

CBC REFERENCE	DESCRIPTION	REQUIRED/ALLOWED	EXISTING	PROPOSED	COMMENTS
13-56-040	Building Classification	Class A-2, multiple dwelling	Class A-2, multiple dwelling	Class A-2, multiple dwellings	
13-60-070	Construction Type	Type IV-A	Type IV-A	Type IV-A	
Division 3	Use and Occupancy Classifications				
Chapter 13-64	Residential Units				
13-64-020	Special Enclosures and Separations				
	Separation of dwelling units	1 hr	compliant	compliant	
	Separation of corridors	1 hr	N/A	N/A	Building does not include corridors between units.
	Separation of areas over 5,000 sf	2 hr	N/A	N/A	Building area does not exceed 5,000 sf
13-64-050	Ceiling heights				
	Minimum ceiling height	7'-6"	3'-0"	7'-6" at Mudroom	Non-compliant ceiling heights in scope of work to be removed.
	Rooms under sloping roofs	5'-0" to 7'-6", 50% area max	non-compliant	compliant	
	Beams or furred spaces	7'-0", 20% area max	non-compliant	compliant	
Division 5	General Building Heights and Areas				
13-48-030	Application of Height Limitations				
	Stories	3	3	3	Complies with Note (h). Other requirements notwithstanding, three floors shall be permitted in one-, two-, and three-family structures when exterior wood frame walls provide one-hour protection from fire exposure inside and out, when the third floor area of any separate unit does not exceed 800 square feet and when the ground floor does not exceed 1,600 square feet.
13-48-080	Area Limitations	40 4,000 sf x .90 = 3,600 sf	30'-11" 2,665 sf	30'-11" 3,200 sf	
Division 7	Fire-Resistance-Rated Construction				
13-65-100	Required Hours of Fire Resistance				
	Exterior Bearing Walls	1	1	1	
	Exterior Nonbearing Walls				
	(All Exposures)	1	1	1	
	Interior Bearing Walls	1	1	1	
	Interior Nonbearing Walls & Partitions	0 (g)	0	0	Note (g): Vertical shafts to be 1-hr rated
	Exterior Columns	1	N/A	N/A	
	Interior Columns				
	Supporting Roofs Only	1/2 (f)	1/2	1/2	Note (f) doesn't apply.
	Other Columns	1	1	1	
	Beams, Girders, & Trusses				
	Supporting Roofs Only	1/2 (f)	1/2	1/4	Note (f) doesn't apply.
	Other Beams, Girders, & Trusses	1	1	1	
	Floor Construction	1	1	1	
	Roof Construction	1/2 (f)	1/2	1/2	Note (f) doesn't apply.
15-8-110	Protection of Openings	not required	not required	not required	Complies with (a) Protection of openings in exterior walls, except as required for protection of vertical exits in chapter 13-160, shall not be required in the following buildings: (1) church auditoriums; (2) residential units not more than four stories in height; and (3) buildings of any occupancy of Types IV-A or IV-B construction.
Division 10	Means of Egress				
13-160-050	Minimum Number of Exits				
	First Floor	2	2	2	
	Second Floor	2	2	2	
	Third Floor	1	1	1	Complies with subsection (o). In single-family dwellings and in two-unit multi-family dwellings not over three stories, the second exit from the third floor of a unit may be waived if: (1) the third floor area of that unit is not over 800 square feet; (2) in addition to the interior stair, a second exit is provided from the second floor to an exterior porch or deck leading to finish grade; (3) said porch or deck is not higher than 12 feet above finish grade; (4) each habitable room on the third floor is provided with at least one outside operable window having a sill height not higher than 44 inches above the finished floor and a minimum clear opening of either 24 inches horizontally or 36 inches vertically, and a minimum area of six square feet; (5) all bedrooms are provided with 1 3/4 inch thick solid core doors and with 1 3/4 solid inch rabbetted door jambs; and (6) either the interior stair termination at the third floor is enclosed with a solid core door set in solid wood jambs as described in subsection (o)(5) of this section, or a balcony is provided at the third level with a minimum depth of three feet perpendicular to the exterior building wall.
13-160-140	Maximum Travel Distances	100 ft	100-9"	60'-1"	
13-160-200	Minimum Exit Width	32 in	32 in	32 in	
	Doors	36 in	varied	40 in	
13-160-290	Stairways				Note: Existing interior stair does not comply and will be demolished.
	Interior Stair #1 (front)				
	Treads and risers				
	Max height of risers	8 in	N/A	7.42 in	
	Min depth of tread	10 in	N/A	11 in	
	Value of 2 risers + 1 tread	24 min, 27 max	N/A	25.84	
	Min Winder depth @ 18" from rail	tread depth or 9 in	N/A	N/A	
13-160-310	Landings				
	Max vertical rise between landings	12 ft	N/A	9'-10 3/4"	
	Min length	length of stair	N/A	N/A	
13-160-320	Handrails				
	Number required	1 side per stair	N/A	1 side per stair	Note (a) (1): Stairs less than 44 inches wide may have handrail on one side only.
	Height	2'-10" to 3'-2" above floor	N/A	2'-10" to 3'-2" above floor	
	Interior Stair #2 (rear)				
	Treads and risers				
	Max height of risers	8 in	N/A	7.94 in	
	Min depth of tread	10 in	N/A	11 in	
	Value of 2 risers + 1 tread	24 min, 27 max	N/A	26.88 in	
	Min Winder depth @ 18" from rail	tread depth or 9 in	N/A	11 in	
13-160-310	Landings				
	Max vertical rise between landings	12 ft	N/A	8'-5 3/8"	
	Min length	length of stair	N/A	N/A	
13-160-320	Handrails				
	Number required	1 side per stair	N/A	1 side per stair	Note (a) (1): Stairs less than 44 inches wide may have handrail on one side only.
	Height	2'-10" to 3'-2" above floor	N/A	2'-10" to 3'-2" above floor	
13-160-580	Exterior Stairs				Front exterior stair to remain with guardrails and handrails updated. Rear exterior stair to be demolished and replaced with new interior stair.
13-160-300	Treads and risers				
	Max height of risers	8 in	7 in	7 in	
	Min depth of tread	10 in	11.25 in	11.25 in	
	Value of 2 risers + 1 tread	24 min, 27 max	25.50	25.52	
	Min Winder depth @ 18" from rail	tread depth or 9 in	N/A	N/A	
13-160-310	Landings				
	Max vertical rise between landings	12 ft	8 ft	10 ft	
	Min length	length of stair	N/A	N/A	
13-160-320	Handrails				
	Number required	2 side per stair	not provided	2 side per stair	Note (a) (1): Stairs less than 44 inches wide may have handrail on one side only.
	Height	2'-10" to 3'-2" above floor	N/A	2'-10" to 3'-2" above floor	

CBC REFERENCE	DESCRIPTION	REQUIRED/ALLOWED	EXISTING	PROPOSED	COMMENTS
Division 13	Energy Efficiency and Environmental Protection				
18-13-330	Insulation and Fenestration Requirements				
	Fenestration U-Factor	max 0.32		max 0.30	
	Skylight U-Factor	max 0.55		max 0.45	
	Glazed Fenestration SHGC	NR	unknown	max .29	
	Ceiling R-Value	49	19	49	
	Wood frame Wall R-Value	20 or 13+5	no insulation in existing walls	new walls - 21 existing walls - 13	Existing 2x4 walls to be filled with open cell spray foam insulation
	Mass Wall R-Value	13/17	N/A	N/A	
	Floor R-Value	30	N/A	N/A	
	Basement Wall R-Value	10/13	N/A	N/A	
	Slab R-Value and Depth	10 and 2 ft	unknown	10	
	Crawlspace R-Value	15/19	N/A	N/A	
Division 33	Safeguards During Construction				
13-124-310	Guards				
	Required - Where	2'-0" or more above grade or finish floor	compliant	compliant	
	Types				
	Height	3'-6" min	non-compliant	compliant	
	Stair guard height	34" to 38"	non-compliant	compliant	For single-family and two-family dwellings, and within individual dwelling units in other Class A-2 occupancies guards whose top rail also serves as a handrail shall have a height of not less than 34 in and not more than 38 in, measured vertically from the leading edge of the stair tread nosing.
	Openings in guards				
	up to 34" in height	max 4" diameter sphere	non-compliant	compliant	
	@ 34" to 42" in height	max 8" diameter sphere	non-compliant	compliant	
	@ triangular stair openings	max 6" diameter sphere	non-compliant	compliant	

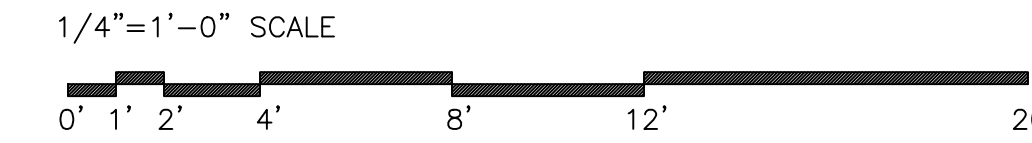
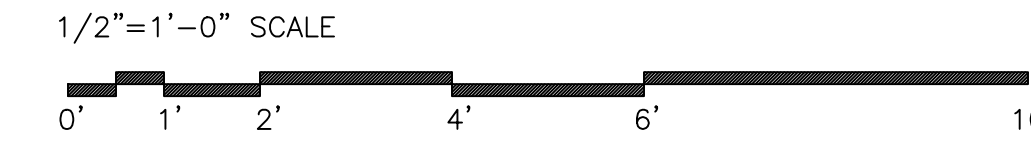
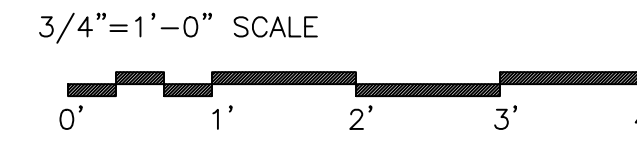
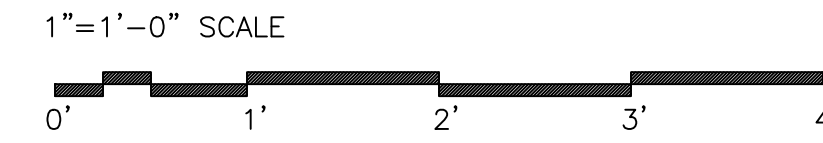
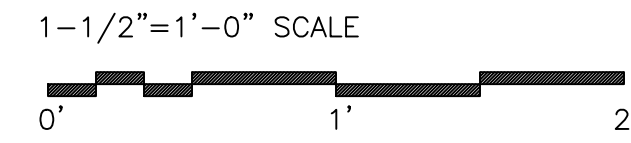
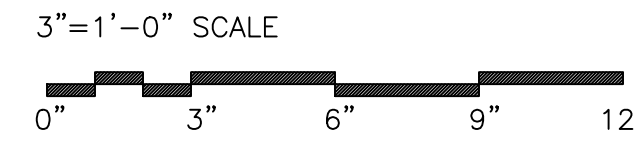
ZONING REFERENCE	DESCRIPTION	REQUIRED/ALLOWED	EXISTING	PROPOSED	COMMENTS
RS-3 Zoning District					
17-2-0207	Use Group	Res/Household/2-Flat	Res/Household/2-Flat	Existing to Remain	
17-2-0305-A	Minimum Lot Area/Unit	2,500 SF/unit	3126.88	Existing to Remain	
17-2-0304-A	Max FAR	0.90	0.85	1.02	Request FAR increase of 13.72% over Allowed FAR for addition of Master Bedroom Suite on Third Floor through the raising of the roof, and Rear Two-Story Addition.
	Building SF (for FAR)	2814.19	2665.00	3200.00	
17-2-0305	Front Setbacks	15, 18'	15.43'	Existing to Remain	
17-2-0305-C	Rear Setbacks	36'	57'-3"	47'-10"	
17-2-0307	Rear Yard Open Space	450 SF	736 SF	756 SF	
	SF per DU	225 x 2 = 450 SF			
	% of Lot Area	3126 x 6.5% = 203 SF			
	Rear Yard Min Dimension	15' Min	32'	23'	
17-2-0309-A	Side Setbacks				
	Combined - 20% Lot Width	5'	4.77'	4.77'	Request relief of Required Combined and North Side Setbacks to match existing Side Setbacks on the third-floor raised-roof addition. Walls proposed to be added to the third floor 8 feet vertically for a maximum horizontal distance of 26 feet to create a Master Bedroom Suite at the front of the house, matching existing side walls and roof of the rear of the house. New walls and roof to be set back 2 ft from the front facade of the house. Request relief of North Side Setback for rear Rear Addition to match existing North Side Setback of 1.38 ft. Length of additional area of non-compliance to be a maximum of 18 ft long and two stories high.
	Each - 2 ft or 8% Lot Width	2' Min	1.38'	1.38'	
17-2-0311-A	Max Building Height	30'-0"	28'-5"	Existing to Remain	
17-2-0401	Blank Walls				
	Min Window/Door Area	17.50%	18.79%	24.04%	

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	Skylight U-Factor	max 0.55		max 0.45	
	Glazed Fenestration SHGC	NR	unknown	max .29	
	Ceiling R-Value	49	19	49	
	Wood frame Wall R-Value	20 or 13+5	no insulation in existing walls	new walls - 21 existing walls - 13	Existing 2x4 walls to be filled with open cell spray foam insulation
	Mass Wall R-Value	13/17	N/A	N/A	
	Floor R-Value	30	N/A	N/A	
	Basement Wall R-Value	10/13	N/A	N/A	
	Slab R-Value and Depth	10 and 2 ft	unknown	10	
	Crawlspace R-Value	15/19	N/A	N/A	
Division 33	Safeguards During Construction				
13-124-310	Guards				
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	Types				
	Height	3'-6" min	non-compliant	compliant	
	Stair guard height	34" to 38"	non-compliant	compliant	For single-family and two-family dwellings, and within individual dwelling units in other Class A-2 occupancies guards whose top rail also serves as a handrail shall have a height of not less than 34 in and not more than 38 in, measured vertically from the leading edge of the stair tread nosing.
	Openings in guards				
	up to 34" in height	max 4" diameter sphere	non-compliant	compliant	
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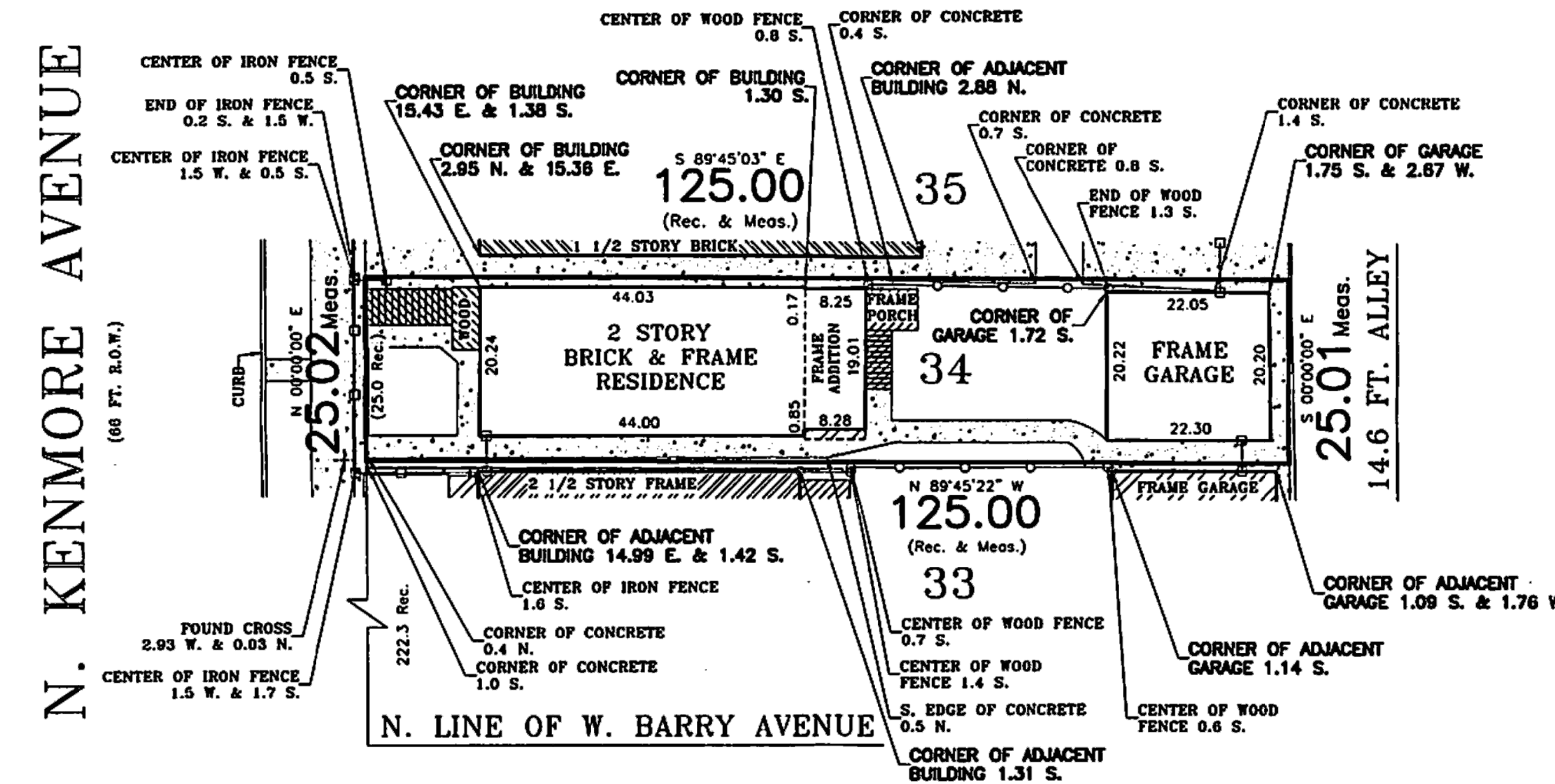
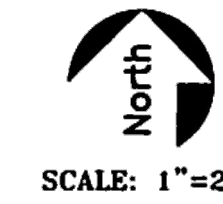
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Division 13	Energy Efficiency and Environmental Protection				
18-13-330	Insulation and Fenestration Requirements				
	Fenestration U-Factor	max 0.32		max 0.3	



PLAT OF SURVEY of

LOT 34 IN LINDEMANN'S SUBDIVISION OF BLOCK 1 IN THE SUBDIVISION OF OUTLOTS 2 AND 3, IN THE CANAL TRUSTEES SUBDIVISION OF THE EAST HALF OF SECTION 29,
TOWNSHIP 40 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

ADDRESS: 3123 N. KENMORE AVENUE, CHICAGO, ILLINOIS
P.I.N. 14-29-203-013



GENERAL NOTES:

- 1) THE LEGAL DESCRIPTION HAS BEEN PROVIDED BY THE CLIENT OR THEIR AGENT.
- 2) THIS SURVEY SHOWS THE BUILDING LINES AND EASEMENTS AS INDICATED BY THE RECORDED PLAT. THIS PLAT DOES NOT SHOW ANY RESTRICTIONS ESTABLISHED BY LOCAL ORDINANCES UNLESS SUPPLIED BY THE CLIENT.
- 3) BASIS OF BEARING FOR THIS SURVEY IS AS ASSUMED NORTH.
- 4) IF STAKING IS REQUIRED AS A MATTER OF URGENCY OR FOR CONSTRUCTION, PLEASE NOTIFY THE OFFICE. OTHERWISE THIS PROPERTY WILL BE STAKED WHEN WE HAVE A CREW SCHEDULED TO WORK IN THE VICINITY.
- 5) LOCATION OF SOME FEATURES MAY BE EXAGGERATED FOR CLARITY. NO INTERPOLATIONS MAY BE MADE FROM THE INFORMATION SHOWN HEREON.
- 6) ONLY COPIES WITH AN ORIGINAL SIGNATURE AND SEAL ARE OFFICIAL LEGAL DOCUMENTS. ALL SURVEYS ARE COPYRIGHTED MATERIALS WITH ALL RIGHTS RESERVED.

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

SURVEY ORDERED BY: JOHN J. ZACHARA
I, MICHAEL J. LOPEZ, AS AN EMPLOYEE OF PREFERRED SURVEY INC., DO HEREBY STATE THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARD FOR A BOUNDARY SURVEY. PROPERTY CORNERS HAVE BEEN SET OR NOT IN ACCORDANCE WITH CLIENT AGREEMENT. DIMENSIONS ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF AND ARE CORRECTED TO A TEMPERATURE OF 68 DEGREES FAHRENHEIT.

GIVEN UNDER MY HAND AND SEAL THIS
10TH DAY OF MAY A.D. 2019
BY: *[Signature]*
MY LICENSE EXPIRES ON 11/30/20
P.S.I. NO. 150666

Professional Design Registration #184-002795

Preferred SURVEY, INC.
7845 W. 79TH STREET, BRIDGEVIEW, IL 60455
Phone 708-458-7845 / Fax 708-458-7855
www.praisurvey.com

Field Work Completed	05/08/2019	FLD CREW:	AMZ/TT
Land Area Surveyed	3,127.3 Sq. Ft.	CAD:	EG
Drawing Revised			



Stamp



Date Signed: 10.28.2019

State of Illinois Professional Firm
License No. 184007840-0001

No.	Permit Set	10.28.19
	Revision/Issue	Date

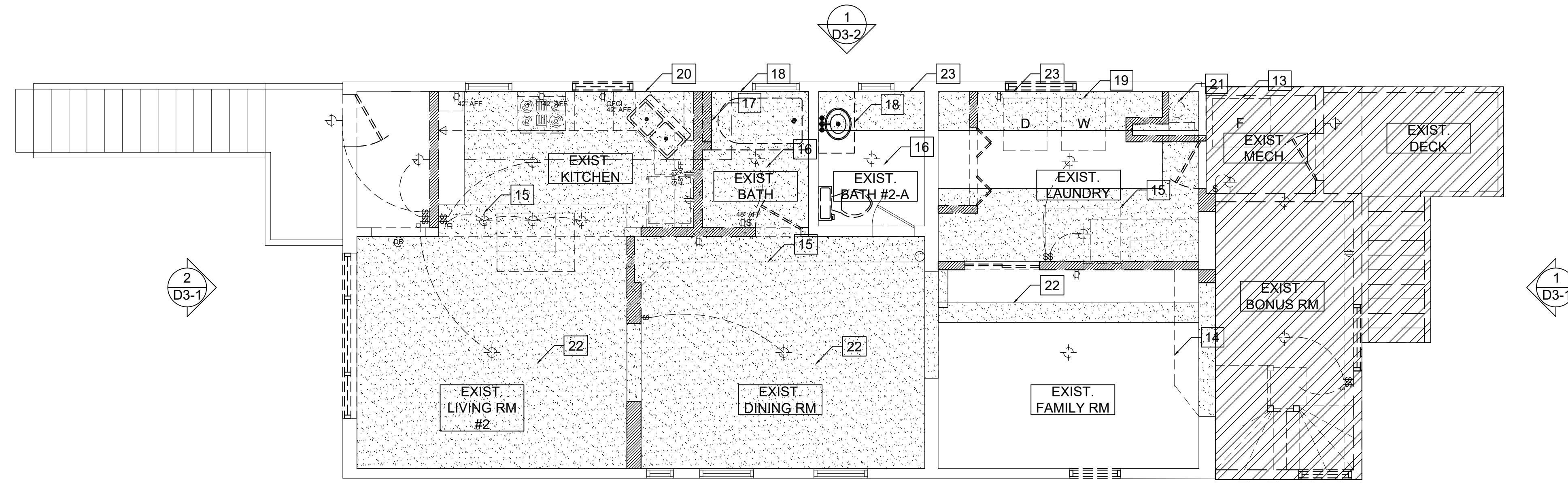
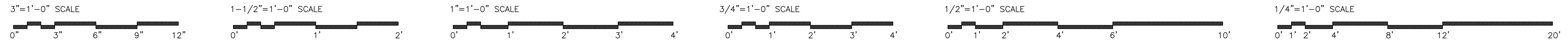
Firm Name and Address

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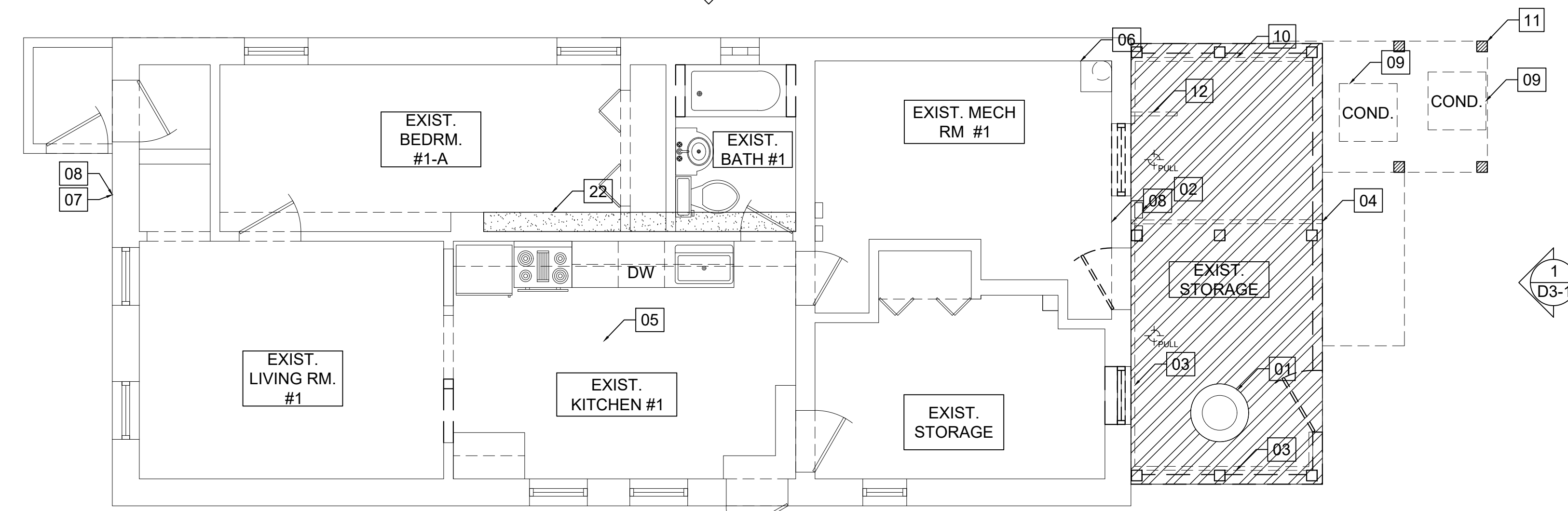
Project Name and Address

**Chang Residence
Renovation + Addition**
3123 N Kenmore Avenue
Chicago, IL 60657

Project	2019.001	Sheet	G1-1
Date	10.28.2019		Plat of Survey
Scale	1"=20'		



2 SECOND FLOOR DEMOLITION PLAN



1 FIRST FLOOR DEMOLITION PLAN

DEMOLITION PLAN LEGEND:	
	EXISTING WALL TO REMAIN
	DEMOLISH EXISTING WALL AND ALL MECH, ELEC, PLUMB IN WALL
	EXISTING DOOR TO REMAIN
	DEMOLISH EXISTING DOOR
	EXISTING WINDOW TO REMAIN
	DEMOLISH EXISTING WINDOW
	AREA OF COMPLETE DEMOLITION (STRUCTURE, FLOOR, CEILING, WALLS, MECH., ELEC., PLUMB.)
	DEMOLISH EXISTING FLOOR STRUCTURE
	DEMOLISH EXISTING SOFFIT AND CEILING
	DEMOLISH EXISTING ROOF STRUCTURE
	DEMOLISH EXISTING ROOFING AND SHEATHING

DEMOLITION PLAN GENERAL NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH APPLICABLE BUILDING CODES AS REQUIRED BY THE CHICAGO BUILDING CODE AND ALL CODES REFERENCED THEREIN.
- FIELD VERIFY THE THE SCOPE OF DEMOLITION WORK WITHIN THE DEMOLITION AREA. THE FOLLOWING ITEMS FOUND WITHIN THE DEMOLITION ARE TO BE REMOVED UNLESS OTHERWISE NOTED: WALLS, JOISTS, POSTS, BEAMS, FOUNDATIONS, FLOOR AND WALL FINISHES, CEILINGS, TRIM, PLUMBING, DUCTWORK, REGISTERS, EQUIPMENT, CASEWORK, FIXTURES, ELECTRICAL WIRING, CONDUIT, OUTLETS, JUNCTION BOXES, AND LIGHTING.
- ALL LOAD BEARING ELEMENTS ARE TO REMAIN UNLESS OTHERWISE NOTED. ALL BEARING ELEMENTS NOT TO BE REMOVED ARE TO BE PROTECTED DURING CONSTRUCTION.
- PROVIDE SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION OR FINISHES THAT ARE TO REMAIN. AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE IN AREA OF DEMOLITION.
- ALL SURFACES TO REMAIN ARE TO BE CLEANED, PATCHED, & PREPARED TO RECEIVE NEW FINISHES.
- SEE DEMO PLAN LEGEND AND NOTES FOR SCOPE OF DEMOLITION WORK.
- ALL LIGHT FIXTURES, SWITCHES, AND WIRING SHOWN IN DEMO PLAN TO BE DEMOLISHED. IF EXISTING ELECTRICAL WIRING IS NOT SHOWN, IT IS TO REMAIN UNLESS PART OF A WALL TO BE DEMOLISHED.
- SEE FLOOR PLANS FOR DIMENSIONS PERTAINING TO EXTENT OF DEMOLITION WORK.
- SEE SITE PLAN FOR EXTENT OF SITE DEMOLITION WORK.
- DEMOLISH ALL UNIT #2 PLUMBING AND MECHANICAL.

DEMOLITION PLAN KEYNOTES:

- DENOTED BY: #
- EXISTING CATCH BASIN TO REMAIN.
 - EXISTING ELECTRICAL METERS TO REMAIN.
 - DEMOLISH ELECTRICAL CONDUIT RUNNING BETWEEN SERVICE ENTRANCE AND PANELS.
 - DEMOLISH PLUMBING PIPE AND HOSE BIB AT EXTERIOR WALL.
 - UNIT #1 INTERIOR RENOVATIONS, MECHANICAL, ELECTRICAL, AND PLUMBING NOT IN SCOPE.
 - DISCONNECT AND CAP BASE OF TWO 4" FLUES SERVING UNIT #1 MECHANICAL UNIT AND HOT WATER HEATERS (FLUES TO BE MERGED INTO A SINGLE FLUE AND REROUTED - SEE A1 SERIES SHEETS).
 - WATER METER TO BE RELOCATED TO MECHANICAL ROOM.
 - CAP EXISTING WATER SERVICE TO ALLOW FOR NEW WATER SERVICE SIZE.
 - UNIT #1 CONDENSER TO BE RELOCATED. UNIT #2 CONDENSER TO BE REMOVED.
 - REROUTE UNIT#1 REFRIGERANT LINE. DEMOLISH UNIT #2 REFRIGERANT LINE.
 - DEMOLISH POSTS AND DECK/STAIR ABOVE.
 - EXISTING GAS LINE TO BE TEMPORARILY CAPPED AND REROUTED TO LOCATIONS OF NEW GAS APPLIANCES AND EQUIPMENT.
 - DEMOLISH EXISTING UNIT #2 MECHANICAL UNIT.
 - DEMOLISH STEP.
 - DEMOLISH SOFFIT AND ASSOCIATED MECHANICAL DUCTS AND REGISTERS.
 - DEMOLISH ALL TILE IN EXISTING UNIT #2 BATHROOMS.
 - DEMOLISH LOW WALL.
 - REMOVE VANITIES, TOILETS, AND TUBS IN ALL UNIT #2 BATHROOMS.
 - REMOVE EXISTING WASHER AND DRYER.
 - REMOVE EXISTING UNIT #2 KITCHEN CABINETS, REFRIGERATOR, STOVE, SINK, MICROWAVE, AND DISHWASHER.
 - REMOVE EXISTING FLUE AND ANY ASSOCIATED MASONRY.
 - REMOVE EXISTING CEILINGS AS REQUIRED BY STRUCTURAL SCOPE. SEE SERIES S DRAWINGS.
 - REMOVE EXISTING CEILINGS WHERE REQUIRED BY MECHANICAL WORK. SEE SERIES M DRAWINGS.
 - DEMOLISH EXISTING CONDUIT LINE, CAP AND REROUTE AS NECESSARY (PURPOSE, ORIGIN AND DESTINATION UNKNOWN).
 - DEMOLISH FLUE AND MASONRY BASE.
 - DEMOLISH ALL EXISTING UNIT #2 FLOOR REGISTERS AND PROVIDE PLYWOOD AT OPENINGS.
 - REMOVE CARPET THROUGHOUT THIRD FLOOR.

Stamp

Date Signed: 10.28.2019

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Permit Set	10.28.19
No.	Revision/Issue

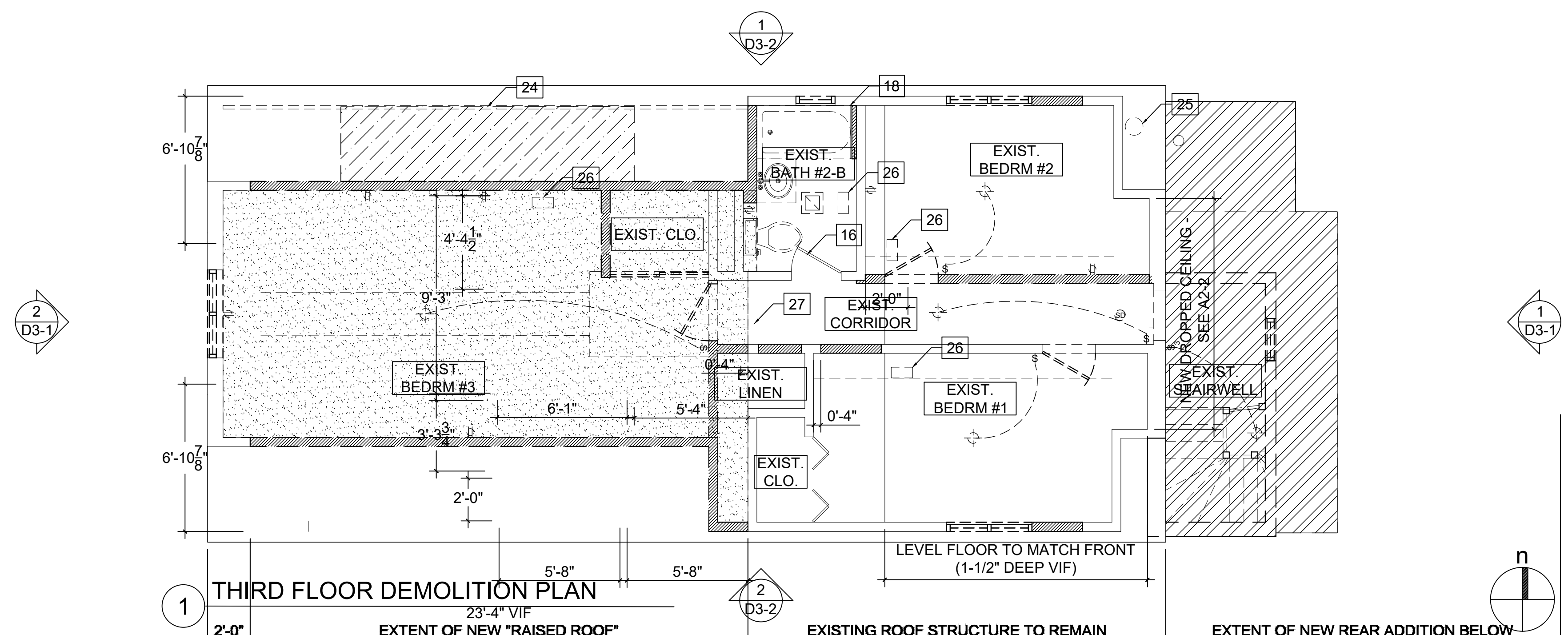
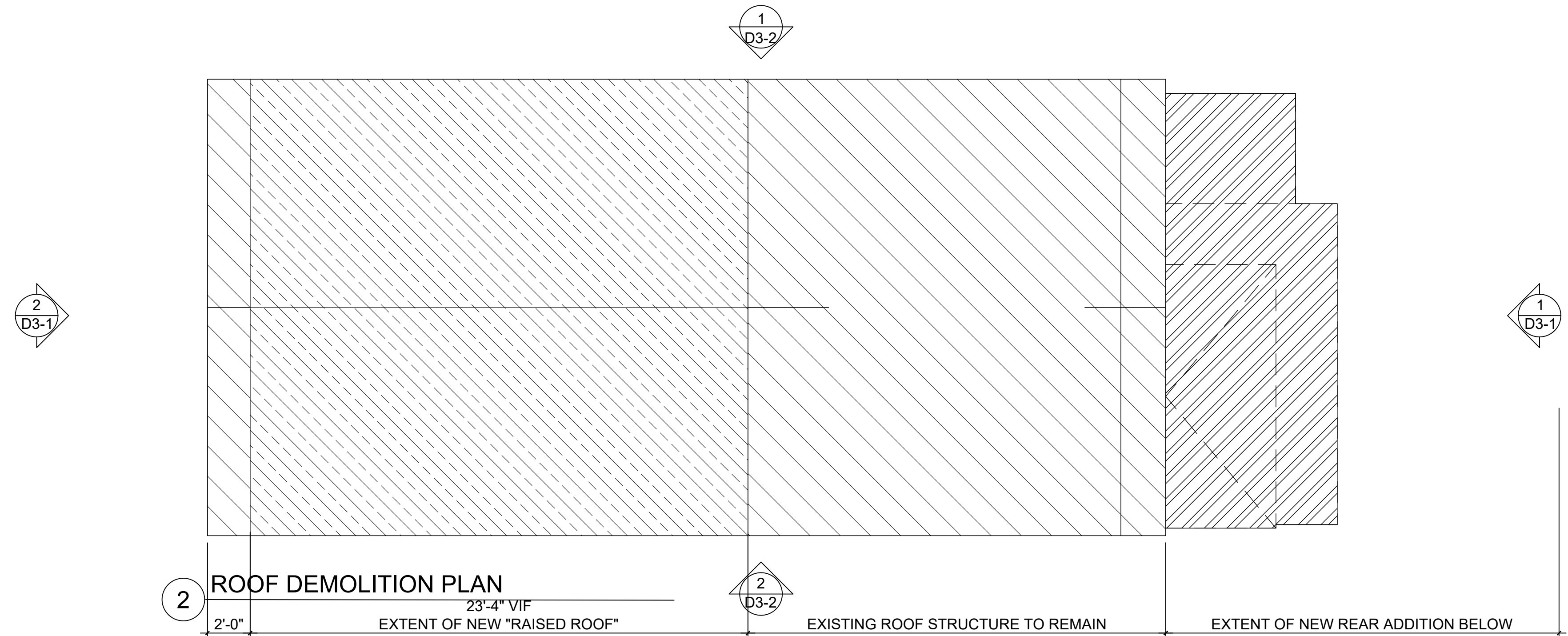
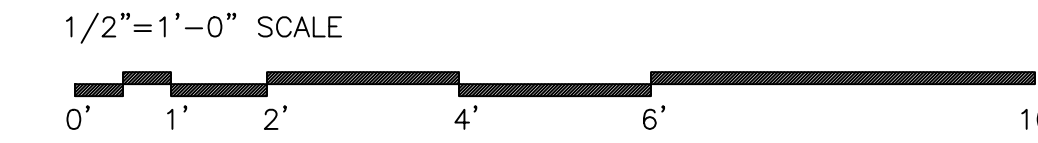
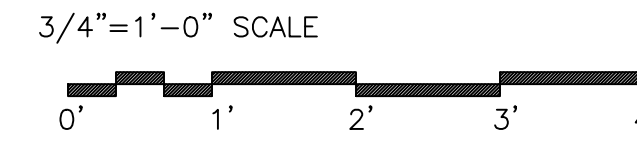
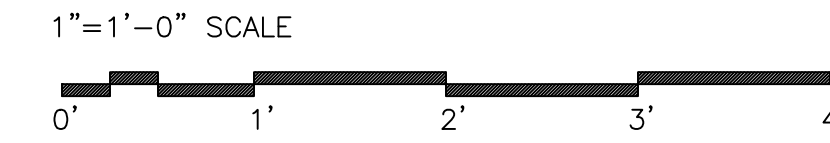
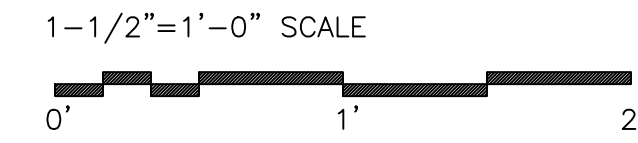
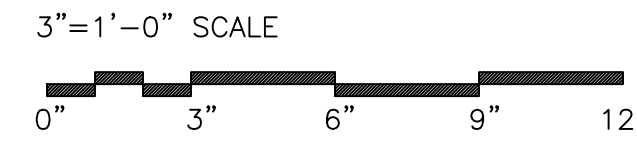
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Project Name and Address

Chang Residence
Renovation + Addition
3123 N Kenmore Avenue
Chicago, IL 60657

Project	2019.001	Sheet	D1-1
Date	10.28.2019	First + Second Floor Demolition Plans	
Scale	1/4" = 1'-0"		



DEMOLITION PLAN LEGEND:

	EXISTING WALL TO REMAIN
	DEMOLISH EXISTING WALL AND ALL MECH, ELEC, PLUMB IN WALL
	EXISTING DOOR TO REMAIN
	DEMOLISH EXISTING DOOR
	EXISTING WINDOW TO REMAIN
	DEMOLISH EXISTING WINDOW

	AREA OF COMPLETE DEMOLITION (STRUCTURE, FLOOR, CEILING, WALLS, MECH., ELEC., PLUMB.)
	DEMOLISH EXISTING FLOOR STRUCTURE
	DEMOLISH EXISTING SOFFIT AND CEILING
	DEMOLISH EXISTING ROOF STRUCTURE
	DEMOLISH EXISTING ROOFING AND SHEATHING

DEMOLITION PLAN GENERAL NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH APPLICABLE BUILDING CODES AS REQUIRED BY THE CHICAGO BUILDING CODE AND ALL CODES REFERENCED THEREIN.
- FIELD VERIFY THE THE SCOPE OF DEMOLITION WORK WITHIN THE DEMOLITION AREA. THE FOLLOWING ITEMS FOUND WITHIN THE DEMOLITION ARE TO BE REMOVED UNLESS OTHERWISE NOTED: WALLS, JOISTS, POSTS, BEAMS, FOUNDATIONS, FLOOR AND WALL FINISHES, CEILINGS, TRIM, PLUMBING, DUCTWORK, REGISTERS, EQUIPMENT, CASEWORK, FIXTURES, ELECTRICAL WIRING, CONDUIT, OUTLETS, JUNCTION BOXES, AND LIGHTING.
- ALL LOAD BEARING ELEMENTS ARE TO REMAIN UNLESS OTHERWISE NOTED. ALL BEARING ELEMENTS NOT TO BE REMOVED ARE TO BE PROTECTED DURING CONSTRUCTION. PROVIDE SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION OR FINISHES THAT ARE TO REMAIN. AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE IN AREA OF DEMOLITION.
- ALL SURFACES TO REMAIN ARE TO BE CLEANED, PATCHED, & PREPARED TO RECEIVE NEW FINISHES.
- SEE DEMO PLAN LEGEND AND NOTES FOR SCOPE OF DEMOLITION WORK.
- ALL LIGHT FIXTURES, SWITCHES, AND WIRING SHOWN IN DEMO PLAN TO BE DEMOLISHED. IF EXISTING ELECTRICAL WIRING IS NOT SHOWN, IT IS TO REMAIN UNLESS PART OF A WALL TO BE DEMOLISHED.
- SEE FLOOR PLANS FOR DIMENSIONS PERTAINING TO EXTENT OF DEMOLITION WORK.
- SEE SITE PLAN FOR EXTENT OF SITE DEMOLITION WORK.
- DEMOLISH ALL UNIT #2 PLUMBING AND MECHANICAL.

DEMOLITION PLAN KEYNOTES:

- DENOTED BY: #
- EXISTING CATCH BASIN TO REMAIN.
 - EXISTING ELECTRICAL METERS TO REMAIN.
 - DEMOLISH ELECTRICAL CONDUIT RUNNING BETWEEN SERVICE ENTRANCE AND PANELS.
 - DEMOLISH PLUMBING PIPE AND HOSE BIB AT EXTERIOR WALL.
 - UNIT #1 INTERIOR RENOVATIONS, MECHANICAL, ELECTRICAL, AND PLUMBING NOT IN SCOPE.
 - DISCONNECT AND CAP BASE OF TWO 4" FLUES SERVING UNIT #1 MECHANICAL UNIT AND HOT WATER HEATERS (FLUES TO BE MERGED INTO A SINGLE FLUE AND REROUTED - SEE A1 SERIES SHEETS).
 - WATER METER TO BE RELOCATED TO MECHANICAL ROOM.
 - CAP EXISTING WATER SERVICE TO ALLOW FOR NEW WATER SERVICE SIZE.
 - UNIT #1 CONDENSER TO BE RELOCATED. UNIT #2 CONDENSER TO BE REMOVED.
 - REROUTE UNIT#1 REFRIGERANT LINE. DEMOLISH UNIT #2 REFRIGERANT LINE.
 - DEMOLISH POSTS AND DECK/STAIR ABOVE.
 - EXISTING GAS LINE TO BE TEMPORARILY CAPPED AND REROUTED TO LOCATIONS OF NEW GAS APPLIANCES AND EQUIPMENT.
 - DEMOLISH EXISTING UNIT #2 MECHANICAL UNIT.
 - DEMOLISH STEP.
 - DEMOLISH SOFFIT AND ASSOCIATED MECHANICAL DUCTS AND REGISTERS.
 - DEMOLISH ALL TILE IN EXISTING UNIT #2 BATHROOMS.
 - DEMOLISH LOW WALL.
 - REMOVE VANITIES, TOILETS, AND TUBS IN ALL UNIT #2 BATHROOMS.
 - REMOVE EXISTING WASHER AND DRYER.
 - REMOVE EXISTING UNIT #2 KITCHEN CABINETS, REFRIGERATOR, STOVE, SINK, MICROWAVE, AND DISHWASHER.
 - REMOVE EXISTING FLUE AND ANY ASSOCIATED MASONRY.
 - REMOVE EXISTING CEILINGS AS REQUIRED BY STRUCTURAL SCOPE. SEE SERIES S DRAWINGS.
 - REMOVE EXISTING CEILINGS WHERE REQUIRED BY MECHANICAL WORK. SEE SERIES M DRAWINGS.
 - DEMOLISH EXISTING CONDUIT LINE, CAP AND REROUTE AS NECESSARY (PURPOSE, ORIGIN AND DESTINATION UNKNOWN).
 - DEMOLISH FLUE AND MASONRY BASE.
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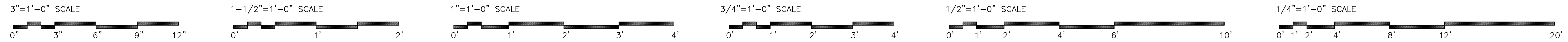
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Project Name and Address

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Project 2019.001	Sheet D1-2
Date 10.28.2019	Third Floor + Roof Demolition Plans
Scale 1/4" = 1'-0"	



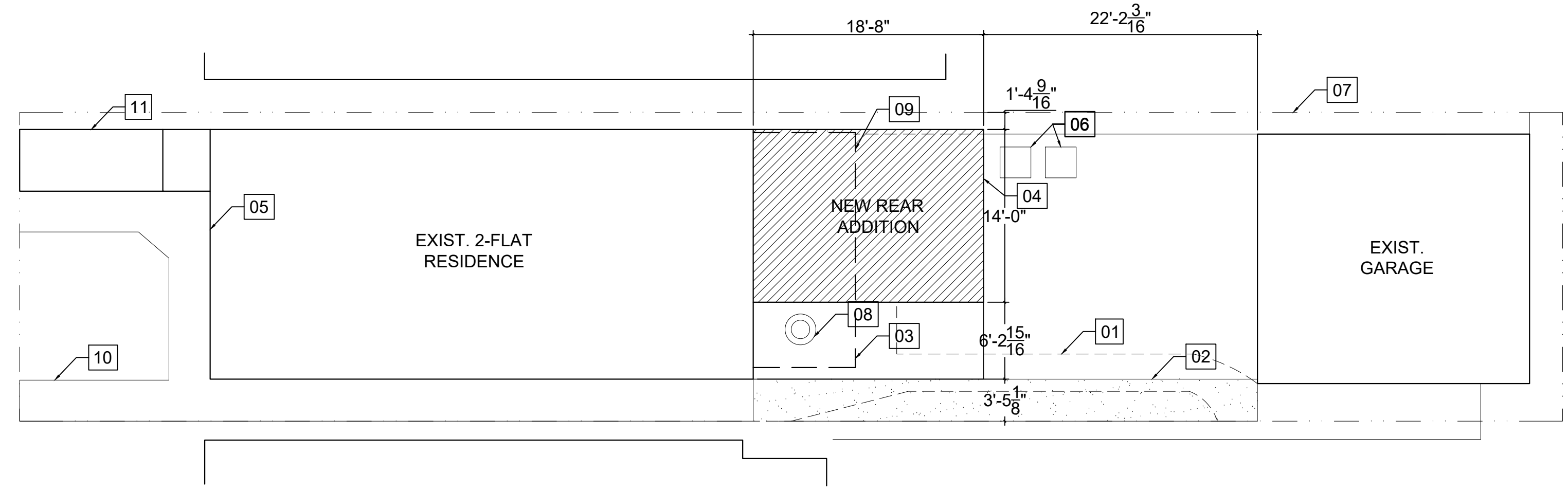
ARCHITECTURAL ABBREVIATIONS LIST

A	F	N	U
AB ANCHOR BOLT	FAST FASTENER	N NORTH	UC UNDERCUT
ABV ABOVE	FD FLOOR DRAIN	NAT NATURAL	UL UNDERWRITERS LABORATORY
A/C AIR CONDITIONING	FE FIRE EXTINGUISHER	NC NO CEILING	UNEX UNEXCAVATED
ACT ACOUSTICAL TILE	FEC FIRE EXTINGUISHER CABINET	NIC NOT IN CONTRACT	UNO UNLESS NOTED OTHERWISE
ADA AMERICANS WITH DISABILITIES	FFL FINISH FLOOR LINE	NO NUMBER	UR URINAL
ADD ADDENDUM	FHC FIRE HOSE CABINET	NOM NOMINAL	
ADD'L ADDITIONAL	FHMS FLATHEAD MACHINE SCREW	NRC NOISE REDUCTION COEFFICIENT	
ADJ ADJUSTABLE	FHWS FLATHEAD WOOD SCREW	NTS NOT TO SCALE	
AFF ABOVE FINISHED FLOOR	FIN FINISH(ED)		
AGG AGGREGATE	FLEX FLEXIBLE	O	V
ALT ALTERNATE	FLG FLASHING	OA OVERALL	VAPB VAPOR BARRIER
ALUM ALUMINUM	FLR FLOOR(ING)	OC ON CENTER(S)	VB VINYL BASE
AM ACCESS PANEL	FLUOR FLUORESCENT	OD OUTSIDE DIAMETER	VCT VINYL COMPOSITE TILE
APRD APPROVED	FND FOUNDATION	OFF OFFICE	VERT VERTICAL
APPROX APPROXIMATE	FR FRAME(D), (ING)	OH OVERHEAD	VEST VESTIBULE
ARCH ARCHITECT(URAL)	FS FULL SIZE	O.H. OPPOSITE HAND	VIF VERIFY IN FIELD
AUD AUDITORIUM	FT FOOT(FEET)	OHMS OVALHEAD MACHINE SCREW	VT VINYL TILE
AUTH AUTHORIZED	FTG FOOTING	OHWS OVALHEAD WOOD SCREW	
AUTO AUTOMATIC	FUR FURRED, FURRING	OPNG OPENING	
A/V AUDIO VISUAL	FUT FUTURE	OPP OPPOSITE	
AVG AVERAGE	FV FIELD VERIFY	OZ OUNCE(S)	
			W
B	G	P	W WEST
B/ BOTTOM OF	G GRAM	PAR PARALLEL	W/ WITH
BD BOARD	GAGE GAUGE	PBD PARTICLE BOARD	WC WATER CLOSET
BEL BELOW	GALV GALVANIZED	PC PRECAST CONCRETE	WD WOOD
BTWN BETWEEN	GC GENERAL CONTRACT(OR)	P.D. PLAN DETAIL	WI WIDTH/WIDE
BEV BEVELED	GD GRADE, GRADING	PED PEDESTAL	WIN WINDOW
BLKG BLOCK(ING)	GFR GLASS FIBERGLASS REINF	PERF PERFORATE(D)	WL WIND LOAD
BLDG BUILDING	GFCR CONCRETE	PERM PERIMETER	W/O WITHOUT
BM BEAM	GKT GASKET(ED)	PERP PERPENDICULAR	WP WATERPROOFING
BOT BOTTOM	GL GLASS, GLAZING	PKG PARKING	WPT WORKING POINT
BRG BEARING	GPDW GYPSUM DRYWALL	PL PLATE	WRSTP WEATHER STRIPPING
BRK BRICK	GSU GLAZED STRUCTURAL UNIT	P.L. PROPERTY LINE	WT WEIGHT
BRZ BRONZE	GROUT	PLN PLAN	WWF WELDED WIRE FABRIC
BS BOTH SIDES	GVL GRAVEL	PLAM PLASTIC LAMINATE	
BSMT BASEMENT	GYP GYPSUM	PLAS PLASTER	
BTU BRITISH THERMAL UNIT		PLBG PLUMBING	
BUR BUILT UP ROOFING		PLF POUNDS PER LINEAR FOOT	
	H	PNL PANEL	
C	H HIGH	PNT PAINT(ED)	
C CENTER	HB HOSE BIBB	POL POLISH(ED)	
CAB CABINET	HC HOLLOW CORE	PR PAIR	
CAP CAPACITY	HND HANDICAP	PRFAB PREFABRICATE(D)	
CEM CEMENT	HD HEAD	PRES PRESSURE	
CER CERAMIC	HW HARDWARE	PROJ PROJECTION	
CFT CUBIC FOOT (FEET)	HEX HEXAGONAL	PROT PROTECTION	
CG CORNER GUARD	HM HOLLOW METAL	PSI POUNDS PER SQUARE INCH	
CHAM CHAMFER	HORIZ HORIZONTAL	PT POINT	
CHR CHAIR	HP HORSE POWER	PTN PARTITION	
CIRC CIRCUMFERENCE	H.P. HIGH POINT	PVC POLYVINYL CHORIDE	
CJ CONTROL JOINT	HR HOUR	PVT PAVEMENT	
CK CAULK(ING)	HT HEIGHT	PW PAINTED WOOD	
CL CENTER LINE	HTG HEATING	PWR POWER	
CLASSRM CLASSROOM	HVAC HEATING /VENTILATION/ AIR CONDITIONING		
CLG CEILING	HW HOT WATER		
CLO CLOSET	HYD HYDRAULIC		
CLR CLEARANCE/CLEAR		Q	
CLS CLOSURE		QS QUICK SETTING	
CM CENTIMETER(S)		QT QUARRY TILE	
CMU CONCRETE MASONRY UNIT	I	QTY QUANTITY	
CO CLEAN OUT	ID INSIDE DIAMETER		
COEF COEFFICIENT	IN INCH(ES)	R	
COL COLUMN	INCL INCLUDE(D), (ING)	R RISER	
COMB COMBINATION	INFO INFORMATION	RAD RADIUS	
COMP COMPRESS(ED), (ION), (IBLE)	INSUL INSULATE(D), (ATION)	RB RUBBER BASE	
CONC CONCRETE	INT INTERIOR	RD ROOF DRAIN	
CONF CONFERENCE	INTERM INTERMEDIATE	REV REVISION, REVISE(D)	
CONN CONNECTION		RECP RECEPTACLE	
CONST CONSTRUCTION	J	REF REFERENCE	
CONT CONTINUOUS OR CONTINUE	J JOIST	REFL REFLECT(ED), (ING)	
CONTR CONTRACT(OR)	JAN JANITOR	REG REGISTER	
CONV CONVECTOR	JC JANITOR'S CLOSET	RENF REINFORCE(D), (ING)	
COP COPING	JT JOINT	REQD REQUIRED	
CORR CORRIDOR		RET RETURN	
CPT CARPET(ED)	K	RH RIGHT HAND	
CRW CURTAIN WALL	KG KILOGRAM(S)	RM ROOM	
CS COUNTERSINK	KIT KITCHEN	RPM REVOLUTIONS PER MINUTE	
CSMT CASEMENT	KM KILOMETER(S)	RO ROUGH OPENING	
CT CERAMIC TILE	KO KNOCKOUT		
CW COLD WATER	KS KNEE SPACE		
CY CUBIC YARDS		S	
	L	S SOUTH	
D	L LENGTH	SAFB SOUND ATTENUATION FIRE BLANKETS	
D DEPTH	LAB LABORATORY	SAN SANITARY	
DB DECELS	LAD LADDER	SC SEALED CONCRETE	
DBL DOUBLE	LAM LAMINATE(D)	SCHED SCHEDULE	
DEG DEGREE(S)	LAT LATERAL	SEC SECOND	
DEG C DEGREE(S) CELSIUS	LAV LAVATORY	SECT SECTION	
DEG F DEGREE(S) FAHRENHEIT	LB POUND(S)	SERV SERVICE	
DEPT DEPARTMENT	LBL LABEL	SF SQUARE FOOT	
DET DETAIL	LH LEFT HAND	SOL SAFETY GLASS	
DF DRINKING FOUNTAIN	LIB LIBRARY	SH SINGLE HUNG	
DH DOUBLE HUNG	LIN LINEAR	SHT SHEET	
DIA DIAMETER	LL LIVE LOAD	SIM SIMILAR	
DIAG DIAGONAL	L.P. LOW POINT	SK SKETCH	
DIM DIMENSION	LT LIGHT	S.L. SEALANT JOINT	
DIV DIVISION	LTG LIGHTING	SPEC(S) SPECIFICATION	
DL DEAD LOAD	LTL LINTEL	SO SQUARE	
DN DOWN	LVR LOUVER	SR STILE & RAIL	
DP DAMPPROOFING		SSK SERVICE SINK	
DEPT DEPARTMENT	M	SST STAINLESS STEEL	
DR DOOR	M METER(S)	STD STANDARD	
DS DOWNSPOUT	MACH MACHINE	STIFF STIFFENER	
DW DWELLING UNIT	MAN MANUAL	STL STEEL	
DWG DRAWING	MARB MARBLE	STOR STORAGE	
	MAS MASONRY	STRUCT STRUCTURE, STRUCTURAL	
E	MAT'L MATERIAL(S)	SUSP SUSPEND, SUSPENDED	
E EAST	MAX MAXIMUM	SYM SYMMETRY, SYMMETRICAL	
EA EACH	MB MACHINE BOLT		
EB EXPANSION BOLT	MECH MECHANIC(AL)	T	
EC EXPOSED CEILING	MED MEDIUM	T TREAD	
EL ELEVATION	MEMB MEMBRANE	T/ TOP OF	
ELEC ELECTRIC(AL)	MTL METAL	T&B TOP & BOTTOM	
ELEV ELEVATOR	MEZZ MEZZANINE	TEL TELEPHONE	
EMER EMERGENCY	MFR MANUFACTURE(R), (D)	TEMP TEMPERATURE	
ENCL ENCLOSURE(URE)	MI MILE(S)	TERR TERRAZZO	
ENG ENGINEER	MIN MINIMUM	T&G TONGUE & GROOVE	
EQ EQUAL	MISC MISCELLANEOUS	THK THICK(NESS)	
EQUIP EQUIPMENT	MO MASONRY OPENING	THRU THROUGH	
EST ESTIMATE	MOD MODULAR, MODULE	TOL TOLERANCE	
EWG ELECTRIC WATER COOLER	MOV MOVEABLE	TV TELEVISION	
EXP EXPOSED	MTD MOUNTED	TYP TYPICAL	
EXH EXHAUST	MTD MOUNTED		
EXIST EXISTING	MULL MULLION		
EXP EXPANSION			
EXT EXTERIOR			

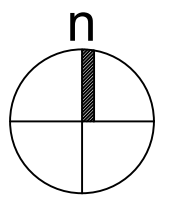
SITE PLAN KEYNOTES:

NOTED BY: #

- DASH DENOTES AREA OF CONCRETE WALK TO BE DEMOLISHED.
- HATCH DENOTES ARE OF CONCRETE WALK TO BE ADDED.
- LOCATION OF EXISTING ELECTRICAL SERVICE ENTRANCE TO BE DEMOLISHED.
- LOCATION OF PROPOSED ELECTRICAL SERVICE ENTRANCE (SEE 1/A3-1 FOR LOCATION ON ELEVATION).
- EXISTING WATER METER LOCATION TO BE DEMOLISHED.
- NEW CONDENSER LOCATION.
- PROPERTY LINE.
- EXISTING CATCH BASIN TO REMAIN.
- EDGE OF REAR ADDITION TO BE DEMOLISHED.
- EXISTING CONCRETE WALK TO REMAIN.
- EXISTING STAIR TO REMAIN.



1 SITE PLAN



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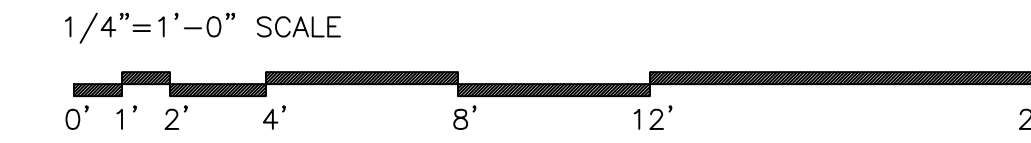
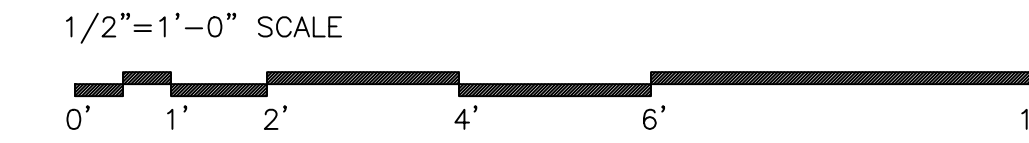
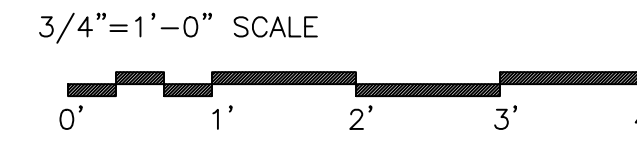
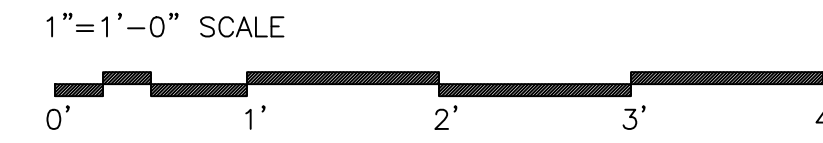
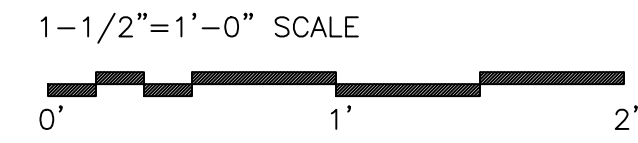
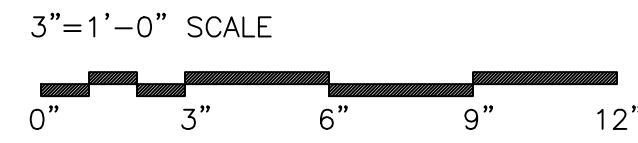
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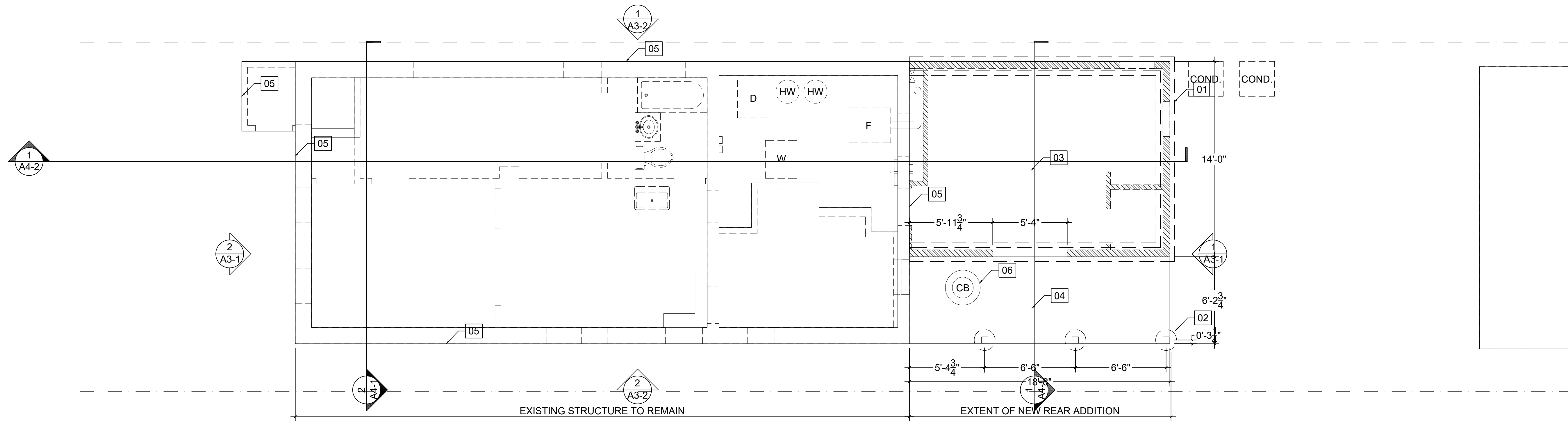
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Date 10.25.2019	Abbreviations + Site Plan
Scale 1/8" = 1'-0"	



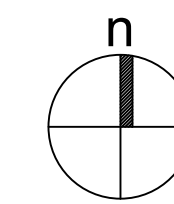
FOUNDATION PLAN KEYNOTES:

DENOTED BY: #

- 01 CONCRETE FOUNDATION WALL WITH FOOTINGS. SEE STRUCTURAL SERIES S SHEETS.
- 02 CONCRETE SONOTUBE FOUNDATIONS WITH POSTS ABOVE. SEE STRUCTURAL SERIES S SHEETS.
- 03 5" CONCRETE SLAB ABOVE. SET MUDROOM SLAB ELEVATION AT 7'-9" BELOW FIRST FLOOR FINISH FLOOR. CONTRACTOR TO VERIFY ELEVATION IN FIELD.
- 04 4" CONCRETE SLAB ABOVE.
- 05 EXISTING CONCRETE SLAB ABOVE.
- 06 EXISTING CATCH BASIN TO REMAIN.



1 FOUNDATION PLAN



FLOOR PLAN LEGEND:

- EXISTING WALLS
- NEW WALLS
- EXISTING SWING DOORS
- NEW SWING DOORS

FLOOR PLAN GENERAL NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE CHICAGO BUILDING CODE AND CODES REFERENCED THEREIN.
2. PATCH AND REPAIR TO MATCH ALL DAMAGE RESULTING FROM WORK. MATERIALS AND FINISHES TO MATCH ADJACENT SURFACES.
3. FLOOR FINISH MATERIAL TO EXTEND TO WALL UNDER BASE CABINETS AND VANITIES.
4. IF ANY EXISTING DIMENSIONS SHOWN ON PLAN DEVIATE FROM ACTUAL FIELD DIMENSIONS, NOTIFY ARCHITECT.
5. TILED SHOWER WALLS TO BE MOISTURE-RESISTANT SHEETROCK.
7. SEE SHEET A7-1 FOR WALL TYPES. DENOTED BY #

ALL TYPICAL INTERIOR WALLS ARE WALL TYPE I.1 U.N.O.
ALL TYPICAL EXTERIOR WALLS ARE WALL TYPE E.1 U.N.O.

8. NOT USED.
9. ALL WALLS AND TRIM TO BE PAINTED. COLORS TO BE APPROVED BY OWNER.
10. ALL WOOD-FRAMING MEMBERS THAT ATTACH TO OR REST ON CONCRETE OR MASONRY AND ARE LESS THAN 8 IN. FROM THE EXPOSED GROUND SHALL BE PRESSURE-TREATED OR DECAY

RESISTANT.

19. SCOPE OF WORK LIMITED TO UNIT #2 FOR ARCHITECTURAL RENOVATION AND ADDITION, INCLUDING ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK.
20. REPLACE, PATCH AND PAINT ALL AREAS WHERE EXISTING DRYWALL IS REMOVED AT WALLS AND CEILINGS FOR STRUCTURAL, MECHANICAL, ELECTRICAL OR PLUMBING WORK.
21. FASTENERS FOR PRESSURE-PRESERVATIVE AND FIRE-RETARDANT-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL FASTENERS WITH PRESERVATIVE-TREATED WOOD TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR A MINIMUM OF ASTM A 653 TYPE G 185 FOR GALVANIZED STEEL. FASTENERS OTHER THAN NAILS MAY MEET ASTM B695, CLASS 55 MINIMUM.
22. SEE SHEET A7-1 FOR WINDOW AND DOOR SCHEDULES.
23. SEE SHEET A1-4 FOR ROOF VENTING CALCULATIONS.
24. SEE SITE PLAN FOR EXTENT OF SITE WORK.
25. LEVEL FLOORS WHERE NECESSARY AT AREAS WHERE EXISTING FLOORS (EG TILE) ARE REMOVED TO ENSURE THAT INSTALLED FLOORS ARE CONTIGUOUS THROUGHOUT A GIVEN LEVEL.
26. FILL EXISTING EXTERIOR WALLS ON SECOND AND THIRD LEVEL WITH OPEN CELL SPRAY FOAM INSULATION TO R-13. SEE WALL TYPE E.2.
27. PROVIDE ROD AND SHELF IN ALL CLOSETS.

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Date Signed: 10.28.2019

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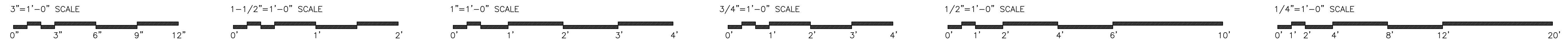
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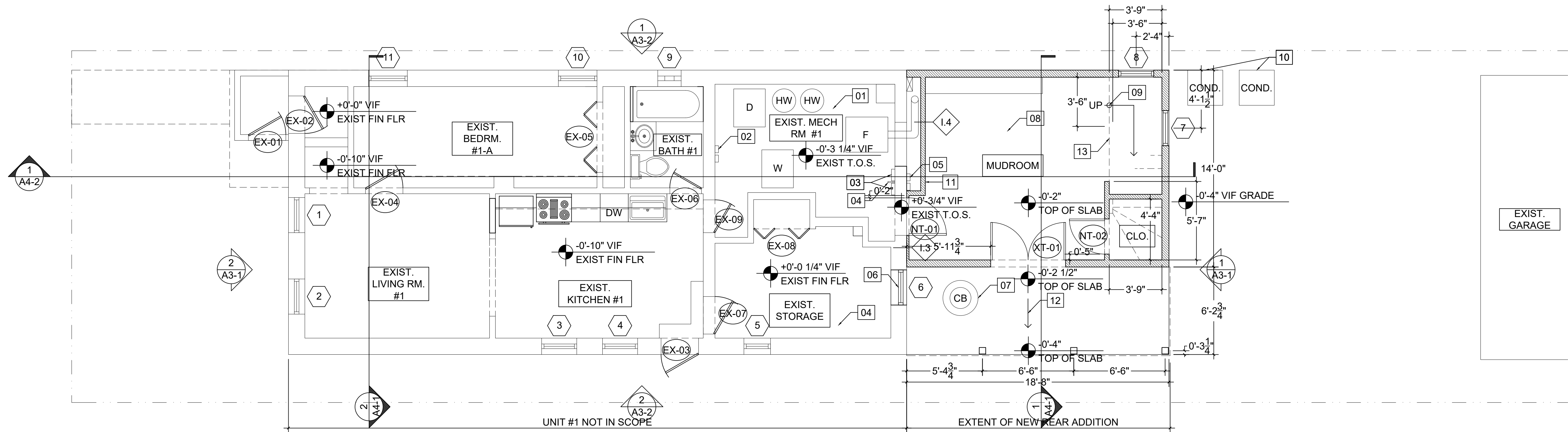
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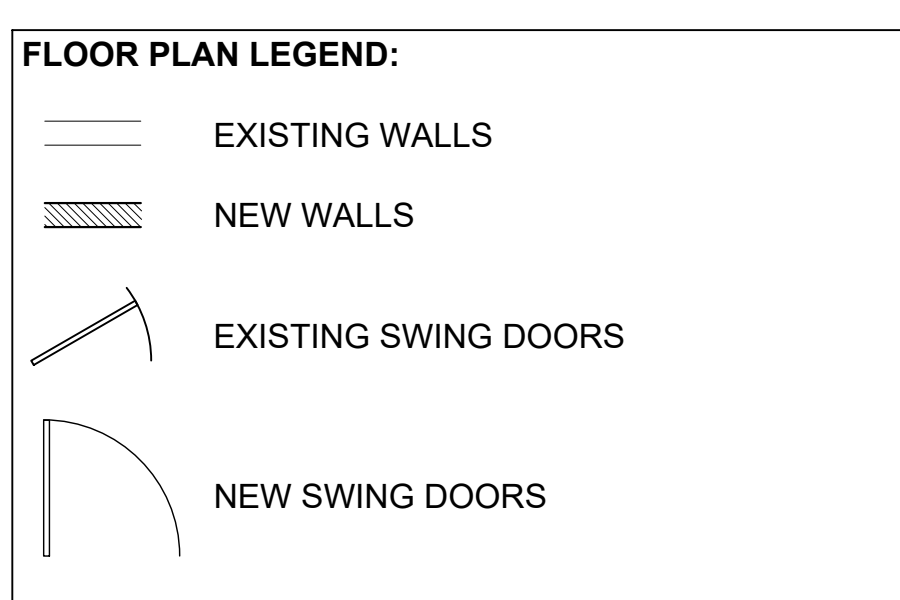
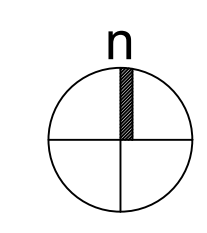
Project 2019.001	Sheet A1-0
Date 10.28.2019	Foundation Plan
Scale 1/4" = 1'-0"	



- FIRST FLOOR PLAN KEYNOTES:**
- NOTED BY: #
- 01 NEW WATER METER W/ RFID SENSOR TO BE LOCATED IN MECHANICAL ROOM.
 - 02 EXIST GAS METERS TO REMAIN.
 - 03 EXISTING ELECTRICAL PANEL LOCATION TO REMAIN. SEE ELECTRICAL SERIES E DRAWINGS FOR PANEL SCHEDULE.
 - 04 EXISTING WATER SERVICE ENTRANCE TO REMAIN IN MECHANICAL ROOM. NEW WATER SERVICE TO BE PROVIDED PER PLUMBING SERIES P DRAWINGS.
 - 05 EXISTING ELECTRICAL METERS TO REMAIN.
 - 06 REPLACE EXISTING WINDOW.
 - 07 EXISTING CATCHBASIN TO REMAIN.
 - 08 NEW TILE FLOOR.
 - 09 NEW STAIR, UP 13 RISERS @ 7.94 INCHES (V/F). 12 TREADS @ 11.00" IN STRAIGHT SECTIONS. WINDERS TO BE AT LEAST 11" AT A DISTANCE 18" FROM THE RAILING. SEE SHEET A6-1 FOR DETAILS. STAIR TREADS TO BE WOOD TO MATCH SECOND FLOOR WOOD FLOORING.
 - 10 NEW A/C CONDENSER LOCATION. EXISTING UNIT #1 CONDENSER TO BE MOVED AND UNIT #2 CONDENSER TO BE REPLACED. SEE MECHANICAL SERIES M SHEETS.
 - 11 PROVIDE 1-HOUR RATED ACCESS PANEL TO ELECTRICAL METERS.
 - 12 SLOPE CONCRETE SLAB AT RATE OF 1/4" PER A FOOT.
 - 13 HANDRAIL.



1 FIRST FLOOR PLAN



- FLOOR PLAN GENERAL NOTES:**
1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE CHICAGO BUILDING CODE AND CODES REFERENCED THEREIN.
 2. PATCH AND REPAIR TO MATCH ALL DAMAGE RESULTING FROM WORK. MATERIALS AND FINISHES TO MATCH ADJACENT SURFACES.
 3. FLOOR FINISH MATERIAL TO EXTEND TO WALL UNDER BASE CABINETS AND VANITIES.
 4. IF ANY EXISTING DIMENSIONS SHOWN ON PLAN DEVIATE FROM ACTUAL FIELD DIMENSIONS, NOTIFY ARCHITECT.
 5. TILED SHOWER WALLS TO BE MOISTURE-RESISTANT SHEETROCK.
 7. SEE SHEET A7-1 FOR WALL TYPES, DENOTED BY #.
- ALL TYPICAL INTERIOR WALLS ARE WALL TYPE I.1 U.N.O.
 ALL TYPICAL EXTERIOR WALLS ARE WALL TYPE E.1 U.N.O.
 8. NOT USED
 9. ALL WALLS AND TRIM TO BE PAINTED. COLORS TO BE APPROVED BY OWNER.
 10. ALL WOOD-FRAMING MEMBERS THAT ATTACH TO OR REST ON CONCRETE OR MASONRY AND ARE LESS THAN 6 IN. FROM THE EXPOSED GROUND SHALL BE PRESSURE-TREATED OR DECAY

- RESISTANT.
19. SCOPE OF WORK LIMITED TO UNIT #2 FOR ARCHITECTURAL RENOVATION AND ADDITION, INCLUDING ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK.
 20. REPLACE, PATCH AND PAINT ALL AREAS WHERE EXISTING DRYWALL IS REMOVED AT WALLS AND CEILINGS FOR STRUCTURAL, MECHANICAL, ELECTRICAL OR PLUMBING WORK.
 21. FASTENERS FOR PRESSURE-PRESERVATIVE AND FIRE-RETARDANT-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. FASTENERS WITH PRESERVATIVE-TREATED WOOD TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR A MINIMUM OF ASTM A 653 TYPE G 185 FOR GALVANIZED STEEL. FASTENERS OTHER THAN NAILS MAY MEET ASTM B695, CLASS 55 MINIMUM.
 22. SEE SHEET A7-1 FOR WINDOW AND DOOR SCHEDULES.
 23. SEE SHEET A1-4 FOR ROOF VENTING CALCULATIONS.
 24. SEE SITE PLAN FOR EXTENT OF SITE WORK.
 25. LEVEL FLOORS WHERE NECESSARY AT AREAS WHERE EXISTING FLOORS (EG TILE) ARE REMOVED TO ENSURE THAT INSTALLED FLOORS ARE CONTIGUOUS THROUGHOUT A GIVEN LEVEL.
 26. FILL EXISTING EXTERIOR WALLS ON SECOND AND THIRD LEVEL WITH OPEN CELL SPRAY FOAM INSULATION TO R-13. SEE WALL TYPE E.2.
 27. PROVIDE ROD AND SHELF IN ALL CLOSETS.

Stamp

Date Signed: 10.28.2019

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 License No. 184007840-0001

Permit Set	10.28.19
No.	Revision/Issue
	Date

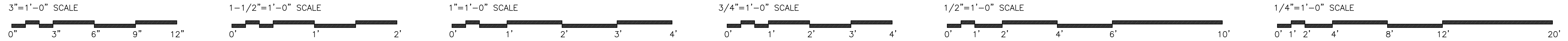
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**Chang Residence
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 Chicago, IL 60657

Project 2019.001	Sheet A1-1
Date 10.28.2019	First Floor Plan
Scale 1/4" = 1'-0"	

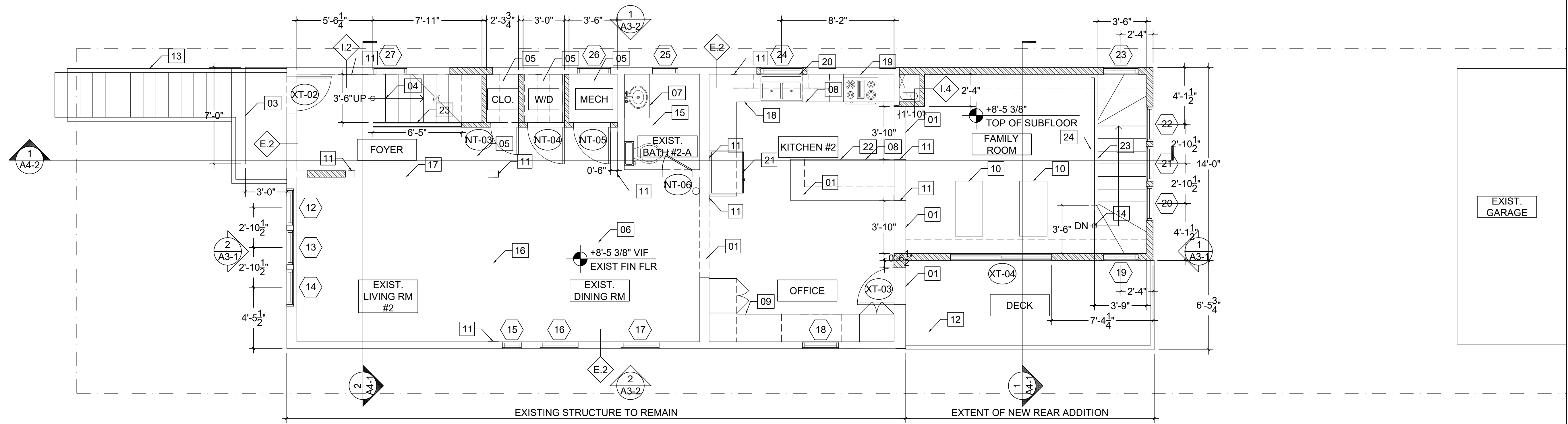


SECOND FLOOR PLAN KEYNOTES:

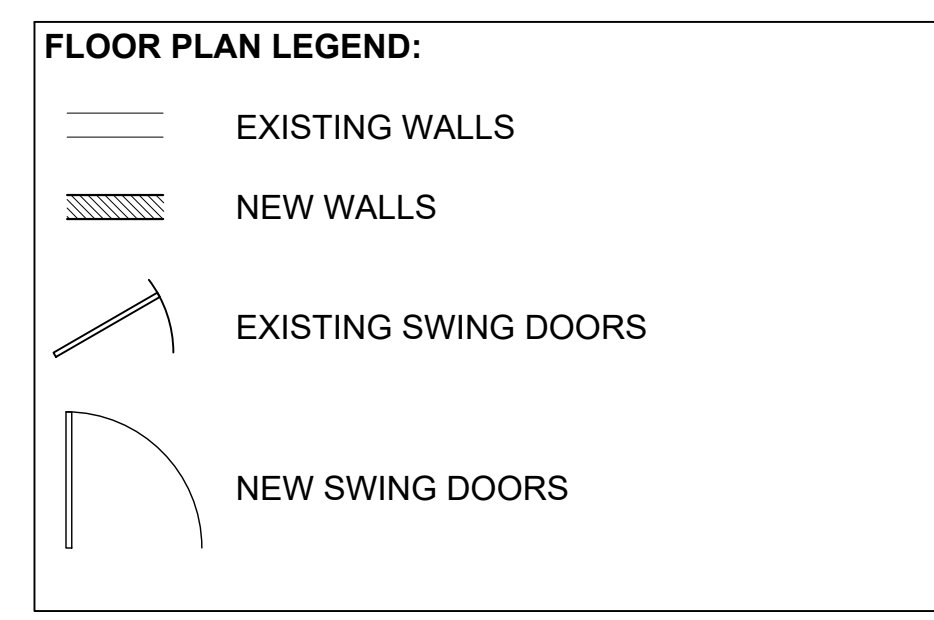
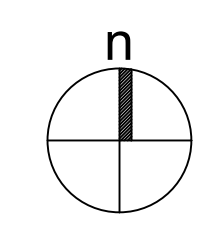
DENOTED BY: #

- 01 NEW HEADER FOR OPENING PER STRUCTURAL. OPENING TO BE FINISHED WITH GWB TO MATCH EXISTING WALL. NO TRIM. TOP OF HEADERS AT ALL NEW INTERIOR OPENINGS TO BE PLACED LEVEL WITH BOTTOM OF JOIST ABOVE UNLESS OTHERWISE NOTED BY ARCHITECTURAL OR STRUCTURAL DRAWINGS.
- 02 NOT USED.
- 03 NEW AWNING ABOVE. SEE SHEET A5-1.
- 04 NEW STAIR, UP 16 RISERS @ 7.42" INCHES (VIF). 15 TREADS @ 11.00". SEE SHEET A6-1 FOR DETAILS. STAIR TREADS TO BE WOOD TO MATCH SECOND FLOOR WOOD FLOORING.
- 05 NEW TILE FLOOR WHERE NOTED.
- 06 NEW WOOD FLOORING THROUGHOUT 2ND FLOOR U.N.O.
- 07 NEW WC, LAV, AND TILE. SEE SHEET A8-1.
- 08 NEW CABINETS, COUNTERTOPS, BACKSPLASH, APPLIANCES, AND SINK. SEE SHEET A8-1 AND MEP DWGS.
- 09 NEW CABINETS, COUNTERTOP. SEE SHEET A8-1.
- 10 NEW 2'x4' SKYLIGHTS ABOVE.
- 11 PATCH WALL WITH GWB TO MATCH EXISTING WALL WHERE WALL WAS DEMO-ED.
- 12 NEW WOOD DECK. SEE SHEET A5-2 AND STRUCTURAL DWGS.
- 13 REPLACE WOOD GUARD AND HANDRAILS. SEE SHEET A5-2.
- 14 SEE LOWER FLOOR PLAN FOR NOTES ON STAIR.
- 15 NEW TILE FLOOR WHERE NOTED.

- 16 REMOVE HEADER AT NON-BEARING WALL AND PROVIDE FLUSH CEILING. VERIFY STRUCTURAL CONDITION IN FIELD.
- 17 LOWERED CEILING ABOVE TO ACCOMMODATE DUCTWORK. SOFFIT ABOVE.
- 18 30" WIDE OVEN/STOVE WITH WALL-VENTED HOOD ABOVE.
- 19 36" WIDE SINK.
- 20 36" WIDE REFRIGERATOR.
- 21 MICROWAVE TO BE ACCOMMODATED IN ISLAND CABINETS. SEE SHEET A8-1.
- 22 HANDRAIL.
- 23 GUARDRAIL.



1 SECOND FLOOR PLAN



- FLOOR PLAN GENERAL NOTES:**
1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE CHICAGO BUILDING CODE AND CODES REFERENCED THEREIN.
 2. PATCH AND REPAIR TO MATCH ALL DAMAGE RESULTING FROM WORK. MATERIALS AND FINISHES TO MATCH ADJACENT SURFACES.
 3. FLOOR FINISH MATERIAL TO EXTEND TO WALL UNDER BASE CABINETS AND VANITIES.
 4. IF ANY EXISTING DIMENSIONS SHOWN ON PLAN DEViate FROM ACTUAL FIELD DIMENSIONS, NOTIFY ARCHITECT.
 5. TILED SHOWER WALLS TO BE MOISTURE-RESISTANT SHEETROCK.
 7. SEE SHEET A7-1 FOR WALL TYPES, DENOTED BY #.#
- ALL TYPICAL INTERIOR WALLS ARE WALL TYPE I.1 U.N.O. ALL TYPICAL EXTERIOR WALLS ARE WALL TYPE E.1 U.N.O.
8. NOT USED
 9. ALL WALLS AND TRIM TO BE PAINTED. COLORS TO BE APPROVED BY OWNER.
 10. ALL WOOD-FRAMING MEMBERS THAT ATTACH TO OR REST ON CONCRETE OR MASONRY AND ARE LESS THAN 8 IN. FROM THE EXPOSED GROUND SHALL BE PRESSURE-TREATED OR DECAY RESISTANT.

19. SCOPE OF WORK LIMITED TO UNIT #2 FOR ARCHITECTURAL RENOVATION AND ADDITION, INCLUDING ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK.
20. REPLACE, PATCH AND PAINT ALL AREAS WHERE EXISTING DRYWALL IS REMOVED AT WALLS AND CEILINGS FOR STRUCTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING WORK.
21. FASTENERS FOR PRESERVATIVE-PRESERVATIVE AND FIRE-RETARDANT-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. FASTENERS WITH PRESERVATIVE-TREATED WOOD TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR A MINIMUM OF ASTM A 653 TYPE G 185 FOR GALVANIZED STEEL. FASTENERS OTHER THAN NAILS MAY MEET ASTM B696, CLASS 55 MINIMUM.
22. SEE SHEET A7-1 FOR WINDOW AND DOOR SCHEDULES.
23. SEE SHEET A1-4 FOR ROOF VENTING CALCULATIONS.
24. SEE SITE PLAN FOR EXTENT OF SITE WORK.
25. LEVEL FLOORS WHERE NECESSARY AT AREAS WHERE EXISTING FLOORS (EG TILE) ARE REMOVED TO ENSURE THAT INSTALLED FLOORS ARE CONTIGUOUS THROUGHOUT A GIVEN LEVEL.
26. FILL EXISTING EXTERIOR WALLS ON SECOND AND THIRD LEVEL WITH OPEN CELL SPRAY FOAM INSULATION TO R-13. SEE WALL TYPE E.2.
27. PROVIDE ROD AND SHELF IN ALL CLOSETS.

Stamp

Date Signed: 10.28.2019

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License No. 184007840-0001

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No.	Revision/Issue
	Date

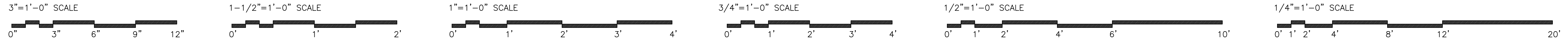
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Project Name and Address

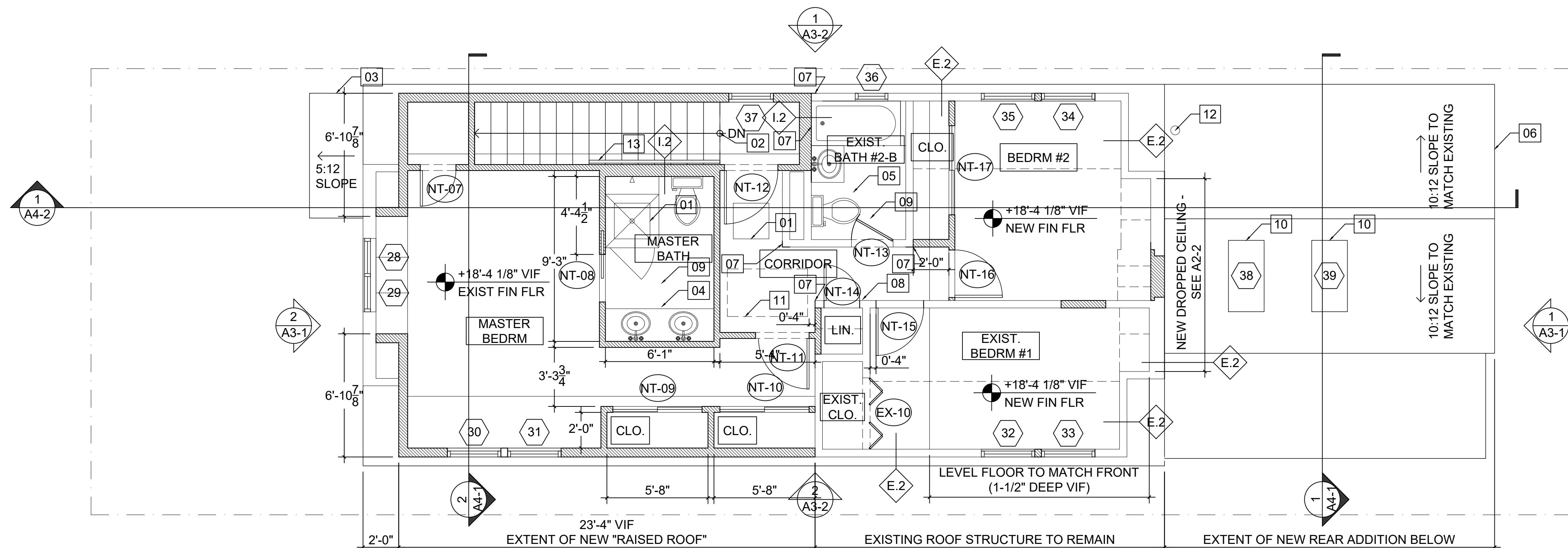
**Chang Residence
Renovation + Addition**
3123 N Kenmore Avenue
Chicago, IL 60657

Project 2019.001	Sheet A1-2
Date 10.28.2019	Second Floor Plan
Scale 1/4" = 1'-0"	



THIRD FLOOR PLAN KEYNOTES:

- DENOTED BY: #
- 01 ALTERNATE #3: NEW 2'X2' SKYLIGHTS ABOVE.
 - 02 SEE LOWER FLOOR PLAN FOR NOTES ON STAIR.
 - 03 NEW AWNING BELOW. SEE SHEET A5-1.
 - 04 NEW WC, 2-SINK LAV, TILE, AND TILED SHOWER W/ CUSTOM FRAMELESS GLASS ENCLOSURE/DOOR AND BENCH. SEE SHEET A8-1.
 - 05 NEW TUB, WC, LAV, AND TILE. SEE SHEET A8-1.
 - 06 NEW ROOF BELOW.
 - 07 PATCH WALL WITH GWB TO MATCH EXISTING WALL WHERE WALL WAS DEMO-ED.
 - 08 ALL THIRD FLOOR FLOORING TO BE NEW CARPET U.N.O.
 - 09 NEW TILE FLOOR.
 - 10 NEW 2'X4' SKYLIGHTS BELOW.
 - 11 32"X54" ACCESS PANEL FOR MECHANICAL UNIT #2 PER MANUFACTURER'S REQUIREMENTS. SEE MECHANICAL DRAWINGS.
 - 12 NEW 8" FLUE.
 - 13 HANDRAIL.



1 THIRD FLOOR PLAN

FLOOR PLAN LEGEND:

- EXISTING WALLS
- NEW WALLS
- EXISTING SWING DOORS
- NEW SWING DOORS

FLOOR PLAN GENERAL NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE CHICAGO BUILDING CODE AND CODES REFERENCED THEREIN.
 2. PATCH AND REPAIR TO MATCH ALL DAMAGE RESULTING FROM WORK. MATERIALS AND FINISHES TO MATCH ADJACENT SURFACES.
 3. FLOOR FINISH MATERIAL TO EXTEND TO WALL UNDER BASE CABINETS AND VANITIES.
 4. IF ANY EXISTING DIMENSIONS SHOWN ON PLAN DEVIATE FROM ACTUAL FIELD DIMENSIONS, NOTIFY ARCHITECT.
 5. TILED SHOWER WALLS TO BE MOISTURE-RESISTANT SHEETROCK.
 7. SEE SHEET A7-1 FOR WALL TYPES, DENOTED BY #.
- ALL TYPICAL INTERIOR WALLS ARE WALL TYPE I.1 U.N.O.
 ALL TYPICAL EXTERIOR WALLS ARE WALL TYPE E.1 U.N.O.
 8. NOT USED
 9. ALL WALLS AND TRIM TO BE PAINTED. COLORS TO BE APPROVED BY OWNER.
 10. ALL WOOD-FRAMING MEMBERS THAT ATTACH TO OR REST ON CONCRETE OR MASONRY AND ARE LESS THAN 8 IN. FROM THE EXPOSED GROUND SHALL BE PRESSURE-TREATED OR DECAY

- RESISTANT.
19. SCOPE OF WORK LIMITED TO UNIT #2 FOR ARCHITECTURAL RENOVATION AND ADDITION, INCLUDING ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK.
 20. REPLACE, PATCH AND PAINT ALL AREAS WHERE EXISTING DRYWALL IS REMOVED AT WALLS AND CEILINGS FOR STRUCTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING WORK.
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 22. SEE SHEET A7-1 FOR WINDOW AND DOOR SCHEDULES.
 23. SEE SHEET A1-4 FOR ROOF VENTING CALCULATIONS.
 24. SEE SITE PLAN FOR EXTENT OF SITE WORK.
 25. LEVEL FLOORS WHERE NECESSARY AT AREAS WHERE EXISTING FLOORS (EG TILE) ARE REMOVED TO ENSURE THAT INSTALLED FLOORS ARE CONTIGUOUS THROUGHOUT A GIVEN LEVEL.
 26. FILL EXISTING EXTERIOR WALLS ON SECOND AND THIRD LEVEL WITH OPEN CELL SPRAY FOAM INSULATION TO R-13. SEE WALL TYPE E.2
 27. PROVIDE ROD AND SHELF IN ALL CLOSETS.

Stamp

Date Signed: 10.28.2019

State of Illinois Professional Firm
 License No. 184007840-0001

Permit Set	10.28.19
No.	Revision/Issue
	Date

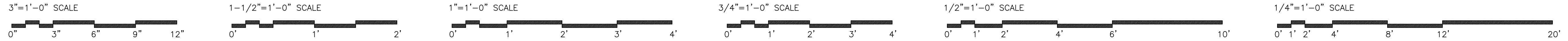
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Project Name and Address

**Chang Residence
 Renovation + Addition**
 3123 N Kenmore Avenue
 Chicago, IL 60657

Project 2019.001	Sheet A1-3
Date 10.28.2019	Third Floor Plan
Scale 1/4" = 1'-0"	



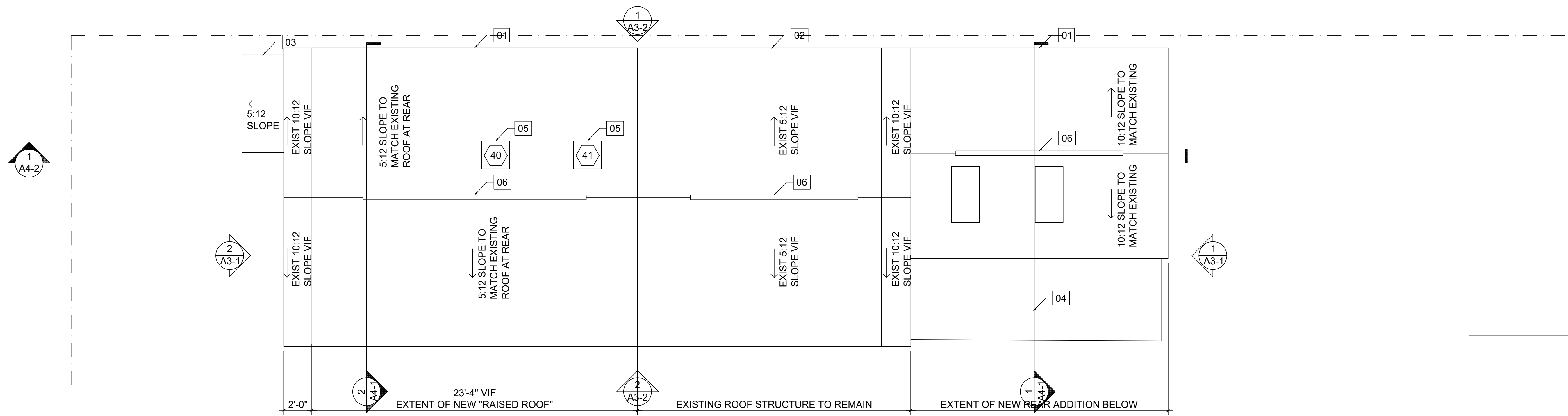
ROOF PLAN KEYNOTES:

- DENOTED BY: #
- 01 NEW ROOF STRUCTURE.
 - 02 EXISTING ROOF STRUCTURE.
 - 03 NEW AWNING BELOW.
 - 04 NEW DECK BELOW.
 - 05 ALTERNATE #3: NEW 2'X4' SKYLIGHTS.
 - 06 NEW RIDGE VENTS.

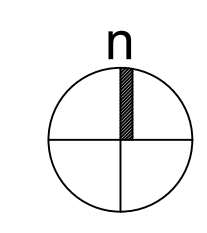
ROOF VENT CALCULATIONS							
DESCRIPTION	ROOF AREA	sq ft	CONVERSION	RIDGE VENT AVAIL. LENGTH	TOTAL RIDGE VENT AREA	EAVE VENT AVAIL. LENGTH	TOTAL EAVE VENT AREA
UPPER FRONT ROOF	545 SF	262 SQ IN		16 LF	132 SQ IN MIN	40 LF	132 SQ IN
UPPER REAR ROOF	408 SF	196 SQ IN		12 LF	98 SQ IN MIN	30 LF	98 SQ IN
REAR ADDITION ROOF	369 SF	178 SQ IN		12 LF	90 SQ IN MIN	28 LF	90 SQ IN

VENTILATION SPECIFICATIONS:

- RIDGE VENTS TO PROVIDE A MINIMUM OF 8.2 SQ IN PER LF OF VENTILATION.
- EAVE VENTS TO PROVIDE 3.25 SQ IN PER LF OF VENTILATION.
- "EAVE VENT LENGTH REQ." REPRESENTS TOTAL LENGTH ON BOTH EAVES OF ROOF. DIVIDE LENGTH BY TWO FOR LENGTH ON EACH EAVE.



1 ROOF PLAN



FLOOR PLAN LEGEND:

- EXISTING WALLS
- NEW WALLS
- EXISTING SWING DOORS
- NEW SWING DOORS

FLOOR PLAN GENERAL NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE CHICAGO BUILDING CODE AND CODES REFERENCED THEREIN.
 - PATCH AND REPAIR TO MATCH ALL DAMAGE RESULTING FROM WORK. MATERIALS AND FINISHES TO MATCH ADJACENT SURFACES.
 - FLOOR FINISH MATERIAL TO EXTEND TO WALL UNDER BASE CABINETS AND VANITIES.
 - IF ANY EXISTING DIMENSIONS SHOWN ON PLAN DEVIATE FROM ACTUAL FIELD DIMENSIONS, NOTIFY ARCHITECT.
 - TILED SHOWER WALLS TO BE MOISTURE-RESISTANT SHEETROCK.
 - SEE SHEET A7-1 FOR WALL TYPES, DENOTED BY #.
- ALL TYPICAL INTERIOR WALLS ARE WALL TYPE I.1 U.N.O.
ALL TYPICAL EXTERIOR WALLS ARE WALL TYPE E.1 U.N.O.
8. NOT USED
9. ALL WALLS AND TRIM TO BE PAINTED. COLORS TO BE APPROVED BY OWNER.
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- SCOPE OF WORK LIMITED TO UNIT #2 FOR ARCHITECTURAL RENOVATION AND ADDITION, INCLUDING ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK.
- REPLACE, PATCH AND PAINT ALL AREAS WHERE EXISTING DRYWALL IS REMOVED AT WALLS AND CEILINGS FOR STRUCTURAL, MECHANICAL, ELECTRICAL, OR PLUMBING WORK.
- FASTENERS FOR PRESSURE-PRESERVATIVE AND FIRE-RETARDANT-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. FASTENERS WITH PRESERVATIVE-TREATED WOOD TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR A MINIMUM OF ASTM A 653 TYPE G 185 FOR GALVANIZED STEEL. FASTENERS OTHER THAN NAILS MAY MEET ASTM B695, CLASS 55 MINIMUM.
- SEE SHEET A7-1 FOR WINDOW AND DOOR SCHEDULES.
- SEE SHEET A14 FOR ROOF VENTING CALCULATIONS.
- SEE SITE PLAN FOR EXTENT OF SITE WORK.
- LEVEL FLOORS WHERE NECESSARY AT AREAS WHERE EXISTING FLOORS (EG TILE) ARE REMOVED TO ENSURE THAT INSTALLED FLOORS ARE CONTIGUOUS THROUGHOUT A GIVEN LEVEL.
- FILL EXISTING EXTERIOR WALLS ON SECOND AND THIRD LEVEL WITH OPEN CELL SPRAY FOAM INSULATION TO R-13. SEE WALL TYPE E.2.
- PROVIDE ROD AND SHELF IN ALL CLOSETS.

Stamp

Date Signed: 10.28.2019

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License No. 184007840-0001

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No.	Revision/Issue
	Date

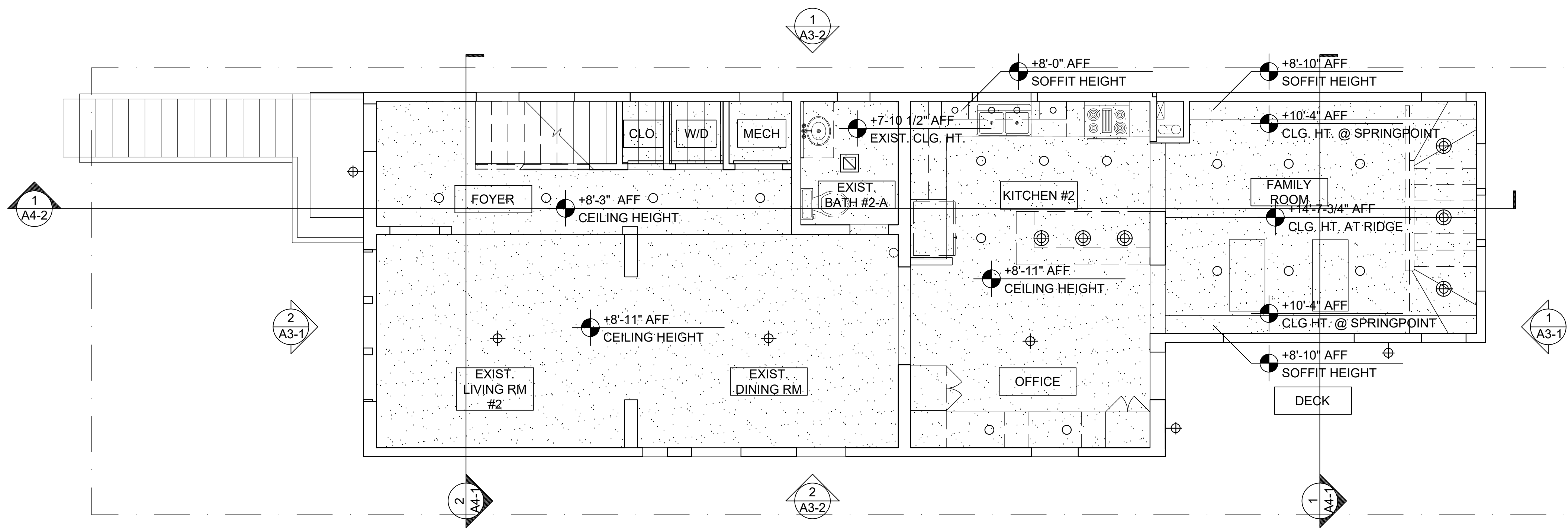
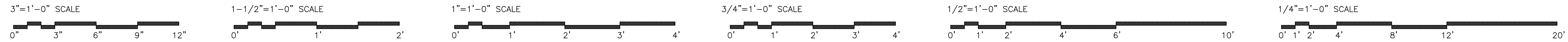
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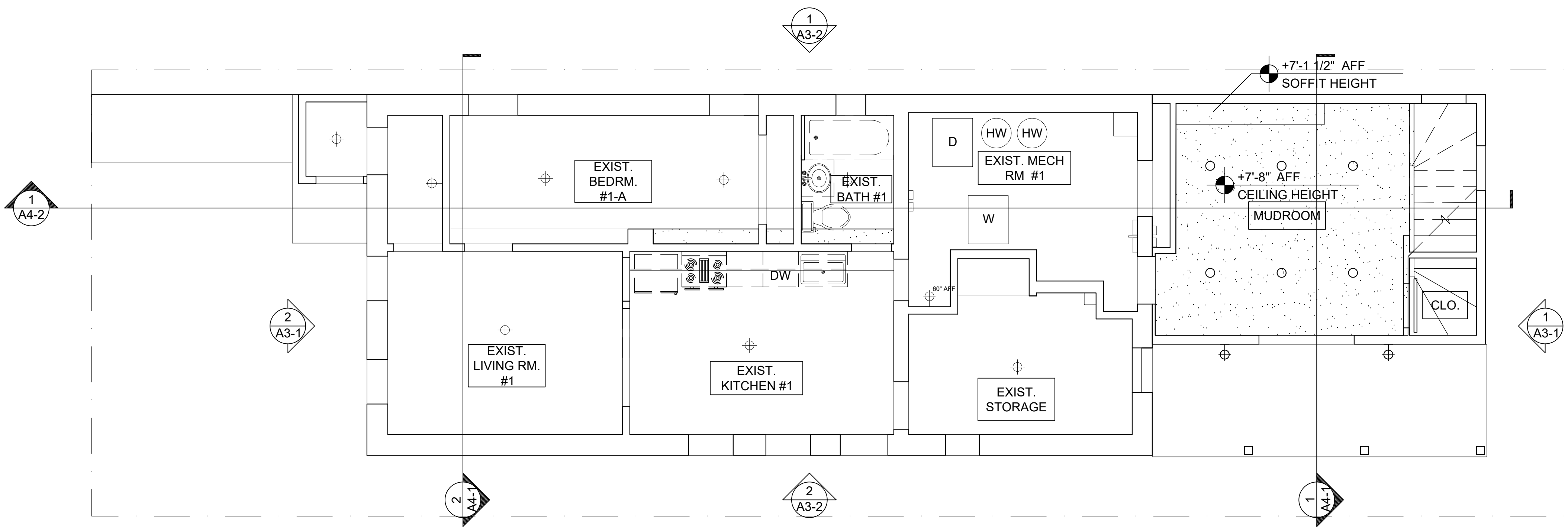
Project Name and Address

**Chang Residence
Renovation + Addition**
3123 N Kenmore Avenue
Chicago, IL 60657

Project 2019.001	Sheet A1-4
Date 10.28.2019	Roof Plan
Scale 1/4" = 1'-0"	



2 SECOND FLOOR REFLECTED CEILING PLAN

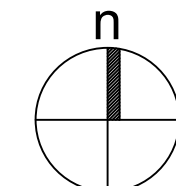


1 FIRST FLOOR REFLECTED CEILING PLAN

REFLECTED CEILING PLAN GENERAL NOTES:

- SEE LEGEND FOR EXISTING AND NEW LIGHTING FIXTURES, VENTS, AND AREAS OF NEW GWB CEILING.
- ALL FINAL LIGHT, SWITCH, AND OUTLET LOCATIONS TO BE APPROVED IN FIELD BY OWNER AND ARCHITECT PRIOR TO INSTALLATION.

- REFLECTED CEILING PLAN LEGEND:**
- EXISTING SURFACE-MOUNTED LIGHT FIXTURE
 - EXISTING WALL SCONCE
 - EXISTING LIGHT/VENT
 - NEW SURFACE-MOUNTED LIGHT FIXTURE (REUSE EXIST. WIRING WHERE POSSIBLE)
 - NEW PENDANT LIGHT FIXTURE
 - NEW RECESSED LIGHT FIXTURE
 - NEW WALL SCONCE
 - NEW LIGHT/VENT
 - NEW VENT
 - NEW LINEAR WALL-MOUNTED FIXTURE
 - NEW RECESSED JUNCTION BOX IN WALL FOR FUTURE BUILT-IN FIXTURE
 - CEILING FAN/LIGHT FIXTURE
 - LOW VOLTAGE PUCK LIGHT
 - AREA OF NEW GWB CEILING



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Date Signed: 10.28.2019

State of Illinois Professional Firm License No. 184007840-0001

Permit Set	10.28.19
No.	Revision/Issue Date

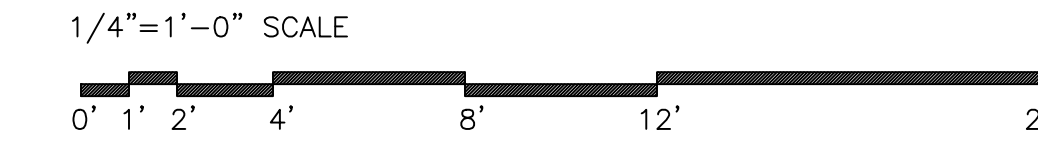
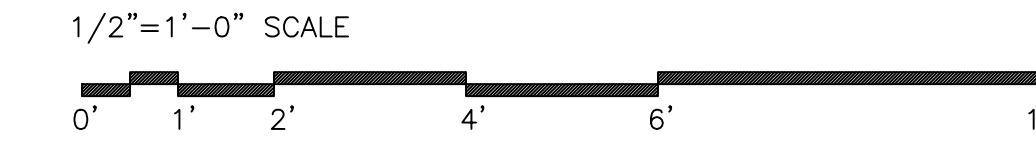
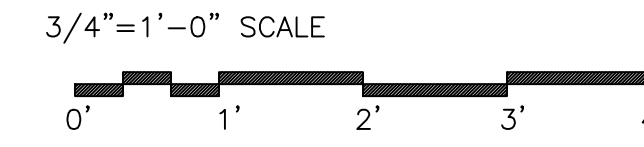
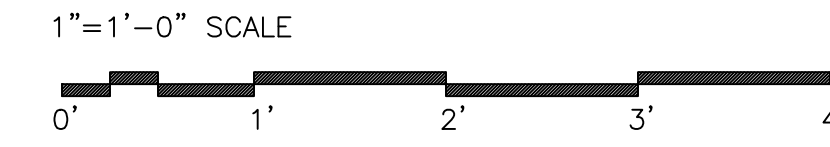
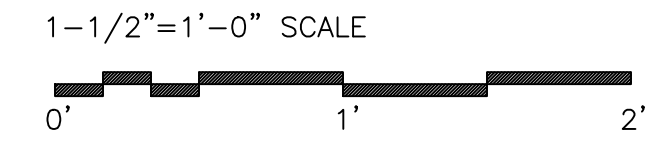
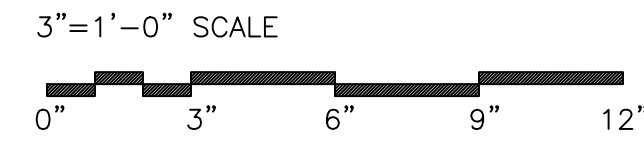
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Project Name and Address

**Chang Residence
 Renovation + Addition**
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 Chicago, IL 60657

Project 2019.001	Sheet A2-1
Date 10.28.2019	First + Second Floor Reflected Ceiling Plans
Scale 1/4" = 1'-0"	



REFLECTED CEILING PLAN GENERAL NOTES:

- SEE LEGEND FOR EXISTING AND NEW LIGHTING FIXTURES, VENTS, AND AREAS OF NEW GWB CEILING.
- ALL FINAL LIGHT, SWITCH, AND OUTLET LOCATIONS TO BE APPROVED IN FIELD BY OWNER AND ARCHITECT PRIOR TO INSTALLATION.

Stamp

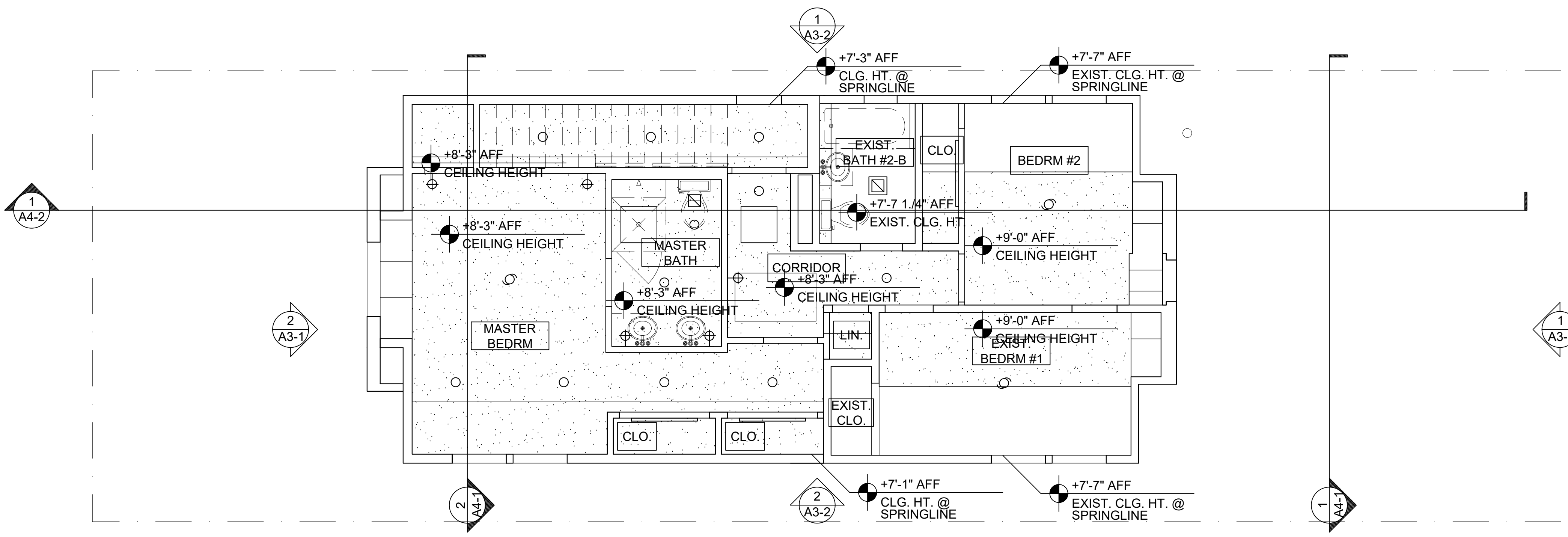


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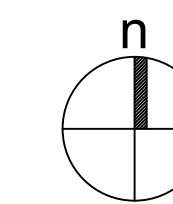
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REFLECTED CEILING PLAN LEGEND:

- EXISTING SURFACE-MOUNTED LIGHT FIXTURE
- EXISTING WALL SCONCE
- EXISTING LIGHT/VENT
- NEW SURFACE-MOUNTED LIGHT FIXTURE (REUSE EXIST. WIRING WHERE POSSIBLE)
- NEW PENDANT LIGHT FIXTURE
- NEW RECESSED LIGHT FIXTURE
- NEW WALL SCONCE
- NEW LIGHT/VENT
- NEW VENT
- NEW LINEAR WALL-MOUNTED FIXTURE
- NEW RECESSED JUNCTION BOX IN WALL FOR FUTURE BUILT-IN FIXTURE
- CEILING FAN/LIGHT FIXTURE
- LOW VOLTAGE PUCK LIGHT
- AREA OF NEW GWB CEILING



1 THIRD FLOOR REFLECTED CEILING PLAN

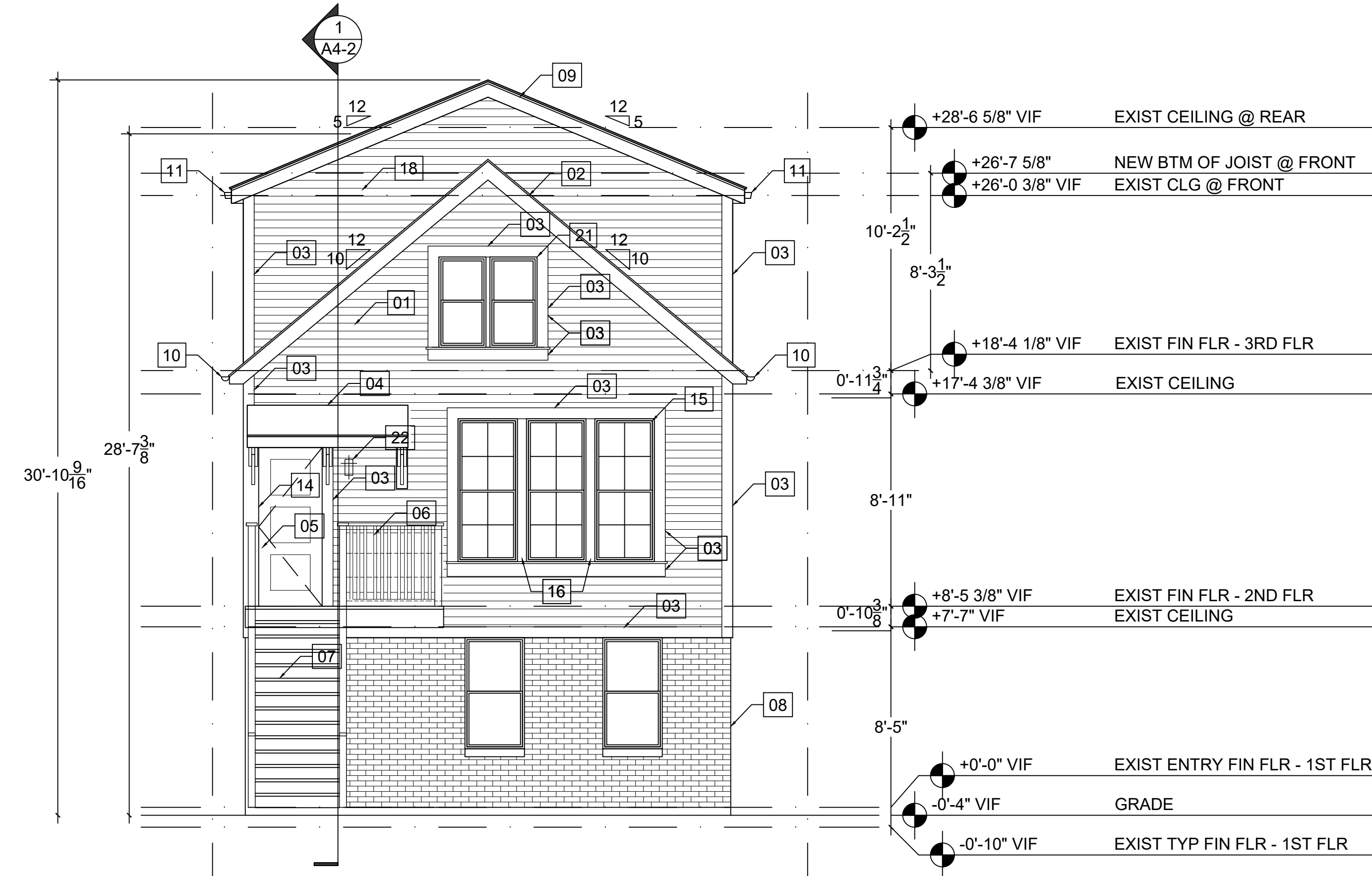
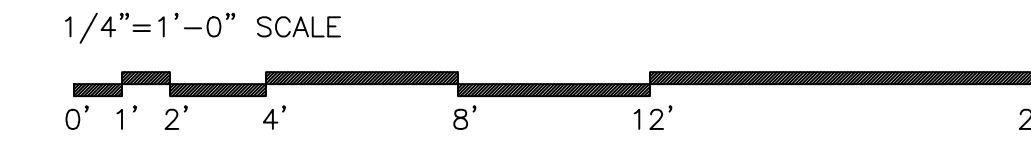
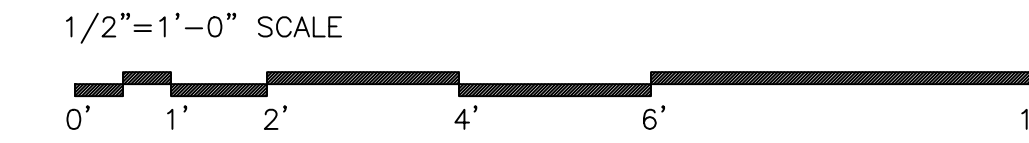
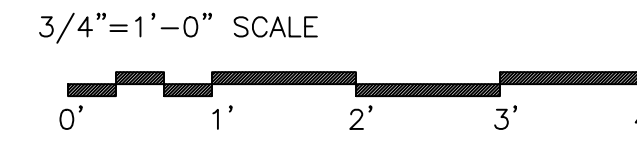
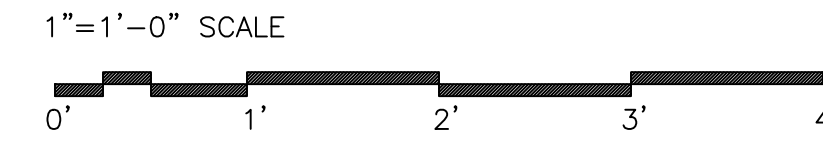
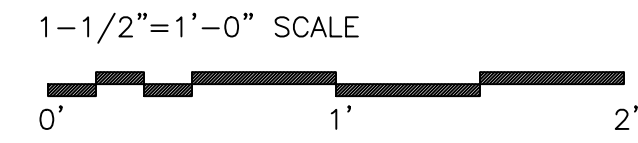


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No.	Revision/Issue
	Date

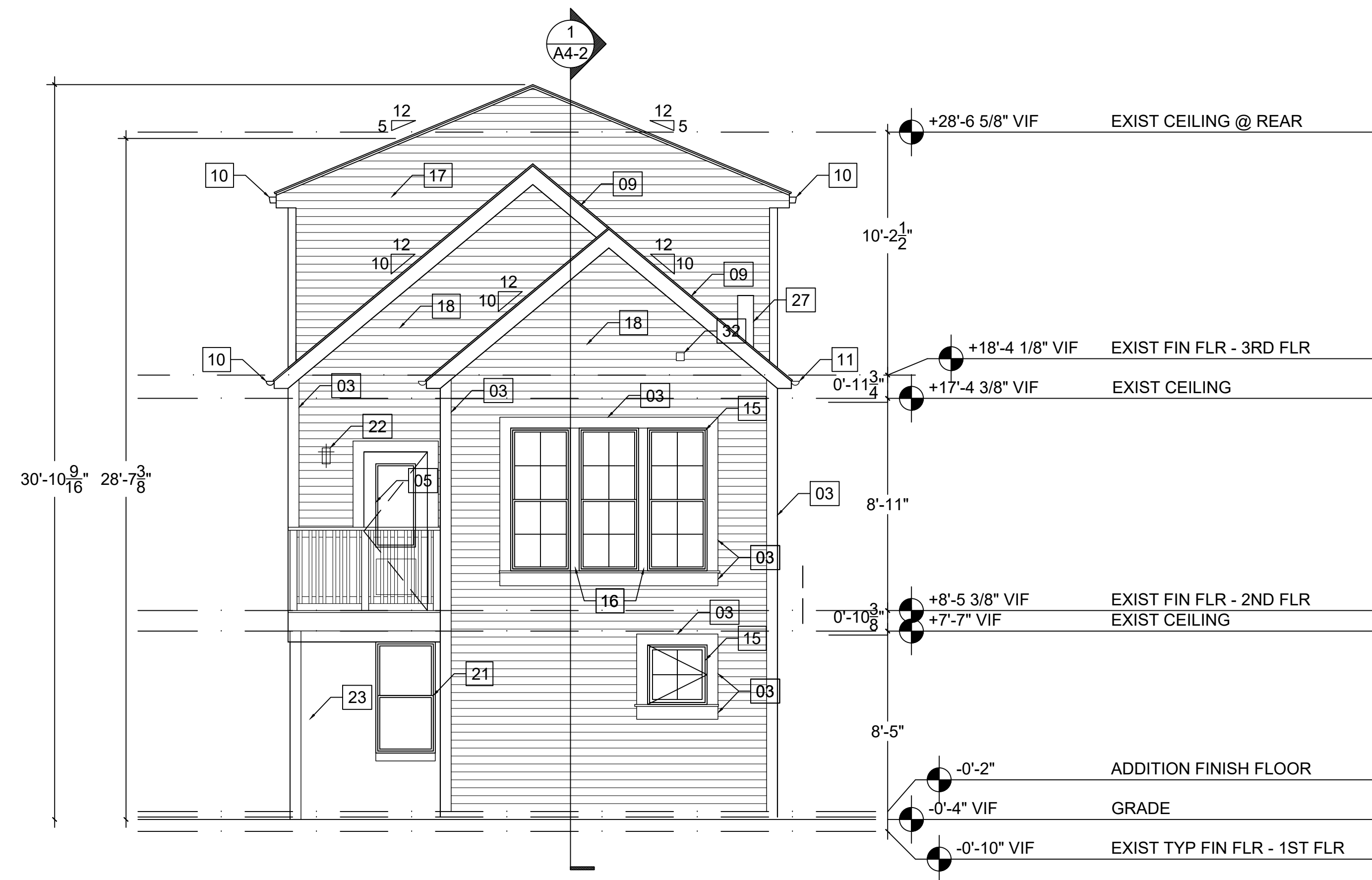
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 Chicago, IL 60657

Project 2019.001	Sheet A2-2
Date 10.28.2019	Third Floor Reflected Ceiling Plan
Scale 1/4" = 1'-0"	



2 WEST ELEVATION



1 EAST ELEVATION

ELEVATION KEYNOTES:

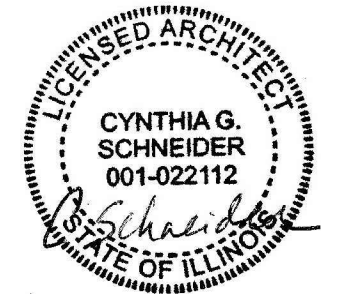
DENOTED BY: #

- 01 NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING. PAINT EXT. COLOR #1. ALT #1: EXISTING ALUMINUM SIDING TO REMAIN, PAINT EXT. COLOR #1. CUT ALUM. SIDING TO ACCOMMODATE NEW TRIM & WINDOWS.
- 02 PAINT EXISTING WOOD FASCIA'S AND SOFFITS, EXT. COLOR #2.
- 03 NEW 2X6 WOOD TRIM, PAINTED EXT. COLOR #2.
- 04 NEW AWNING WITH WOOD BRACKETS, ASPHALT SHINGLE ROOF. SEE 1&2/A5-2 FOR DETAILS. NEW DOOR. SEE DOOR SCHEDULE AND SPECS ON A7-1. SEE A5 SERIES SHEETS FOR GUARDRAIL AND HANDRAIL DETAILS. PAINT GUARDRAIL AND HANDRAIL EXT. COLOR #2.
- 05 EXISTING DECKING, STAIRS, AND WOOD SIDING AT STAIR PAINTED EXT. COLOR #3.

ELEVATION KEYNOTES (CON'T):

- 08 EXISTING BRICK, WINDOWS, AND DOORS AT GROUND FLOOR UNIT TO REMAIN.
- 09 1X8 FASCIA BOARD. PAINT EXT. COLOR #2.
- 10 EXISTING GUTTER TO REMAIN.
- 11 NEW GUTTER.
- 12 EXISTING DOWNSPOUT TO REMAIN.
- 13 NEW DOWNSPOUT.
- 14 2X8 WOOD CORNERBOARD AT DOOR LOCATION ONLY.
- 15 NEW VINYL WINDOWS.
- 16 NEW 2X TRIM CUT TO FIT BETWEEN WINDOWS (R.O. DIM 4-1/2").
- 17 EXISTING 4" VINYL SIDING TO REMAIN. ALT. #2: NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING, EXT. COLOR #1.
- 18 NEW VINYL 4" LAP SIDING, PREMIUM COLOR. ALT #2: NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING, EXT. COLOR #1.
- 19 NEW VINYL 4" LAP SIDING, COLOR TO MATCH EXISTING. ALT #2: NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING, EXT. COLOR #1.
- 20 EXISTING 4-1/2" WOOD LAP SIDING TO REMAIN. PAINT EXT. COLOR #1.
- 21 REPLACE EXISTING WINDOW WITH NEW VINYL WINDOW.
- 22 NEW EXTERIOR LIGHT FIXTURE.
- 23 STUCCO EXISTING BRICK WALL.
- 24 INFILL 4-1/2" WOOD LAP SIDING TO MATCH EXISTING WHERE WINDOW AND TRIM IS DEMOLISHED.
- 25 NEW ROOF STRUCTURE AND ASPHALT SHINGLE ROOF.
- 26 EXISTING ROOF STRUCTURE TO REMAIN. NEW SHEATHING AND ASPHALT SHINGLE ROOF.
- 27 NEW FLUE.
- 28 NEW DECK AND HANDRAIL. SEE A5 SERIES SHEETS.
- 29 EXISTING GARAGE TO REMAIN.
- 30 2X8 WOOD TRIM TO INFILL MISSING WOOD SIDING AT WINDOW RESIZING LOCATION. PAINT EXT. COLOR #2.
- 31 2X4 WOOD TRIM AT SMALL WINDOWS. PAINT EXT. COLOR #2.
- 32 NEW ELECTRICAL SERVICE ENTRANCE.

Stamp



Date Signed: 10.28.2019

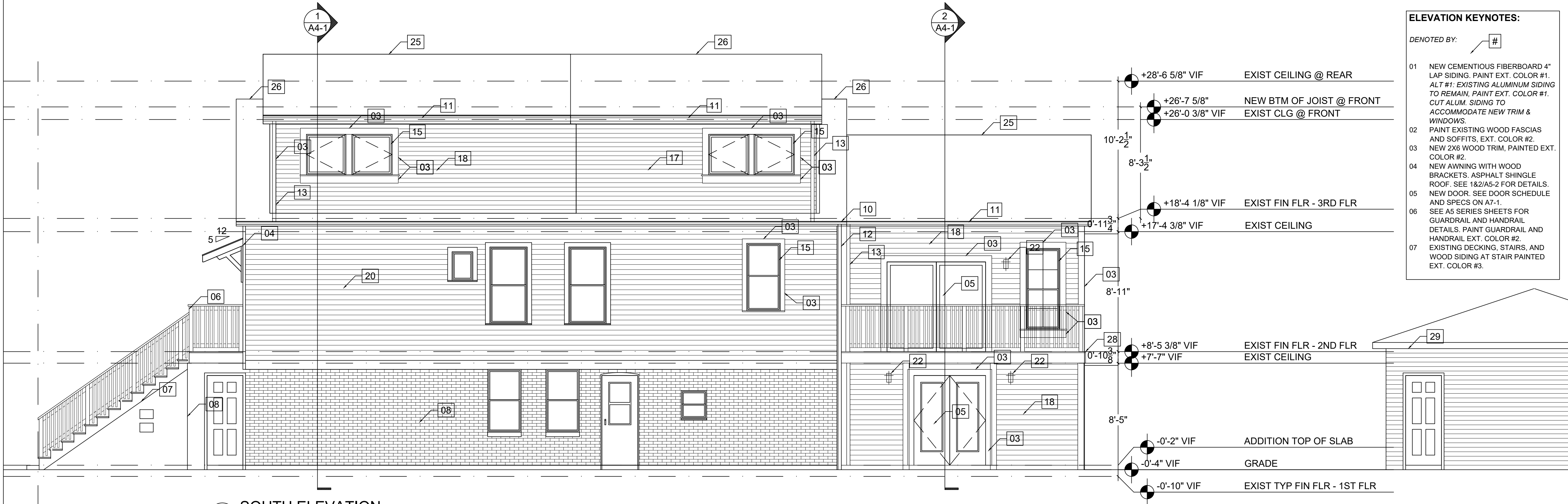
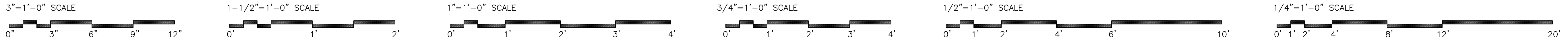
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No.	Revision/Issue Date

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 Chicago, IL 60657

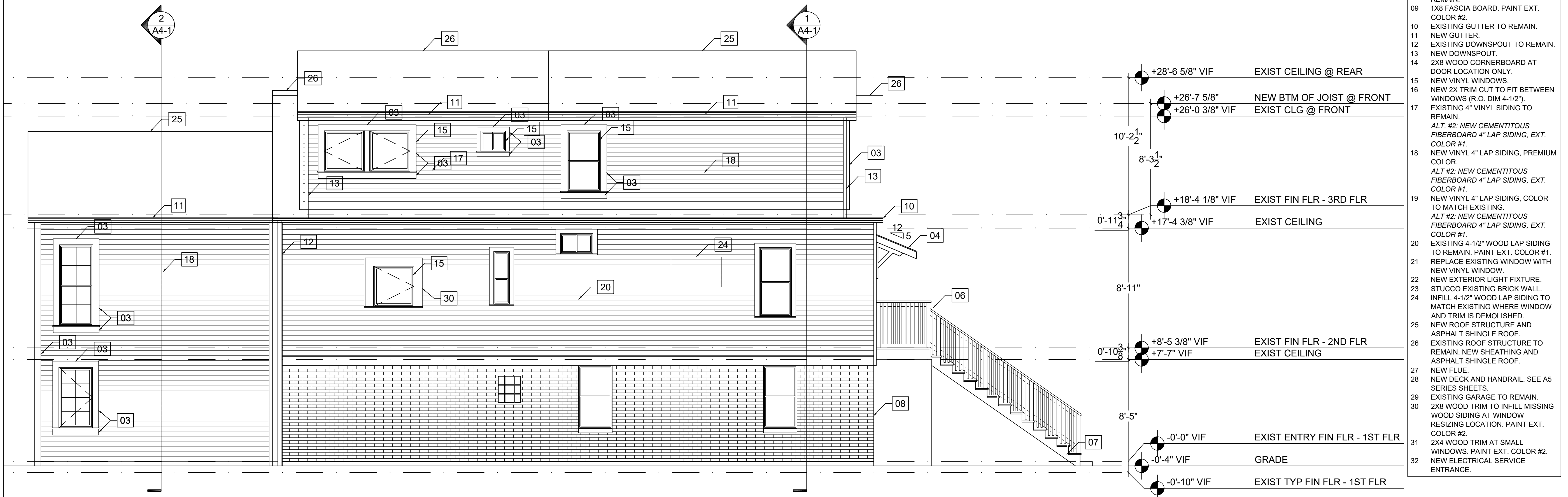
Project 2019.001	Sheet A3-1
Date 10.28.2019	East + West Elevations
Scale 1/4" = 1'-0"	



2 SOUTH ELEVATION

- ELEVATION KEYNOTES:**
- DENOTED BY: #
- 01 NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING. PAINT EXT. COLOR #1. ALT #1: EXISTING ALUMINUM SIDING TO REMAIN. PAINT EXT. COLOR #1. CUT ALUM. SIDING TO ACCOMMODATE NEW TRIM & WINDOWS.
 - 02 PAINT EXISTING WOOD FASCIAS AND SOFFITS, EXT. COLOR #2.
 - 03 NEW 2X6 WOOD TRIM, PAINTED EXT. COLOR #2.
 - 04 NEW AWNING WITH WOOD BRACKETS. ASPHALT SHINGLE ROOF. SEE 1&2/A5-2 FOR DETAILS.
 - 05 NEW DOOR. SEE DOOR SCHEDULE AND SPECS ON A7-1.
 - 06 SEE A5 SERIES SHEETS FOR GUARDRAIL AND HANDRAIL DETAILS. PAINT GUARDRAIL AND HANDRAIL EXT. COLOR #2.
 - 07 EXISTING DECKING, STAIRS, AND WOOD SIDING AT STAIR PAINTED EXT. COLOR #3.

- ELEVATION KEYNOTES (CONT):**
- 08 EXISTING BRICK, WINDOWS, AND DOORS AT GROUND FLOOR UNIT TO REMAIN.
 - 09 1X8 FASCIA BOARD. PAINT EXT. COLOR #2.
 - 10 EXISTING GUTTER TO REMAIN. NEW GUTTER.
 - 11 EXISTING DOWNSPOUT TO REMAIN. NEW DOWNSPOUT.
 - 12 2X8 WOOD CORNERBOARD AT DOOR LOCATION ONLY.
 - 13 NEW VINYL WINDOWS.
 - 14 NEW 2X TRIM CUT TO FIT BETWEEN WINDOWS (R.O. DIM 4-1/2").
 - 15 EXISTING 4" VINYL SIDING TO REMAIN.
 - 16 ALT. #2: NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING, EXT. COLOR #1.
 - 17 NEW VINYL 4" LAP SIDING, PREMIUM COLOR.
 - 18 ALT. #2: NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING, EXT. COLOR #1.
 - 19 NEW VINYL 4" LAP SIDING, COLOR TO MATCH EXISTING.
 - 20 ALT. #2: NEW CEMENTITIOUS FIBERBOARD 4" LAP SIDING, EXT. COLOR #1.
 - 21 EXISTING 4-1/2" WOOD LAP SIDING TO REMAIN. PAINT EXT. COLOR #1. REPLACE EXISTING WINDOW WITH NEW VINYL WINDOW.
 - 22 NEW EXTERIOR LIGHT FIXTURE.
 - 23 STUCCO EXISTING BRICK WALL.
 - 24 INFILL 4-1/2" WOOD LAP SIDING TO MATCH EXISTING WHERE WINDOW AND TRIM IS DEMOLISHED.
 - 25 NEW ROOF STRUCTURE AND ASPHALT SHINGLE ROOF.
 - 26 EXISTING ROOF STRUCTURE TO REMAIN. NEW SHEATHING AND ASPHALT SHINGLE ROOF.
 - 27 NEW FLUE.
 - 28 NEW DECK AND HANDRAIL. SEE A5 SERIES SHEETS.
 - 29 EXISTING GARAGE TO REMAIN.
 - 30 2X8 WOOD TRIM TO INFILL MISSING WOOD SIDING AT WINDOW RESIZING LOCATION. PAINT EXT. COLOR #2.
 - 31 2X4 WOOD TRIM AT SMALL WINDOWS. PAINT EXT. COLOR #2.
 - 32 NEW ELECTRICAL SERVICE ENTRANCE.



1 NORTH ELEVATION

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Date Signed: 10.28.2019

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No.	Revision/Issue

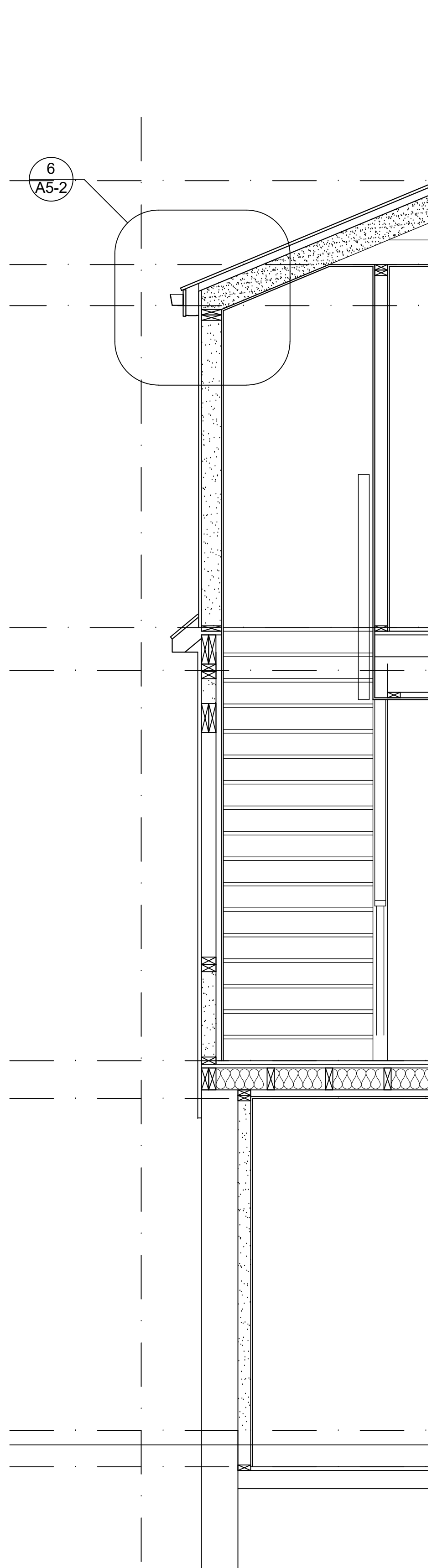
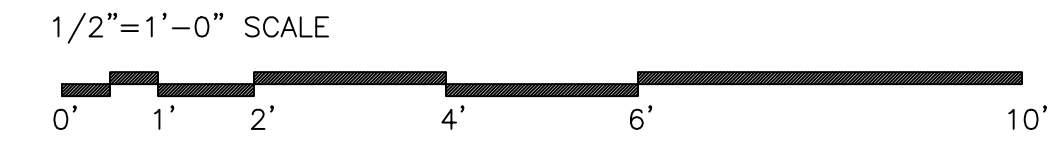
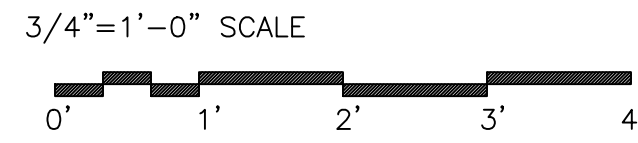
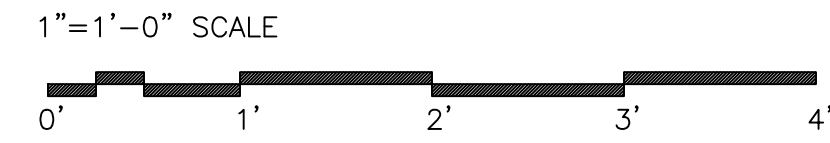
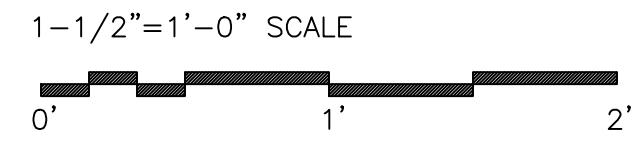
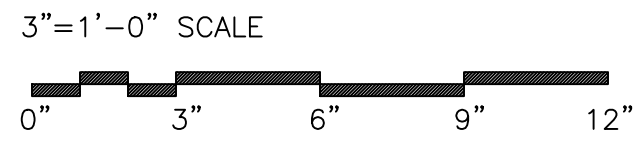
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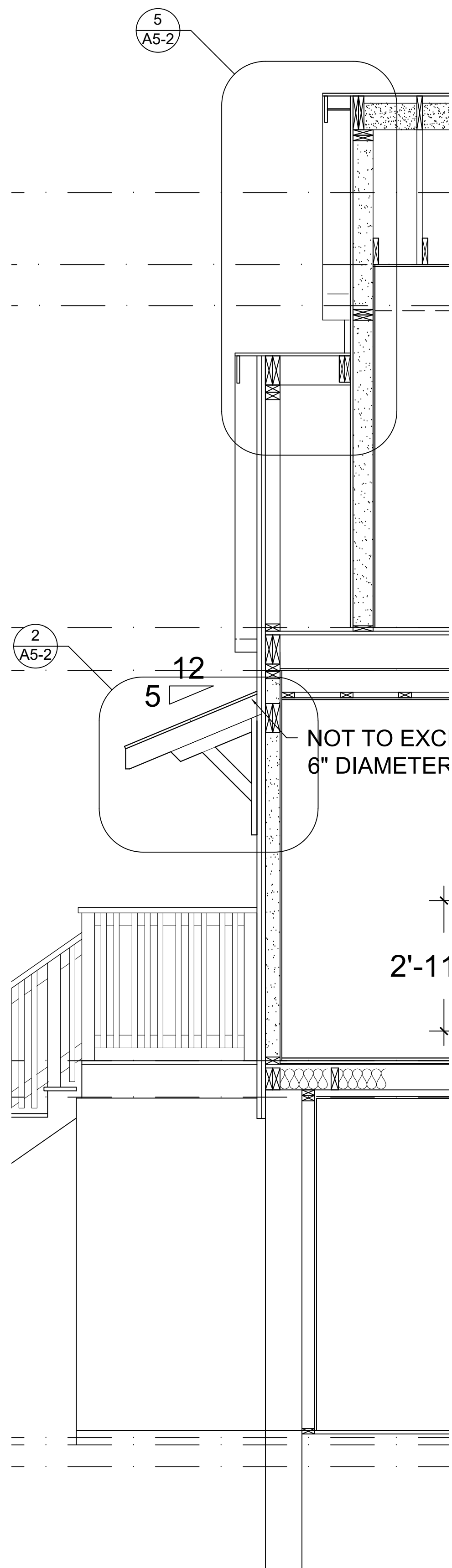
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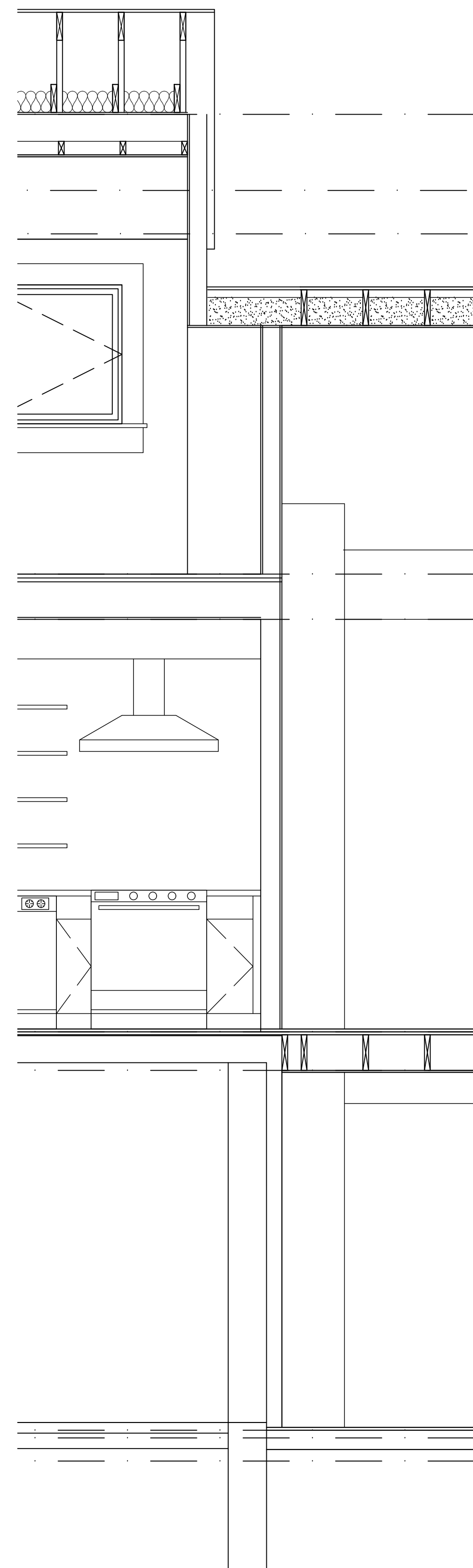
Project 2019.001	Sheet A3-2
Date 10.28.2019	North + South Elevations
Scale 3/4" = 1'-0"	



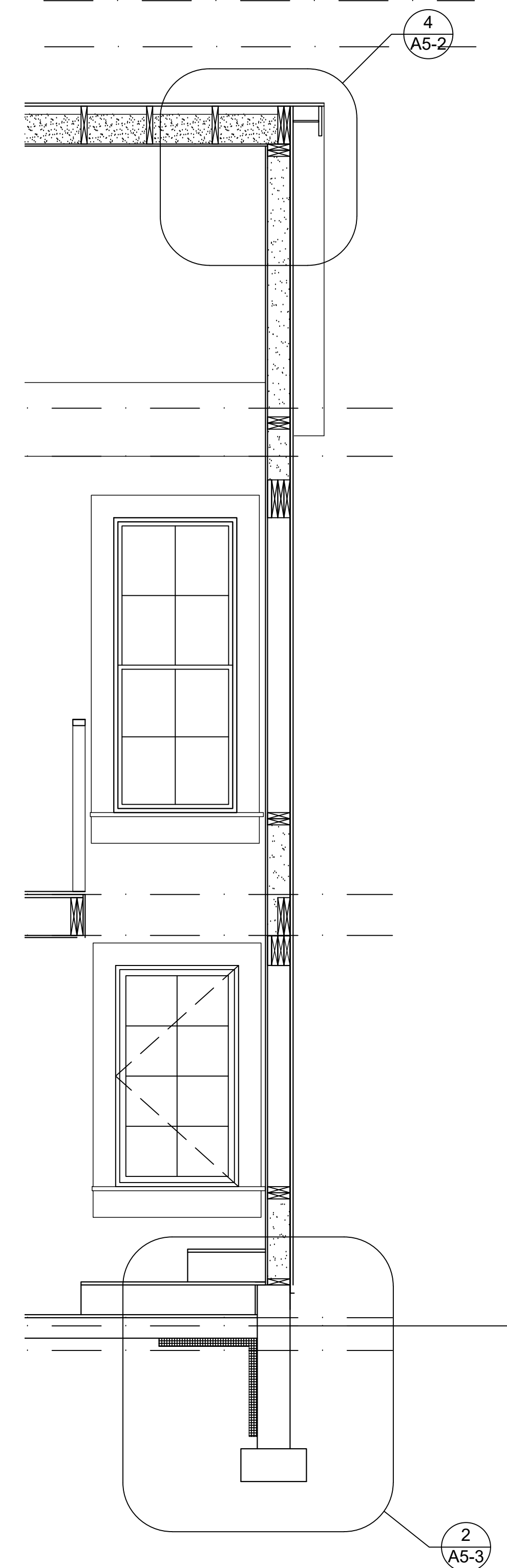
5 WALL SECT @ FRONT (EAVE)



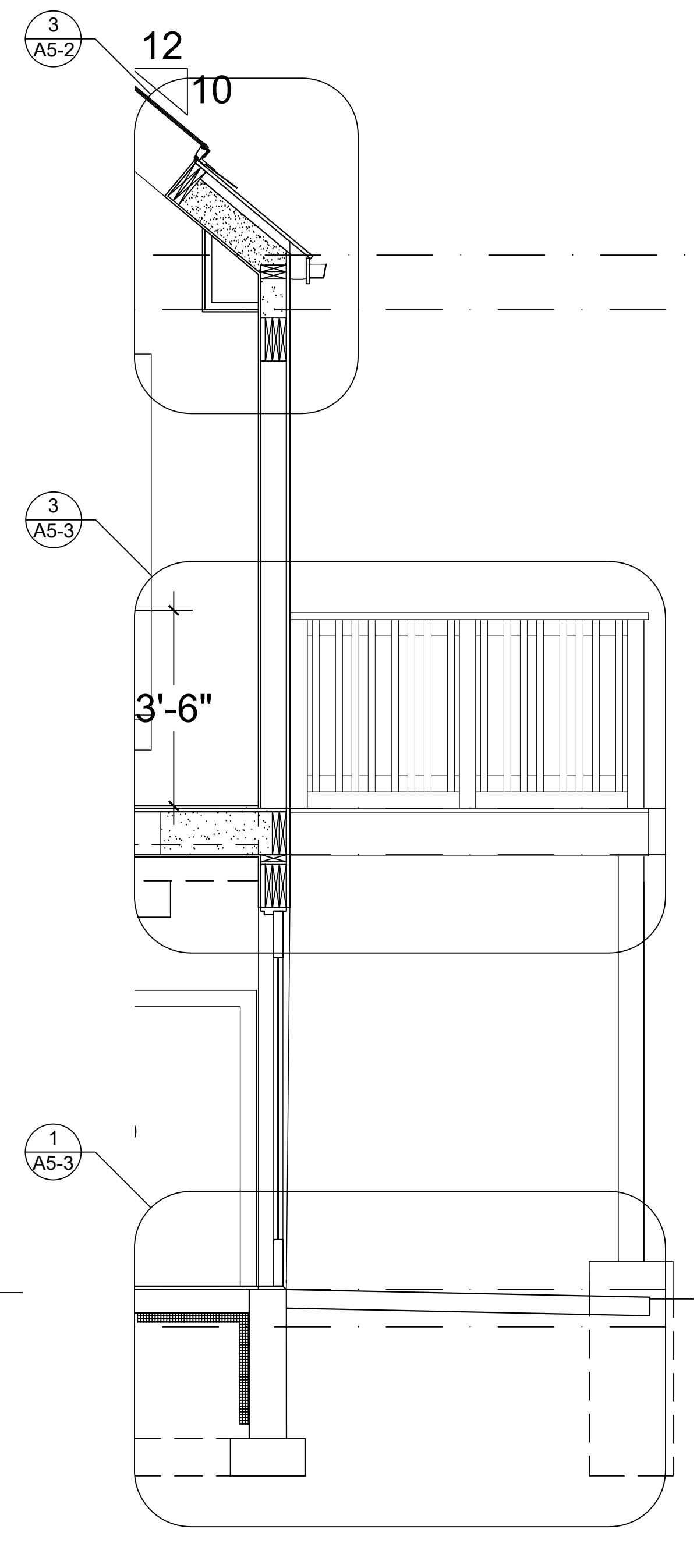
4 WALL SECT @ FRONT (RAKE)



3 WALL SECT @ REAR / ADDITION



2 WALL SECT @ ADDITION (RAKE)



1 WALL SECT @ ADDITION (EAVE)

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	Date

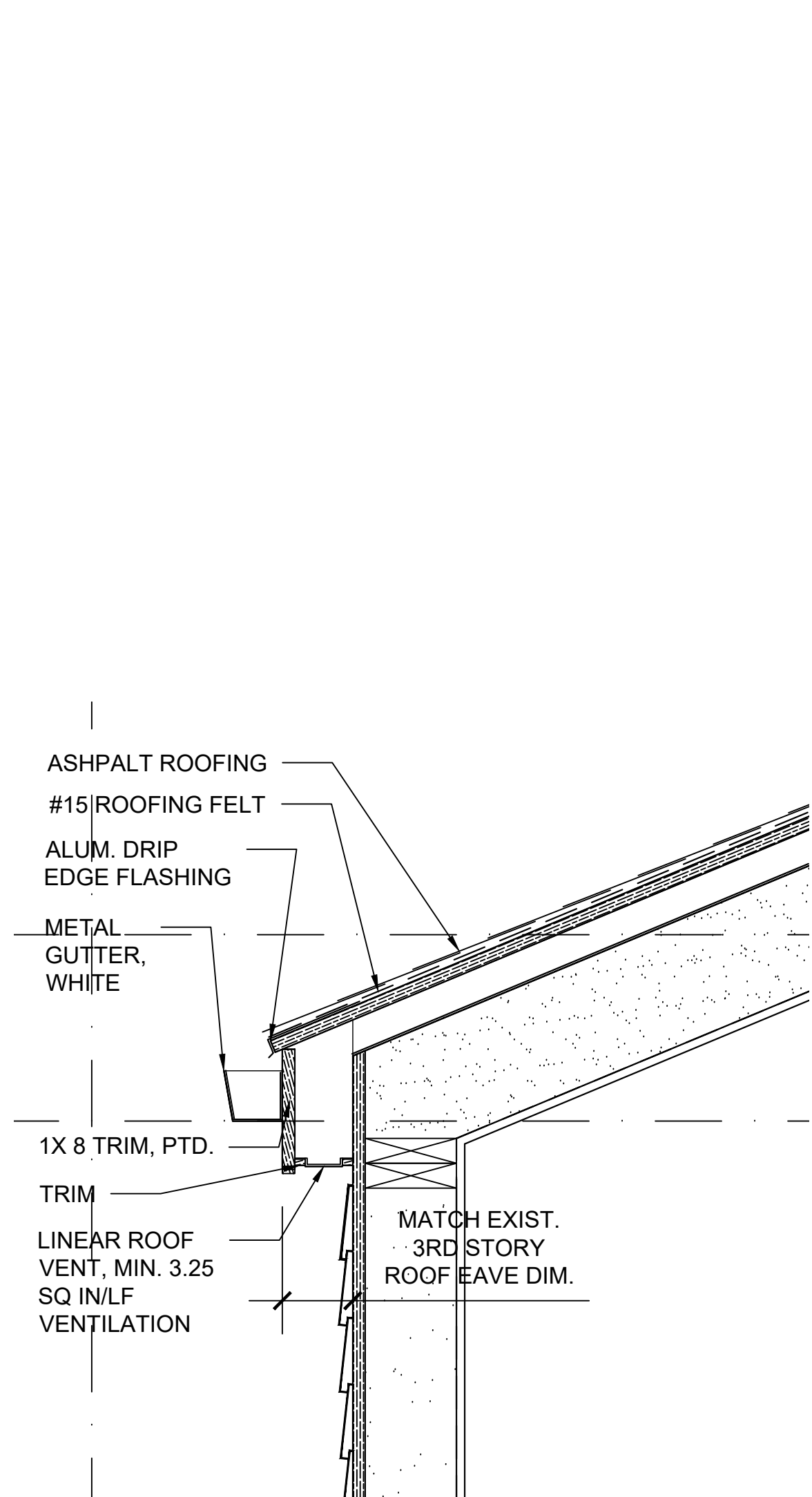
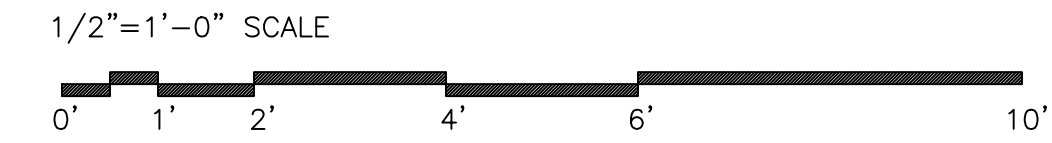
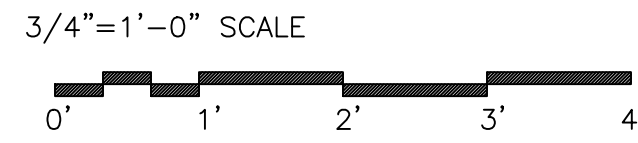
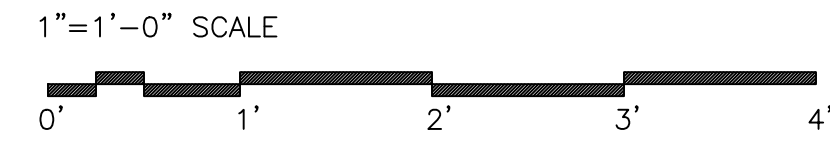
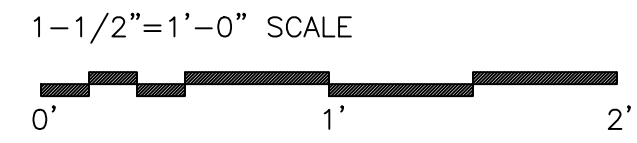
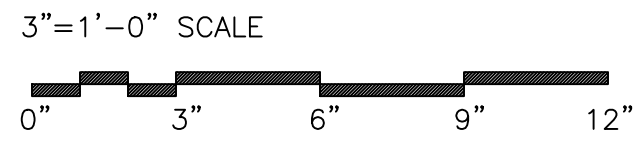
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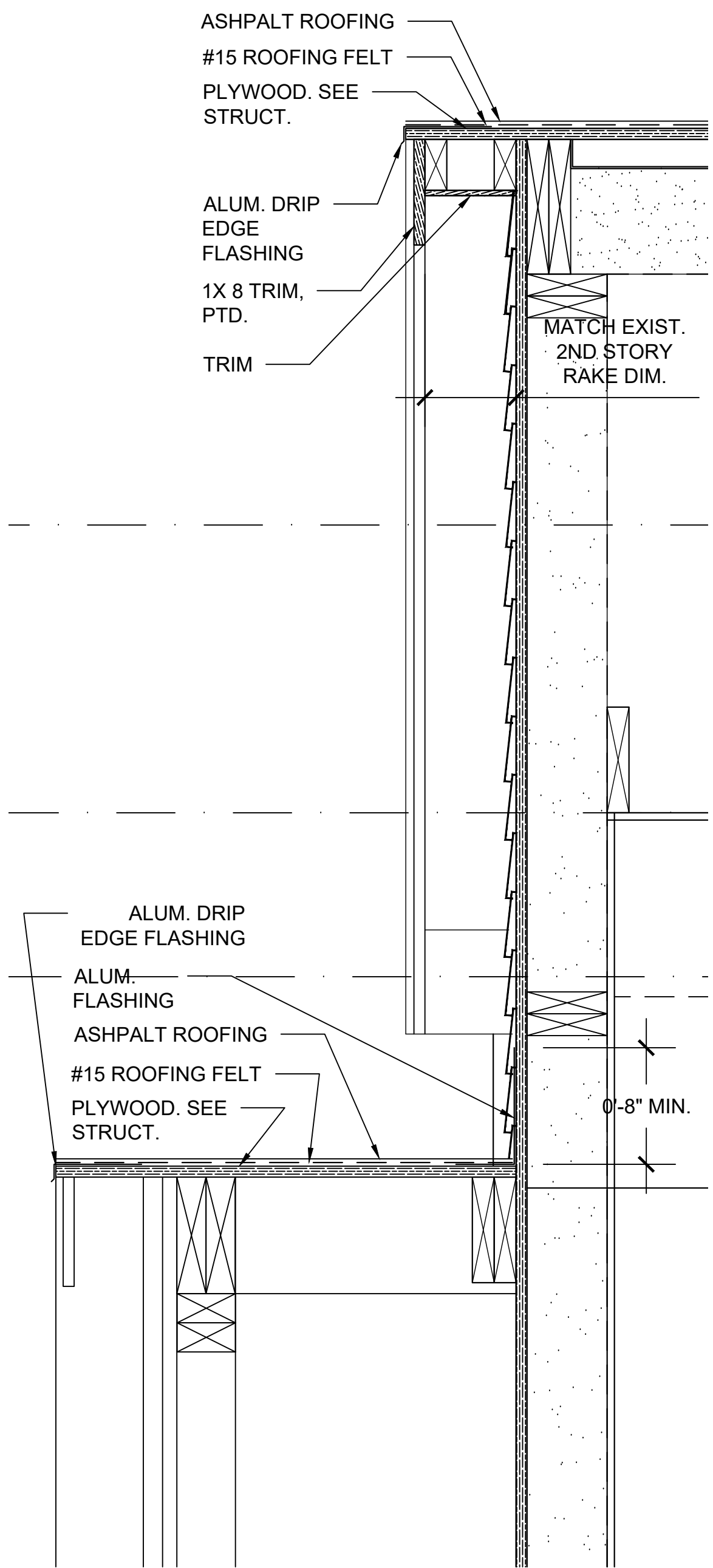
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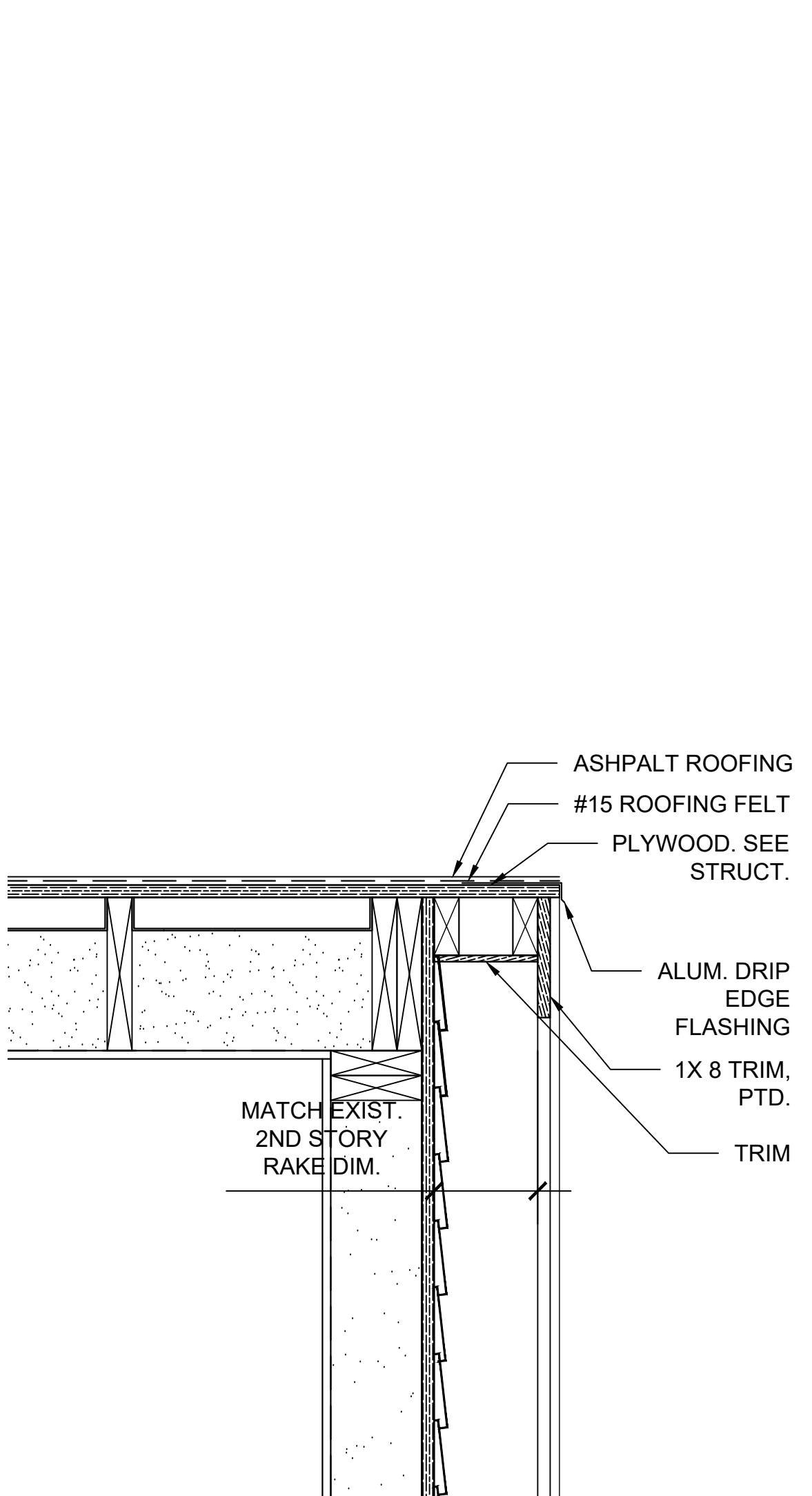
Project 2019.001	Sheet A5-1
Date 10.28.2019	Wall Sections
Scale 1/2"=1'-0"	



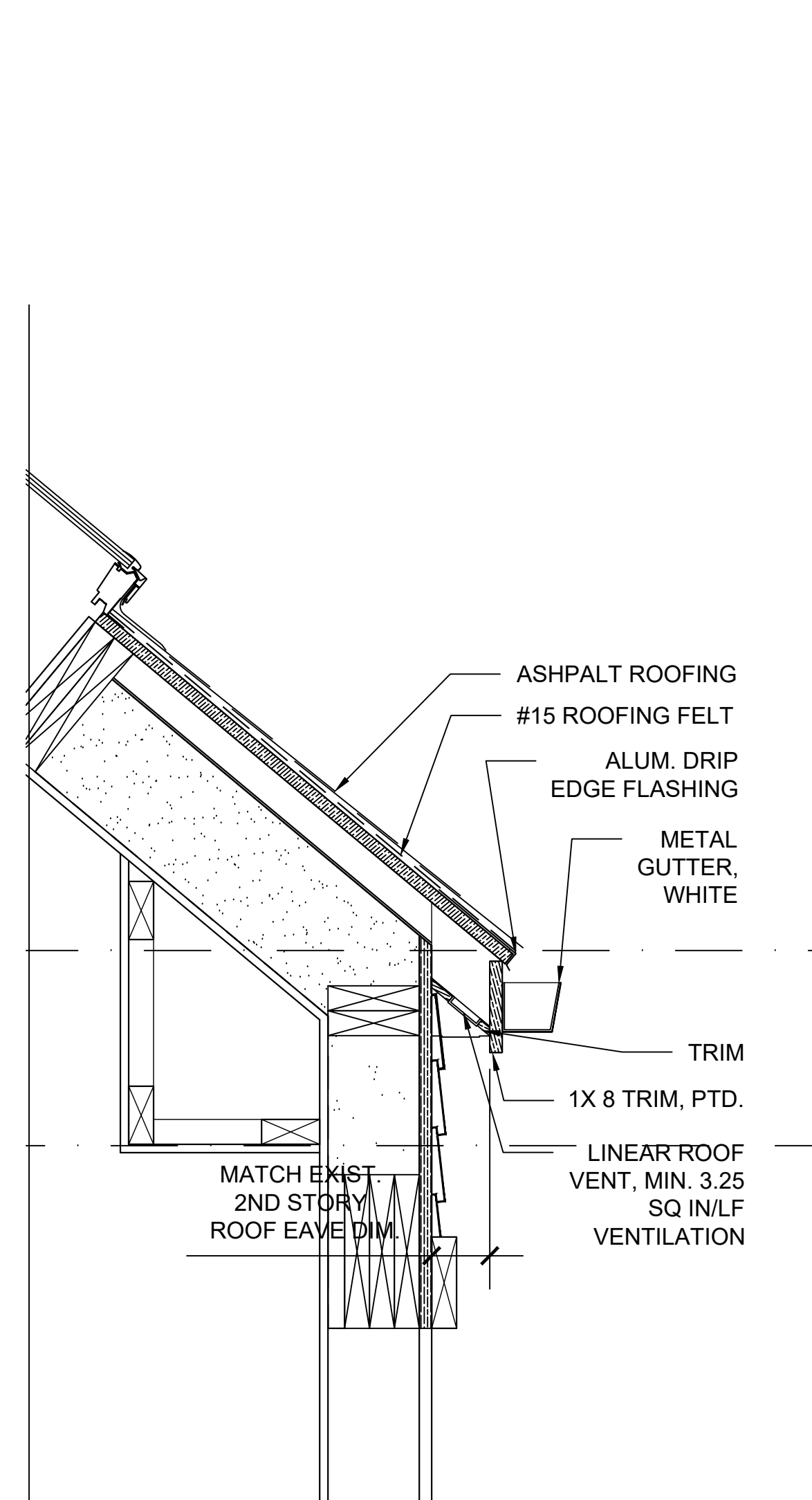
6 EAVE DETAIL @ FRONT
1-1/2" = 1'-0"



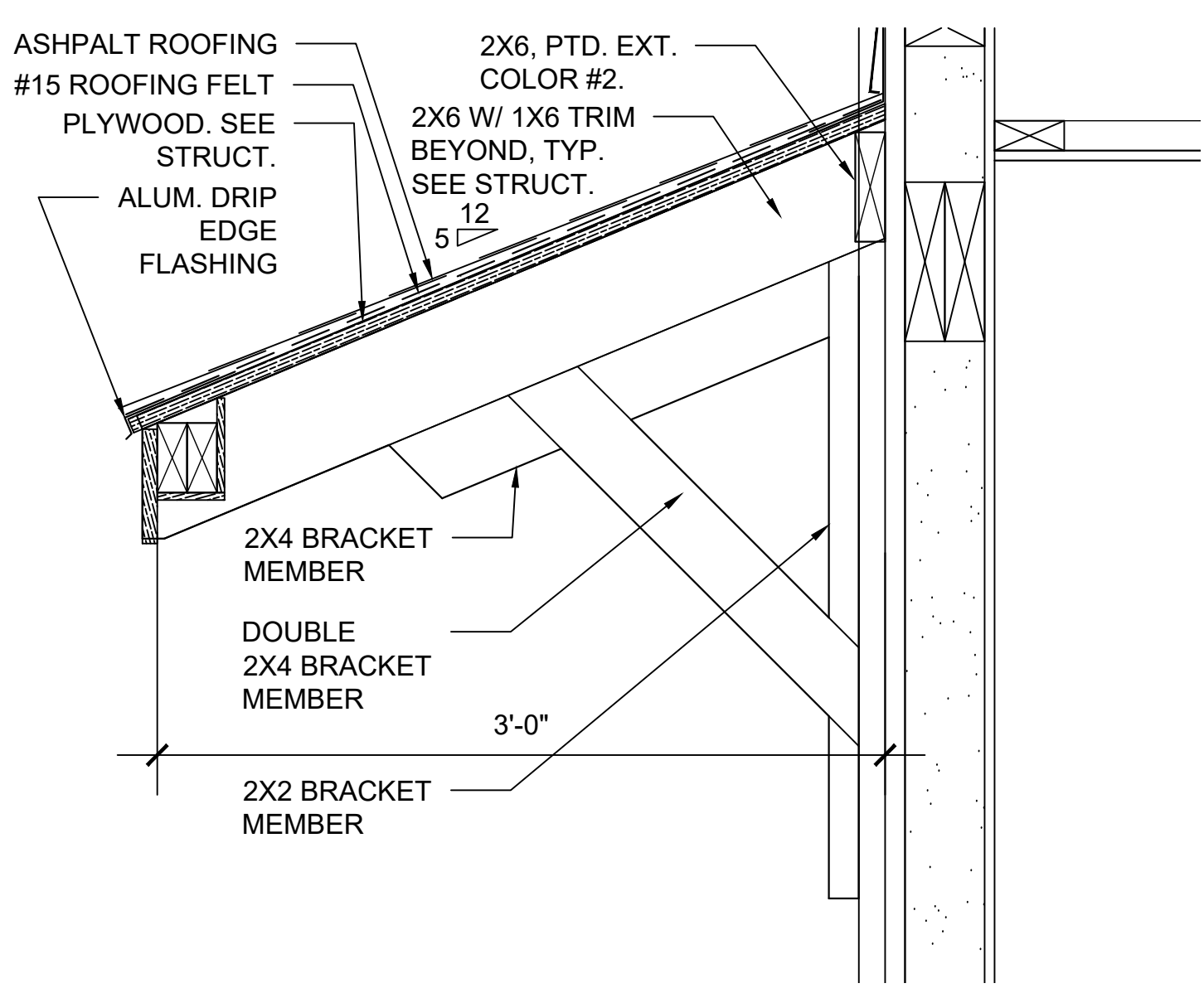
5 RAKE DETAIL @ FRONT
1-1/2" = 1'-0"



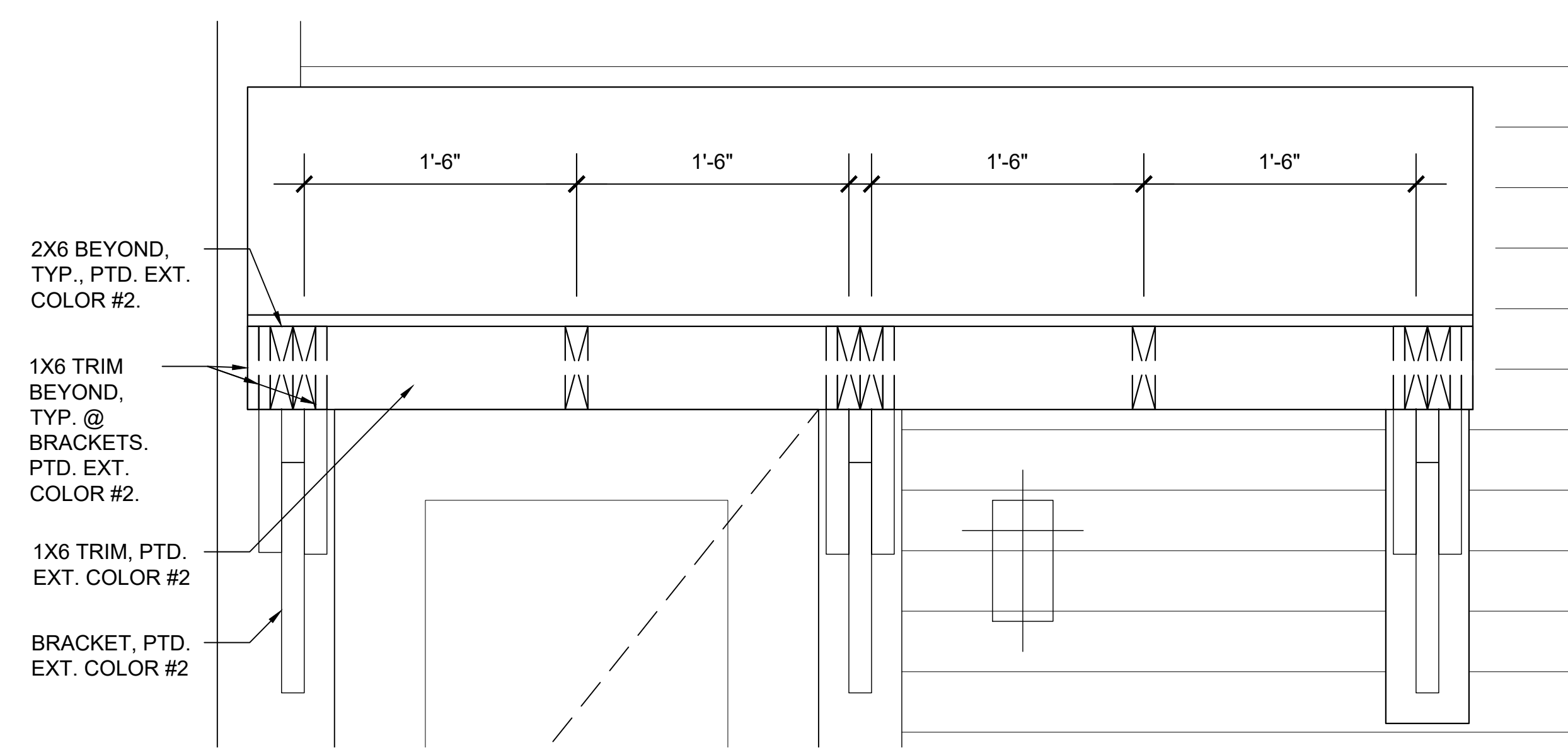
4 RAKE DETAIL @ REAR ADDITION
1-1/2" = 1'-0"



3 EAVE DETAIL @ REAR ADDITION
1-1/2" = 1'-0"



2 AWNING DETAIL
1-1/2" = 1'-0"



1 AWNING ELEVATION
1-1/2" = 1'-0"

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	Date

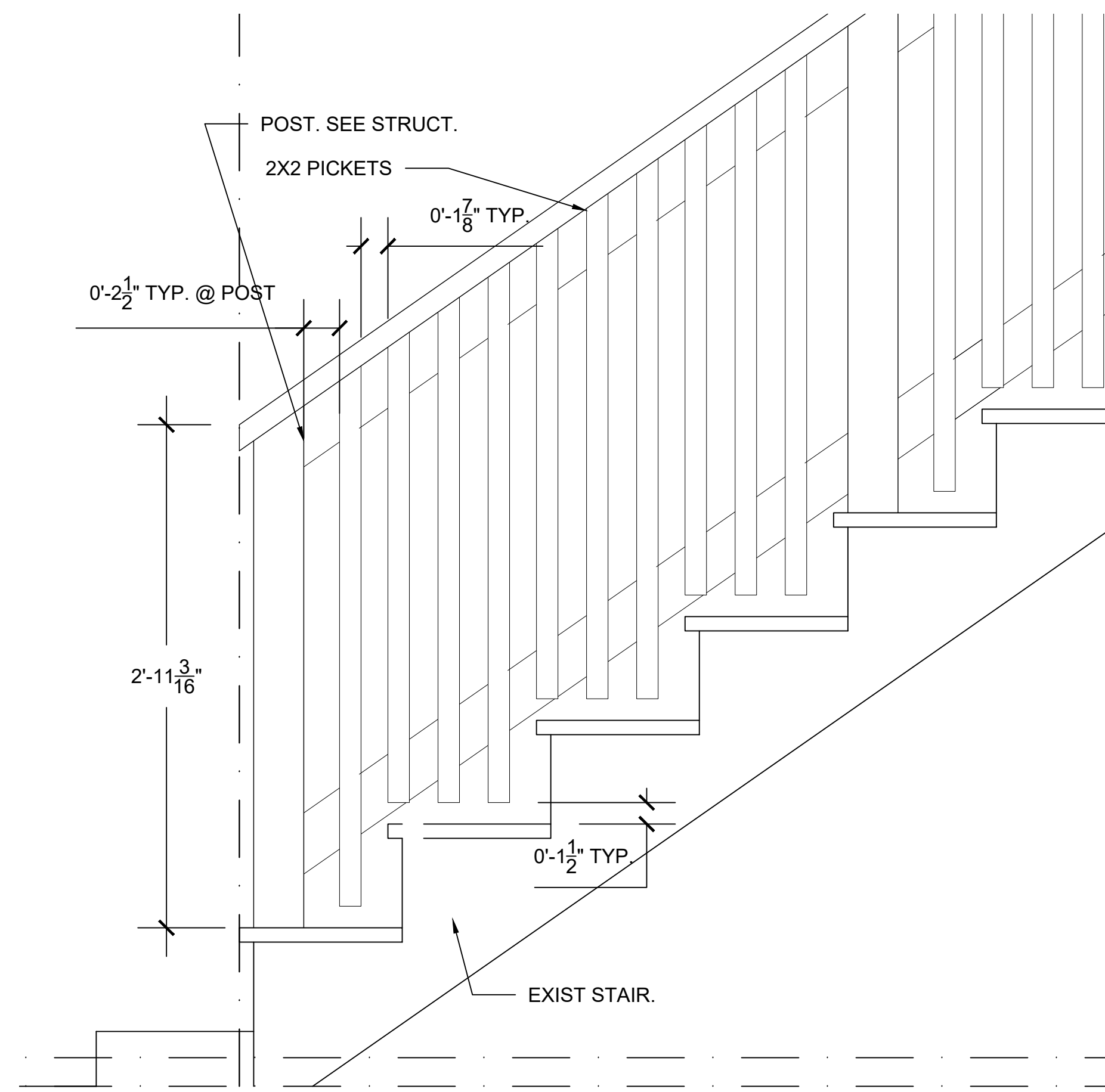
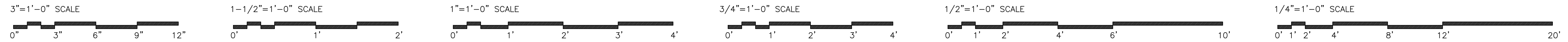
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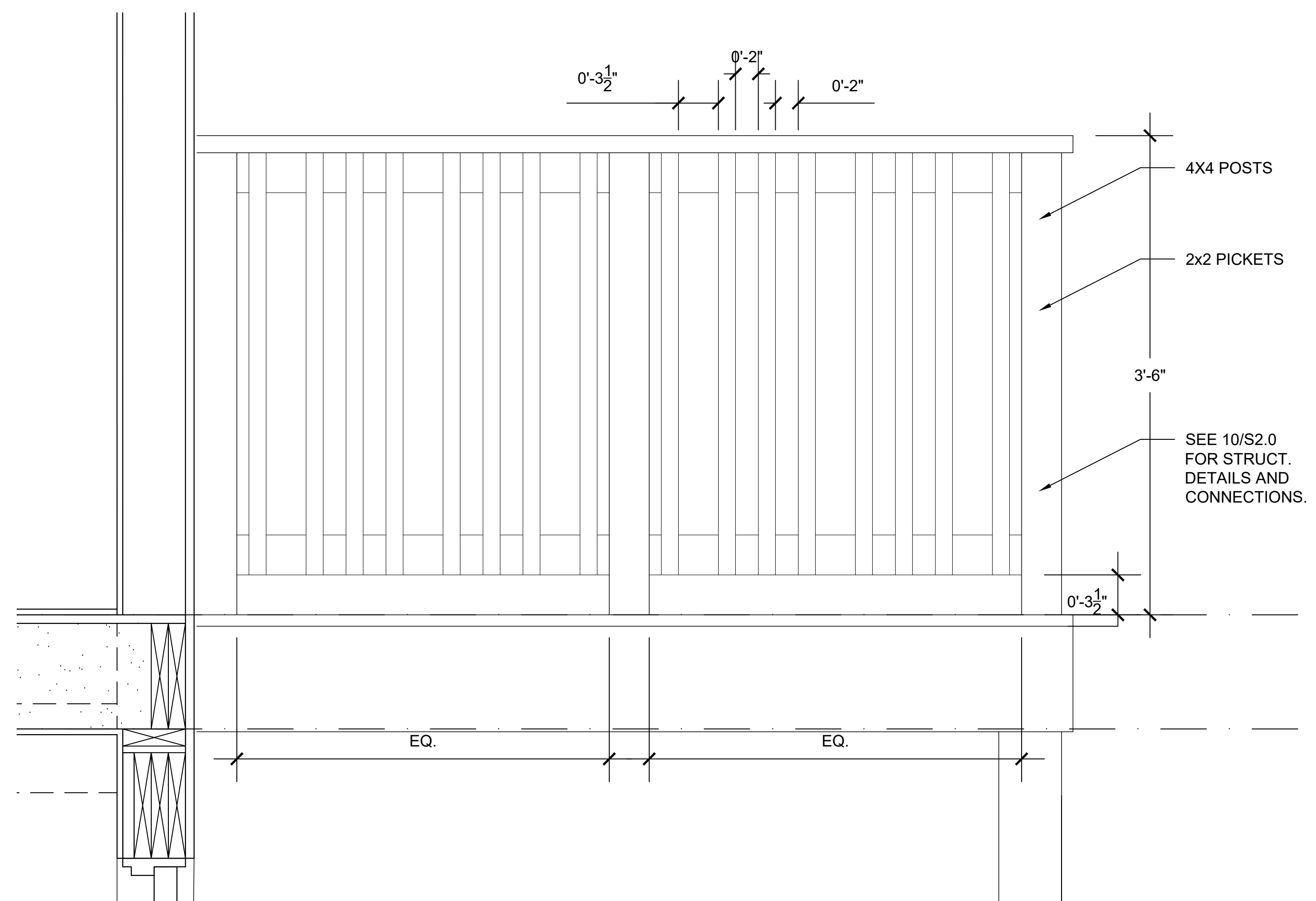
Project Name and Address

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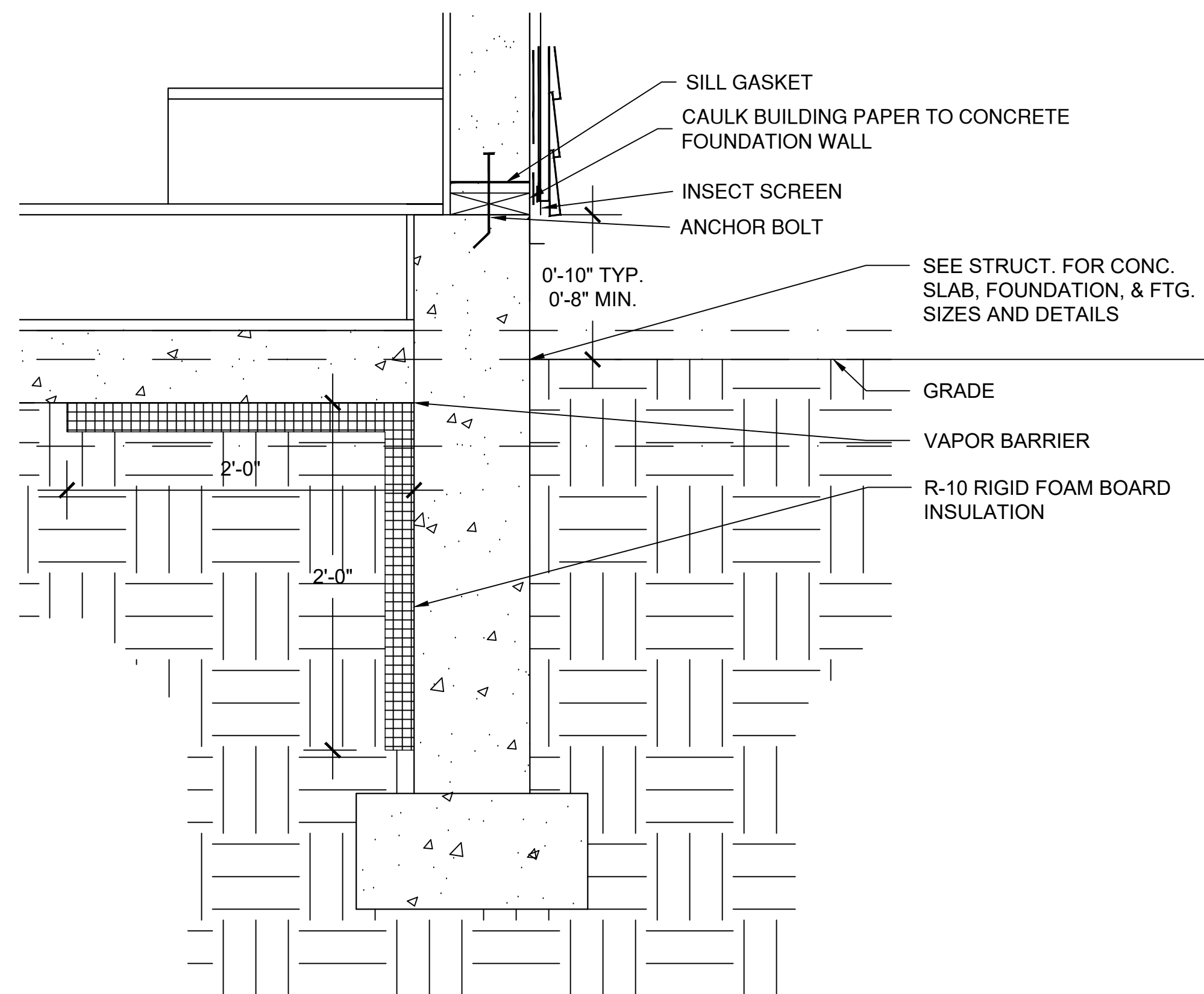
Project 2019.001	Sheet A5-2
Date 10.28.2019	Details
Scale 1-1/2"=1'-0"	



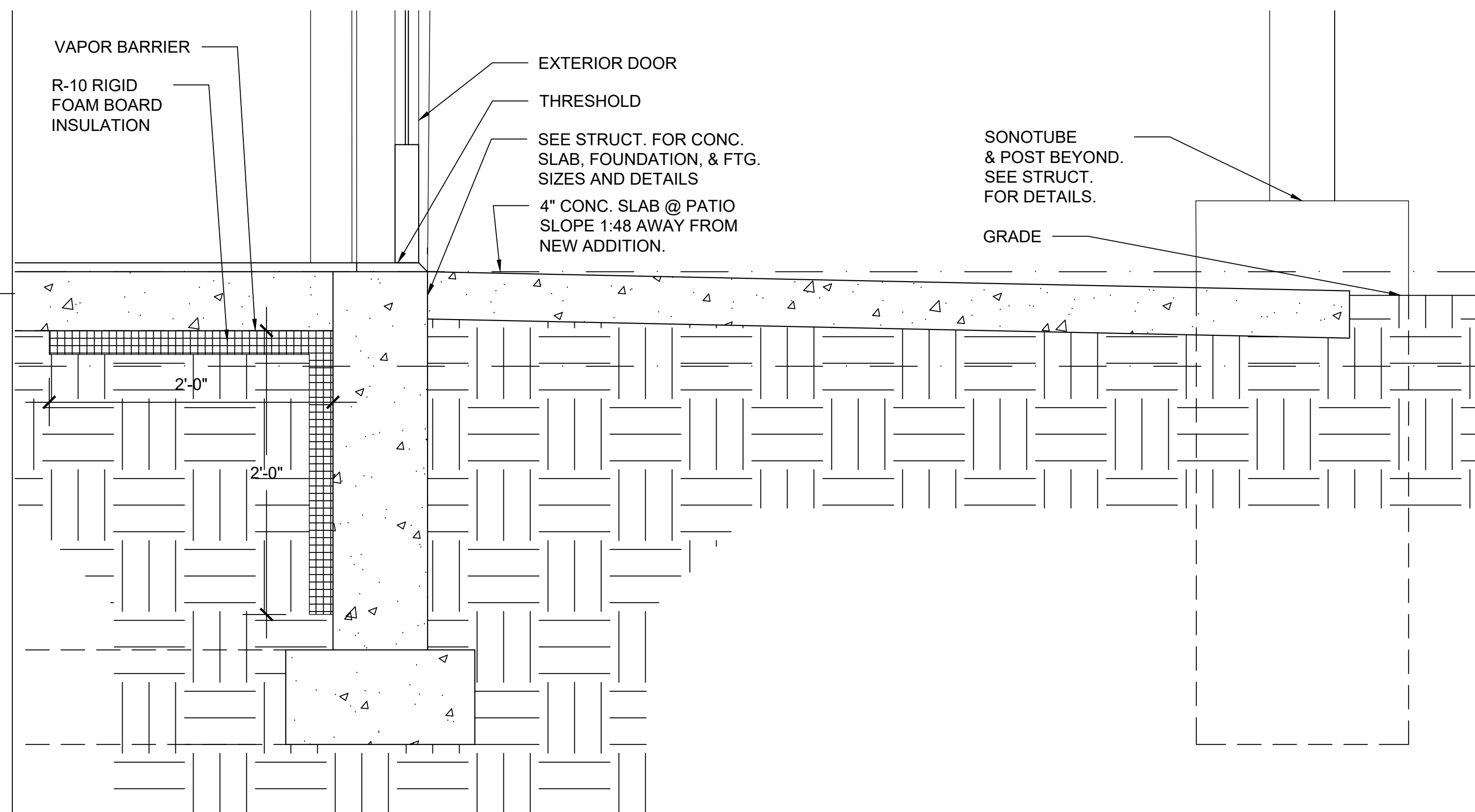
4 STAIR HANDRAIL DETAIL
1-1/2" = 1'-0"



3 RAILING DETAIL @ DECKS
1-1/2" = 1'-0"



2 FOUNDATION DETAIL - TYP
1-1/2" = 1'-0"



1 FOUNDATION DETAIL @ PATIO
1-1/2" = 1'-0"

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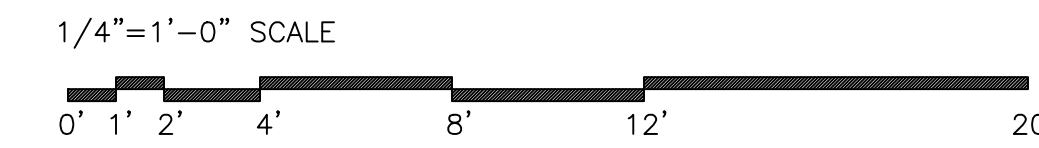
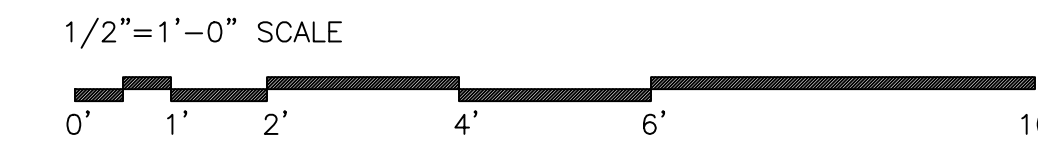
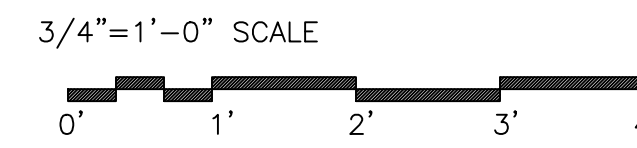
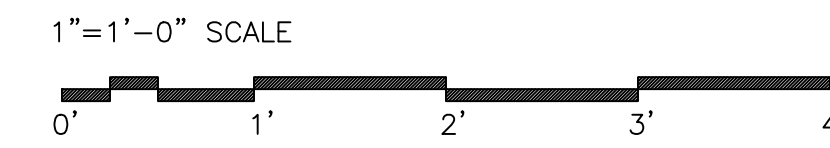
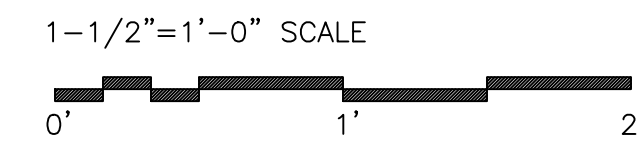
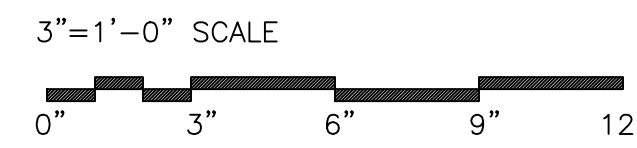
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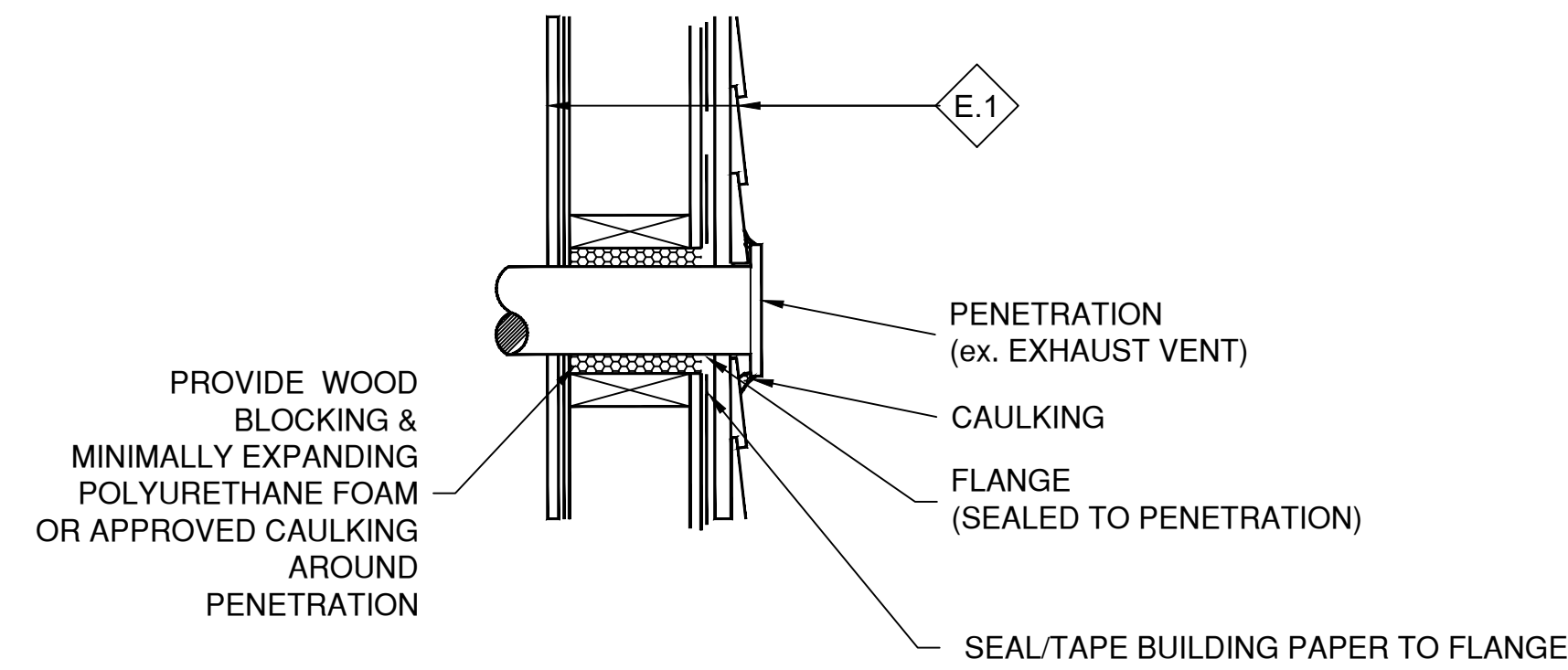
**Chang Residence
Renovation + Addition**
3123 N Kenmore Avenue
Chicago, IL 60657

Project 2019.001	Sheet A5-3
Date 10.28.2019	Details
Scale 1-1/2"=1'-0"	

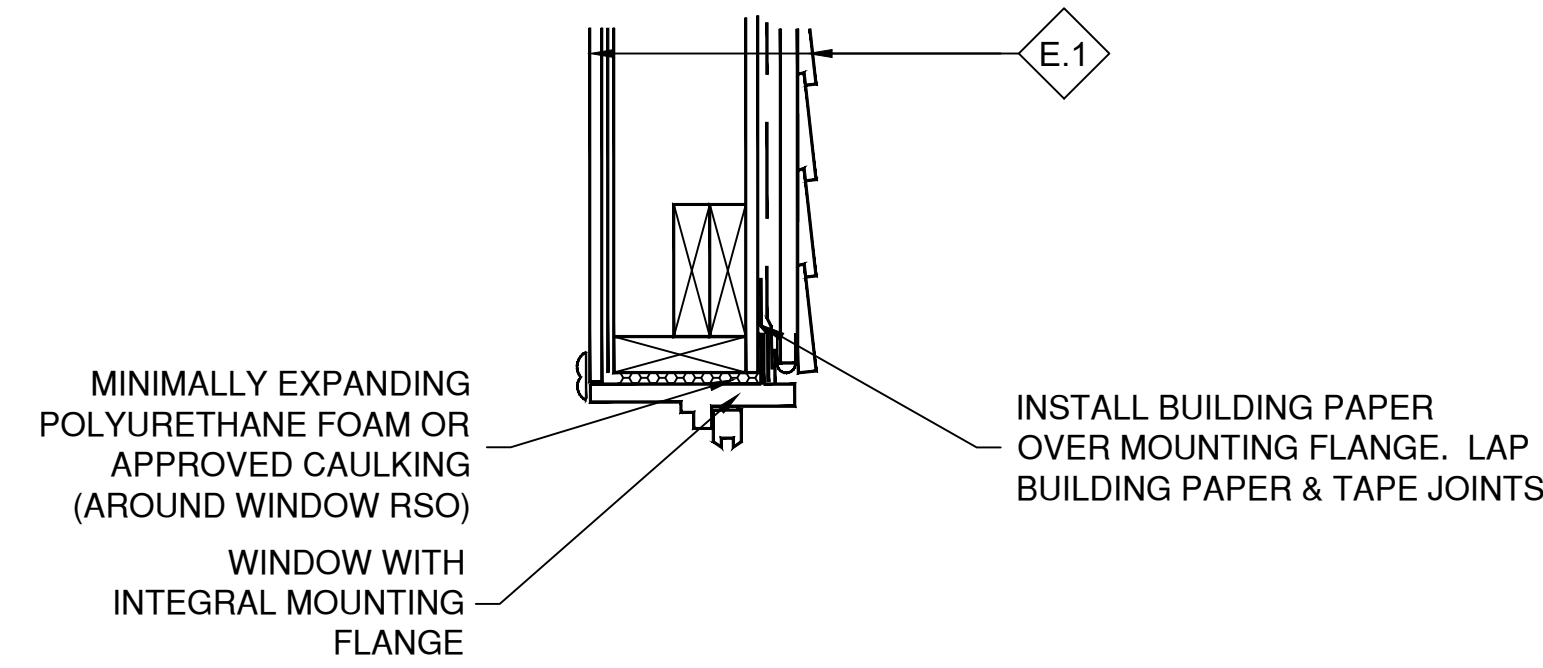


GENERAL NOTES

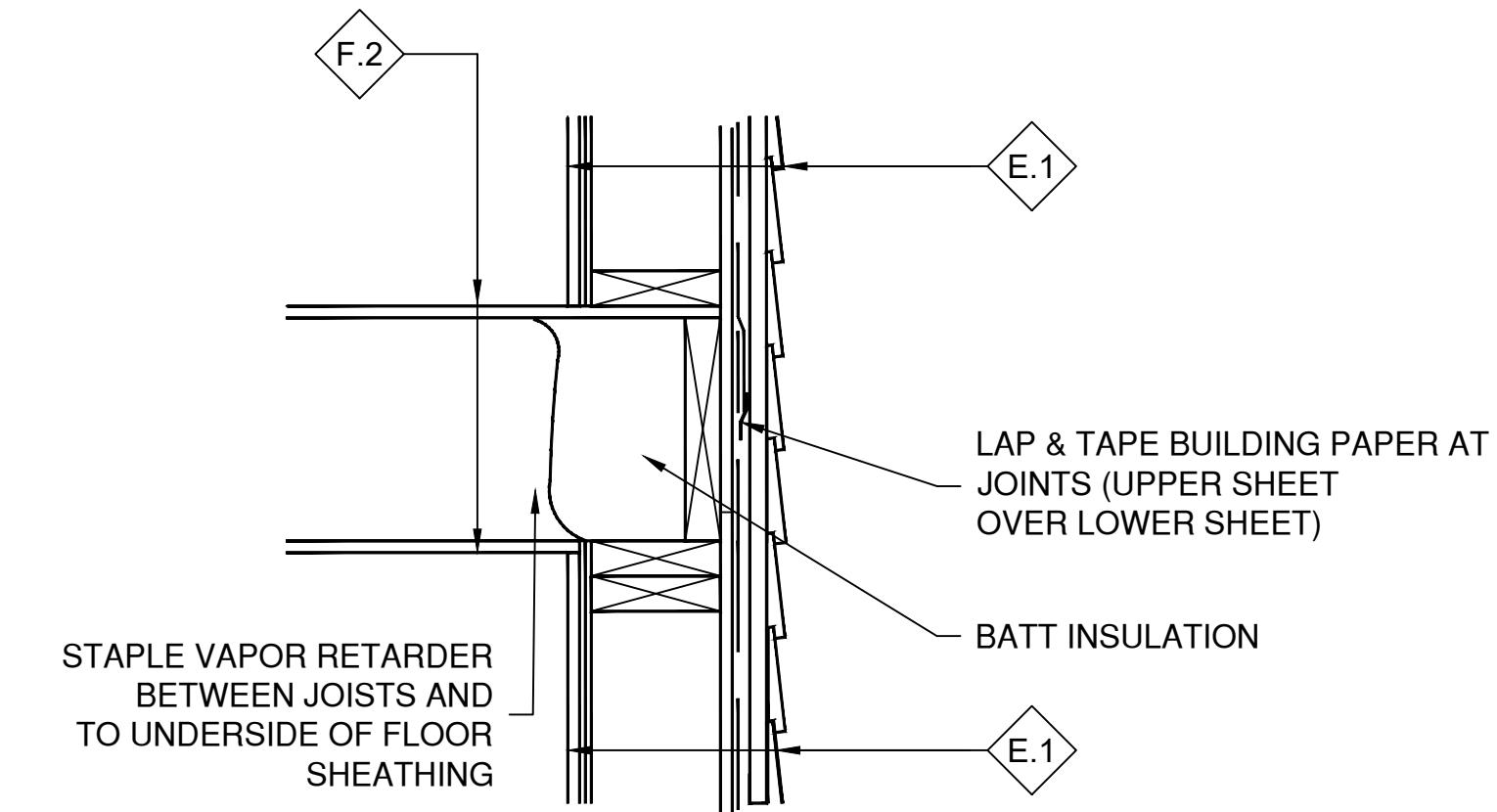
*SEAL ALL BUILDING PAPER JOINTS AND PENETRATIONS WITH MANUFACTURER APPROVED TAPE.
 *FASTEN BUILDING PAPER TO SHEATHING WITH LARGE HEAD NAILS
 OR USE NAILS WITH LARGE PLASTIC WASHER HEADS.



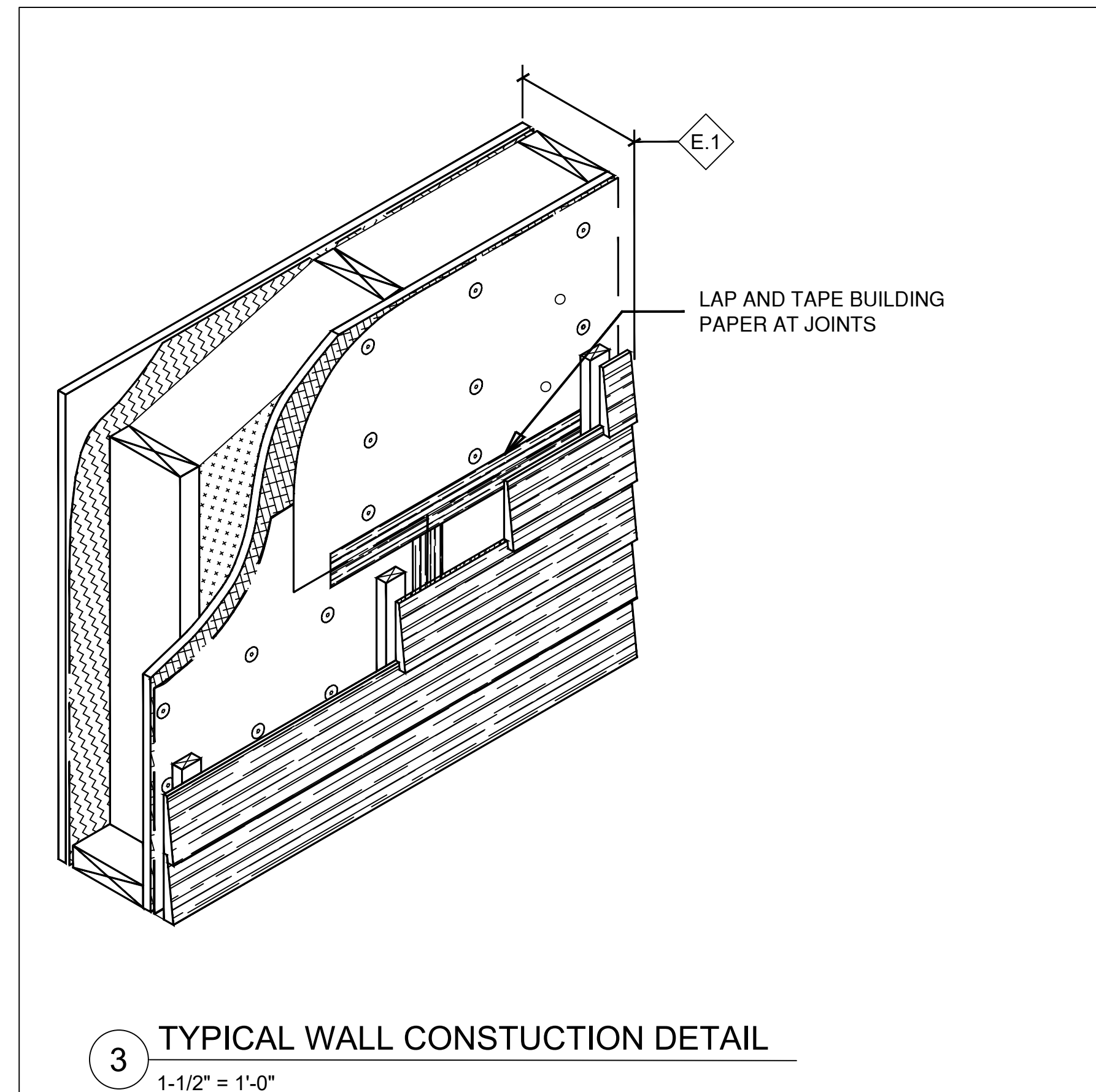
6 TYPICAL WALL PENETRATION DETAIL
 1-1/2" = 1'-0"



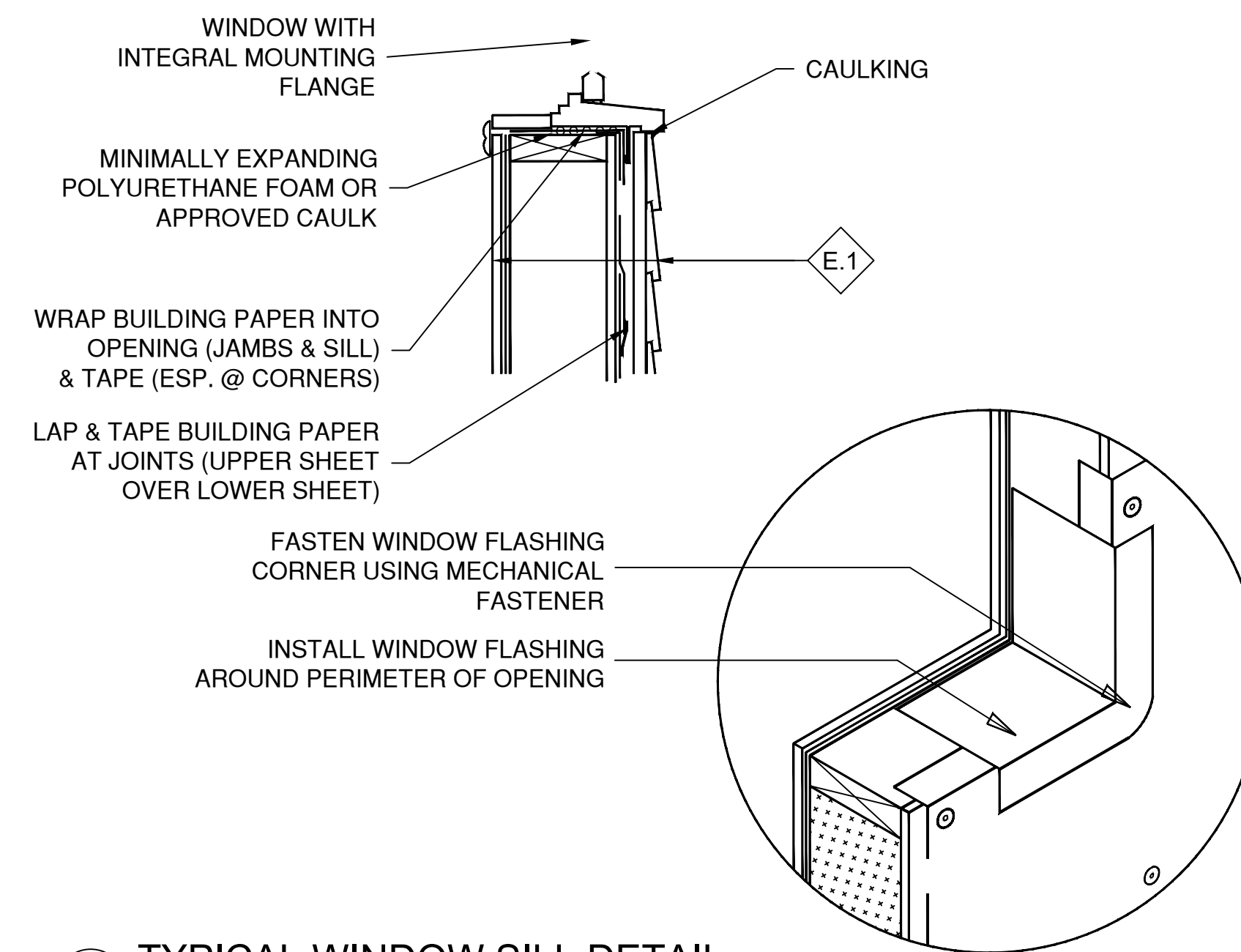
5 TYPICAL WINDOW HEAD DETAIL
 1-1/2" = 1'-0"



4 WALL DETAIL
 1-1/2" = 1'-0"



3 TYPICAL WALL CONSTRUCTION DETAIL
 1-1/2" = 1'-0"



2 TYPICAL WINDOW SILL DETAIL
 1-1/2" = 1'-0"

1 NOT USED
 1-1/2" = 1'-0"

Stamp

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No.	Revision/Issue Date

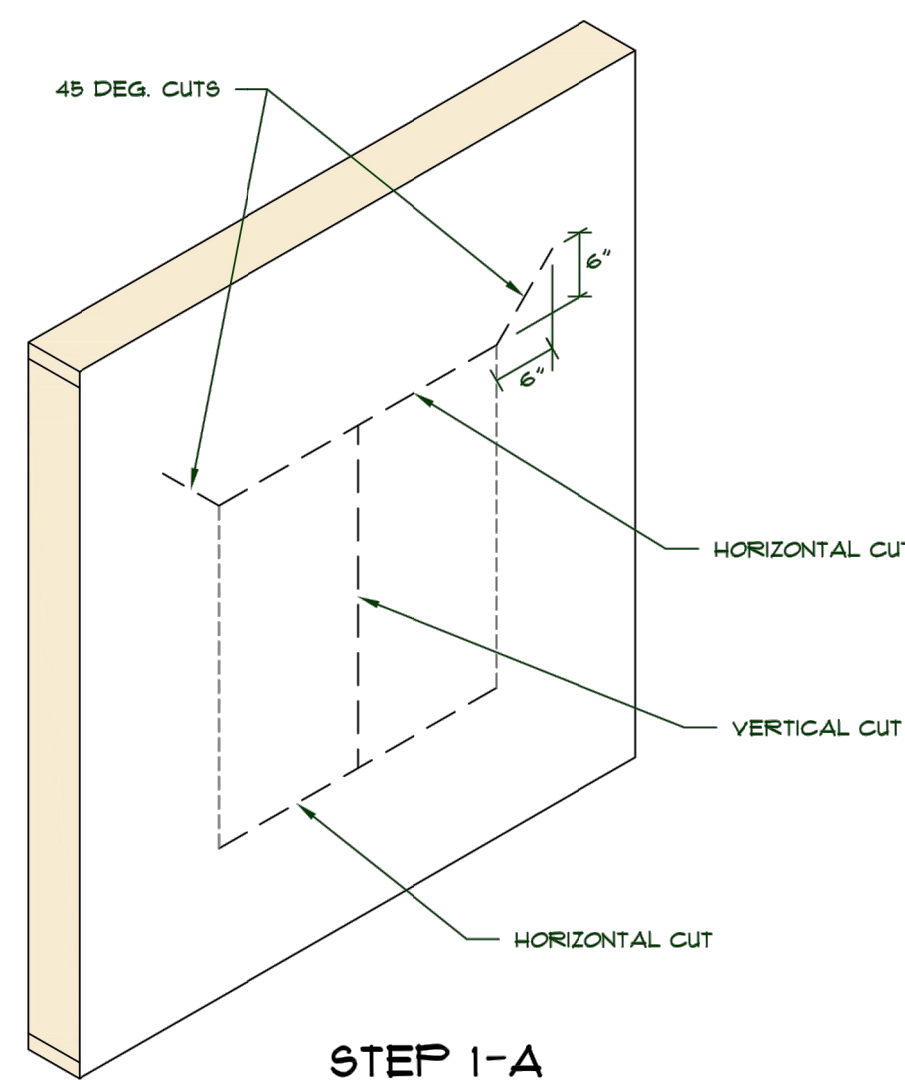
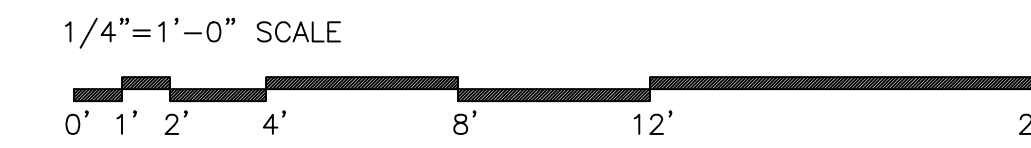
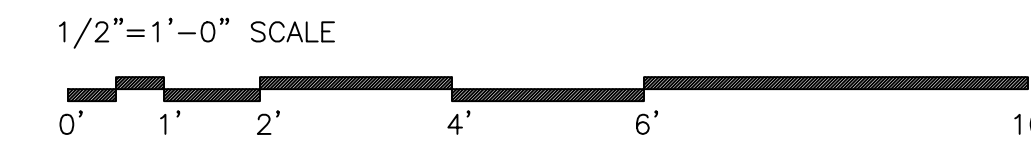
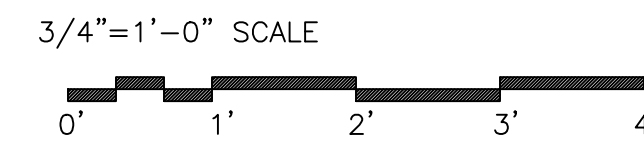
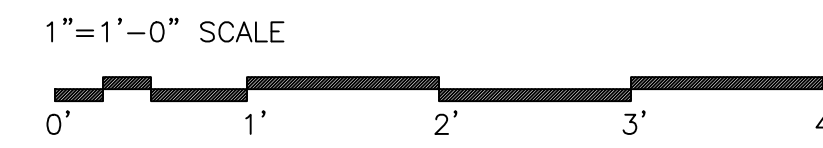
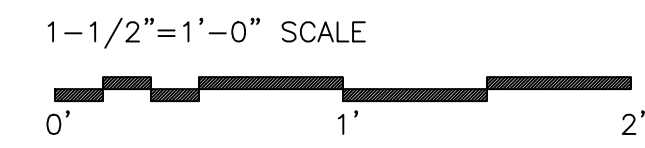
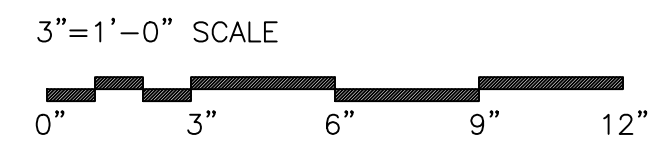
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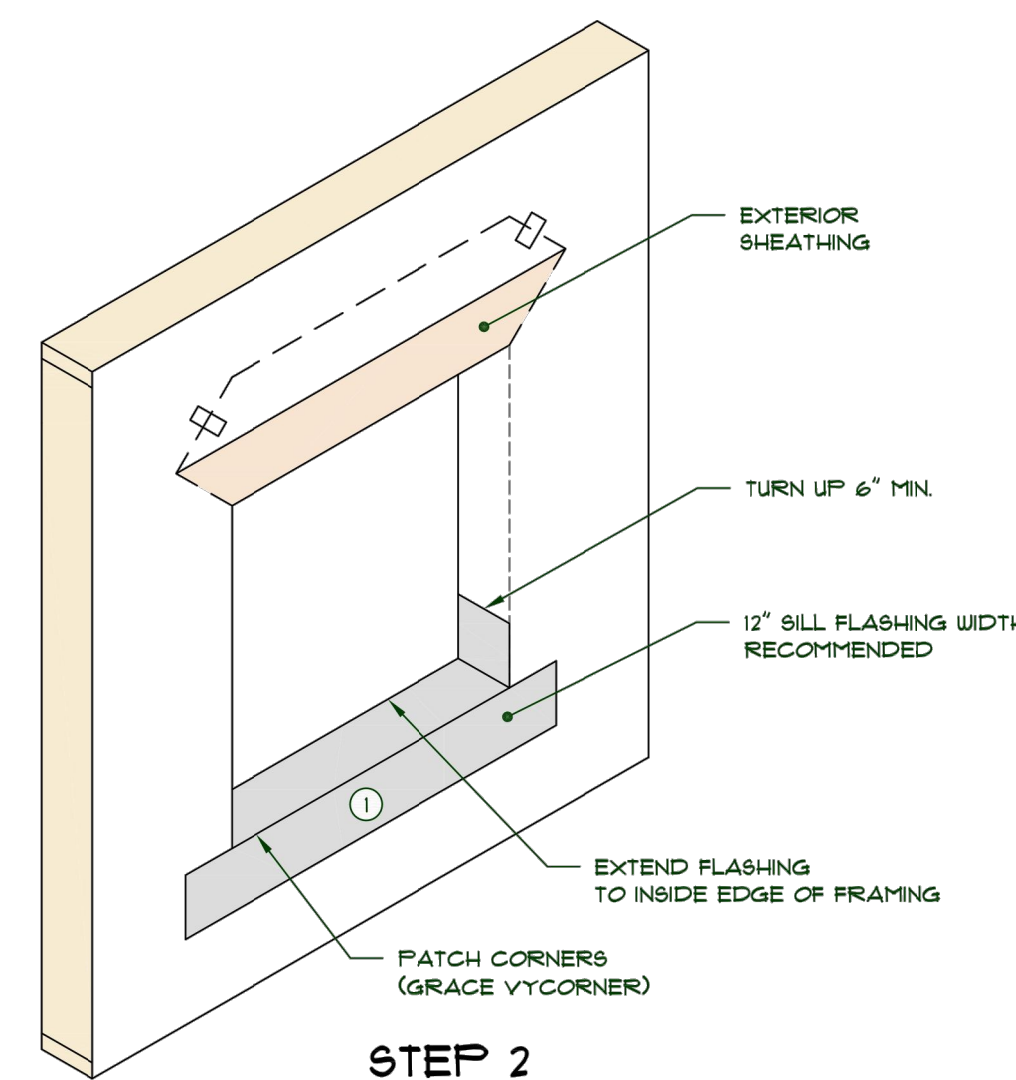
Project Name and Address

**Chang Residence
 Renovation + Addition**
 3123 N Kenmore Avenue
 Chicago, IL 60657

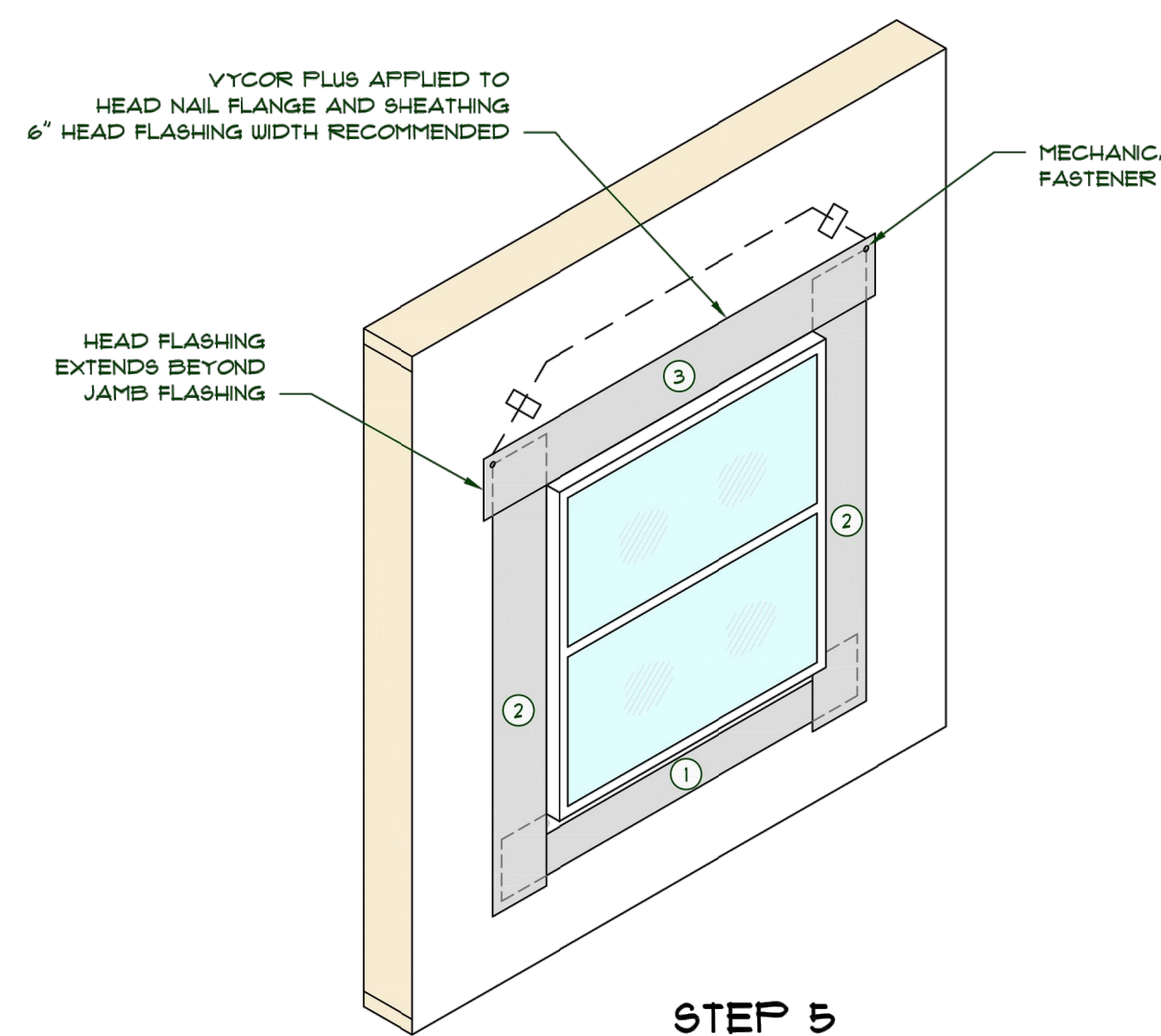
Project 2019.001	Sheet A5-4
Date 10.28.2019	Window + Penetration Details
Scale 1 1/2" = 1'-0"	



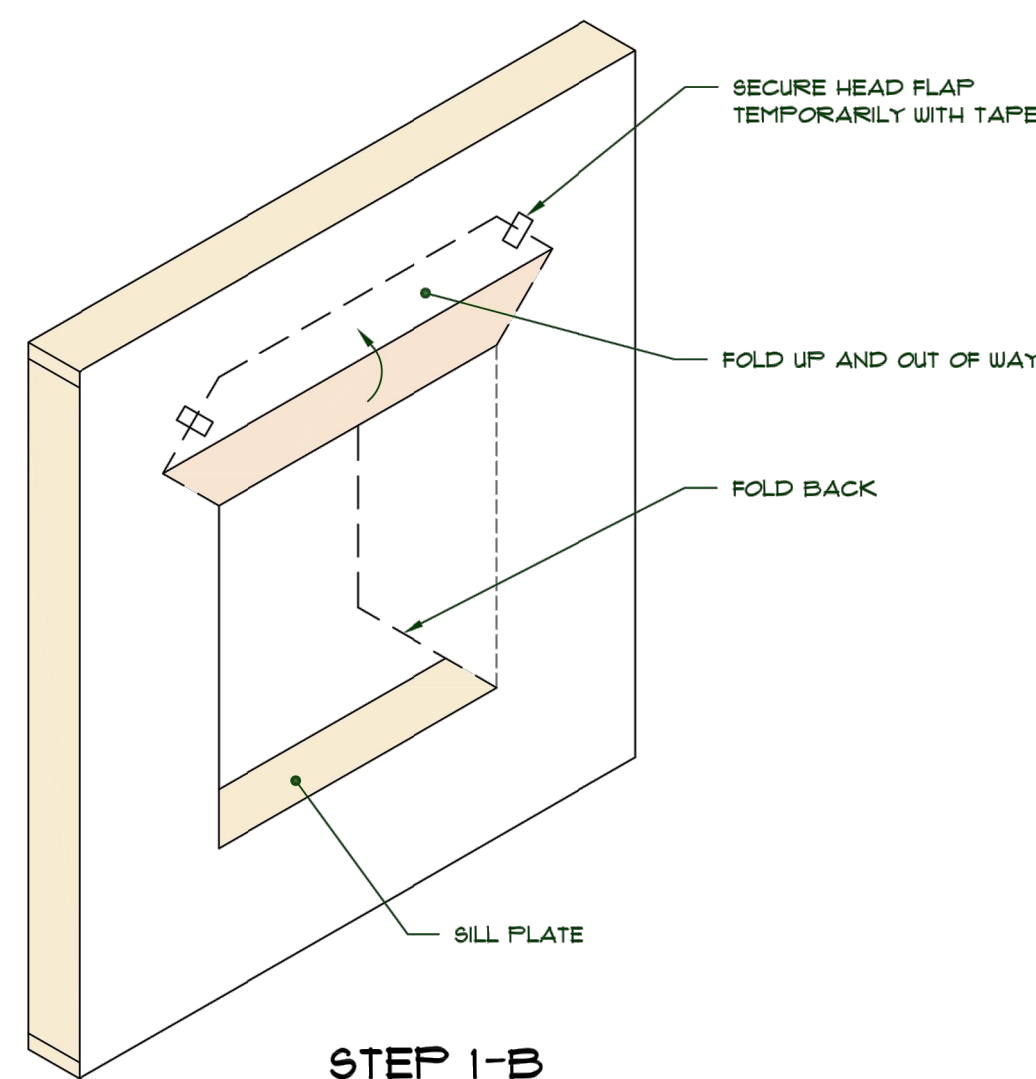
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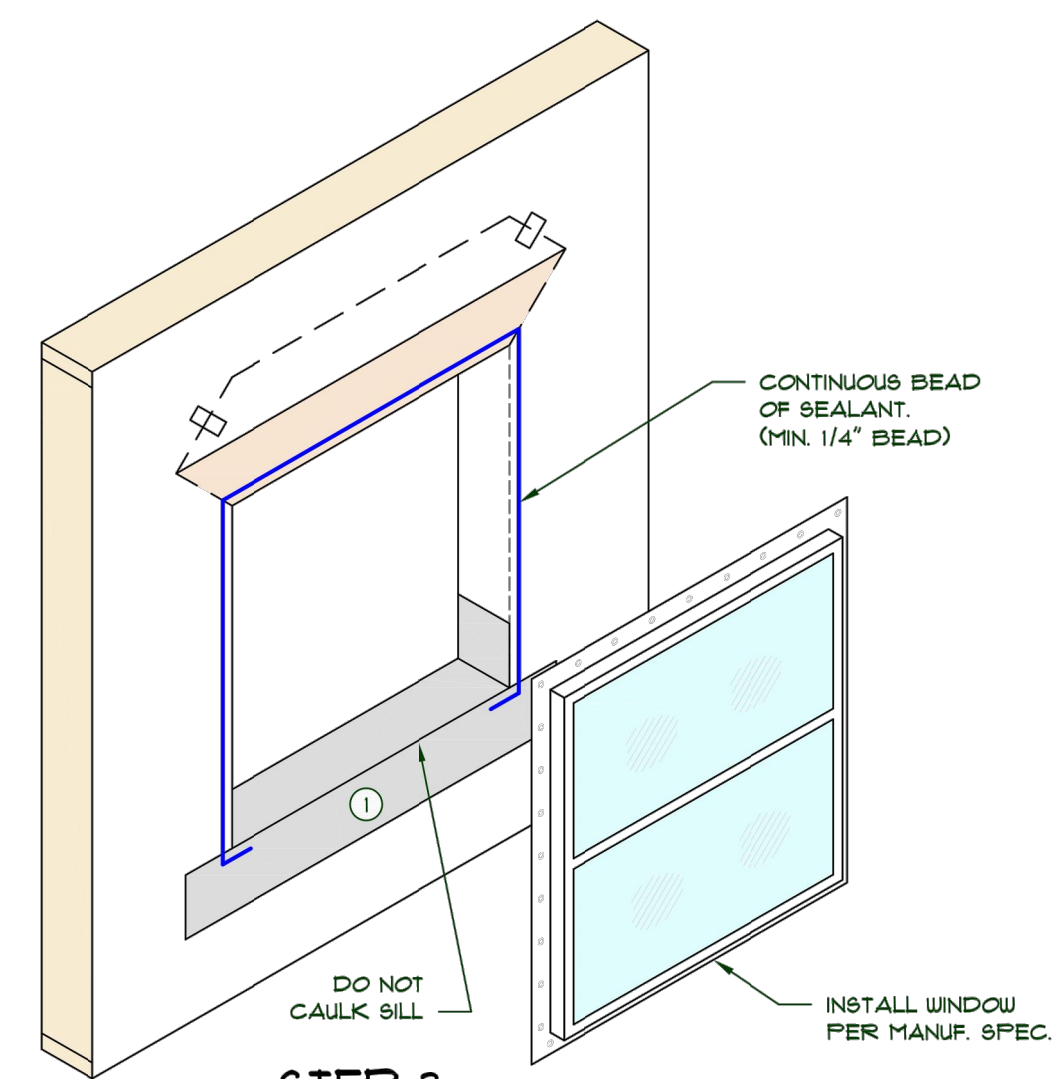
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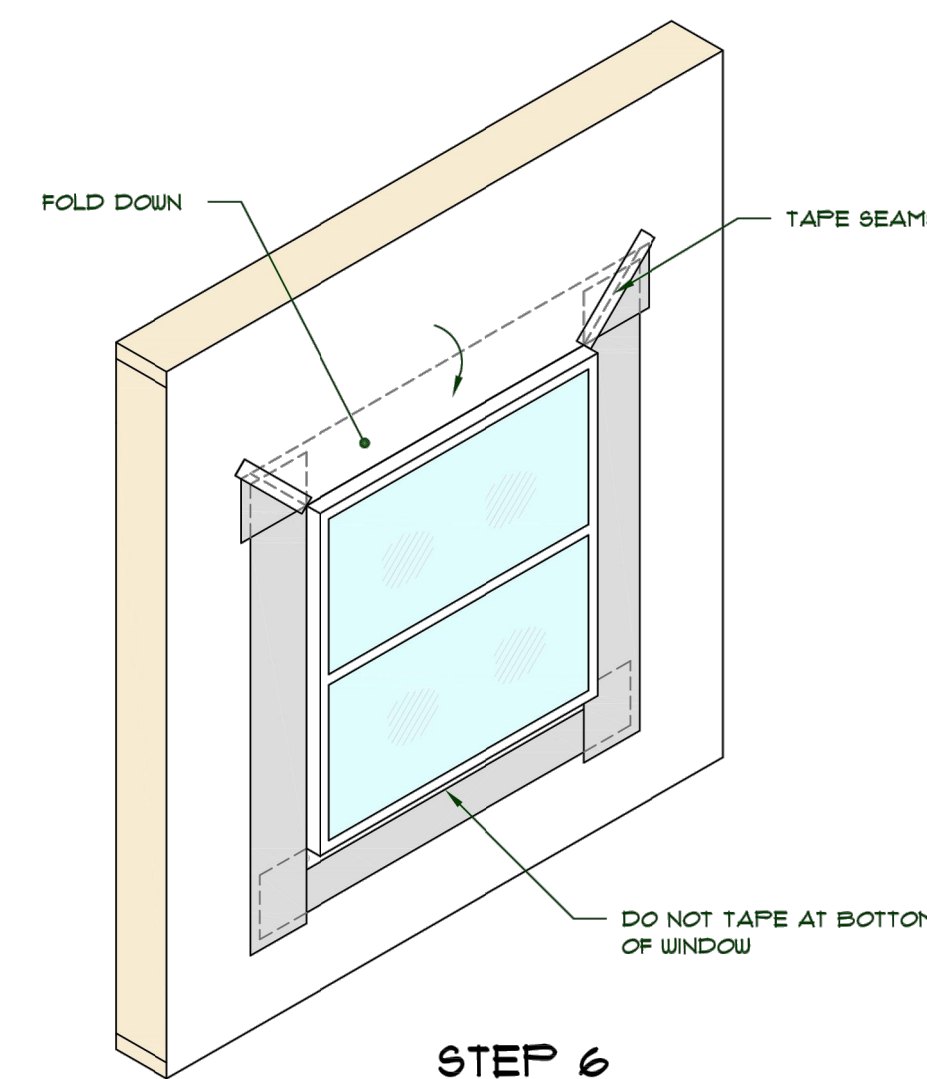
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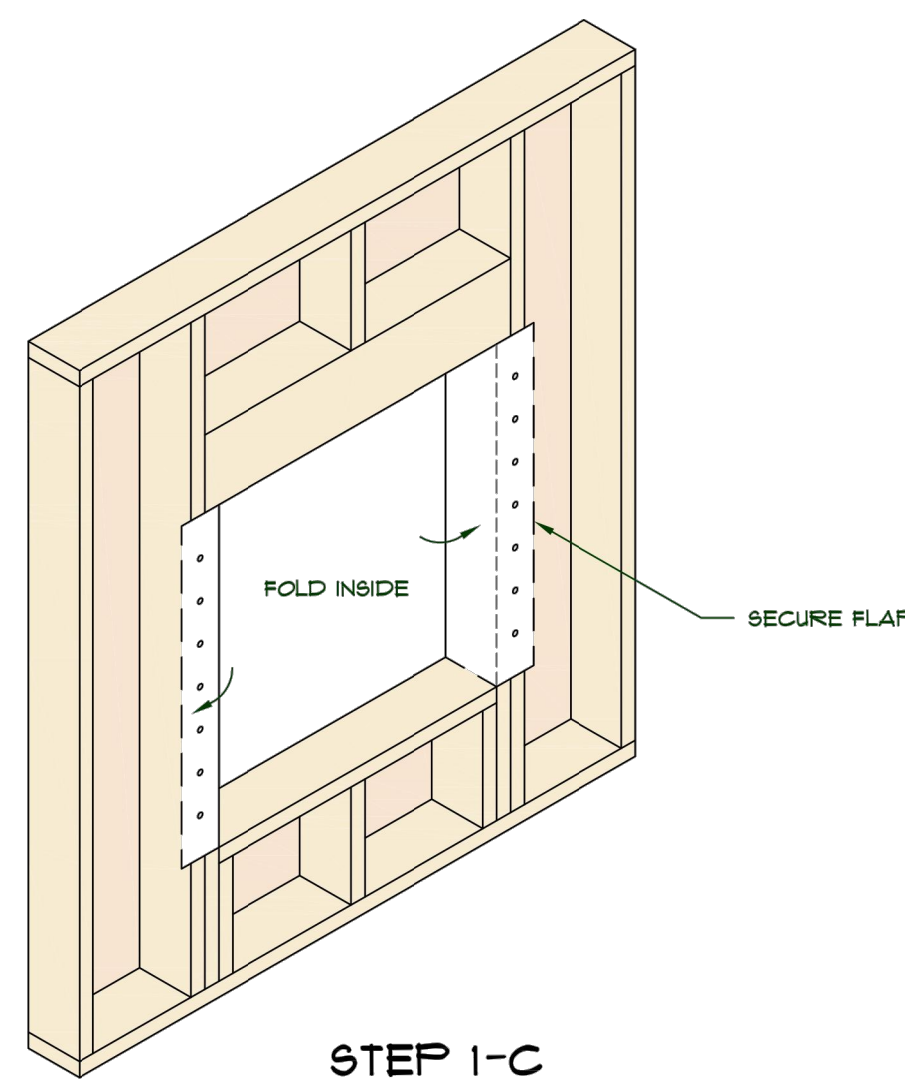
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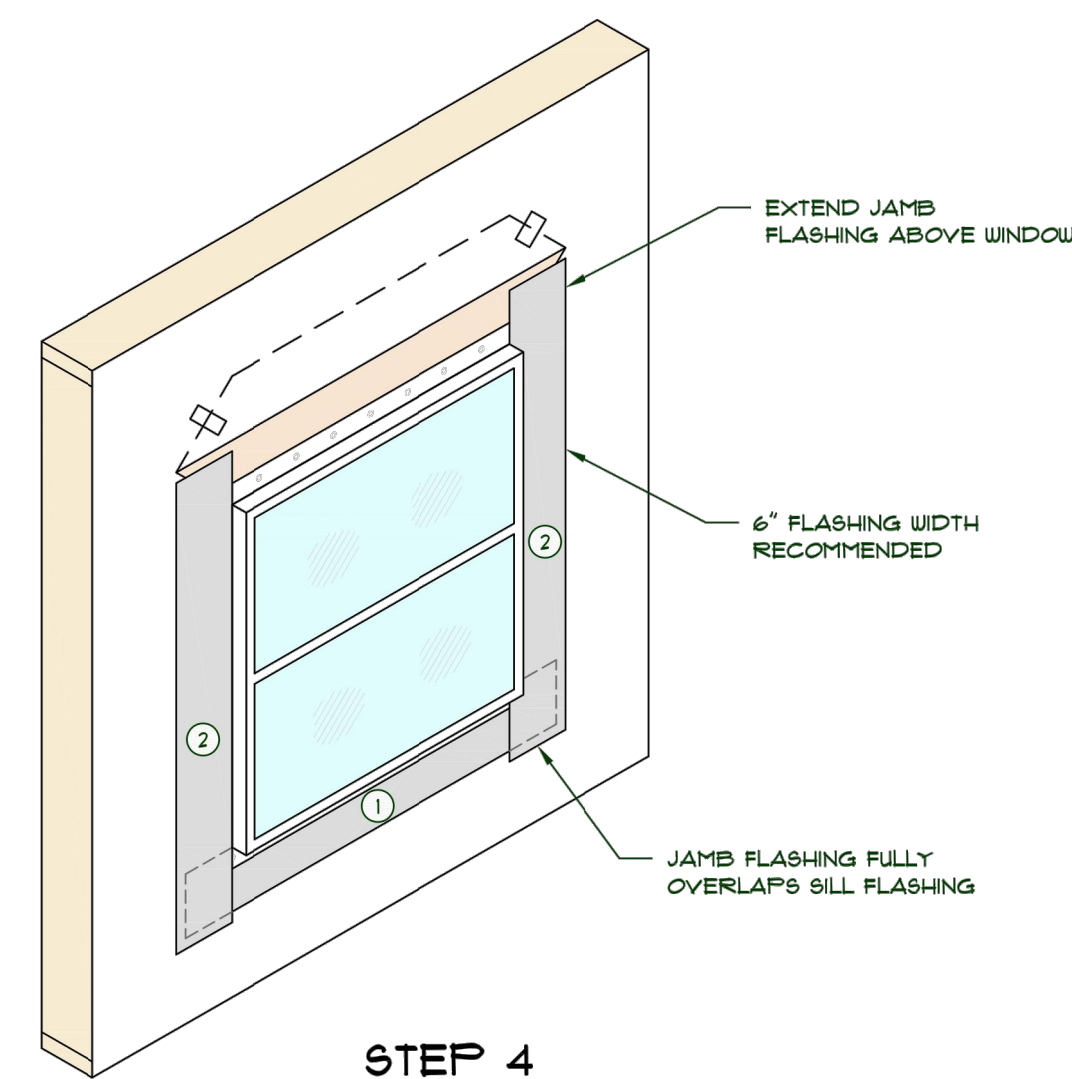
STEP 3



STEP 6



STEP 1-C



STEP 4

STEP 1:

- MAKE AN "I-CUT" (STANDARD I-CUT) IN THE WEATHER-RESISTIVE BARRIER (30# FELT). A MODIFIED I-CUT IS ALSO ACCEPTABLE. BEGIN WITH A HORIZONTAL CUT ACROSS THE TOP AND BOTTOM OF THE WINDOW OPENING. AT THE CENTER OF THE WINDOW OPENING CUT STRAIGHT DOWN FROM THE TOP TO THE WINDOW SILL. WEATHER-RESISTIVE BARRIER SHOULD BE REMOVED FROM TOP OF SILL PLATE.
- CUT TWO 45 DEGREE SLITS APPROX. 6"-8" EXTENDING FROM THE CORNER OF THE WINDOW HEAD, UP AND AWAY FROM THE WINDOW OPENING. THIS WILL CREATE A FLAP ABOVE THE WINDOW OPENING TO ALLOW HEAD FLASHING INSTALLATION. FUP HEAD FLAP UP AND TEMPORARILY SECURE WITH TAPE.
- FOLD SIDE FLAPS INTO WINDOW OPENING AND SECURE TO INSIDE WALL. FLAPS SHOULD EXTEND TO INSIDE EDGE OF WINDOW FRAMING. CUT OFF EXCESS FLAPS AS DESIRED.

STEP 2:

- PRE-CUT GRACE VYCOR PLUS FLASHING FOR SILL, JAMB AND HEAD FLASHINGS. SEE TABLE BELOW FOR FLASHING LENGTH CUT LENGTHS. A 12" WIDE FLASHING IS RECOMMENDED FOR 2x6 EXTERIOR WALLS SO THAT A FULL DRAINAGE PLANE IS PROVIDED IN THE ROUGH OPENING. A 6" WIDE FLASHING IS RECOMMENDED FOR HEAD AND JAMB FLASHINGS.
- APPLY SILL FLASHING TO TOP WINDOW SILL. FLASHING SHOULD EXTEND TO INSIDE EDGE OF SILL FRAMING TO PROVIDE A FULL DRAINAGE PLANE FOR WINDOW OPENING. FLASHING SHOULD EXTEND VERTICALLY UP THE JAMBS A MINIMUM OF 6" ON BOTH SIDES. NOTE: SILL FLASHING SHOULD NOT WRAP ONTO THE INSIDE OF THE WALL.
- MAKE VERTICAL RELIEF CUTS STARTING FROM CORNER OF WINDOW SILL UPWARDS. ROLL SILL FLASHING FIRMLY ONTO EXTERIOR OF WALL. NOTE: SILL FLASHING SHOULD NOT EXTEND PAST OUTSIDE EDGES OF JAMB FLASHING.
- APPLY CORNER PATCH AT BASE OF RELIEF CUTS IN SILL FLASHING.

STEP 3:

- APPLY A CONTINUOUS BEAD OF SEALANT (MIN. 1/4") TO ROUGH OPENING TO ENSURE CONTACT WITH BACKSIDE (INTERIOR) OF WINDOW NAIL FLANGE. ONLY APPLY SEALANT TO THE HEAD AND JAMBS. DO NOT CAULK ALONG SILL (BOTTOM OF WINDOW).
- INSTALL WINDOW PER MANUFACTURER'S RECOMMENDATION AND INSTALLATION PROCEDURE.
- REMOVE ANY EXCESS SEALANT FROM WINDOW'S NAILING FLANGES AND SURROUNDING AREA TO PROVIDE A SMOOTH CONTINUOUS SUBSTRATE FOR JAMB AND HEAD FLASHINGS.

STEP 4:

- INSTALL PRE-CUT JAMB FLASHINGS ON TOP OF NAILING FLANGES AFTER WINDOW HAS BEEN FULLY INSTALLED. ROLL FIRMLY INTO PLACE.
- JAMB FLASHING SHOULD EXTEND BEYOND SILL FLASHING AT BOTTOM OF WINDOW OPENING BOTH VERTICALLY AND HORIZONTALLY. AVOID REVERSE FLASHING AT THIS INTERSECTION.
- JAMB FLASHING SHOULD EXTEND APPROX. 6" ABOVE TOP OF WINDOW.

STEP 5:

- INSTALL PRE-CUT HEAD FLASHING ON TOP OF WINDOW HEAD NAILING FLANGE. ROLL FIRMLY INTO PLACE.
- MECHANICALLY FASTEN HEAD FLASHING AT TOP OUTERMOST CORNERS.
- HEAD FLASHING SHOULD EXTEND BEYOND OUTER EDGES OF JAMB FLASHINGS.

STEP 6:

- REMOVE TEMPORARY SECUREMENT OF WEATHER-RESISTIVE BARRIER (30# FELT) FLAP.
- FOLD FLAP DOWN OVER HEAD FLASHING.
- TAPE ALL SEAMS AND JOINTS WITH WEATHER-RESISTIVE BARRIER SEAM TAPE AS REQUIRED.

STEP 7:

- INSTALL TRIM BOARDS AROUND WINDOW PERIMETER.
- CAULK ALL GAPS BETWEEN WINDOW AND TRIM BOARDS.
- INSTALL METAL HEAD FLASHING (2" METAL) ABOVE HEAD TRIM BOARD. SET METAL FLASHING INTO A CONTINUOUS BEAD OF SEALANT.
- INSTALL LAP SIDING, CAULKING ALL GAPS.
- INTERIOR SEAL: APPLY INSULATING FOAM SEALANT (AND BACKER ROD AS NECESSARY).
- DO NOT CAULK BOTTOM OF FIRST RUN OF SIDING.

LOCATION	FLASHING LENGTH FORMULA
SILL FLASHING	R.O WIDTH + (2 X FLASHING WIDTH)
JAMB FLASHING	R.O WIDTH + (2 X FLASHING WIDTH) - 1
HEAD FLASHING	R.O WIDTH + (2 X FLASHING WIDTH) + 2

Stamp



Date Signed: 10.28.2019

State of Illinois Professional Firm License No. 184007840-0001

Permit Set	10.28.19
No.	Revision/Issue
	Date

Firm Name and Address

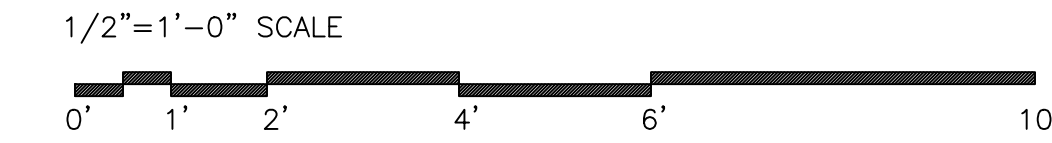
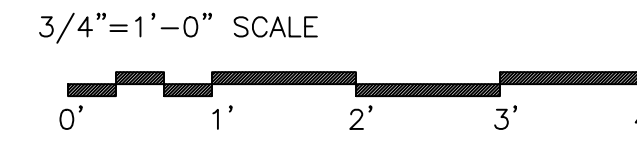
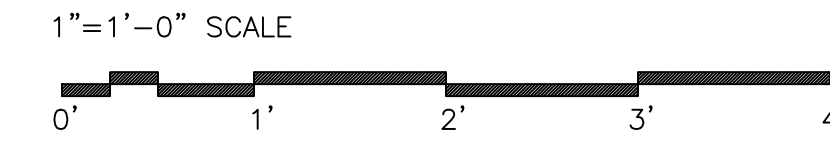
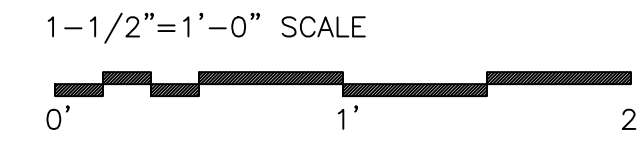
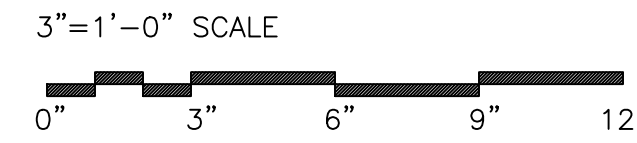
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Project Name and Address

**Chang Residence
Renovation + Addition**
3123 N Kenmore Avenue
Chicago, IL 60657

Project 2019.001	Sheet A5-5
Date 10.28.2019	Window Flashing Details
Scale NTS	

1 WINDOW FLASHING DETAILS
N.T.S.



DOOR SCHEDULE									DENOTED BY: (XX-#)
DOOR TAG	NOT IN SCOPE / EXISTING TO REMAIN / NEW / REPLACE	EXTERIOR / INTERIOR	OPERATION	DOOR MATERIAL	FRAME MATERIAL	HEIGHT	WIDTH	FIRE RATING	COMMENTS
EX-01	NOT IN SCOPE	EXTERIOR	SWING	WOOD	WOOD	6'-8"	2'-8"		
EX-02	NOT IN SCOPE	EXTERIOR	SWING	WOOD	WOOD	6'-8"	2'-8"		
EX-03	NOT IN SCOPE	EXTERIOR	SWING	WOOD	WOOD	6'-8"	2'-8"		
EX-04	NOT IN SCOPE	INTERIOR	SWING	WOOD	WOOD	6'-8"	2'-8"		
EX-05	NOT IN SCOPE	INTERIOR	DOUBLE BIFOLD	WOOD	WOOD	6'-8"	5'-0"		
EX-06	NOT IN SCOPE	INTERIOR	SWING	WOOD	WOOD	6'-8"	2'-3"		
EX-07	NOT IN SCOPE	INTERIOR	SWING	WOOD	WOOD	6'-8"	2'-8"		
EX-08	NOT IN SCOPE	INTERIOR	DOUBLE BIFOLD	WOOD	WOOD	6'-8"	4'-0"		
EX-09	NOT IN SCOPE	INTERIOR	SWING	WOOD	WOOD	6'-8"	2'-4"		
EX-10	EXISTING TO REMAIN	INTERIOR	DOUBLE BIFOLD	WOOD	WOOD	6'-8"	4'-0"		
XT-01	NEW	EXTERIOR	DOUBLE SWING	VINYL	WOOD	6'-8"	(2) 2'-8"		TEMPERED GLASS
XT-02	REPLACE	EXTERIOR	SWING	WOOD	WOOD	6'-8" VIF	2'-8" VIF		GC TO VERIFY AND MATCH EXISTING DOOR OPENING DIMS
XT-03	NEW	EXTERIOR	SWING	VINYL	WOOD	6'-8"	2'-8"		TEMPERED GLASS
XT-04	NEW	EXTERIOR	SLIDING	VINYL	WOOD	6'-8"	(2) 3'-8"		TEMPERED GLASS
NT-01	REPLACE	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8" VIF	2'-8" VIF	SEE COMMENT	GC TO VERIFY AND MATCH EXISTING DOOR OPENING DIMS. 1-3/4" SOLID WOOD DOOR WITH 1-3/4" SOLID RABBETTED DOOR JAMBS
NT-02	NEW	INTERIOR	SWING	HOLLOW CORE WOOD	WOOD	5'-0"	2'-6"		
NT-03	NEW	INTERIOR	SWING	HOLLOW CORE WOOD	WOOD	5'-0"	2'-0"		
NT-04	NEW	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8"	2'-8"		
NT-05	NEW	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8"	2'-8"		
NT-06	REPLACE	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8" VIF	2'-2" VIF		GC TO VERIFY AND MATCH EXISTING DOOR OPENING DIMS
NT-07	NEW	INTERIOR	SWING	HOLLOW CORE WOOD	WOOD	3'-6"	2'-0"		GWB FINISH DOOR W/ CONCEALED HINGES AND CONCEALED MAGNETIC LATCH
NT-08	NEW	INTERIOR	POCKET	SOLID CORE WOOD	WOOD	6'-8"	2'-8"		
NT-09	NEW	INTERIOR	SLIDING	HOLLOW CORE WOOD	WOOD	6'-8"	5'-0"		
NT-10	NEW	INTERIOR	SLIDING	HOLLOW CORE WOOD	WOOD	6'-8"	5'-0"		
NT-11	NEW	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8"	3'-0"	SEE COMMENT	1-3/4" SOLID WOOD DOOR WITH 1-3/4" SOLID RABBETTED DOOR JAMBS PER CBC 13-160-050 SUBSECTION (a)
NT-12	NEW	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8"	3'-0"	SEE COMMENT	1-3/4" SOLID WOOD DOOR WITH 1-3/4" SOLID RABBETTED DOOR JAMBS PER CBC 13-160-050 SUBSECTION (a)
NT-13	REPLACE	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8" VIF	2'-4" VIF		GC TO VERIFY AND MATCH EXISTING DOOR OPENING DIMS
NT-14	NEW	INTERIOR	SWING	HOLLOW CORE WOOD	WOOD	6'-8"	2'-0"		
NT-15	NEW	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8"	2'-8"	SEE COMMENT	1-3/4" SOLID WOOD DOOR WITH 1-3/4" SOLID RABBETTED DOOR JAMBS PER CBC 13-160-050 SUBSECTION (a)
NT-16	NEW	INTERIOR	SWING	SOLID CORE WOOD	WOOD	6'-8"	2'-8"	SEE COMMENT	1-3/4" SOLID WOOD DOOR WITH 1-3/4" SOLID RABBETTED DOOR JAMBS PER CBC 13-160-050 SUBSECTION (a)

WINDOW SCHEDULE									DENOTED BY: (#)
WINDOW TAG	NOT IN SCOPE / EXISTING TO REMAIN / NEW / REPLACE	OPERATION	FRAME MATERIAL	HEIGHT	WIDTH	SILL HEIGHT	HEAD HEIGHT	COMMENTS	
1	NOT IN SCOPE	DOUBLE HUNG	VINYL	4'-8"	2'-6"	3'-3 1/2"	7'-11 1/2"		
2	NOT IN SCOPE	DOUBLE HUNG	VINYL	4'-8"	2'-6"	3'-3 1/2"	7'-11 1/2"		
3	NOT IN SCOPE	DOUBLE HUNG	VINYL	4'-8"	2'-6"	3'-3 1/2"	7'-11 1/2"		
4	NOT IN SCOPE	DOUBLE HUNG	VINYL	4'-8"	2'-6"	3'-3 1/2"	7'-11 1/2"		
5	NOT IN SCOPE	DOUBLE HUNG	VINYL	4'-8"	2'-6"	3'-3 1/2"	7'-11 1/2"		
6	REPLACE	DOUBLE HUNG	VINYL	4'-8" VIF	2'-9 3/4"	3'-3 1/2" VIF	4'-8 1/2"		
7	NEW	CASEMENT	VINYL	2'-6"	2'-6"	5'-6"	7'-11 1/2" VIF	GC TO VERIFY, MATCH EXIST WINDOW DIMS	
8	NEW	CASEMENT	VINYL	4'-6"	2'-6"	3'-6"	7'-0"	TEMPERED GLASS (AT STAIR)	
9	NOT IN SCOPE	GLASS BLOCK	VINYL	2'-0"	1'-8"	6'-0 1/2"	8'-0 1/2"		
10	NOT IN SCOPE	DOUBLE HUNG	VINYL	4'-8"	2'-6"	3'-3 1/2"	7'-11 1/2"		
11	NOT IN SCOPE	DOUBLE HUNG	VINYL	4'-8"	2'-6"	3'-3 1/2"	7'-11 1/2"		
12	NEW	DOUBLE HUNG	VINYL	6'-0"	2'-6"	1'-10 1/2"	7'-10 1/2"		
13	NEW	DOUBLE HUNG	VINYL	6'-0"	2'-6"	1'-10 1/2"	7'-10 1/2"		
14	NEW	DOUBLE HUNG	VINYL	6'-0"	2'-6"	1'-10 1/2"	7'-10 1/2"		
15	EXISTING TO REMAIN	CASEMENT	VINYL	1'-11 1/4"	1'-4"	5'-4 1/2"	7'-3 3/4"		
16	EXISTING TO REMAIN	DOUBLE HUNG	VINYL	5'-8 1/4"	2'-9 1/4"	2'-1"	7'-9 1/4"		
17	EXISTING TO REMAIN	DOUBLE HUNG	VINYL	5'-8 1/4"	2'-9 1/4"	2'-1"	7'-9 1/4"		
18	NEW	DOUBLE HUNG	VINYL	5'-0"	2'-6"	3'-0 1/2"	8'-0 1/2" VIF	REUSE EXIST. WINDOW HEADER, LOWER SILL	
19	NEW	DOUBLE HUNG	VINYL	2'-6"	2'-6"	1'-8"	7'-8"		
20	NEW	DOUBLE HUNG	VINYL	2'-6"	2'-6"	1'-8"	7'-8"		
21	NEW	DOUBLE HUNG	VINYL	2'-6"	2'-6"	1'-8"	7'-8"		
22	NEW	DOUBLE HUNG	VINYL	2'-6"	2'-6"	1'-8"	7'-8"		
23	NEW	DOUBLE HUNG	VINYL	2'-6"	2'-6"	1'-8"	7'-8"		
24	NEW	CASEMENT	VINYL	3'-0"	3'-0"	3'-5"	6'-5" VIF	REUSE EXIST. WINDOW HEADER, LOWER SILL	
25	EXISTING TO REMAIN	DOUBLE HUNG	VINYL	3'-9"	1'-10"	3'-3"	7'-0"		
26	EXISTING TO REMAIN	AWNING	VINYL	1'-6"	2'-5"	6'-0 1/2"	7'-6 1/2"		
27	EXISTING TO REMAIN	DOUBLE HUNG	VINYL	5'-11 1/2"	2'-4 3/4"	2'-4 1/2"	7'-6"		
28	REPLACE	DOUBLE HUNG	VINYL	3'-9 1/2" VIF	2'-0" VIF	11 3/4" VIF	4'-8 3/4" VIF	GC TO VERIFY, MATCH EXIST WINDOW DIMS	
29	REPLACE	DOUBLE HUNG	VINYL	3'-9 1/2" VIF	2'-0" VIF	11 3/4" VIF	4'-8 3/4" VIF	GC TO VERIFY, MATCH EXIST WINDOW DIMS	
30	NEW	CASEMENT	VINYL	3'-0"	3'-0"	3'-3"	6'-3"	SEE "NOTE 1" BELOW	
31	NEW	CASEMENT	VINYL	3'-0"	3'-0"	3'-3"	6'-3"	SEE "NOTE 1" BELOW	
32	NEW	CASEMENT	VINYL	3'-0"	3'-0"	3'-3"	6'-3"	SEE "NOTE 1" BELOW	
33	NEW	CASEMENT	VINYL	3'-0"	3'-0"	3'-3"	6'-3"	SEE "NOTE 1" BELOW	
34	NEW	CASEMENT	VINYL	3'-0"	3'-0"	3'-3"	6'-3"	SEE "NOTE 1" BELOW	
35	NEW	CASEMENT	VINYL	3'-0"	3'-0"	3'-3"	6'-3"	SEE "NOTE 1" BELOW	
36	REPLACE	SLIDER	VINYL	1'-6" VIF	1'-10" VIF	5'-1" VIF	6'-7" VIF	GC TO VERIFY, MATCH EXIST WINDOW DIMS	
37	NEW	DOUBLE HUNG	VINYL	4'-6"	2'-6"	1'-9"	6'-3"		
38	NEW	SKYLIGHT	ALUMINUM	4'-0"	2'-0"	N/A	N/A	TEMPERED GLASS	
39	NEW	SKYLIGHT	ALUMINUM	4'-0"	2'-0"	N/A	N/A	TEMPERED GLASS	
40	NEW	SKYLIGHT	ALUMINUM	2'-0"	2'-0"	N/A	N/A	TEMPERED GLASS	
41	NEW	SKYLIGHT	ALUMINUM	2'-0"	2'-0"	N/A	N/A	TEMPERED GLASS	

ALL WINDOWS LISTED AS "NEW" OR "REPLACED" TO MEET THE FOLLOWING SPECIFICATIONS:

VINYL FRAME WINDOWS (COLOR: WHITE)
 PANE #1: Double Coated LoE270 Clear Glass
 AIR GAP: Min 95% Argon fill
 PANE #2: Clear Glass
 WINDOW (BY "OPERATION") TO MEET THE FOLLOWING SPECIFICATIONS AS TESTED PER NFRC 100-2010, NFRC 200-2010, NFRC 500-2010, ASTM E 283:

DOUBLE HUNG WINDOWS:
 EMISSIVITY: 0.04 CFM/sf MAX
 U-FACTOR: 0.30 MAX
 CONDENSATION RESISTANCE: 53 MIN
 SOLAR HEAT GAIN COEFFICIENT (NO GRID): 0.29 MAX
 VISIBLE TRANSMITTANCE (NO GRID): 0.54 MIN

CASEMENT WINDOWS:
 EMISSIVITY: 0.04 CFM/sf MAX
 U-FACTOR: 0.27 MAX
 CONDENSATION RESISTANCE: 57 MIN
 SOLAR HEAT GAIN COEFFICIENT (NO GRID): 0.22 MAX
 VISIBLE TRANSMITTANCE (NO GRID): 0.41 MIN

SLIDER WINDOWS:
 EMISSIVITY: 0.04 CFM/sf MAX
 U-FACTOR: 0.30 MAX
 CONDENSATION RESISTANCE: 54 MIN
 SOLAR HEAT GAIN COEFFICIENT (NO GRID): 0.28 MAX
 VISIBLE TRANSMITTANCE (NO GRID): 0.47 MIN

ALUMINUM FRAME SKYLIGHT WINDOWS:
 PANE #1: Triple Coated LoE 366 Clear Tempered Glass
 AIR GAP: Min 95% Argon fill
 PANE #2: Clear Tempered Glass
 WINDOW (BY "OPERATION") TO MEET THE FOLLOWING SPECIFICATIONS AS TESTED PER NFRC 100-2010, NFRC 200-2010, NFRC 500-2010, ASTM E 283:
 EMISSIVITY: 0.08 CFM/sf MAX
 U-FACTOR: 0.45 MAX
 CONDENSATION RESISTANCE:
 SOLAR HEAT GAIN COEFFICIENT: 0.26 MAX
 VISIBLE TRANSMITTANCE: 0.60 MIN
 DESIGN PRESSURES PER AAMA/WDMA/CSA 101/I.S.2/A440-08 (NAFS - 08) and/or AAMA/WDMA/CSA 101/I.S.2/A440-11 (NAFS - 11):
 DOWNWARD DESIGN PRESSURE: 150 PSF MIN
 UPLIFT DESIGN PRESSURE: 40 PSF MIN

WINDOWS LABELED AS "TEMPERED" TO MEET REQUIREMENTS OF ANSI-Z-97, 1-1996

NOTE 1: WINDOWS NOTED TO COMPLY WITH CBC 13-160-050(o)(6):
 - Sill height not to exceed 44" AFF
 - Min clear opening of either 24 inches horizontally or 36 inches vertically
 - Min clear area of 6 square feet

Stamp

Date Signed: 10.28.19

State of Illinois Professional Firm
 License No. 184007840-0001

Permit Set	10.28.19
No.	Revision/Issue
Date	

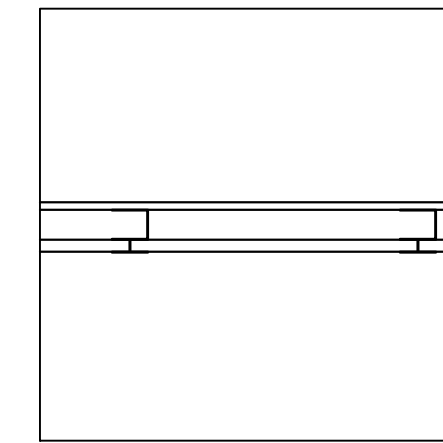
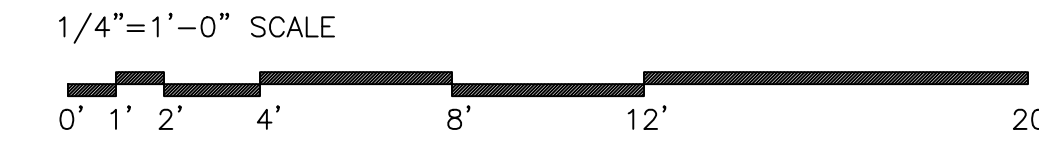
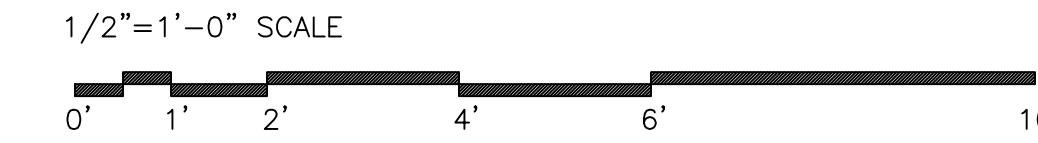
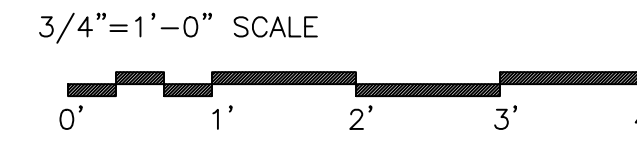
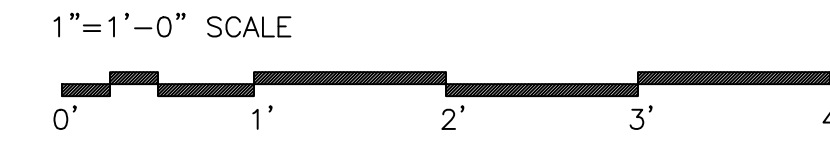
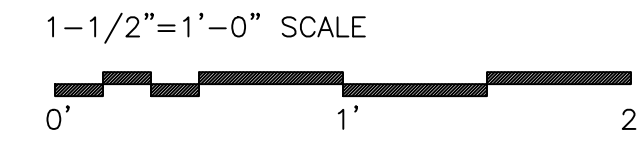
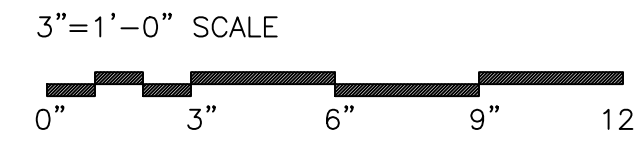
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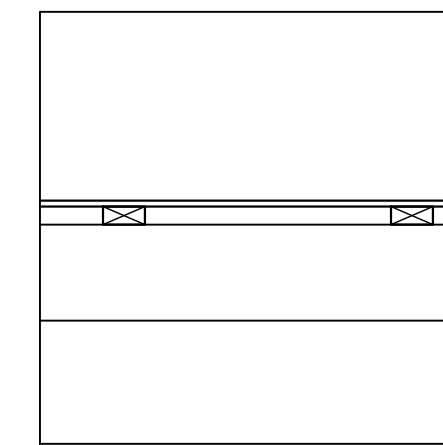
Project Name and Address

**Chang Residence
 Renovation + Addition**
 3123 N Kenmore Avenue
 Chicago, IL 60657

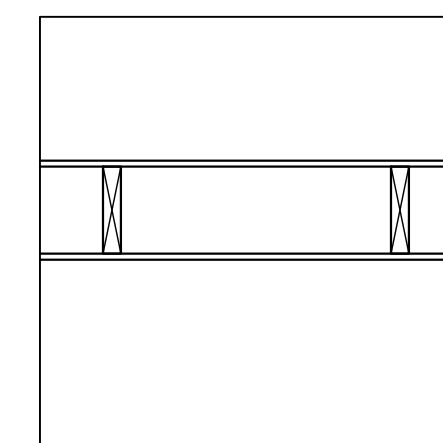
Project 2019.001	Sheet A7-1
Date 10.28.2019	Schedules
Scale 1/4" = 1'-0"	



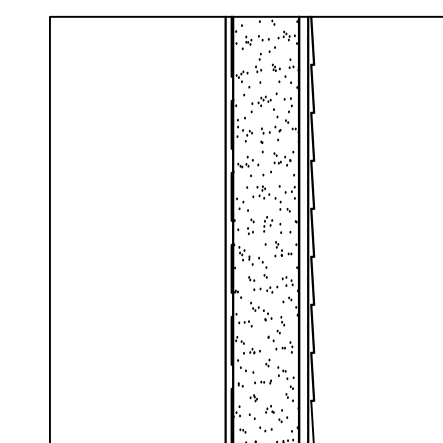
WALL TYPE I.4
 INTERIOR SHAFT WALL
 1-HR. FIRE RATING
 UL LISTING U415
 5/8" TYPE X GYPSUM WALL BOARD
 2-1/2" C-H STUDS 25 GAUGE 24" O,C,
 1" GYPSUM LINER PANEL



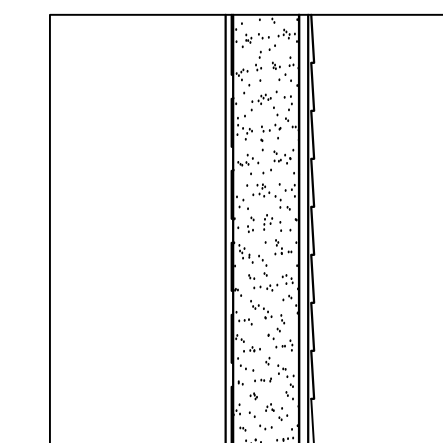
WALL TYPE I.3
 FURRING WALL
 1/2" GYPSUM WALL BOARD
 2X4 WOOD STUDS (ROTATED)
 EXISTING WALL



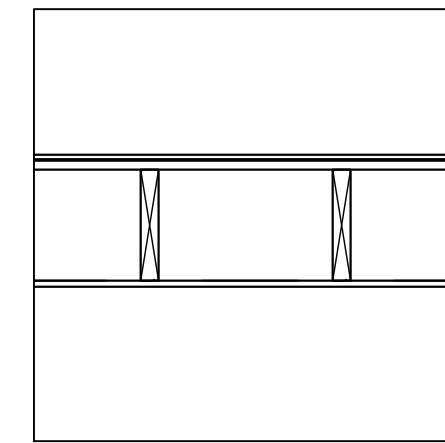
WALL TYPE I.2
 PLUMBING WALL
 1/2" GYPSUM WALL BOARD
 2X8 WOOD STUDS
 1/2" GYPSUM WALL BOARD



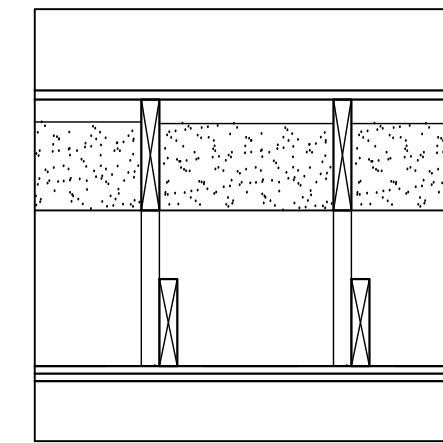
WALL TYPE E.2
 EXISTING EXTERIOR WALL
 EXISTING GYPSUM WALL BOARD
 CLASS II VAPOR BARRIER (PAINT PRIMER ACCEPTABLE)
 EXISTING 2X4 (ACTUAL SIZE) WOOD STUD
 NEW MIN. R-13 OPEN CELL SPRAY FOAM INSULATION
 EXISTING STRUCTURAL PLYWOOD SHEATHING
 EXISTING WOOD OR VINYL SIDING



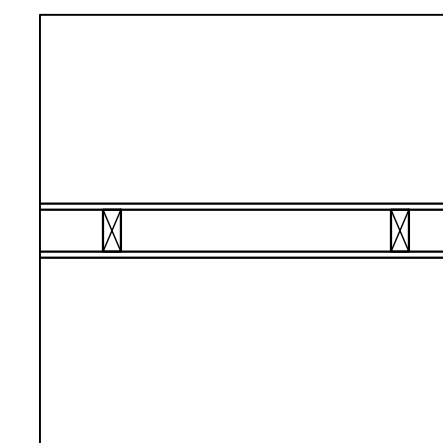
WALL TYPE E.1
 TYPICAL EXTERIOR WALL -
 1-HR. FIRE RATING
 UL LISTING NO. U356
 5/8" TYPE X GYPSUM WALL BOARD
 CLASS II VAPOR BARRIER
 2X6 WOOD STUD W/ MIN. R-21 OPEN CELL SPRAY FOAM INSULATION
 5/8" STRUCTURAL PLYWOOD SHEATHING
 BUILDING PAPER
 VINYL SIDING - MOLDED PLASTIC HAVING FLAME SPREAD RATING OF 20 OR LESS, OR ALT. #2: CEMENTITIOUS FIBERBOARD SIDING



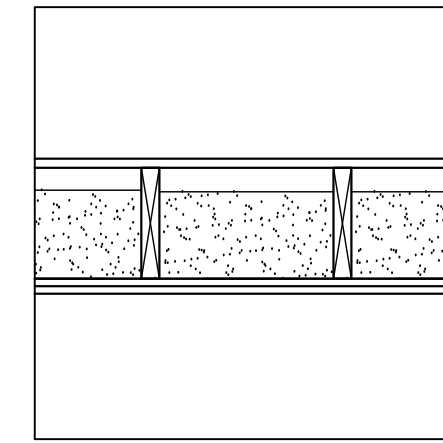
FLOOR ASSEMBLY F.2
 FIRST FLOOR ASSEMBLY @ ADDITION
 3/8" THICK ENGINEERED HARDWOOD
 3 MM UNDERLAYMENT
 3/4" STRUCTURAL PLYWOOD
 2X10 JOISTS
 1/2" GYPSUM WALL BOARD



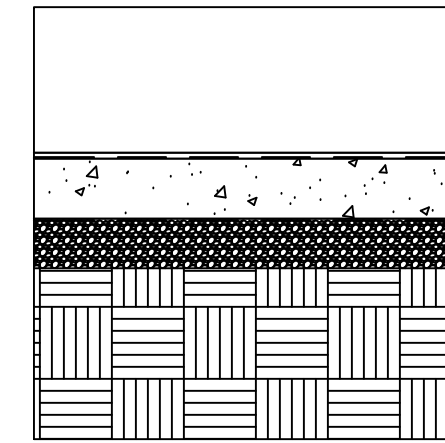
ROOF ASSEMBLY R.2
 2X10 RAFTER ASSEMBLY -
 1 HR. FIRE RATING (1/2 HR. REQUIRED)
 GA LISTING NO. FC-5406
 CLASS A, B, OR C ASPHALT SHINGLE ROOF
 1/2" STRUCTURAL PLYWOOD SHEATHING
 2X10 RAFTERS W/ 2" SPACE AND MIN. R-49
 CLOSED CELL SPRAY FOAM INSULATION (CLASS II VAPOR BARRIER)
 2 X 6 JOISTS
 2 LAYERS 5/8" TYPE X GYPSUM WALL BOARD



WALL TYPE I.1
 TYPICAL INTERIOR WALL
 1/2" GYPSUM WALL BOARD
 2X4 WOOD STUDS
 1/2" GYPSUM WALL BOARD



ROOF ASSEMBLY R.1
 2X10 RAFTER ASSEMBLY -
 1 HR. FIRE RATING (1/2 HR. REQUIRED)
 GA LISTING NO. FC-5406
 CLASS A, B, OR C ASPHALT SHINGLE ROOF
 1/2" STRUCTURAL PLYWOOD SHEATHING
 2X10 RAFTERS W/ 2" SPACE AND MIN. R-49
 CLOSED CELL SPRAY FOAM INSULATION (CLASS II VAPOR BARRIER)
 2 LAYERS 5/8" TYPE X GYPSUM WALL BOARD



FLOOR ASSEMBLY F.1
 GROUND FLOOR SLAB ASSEMBLY @ ADDITION
 TILE FLOOR
 4" CONCRETE SLAB
 6 MIL POLYETHYLENE VAPOR BARRIER
 4" GRAVEL FILL
 COMPACTED EARTH

4 FLOOR ASSEMBLIES

3 ROOF ASSEMBLIES

2 INTERIOR WALL ASSEMBLIES

1 EXTERIOR WALL ASSEMBLIES

Stamp



Date Signed: 10.28.2019

State of Illinois Professional Firm
 License No. 184007840-0001

⚠		
	Permit Set	10.28.19
No.	Revision/Issue	Date

Firm Name and Address

spaces + places
 architecture + urban planning
 5850 w race avenue - chicago, il 60644
 312.217.3944 - www.spaces-n-places.com

Project Name and Address

**Chang Residence
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 3123 N Kenmore Avenue
 Chicago, IL 60657

Project 2019.001	Sheet A7-2
Date 10.28.2019	Assemblies
Scale NTS	

Building Loads	
Roof Live Load/Snow	25 psf
Roof Dead Load	20 psf
Floor Live Load	40 psf
Floor Dead Load	20 psf
Floor Partition Load	15 psf
Deck Live Load	100 psf
Deck Dead Load	15 psf

Foundation and Soil

1.) Foundation Design:
 Continuous wall and spread footings have been proportioned for a minimum soil bearing capacity of 1500 pounds per square foot. Actual allowable bearing value shall be determined by a geotechnical soil engineer prior to pouring footings. All footings shall be based at a depth of not less than 3.5 feet below the finished exterior grade. The bearing soils should be carefully evaluated after foundation excavation, and any soft or otherwise unsuitable material should be undercut down to competent soil. The over excavated or undercut zone may be replaced with lean concrete or with load bearing fill.

Concrete

1.) Concrete shall be regular weight, conform to ASTM C33, and have the following minimum compressive strengths:
 Slabs-on-grade: 4000psi
 All other foundations: 3000psi
 2.) Detail, fabricate, and erect all concrete in accordance with American Concrete Institute specifications, latest edition.
 3.) Concrete construction shall conform to "Specification for Structural Concrete for Buildings" (ACI301).
 4.) Air entrained concrete (5% + 1% air) shall be used for all concrete exposed in the finished work when freezing temperatures might apply.
 5.) Admixtures containing chloride salts shall not be used.
 6.) Maximum water/cement ratio shall be 0.50.
 7.) Concrete shall be conveyed and deposited in accordance with the recommendations of ACI 614.
 8.) At time of placement, concrete shall have a slump of 4" maximum (per ASTM C143).
 9.) All concrete shall be thoroughly consolidated during placement, using a mechanical vibrator.
 10.) Concrete when placed, shall have a temperature between 50 degrees F. and 70 degrees F. The temperature of concrete during mixing or transportation shall never be lower than 40 degrees F. nor higher than 90 degrees F.
 11.) During cold weather (ambient temperature below 40 degrees F.) the concrete contractor shall maintain the concrete at a minimum temperature of 50 degrees F. for 3 days and above 32 degrees F. for 14 days following its placement.
 12.) During hot weather (ambient temperature above 80 degrees F.) the concrete contractor shall follow the recommendations for hot weather concrete placement as described in ACI 305 as required to minimize temperature and shrinkage cracking of the concrete.
 13.) See architectural drawings for blockouts, grooves and other surface treatments. See architectural, mechanical, electrical, and plumbing drawings for floor depressions, pads, sleeves, curbs, embedments and inserts.
 15.) At construction joints of slabs and beams, provide straight, vertical joints. Limit joint surface roughness to a half an inch amplitude. Remove any spillage of the first concrete replacement.
 16.) Place concrete in foundation only after obtaining written verification from the geotechnical engineer of record that the bearing stratum meets project requirements..
 17.) Submit detailed shop drawings indicating locations of joints, form ties, curbs, grooves, blockouts, and any other treatment. Include a schedule of concrete casting sequences.
 18.) See specifications and architectural drawings for concrete finishes. See specifications and architectural drawings for surface hardeners and sealers.

Cast-In-Place Concrete

1.) Provide 3/4" chamfer at edges of column encasements, beams, and walls, unless noted otherwise.
 2.) See architectural drawings for blockouts, grooves and other surface treatments. See architectural, mechanical, electrical, and plumbing drawings for floor depressions, pads, sleeves, curbs, embedments, and inserts.
 3.) At construction joints of slabs and beams, provide straight, vertical joints. Limit joint surface roughness to a half an inch amplitude. Remove any spillage of the first concrete replacement.
 4.) Where concrete is placed against an existing, hardened concrete surface at a construction joint, steel brush and clean the existing concrete surface of any debris and dust. Wet the existing concrete to a surface-dry saturated state prior to concrete placement.
 5.) Place concrete in foundations only after obtaining written verification from the geotechnical engineer of record that the bearing stratum meets project requirements.

Reinforcing

1. Reinforcing bars shall be new billet steel conforming to ASTM A615, grade 60.
 2. Horizontal wall reinforcing shall lap 48 bar diameters at splices and corners.
 3. Welded wire fabric (WWF) shall conform to ASTM A185.
 4. Mild steel reinforcement for concrete and masonry construction shall be manufactured, detailed, fabricated and placed in accordance with the "Building Code Requirements for Reinforced Concrete" (ACI318) and the "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI315) and shall be deformed steel bars conforming to ASTM A615, Grade 60.
 5. Ties, stirrups, and hoops shall conform to ASTM A615, Grade 60.
 6. Reinforcement bars of larger than #6 in size shall not be bent in the field.
 7. Splices
 A. Reinforcements in concrete and masonry shall have lap lengths as follows:

Bar Size	Length in Concrete	Length in Masonry
#3	2'-0"	2'-0"
#4	2'-4"	2'-0"
#5	3'-0"	2'-6"
#6	3'-8"	3'-0"
#7	5'-3"	5'-0"
#8	6'-0"	5'-6"

 B. Welded wire fabric shall be lapped one grid width plus 2".
 C. Reinforcement shall be bent cold.
 D. Reinforcement shall not be welded.
 8. Placing
 A. Reinforcement shall be accurately placed and adequately supported by concrete metal or other approved chairs, spacers or ties and secured against displacement during concrete or grout placement. Tack welding shall not be allowed.
 B. Except where shown otherwise on the architectural drawings, reinforcement in concrete shall have concrete cover as follows:

Concrete deposited against earth.....	3"
Formed concrete against earth.....	2"
Exterior faces of walls.....	2"
Interior faces of walls.....	3/4"
To top of slabs-on-grade.....	3/4"

Rough Carpentry

1. All plywood shall be DFFPA grade marked to comply with PSI-66 and shall be Standard C-D, Flat. Floor plywood shall be 3/4" T & G APA 48/24. Nail subfloor at edges with 12d nails at 6" o.c. min. and 12" o.c. in field.
 2. All stud walls shown on the structural drawings shall have 2x4 or 2x6 studs spaced 16" o.c. as shown.
 3. Top plates shall be doubled on all stud walls.
 4. Cripples under headers shall be continuous to the sole plate.
 5. Block all stud walls as required for sheathing.
 6. Blocking 2" wide of equal depth of the members shall be provided between all joists and rafters at their supports, unless members are nailed to a rim joist.
 7. Install all horizontal members with crown up.
 8. All members in bearing shall be accurately cut and aligned so that full bearing is provided without the use of shims.
 9. All joists shall have a minimum of 2" bearing at supports. Lapping joists shall have 6" laps centered over interior supports.
 10. All wall sheathing shall be applied as follows:
 A. Center vertical joints over studs and center horizontal joints over 2" blocking or plate.
 B. Nail top of panels to double top plate and nail bottom of panels to anchored sill plate.
 C. Apply gypsum board so that end joints of adjacent courses do not occur over the same stud.
 11. Sawn lumber material shall be as follows:
 A. Sawn lumber calculations are based on Spruce Pine Fir No. 2 or better, unless shown otherwise on the drawings, graded in accordance with Standard Grading Rules of NWFA or Rule #16 of NCLB.
 B. All 2" lumber shall be seasoned to 19% maximum moisture content.
 C. All wood in contact with concrete, masonry or soil shall be pressure treated or protected from condensate

Timber

1. Lumber must have the following minimum allowable stress values.
 A. Spruce Pine Fir:

Fb = 875 psi
Fv = 70 psi
Fc perp = 425 psi
E = 1,400,000 psi

 B. Microllam (LVL):

Fb = 2600 psi
Fv = 285 psi
Fc perp = 750 psi
E = 1,900,000 psi

 C. Parallam (PSL):

Fb = 2400 psi
Fv = 240 psi
Fc perp = 750 psi
E = 2,000,000 psi

 2.) All exposed timber members shall be pressure treated (Kalmalized) with minimum Fb=875psi and E=1,400,000.
 3.) All exposed fasteners, nails, bolts, staples, and steel connectors or plates shall be hot dipped galvanized.
 4.) Timber framing shall consist of nature produced or man made sections, the latter as manufactured by Trus Joist Corporation or equal.
 5.) Timber connections shall be appropriately sized for the pieces joined and manufactured by Teco, Simpson, or equal, using nail sizes and spacing as recommended. No toe or backnailing is allowed unless noted otherwise on drawings.

Structural Steel

1. Wide Flange structural steel shapes shall conform to ASTM A992 or ASTM A572 Gr50, all other structural steel shapes shall conform to ASTM A36 with special requirements per AISC Technical Bulletin #3, New Shape Material, date March 3, 1997; and structural steel tubes ASTM A500 Grade B unless noted otherwise.
 2. Detail, fabricate, and erect all steel in accordance with "AISC Specification", latest edition.
 3. Connection bolts shall be 3/4" diameter high strength bolts conforming to ASTM A325 unless otherwise designed by the fabricator.
 4. Anchor bolts shall conform to ASTM F1554 Grade 36.
 5. All welding electrodes to be E70XX.
 6. All shop and field welding shall be in accordance with AWS, "Code For Welding In Building Construction", latest edition, and shall be made by certified welders.
 7. Provide one shop coat of paint on all steel elements and fabrications.
 8. Fabricator shall select AISC simple shear connectors for steel beams capable of carrying 50% of the total uniform load for the given size, span and grade of beam, as tabulated in the AISC tables for allowable loads.
 9. Contractor shall submit shop drawings for all prefabricated steel products to the structural engineer for review prior to start of erection.
 10. Unless noted otherwise all fillet welds are 1/4".
 11. Furnish and install all miscellaneous steel (curbs, hangers, expansion joint angles, struts, etc.) as called for or as necessary per Architectural and Mechanical/Electrical drawings.
 12. Grout under bearing plates and column base plates shall attain a minimum bearing stress of 5000 psi.
 13. The contractor shall submit shop drawings and connection calculations signed and sealed by a Licensed Structural Engineer in the State of Illinois to the Engineer of Record for review prior to the start of fabrication or erection.

General

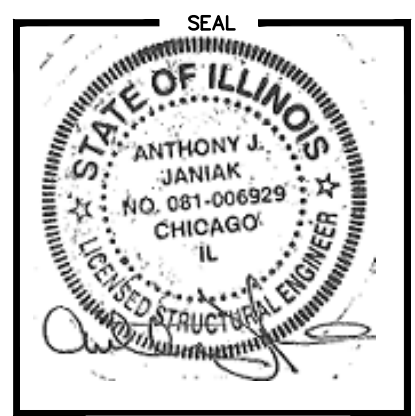
1. Verify all conditions and dimensions in the field and report any discrepancies immediately.
 2. Contractor and sub-contractors as required will obtain all necessary permits.
 3. Contractor to be solely responsible for all construction means, methods, techniques, procedures and for coordinating all portions of the work.
 4. All work to be done in accordance with all applicable codes and ordinances related to the Local Municipality.
 5. The contractor and his/her subcontractors shall hold harmless the architect/engineer, his agents, and the Owners against loss, damages, liability, or any expense arising in any manner from the wrongful and negligent acts of the contractor, the subcontractors or their respective employees and agents.
 6. All contractors, subcontractors and their employees shall be familiar and comply with all laws, ordinances, rules and regulations of all the governmental authorities having jurisdiction with regard to this work.
 7. The scope of the work is shown on the drawings. The drawings show the general extent of the work and do not necessarily show everything to be removed to prepare for construction. They also do not show all of the conditions which may be encountered in order to properly execute the work.
 8. The architect is responsible for reviewing all dimensions on structural drawings. In cases of dimensional discrepancies, contractor shall notify the architect.

DRAWING INDEX

SHEET NUMBER	DESCRIPTION
SO.0	GENERAL NOTES
SI.0	FOUNDATION AND 2ND FLOOR FRAMING PLAN
SI.1	3RD FLOOR AND ROOF FRAMING PLANS
S2.0	DETAILS

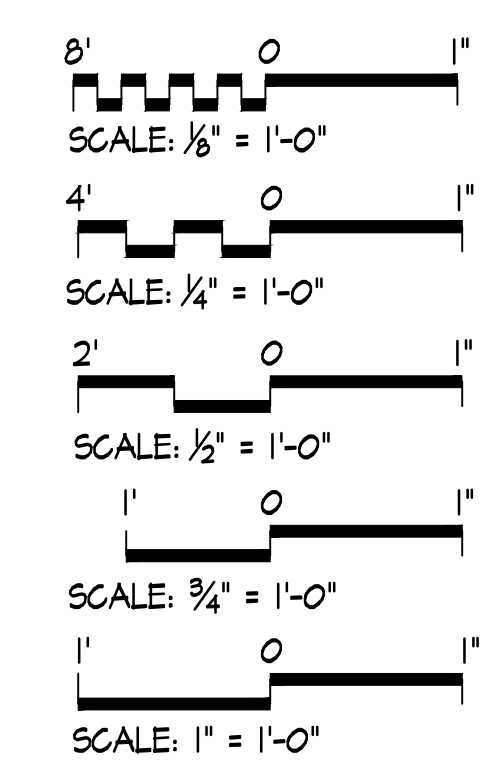
Chang Residence
 3123 N. Kenmore Avenue
 Chicago, IL

THE STRUCTURAL SHOP Ltd.
 structural engineering
 9601 River Street
 Schiller Park, IL 60176
 phone 847 349 0099
 fax 847 349 1088



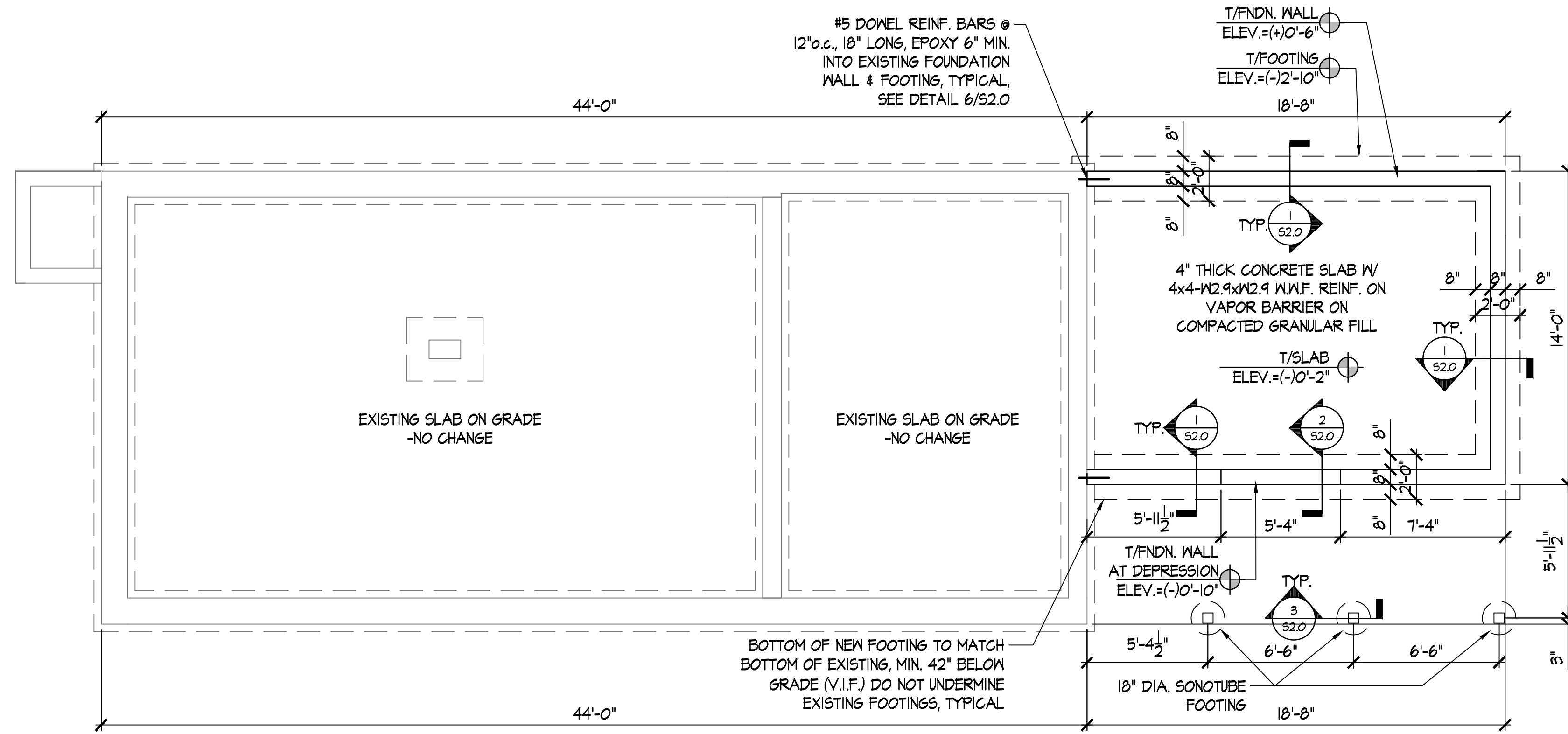
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REVISIONS
REVIEW - 09/16/2019
REVIEW - 10/03/2019
REVIEW - 10/09/2019
PERMIT - 10/14/2019



General Notes

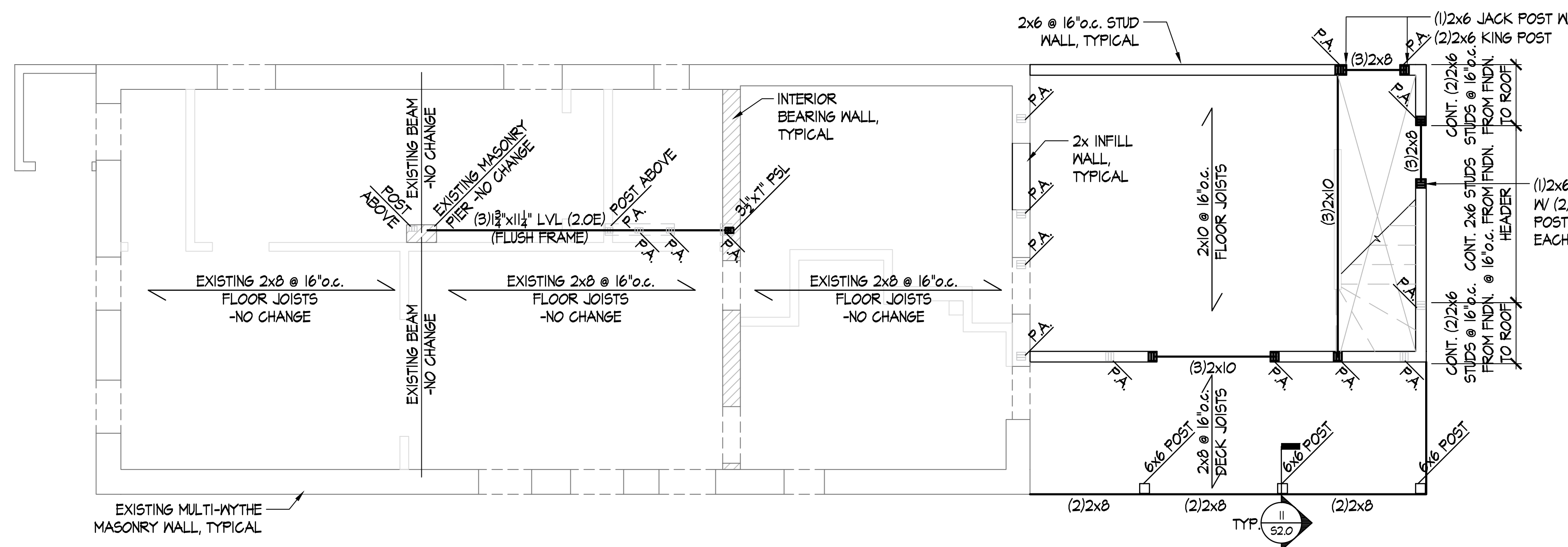
DATE 09/18/2019	SHEET NO. SO.0
DRAWN AJ	
JOB NO. 19390	



1 FOUNDATION PLAN
S1.0

SCALE: 1/4" = 1'-0"

- NOTES:
- 1) CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION/DEMOLITION, NOTIFY ARCH. AND EOR OF ANY DISCREPANCIES.
 - 2) ARCHITECT TO REVIEW AND COORDINATE ALL DIMENSIONS AND ELEVATIONS. TYPICAL.
 - 3) DO NOT UNDERMINE EXISTING FOUNDATIONS. TYPICAL.
 - 4) ALL WATERPROOFING, FLASHING, AND DRAINAGE SYSTEMS ARE TO BE DESIGNED BY OTHERS, COORDINATE WITH ARCHITECT.
 - 5) TOP OF FOUNDATION WALL ELEVATION= +10'-6"
 - 6) TOP OF GRADE ELEVATION= (-)0'-4"



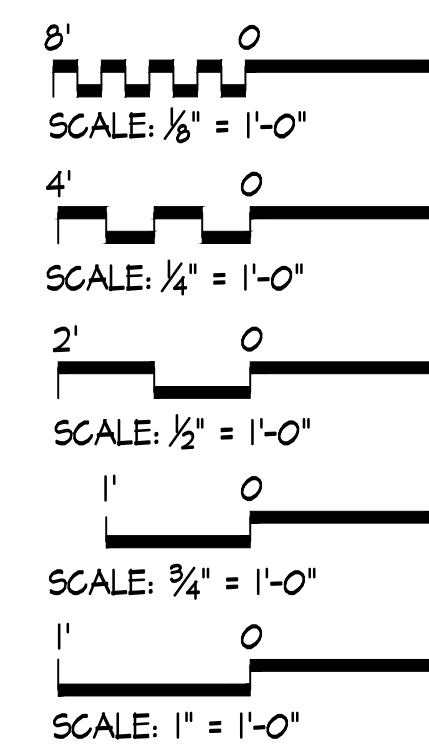
2 2ND FLOOR FRAMING PLAN
S1.0

SCALE: 1/4" = 1'-0"

- NOTES:
- 1) TYPICAL FLOOR SHEATHING= PROVIDE 3/4" THICK PLYWOOD GLUED AND NAILED W/ 10d NAILS @ 12" o.c. AND @ 6" o.c. AT PERIMETER TO SUPPORTING STRUCTURE.
 - 2) CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCH. AND EOR OF ANY DISCREPANCIES.

MULTIPLE PLY LVL BEAM CONNECTION SCHEDULE

PLY	CONNECTION
2-PLY	CONNECT PLYS W/ 3- ROWS OF 10d NAILS @ 12" o.c.
3-PLY	CONNECT PLYS 2- ROWS OF 1/2" DIA. THRU BOLTS @ 16" o.c.
4-PLY	CONNECT PLYS 2- ROWS OF 1/2" DIA. THRU BOLTS @ 16" o.c.



Chang Residence
3123 N. Kenmore Avenue
Chicago, IL

THE STRUCTURAL SHOP Ltd.
STRUCTURAL ENGINEERING
9601 River Street
Chicago, IL 60638
Schiller Park, IL 60184
Tel: 708.349.0099
Fax: 708.349.1088

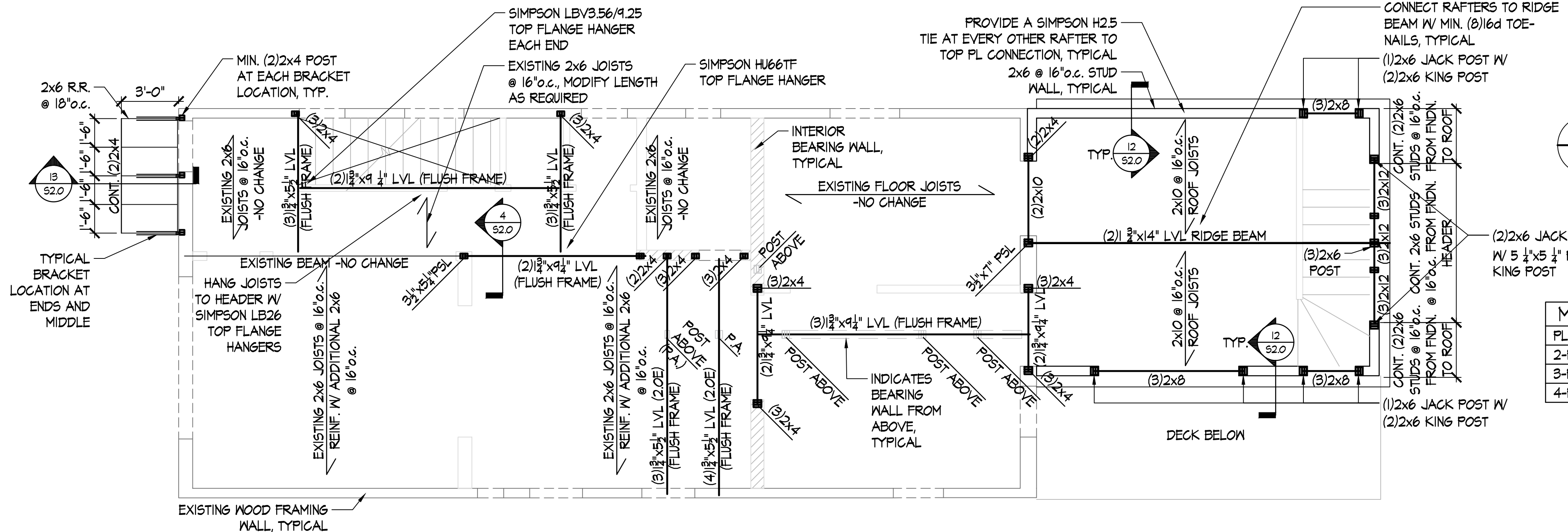


REVISIONS

REVIEW - 09/16/2019
REVIEW - 10/03/2019
REVIEW - 10/09/2019
PERMIT - 10/14/2019

Foundation & 2nd Floor Framing Plan

DATE: 09/16/2019
DRAWN: AJ
JOB NO.: 19390
SHEET NO.: **S1.0**

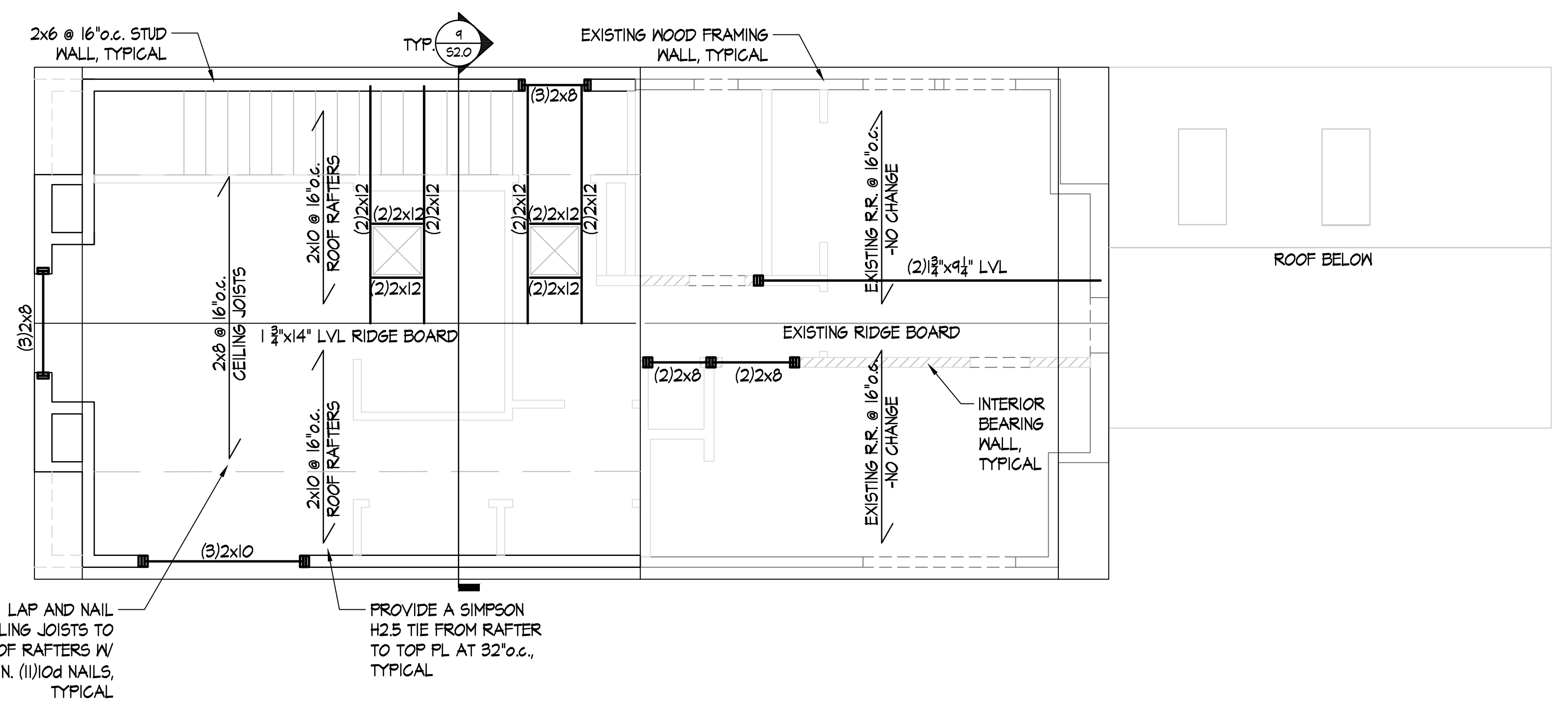


1 3RD FLOOR FRAMING PLAN
S1.1

SCALE: 1/4" = 1'-0"
NOTES:
1) TYPICAL ROOF SHEATHING= PROVIDE 5/8" THICK PLYWOOD NAILED W/ 10d NAILS @ 12" o.c. AND @ 6" o.c. AT PERIMETER TO SUPPORTING STRUCTURE.
2) CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCH. AND EOR OF ANY DISCREPANCIES.

MULTIPLE PLY LVL BEAM CONNECTION SCHEDULE

PLY	CONNECTION
2-PLY	CONNECT PLYs W/ 3- ROWS OF 10d NAILS @ 12" o.c.
3-PLY	CONNECT PLYs 2- ROWS OF 1/2" DIA. THRU BOLTS @ 16" o.c.
4-PLY	CONNECT PLYs 2- ROWS OF 1/2" DIA. THRU BOLTS @ 16" o.c.

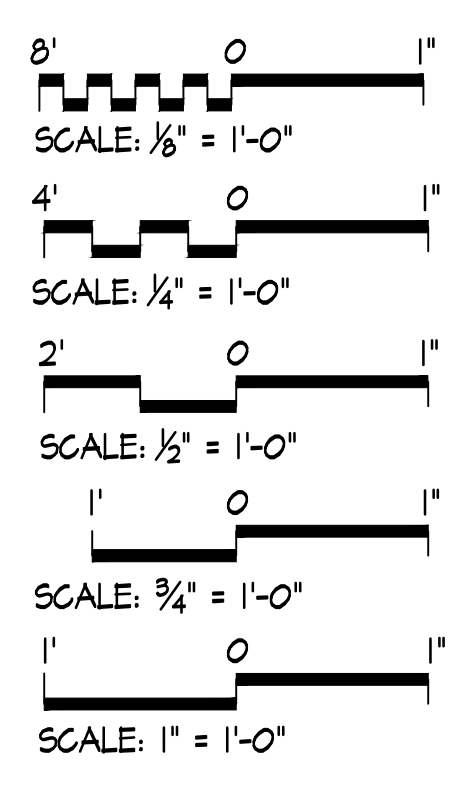


2 ROOF FRAMING PLAN
S1.1

SCALE: 1/4" = 1'-0"
NOTES:
1) TYPICAL ROOF SHEATHING= PROVIDE 5/8" THICK PLYWOOD GLUED AND NAILED W/ 10d NAILS @ 12" o.c. AND @ 6" o.c. AT PERIMETER TO SUPPORTING STRUCTURE.
2) CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCH. AND EOR OF ANY DISCREPANCIES.

MULTIPLE PLY LVL BEAM CONNECTION SCHEDULE

PLY	CONNECTION
2-PLY	CONNECT PLYs W/ 3- ROWS OF 10d NAILS @ 12" o.c.
3-PLY	CONNECT PLYs 2- ROWS OF 1/2" DIA. THRU BOLTS @ 16" o.c.
4-PLY	CONNECT PLYs 2- ROWS OF 1/2" DIA. THRU BOLTS @ 16" o.c.



Chang Residence
3123 N. Kenmore Avenue
Chicago, IL

THE STRUCTURAL SHOP Ltd.
STRUCTURAL ENGINEERING
9601 River Street
Chicago, IL 60631
Schiller Park, IL 60196
TEL: 773.349.1099
FAX: 773.349.1098

SEAL
STATE OF ILLINOIS
ANTHONY J. JANIAK
NO. 081-006929
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

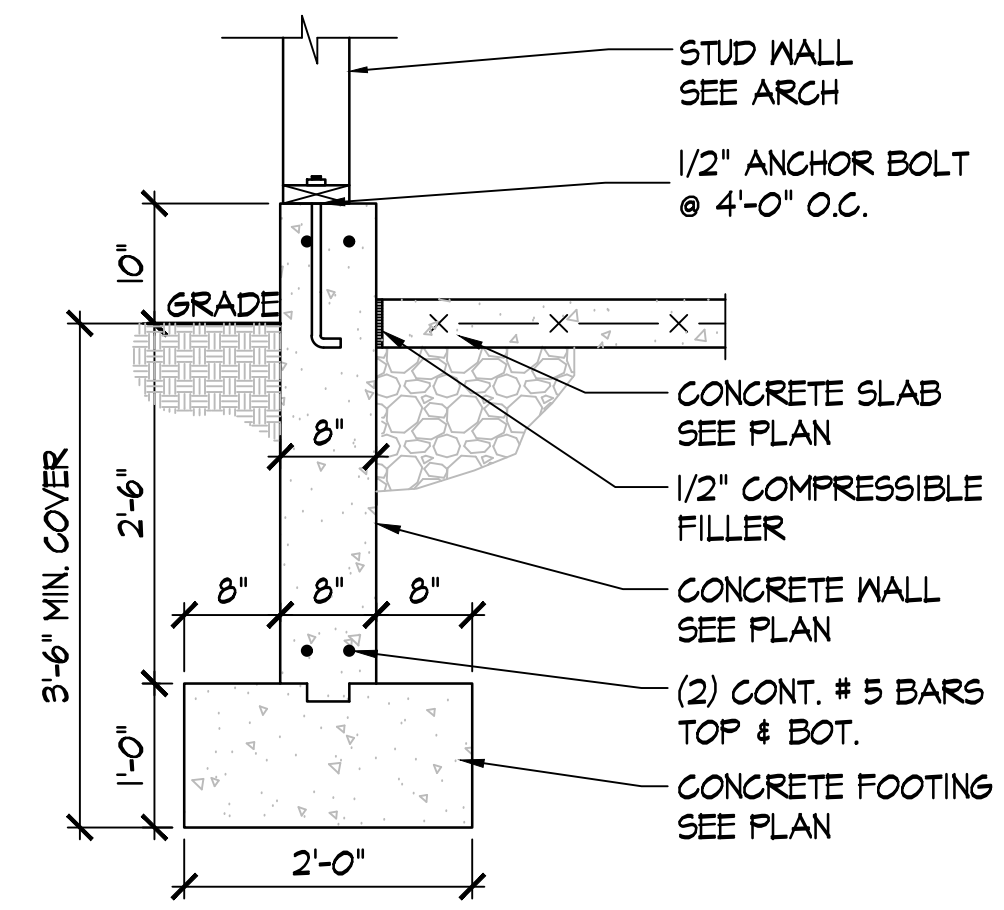
REVISIONS

REVIEW - 09/16/2019
REVIEW - 10/03/2019
REVIEW - 10/09/2019
PERMIT - 10/14/2019

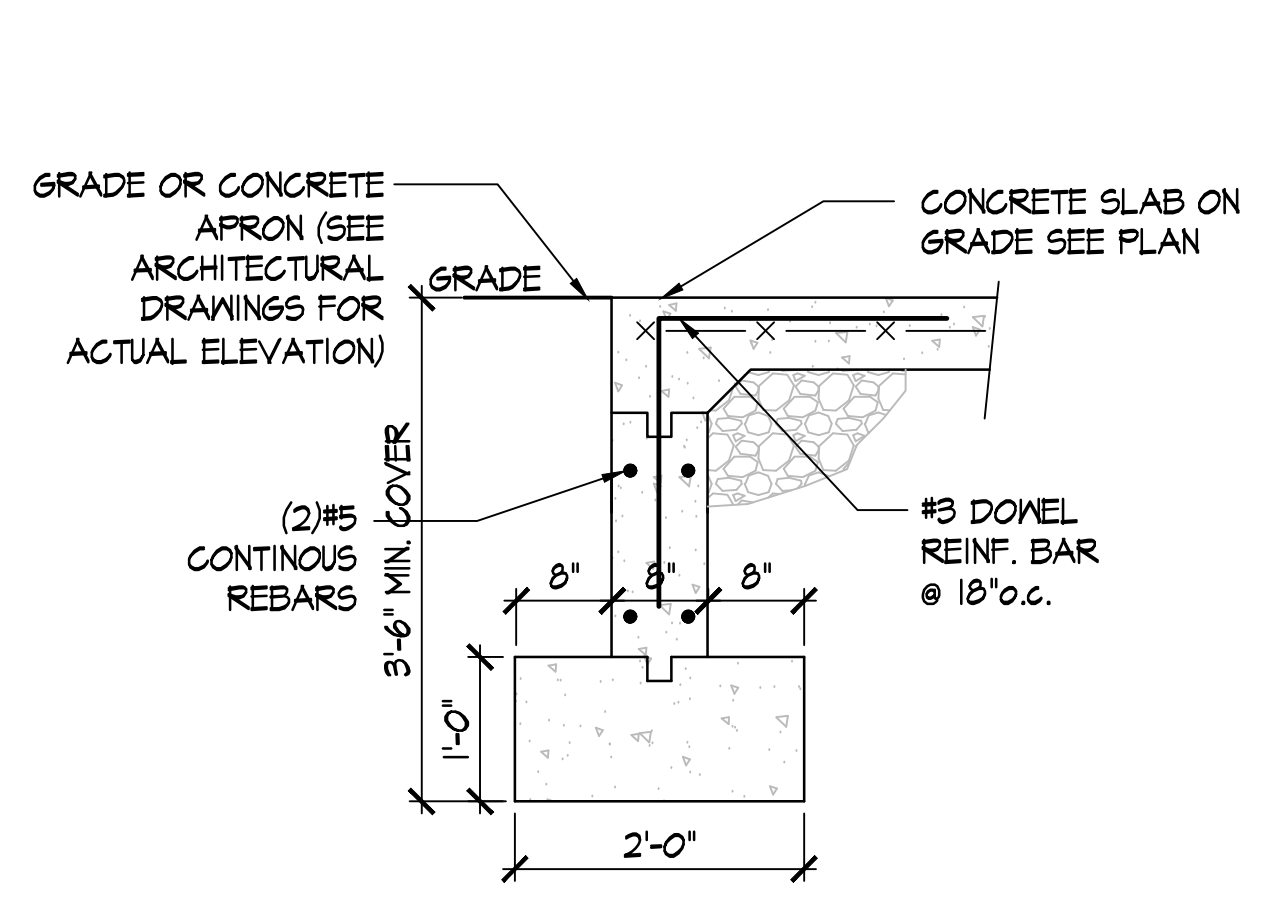
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3rd Floor Framing and Roof Framing Plan

DATE: 09/16/2019
DRAWN: AJ
JOB NO.: 19390

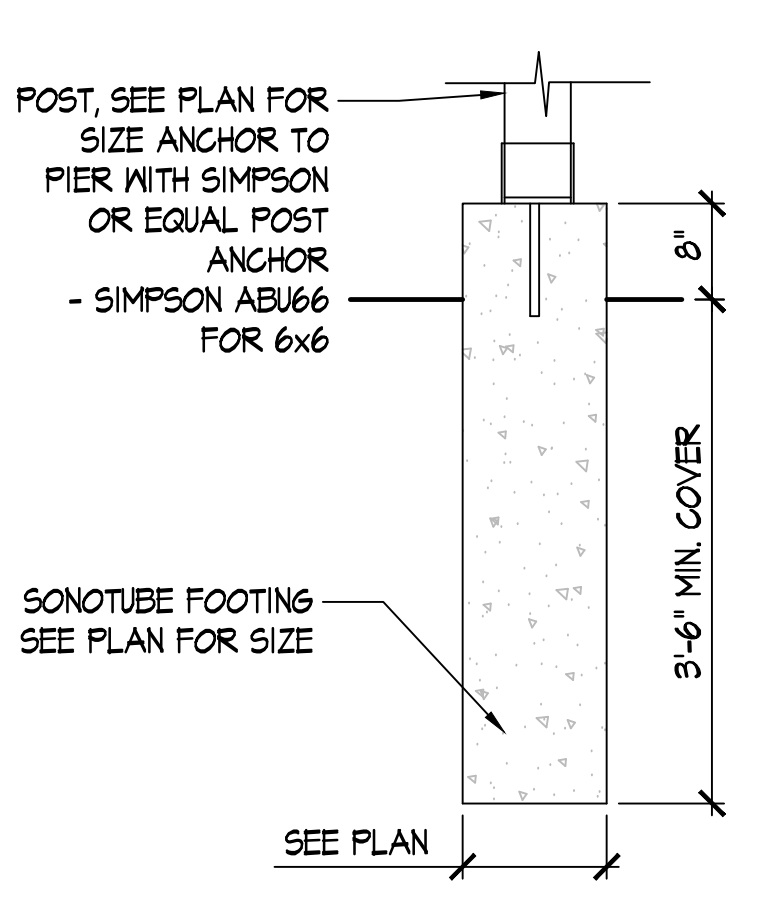
SHEET NO.: S1.1



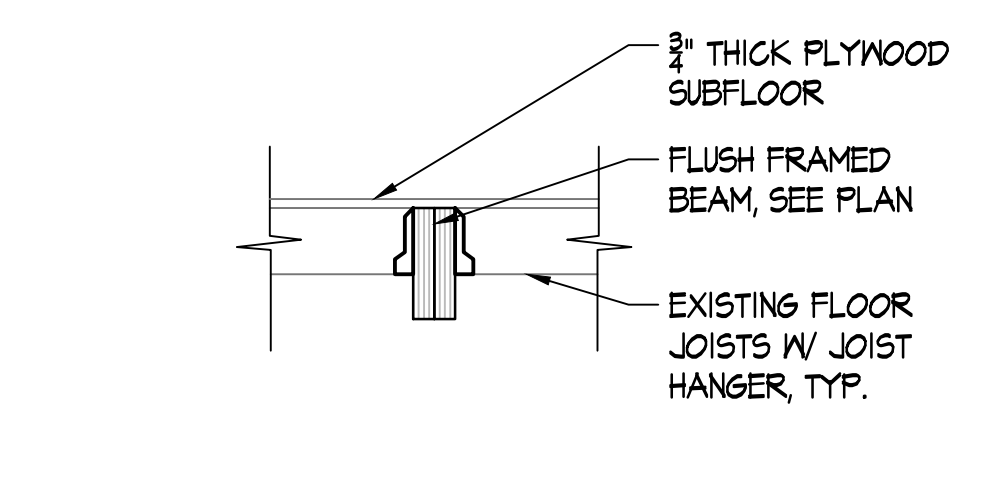
1 WALL SECTION
S2.0 SCALE: 3/4" = 1'-0"



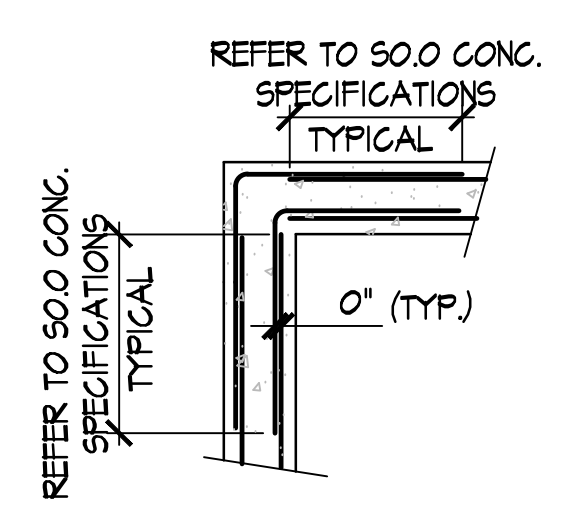
2 SECTION AT DEPRESSED WALL
S2.0 SCALE: 3/4" = 1'-0"



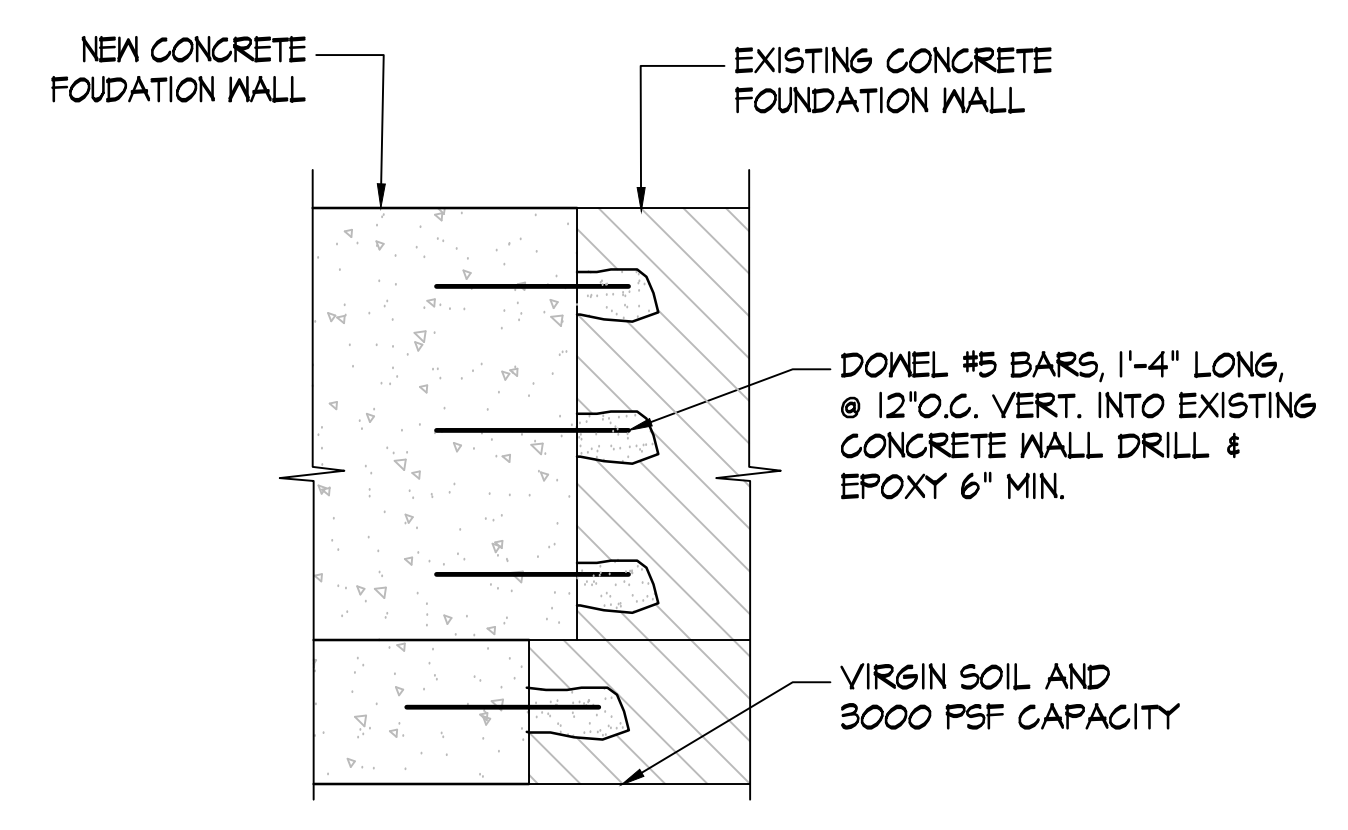
3 TYP. SONOTUBE DETAIL
S2.0 SCALE: 3/4" = 1'-0"



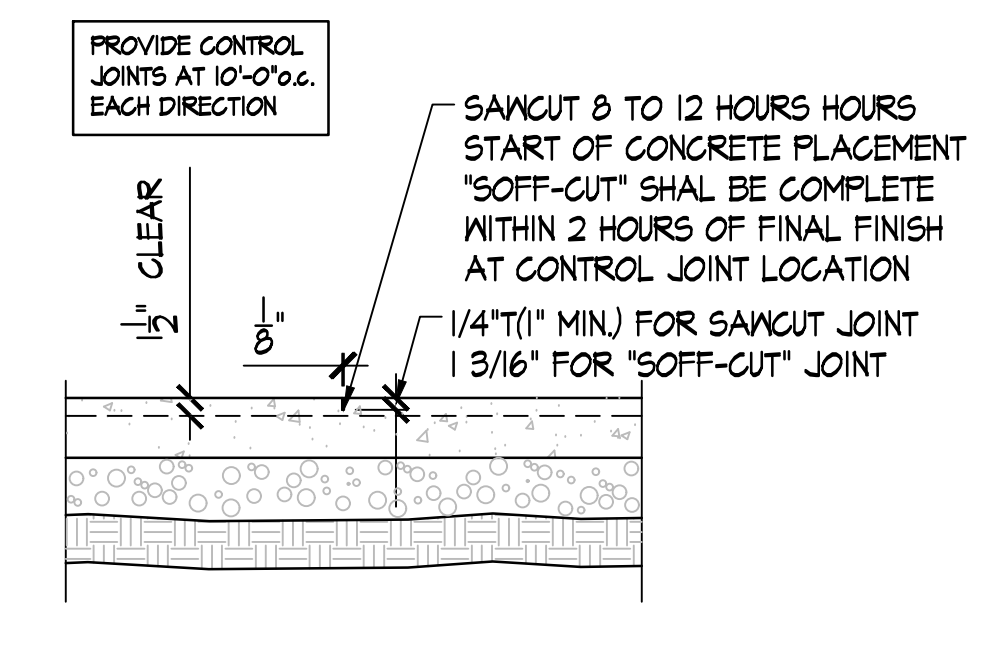
4 FRAMING SECTION DETAIL
S2.0 SCALE: 3/4" = 1'-0"



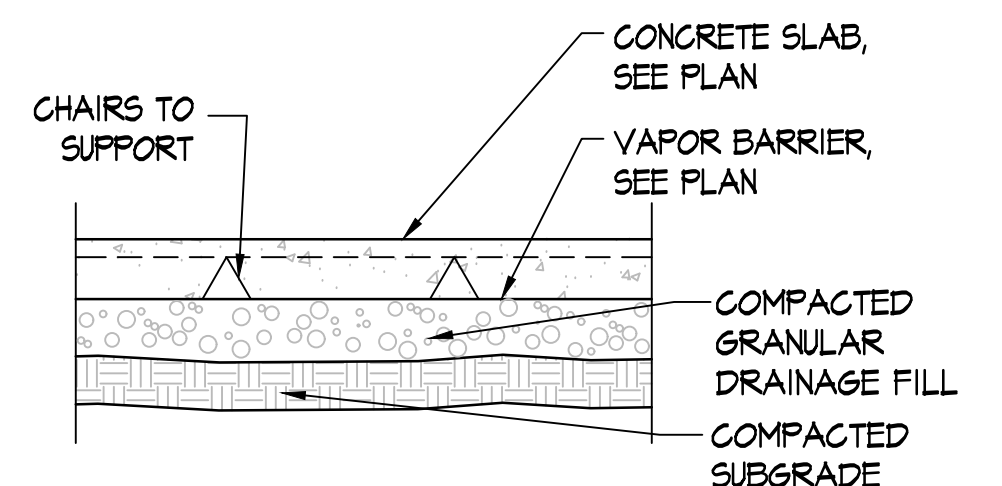
5 TYP. WALL CORNER REINFORCING
S2.0 SCALE: 3/4" = 1'-0"



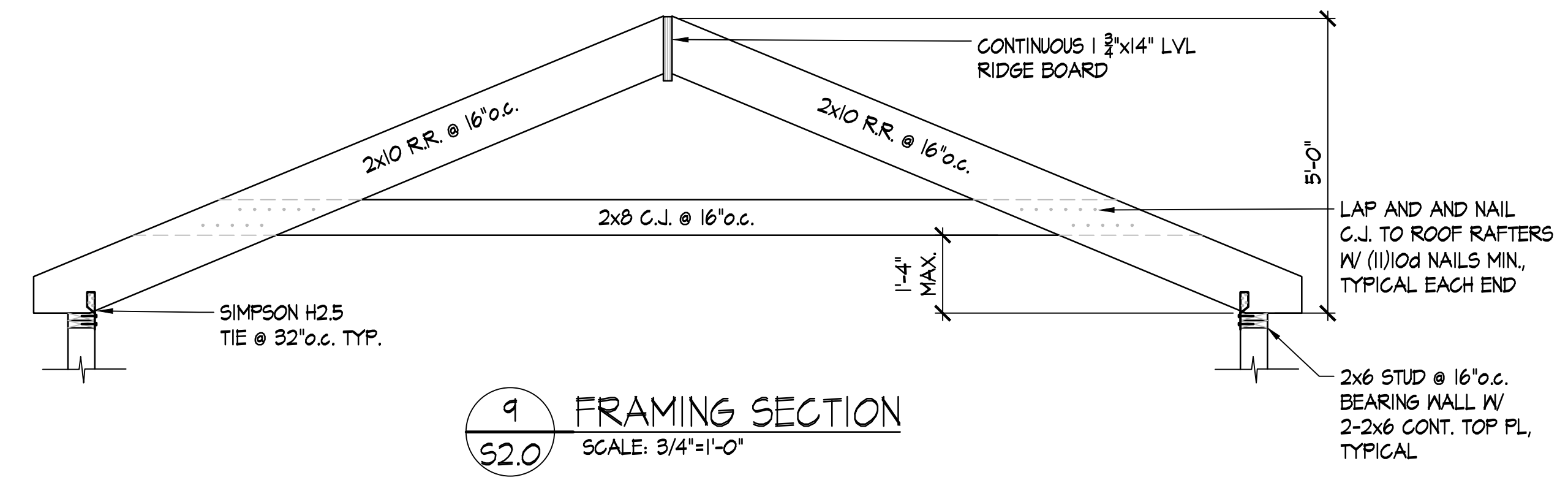
6 FOUNDATION EXTENSION
S2.0 SCALE: 3/4" = 1'-0"



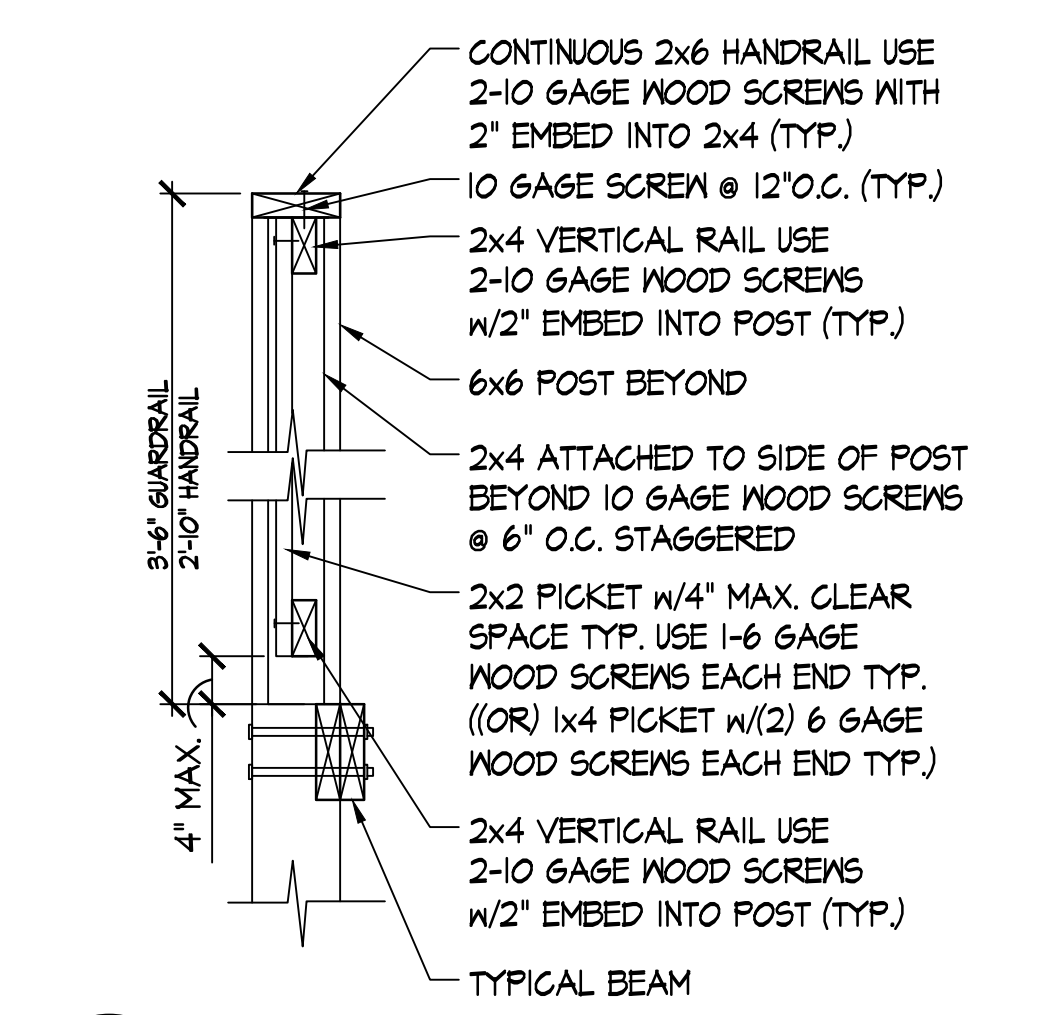
7 CONTROL JOINT
S2.0 SCALE: 3/4" = 1'-0"



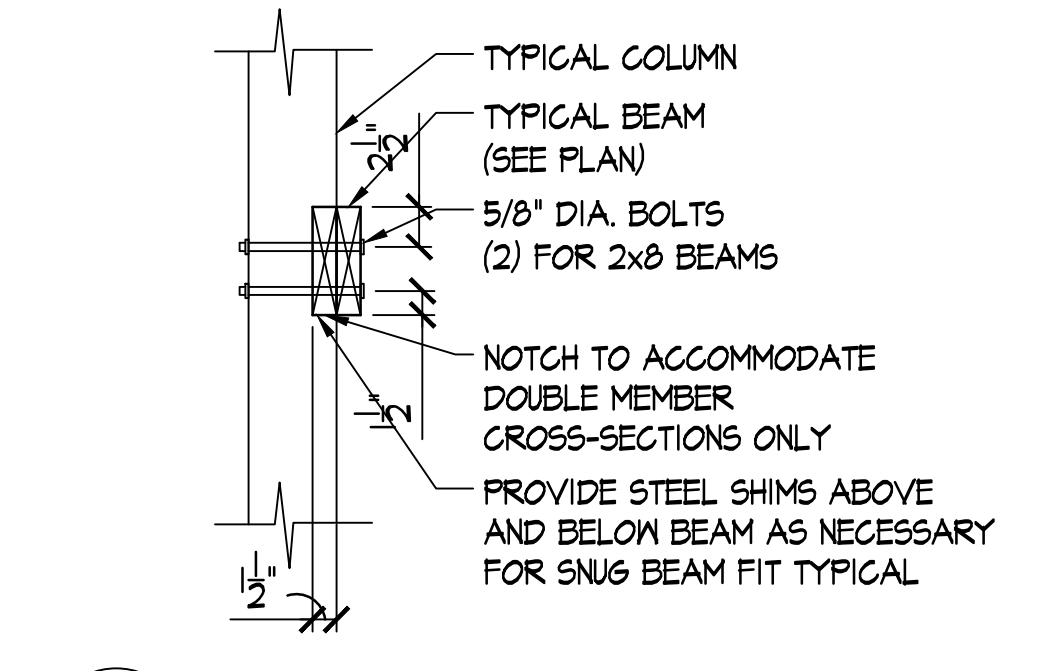
8 TYP. SLAB ON GRADE
S2.0 SCALE: 3/4" = 1'-0"



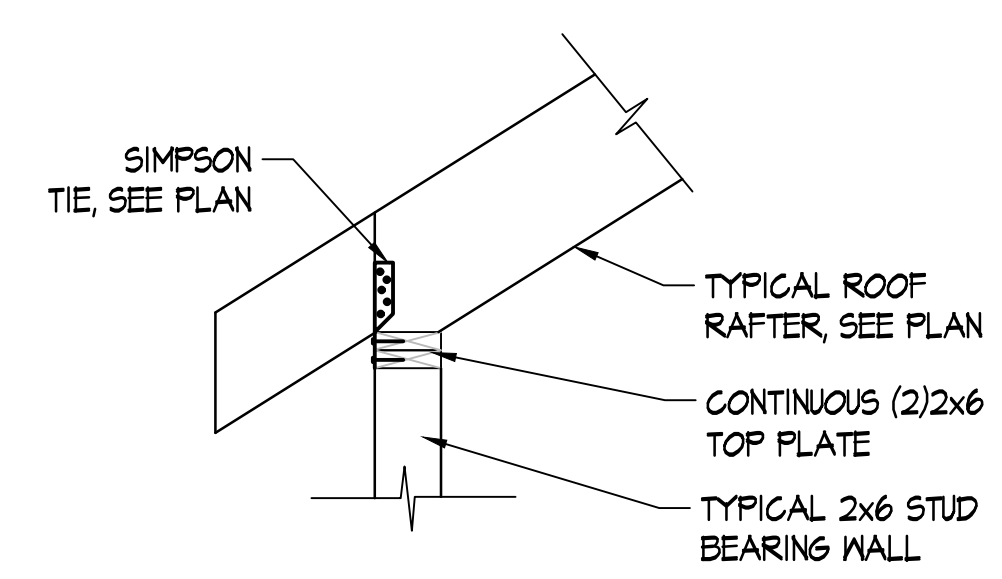
9 FRAMING SECTION
S2.0 SCALE: 3/4" = 1'-0"



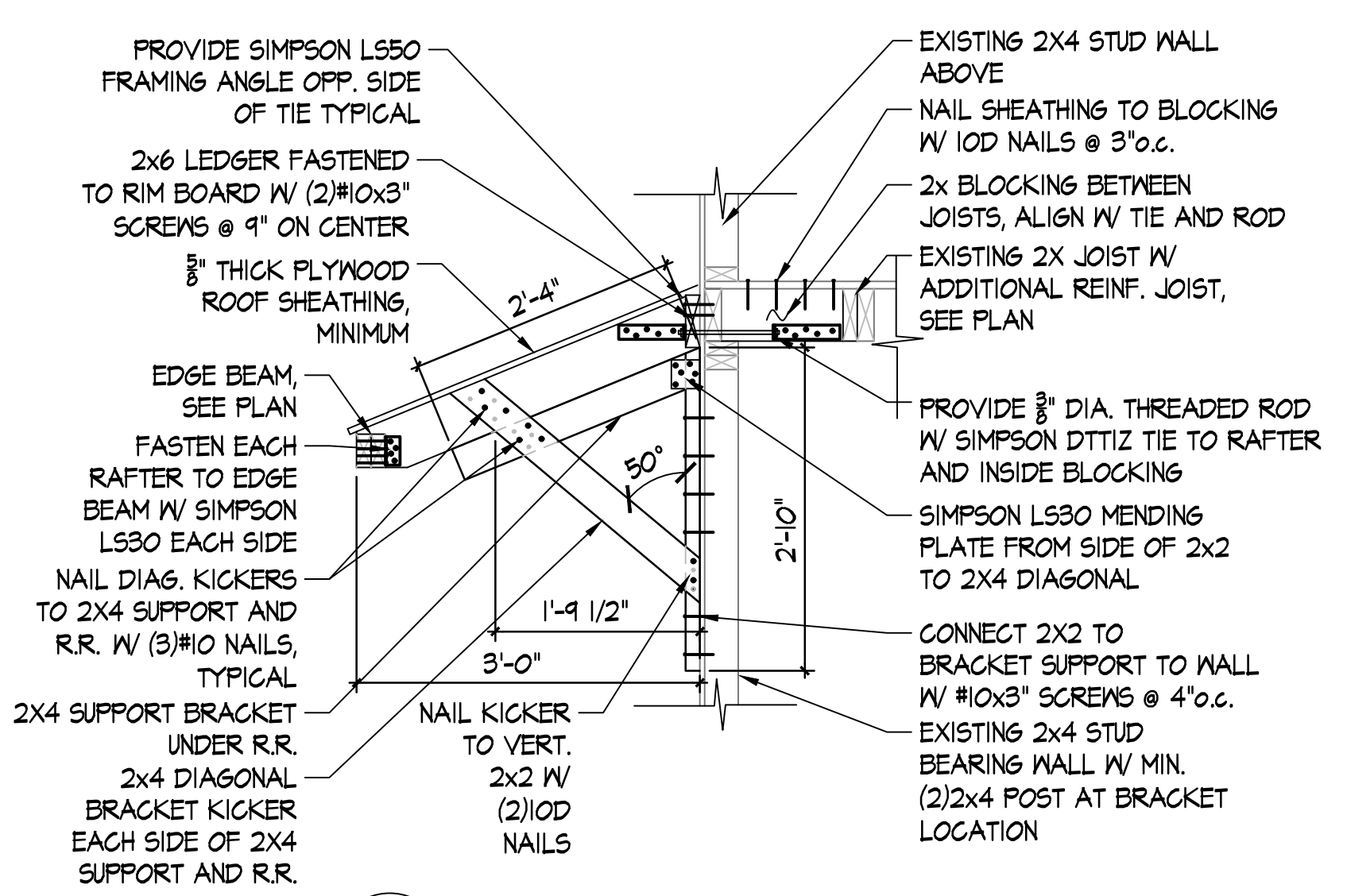
10 HANDRAIL @ COLUMN TYP.
S2.0 SCALE: 1" = 1'-0"



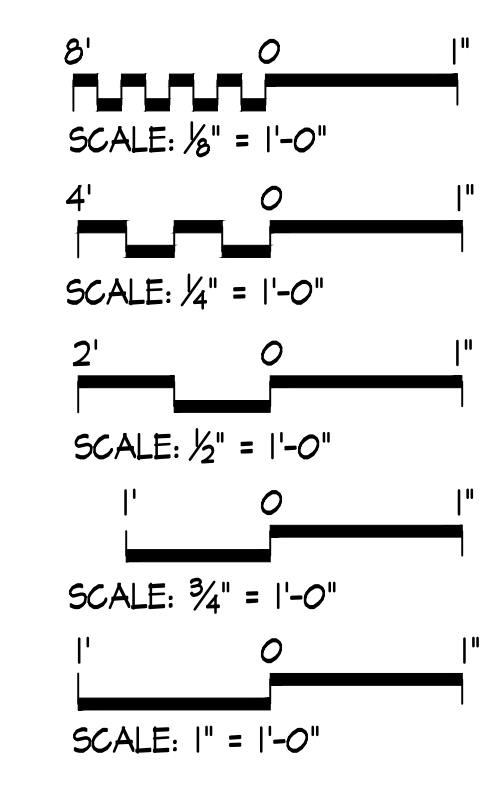
11 TYPICAL BEAM-COLUMN
S2.0 SCALE: 1" = 1'-0"



12 FRAMING SECTION
S2.0 SCALE: 3/4" = 1'-0"



13 FRAMING SECTION
S2.0 SCALE: 3/4" = 1'-0"
ALL EXTERIOR LUMBER TO BE TREATED



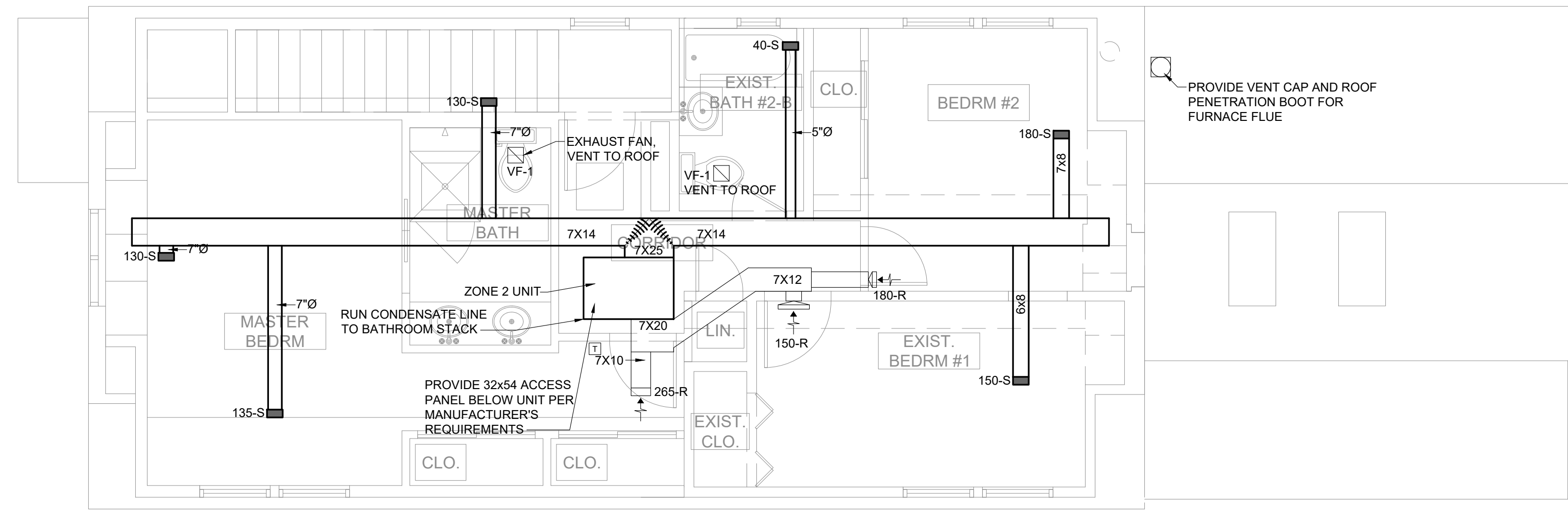
Chang Residence
3123 N. Kenmore Avenue
Chicago, IL

THE STRUCTURAL SHOP Ltd.
STRUCTURAL ENGINEERING
9601 River Street
Chicago, IL 60638
Schiller Park, IL 60184
Tel: 847.349.0099
Fax: 847.349.1088

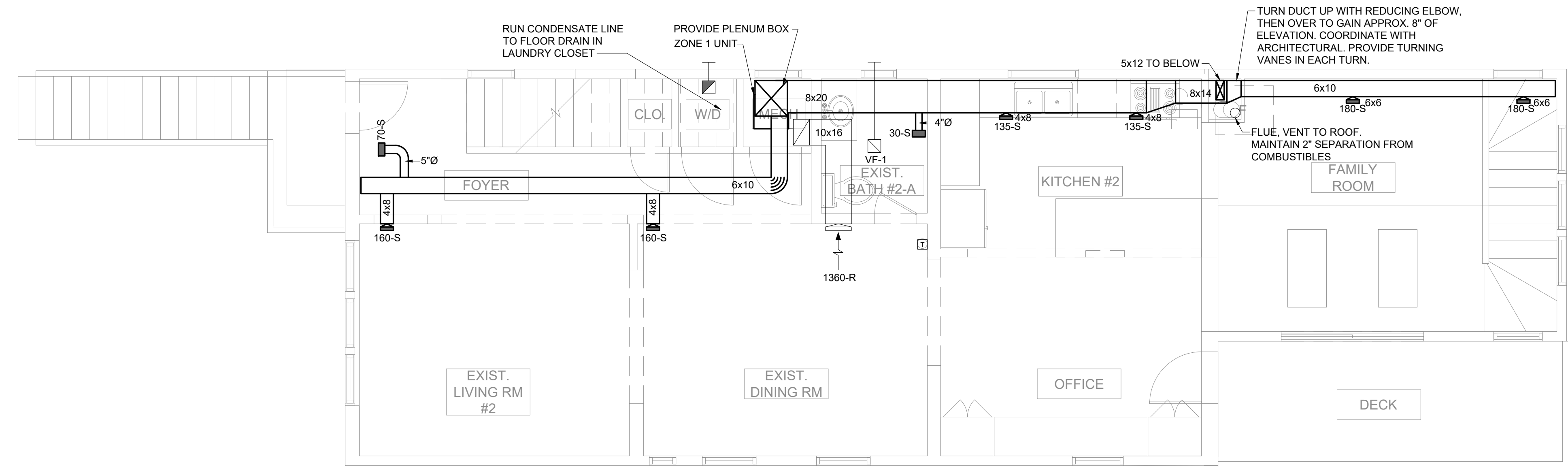


REVISIONS
REVIEW - 09/16/2019
REVIEW - 10/03/2019
REVIEW - 10/09/2019
PERMIT - 10/14/2019

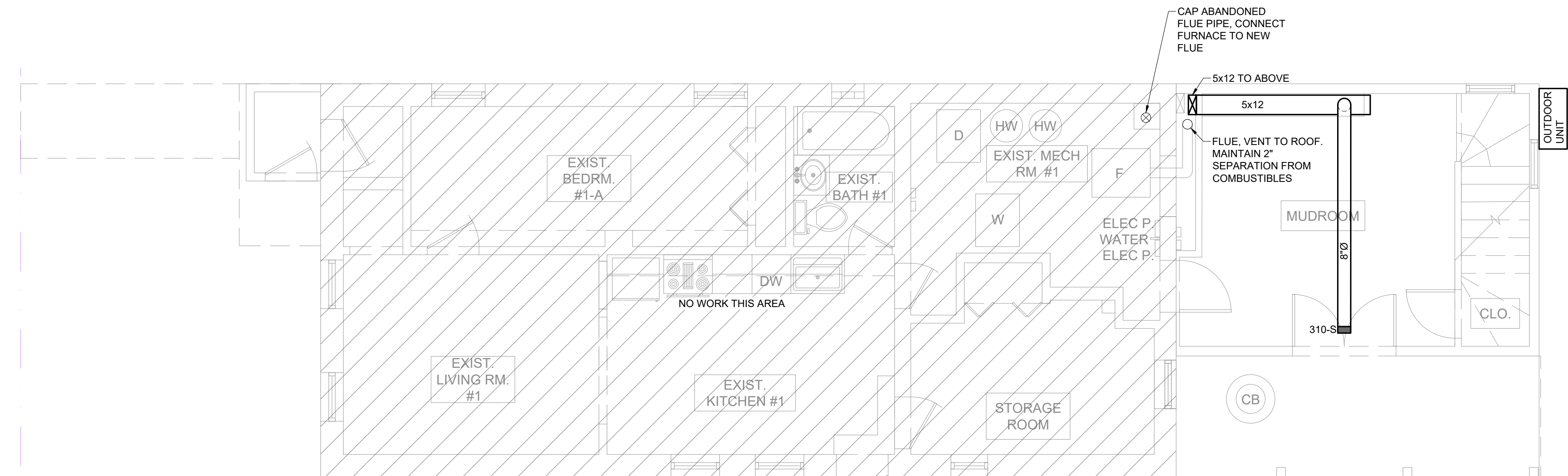
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Details	
DATE: 09/16/2019	SHEET NO. S2.0
DRAWN: AJ	JOB NO. 19390



1 THIRD FLOOR
SCALE: 1/4" = 1'-0"



2 SECOND FLOOR
SCALE: 1/4" = 1'-0"



3 FIRST FLOOR
SCALE: 1/4" = 1'-0"

DUCT MATERIALS + SPECIFICATIONS

DUCT MATERIALS SHALL BE PROVIDED AS DESCRIBED ON THE PLANS EXCEPT THAT GALVANIZED METAL DUCT MAY BE SUBSTITUTED FOR WIRE HELIX FLEXIBLE DUCT PER THE FOLLOWING TABLE:

- 5" ROUND METAL MAY SUBSTITUTE 6" FLEX
- 6" ROUND METAL MAY SUBSTITUTE 7" FLEX
- 7" ROUND METAL MAY SUBSTITUTE 8" FLEX

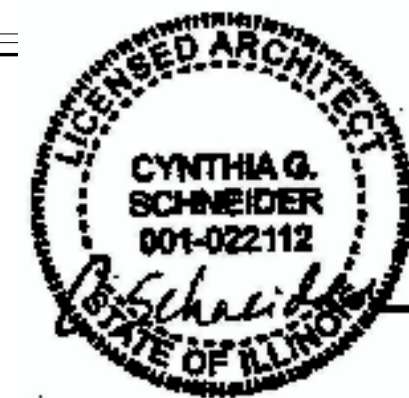
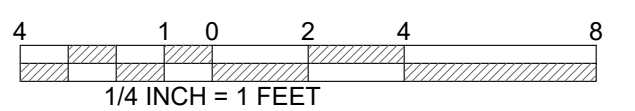
ALL DUCTS WITHIN THE ATTIC SHALL BE INSULATED ON THE EXTERIOR SURFACE WITH R-8 MIN. INSULATION.

FLEXIBLE WIRE HELIX DUCTS SHALL BE FULLY STRETCHED AND CUT TO NO MORE THAN 104% OF THE LENGTH OF THE STRAIGHT LINE DUCT RUN, EXAMPLE:

- A DUCT RUN MEASURES 25' IN A STRAIGHT LINE. DIRECTLY FROM TAKE OFF TO REGISTER.
- THE CUT LENGTH OF FULLY STRETCHED DUCT SHALL BE NO MORE THAN 104% OF 25'
- 25x1.04= 26' MAXIMUM LENGTH

MECHANICAL SYMBOL KEY

- 40-S ■ SUPPLY REGISTER - CEILING/FLOOR MOUNT
- SUPPLY REGISTER - TOE KICK/WALL MOUNT
- ← ⊞ RETURN GRILLE - WALL MOUNT
- 40-R ⊞ RETURN GRILLE - CEILING MOUNT
- METAL FLEX SUPPLY - METAL / FLEXIBLE HELIX
- METAL FLEX RETURN TRUNK - METAL
- ⊞ SUPPLY RISER
- ⊞ RETURN RISER
- ⊞ EXHAUST VENTED TO EXTERIOR
- ⊞ LAUNDRY OUTLET BOX
- ⊞ PROGRAMMABLE YORK CIW01 THERMOSTAT
- ⊞ ROOF VENT
- ⊞ TURNING VANES, (3) MIN.



PROJECT NAME: **CHANG RESIDENCE**
 PROJECT ADDRESS: **3123 N. KENMORE AVE. CHICAGO, IL**
 DRAWING TITLE: **MECHANICAL PLANS**

ISSUED FOR:
 PERMIT
 NOT FOR CONSTRUCTION
 DATE: 09.25.2019
 DRAWN BY: WS, JD

ELEMENTS ARCHITECTURAL GROUP, INC
 1040 NORTH BLVD, SUITE 220, OAK PARK, IL 60301
 www.elementsarchitects.com 708.848.4750

PROFESSIONAL DESIGN FIRM ARCHITECT CORPORATION. LICENSE # 184.005133 EXP. 04/30/2021

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M1-1

MECHANICAL SPECIFICATIONS AND GENERAL NOTES

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL CODES AND REQUIREMENTS OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS (ASHRAE), SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOC. (SMACNA), AND ALL OTHER APPLICABLE INDUSTRY STANDARDS SUCH AS ACCA MANUAL J, S, & D.

EQUIPMENT SHALL BE SIZED AND SELECTED BASED ON THE FOLLOWING: HIGHEST EFFICIENCY, LOWEST NOISE/VIBRATION LEVEL, AND DURABILITY. EFFICIENCY STANDARDS SHALL MEET OR EXCEED ALL APPLICABLE REQUIREMENTS.

THE MECHANICAL SYSTEM IS DESIGNED IN ACCORDANCE WITH IRC N1103.7 (R403.7), HEATING AND COOLING EQUIPMENT IS SIZED IN ACCORDANCE WITH ACCA MANUAL S, ACCA MANUAL D FOR DUCTS, BASED ON BUILDING LOADS CALCULATED IN ACCORDANCE WITH MANUAL J.

HEATING SYSTEM(S) SHALL BE CAPABLE OF MAINTAINING A MINIMUM INDOOR TEMPERATURE OF 68°F AT A POINT 3'-0" ABOVE THE FLOOR. THE MINIMUM WINTER DESIGN TEMPERATURE IS 2°F PER MANUAL J.

MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS ABOVE 105°F OR BELOW 55°F SHALL BE INSULATED TO A MINIMUM OF R-3.

DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED AGAINST LEAKAGE. TESTING IS NOT REQUIRED FOR DUCTS AND HANDLERS LOCATED WITHIN THE BUILDING THERMAL ENVELOPE PER IECC 403.2.2.

PROVIDE DUCTED AIR RETURNS FROM EACH BEDROOM.

ALL PERMIT FEES, LICENSES, APPROVALS AND OTHER ARRAIGNMENTS FOR WORK SHALL BE OBTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE. PROVIDE ALL TESTS REQUIRED BY LOCAL CODES.

CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF ALL OTHER TRADES, INCLUDING TRUSS MANUFACTURERS, AND MAKING NECESSARY MODIFICATIONS TO HIS WORK AT NO ADDITIONAL COST, INCLUDING ALL OFFSETS.

THE CONTRACTOR SHALL PROVIDE THE OWNER A LIST OF ALL HVAC EQUIPMENT AND CONTROL DEVICES INSTALLED AND INSTRUCTIONS AND MAINTENANCE INFORMATION ON HOW TO CARE AND USE THEM PROPERLY. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL WITH INSTALLER'S NAME, ADDRESS AND PHONE NUMBER.

CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR ONE YEAR AFTER COMPLETION AGAINST ALL DEFECTS OF MATERIAL, EQUIPMENT AND WORKMANSHIP.

AUTOMATIC THERMOSTAT(S) SHALL BE PROVIDED. THERMOSTAT INSTALLATION AND LOCATION(S) SHALL BE CONFIRMED WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.

CONDENSER REFRIGERANT PIPING IN THE STRUCTURE SHALL BE INSTALLED SO AS NOT TO TOUCH STRUCTURE, FRAMING OR WALL SURFACES. INSTALL FOAM RUBBER CUSHIONS AT PENETRATIONS TO SEPARATE PIPING FROM STRUCTURE.

PRE-INSTALLATION MEETING

PRIOR TO START OF WORK, THE CONTRACTOR SHALL HOLD A MEETING WITH THE ARCHITECT TO REVIEW ALL EQUIPMENT AND SUPPLY/ RETURN DIFFUSER LOCATIONS, AS WELL AS IDENTIFY ANY UNFORESEEN CONDITIONS THAT MAY AFFECT DUCT RUNS OR SIZES.

DUCT DISTRIBUTION SYSTEMS

(ABOVE-GROUND) SHALL CONFORM TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS. ALL DUCT WORK AND PLENUMS TO BE MADE OF GALVANIZED SHEET STEEL. DUCTS MAY BE RECTANGULAR OR ROUND WHERE DRAWINGS NOTE THE OPTION. FLEXIBLE DUCTS (WIRE HELIX) & DUCT BOARD SHALL NOT BE ACCEPTABLE UNLESS NOTED OTHERWISE. ALL PARTS OF THE DUCT SYSTEM SHALL BE TIGHTLY SEALED WITH MASTIC & FIBROUS BACKING TAPE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

WHERE UNFORESEEN CONFLICTS REQUIRE, THE CONTRACTOR MAY SUBSTITUTE ALTERNATE DUCT SIZES THAT MEET THE SAME REQUIREMENTS SET FORTH BY ACCA MANUAL J AND D, AND ARE SIZED WITH THE SAME FRICTION RATE USED TO SIZE THE ORIGINAL DUCT. CONTACT THE ARCHITECT WHEN UNFORESEEN CONFLICTS ARISE.

PROVIDE TURNING VANES (3 MIN.) AT EACH TURN OF ANY SUPPLY OR RETURN TRUNK.

PROVIDE VOLUME CONTROL DAMPERS AT THE TAKE OFF OF EACH SUPPLY BRANCH NEAREST THE TRUCK AS POSSIBLE.

PROVIDE RADIUS ELBOW FITTINGS AS SHOWN ON PLANS. WHERE NO VISUAL DEPICTION OR NOTE IS SHOWN, AND RADIUS ELBOW FITTINGS CANNOT BE ACCOMMODATED, SQUARE ELBOWS ARE PERMITTED.

DUCT INSULATION
INSULATE EXTERIOR OF ALL SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES, I.E. ATTICS AND CRAWL SPACES, WITH FIBROUS GLASS DUCT WRAP WITH FOIL-KRAFT FIRE RESISTANT VAPOR BARRIER JACKET. INSULATION AND JACKET SHALL BE INSTALLED WITH NO VOIDS OR PENETRATIONS. R VALUE FOR DUCTS IN UNCONDITIONED SPACES SHALL BE R-8 FOR SUPPLY DUCTS, R-6 FOR ALL OTHERS. DUCT INSULATION MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT HIGHER THAN 25, AND SMOKE DEVELOPED INDEX NOT OVER 50 PER ASTM E84 OR UL 723.

ACOUSTICAL INSULATION
INSULATE INTERIOR OF SUPPLY AND RETURN AIR DUCTWORK WITH 1" THICK ACOUSTICAL LINING WITHIN 20'-0" OF EQUIPMENT OR FAN INLET.

MAIN SUPPLY AIR DUCTS SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO EQUIPMENT.

ALL WARM AIR DUCT RUNS SHALL HAVE LOCKING TYPE DAMPERS.

NO STAMPED GRILLS WILL BE PERMITTED FOR REGISTERS OR DIFFUSERS. ALL DIFFUSERS AND REGISTERS SHALL BE MANUALLY ADJUSTABLE, WITH DOUBLE DEFLECTION AND OPPOSED BLADE DAMPERS, UNLESS NOTED OTHERWISE. VERIFY SELECTION AND FINISH WITH ARCHITECT.

CONTRACTOR SHALL TEST AND BALANCE THE HVAC SYSTEM(S) AND REPAIR OR REPLACE AS REQUIRED. DUCTS SHALL BE THOROUGHLY CLEANED AND FILTERS REPLACED PRIOR TO TESTING.

EXHAUST AND INTAKE AIR

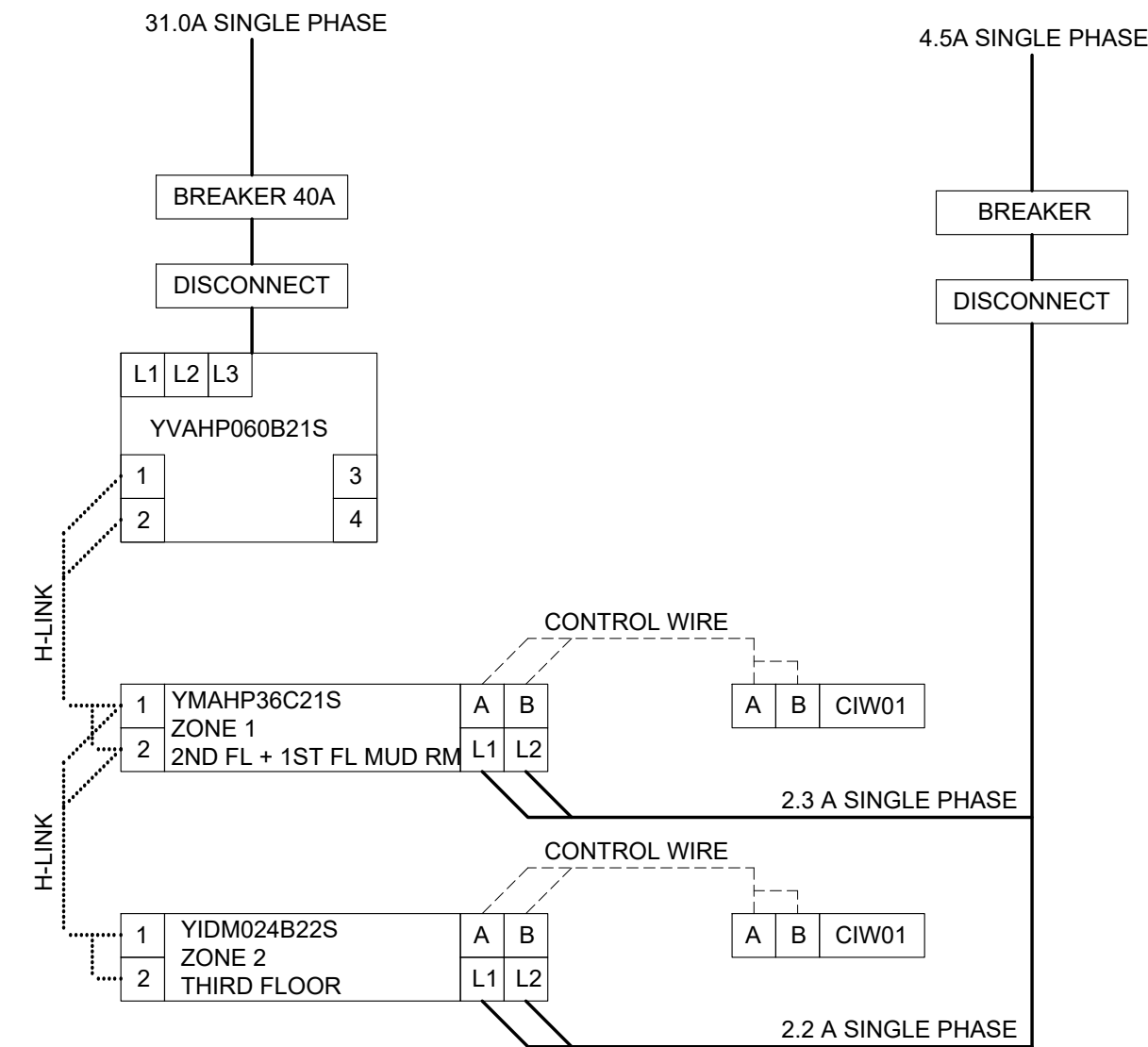
COMBUSTION AIR SHALL BE PROVIDED PER CODE. COORDINATE WITH ARCHITECT ANY VISIBLE OR EXPOSED PORTIONS OF COMBUSTION AIR DUCTING OR VENTING PRIOR TO ROUGH WORK.

INTAKE OPENINGS SHALL BE LOCATED MINIMUM 10'-0" FROM HAZARDOUS OR NOXIOUS CONTAMINANT SUCH AS VENTS, CHIMNEYS, PLUMBING VENTS, KITCHEN AND BATHROOM EXHAUST IS NOT CONSIDERED HAZARDOUS OR NOXIOUS (R305.5.1)

WHERE FAN SYSTEMS EXHAUSTING AIR FROM THE BUILDING DO NOT HAVE INTEGRAL BACK DRAFT DAMPERS, THEY SHALL BE PROVIDED WITH BACK DRAFT DAMPERS.

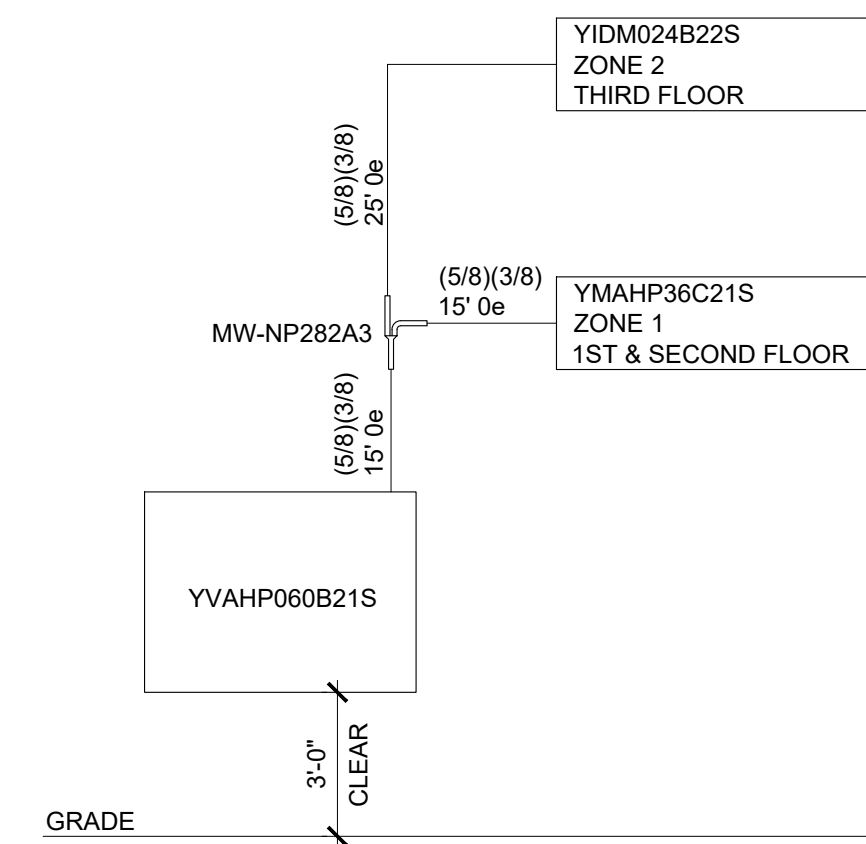
EXHAUST OPENINGS SHALL TERMINATE NOT LESS THAN 3'-0" FROM PROPERTY LINE, 3'-0" FROM OPERABLE OR NON-OPERABLE OPENINGS AND 10'-0" FROM MECHANICAL AIR INTAKES EXCEPT WHERE OPENING IS LOCATED 3'-0" ABOVE AIR INTAKE.

ALL FURNACES, CONDENSERS, FANS OR OTHER NOISE-PRODUCING EQUIPMENT INSTALLED INSIDE OR ON THE BUILDING STRUCTURE SHALL BE MOUNTED AND ISOLATED SO AS TO MINIMIZE SOUND TRANSMISSION TO FINISHED AREAS. USE RIBBED NEOPRENE PADS, SOUND ISOLATORS, SPRING HANGERS AND/OR EQUIVALENT VIBRATION REDUCING DEVICES TO ISOLATE EQUIPMENT FROM STRUCTURE.



1 HVAC WIRING DIAGRAM
SCALE: N.T.S.

NOTE: WINDY CITY REPS CAN ASSIST WITH ORDERING AND SUPPLY OF YORK SYSTEM. TEY MAY BE CONTACTED AT 312-919-2873 OR AT rrajczak@windycityreps.com



2 SPLIT SYSTEM DIAGRAM
SCALE: N.T.S.

EXHAUST FAN SCHEDULE

TAG	QTY.	LOCATION	MANUFACTURER	MODEL NO.	TYPE	DRIVE	DUCT DIA. INCHES	STD. AIR CFM	E.S.P. IN W.G.	FAN R.P.M.	MOTOR			WGT. LBS.
											B.H.P.	H.P.	V/PH/Hz	
VF-1	3	SEE PLAN	PANASONIC	FV-08-11VFM5	FAN	DIRECT	4"	110	0.1	955		27	120/1/60	13

ELECTRIC DUCT HEATER SCHEDULE

NAME	UNIT TYPE	INDOOR UNIT MODEL NUMBER	TEMPERATURE RISE	CAPACITY	VOLTAGE	FLA	AIR FLOW (CFM)
ZONE 1	MULTI-POSITION AHU (C - CABINET)	YMAHP36C21S	24.2	9 KW	120V/1PH/60HZ	75.0*	1186
ZONE 2	STANDARD DUCTED	YDM024B22S	21.0	5 KW	120V/1PH/60HZ	41.7	759

*PROVIDE REMOTE MOUNTED CONTROL PANEL PER CHICAGO ELECTRIC CODE

OUTDOOR UNIT CAPACITY SCHEDULE

OUTDOOR UNIT 1	MANUFACTURER: YORK		DUCT 2 PIPE	NON-DUCT 2 PIPE	MIXED 2 PIPE
	MODEL NUMBER	YVAHP060B21S	8993411	8930731	9101234
COOLING	CAPACITY	BTU/H	55000.00	60000.00	57500.00
	EER	BTU/WH	9.55	11.90	10.70
	IEER	BTU/WH			
HEATING	CAPACITY 47F	BTU/H	64000.00	64000.00	64000.00
	COP47F	W/W			
	CAPACITY 17F	BTU/H	42000.00	42000.00	42000.00
	COP17F	W/W			
COOLING & HEATING	SCHE	BTU/WH			

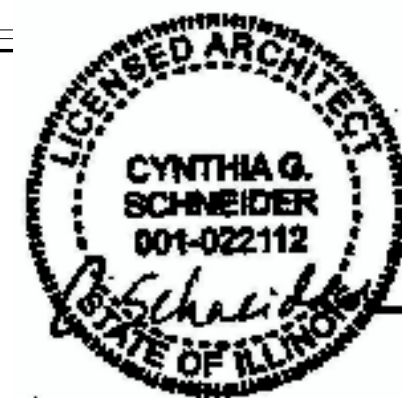
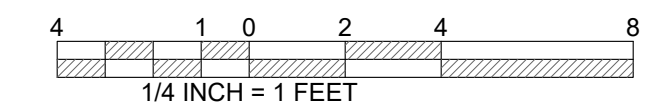
DESIGN CONDITIONS	
OUTDOOR UNIT 1	YVAHP060B21S
COOLING DB (F)	95.0
HEATING DB (F)	-4.0
HEATING WB (F)	-4.0
CONNECTION %	100%
TOTAL COOLING MBH	45.9
SENSIBLE COOLING MBH	39.0
HEATING MBH	27.8

CONTROLLER DETAILS		
LINK	SYSTEM	CONTROLLER
H-LINK II	ZONE 1 - 2ND FL + 1ST FL MUD RM (YMAHP36C21S) - (YVAHP060B21S)	ZONE CONTROLLER (CIW01)
SYSTEM 1	ZONE 2 - 3RD FLOOR (YDM024B22S) - (YVAHP060B21S)	ZONE CONTROLLER (CIW01)

INDOOR UNIT SCHEDULE

MANUFACTURER: YORK										
OUTDOOR UNIT MODEL NUMBER	NAME	UNIT TYPE	INDOOR UNIT MODEL NUMBER	COOLING DRY BULB TEMP (F)	COOLING WET BULB TEMP (F)	HEATING DRY BULB TEMP (F)	TOTAL COOLING CAPACITY (MBH)	SENSIBLE COOLING CAPACITY (MBH)	TOTAL HEATING CAPACITY (MBH)	AIR FLOW (CFM)
OUTDOOR UNIT 1 YVAHP060B21S	ZONE 1	MULTI-POSITION AHU (C - CABINET)	YMAHP36C21S	75.0	63.0	70.0	27.6	22.8	16.7	1186
	ZONE 2	STANDARD DUCTED	YDM024B22S	75.0	63.0	70.0	18.4	16.2	11.1	759
ADDITIONAL REFRIGERANT (lbs):			1.8	TOTAL (MBH)			45.9	39	27.8	

NOTE: FOR THE ZONE 2 AIR HANDLER, UTILIZE THE HIGH PRESSURE SETTING.



PROJECT NAME: **CHANG RESIDENCE**
 PROJECT ADDRESS: **3123 N. KENMORE AVE. CHICAGO, IL**
 DRAWING TITLE: **MECHANICAL NOTES AND SCHEDULES**

ISSUED FOR: PERMIT
 NOT FOR CONSTRUCTION
 DATE: 09.25.2019
 DRAWN BY: WS, JD

ELEMENTS ARCHITECTURAL GROUP, INC
 1040 NORTH BLVD, SUITE 220, OAK PARK, IL 60301
 www.elementsarchitects.com 708.848.4750

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ELECTRICAL SPECIFICATIONS AND GENERAL NOTES

THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM.

MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION.

MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR OTHER RECOGNIZED TESTING LAB.

EXCEPT AS PROVIDED BY THE ARCHITECT IN THESE DRAWINGS, THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE ELECTRICAL WORK.

THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES, OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.

THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE SITE AND BECOME FAMILIAR WITH THE BUILDING CONDITIONS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.

GENERAL CONTRACTOR SHALL CONFIRM ARRANGEMENTS FOR ANY TEMPORARY POWER AND TELEPHONE SERVICE NEEDED DURING CONSTRUCTION, WITH OWNER PRIOR TO START OF WORK.

ALL MATERIALS, AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.

ALL WIRING, LIGHTING CONTROLS, WIRING DEVICES AND LIGHT FIXTURES SHALL BE NEW.

WIRING SHALL BE COPPER, IN FLEXIBLE OR RIGID CONDUIT AS SPECIFIED BY CODE.

PROVIDE DIRECT WIRED AND INTERCONNECTED UL APPROVED SMOKE AND CARBON MONOXIDE DETECTORS WITH BATTERY BACK-UP AS INDICATED ON THE DRAWINGS OR PER LOCAL CODE. CONFIRM LOCATIONS WITH ARCHITECT PRIOR TO WIRING.

SUBMIT PRODUCT INFORMATION FOR LIGHT FIXTURE SELECTIONS, LIGHTING CONTROLS, AND WIRING DEVICES FOR ARCHITECT APPROVAL PRIOR TO ORDERING.

PRE-INSTALLATION MEETING:
ROUGH-IN BOXES AND HOUSINGS PER PLAN FOR ALL OUTLETS, SWITCHES, FIXTURES, TELEPHONE/DATA, TELEVISION, STEREO, ETC. FOR ARCHITECT AND OWNER WALKTHROUGH TO CONFIRM FINAL LOCATIONS AND LAYOUT. THE WALKTHROUGH IS TO BE HELD PRIOR TO INSTALLING CONDUIT OR PULLING WIRE. THE CONTRACTOR WILL BE RESPONSIBLE FOR RELOCATING DEVICES AND FIXTURES IF WALKTHROUGH IS NOT PERFORMED AS REQUIRED.

UNLESS NOTED OTHERWISE, CONDUIT SHALL BE CONCEALED IN WALL OR CEILING CAVITIES. ANY EXCEPTIONS ARE TO BE REVIEWED WITH AND CONFIRMED IN WRITING WITH THE ARCHITECT.

LIGHTING CONTROL AND WIRING DEVICES
ALL RECEPTACLES (OUTLETS) SHALL BE 15A OR 20A TYPE, OR APPROVED EQUAL, UNLESS NOTED OTHERWISE.

ALL SWITCHES SHALL BE RATED FOR LED FIXTURES.

WHERE PLANS LOCATE MULTIPLE SWITCHES AND/OR OUTLETS ADJACENT TO ONE ANOTHER, USE MULTI-GANG WALL PLATE AS REQUIRED FOR THE NUMBER OF SWITCHES AND/OR OUTLETS.

CONFIRM COLOR OF ALL SWITCHES, OUTLETS AND WALLPLATES WITH OWNER PRIOR TO ORDERING.

WALL RECEPTACLES AND OTHER DEVICE OUTLETS ARE TO BE MOUNTED HORIZONTALLY 8" A.F.F. TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.

FINAL HEIGHT AND LOCATION OF TELEVISION/ CABLE JACKS AND RECEPTACLES ARE TO BE COORDINATED WITH OWNER.

LIGHT SWITCHES ARE TO BE MOUNTED VERTICALLY 3'-6" (42") TO CENTER A.F.F.. THERMOSTATS, ALARM PANELS, AND MISCELLANEOUS CONTROLS ARE TO BE MOUNTED 4'-8" (56") TO CENTER A.F.F. TYPICAL, UNLESS NOTED OTHERWISE.

INSTALL GROUND FAULT CIRCUIT INTERRUPTER (G.F.C.I.) RECEPTACLE OUTLETS LOCATED WITHIN 6'-0" FROM A SINK.

ALL EXTERIOR OUTLETS SHALL BE G.F.C.I. WITH WEATHERPROOF ENCLOSURES. ENCLOSURE SHALL BE WEATHERPROOF WITH THE ATTACHMENT PLUG INSERTED.

ALL BRANCH CIRCUITS THAT SUPPLY RECEPTACLE OUTLETS IN BEDROOMS SHALL BE PROTECTED BY ARC-FAULT CIRCUIT INTERRUPTERS.

RECEPTACLE OUTLETS AT THE KITCHEN AND PANTRY COUNTERS SHALL BE SERVED BY AT LEAST TWO 20 AMP SMALL APPLIANCE BRANCH CIRCUITS.

PROVIDE AT LEAST ONE RECEPTACLE OUTLET AT BATHROOMS AND LAUNDRY AREAS SERVED BY A 20 AMP BRANCH CIRCUIT. NO OTHER OUTLETS SHALL BE ON THIS CIRCUIT.

PROVIDE FINAL CONNECTIONS TO MOTORS WITH LIQUID TIGHT FLEXIBLE STEEL CONDUIT. PROVIDE LOCAL DISCONNECT SWITCHES FOR ALL MOTORS.

LIGHTING
A MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.

ALL LIGHTING FIXTURES TO BE DIMMABLE UNLESS NOTED OTHERWISE.

LIGHTING FIXTURES LOCATED IN "WET" OR "DAMP" LOCATIONS SHALL BE RATED AND LABELED AS SUCH.

LIGHT FIXTURES ABOVE BATHTUBS AND SHOWERS SHALL BE G.F.C.I. PROTECTED.

ALL RECESSED FIXTURE TRIMS SHALL BE GASKETED AND TIGHT FITTING TO PREVENT LIGHT LEAKS.

RECESSED FIXTURES INSTALLED IN DIRECT CONTACT WITH INSULATION SHALL HAVE A U.L. LISTED HOUSING FOR DIRECT CONTACT WITH INSULATION AND COMBUSTIBLE MATERIALS.

LIGHT FIXTURES INDICATED "BY OWNER" ARE TO BE INSTALLED BY CONTRACTOR. IF FIXTURES ARE NOT AVAILABLE AT TIME OF INSPECTION A TEMPORARY COVERPLATE SHALL BE PROVIDED IF REQUIRED.

TELEPHONE / DATA/ CABLE
COORDINATE LOCATIONS AND WIRING REQUIREMENTS WITH OWNER. PROVIDE MAIN DISTRIBUTION PANEL LOCATED IN THE BASEMENT.

TERMINATE ALL OF THE SERVICE PROVIDERS (TELEPHONE, DSL, CABLE TV) INTO THE DISTRIBUTION PANEL.

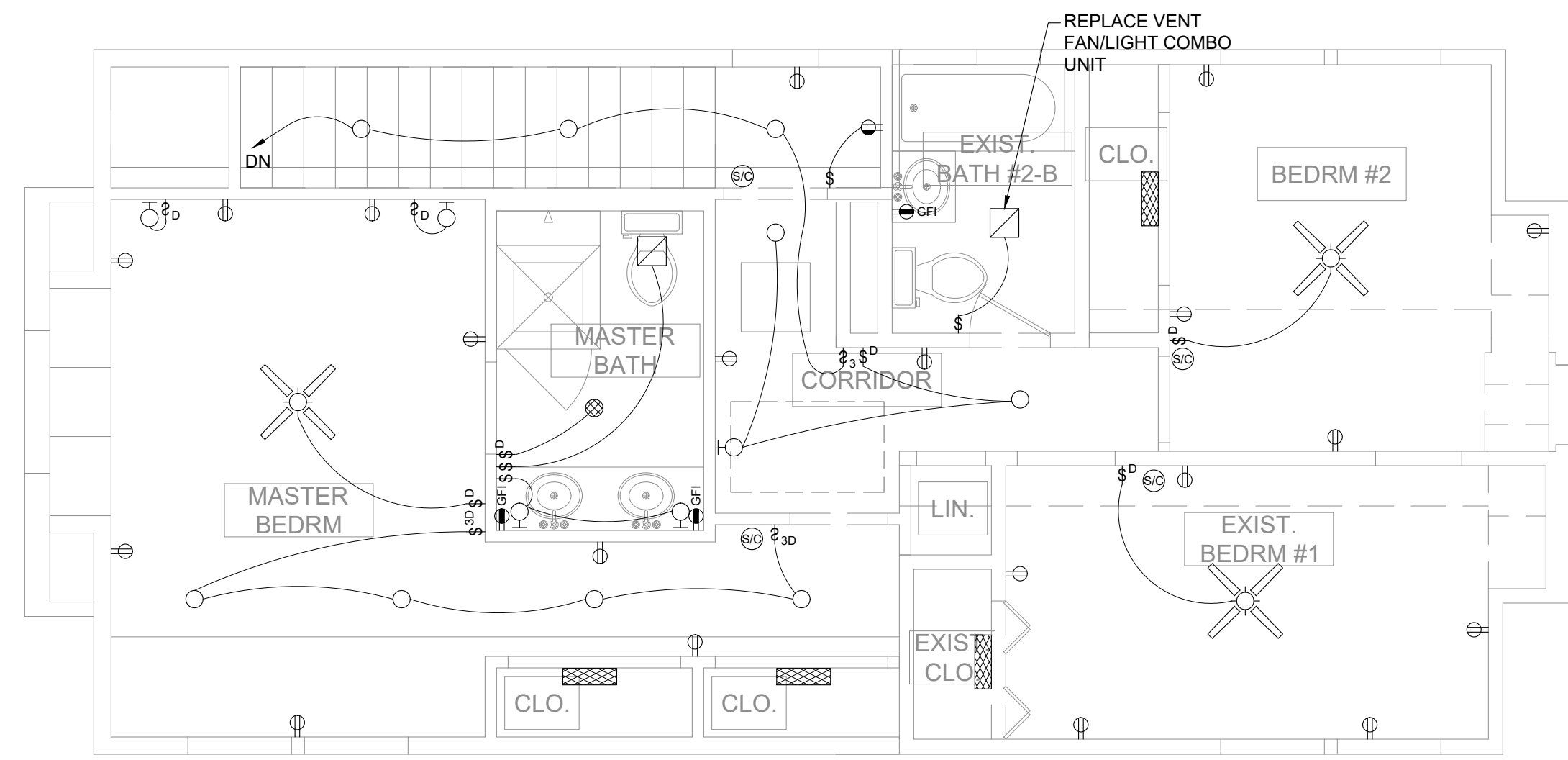
SECURITY SYSTEM, AUDIO/VISUAL AND LANDSCAPE LIGHTING (BY OTHERS), NOTIFY OWNER OF CRITICAL PATH ITEMS PRIOR TO ENCLOSING WALLS AND CEILINGS.

CLOSET LIGHT FIXTURES SHALL BE FLOURESCENT LIGHTS WITH A MIN. 6" CLEARANCE BETWEEN FIXTURE AND NEAREST POINT OF STORAGE SPACE PER NEC 410.8.

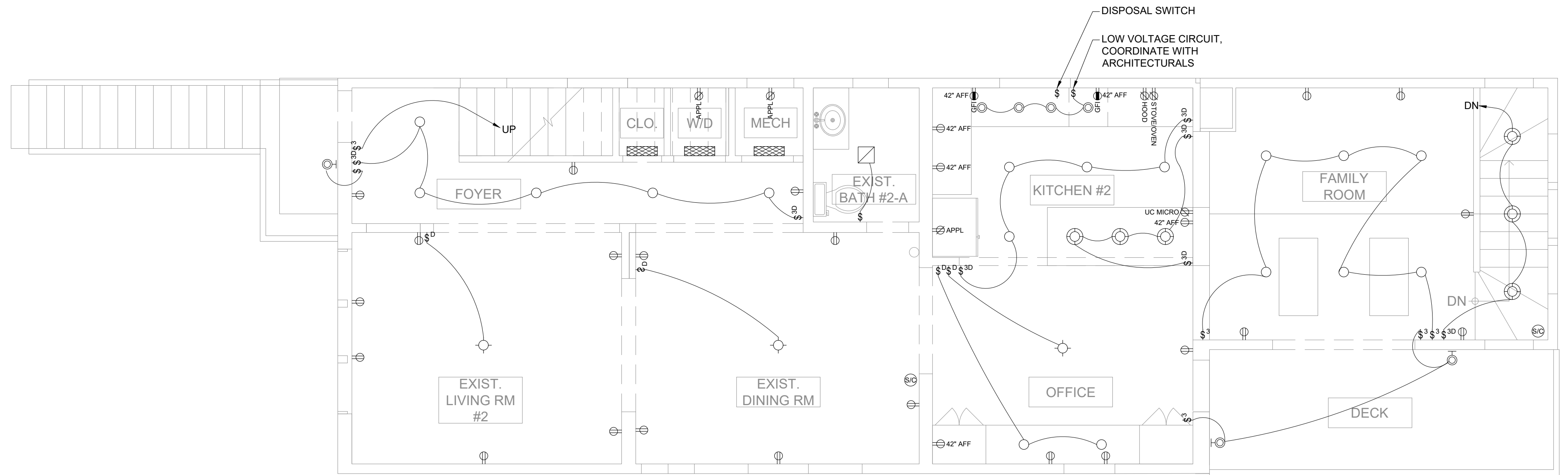
ALL EXISTING "BX" WIRING SHALL BE REMOVED AND REPLACED WITH NEW CONDUCTORS IN CONDUIT.

LIGHT FIXTURES		
TAG	SYMBOL	DESCRIPTION
F1	○	6" RECESSED LED CAN
F2	⊗	6" RECESSED LED CAN (WET LOCATION OR CLOSET)
F3	⊠	PULL CHAIN CLOSET LIGHT
F4	○	WALL SCONCE
F5	○	WALL SCONCE (EXTERIOR)
F6	○	CEILING MOUNTED FIXTURE
F7	○	PENDANT FIXTURE
F8	⊗	CEILING FAN W/ LIGHT KIT SELECTION BY OWNER OR ARCHITECT
F9	○	LOW VOLTAGE LED PUCKLIGHT, SEE ARCH.
MISCELLANEOUS DEVICES		
	⊗	COMBO SMOKE / C.O. DETECTOR, INTERCONNECTED
	⊠	CIRCUIT PANEL
VENTILATION FANS		
VF1	⊠	CEILING VENTILATION FAN PANASONIC: FV-08-11VFM5 110CFM - MOTION SENSOR
WIRING DEVICES		
	⊖	DUPLEX OUTLET, COLOR AND STYLE BY ARCHITECT
	⊖	SWITCHED DUPLEX OUTLET
	⊖ GFI	DUPLEX OUTLET WITH GROUND OR ARC FAULT INTERRUPTER
	⊖ APPL	APPLIANCE
	⊖	QUAD OUTLET
	⊖ WP	WEATHERPROOF G.F.C.I. OUTLET TAYMAC MX3200 GRAY, OR APPROVED EQUAL
	§ § § §	SWITCH (3-WAY, 4-WAY) COLOR AND STYLE BY ARCHITECT
	§ ^D	DIMMER SWITCH COLOR AND STYLE BY ARCHITECT

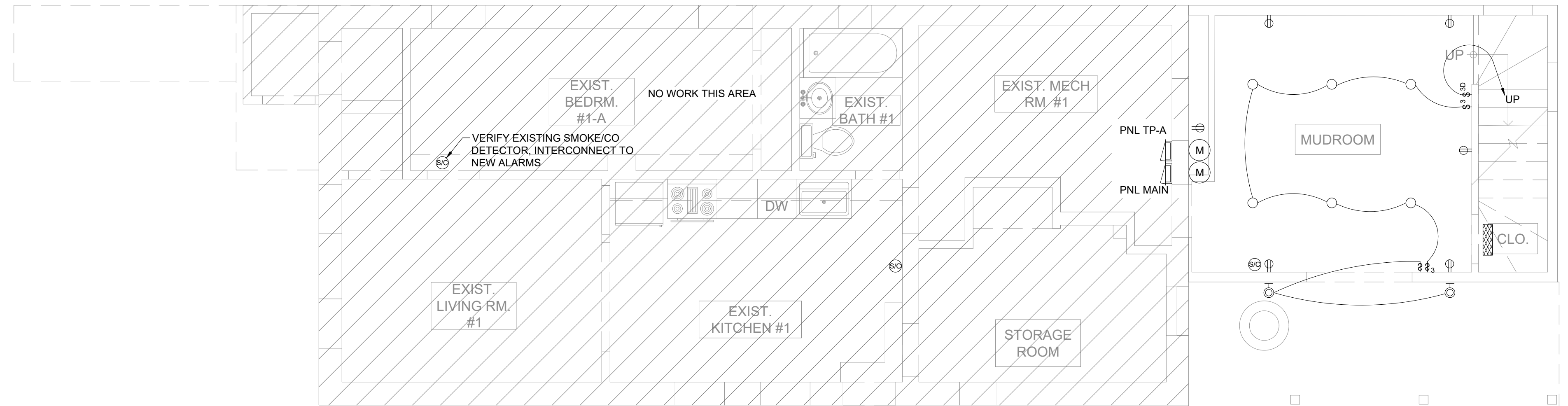
ALL COLOR, STYLE, AND FIXTURE SELECTIONS BY OWNER OR ARCHITECT, UNLESS OTHERWISE NOTED



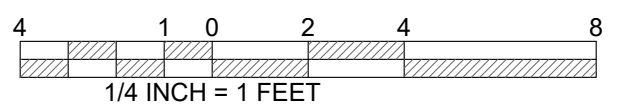
1 THIRD FLOOR
SCALE: 1/4" = 1'-0"



2 SECOND FLOOR
SCALE: 1/4" = 1'-0"



3 FIRST FLOOR
SCALE: 1/4" = 1'-0"



PROJECT NAME: **CHANG RESIDENCE**
3123 N. KENMORE AVE. CHICAGO, IL

PROJECT ADDRESS:

DRAWING TITLE: **ELECTRICAL PLANS**

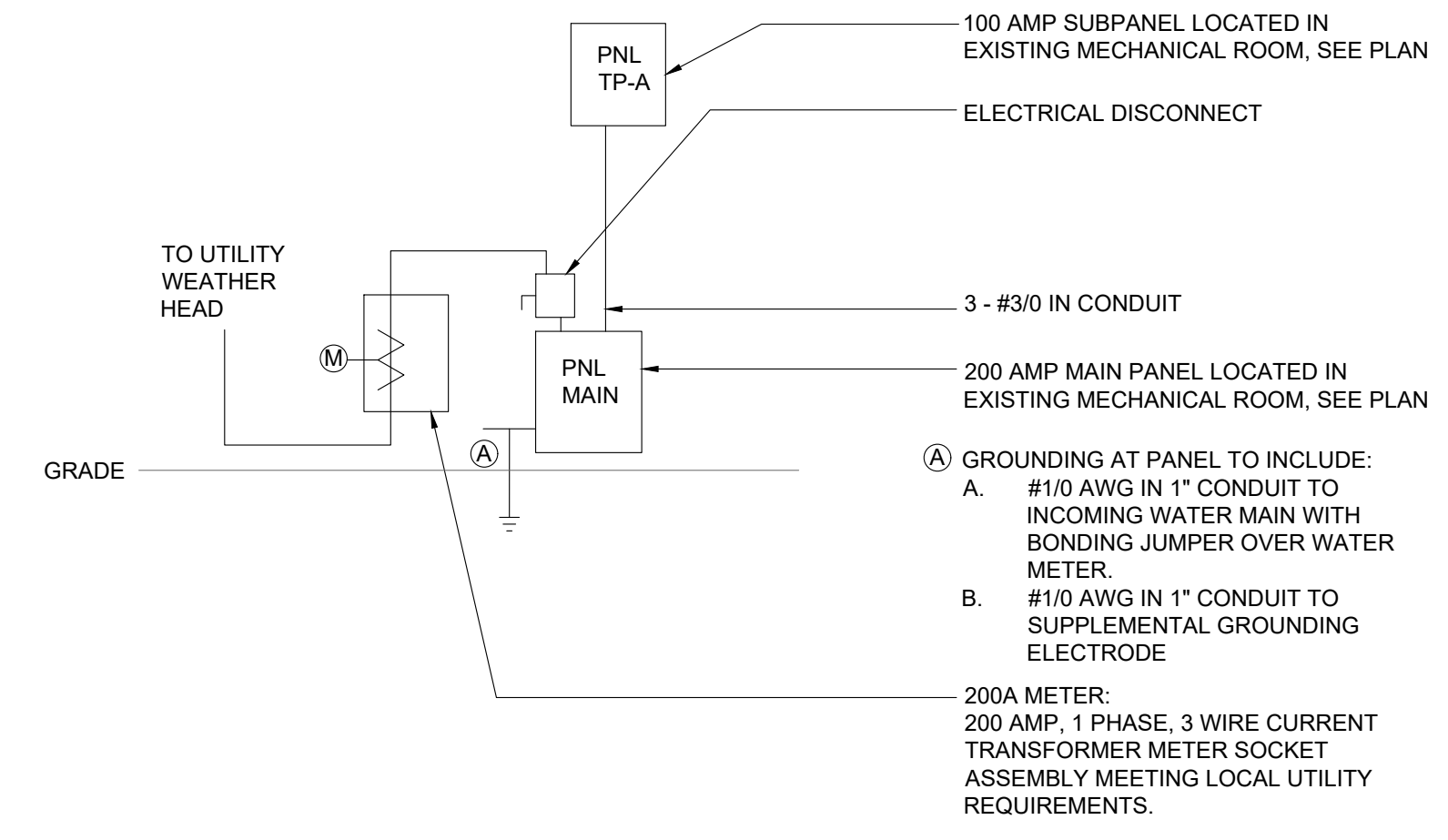
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DATE: 09.25.2019

DRAWN BY: WS, JD

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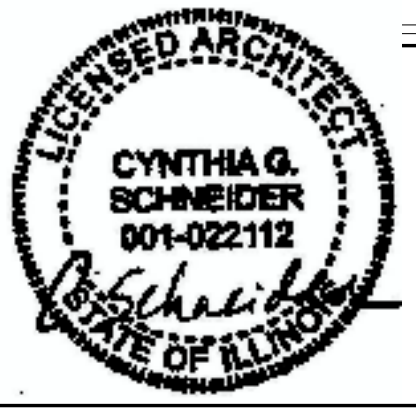
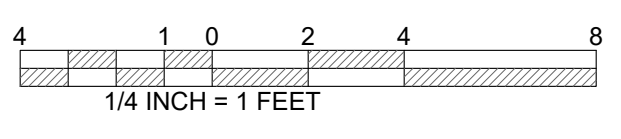
ELECTRICAL SERVICE SIZE CALCULATION			
PROJECT DATA:			
PROJECT NAME:	CHANG RESIDENCE		
ADDRESS:	3123 N. KENMORE AVE, CHICAGO IL		
BLDG EXTERIOR DIMENSIONS:			
LENGTH:			
WIDTH:			
TOTAL NUMBER OF FLOORS:	3		
TOTAL NUMBER OF DWELLING UNITS:	2		
TYPE OF SERVICE:	1 PHASE, 3 WIRE, 120/240 VOLTAGE		
SERVICE OCP:	200 AMPS		
GENERAL LIGHTING LOAD:			
TOTAL SQ.FT.:	3,212	X 3 WATTS/SF	= 9,636 WATTS
APPLIANCE CKTS/APT:	2	X WATTS/CKT: 1500 X NO. OF APTS: 2	= 6,000 WATTS
LAUNDRY CKTS/APT:	1	X WATTS/CKT: 1500 X NO. OF APTS: 2	= 3,000 WATTS
*(MINIMUM 2 CKTS/APT)			
SUB-TOTAL GENERAL LIGHTING LOAD:	= 18,636 WATTS		
DEMAND 220.11:			
FIRST 20,000 WATTS OF GEN. LTG LOAD @ 100%	= 18,636 WATTS		
NEXT 100,000 WATTS OF GEN. LTG LOAD @ 35%	= 0 WATTS		
TOTAL GENERAL LOAD	= 18,636 WATTS		
APPLIANCE LOADS 220.17, 220.18, 220.19:			
PER TABLE 18-27-220.19 COLUMN A			
NO. OF ELEC. RANGES:	0	@ - WATTS EACH @ 100% DEMAND	= - WATTS
NO. OF ELEC. OVENS:	0	@ 4800 WATTS EACH @ 100% DEMAND	= - WATTS
NO. OF GARBAGE DISPOSALS:	2	@ 1080 WATTS EACH @ 100% DEMAND	= 2,160 WATTS
NO. OF DISHWASHERS:	2	@ 1200 WATTS EACH @ 100% DEMAND	= 2,400 WATTS
NO. OF REF/FRZ:	2	@ 1500 WATTS EACH @ 100% DEMAND	= 3,000 WATTS
NO. OF STEAM UNIT:	-	@ 9600 WATTS EACH @ 100% DEMAND	= - WATTS
NO. OF FURNACES:	1	@ 1656 WATTS EACH @ 100% DEMAND	= 1,656 WATTS
NO. OF CONDENSING UNITS:	2	@ 7200 WATTS EACH @ 100% DEMAND	= 14,400 WATTS
TOTAL:	= 23,616 WATTS		
NOTE: HEATING COIL LOADS, BASEBOARD HEATER LOADS, AND AIR CONDITIONER LOADS ARE NON-COINCIDENTAL. ONLY THE LARGER OF THESE LOADS WILL BE REPRESENTED IN THE TOTAL LOAD.			
TOTAL LTG & APPLIANCE LOAD:	= 42,252 WATTS		
TOTAL LTG & APPLIANCE WATTS:	42,252	/ 240 =	176.0 AMPS = 200 AMP SERVICE



1 ELECTRICAL RISER DIAGRAM
SCALE: N.T.S.

PANELBOARD SCHEDULE								
DESIGNATION: MAIN				MAIN TYPE: MCB				
VOLTAGE: 120/240, 1PH, 3 WIRE				BUS AMPS: 200 AMPS				
FED FROM: MAIN				LOCATION: EXISTING TO REMAIN				
CKT NO.	LOAD DESCRIPTION	AMPS /POLE	PHASE A	PHASE B	AMPS /POLE		CKT NO.	
1	1ST FLOOR BEDROOM	20/1	525 120		20/1		1ST FLOOR BATH	2
3	1ST FLOOR LIVING ROOM	15/1		525 420	15/1		1ST FLOOR STORAGE ROOM	4
5	1ST FLOOR KITCHEN APPL.	20/1	510 480		20/1		1ST FLOOR MECH. ROOM	6
7	1ST FLOOR KITCHEN	20/1		2400 762	15/1		MUDROOM	8
9	BOOSTER PUMP	20/1	745 1656		20/1		FURNACE	10
11	FOYER & STAIR	15/1		690 150	20/1		2ND FLOOR BATH	12
13	2ND FLOOR LIVING	20/1	570 570		20/1		2ND FLOOR DINING	14
15	2ND FLOOR KITCHEN	20/1		408 540	20/1		2ND FLOOR OFFICE	16
17	2ND FLOOR KITCHEN APPL.	20/1	2400 750		20/1		2ND FLOOR FAMILY ROOM	18
19	3RD FLOOR BATH	20/1		150 180	20/1		MASTER BATH	20
21	MASTER BEDROOM	20/1	855 489		20/1		3RD FLOOR BEDROOM 1	22
23	3RD FLOOR BEDROOM 2	20/1		465				24
25								26
27				229				28
29	3RD FLOOR DUCT HEATER	45/1	5004 229		15/2		2ND FLOOR AIR HANDLER	30
31	2ND FLOOR DUCT HEATER	75/1		9000 132	15/2		3RD FLOOR AIR HANDLER	32
33	EXTERIOR LIGHTS	15/1	1800 132					34
35	CONDENSER (EXISTING)	25/2		1800 3224	40/2		CONDENSER (NEW VRF SYSTEM)	36
37			1800 3224					38
TOTAL VA PER PHASE			21859	21075	TOTAL VA THIS PANEL: 42,934			
			TOTAL PANEL LOAD : 42.9 kVA, 178.9 AMPS					

NOTES:
 PANELBOARD SCHEDULE SHOWN FOR DESIGN INTENT AND LOAD CALCULATION FOR SERVICE SIZE VERIFICATION ONLY. ACTUAL PANEL LAYOUT, WATTAGES, CIRCUITS MAY VARY DUE TO FIELD CONDITIONS. ALL WORK TO BE DESIGN BUILD BY ELECTRICAL CONTRACTOR.



PROJECT NAME:	CHANG RESIDENCE		ISSUED FOR:	PERMIT
PROJECT ADDRESS:	3123 N. KENMORE AVE. CHICAGO, IL		NOT FOR CONSTRUCTION	
DRAWING TITLE:	ELECTRICAL DETAILS, SCHEDULES		DATE:	09.25.2019
			DRAWN BY:	WS, JD

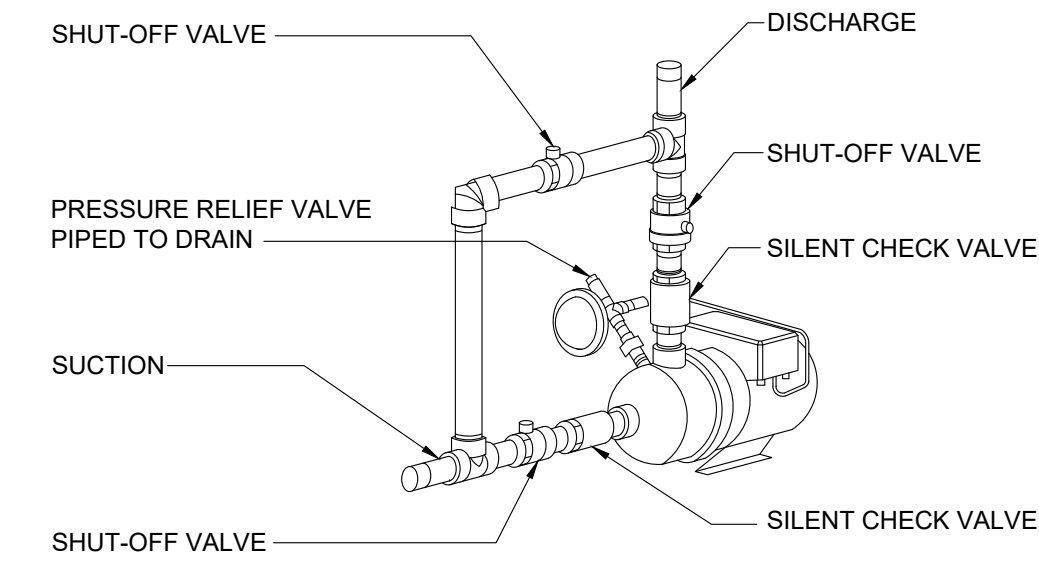
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WATER PRESSURE CALCULATIONS		CHAPTER 18 - APPENDIX A	
ELEVATION TO HIGHEST FIXTURE	5'-0"	DEVELOPED LENGTH	25'-0"
WATER SERVICE TO GRADE:	5'-0"	MAIN TO FURTHEST LINE:	25'-0"
GRADE TO HIGHEST FIXTURE:	22'-0"	DEPTH TO FURTHEST FIXTURE	54'-0"
TOTAL HEIGHT:	27'-0"	TOTAL = DEPTH + HEIGHT + MAIN	81'-0"
		EQUIVALENT LENGTH = DL x 1.5	121'-6"
ELEVATION PRESSURE LOSS = 0.434PSI x FT	11.72 PSI		
PRESSURE LOSS THROUGH METER:	3 PSI	PRESSURE FACTOR PER 100' DL	
WORKING PRESSURE @ HIGHEST FIXTURE PER TABLE 18-29-604.3:	20 PSI	= WORKING PRESSURE / EL X 100'-0.01	
TOTAL PRESSURE LOSS:	44.72 PSI	PRESSURE FACTOR < 0. THEREFORE BOOSTER PUMP IS REQ'D	
MAIN PRESSURE	30 PSI		
- PRESSURE LOSS = WORKING PRESSURE	-14.72 PSI		

PLUMBING FIXTURES						
FIXTURE	ITEM	WASTE	TRAP	VENT	CW	HW
WATER CLOSET	WC	4"	INT.	4"	1/2"	1/2"
LAVATORY	LAV	2"	INT.	1 1/2"	1/2"	1/2"
BATHTUB/SHOWER	TUB	2"	INT.	1 1/2"	3/4"	3/4"
SHOWER	SH	2"	INT.	1 1/2"	1/2"	1/2"
KITCHEN SINK	SK	2"	INT.	1 1/2"	1/2"	1/2"

FIXTURE COUNT					
WATER - MUNICIPAL CODE OF CHICAGO - TABLE (18-29-604.10.1)					
DRAINAGE - MUNICIPAL CODE OF CHICAGO - TABLE (18-29-709.1)					
FIXTURE	SUPPLY FIXTURE UNITS	QUANTITY	TOTAL WATER FIXTURE UNITS	DRAINAGE FIXTURE UNITS	TOTAL DRAINAGE FIXTURE UNITS
BG - BTHRM GROUP	4	4	16	6	24
WC - TANK	3	0	0	4	0
LAVATORY	1	1	1	1	1
BATHTUB	2	0	0	2	0
SHOWER	2	0	0	2	0
SINK	2	2	4	2	4
LAUNDRY SINK (SRVC)	3	0	0	2	0
DISHWASHER	2	2	4	2	4
CLOTHES WASHER	2	2	4	2	4
FLOOR DRAIN		3		2	6
TOTAL:			29	TOTAL:	43
FLOW TABLE (18-29-604.10.2)			19.4 GPM	BLDG. SANITARY DRAIN (18-29-710A): 4" SERVICE BASED ON 1/8"FT. SLOPE	
WATER SERVICE			MAX FLOW GPM AT 5 FT/S	DOWNSPOUT (18-29-1106.2): TOTAL ROOF AREA (SF) = 1,282 MIN 2.5" TOTAL DIA REQUIRED	
PROVIDE NEW 1" WATER SERVICE AND BOOSTER PUMP				EQUIV. AREA (SF) (TABLE 29(18-29-1108.1)) 3,340	
				AREA OF ROOF 1,282 TOTAL EQUIV. AREA 4,622 6" SERVICE (18-29-1106.3) BASED ON 1/8"FT. SLOPE	



BOOSTER PUMP DETAIL
SCALE: N.T.S.
ITEMS CAN BE SUPPLIED AS A CHICAGO CODE KIT: METROPOLITAN INDUSTRIES, INC. OR EQUAL

PLUMBING SPECIFICATIONS AND GENERAL NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING ALL EXISTING FIELD CONDITIONS PRIOR TO SUBMISSION OF THEIR BID. THE CONTRACT DOCUMENTS INDICATE APPROXIMATE LOCATION OF EXISTING PIPING AND ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATION OF EXISTING PIPES.

CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF ALL OTHER TRADES AND MAKING ANY NECESSARY MODIFICATIONS TO HIS WORK AT NO ADDITIONAL COSTS INCLUDING ALL OFFSETS.

PLUMBING SYSTEM SHALL BE INSTALLED WITH DUE REGARD TO PRESERVATION OF THE STRENGTH OF THE STRUCTURAL MEMBERS, FIRE RESISTANCE OF ASSEMBLIES AND PREVENTION OF DAMAGE TO WALLS AND OTHER SURFACES THROUGH FIXTURE USAGE. CONTRACTOR TO NOTIFY ARCHITECT OR STRUCTURAL ENGINEER OF MEMBERS TO BE NOTCHED OR PENETRATED PRIOR TO PERFORMING WORK.

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL CODES. THESE CODES SHALL BE FOLLOWED AS MINIMUM. PROVIDE HIGHER GRADES OF MATERIAL AND WORKMANSHIP WHERE REQUIRED BY THESE DOCUMENTS. PROVIDE ALL TESTS REQUIRED BY LOCAL CODES.

ALL PERMITS, FEES, LICENSES, APPROVALS, AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED BY CONTRACTOR AT THEIR OWN EXPENSE.

SUBMIT ASSEMBLED PRINTED INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF EACH ITEM INSTALLED ALONG WITH EQUIPMENT CUTS AND CONTROL WIRING DIAGRAMS.

SUBMIT EQUIPMENT SPECIFICATIONS FOR REVIEW BEFORE PURCHASE (UNLESS OWNER PROVIDED).

CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR ONE YEAR AGAINST ALL DEFECTS OF MATERIAL, EQUIPMENT, AND WORKMANSHIP.

FOR EXACT LOCATION OF PLUMBING FIXTURES REFER TO ARCHITECTURAL PLANS AND ELEVATIONS.

PROVIDE COLD WATER CONNECTION TO ALL ICE MAKERS: EITHER STAND ALONE OR IN REFRIGERATOR. PROVIDE HOT WATER CONNECTION TO ALL DISHWASHERS.

INSULATION: DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK 4# DENSITY, GLASS FIBER, PREFORMED, ALL PURPOSE FLAME RETARDANT JACKET WITH BUILT IN VAPOR BARRIER.

PLUMBING MATERIALS AND ACCESSORIES:
WATER SERVICE PIPING: COPPER (TYPE K)
WATER DISTRIBUTION PIPING: COPPER (TYPE K, L, OR M)

WASTE PIPING: PVC (SCHEDULE 40)
VENT PIPING: PVC (SCHEDULE 40)

ALL VALVES FOR SHUT-OFFS SHALL BE 'BALL' TYPE AS MANUFACTURED BY MILWAUKEE OR NIBCO. PROVIDE INDIVIDUAL COLD AND HOT WATER SHUT-OFFS FOR EACH FIXTURE GROUP.

FLOOR DRAINS (FD): ZURN FD2201, STAINLESS STEEL STRAINER, OR EQUAL.
TRAP SEAL TO BE DEEP SEAL TYPE, ACCESSORIZED WITH A PRIMER OR FILLED WITH VEGETABLE OIL. (CHICAGO 2003 PLUMBING CODE 18-29-412.4.8)

SHOWER DRAINS (SD): ZURN MODEL FD2254 SQUARE, POLISHED CHROME, OR APPROVED EQUAL.

EXTERIOR AREA DRAINS (AD): ZURN Z415B-P ROUND POLISHED BRONZE TYPE, OR EQUAL.

PLUMBING FIXTURES:

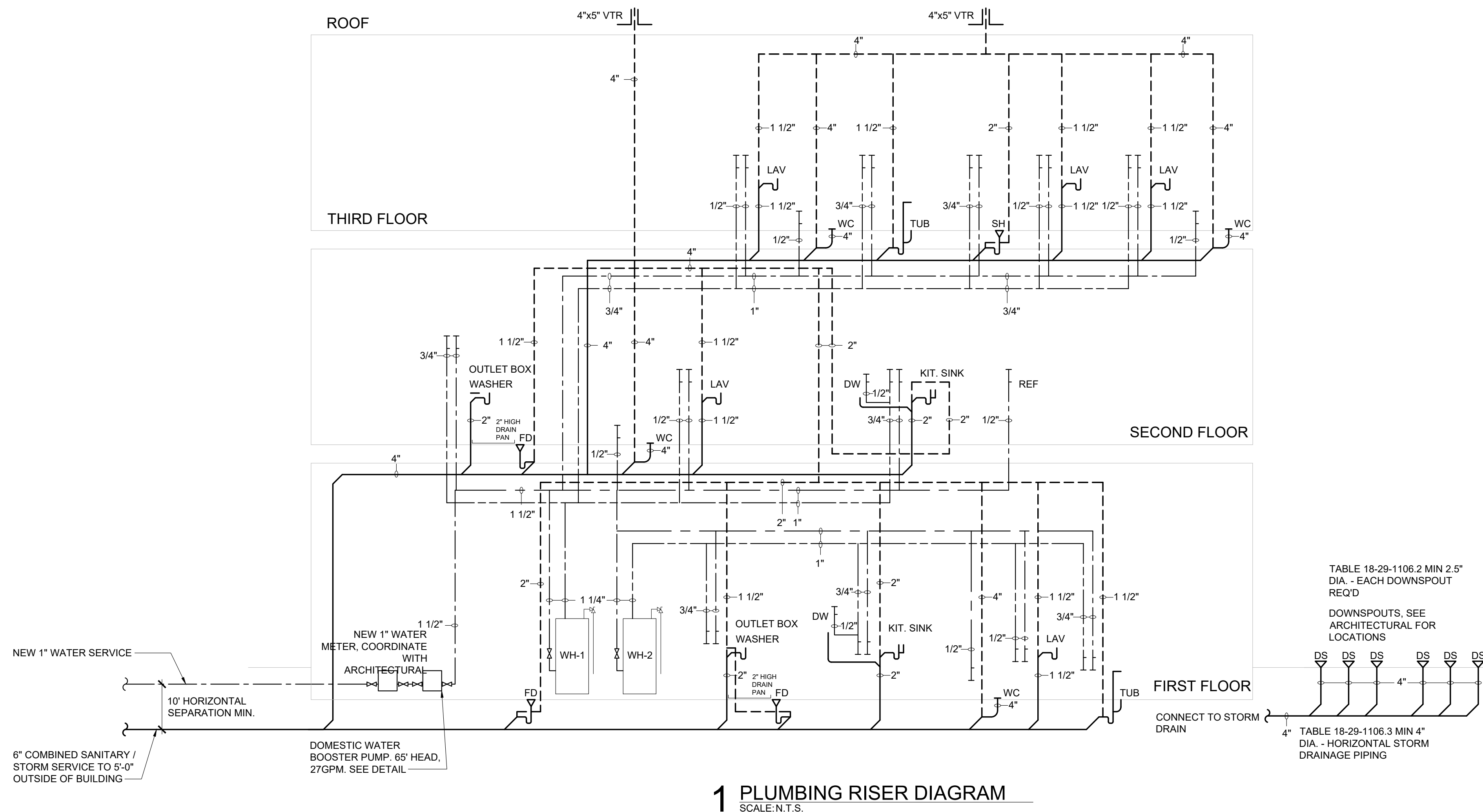
FURNISH AND INSTALL PLUMBING FIXTURES INDICATED. FIXTURES TO BE FIRST QUALITY, CONNECTED, CLEANED, AND READY FOR USE. PROVIDE WOOD BACKING, PROPERLY SECURED TO WALLS AND FLOORS AS REQUIRED.

PROVIDE TRAPS AND SUPPLIES WITH STOPS. MAKE ALL FINAL CONNECTIONS TO EACH FIXTURE, FAUCET, TAILPIECE, SINK FRAMES, ETC. FOR ALL FIXTURES.

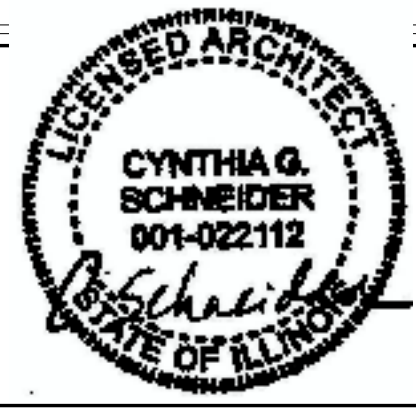
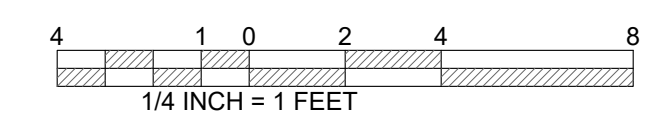
SEE ARCHITECTURAL DRAWINGS AND MILLWORK ELEVATIONS AND PLANS FOR EXACT LOCATION OF ALL FIXTURES.

EQUIPMENT SPECIFICATIONS:

WATER HEATER (WH1): EXISTING TO REMAIN
WATER HEATER (WH2): EXISTING TO REMAIN



1 PLUMBING RISER DIAGRAM
SCALE: N.T.S.



PROJECT NAME:	CHANG RESIDENCE	ISSUED FOR:	PERMIT
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DRAWING TITLE:	PLUMBING RISER DIAGRAM	DATE:	09.25.2019
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