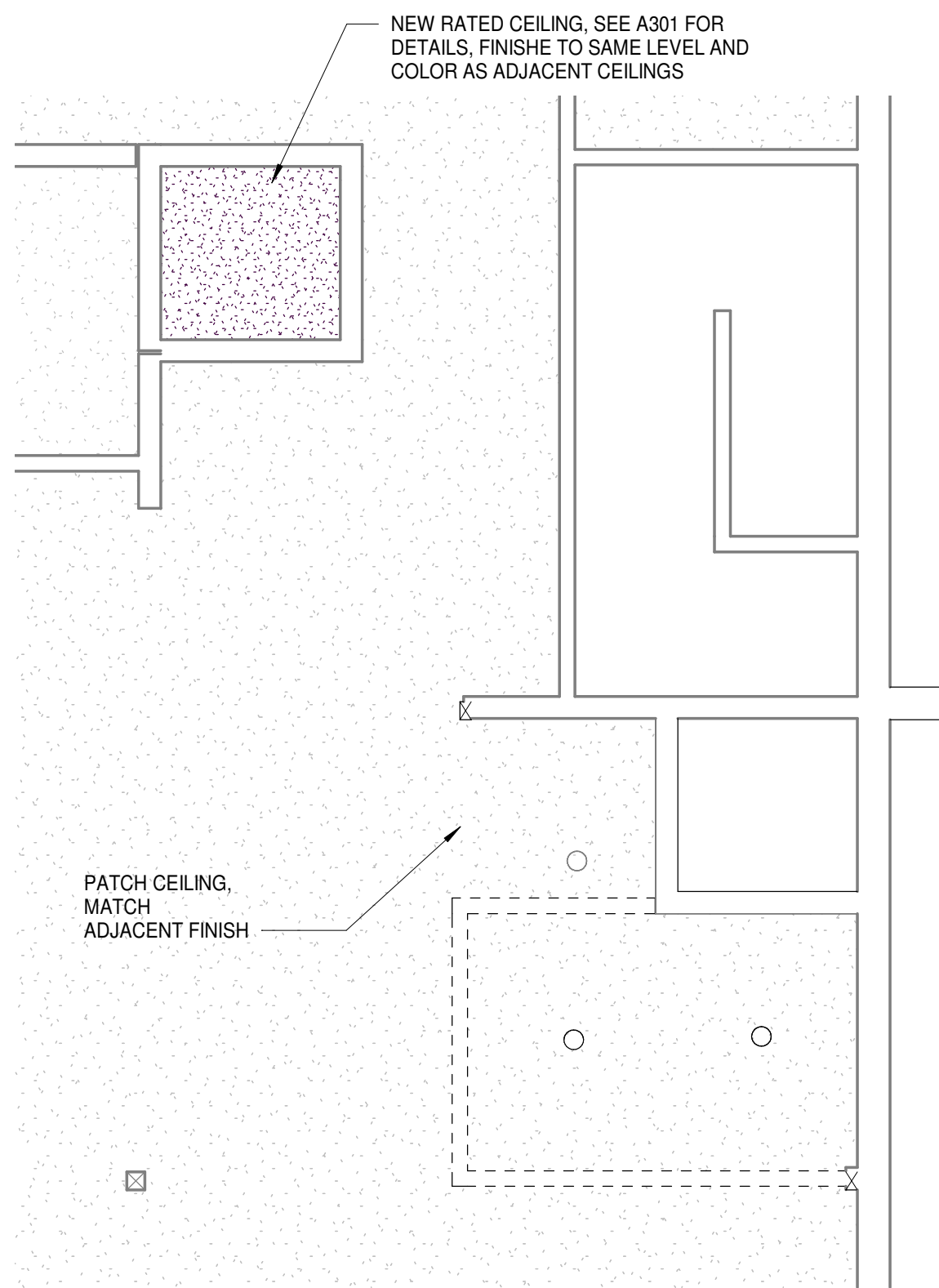
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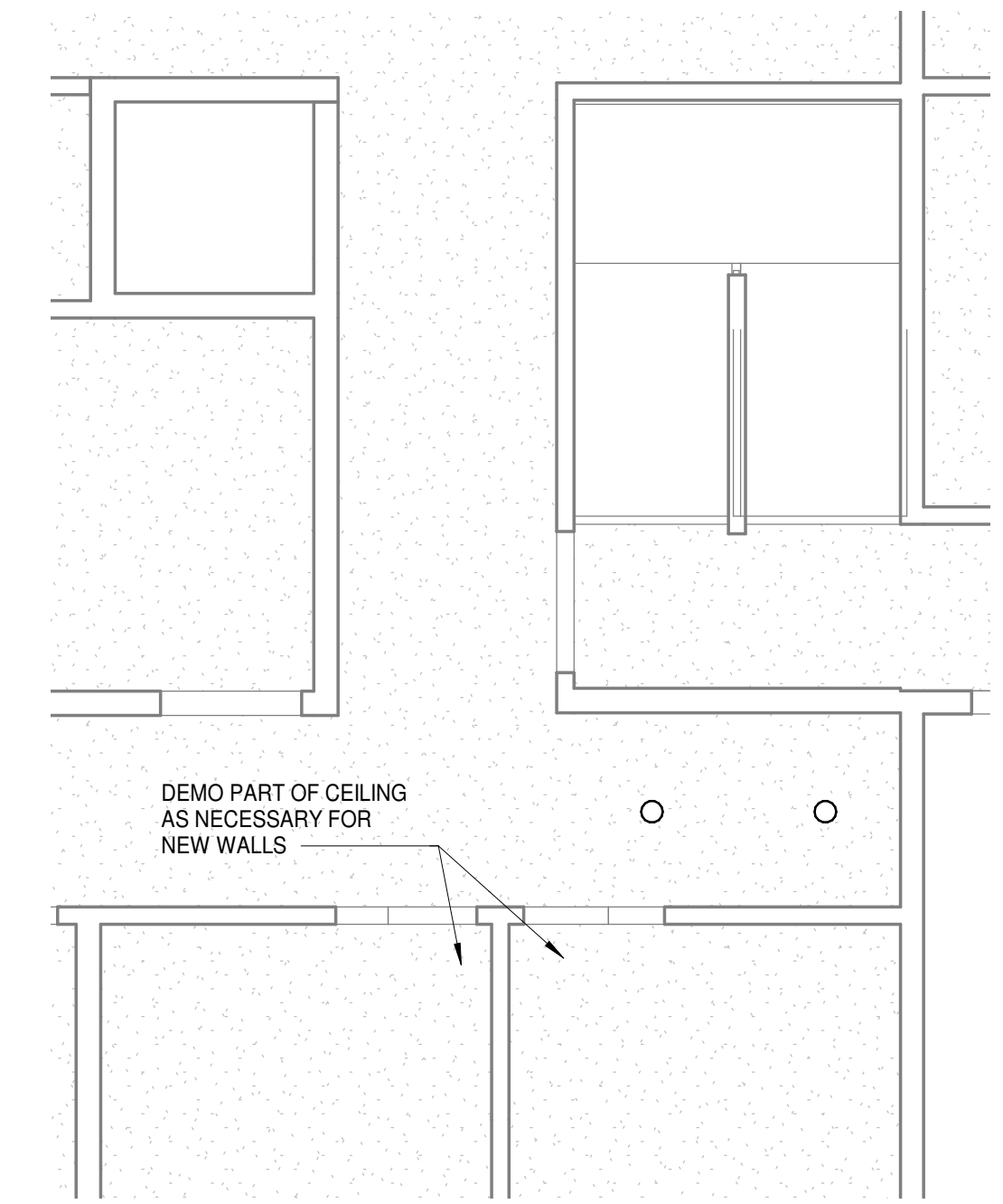
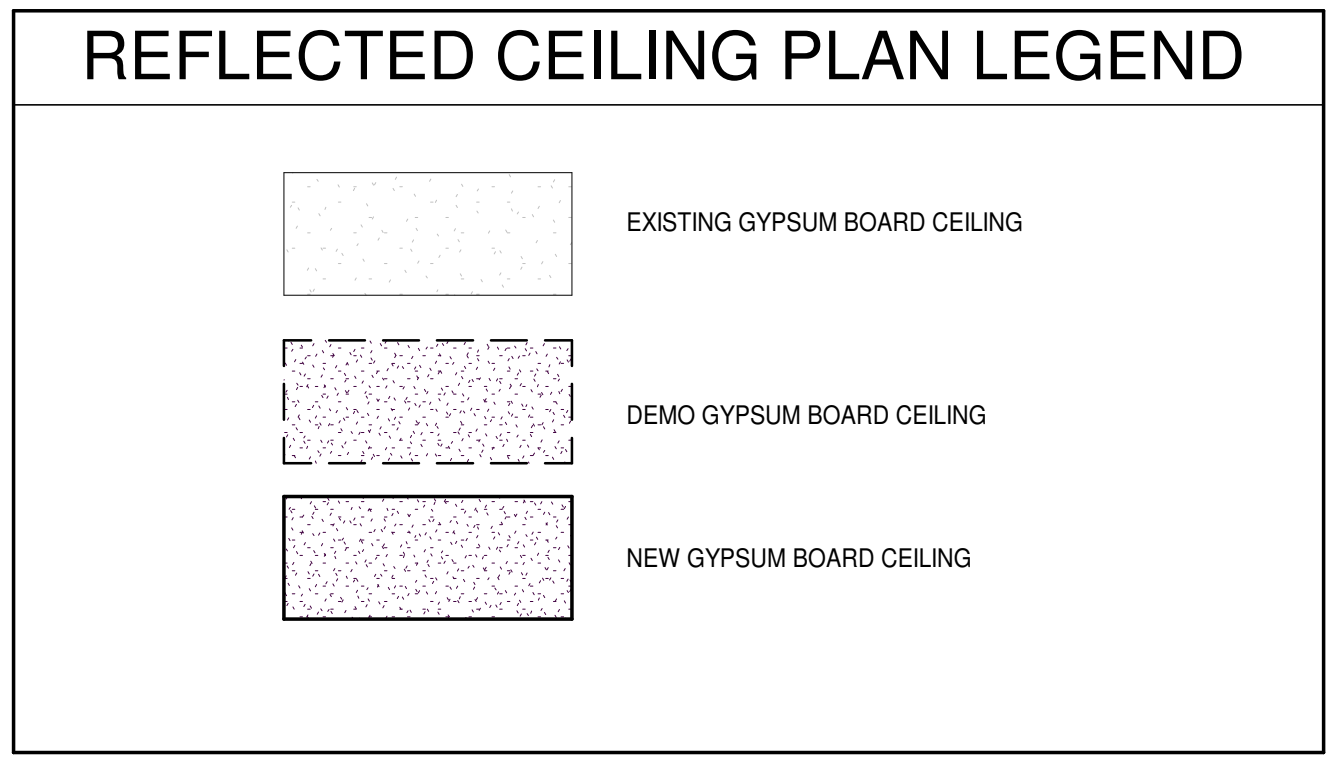
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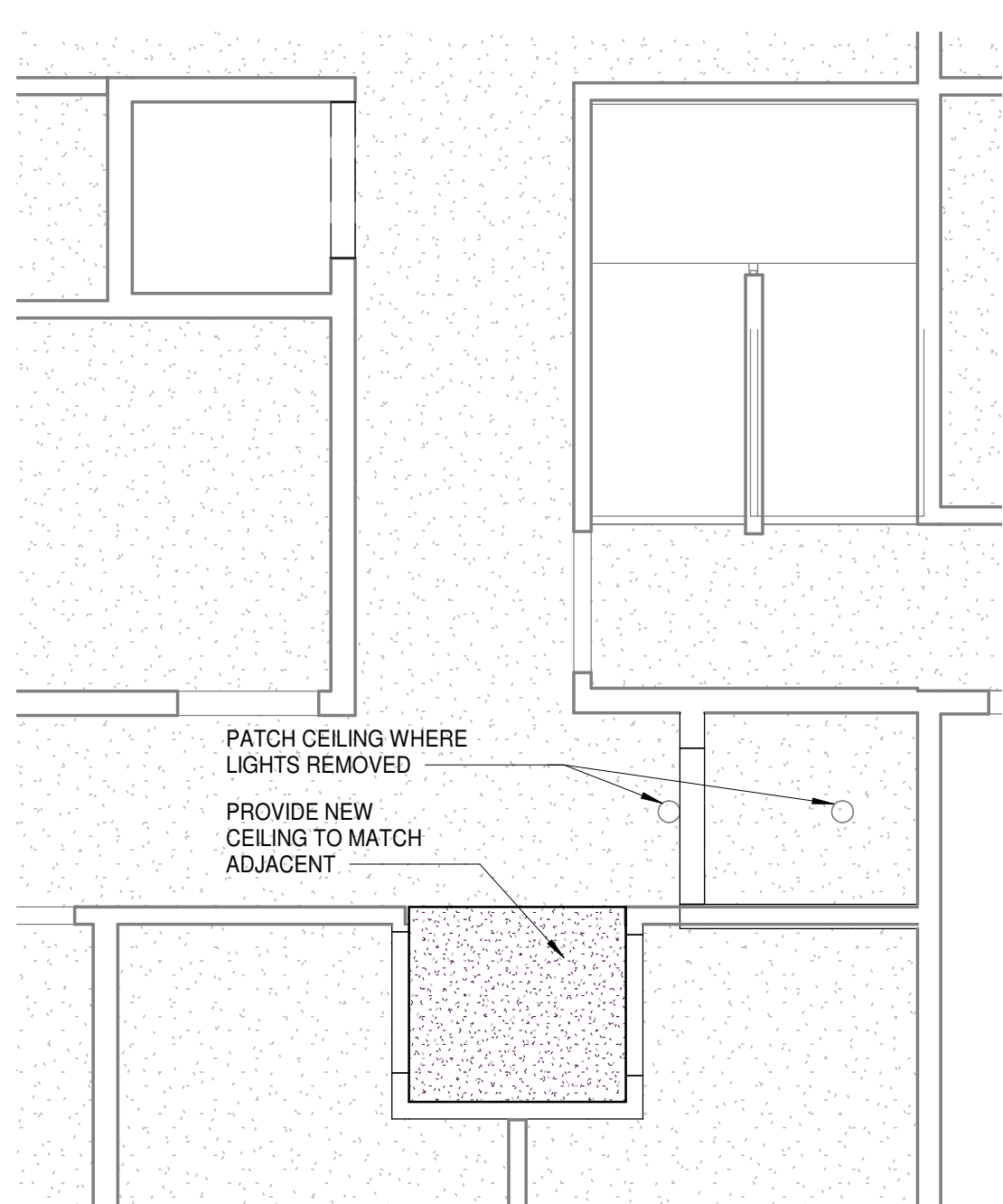
C1 BASEMENT DEMO
A104 1/4" = 1'-0"



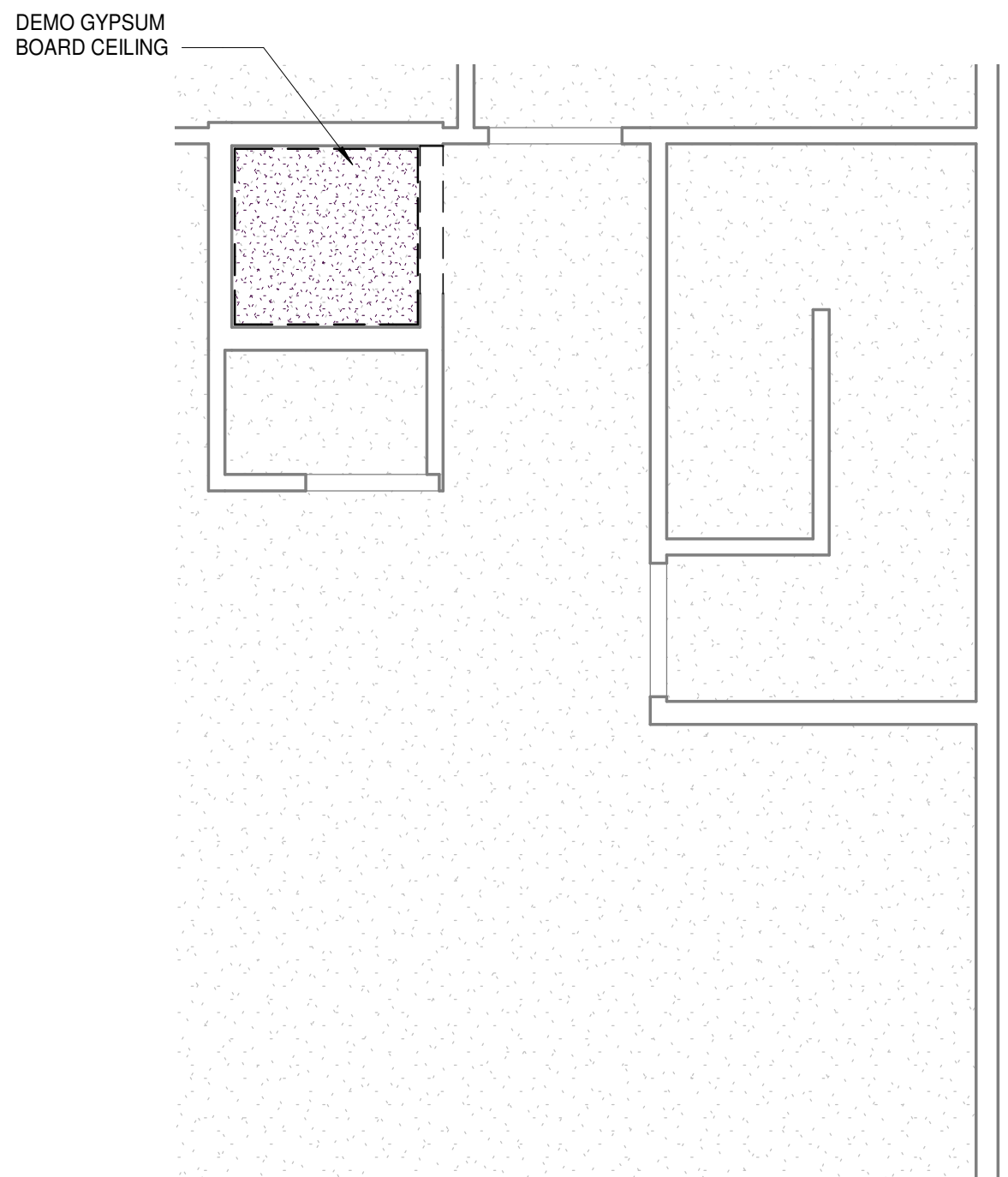
C2 BASEMENT
A104 1/4" = 1'-0"



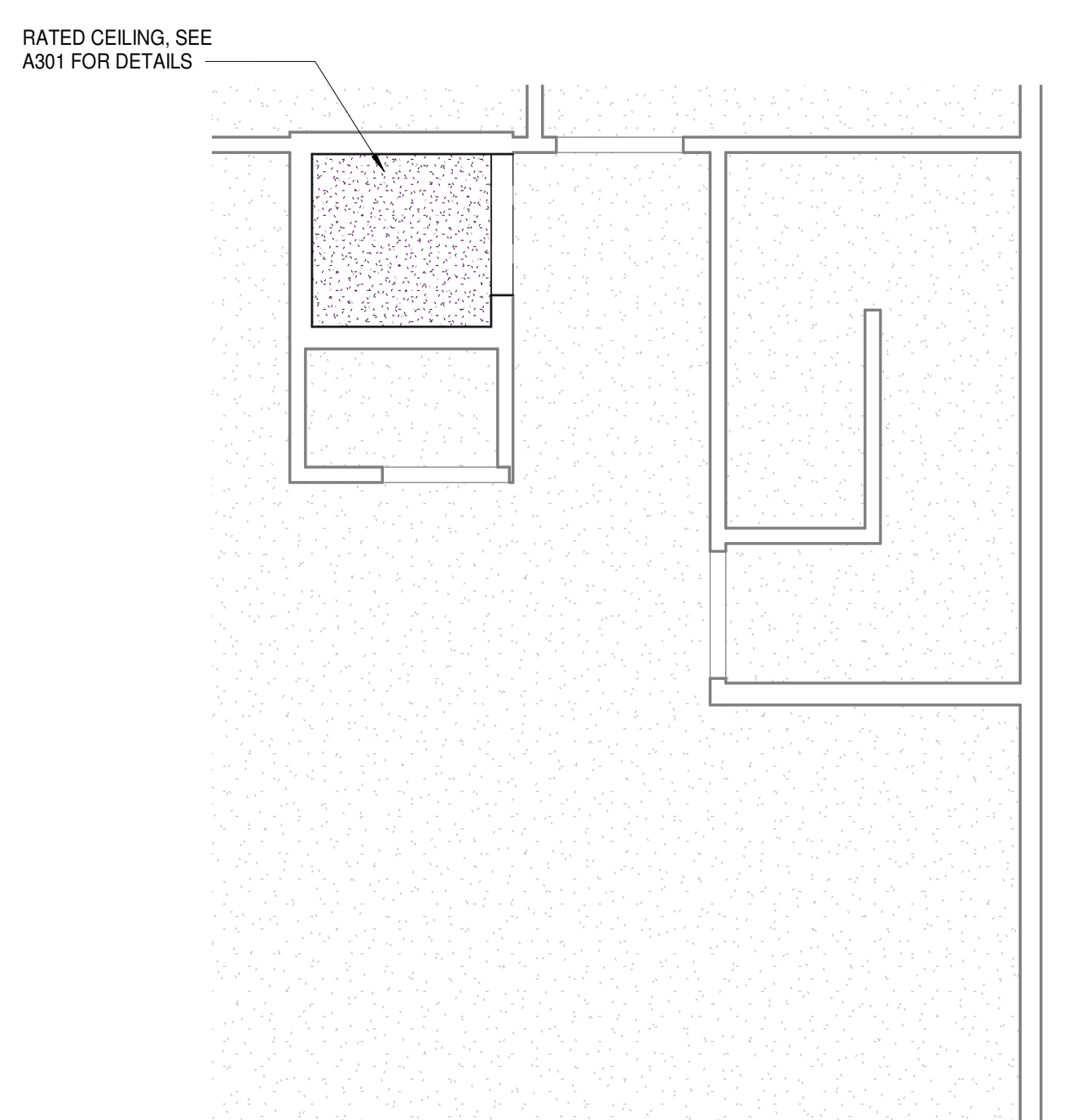
A1 FIRST FLOOR DEMO
A104 1/4" = 1'-0"



A2 FIRST FLOOR
A104 1/4" = 1'-0"

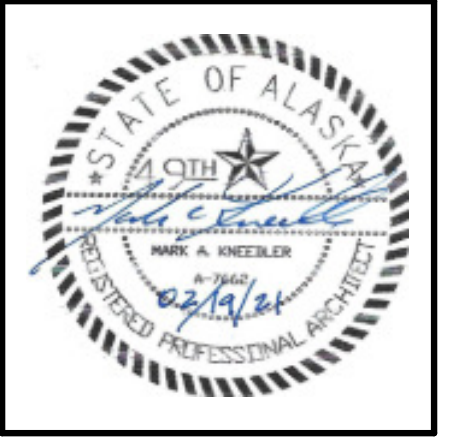


A3 SECOND FLOOR DEMO
A104 1/4" = 1'-0"



A4 SECOND FLOOR
A104 1/4" = 1'-0"

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510 UPLAND STREET

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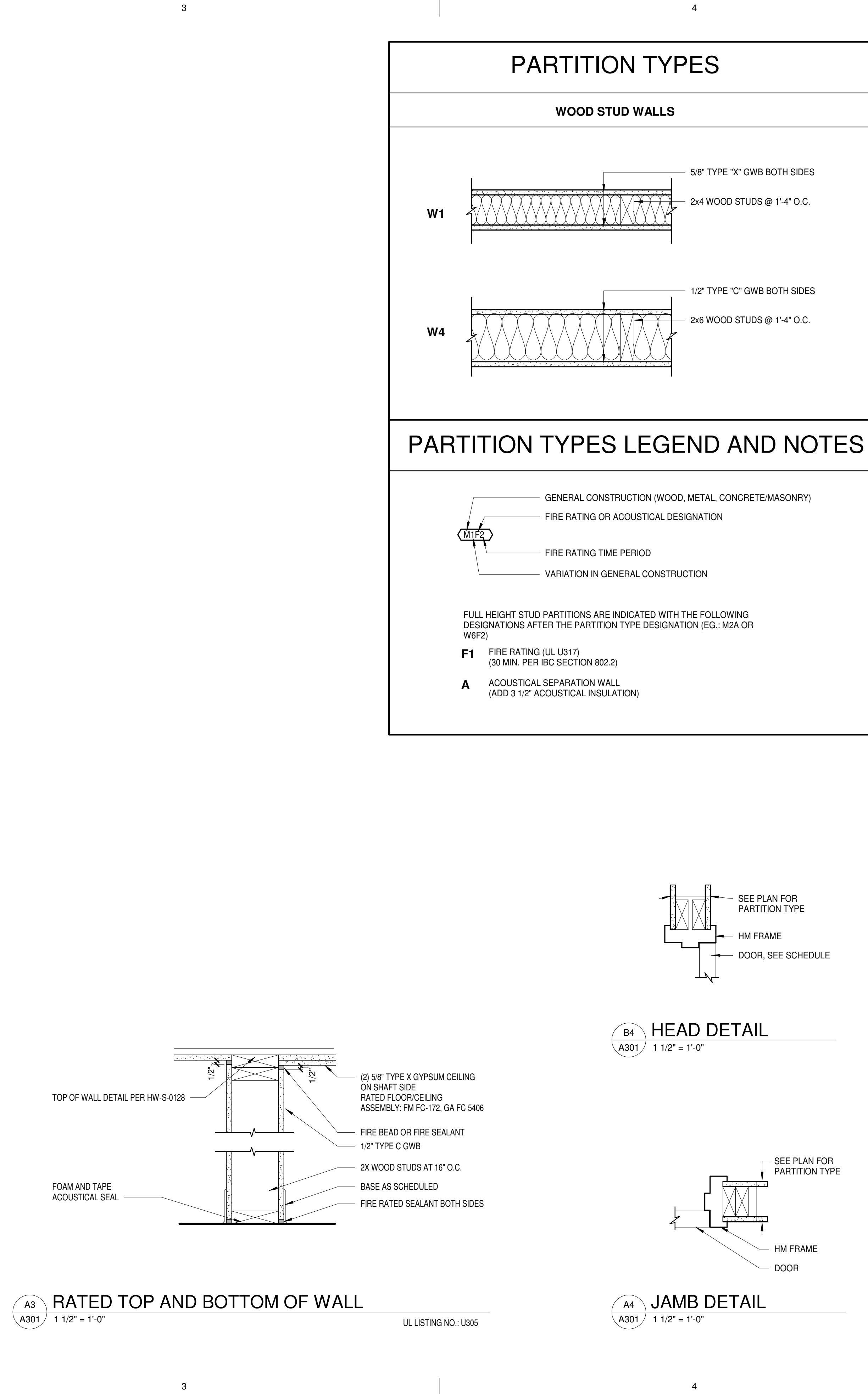
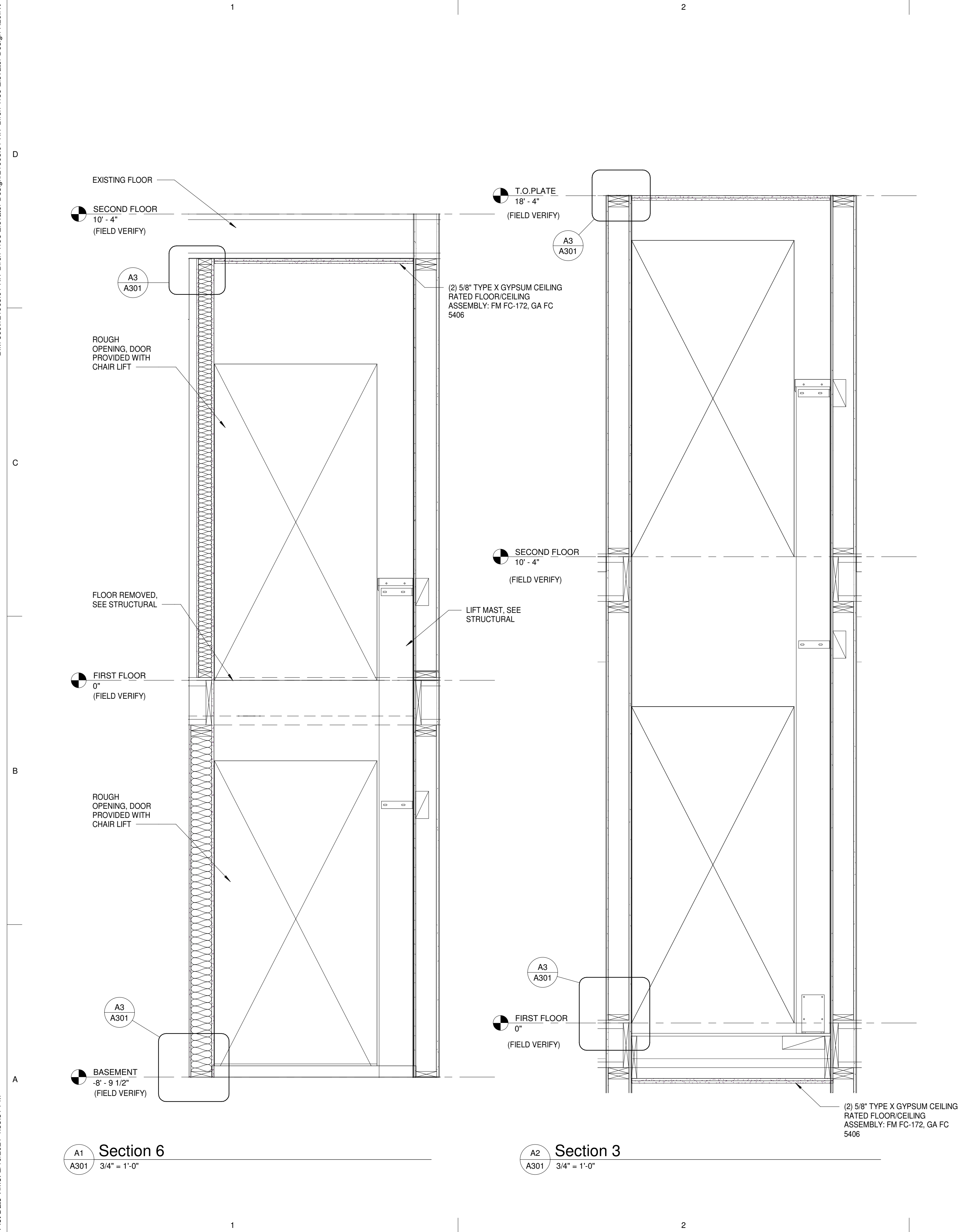
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Sheet Contents
REFLECTED CEILING PLANS

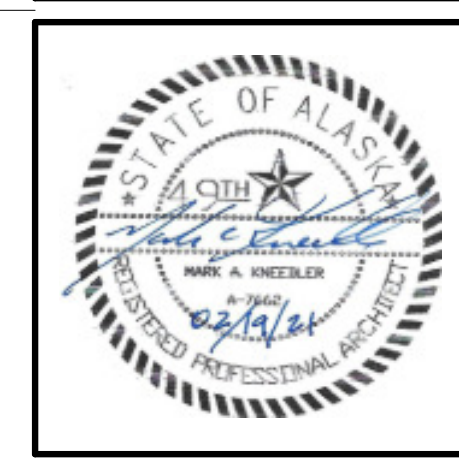
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Sheet Contents
SECTIONS

Sheet No.
A301

Plot Date Time: 2/19/2021 4:33:31 PM

NOTES & SPECIFICATIONS

GENERAL

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF THE INTERNATIONAL CODE COUNCIL INTERNATIONAL BUILDING CODE (IBC) 2018 EDITION. WHERE EXPLICIT DETAILS ARE NOT SHOWN OR DESCRIBED, THE MINIMUM REQUIREMENTS OF THE ABOVE CODE SHALL APPLY. UNLESS OTHERWISE NOTED, ALL CODES, STANDARDS AND OTHER PUBLICATIONS CITED SHALL REFER TO THE LATEST EDITION.

LOCATION

THESE STRUCTURAL DRAWINGS ARE INTENDED FOR THE RENOVATION OF (1) BUILDING IN KENAI, ALASKA.

DESIGN LOADS

IN ADDITION TO DEAD LOADS, THE FOLLOWING LIVE LOADS WERE USED FOR DESIGN:

FLOOR DEAD LOAD: 33 PSF (ASSUMED)

FLOOR LIVE LOAD: 100 PSF (ASSUMED)

NOTE: LOADS PROVIDED ABOVE ARE USED FOR THE DESIGN OF COMPONENTS WITHIN THESE DESIGN DRAWINGS AND MAY NOT BE THE LOADS USED TO DESIGN EXISTING PORTIONS OF THE STRUCTURE.

LIVE AND DEAD LOADS USED IN THIS DESIGN FOR THE TWO LIFTS ARE BASED ON DESIGN DRAWINGS PROVIDED BY GARAVENTA LIFTS, LABELED 88677-AD-A & 88678-AD-A AND DATED FEB 10/21.

SEISMIC: SEISMIC IMPORTANCE FACTOR $I_e = 1.0$
SPECT. RESPONSE ACCEL. $S_s=150\%$, $S_1=60\%$
SITE CLASS D
SPECTRAL RESPONSE COEFF. $S_d = 1.00$
SEISMIC DESIGN CATEGORY D
ASCE 7-16 SECTION 13.3 SEISMIC DEMANDS ON NONSTRUCTURAL COMPONENTS USED FOR DESIGN.

SITE WORK

PREPARATION OF A SAFE AND SUITABLE BUILDING SITE SHALL BE COMPLETED PRIOR TO CONSTRUCTION. NO SITE INVESTIGATION OR SOIL BORINGS WERE PERFORMED BY THE ENGINEER. THE FOUNDATION DESIGN IS BASED ON THE ASSUMPTION THAT SOILS BENEATH THE FOUNDATION ARE WELL DRAINED NON FROST SUSCEPTIBLE SAND OR GRAVEL WITH LOAD CAPACITIES IN ACCORDANCE WITH IBC TABLE 1806.2 ALLOWABLE BEARING CAPACITY OF 2500 PSF WAS USED FOR DESIGN.

ADHESIVE ANCHORING SYSTEM:

THREADED ROD ANCHORS AND REINFORCING BAR DOWELS SHALL BE SET IN HILTI HIT HY 200 ADHESIVE OR ENGINEER APPROVED SUBSTITUTION. ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE ADHESIVE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES. MINIMUM EMBEDMENT IN CONCRETE FOR ALL ANCHORS SHALL BE 6-3/4" FOR 3/4" DIAMETER BOLTS UNLESS NOTED OTHERWISE.

SAWN LUMBER AND TIMBER

LUMBER SHALL CONFORM TO THE CLASSIFICATION, DEFINITION, AND GRADING REQUIREMENTS OF IBC CHAPTER 23 WITH ALLOWABLE UNIT STRESSES AS GIVEN IN THE AMERICAN FOREST & PAPER ASSOCIATION 'NATIONAL DESIGN SPECIFICATION 2012 SUPPLEMENT', TABLE 4A. LUMBER SHALL BE GRADE MARKED BY THE WEST COAST LUMBER INSPECTION BUREAU /WESTERN WOOD PRODUCTS ASSOCIATION.

ITEM	SPECIES
4 X AND LARGER	DOUGLAS FIR #2
BEARING WALL PLATES	HEM FIR #2
BEARING WALL STUDS	HEM FIR #2
ALL OTHER LUMBER	HEM FIR #2

ALL LUMBER SHALL BE FASTENED IN CONFORMANCE WITH TABLE 2304.9.1 OF THE IBC, UNLESS NOTED OTHERWISE. FASTENERS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. FASTEN ALL JOIST BLOCKING TO PLATES WITH (4) 16D MINIMUM AND FASTEN ALL WALL PLATES TO WOOD FLOORS WITH 16D AT 6" ON CENTER TYPICAL. DOUBLE TOP PLATES SHALL OVERLAP 10' - 0" MINIMUM AND SHALL BE SPLICED TOGETHER WITH 16D NAILS AT 6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

PROVIDE JOIST/BEAM HANGERS WITH LOAD CAPACITY EQUAL TO SUPPORTED MEMBER SHEAR LOAD CAPACITY FOR ALL MEMBERS NOT OTHERWISE PROVIDED WITH DIRECT BEARING SUPPORT. PROVIDE A MINIMUM OF (2) KING STUDS AND (2) CRIPPLE STUDS FOR ALL HEADERS. PROVIDE SOLID BLOCKING SUPPORT FOR HEADERS CONTINUOUS DOWN TO FOUNDATIONS UNDER ALL BEAMS AND HEADERS. MINIMUM HEADER OVER OPENINGS SHALL BE 4X10 DF#2 UNLESS NOTED OTHERWISE.

BOLT HEADS AND NUTS BEARING AGAINST WOOD TO BE PROVIDED WITH FLAT WASHERS. SOLID BLOCKING OF NOT LESS THAN 2" NOMINAL THICKNESS SHALL BE PROVIDED AT ENDS AND AT ALL SUPPORTS OF JOISTS AND RAFTERS, UNLESS SHOWN OTHERWISE. BEAM AND JOIST HANGERS SHALL HAVE A CAPACITY EQUAL TO THE SHEAR STRENGTH OF THE BEAM OR JOIST WHICH IT IS SUPPORTING, UNLESS NOTED OTHERWISE. ALL METAL FRAMING ANCHORS AND HANGERS SHOWN ON DRAWINGS SHALL BE "STRONG TIE CONNECTORS" AS MANUFACTURED BY SIMPSON COMPANY OR APPROVED EQUAL. ALL NAILS AND SIMPSON CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE TYPE 304 OR TYPE 316 STAINLESS STEEL.

PLYWOOD

ALL PLYWOOD SHALL CONFORM TO IBC STANDARD 23-2 AND SHALL BE AMERICAN PLYWOOD ASSOCIATION GRADE TRADE MARKED. PLYWOOD SHALL BE GROUP I OR GROUP II DOUGLAS FIR. ALL PANELS SHALL BE NOMINAL 4' X 8' PANELS. UTILIZE FULL SHEETS WHEREVER POSSIBLE. LAY FACE GRAIN OF ROOF AND FLOOR SHEATHING PANELS PERPENDICULAR TO JOISTS AND WITH PANEL CONTINUOUS OVER THREE OR MORE SPANS. STAGGER END JOINTS OF SUCCESSIVE COURSES 4' - 0". WALL SHEATHING SHALL BE INSTALLED WITH THE FACE GRAIN PARALLEL TO STUDS, (LONG DIMENSION VERTICAL).

FLOOR SHEATHING: SHALL BE 3/4" THICK APA RATED 40/20 SPAN RATED TONGUE AND GROOVE PLYWOOD UNDERLAYMENT WITH EXTERIOR GLUE. FLOOR SHEATHING SHALL BE GLUED AND SCREWED TO SUPPORTS WITH 2 1/2" X #6 TYPE C COARSE THREAD GRIPPERS AT 6" O/C. FASTEN FLOOR SHEATHING TO BLOCKING PANELS AND WALL PLATES AT 4" O/C WITH DESIGNATED FASTENERS. BREAK ROWS OF PANELS A MINIMUM OF 2' FROM ENDS OF JOISTS AT INTERIOR LOCATIONS.

SPECIAL INSPECTION

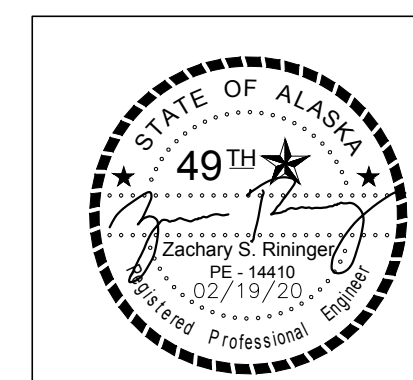
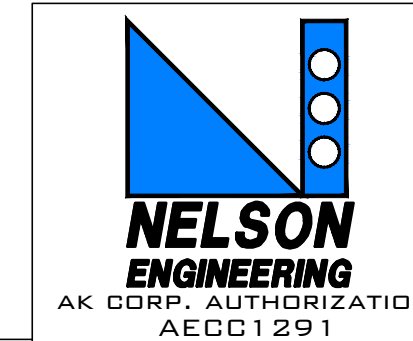
NO SPECIAL INSPECTION IS REQUIRED FOR THIS PROJECT.

GENERAL ABBREVIATIONS LIST

AB	-ANCHOR BOLT	LVL	-LAMINATED VENEER LUMBER
AL	-ALUMINUM	MAX	-MAXIMUM
ARCH	-ARCHITECT	MFR	-MANUFACTURER
C	-STRUCTURAL CHANNEL	MIN.	-MINIMUM
CFMU	-CONCRETE FORM MASONRY UNIT	N/A	-NOT AVAILABLE
CL (C)	-CENTERLINE	NFS	-NON-FROST SUSCEPTIBLE
CMU	-CONCRETE MASONRY UNIT	N.T.S.	-NOT TO SCALE
CONC	-CONCRETE	O/C	-ON CENTER
CONT	-CONTINUOUS	O.D.	-OUTSIDE DIMENSION
D	-DEEP	OSB	-ORIENTATED STRAND BOARD
DF	-DOUGLAS FIR	PL (R)	-PLATE
DIM	-DIMENSION	POI	-POINT OF INTERSECTION
ELEC	-ELECTRICAL	PSF	-POUNDS PER SQUARE FOOT
E.O.C.	-EDGE OF CONCRETE	PSI	-POUNDS PER SQUARE INCH
E/W	-EACH WAY	PT	-PRESSURE TREATED
EXIST	-EXISTING	R	-RADIUS
FDN	-FOUNDATION	REQ'D	-REQUIRED
F.F.	-FINISH FLOOR	SCH	-SCHEDULE
F.G.	-FINISH GRADE	SHT	-SHEET
FT	-FEET	SIM.	-SIMILAR
FTG	-FOOTING	S.S.	-STAINLESS STEEL
GA	-GAUGE	STL	-STEEL
GALV	-GALVANIZED	SQ.	-SQUARE
GL	-GRIDLINE	T	-TALL
GLB	-GLULAM BEAM	T&B	-TOP AND BOTTOM
GLULAM	-GLUE LAMINATED TIMBER	T.B.D.	-TO BE DETERMINED
H	-HEIGHT	T&G	-TONGUE AND GROOVE
HDG	-HOT-DIPPED GALVANIZED	T.O.S.	-TOP OF STEEL
HDPE	-HIGH DENSITY POLYETHYLENE	T.O.W.	-TOP OF WALL
HDR	-HEADER	T.R.	-THREADED ROD
HORIZ	-HORIZONTAL	TYP.	-TYPICAL
HSS	-HOLLOW STRUCTURAL SECTION	U.N.O.	-UNLESS NOTED OTHERWISE
I.B.C.	-INTERNATIONAL BUILDING CODE	VERT.	-VERTICAL
ICF	-INSULATED CONCRETE FORM	W	-WIDE FLANGE BEAM
I.D.	-INNER DIMENSION	W	-WIDTH
IN.	-INCH	W/	-WITH
L	-STEEL ANGLE	W/O	-WITH OUT
L	-LENGTH	WWM	-WELDED WIRE MESH
LF	-LINEAR FEET		



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510 UPLAND STREET

Revisions

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Checked ZSR	Job No. 2021007

Sheet Contents

NOTES & SPECIFICATIONS

Sheet No.

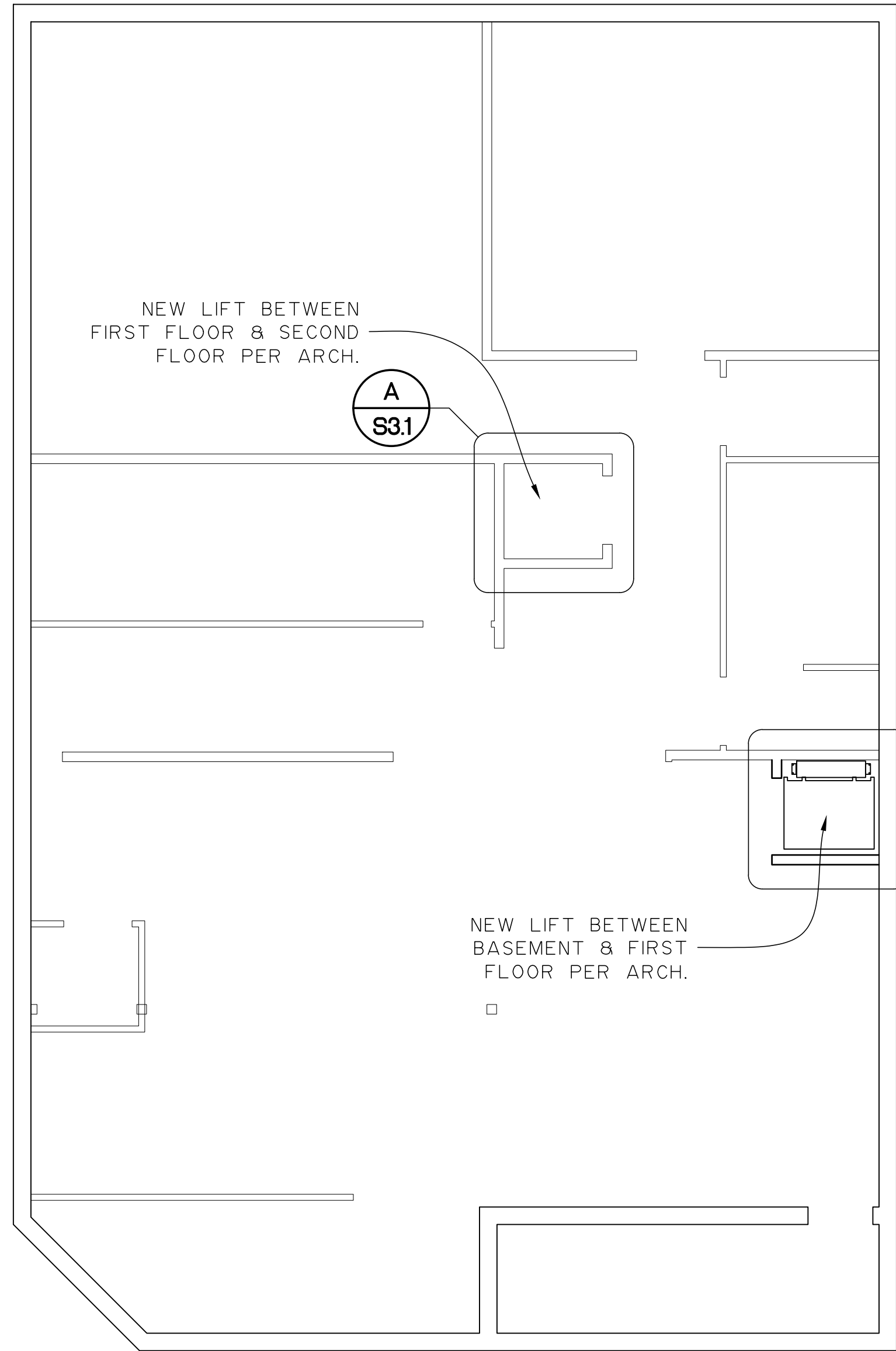
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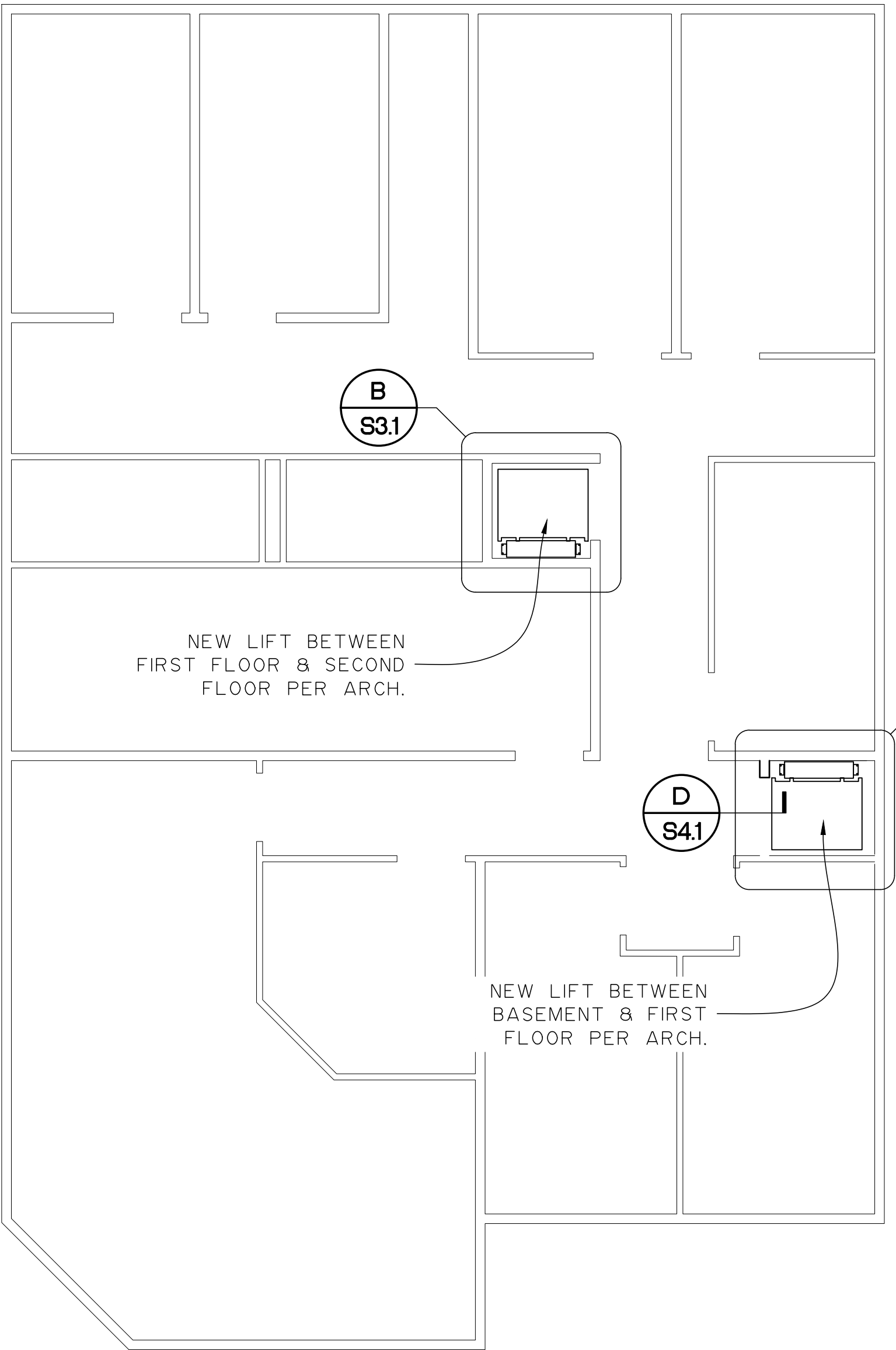
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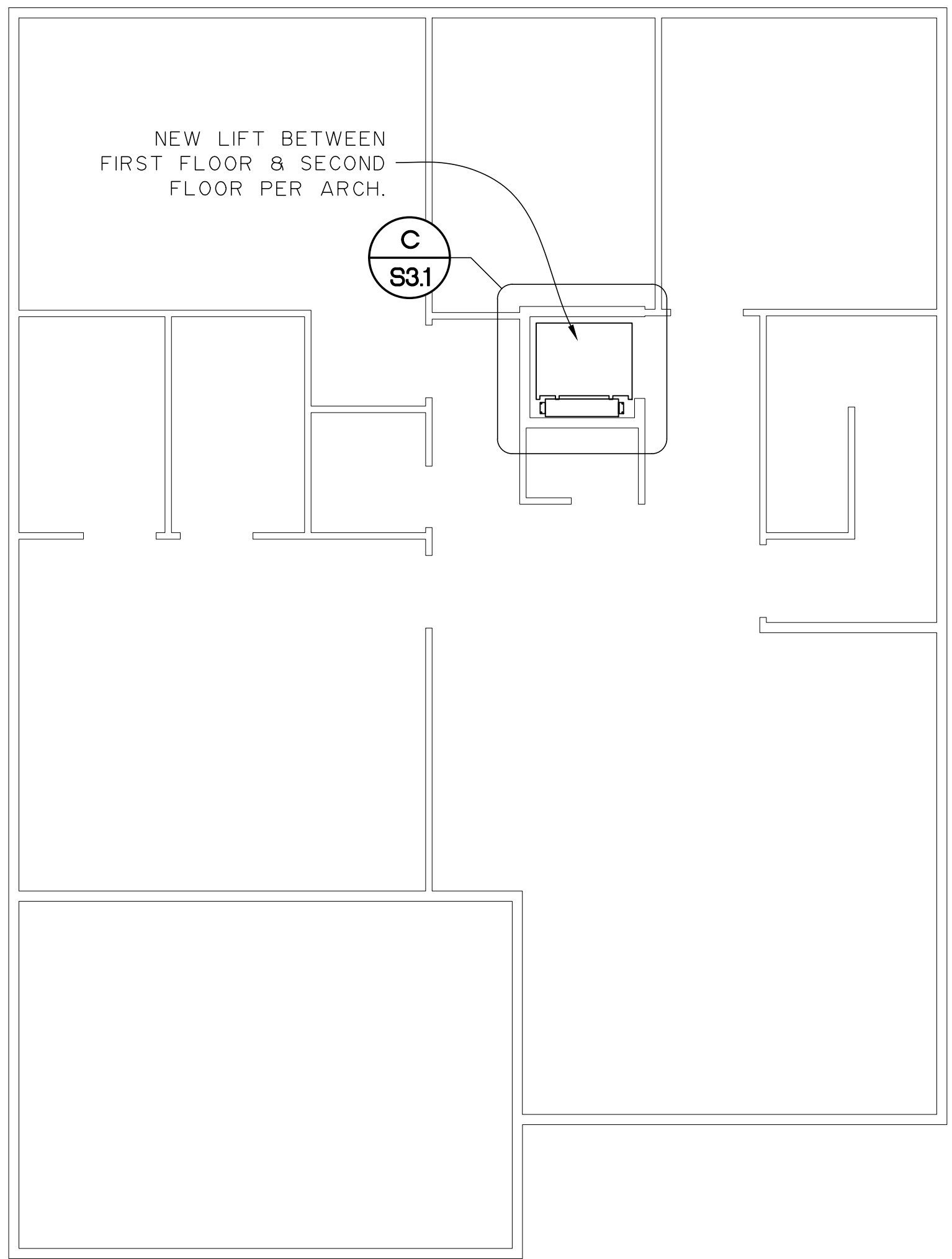
KENAITZE INDIAN TRIBE
BIRCH TREE ELEVATOR
 DESIGN
 510 UPLAND STREET



A
S2.1 **BASEMENT FLOOR PLAN**
 SCALE: 3/16"=1'-0" (22x34)/ 3/32"=1'-0" (11x17)



B
S2.1 **1ST FLOOR PLAN**
 SCALE: 3/16"=1'-0" (22x34)/ 3/32"=1'-0" (11x17)



C
S2.1 **2ND FLOOR PLAN**
 SCALE: 3/16"=1'-0" (22x34)/ 3/32"=1'-0" (11x17)

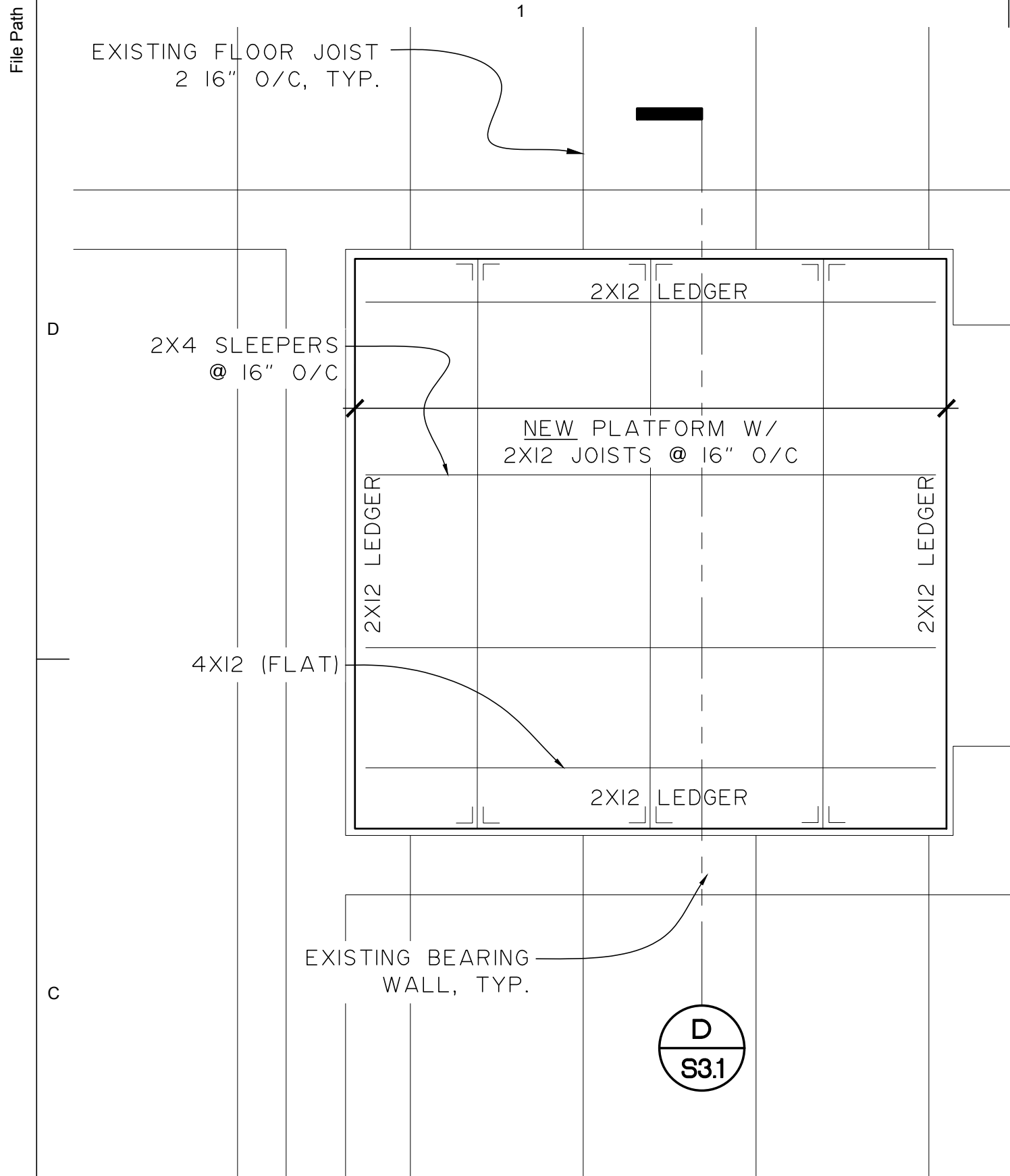
Revisions

No.	Description	Date

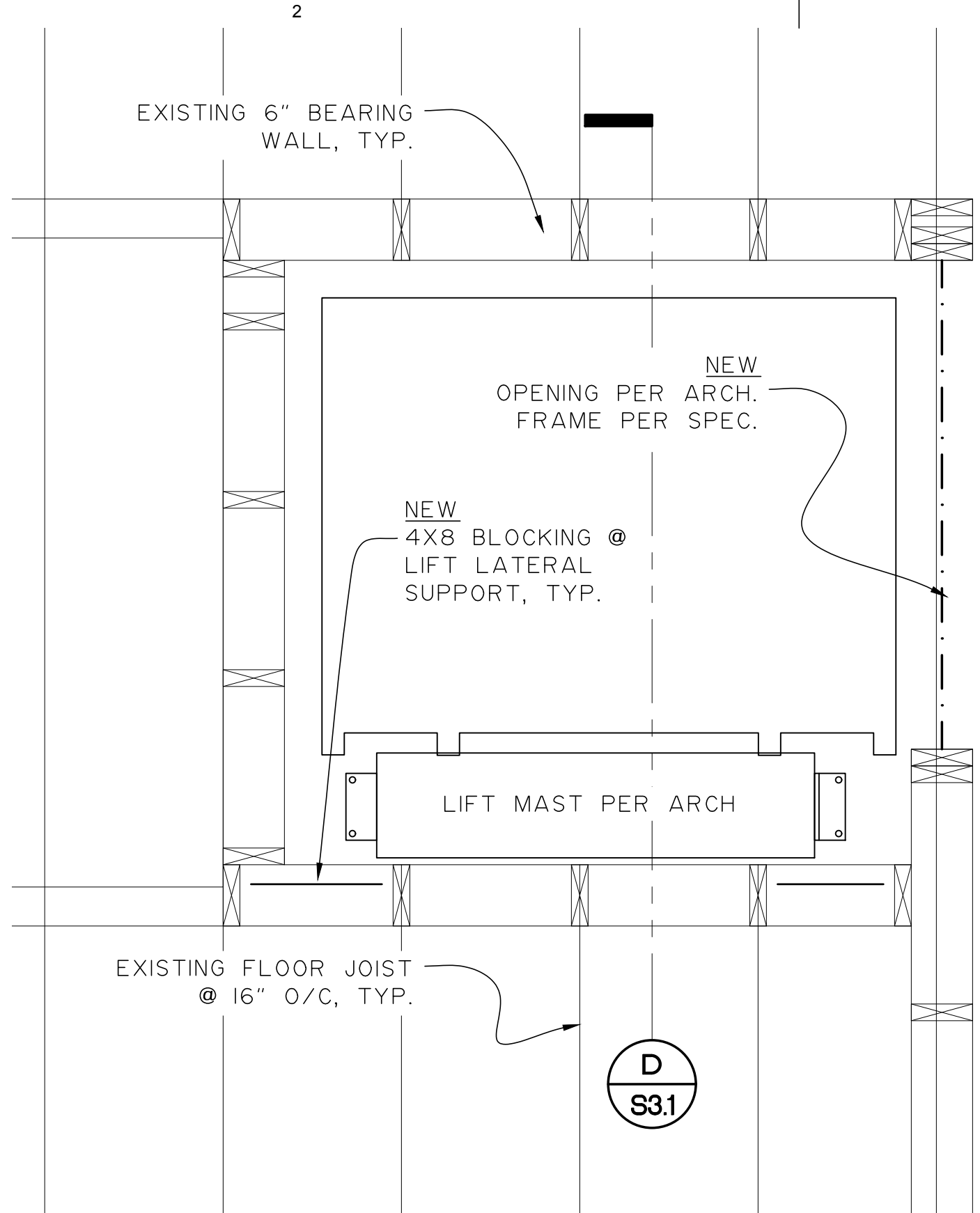
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Sheet Contents
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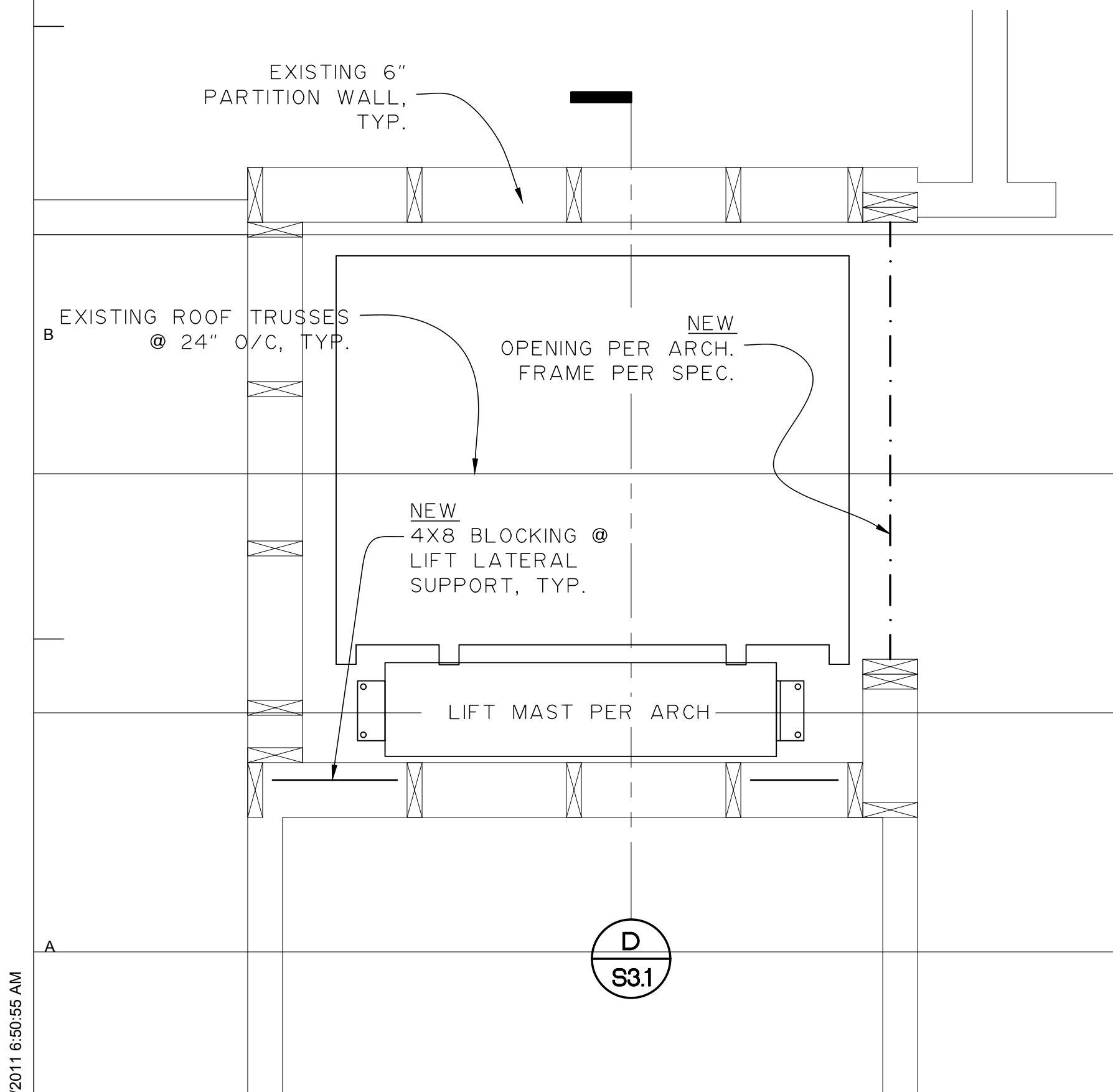
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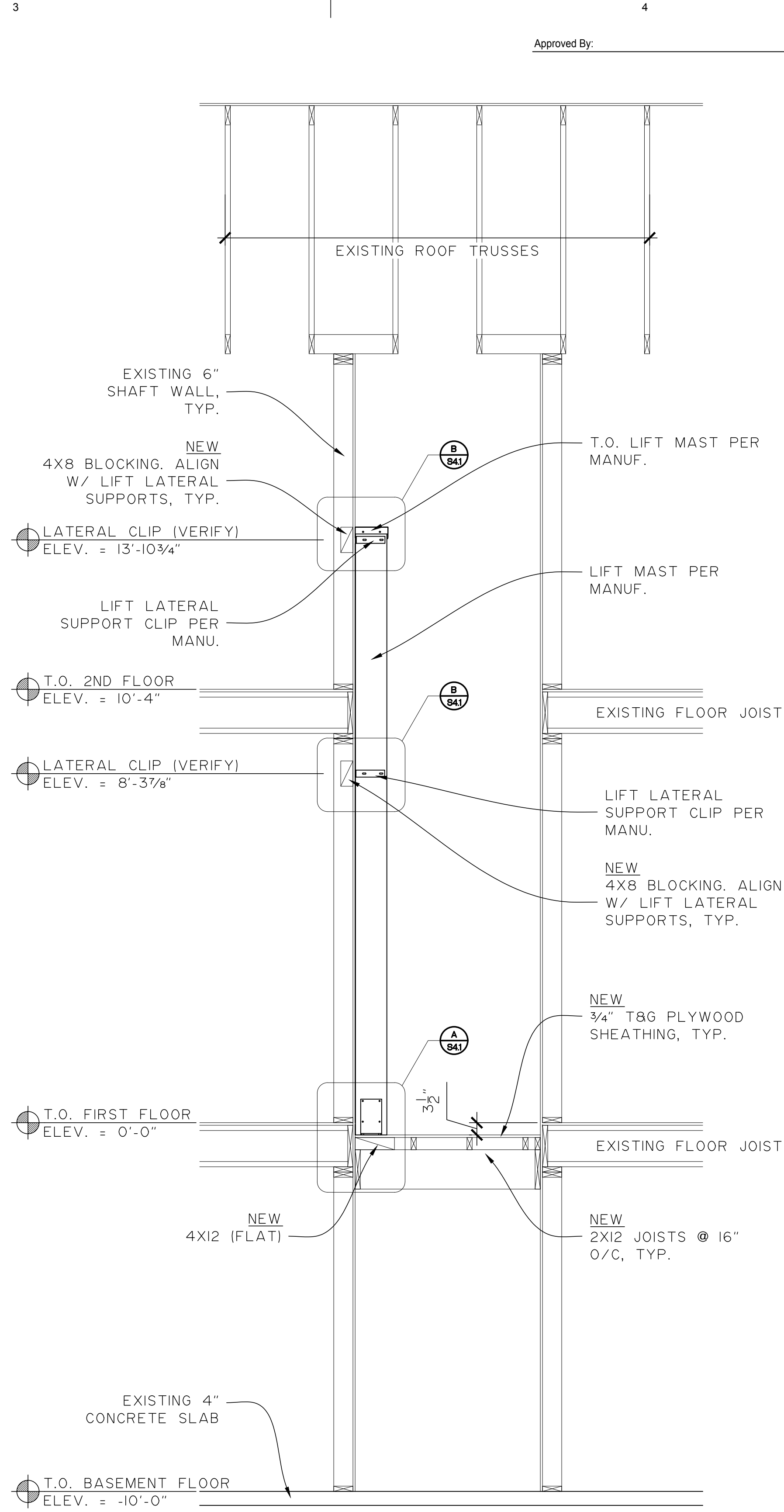
A 1ST FLOOR FRAMING PLAN
 S3.1 SCALE: 1"=1'-0" (22x34)/ 1/2"=1'-0" (11x17)



B 2ND FLOOR FRAMING PLAN
 S3.1 SCALE: 1"=1'-0" (22x34)/ 1/2"=1'-0" (11x17)



C ROOF FLOOR FRAMING PLAN
 S3.1 SCALE: 1"=1'-0" (22x34)/ 1/2"=1'-0" (11x17)

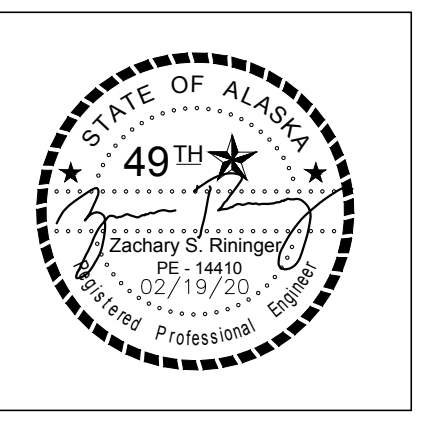


D LIFT SHAFT SECTION
 S3.1 SCALE: 1"=1'-0" (22x34)/ 1/2"=1'-0" (11x17)

Approved By: _____ Date: _____

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BIRCH TREE ELEVATOR
 DESIGN
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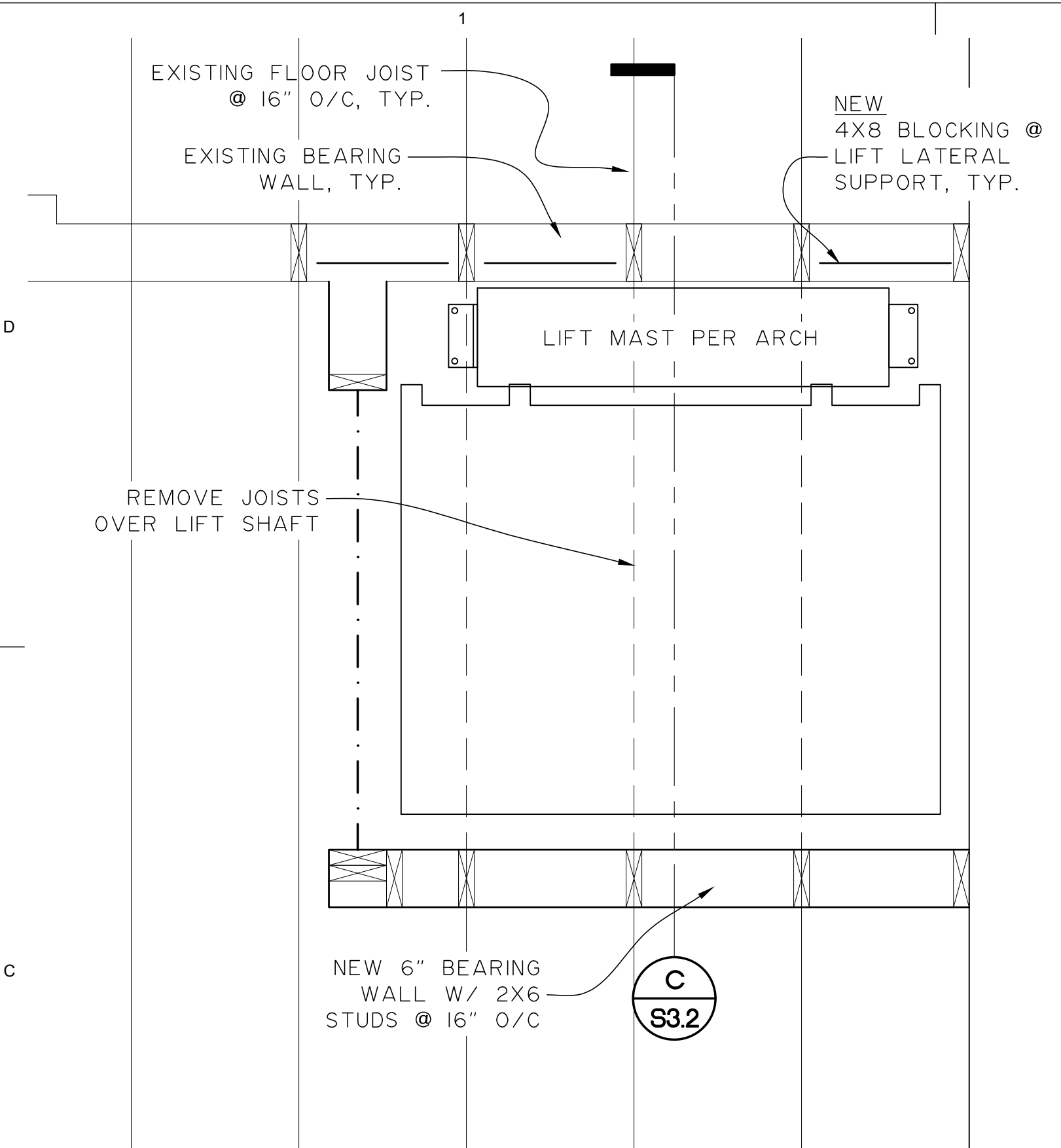
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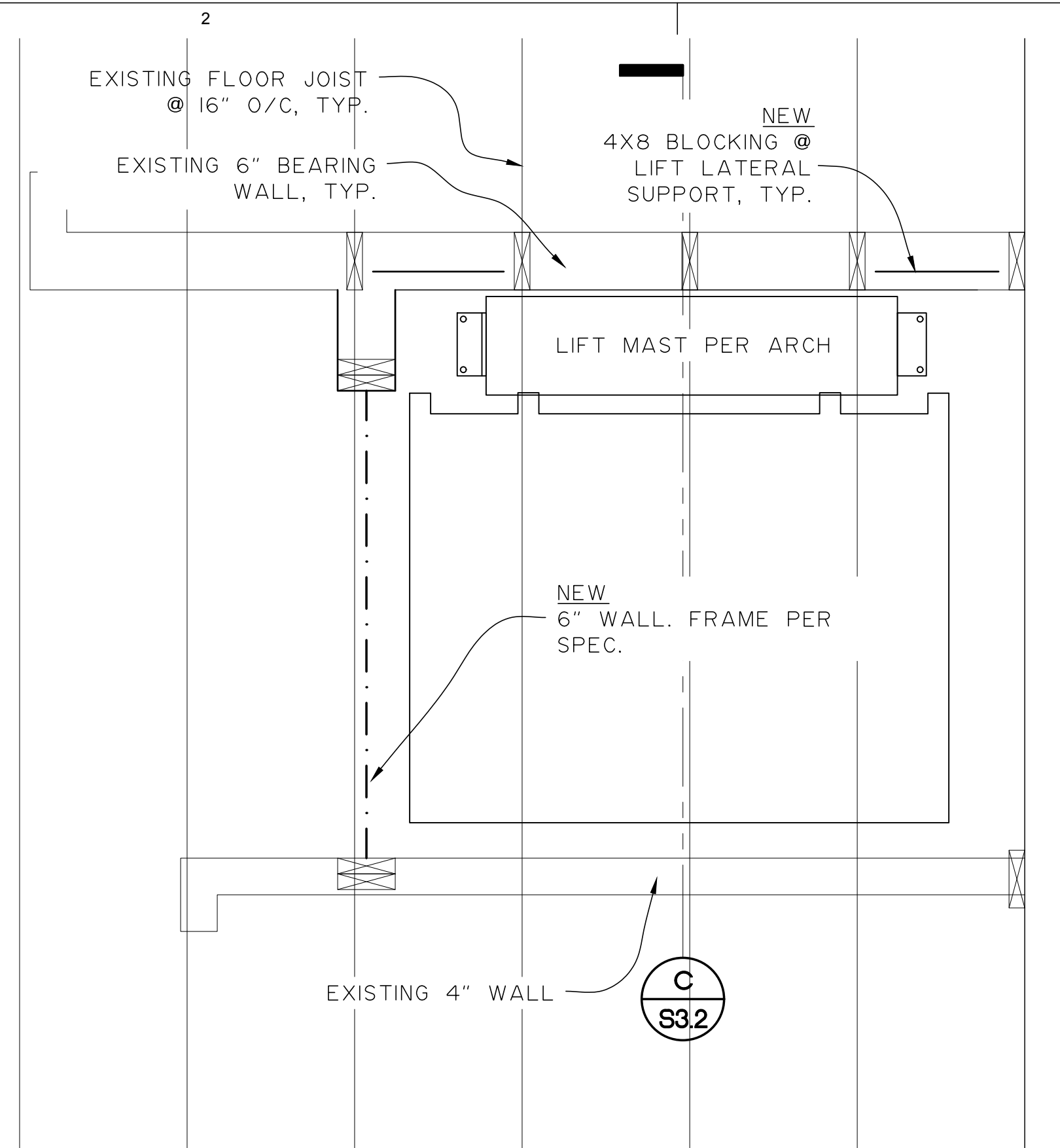
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Sheet Contents
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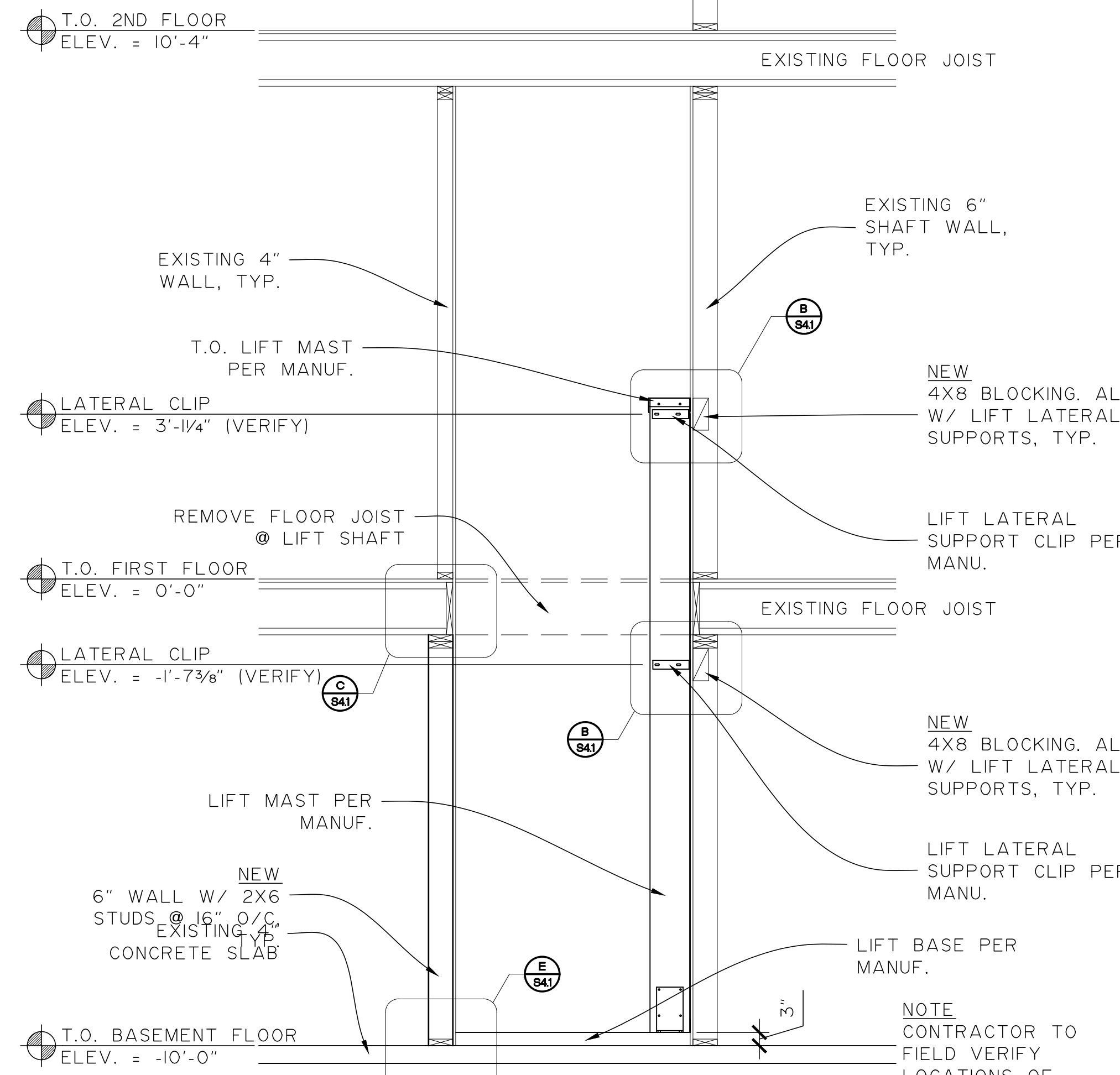
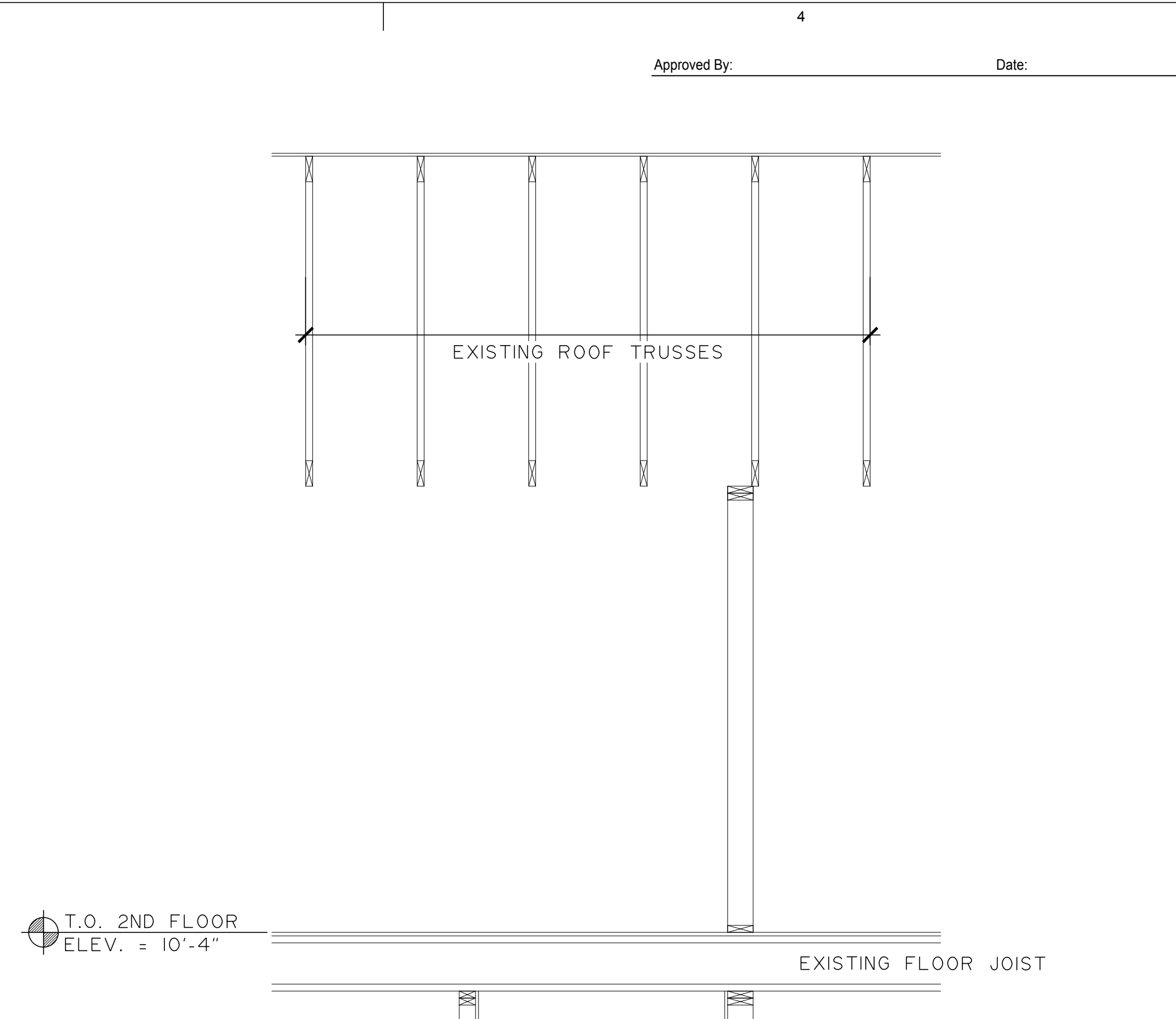
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S3.1



A 1ST FLOOR FRAMING PLAN
S3.2 SCALE: 1"=1'-0" (22x34)/ 1/2"=1'-0" (11x17)



B 2ND FLOOR FRAMING PLAN
S3.2 SCALE: 1"=1'-0" (22x34)/ 1/2"=1'-0" (11x17)



C LIFT SHAFT SECTION
S3.2 SCALE: 1/2"=1'-0" (22x34)/ 1/4"=1'-0" (11x17)

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02/19/2011
Professional Engineer

KENAITZE INDIAN TRIBE
BIRCH TREE ELEVATOR
DESIGN
510 UPLAND STREET

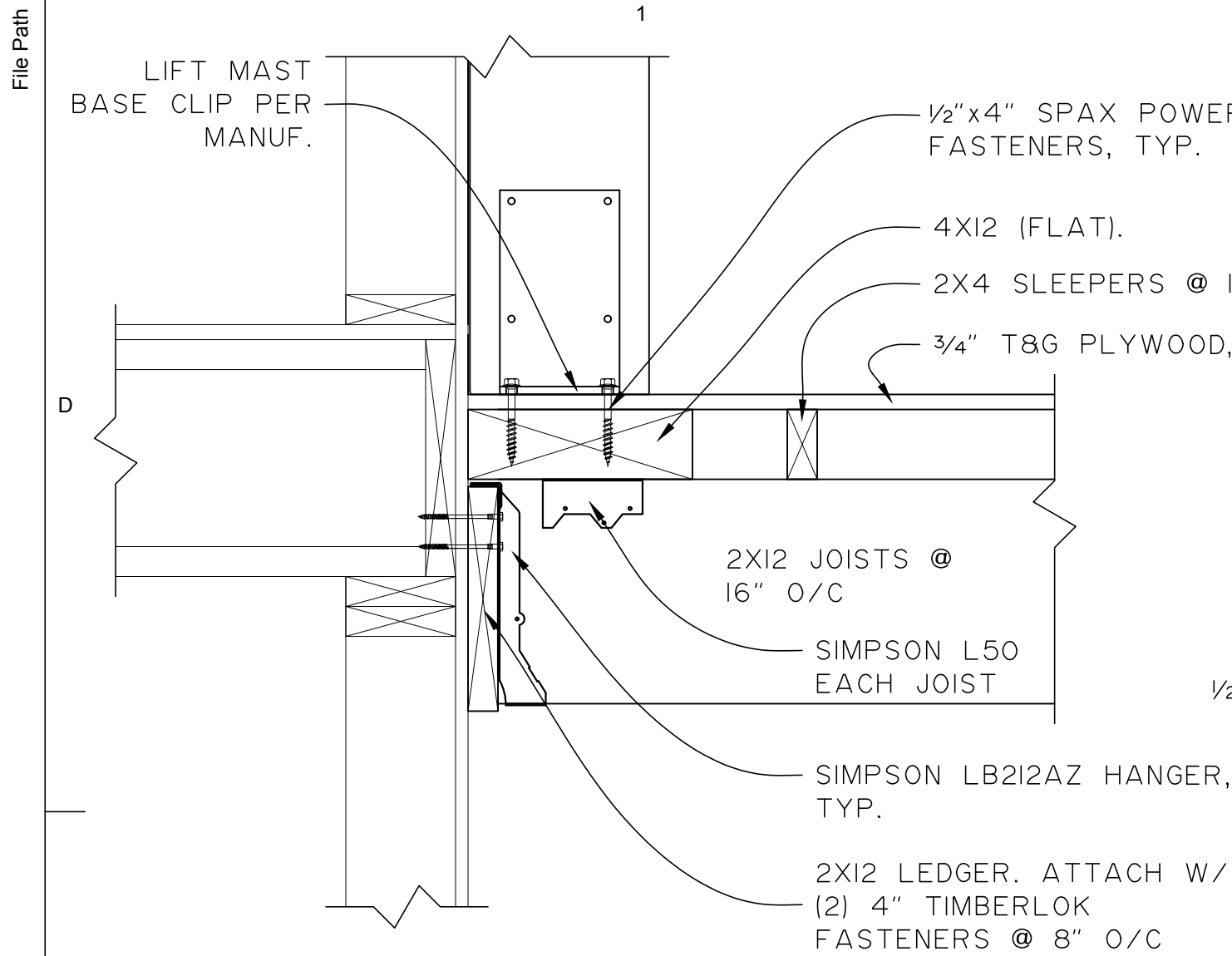
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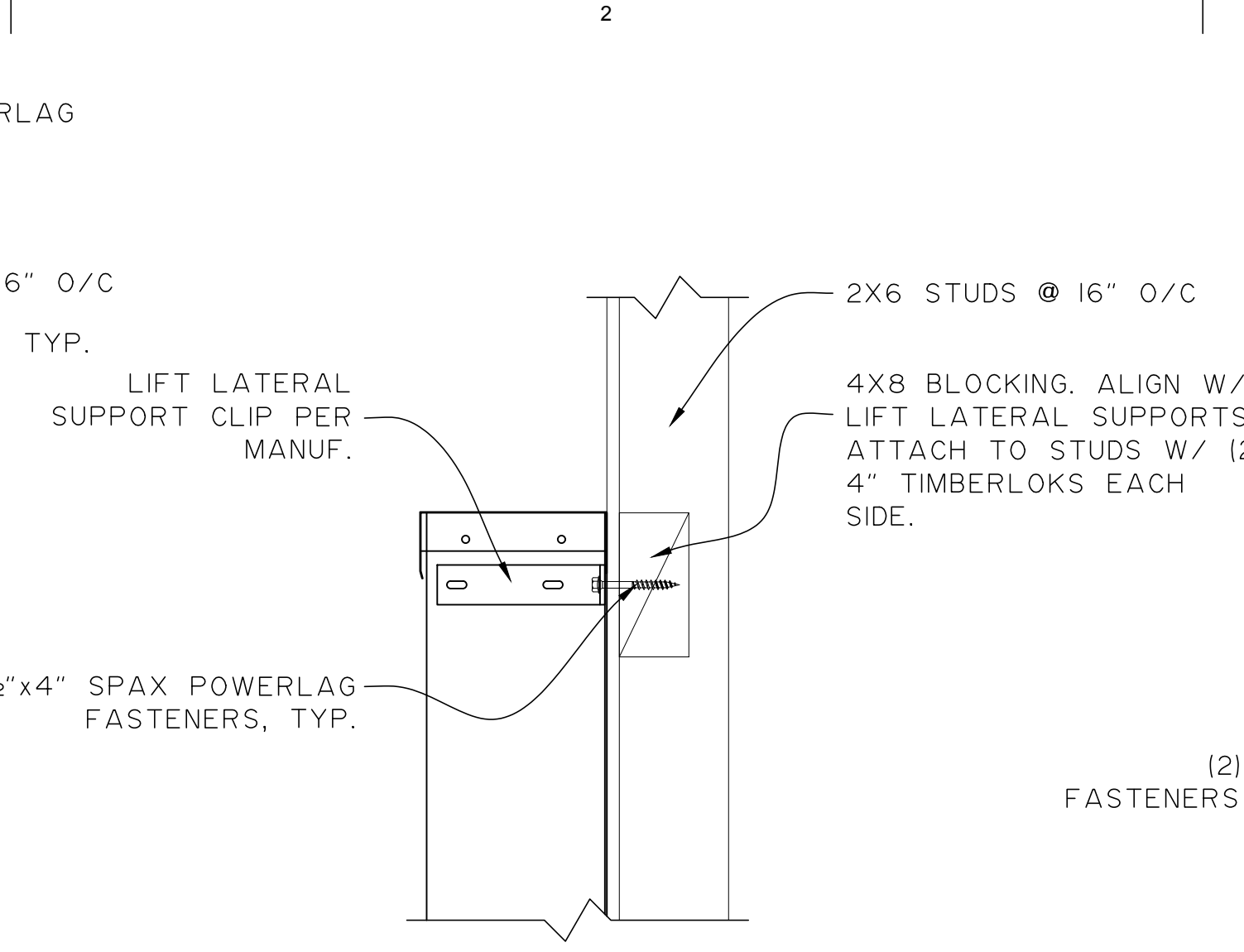
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Sheet Contents
ELEVATOR ENLARGED PLAN & SECTION

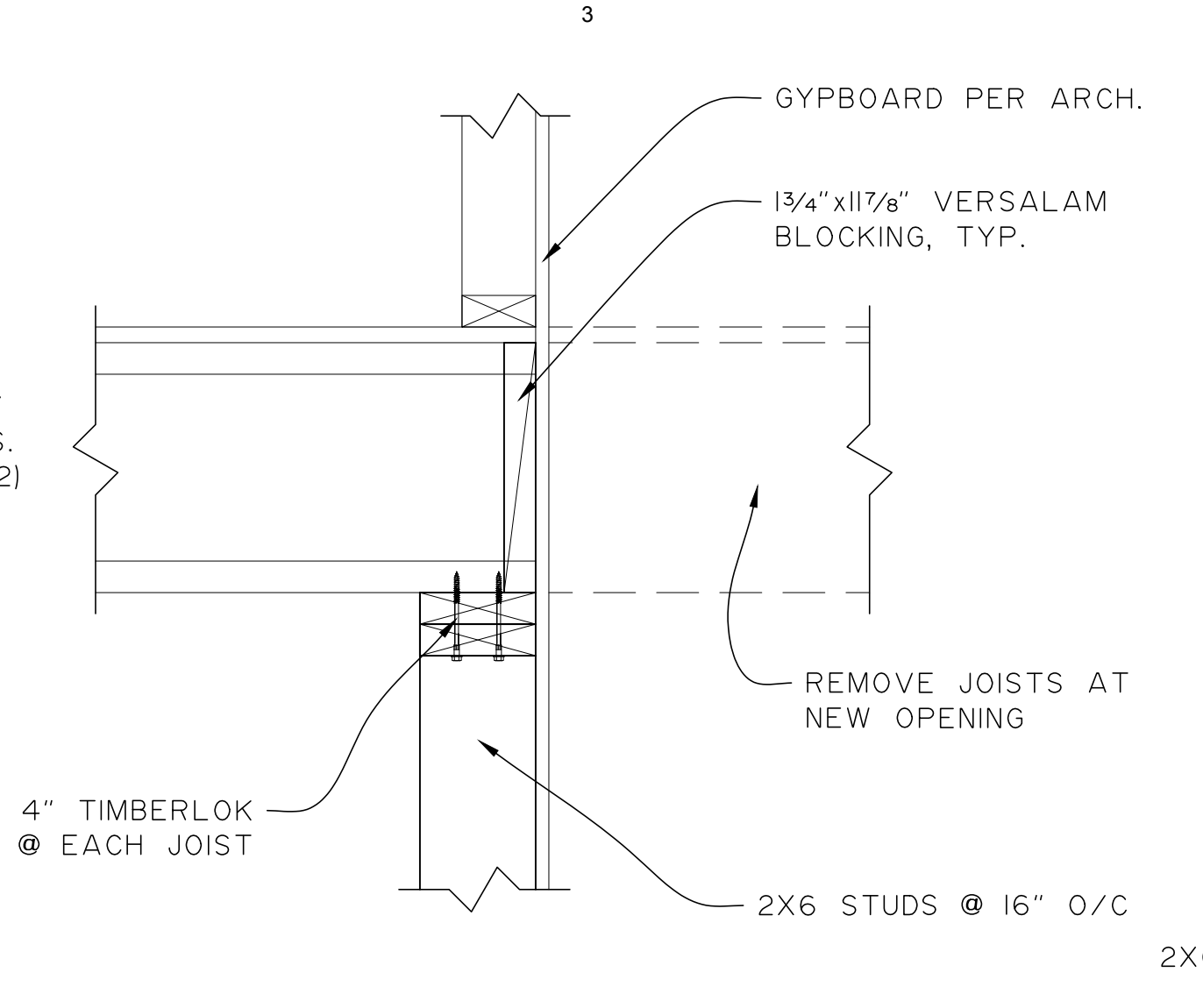
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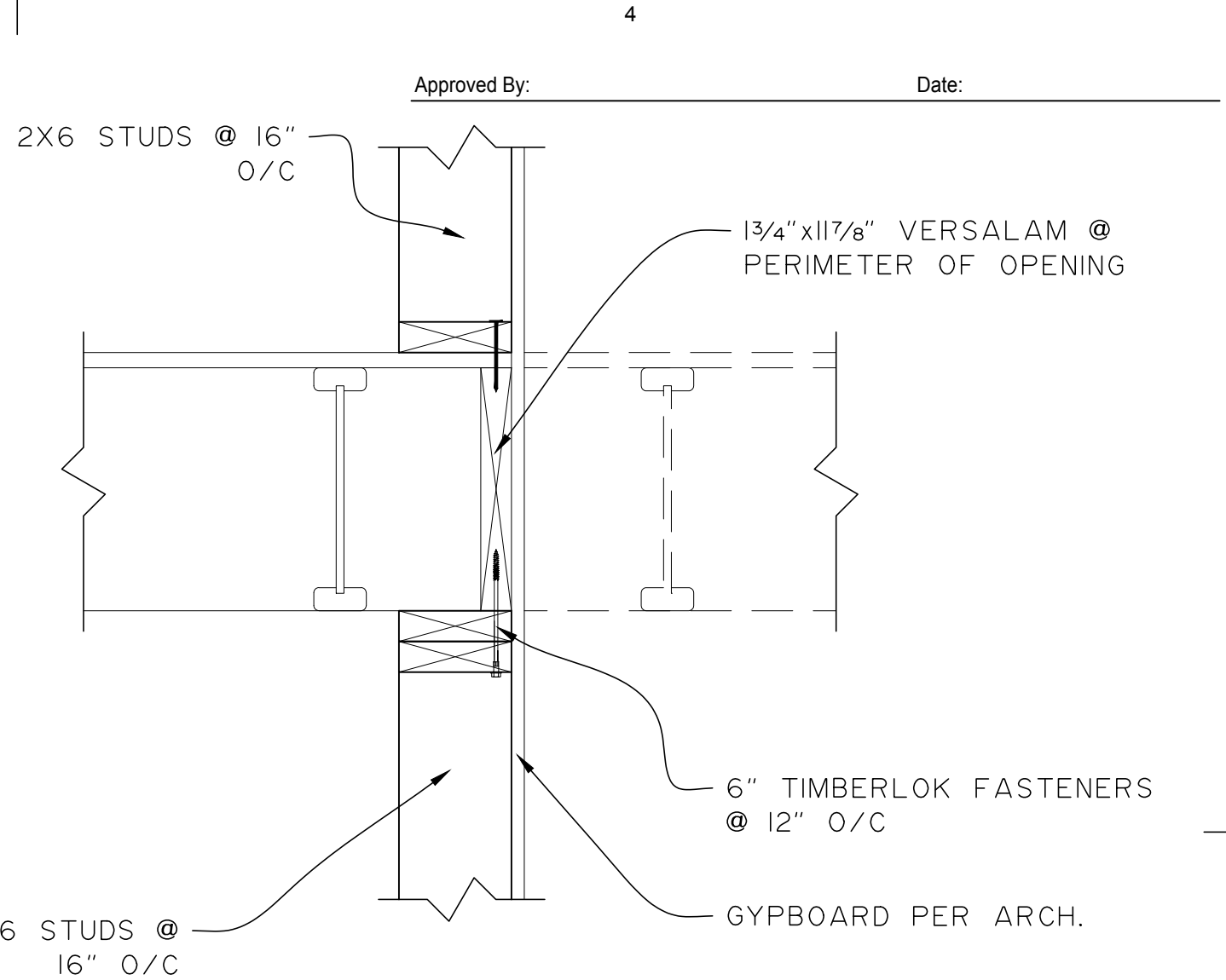
A PLATFORM LEDGER CONNECTION
S4.1 SCALE: 1-1/2"=1'-0" (22x34)/ 3"=1'-0" (11x17)



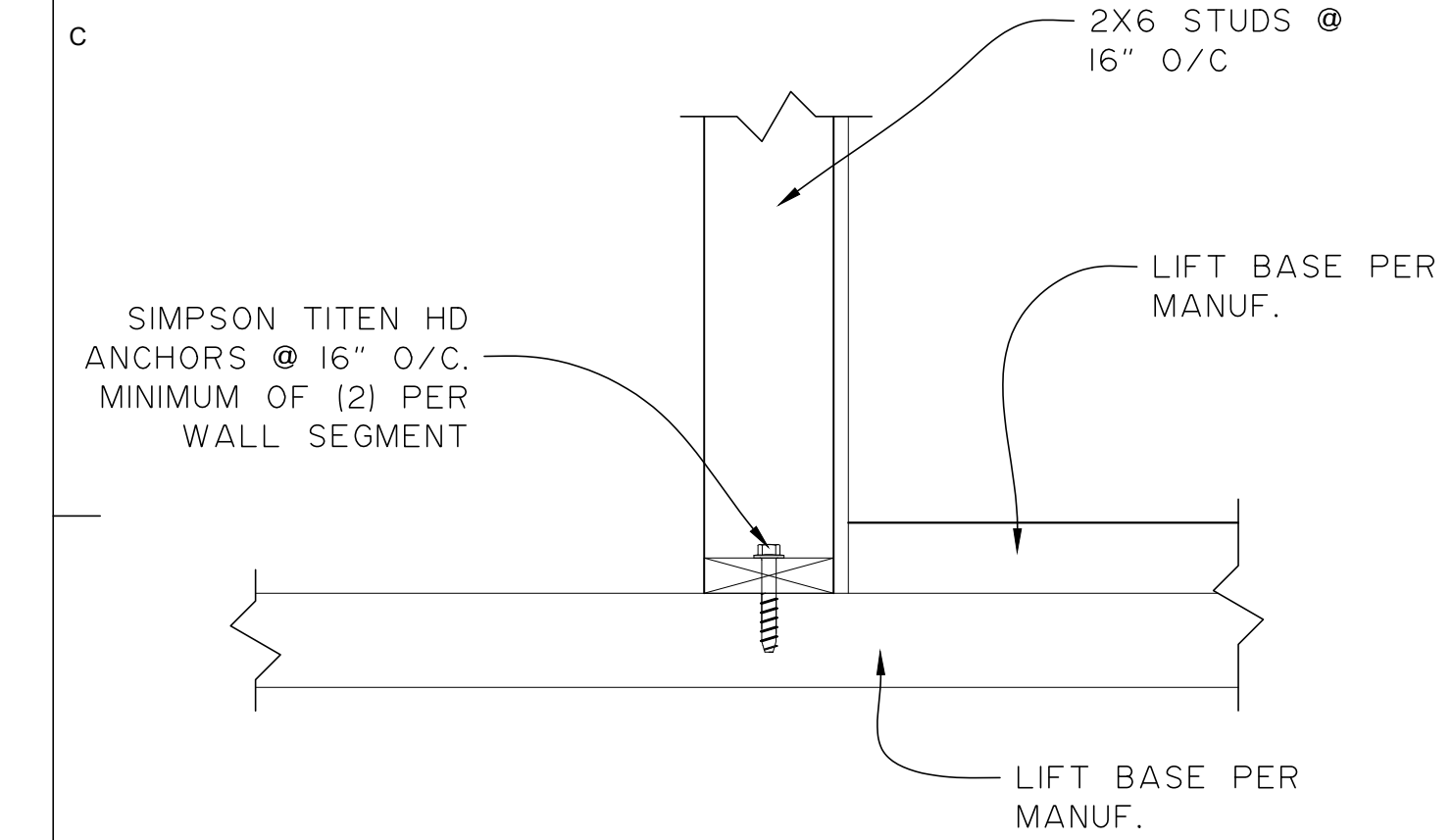
B LIFT LATERAL CLIP
S4.1 SCALE: 1-1/2"=1'-0" (22x34)/ 3"=1'-0" (11x17)



C SHAFT OPENING
S4.1 SCALE: 1-1/2"=1'-0" (22x34)/ 3"=1'-0" (11x17)



D SHAFT OPENING
S4.1 SCALE: 1-1/2"=1'-0" (22x34)/ 3"=1'-0" (11x17)



E NEW SILL PLATE CONNECTION
S4.1 SCALE: 1-1/2"=1'-0" (22x34)/ 3"=1'-0" (11x17)

NOTE
 CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING HEAT TUBES IN SLAB PRIOR TO CONSTRUCTION.

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KENAITZE INDIAN TRIBE
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 510 UPLAND STREET

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Sheet Contents
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S4.1

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GENERAL	
SYMBOL	DESCRIPTION
	SHEET NOTE CONVENTION: REFERENCED SHEET NOTE GENERAL SHEET NOTE
	FEEDER IDENTIFICATION TAG FEEDER NUMBER
	DETAIL REFERENCE DETAIL NUMBER SHEET WHERE DETAIL APPEARS
	SECTION REFERENCE SECTION LETTER SHEET WHERE SECTION APPEARS
LINE WORK CONVENTION:	
	NEW OR REINSTALLED ITEM
	ITEM TO BE DEMOLISHED
	EXISTING ITEM TO REMAIN
	FUTURE ITEM
	EXISTING ITEM TO BE RELOCATED
CONDUIT/FEEDER LINE CONVENTION:	
	CONCEALED
	UNDERGROUND OR CONCEALED IN FLOOR
	EXPOSED
	FLEXIBLE CONDUIT
	CIRCUITING CONVENTION CIRCUIT NUMBER(S) PANEL
	BRANCH CIRCUIT HOMERUN TO PANELBOARD NUMBER OF MARKS INDICATE NUMBER OF CONDUCTORS IN RACEWAY, NOT COUNTING GROUNDING CONDUCTORS. (ABSENCE OF MARKS INDICATE TWO CONDUCTORS, PLUS REQUIRED GROUNDS) NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS UNSWITCHED CONDUCTORS SHOWN ON HOMERUN SIDE OF NEUTRAL NEUTRAL SWITCHED CONDUCTORS SHOWN ON LOAD SIDE OF NEUTRAL

DRAWING INDEX	
E0.1	LEGEND & SCHEDULES
E0.2	SPECIFICATIONS
E1.1	DEMOLITION PLANS - ELECTRICAL
E2.1	FLOOR PLANS - ELECTRICAL
E3.1	BASEMENT ELECTRICAL - ALTERNATE

ABBREVIATIONS	
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
APPROX	APPROXIMATE
AHJ	AUTHORITY HAVING JURISDICTION
BAS	BUILDING AUTOMATION SYSTEM
CKT	CIRCUIT
CCTV	CLOSED CIRCUIT TELEVISION
CMH	COMMUNICATIONS MANHOLE
C	CONDUIT
C.O.	CONDUIT ONLY
CU	COPPER
(D)	DEMOLISH
DB	DECIBEL
EL	EMERGENCY LIGHT
ELU	EMERGENCY LIGHTING UNIT
ENL	EMERGENCY NIGHT LIGHT
(E)	EXISTING
(F)	FUTURE
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
FOPP	FIBER OPTIC PATCH PANEL
FSD	FIRE/SMOKE DAMPER
HZ	FREQUENCY
HP	HORSEPOWER
IAW	IN ACCORDANCE WITH
K	KELVIN
KVA	KILO VOLT-AMPS
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MIN	MINIMUM
MM	MULTIMODE FIBER OPTIC CABLE
MTR	MAIN TELECOM ROOM
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFC	OPTICAL FIBER CABLE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PA	PUBLIC ADDRESS
PH	PHASE (ELECTRICAL)
PLC	PROGRAMMABLE LOGIC CONTROLLER
PMCS	POWER MONITORING CONTROL SYSTEM
REP	REPRESENTATIVE
SM	SINGLEMODE FIBER OPTIC CABLE
SMR	SURFACE MOUNTED RACEWAY
SPD	SURGE PROTECTIVE DEVICE
TELECOM	TELECOMMUNICATION
TR	TELECOMMUNICATION ROOM
TYP	TYPICAL
UNLESS OTHERWISE NOTED	
VANDAL RESISTANT	
VSD	VARIABLE SPEED DRIVE
VAC	VOLTS (ALTERNATING CURRENT)
VDC	VOLTS (DIRECT CURRENT)
V	VOLTS OR VOLTAGE
W	WATT
WP	WEATHERPROOF
WG	WIRE GUARD

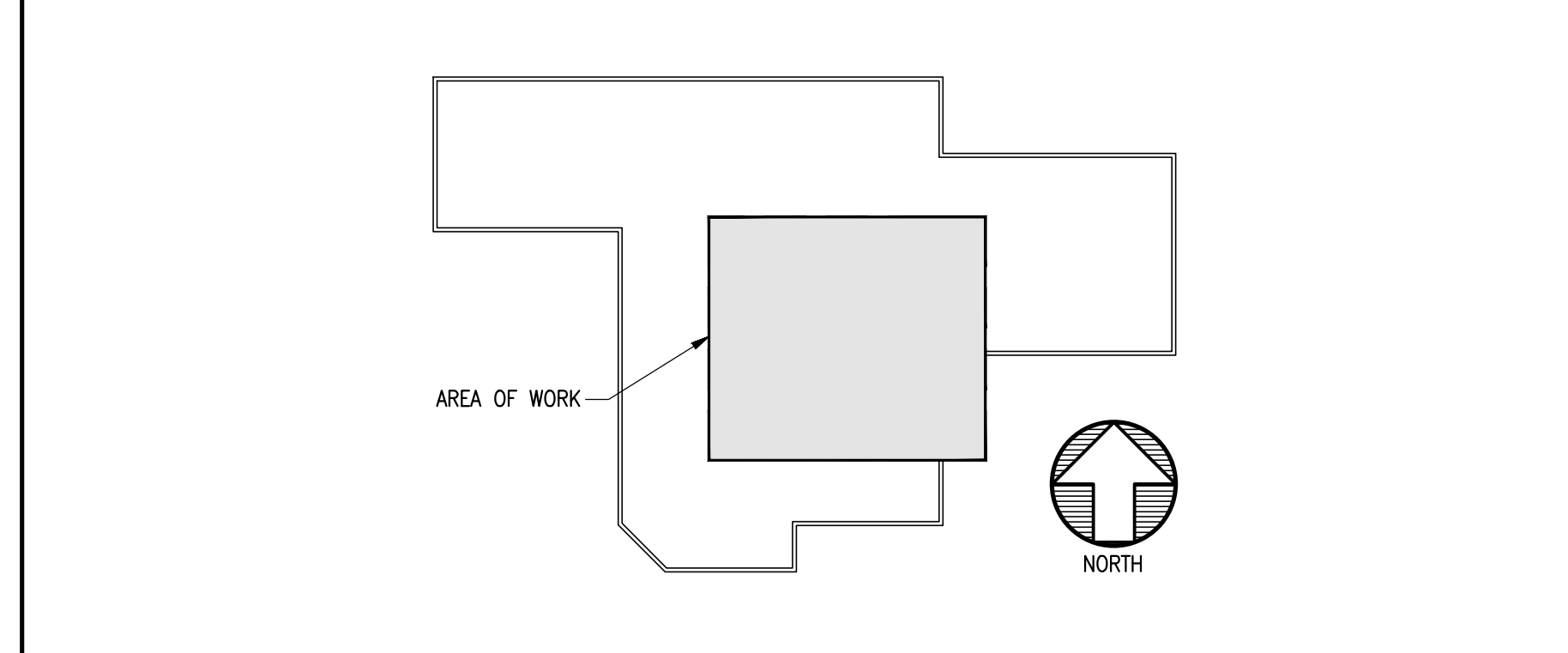
NOTE: THIS IS A STANDARD LEGEND. NOT ALL SYMBOLS NECESSARILY APPEAR ON THE DRAWINGS

LIGHTING	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE - SURFACE OR PENDANT MOUNTED
	LIGHTING FIXTURE - RECESS MOUNTED
	EXIT FIXTURE - WALL MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
	EXIT FIXTURE - CEILING MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
	EMERGENCY LIGHTING UNIT - WALL MOUNTED (FIXTURE TYPE XA)
	SINGLE POLE SWITCH

POWER	
SYMBOL	DESCRIPTION
RECEPTACLE MOUNTING:	
	RECEPTACLE - WALL MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE - FLOOR MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE - CEILING MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
RECEPTACLE TYPES:	
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER, DOUBLE DUPLEX RECEPTACLE
ELECTRICAL DEVICES:	
	MOTOR
	NON-FUSED DISCONNECT
	JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT
	PANEL - SURFACE MOUNTED
	PANEL - FLUSH MOUNTED

SPECIAL SYSTEMS	
SYMBOL	DESCRIPTION
	TELECOMMUNICATION OUTLET - WALL MOUNTED (X DENOTES NUMBER OF PORTS)
	ANALOG CLOCK

KEY PLAN



PANEL SCHEDULE - 'B'		NEMA 1 FLUSH MOUNTED						
240 / 120 VOLT, 1-PHASE, 3-WIRE 200 AMP MAIN CIRCUIT BREAKER		A.I.R. PER POWER ONE-LINE AND SPECIFICATIONS						
CIRCUIT DESCRIPTION	KVA	AMP	POLE	A---B	KVA	AMP	POLE	CIRCUIT DESCRIPTION
PANEL A	16.00	100	2	1---2	16.00	100	2	PANEL C
---	---	---	---	3---4	---	---	---	---
BLANK	---	---	1	5---6	1.00	15	1	FIRST FLOOR LIFT
BLANK	---	---	1	7---8	---	---	1	BLANK
SK OFFICE	0.30	20	1	9---10	0.72	20	1	REC - S GARAGE HEADBOLT
REC - N. GARAGE HEADBOLT	0.72	20	1	11---12	0.30	20	1	UNKNOWN
REC & LTG - N.W. BEDROOM	0.72	20	1	13---14	0.72	20	1	REC - MASTER BEDROOM SOUTH
REC - N.W. BEDROOM	0.72	20	1	15---16	0.72	20	1	REC - MASTER BEDROOM NORTH
REC - MASTER BATH	0.72	20	1	17---18	0.72	20	1	REC - W. SIDE PATIO
REC - S.W. OFFICE, S. GARAGE	0.72	20	1	19---20	0.72	20	1	REC - N.W. BATHROOM
BLANK	---	---	1	21---22	---	---	---	BLANK
BLANK	---	---	1	23---24	---	---	1	BLANK
REC - N. GARAGE FRIDGE AND FREEZER	0.72	20	1	25---26	0.80	20	1	LTG - N. GARAGE; GARAGE HEATER
REC - COMMON HALL; LTG - DOWNSTAIRS HALL	0.72	20	1	27---28	0.50	20	1	N. GARAGE ATTIC
REC - WASHER & DRYER	0.72	20	1	29---30	0.80	20	1	LTG - S. GARAGE, LAUNDRY; REC - LAUNDRY
TOTAL CONNECTED LOADS - A		23.9	KVA	30 POLE SPACES USED				
- B		21.1	*					
- ALL		45.1	*	188 AMPS @ 240 VOLTS, 1-PHASE				
TOTAL LOAD WITH NEC FACTORS		45.1	*	188 AMPS				

PANEL SCHEDULE - 'B2'		NEMA 1 SURFACE / FLUSH MOUNTED						
240 / 120 VOLT, 1-PHASE, 3-WIRE 200 AMP MAIN CIRCUIT BREAKER		A.I.R. PER POWER ONE-LINE AND SPECIFICATIONS						
CIRCUIT DESCRIPTION	KVA	AMP	POLE	A---B	KVA	AMP	POLE	CIRCUIT DESCRIPTION
RM 104	0.72	20	1	1---2		60	1	SPARE
SMOKE DETECTORS	0.30	20	1	3---4		60	1	SPARE
REC - RM 104/107	0.72	20	1	5---6	0.80	20	2	ROOM 119/120 HEAT
BOTTLE COOLER	0.80	20	1	7---8	---	---	---	---
LTG - 109/110	0.50	20	1	9---10	0.80	20	1	JANITOR CLOSET
RM 109/112 HEAT	0.80	20	2	11---12	0.72	20	1	REC - 107-108
---	---	---	---	13---14	---	---	---	SPARE
RM 110/112 HEAT	0.80	20	2	15---16	---	---	---	---
---	---	---	---	17---18	0.72	20	1	REC - LIFT MAINTENANCE RECEPTACLES
LTG - EMERGENCY	0.50	20	1	19---20	0.50	20	1	LTG - LOBBY
LOBBY ENTRANCE DOOR	0.30	20	1	21---22	1.00	20	1	REC - 107/108; REC - 116/117
LTG - BATHROOM; REC - BATHROOM	0.80	20	1	23---24	1.00	20	1	LTG - 116/117; REC - 119/120
REC - LOBBY, RM 110	0.72	20	1	25---26	1.00	20	1	LTG - 112; REC - 112
REC - LOBBY, RM 112	0.72	20	1	27---28	0.72	20	1	REC - 108 #1
REC - LOBBY; LTG - EXTERIOR	1.00	20	1	29---30	0.72	20	1	REC - 108 #2
TOTAL CONNECTED LOADS - A		9.4	KVA	30 POLE SPACES USED				
- B		7.3	*					
- ALL		16.7	*	69 AMPS @ 240 VOLTS, 1-PHASE				
TOTAL LOAD WITH NEC FACTORS		18.2	*	76 AMPS				

PANEL SCHEDULE - 'C'		NEMA 1 SURFACE / FLUSH MOUNTED						
240 / 120 VOLT, 1-PHASE, 3-WIRE 200 AMP LUG		A.I.R. PER POWER ONE-LINE AND SPECIFICATIONS						
CIRCUIT DESCRIPTION	KVA	AMP	POLE	A---B	KVA	AMP	POLE	CIRCUIT DESCRIPTION
REC - N.W. ROOM, S.W. ROOM	0.72	20	1	1---2	0.72	20	1	REC - BOILER RM, ELEVATOR
REC - S.E. ROOM, N.E. ROOM	0.72	20	1	3---4	0.72	20	1	REC - DATA ROOM
REC - S.E. FAR ROOM	0.72	20	1	5---6	0.50	20	1	SMOKE DETECTORS
REC - W. RECEPTION, OFFICE	0.72	20	1	7---8	1.50	30	1	30A IN DATA ROOM
BASE BOARD HEAT	2.00	50	1	9---10	1.00	15	1	BASEMENT LIFT
BASE BOARD HEAT	2.00	50	1	11---12	0.54	20	1	REC - BASEMENT OFFICE (ALTERNATE ONLY)
30A IN DATA ROOM	1.50	30	1	13---14	1.50	20	1	30A IN DATA ROOM
REC - COMM PANEL	0.72	30	1	15---16	1.50	30	1	30A IN DATA ROOM
REC - BELOW PANEL #1	0.32	20	1	17---18	0.80	20	1	PWR - BOILER
REC - BELOW PANEL #2	0.32	20	1	19---20	0.72	20	1	REC - BACK SIDE OF PANEL, S.W. ROOM
TOTAL CONNECTED LOADS - A		9.8	KVA	20 POLE SPACES USED				
- B		9.5	*					
- ALL		19.2	*	80 AMPS @ 240 VOLTS, 1-PHASE				
TOTAL LOAD WITH NEC FACTORS		19.2	*	80 AMPS				

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REGISTERED PROFESSIONAL ENGINEER
21303

KENAITZE INDIAN TRIBE
BIRCH TREE HOUSE
TWO STOP LIFT ADDITIONS
510 UPLAND STREET

Revisions		
No.	Description	Date

Drawn by SEB	Date 19 FEB 2021
Checked JEH	Job No. 21008.01

Sheet Contents LEGEND & SCHEDULES

Sheet No.
E0.1

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B

A

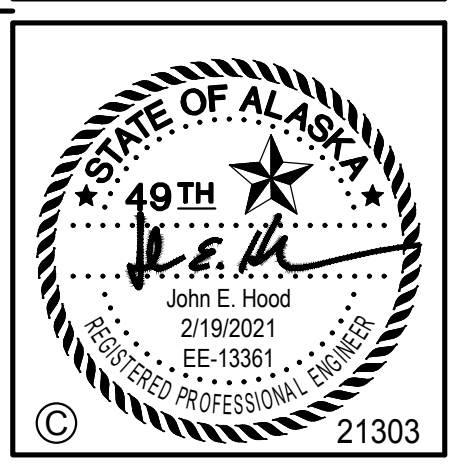
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SPECIFICATIONS

- 26 00 00 ELECTRICAL GENERAL REQUIREMENTS
- 1. PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM IN ACCORDANCE WITH DIVISIONS 26, 27 AND 28 OF THE SPECIFICATIONS.
- 2. PROVIDE MATERIALS, LABOR, SERVICES, TOOLS, APPLIANCES AND APPARATUS NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS, BUT WHICH ARE REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
- 3. CONNECT EQUIPMENT AND DEVICES FURNISHED OR INSTALLED BY OTHER TRADES OR FURNISHED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION.
- 4. PROVIDE LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR COMPLETE, SAFE WORKABLE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL, STATE AND NATIONAL CODES AND STANDARDS.
- 5. EMPLOY WORKMEN SKILLED IN THE TRADE AND FAMILIAR WITH TECHNIQUES REQUIRED TO COMPLETE THE WORK IN A NEAT AND WORKMANLIKE MANNER. WORKMANSHIP IS SUBJECT TO APPROVAL BY THE OWNER.
- 6. OBTAIN AND PAY FOR LICENSES, PERMITS AND INSPECTIONS REQUIRED BY LAW, ORDINANCES AND RULES GOVERNING WORK SPECIFIED HEREIN. ARRANGE INSPECTION OF WORK AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND GIVE THE INSPECTORS NECESSARY ASSISTANCE TO COMPLETE THEIR INSPECTION.
- 7. USE THE DRAWINGS AS A GUIDE FOR QUANTITY, APPROXIMATE EQUIPMENT LOCATIONS AND DESIGN CRITERIA. COORDINATE WORK WITH OTHER TRADES AND ARCHITECTURAL FEATURES TO PROVIDE SYMMETRICAL APPEARANCE. IMMEDIATELY NOTIFY THE OWNER IN WRITING SHOULD CLARIFICATION BE REQUIRED DUE TO A CONFLICT OF QUANTITY, COORDINATION, LOCATION, ETC. THE OWNER'S DECISION IS FINAL AND BINDING. EXTRA COSTS INVOLVED TO COMPLY WITH THE SPECIFICATIONS AND DRAWINGS CAUSED BY A CONFLICT NOT BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY UPON DISCOVERY SHALL BE BORNE BY THE CONTRACTOR UNLESS EXTRA COST IS APPROVED IN WRITING.
- 8. CONDUCT A SITE VISIT PRIOR TO AWARD OF CONTRACT AND EXAMINE DRAWINGS AND SPECIFICATIONS FOR DISCREPANCIES BETWEEN THIS AND OTHER DIVISIONS OF THE WORK AND EXISTING CONDITIONS. REPORT IN WRITING NO LESS THAN TWO WEEKS PRIOR TO AWARD OF CONTRACT ANY DISCREPANCIES WHICH THE CONTRACTOR BELIEVES ARE CONTRARY TO CODE OR THAT WILL NOT FUNCTION AS SHOWN.
- 9. OBTAIN SUBMITTALS AND SHOP DRAWINGS OF EQUIPMENT WITH ELECTRICAL CONNECTIONS FURNISHED UNDER OTHER DIVISIONS AND/OR BY THE OWNER AND COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED.
- 10. MATERIALS SHALL BE NEW, FULL WEIGHT AND BEAR THE UL LABEL.
- 11. FURNISH A ONE YEAR GUARANTEE FOR ELECTRICAL MATERIALS AND LABOR. GUARANTEE SHALL COMMENCE AT FINAL PAYMENT. MAKE NECESSARY REPAIRS IN A TIMELY MANNER AT NO COST TO THE OWNER.
- 12. CONTRACTOR SHALL COORDINATE WORK WITH THE APPLICABLE CPAI SYSTEM ADMINISTRATORS PRIOR TO BEGINNING WORK.
- 13. PROVIDE TO CPAI PROJECT MANAGER, DISRUPTION REQUESTS FOR WORK REQUIRING DISRUPTION. SUBMIT DISRUPTION REQUESTS NOT LESS THAN TWO WEEKS PRIOR TO PROPOSED DISRUPTION.
- 14. SUBMITTALS AND SHOP DRAWINGS: PROVIDE SUBMITTALS AND SHOP DRAWINGS WITH ENOUGH TIME TO ALLOW FOR A TWO WEEK REVIEW BY ENGINEER PRIOR TO ORDERING PRODUCT OR BEGINNING WORK AND NO LATER THAN TWO WORKING WEEKS AFTER AWARD OF CONTRACT. PROVIDE SUBMITTALS IN ELECTRONIC (PDF) FORMAT. SUBMIT THE FOLLOWING:
 - A. PRODUCT INFORMATION:
 - i) INDICATE EACH PRODUCT AS "BASIS OF DESIGN", "AS SPECIFIED" OR AS "PROPOSED SUBSTITUTION."
 - ii) IDENTIFY CATALOG DESIGNATION AND/OR MODEL NUMBER.
 - iii) NEATLY ANNOTATE EACH SALIENT CHARACTERISTIC AND DESIGN OPTIONS OF THE PRODUCT TO DEMONSTRATE COMPLIANCE WITH THE CONTRACT DOCUMENTS TO INCLUDE: SCHEDULED INFORMATION, DRAWING INFORMATION AND SPECIFIED INFORMATION. CLEARLY INDICATE PRODUCT DEVIATIONS FROM THE CONTRACT DOCUMENTS AND MARK OUT NON-APPLICABLE ITEMS ON GENERIC "CUT-SHEETS."
 - iv) INCLUDE MANUFACTURER PROVIDED DIMENSIONED EQUIPMENT DRAWINGS WITH MECHANICAL AND ELECTRICAL ROUGH-IN CONNECTIONS.
 - v) INCLUDE OPERATIONAL CHARACTERISTICS, PERFORMANCE CURVES AND RATED CAPACITIES.
 - w) INCLUDE MOTOR CHARACTERISTICS AND WIRING DIAGRAMS FOR THE SPECIFIC SYSTEM.
 - vi) PROVIDE BASIC MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - B. COMPLETE AS-BUILT FORMS FOR ELECTRICAL DISTRIBUTION EQUIPMENT AFFECTED BY PROJECT WORK. ELECTRICAL DISTRIBUTION EQUIPMENT SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, PANELBOARDS, SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, ENCLOSED CIRCUIT BREAKERS, MOTORS, BUS PLUGS, DISCONNECTS AND VARIABLE SPEED DRIVES. REQUEST AS-BUILT FORMS FROM CPAI PROJECT MANAGER.
 - C. REQUIRED METERING REPORTS, TEST RESULTS AND/OR STUDIES.
 - D. O&M MANUAL(S) FOR INSTALLED EQUIPMENT 2 WEEKS PRIOR TO SUBSTANTIAL COMPLETION. INFORMATION INCLUDED SHALL BE THE EXACT EQUIPMENT INSTALLED. O&M MANUALS SHALL CONTAIN SUBMITTAL INFORMATION AND INFORMATION NEEDED TO OPERATE AND MAINTAIN SYSTEMS AND EQUIPMENT PROVIDED AND/OR MODIFIED IN THE PROJECT. COORDINATE WITH OWNER FOR MINIMUM REQUIREMENTS.
 - E. AT COMPLETION PROVIDE RECORD DRAWINGS, UPDATED PANEL SCHEDULES, AND UPDATED RISER AND ONE-LINE DIAGRAM.
 - F. PROVIDE RECORD DRAWINGS REFLECTING THE AS-BUILT CONFIGURATION FOR THE FIRE ALARM SYSTEM DRAFTED IN THE LATEST VERSION OF AUTOCAD. DRAWINGS SHALL INCLUDE DEVICE LOCATIONS AND WIRING CONFIGURATION.
- 15. CONTINUALLY RECORD THE ELECTRICAL INSTALLATION ON A SET OF PRINTS READILY AVAILABLE AT THE PROJECT SITE. MARK RECORD DRAWINGS WITH RED ERASABLE PENCIL. ACCURATELY LOCATE WITH DIMENSIONS ELECTRICAL DEVICES WITHIN AREA OF WORK (NEW AND EXISTING). SHOW PHYSICAL DEVICE CIRCUITING, INDICATE DEVICE CIRCUITS, JUNCTION BOX LOCATIONS, CONDUITS OVER 1 INCH IN DIAMETER, SYSTEM DEVICES, AND ELECTRICAL APPURTENANCES.
- 16. IDENTIFICATION AND LABELING
 - A. PROVIDE LAMINATED PLASTIC NAMEPLATES RIVETED OR SCREWED TO THE EQUIPMENT FOR PANELBOARD AS REQUIRED IN CONTRACT DOCUMENTS. NAMEPLATE MATERIAL SHALL BE 0.125 INCH THICK PLASTIC, MINIMUM SIZE OF 1 INCH BY 2.5 INCH WITH MINIMUM LETTER SIZE OF 0.25 INCH. UPS - WHITE LETTERS ON BLACK BACKGROUND.
 - B. PROVIDE AND POST UPDATED ONE-LINE DRAWINGS FOR ELECTRICAL ROOMS CONTAINING EQUIPMENT INVOLVED WITH PROJECT WORK. OBTAIN UPDATED ONE-LINE DRAWINGS FROM OWNER.
 - C. FIELD VERIFY NEW AND EXISTING CIRCUITS WITHIN AREA OF WORK. COLOR CODE JUNCTION BOXES IN ACCESSIBLE CEILING SPACES AND EXPOSED UNFINISHED AREAS USING SPRAY PAINT ON THE JUNCTION BOX AND COVER AS FOLLOWS:
 - 240/120V ("UNPAINTED")
 - TELECOM (BLACK)
 - FIRE ALARM (RED)
 USE BLACK FELT TIP MARKER (WHITE FOR 480V POWER AND TELECOM) FOLLOWING PAINTING TO IDENTIFY THE CONTENTS IN 1 INCH HIGH LETTERS. IDENTIFICATION SHALL INCLUDE LOCATION OF CIRCUIT ORIGINATION USING OWNER STANDARD ROOM LABELING AS FOUND ON MOST DOOR JAMBS AND SHALL INCLUDE PANEL OR EQUIPMENT NAME AND CIRCUIT(S) CONTAINED WITHIN AS FOLLOWS:
 - (1) FED FROM: "PANEL"- "CIRCUIT(S)"
 - (2) "BUILDING" "FLOOR"- "ROOM"
- 17. BASIC MATERIALS AND METHODS
 - A. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS THROUGH FIRE RATED FLOOR AND WALL ASSEMBLIES TO MAINTAIN FIRE RESISTANCE RATING OF ASSEMBLY. CONTRACTOR IS RESPONSIBLE FOR REQUESTING AND ADHERING WITH CURRENT FIRESTOPPING MATERIAL AND INSTALLATION REQUIREMENTS FOR CPAI.
 - B. PROVIDE E2-PATH FOR HIGH TRAFFIC PENETRATIONS THROUGH FIRE RATED BARRIERS.
 - C. MULTIWIRE BRANCH CIRCUITS SHALL NOT BE USED ON THIS PROJECT. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH ITS OWN DEDICATED NEUTRAL CONDUCTOR.
 - D. LOW VOLTAGE WIRING (TELECOM, ACCESS CONTROL, ETC.) IN ACCESSIBLE CEILING SPACE SHALL BE SUPPORTED BY J-HOOKS AND/OR CABLE TRAY AS REQUIRED BY CONTRACT DOCUMENTS. BRIDLE RINGS ARE NOT ACCEPTABLE. CONTRACTOR SHALL REMOVE AND REPLACE BRIDLE RINGS WITHIN AREA OF WORK.
- 18. EXAMINATION
 - A. DRAWINGS INVOLVING EXISTING CONDITIONS ARE BASED ON BUILDING RECORD DRAWINGS AND/OR LIMITED FIELD OBSERVATION. CONDUCT A SITE INSPECTION PRIOR TO SUBMISSION OF BID TO BECOME THOROUGHLY FAMILIARIZED WITH THE SCOPE OF WORK. REPORT DISCREPANCIES TO CPAI PROJECT MANAGER BEFORE DISTURBING EXISTING INSTALLATION. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES. BEGINNING OF DEMOLITION IMPLIES CONTRACTOR ACCEPTS EXISTING CONDITIONS.
- 19. DEMOLITION OF EXISTING ELECTRICAL WORK
 - A. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
 - B. REMOVE ABANDONED, EXPOSED OR UNUSED WIRING, CONDUIT AND HARDWARE TO SOURCE OF SUPPLY. REMOVE EXPOSED AND ACCESSIBLE CONDUIT TO THE POINT WHERE IT BECOMES INACCESSIBLE. CONCEALED CONDUIT WHICH CAN NOT BE REMOVED WITHIN REASON SHALL BE CUT FLUSH AND SURFACE PATCHED AND/OR SEALED AS APPLICABLE.
 - C. DISCONNECT AND REMOVE ABANDONED DEVICES WITH ASSOCIATED CONDUIT, WIRE AND HARDWARE AS IDENTIFIED ON DRAWINGS. NOTIFY ENGINEER OF ANY DEVICES NOT SHOWN ON DRAWINGS THAT ARE WITHIN AREA OF WORK. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED. IN FINISHED AREAS, BLANK COVERS SHALL BE BLANK PLATES MATCHING THE DEVICE PLATES SPECIFIED FOR NEW WORK, UNLESS OTHERWISE NOTED OR SPECIFIED.
 - D. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
 - E. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANELS AS APPROPRIATE.
 - F. RESTORE CIRCUITS AND SYSTEMS THAT REMAIN THAT ARE AFFECTED IN ANY WAY BY DEMOLITION WORK SUCH AS LOADS DOWNSTREAM OF DEMOLISHED EQUIPMENT, SWITCHED LIGHTING CIRCUITS WHERE SELECTED LIGHT FIXTURES ARE DEMOLISHED, ETC.
 - G. CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO RECYCLE WASTE MATERIAL FROM DEMOLITION. CONTACT HABITAT FOR HUMANITY OR OTHER SOURCE TO RECYCLE USABLE MATERIALS SUCH AS LIGHTING, RECEPTACLES, COVERPLATES, JUNCTION BOXES, CONDUIT, ETC. CONTACT LOCAL METAL RECYCLER TO RECYCLE COPPER, STEEL AND ALUMINUM WASTE. UTILIZE CPAI IN HOUSE RECYCLING OR MUNICIPALITY RECYCLING CENTER FOR PAPER, CARDBOARD, PLASTIC, TIN, AND GLASS. UTILIZE ANCHORAGE REGIONAL COMPOST FACILITY FOR WOOD AND SHEETROCK WASTE. ITEMS NOT RECYCLABLE SHALL BE DISPOSED OF IN CPAI PROVIDED WASTE CONTAINER AND IN ACCORDANCE WITH LATEST CPAI DISPOSAL REQUIREMENTS.
 - H. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
- 20. MAINTAIN EXISTING SYSTEMS IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. PROVIDE DISRUPTION REQUEST AND COORDINATE WITH OWNER 24 HOURS PRIOR TO DISABLING SYSTEM. CONTRACTOR SHALL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION DUE TO INABILITY OF OWNER TO GRANT AN OUTAGE AT THE DESIRED TIME. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA
- 21. CLEANING AND REPAIR
 - A. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED OR ARE AFFECTED BY THIS WORK.
 - B. PANELBOARDS: CLEAN EXPOSED SURFACES AND INTERIOR OF CABINET. PROVIDE NEATLY TYPED, FULLY DETAILED BRANCH CIRCUIT DIRECTORY IN PANELS WITH UPDATED LOADS. ODD CIRCUITS ON LEFT, EVEN ON RIGHT.
- 26 05 19 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
- 22. BRANCH CIRCUIT WIRING SHALL BE 600 VOLT INSULATED AND SHALL HAVE THE FOLLOWING INSULATION TYPES:
 - A. HEATED INDOOR SPACES - THHN/THWN, XHHW, OR NM
 - B. OUTDOORS, WET LOCATIONS AND UNHEATED SPACES - XHHW
- 23. FEEDER WIRING SHALL BE 600 VOLT INSULATED AND SHALL HAVE THE FOLLOWING INSULATION TYPES:
 - A. HEATED INDOOR SPACES - THHN/THWN OR XHHW-2
 - B. OUTDOORS, WET LOCATIONS AND UNHEATED SPACES - XHHW-2
- 24. CONDUCTORS SHALL BE COPPER, SOLID OR STRANDED FOR WIRING #10 OR SMALLER, STRANDED FOR #8 OR LARGER. MINIMUM SIZE AS FOLLOWS:
 - A. #12 AWG FOR BRANCH CIRCUITS.
 - B. #16 AWG FOR LIGHTING FIXTURE WHIPS.
- 25. PROVIDE PROPERLY SIZED AND BONDED GROUNDING CONDUCTORS WITH POWER CIRCUITS.
- 26. BRANCH CIRCUIT CONDUCTORS SHOWN ON THE DRAWINGS ARE SIZED FOR AMPACITY ONLY UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL INCREASE FEEDER SIZES IF REQUIRED TO PREVENT FEEDER VOLTAGE DROP FROM EXCEEDING 3%. VOLTAGE DROP AT OUTLETS SHALL NOT EXCEED 5%.
- 26 05 33 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS
- 27. CONDUIT TYPES SPECIFICALLY APPROVED FOR USE ON THIS PROJECT SHALL BE OF THE TYPES LISTED HEREIN OR OTHER TYPES SPECIFICALLY IDENTIFIED ON THE DRAWINGS.
- 28. ELECTRICAL METALLIC TUBING - EMT
 - A. LOCATIONS PERMITTED: DRY INDOOR LOCATIONS CONCEALED OR EXPOSED, WHERE NOT SUSCEPTIBLE TO PHYSICAL DAMAGE.
 - B. MINIMUM SIZE: 1/2 INCH.
 - C. MAXIMUM SIZE: 3 INCH, EXCEPT WHERE SPECIFICALLY INDICATED ON THE DRAWINGS.
 - D. COUPLINGS AND CONNECTORS SHALL BE MADE OF STEEL OR MALLEABLE IRON. DIE-CAST PRODUCTS SHALL NOT BE USED. CONNECTORS SHALL HAVE INSULATED THROATS. CONNECTORS AND COUPLINGS SHALL BE SETSCREW OR COMPRESSION TYPE.
- 29. POLYVINYL CHLORIDE CONDUIT - PVC
 - A. MAY BE SCHEDULE 40 OR SCHEDULE 80, EXCEPT WHERE SCHEDULE 80 IS SPECIFICALLY NOTED OR SPECIFIED.
 - B. LOCATIONS PERMITTED: UNDERGROUND, UNDER SLAB OR ENCASED IN CONCRETE.
 - C. MINIMUM SIZE: 3/4 INCH.
 - D. FITTINGS SHALL BE POLYVINYL CHLORIDE, INSTALLED USING PVC SOLVENT TO FORM A WATERTIGHT JOINT, EXCEPT ELBOWS (INCLUDING BENDS EXCEEDING 15 DEGREES) SHALL BE METALLIC. THESE METALLIC ELBOWS AND BENDS SHALL BE OF THE TYPE SPECIFIED IN THIS SECTION FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.
- 30. BOXES FOR TELECOMMUNICATION OUTLETS SHALL BE A MINIMUM OF 4 INCHES SQUARE BY 2 1/8 INCHES DEEP. DEVICE RINGS FOR TELECOMMUNICATION OUTLETS SHALL BE SINGLE-GANG, MINIMUM 5/8 INCHES DEEP, TO PROVIDE A MINIMUM INTERNAL FINISHED DEPTH OF 2 3/4 INCHES.
- 31. MINIMUM SIZE FOR CONDUIT RUNS TO TELECOMMUNICATIONS OUTLETS SHALL BE 1 INCH AND UNLESS OTHERWISE INDICATED ON THE DRAWINGS SHALL SERVE NO MORE THAN ONE TELECOMMUNICATIONS OUTLET.
- 32. EMT CONDUIT UTILIZED FOR FIRE ALARM SYSTEM WIRING SHALL BE FACTORY PRE-PAINTED WITH A BRIGHT RED TOPCOAT, ALLIED FIRE ALARM RED OR AS APPROVED. OTHER CONDUIT TYPES UTILIZED FOR FIRE ALARM SYSTEM WIRING SHALL BE IDENTIFIED WITH RED PAINT OR RED TAPE WRAPPED A MINIMUM OF 4 TIMES AROUND THE CONDUIT EVERY 10 FEET AND AT EACH FIRE ALARM SYSTEM JUNCTION BOX.
- 33. IN OCCUPIED AREAS, CONDUIT AND RACEWAYS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE. IN SERVICE SPACES (MECHANICAL EQUIPMENT ROOMS, ELECTRICAL ROOMS, STORAGE CLOSETS, ETC.), RACEWAYS MAY BE SURFACE-MOUNTED FOR CONNECTION TO EQUIPMENT.
- 34. WHERE SPECIFICALLY NOTED ON THE DRAWINGS, RACEWAYS MAY BE MOUNTED ON THE SURFACE OF WALLS AND CEILINGS IN OCCUPIED AREAS. EXPOSED RACEWAYS SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACES.
- 35. PULL WIRES SHALL BE PROVIDED IN SPARE AND UNUSED CONDUITS. (NYLON "JET-LINE" OR AS APPROVED.)
- 36. PROVIDE FLEXIBLE CONDUIT CONNECTION AT SEISMIC JOINTS TO ALLOW FOR DISPLACEMENT OF CONDUIT IN ALL THREE AXES. PROVIDE APPROPRIATE LENGTHS OF FLEXIBLE CONDUITS AT SEISMIC JOINTS AND APPROPRIATE AMOUNTS OF SLACK IN CONDUIT TO ALLOW MOVEMENT OF CONDUIT/CABLING IN ACCORDANCE WITH THE DESIGN OF THE SEISMIC JOINT.
- 26 27 26 WIRING DEVICES
- 37. COLOR OF RECEPTACLES AND SWITCHES SERVED BY NORMAL BRANCH SHALL MATCH EXISTING WIRING DEVICES IN AREA OF WORK. IF NO EXISTING WIRING DEVICES ARE TO REMAIN, WIRING DEVICES SERVED BY THE NORMAL BRANCH SHALL BE WHITE IN COLOR.
- 38. THE CATALOG NUMBERS LISTED BELOW ARE THE BASIS OF DESIGN. EQUAL DEVICES MANUFACTURED BY ARROW HART, PASS AND SEYMOUR, LEVITON AND BRYANT ARE ACCEPTABLE.
 - A. SINGLE POLE LIGHT SWITCH: HUBBELL WIRING PART NUMBER 1221
 - B. NEMA 5-20, 20A, 125V: HUBBELL WIRING PART NUMBER HBL8300
 - C. NEMA 5-20, 20A, 125V GFCI: HUBBELL WIRING PART NUMBER GFR8300HST
 - D. NEMA 5-20, 20A, 125V TAMPER RESISTANT: HUBBELL WIRING PART NUMBER HBL8300SG
 - E. NEMA 5-20, 20A, 125V TAMPER RESISTANT GFCI: HUBBELL WIRING PART NUMBER GFR8300SG
- 40. DEVICE PLATES SHALL MATCH BUILDING STANDARD.
- 26 28 00 LOW-VOLTAGE CIRCUIT PROTECTIVE DEVICES
- 41. MOLDED CASE CIRCUIT BREAKERS
 - A. WHERE INSTALLED IN AN EXISTING PANELBOARD, CIRCUIT BREAKER SHALL BE OF THE SAME MANUFACTURER AS PANELBOARD AND LISTED FOR USE IN EXISTING PANELBOARD. RATINGS SHALL BE AS SHOWN ON PANEL SCHEDULES AND/OR DRAWINGS.
 - B. CIRCUIT BREAKERS SHALL HAVE A PERMANENT TRIP UNIT CONTAINING INDIVIDUAL THERMAL AND MAGNETIC TRIP ELEMENTS IN EACH POLE.
 - C. AMPERAGE INTERRUPT RATING SHALL BE EQUAL TO OR GREATER THAN THE SHORT CIRCUIT CURRENT RATING OF THE PANEL AND CLEARLY POSTED WITHOUT REMOVAL OF PANEL COVER.
- 26 50 00 LIGHTING
- 44. FIELD COORDINATE LIGHT FIXTURE PLACEMENT AS NEEDED TO MEET GENERAL ILLUMINATION REQUIREMENTS LISTED BELOW:
 - A. AT THE THRESHOLD OF THE PLATFORM FLOOR, WITH THE LANDING DOOR OPEN, THE MINIMUM ILLUMINATION SHALL NOT BE LESS THAN 5 FOOTCANDLES.
 - B. DURING OPERATION, THE MINIMUM ILLUMINATION ON THE FLOOR AND CONTROLS SHALL NOT BE LESS THAN 5 FOOTCANDLES.
 - C. LIGHTING FIXTURES USED TO COMPLY WITH THE ABOVE ITEMS CAN NOT BE SWITCHED, AND MUST BE AUTO-ON WHILE BUILDING IS OCCUPIED.

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KENAITZE INDIAN TRIBE
BIRCH TREE HOUSE
TWO STOP LIFT ADDITIONS
 510 UPLAND STREET

Revisions		
No.	Description	Date

Drawn by SEB	Date 19 FEB 2021
Checked JEH	Job No. 21008.01

Sheet Contents
 SPECIFICATIONS

Sheet No.
E0.2

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- ### SHEET NOTES
- 1 DISCONNECT, REMOVE, AND PREPARE PANEL FOR RELOCATION IAW SHEET E2.1, INCLUDING INCOMING FEEDER AND OUTGOING BRANCH CIRCUITS. REUSE INCOMING FEEDER CONDUIT AND CONDUCTORS, AND BRANCH CIRCUIT CABLING IN GOOD CONDITION. PROVIDE ACCESS HATCHES OR REMOVABLE PANELS AS REQUIRED FOR NEC REQUIRED ACCESS TO JUNCTION BOXES. PATCH AND RESTORE FIRE RATING OF STAIRWELL WALL TO 60 MINUTES.
 - 2 DISCONNECT LIGHTING FIXTURE FROM SWITCHED LIGHTING CIRCUIT. FIELD COORDINATE AND CONNECT TO LOCAL UNSWITCHED 120V CIRCUIT.
 - 3 DEMOLISH EXISTING LIGHTING FIXTURES INCLUDING CONDUIT AND CONDUCTORS BACK TO PROTECTIVE DEVICE OR LAST DEVICE EXISTING TO REMAIN AND MAKE SAFE.
 - 4 DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND PREPARE FOR REINSTALLATION IAW SHEET E2.1. RESERVE CONDUIT AND CONDUCTORS FOR REUSE.
 - 5 DISCONNECT AND REMOVE EXISTING DATA DEVICE AND PREPARE FOR REINSTALLATION IAW SHEET E2.1. DEMOLISH TELECOM CABLING BACK TO IT PANEL.
 - 6 DISCONNECT AND REMOVE LIGHTING FIXTURE AND PREPARE FOR REINSTALLATION IAW SHEET E2.1.

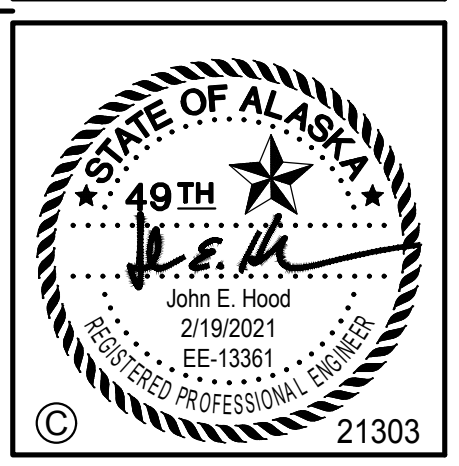
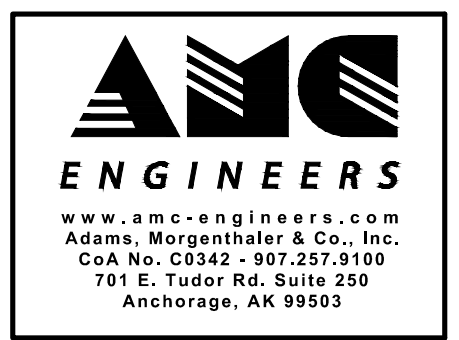
1 DEMOLITION BASEMENT – ELECTRICAL
 E1.1 SCALE: 3/16" = 1'-0"
 0 2' 4' 8' 12'

2 DEMOLITION FIRST FLOOR – ELECTRICAL
 E1.1 SCALE: 3/16" = 1'-0"
 0 2' 4' 8' 12'

3 DEMOLITION SECOND FLOOR – ELECTRICAL
 E1.1 SCALE: 3/16" = 1'-0"
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TWO STOP LIFT ADDITIONS
 510 UPLAND STREET

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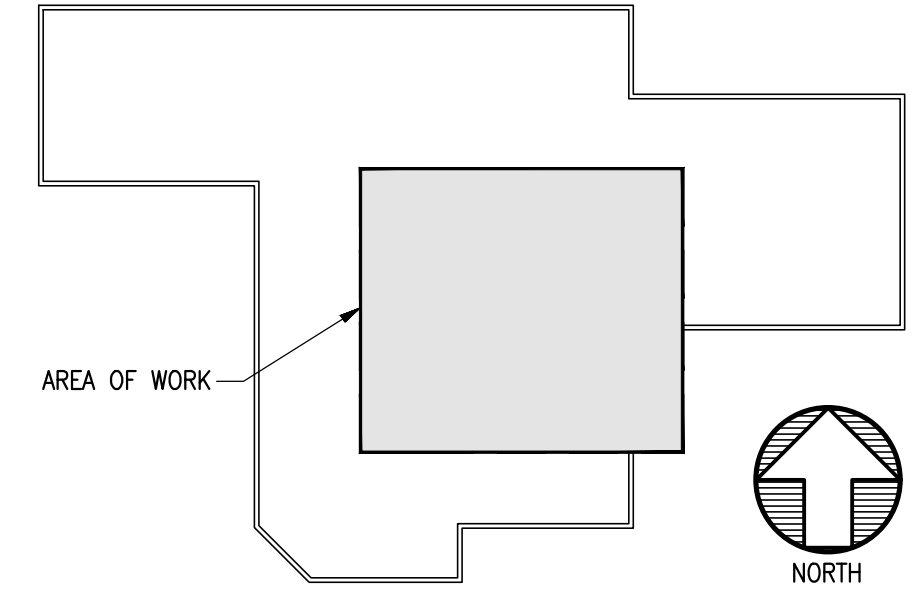
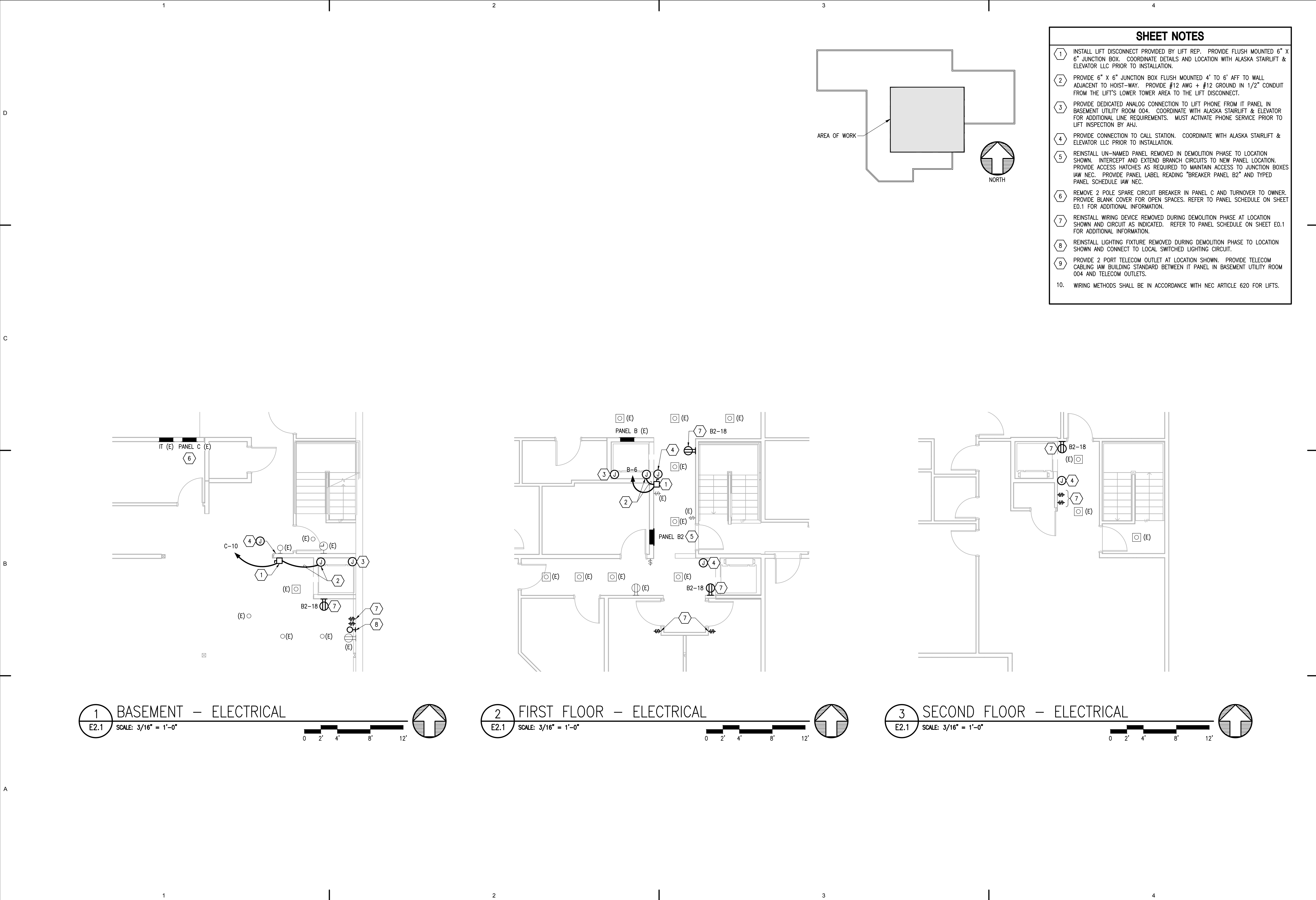
Sheet Contents
 DEMOLITION PLANS -
 ELECTRICAL

Sheet No.
E1.1

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Plot Date Time: 2/19/2021 2:14:12 PM



- ### SHEET NOTES
1. INSTALL LIFT DISCONNECT PROVIDED BY LIFT REP. PROVIDE FLUSH MOUNTED 6" X 6" JUNCTION BOX. COORDINATE DETAILS AND LOCATION WITH ALASKA STAIRLIFT & ELEVATOR LLC PRIOR TO INSTALLATION.
 2. PROVIDE 6" X 6" JUNCTION BOX FLUSH MOUNTED 4' TO 6' AFF TO WALL ADJACENT TO HOIST-WAY. PROVIDE #12 AWG + #12 GROUND IN 1/2" CONDUIT FROM THE LIFT'S LOWER TOWER AREA TO THE LIFT DISCONNECT.
 3. PROVIDE DEDICATED ANALOG CONNECTION TO LIFT PHONE FROM IT PANEL IN BASEMENT UTILITY ROOM 004. COORDINATE WITH ALASKA STAIRLIFT & ELEVATOR FOR ADDITIONAL LINE REQUIREMENTS. MUST ACTIVATE PHONE SERVICE PRIOR TO LIFT INSPECTION BY AHJ.
 4. PROVIDE CONNECTION TO CALL STATION. COORDINATE WITH ALASKA STAIRLIFT & ELEVATOR LLC PRIOR TO INSTALLATION.
 5. REINSTALL UN-NAMED PANEL REMOVED IN DEMOLITION PHASE TO LOCATION SHOWN. INTERCEPT AND EXTEND BRANCH CIRCUITS TO NEW PANEL LOCATION. PROVIDE ACCESS HATCHES AS REQUIRED TO MAINTAIN ACCESS TO JUNCTION BOXES IAW NEC. PROVIDE PANEL LABEL READING "BREAKER PANEL B2" AND TYPED PANEL SCHEDULE IAW NEC.
 6. REMOVE 2 POLE SPARE CIRCUIT BREAKER IN PANEL C AND TURNOVER TO OWNER. PROVIDE BLANK COVER FOR OPEN SPACES. REFER TO PANEL SCHEDULE ON SHEET E0.1 FOR ADDITIONAL INFORMATION.
 7. REINSTALL WIRING DEVICE REMOVED DURING DEMOLITION PHASE AT LOCATION SHOWN AND CIRCUIT AS INDICATED. REFER TO PANEL SCHEDULE ON SHEET E0.1 FOR ADDITIONAL INFORMATION.
 8. REINSTALL LIGHTING FIXTURE REMOVED DURING DEMOLITION PHASE TO LOCATION SHOWN AND CONNECT TO LOCAL SWITCHED LIGHTING CIRCUIT.
 9. PROVIDE 2 PORT TELECOM OUTLET AT LOCATION SHOWN. PROVIDE TELECOM CABLING IAW BUILDING STANDARD BETWEEN IT PANEL IN BASEMENT UTILITY ROOM 004 AND TELECOM OUTLETS.
 10. WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC ARTICLE 620 FOR LIFTS.

1 BASEMENT - ELECTRICAL
 E2.1 SCALE: 3/16" = 1'-0"
 0 2' 4' 8' 12'

2 FIRST FLOOR - ELECTRICAL
 E2.1 SCALE: 3/16" = 1'-0"
 0 2' 4' 8' 12'

3 SECOND FLOOR - ELECTRICAL
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STATE OF ALASKA
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 2/19/2021
 EE-13361
 REGISTERED PROFESSIONAL ENGINEER
 21303

KENAITZE INDIAN TRIBE
 BIRCH TREE HOUSE
 TWO STOP LIFT ADDITIONS
 510 UPLAND STREET

Revisions		
No.	Description	Date

Drawn by SEB	Date 19 FEB 2021
Checked JEH	Job No. 21008.01

Sheet Contents
 FLOOR PLANS - ELECTRICAL

Sheet No.
E2.1

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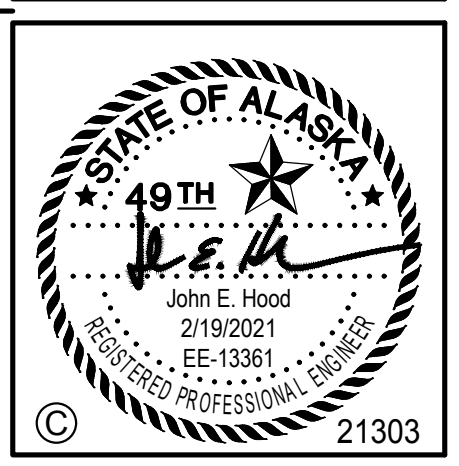
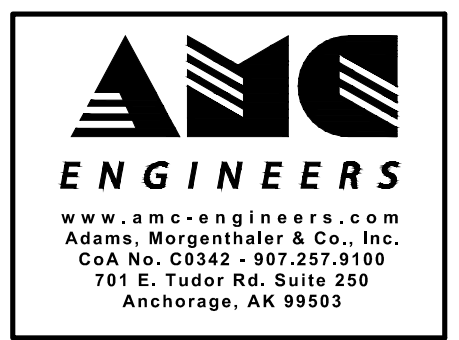


- ### SHEET NOTES - DETAIL 2/E3.1
1. INSTALL LIFT DISCONNECT PROVIDED BY LIFT REP. PROVIDE FLUSH MOUNTED 6" X 6" JUNCTION BOX. COORDINATE DETAILS AND LOCATION WITH ALASKA STAIRLIFT & ELEVATOR LLC PRIOR TO INSTALLATION.
 2. PROVIDE 6" X 6" JUNCTION BOX FLUSH MOUNTED 4' TO 6" AFF TO WALL ADJACENT TO HOIST-WAY. PROVIDE #12 AWG + #12 GROUND IN 1/2" CONDUIT FROM THE LIFT'S LOWER TOWER AREA TO THE LIFT DISCONNECT.
 3. PROVIDE DEDICATED ANALOG CONNECTION TO LIFT PHONE FROM IT PANEL IN BASEMENT UTILITY ROOM 004. COORDINATE WITH ALASKA STAIRLIFT & ELEVATOR FOR ADDITIONAL LINE REQUIREMENTS. MUST ACTIVATE PHONE SERVICE PRIOR TO LIFT INSPECTION BY AHJ.
 4. PROVIDE CONNECTION TO CALL STATION. COORDINATE WITH ALASKA STAIRLIFT & ELEVATOR LLC PRIOR TO INSTALLATION.
 5. REMOVE 2 POLE SPARE CIRCUIT BREAKER IN PANEL C AND TURNOVER TO OWNER. PROVIDE BLANK COVER FOR OPEN SPACES. REFER TO PANEL SCHEDULE ON SHEET E0.1 FOR ADDITIONAL INFORMATION.
 6. REINSTALL WIRING DEVICE REMOVED DURING DEMOLITION PHASE AT LOCATION SHOWN AND CIRCUIT AS INDICATED. REFER TO PANEL SCHEDULE ON SHEET E0.1 FOR ADDITIONAL INFORMATION.
 7. REINSTALL LIGHTING FIXTURE REMOVED DURING DEMOLITION PHASE TO LOCATION SHOWN AND CONNECT TO LOCAL SWITCHED LIGHTING CIRCUIT.
 8. PROVIDE 2 PORT TELECOM OUTLET AT LOCATION SHOWN. PROVIDE TELECOM CABLING IAW BUILDING STANDARD BETWEEN IT PANEL IN BASEMENT UTILITY ROOM 004 AND TELECOM OUTLETS.
 9. WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC ARTICLE 620 FOR LIFTS.

- ### DEMO SHEET NOTES - DETAIL 1/E3.1
1. DISCONNECT LIGHTING FIXTURE FROM SWITCHED LIGHTING CIRCUIT. FIELD COORDINATE AND CONNECT TO LOCAL UNSWITCHED 120V CIRCUIT.
 2. DEMOLISH EXISTING LIGHTING FIXTURES INCLUDING CONDUIT AND CONDUCTORS BACK TO PROTECTIVE DEVICE OR LAST DEVICE EXISTING TO REMAIN AND MAKE SAFE.
 3. DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND PREPARE FOR REINSTALLATION IAW DETAIL 2/E3.1. RESERVE CONDUIT AND CONDUCTORS FOR REUSE.
 4. DISCONNECT AND REMOVE EXISTING DATA DEVICE AND PREPARE FOR REINSTALLATION IAW DETAIL 2/E3.1. DEMOLISH TELECOM CABLING BACK TO IT PANEL.
 5. DISCONNECT AND REMOVE LIGHTING FIXTURE AND PREPARE FOR REINSTALLATION IAW SHEET E2.1.



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 BASEMENT ELECTRICAL -
 ALTERNATE

Sheet No.
E3.1

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