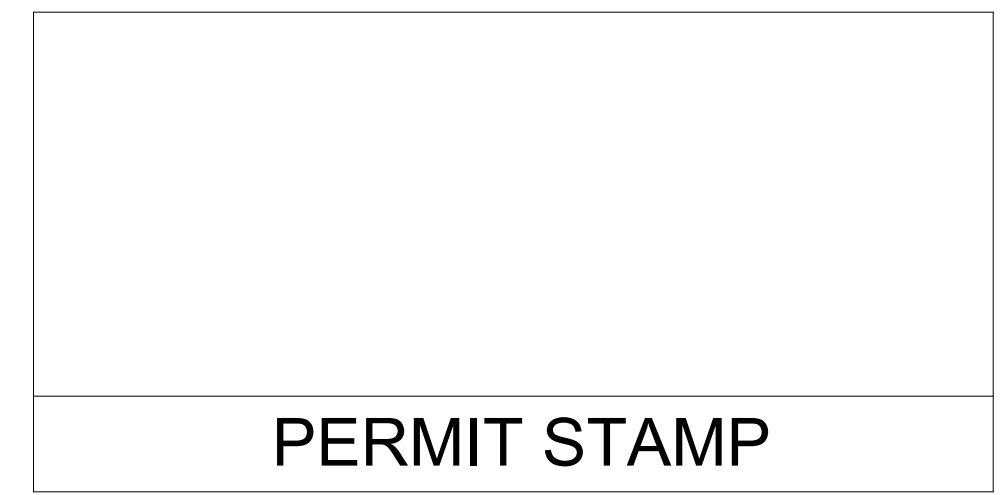


ANCHORAGE SCHOOL DISTRICT

Spring Hill Elementary School Roof Replacement

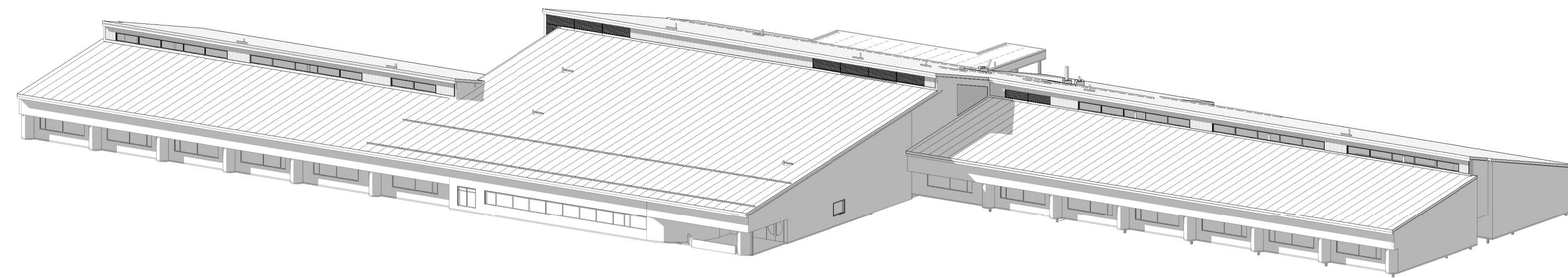
9911 Lake Otis Pkwy, Anchorage, AK 99507

100% BID DOCUMENTS



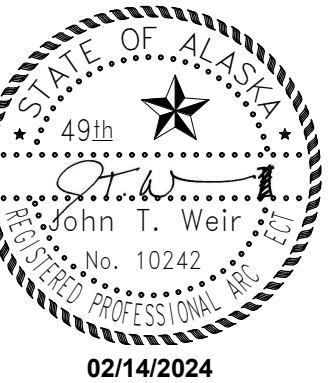
02/14/2024

3D VIEW



PROJECT DESCRIPTION

THE SCOPE OF WORK FOR THIS PROJECT IS TO REPLACE 53,201 SF OF SLOPED METAL ROOF 3,915 SF OF LOW-SLOPED EPDM ROOF WITH INSULATED METAL PANEL ROOFING; DEMOLISH EXISTING SMOKE DAMPERS AND INFILL STRUCTURAL STEEL DECK TO MATCH ADJACENT; DEMOLISH EXISTING ROOF DRAINS AND LEADERS FOR 3,915 SF EPDM ROOF; PERFORM STRUCTURAL UPGRADES PER ATTACHED DRAWINGS.



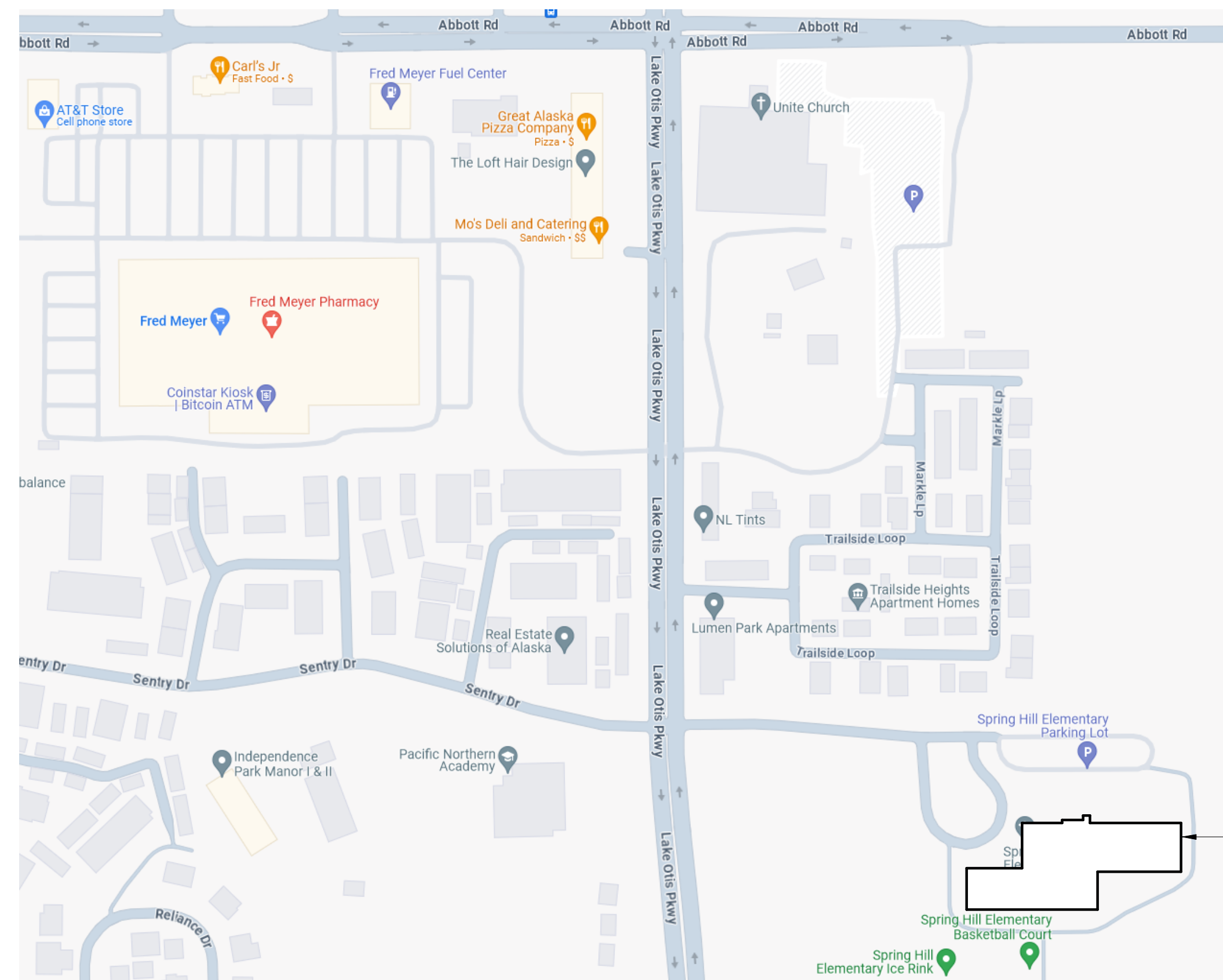
ALTERNATES

NOTIFICATIONS

NOTIFICATION OF POTENTIAL HAZARD
ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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LOCATION MAP



PROJECT LOCATION:
SPRING HILL ELEMENTARY
SCHOOL SITE

LEGAL DESCRIPTION:
TRACT B-1, SECTION 16,
T12N, R3W, S.M., ALASKA

9911 LAKE OTIS PARKWAY
ANCHORAGE, ALASKA 99507

PROJECT TEAM

- ARCHITECTURAL:** MCG EXPLORE DESIGN, JOHN WEIR, 907-563-8474
- HAZARDS ABATEMENT:** HTRW LLC, CHRIS OTTOSEN, 907-917-3801
- STRUCTURAL:** DEVISE ENGINEERING, JESSE GOBELI, 907-382-4471
- MECHANICAL:** RSA ENGINEERING, INC, MATT MALECHA, 907-276-0521
- ELECTRICAL:** RSA ENGINEERING, INC, FRANK SILBERER, 907-276-0521

FOR:
SUBMITTAL
PRICING

COVER SHEET



421 W. 1st Avenue, Suite 300
Anchorage, Alaska 99501
907.563.8474
explore design.com

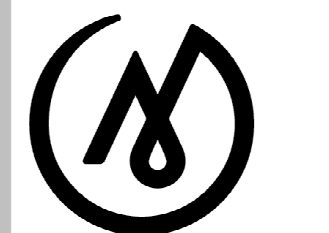
SHEET NO.
G001

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02/14/2024

ANCHORAGE SCHOOL DISTRICT

Spring Hill Elementary School Roof Replacement

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100% BID DOCUMENTS

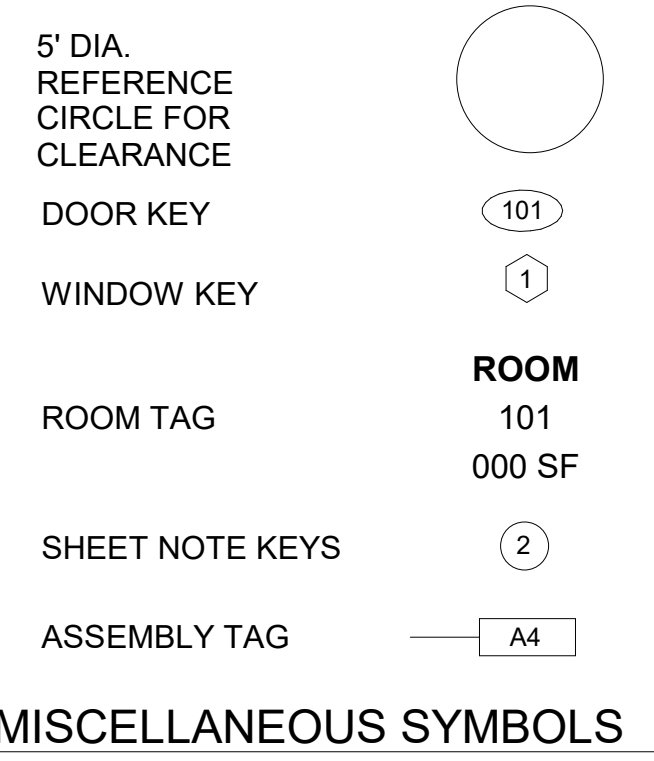
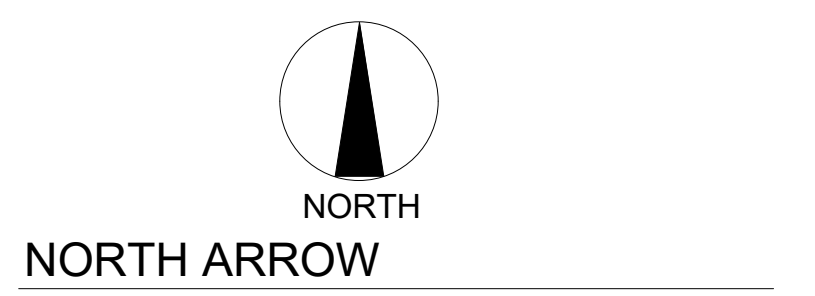
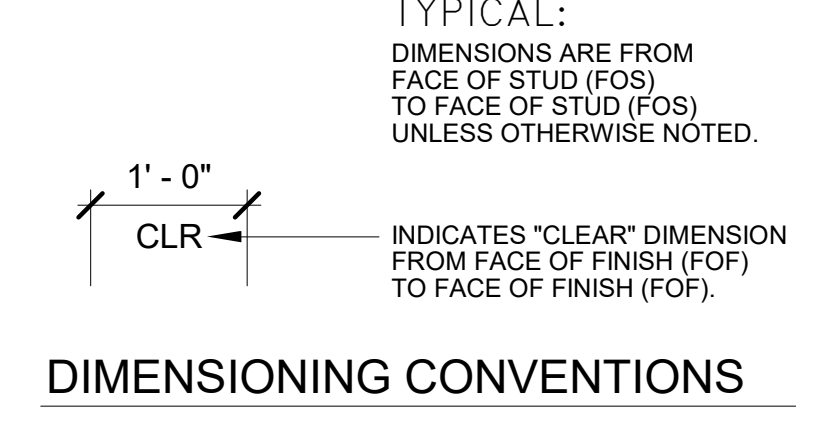
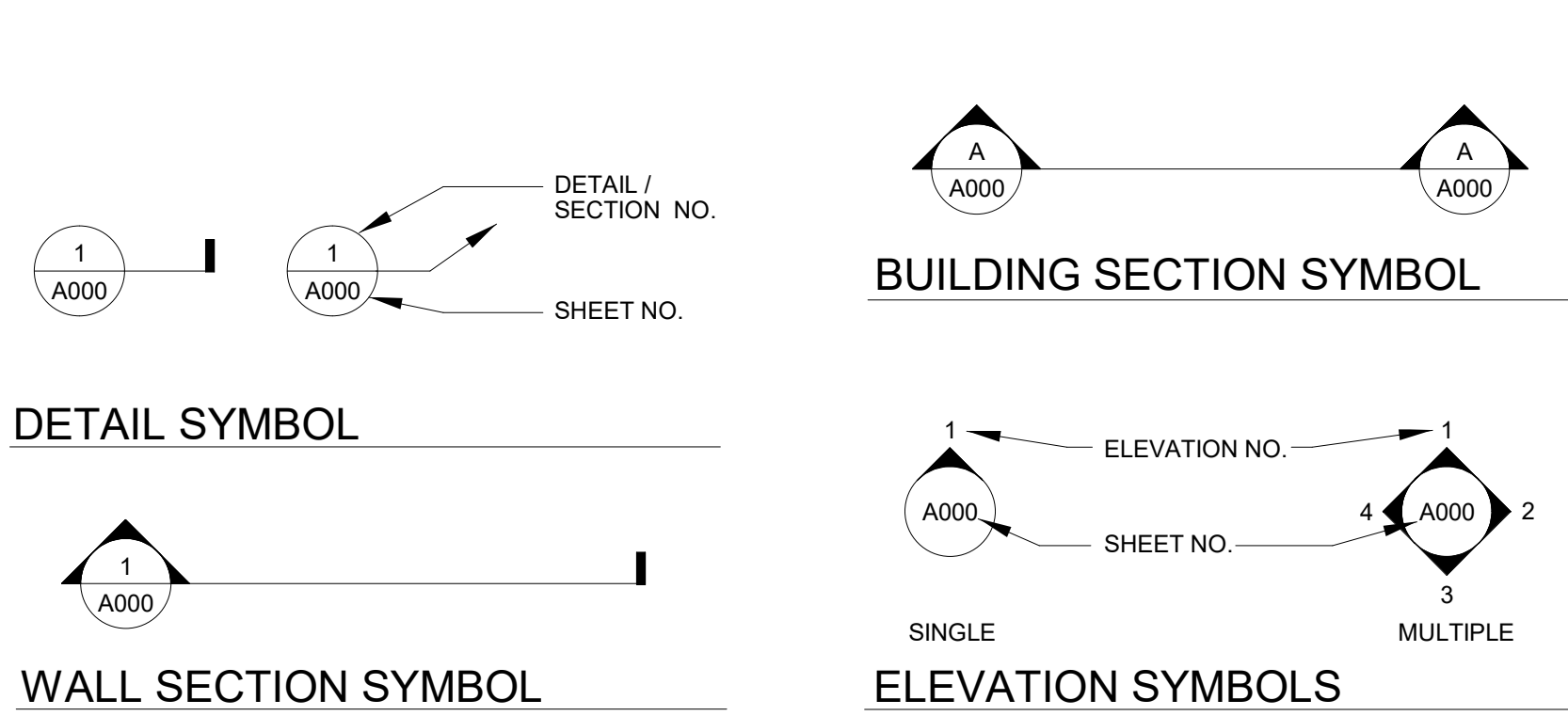
JOB NO.	2023017
DATE:	02/14/2024
PROJ. MGR.:	JTW
DRAWN BY:	DD
REVIEWED BY:	-
REVISIONS:	

ABBREVIATIONS AND SHEET INDEX

SHEET NO.
G002

STANDARD ABBREVIATIONS

A	ACRYLIC COATING	D	DEEP	GA	GAUGE	N	NONE / NOT APPLICABLE	S	SEALER	UBC	UNIFORM BUILDING CODE
AB	ANCHOR BOLT	DBL	DOUBLE	GALV	GALVANIZED	NIC	NOT IN CONTRACT	SB	SMOKE BARRIER	UL	UNDERWRITERS LABORATORY
ACOUST	ACOUSTICAL	DF	DRINKING FOUNTAIN	GFRC	GLASS FIBER REINFORCED CEMENT	NOM	NOMINAL	SAC	SUSPENDED ACOUSTICAL CEILING	UNO	UNLESS NOTED OTHERWISE
ADD	ADDITIVE	DIA	DIAMETER	GL	GLASS	NTS	NOT TO SCALE	S/A	SUPPLY AIR	VT	VINYL TILE
ADJ	ADJUSTABLE	DISP	DISPENSER	GWB	GYPSUM WALLBOARD	O/	OVER	SCHED	SCHEDULE	VR	VAPOR RETARDER
AFF	ABOVE FINISH FLOOR	DN	DOWN	GYP	GYPSUM	O/A	OUTSIDE AIR	SEC	SECRETARY	VRT	VERTICAL
AK	ALASKA	DOT/PF	ALASKA DEPARTMENT OF TRANSPORTATION/PUBLIC FACILITIES	H	HIGH	OC	ON CENTER	SECT	SECTION	VEST	VESTIBULE
ALT	ALTERNATE	DW	DISHWASHER	HDPB	HIGH DENSITY PARTICLE BOARD	O.F./C.I.	OUTSIDE DIAMETER	SFT	SHEET	VST	VESTIBULE STAIR TREAD
AL/ALUM	ALUMINUM	DTL	DETAIL	HDW	HARDWARE	OFD	OWNER FURNISHED CONTRACTOR INSTALLED	SHT	SHEATHING	W	WIDE / WOMEN
APPROX	APPROXIMATE	DWR	DRAWER	HDWD	HARDWOOD	OH	OFFICE	SHR	SHOWER	W/	WITH
APT	APARTMENT	EQ	EXISTING	HORIZ	HORIZONTAL	OPNG	OPENING	SIM	SIMILAR	WC	WOOD CLOSET
ARCH	ARCHITECTURAL	EXP	EXISTING EXPOSED STRUCTURE (NO CEILING)	HP	HORSEPOWER	OPP	OPPOSITE HAND	SM	SURFACE MOUNT	WD	WOOD
AWW	ACRYLIC WALL COATING	EXT	EXISTING EXISTING WOOD CEILING	HR	HOUR	PC	PAINT	SM	SURFACE MOUNT SPECIFICATIONS	WFB	WOOD FIBER BOARD
AT	ACOUSTIC TILE	EQ	EQUAL	HT	HEIGHT	PERF	PERFORATED	ST	STANDARD	WOM	WALK OFF ENTRY CARPET
AWC	ALUMINUM WINDOW WALL	ESC	ESCALATOR	ID	INSIDE DIAMETER	P-LAM	PLASTIC LAMINATE	STL	STEEL	WRGWB	WATER RESISTANT GYPSUM WALLBOARD
		EXE	EXISTING EXISTING EXPOSED STRUCTURE (NO CEILING)	INCL	INCLUDING	PLWD	PLYWOOD	STL	STEEL	W/	WITH
		EXT	EXISTING EXISTING WOOD CEILING	INCL	INCLUDING	PLY	PLYWOOD	STL	STEEL	WWF	WELDED WIRE FABRIC
		EXP	EXISTING EXISTING EXPOSED STRUCTURE (NO CEILING)	INCL	INCLUDING	PP	PLYWOOD WAINSCOT	STL	STEEL		
		EXWD	EXISTING EXISTING WOOD CEILING	INCL	INCLUDING	PS	PLASTIC PANEL WAINSCOT	STL	STEEL		
		FAF	FLUID APPLIED SPORTS FLOORING	INCL	INCLUDING	PT	PROJECTION SCREEN	STL	STEEL		
		FDN	FOUNDATION	INCL	INCLUDING	PNL	PRESERVATIVE TREATED PANEL	STL	STEEL		
		FE	FIRE EXTINGUISHER	INCL	INCLUDING	PR	PAIR	STL	STEEL		
		FIN	FINISH	INCL	INCLUDING	R	RADIUS / RISER	STL	STEEL		
		FIXT	FIXTURE	INCL	INCLUDING	RAF	RAISED ACCESS FLOOR	STL	STEEL		
		FLASH	FLASHING	INCL	INCLUDING	R/A	RETURN AIR	STL	STEEL		
		FLR	FLOOR	INCL	INCLUDING	RB	RUBBER BASE	STL	STEEL		
		FOF	FACE OF FINISH	INCL	INCLUDING	RCP	REFLECTED CEILING PLAN	STL	STEEL		
		FOS	FACE OF STUD	INCL	INCLUDING	RD	ROOF DRAIN	STL	STEEL		
		FPW	FIRE RETARDANT TREATED PLYWOOD	INCL	INCLUDING	REF	REFERENCE / REFRIGERATOR	STL	STEEL		
		FRP	FIBERGLASS REINFORCED PLASTIC	INCL	INCLUDING	REIN	REINFORCED	STL	STEEL		
		FRT	FIRE RETARDANT TREATED	INCL	INCLUDING	REQD	REQUIRED	STL	STEEL		
		FT	FOOT OR FEET	INCL	INCLUDING	REV	REVISED/REVISION	STL	STEEL		
		FTG	FOOTING	INCL	INCLUDING	RG	REFRIGERATOR	STL	STEEL		
		FURR	FURRING	INCL	INCLUDING	RF	ROOF	STL	STEEL		
				INCL	INCLUDING	RM	ROOM	STL	STEEL		
				INCL	INCLUDING	RO	ROUGH OPENING	STL	STEEL		
				INCL	INCLUDING	RT	RUBBER TILE	STL	STEEL		
				INCL	INCLUDING	RTT	RUBBER TIRE TILE	STL	STEEL		
				INCL	INCLUDING	RUB	RUBBER ANTI-SLIP	STL	STEEL		
				INCL	INCLUDING			STL	STEEL		
				INCL	INCLUDING			STL	STEEL		
				INCL	INCLUDING			STL	STEEL		
				INCL	INCLUDING			STL	STEEL		



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- G002 ABBREVIATIONS AND SHEET INDEX
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- H101 HAZARDS ABATEMENT - OVERALL ROOF PLAN

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- M102 MECHANICAL DEMOLITION ROOF PLAN - AREA A
- M103 MECHANICAL DEMOLITION ROOF PLAN - AREA B
- M104 MECHANICAL DEMOLITION ROOF PLAN - AREA C
- M105 MECHANICAL DEMOLITION ROOF PLAN - AREA D
- M201 MECHANICAL REMODEL ROOF PLAN
- M202 MECHANICAL REMODEL ROOF PLAN - AREA A
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- E302 VIDEO SYSTEM DETAILS
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SHEET NO.
G002

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FOR:
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 Anchorage, Alaska 99501
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02/14/2024

ANCHORAGE
 SCHOOL DISTRICT

**Spring Hill
 Elementary
 School Roof
 Replacement**

9911 Lake Otis Pkwy,
 Anchorage, AK 99507

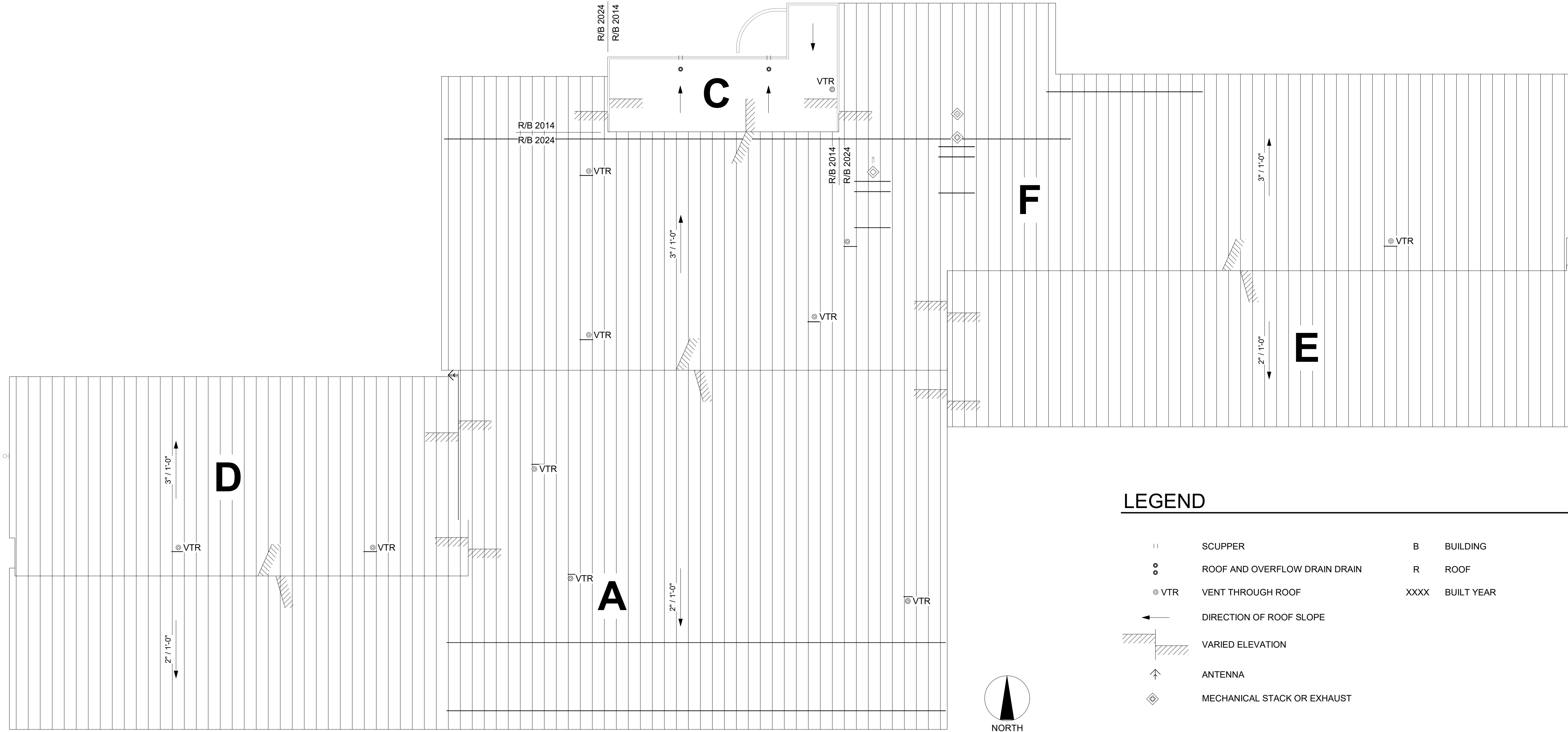
**100% BID
 DOCUMENTS**

JOB NO. 2023017
 DATE: 02/14/2024
 PROJ. MGR.: JTW
 DRAWN BY: DD
 REVIEWED BY: -
 REVISIONS:

**ROOF
 SCHEDULE
 PLAN**

SHEET NO.

G101



LEGEND

- || SCUPPER
- ROOF AND OVERFLOW DRAIN DRAIN
- ⊙ VTR VENT THROUGH ROOF
- ← DIRECTION OF ROOF SLOPE
- ▨ VARIED ELEVATION
- ↑ ANTENNA
- ◇ MECHANICAL STACK OR EXHAUST
- B BUILDING
- R ROOF
- XXXX BUILT YEAR

ROOF SECTION NAME	ROOF ABOVE ROOM NAMES / NUMBERS	YEAR REPLACED / BUILT	AREA SF (FLAT)	AREA SF (STRUCT SLOPE)	ROOF SYSTEM	X PLY / MIL	COVER BOARD	STRUCTURE DECKING / FRAMING	INSULATION TYPE	OVER ALL R VALUE	STRUCT DECK SLOPE (PER FT)	STRUCT DECK YEAR	BASE BOARD	VAPOR RETARDER (MIL)	STRUCT DECKING / FRAMING	VAPOR RETARDER (MIL)	CEILING BOARD	WIND LOAD	ROOF ELEV = +/-	PARAPET ELEV = +/- (ROOF TOP TO P TOP)	PARAPET LENGTH (FEET)	ROOF CLERESTORY / LOUVER	ROOF DRAINS (TOTAL RD / ORD / SCUPPER)	DRAIN SIZE DIA (RD / RL-V / RL-H)	RAIN LEADER DOWN SPOUTS	ROOF TOP UTILITY	ROOF SECTION NAME
A	GYM 138, IMC 144, STAFF LOUNGE 156, NURSE 152, CR'S 162-172 (DOUBLE # ONLY), CORR 100-300, ENTRY 300A	2024	19,962	21,282	INSULATED METAL PANEL (SLOPED HOT ROOF)	-	-	1 1/2" METAL DECK	FIBERGLASS BATT INSUL	>40	2:12	1985	5/8" DENS DECK	-	STEEL BEAM FRAMING	20	SUSPENDED GYPSUM BOARD CEILING	100	13'-2" ~ 29'-8"	-	-	6_INSL ALUMN CS / 4_LOUVERS	-	-	-	2 ANTENNAS	A
C	OUTDOOR MECHANICAL AREA	2014	1,473	1,577	EPDM - REINFORCED - FULLY ADHERED	1 PLY / 60	1/2" DENS DECK MECH ATTACHED	-	TAPERED RIGID INSULATION	-	1/2:12	2014	5/8" DENS DECK	10	1 1/2" METAL DECK	-	-	80	16'-9" ~ 17'-2"	6"	85	-	2 / 0 / 2	4" / 4" / 4"	1 4" RL, 30° HT, WITH HEAT TRACE	-	C
D	CORR 100-400, ENTRY 100A-400A, COMPUTER LAB 163, CR'S 163-171 (ODD # ONLY)	2024	6,417	6,382	INSULATED METAL PANEL (SLOPED HOT ROOF)	-	-	1 1/2" METAL DECK	FIBERGLASS BATT INSUL	>40	3:12	1985	-	-	STEEL BEAM FRAMING	20	SUSPENDED GYPSUM BOARD CEILING	100	25'-8" ~ 28'-4"	-	-	-	-	-	1 ANTENNA	D	
E	CR'S 102-116 (DOUBLE # ONLY), CORR 400, ENTRY 400A	2024	8,735	8,730	INSULATED METAL PANEL (SLOPED HOT ROOF)	-	-	1 1/2" METAL DECK	FIBERGLASS BATT INSUL	>40	2:12	1985	-	-	STEEL BEAM FRAMING	20	SUSPENDED GYPSUM BOARD CEILING	100	14'-11" ~ 27'-9"	-	-	6_INSL ALUMN CS / 2_LOUVERS	-	-	-	-	E
F	CR'S 101-111 (ODD # ONLY), BOILER 117, GEN 127, ELEC 128, KITCHEN 129, MPR 130, STAGE 132, BOOK/IT EQ/COM 133, ART 145, MAIN OFF 148, CORR 100-300-400, ENTRY 100A-400A	2024	19,874	20,722	INSULATED METAL PANEL (SLOPED HOT ROOF)	-	-	1 1/2" METAL DECK	FIBERGLASS BATT INSUL	>40	3:12	1985	-	-	STEEL BEAM FRAMING	20	SUSPENDED GYPSUM BOARD CEILING	100	14'-5" ~ 33'-11"	-	-	-	-	-	-	1 ANTENNA	F

GENERAL NOTES

1. THE WORK OF THE SPRING HILL ROOF REPLACEMENT PROJECT IS SCHEDULED TO DISTURB "COMMON HAZARDOUS BUILDING MATERIALS". "COMMON HAZARDOUS BUILDING MATERIALS" IS INTENDED TO INCLUDE ACM MATERIALS (ACM), LEAD-CONTAINING MATERIALS, MERCURY-CONTAINING MATERIALS, PCB-CONTAINING LIGHT BALLASTS, OZONE DEPLETING SUBSTANCES (ODS), HEAT TRANSFER FLUIDS, AND MATERIALS WITH RADIOACTIVE COMPONENTS. OTHER HEALTH, SAFETY, AND ENVIRONMENTAL HAZARDS MAY BE PRESENT AT THIS SITE AND ARE ADDRESSED ELSEWHERE IN THE CONTRACT DOCUMENTS. THE PRIMARY INTENT OF THE HAZARDS ABATEMENT PORTION OF THE WORK IS TO SATISFY THE HEALTH, SAFETY, AND ENVIRONMENTAL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, HOWEVER, THE HAZARDS ABATEMENT DRAWINGS AND SPECIFICATIONS MAY INCLUDE MORE STRINGENT REQUIREMENTS.
2. THE HAZARDS ABATEMENT DRAWINGS ARE INTENDED TO PROVIDE INFORMATION ON WHICH "COMMON HAZARDOUS BUILDING MATERIALS" WILL BE DISTURBED, WHERE THOSE MATERIALS ARE LOCATED, AND THE ESTIMATED QUANTITIES OF THOSE MATERIALS TO BE REMOVED. THE EXACT EXTENT OF THE HAZARDS ABATEMENT PORTION OF THE WORK MAY VARY ON THE CONTRACTOR'S CHOICE OF MEANS AND METHODS TO COMPLETE THE WORK, HOWEVER, IF ADDITIONAL QUANTITIES OF MATERIALS REQUIRE REMOVAL DUE TO THE CONTRACTOR'S CHOICE OF MEANS AND METHODS, THAT WORK SHALL COME AT NO ADDITIONAL COST TO THE OWNER. THE CONTENT OF THE HAZARDS ABATEMENT DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE A BASELINE FOR BIDDING PURPOSES ONLY, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT ALL HAZARDS ABATEMENT WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND LAWS OF THE AUTHORITY HAVING JURISDICTION.
3. ALL CONTRACTORS AND SUBCONTRACTORS WORKING AT THIS SITE MUST REVIEW THE HAZARDOUS MATERIALS ASSESSMENT AND HAZARDS ABATEMENT DRAWINGS AND SPECIFICATIONS TO FAMILIARIZE THEMSELVES WITH THE "COMMON HAZARDOUS BUILDING MATERIALS" PRESENT AT THE SITE AND HOW THOSE MATERIALS MAY AFFECT THEIR WORK. IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE THE WORK OF THIS PROJECT ACROSS ALL DISCIPLINES AND TO CONDUCT THEIR WORK WITHOUT DISTURBING THE VARIOUS "COMMON HAZARDOUS BUILDING MATERIALS" UNLESS THOSE PERSONNEL ARE QUALIFIED TO PERFORM SUCH WORK. IF ELEMENTS OF THE WORK CAN BE CONDUCTED WITHOUT DISTURBING THE VARIOUS "COMMON HAZARDOUS BUILDING MATERIALS", AND IF THAT WORK WOULD NOT RESULT IN ADDITIONAL COSTS TO THE OWNER TO AVOID THOSE "COMMON HAZARDOUS BUILDING MATERIALS", THEN THOSE MATERIALS MUST BE AVOIDED. DUE TO THE POTENTIAL TO CONTACT ACM THROUGHOUT THIS SITE, ALL PERSONNEL PERFORMING WORK AT THIS SITE ARE REQUIRED TO HAVE A MINIMUM OF "TWO-HOUR ASBESTOS AWARENESS" TRAINING IN ACCORDANCE WITH 29 CFR 1926.1101 AND 40 CFR 763. ONLY PERSONNEL WHO ARE TRAINED AND STATE-ACCREDITED AS AN EPA WORKER OR EPA CONTRACTOR/SUPERVISOR ARE PERMITTED TO DISTURB ACM.
4. THE HAZARDS ABATEMENT DRAWINGS DO NOT DEPICT NON-HAZARDOUS BUILDING MATERIALS-RELATED SCOPES OF WORK. THE LOCATIONS OF MATERIALS DEPICTED BY THE HAZARDS ABATEMENT DRAWINGS ARE SCHEMATIC REPRESENTATIONS ONLY, AND NOT ALL "COMMON HAZARDOUS BUILDING MATERIALS" ARE SHOWN BY THE HAZARDS ABATEMENT DRAWINGS. ALTHOUGH EVERY EFFORT WAS MADE TO IDENTIFY THE "COMMON HAZARDOUS BUILDING MATERIALS" IN THE PROJECT AREAS, SOME MATERIALS MAY NOT HAVE BEEN IDENTIFIED.
5. LEAD-CONTAINING MATERIALS ARE PRESENT THROUGHOUT THE SITE, INCLUDING ON ALL PAINTED SURFACES, GLAZED CERAMIC TILES OR FIXTURES, IN METALLIC FORM SUCH AS IN SOLDER, AND IN OTHER MISCELLANEOUS MATERIALS. THE LOCATIONS OF THESE MATERIALS ARE GENERALLY NOT SHOWN BY THE HAZARDS ABATEMENT DRAWINGS. DISTURBANCE OF LEAD-CONTAINING MATERIALS ARE SUBJECT TO REGULATION BY 29 CFR 1926.62, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE "TRIGGER TASKS" AND OTHER REQUIREMENTS OF 29 CFR 1926.62 TO DETERMINE WHICH PORTIONS APPLY, IF ANY, TO EACH UNIQUE WORK TASK REQUIRED BY THIS PROJECT. SIMILARLY, ALL LEAD-CONTAINING WASTE STREAMS MUST BE TCLP TESTED IN ACCORDANCE WITH 40 CFR 261 TO DETERMINE DISPOSAL REQUIREMENTS. ALTERNATIVELY, THE CONTRACTOR MAY ELECT TO HAVE THEIR DESIGNATED PROFESSIONAL INDUSTRIAL HYGIENIST COLLECT BULK SAMPLES OF EACH AFFECTED PAINT TO DETERMINE IF "DETECTABLE LEVELS OF LEAD" ARE PRESENT IN THE PAINTS. ANY RESULTS WHICH INDICATE LEAD ABOVE THE LIMITS OF DETECTION MUST BE CONSIDERED AS HAVING "DETECTABLE LEVELS OF LEAD" AND THEREFORE SUBJECT TO BOTH THE MONITORING AND TESTING REQUIREMENTS OF THIS CONTRACT. THE MAXIMUM ALLOWABLE LIMIT OF DETECTION IS 60 PPM FOR THE PURPOSES OF DETERMINING IF "DETECTABLE LEVELS OF LEAD" ARE PRESENT.
6. DUSTS THROUGHOUT THE BUILDING ARE ASSUMED TO CONTAIN MEASURABLE CONCENTRATIONS OF VARIOUS REGULATED AIR CONTAMINANTS, SUCH AS THOSE FOUND IN 29 CFR 1910.1000, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSESS EACH WORK AREA TO DETERMINE WHETHER ADDITIONAL WORKER OR SITE PROTECTION IS NEEDED TO ENSURE COMPLIANCE WITH THE REGULATIONS OF THE AUTHORITY HAVING JURISDICTION AND OTHER PERFORMANCE REQUIREMENTS OF THE CONTRACT.
7. ALL FINAL VISUAL INSPECTIONS AND MONITORING ARE TO BE PERFORMED BY THE INDEPENDENT INDUSTRIAL HYGIENE TECHNICIAN IN ACCORDANCE WITH THE SPECIFICATIONS.
8. THE CONTRACTOR'S PROFESSIONAL INDUSTRIAL HYGIENIST MUST PROVIDE ALL OTHER INSPECTIONS, TESTING, AND MONITORING-RELATED ELEMENTS OF THE WORK IN ACCORDANCE WITH THE SPECIFICATIONS.
9. WHERE ACM MATERIALS HAVE BEEN CONCEALED BY NEWER NON-ACM MATERIALS, AND WHERE THOSE NEWER MATERIALS ARE GLUED OR OTHERWISE SECURED TO THE UNDERLYING ACM MATERIALS IN A WAY WHICH RESULTS IN DISTURBANCE OF THOSE UNDERLYING ACM MATERIALS, THE REMOVAL OF THE NEWER MATERIALS MUST BE PERFORMED AS AN ASBESTOS ABATEMENT OPERATION USING THE SAME OR MORE STRINGENT WORK PRACTICES AS THE REMOVAL OF THE UNDERLYING ACM MATERIALS REQUIRES, AND THOSE NEWER MATERIALS MUST BE DISPOSED OF AS ASBESTOS-CONTAMINATED WASTE. EXAMPLES OF THIS TYPE OF CONDITION INCLUDE, BUT ARE NOT LIMITED TO, REMOVAL OF CARPET THAT HAS BEEN GLUED TO VINYL ASBESTOS TILE, ACM SHEET VINYL, OR ACM MASTICS; REMOVAL OF NON-ACM ACOUSTIC CEILING TILES ADHERED TO THE SUBSTRATE WITH ACM MASTICS; REMOVAL OF NON-ACM COVE BASE AND MASTICS WHICH WERE ADHERED TO AN ACM SUBSTRATE OR MATERIAL, ETC.
10. ALL MATERIALS MUST BE SAMPLED PRIOR TO DISTURBANCE UNLESS THOSE MATERIALS HAVE BEEN SHOWN NOT TO CONTAIN ASBESTOS. ALTERNATIVELY, THOSE MATERIALS MAY BE ASSUMED TO CONTAIN ASBESTOS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON THE BULK SAMPLING REQUIREMENTS OF THIS PROJECT.
11. THE "COMMON HAZARDOUS BUILDING MATERIALS" AT THIS SITE ARE TYPICALLY IN GOOD CONDITION, HOWEVER, ISOLATED AREAS OF "WEAR AND TEAR" DAMAGE ARE ASSUMED TO BE SCATTERED THROUGHOUT THE SITE. ADDITIONALLY, IT IS ASSUMED THAT SOME DEBRIS FROM DAMAGED "COMMON HAZARDOUS BUILDING MATERIALS" MAY BE PRESENT ON TOP OF CEILINGS, ON ABOVE-CEILING COMPONENTS, IN CHASES, IN ENCLOSED OR OTHERWISE CONCEALED OR INACCESSIBLE AREAS, AND OTHER AREAS WHICH ARE NOT ROUTINELY CLEANED. THERE IS NO REQUIREMENT TO REMOVE ALL PRE-EXISTING ACM DUSTS OR DEBRIS FROM THE SITE UNLESS NOTED OTHERWISE AND ELSEWHERE ON THESE DRAWINGS OR IN THE CONTRACT DOCUMENTS, OR IF IT IS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, OR BECAUSE THE ASBESTOS ABATEMENT CONTRACTOR.

NOTIFICATION OF POTENTIAL HAZARD
 ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

PERMIT STAMP

ESTIMATED QUANTITIES OF MATERIALS TO BE REMOVED	UNITS	MATERIAL DESCRIPTION
56,000	SF	STANDING SEAM METAL ROOFING WITH ACM GUMMY SEALANTS AT THE STANDING SEAMS AND ALL ASSOCIATED EDGE TRIMS, FLASHINGS, DRIP EDGES, ETC.
20	SFA	ASSUMED ACM ASPHALTIC ROOF TARS, SEALANTS, AND MASTICS FROM AFFECTED ROOFING AND APPURTENANCES AS NECESSARY TO ACCOMMODATE THE WORK
10	LFA	ASSUMED ACM SEALANTS ON THE KITCHEN EXHAUST HOOD DUCTWORK AS NECESSARY TO ACCOMMODATE THE WORK
500	LFA	ACM TAN AND GREY SEALANTS ON AFFECTED HVAC SYSTEMS AS NECESSARY TO ACCOMMODATE THE WORK
50	LFA	OFF-WHITE PUTTIES CONTAINING <1% ASBESTOS ON HVAC SYSTEM DUCT FLANGES AS NECESSARY TO ACCOMMODATE THE WORK
1	EA	ACM FLANGE GASKET AT THE GENERATOR EXHAUST TO GENERATOR MUFFLER CONNECTION IF NECESSARY TO ACCOMMODATE THE WORK
650	SF	CLERESTORY WINDOWS WITH HARD BLACK WINDOW GASKET AND ASSOCIATED STICKY BLACK WINDOW GLAZING COMPOUNDS THAT BOTH CONTAIN <1% ASBESTOS
350	SFA	OUTSIDE AIR INTAKE AND RELIEF AIR DUCTS AND BIRD SCREENS WITH ACM HARD GREY DUCT SEAM SEALANTS
1	COST	TO COMPLETE A HAZMAT ASSESSMENT OF ROOF AREAS NOT ANTICIPATED TO CONTAIN ACM'S WHICH WERE NOT ACCESSIBLE FOR INSPECTION
200	SFA	ASSUMED ACM BLACK TARRY DAMPROOFING MATERIALS ON FOUNDATIONS WALLS AS NECESSARY TO ACCOMMODATE THE STRUCTURAL UPGRADES WORK
50	SF	EXTERIOR WINDOWS IN ART CLASSROOM WITH ASSUMED ACM WINDOW GLAZING COMPOUNDS
1	COST	TO SAMPLE TERRAZZO FLOORING WHICH IS ASSUMED TO NOT CONTAIN ASBESTOS FOR BIDDING PURPOSES THAT MUST BE SAMPLED PRIOR TO DISTURBANCE

ABBREVIATION	DESCRIPTION
ACM	ASBESTOS-CONTAINING MATERIAL
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AHAP	ASBESTOS HAZARD ABATEMENT PLAN
BUR	BUILT-UP ROOF
CF	CUBIC FEET
CFA	CUBIC FOOT ALLOWANCE
CFR	CODE OF FEDERAL REGULATIONS
CPIH	CONTRACTOR'S PROFESSIONAL INDUSTRIAL HYGIENIST
DOT	UNITED STATES DEPARTMENT OF TRANSPORTATION
EA	EACH
EAA	EACH ALLOWANCE
EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPDM	ETHYLENE PROPYLENE DIENE MONOMER RUBBER
GWB	GYPSUM WALL BOARD
HEPA	HIGH EFFICIENCY PARTICULATE AIR
LCM	LEAD-CONTAINING MATERIAL
LF	LINEAR FEET
LFA	LINEAR FOOT ALLOWANCE
NESHAP	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS
NRC	NUCLEAR REGULATORY COMMISSION
ODS	OZONE DEPLETING SUBSTANCE
OSHA	UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PCB	POLYCHLORINATED BIPHENYL
PEL	PERMISSIBLE EXPOSURE LIMIT
PLM	POLARIZED LIGHT MICROSCOPY
PPE	PERSONAL PROTECTIVE EQUIPMENT
RACM	REGULATED ASBESTOS-CONTAINING MATERIAL
SF	SQUARE FEET
SFA	SQUARE FOOT ALLOWANCE
TCLP	TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TEM	TRANSMISSION ELECTRON MICROSCOPY
UNO	UNLESS NOTED OTHERWISE
VAT	VINYL ASBESTOS TILE
XRF	X-RAY FLUORESCENCE

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**ANCHORAGE
 SCHOOL DISTRICT**

**Spring Hill
 Elementary
 School Roof
 Replacement**

9911 Lake Otis Pkwy,
 Anchorage, AK 99507

**100% PERMIT
 DOCUMENTS**

JOB NO.	2024-05
DATE:	02/14/2024
PROJ. MGR.:	CTO
DRAWN BY:	CTO
REVIEWED BY:	CTO
REVISIONS:	

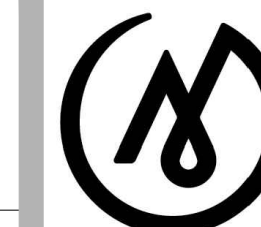
**HAZARDS
 ABATEMENT -
 GENERAL NOTES**

SHEET NO.
H001

KEYNOTE REFERENCE	MATERIAL DESCRIPTION AND INSTRUCTION
H3	REMOVE AND DISPOSE OF ASSUMED ACM SEALANTS ON THE KITCHEN EXHAUST HOOD DUCTWORK AS NECESSARY TO ACCOMMODATE THE WORK.
H4	REMOVE AND DISPOSE OF ACM TAN AND GREY SEALANTS ON AFFECTED HVAC SYSTEMS AS NECESSARY TO ACCOMMODATE THE WORK.
H5	REMOVE AND DISPOSE OF OFF-WHITE PUTTIES CONTAINING <1% ASBESTOS ON HVAC SYSTEM DUCT FLANGES AS NECESSARY TO ACCOMMODATE THE WORK.
H6	REMOVE AND DISPOSE OF ACM FLANGE GASKET AT THE GENERATOR EXHAUST TO GENERATOR MUFFLER CONNECTION IF NECESSARY TO ACCOMMODATE THE WORK.
H7	REMOVE AND DISPOSE OF HARD BLACK WINDOW GASKET AND ASSOCIATED STICKY BLACK WINDOW GLAZING COMPOUNDS THAT BOTH CONTAIN <1% ASBESTOS AT CLERESTORY WINDOWS.
H8	REMOVE AND DISPOSE OF ACM HARD GREY DUCT SEAM SEALANTS ON THE OUTSIDE AIR INTAKE AND RELIEF AIR DUCTS AND BIRD SCREENS.
H10	REMOVE AND DISPOSE OF ASSUMED ACM BLACK TARRY DAMPPROOFING MATERIALS ON FOUNDATIONS WALLS AS NECESSARY TO ACCOMMODATE THE STRUCTURAL UPGRADES WORK.
H11	REMOVE AND DISPOSE OF EXTERIOR WINDOWS IN ART CLASSROOM WITH ASSUMED ACM WINDOW GLAZING COMPOUNDS.
H12	TERRAZZO FLOORING IS ASSUMED TO NOT CONTAIN ASBESTOS FOR BIDDING PURPOSES BUT MUST BE SAMPLED PRIOR TO DISTURBANCE. DO NOT COLLECT SAMPLES FROM UNAFFECTED AREAS OF TERRAZZO OR OTHERWISE DAMAGE ADJACENT TERRAZZO FLOORING TO REMAIN FOR THE PURPOSES OF SAMPLE COLLECTION.

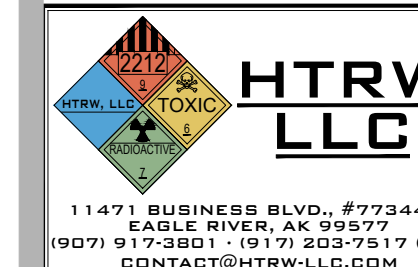
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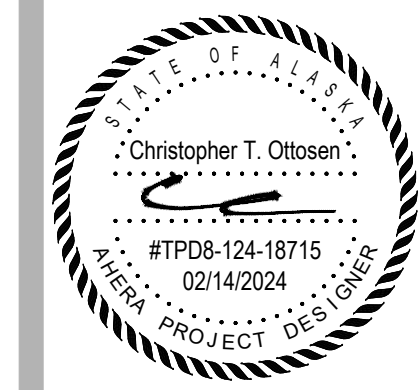


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Spring Hill
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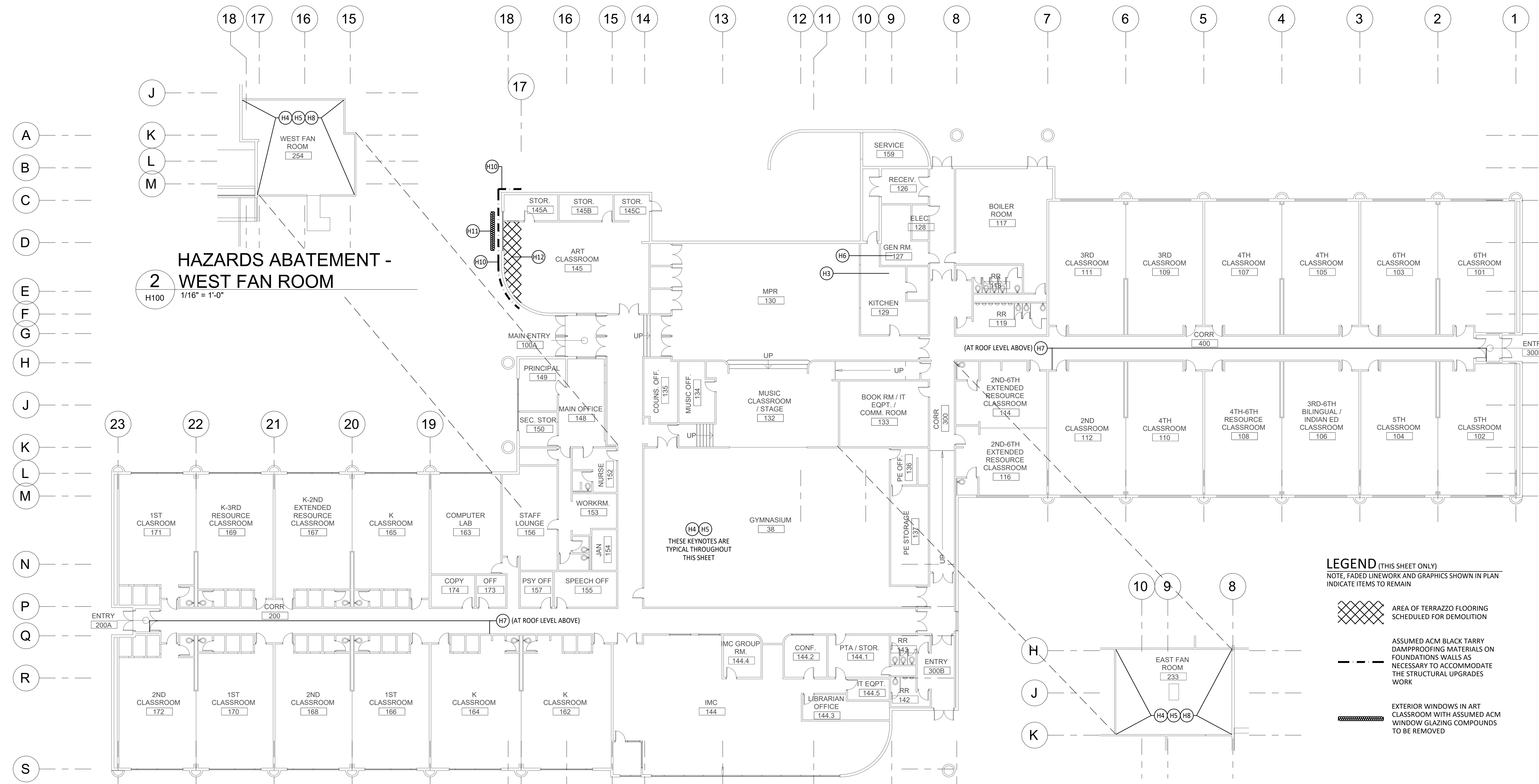
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JOB NO. 2024-05
 DATE: 02/14/2024
 PROJ. MGR.: CTO
 DRAWN BY: CTO
 REVIEWED BY: CTO
 REVISIONS:

HAZARDS
 ABATEMENT -
 OVERALL FIRST
 FLOOR PLAN

SHEET NO.
H100

PERMIT STAMP



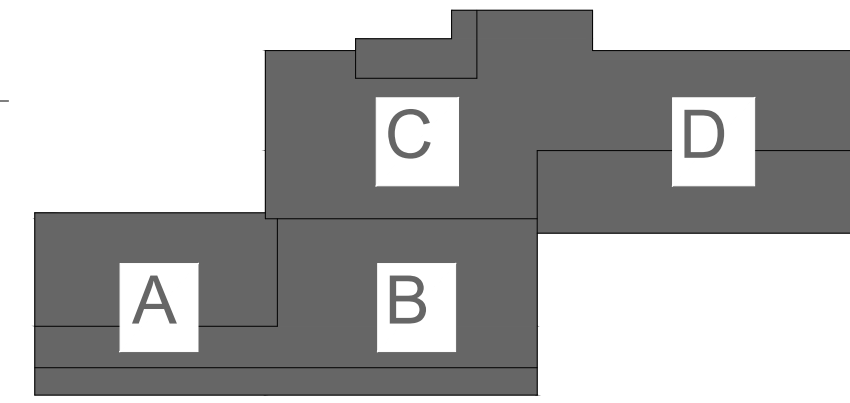
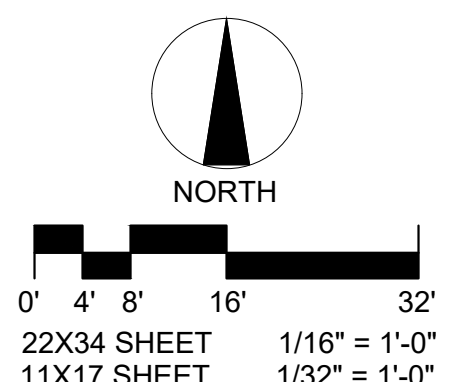
2 HAZARDS ABATEMENT - WEST FAN ROOM
 H100 1/16" = 1'-0"

3 HAZARDS ABATEMENT - EAST FAN ROOM
 H100 1/16" = 1'-0"

1 HAZARDS ABATEMENT - OVERALL FIRST FLOOR PLAN
 H100 1/16" = 1'-0"

LEGEND (THIS SHEET ONLY)
 NOTE, FADED LINEWORK AND GRAPHICS SHOWN IN PLAN INDICATE ITEMS TO REMAIN

- AREA OF TERRAZZO FLOORING SCHEDULED FOR DEMOLITION
- ASSUMED ACM BLACK TARRY DAMPPROOFING MATERIALS ON FOUNDATIONS WALLS AS NECESSARY TO ACCOMMODATE THE STRUCTURAL UPGRADES WORK
- EXTERIOR WINDOWS IN ART CLASSROOM WITH ASSUMED ACM WINDOW GLAZING COMPOUNDS TO BE REMOVED



KEY PLAN

KEYNOTE REFERENCE	MATERIAL DESCRIPTION AND INSTRUCTION
H1	REMOVE AND DISPOSE OF STANDING SEAM METAL ROOFING WITH ACM GUMMY SEALANTS AT THE STANDING SEAMS AND ALL ASSOCIATED EDGE TRIMS, FLASHINGS, DRIP EDGES, ETC. AND COMPLETELY REMOVE THESE ACM SEALANTS FROM SUBSTRATES TO REMAIN.
H2	REMOVE AND DISPOSE OF ASSUMED ACM ASPHALTIC ROOF TARS, SEALANTS, AND MASTICS FROM AFFECTED ROOFING AND APPURTENANCES AS NECESSARY TO ACCOMMODATE THE WORK.
H3	REMOVE AND DISPOSE OF ASSUMED ACM SEALANTS ON THE KITCHEN EXHAUST HOOD DUCTWORK AS NECESSARY TO ACCOMMODATE THE WORK.
H4	REMOVE AND DISPOSE OF ACM TAN AND GREY SEALANTS ON AFFECTED HVAC SYSTEMS AS NECESSARY TO ACCOMMODATE THE WORK.
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H8	REMOVE AND DISPOSE OF ACM HARD GREY DUCT SEAM SEALANTS ON THE OUTSIDE AIR INTAKE AND RELIEF AIR DUCTS AND BIRD SCREENS.
H9	ROOF AREAS NOT ANTICIPATED TO CONTAIN ACM'S WHICH WERE NOT ACCESSIBLE FOR INSPECTION THAT MUST HAVE A HAZMAT ASSESSMENT PRIOR TO THE START OF WORK IN THOSE AREAS.

LEGEND (THIS SHEET ONLY)
 NOTE, FADED LINEWORK AND GRAPHICS SHOWN IN PLAN INDICATE ITEMS TO REMAIN

- STANDING SEAM METAL ROOFING WITH ACM GUMMY SEALANTS TO BE REMOVED
- ROOF AREAS NOT ANTICIPATED TO CONTAIN ACM'S WHICH WERE NOT ACCESSIBLE FOR INSPECTION THAT MUST HAVE A HAZMAT ASSESSMENT PRIOR TO THE START OF WORK IN THOSE AREAS
- HARD BLACK WINDOW GASKET AND ASSOCIATED STICKY BLACK WINDOW GLAZING COMPOUNDS THAT BOTH CONTAIN <1% ASBESTOS AT CLERESTORY WINDOWS TO BE REMOVED
- ACM HARD GREY DUCT SEAM SEALANTS ON THE OUTSIDE AIR AND RELIEF AIR INTAKE DUCTS AND BIRD SCREENS TO BE REMOVED

NOTIFICATION OF POTENTIAL HAZARD
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ANCHORAGE
 SCHOOL DISTRICT

**Spring Hill
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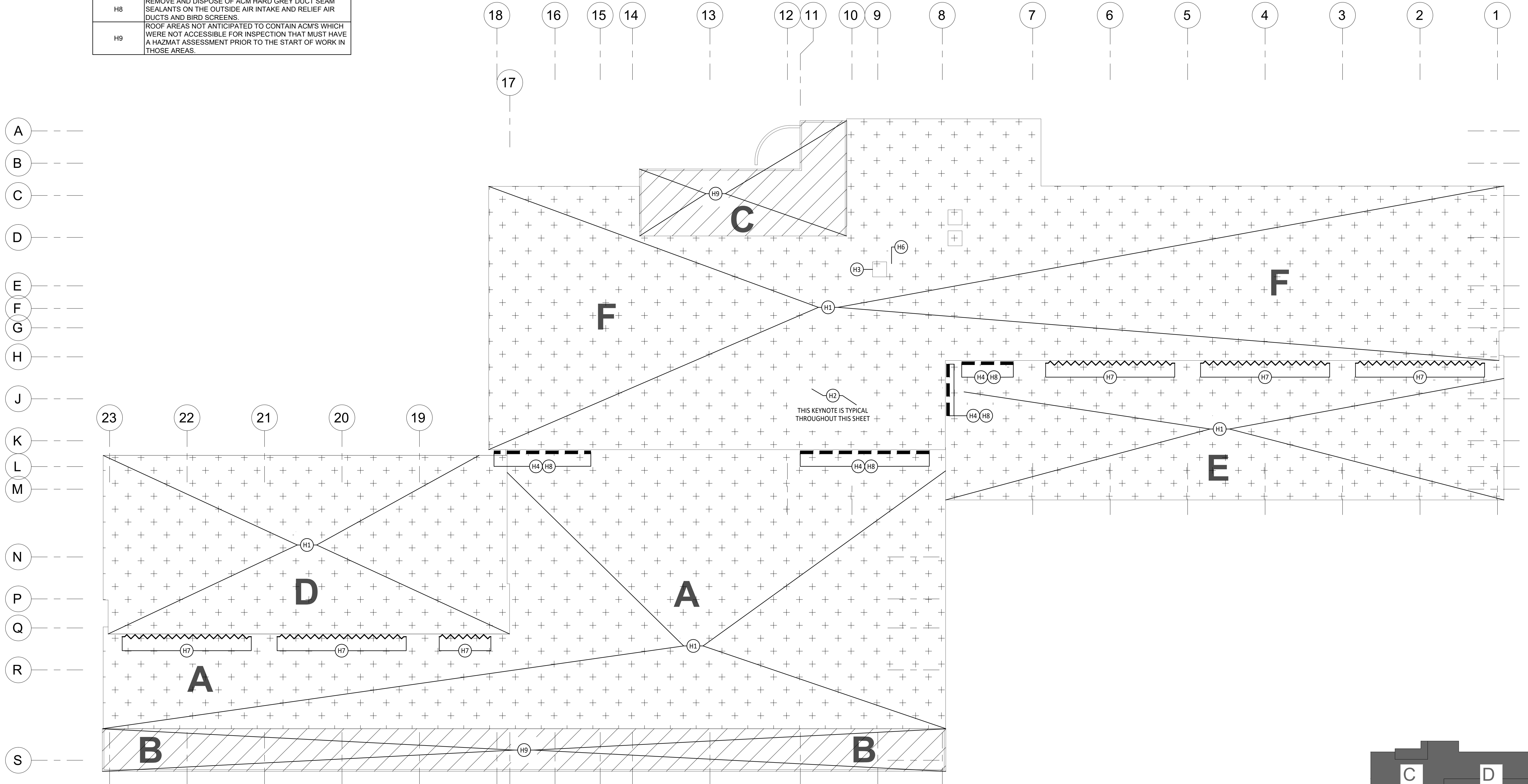
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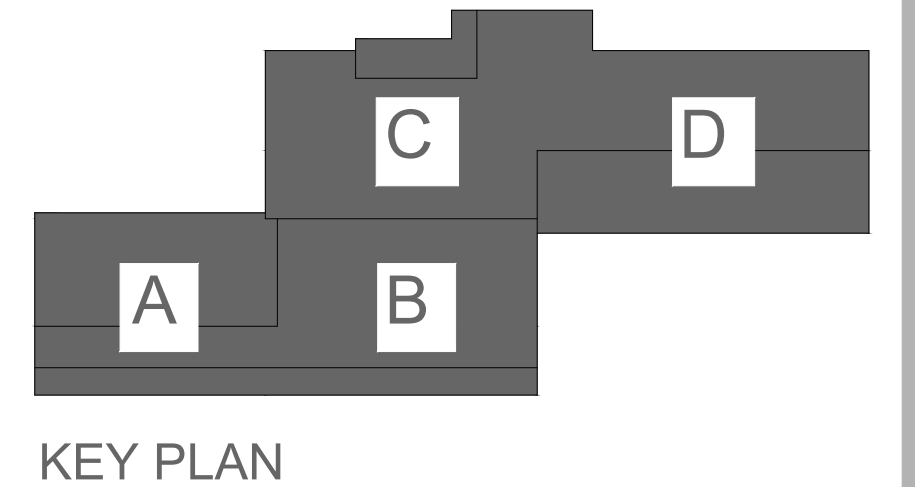
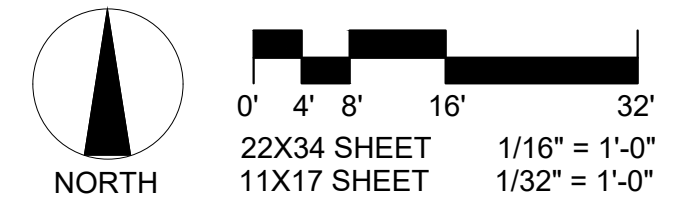
JOB NO. 2024-05
 DATE: 02/14/2024
 PROJ. MGR.: CTO
 DRAWN BY: CTO
 REVIEWED BY: CTO
 REVISIONS:

**HAZARDS
 ABATEMENT -
 OVERALL ROOF
 PLAN**

SHEET NO.
H101



1 HAZARDS ABATEMENT - OVERALL ROOF PLAN
 H101 1/16" = 1'-0"



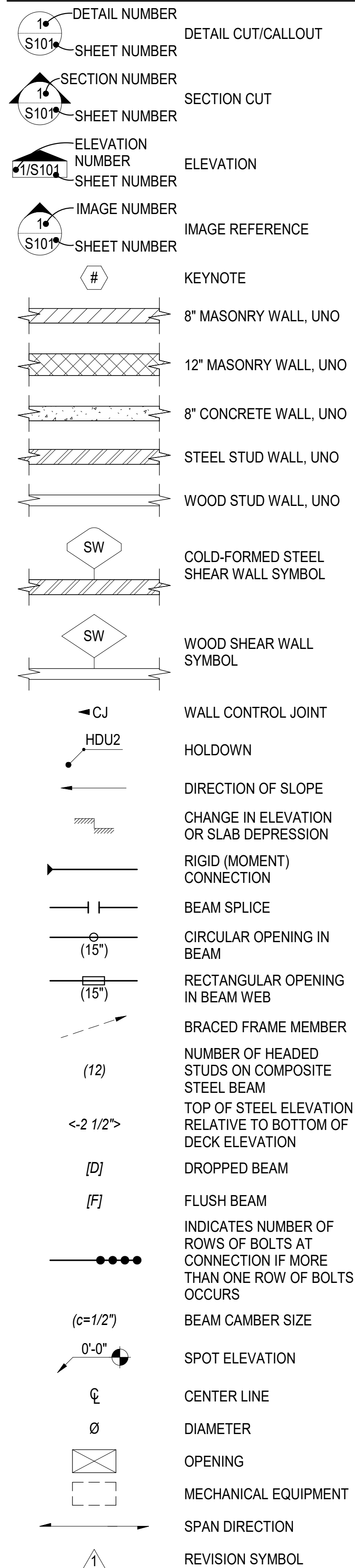
ABBREVIATIONS

Table listing abbreviations and their corresponding full names, such as (E) EXISTING, (N) NEW, AB ANCHOR BOLT, etc.

ABBREVIATIONS

Table listing abbreviations and their corresponding full names, such as LVL LAMINATED VENEER LUMBER, LWC LIGHT WEIGHT CONCRETE, MAX MAXIMUM, etc.

SYMBOLS



NOTIFICATION OF POTENTIAL HAZARD ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES...

NOTIFICATION OF CHLD OCCUPIED FACILITY PORTIONS OF THIS BUILDING ARE CLASSIFIED AS A CHILD OCCUPIED FACILITY IN ACCORDANCE WITH 40 CFR 745 AND LEAD-BASED PAINTS MAY BE PRESENT ON COMPONENTS TO BE DISTURBED IN THOSE AREAS...

PERMIT STAMP

DESIGN CRITERIA

Table detailing design codes and standards, risk category, dead loads, live loads, snow loads, wind loads, seismic loads, and earthwork specifications.

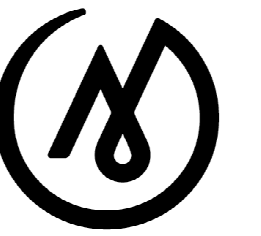
MATERIALS & STRENGTH

Table detailing materials and strength for concrete, structural steel, and reinforcing steel, including items, min comp strength, max w/c ratio, air entrainment, and slump.

DEFERRED SUBMITTALS

DEFERRED SUBMITTAL ITEMS SHALL BE REVIEWED BY THE EOR AND THEN SUBMITTED TO THE AUTHORITY HAVING JURISDICTION WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED BY THE EOR.

FOR: SUBMITTAL PRICING

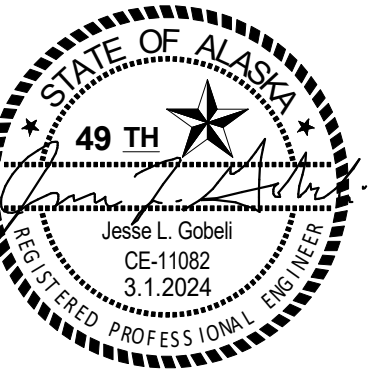


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ANCHORAGE SCHOOL DISTRICT

Spring Hill Elementary School Roof Replacement

9911 Lake Otis Pkwy, Anchorage, AK

95% BID DOCUMENTS

JOB NO. 24.010 DATE: 02/14/2024 PROJ. MGR.: JG DRAWN BY: MEH REVIEWED BY: JG REVISIONS:

STRUCTURAL GENERAL INFORMATION

SHEET NO.

S001

ROOF WIND COMPONENT & CLADDING PRESSURE SCHEDULE

- NOTES:**
- FOR EFFECTIVE WIND AREAS BETWEEN THOSE GIVEN, VALUE MAY BE INTERPOLATED; OTHERWISE USE THE VALUE ASSOCIATED WITH THE SMALLER EFFECTIVE WIND AREA.
 - WIND PRESSURES ARE GROSS PRESSURES.
 - WIND PRESSURES ARE NORMAL TO BUILDING SURFACES.
 - ROOF WIND PRESSURES ALSO APPLY TO THE BACK SURFACE OF PARAPET WALLS.
 - VALUES ARE NOMINAL (STRENGTH LEVEL), TO CONVERT TO WORKING STRESS/ALLOWABLE STRESS DESIGN VALUES, MULTIPLY BY 0.6.

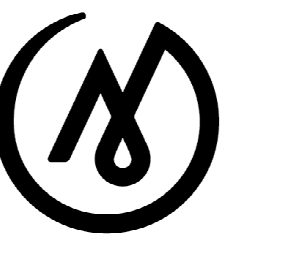
ZONE	HATCH	DESIGN PRESSURE (PSF)	OVERHANG DESIGN PRESSURE (PSF)	EFFECTIVE WIND AREA (SQ FT)
1		-57.7/+22.6	—	10 OR LESS
		-52.3/+19.9	—	50
		-49.9/+18.7	—	100
		-49.9/+18.7	—	500
2E		-69.4/+22.6	—	10 OR LESS
		-58.5/+19.9	—	50
		-53.8/+18.7	—	100
		-53.8/+18.7	—	500
2R		-120/+22.6	—	10 OR LESS
		-95.6/+19.9	—	50
		-85.0/+18.7	—	100
		-85.0/+18.7	—	500
3E		-77.2/+18.7	—	10 OR LESS
		-60.9/+16.0	—	50
		-53.8/+14.8	—	100
		-53.8/+14.8	—	500
3R		-111/+33.2	—	10 OR LESS
		-96.7/+30.4	—	50
		-90.5/+29.3	—	100
		-76.1/+29.3	—	500
C		-146/+33.2	—	10 OR LESS
		-117/+30.4	—	50
		-105/+29.3	—	100
		-76.1/+29.3	—	500

NOTIFICATION OF POTENTIAL HAZARD
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NOTIFICATION OF CHILD OCCUPIED FACILITY
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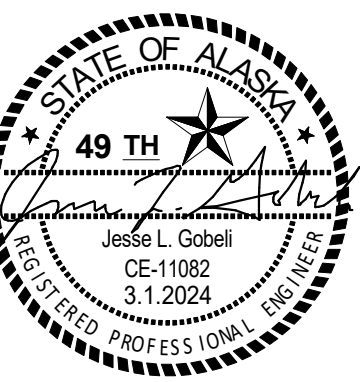


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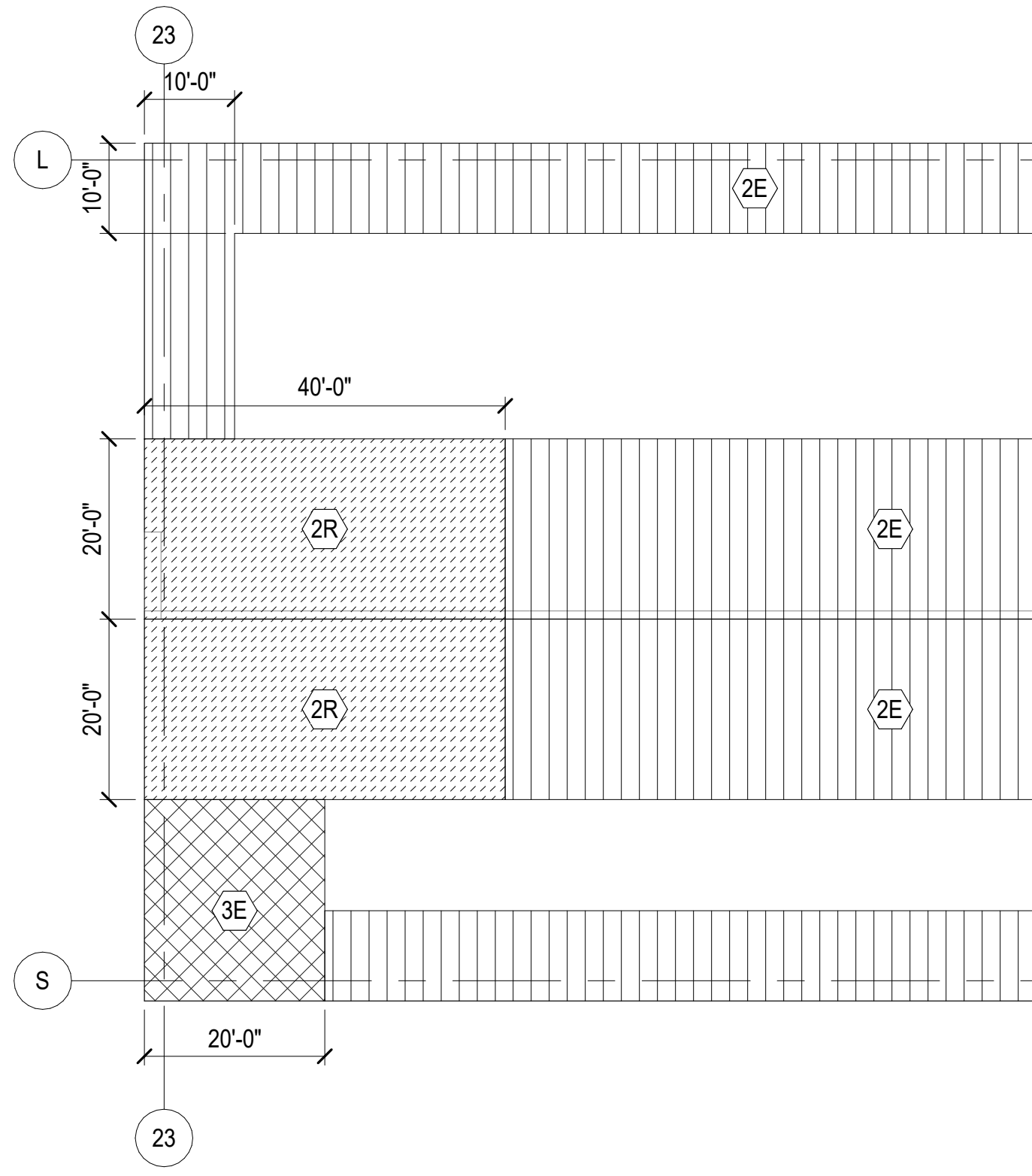
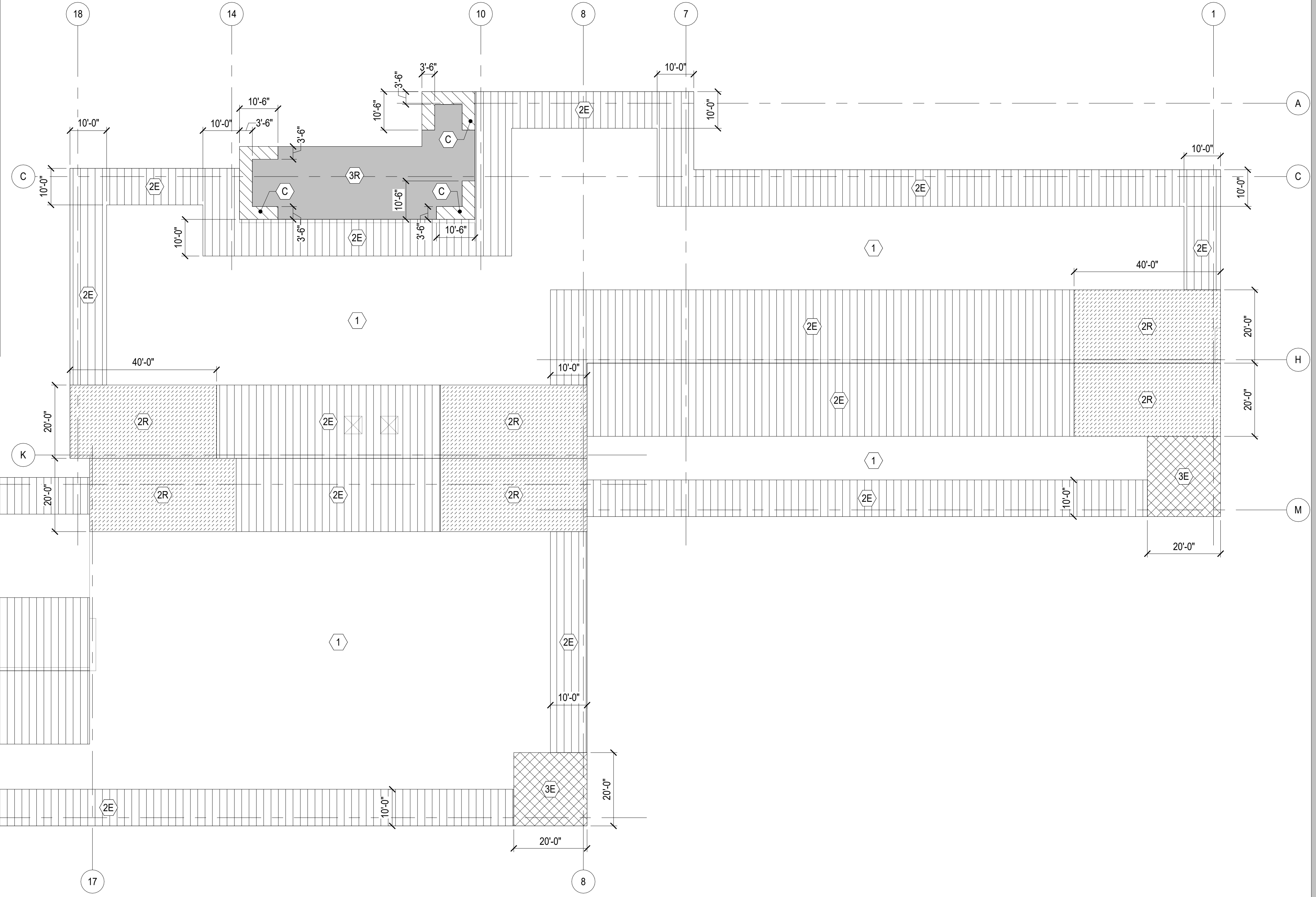
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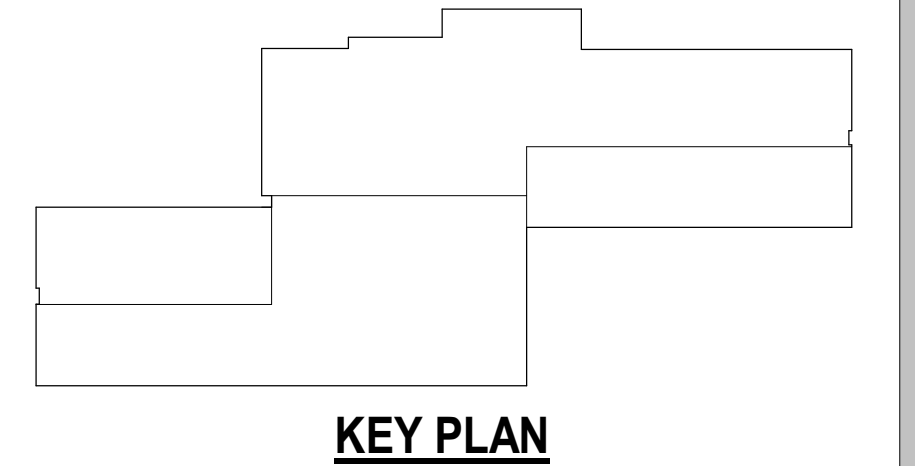
JOB NO. **24.010**
 DATE: **02/14/2024**
 PROJ. MGR.: **JG**
 DRAWN BY: **MEH**
 REVIEWED BY: **JG**
 REVISIONS:

COMPONENT
AND CLADDING
ROOF WIND
PRESSURE
ZONES

SHEET NO.
S002



1 COMPONENT AND CLADDING ROOF WIND PRESSURE ZONES
 SCALE: 1/16" = 1'-0"



PLOT DATE: 3/1/2024 4:57:32 PM

GEOTECHNICAL SPECIAL INSPECTIONS				
SOILS				
SYSTEM OR MATERIAL	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY	REMARKS
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY	1705.6	—	PERIODIC	—
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	1705.6	—	PERIODIC	—
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	1705.6	—	PERIODIC	—
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF...	1705.6	—	CONTINUOUS	—
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY SITE HAS BEEN PROPERLY PREPARED	1705.6	—	PERIODIC	—

STRUCTURAL SPECIAL INSPECTIONS				
CONCRETE				
SYSTEM OR MATERIAL	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY	REMARKS
GENERAL INSPECTIONS				
REINFORCING STEEL PLACEMENT	1705.3	ACI 318 20 ACI 318 25.2 ACI 318 25.3 ACI 318 26.6.1-3	PERIODIC	—
PLACEMENT OF CAST-IN-PLACE ANCHOR BOLTS	1705.3	ACI 318 17.8.2	PERIODIC	(NOTE 2)
VERIFY USE OF REQUIRED MIX DESIGN(S)	1705.3 1904.1 1904.2	ACI 318 19 ACI 318 26.4.3 ACI 318 26.4.4	PERIODIC	—
SAMPLING OF CONCRETE FOR STRENGTH, SLUMP, AIR CONTENT TESTS, AND TEMPERATURE DETERMINATION	1705.3	ASTM C172 ASTM C31 ACI 318 26.5 ACI 318 26.12	CONTINUOUS	REFER TO CONCRETE TESTING TABLES
CONCRETE PLACEMENT	1705.3	ACI 318 26.5	CONTINUOUS	—
CONCRETE CURING	1705.3	ACI 318 26.5.3-5	PERIODIC	—
ERECTION OF PRECAST CONCRETE MEMBERS	1705.3	ACI 318 26.9	PERIODIC	(NOTE 3)
VERIFICATION OF FORMWORK	1705.3	ACI 318 26.11.1,2(b)	PERIODIC	(NOTE 4)
NOTES:				
1. REFER TO STRUCTURAL STEEL STRUCTURAL SPECIAL INSPECTION TABLE.				
2. ALL ANCHOR BOLTS ARE VISUALLY INSPECTED.				
3. ALL CONNECTIONS VISUALLY INSPECTED, REFER TO ANCHOR BOLT AND WELDING REQUIREMENTS.				
4. SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.				

STRUCTURAL SPECIAL INSPECTIONS				
STRUCTURAL STEEL - FABRICATED SYSTEMS AND ELEMENTS				
SYSTEM OR MATERIAL	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY	REMARKS
FABRICATED SYSTEMS AND ELEMENTS	1704.2.5 1705.10	AISC 360 N6	PERIODIC	(NOTES 1 & 2)
NOTES:				
1. SPECIAL INSPECTIONS APPLY TO VERIFICATION OF DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES, INCLUDING REVIEW FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SAID WORK WITHOUT SPECIAL INSPECTION. APPROVED FABRICATOR'S, UPON COMPLETION OF COMPONENT MANUFACTURING, SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO OWNER OR OWNER'S AUTHORIZED AGENT FOR SUBMITTAL TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.				
2. NON-DESTRUCTIVE TESTING REQUIREMENTS FOR WELDS CANNOT BE WAIVED PER AISC 360 SECTION N6. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP IS PERMITTED TO BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AUTHORITY HAVING JURISDICTION. WHEN THE FABRICATOR PERFORMS THE NDT, THE QA AGENCY SHALL REVIEW THE FABRICATOR'S NDT REPORTS.				

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STRUCTURAL SPECIAL INSPECTIONS				
STRUCTURAL STEEL - AVAILABLE DOCUMENTS FOR STEEL CONSTRUCTION				
SYSTEM OR MATERIAL	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY	REMARKS
MATERIAL VERIFICATION OF STRUCTURAL STEEL	1705.2.1	ASTM A6 AISC 360 A3.1, N3.2	PERIODIC	CERTIFIED MILL TEST REPORTS
MATERIAL VERIFICATION OF FASTENERS	1705.2.1	AISC 360 A3.3, N3.2	PERIODIC	(NOTE 1)
MATERIAL VERIFICATION OF ANCHOR RODS AND THREADED RODS	1705.2.1	AISC 360 A3.4, N3.2	PERIODIC	(NOTE 1)
MATERIAL VERIFICATION OF WELDING CONSUMABLES	1705.2.1	AISC 360 A3.5, N3.2, N5.4	PERIODIC	(NOTE 1)
MATERIAL VERIFICATION OF WELDING FILLER METALS AND FLUXES	1705.2.1	AISC 360 N3.2	PERIODIC	(NOTE 2)
WELDING PROCEDURE SPECIFICATIONS (WPSs)	1705.2.1	AISC 360 N3.2	PERIODIC	—
PROCEDURE QUALIFICATION RECORDS (PQRs)	1705.2.1	AISC 360 N3.2	PERIODIC	—
WELDING PERSONNEL PERFORMANCE QUALIFICATION RECORDS...	1705.2.1	AISC 360 N3.2	PERIODIC	—
FABRICATOR'S OR ERECTOR'S WRITTEN QC MANUAL	1705.2.1	AISC 360 N3.2	PERIODIC	AS APPLICABLE
FABRICATOR'S OR ERECTOR'S QCI QUALIFICATIONS	1705.2.1	AISC 360 N3.2	PERIODIC	AS APPLICABLE
FABRICATOR NDT PERSONNEL QUALIFICATIONS	1705.2.1	AISC 360 N3.2	PERIODIC	(NOTE 3)
NOTES:				
1. MANUFACTURER'S TEST REPORTS.				
2. MANUFACTURER'S PRODUCT DATA SHEETS OR CATALOG DATA.				
3. IF NDT IS PERFORMED BY THE FABRICATOR.				
STRUCTURAL STEEL - GENERAL INSPECTIONS				
INSPECTION TASKS	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY (NOTE 1)	REMARKS
INSPECTION OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS...	1705.2.1	AISC 360 N5.7	OBSERVE	(NOTE 2)
VERIFICATION OF THE FABRICATED STEEL OR ERECTED STEEL FRAME INCLUDING BRACES, STIFFENERS, MEMBER LOCATIONS AND THE CORRECT APPLICATION OF JOINT DETAILS AT EACH...	1705.2.1	AISC 360 N5.8	OBSERVE	(NOTE 3)
PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE...	1705.2.1	AISC 360 N5.8	OBSERVE	(NOTE 4)
NOTES:				
1. "OBSERVE": THE INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. "PERFORM": THESE TASKS SHALL BE PERFORMED FOR EACH WELDED JOINT OR MEMBER.				
2. CRACKS SHALL BE REPAIRED OR THE MEMBER SHALL BE REJECTED.				
3. ACCEPTANCE OR REJECTION OF JOINT DETAILS AND THE CORRECT APPLICATION OF JOINT DETAILS SHALL BE DOCUMENTED.				
4. AT MINIMUM, THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED PRIOR TO PLACEMENT OF CONCRETE.				

STRUCTURAL SPECIAL INSPECTIONS				
HIGH STRENGTH BOLTING - JOINTS				
SYSTEM OR MATERIAL	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY	REMARKS
SNUG-TIGHT JOINTS				
INSTALLATION	1705.2.1	AISC 360 N5.6	PERIODIC	(NOTE 1)
PRETENSIONED AND SLIP-CRITICAL JOINTS				
INSTALLATION USING TURN-OF-THE-NUT METHOD WITH MATCH MARKING, DIRECT TENSION INDICATOR METHOD OR TWIST-OFF...	1705.2.1	AISC 360 N5.6	PERIODIC	(NOTE 2)
INSTALLATION USING TURN-OF-THE-NUT METHOD WITHOUT MATC...	1705.2.1	AISC 360 N5.6	CONTINUOUS	(NOTE 1)
NOTES:				
1. VISUALLY INSPECT ALL CONNECTIONS INSPECTION NEED NOT OCCUR DURING INSTALLATION OF FASTENERS.				
2. VISUALLY INSPECT ALL CONNECTIONS. CONNECTIONS USING DIRECT TENSION INDICATORS: ALL BOLTS SHALL BE INSPECTED AFTER SNUGGING AND AFTER PRETENSIONING.				
HIGH STRENGTH BOLTING				
INSPECTION TASKS	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY (NOTE 1)	REMARKS
INSPECTION TASKS PRIOR TO BOLTING				
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	1705.2.1	AISC 360 N5.6-1	PERFORM	—
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	1705.2.1	AISC 360 N5.6-1	OBSERVE	—
CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	1705.2.1	AISC 360 N5.6-1	OBSERVE	—
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	1705.2.1	AISC 360 N5.6-1	OBSERVE	—
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	1705.2.1	AISC 360 N5.6-1	OBSERVE	—
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	1705.2.1	AISC 360 N5.6-1	OBSERVE	(NOTE 2)
PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	1705.2.1	AISC 360 N5.6-1	OBSERVE	—
INSPECTION TASKS DURING BOLTING				
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	1705.2.1	AISC 360 N5.6-2	OBSERVE	—
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	1705.2.1	AISC 360 N5.6-2	OBSERVE	—
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	1705.2.1	AISC 360 N5.6-2	OBSERVE	—
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	1705.2.1	AISC 360 N5.6-2	OBSERVE	—
INSPECTION TASKS AFTER BOLTING				
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	1705.2.1	AISC 360 N5.6-3	PERFORM	—
NOTES:				
1. "OBSERVE": THE INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. "PERFORM": THESE TASKS SHALL BE PERFORMED FOR EACH WELDED JOINT OR MEMBER.				
2. REFER TO STEEL TESTING TABLES.				

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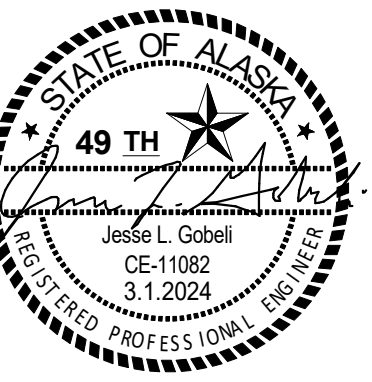


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JOB NO. 24.010
DATE: 02/14/2024
PROJ. MGR.: JG
DRAWN BY: MEH
REVIEWED BY: JG
REVISIONS:

SPECIAL
INSPECTIONS

SHEET NO.

S003

STRUCTURAL SPECIAL INSPECTIONS				
STRUCTURAL STEEL - WELDING				
INSPECTION TASKS	IBC CODE REF	CODE OR STANDARD REF	FREQUENCY (NOTE 1)	REMARKS
INSPECTION TASKS PRIOR TO WELDING				
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
WELDING PROCEDURE SPECIFICATIONS	1705.2.1	AISC 360 N5.4-1	PERFORM	—
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES	1705.2.1	AISC 360 N5.4-1	PERFORM	—
MATERIAL IDENTIFICATION (TYPE/GRADE)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
WELDER IDENTIFICATION SYSTEM	1705.2.1	AISC 360 N5.4-1	OBSERVE	(NOTE 2)
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)				
A. JOINT PREPARATION	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
B. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
C. CLEANLINESS (CONDITION OF SURFACES)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
D. TACK WELD QUALITY AND LOCATION	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
E. BACKING TYPE AND FIT (IF APPLICABLE)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)				
A. JOINT PREPARATION	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
B. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
C. CLEANLINESS (CONDITION OF SURFACES)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
D. TACK WELD QUALITY AND LOCATION	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
E. BACKING TYPE AND FIT (IF APPLICABLE)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
CONFIGURATION AND FINISH OF ACCESS HOLES	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
FIT UP OF FILLET WELDS				
A. DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
B. CLEANLINESS (CONDITION OF STEEL SURFACES)	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
C. TACK WELD QUALITY AND LOCATION	1705.2.1	AISC 360 N5.4-1	OBSERVE	—
INSPECTION TASKS DURING WELDING				
CONTROL AND HANDLING OF WELDING CONSUMABLES				
A. PACKAGING	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
B. EXPOSURE CONTROL	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
NO WELDING OVER CRACKED TACK WELDS	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
ENVIRONMENTAL CONDITIONS				
A. WIND SPEED WITHIN LIMITS	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
B. PRECIPITATION AND TEMPERATURE	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
WPS FOLLOWED				
A. SETTINGS ON WELDING EQUIPMENT	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
B. TRAVEL SPEED	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
C. SELECTED WELDING MATERIALS	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
D. SHIELDING GAS TYPE/FLOW RATE	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
E. PREHEAT APPLIED	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
F. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
G. PROPER POSITION (F, V, H, OH)	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
WELDING TECHNIQUES				
A. INTERPASS AND FINAL CLEANING	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
B. EACH PASS WITHIN PROFILE LIMITATIONS	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
C. EACH PASS MEETS QUALITY REQUIREMENTS	1705.2.1	AISC 360 N5.4-2	OBSERVE	—
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	1705.2.1	AISC 360 N5.4-2	PERFORM	—
INSPECTION TASKS AFTER WELDING				
WELDS CLEANED	1705.2.1	AISC 360 N5.4-3	OBSERVE	—
SIZE, LENGTH AND LOCATION OF WELDS	1705.2.1	AISC 360 N5.4-3	PERFORM	—
WELDS MEET VISUAL ACCEPTANCE CRITERIA				
A. CRACK PROHIBITION	1705.2.1	AISC 360 N5.4-3	PERFORM	—
B. WELD/BASE-METAL FUSION	1705.2.1	AISC 360 N5.4-3	PERFORM	—
C. CRATER CROSS SECTION	1705.2.1	AISC 360 N5.4-3	PERFORM	—
D. WELD PROFILES	1705.2.1	AISC 360 N5.4-3	PERFORM	—
E. WELD SIZE	1705.2.1	AISC 360 N5.4-3	PERFORM	—
F. UNDERCUT	1705.2.1	AISC 360 N5.4-3	PERFORM	—
G. POROSITY	1705.2.1	AISC 360 N5.4-3	PERFORM	—
ARC STRIKES	1705.2.1	AISC 360 N5.4-3	PERFORM	—
K-AREA	1705.2.1	AISC 360 N5.4-3	PERFORM	(NOTE 3)
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SECTIONS	1705.2.1	AISC 360 N5.4-3	PERFORM	(NOTE 4)
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	1705.2.1	AISC 360 N5.4-3	PERFORM	—
REPAIR ACTIVITIES	1705.2.1	AISC 360 N5.4-3	PERFORM	—
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	1705.2.1	AISC 360 N5.4-3	PERFORM	—
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	1705.2.1	AISC 360 N5.4-3	OBSERVE	—
NOTES:				
1. "OBSERVE": THE INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. "PERFORM": THESE TASKS SHALL BE PERFORMED FOR EACH WELDED JOINT OR MEMBER.				
2. THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.				
3. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACK WITHIN 3 INCHES OF THE WELD.				
4. AFTER ROLLED HEAVY SHAPES AND BUILT-UP SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.				

NOTIFICATION OF POTENTIAL HAZARD
ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0.1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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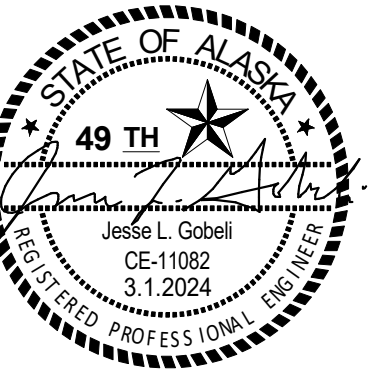


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**ANCHORAGE
SCHOOL DISTRICT**

**Spring Hill
Elementary
School Roof
Replacement**

9911 Lake Otis Pkwy,
Anchorage, AK

**95% BID
DOCUMENTS**

JOB NO. **24.010**
DATE: **02/14/2024**
PROJ. MGR.: **JG**
DRAWN BY: **MEH**
REVIEWED BY: **JG**
REVISIONS:

**SPECIAL
INSPECTIONS**

SHEET NO.
S004

NOTIFICATION OF POTENTIAL HAZARD
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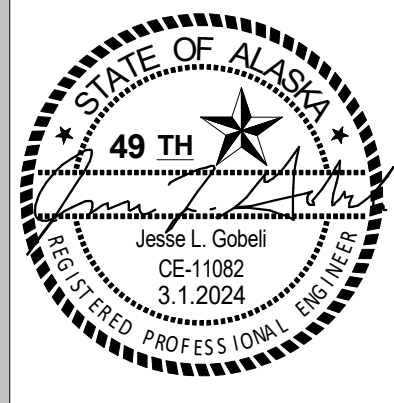
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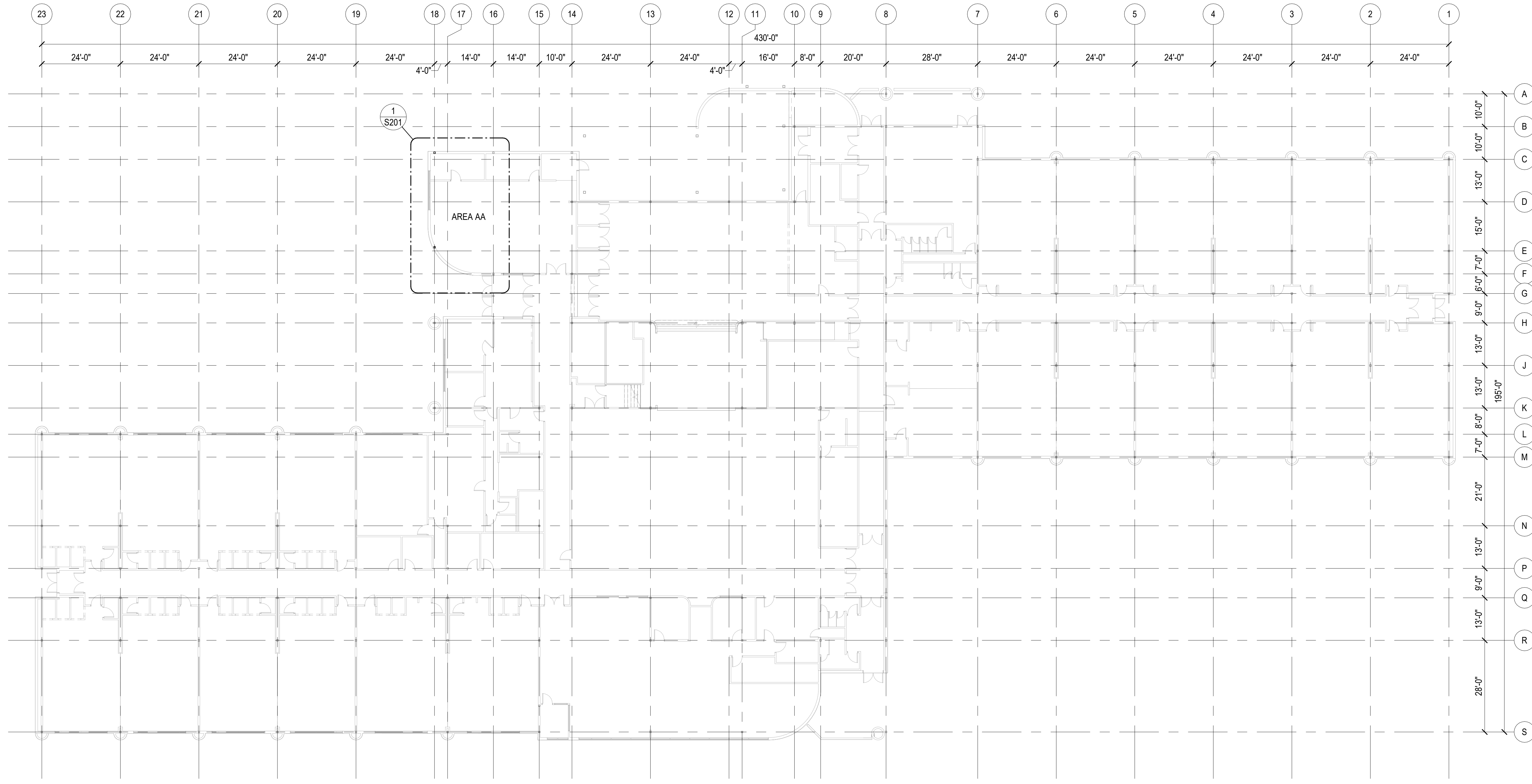
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DATE:	02/14/2024
PROJ. MGR.:	JG
DRAWN BY:	MEH
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REVISIONS:	

OVERALL FIRST
FLOOR PLAN

SHEET NO.
S101



1 OVERALL FIRST FLOOR PLAN
 SCALE: 1/16" = 1'-0"

PLOT DATE: 3/1/2024 4:57:33 PM

NOTIFICATION OF POTENTIAL HAZARD
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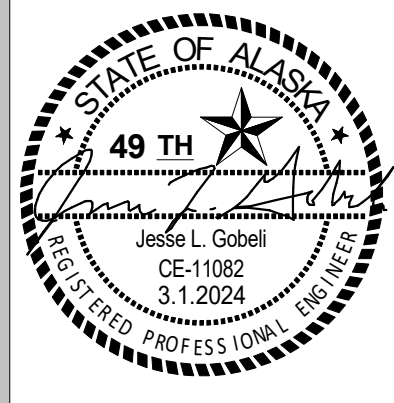
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ANCHORAGE SCHOOL DISTRICT

Spring Hill Elementary School Roof Replacement

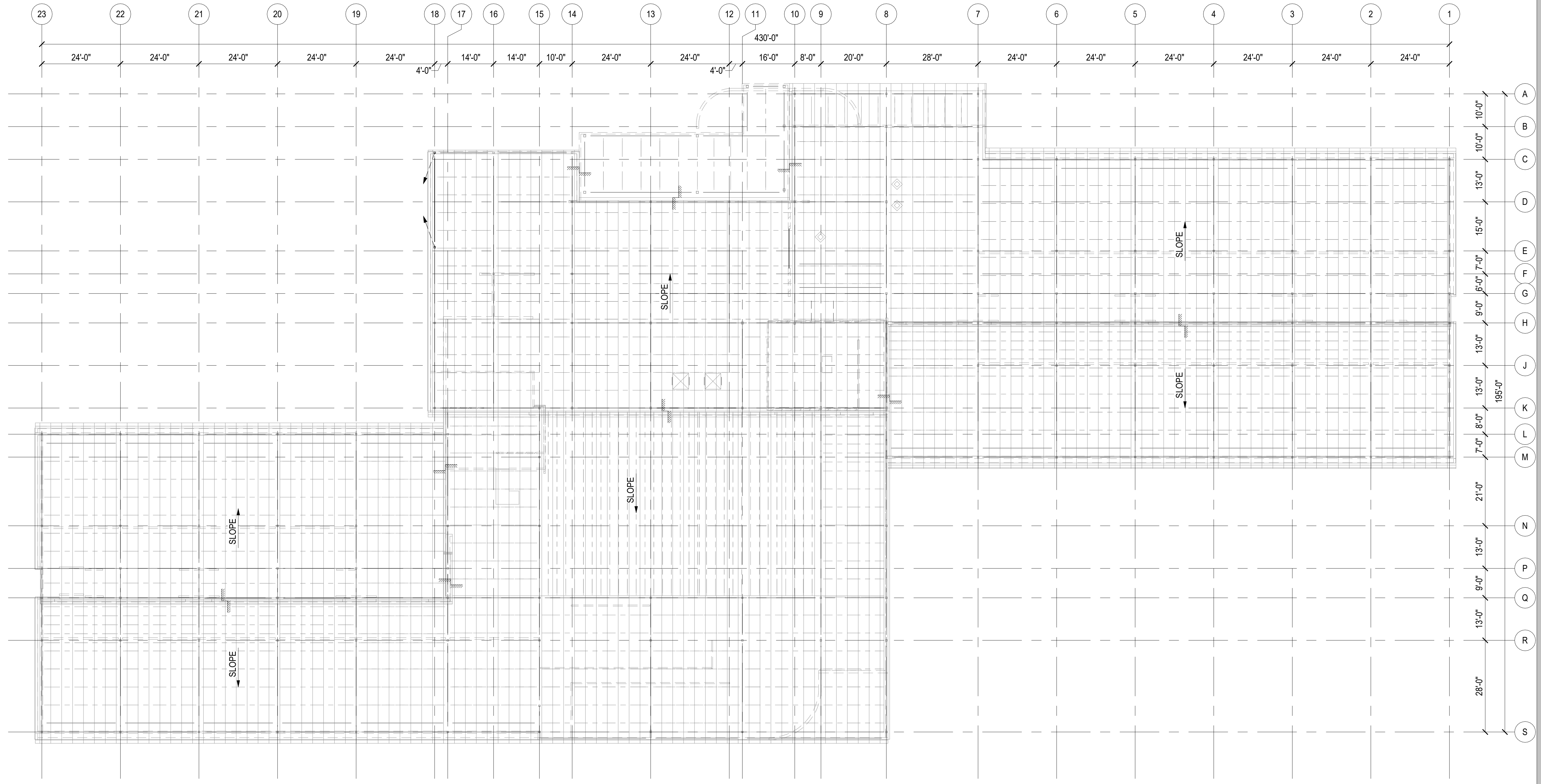
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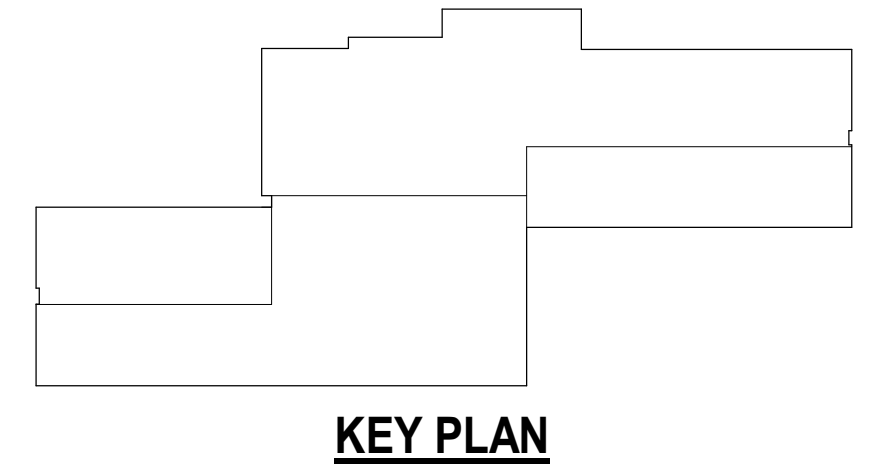
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 DATE: 02/14/2024
 PROJ. MGR.: JG
 DRAWN BY: MEH
 REVIEWED BY: JG
 REVISIONS:

OVERALL ROOF FRAMING PLAN

SHEET NO.
S102



1 OVERALL ROOF FRAMING PLAN
 SCALE: 1/16" = 1'-0"



PLOT DATE: 3/1/2024 4:57:33 PM

NOTIFICATION OF POTENTIAL HAZARD
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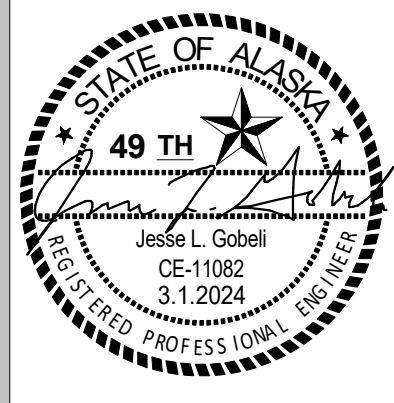
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**Spring Hill
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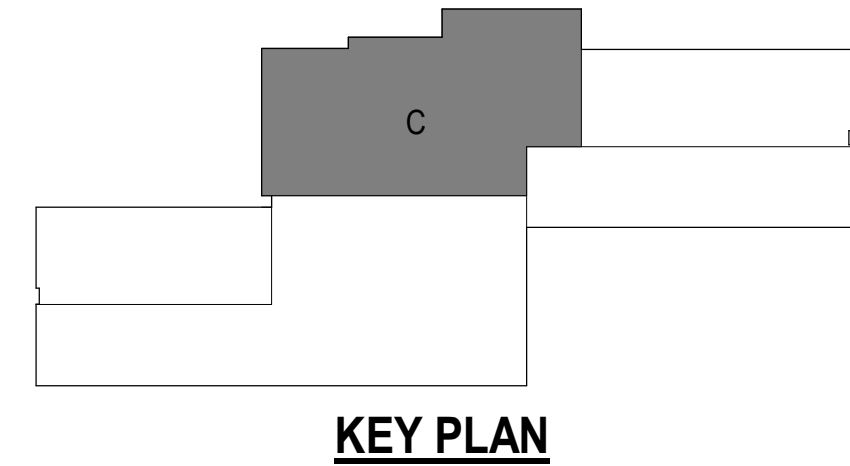
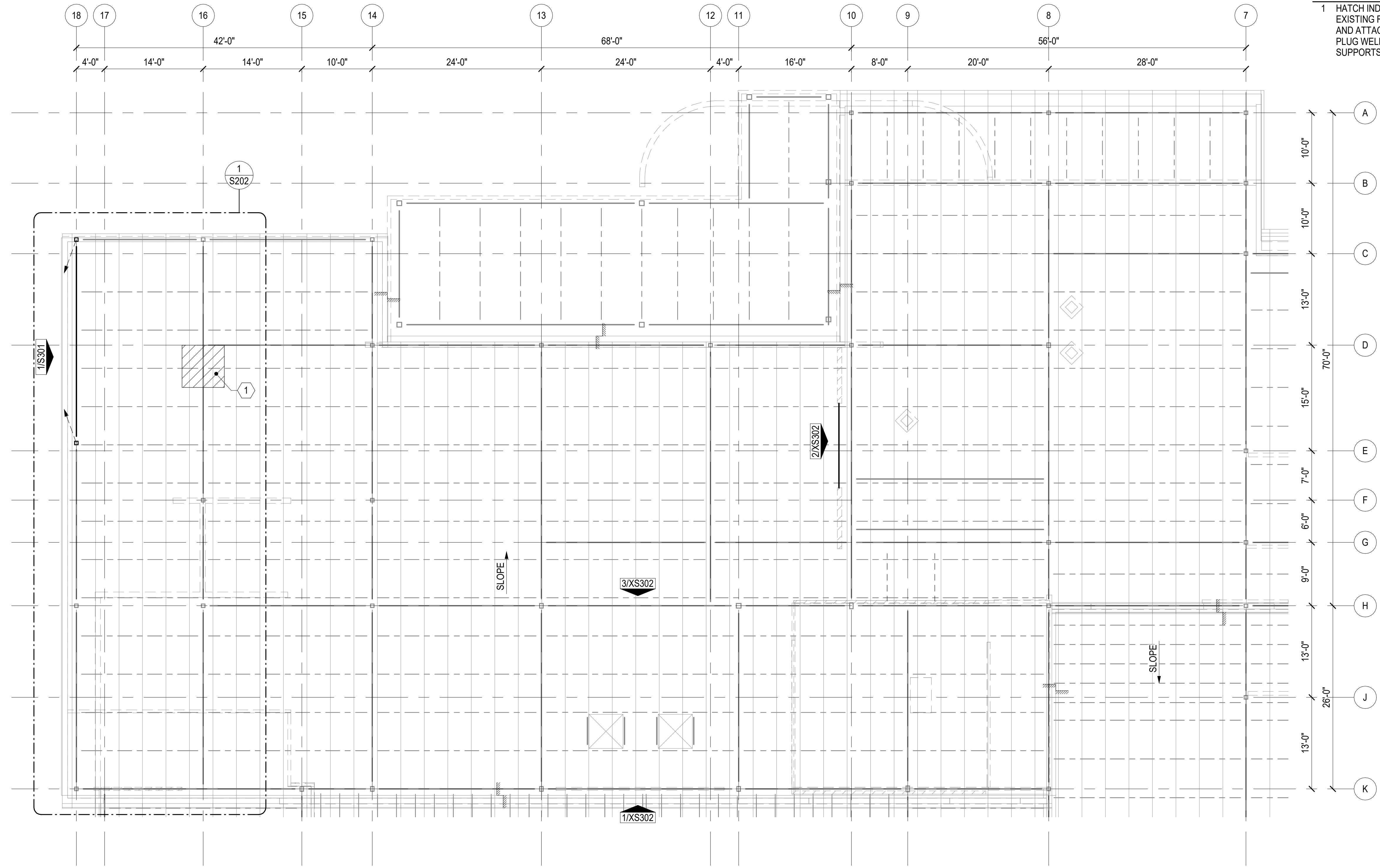
JOB NO.	24.010
DATE:	02/14/2024
PROJ. MGR.:	JG
DRAWN BY:	MEH
REVIEWED BY:	JG
REVISIONS:	

**ROOF FRAMING
PLAN - AREA C**

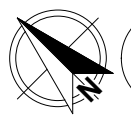
SHEET NO.
S103

FRAMING KEYNOTES:

- 1 HATCH INDICATES AREAS OF KNOWN ROOF LEAKS. REPLACE EXISTING ROOF DECK AS REQUIRED. MATCH EXISTING ROOF DECK AND ATTACHMENT: 1 1/2" B-30 18 GAGE ROOF DECK WITH 3/4" DIA PLUG WELDS AT 12" OC AT BOUNDARIES AND (6) PER PANEL AT ALL SUPPORTS, CONNECT SIDE LAPS WITH TOP SEAM WELDS AT 24" OC.



PLOT DATE: 3/1/2024 4:57:34 PM



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

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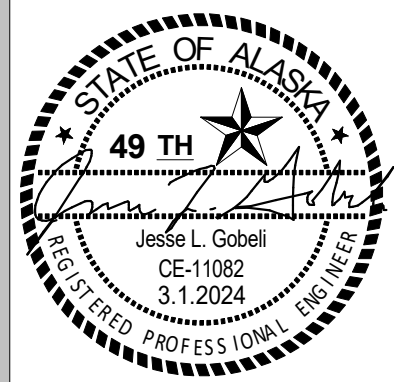
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**Spring Hill
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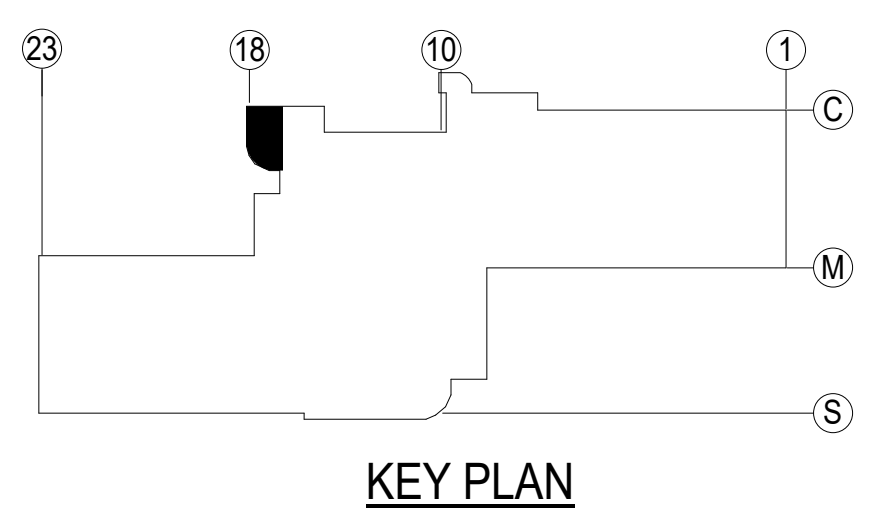
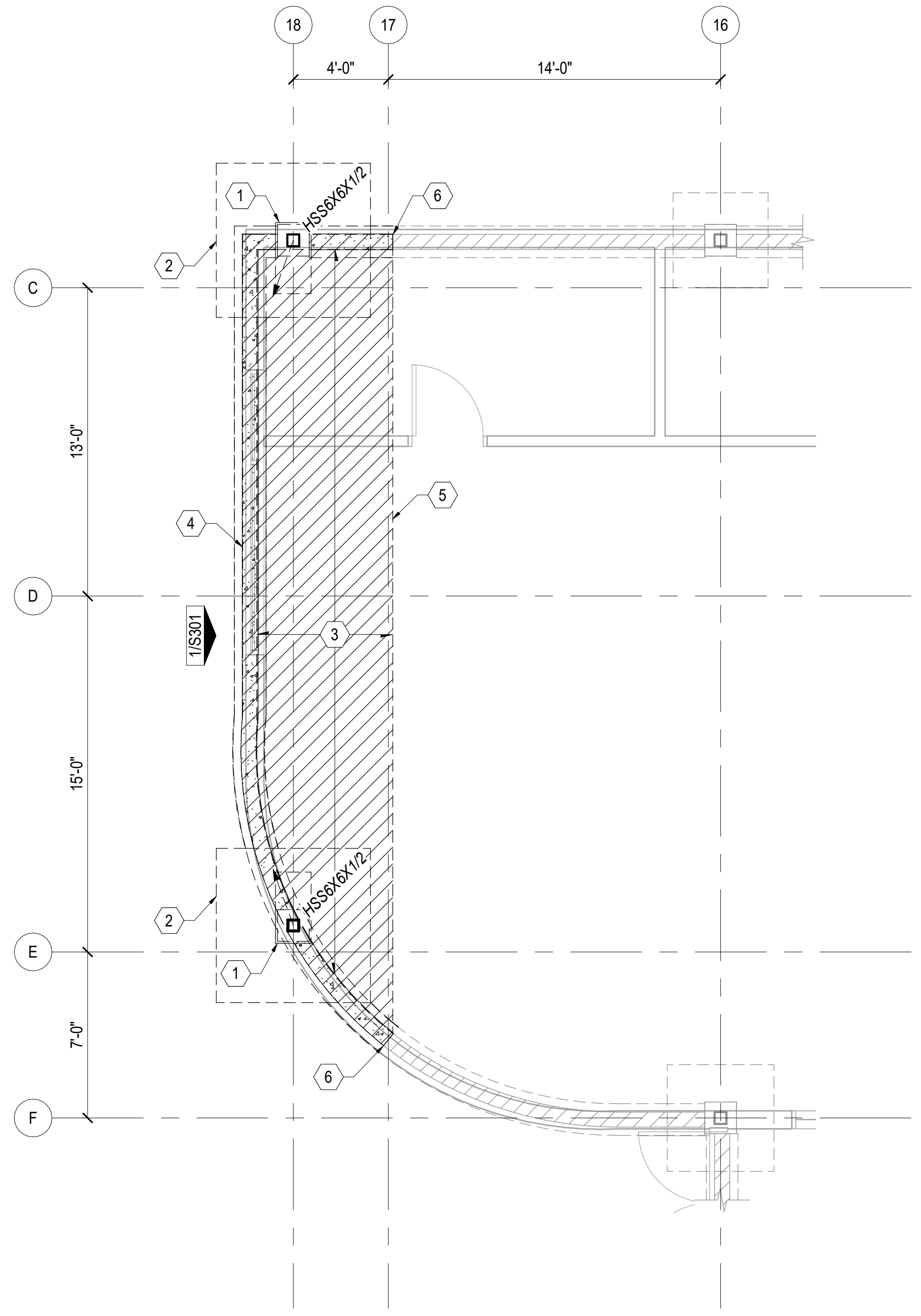
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 DATE: **02/14/2024**
 PROJ. MGR.: **JG**
 DRAWN BY: **MEH**
 REVIEWED BY: **JG**
 REVISIONS:

**ENLARGED
FOUNDATION
PLAN**

SHEET NO.
S201

- SHEET KEYNOTES:**
- 1 NEW 1'-6" X 3'-0" CONCRETE PEDESTAL
 - 2 NEW 18" X 6'-6" X 6'-6" CONCRETE FOOTING. REINFORCE WITH #5 BARS AT 12" OC EW, TOP AND BOTTOM
 - 3 DEMO (E) CONC SLAB ON GRADE AS REQ'D FOR NEW FOOTINGS AND PEDESTALS. REPLACE WITH 4" CONCRETE SLAB ON GRADE, REINFORCED WITH #4 BARS AT 18" OC, EW, AND DOWEL INTO (E) SLAB 4" MIN
 - 4 DEMO (E) CONC FOOTING AND MASONRY STEM WALL AS REQ'D FOR NEW FOOTINGS AND PEDESTALS. REPLACE WITH 12" x 16" W CONCRETE FOOTING AND 8" CONCRETE STEM WALL. REINFORCE FOOTING WITH (2) #5 BARS, BOTTOM. REINFORCE STEMWALL WITH #4 BARS AT 16" OC EW.
 - 5 ADD SHORING WALL INBOARD OF DEMO SLAB LOCATION TO SUPPORT ABOVE ROOF, JOISTS, AND CEILING.
 - 6 DOWEL REINFORCEMENT FROM NEW TO (E) STEMWALL AND FOOTING.



PLOT DATE: 3/1/2024 4:57:34 PM

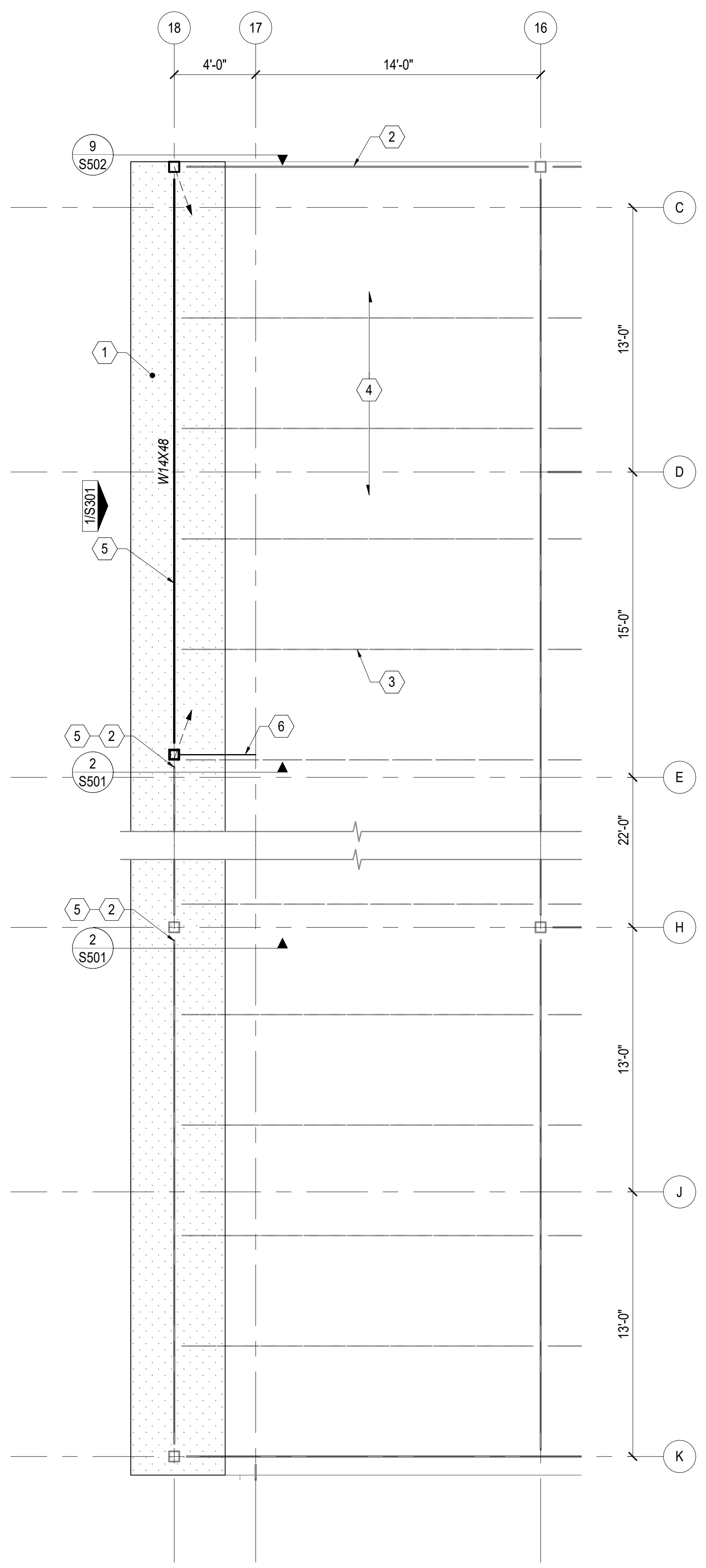
1 ENLARGED FOUNDATION PLAN - AREA AA
 SCALE: 1/4" = 1'-0"

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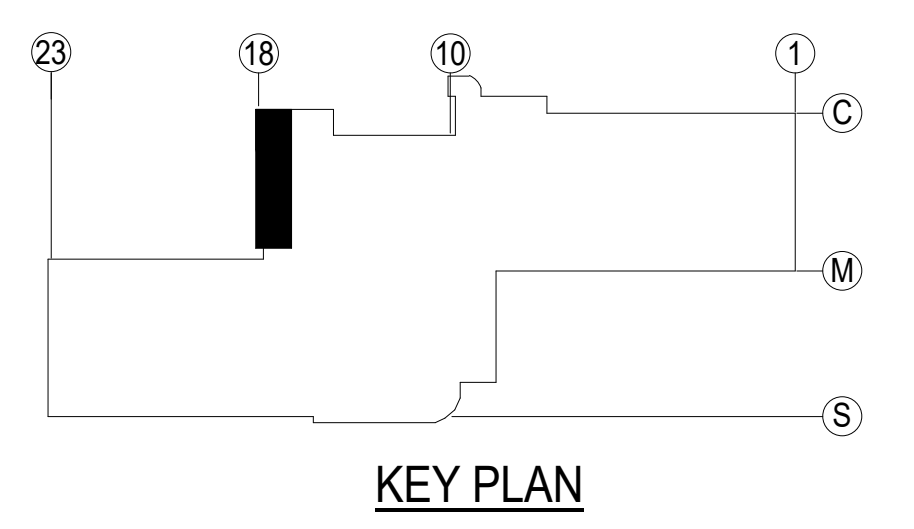
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- SHEET KEYNOTES:**
- 1 DETACH (E) DECKING FROM ROOF SUPPORTS ALONG GRID 18. ATTACH (E) DECKING TO SUPPORT MEMBERS WITH 3/4" PUDDLE WELDS, MIN (3) AT 2'-0" OC.
 - 2 SHORE BEAM PRIOR TO STRUCTURAL DEMO.
 - 3 SHORE JOISTS SUPPORTED BY DEMO'D BEAM PRIOR TO REMOVAL.
 - 4 (E) 1-1/2" TYPE B MTL DECK
 - 5 PROVIDE 2L4x4x3/8 KICKERS AT EA JOIST TO BEAM BOTTOM FLANGE.
 - 6 KICKER BRACE FROM COL TO (E) JOIST

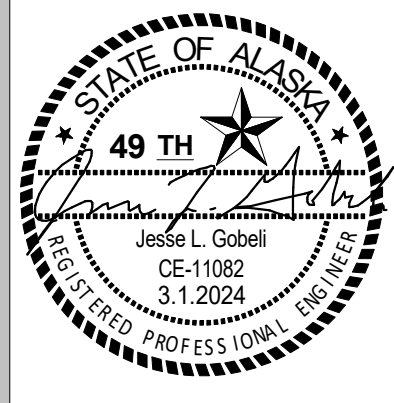


1 ENLARGED ROOF FRAMING PLAN - AREA AA
 SCALE: 1/4" = 1'-0"

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ANCHORAGE SCHOOL DISTRICT

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JOB NO. **24.010**
 DATE: **02/14/2024**
 PROJ. MGR.: **JG**
 DRAWN BY: **MEH**
 REVIEWED BY: **JG**
 REVISIONS:

ENLARGED ROOF FRAMING PLAN

SHEET NO.
S202

NOTIFICATION OF POTENTIAL HAZARD
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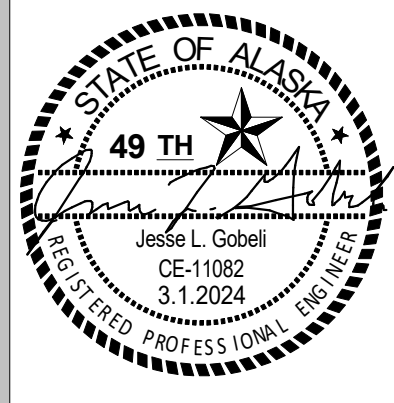
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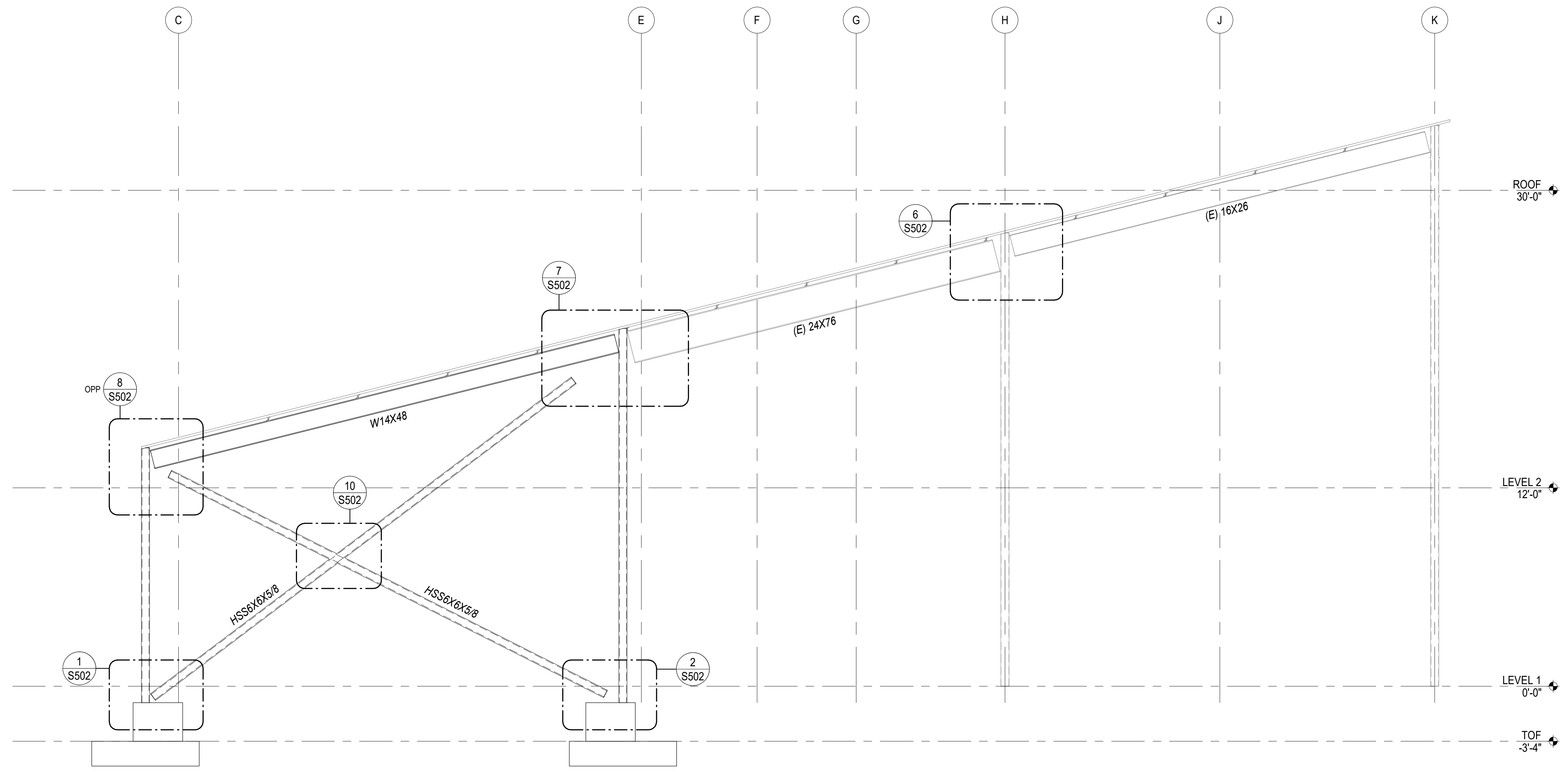
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REVISIONS:	

BRACED FRAME ELEVATION

SHEET NO.
S301



1 BRACED FRAME ELEVATION
 SCALE: 1/4" = 1'-0"

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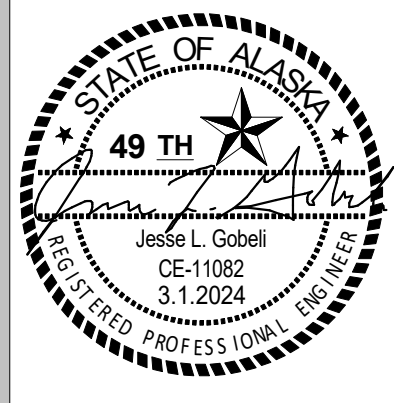
NOTIFICATION OF CHILD OCCUPIED FACILITY
 PORTIONS OF THIS BUILDING ARE CLASSIFIED AS A CHILD OCCUPIED FACILITY IN ACCORDANCE WITH 40 CFR 745 AND LEAD-BASED PAINTS MAY BE PRESENT ON COMPONENTS TO BE DISTURBED IN THOSE AREAS. PERSONNEL PERFORMING WORK IN THESE AREAS MUST COMPLY WITH THE REQUIREMENTS OF 40 CFR 745, INCLUDING TRAINING, WORK PRACTICES AND CLEANING OF THE WORK AREA. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF LEAD MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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ANCHORAGE
 SCHOOL DISTRICT

**Spring Hill
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 Replacement**

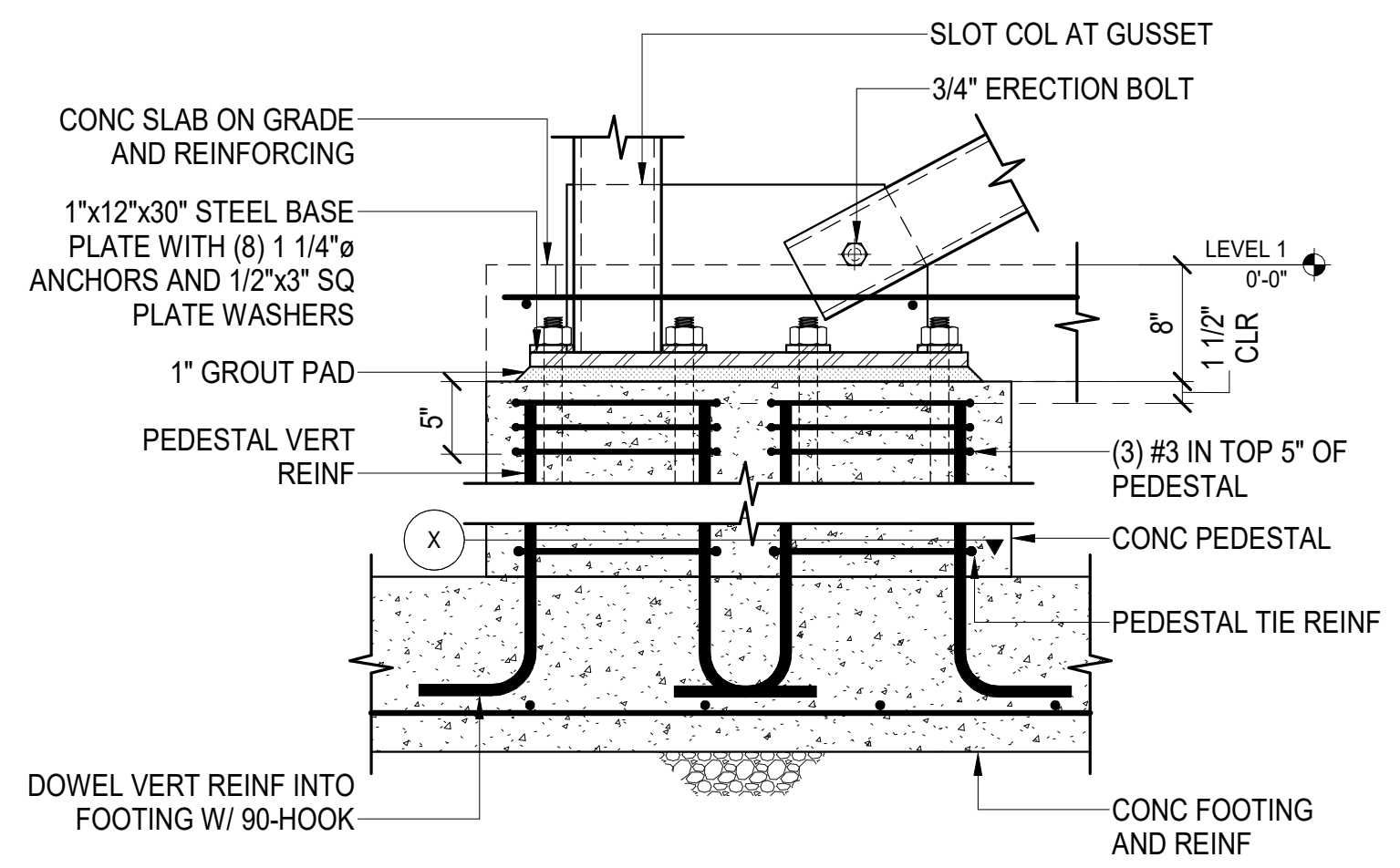
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 DOCUMENTS**

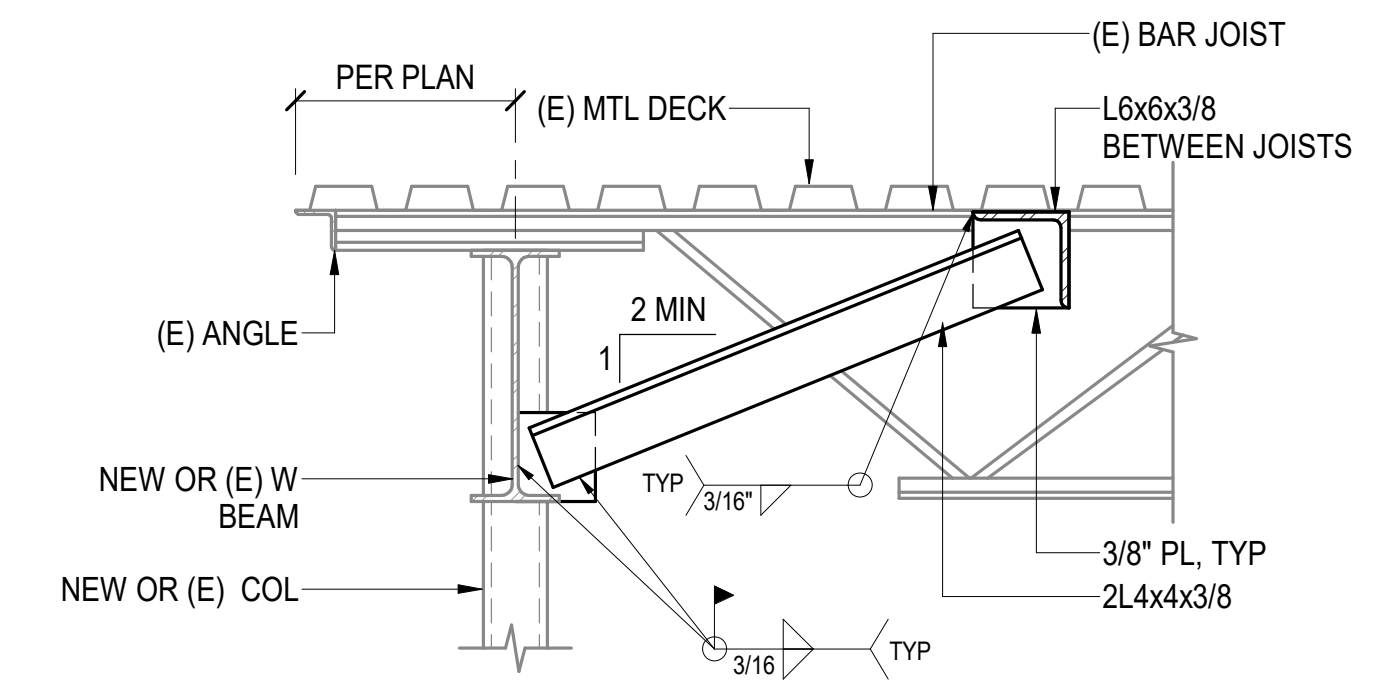
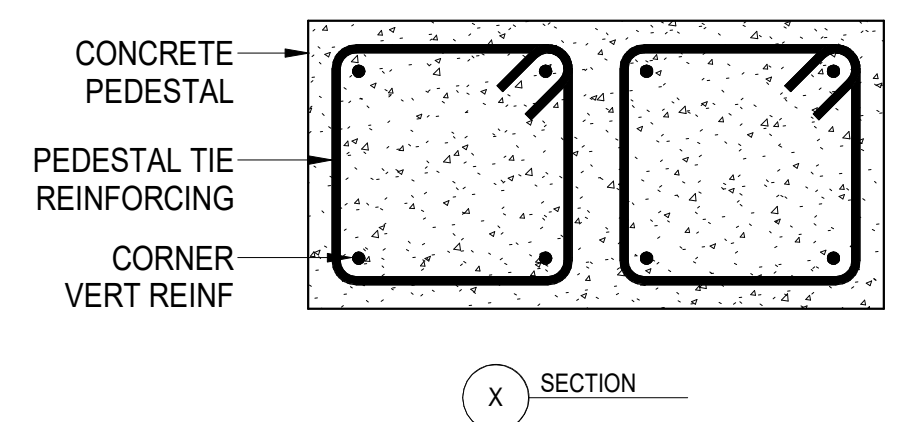
JOB NO. **24.010**
 DATE: **02/14/2024**
 PROJ. MGR.: **JG**
 DRAWN BY: **MEH**
 REVIEWED BY: **JG**
 REVISIONS:

DETAILS

SHEET NO.
S501



1 TYP STEEL BRACE AT CONC PEDESTAL
 SCALE: NTS



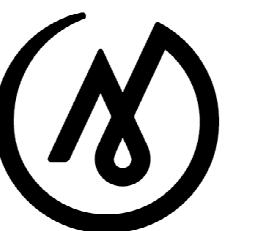
2 TYP STEEL BRACE AT STEEL BEAM
 SCALE: NTS

NOTIFICATION OF POTENTIAL HAZARD
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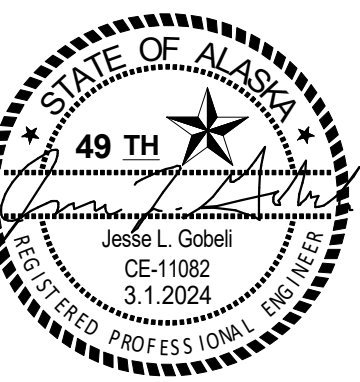


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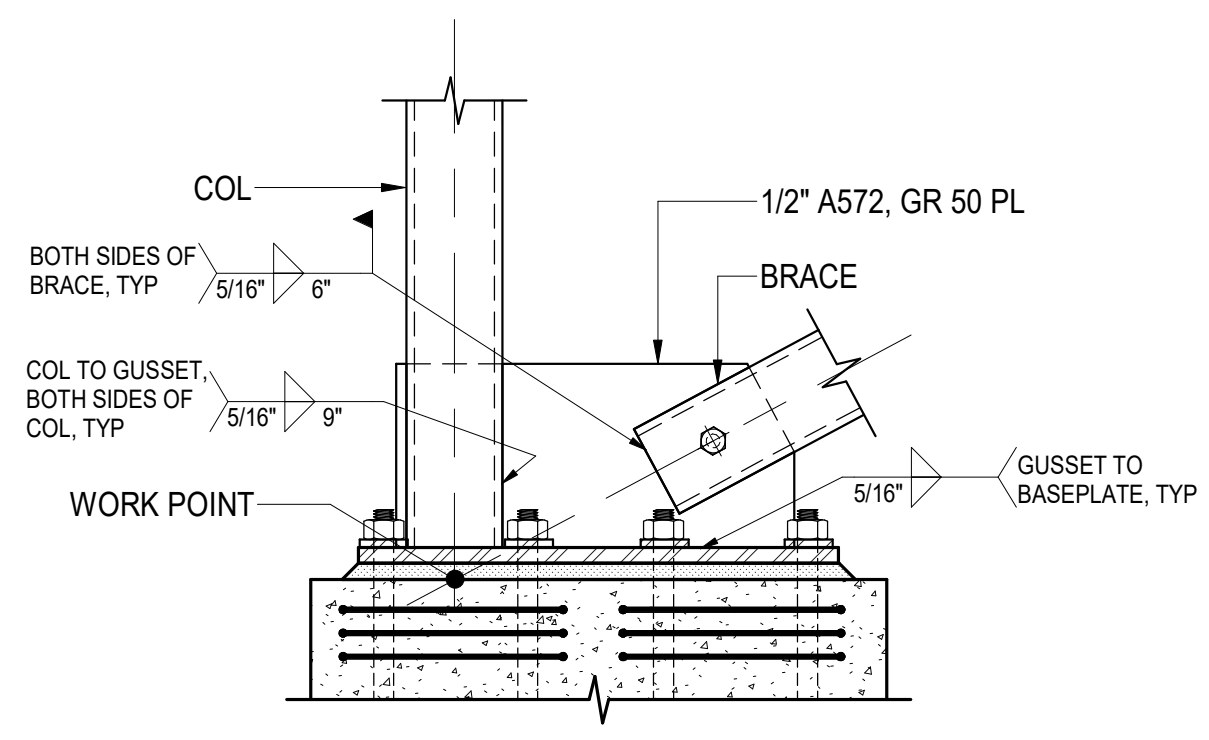
ANCHORAGE
 SCHOOL DISTRICT

**Spring Hill
 Elementary
 School Roof
 Replacement**

9911 Lake Otis Pkwy,
 Anchorage, AK

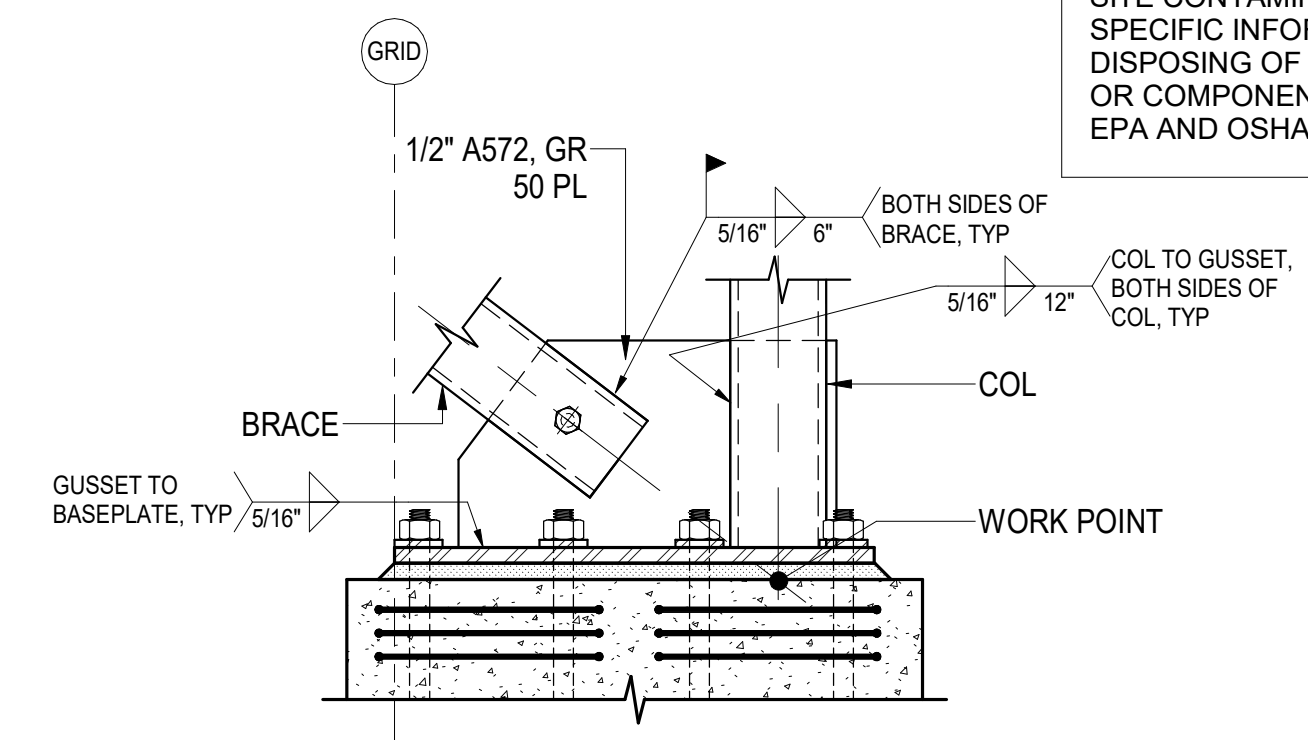
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 DOCUMENTS

JOB NO. 24.010
 DATE: 02/14/2024
 PROJ. MGR.: JG
 DRAWN BY: MEH
 REVIEWED BY: JG
 REVISIONS:



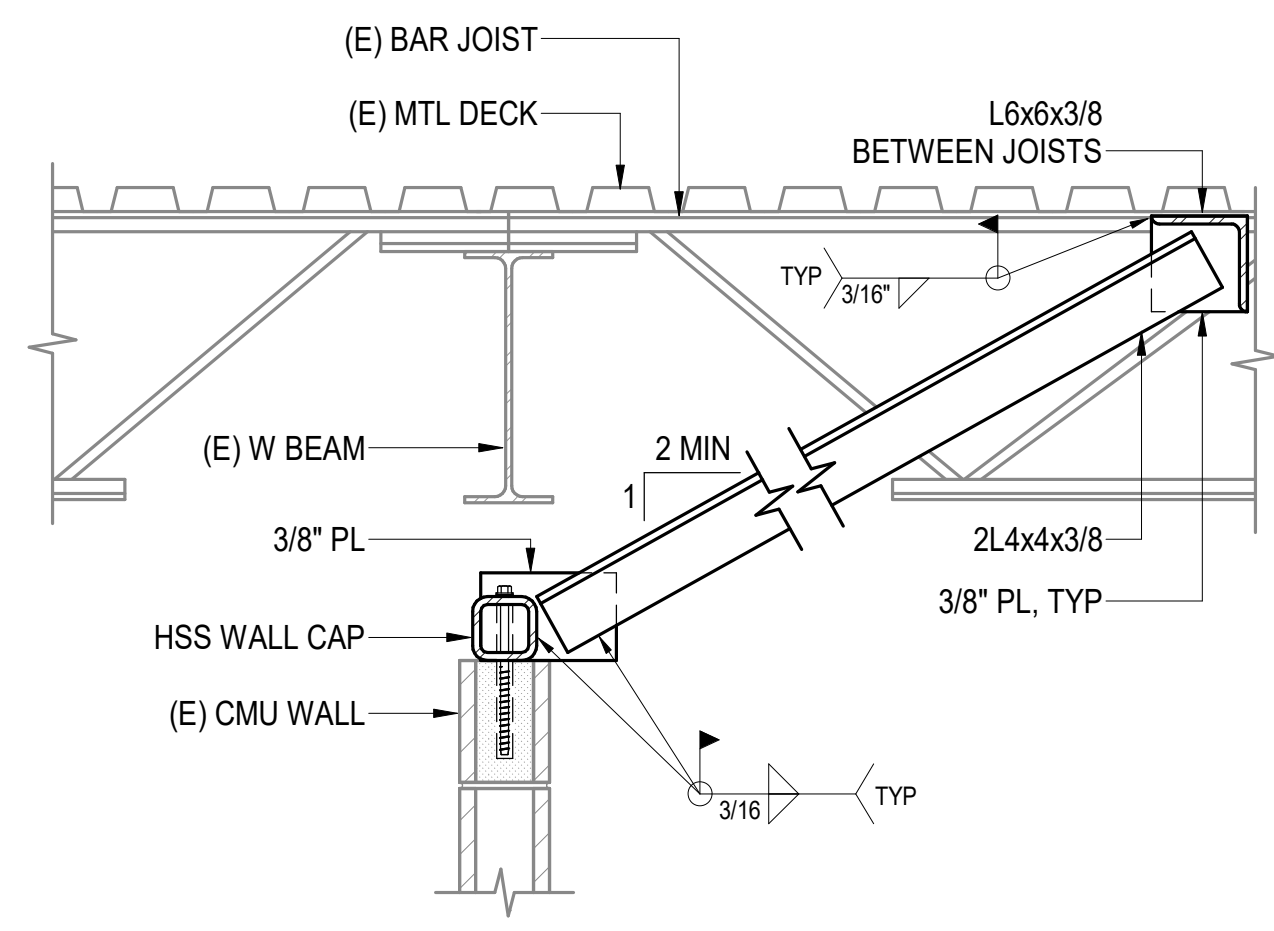
NOTE:
 A. CONC SLAB ON GRADE AND STEM WALL NOT SHOWN FOR CLARITY.
 B. FOR INFORMATION SHOWN BUT NOT SPECIFIED, SEE DETAIL 1 / S501.

1 STEEL BRACE AT STEEL COLUMN
 SCALE: NTS

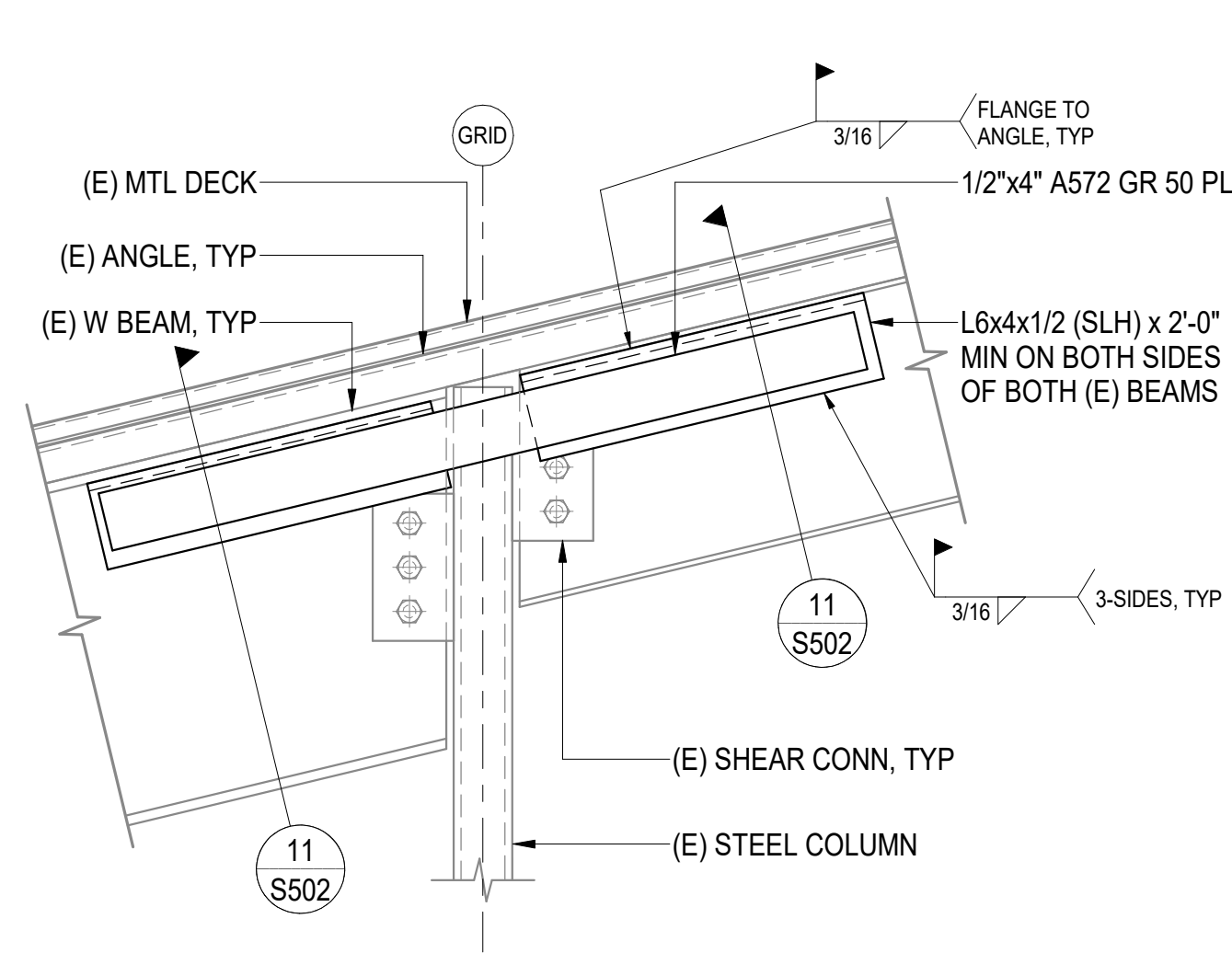


NOTE:
 A. CONC SLAB ON GRADE AND STEM WALL NOT SHOWN FOR CLARITY.
 B. FOR INFORMATION SHOWN BUT NOT SPECIFIED, SEE DETAIL 1 / S501.

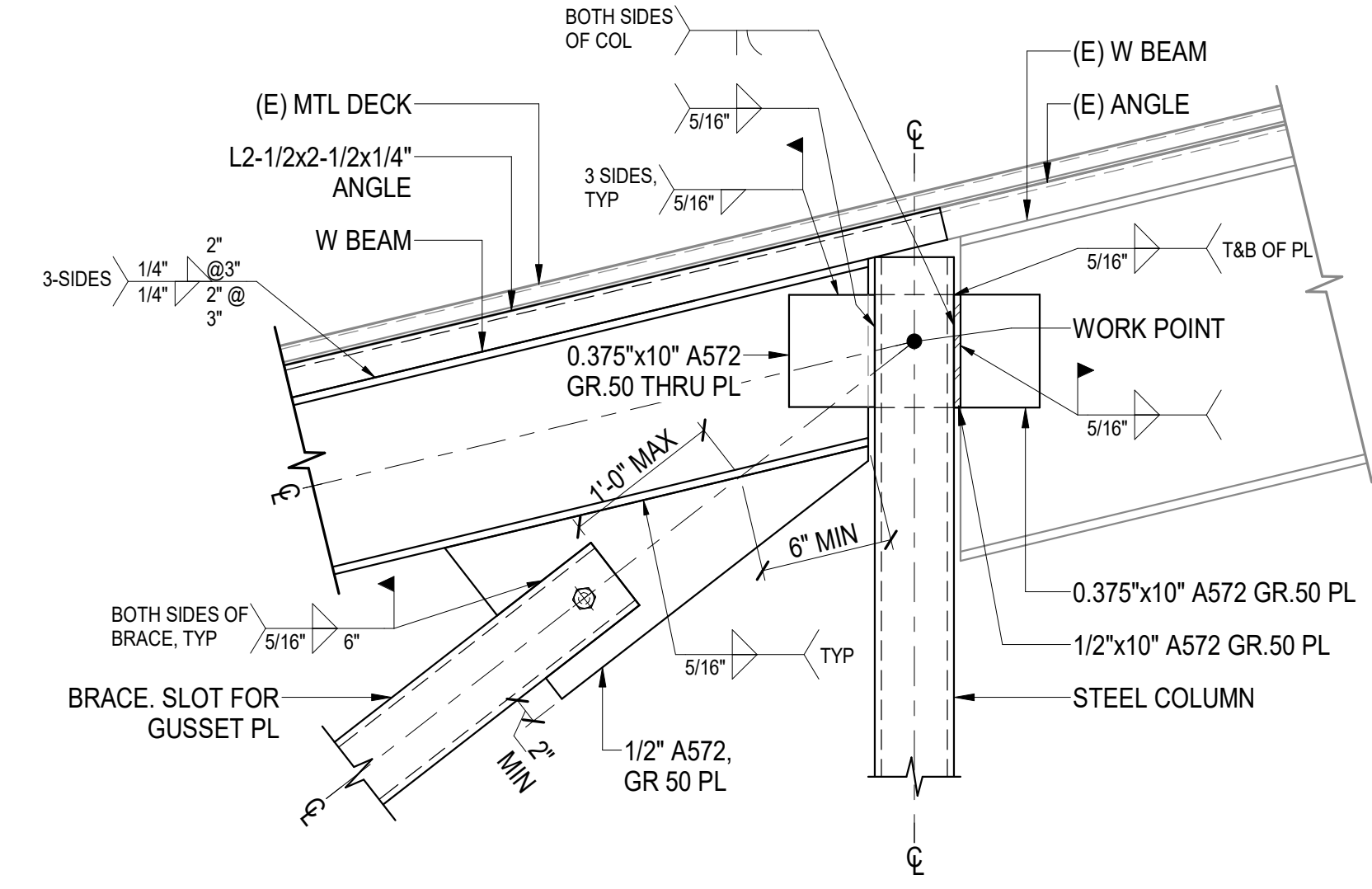
2 STEEL BRACE AT STEEL COLUMN
 SCALE: NTS



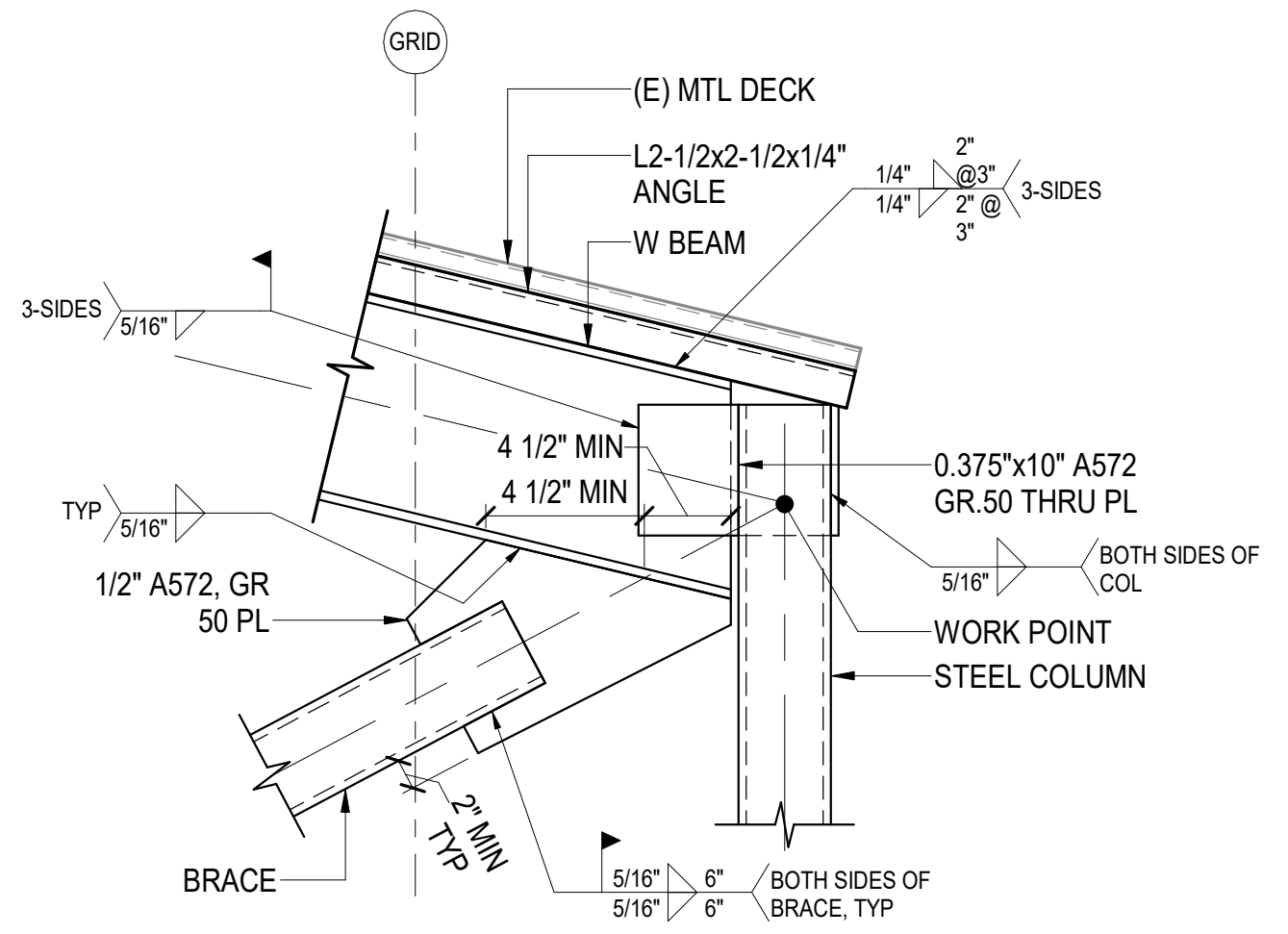
5 STEEL KICKER AT EXISTING CMU WALL
 SCALE: NTS



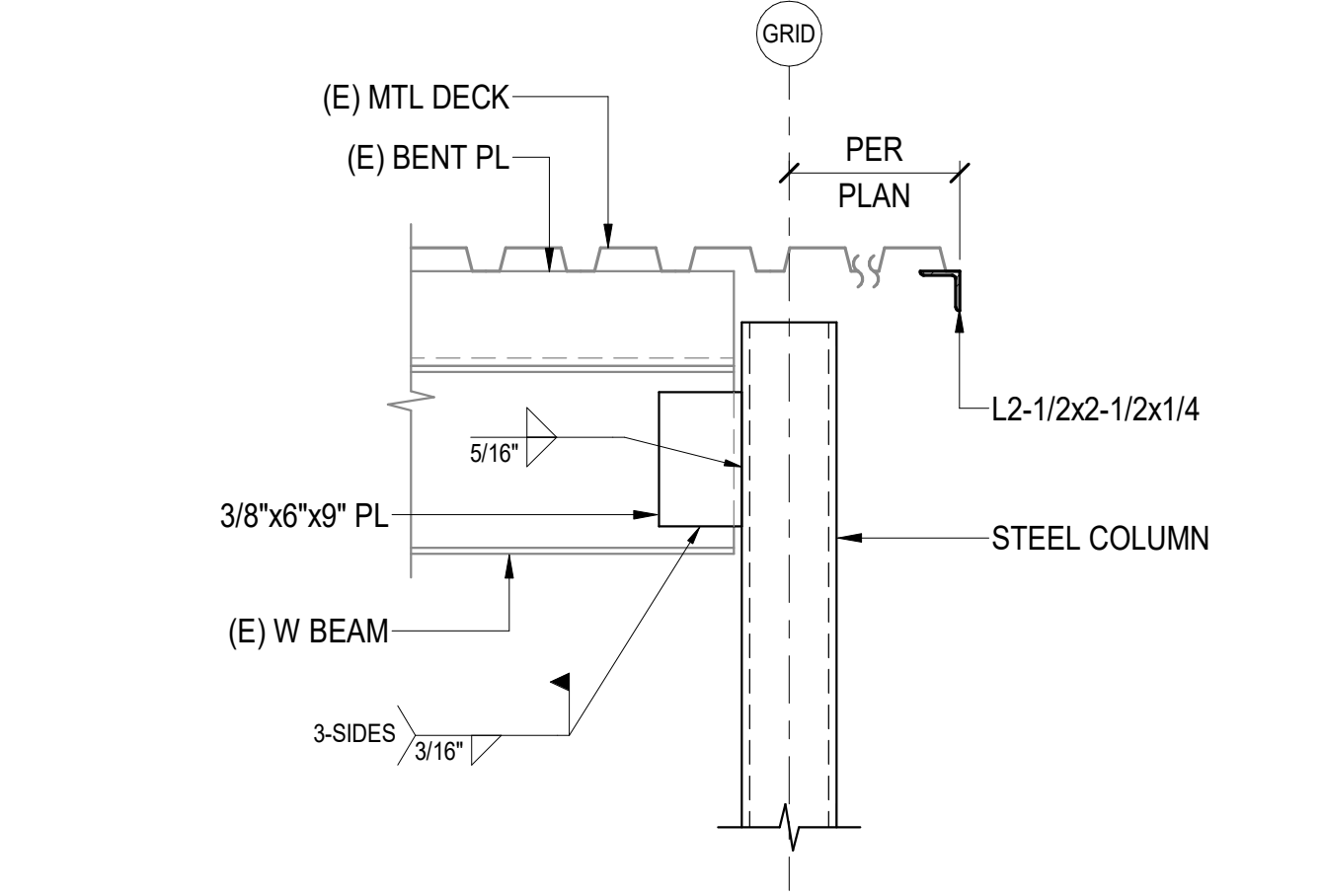
6 STEEL BEAM AT STEEL COLUMN
 SCALE: NTS



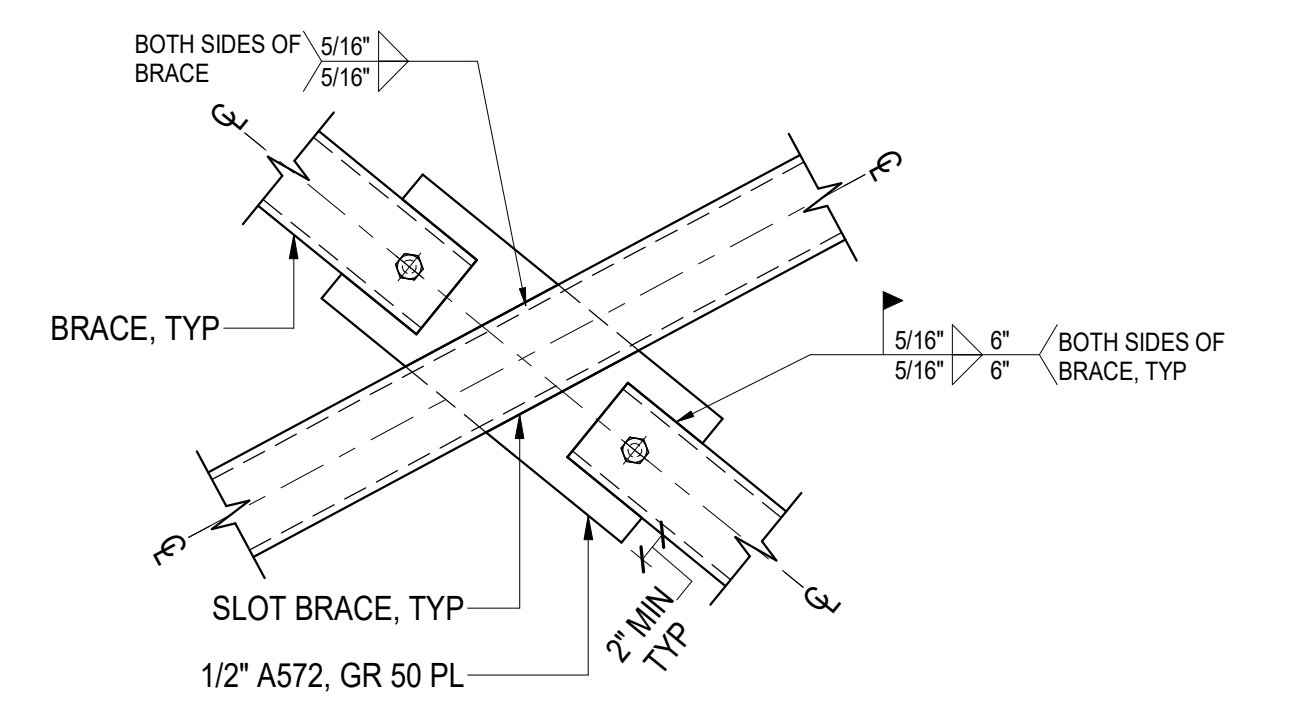
7 STEEL BRACE AT STEEL BEAM
 SCALE: NTS



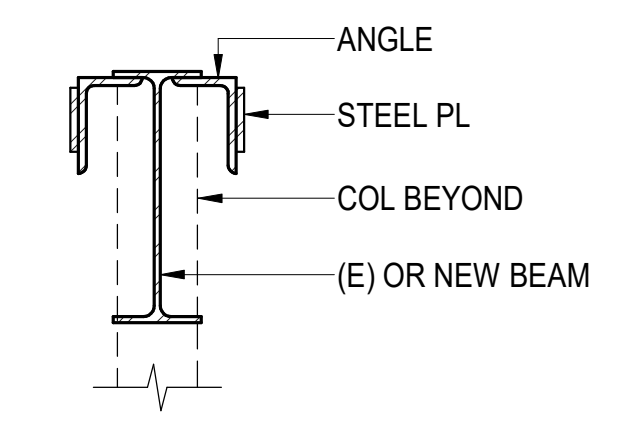
8 STEEL BRACE AT STEEL BEAM
 SCALE: NTS



9 STEEL BEAM AT STEEL COLUMN
 SCALE: NTS



10 STEEL BRACE AT STEEL BRACE
 SCALE: NTS



11 STEEL BEAM AT STEEL BEAM
 SCALE: NTS

DETAILS

SHEET NO.
S502

PLOT DATE: 3/1/2024 4:57:36 PM

NOTIFICATION OF POTENTIAL HAZARD
 ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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ANCHORAGE SCHOOL DISTRICT

Spring Hill Elementary School Roof Replacement

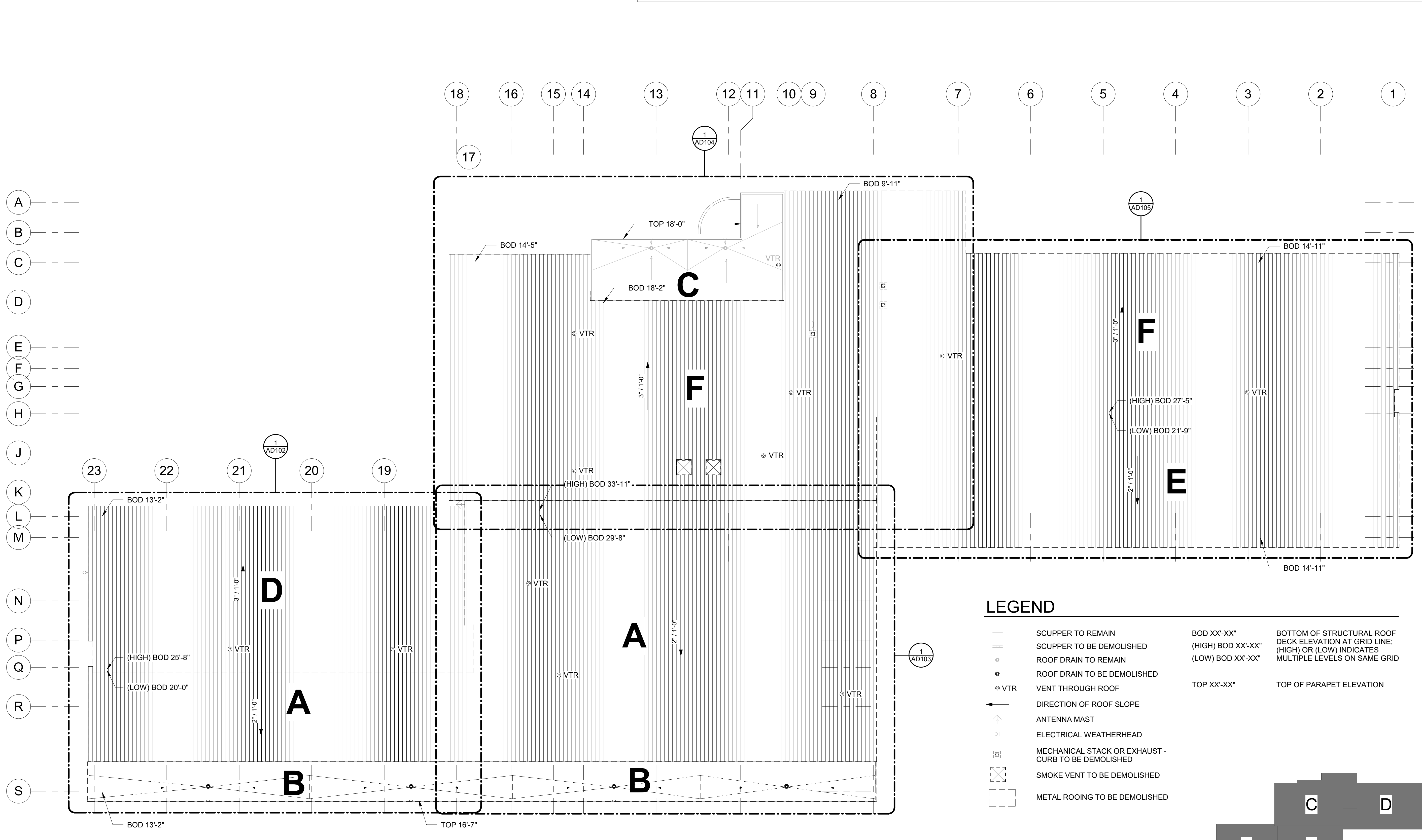
9911 Lake Otis Pkwy, Anchorage, AK 99507

100% BID DOCUMENTS

JOB NO.: 2023017
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 PROJ. MGR.: JTW
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 REVIEWED BY: -
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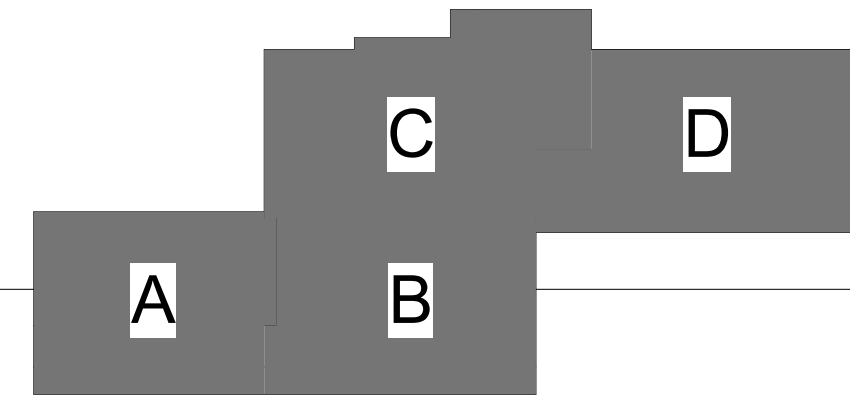
DEMOLITION OVERALL ROOF PLAN

SHEET NO. AD101

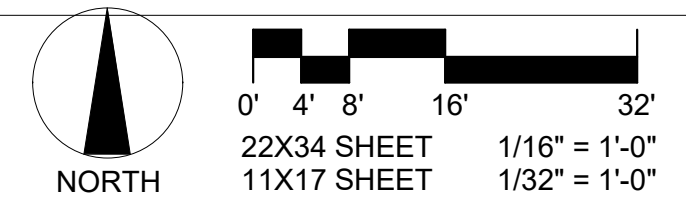


LEGEND

- | | | | |
|-------|---|--------------------|---|
| — | SCUPPER TO REMAIN | BOD XX'-XX" | BOTTOM OF STRUCTURAL ROOF DECK ELEVATION AT GRID LINE; (HIGH) OR (LOW) INDICATES MULTIPLE LEVELS ON SAME GRID |
| --- | SCUPPER TO BE DEMOLISHED | (HIGH) BOD XX'-XX" | |
| ○ | ROOF DRAIN TO REMAIN | (LOW) BOD XX'-XX" | |
| ● | ROOF DRAIN TO BE DEMOLISHED | TOP XX'-XX" | TOP OF PARAPET ELEVATION |
| ⊙ VTR | VENT THROUGH ROOF | | |
| ↙ | DIRECTION OF ROOF SLOPE | | |
| ↑ | ANTENNA MAST | | |
| ⊙ | ELECTRICAL WEATHERHEAD | | |
| ⊠ | MECHANICAL STACK OR EXHAUST - CURB TO BE DEMOLISHED | | |
| ⊠ | SMOKE VENT TO BE DEMOLISHED | | |
| ⊠ | METAL ROOFING TO BE DEMOLISHED | | |



1 DEMOLITION OVERALL ROOF PLAN
 AD101 1/16" = 1'-0"



NOTIFICATION OF POTENTIAL HAZARD
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JOB NO. 2023017
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**DEMOLITION
ROOF PLAN -
AREA A**

SHEET NO.
AD102

GENERAL NOTES-DEMOLITION





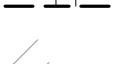


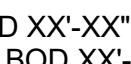
1. THE INFORMATION SHOWN IN THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND A WALK-THRU OF THE EXISTING FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS OF THE ACCURACY OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY CRITICAL ITEMS, AREA, AND ASSEMBLIES SHOWN FOR DEMOLITION PRIOR TO START OF WORK
2. ROOF ELEVATIONS SHOWN INDICATE BOTTOM OF STRUCTURAL DECK AT GRIDS AND ARE APPROXIMATE. DATUM FOR ROOF ELEVATIONS IS 0'-0" AT FIRST FLOOR
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
4. DEMOLISH ALL EXISTING ROOF ASSEMBLIES DOWN TO STRUCTURAL ROOF DECK (EXCEPT AT NIC ROOFS) AND PREPARE SUBSTRATE FOR NEW ROOF ASSEMBLY
5. CONTRACTOR SHALL COORDINATE SITE ACCESS AND STAGING AREA WITH THE OWNER
6. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL SHEETS FOR RELATED DEMOLITION INFORMATION

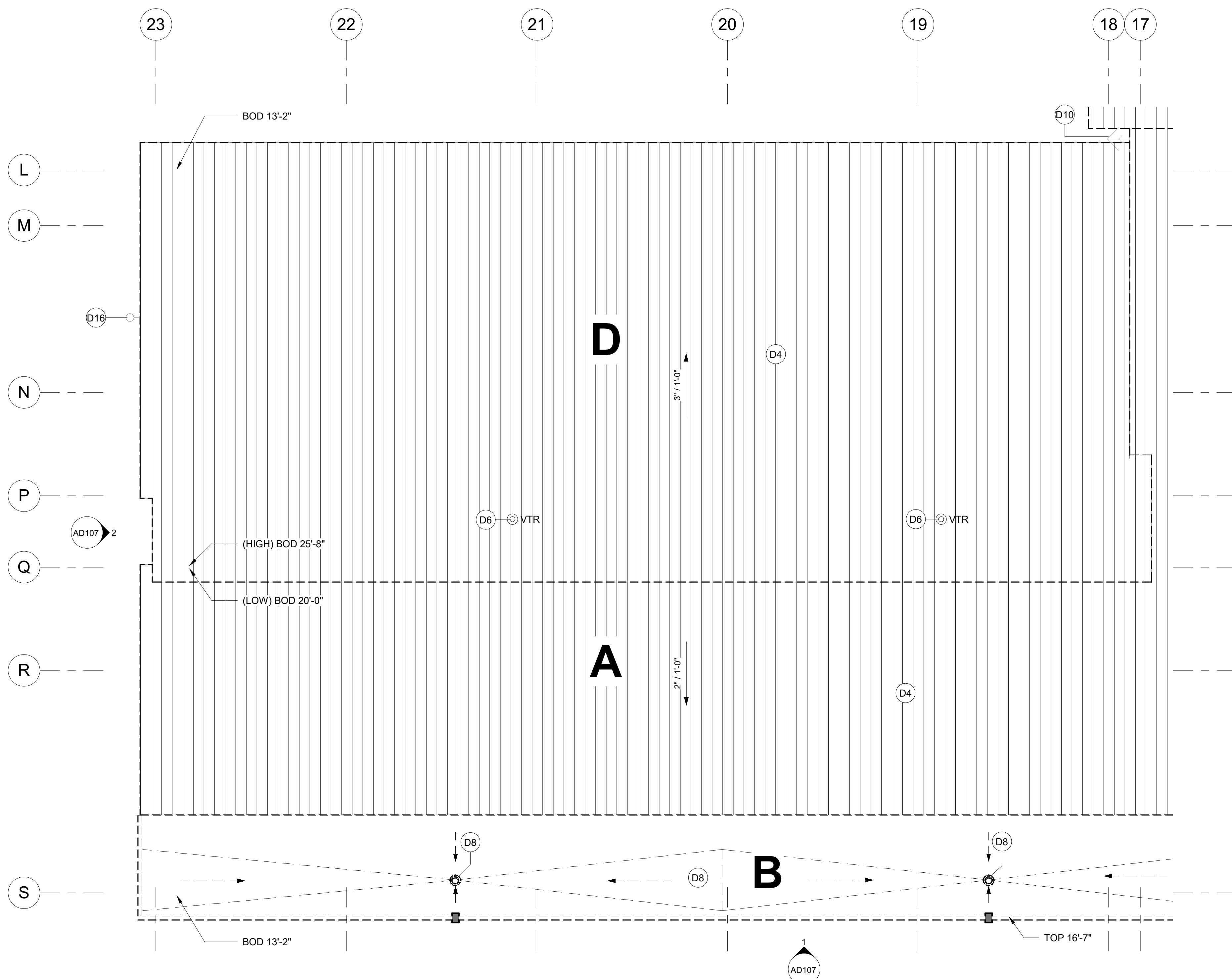
ROOF PLAN GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE AND MAINTAIN ADEQUATE DRAINAGE FROM ALL ROOFS DURING DEMOLITION AND CONSTRUCTION

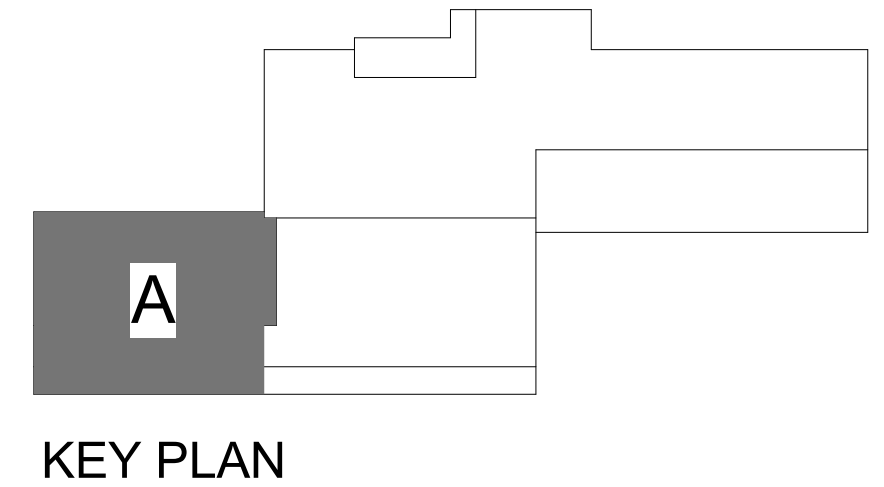
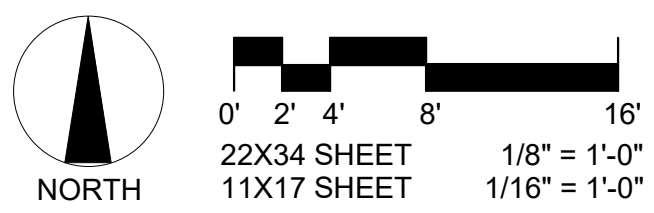
KEYNOTES	
D4	DEMOLISH EXISTING METAL ROOFING DOWN TO EXISTING STRUCTURAL STEEL DECKING, INCLUDING FASCIA FLASHINGS. DO NOT COVER UNTIL STRUCTURAL DESIGNER OF RECORD INSPECTS EXPOSED STRUCTURAL DECKING
D6	VTR TO REMAIN, COORDINATE WITH NEW ROOF
D8	DEMOLISH EXISTING EPDM ROOFING, DRAINS, CRICKETS, AND PARAPETS IN THEIR ENTIRETY DOWN TO ORIGINAL STEEL ROOF DECK.
D10	EXISTING WALL MOUNT ANTENNA MAST. REMOVE AND SALVAGE FOR REINSTALLATION
D16	EXISTING ELECTRICAL WEATHERHEAD TO REMAIN

DEMOLITION ROOF LEGEND

-  METAL ROOFING TO BE DEMOLISHED
-  ROOF DRAIN TO BE DEMOLISHED
-  MECHANICAL STACK OR VENT WITH CURB
-  VTR THROUGH ROOF
-  SCUPPER TO BE DEMOLISHED
-  ANTENNA
-  VENT THROUGH ROOF
-  DIRECTION OF ROOF SLOPE
- BOD XX'-XX"
(HIGH) BOD XX'-XX"
(LOW) BOD XX'-XX"
- TOP XX'-XX"
- ① SHEET NOTES



1 DEMOLITION ROOF PLAN - AREA A
 AD102 1/8" = 1'-0"



NOTIFICATION OF POTENTIAL HAZARD
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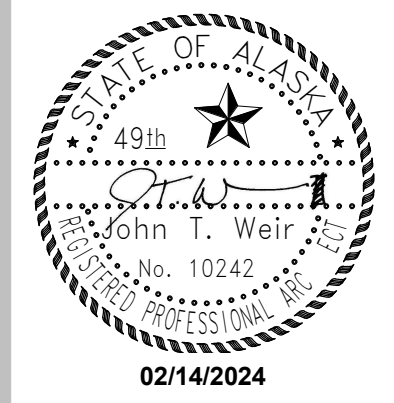
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**ANCHORAGE
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**Spring Hill
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DOCUMENTS**

JOB NO. **2023017**
 DATE: **02/14/2024**
 PROJ. MGR.: **JTW**
 DRAWN BY: **DD**
 REVIEWED BY: **-**
 REVISIONS:

**DEMOLITION
ROOF PLAN -
AREA B**

SHEET NO.
AD103

GENERAL NOTES-DEMOLITION



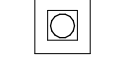

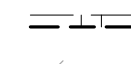


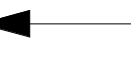

1. THE INFORMATION SHOWN IN THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND A WALK-THRU OF THE EXISTING FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS OF THE ACCURACY OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY CRITICAL ITEMS, AREA, AND ASSEMBLIES SHOWN FOR DEMOLITION PRIOR TO START OF WORK
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4. DEMOLISH ALL EXISTING ROOF ASSEMBLIES DOWN TO STRUCTURAL ROOF DECK (EXCEPT AT NIC ROOFS) AND PREPARE SUBSTRATE FOR NEW ROOF ASSEMBLY
5. CONTRACTOR SHALL COORDINATE SITE ACCESS AND STAGING AREA WITH THE OWNER
6. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL SHEETS FOR RELATED DEMOLITION INFORMATION

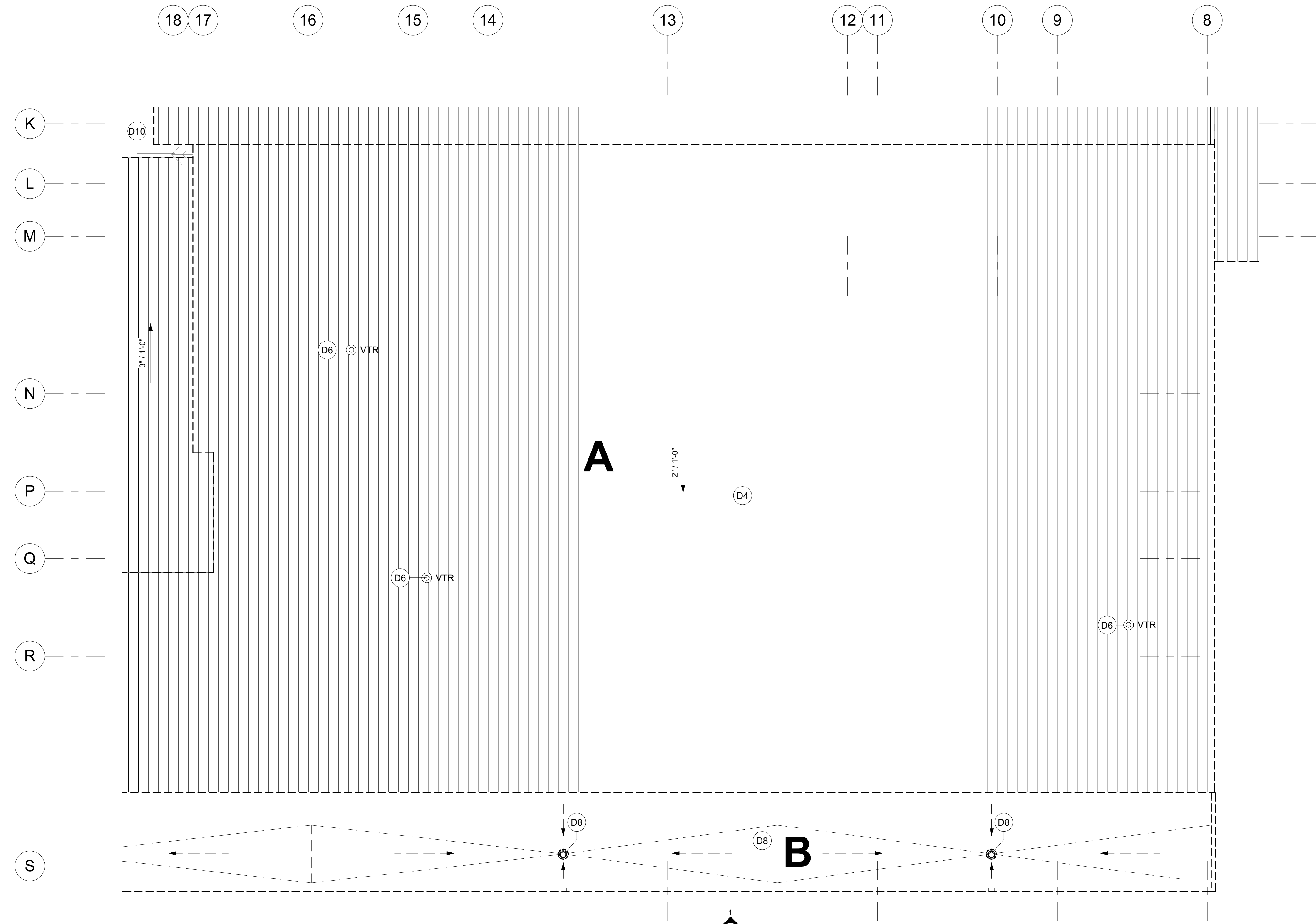
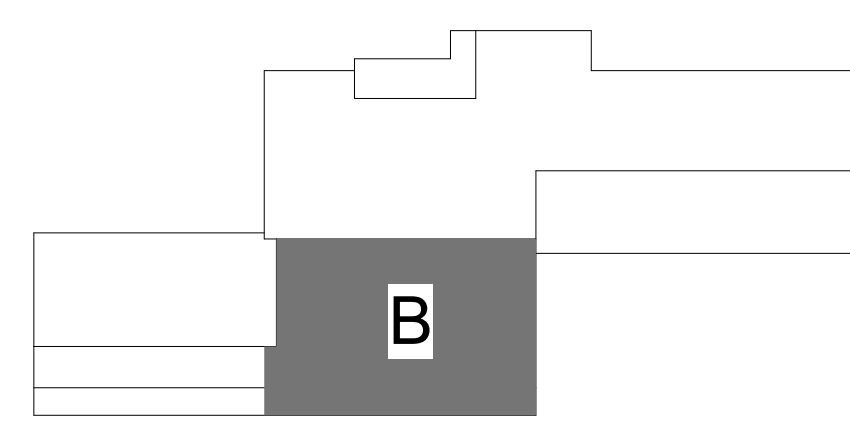
ROOF PLAN GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE DRAINAGE OF ALL ROOFS DURING CONSTRUCTION

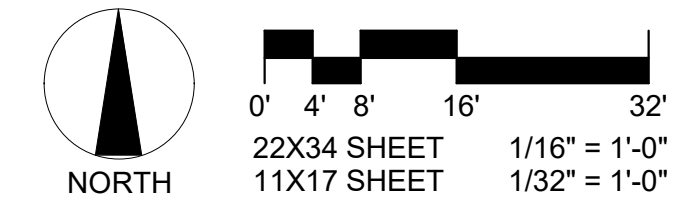
KEYNOTES	
D4	DEMOLISH EXISTING METAL ROOFING DOWN TO EXISTING STRUCTURAL STEEL DECKING, INCLUDING FASCIA FLASHINGS. DO NOT COVER UNTIL STRUCTURAL DESIGNER OF RECORD INSPECTS EXPOSED STRUCTURAL DECKING
D6	VTR TO REMAIN, COORDINATE WITH NEW ROOF
D8	DEMOLISH EXISTING EPDM ROOFING, DRAINS, CRICKETS, AND PARAPETS IN THEIR ENTIRETY DOWN TO ORIGINAL STEEL ROOF DECK.
D10	EXISTING WALL MOUNT ANTENNA MAST. REMOVE AND SALVAGE FOR REINSTALLATION

DEMOLITION ROOF LEGEND

-  METAL ROOFING TO BE DEMOLISHED
-  ROOF DRAIN TO BE DEMOLISHED
-  MECHANICAL STACK OR VENT WITH CURB
-  VTR THROUGH ROOF
-  SCUPPER TO BE DEMOLISHED
-  ANTENNA
-  VENT THROUGH ROOF
-  DIRECTION OF ROOF SLOPE
- BOD XX'-XX"
(HIGH) BOD XX'-XX"
(LOW) BOD XX'-XX"
- TOP XX'-XX"
-  SHEET NOTES



1 DEMOLITION ROOF PLAN - AREA B
 AD103 1/8" = 1'-0"



KEY PLAN

NOTIFICATION OF POTENTIAL HAZARD
 ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

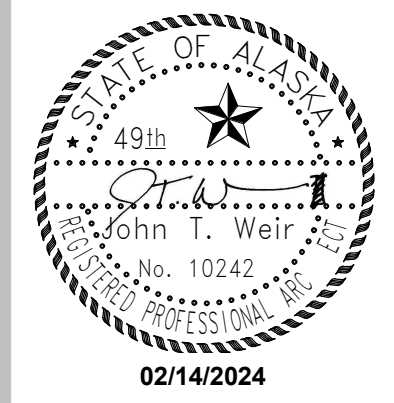
NOTIFICATION OF CHILD OCCUPIED FACILITY
 PORTIONS OF THIS BUILDING ARE CLASSIFIED AS A CHILD OCCUPIED FACILITY IN ACCORDANCE WITH 40 CFR 745 AND LEAD-BASED PAINTS MAY BE PRESENT ON COMPONENTS TO BE DISTURBED IN THOSE AREAS. PERSONNEL PERFORMING WORK IN THESE AREAS MUST COMPLY WITH THE REQUIREMENTS OF 40 CFR 745, INCLUDING TRAINING, WORK PRACTICES AND CLEANING OF THE WORK AREA. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF LEAD MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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ANCHORAGE
 SCHOOL DISTRICT

Spring Hill
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 Replacement

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 DOCUMENTS

JOB NO.	2023017
DATE:	02/14/2024
PROJ. MGR.:	JTW
DRAWN BY:	DD
REVIEWED BY:	-
REVISIONS:	

DEMOLITION
 ROOF PLAN -
 AREA C

SHEET NO.
AD104

GENERAL NOTES-DEMOLITION

1. THE INFORMATION SHOWN IN THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND A WALK-THRU OF THE EXISTING FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS OF THE ACCURACY OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY CRITICAL ITEMS, AREA, AND ASSEMBLIES SHOWN FOR DEMOLITION PRIOR TO START OF WORK
2. ROOF ELEVATIONS SHOWN INDICATE BOTTOM OF STRUCTURAL DECK AT GRIDS AND ARE APPROXIMATE. DATUM FOR ROOF ELEVATIONS IS 0'-0" AT FIRST FLOOR
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
4. DEMOLISH ALL EXISTING ROOF ASSEMBLIES DOWN TO STRUCTURAL ROOF DECK (EXCEPT AT NIC ROOFS) AND PREPARE SUBSTRATE FOR NEW ROOF ASSEMBLY
5. CONTRACTOR SHALL COORDINATE SITE ACCESS AND STAGING AREA WITH THE OWNER
6. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL SHEETS FOR RELATED DEMOLITION INFORMATION

ROOF PLAN GENERAL NOTES

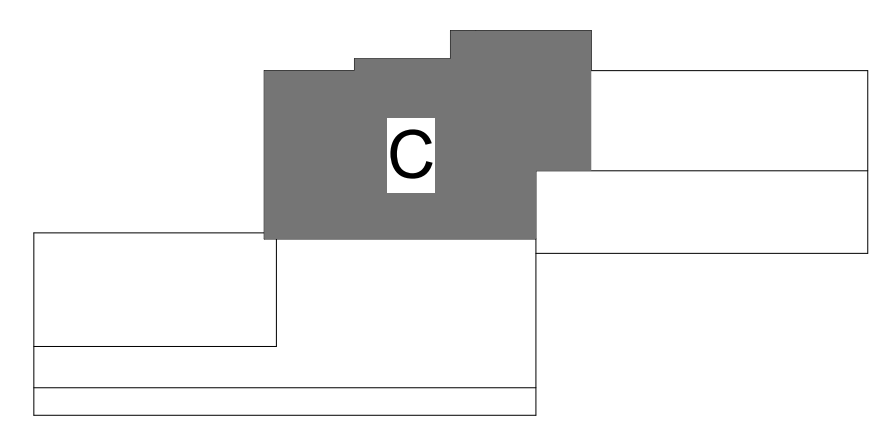
1. CONTRACTOR SHALL COORDINATE DRAINAGE OF ALL ROOFS DURING CONSTRUCTION

KEYNOTES

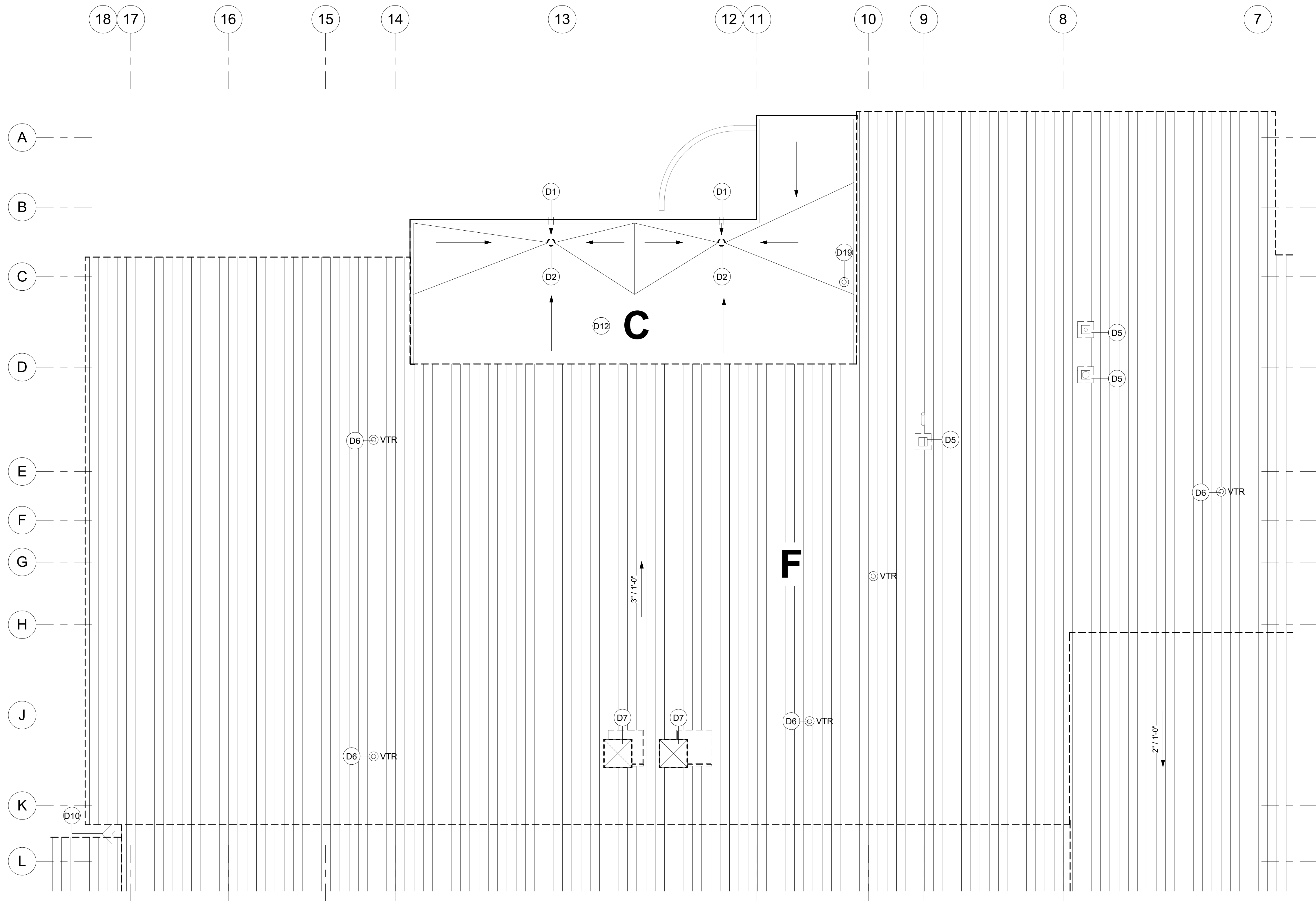
D1	SCUPPER TO REMAIN
D2	ROOF DRAIN TO REMAIN
D5	DEMOLISH ROOF CURB AND PENETRATION PER MECHANICAL
D6	VTR TO REMAIN, COORDINATE WITH NEW ROOF
D7	DEMOLISH EXISTING SMOKE DAMPERS AND HATCHES
D10	EXISTING WALL MOUNT ANTENNA MAST. REMOVE AND SALVAGE FOR REINSTALLATION
D12	EPDM ROOFING TO REMAIN
D19	EXISTING VTR TO REMAIN

DEMOLITION ROOF LEGEND

- METAL ROOFING TO BE DEMOLISHED
- ROOF DRAIN TO BE DEMOLISHED
- MECHANICAL STACK OR VENT WITH CURB
- VTR THROUGH ROOF
- SCUPPER TO BE DEMOLISHED
- ANTENNA
- VENT THROUGH ROOF
- DIRECTION OF ROOF SLOPE
- BOD XX'-XX" (HIGH) BOD XX'-XX" (LOW) BOD XX'-XX"
- TOP XX'-XX"
- ① SHEET NOTES



KEY PLAN



1 DEMOLITION ROOF PLAN - AREA C
 AD104 1/8" = 1'-0"

NORTH

0' 4' 8' 16' 32'

22X34 SHEET 1/16" = 1'-0"
 11X17 SHEET 1/32" = 1'-0"

NOTIFICATION OF POTENTIAL HAZARD
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JOB NO. 2023017
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 PROJ. MGR.: JTW
 DRAWN BY: DD
 REVIEWED BY: -
 REVISIONS:

DEMOLITION
 ROOF PLAN -
 AREA D

SHEET NO.
AD105

GENERAL NOTES-DEMOLITION

- THE INFORMATION SHOWN IN THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND A WALK-THRU OF THE EXISTING FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS OF THE ACCURACY OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY CRITICAL ITEMS, AREA, AND ASSEMBLIES SHOWN FOR DEMOLITION PRIOR TO START OF WORK
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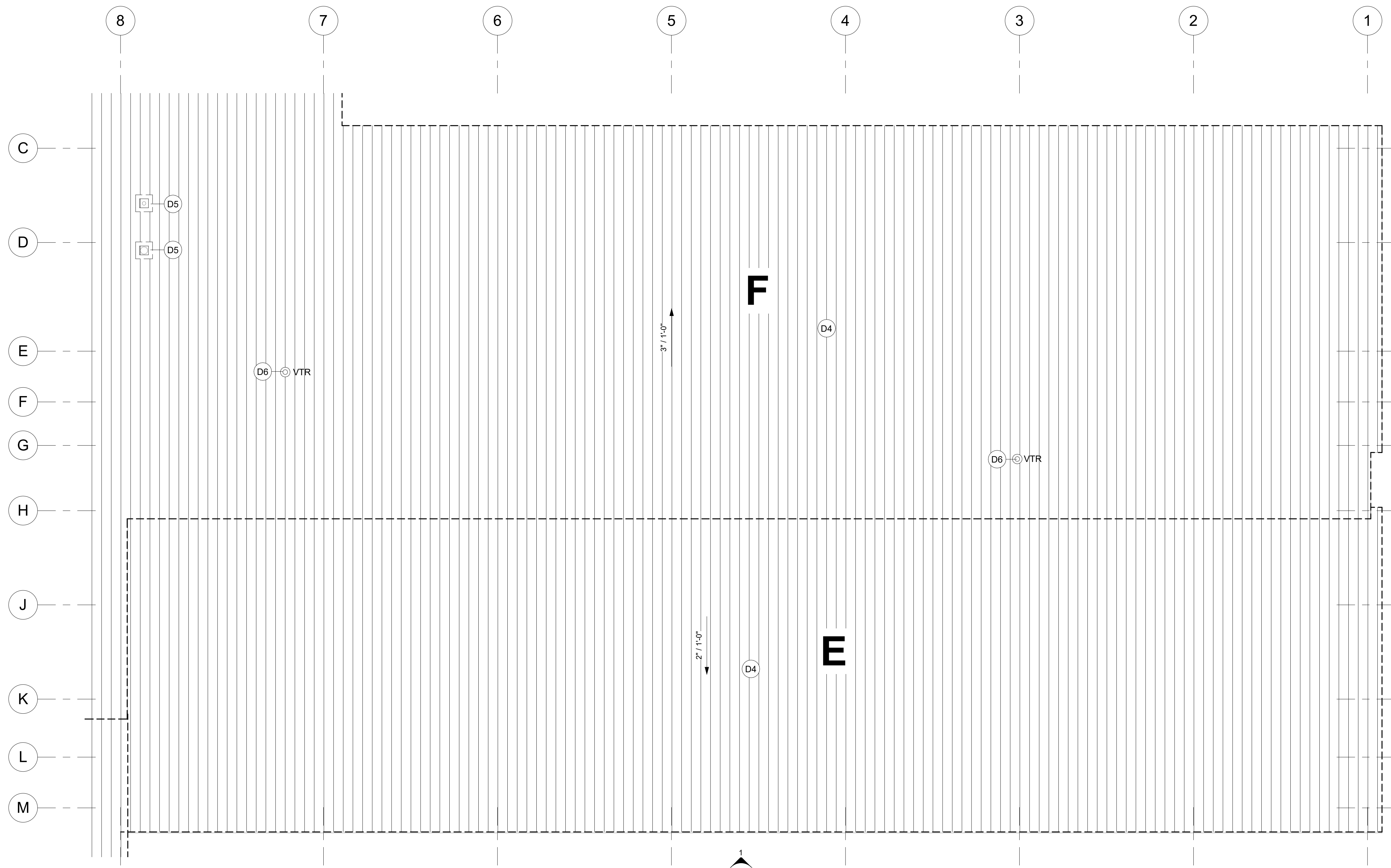
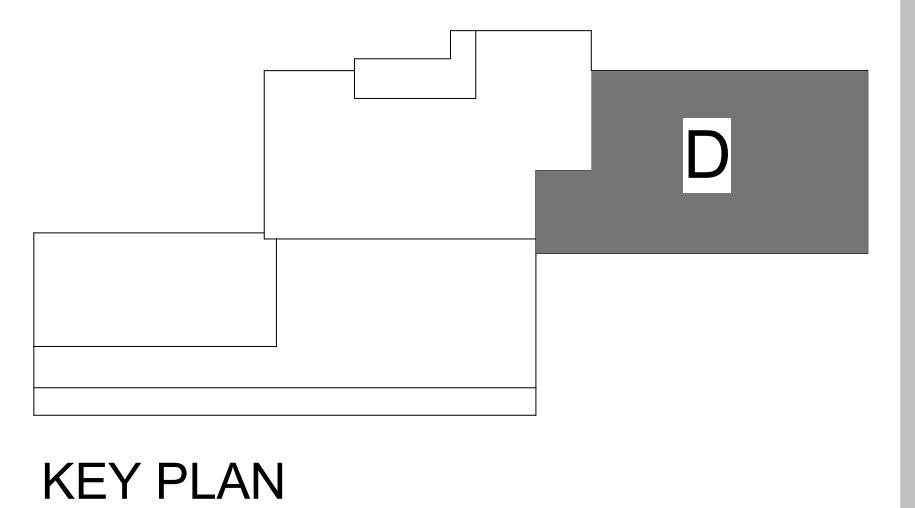
ROOF PLAN GENERAL NOTES

- CONTRACTOR SHALL COORDINATE DRAINAGE OF ALL ROOFS DURING CONSTRUCTION

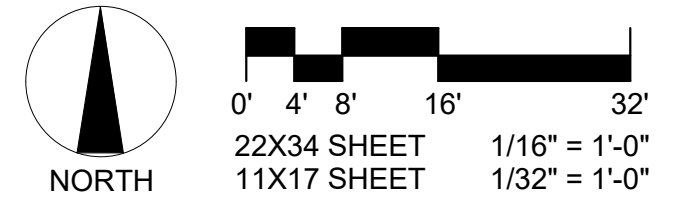
KEYNOTES	
D4	DEMOLISH EXISTING METAL ROOFING DOWN TO EXISTING STRUCTURAL STEEL DECKING, INCLUDING FASCIA FLASHINGS. DO NOT COVER UNTIL STRUCTURAL DESIGNER OF RECORD INSPECTS EXPOSED STRUCTURAL DECKING
D5	DEMOLISH ROOF CURB AND PENETRATION PER MECHANICAL
D6	VTR TO REMAIN, COORDINATE WITH NEW ROOF

DEMOLITION ROOF LEGEND

- METAL ROOFING TO BE DEMOLISHED
- ROOF DRAIN TO BE DEMOLISHED
- MECHANICAL STACK OR VENT WITH CURB
- VTR THROUGH ROOF
- SCUPPER TO BE DEMOLISHED
- ANTENNA
- VENT THROUGH ROOF
- DIRECTION OF ROOF SLOPE
- BOD XX'-XX" (HIGH) BOD XX'-XX" (LOW) BOD XX'-XX" BOTTOM OF STRUCTURAL ROOF DECK ELEVATION AT GRID LINE; (HIGH) OR (LOW) INDICATES MULTIPLE LEVELS ON SAME GRID
- TOP XX'-XX" TOP OF PARAPET ELEVATION
- ① SHEET NOTES



1 DEMOLITION ROOF PLAN - AREA D
 AD105 1/8" = 1'-0"

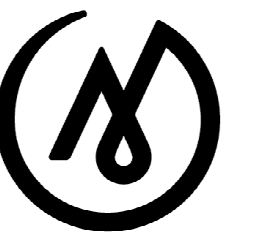


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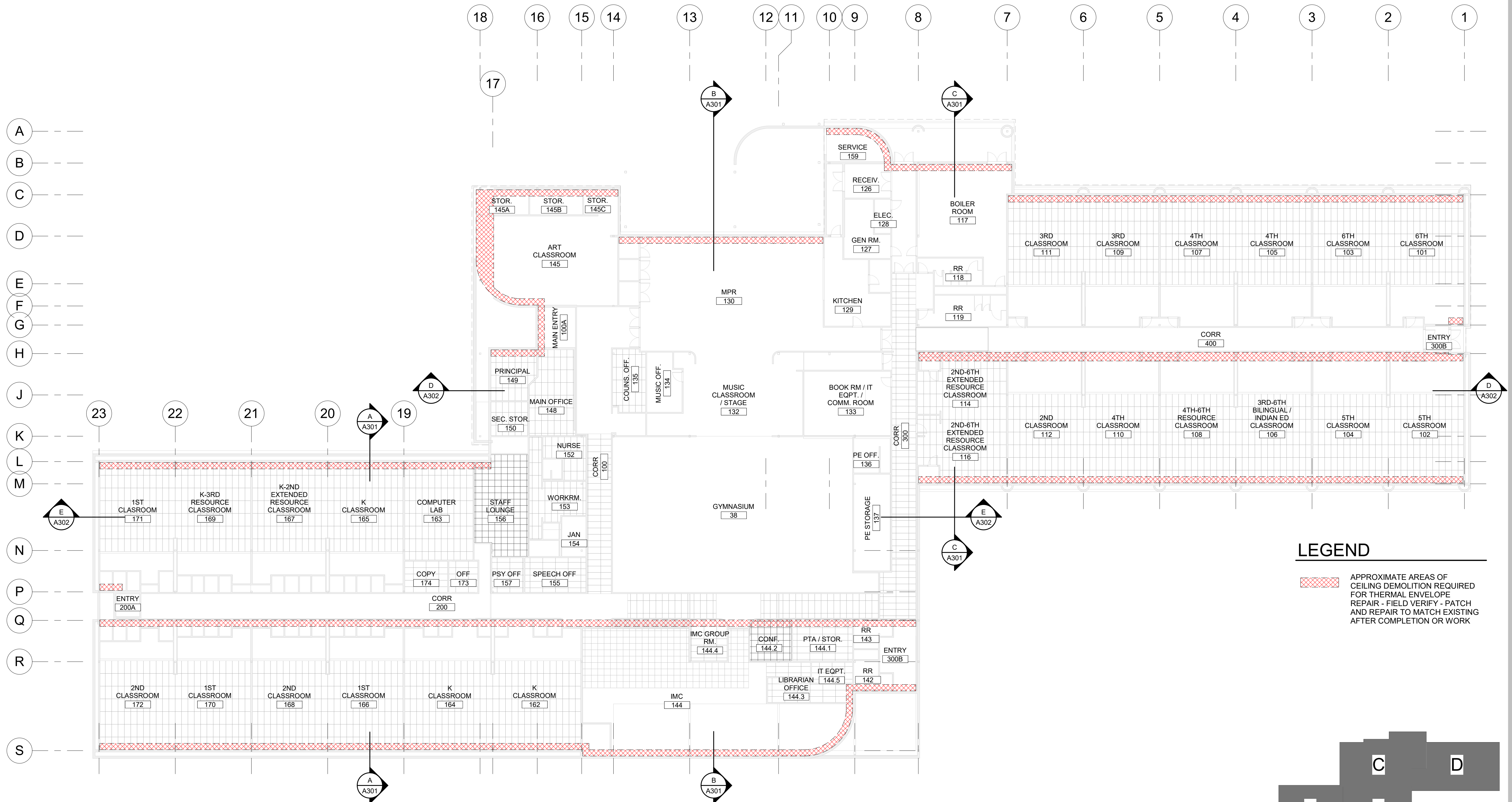
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JOB NO. 2023017
 DATE: 02/14/2024
 PROJ. MGR.: JTW
 DRAWN BY: DD
 REVIEWED BY: Checker
 REVISIONS:

DEMOLITION
 REFLECTED
 CEILING PLAN

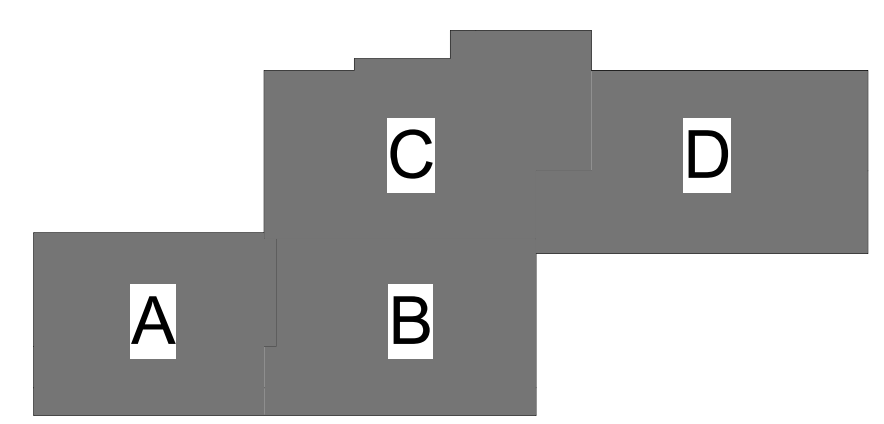
SHEET NO.

AD106



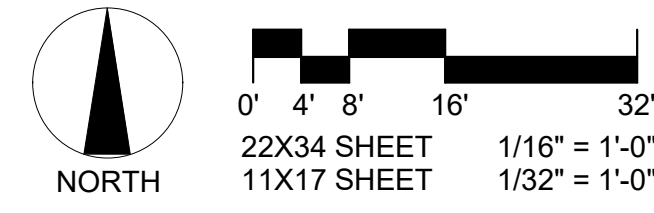
LEGEND

APPROXIMATE AREAS OF CEILING DEMOLITION REQUIRED FOR THERMAL ENVELOPE REPAIR - FIELD VERIFY - PATCH AND REPAIR TO MATCH EXISTING AFTER COMPLETION OR WORK



KEY PLAN

1 REFLECTED CEILING DEMOLITION PLAN
 AD106 1/16" = 1'-0"



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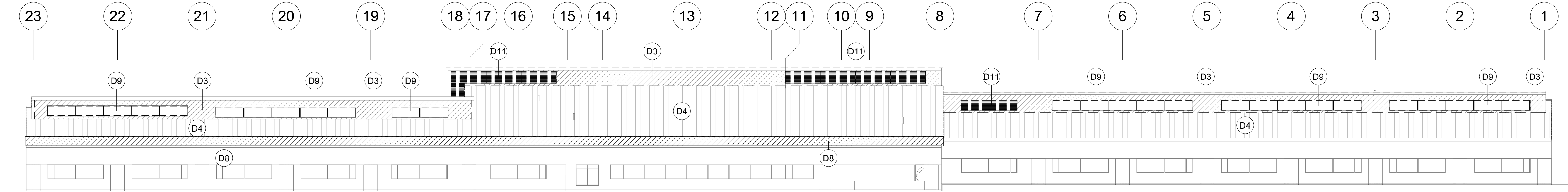
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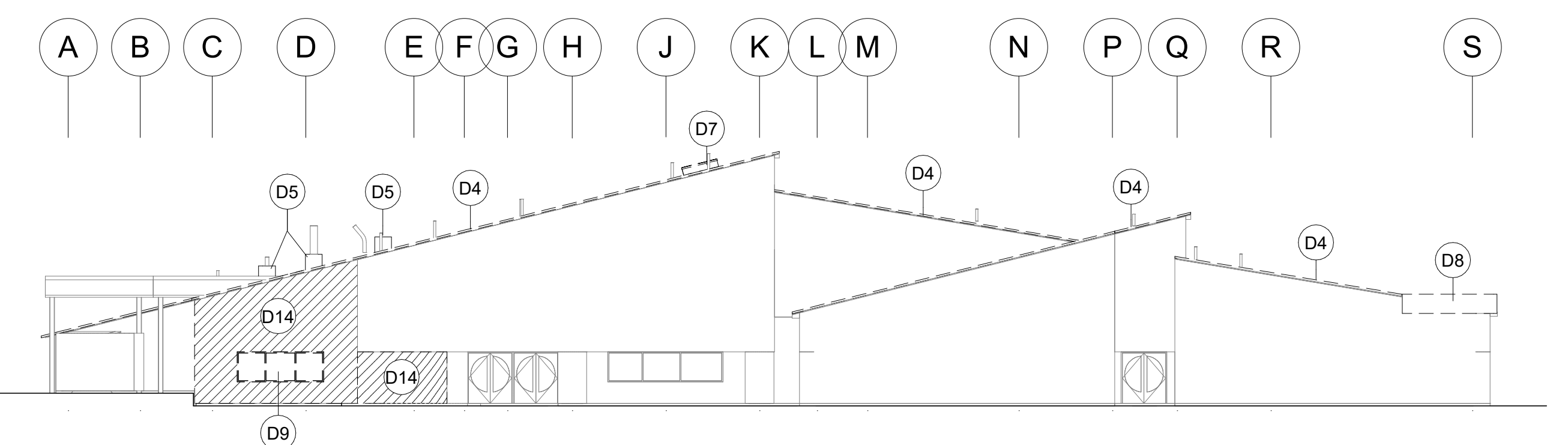
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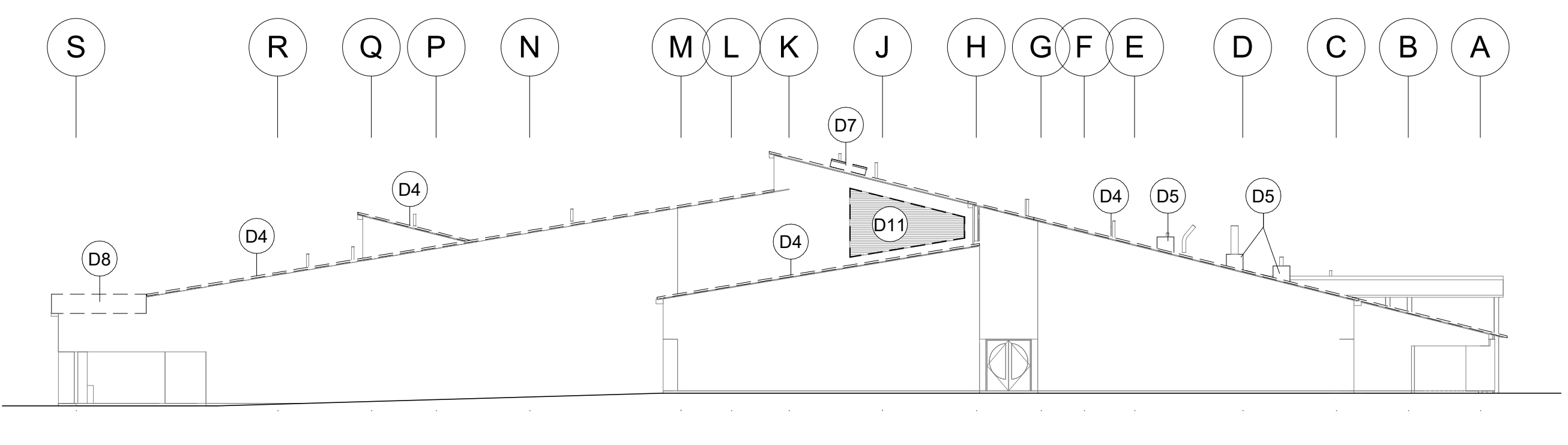
KEYNOTES	
D3	DEMOLISH EXISTING EIFS SYSTEM DOWN TO METAL STUDS
D4	DEMOLISH EXISTING METAL ROOFING DOWN TO EXISTING STRUCTURAL STEEL DECKING, INCLUDING FASCIA FLASHINGS. DO NOT COVER UNTIL STRUCTURAL DESIGNER OF RECORD INSPECTS EXPOSED STRUCTURAL DECKING
D5	DEMOLISH ROOF CURB AND PENETRATION PER MECHANICAL
D7	DEMOLISH EXISTING SMOKE DAMPERS AND HATCHES
D8	DEMOLISH EXISTING EPDM ROOFING, DRAINS, CRICKETS, AND PARAPETS IN THEIR ENTIRETY DOWN TO ORIGINAL STEEL ROOF DECK.
D9	DEMOLISH EXISTING WINDOWS
D11	DEMOLISH EXISTING MECHANICAL LOUVER
D14	DEMOLISH EXISTING WALL



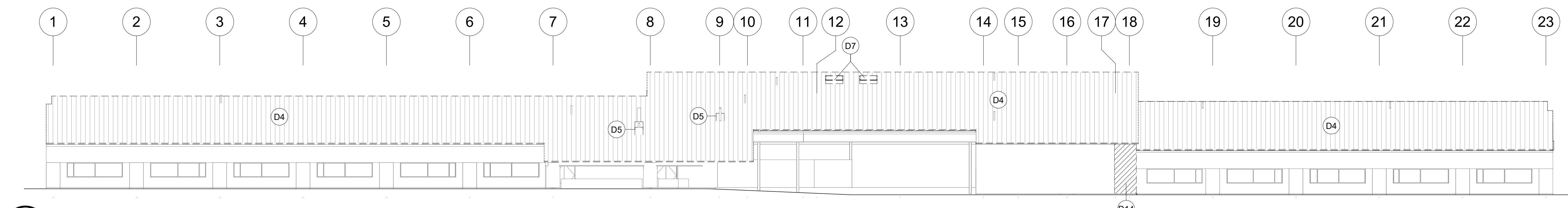
1 SOUTH ELEVATION - DEMOLITION
 AD107 1/16" = 1'-0"



2 WEST ELEVATION - DEMOLITION
 AD107 1/16" = 1'-0"



3 EAST ELEVATION - DEMOLITION
 AD107 1/16" = 1'-0"



4 NORTH ELEVATION - DEMOLITION
 AD107 1/16" = 1'-0"



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JOB NO.: 2023017
 DATE: 02/14/2024
 PROJ. MGR.: JTW
 DRAWN BY: DD
 REVIEWED BY: Checker
 REVISIONS:

DEMOLITION
 ELEVATIONS

SHEET NO.
AD107

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**Spring Hill
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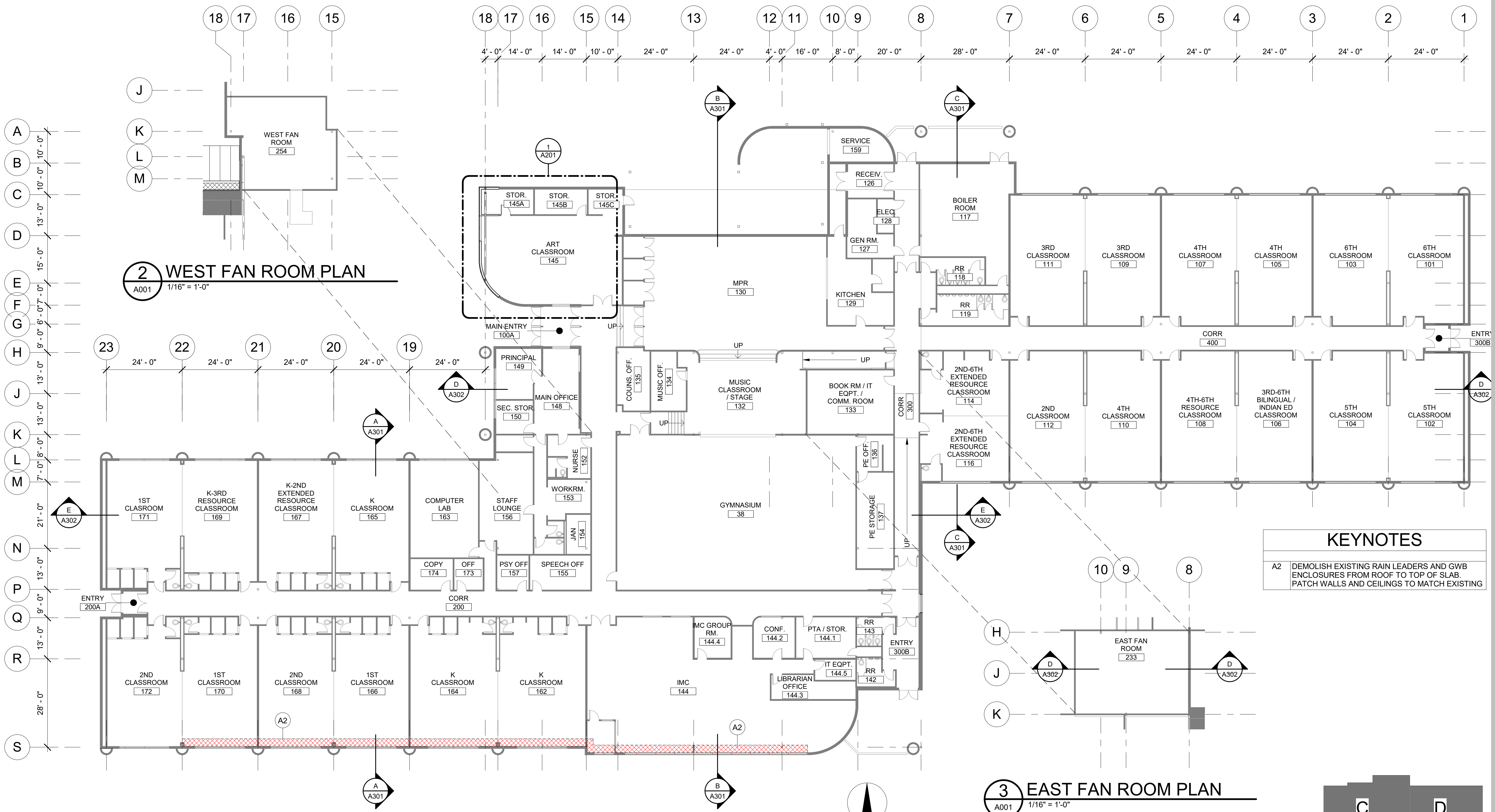
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JOB NO. 2023017
 DATE: 02/14/2024
 PROJ. MGR.: JTJ
 DRAWN BY: DD
 REVIEWED BY: -
 REVISIONS:

REFERENCE
 FIRST FLOOR
 PLAN

SHEET NO.
A001



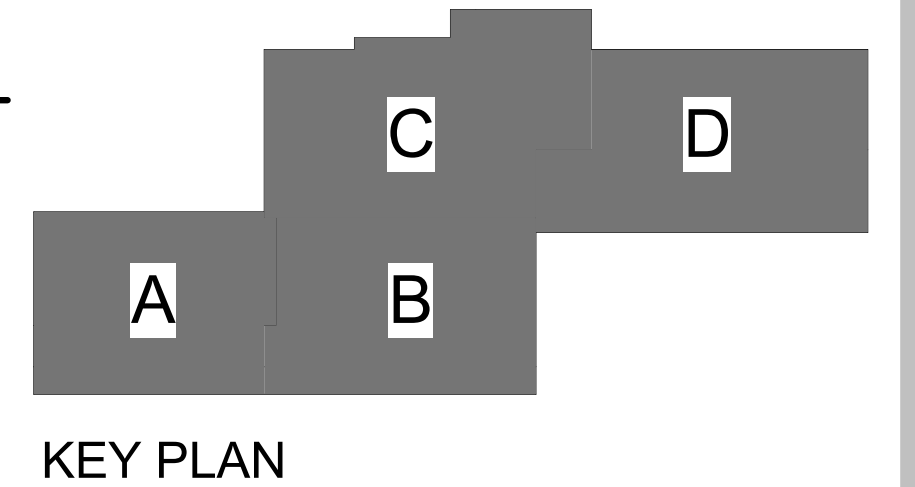
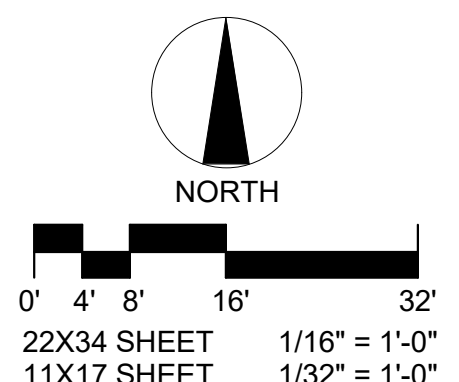
2 WEST FAN ROOM PLAN
 A001 1/16" = 1'-0"

3 EAST FAN ROOM PLAN
 A001 1/16" = 1'-0"

1 REFERENCE FIRST FLOOR PLAN
 A001 1/16" = 1'-0"

KEYNOTES

A2	DEMOLISH EXISTING RAIN LEADERS AND GWB ENCLOSURES FROM ROOF TO TOP OF SLAB. PATCH WALLS AND CEILINGS TO MATCH EXISTING
----	--

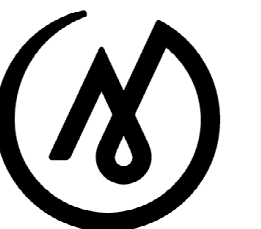


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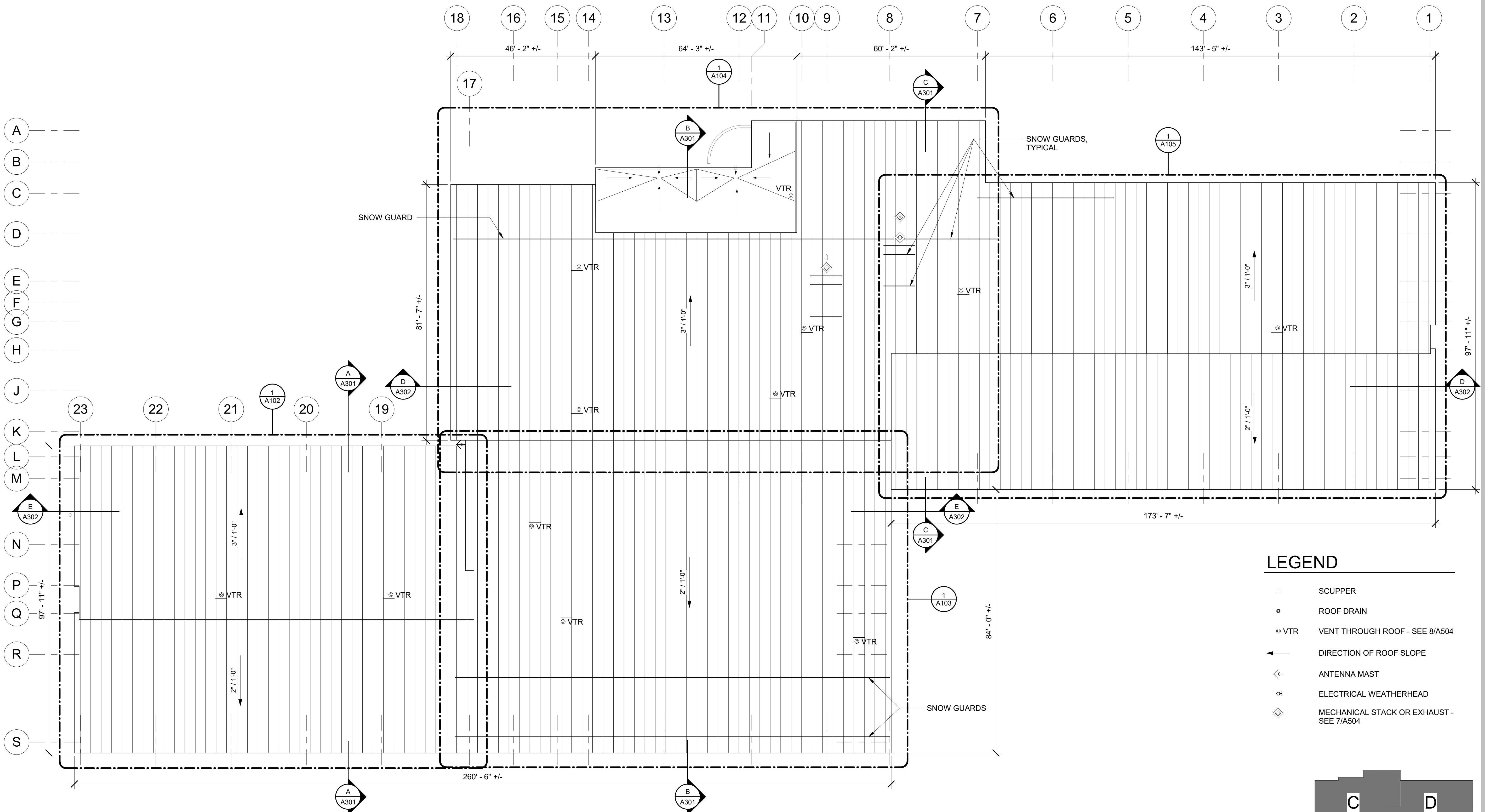
ANCHORAGE
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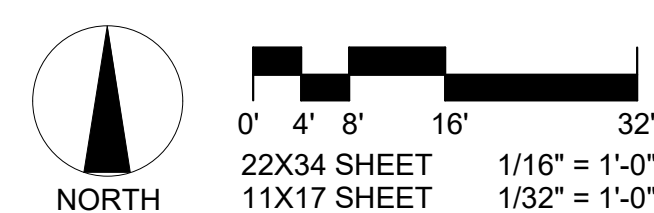
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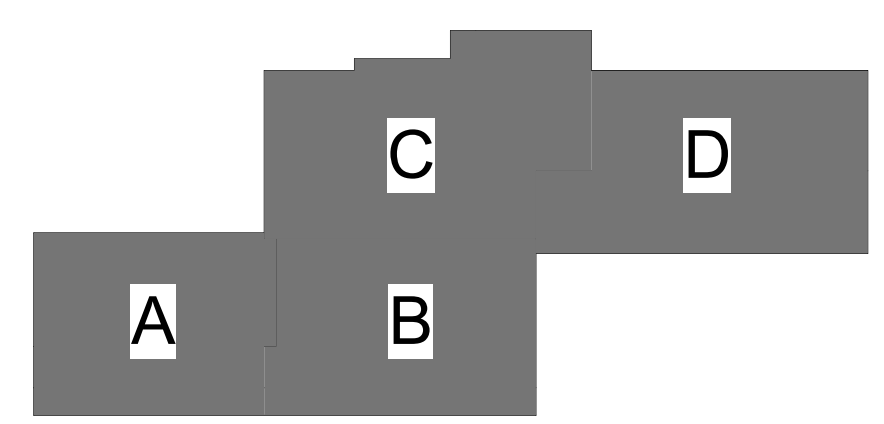
JOB NO. 2023017
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1 OVERALL ROOF PLAN
 A101 1/16" = 1'-0"



- LEGEND**
- || SCUPPER
 - ROOF DRAIN
 - ⊙ VTR VENT THROUGH ROOF - SEE 8/A504
 - ↘ DIRECTION OF ROOF SLOPE
 - ⚡ ANTENNA MAST
 - ⚡ ELECTRICAL WEATHERHEAD
 - ◇ MECHANICAL STACK OR EXHAUST - SEE 7/A504



KEY PLAN

OVERALL ROOF
 PLAN

SHEET NO.
A101

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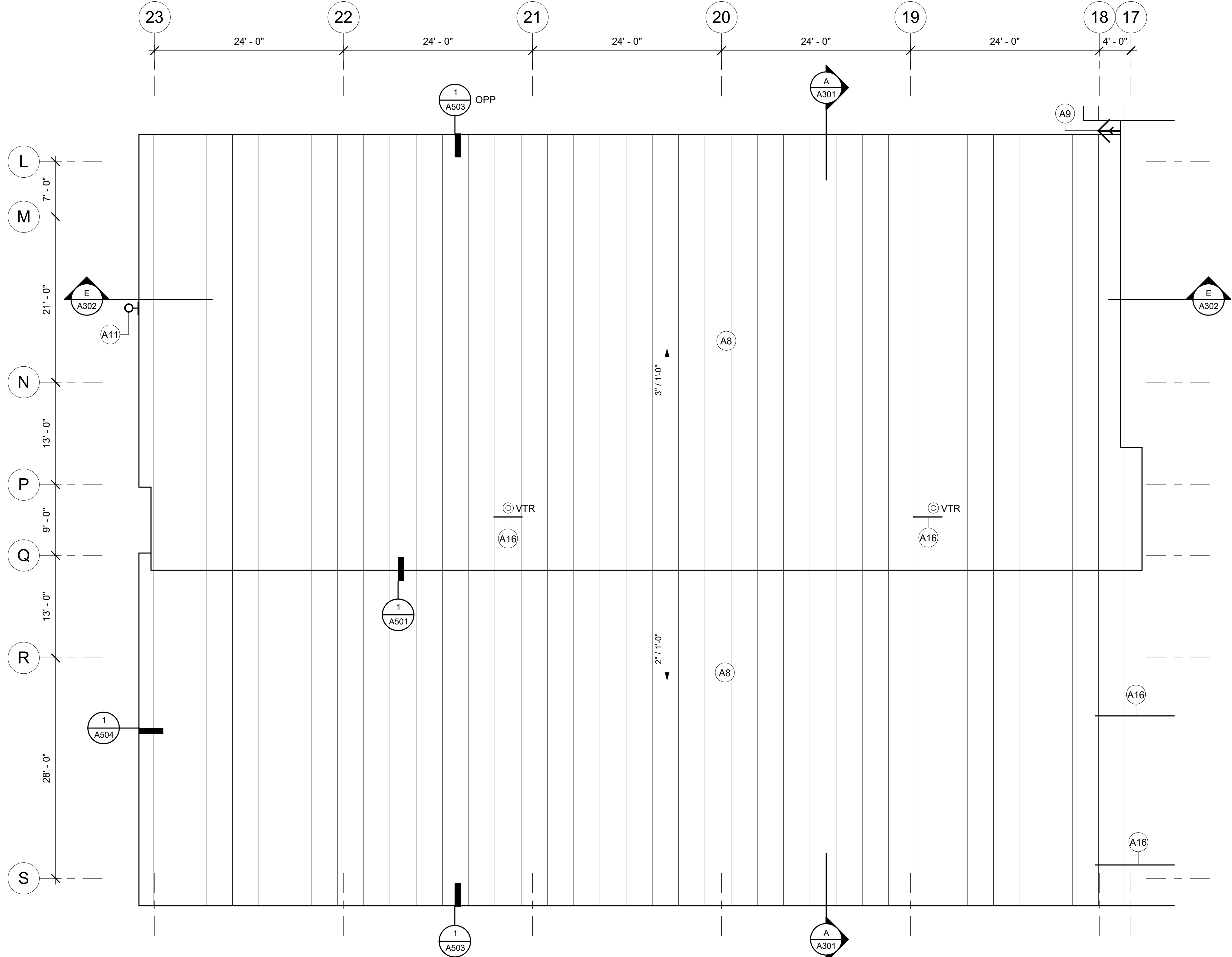


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ROOF PLAN GENERAL NOTES

- CONTRACTOR SHALL COORDINATE DRAINAGE OF ALL ROOFS DURING CONSTRUCTION



KEYNOTES	
A8	TYPICAL NEW ROOF ASSEMBLY: SCREW ATTACH 5/8" GYPSUM COVER BOARD INTO EXISTING STRUCTURAL STEEL DECK. INSTALL AIR-WATER BARRIER OVER COVER BOARD. INSTALL INSULATED METAL ROOFING PANELS PER MANUFACTURER'S RECOMMENDATIONS.
A9	EXISTING WALL MOUNT ANTENNA MAST. REINSTALL PER DETAIL 4/A506 WHERE DIRECTED BY OWNER
A11	EXISTING ELECTRICAL WEATHERHEAD
A16	SNOW GUARD



ANCHORAGE SCHOOL DISTRICT

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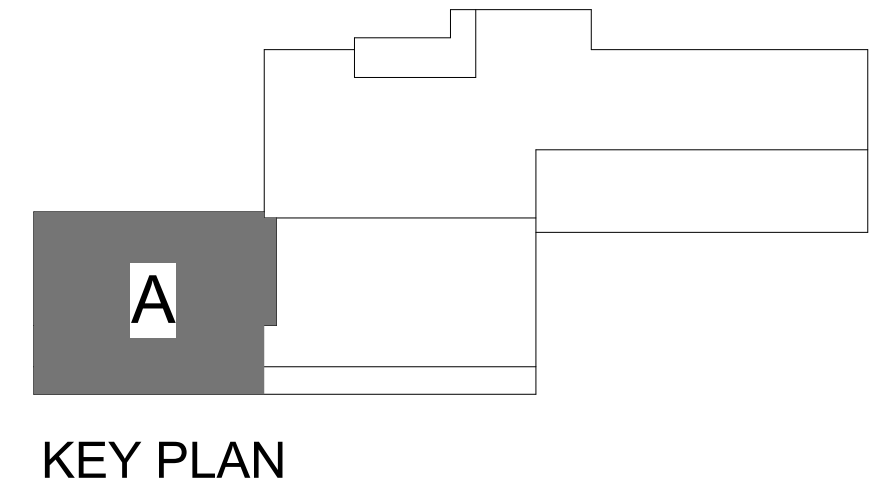
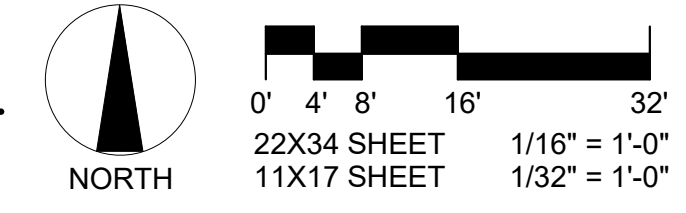
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DATE	02/14/2024
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ROOF PLAN LEGEND

- MECHANICAL STACK OR VENT WITH CURB
- VTR THROUGH ROOF
- ANTENNA
- VENT THROUGH ROOF
- DIRECTION OF ROOF SLOPE
- ROOF DRAIN TO REMAIN
- SCUPPER TO REMAIN
- SHEET NOTES

1 ROOF PLAN - AREA A
 A102 1/8" = 1'-0"



ROOF PLAN - AREA A

SHEET NO.
A102

NOTIFICATION OF POTENTIAL HAZARD
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ROOF PLAN GENERAL NOTES

- CONTRACTOR SHALL COORDINATE DRAINAGE OF ALL ROOFS DURING CONSTRUCTION

KEYNOTES	
A5	EXISTING VTR, REF MECHANICAL
A8	TYPICAL NEW ROOF ASSEMBLY: SCREW ATTACH 5/8" GYPSUM COVER BOARD INTO EXISTING STRUCTURAL STEEL DECK. INSTALL AIR-WATER BARRIER OVER COVER BOARD. INSTALL INSULATED METAL ROOFING PANELS PER MANUFACTURER'S RECOMMENDATIONS.
A9	EXISTING WALL MOUNT ANTENNA MAST. REINSTALL PER DETAIL 4/A506 WHERE DIRECTED BY OWNER
A16	SNOW GUARD



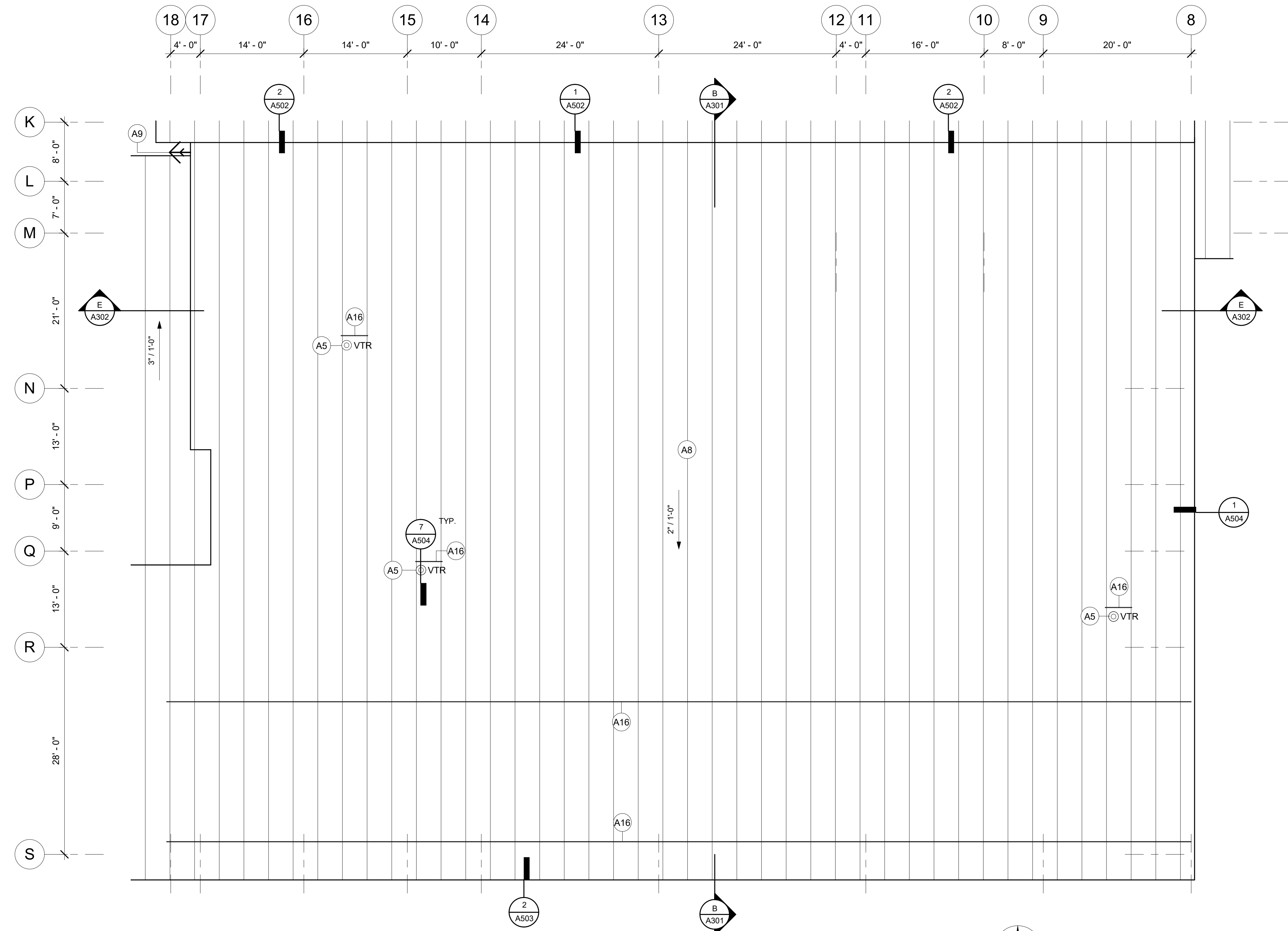
ANCHORAGE
 SCHOOL DISTRICT

**Spring Hill
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 Replacement**

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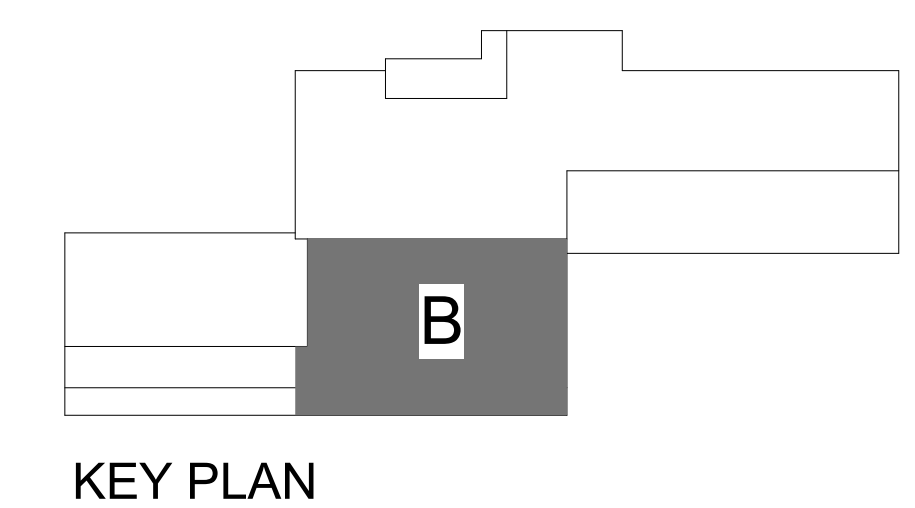
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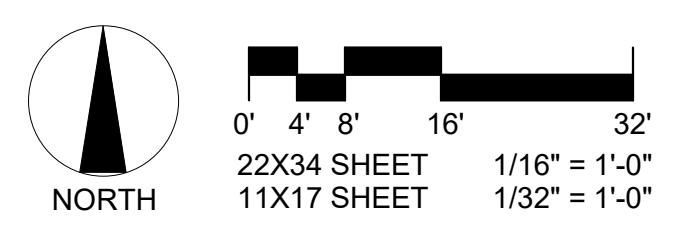


ROOF PLAN LEGEND

- MECHANICAL STACK OR VENT WITH CURB
- VTR THROUGH ROOF
- ANTENNA
- VENT THROUGH ROOF
- DIRECTION OF ROOF SLOPE
- ROOF DRAIN TO REMAIN
- SCUPPER TO REMAIN
- SHEET NOTES



1 ROOF PLAN - AREA B
 A103 1/8" = 1'-0"



ROOF PLAN -
 AREA B

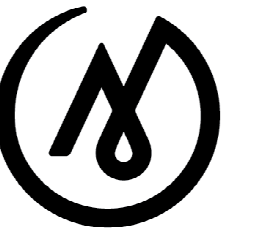
SHEET NO.
A103

NOTIFICATION OF POTENTIAL HAZARD
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ROOF PLAN GENERAL NOTES

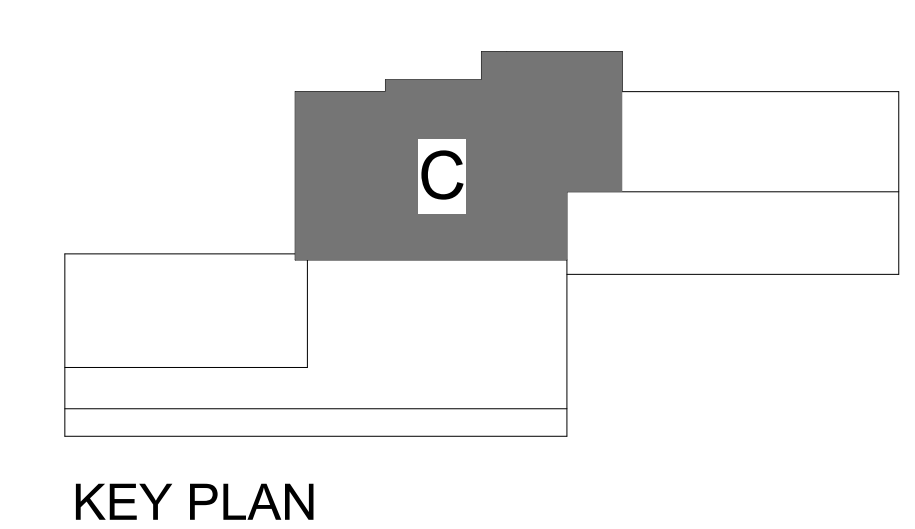
- CONTRACTOR SHALL COORDINATE DRAINAGE OF ALL ROOFS DURING CONSTRUCTION

KEYNOTES

A1	NEW ROOF DECKING INFILL TO MATCH ADJACENT EXISTING METAL ROOF DECK. REFER TO STRUCTURAL
A3	NEW MECHANICAL EXHAUST CURB PER 5/A504.. REF MECHANICAL FOR ADDITIONAL INFORMATION
A5	EXISTING VTR. REF MECHANICAL
A6	NEW MECHANICAL STACK CURB PER 6/A504.. REF MECHANICAL FOR ADDITIONAL INFORMATION
A8	TYPICAL NEW ROOF ASSEMBLY: SCREW ATTACH 5/8" GYPSUM COVER BOARD INTO EXISTING STRUCTURAL STEEL DECK. INSTALL AIR-WATER BARRIER OVER COVER BOARD. INSTALL INSULATED METAL ROOFING PANELS PER MANUFACTURER'S RECOMMENDATIONS.
A9	EXISTING WALL MOUNT ANTENNA MAST. REINSTALL PER DETAIL 4/A506 WHERE DIRECTED BY OWNER
A13	EXISTING ROOF DRAIN TO REMAIN
A14	EXISTING SCUPPER TO REMAIN
A16	SNOW GUARD

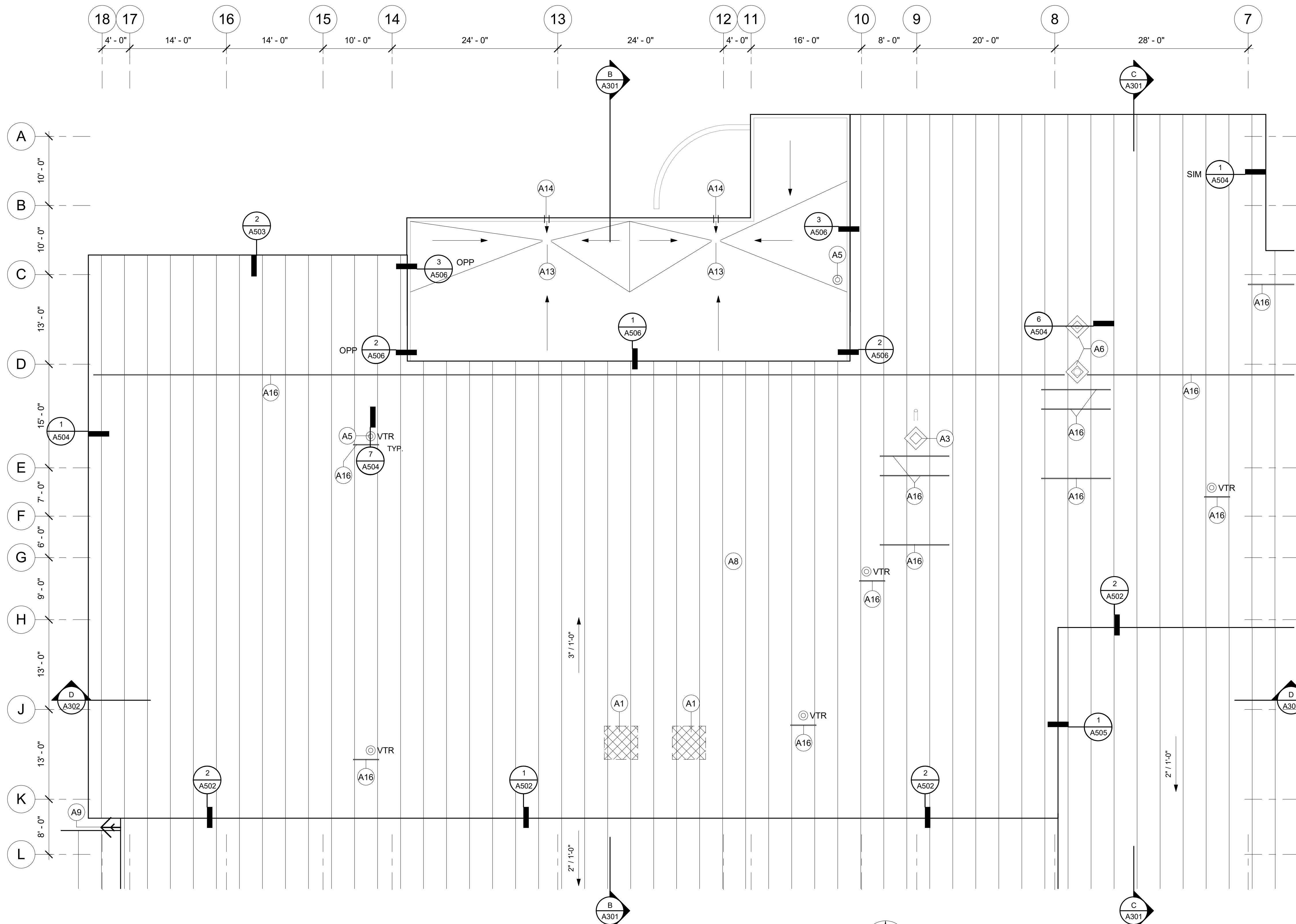
ROOF PLAN LEGEND

- MECHANICAL STACK OR VENT WITH CURB
- VTR THROUGH ROOF
- ANTENNA
- VENT THROUGH ROOF
- DIRECTION OF ROOF SLOPE
- ROOF DRAIN TO REMAIN
- SCUPPER TO REMAIN
- SHEET NOTES

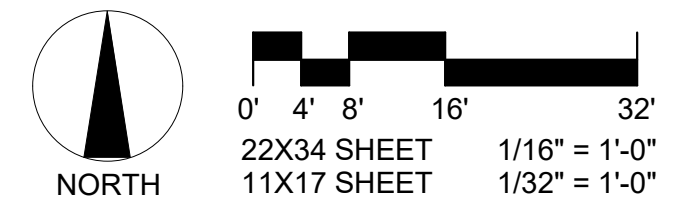


ROOF PLAN - AREA C

SHEET NO.
A104



1 ROOF PLAN - AREA C
 A104 1/8" = 1'-0"



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ROOF PLAN GENERAL NOTES

- CONTRACTOR SHALL COORDINATE DRAINAGE OF ALL ROOFS DURING CONSTRUCTION



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KEYNOTES

A5	EXISTING VTR, REF MECHANICAL
A6	NEW MECHANICAL STACK CURB PER 6/A504, REF MECHANICAL FOR ADDITIONAL INFORMATION
A8	TYPICAL NEW ROOF ASSEMBLY: SCREW ATTACH 5/8" GYPSUM COVER BOARD INTO EXISTING STRUCTURAL STEEL DECK. INSTALL AIR-WATER BARRIER OVER COVER BOARD. INSTALL INSULATED METAL ROOFING PANELS PER MANUFACTURER'S RECOMMENDATIONS.
A16	SNOW GUARD



ANCHORAGE SCHOOL DISTRICT









Spring Hill Elementary School Roof Replacement

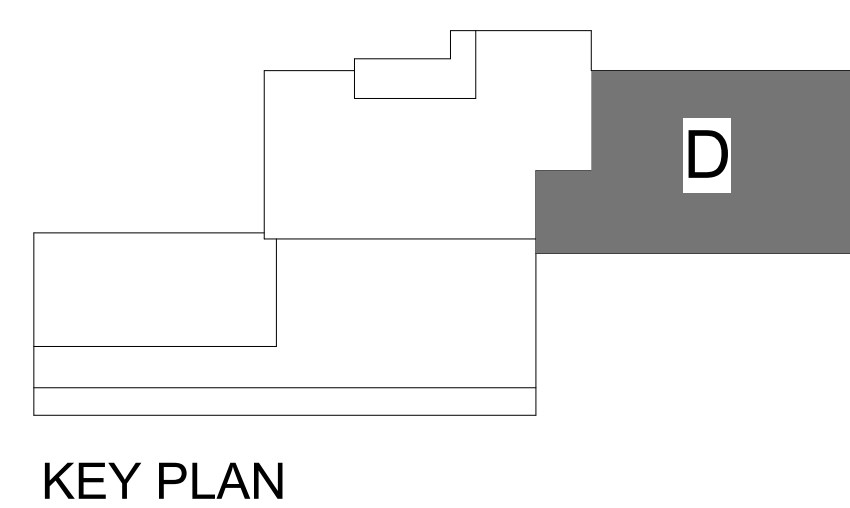
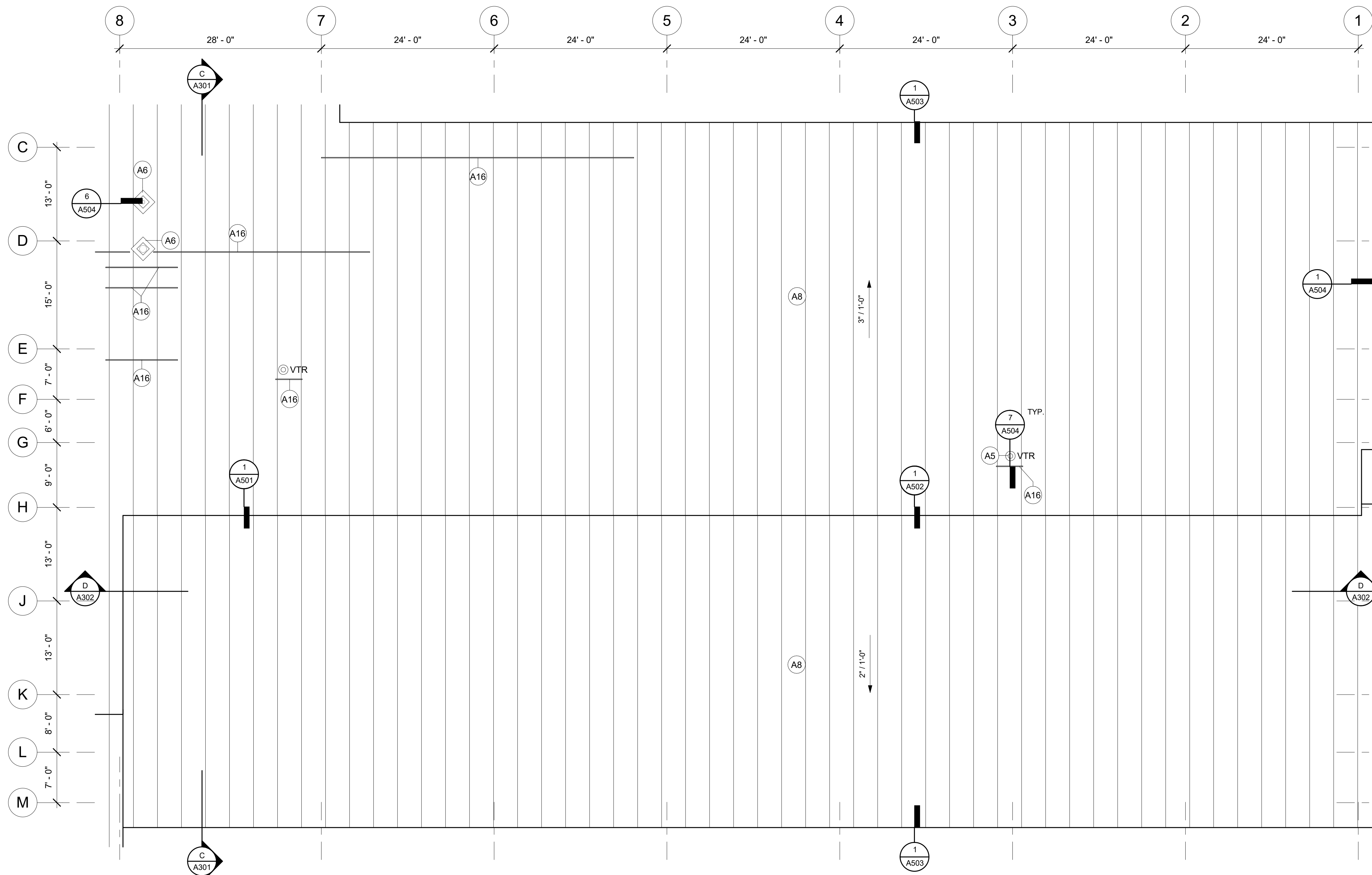
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ROOF PLAN LEGEND

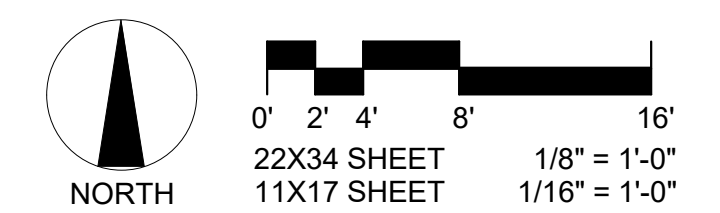
-  MECHANICAL STACK OR VENT WITH CURB
-  VTR THROUGH ROOF
-  ANTENNA
-  VENT THROUGH ROOF
-  DIRECTION OF ROOF SLOPE
-  ROOF DRAIN TO REMAIN
-  SCUPPER TO REMAIN
-  SHEET NOTES



ROOF PLAN - AREA D

SHEET NO.
A105

1 ROOF PLAN - AREA D
 A105 1/8" = 1'-0"



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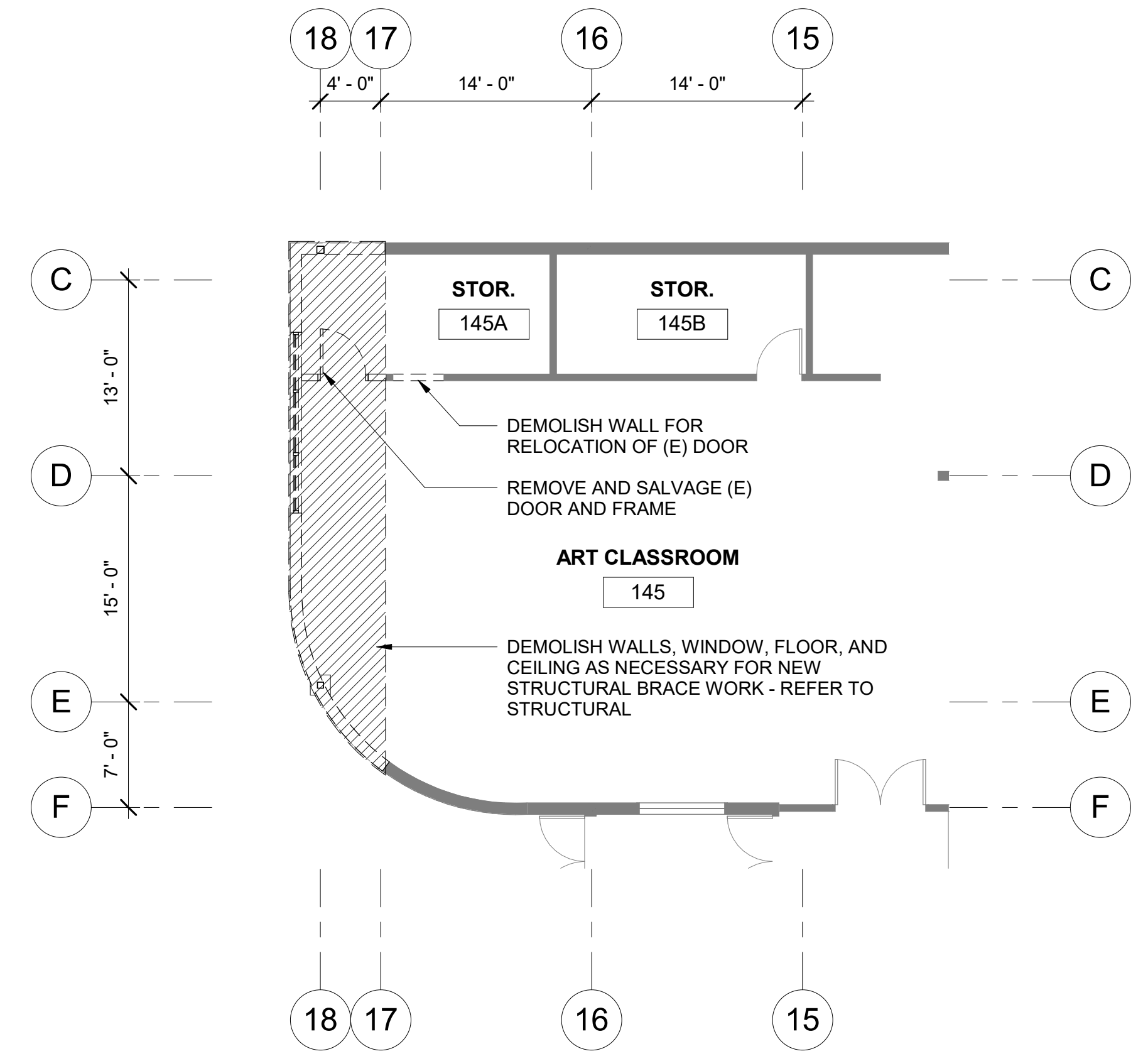
JOB NO.: 2023017
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 PLANS

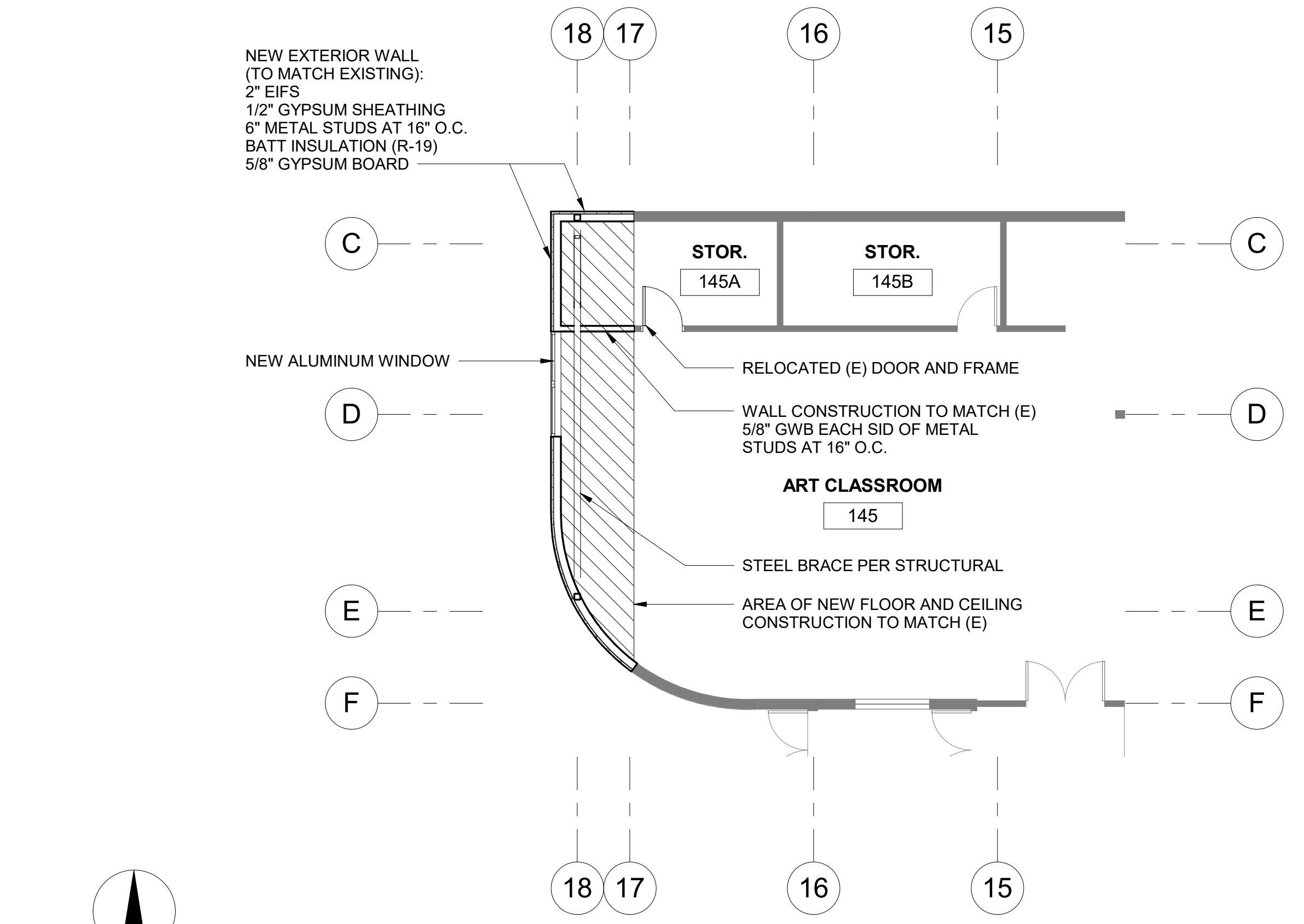
SHEET NO.
A201

GENERAL NOTES-DEMOLITION

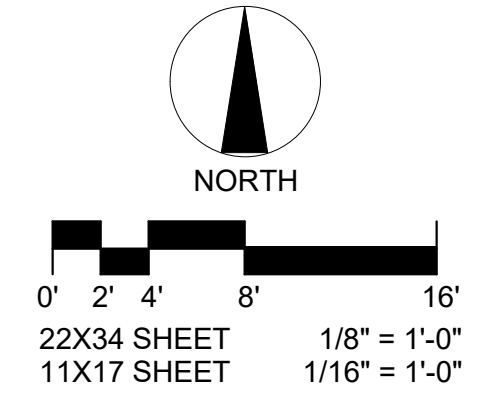
1. THE INFORMATION SHOWN IN THIS DRAWING IS TAKEN FROM RECORD DRAWINGS AND A WALK-THRU OF THE EXISTING FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS OF THE ACCURACY OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY CRITICAL ITEMS, AREA, AND ASSEMBLIES SHOWN FOR DEMOLITION PRIOR TO START OF WORK
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
3. THE OWNER WILL MAINTAIN OCCUPANCY OF THE BUILDING DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE SITE ACCESS AND STAGING AREA WITH THE OWNER
6. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL SHEETS FOR RELATED DEMOLITION INFORMATION



2 DEMOLITION PLAN - ART CLASS 145
 A201 1/8" = 1'-0"



1 REMODEL PLAN - ART CLASS 145
 A201 1/8" = 1'-0"

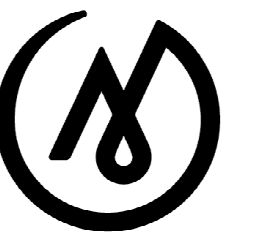


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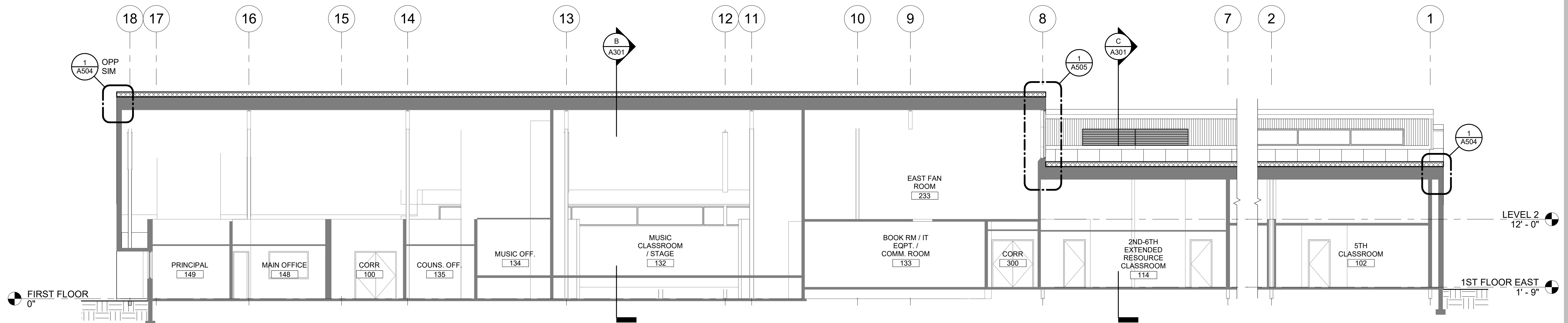
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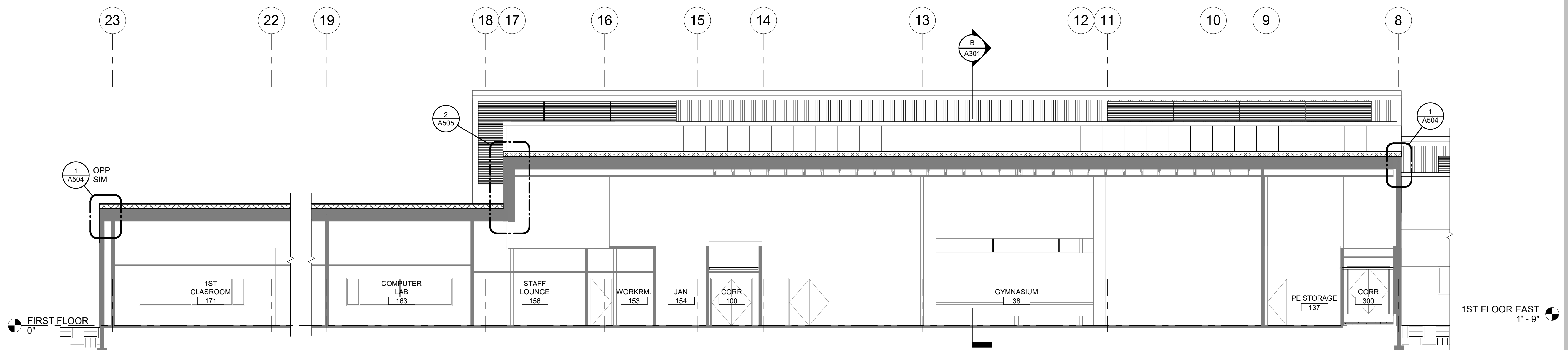
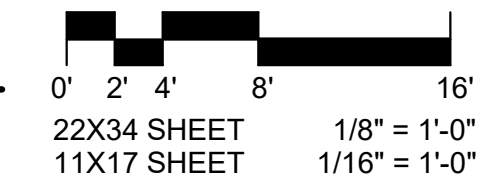
**BUILDING
 SECTIONS**

SHEET NO.

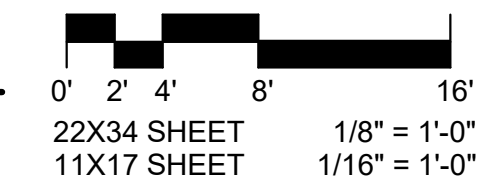
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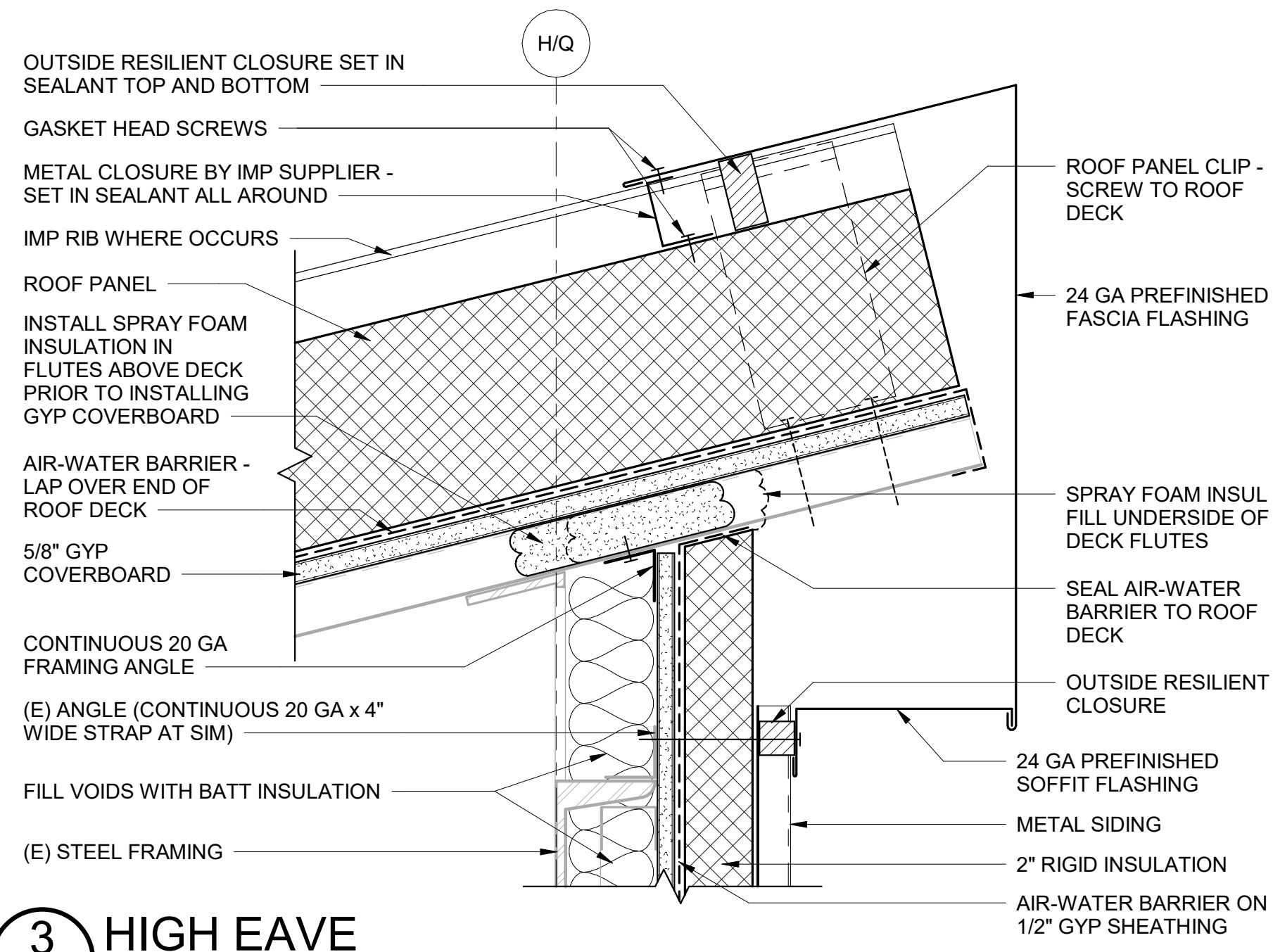


D BUILDING LONGITUDINAL SECTION AT CORE AND EAST WING
 A302 1/8" = 1'-0"

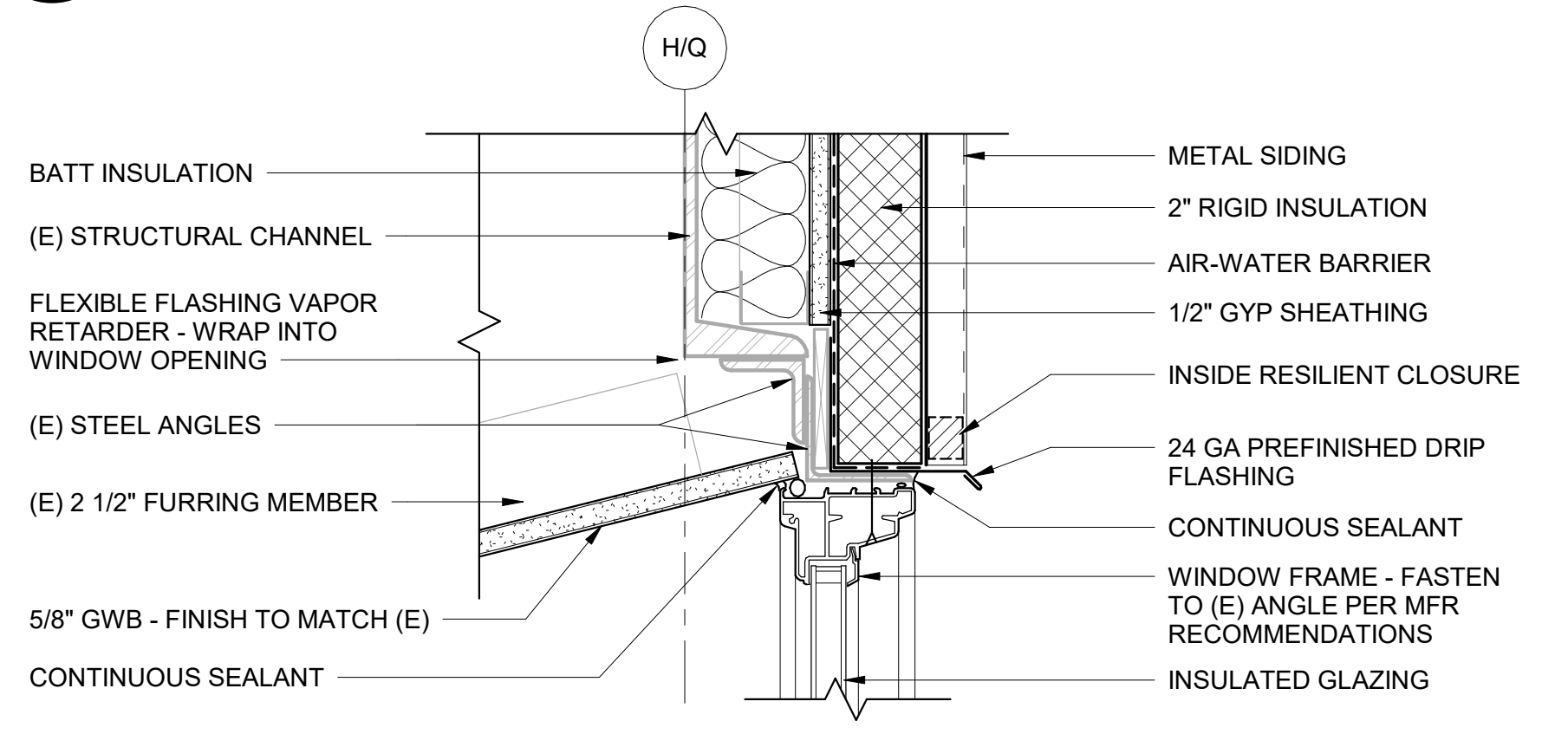


E BUILDING LONGITUDINAL SECTION AT WEST WING
 A302 1/8" = 1'-0"

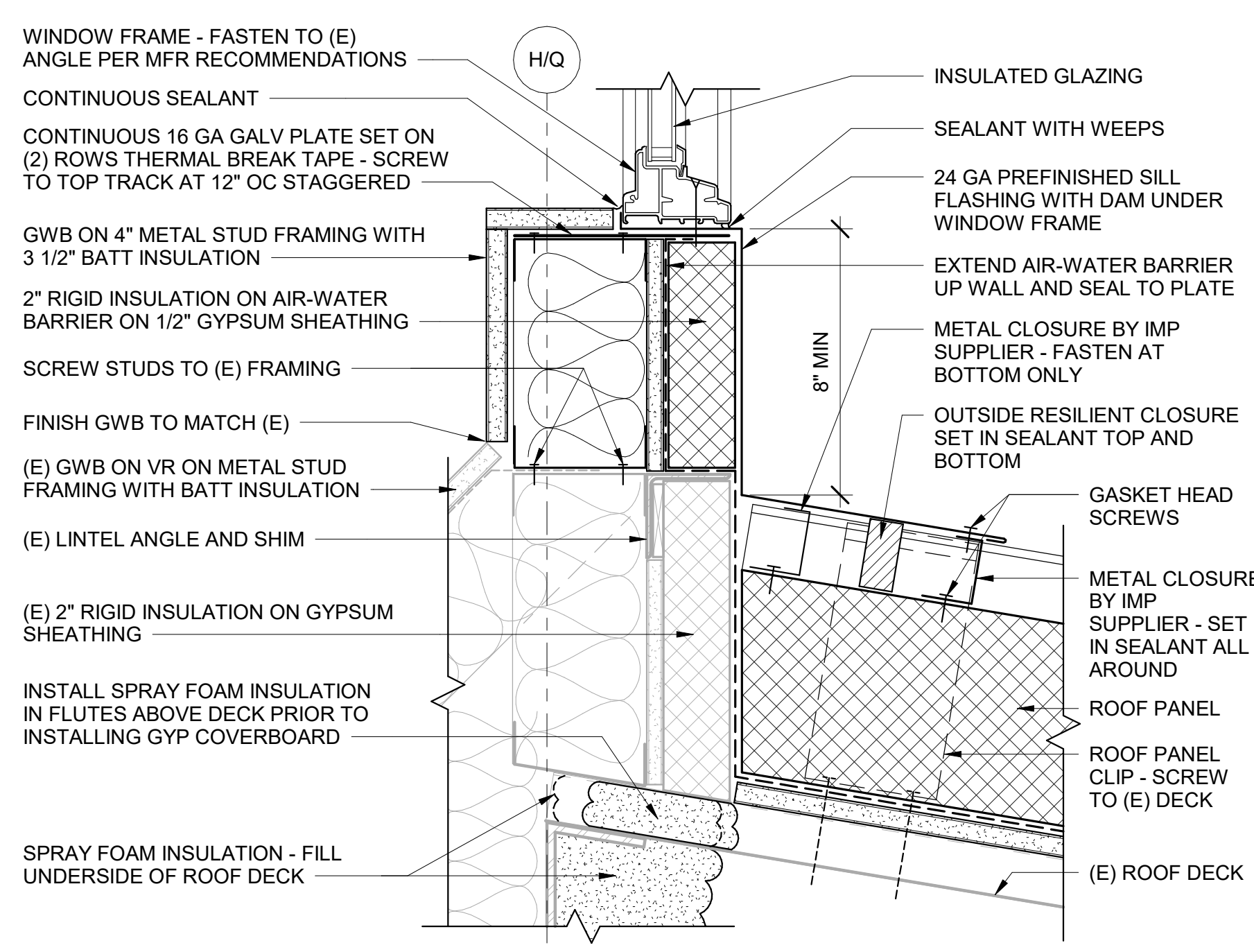




3 HIGH EAVE
A501 3" = 1'-0"



4 CLERESTORY WINDOW HEAD
A501 3" = 1'-0"

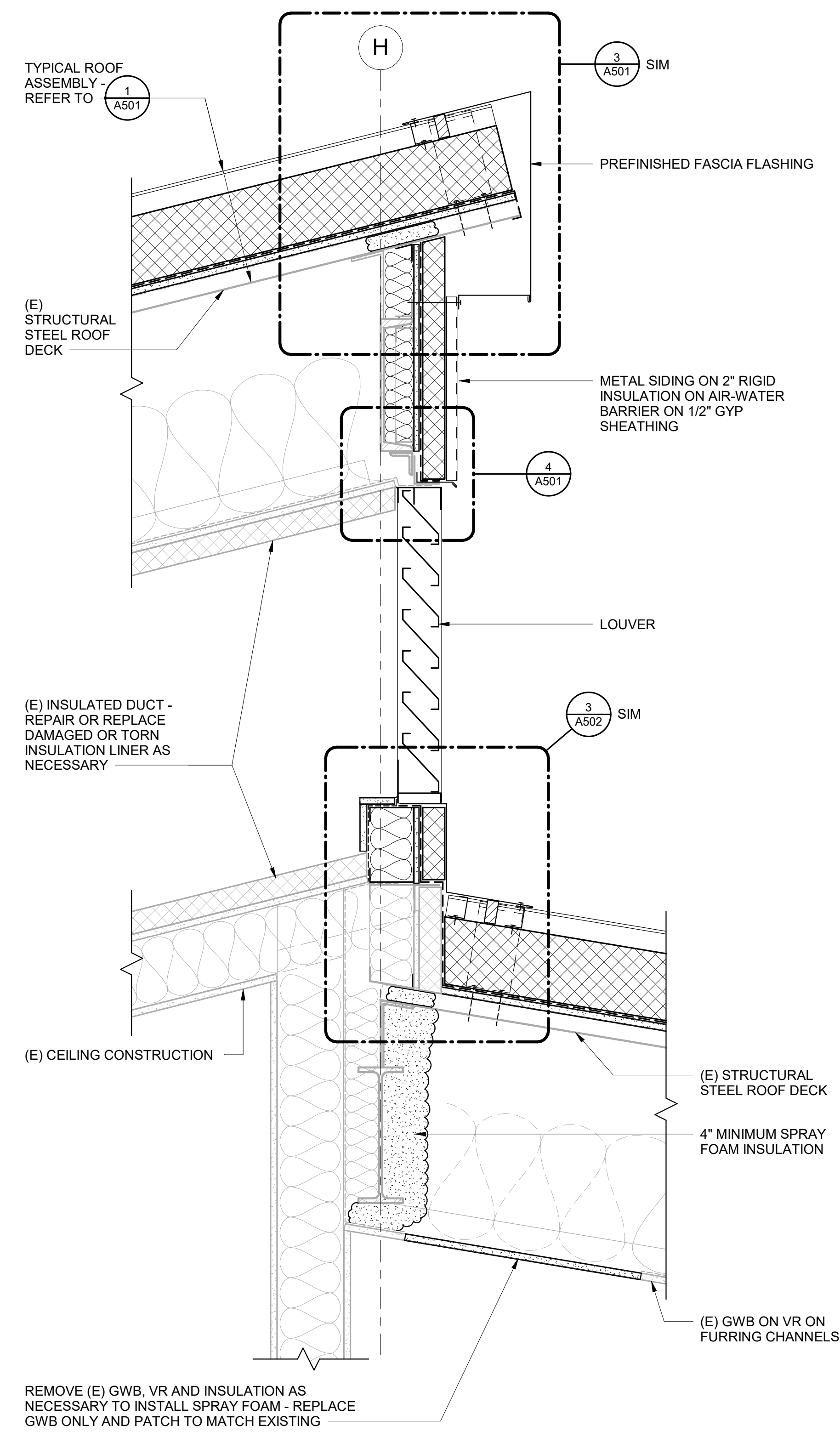


5 CLERESTORY WINDOW SILL
A501 3" = 1'-0"

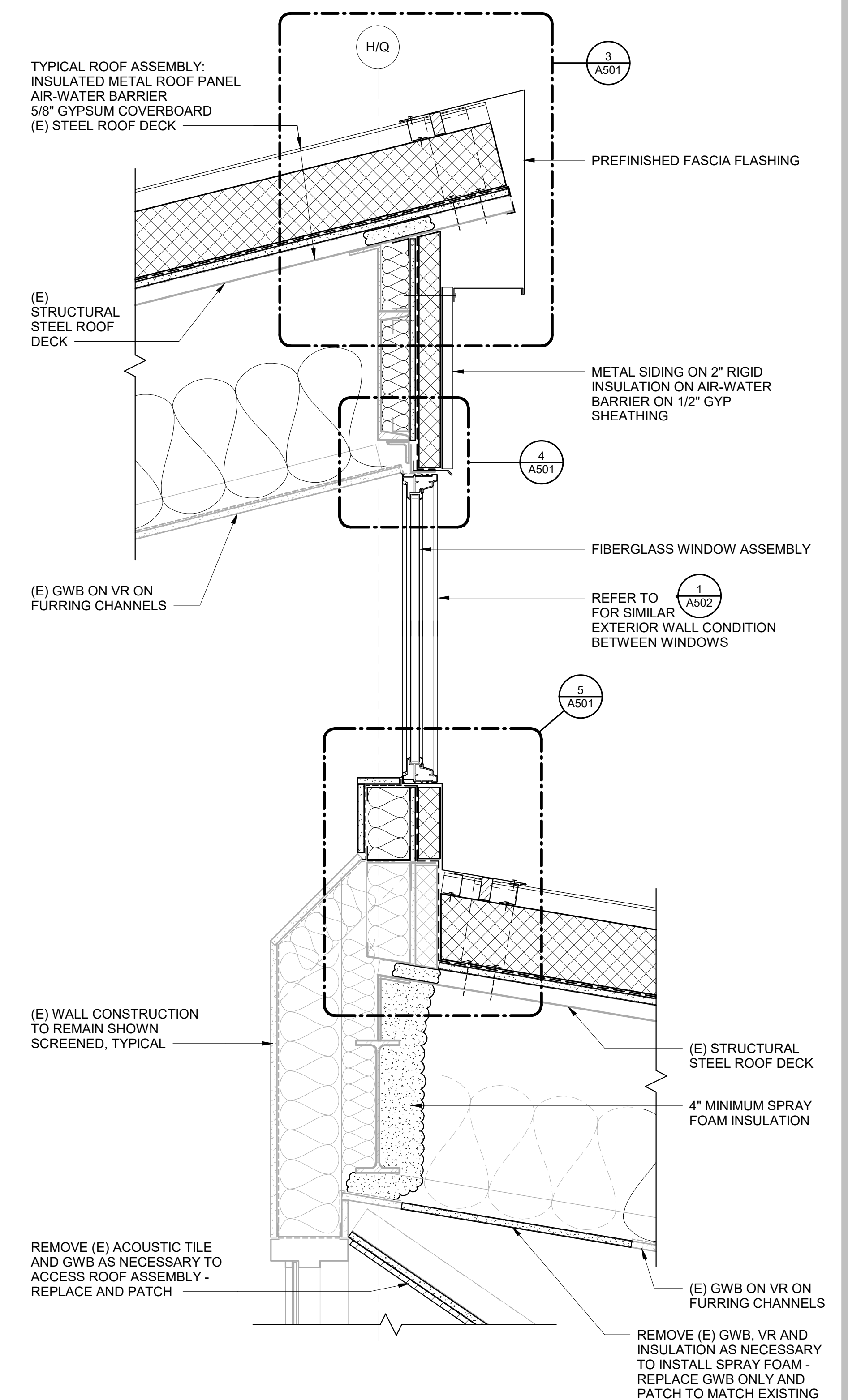
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2 CLERESTORY LOUVER SECTION AT GRID H
A501 1 1/2" = 1'-0"



1 CLERESTORY WINDOW SECTION AT GRIDS H & Q
A501 1 1/2" = 1'-0"

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ANCHORAGE SCHOOL DISTRICT
Spring Hill Elementary School Roof Replacement

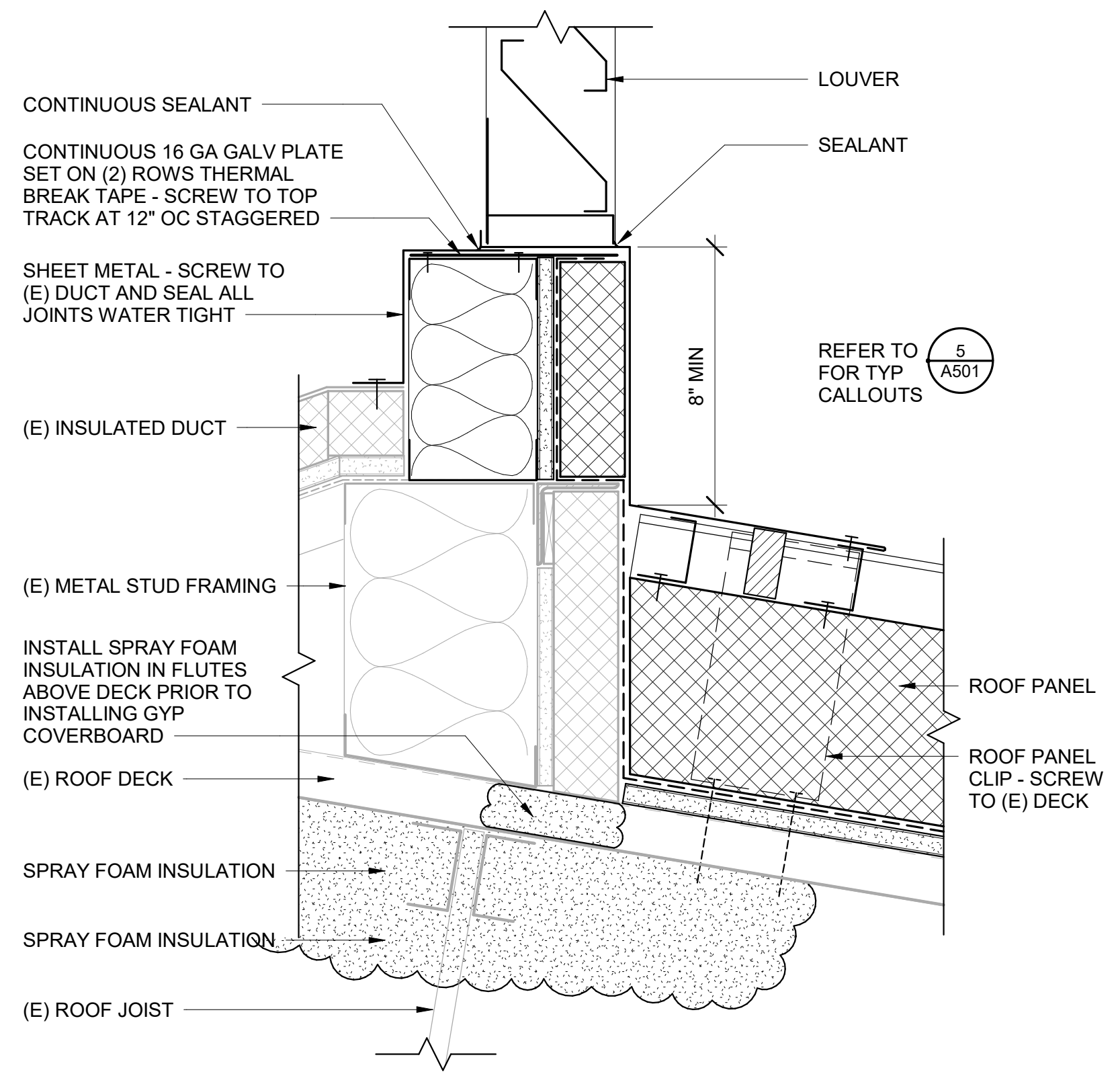
9911 Lake Otis Pkwy,
Anchorage, AK 99507

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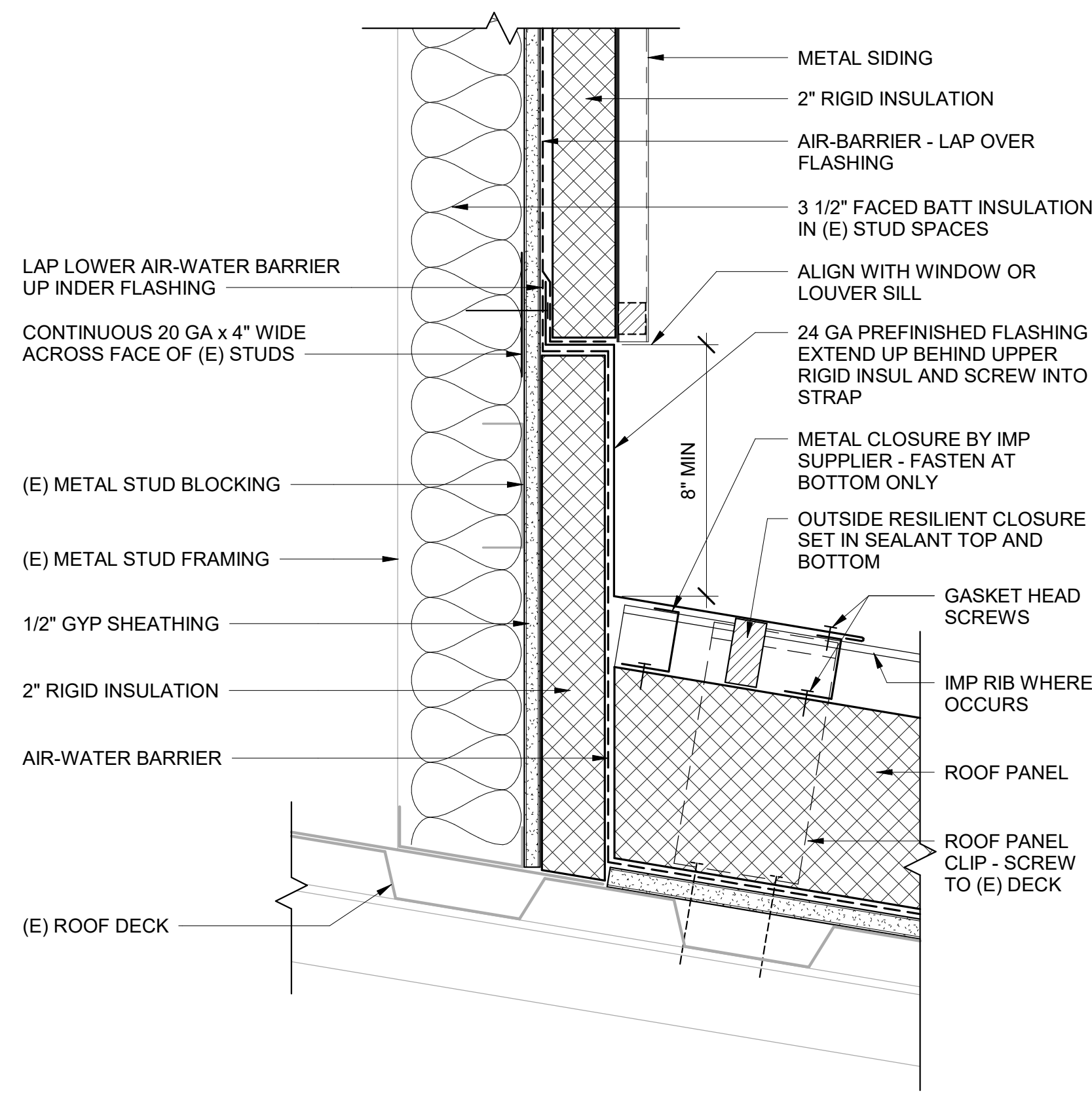
JOB NO. 2023017
DATE: 02/14/2024
PROJ. MGR.: JTW
DRAWN BY: DD
REVIEWED BY: -
REVISIONS:

DETAILS

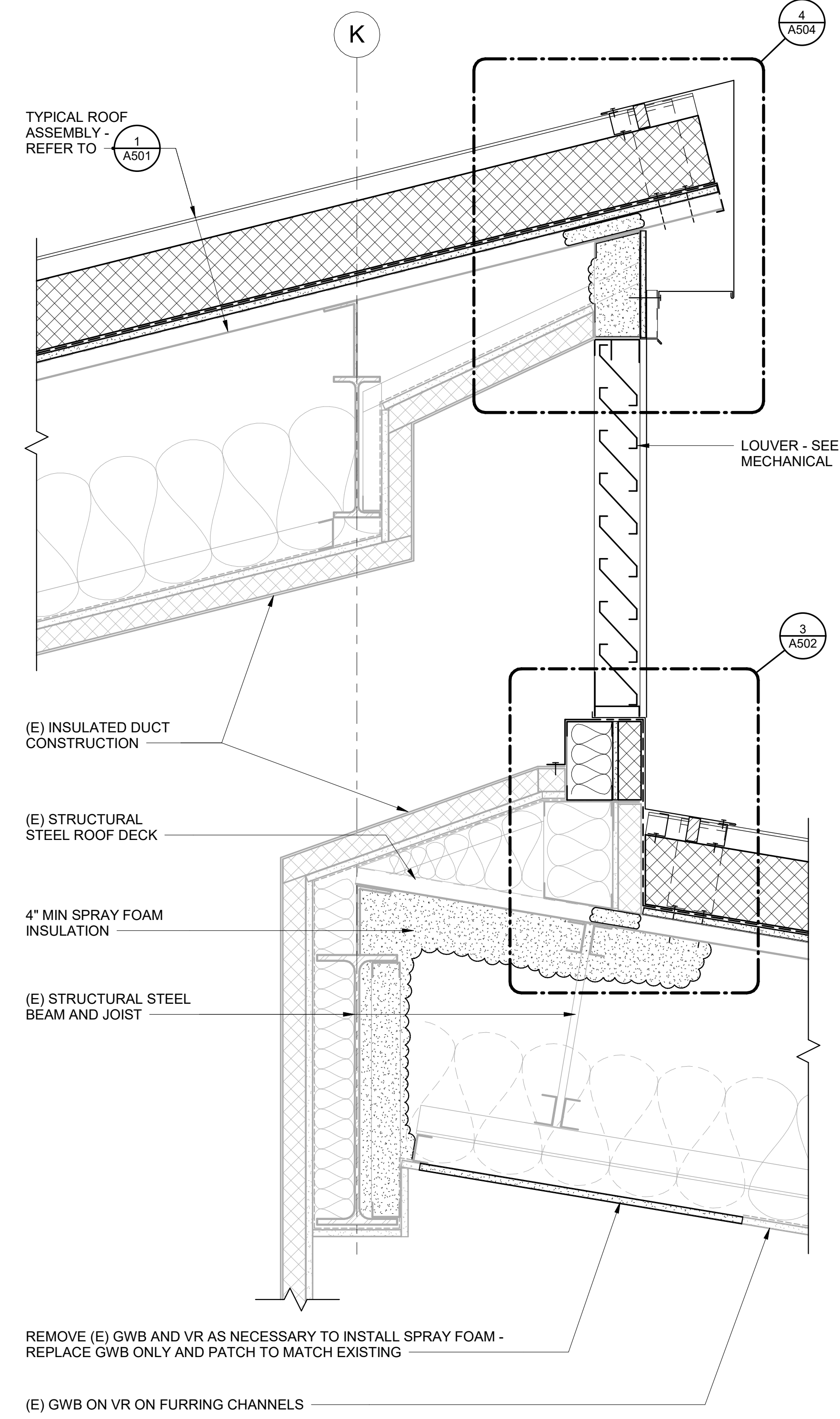
SHEET NO.
A501



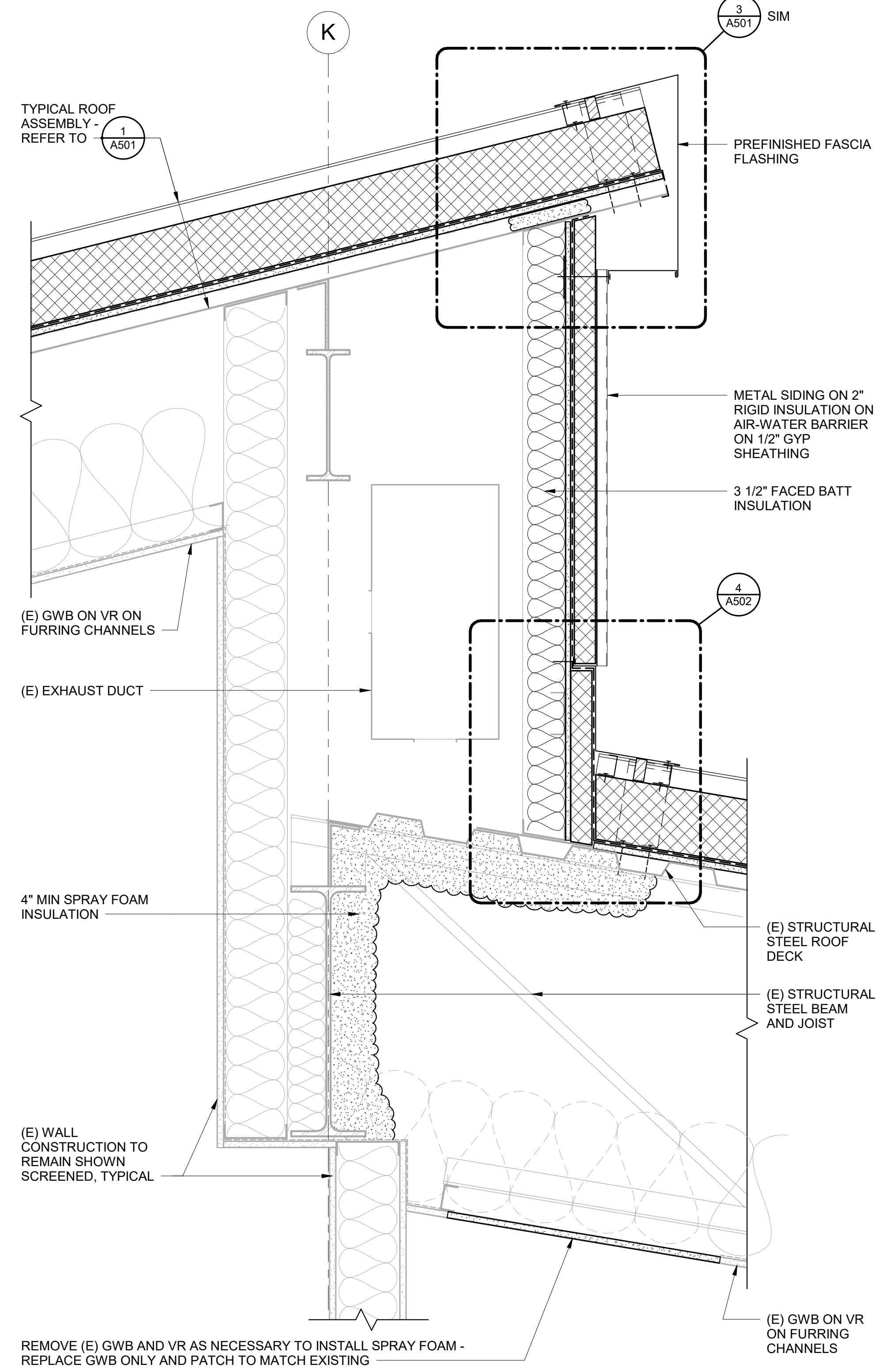
3 CLERESTORY LOUVER SILL
A502 3" = 1'-0"



4 CLERESTORY WALL AT ROOF
A502 3" = 1'-0"



2 CLERESTORY LOUVER SECTION AT GRID K
A502 1 1/2" = 1'-0"



1 CLERESTORY WALL SECTION AT GRID K
A502 1 1/2" = 1'-0"

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Spring Hill Elementary School Roof Replacement

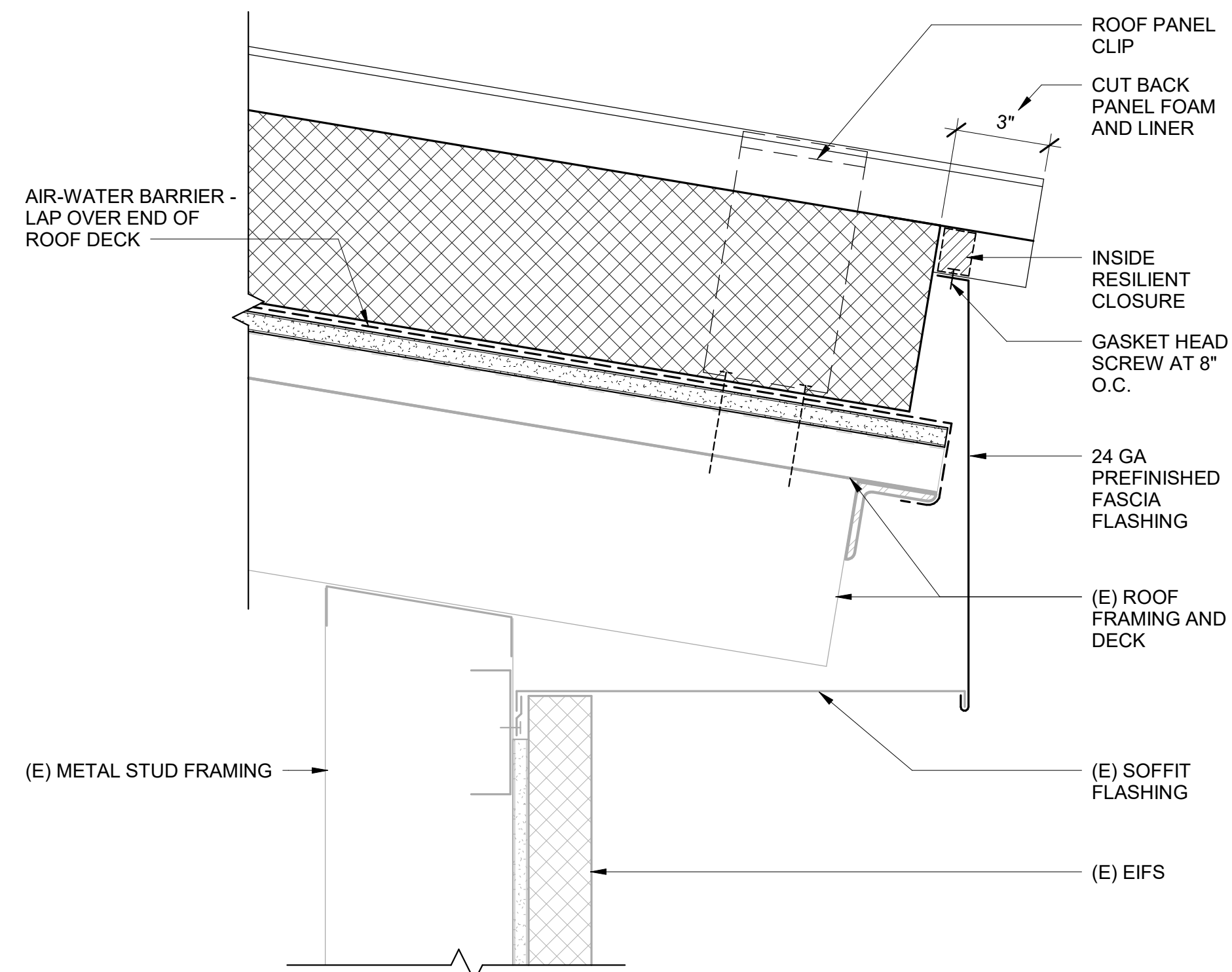
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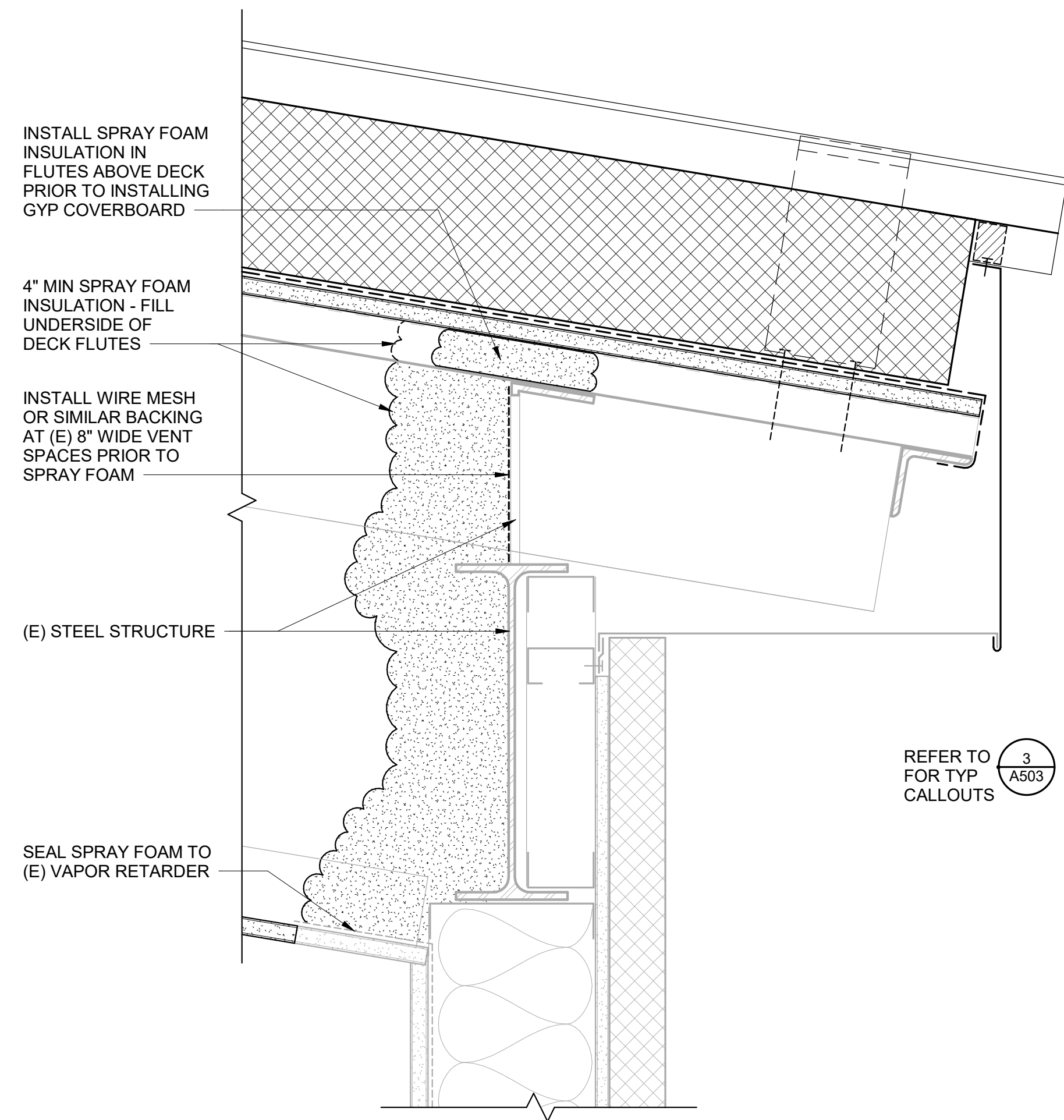
JOB NO. 2023017
DATE: 02/14/2024
PROJ. MGR.: JTW
DRAWN BY: DD
REVIEWED BY: Checker
REVISIONS:

DETAILS

SHEET NO.
A502



3 LOW EAVE
A503 3" = 1'-0"



4 LOW EAVE AT IMC
A503 3" = 1'-0"

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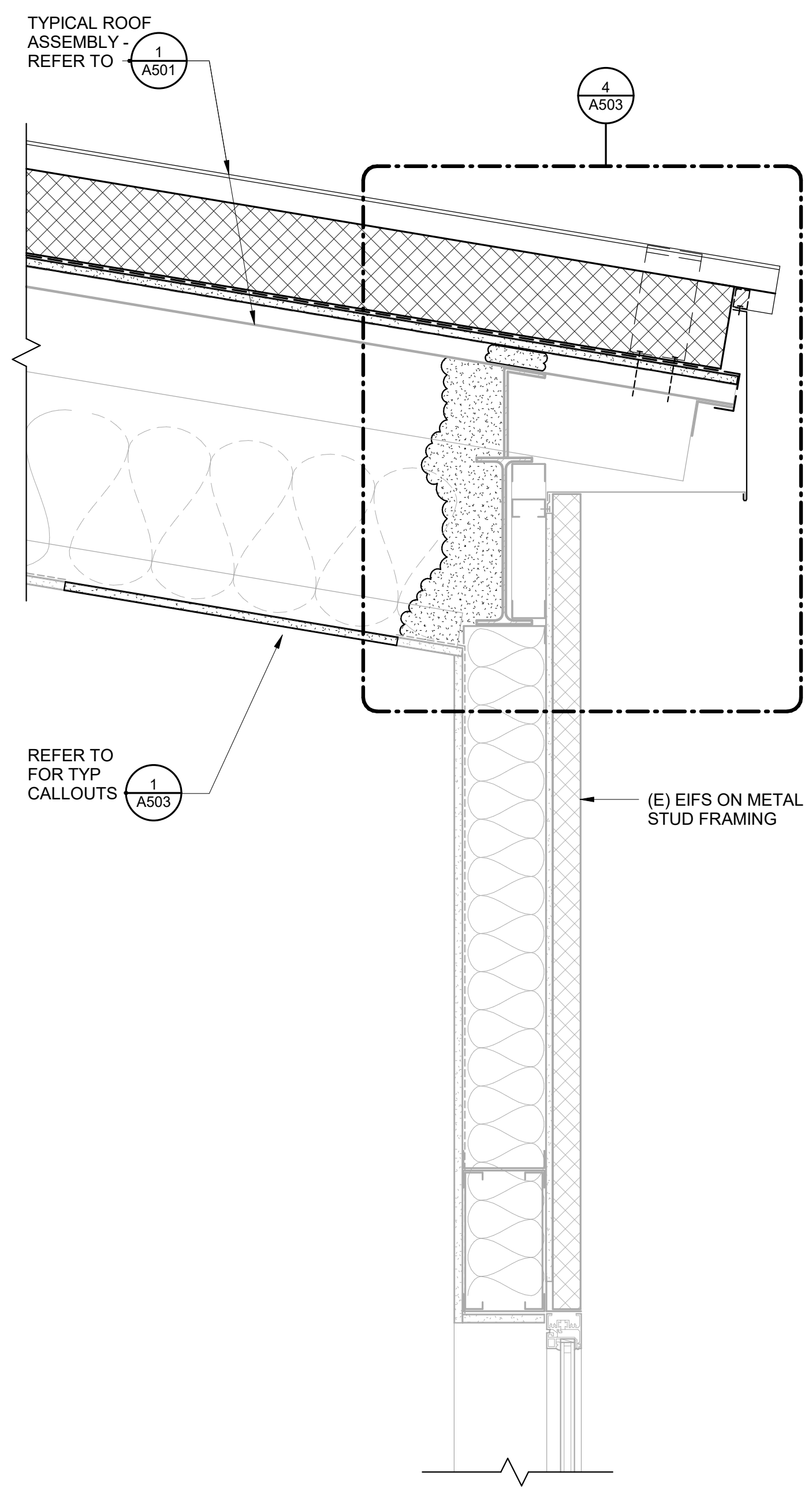
ANCHORAGE SCHOOL DISTRICT

Spring Hill Elementary School Roof Replacement

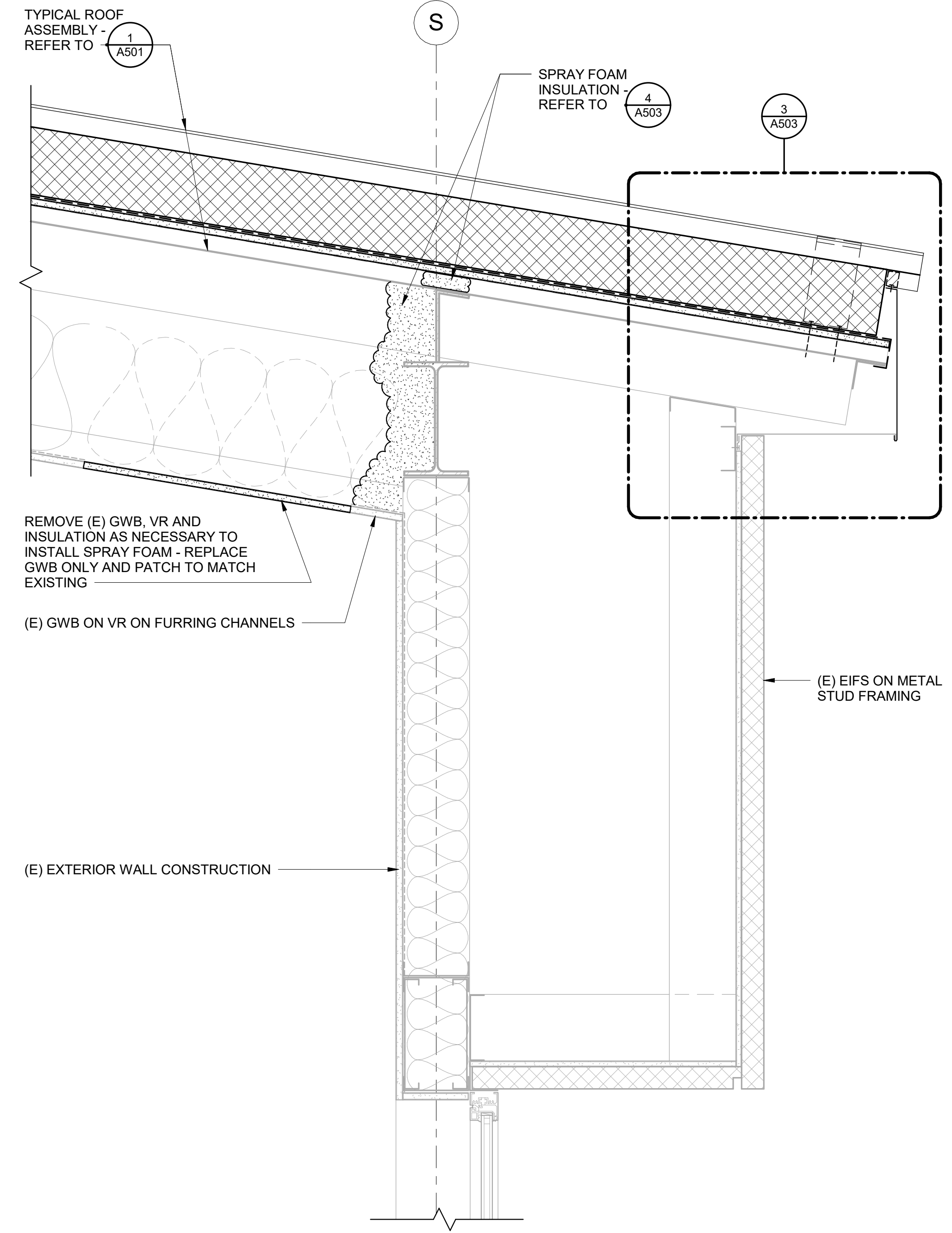
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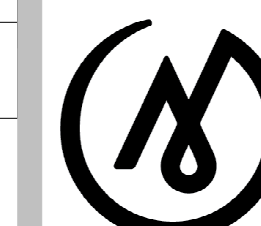
2 LOW EAVE SECTION AT IMC
A503 1 1/2" = 1'-0"



1 LOW EAVE SECTION AT CLASSROOMS
A503 1 1/2" = 1'-0"

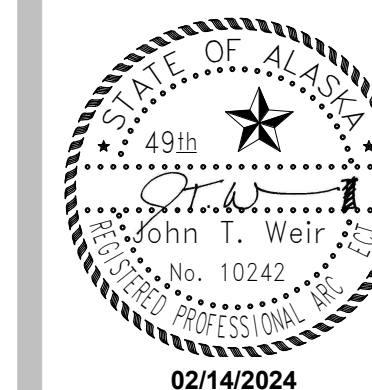
DETAILS

SHEET NO.
A503



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**Spring Hill
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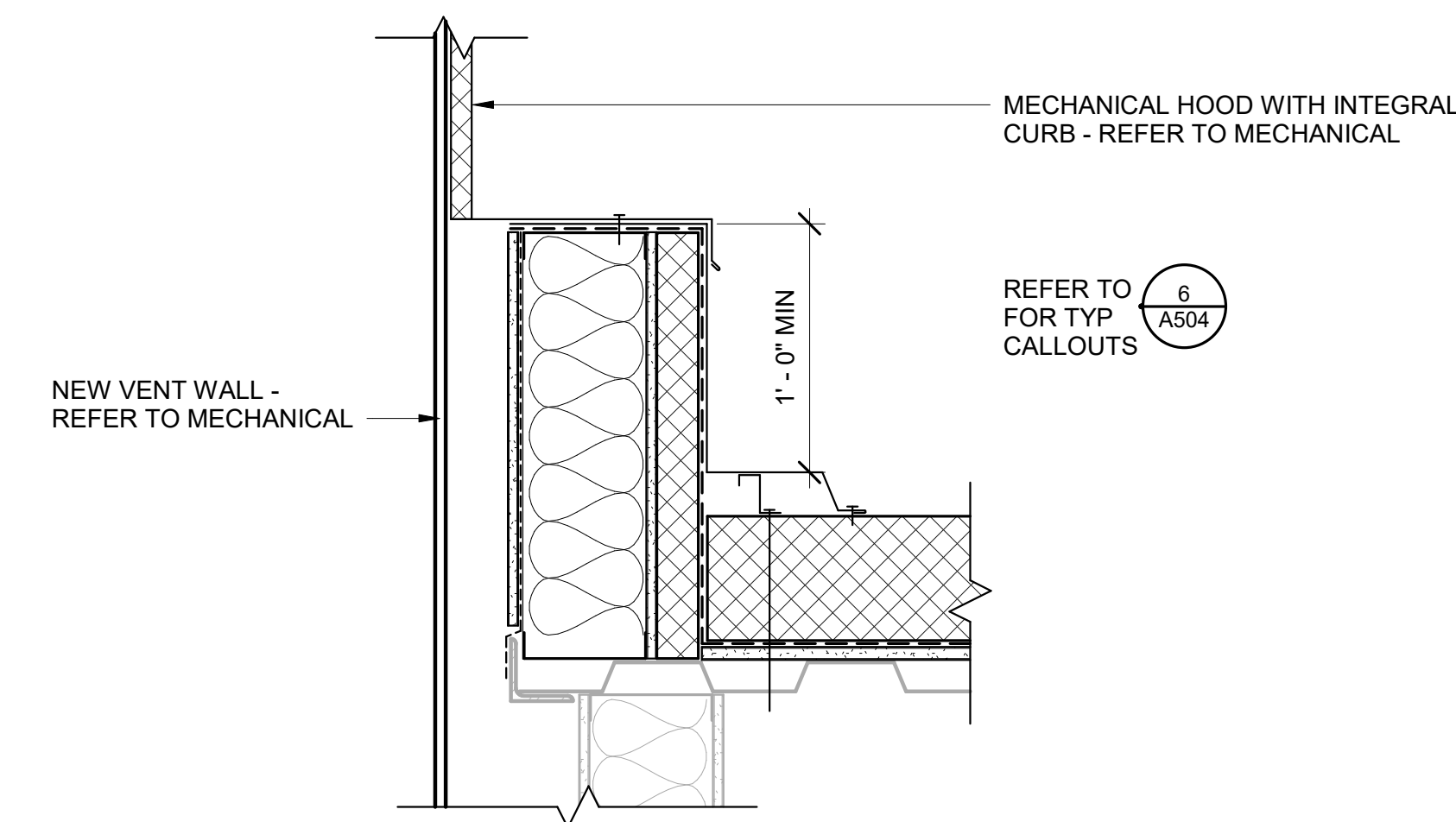
DETAILS

SHEET NO.
A504

NOTIFICATION OF POTENTIAL HAZARD
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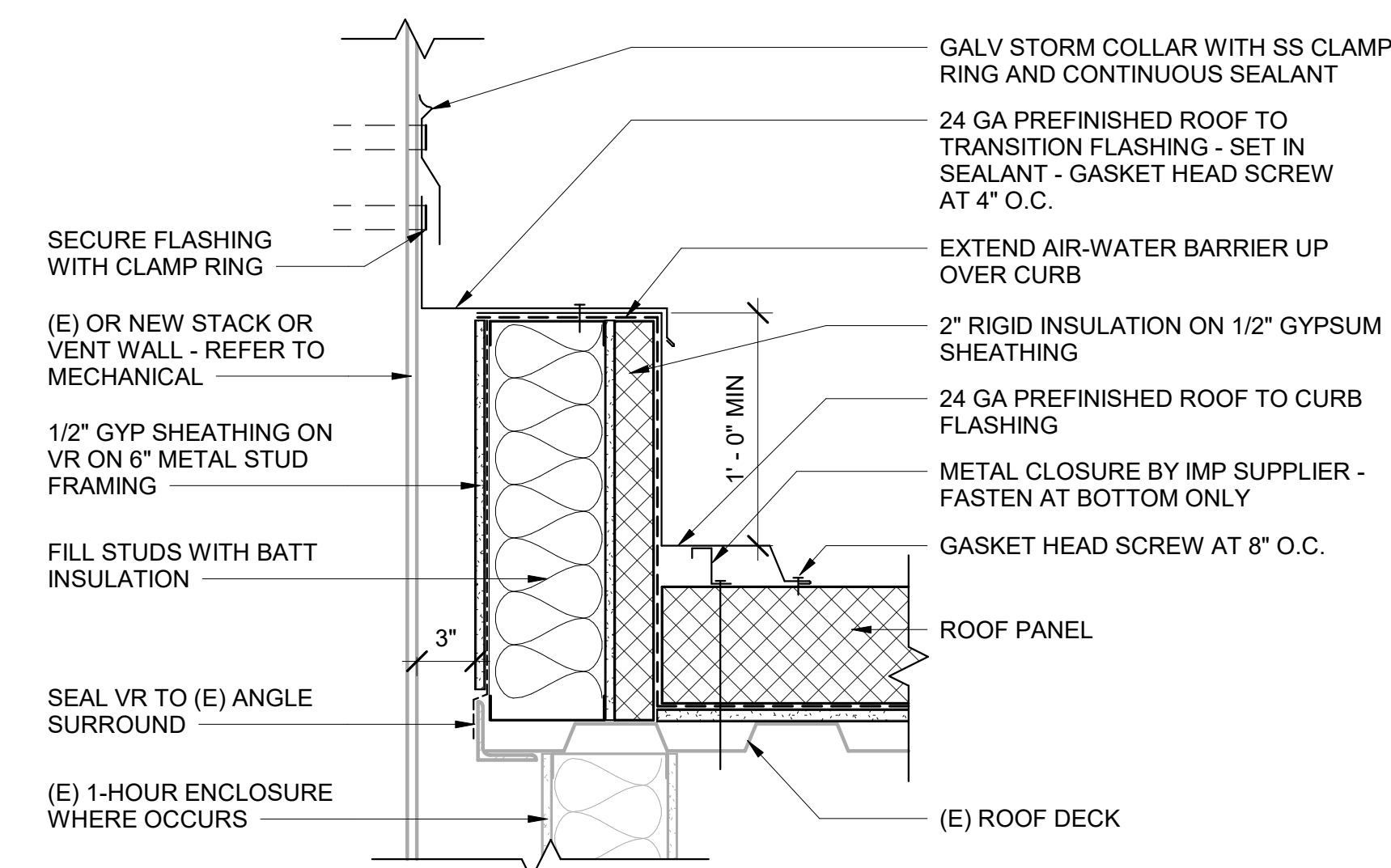
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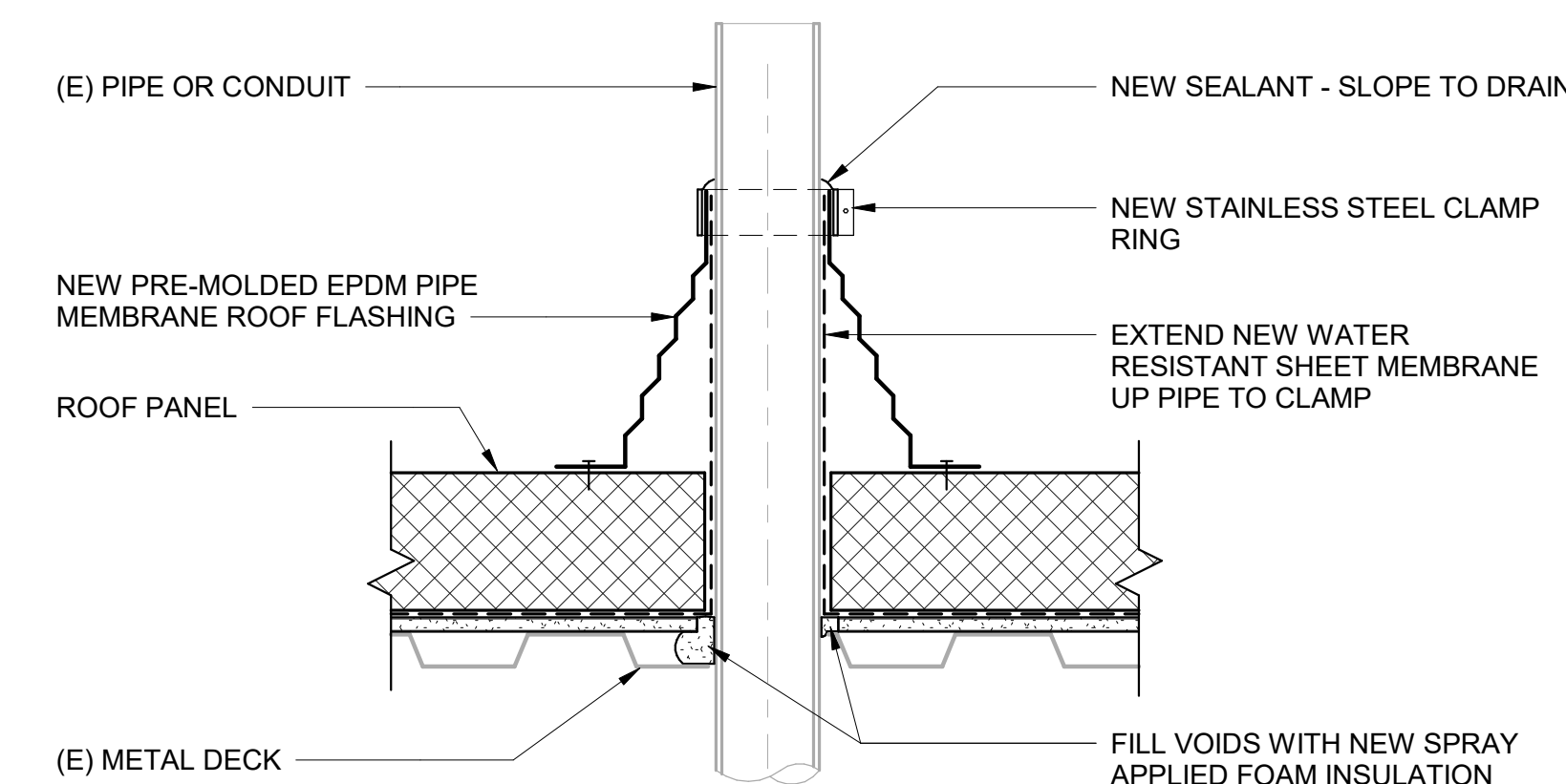
5 ROOF CURB AT KITCHEN EXHAUST HOOD

A504 1 1/2" = 1'-0"



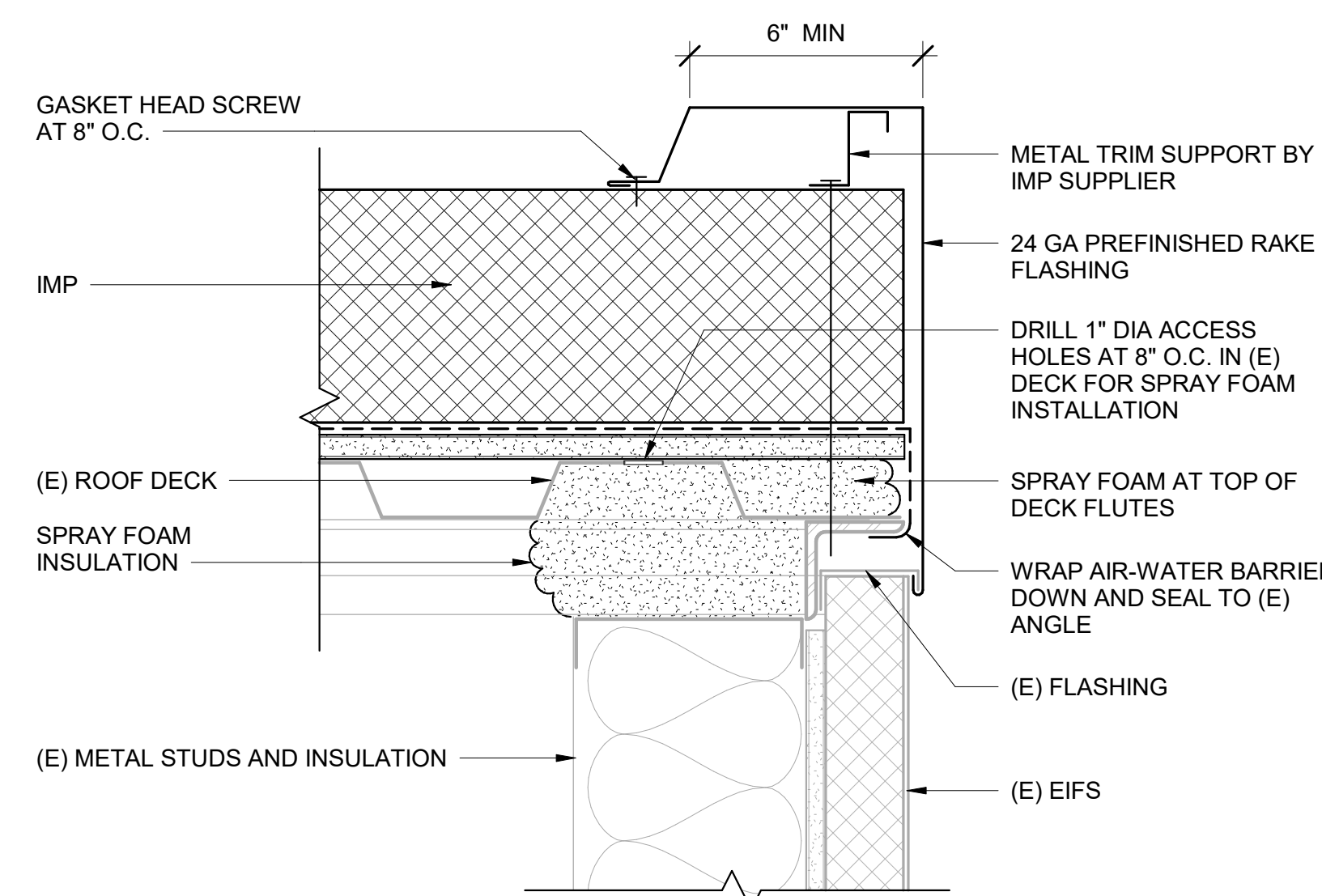
6 ROOF CURB AT STACK

A504 1 1/2" = 1'-0"



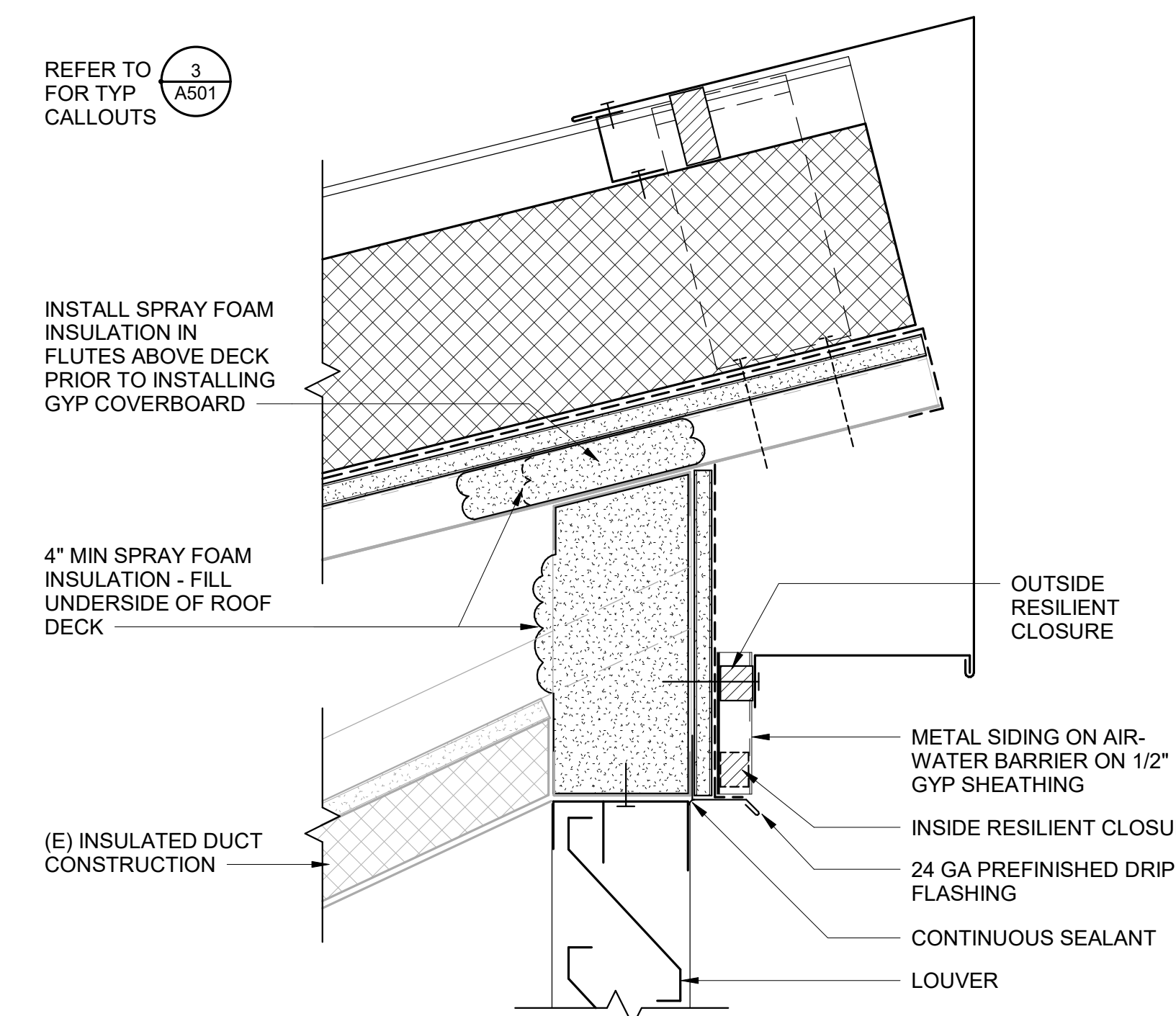
7 ROOF PIPE PENETRATION

A504 1 1/2" = 1'-0"



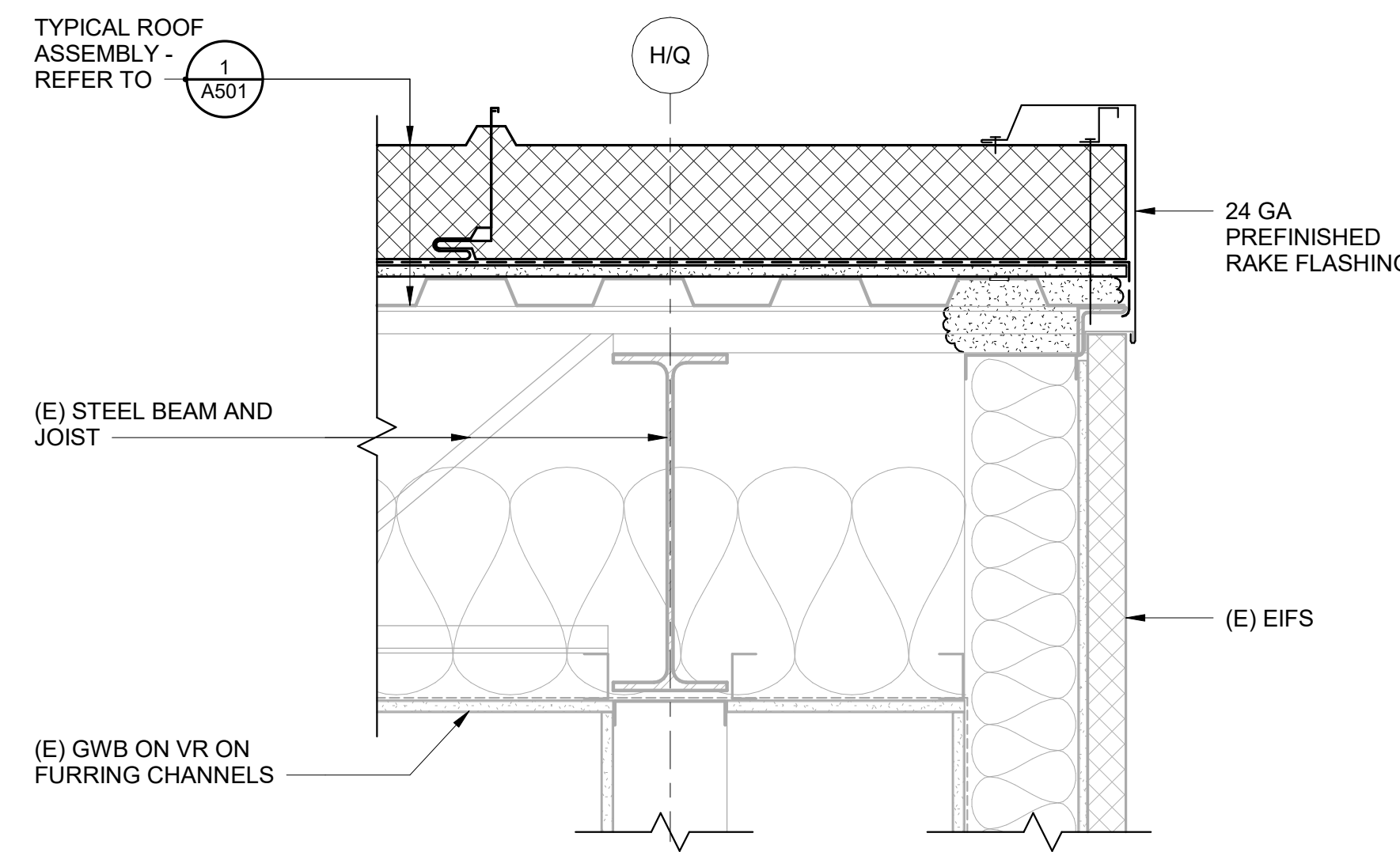
3 TYPICAL RAKE FLASHING

A504 3" = 1'-0"



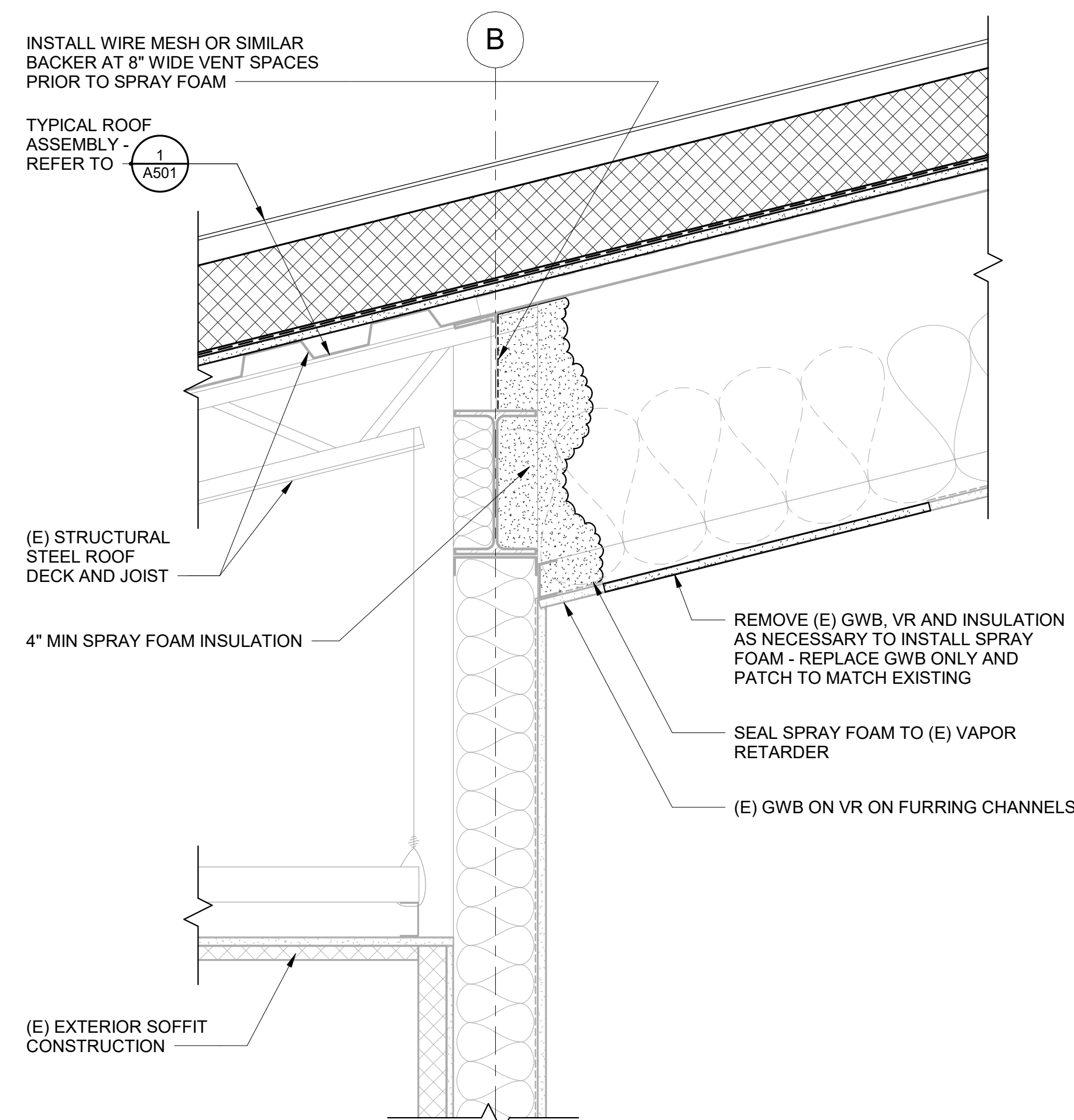
4 HIGH EAVE AT LOUVER HEAD

A504 3" = 1'-0"



1 TYPICAL ROOF RAKE SECTION

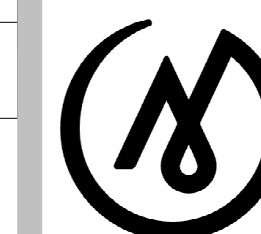
A504 1 1/2" = 1'-0"



2 ROOF SECTION AT EXTERIOR SOFFIT

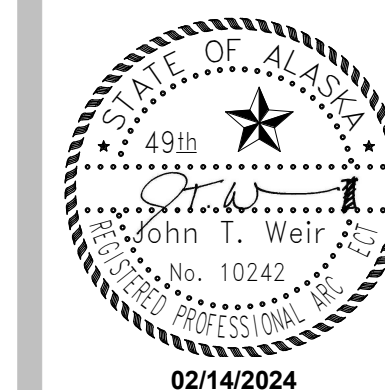
A504 1 1/2" = 1'-0"

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ANCHORAGE
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**Spring Hill
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9911 Lake Otis Pkwy,
 Anchorage, AK 99507

**100% BID
 DOCUMENTS**

JOB NO.: 2023017
 DATE: 02/14/2024
 PROJ. MGR.: JTW
 DRAWN BY: DD
 REVIEWED BY: Checker
 REVISIONS:

DETAILS

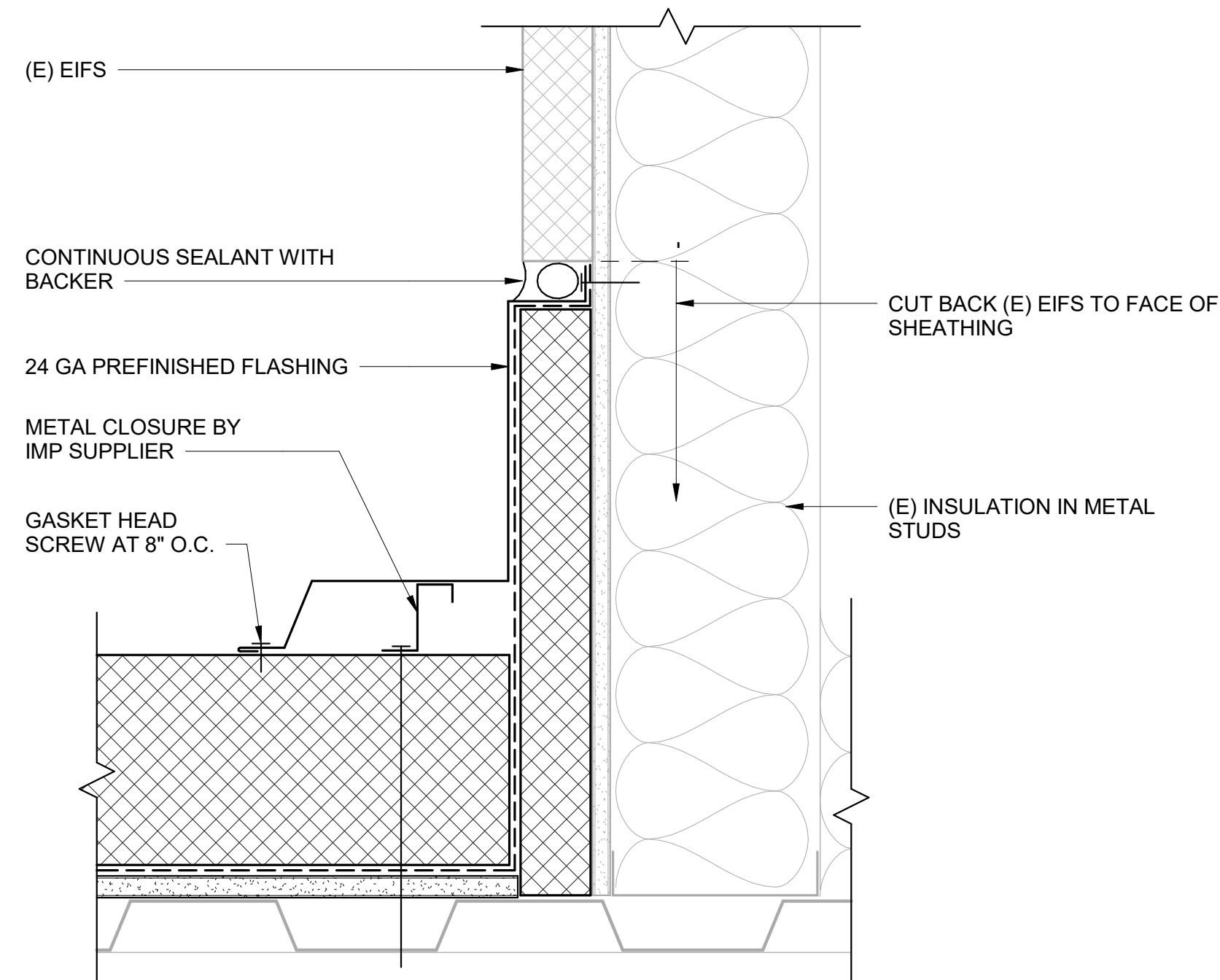
SHEET NO.

A505

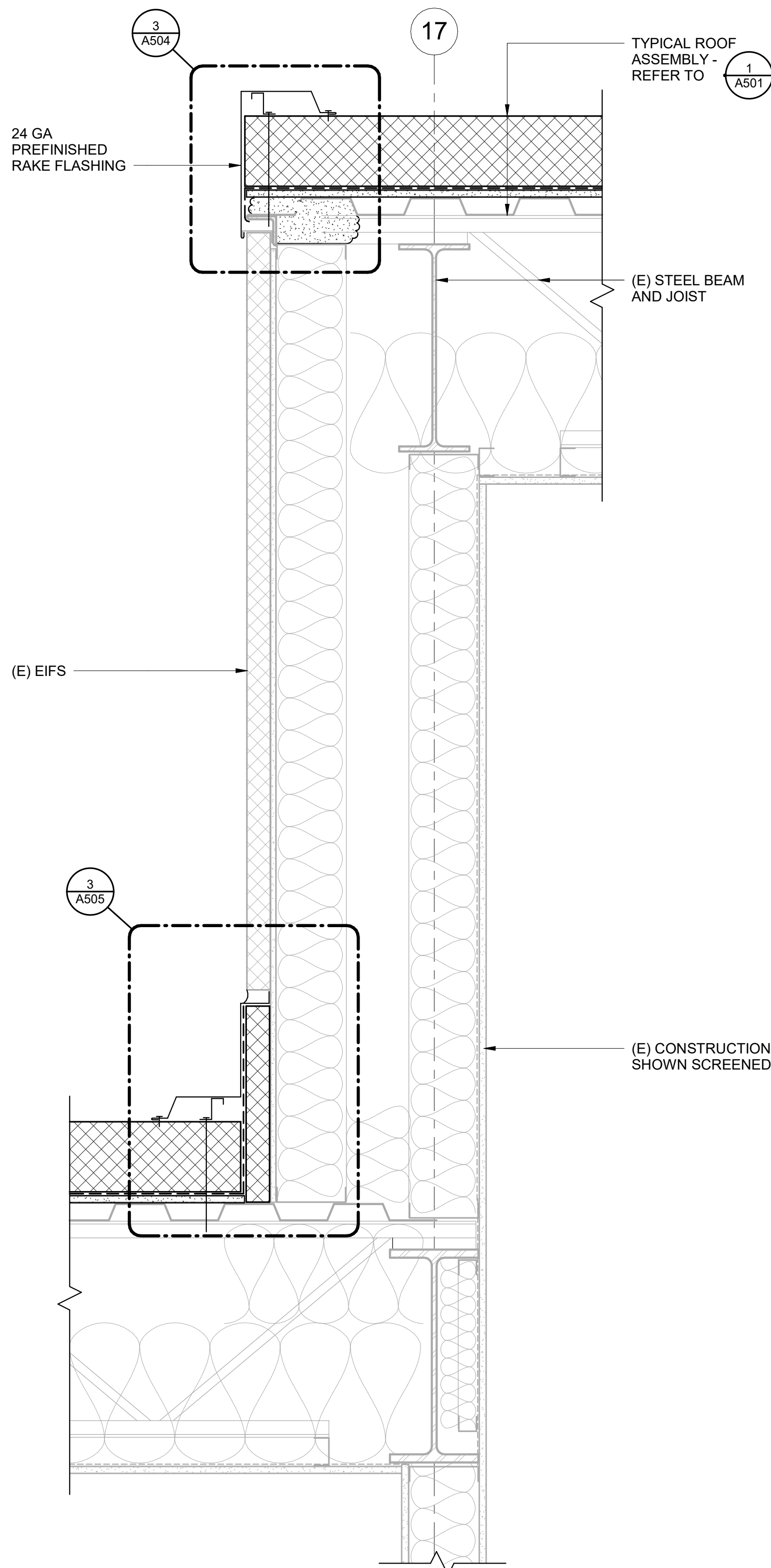
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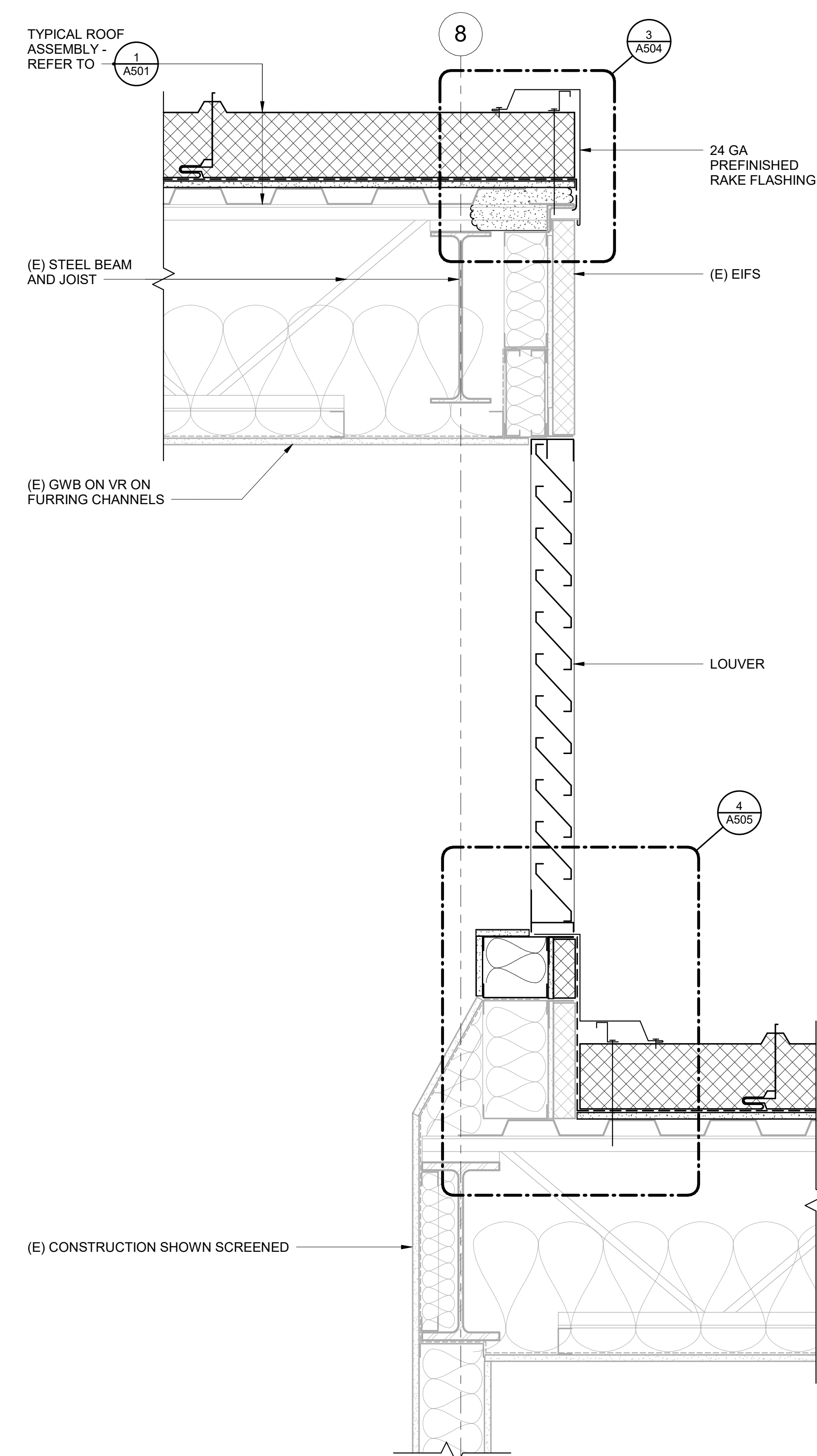
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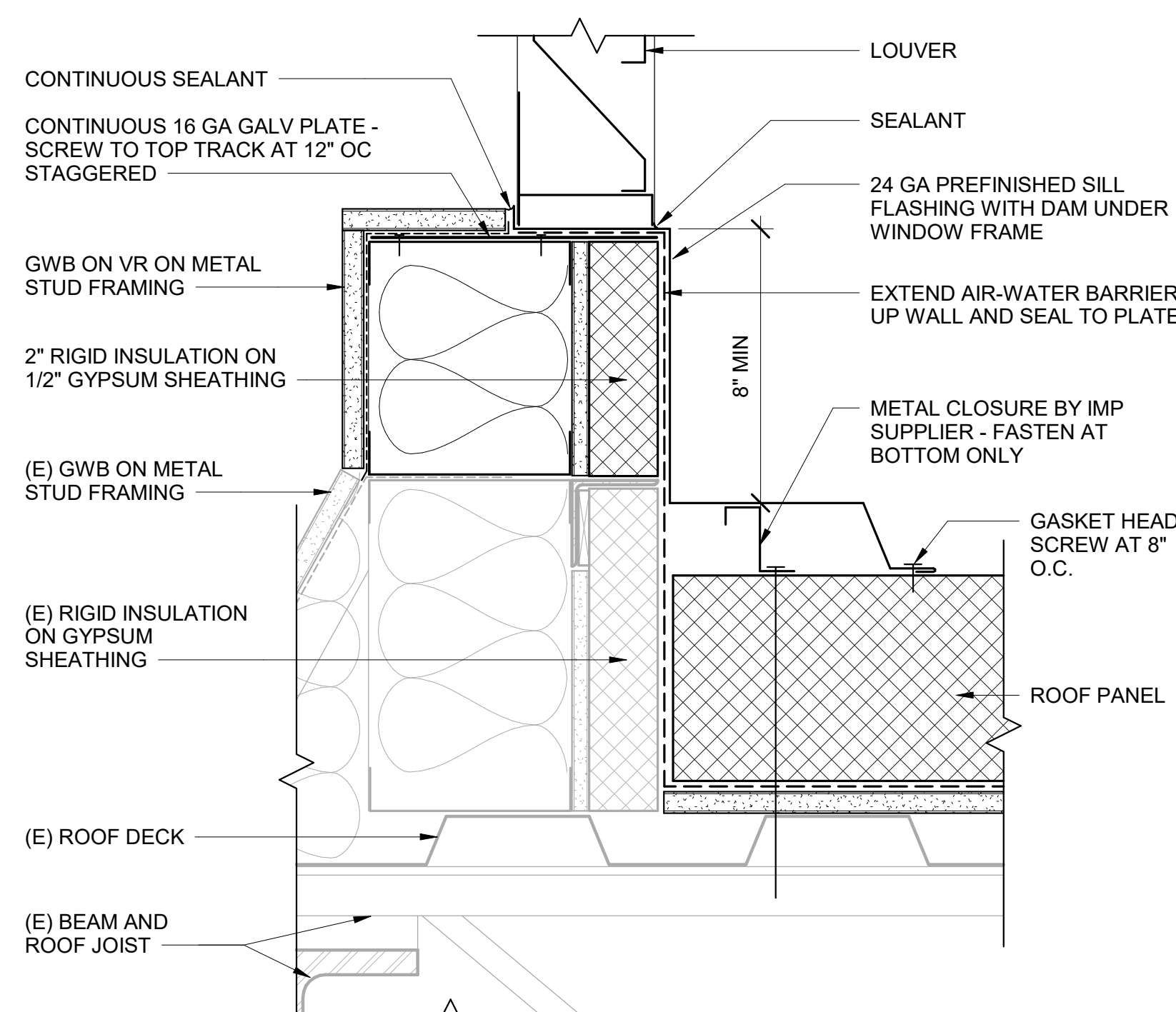
3 ROOF AT SIDEWALL
 A505 3" = 1'-0"



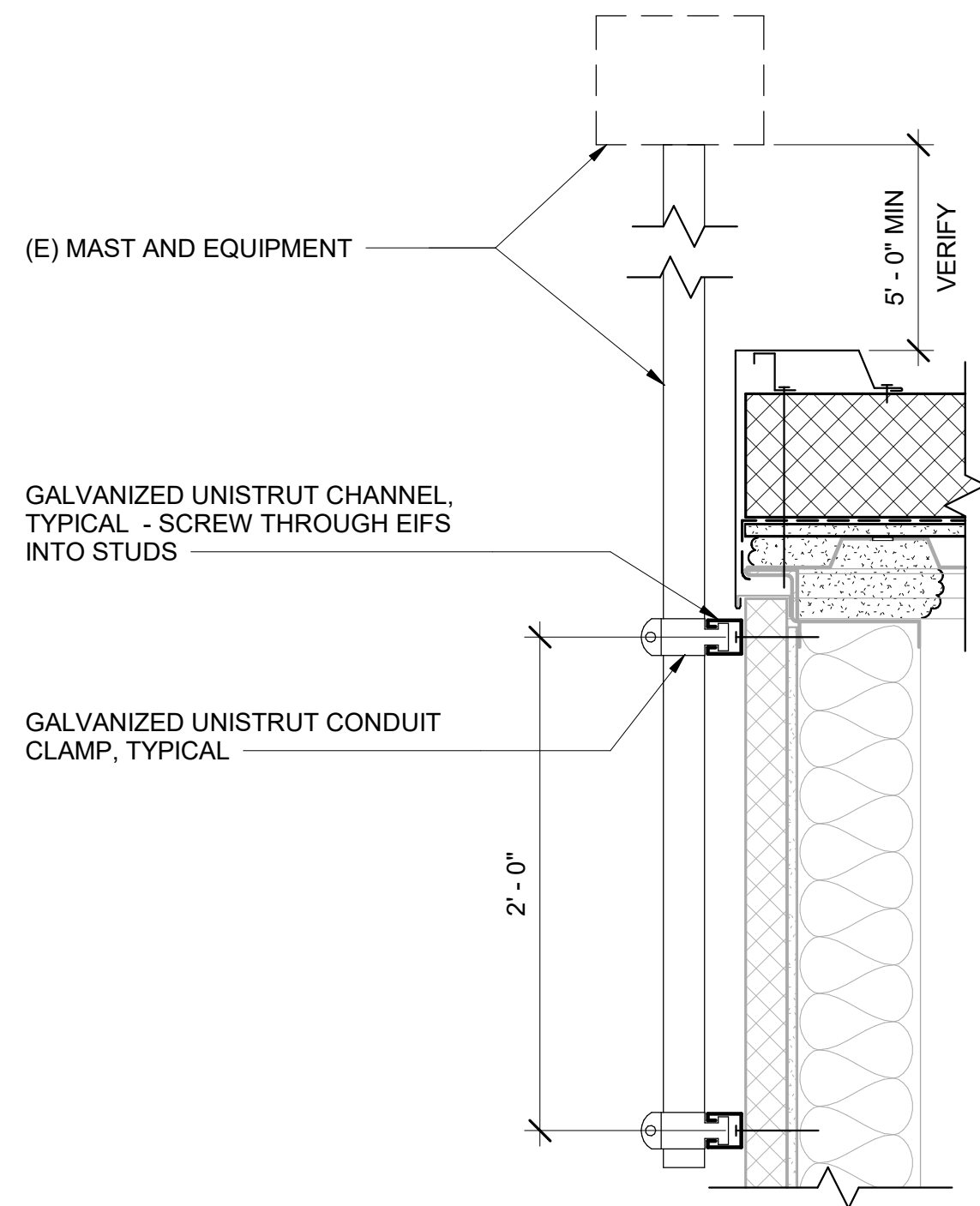
2 ROOF TRANSITION AT GRID 17
 A505 1 1/2" = 1'-0"



1 ROOF TRANSITION AT GRID 8
 A505 1 1/2" = 1'-0"



4 SIDE WALL LOUVER SILL
 A505 3" = 1'-0"



4 ANTENNA MAST MOUNT
A506 1 1/2" = 1'-0"

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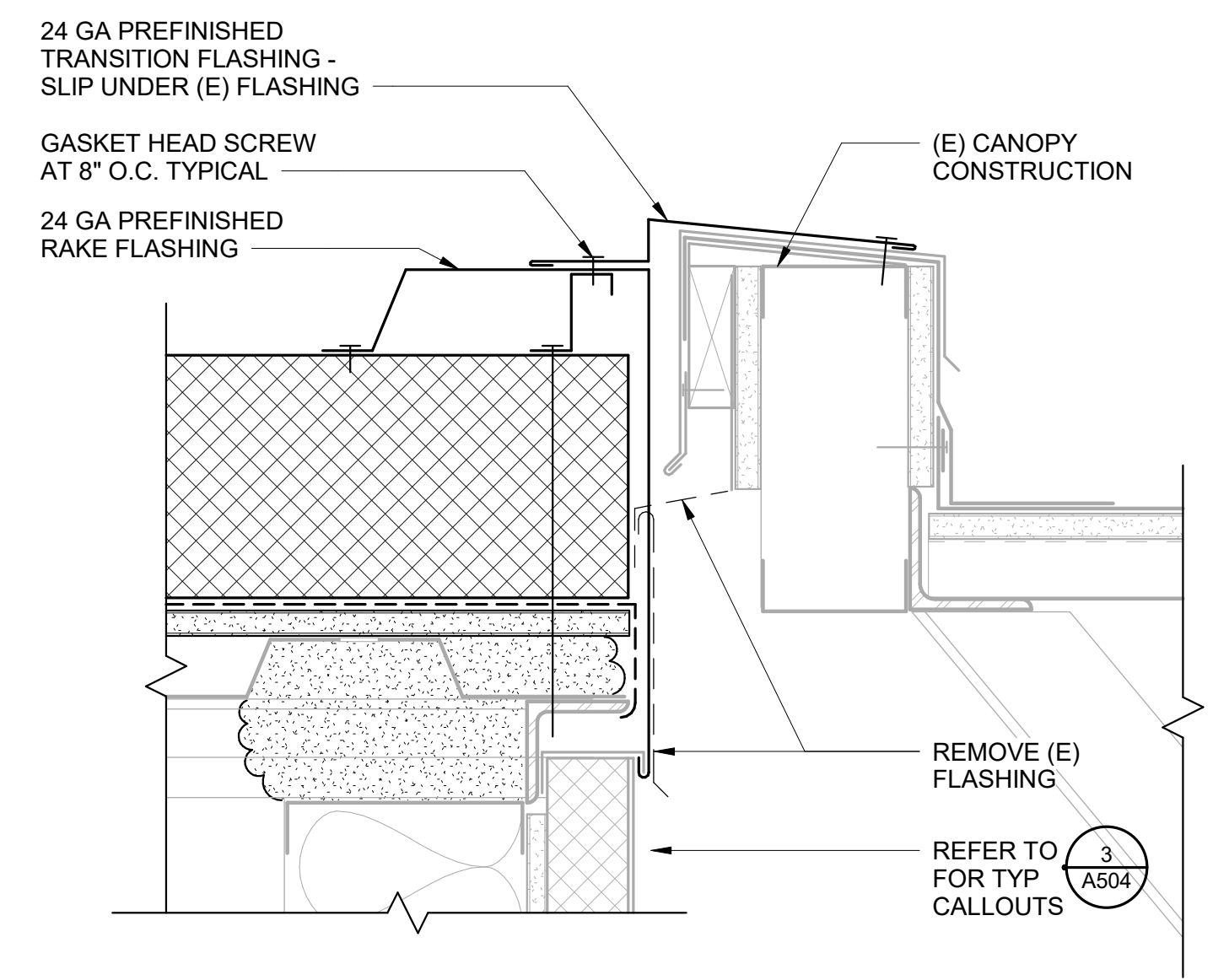
ANCHORAGE SCHOOL DISTRICT

Spring Hill Elementary School Roof Replacement

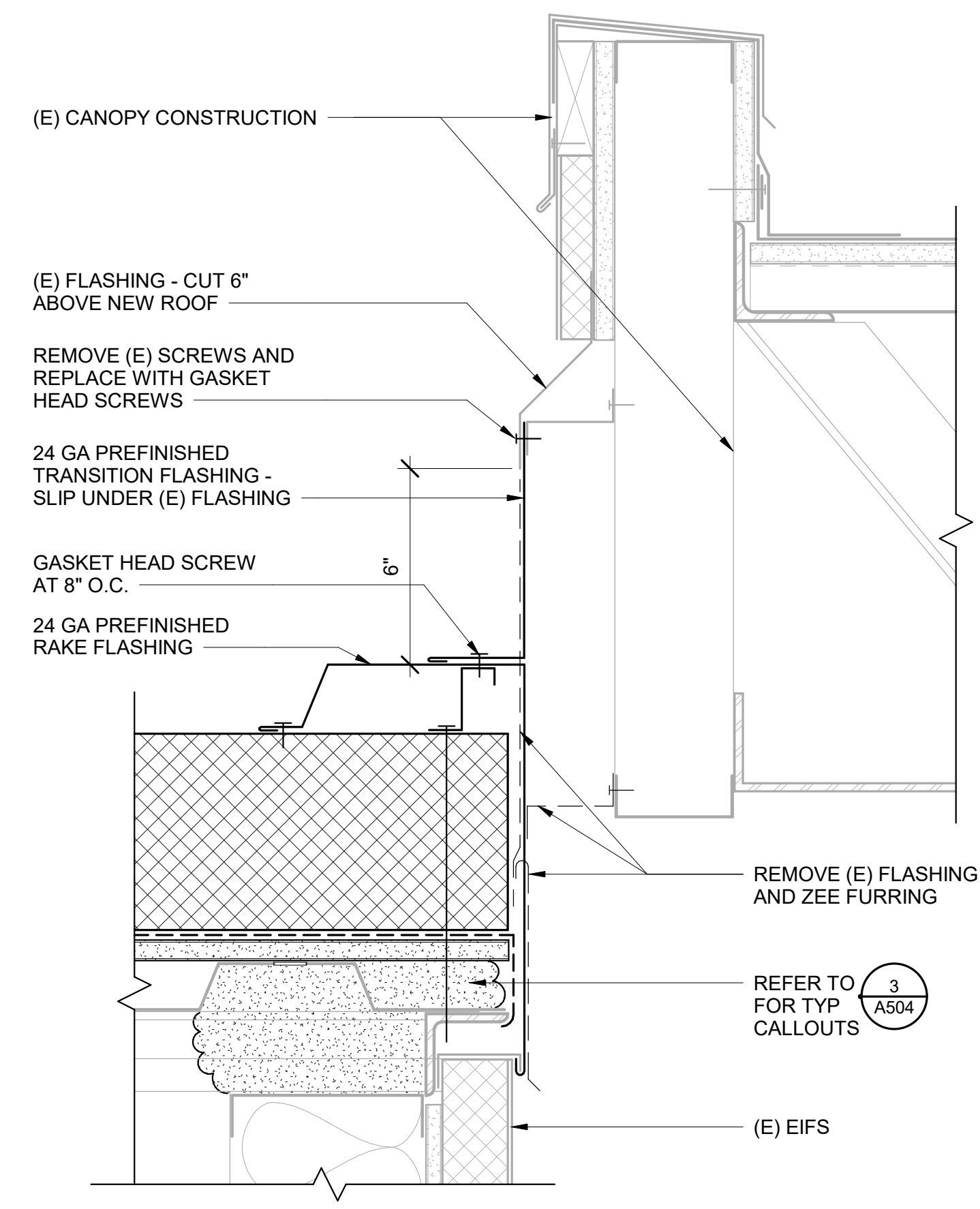
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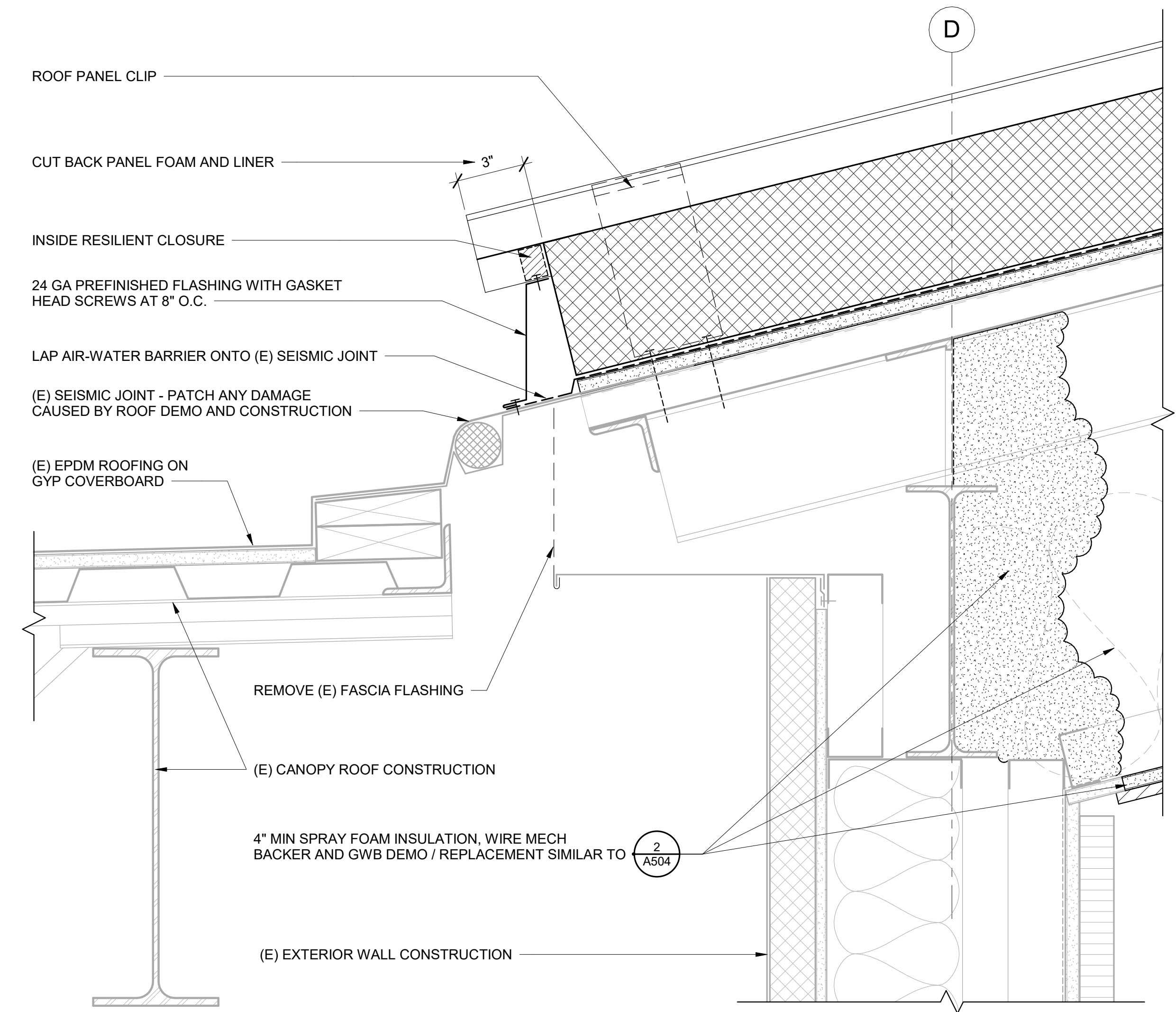
JOB NO.: 2023017
DATE: 02/14/2024
PROJ. MGR.: JTW
DRAWN BY: DD
REVIEWED BY: Checker
REVISIONS:



2 ROOF RAKE AT (E) CANOPY
A506 3" = 1'-0"



3 ROOF RAKE BELOW (E) CANOPY
A506 3" = 1'-0"



1 EAVE TRANSITION AT CANOPY
A506 3" = 1'-0"

DETAILS

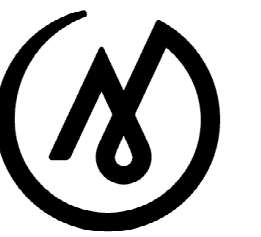
SHEET NO.
A506

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**SPRING HILL
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 SCHOOL
 ROOF
 REPLACEMENT**

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JOB NO. **M3177**
 DATE: **02/14/2024**
 PROJ. MGR.: **MEM**
 DRAWN BY: **JMC**
 REVIEWED BY: **DRM**
 REVISIONS:

**MECHANICAL
 LEGEND,
 ABBREVIATIONS,
 AND
 SCHEDULES**

SHEET NO.

M001

PIPING LEGEND	LOGIC	ABBREVIATIONS
<p>----- DENOTES DEMOLITION</p> <p>--- --- WASTE</p> <p>----- VENT PIPING</p> <p>---xxx--- SEE ABBREVIATIONS FOR MEDIA</p> <p>---○--- PIPE UP</p> <p>---○--- PIPE DOWN</p> <p>---○--- TEE UP</p> <p>---○--- TEE DOWN</p> <p>---]--- CAP</p> <p>--- --- CLEANOUT</p> <p>⊗ FLOOR CLEANOUT</p> <p>⊕ ROOF DRAIN</p> <p>⊕ DETAILED PIPE UP & DOWN</p>	<p>⊕ POINT OF CONNECTION</p> <p>⊗- DETAIL NUMBER</p> <p>⊗-xx- SHEET LOCATED ON</p> <p>← DIRECTION OF VIEW</p> <p>⊗- SECTION NUMBER</p> <p>⊗-xx- SHEET LOCATED ON</p> <p>⊗ SHEET NOTES</p> <hr/> <p>DUCTWORK LEGEND</p> <p>⊗ ⊗ ⊗ ⊗ SUPPLY AIR UP & DOWN</p> <p>⊗ ⊗ ⊗ ⊗ RETURN AIR UP & DOWN</p> <p>⊗ ⊗ ⊗ ⊗ EXHAUST AIR UP & DOWN</p>	<p>ABV ABOVE</p> <p>AD ACCESS DOOR</p> <p>AF AIR FOIL</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>AFMS AIR FLOW MONITORING STATION</p> <p>AHAP AS HIGH AS POSSIBLE</p> <p>AL ALUMINUM</p> <p>AMPS AMPERES</p> <p>APD AIR PRESSURE DROP</p> <p>ARCH ARCHITECTURAL</p> <p>B-X BOILER DESIGNATOR</p> <p>BDD BACKDRAFT DAMPER</p> <p>BLDG BUILDING</p> <p>BOD BOTTOM OF DUCT</p> <p>BTUH BRITISH THERMAL UNIT/HOUR</p> <p>CAP CAPACITY</p> <p>CFM CUBIC FEET PER MINUTE</p> <p>CIRC CIRCULATING</p> <p>CLG CEILING</p> <p>CONT CONTINUED</p> <p>C.O./CO CLEANOUT</p> <p>CONN CONNECTION</p> <p>CU COPPER</p> <p>CW COLD WATER</p> <p>dB DECIBELS</p> <p>DEG DEGREE</p> <p>DIA DIAMETER</p> <p>DIM DIMENSION</p> <p>DN DOWN</p> <p>DWG DRAWING</p> <p>(E) EXISTING EQUIPMENT DESIGNATOR</p> <p>E/A EXHAUST AIR</p> <p>EAT ENTERING AIR TEMPERATURE</p> <p>EFF EFFICIENCY</p> <p>EF-X EXHAUST FAN DESIGNATOR</p> <p>EGT ENTERING GLYCOL TEMPERATURE</p> <p>ENT ENTERING</p> <p>ESP EXTERNAL STATIC PRESSURE</p> <p>EXIST EXISTING</p> <p>EXH EXHAUST</p> <p>F FAHRENHEIT</p> <p>FCO FLOOR CLEAN OUT</p> <p>FIN FINISHED</p> <p>FLA FULL LOAD AMPS</p> <p>FLR FLOOR</p> <p>FT FEET</p> <p>G NATURAL GAS</p> <p>GAL GALLONS</p> <p>GALV GALVANIZED</p> <p>GPM GALLONS PER MINUTE</p> <p>GT-X GLYCOL TANK DESIGNATOR</p> <p>GTD GLYCOL TEMPERATURE DROP</p> <p>HD HEAD</p> <p>HP HORSEPOWER</p> <p>HW HOT WATER</p> <p>HWC HOT WATER CIRCULATED</p> <p>IBC INTERNATIONAL BUILDING CODE</p> <p>IN INCHES</p> <p>INS INSULATION</p> <p>LAT LEAVING AIR TEMPERATURE</p> <p>LF LINEAL FEET</p> <p>LWT LEAVING WATER TEMPERATURE</p> <p>MAX MAXIMUM</p> <p>MBH THOUSAND BTUH</p> <p>MCA MINIMUM CIRCUIT AMPACITY</p> <p>MFR MANUFACTURER</p> <p>MIN/MIN. MINIMUM</p> <p>MTD MOUNTED</p> <p>NC NOISE CRITERIA</p> <p>NO. NUMBER</p> <p>NTS NOT TO SCALE</p> <p>O/A OUTSIDE AIR</p> <p>O.D. OUTSIDE DIAMETER</p> <p>OC ON CENTER</p> <p>OD OUTSIDE DAMPER</p> <p>OD-X OVERFLOW DRAIN DESIGNATOR</p> <p>OL OVERFLOW RAINLEADER</p> <p>P-X PLUMBING FIXTURE DESIGNATOR</p> <p>PD PRESSURE DROP</p> <p>PG/P.G. PROPYLENE GLYCOL</p> <p>PH PHASE</p> <p>RD-X ROOF DRAIN DESIGNATOR</p> <p>RL RAINLEADER</p> <p>RPM REVOLUTIONS PER MINUTE</p> <p>SP STATIC PRESSURE</p> <p>SQ SQUARE</p> <p>TEMP TEMPERATURE</p> <p>TOD TOP OF DUCT</p> <p>TSP TOTAL STATIC PRESSURE</p> <p>T*STAT THERMOSTAT</p> <p>TTL TOTAL</p> <p>TYP/TYP. TYPICAL</p> <p>UPC UNIFORM PLUMBING CODE</p> <p>V VENT</p> <p>VAC VOLT-AC</p> <p>VEL VELOCITY</p> <p>VDC VOLT-DC</p> <p>VTR VENT THRU ROOF</p> <p>W WASTE</p> <p>W/ WITH</p> <p>W/O WITHOUT</p> <p>W.C. WATER COLUMN</p> <p>WCO WALL CLEAN OUT</p> <p>WHA WATER HAMMER ARRESTOR</p> <p>WPD WATER PRESSURE DROP</p> <p>YCO YARD CLEAN OUT</p>

FINTUBE RADIATION SCHEDULE

SYMBOL	MANUFACTURER	MODEL	# ROWS	ELEMENT		FIN MATERIAL	FPF	GPM	MEDIUM	EWT DEG F	LWT DEG F	EAT DEG F	BTUH/LF	REMARKS
				MODEL	SIZE									
FT-1	RITTLING	BG-20	1	--	4-1/4"x4-1/4"	ALUMINUM	48	PER PLANS	WATER	180	160	65	1,427	20" TALL FLAT TOP ENCLOSURE, LOUVERED TOP OUTLET, CUSTOM CURVED ENCLOSURE TO MATCH WALL.

ROOF HOOD SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	MATERIAL	FINISH	THROAT (IN.)	REMARKS
RH-1	GREENHECK	FGR-22x22	KITCHEN	ALUMINUM	MILL	22"x22"	INTEGRAL 1/2" BIRDSCREEN, PROVIDE WITH GRAVITY BACKDRAFT DAMPER

LOUVER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	MATERIAL	FINISH	SIZE (IN.)	REMARKS
L-1	RUSKIN	ELF-6375-DX	INTAKE	ALUMINUM	PER ARCH	PER PLANS	6" DEEP, DRAINABLE BLADES, FINISH COLOR PER ARCH.
L-2	RUSKIN	ELF-6375-DX	EXHAUST	ALUMINUM	PER ARCH	PER PLANS	6" DEEP, DRAINABLE BLADES, FINISH COLOR PER ARCH.

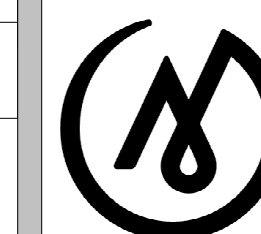
SHEET NO.

M001

NOTIFICATION OF POTENTIAL HAZARD
 ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

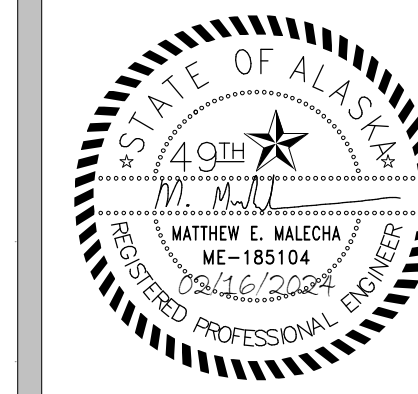
NOTIFICATION OF CHILD OCCUPIED FACILITY
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**SPRING HILL
 ELEMENTARY
 SCHOOL
 ROOF
 REPLACEMENT**

9911 LAKE OTIS PKWY
 ANCHORAGE, AK

100% PERMIT
 DOCUMENTS

JOB NO.: M3177
 DATE: 02/14/2024
 PROJ. MGR.: MEM
 DRAWN BY: JMC
 REVIEWED BY: DRM
 REVISIONS:

**MECHANICAL
 DEMOLITION
 ROOF PLAN**

SHEET NO.

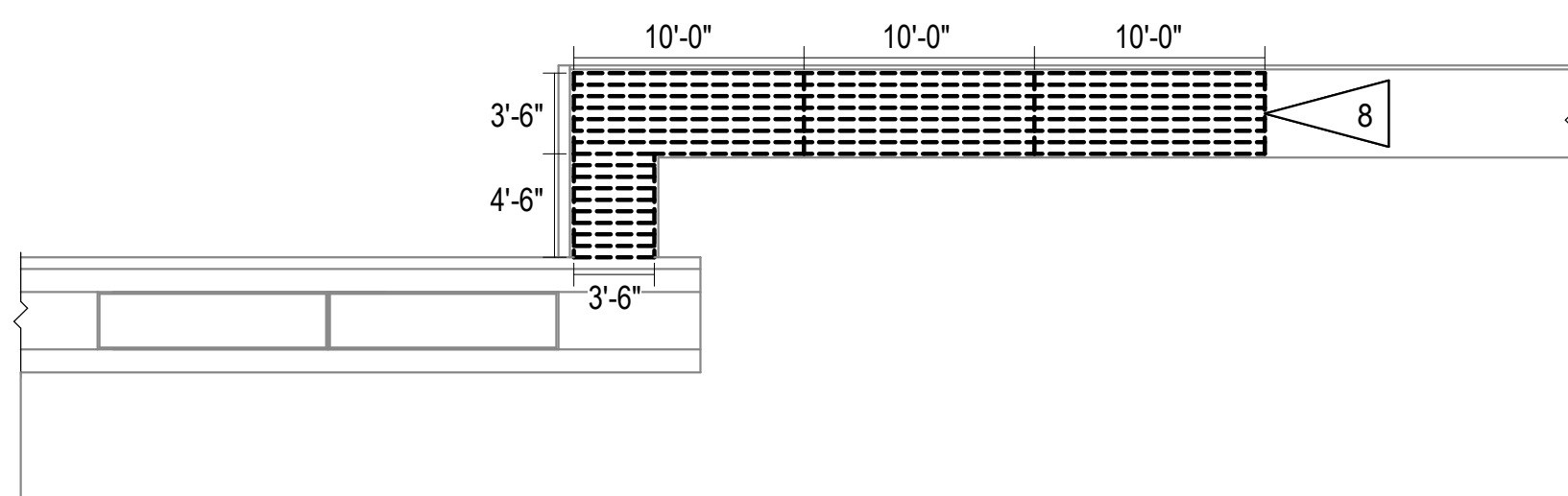
M101

GENERAL NOTES:

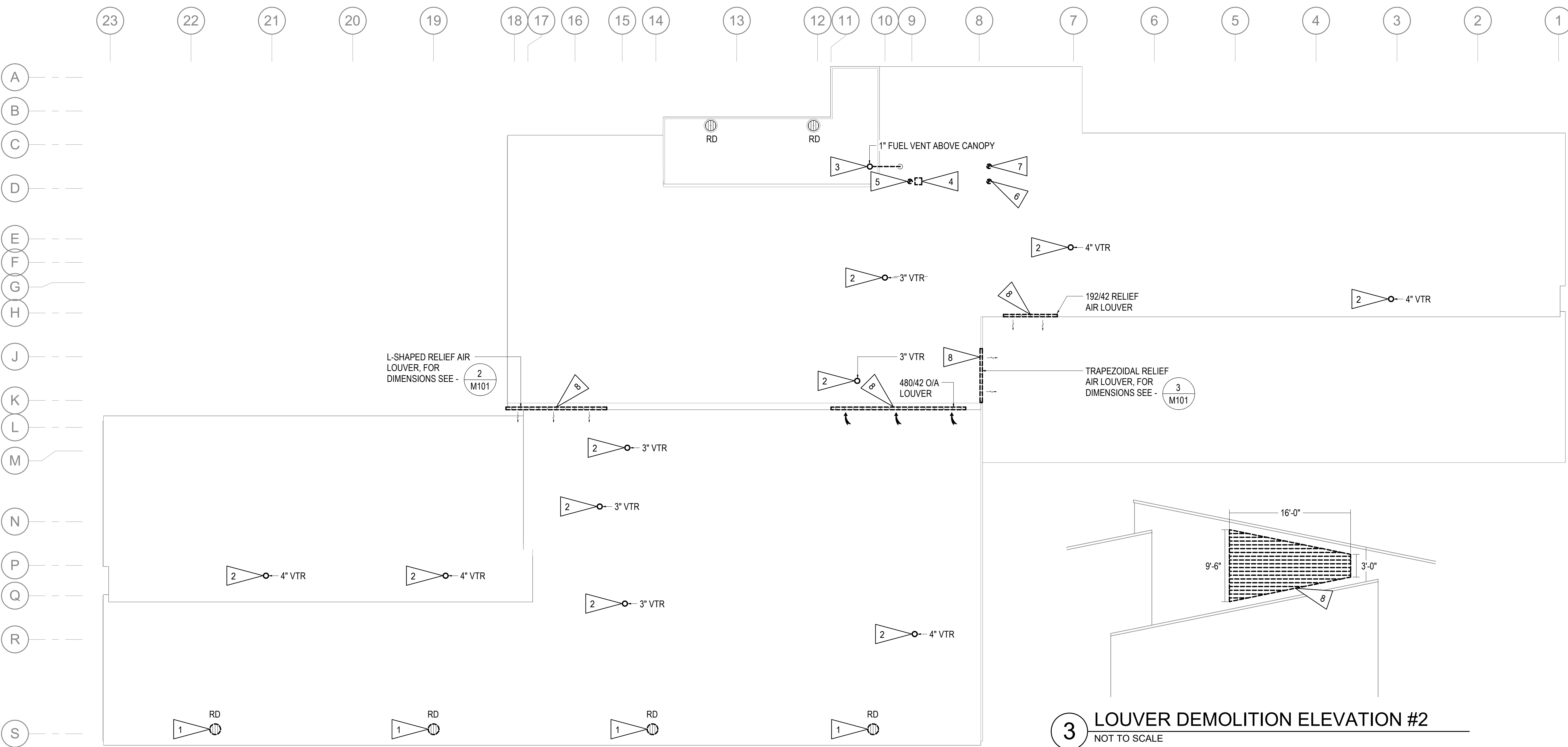
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- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A LOCATION AS DIRECTED BY THE OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- C. DASHED OR DOTTED BOLD LINES INDICATE ITEMS TO BE REMOVED. UNBOLDED LINES INDICATE EXISTING ITEMS TO REMAIN.

SHEET NOTES:

- 1. DEMOLISH ROOF DRAIN AND ASSOCIATED RAINLEADER PIPING.
- 2. DEMOLISH VTR DOWN TO 12" BELOW ROOF DECK. EXISTING VENT PIPING BELOW SHALL REMAIN FOR RECONNECTION DURING REMODEL.
- 3. DEMOLISH FUEL OIL TANK VENT TO EXTENT NECESSARY TO ACCOMMODATE REMODEL WORK. EXISTING FUEL TANK VENT PIPING BELOW FLAT ROOF SHALL REMAIN FOR RECONNECTION DURING REMODEL.
- 4. DEMOLISH 24/24 TYPE II KITCHEN EXHAUST HOOD AND ROOF CURB. EXISTING TYPE II KITCHEN EXHAUST DUCTWORK BELOW SHALL REMAIN FOR RECONNECTION DURING REMODEL.
- 5. DEMOLISH EXISTING GENERATOR EXHAUST PIPE DOWN TO 12" BELOW ROOF DECK. EXISTING GENERATOR EXHAUST PIPING BELOW SHALL REMAIN FOR RECONNECTION DURING REMODEL.
- 6. DEMOLISH BOILER FLUE CURB. DISASSEMBLE BOILER FLUE THROUGH ROOF AND SALVAGE FOR REINSTALLATION.
- 7. DEMOLISH WATER HEATER ROOF CURB AND PVC WATER HEATER FLUE IN ITS ENTIRETY.
- 8. DEMOLISH OUTSIDE AIR AND RELIEF AIR LOUVERS, EXISTING DUCTWORK INSIDE BUILDING TO REMAIN FOR RECONNECTION.

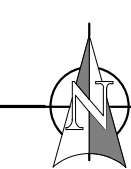


2 LOUVER DEMOLITION ELEVATION #1
 NOT TO SCALE



3 LOUVER DEMOLITION ELEVATION #2
 NOT TO SCALE

1 MECHANICAL DEMOLITION ROOF PLAN
 1/16" = 1'-0"

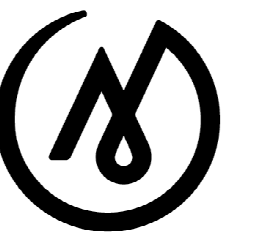


NOTIFICATION OF POTENTIAL HAZARD
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 DOCUMENTS

JOB NO. **M3177**
 DATE: **02/14/2024**
 PROJ. MGR.: **MEM**
 DRAWN BY: **JMC**
 REVIEWED BY: **DRM**
 REVISIONS:

**MECHANICAL
 DEMOLITION
 ROOF PLAN -
 AREA A**

SHEET NO.

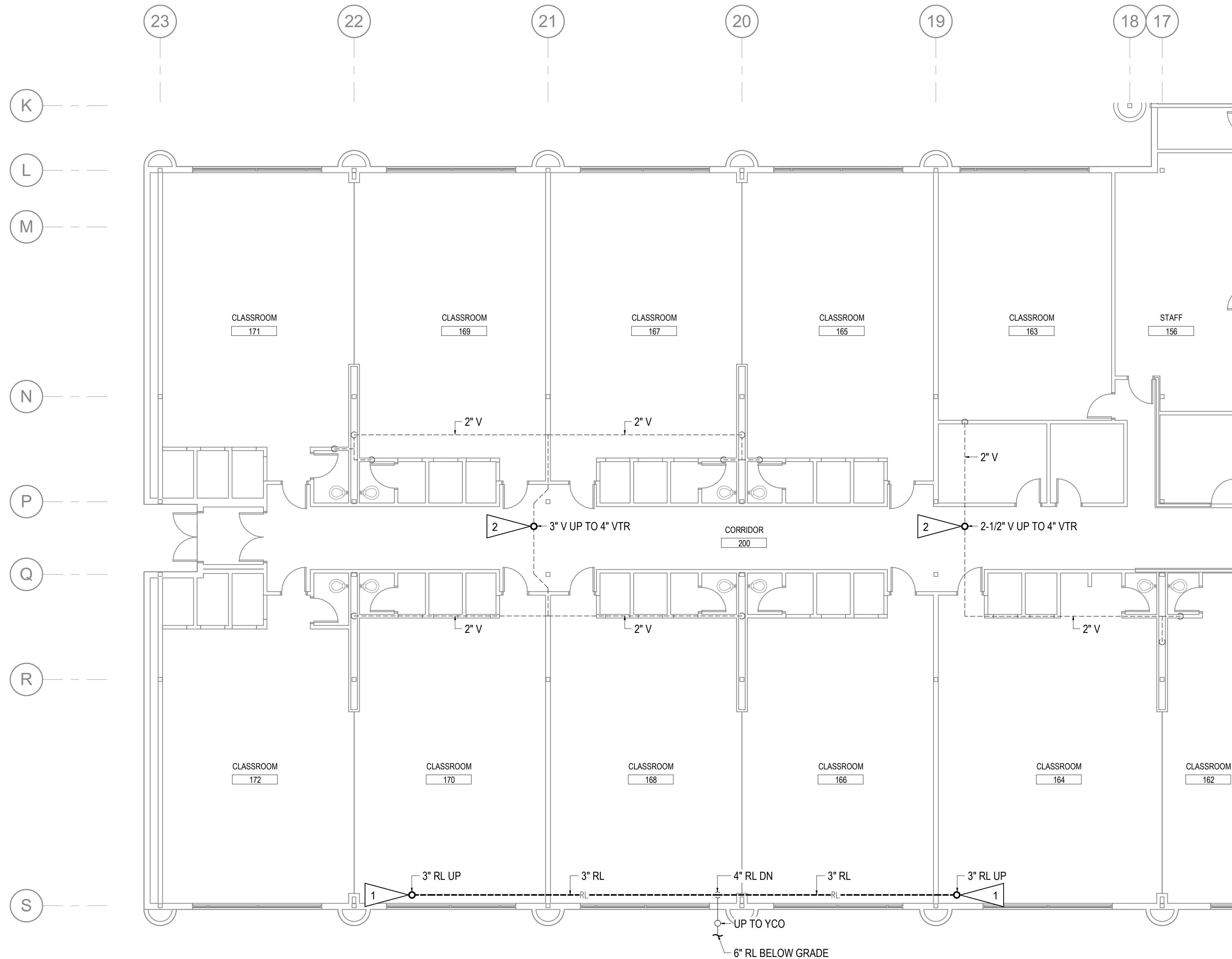
M102

GENERAL NOTES:

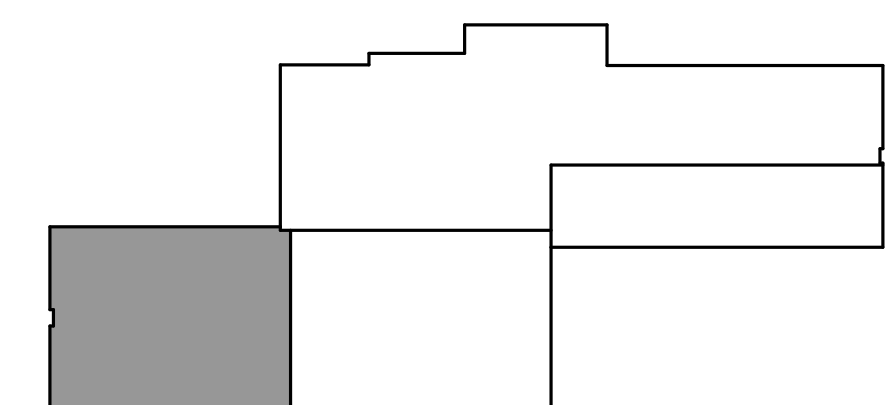
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- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A LOCATION AS DIRECTED BY THE OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
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SHEET NOTES:

- 1. DEMOLISH ROOF DRAIN AND RAINLEADER PIPING ABOVE CEILING. CAP ABANDONED RAINLEADER PIPING IN CEILING. EXISTING RAINLEADER PIPING THROUGH WALL AND BELOW GRADE SHALL BE ABANDONED IN PLACE.
- 2. DEMOLISH VTR DOWN TO 12" BELOW ROOF DECK. EXISTING VENT PIPING SHALL REMAIN FOR RECONNECTION DURING REMODEL.



1 MECHANICAL DEMOLITION PLAN - AREA A
 1/8" = 1'-0"



KEYPLAN - AREA A
 NOT TO SCALE



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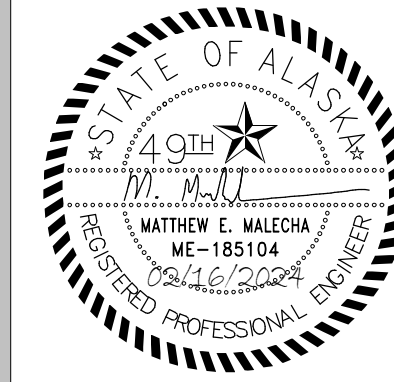
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9911 LAKE OTIS PKWY
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 DOCUMENTS

JOB NO. M3177
 DATE: 02/14/2024
 PROJ. MGR.: MEM
 DRAWN BY: JMC
 REVIEWED BY: DRM
 REVISIONS:

MECHANICAL
 DEMOLITION
 ROOF PLAN -
 AREA B

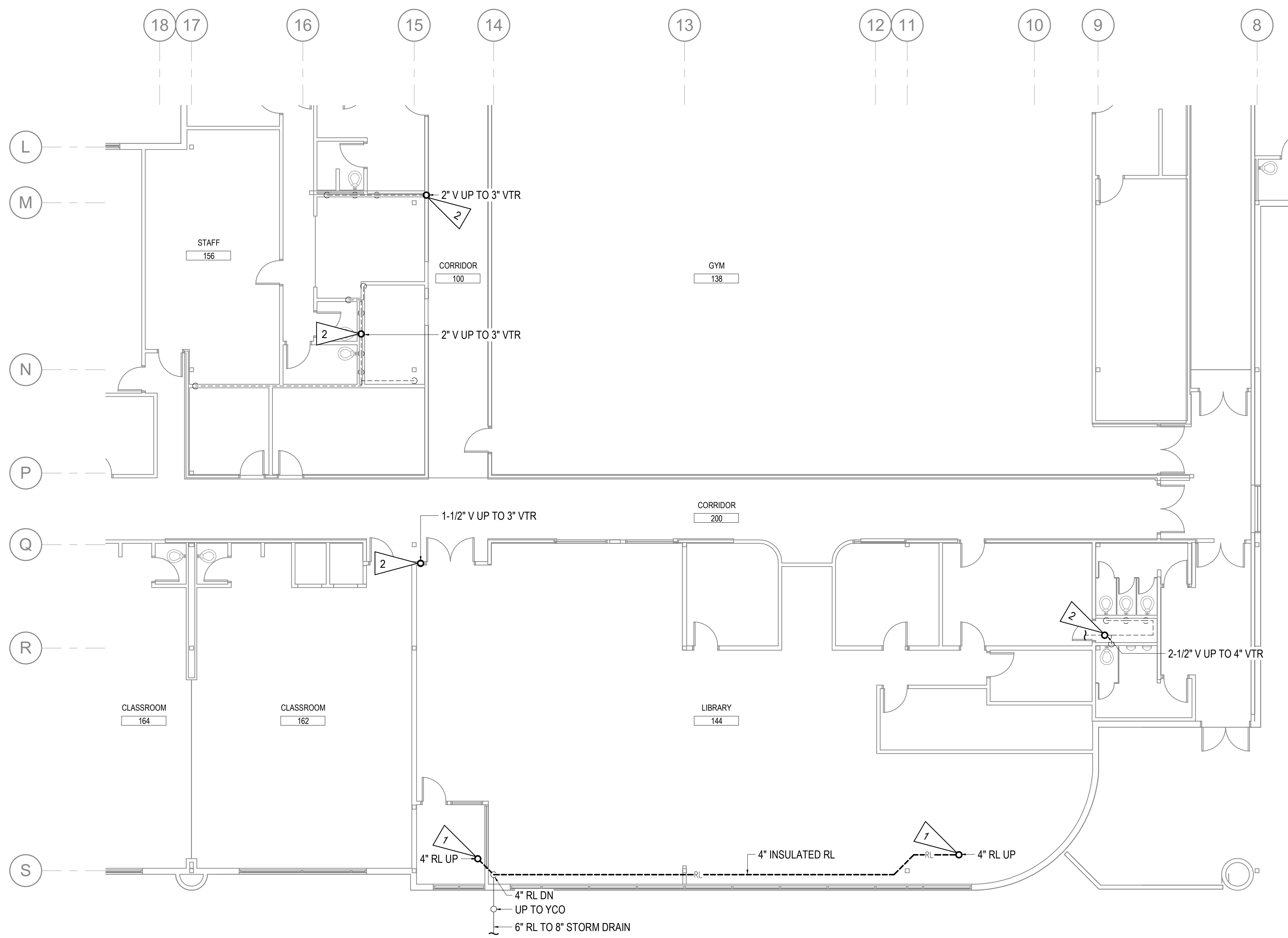
SHEET NO.
M103

GENERAL NOTES:

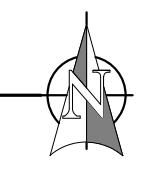
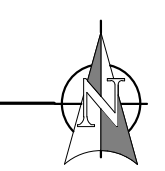
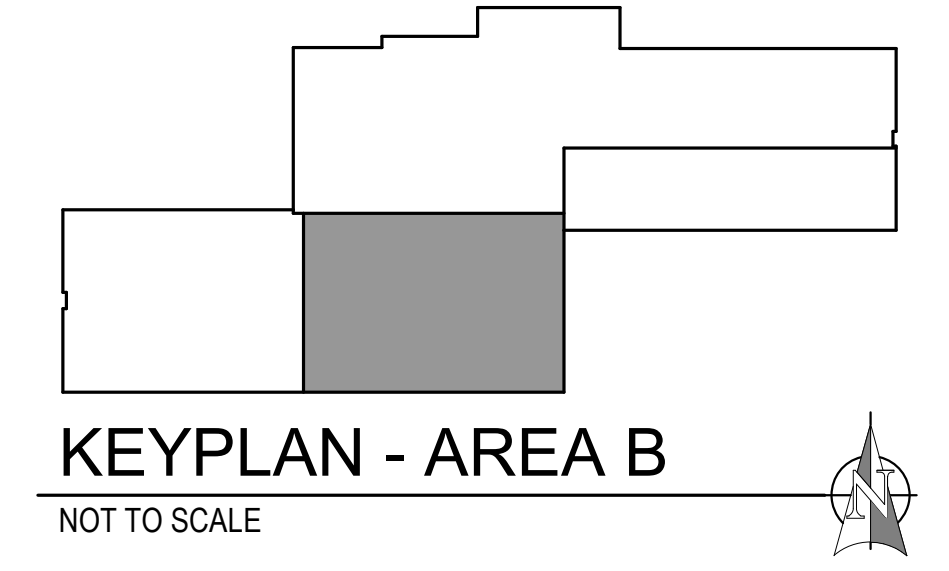
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- 2. DEMOLISH VTR DOWN TO 12" BELOW ROOF DECK. EXISTING VENT PIPING SHALL REMAIN FOR RECONNECTION DURING REMODEL.



1 MECHANICAL DEMOLITION PLAN - AREA B
 1/8" = 1'-0"



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FOR:
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 PRICING



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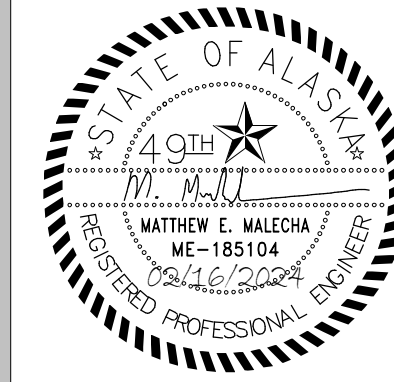
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SHEET NOTES:

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- 2. DEMOLISH VTR DOWN TO 12" BELOW ROOF DECK. EXISTING VENT PIPING BELOW SHALL REMAIN FOR RECONNECTION DURING REMODEL PHASE.
- 3. DEMOLISH WATER HEATER FLUE IN ITS ENTIRETY.
- 4. DEMOLISH FIN TUBE ENCLOSURE, PIPING, AND VALVES AS INDICATED. EXISTING HEATING MAINS ABOVE CEILING TO REMAIN FOR RECONNECTION.



**ANCHORAGE
SCHOOL DISTRICT**

**SPRING HILL
ELEMENTARY
SCHOOL
ROOF
REPLACEMENT**

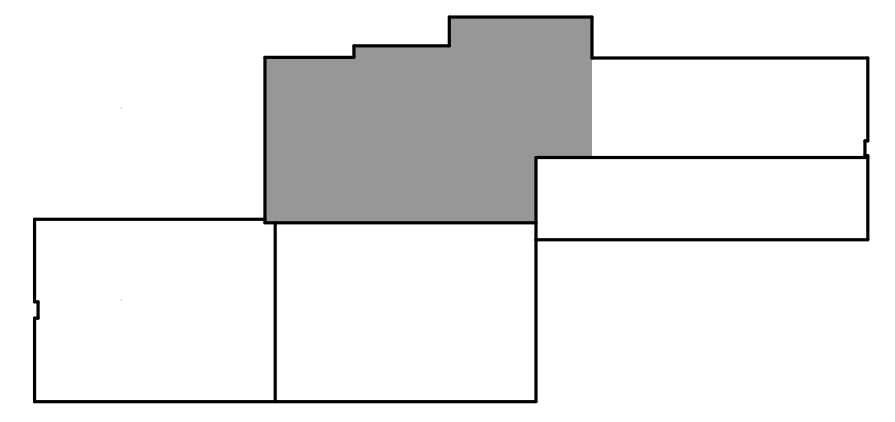
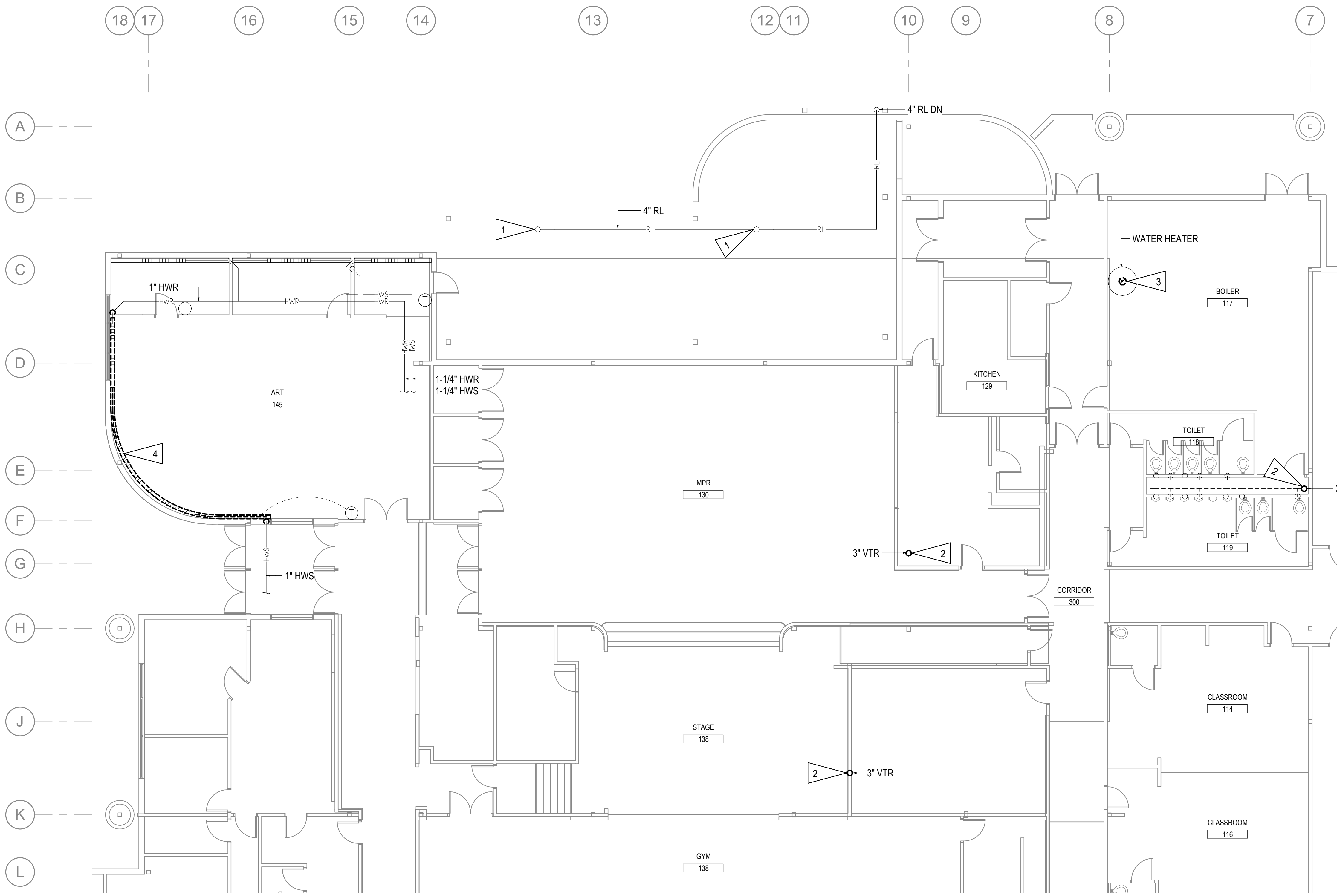
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 DATE: **02/14/2024**
 PROJ. MGR.: **MEM**
 DRAWN BY: **JMC**
 REVIEWED BY: **DRM**
 REVISIONS:

**MECHANICAL
DEMOLITION
ROOF PLAN -
AREA C**

SHEET NO.
M104



1 MECHANICAL DEMOLITION PLAN - AREA C
 1/8" = 1'-0"

KEYPLAN - AREA C
 NOT TO SCALE

NOTIFICATION OF POTENTIAL HAZARD
 ASBESTOS, LEAD AND OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION DIVISIONS 0, 1 AND 2 FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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 • SUBMITTAL
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**MCG
EXPLORE
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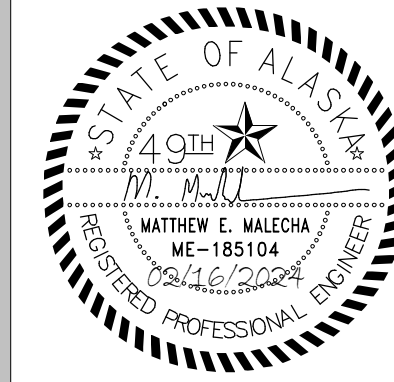
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GENERAL NOTES:

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM A NON-DESTRUCTIVE WALK-THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HEREIN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SHOWN FOR DEMOLITION PRIOR TO START OF WORK.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A LOCATION AS DIRECTED BY THE OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- C. DASHED OR DOTTED BOLD LINES INDICATE ITEMS TO BE REMOVED. UNBOLD LINES INDICATE EXISTING ITEMS TO REMAIN.

SHEET NOTES:

- 1. DEMOLISH VTR DOWN TO 12" BELOW ROOF DECK. EXISTING VENT PIPING BELOW SHALL REMAIN FOR RECONNECTION DURING REMODEL PHASE.



**ANCHORAGE
SCHOOL DISTRICT**

**SPRING HILL
ELEMENTARY
SCHOOL
ROOF
REPLACEMENT**

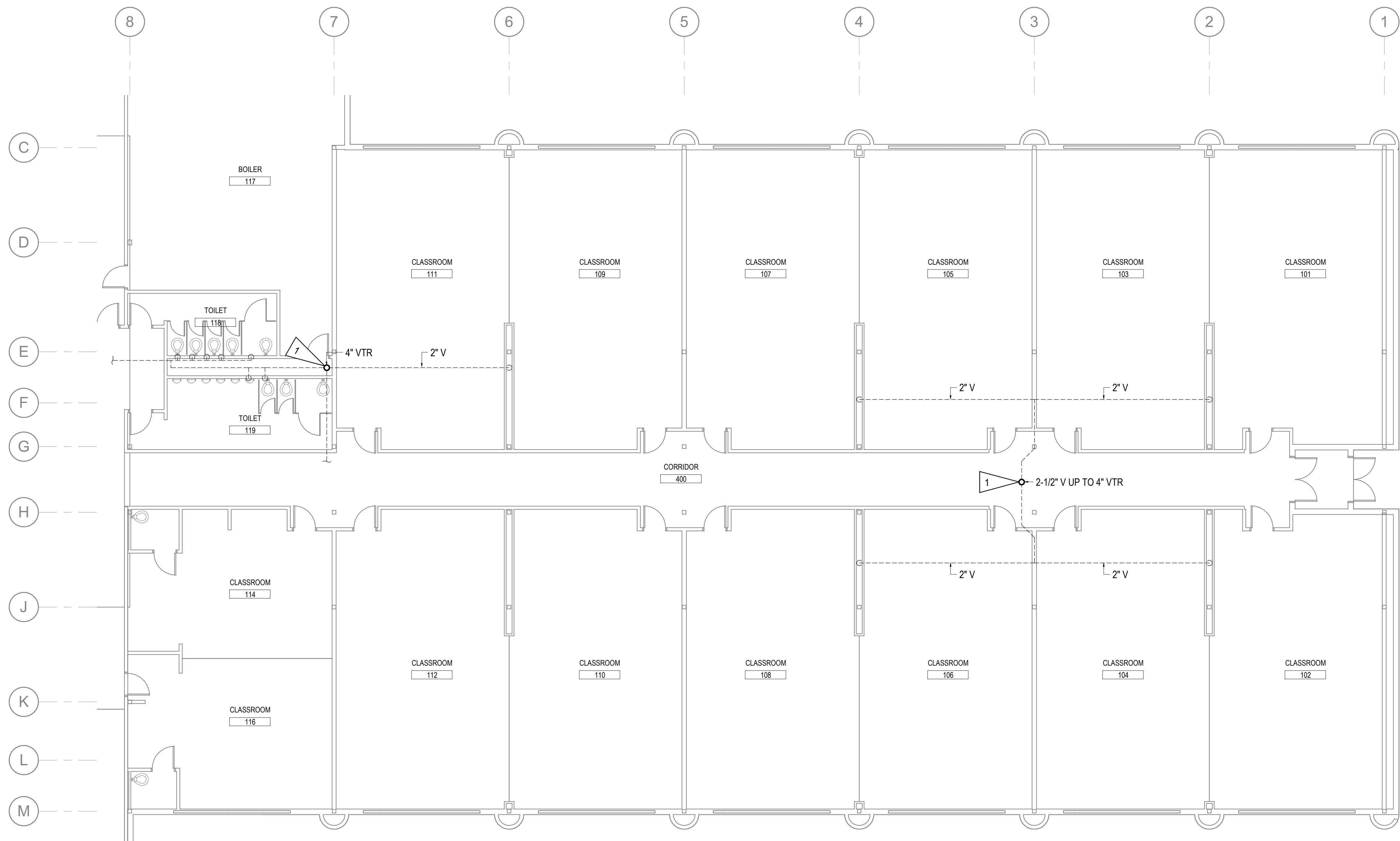
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 ANCHORAGE, AK

**100% PERMIT
DOCUMENTS**

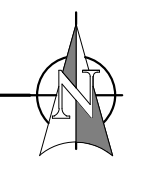
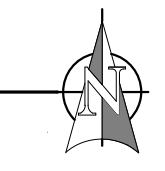
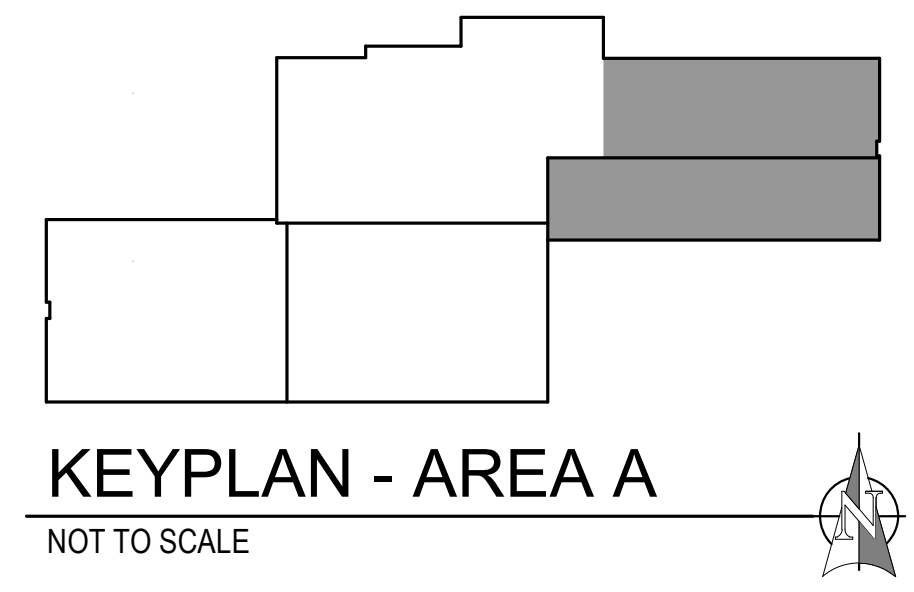
JOB NO. **M3177**
 DATE: **02/14/2024**
 PROJ. MGR.: **MEM**
 DRAWN BY: **JMC**
 REVIEWED BY: **DRM**
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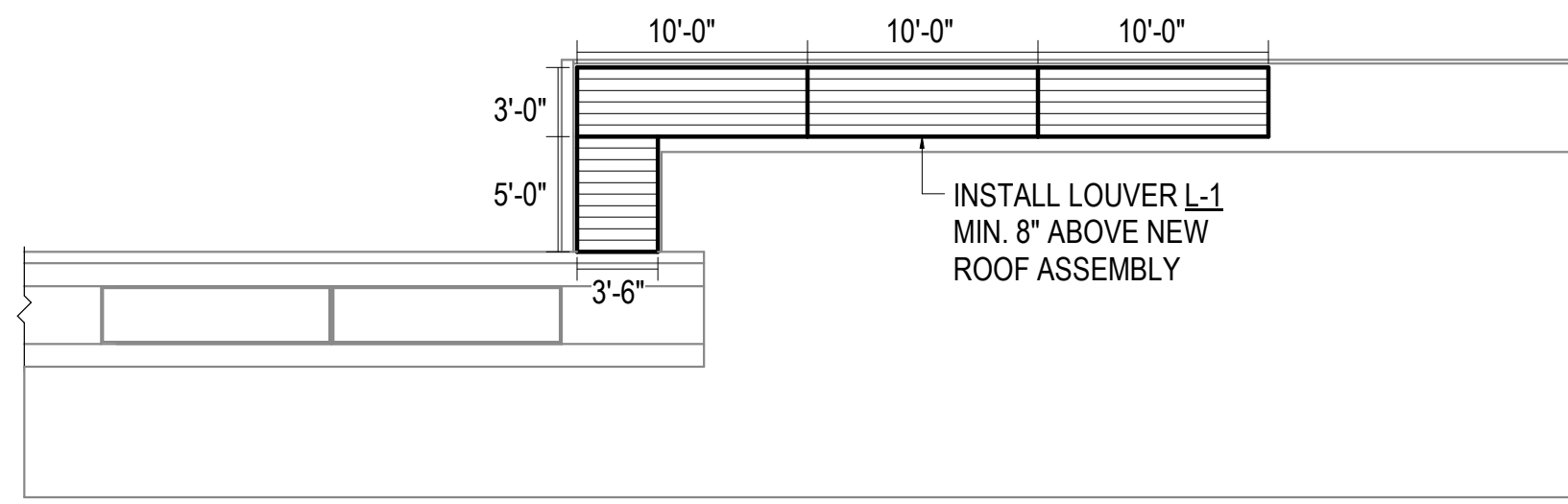
**MECHANICAL
DEMOLITION
ROOF PLAN -
AREA D**

SHEET NO.
M105



1 MECHANICAL DEMOLITION PLAN - AREA D
 1/8" = 1'-0"





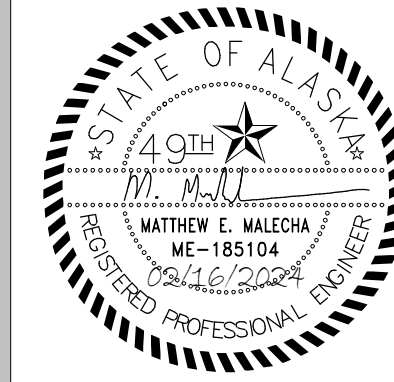
2 LOUVER REMODEL ELEVATION #1
NOT TO SCALE

NOTIFICATION OF POTENTIAL HAZARD
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ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

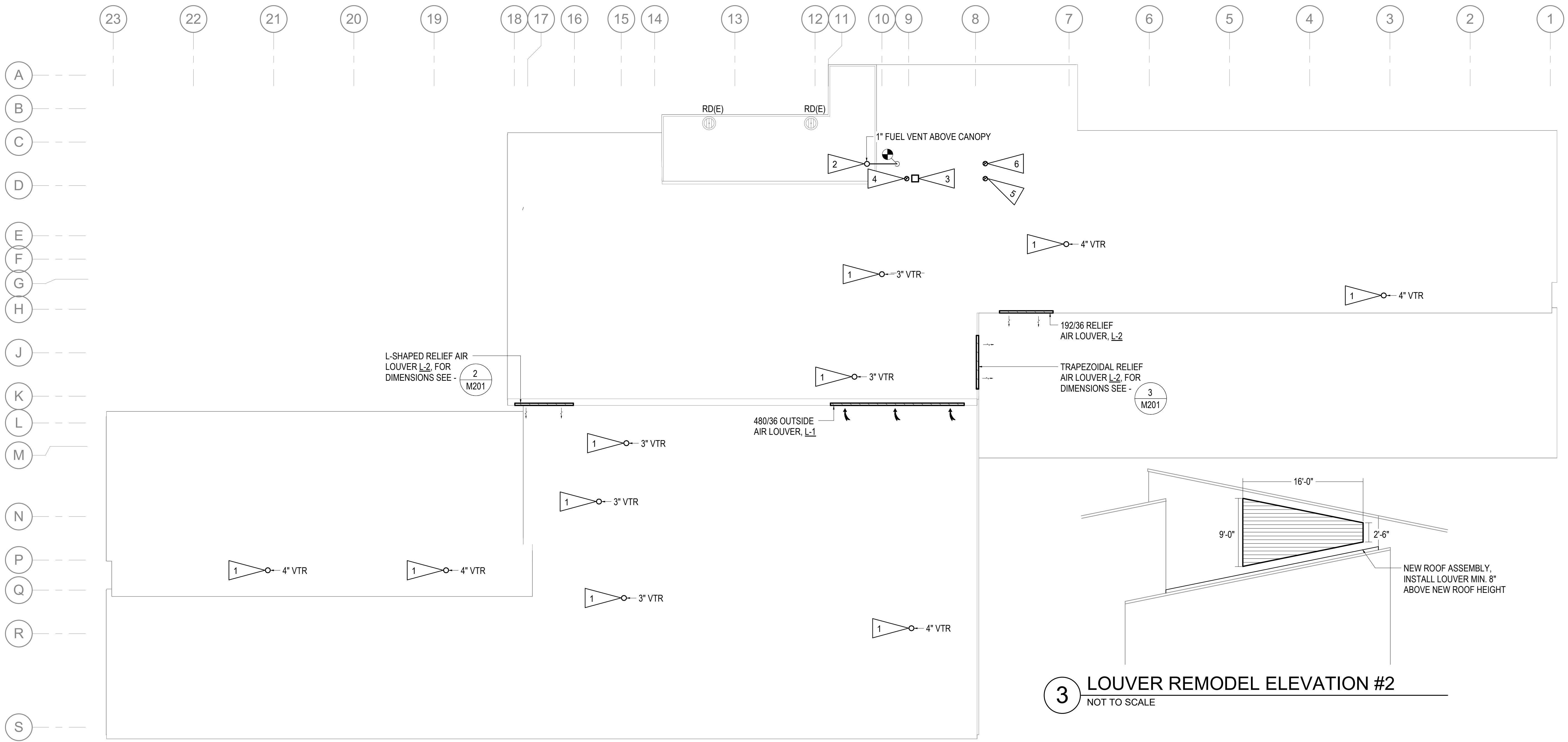
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JOB NO.: M3177
DATE: 02/14/2024
PROJ. MGR.: MEM
DRAWN BY: JMC
REVIEWED BY: DRM
REVISIONS:

SHEET NOTES:

1. EXTEND PLUMBING VENT THROUGH ROOF MINIMUM 12" ABOVE NEW ROOF MEMBRANE. FOR TYPICAL DETAIL, SEE - **1** M301
2. PROVIDE NEW FUEL TANK VENT AND REVISE EXISTING FUEL VENT AS REQUIRED FOR RECONNECTION.
3. INSTALL 24/24 KITCHEN EXHAUST HOOD RH-1 ON NEW ROOF CURB AND RE-CONNECT TO EXISTING TYPE II KITCHEN EXHAUST DUCTWORK BELOW. FOR TYPICAL DETAIL, SEE - **2** M301
4. CONNECT NEW GENERATOR EXHAUST PIPING TO EXISTING EXHAUST PIPING BELOW. PROVIDE NEW ROOF CURB.
5. REINSTALL SALVAGED BOILER FLUE THROUGH NEW ROOF CURB.
6. PROVIDE NEW 3"Ø WATER HEATER FLUE FROM WATER HEATER UP THROUGH NEW ROOF CURB. FOR DETAIL SEE - **3** M301

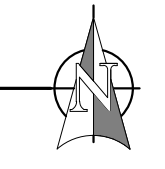


3 LOUVER REMODEL ELEVATION #2
NOT TO SCALE

1 MECHANICAL REMODEL ROOF PLAN
1/16" = 1'-0"

MECHANICAL REMODEL ROOF PLAN

SHEET NO. **M201**



NOTIFICATION OF POTENTIAL HAZARD
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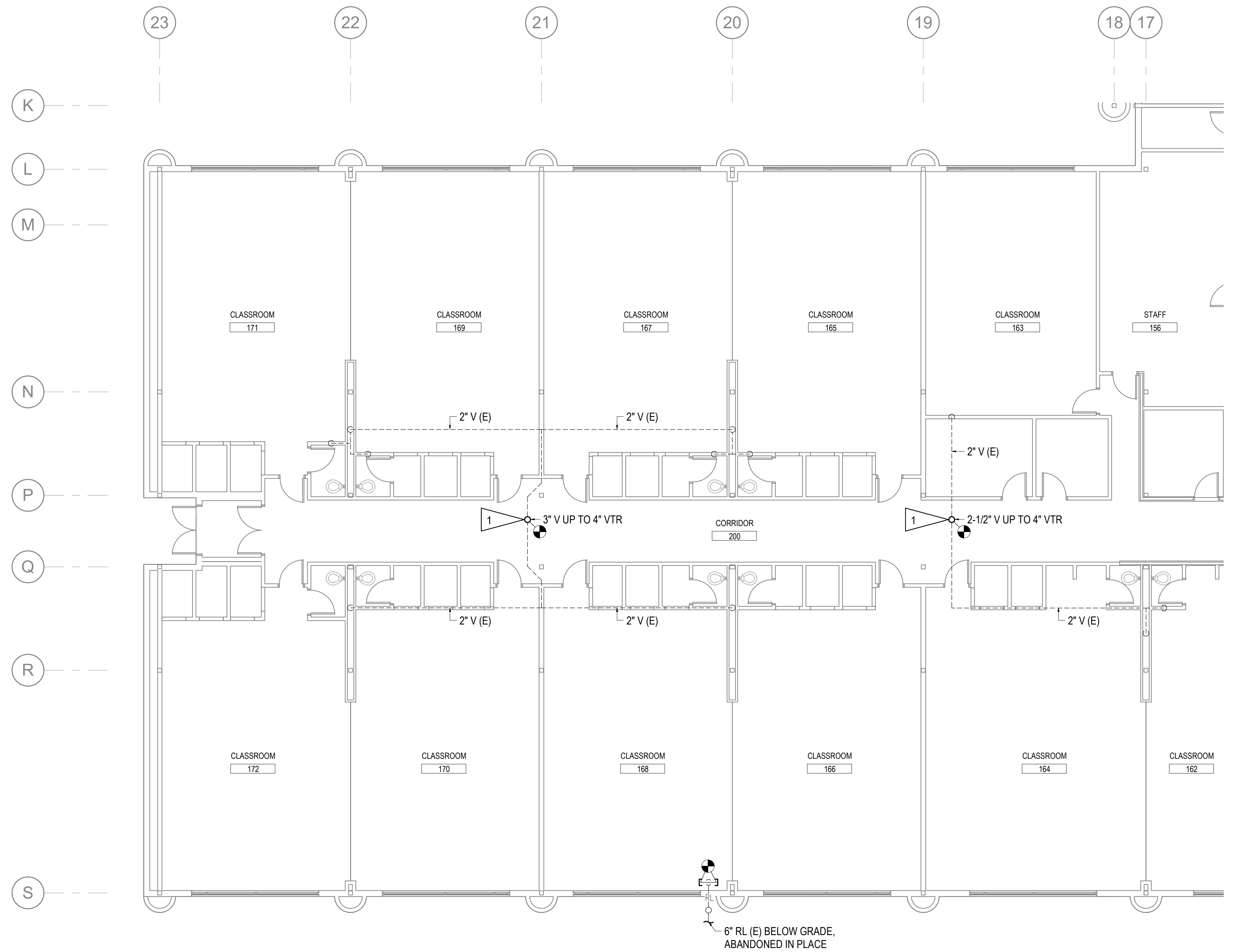
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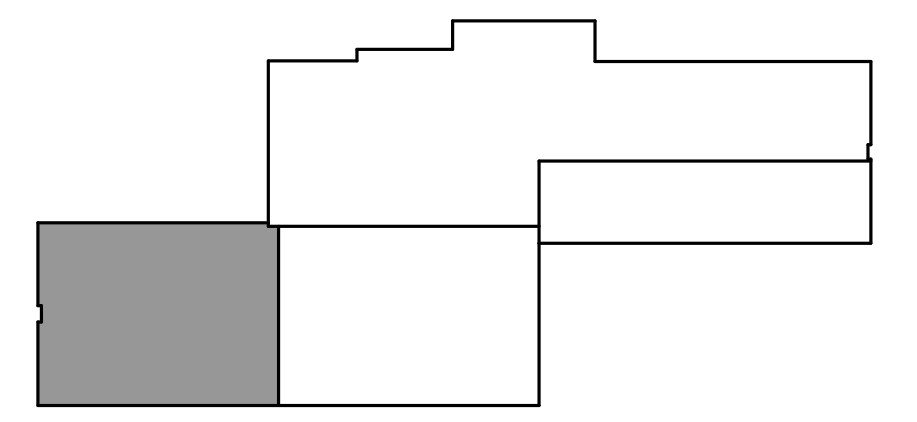


SHEET NOTES:

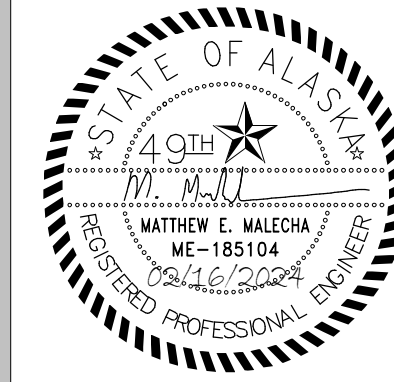
- CONNECT EXISTING VENT PIPING TO NEW VENT THROUGH ROOF. FOR VTR DETAIL, SEE -



1 MECHANICAL REMODEL PLAN - AREA A
 1/8" = 1'-0"



KEYPLAN - AREA A
 NOT TO SCALE



ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

9911 LAKE OTIS PKWY ANCHORAGE, AK

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 REVIEWED BY: DRM
 REVISIONS:

MECHANICAL REMODEL ROOF PLAN - AREA A

SHEET NO. **M202**

NOTIFICATION OF POTENTIAL HAZARD
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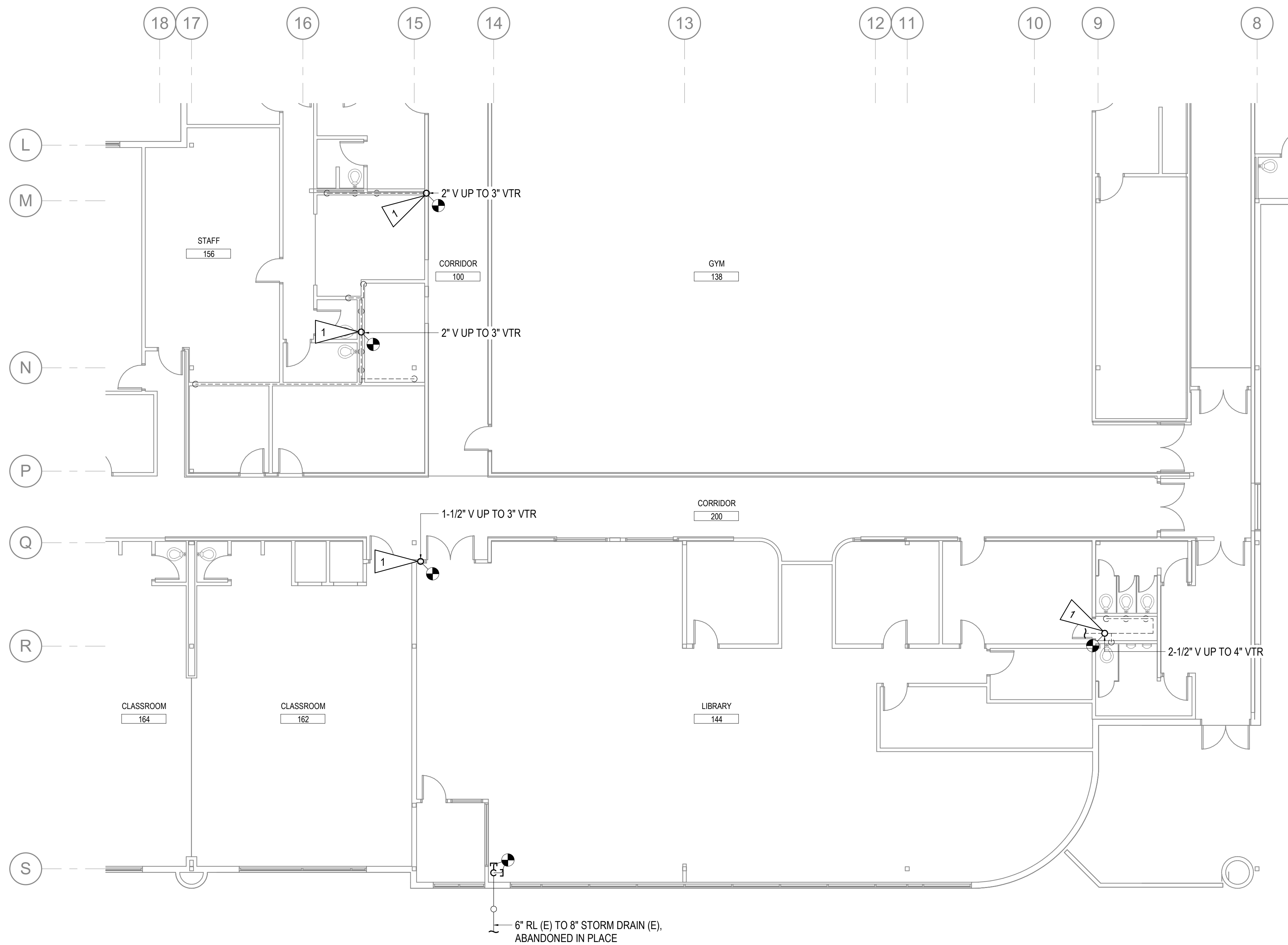
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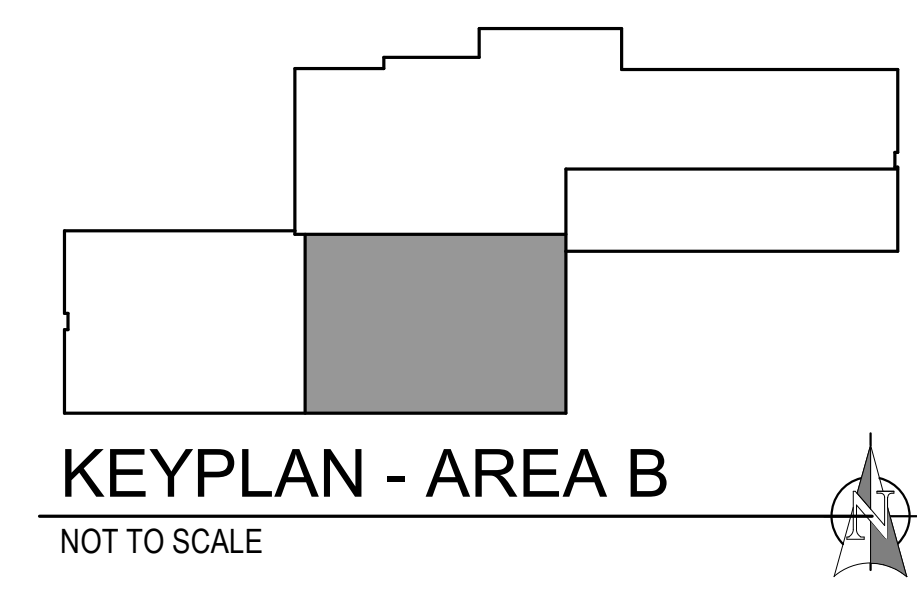
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SHEET NOTES:

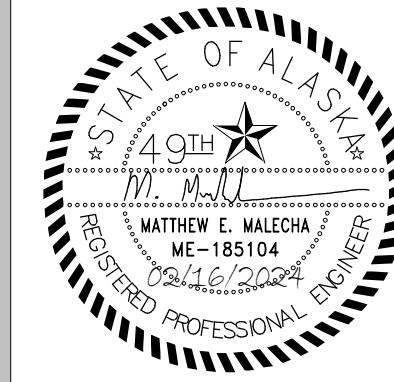
- CONNECT EXISTING VENT PIPING TO NEW VENT THROUGH ROOF. FOR VTR DETAIL, SEE - 1
M301



1 MECHANICAL REMODEL PLAN - AREA B
 1/8" = 1'-0"



KEYPLAN - AREA B
 NOT TO SCALE



ANCHORAGE
 SCHOOL DISTRICT

**SPRING HILL
 ELEMENTARY
 SCHOOL
 ROOF
 REPLACEMENT**

9911 LAKE OTIS PKWY
 ANCHORAGE, AK

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DRAWN BY:	JMC
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REVISIONS:	

MECHANICAL
 REMODEL
 ROOF PLAN -
 AREA B

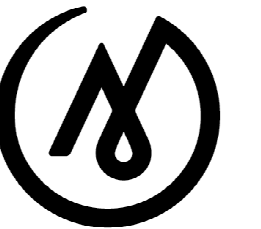
SHEET NO.
M203

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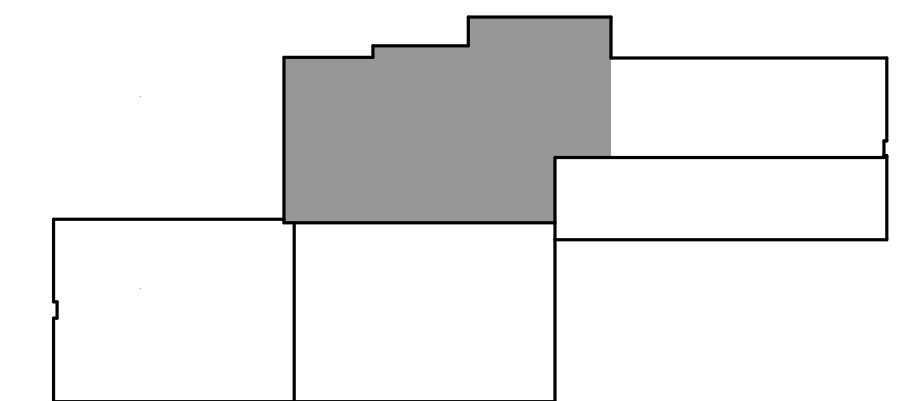
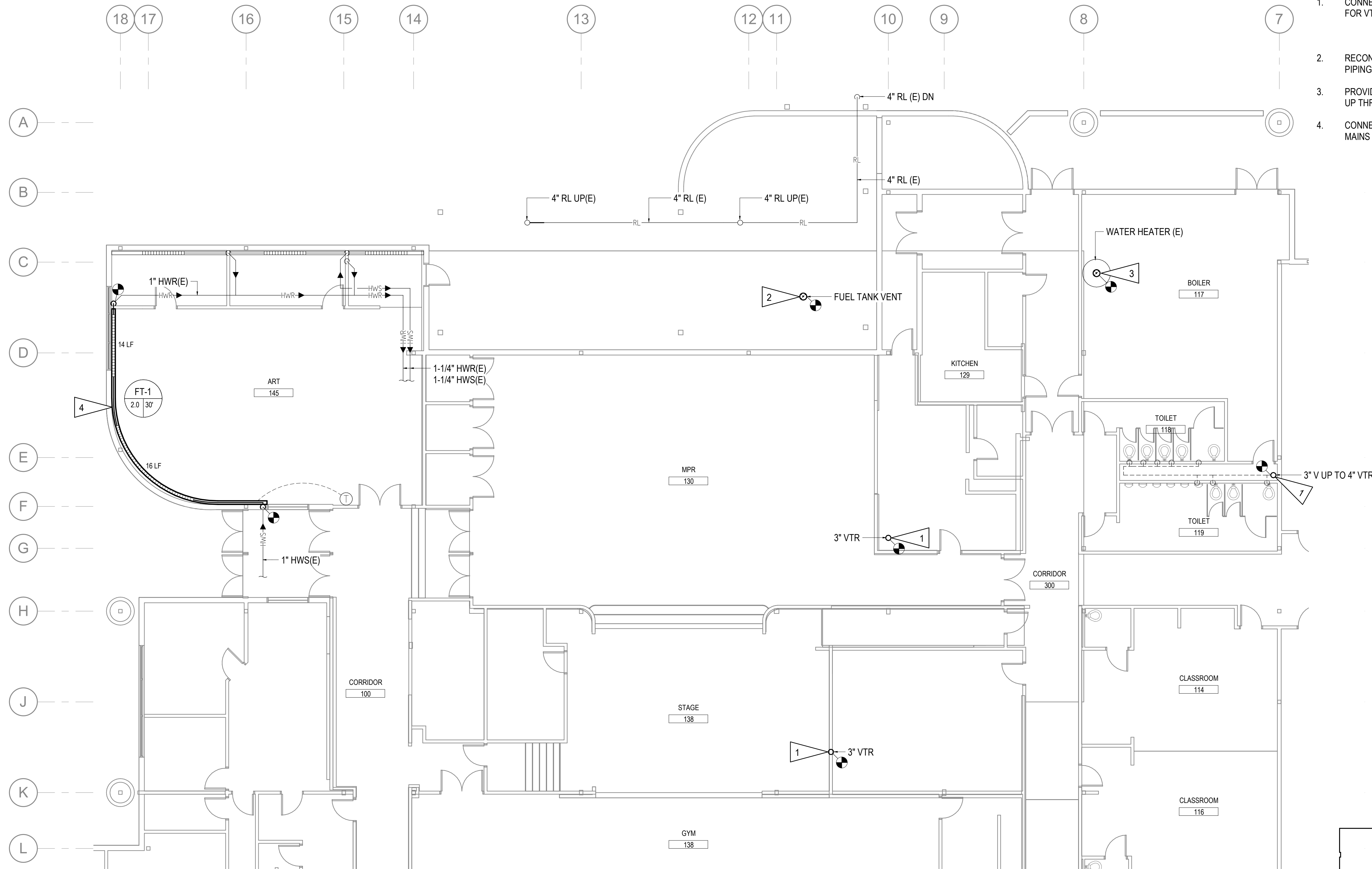
**MECHANICAL
 REMODEL
 ROOF PLAN -
 AREA C**

SHEET NO.

M204

SHEET NOTES:

- CONNECT EXISTING VENT PIPING TO NEW VENT THROUGH ROOF. FOR VTR DETAIL, SEE - **1** M301
- RECONNECT EXISTING FUEL VENT PIPING TO NEW FUEL VENT PIPING ON ROOF.
- PROVIDE 3" WATER HEATER FLUE FROM EXISTING WATER HEATER UP THROUGH ROOF TO NEW EQUIPMENT CURB. FOR DETAIL SEE - **3** M301
- CONNECT NEW FINTUBE ELEMENT PIPING TO EXISTING HEATING MAINS IN CEILING. FOR FINTUBEPIPING DETAIL SEE - **4** M301



KEYPLAN - AREA C
 NOT TO SCALE

1 MECHANICAL REMODEL PLAN - AREA C
 1/8" = 1'-0"

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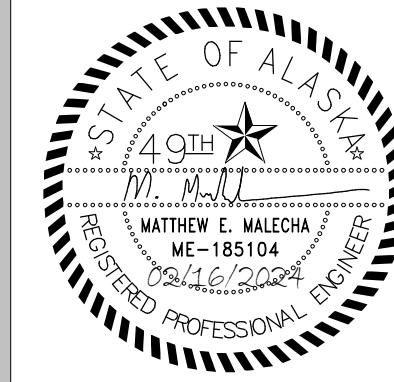
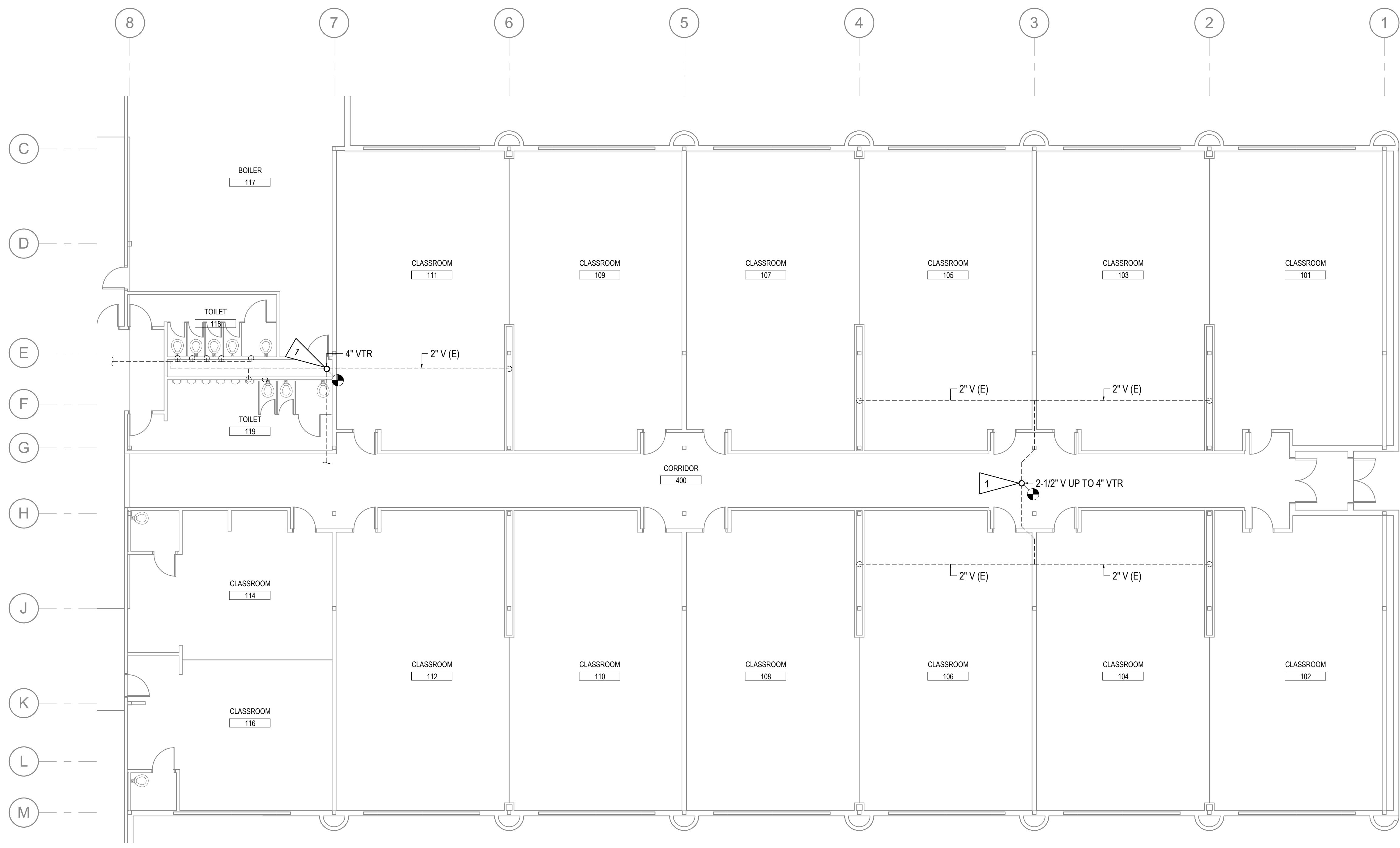
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SHEET NOTES:

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M301



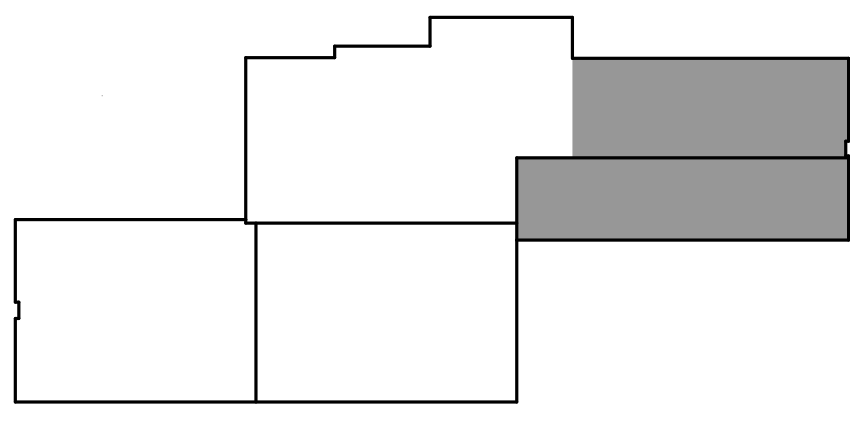
ANCHORAGE
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SPRING HILL
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REVIEWED BY:	DRM
REVISIONS:	

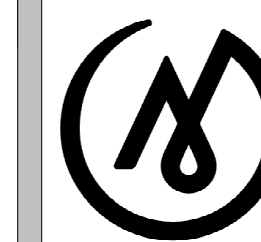


KEYPLAN - AREA A
 NOT TO SCALE

1 MECHANICAL REMODEL PLAN - AREA D
 1/8" = 1'-0"

MECHANICAL
 REMODEL
 ROOF PLAN -
 AREA D

SHEET NO.
M205



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RSA

Mechanical and
 Electrical Consulting
 Engineers

670 West Fireweed Lane, Suite 200
 Anchorage, AK 99503
 (907) 276-6521
 Corporate No.: AECC542

ANCHORAGE
 SCHOOL DISTRICT

**SPRING HILL
 ELEMENTARY
 SCHOOL
 ROOF
 REPLACEMENT**

9911 LAKE OTIS PKWY
 ANCHORAGE, AK

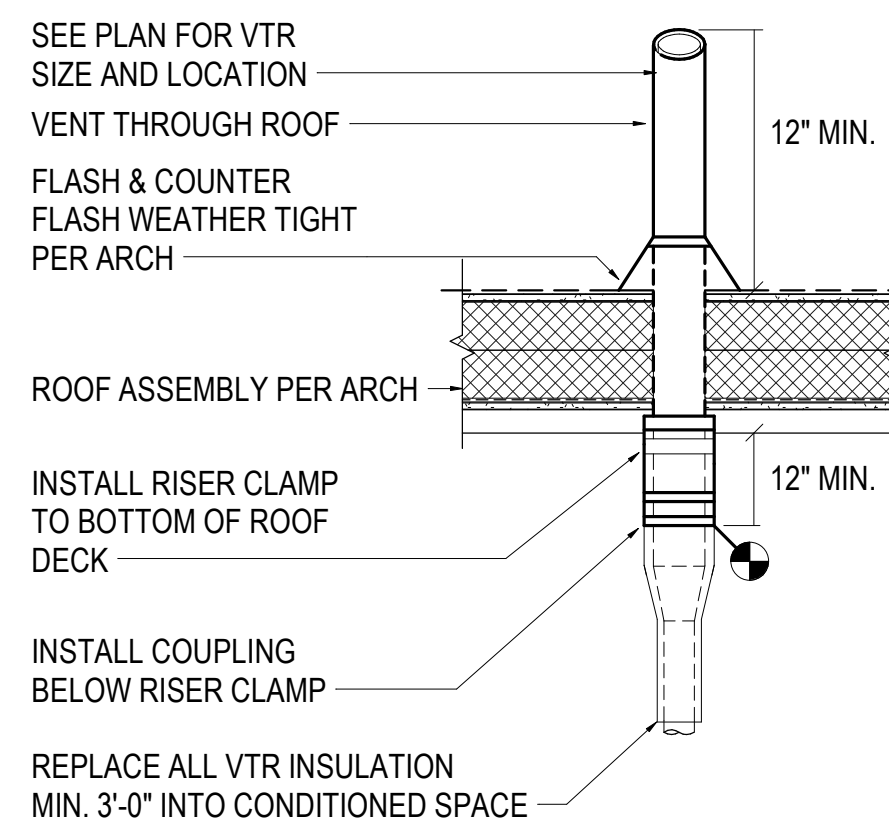
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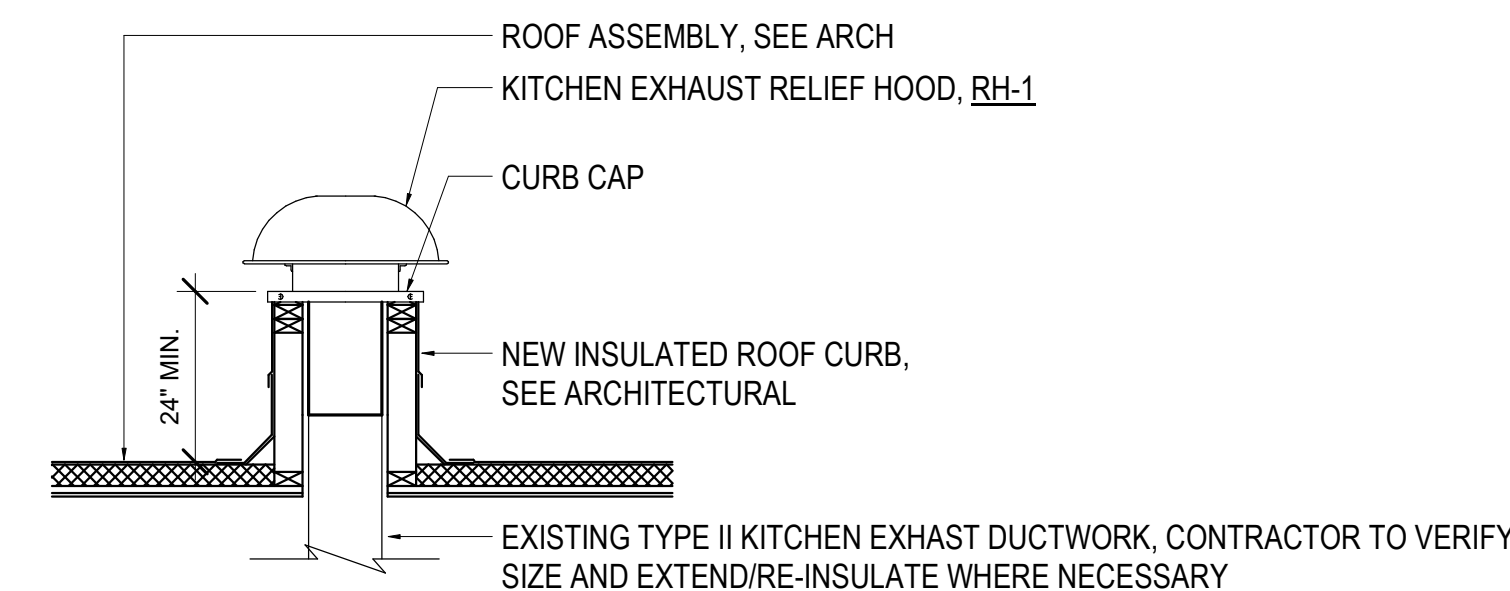
**MECHANICAL
 DETAILS**

SHEET NO.

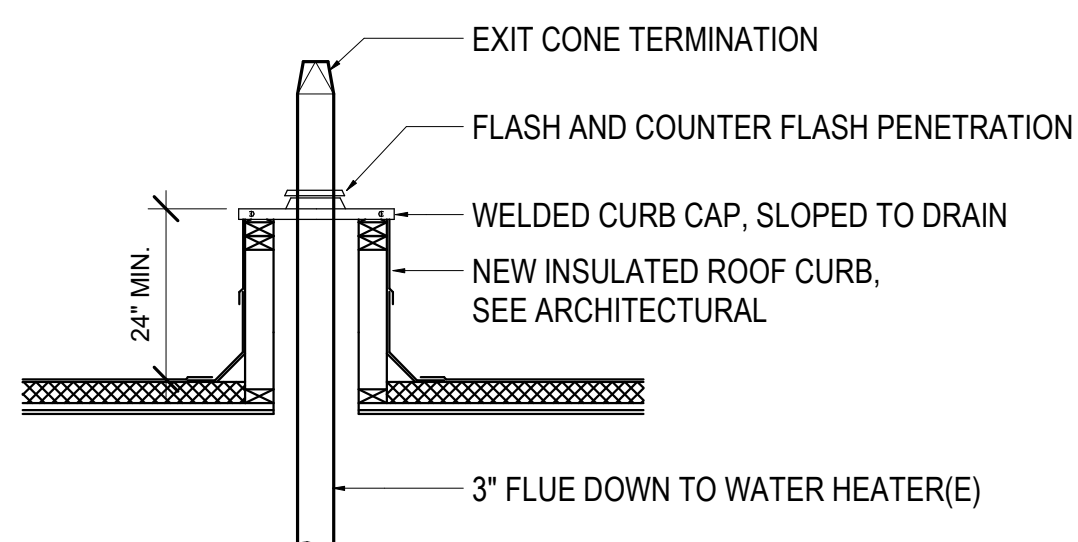
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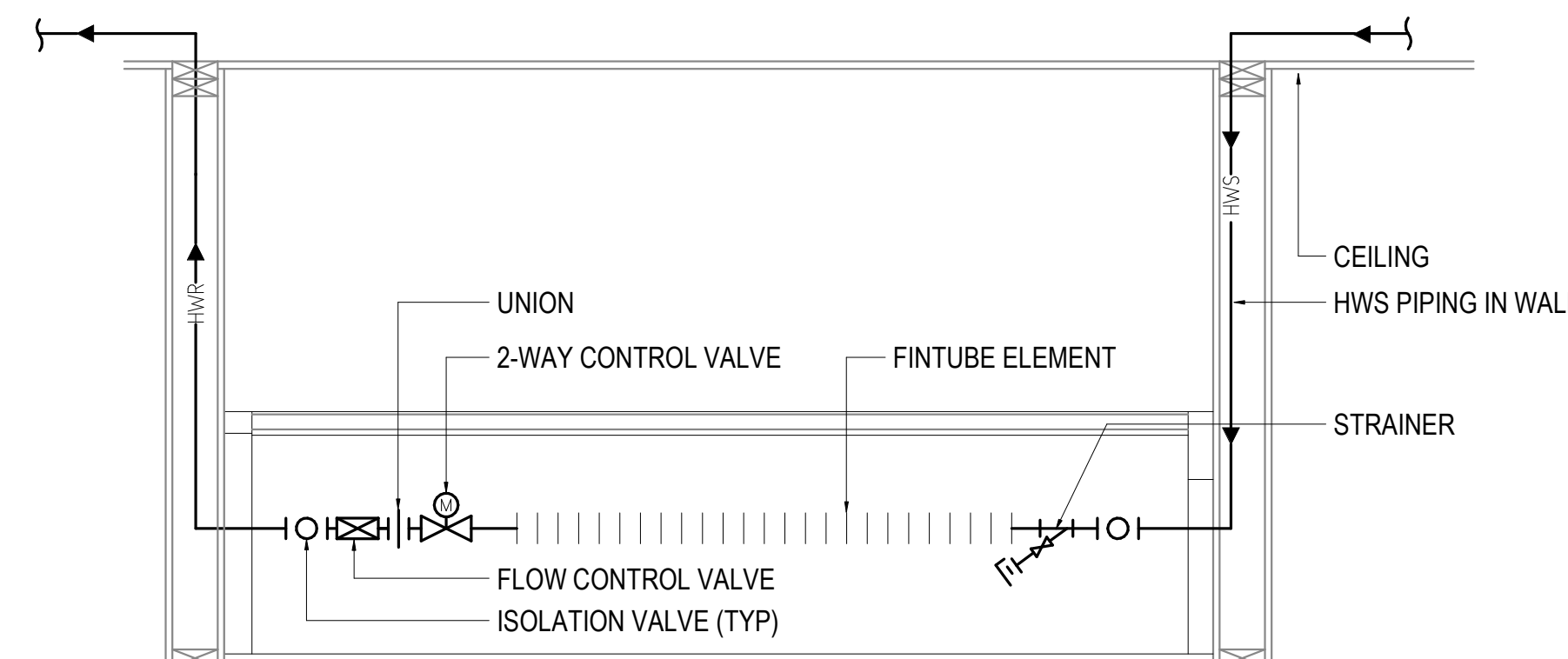
1 VENT THRU ROOF DETAIL
 NOT TO SCALE



2 TYPE II KITCHEN HOOD ROOF CURB DETAIL
 NOT TO SCALE



3 WATER HEATER FLUE DETAIL
 NOT TO SCALE



4 FINTUBE PIPING DETAIL
 NOT TO SCALE

ELECTRICAL LEGEND			
	CONDUIT, CONCEALED	AFF	ABOVE FINISHED FLOOR
	NUMBER AND SIZE OF WIRES (NO MARKS = 3 #12)	AFG	ABOVE FINISHED GRADE
	HOMERUN TO PANEL (PANEL AND CIRCUIT No.)	C	CONDUIT
	OVERHEAD ELECTRICAL LINE (12470/7200V UON)	CO	CONDUIT ONLY
	SURFACE RACEWAY	E	DENOTES EXISITNG ITEM
	LINEAR LIGHT FIXTURE - PENDANT MTD	GRSC	GALVANIZED RIGID STEEL CONDUIT
	DUPLEX RECEPTACLE	MCB	MAIN CIRCUIT BREAKER
	JUNCTION BOX	MLO	MAIN LUGS ONLY
	FIXED VIDEO CAMERA, CEILING-MOUNTED	NEC	NATIONAL ELECTRICAL CODE
	FIXED VIDEO CAMERA, WALL-MOUNTED	NTS	NOT TO SCALE
	SPEAKER	R	DENOTES EXISTING ITEM THAT HAS BEEN RELOCATED
	DUPLEX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)	TYP	TYPICAL
	NOTE TAG (No. INDICATES NOTE)	UON	UNLESS OTHERWISE NOTED

ELECTRICAL LOAD STATEMENT

NO LOADS ARE BEING ADDED TO EXISTING PANELS OR SERVICE. ALL EQUIPMENT AND DEVICES NOTED TO BE DEMOLISHED ARE BEING REPLACED ONE FOR ONE IN LIKE.

PERMIT STAMP

NOTIFICATION OF POTENTIAL HAZARDS

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NOTIFICATION OF CHILD OCCUPIED FACILITY

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FOR:
 SUBMITTAL
 PRICING



Mechanical and Electrical Consulting Engineers
 670 West Fireweed Lane, Suite 200
 Anchorage, AK 99503
 (907)276-6521
 Corporate No.: AECC542



ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

9911 Lake Otis Pkwy, Anchorage, AK

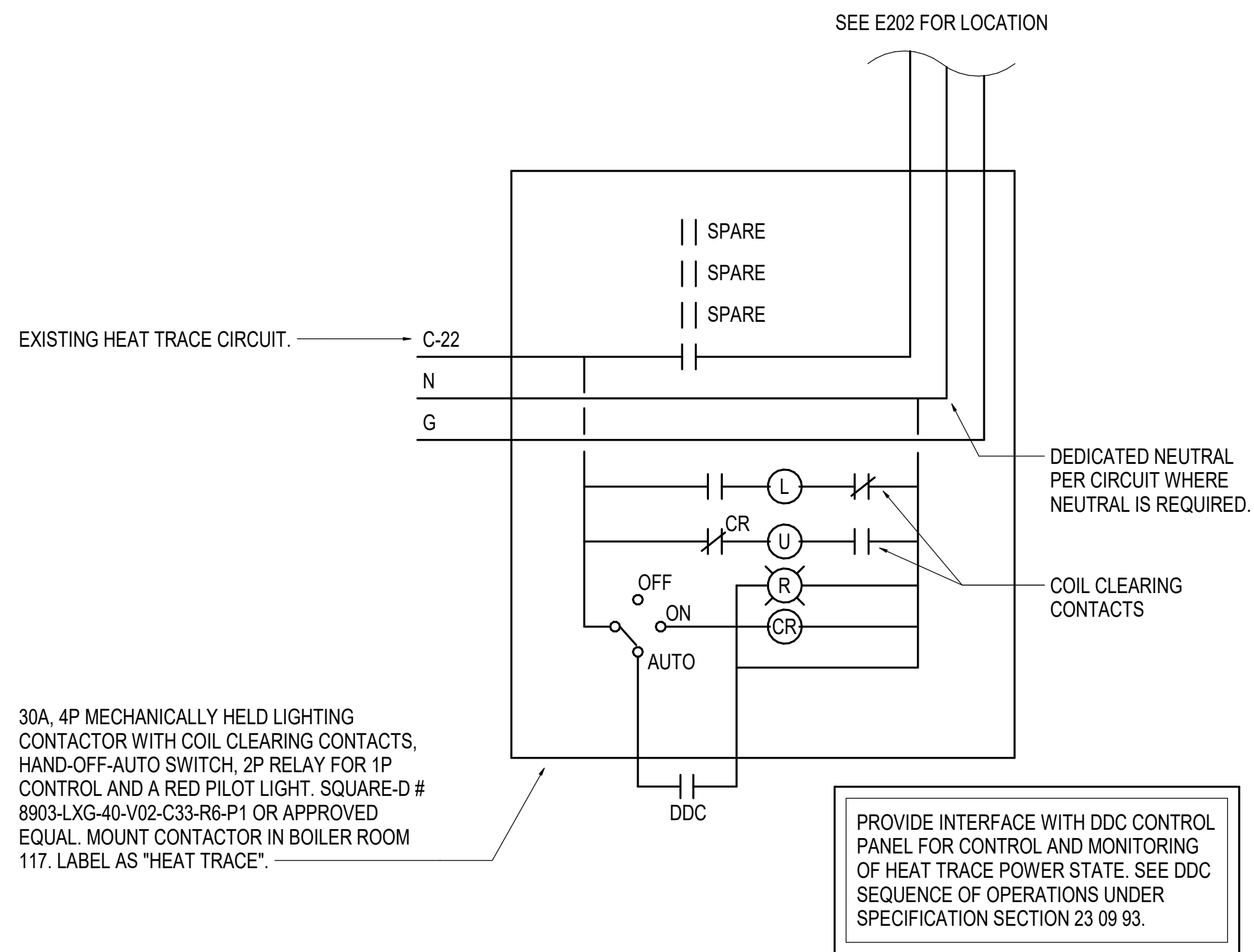
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JOB NO. M3177
 DATE: 02/14/2023
 PROJ. MGR.: FWS
 DRAWN BY: FWS,CZ
 REVIEWED BY: JAM,RLW
 REVISIONS:

ELECTRICAL LEGEND

SHEET NO.

E001



1 HEAT TRACE CONTROL DETAIL
 NOT TO SCALE

GENERAL NOTES:

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
- C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

SHEET NOTES:

- 1. REMOVE AND SAVE FOR REINSTALLATION, DAVIS INSTRUMENTS WEATHER STATION.
- 2. DEMOLISH AERIAL CAT5 CABLING.
- 3. REMOVE ANALOG YAGI ANTENNAS AND TURN OVER TO ASD. DEMOLISH WOOD POLE.

FOR:
 ● SUBMITTAL
 ● PRICING

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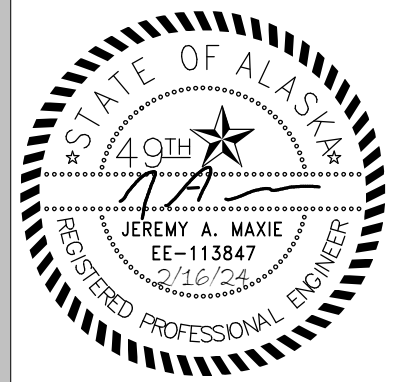
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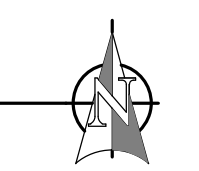
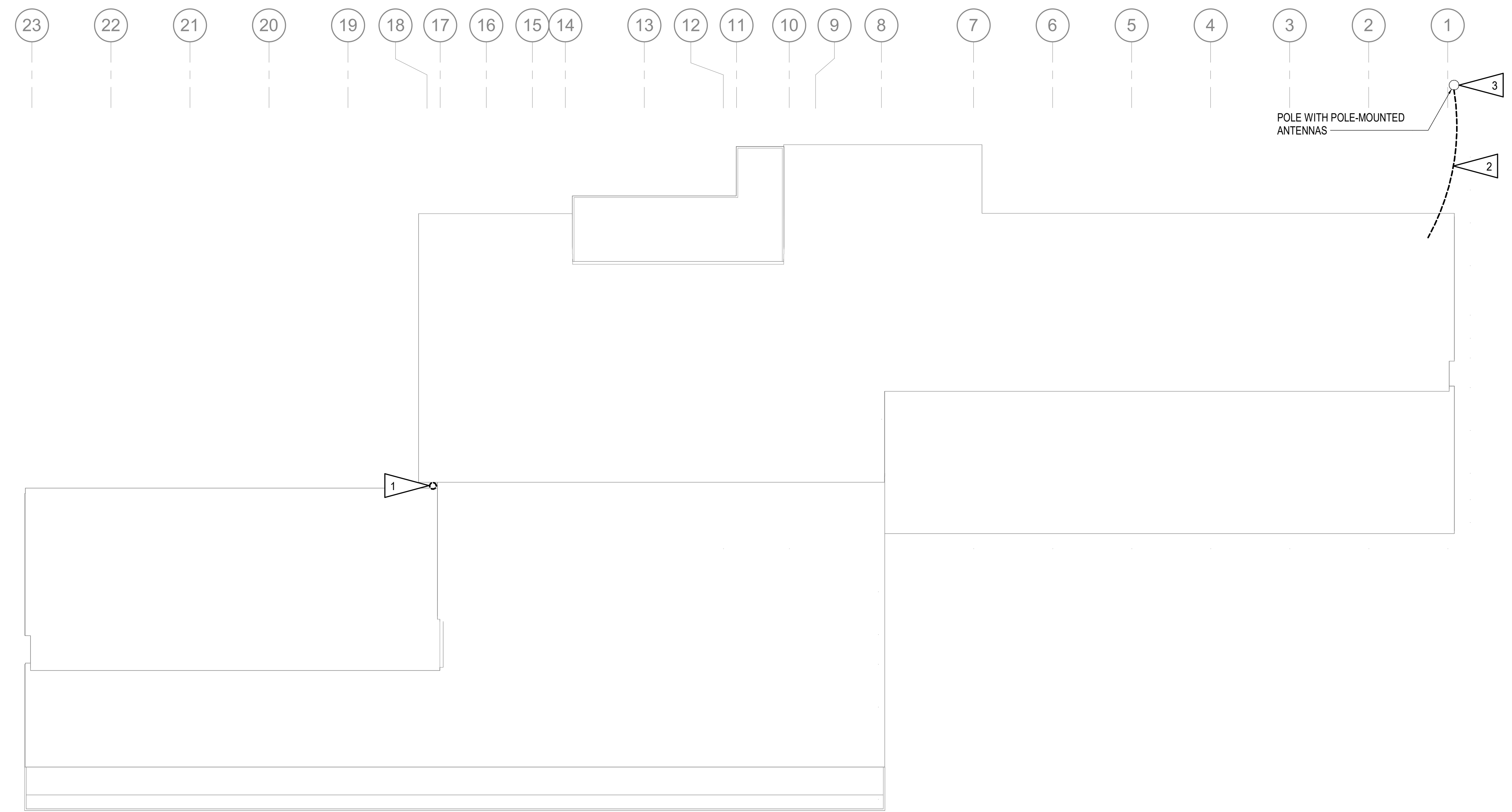
ANCHORAGE SCHOOL DISTRICT

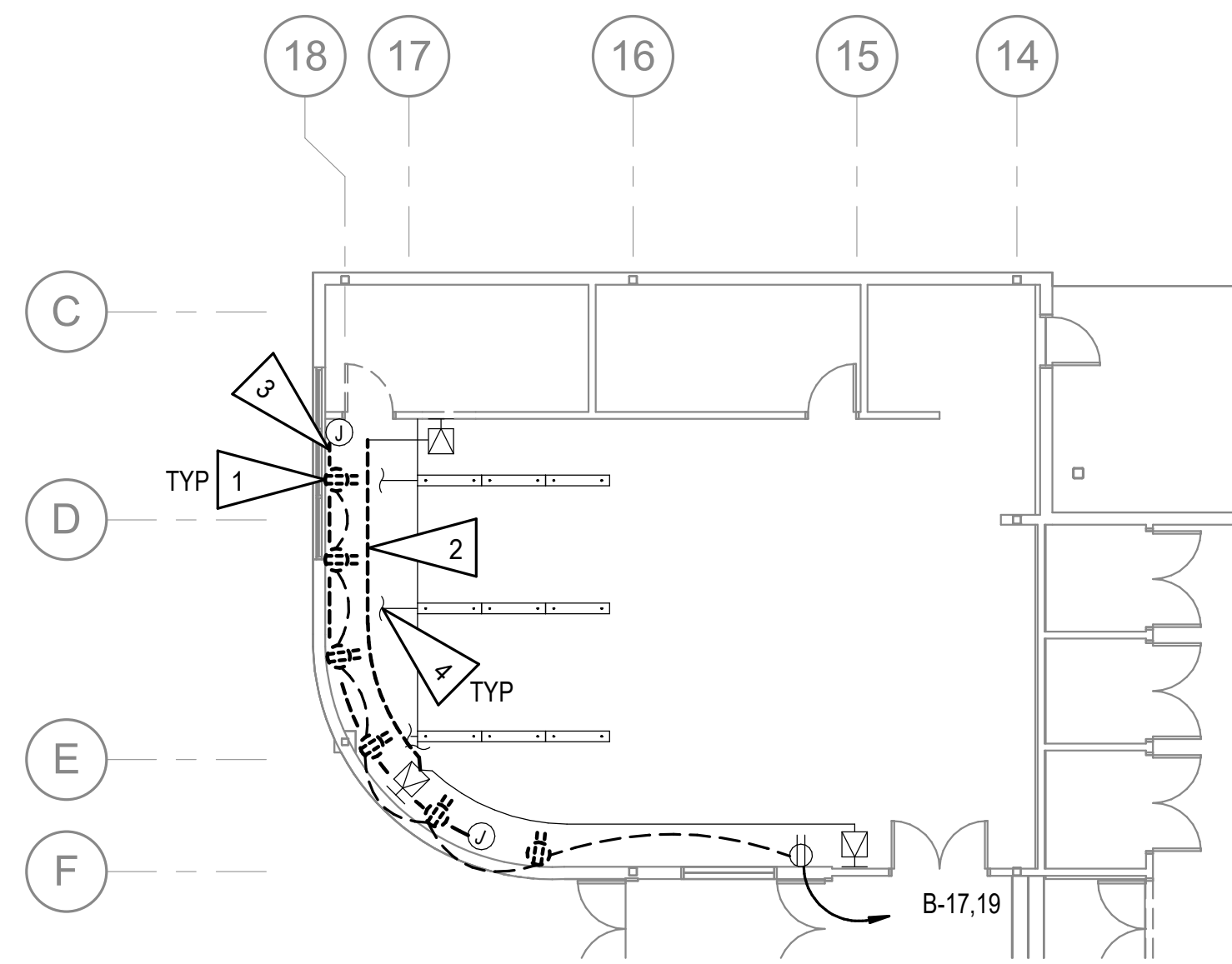
SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

9911 Lake Otis Pkwy,
 Anchorage, AK

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JOB NO. **M3177**
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 PROJ. MGR.: **FWS**
 DRAWN BY: **FWS,CZ**
 REVIEWED BY: **JAM,RLW**
 REVISIONS:





2 ENLARGED ELECTRICAL DEMO PLAN - ART 145
1" = 10'-0"



3 HEAT TRACE CTRL REFERENCE PHOTO
NO SCALE

GENERAL NOTES:

A. SEE E101 FOR GENERAL NOTES.

SHEET NOTES:

1. DEMOLISH RECEPTACLE AND BRANCH CIRCUIT IN FINITUBE ENCLOSURE BACK TO NEXT DEVICE TO REMAIN. CIRCUIT TO BE REUSED WITH NEW SURFACE MOUNTED RECEPTACLES AND RACEWAY. SEE E202.
2. TEMPORARILY REMOVE AND RE-INSTALL SURFACE MOUNTED RACEWAY AND SPEAKER CABLING TO FACILITATE STRUCTURAL UPGRADES AND NEW CROSS BRACING.
3. TEMPORARILY REMOVE AND RE-INSTALL SURFACE MOUNTED RACEWAY AND VIDEO SYSTEM CABLING TO FACILITATE STRUCTURAL UPGRADES AND NEW CROSS BRACING.
4. TEMPORARILY REMOVE AND RE-INSTALL LIGHT FIXTURE SEISMIC SUPPORT CABLING ANCHORED TO WALL TO FACILITATE STRUCTURAL UPGRADES AND NEW CROSS BRACING.
5. DEMOLISH SWITCH FOR CONTROL OF HEAT TRACE. SAVE CONDUIT AND CONDUCTORS TO THE EXTENT POSSIBLE FOR NEW CONTACTOR IN NEW LOCATION. SEE REFERENCE PHOTO 3/E102.
6. DEMOLISH EXISTING HEAT TRACE AND TERMINATION KIT. SAVE CIRCUIT FOR REUSE WITH NEW HEAT TRACE AT OR IN SAME LOCATION.
7. DEMOLISH HEAT TRACE AND SAVE CIRCUIT FOR NEW HEAT TRACE IN SAME LOCATION.

PERMIT STAMP

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STATE OF ALASKA
 40TH
 JEREMY A. MAXIE
 EE-113847
 2/29/24
 REGISTERED PROFESSIONAL ENGINEER

ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

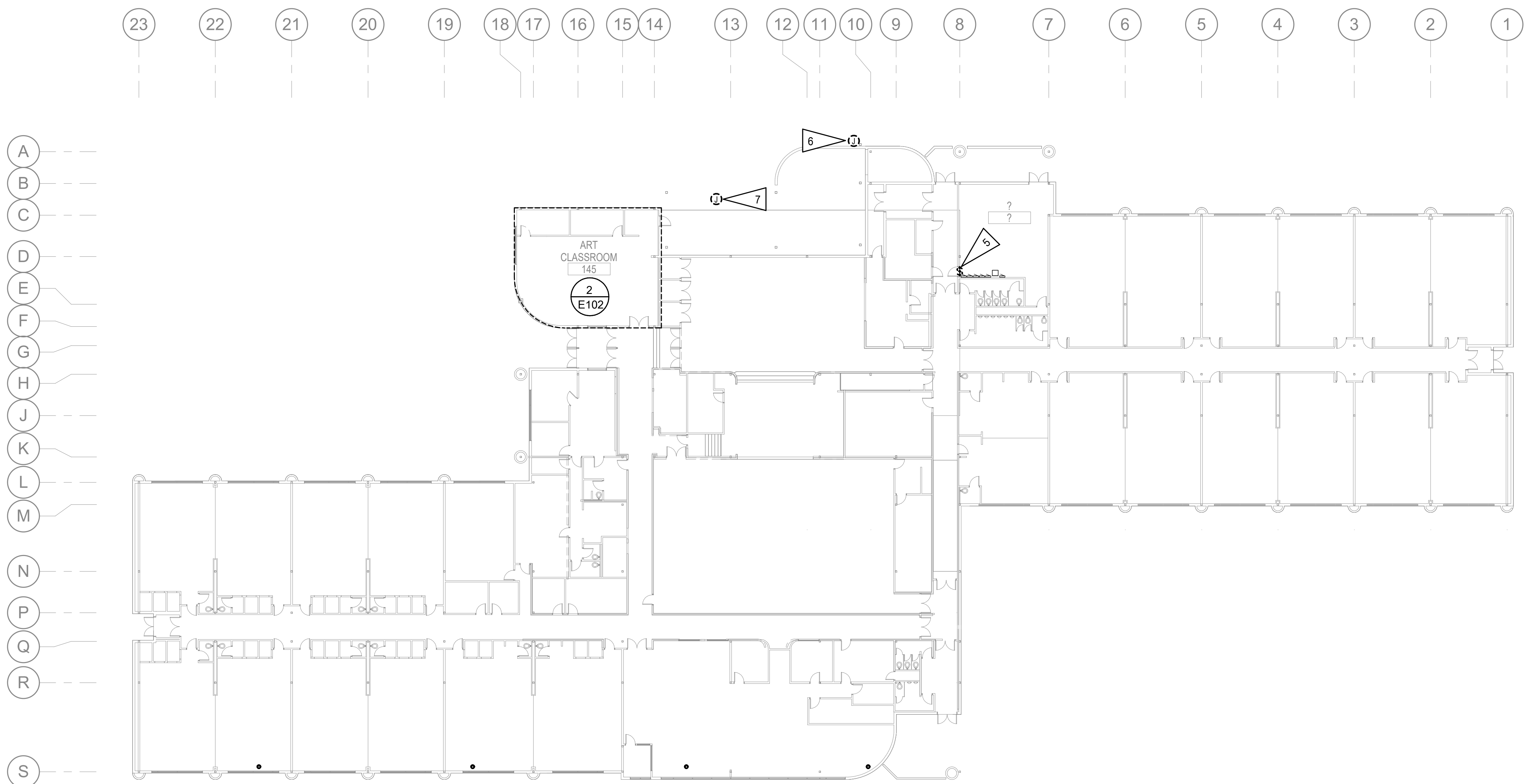
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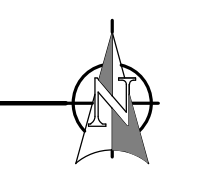
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 DRAWN BY: FWS,CZ
 REVIEWED BY: JAM,RLW
 REVISIONS:

ELECTRICAL DEMOLITION PLANS - FIRST FLOOR

SHEET NO.
E102



1 ELECTRICAL DEMOLITION PLAN - FIRST FLOOR
1" = 20'-0"



GENERAL NOTES:

- A. SEE E101 FOR GENERAL NOTES.
- B. EXISTING CABLE TRAYS AND J-HOOK PATHWAYS ARE NOT SHOWN ON THE DRAWINGS BUT MAY BE USED FOR PART OF THE VIDEO CABLE PATHWAY. IF THE CONTRACTOR INTENDS TO RE-USE ANY EXISTING CABLE PATHWAY, THE EXACT LOCATION AND PATHWAY (CABLE TRAY OR J-HOOK) SHALL BE FIELD VERIFIED AND INDICATED ON THE SHOP DRAWINGS. ALL RE-USE OF EXISTING CABLE PATHWAYS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- C. SEE E303 FOR TELECOM ZONES, NEW CAMERA CABLING SHALL BE ROUTED TO THEIR DESIGNATED ZONES UNLESS PRIOR APPROVAL IS RECEIVED FROM ASD.

SHEET NOTES:

- 1. DEMOLISH CAMERA, SALVAGE VIDEO OUTLET BOX AND UPSTREAM CABLING FOR REUSE.

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ANCHORAGE SCHOOL DISTRICT

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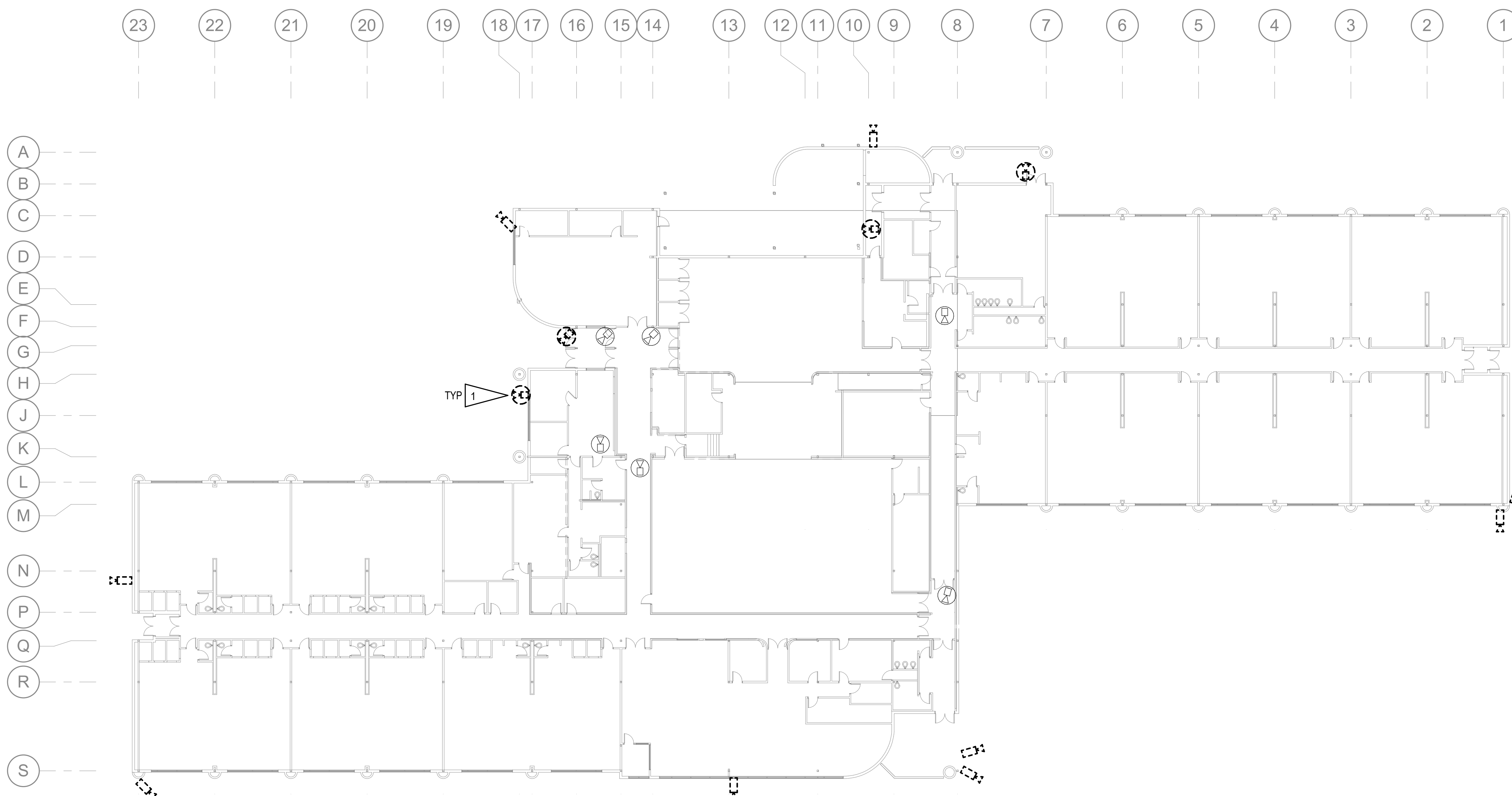
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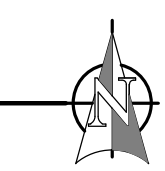
ADD ALT #1 VIDEO SYSTEM DEMOLITION PLAN

SHEET NO.

E103



1 ADD ALT #1 VIDEO SYSTEM DEMOLITION PLAN
 1" = 20'-0"



SHEET NOTES:

- REINSTALL WEATHER STATION ON NEW 1" GRS MAST. WEATHER STATION TO BE MOUNTED MINIMUM OF 5FT ABOVE ROOF. ORIENTATE STATION SUCH THAT SOLAR PANEL FACES SOUTH. REFERENCE ARCHITECTURAL PLANS FOR MAST ATTACHMENT DETAILS.

PERMIT STAMP

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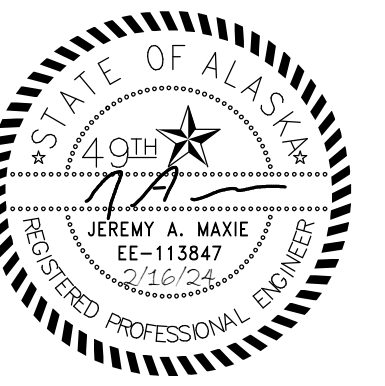
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FOR:
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ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

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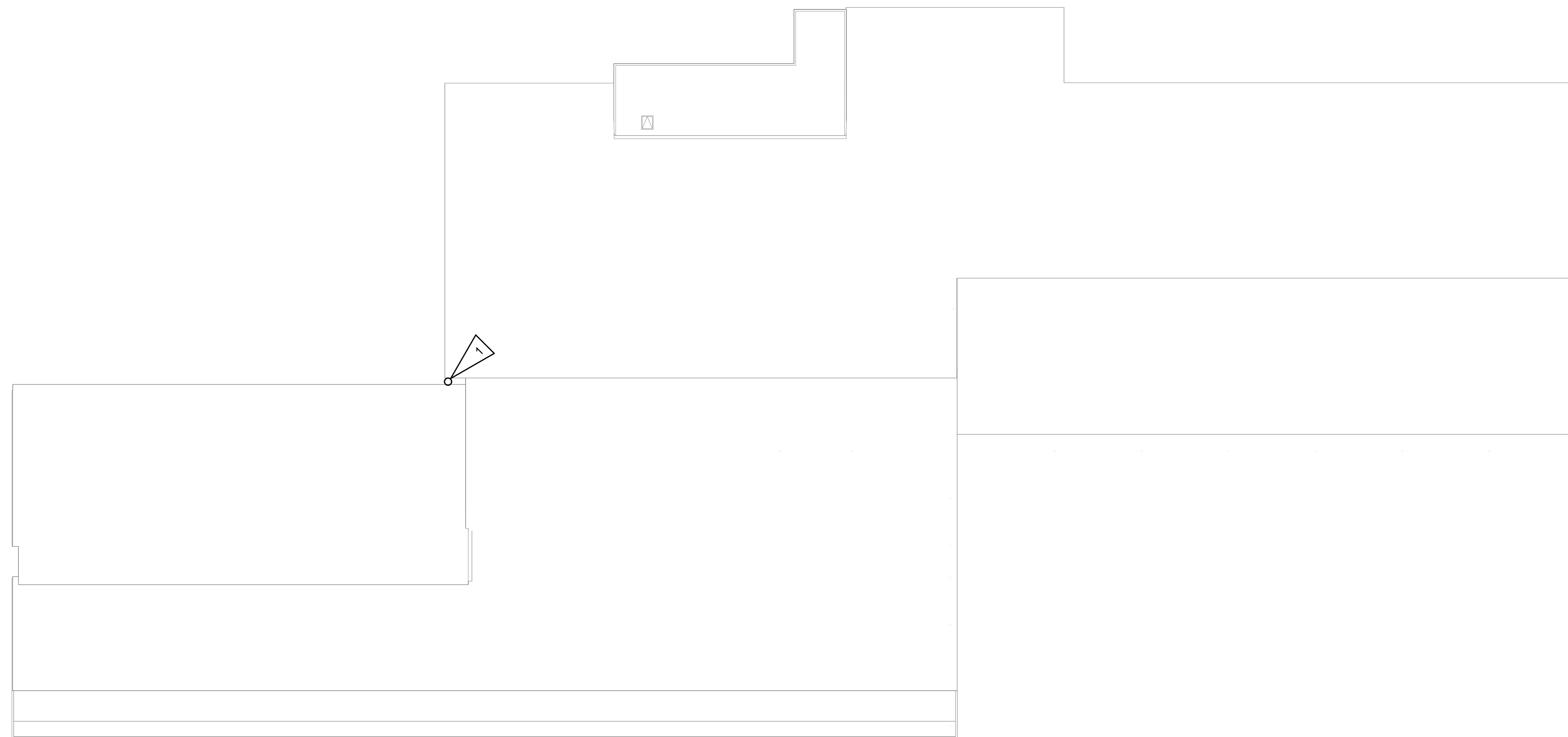
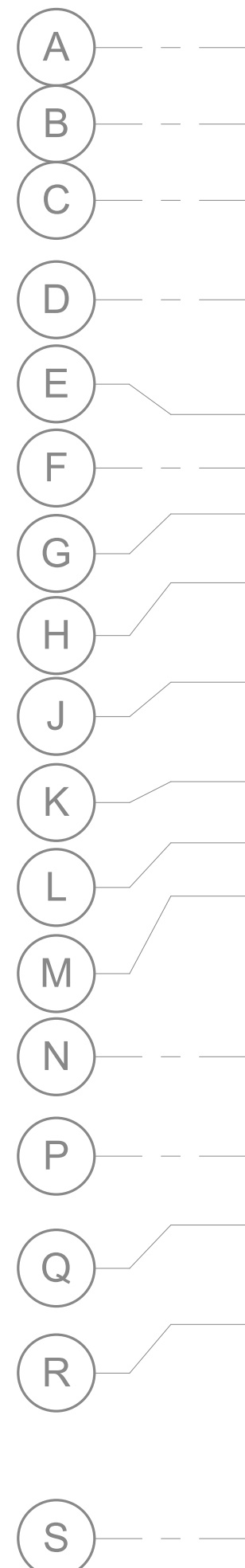
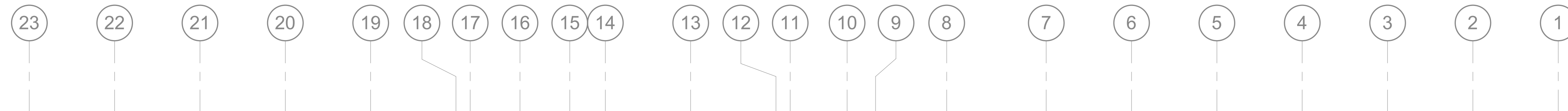
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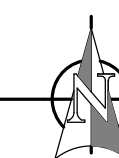
ELECTRICAL REMODEL PLAN - ROOF

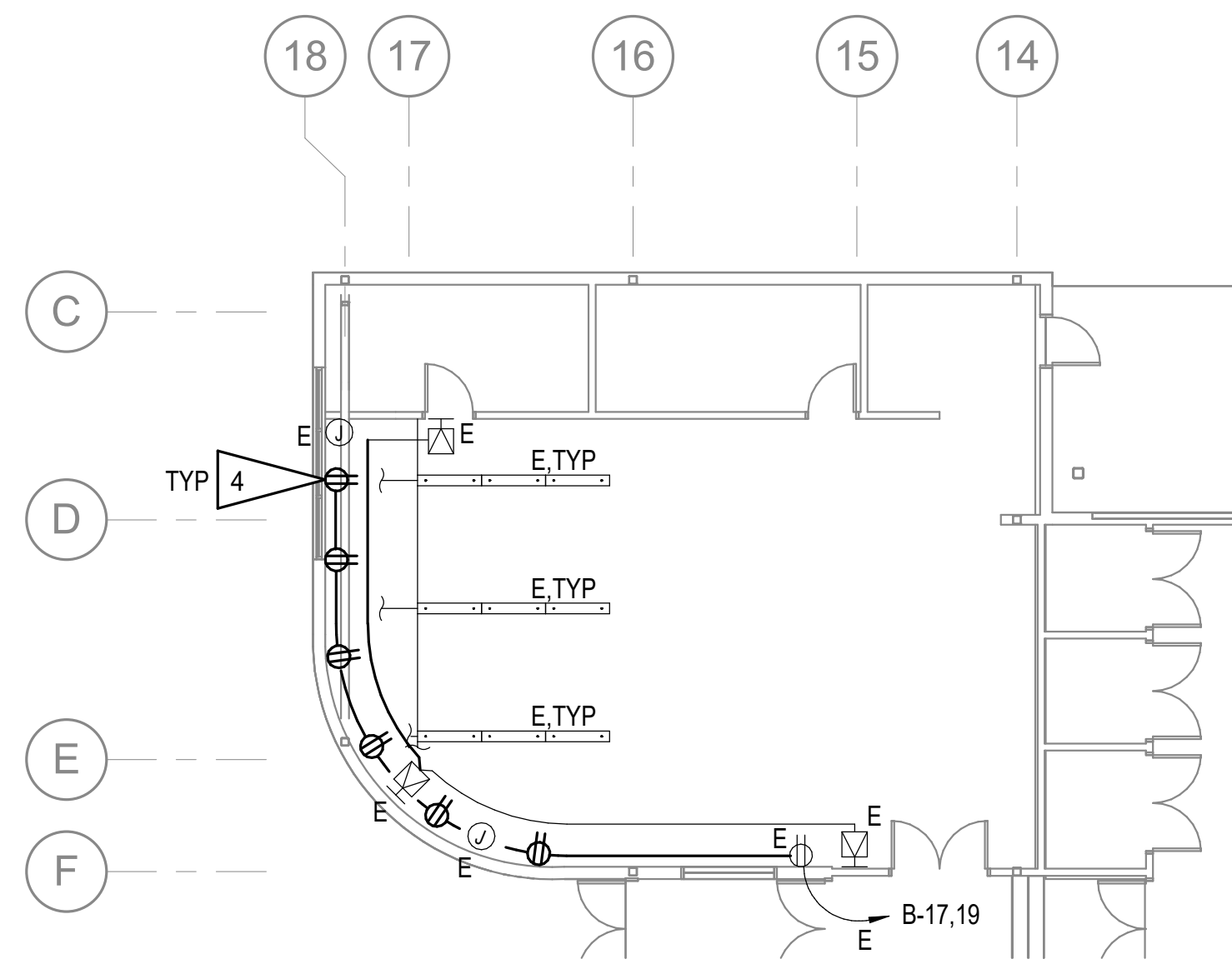
SHEET NO.

E201



1 ELECTRICAL REMODEL PLAN - ROOF
 1" = 20'-0"





SHEET NOTES:

1. NEW HEAT TRACE CONTACTOR, FIELD LOCATE. SEE 1/E001 FOR DETAIL. REROUTE EXISTING HEAT TRACE CIRCUIT TO NEW CONTACTOR.
2. INSTALL NEW HEAT TRACE IN EXISTING RAIN LEADER. PROVIDE 35FT OF HEAT TRACE. CONNECT TO EXISTING SAVED CIRCUIT.
3. INSTALL NEW HEAT TRACE IN EXISTING RAIN LEADER UP TO HEAT TRACE CONNECTION AT VERTICAL PIPE. CONNECT TO EXISTING SAVED CIRCUIT.
4. PROVIDE NEW SURFACE MOUNTED RECEPTACLES AND RACEWAY. MOUNT ABOVE NEW FIN TUBE ENCLOSURE AT 30" AFF. CONNECT TO SAVED CIRCUIT, NEW CONDUCTORS SHALL BE MINIMUM #10 AWG.

PERMIT STAMP

NOTIFICATION OF POTENTIAL HAZARDS

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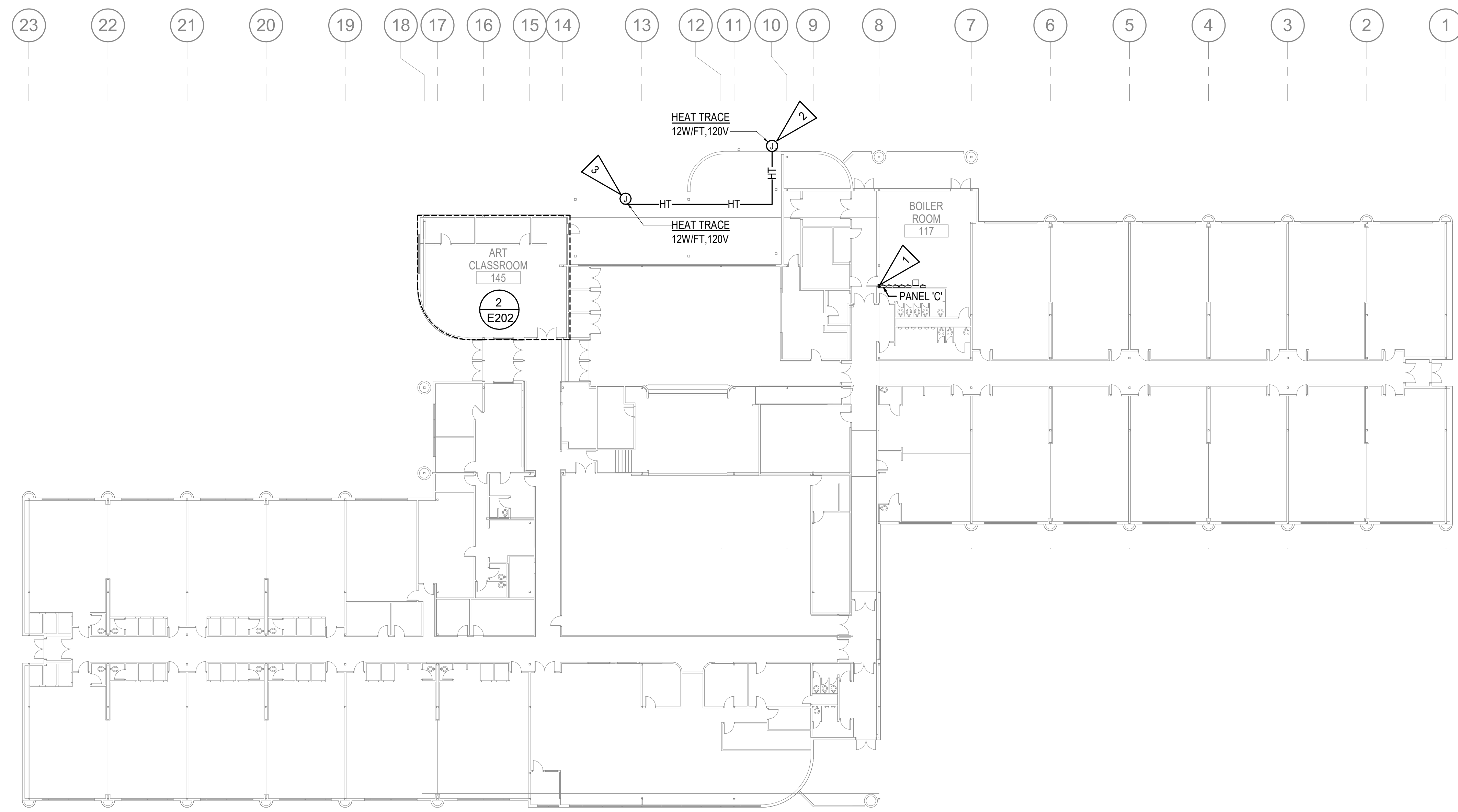
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2 ENLARGED ELECTRICAL REMODEL PLAN - ART 145
 1" = 10'-0"



1 ELECTRICAL REMODEL PLAN - FIRST FLOOR
 1" = 20'-0"

ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

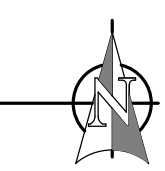
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 DRAWN BY: FWS,CZ
 REVIEWED BY: JAM,RLW
 REVISIONS:

ELECTRICAL REMODEL PLAN - FIRST FLOOR

SHEET NO. **E202**



GENERAL NOTES:

- A. APPROXIMATE LOCATIONS OF ALL CAMERAS ARE SHOWN ON THE DRAWINGS BUT EXACT LOCATIONS WILL BE DETERMINED BY ASD PRIOR TO START OF WORK. FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME THAT ALL CAMERA LOCATIONS MAY CHANGE UP TO 20' IN ANY DIRECTION FROM THE SPECIFIED LOCATION.
- B. WHERE NEW CAMERAS ARE INSTALLED AT EXISTING LOCATIONS, THE MOUNTING HARDWARE MAY BE RE-USED IF COMPATIBLE WITH THE NEW CAMERAS.
- C. CAMERAS SHALL BE INSTALLED OUT OF THE DIRECT PATH OF SLIDING SNOW AND/OR ICE.
- D. NEW CAMERAS INSTALLED IN NEW LOCATIONS SHALL BE MOUNTED TO MATCH THE HEIGHT OF NEARBY DEMOLISHED CAMERAS. FINAL MOUNTING HEIGHTS OF ALL CAMERAS WILL BE DETERMINED BY ASD PRIOR TO THE START OF WORK.
- E. ALL CAMERA HORIZONTAL CABLING IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE NEW CAMERA FIELD PATCH CORDS AS REQUIRED TO CONNECT NEW CAMERAS TO EXISTING VIDEO OUTLET BOXES.
- F. SEE E302 FOR VIDEO SYSTEM GENERAL DETAILS.

SHEET NOTES:

- 1. NEW CAMERA AT EXISTING LOCATION.
- 2. NEW CAMERA AT NEW LOCATION WITHIN 10FT OF EXISTING LOCATION. RE-USE FIELD CABLING. PROVIDE NEW PATCH CORD.
- 3. NEW CAMERA AT NEW LOCATION. PROVIDE NEW CAT6 CABLING TO TELECOM RACK, TERMINATE AND TEST.

FOR:
 • SUBMITTAL
 • PRICING

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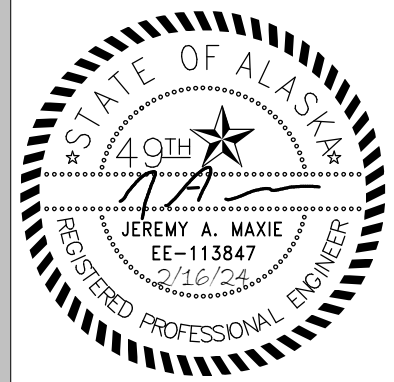
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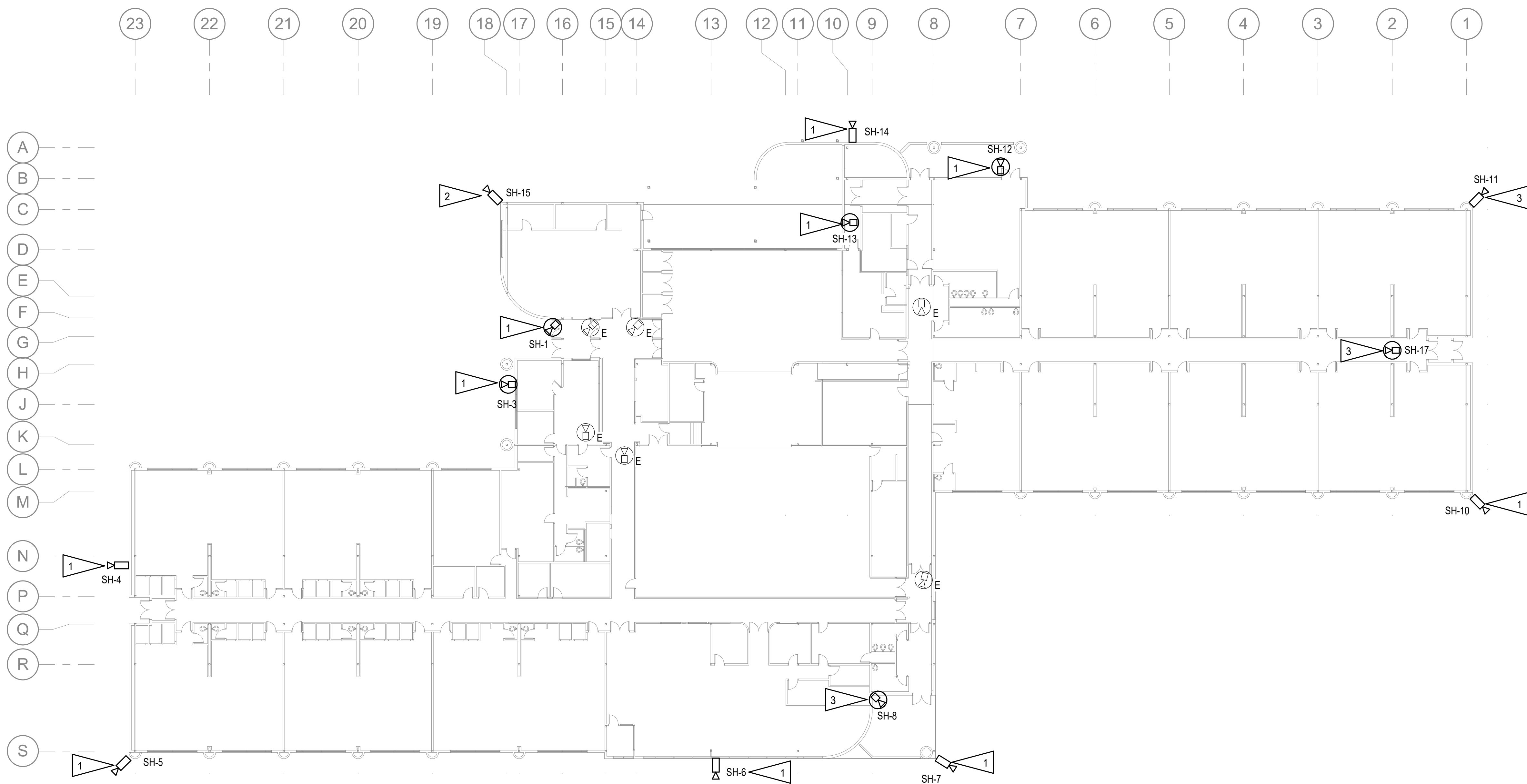
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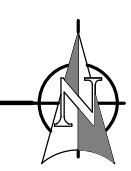
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REVIEWED BY:	JAM,RLW
REVISIONS:	

ADD ALT #1 VIDEO SYSTEM REMODEL PLAN

SHEET NO.
E203



1 ADD ALT #1 VIDEO SYSTEM REMODEL PLAN
 1" = 20'-0"



PERMIT STAMP

NOTIFICATION OF POTENTIAL HAZARDS

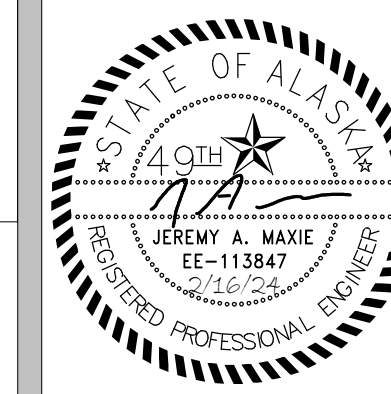
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ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

9911 Lake Otis Pkwy, Anchorage, AK

100% PERMIT DOCUMENTS

JOB NO. M3177
 DATE: 02/14/2023
 PROJ. MGR.: FWS
 DRAWN BY: FWS,CZ
 REVIEWED BY: JAM,RLW
 REVISIONS:

VIDEO SYSTEM ONE-LINE DIAGRAM

SHEET NO.

E301

DETAIL NOTES:

- EXISTING PoE NETWORK SWITCHES IN EXISTING TELECOM RACKS SHALL BE UTILIZED FOR CAMERA SYSTEM.
- TERMINATE HORIZONTAL CABLE ON EXISTING PATCH PANEL IN EXISTING RACK IN TELECOM CLOSET, TYPICAL.
- MAINTAIN CONNECTION TO ASD WAN.
- EXISTING RJ-45 VIDEO JACK IN CAMERA BACKBOX. TYPICAL OF ALL JACKS AT EXISTING FIELD CAMERAS.
- NEW CAMERA AT NEW/EXISTING LOCATION. PROVIDE CONNECTION TO EXISTING RJ-45 JACK IN NEAREST EXISTING VIDEO OUTLET BOX. SEE PLANS FOR CAMERA LOCATIONS.

IP VIDEO SYSTEM CABLE SCHEDULE

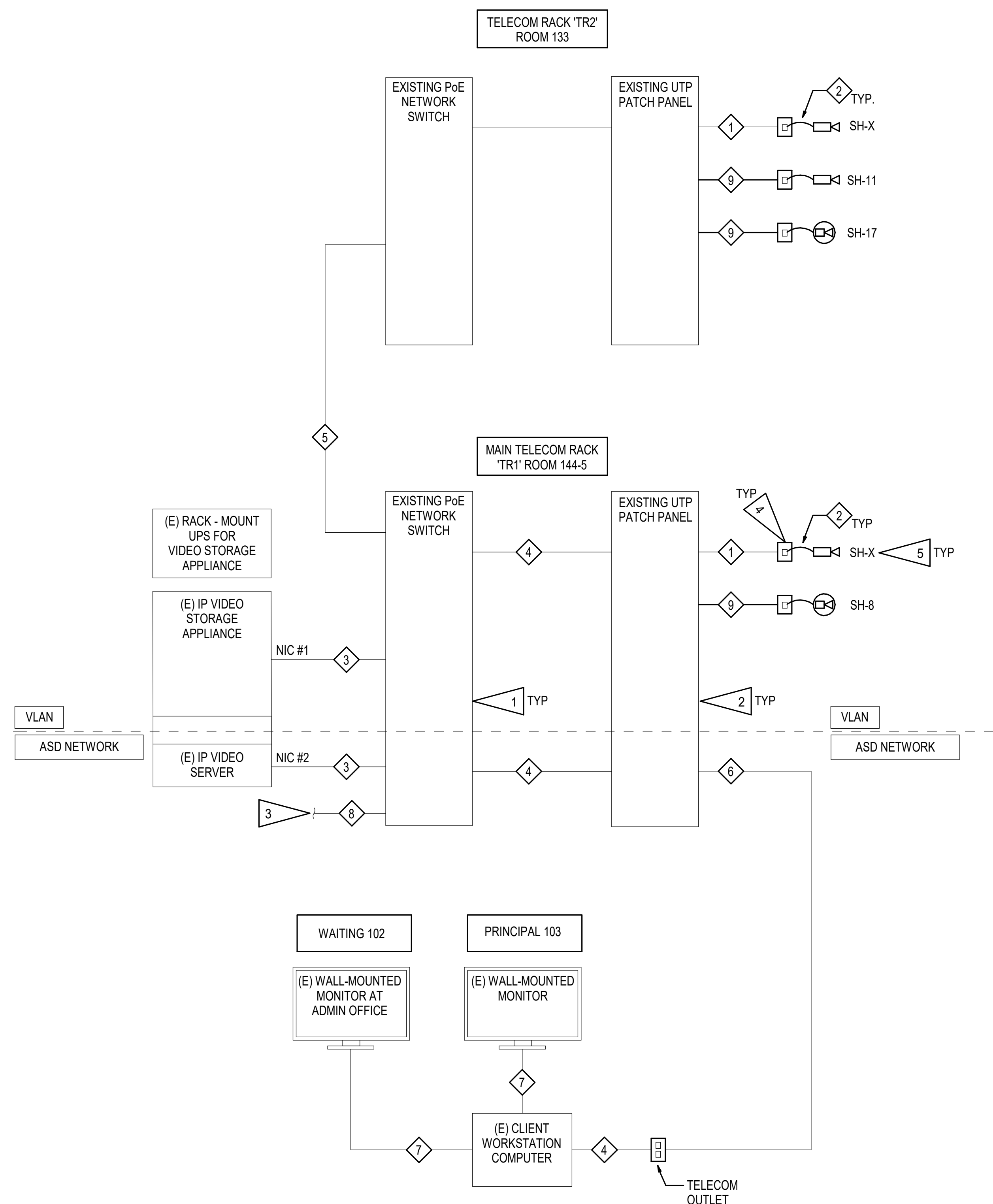
(ALL CABLES SPECIFIED IN SECTION 27 10 00)

CABLE NUMBER	DESCRIPTION
1	EXISTING CAMERA PoE CABLE, CAT 6 UTP
2	NEW CAMERA FIELD PATCH CORD, CAT 6 UTP, LENGTH AS REQUIRED.
3	EXISTING GIGABIT ETHERNET UPLINK PATCH CORD, CAT 6 UTP
4	EXISTING CROSS-CONNECT PATCH CORD, CAT 6 UTP
5	EXISTING GIGABIT FIBER BACKBONE.
6	EXISTING NETWORK HORIZONTAL CABLE, CAT 6 UTP
7	EXISTING MONITOR CABLE, DIGITAL CABLE.
8	EXISTING NETWORK CONNECTION
9	NEW CAMERA PoE CABLE, CAT 6 UTP

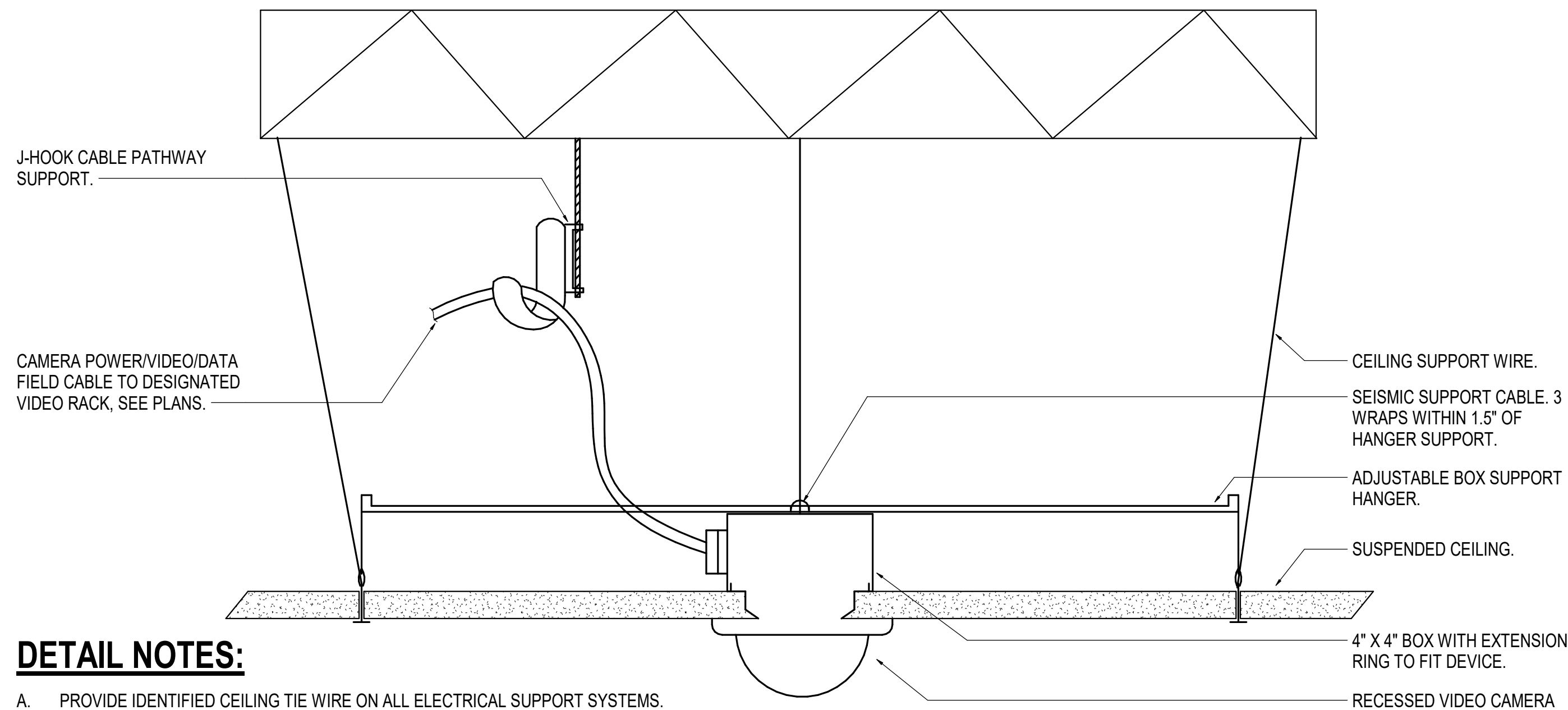
IP VIDEO SYSTEM CAMERA SCHEDULE

SEE 1/E504 FOR ONE-LINE DIAGRAM

CAMERA DESIGNATION	CAMERA LOCATION (SEE 1/E201)	INTENDED COVERAGE AREA	CAMERA TYPE	BASIS OF DESIGN MODEL #	MOUNTING TYPE	TELECOM RACK ZONE
SH-1	EXTERIOR VESTIBULE 100A.	ENTRY/EXIT VESTIBULE 100A.	2MP VARI-FOCAL	AXIS #P3265-LVE	CEILING-MOUNTED	2
SH-3	EXTERIOR PRINCIPAL'S OFFICE 149.	GENERAL COVERAGE OF APPROACH TO VESTIBULE 100A.	5MP VARI-FOCAL	AXIS #P3267-LVE	CEILING-MOUNTED	1
SH-4	SW EXTERIOR CORNER-ROOM 171.	GENERAL COVERAGE OF APPROACH TO WEST ENTRY.	(3) 2MP MULTI-SENSOR	HANWHA #PNM-8082VT	WALL-MOUNTED, ARM	1
SH-5	SW EXTERIOR CORNER-ROOM 172.	GENERAL COVERAGE OF PLAYGROUND.	(4) 4MP MULTI-SENSOR	AXIS #P3737-PL	CORNER-MOUNTED	1
SH-6	WEST EXTERIOR WALL-ROOM 149.	GENERAL COVERAGE OF FIELD AND PLAYGROUNDS.	5MP VARI-FOCAL	AXIS #P3267-LVE	WALL-MOUNTED, ARM	1
SH-7	SE CORNER AT CORNER-SOUTH ENTRY.	GENERAL COVERAGE OF PLAYGROUNDS.	(3) 2MP MULTI-SENSOR	HANWHA #PNM-8082VT	CORNER-MOUNTED	1
SH-8	SE CORNER EXTERIOR CANOPY.	ENTRY/EXIT CORRIDOR 300B.	2MP VARI-FOCAL	AXIS #P3265-LVE	CEILING-MOUNTED	1
SH-10	SE EXTERIOR CORNER-ROOM 102.	GENERAL COVERAGE OF FIELD, EAST ENTRY AND GATE.	(3) 2MP MULTI-SENSOR	HANWHA #PNM-8082VT	CORNER-MOUNTED	2
SH-11	NE EXTERIOR CORNER-ROOM 101.	GENERAL COVERAGE NE OF BUILDING AND EAST ENTRY.	(3) 2MP MULTI-SENSOR	HANWHA #PNM-8082VT	CORNER-MOUNTED	2
SH-12	CANOPY EXTERIOR BOILER ROOM 117.	GENERAL COVERAGE OF NORTH OF BUILDING.	2MP VARI-FOCAL	AXIS #P3265-LVE	CEILING-MOUNTED	2
SH-13	CANOPY EXTERIOR GENERATOR ROOM 127.	GENERAL COVERAGE OF THE LOADING DOCK.	5MP VARI-FOCAL	AXIS #P3267-LVE	CEILING-MOUNTED	2
SH-14	NORTH EXTERIOR WALL OUTSIDE STORAGE.	GENERAL COVERAGE OF NORTH PARKING LOT AND DRIVE LANE.	5MP VARI-FOCAL	AXIS #P3267-LVE	WALL-MOUNTED, ARM	2
SH-15	NW EXTERIOR CORNER-ROOM 145A.	GENERAL COVERAGE OF TRAFFIC NORTHEAST OF BUILDING.	(3) 2MP MULTI-SENSOR	HANWHA #PNM-8082VT	CORNER-MOUNTED	2
SH-17	CORRIDOR 400.	CORRIDOR TRAFFIC AND VEST. 400A ENTRY/EXIT.	DUAL SENSOR	HANWHA #PNM-7082RVD	CEILING-MOUNTED	2



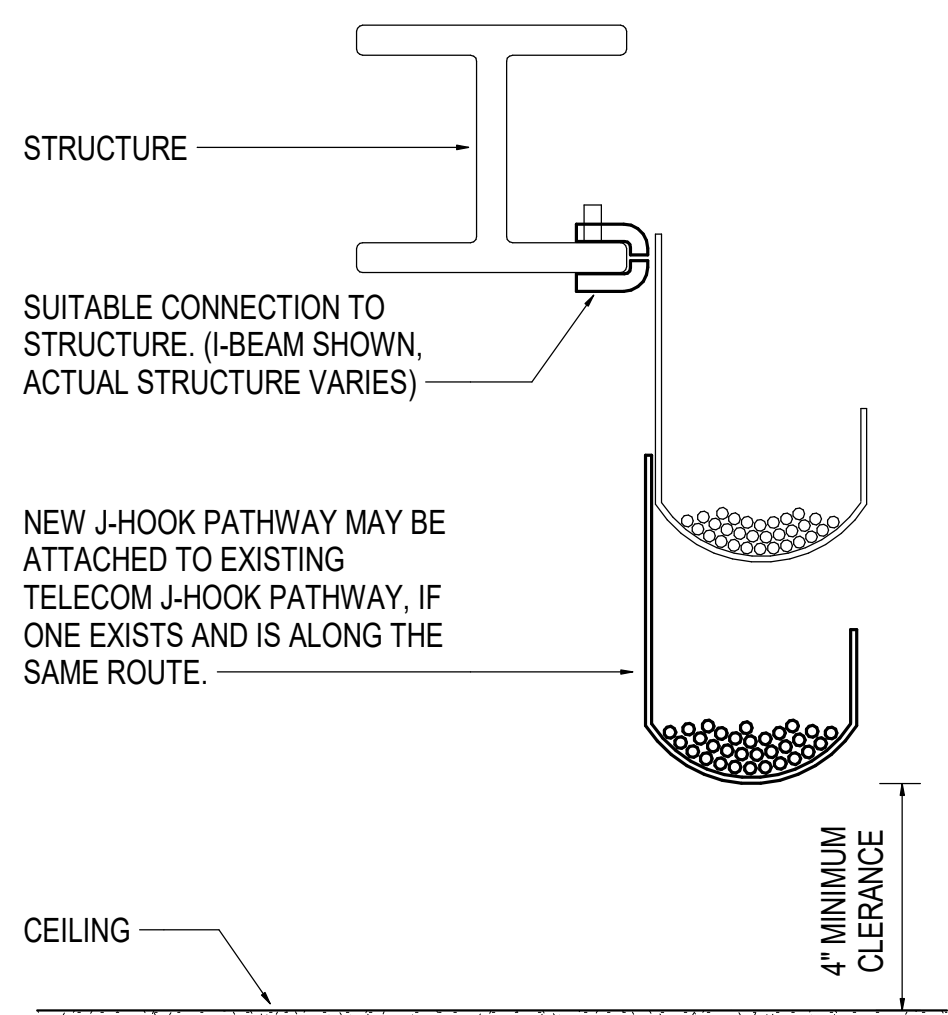
1 VIDEO SYSTEM ONE-LINE DIAGRAM
 NOT TO SCALE



DETAIL NOTES:

- A. PROVIDE IDENTIFIED CEILING TIE WIRE ON ALL ELECTRICAL SUPPORT SYSTEMS.
- B. PROVIDE ALL SUPPORT OF ELECTRICAL WORK INDEPENDENT OF THE CEILING AND CEILING SUPPORT SYSTEM.
- C. TELECOM OUTLETS SHALL BE PROVIDED FOR EACH CAMERA. NO FIELD-TERMINATED PLUGS SHALL BE USED UNLESS PRIOR APPROVAL IS RECEIVED FROM ASD.

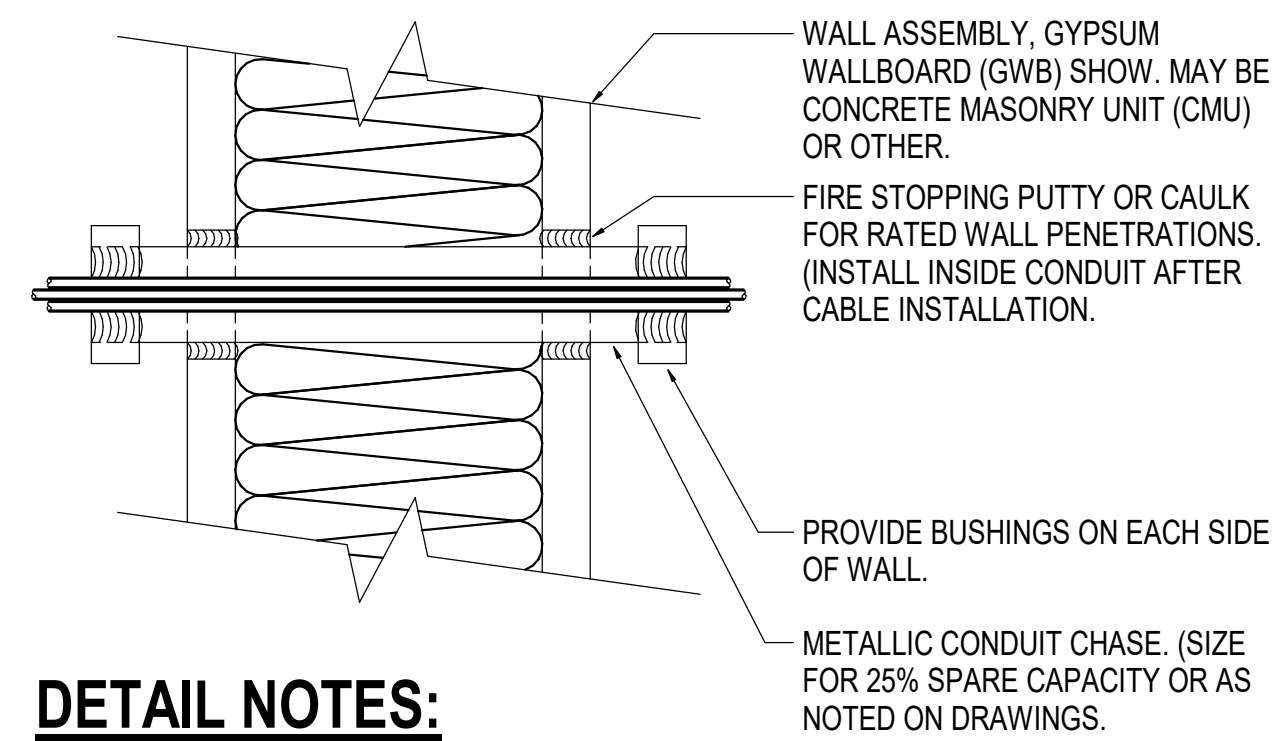
1 RECESSED CAMERA SUPPORT DETAIL-ACCESSIBLE GRID CEILINGS
NOT TO SCALE



DETAIL NOTES:

- A. PROVIDE CONTINUOUS J-HOOK SUPPORT FOR ALL CABLING NOT REQUIRED TO BE INSTALLED IN CONDUIT AND WHERE CABLE TRAY OR RACEWAYS ARE NOT PROVIDED.
- B. SEE THE SPECIFICATIONS FOR J-HOOK RATINGS, SPACING CRITERIA AND SPARE CAPACITY REQUIREMENTS.
- C. PROVIDE ADDITIONAL SEPARATE J-HOOK PATHWAYS FOR EACH SYSTEM. CABLES SHALL NOT BE INTERMIXED BUT J-HOOKS FOR MULTIPLE SYSTEMS MAY BE CONNECTED TO THE SAME SUPPORT STRUCTURE.
- D. PROVIDE SPECIFIC MOUNTING HARDWARE FOR SUPPORT TO STRUCTURE TYPES AS NECESSARY. J-HOOKS MUST BE INSTALLED VERTICALLY AS SHOWN.

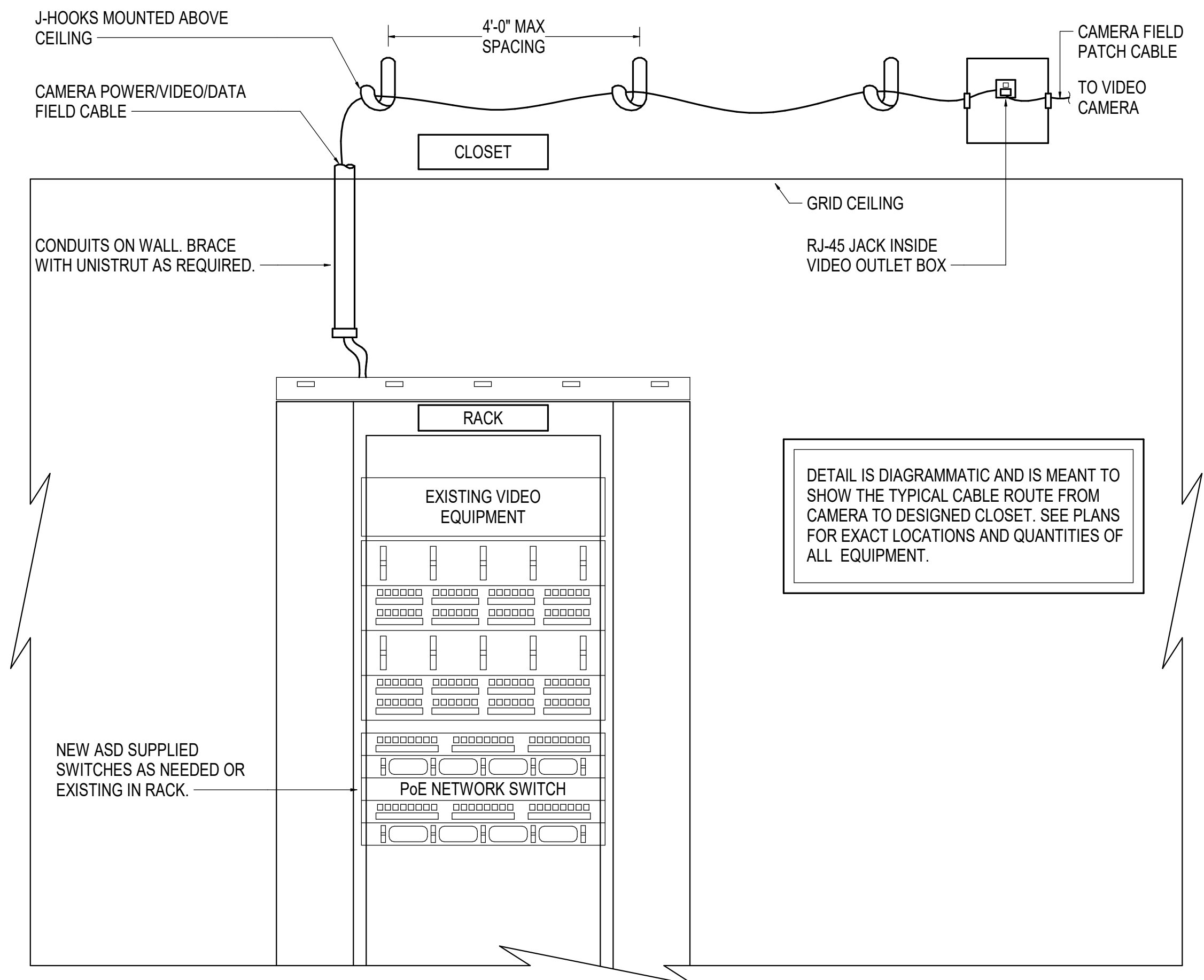
3 J-HOOK DETAIL - LOW-VOLTAGE CABLING
NOT TO SCALE



DETAIL NOTES:

- A. THE PENETRATION SHALL BE A LISTED FIRE RATED SYSTEM AS REQUIRED BY THE RATING AND CONSTRUCTION TYPE OF THE WALL.
- B. PROVIDE UL LISTED FIRE STOPPING PER MANUFACTURER'S RECOMMENDATIONS AT ALL FIRE WALLS WHICH ARE PENETRATED.
- C. PENETRATIONS IN NON-RATED WALLS SHALL BE SEALED WITH SILICONE OR SIMILAR.

2 TYPICAL WALL PENETRATION DETAIL
NOT TO SCALE



4 VIDEO FIELD CABLE ROUTING DETAIL
NOT TO SCALE

FOR:
 • SUBMITTAL
 • PRICING

PERMIT STAMP

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STATE OF ALASKA
 40th
 JEREMY A. MAXIE
 EE-113847
 2/16/24
 REGISTERED PROFESSIONAL ENGINEER

ANCHORAGE SCHOOL DISTRICT

SPRING HILL ELEMENTARY SCHOOL ROOF REPLACEMENT

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100% PERMIT DOCUMENTS

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 DATE: 02/14/2023
 PROJ. MGR.: FWS
 DRAWN BY: FWS,CZ
 REVIEWED BY: JAM,RLW
 REVISIONS:

VIDEO SYSTEM DETAILS

SHEET NO.
E302

FOR:
SUBMITTAL
PRICING

PERMIT STAMP

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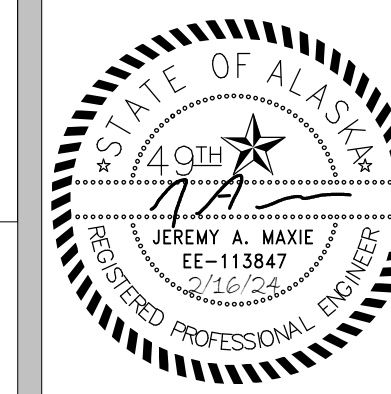
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PROJ. MGR.: **FWS**
DRAWN BY: **FWS,CZ**
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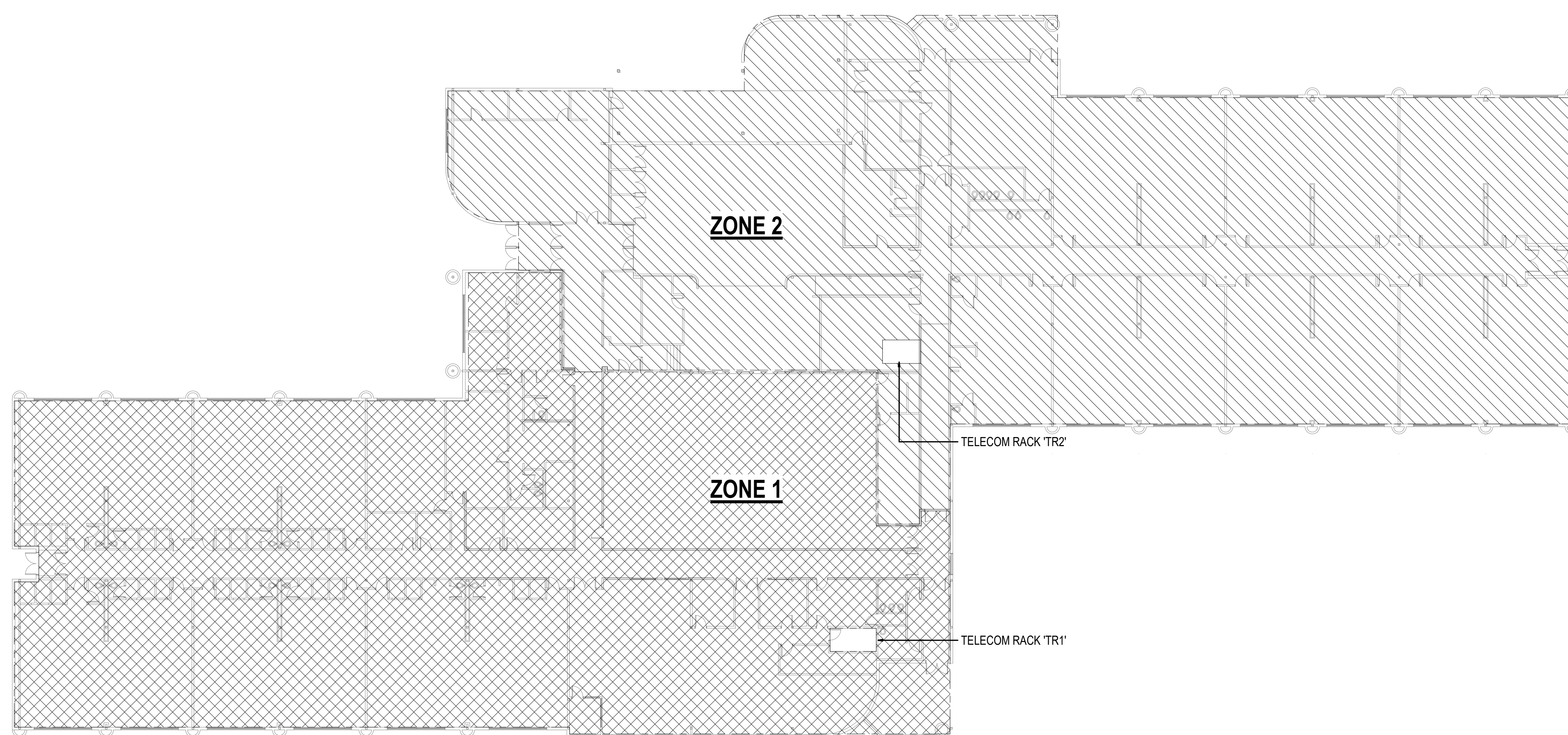
**VIDEO SYSTEM
ZONE PLAN**

SHEET NO.

E303

23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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1 VIDEO SYSTEM ZONE PLAN
1" = 20'-0"

