

# AN ADDITION FOR:

## KIMBERLY SCHOOL DISTRICT

3682 N 3450 E, Kimberly, ID 83341

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### GENERAL NOTES:

- ALL WORK SHALL MEET CURRENT ADOPTED STATE, LOCAL CODES, ORDINANCES, & 2018 IBC
- ALL MECHANICAL, ELECTRICAL, & PLUMBING WORK SHALL MEET ALL CURRENT APPLICABLE STATE & LOCAL CODES.
- ALL UTILITIES SHALL BE PROPERLY IDENTIFIED & LOCATED BEFORE WORK BEGINS ON PROJECT.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS AT THE JOB SITE & NOTIFY THE ARCHITECT OF ANY DIMENSIONAL ERRORS, OMISSIONS, OR DISCREPANCIES BEFORE BEGINNING OR FABRICATING ANY WORK.
- DO NOT SCALE DRAWINGS.
- ALL DOOR HANDLES SHALL BE LEVER TYPE, ALL DOOR HARDWARE SHALL BE A.D.A COMPLIANT AS PER CURRENT ANSI 117.1
- AT MAIN ENTRANCE DOOR SHALL HAVE SINGLE ACTION LOCKING DEVICE & OR SIGNED "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

### FIRE DEPARTMENT NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSURE THAT ALL DEFERRED SUBMITTALS REQUIRED BY THE FIRE DEPARTMENT **HAVE BEEN APPROVED BY THE STATE PRIOR TO THE INSTALLATION OF A FIRE ALARM AND/OR FIRE SPRINKLER SYSTEM.** IT SHALL ALSO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THAT ALL APPROPRIATE TESTING AND/OR INSPECTIONS HAVE BEEN PERFORMED BEFORE COVERING OR CALLING FOR A FINAL INSPECTION.  
FIRE SPRINKLER UNDERGROUND PIPING THE UNDERGROUND FIRE SPRINKLER LINE MUST MEET NFPA 24 AND THE CITY OF KIMBERLY STANDARDS. THE INSPECTION AND TESTING OF THE UNDERGROUND FIRE SPRINKLER LINE SHALL BE OVERSEEN BY THE FIRE MARSHALL.  
SPRINKLER SYSTEM PLANS SHALL BE SENT TO THE STATE FIRE MARSHAL OFFICE AND DESIGNED IN ACCORDANCE WITH CURRENT NFPA 13 STANDARDS.  
IDAHO STATE FIRE MARSHAL  
700 WEST STATE STREET, 3RD FLOOR  
BOISE, IDAHO 83720  
PLANS SHALL MEET CURRENT IFC, NFPA 13R AND IDAHO STATE PLUMBING CODES, AND BE APPROVED PRIOR TO INSTALLATION.
- FDC VISUAL ALARM A VISUAL ALARM DEVICE (EXTERIOR HORN/STROBE) SHALL BE PROVIDED IN THE AREA OF THE FDC.
- APPROVED SIGNS SHALL BE INSTALLED ON THE FIRE RISER ROOM DOOR AND ON THE FIRE DEPARTMENT CONNECTION.

### ABBREVIATIONS

AC	ACOUSTICAL CEILING	DIA	DIAMETER	GYP BD	GYPSUM BOARD	PL	PLATE, PLASTIC LAMINATE	T	THREAD
ADJ	ADJUSTABLE - ADJACENT	DIM	DIMENSION	HB	HOSE BIB	P-LAM	PLASTIC LAMINATE	TBB	TILE BACKER BOARD
AFF	ABOVE FINISH FLOOR	DF	DRINKING FOUNTAIN	HC	HANDICAPPED	PLWD	PLYWOOD	T&G	TONGUE AND GROOVE
AL	ALUMINUM	DP	DEEP	HDR	HEADER	PNL	PANEL	TO	TO OFF
ALT	ALTERNATE	DR	DOOR	HM	HOLLOW METAL	PORC. TILE	PORCELAIN TILE	TOW	TOP OF WALL
ANOD	ANODIZED	DS	DOWNSPOUT	HORIZ	HORIZONTAL	PR	PAIR	TPD	TOILET PAPER DISPENSER
AP	ACOUSTICAL WALL PANEL	DWG	DRAWING	HT	HEIGHT	PSF	POUNDS PER SQUARE FOOT	TSCD	TOILET SEAT COVER DISPENSER
APPROX	APPROXIMATE	E	EAST	HVAC	HEATING/VENTILATING/	PSI	POUNDS PER SQUARE INCH	TT	TIRE TREAD
ARCH	ARCHITECT (-URAL)	(E)	EXISTING	ILO	AIR CONDITIONING	PT	PAPER TOWEL DISPENSER	TYP	TYPICAL
AW	ACOUSTICAL WALL	EA	EACH	INSUL	INSULATION	PTD	PAPER TOWEL DISPENSER	UNO	UNLESS NOTED OTHERWISE
AWF	ACOUSTICAL WALL FABRIC	EJ	EXPANSION JOINT	INT	INTERIOR	QT	QUARTZ TILE	UIS	UNDERSIDE
BLDG	BUILDING	EL	ELEVATION	JNT	JOINT	R	RISER, RADIUS	VB	VAPOR BARRIER
BM	BEAM	ELEC	ELECTRIC (-AL)	KB	KNOCK DOWN	RB	RESILIENT BASE	VCT	VINYL COMPOSITION TILE
BOD	BOTTOM OF DECK	EP	ENAMEL PAINT	KD	KNOCK DOWN	RD	ROOF DRAIN	VERT	VERTICAL
BOT	BOTTOM	EQ	EQUAL	LAV	LAVATORY	RO	ROUGH OPENING	VGf	VINYL GYM FLOORING
BTWN	BETWEEN	EW	EACH WAY	MCFP	MULTI-COLORED FINISH	RR	RESTROOM	VIF	VINYL INDUSTRIAL FLOORING
CB	CATCH BASIN	EXG	EXISTING	MDO	MEDIUM DENSITY	RSF	RUBBER SHEET FLOORING	VR	VAPOR RETARDER
CBT	CABINET	EXP	EXPANSION	MECH	MECHANICAL	S	SOUTH	VT	VINYL TILE
CG	CORNER GUARD	EXT	EXTERIOR	MFR	MANUFACTURE (-R)	SC	SOLID CORE	VWF	VINYL WALL FABRIC
CJ	CORNER JOINT	FA	FIRE ALARM	MISC	MISCELLANEOUS	SCU	STRUCTURAL CLAY UNIT	W	WEST
CL	CENTERLINE	FD	FLOOR DRAIN	MIRGB	MOISTURE RESISTANT	SD	SOAP DISPENSER	W/C	WATER CLOSET
CLG	CEILING	FE	FIRE EXTINGUISHER	MIN	MINIMUM	SDSV	STATIC DISIPATIVE SHEET VINYL	WD	WOOD
CLR	CLEAR (-ANCE)	FEC	FIRE EXTINGUISHER CABINET	MISC	MISCELLANEOUS	SF	SPECIALTY FINISH	W/D	WASHER & DRYER
CMT	CERAMIC MOSAIC TILE	FF	FIRE FINISH, FINISH FLOOR	MIRGB	MOISTURE RESISTANT	SFGL	SAFETY GLASS	WDO	WINDOW
CMU	CONCRETE MASONRY UNIT	FIN	FINISH (-ED)	MTL	METAL	SHTG	SHEATHING	WF	WALL FABRIC
CO	CLEAN OUT	FLR	FLOOR (-ING)	N	NORTH	SIM	SIMILAR	WFV	WOOD FACE VENEER
COL	COLUMN	FND	FOUNDATION	N	NORTH	SL	SLOPE	WG	WIRE GUARD
CONC	CONCRETE	FOC	FACE OF CONCRETE	(N)	NEW	SND	SANITARY NAPKIN DISPENSER	WGL	WIRED GLASS
CONT	CONTINUOUS, CONTINUE	FRP	FIBERGLASS REINFORCED	NA, N/A	NOT APPLICABLE	SP	SPACE (-S)	WM	WIRE MESH
CORR	CORRIDOR	FR	FLOOR FINISH, FINISH FLOOR	NIC	NOT IN CONTRACT	SPC	SPECIFICATION	W/O	WITHOUT
CP	CARPET	FRVR	FLAME RESISTANT VAPOR BARRIER	NDU	NOMINAL	SQ	SQUARE	WOC	WALK-OFF CARPET
CS	CONCRETE SLAB, SEALED	FT	FOOT, FEET	NOM	NOMINAL	S/S	STAINLESS STEEL	WP	WATERPROOFING
CT	CERAMIC TILE	FTG	FOOTING	NTS	NOT TO SCALE	ST	STAIN	WPS	WALL PROTECTION SYSTEM
CTJ	CONTROL JOINT	FWC	FABRIC WALL COVERING	OC	ON CENTER	STL	STEEL	WR	WATER RESISTANT
CTR	COUNTER (-TOP)	GA	GAUGE	OD	OUTSIDE DIAMETER	STR	STRUCTURE (-AL)	WRGB	WATER RESISTANT GYPSUM
DBL	DOUBLE	GALV	GALVANIZED	OD	OUTSIDE DIAMETER	STRG	STORAGE	W	WALLBOARD
DET	DETAIL	GH	GARMENT HOOK	OPP	OPPOSITE	SV	SHEET VINYL FLOORING	WWF	WELDED WIRE FABRIC
		GMM	GLASS MESH MORTAR BOARD	PCMU	PRE-FACED CMU			W/	WITH

### PLAN ANALYSIS Based on 2018 Edition of I.B.C.

Architect of Record: Laughlin Ricks Architecture, L.L.C.

Engineer: \_\_\_\_\_

Job Address: \_\_\_\_\_

Legal Description: \_\_\_\_\_

Occupancy Classification: E Occupant Load Per Area: \_\_\_\_\_

Occupancy Use: AG SHOP & CLASSROOMS

Allowable Stories Per Code: 2 Provided: 1 (IBC Table 505.4) Total: 250 OCCUPANTS  
SEE OVERALL FLOOR PLAN

Floor Area: Basement: \_\_\_\_\_ 1<sup>st</sup>: 12,775 SF (E) Exits Required: Basement: \_\_\_\_\_ 1<sup>st</sup>: 2  
Mezzanine: \_\_\_\_\_ 3<sup>rd</sup>: \_\_\_\_\_ Total: 16,723 SF 2<sup>nd</sup>: \_\_\_\_\_ 3<sup>rd</sup>: \_\_\_\_\_ 4<sup>th</sup>: \_\_\_\_\_

Total Required Exits Per Occupant Load: 2, 10 PROVIDED (IBC Table 1006.3.2)

Actual furthest travel distance to exit: 85' (IBC Table 1017.2 & 1006.2.1)

Penetrations? Show Approved Listed Products on Plans: N/A

Type of Construction: VB Allowable Building Height: 60'

Seismic Design Category: C Allowable Area Calc's: 38,000

Automatic Sprinkler System: Yes: x No: \_\_\_\_\_ (IBC Table 506.2)

Maximum Floor Area Allowed: 38,000 Exit Signs: Yes: x No: \_\_\_\_\_

Special Inspections Required? Yes: \_\_\_\_\_ No: x Emergency Lights: Yes: x No: \_\_\_\_\_

Firewalls Required? (Specify Type & Rating) Yes: \_\_\_\_\_ No: x Fire Extinguishers Shown: Yes: x No: \_\_\_\_\_ (IFC Section 906)

Occupancy Separation Use? Yes: \_\_\_\_\_ No: x Fire Hydrant Locations Shown: Yes: x No: \_\_\_\_\_

Areas of Refuge Required? (IBC Section 1009.2.3.4) Yes: \_\_\_\_\_ No: x Vestibule Required: Yes: (E) No: \_\_\_\_\_

Area Separation Required? Yes: \_\_\_\_\_ No: x Classified Areas? Yes: \_\_\_\_\_ No: x (Show on plans & Show Areas)

Fire Resistance Ratings of BLDG Elements : 0 (IBC Table 601) (Specify Rating)

Minimum Roof Class: C (IBC Table 1505.1) Exterior Wall Openings: N/A (IBC 705.8)

Fire Doors: N/A (IBC Table 716.1.2) Fire Alarm System: YES (IBC 907.2)

Fire Flow and Duration: \_\_\_\_\_ Corridor Width: 72" (IBC Table 1020.2)

Rated Structural Frame: Yes: \_\_\_\_\_ No: x Rated Corridors: Yes: \_\_\_\_\_ No: x (Roof Supports Only) (IBC Section 1020.1)

Rated Bearing Walls-Exterior: Yes: \_\_\_\_\_ No: x Rated Bearing Walls-Interior: Yes: \_\_\_\_\_ No: x

Rated Nonbearing Walls-Exterior: Yes: \_\_\_\_\_ No: x Rated Bearing Walls-Interior: Yes: \_\_\_\_\_ No: x (>30' Fire Separation) (Roof Supports Only)

Rated Nonbearing Walls-Exterior: Yes: \_\_\_\_\_ No: x Rated Nonbearing Walls-Interior: Yes: \_\_\_\_\_ No: x (10'-30' Fire Separation)

Rated Floor Construction: Yes: \_\_\_\_\_ No: x Rated Roof Construction: Yes: \_\_\_\_\_ No: x

Lighting Layout and COM Check? Yes: x No: \_\_\_\_\_

Comments: \_\_\_\_\_

### 1 PLAN ANALYSIS 1/4" = 1'-0"

FIRE SPRINKLER SYSTEM SHALL BE MODIFIED AS REQUIRED.

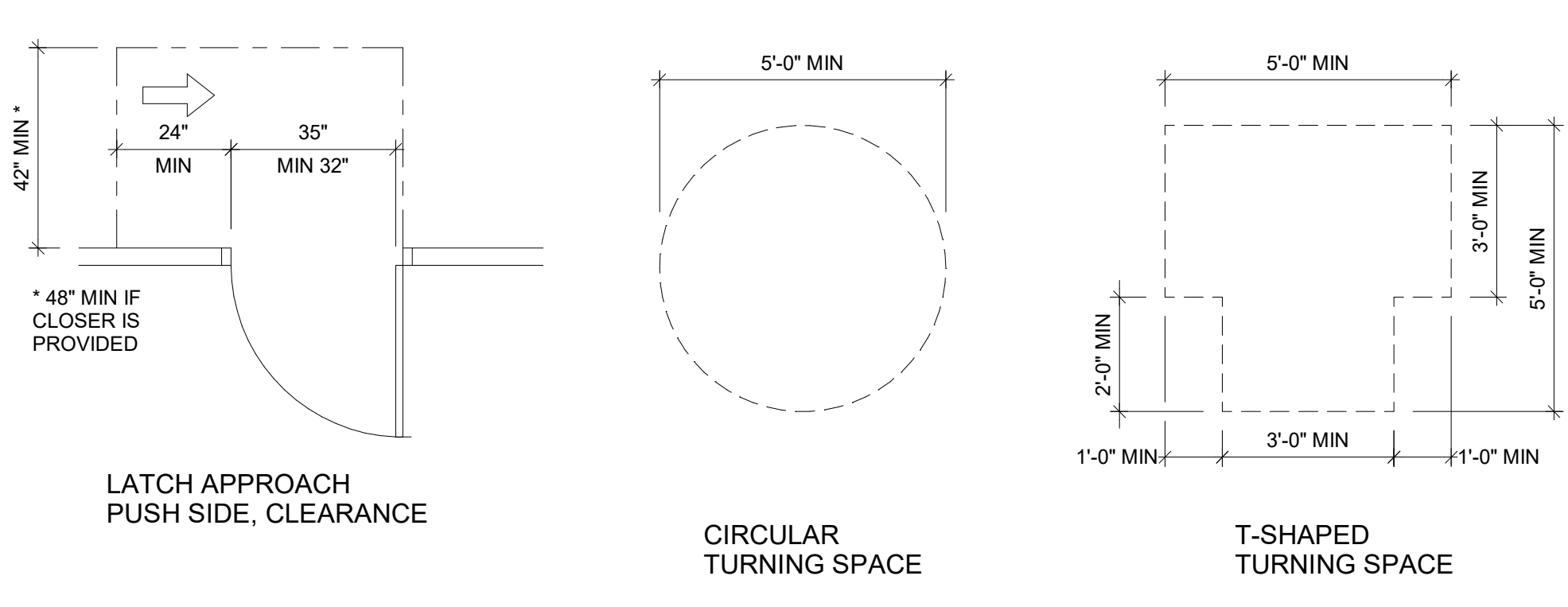
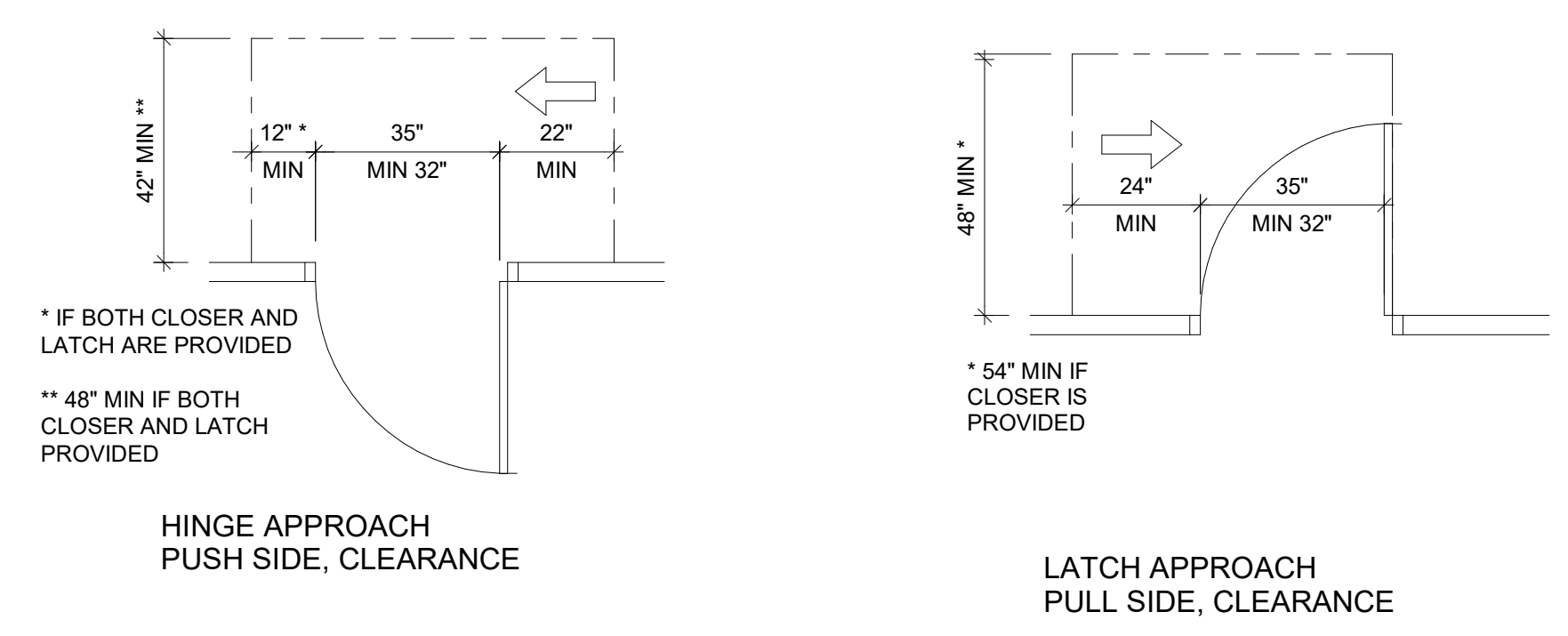
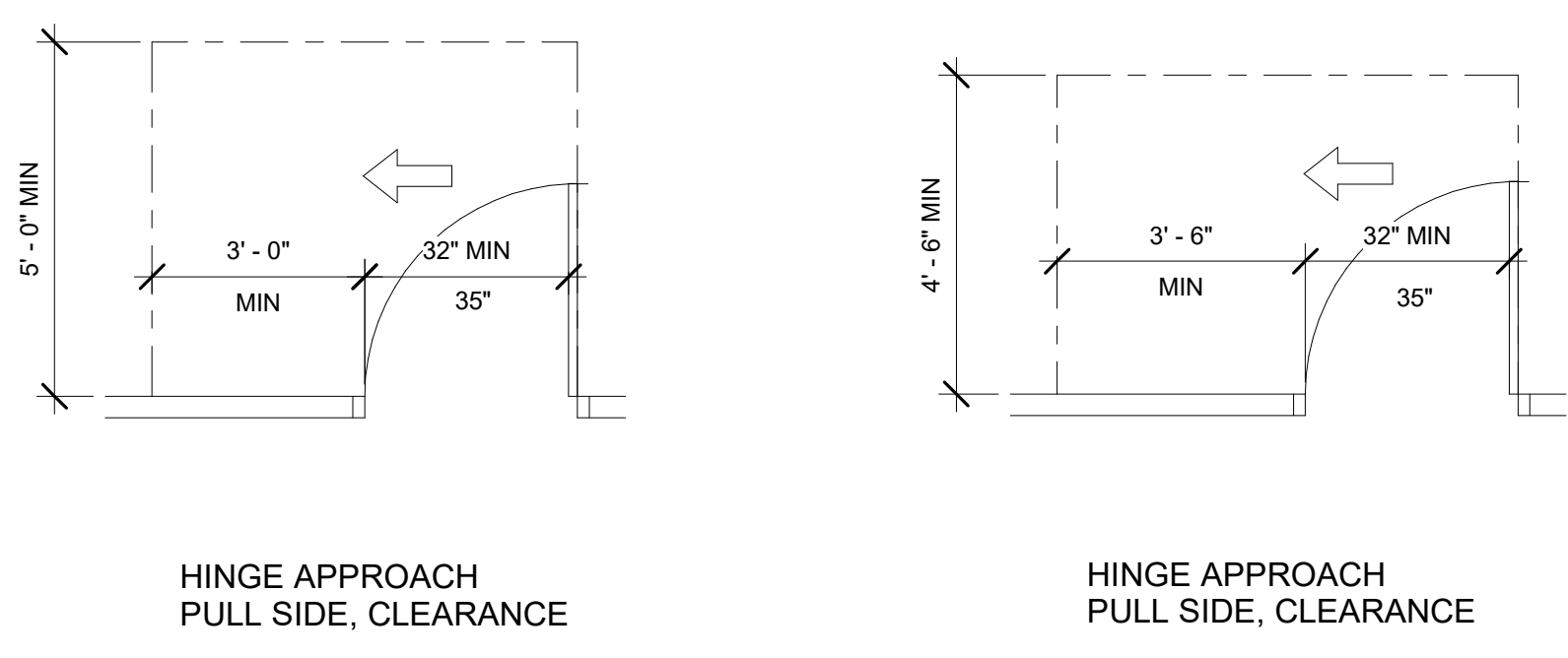
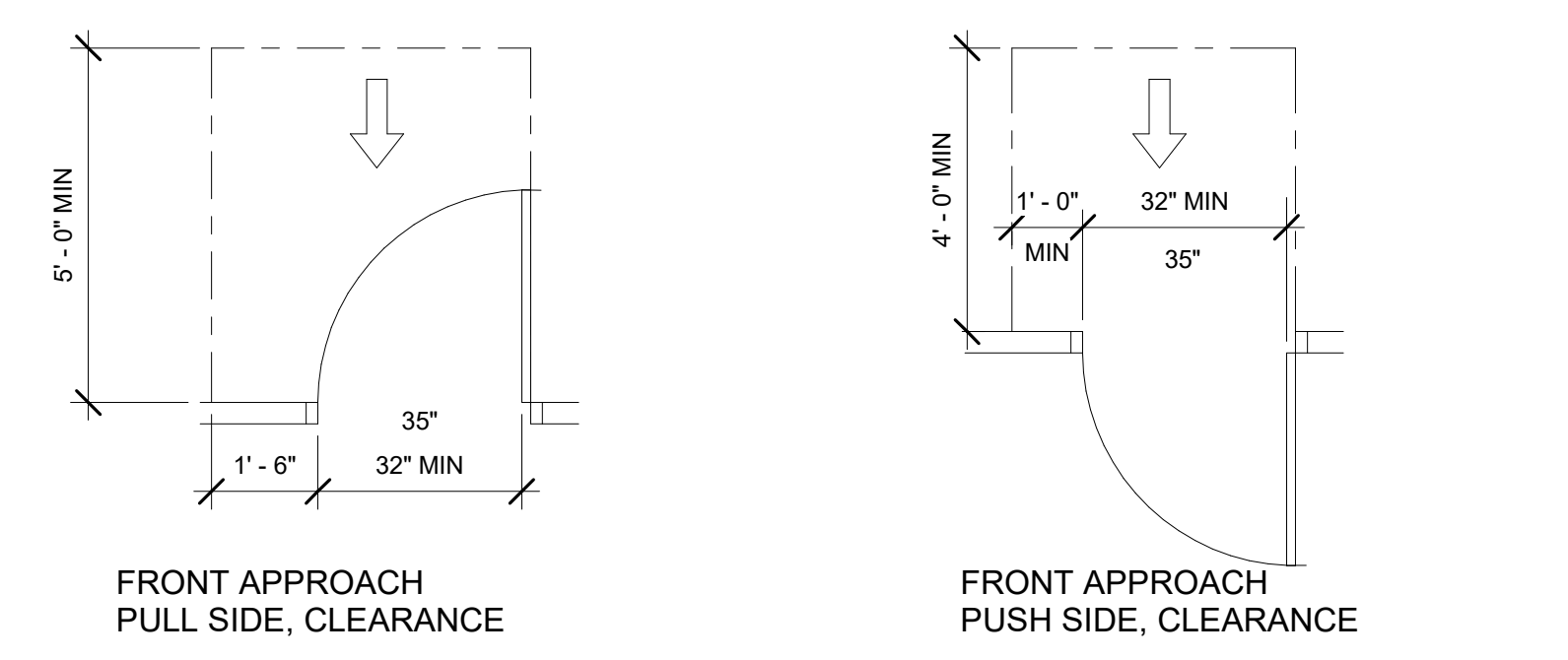
FIRE ALARM & DETECTION SYSTEM SHALL BE MODIFIED AS REQUIRED.

AN ADDITION FOR:  
KIMBERLY SCHOOL DISTRICT  
3682 N 3450 E, Kimberly, ID 83341  
TITLE SHEET

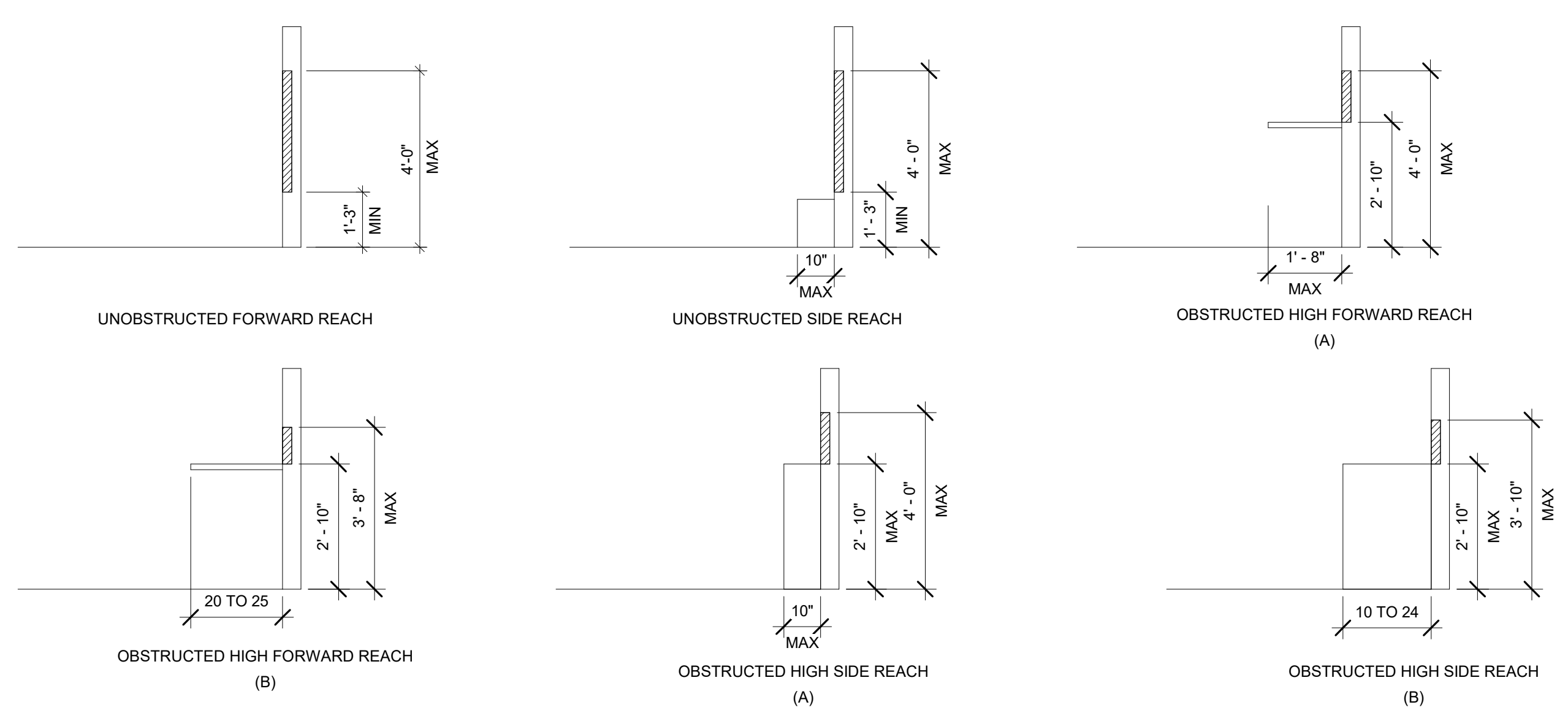
Laughlin Ricks Architecture  
architecture/planning  
134 3<sup>rd</sup> Ave East, \* Twin Falls, Idaho 83301  
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DATE: 10/8/2024  
NM RCR  
Drawn Checked  
#23067  
PROJECT #

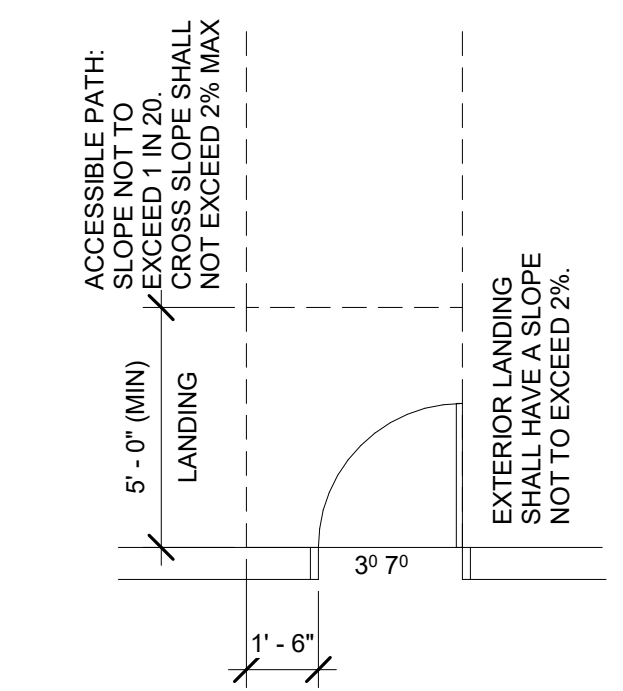
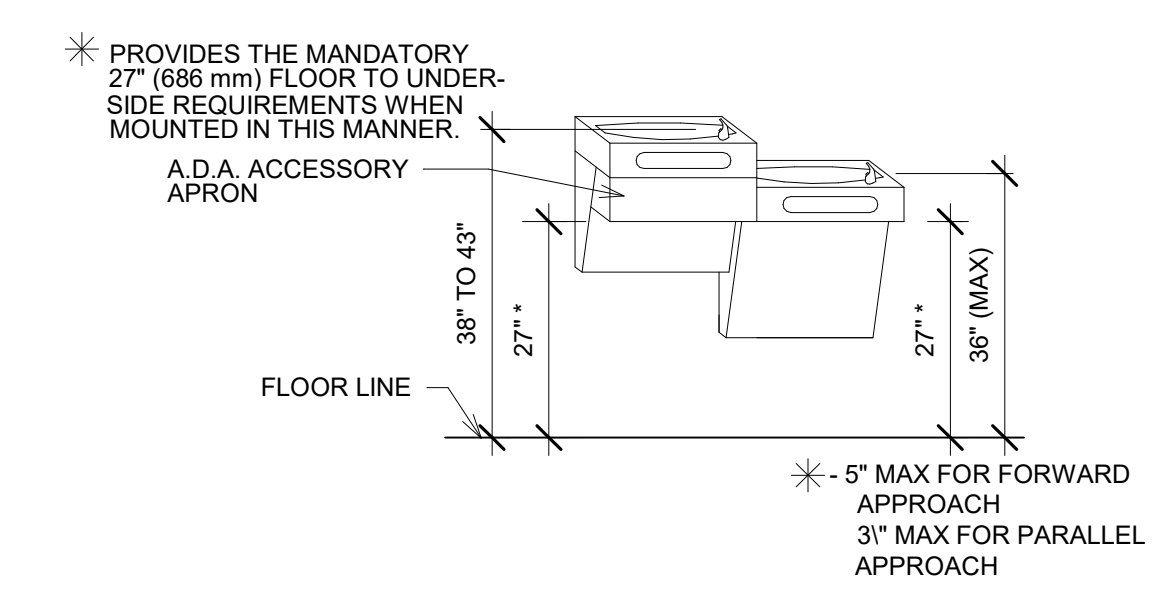
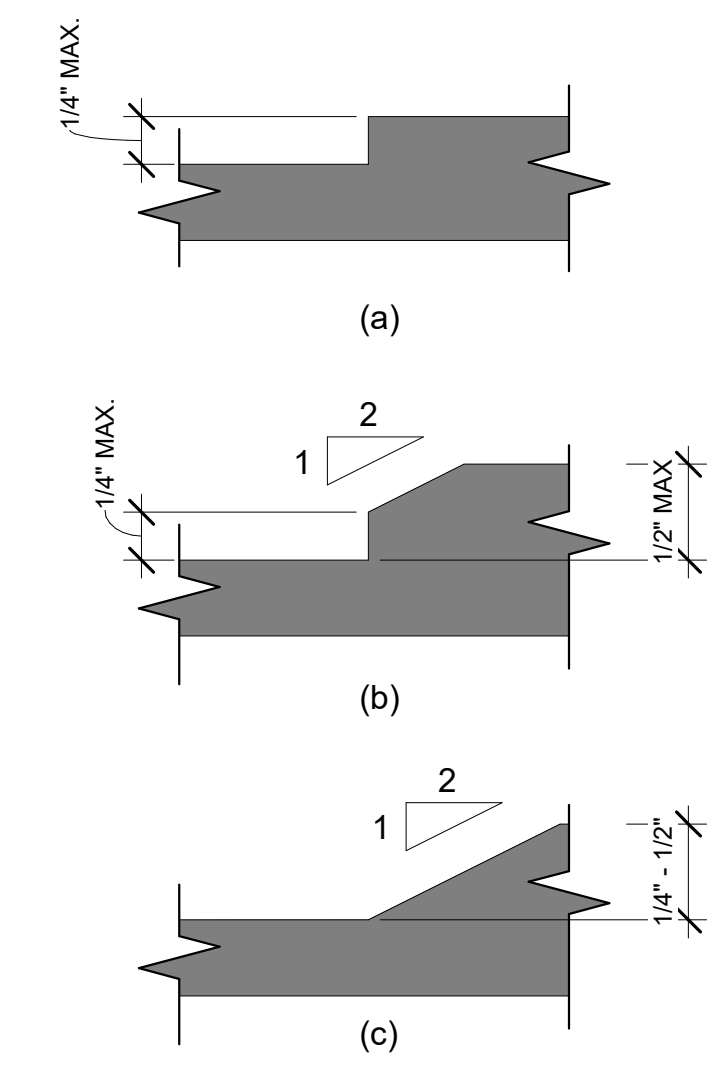
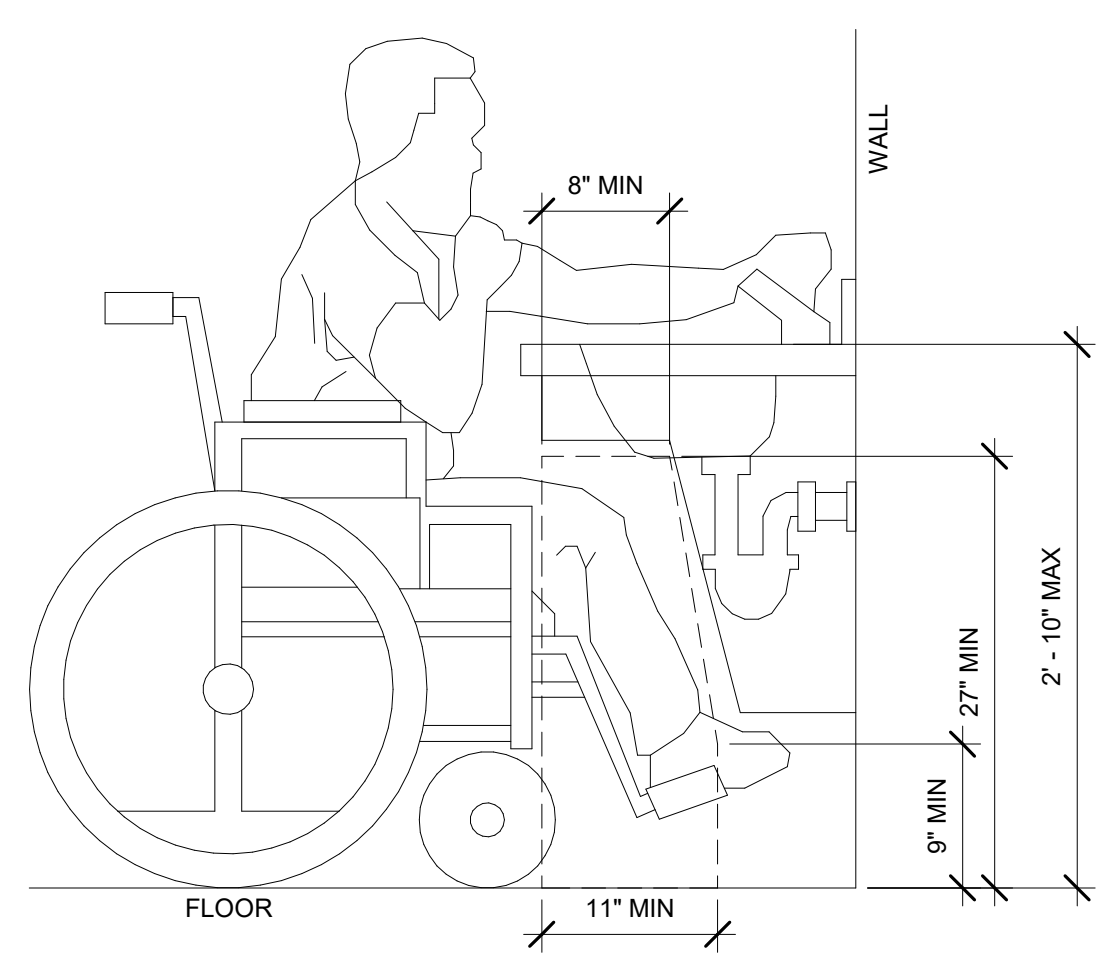
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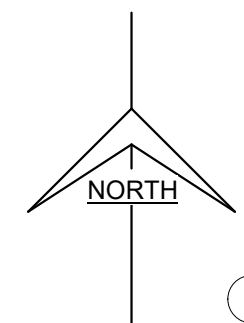


**1 DOOR CLEARANCE REQUIREMENTS**  
 3/8" = 1'-0"

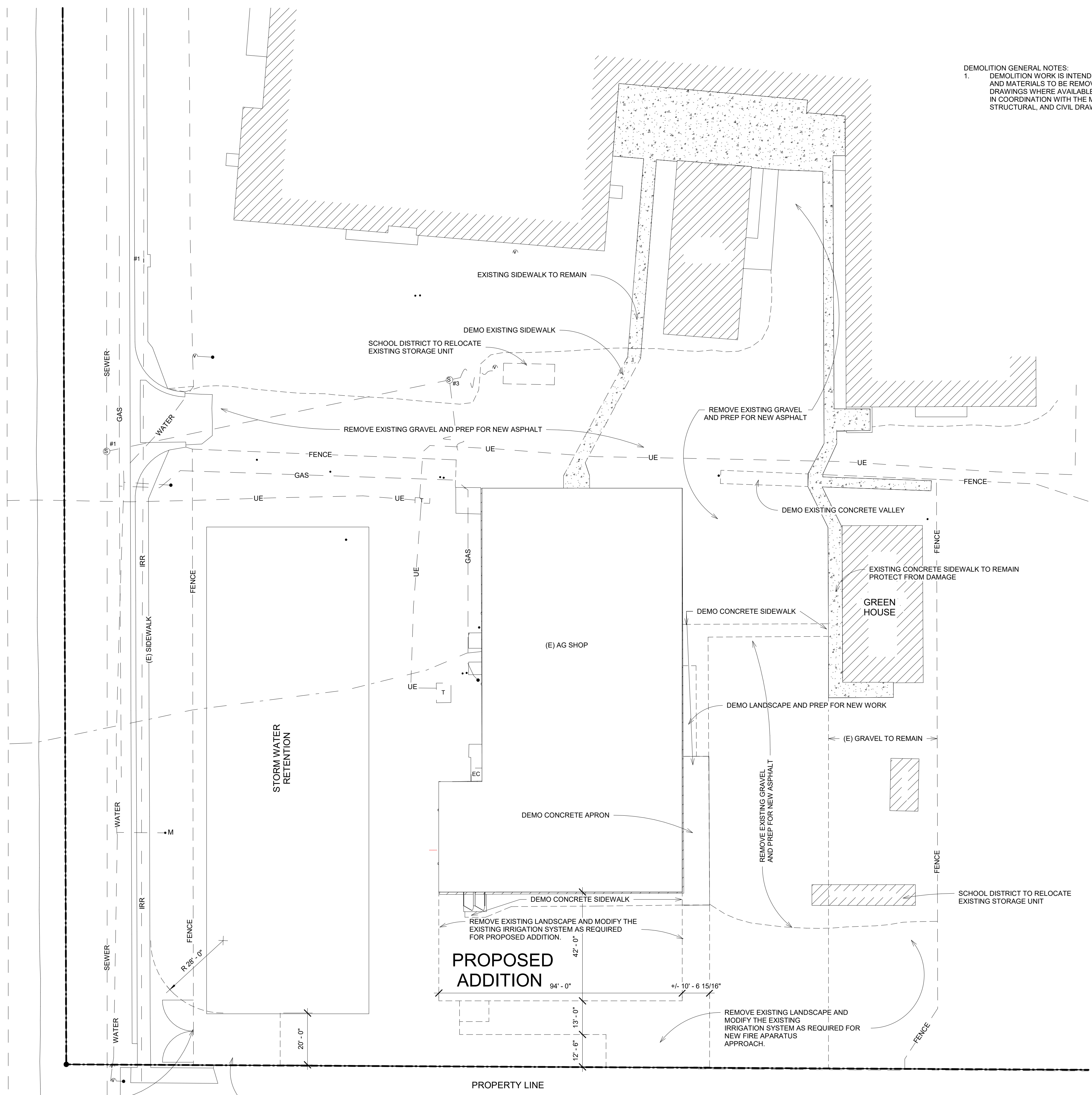


**4 OPERABLE PARTS & REACH RANGES**  
 3/8" = 1'-0"





1 DEMO SITE PLAN  
1" = 20'-0"



DEMOLITION GENERAL NOTES:  
1. DEMOLITION WORK IS INTENDED AS A GENERAL GUIDE. AREAS AND MATERIALS TO BE REMOVED ARE TAKEN FROM EXISTING DRAWINGS WHERE AVAILABLE. THIS DRAWING MUST BE USED IN COORDINATION WITH THE MECHANICAL, ELECTRICAL, STRUCTURAL, AND CIVIL DRAWINGS.

LICENSED ARCHITECT AR-985708  
*R. Colby Ricks*  
R. COLBY RICKS  
STATE OF IDAHO  
10/8/2024

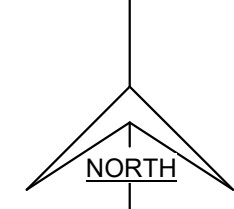
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AN ADDITION FOR:  
KIMBERLY SCHOOL DISTRICT  
3682 N 3450 E, Kimberly, ID 83341  
DEMOLITION SITE PLAN

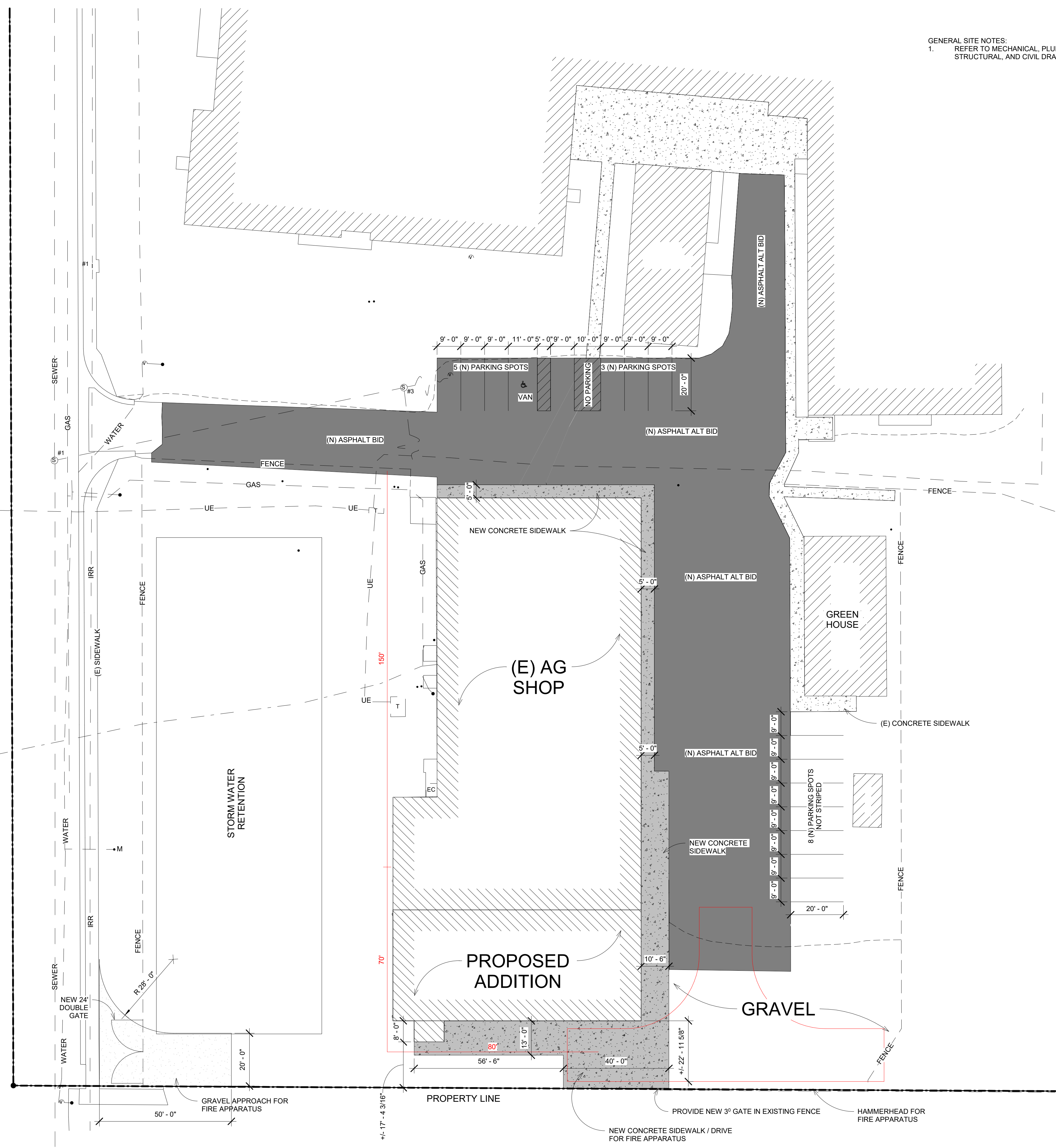
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architecture/planning  
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NM Draw RCR Checked  
#23067 PROJECT #

A0-2



1 NEW SITE PLAN  
1" = 20'-0"



GENERAL SITE NOTES:  
1. REFER TO MECHANICAL, PLUMBING, ELECTRICAL, STRUCTURAL, AND CIVIL DRAWINGS FOR ADDITIONAL WORK.

LICENSED ARCHITECT  
AR-985708  
*R. Colby Ricks*  
R. COLBY RICKS  
STATE OF IDAHO  
10/8/2024

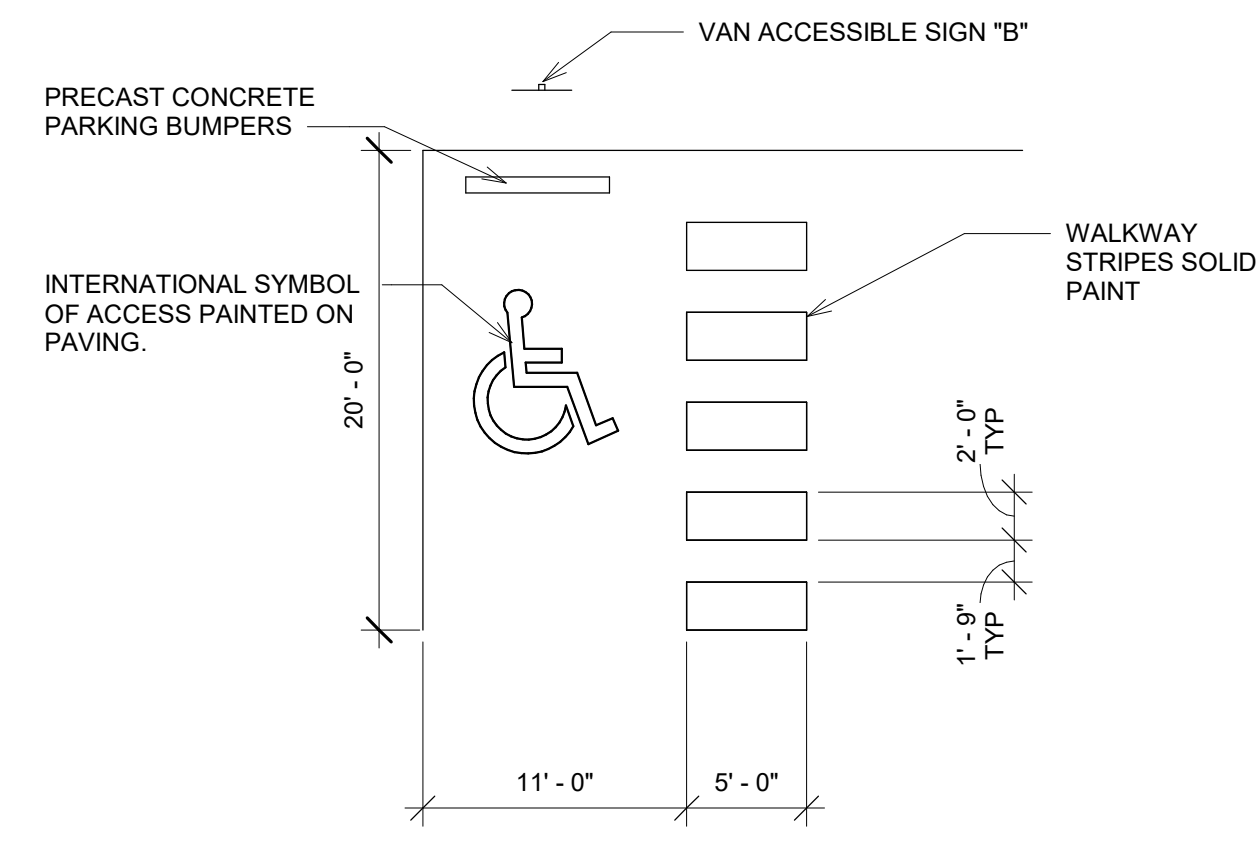
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AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
3682 N 3450 E, Kimberly, ID 83341  
**NEW SITE PLAN**

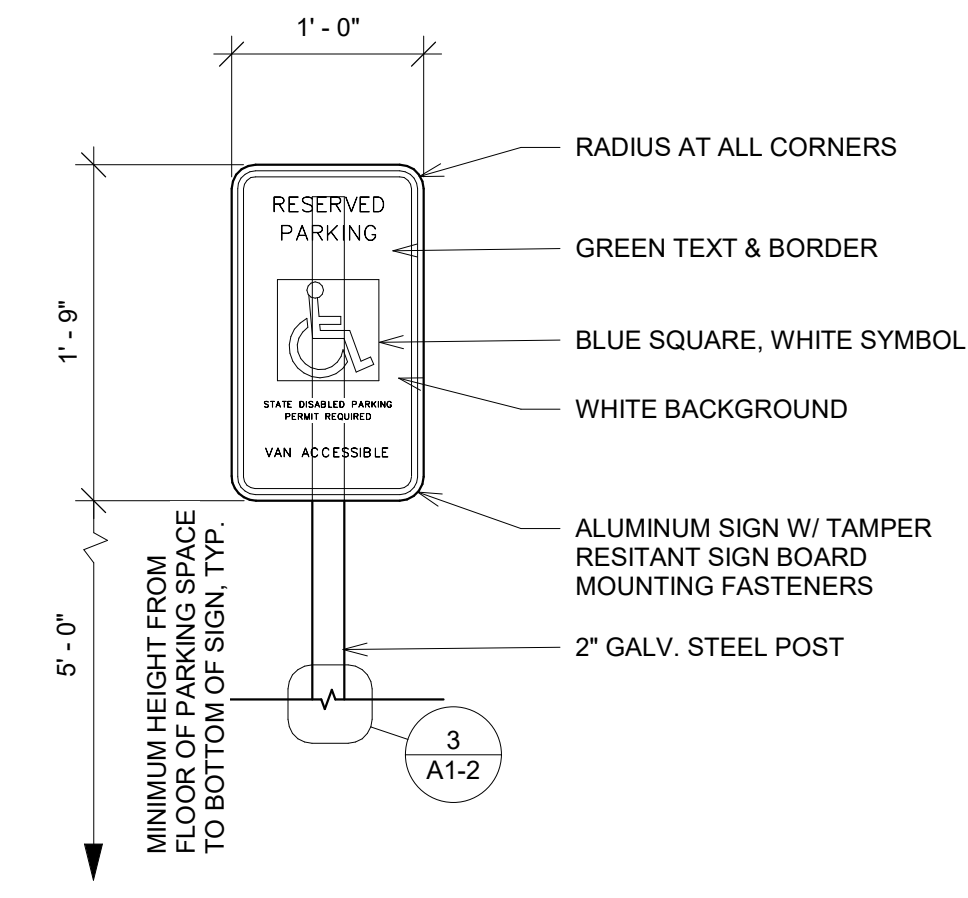
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PROJECT #

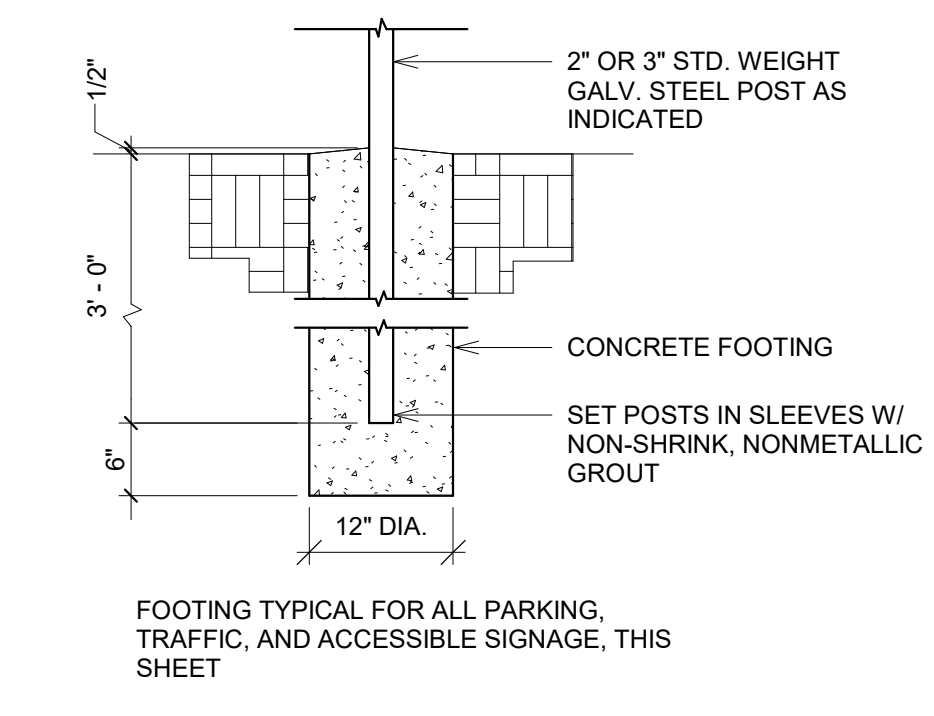
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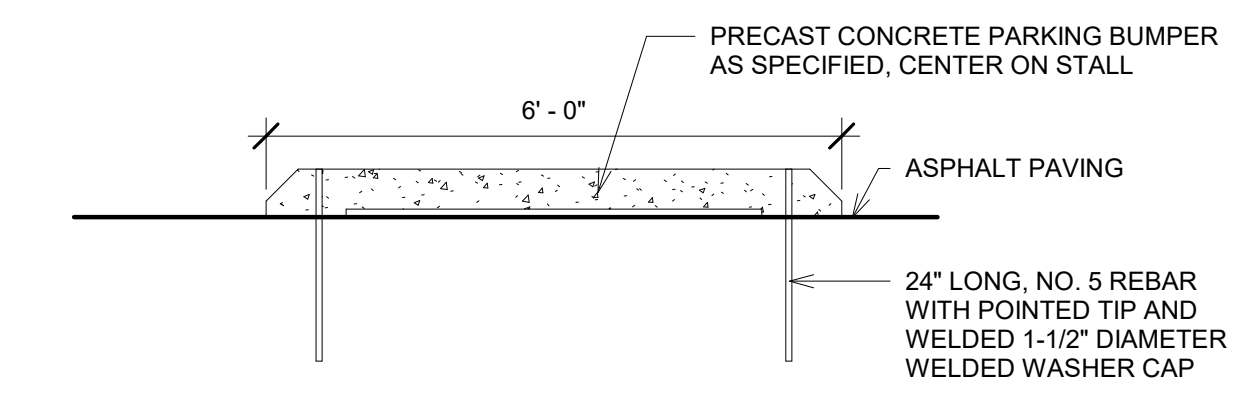
1 ACCESSIBLE PARKING STALLS  
1/8" = 1'-0"



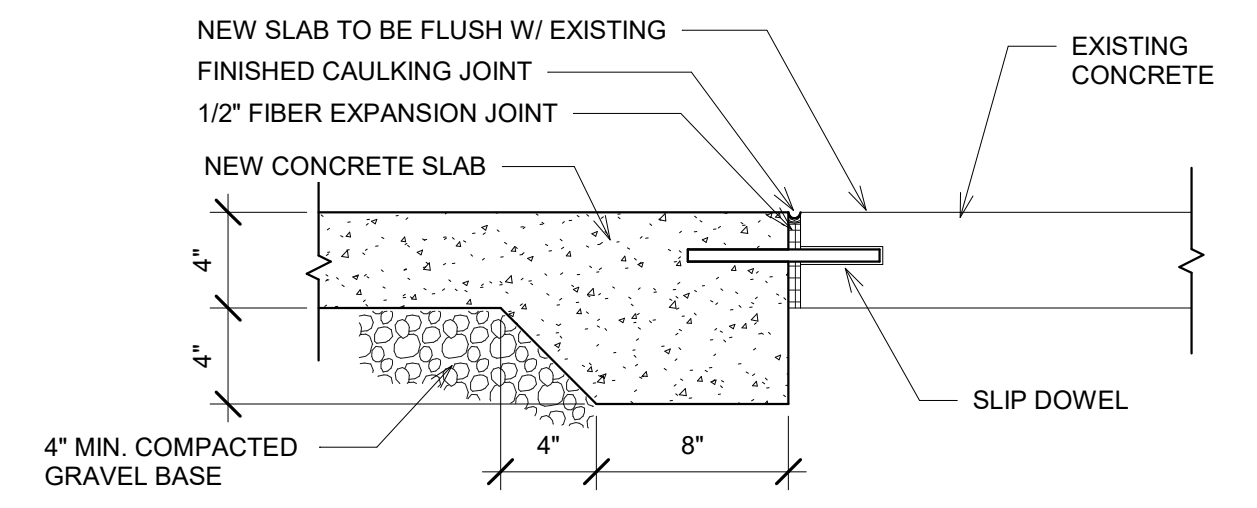
2 VAN ACCESSIBLE - SIGN "B"  
1" = 1'-0"



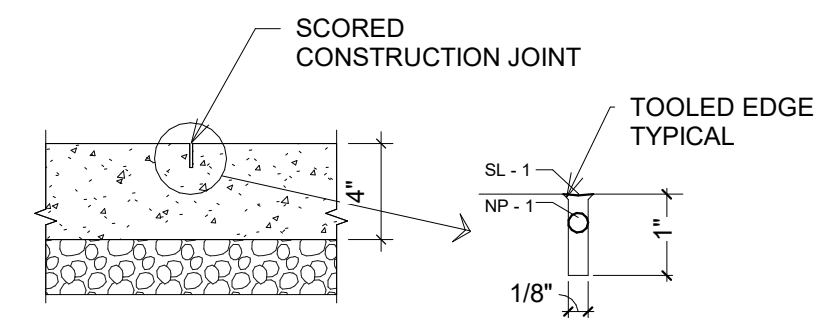
3 SIGN POST DETAIL  
3/4" = 1'-0"



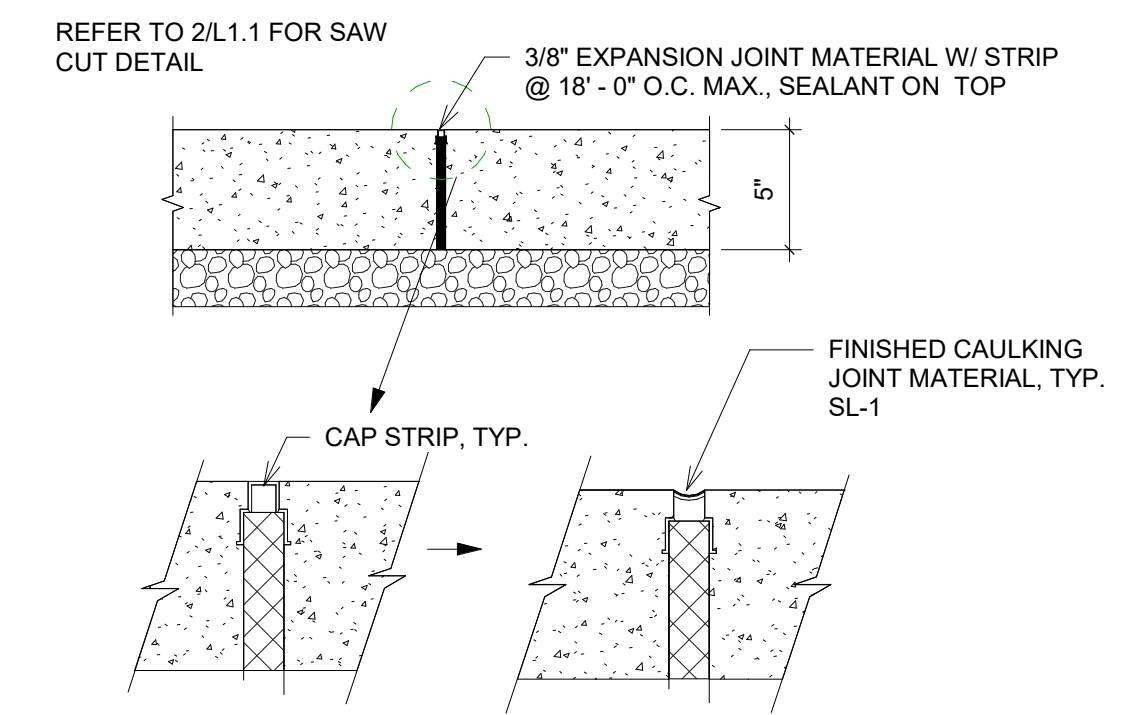
4 PRE-CAST CONC. BUMPER DETAIL  
1/2" = 1'-0"



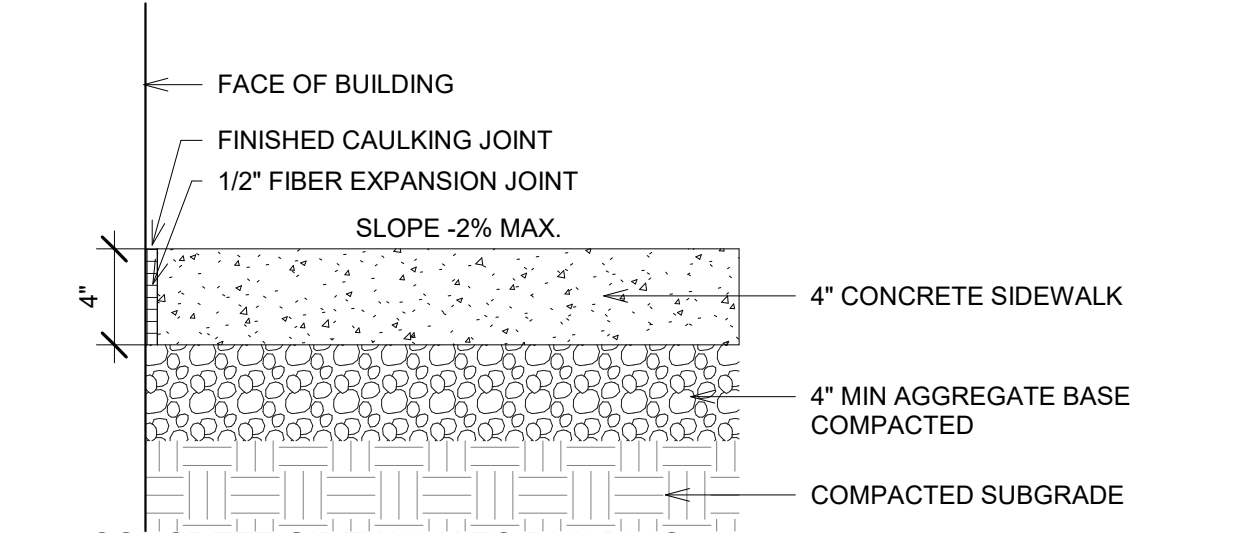
5 NEW CONCRETE TO EXISTING  
1 1/2" = 1'-0"



6 CONCRETE CONTROL JOINT  
1 1/2" = 1'-0"



7 CONCRETE EXPANSION JOINT  
1 1/2" = 1'-0"



8 CONCRETE SIDEWALK TO BUILDING WALL DETAIL  
1 1/2" = 1'-0"

DATE	

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
3682 N 3450 E, Kimberly, ID 83341  
SITE DETAILS

**Laughlin Ricks Architecture**  
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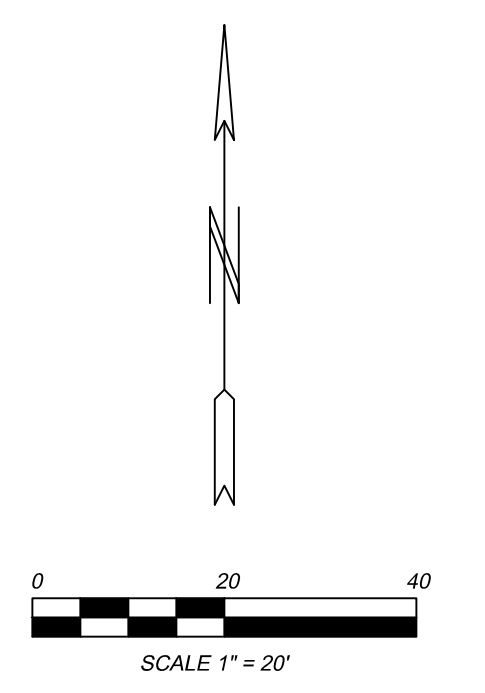
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#23067	
PROJECT #	

**UNDERGROUND UTILITY NOTE (North Portion)**

UNDERGROUND UTILITY LOCATES WERE PERFORMED BY IDAHO DIG LINE UTILITY LOCATES BY MARCH 13, 2024. MARKINGS BY SAID UTILITY LOCATE COMPANIES ARE SHOWN HEREON.

Information from the sources checked above was combined with observed evidence of utilities to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, Idaho Dig Line utility locate requests from surveyors may be ignored or result in an incomplete response. Where additional or more detailed information is required, the client is advised that excavation may be necessary.

The following companies were contacted by Idaho DigLine:  
 CableOne: No Response  
 CenturyLink: Fiber Optic markings shown hereon  
 City of Kimberly: Water, Sanitary Sewer & Irrigation markings shown hereon  
 Fatbeam LLC: No Response  
 Idaho Power: Underground Electric markings shown hereon  
 Intermountain Gas: Natural Gas markings shown hereon



**IRRIGATION MANHOLE**

IRMH #1 Lid Elevation = 3919.40'  
 12" Invert To South Elevation = 3916.95'  
 12" Invert To North Elevation = 3916.95'

**SANITARY SEWER MANHOLES**

SSMH #1 Lid Elevation = 3919.40'  
 12" Invert From South Elevation = 3903.75'  
 12" Invert To North Elevation = 3903.75'  
 6" Invert From East Elevation = 3904.75'

SSMH #2 Lid Elevation = 3921.03'  
 12" Invert From South Elevation = 3904.63'  
 12" Invert To North Elevation = 3904.63'

SSMH #3 Lid Elevation = 3920.24'  
 6" Invert From Northeast Elevation = 3911.64'  
 6" Invert From South Elevation = 3911.64'  
 6" Invert To Southwest Elevation = 3911.61'

- LEGEND**
- - - - - PROPERTY BOUNDARY LINES
  - - - - - CHAIN LINK FENCE
  - ⊙ - FOUND 1/2" DIAMETER REBAR
  - ⊙ - IRRIGATION MANHOLE
  - ICV - IRRIGATION CONTROL VALVE
  - ⊙ - SANITARY SEWER MANHOLE
  - ⊙ - SANITARY SEWER CLEANOUT
  - ⊙ - GREASE TRAP MANHOLE
  - CB - CATCH BASIN
  - GV - NATURAL GAS VALVE
  - GM - NATURAL GAS METER
  - TB - TELECOMMUNICATIONS BOX
  - FH #1 - FIRE HYDRANT
  - M - WATER METER
  - W - WATER VALVE
  - PP - POWER POLE
  - UC - UNDERGROUND CONDUIT (ROUTE UNKNOWN)
  - EM - ELECTRIC METER (WITH UNDERGROUND CONDUIT)
  - EC - ELECTRICAL CABINET
  - T - TRANSFORMER
  - EB - CONCRETE
  - AS - ASPHALT
  - GR - GRAVEL
  - GR - GRASS
  - BL - BUILDING

**BENCH MARKS**

BM#1 Northeast Bolt on Fire Hydrant #1 Labeled "Bury 4-6" N: 9219.87' E: 10060.57' EL: 3921.22'	BM#1 Northeast Bolt on Fire Hydrant #2 Labeled "Bury 4-0" N: 8940.16' E: 10026.25' EL: 3922.13'
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**VERTICAL DATUM NOTE**

The Vertical Datum used on this project is NAVD88.  
 Elevation Benchmark Utilized: T 422  
 PID: NV0867  
 Elevation: 3927.86'

SECTION 29  
**T. 10 S., R. 18 E., B.M.**  
 TWIN FALLS COUNTY, IDAHO

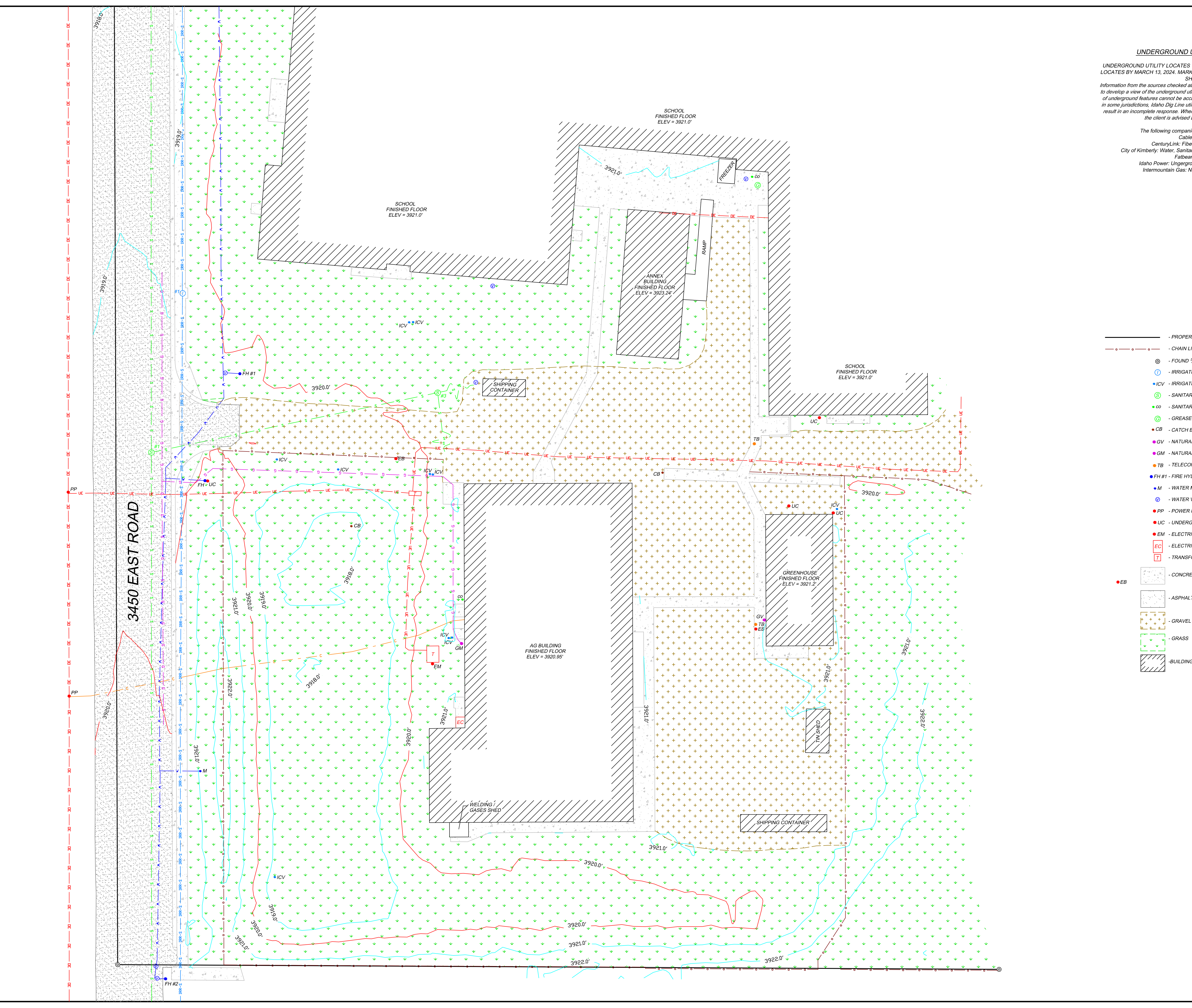
LIMITED TOPOGRAPHIC SURVEY  
 for  
**LAUGHLIN - RICKS ARCHITECTURE**

**DESERT WEST LAND SURVEYS, P.C.**

2020 OVERLAND AVENUE BURLEY, IDAHO 83318 208-678-7112  
 JOB NO: 16203-24D1 DRAWN BY: T. RENO  
 DATE: MARCH 15, 2024 © Desert West Land Surveys, P.C.

NINGYAN MOOSMAN  
 KIMBERLY HS AG SHOP

PROFESSIONAL LAND SURVEYOR  
 IDAHO  
 MARCH 5, 2024  
 15351  
 TREVOR RENO



# CIVIL IMPROVEMENT DRAWINGS FOR AN ADDITION FOR KIMBERLY SCHOOL DISTRICT

LOCATED IN A PORTION OF THE NW 1/4 OF THE NE 1/4  
OF SECTION 29, T.10S, R.18E, B.M.  
CITY OF KIMBERLY, TWIN FALLS COUNTY, IDAHO

### GENERAL CONSTRUCTION NOTES

- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MAY OCCUR BY FAILURE TO EXACTLY LOCATE AND PROTECT ALL UTILITIES. CALL DIGLINE INC AT 811 OR 208-342-1555, BEFORE COMMENCING UNDERGROUND WORK.
- ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPCW).
- THE CONTRACTOR(S) SHALL REMOVE ALL OBSTRUCTIONS ABOVE AND BELOW GROUND REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS WORK INCLUDES CLEARING AND GRUBBING, WHICH INCLUDES CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY GROWTH OF GRASS AND/OR WEEDS, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND OTHER MATERIAL NOT SUITABLE FOR THE FOUNDATION OF PAVEMENTS AND OTHER STRUCTURES. ALL MATERIAL NOT SUITABLE FOR FUTURE USE ON-SITE SHALL BE DISPOSED OF OFF-SITE AT AN APPROVED LOCATION.
- THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND APPROVED.
- ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES AND TRAFFIC CONTROL AROUND AND WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN THAT IS IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCY OR AS SET FORTH WITHIN, WHICHEVER IS MOST RESTRICTIVE. PROOF THAT ALL MATERIALS USED ON THE PROJECT MEET THE REQUIREMENTS ABOVE MUST BE PROVIDED AT THE REQUEST OF THE AGENCY AND/OR THE ENGINEER.
- ALL UNDERGROUND UTILITIES AND SERVICE LINES SHALL BE INSTALLED PRIOR TO SITE PAVING OR STREET CONSTRUCTION.
- ALL COSTS OF RETESTING FOR PREVIOUSLY FAILED TESTS, IF REQUIRED, SHALL BE BACK CHARGED TO THE RESPONSIBLE CONTRACTOR BY THE OWNER.
- ALL COSTS INCURRED BY THE CONTRACTOR FOR CORRECTING DEFICIENT WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO PERFORMED THE WORK. FAILURE TO CORRECT DEFICIENT WORK WILL BE CAUSE FOR ISSUANCE OF A STOP WORK ORDER AND POSSIBLE TERMINATION.
- ALL WORK SUBJECT TO APPROVAL BY ANY POLITICAL AGENCY OR GOVERNING AGENCY MUST BE APPROVED PRIOR TO (I) PLACING OF CONCRETE, (II) PLACING OF AGGREGATE BASE, (III) PLACING OF ASPHALT PAVING, (IV) BACKFILLING TRENCHES. WORK PERFORMED WITHOUT SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK TO THE REQUIRED STANDARDS.
- ONLY PLANS APPROVED FOR CONSTRUCTION BY THE CITY AND SIGNED BY THE ENGINEER SHALL BE USED FOR PROJECT CONSTRUCTION. THE CONTRACTOR IS TO ENSURE THAT THE LATEST REVISIONS OF CONSTRUCTION DRAWINGS ARE USED. CONTACT ENGINEER AT 208-466-8181 FOR VERIFICATION PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL HAVE THE COMPLETE SET OF APPROVED PLANS ON SITE AT ALL TIMES DURING ACTIVE CONSTRUCTION.
- WHEN DISCREPANCIES OCCUR BETWEEN THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. UNTIMELY NOTIFICATION SHALL NULLIFY ANY CONTRACTOR'S CLAIM FOR ORIGINAL COMPENSATION.
- THE CONTRACTOR SHALL FIELD VERIFY TEMPORARY BENCHMARKS & PAVEMENT MATCH LOCATIONS. NOTIFY ENGINEER OF ANY CONFLICTS.
- CONTRACTOR SHALL REPAVE TO EXISTING GRADES ANY PAVED AREAS DISTURBED BY CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COMPACTION TESTS FOR SUBGRADE AND PAVEMENT.
- CONTRACTOR SHALL OBTAIN ALL APPLICABLE CONSTRUCTION PERMITS.
- TOPOGRAPHICAL SURVEY AND SITE LAYOUT INFORMATION PROVIDED BY DESERT WEST LAND SURVEYS (2024).
- PROPOSED AND EXISTING ELEVATIONS ARE BASED UPON INFORMATION OBTAINED FROM THE TOPOGRAPHIC SURVEY.
- ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES, AND SAFETY WITHIN AND AROUND THE CONSTRUCTION AREA.
- ALL OWNERS AND CONTRACTORS INTENDING TO DISTURB ONE ACRE OR MORE OF GROUND AS PART OF CONSTRUCTION ACTIVITIES SHALL DO THE FOLLOWING:
  - FILE A NOTICE OF INTENT (NOI) WITH EPA'S CONSTRUCTION GENERAL PERMIT (CGP).
  - PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
  - INSTALL SIGNAGE PER THE CGP.
  - MAINTAIN ON-SITE COPIES OF THE NOI, CGP, AND SWPPP.
  - COMPLY WITH REQUIREMENTS OF CGP AND SWPPP INCLUDING DOCUMENTING THAT ALL INSPECTIONS AND MONITORING HAVE BEEN PERFORMED.
  - FILE A NOTICE OF TERMINATION (NOT) WHEN ON-SITE WORK IS COMPLETE AND PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND FUNCTIONING.

### WATER NOTES

- THERE ARE NO PROPOSED CHANGES TO THE EXISTING WATER SERVICES TO THE BUILDING.
- THE HORIZONTAL SEPARATION OF POTABLE WATER MAINS AND NON-POTABLE WATER MAINS (SANITARY SEWER, STORM DRAIN, AND IRRIGATION) SHALL BE A MINIMUM OF TEN (10) FEET, WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16).
- THE HORIZONTAL SEPARATION OF NON-POTABLE SERVICES AND POTABLE WATER SERVICES OR POTABLE WATER MAINS SHALL BE A MINIMUM OF SIX (6) FEET, WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16).

### SEWER NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPCW).
- FINAL APPROVAL AND ACCEPTANCE OF ALL SEWER CONSTRUCTION WILL BE BY THE CITY.
- SEWER PIPE WITH COVER OF GREATER THAN 3 FEET, SHALL BE BELL AND SPIGOT, POLYVINYL CHLORIDE (PVC), SDR 35, ASTM D-3034, A RUBBER RING IS TO BE INSTALLED WHERE THE PIPE IS IN CONTACT WITH THE MANHOLE BASE AND/OR ITS CHANNEL, IN ORDER TO ENSURE A WATERTIGHT SEAL.
- THE CONTRACTOR SHALL NOTIFY THE CITY (OR APPLICABLE PLUMBING INSPECTOR) PRIOR TO CONSTRUCTION AND FOR SCHEDULING INSPECTIONS. PLEASE ALLOW A MINIMUM OF 48 HOURS TO SCHEDULE INSPECTIONS.
- SEWER SERVICES SHALL BE CONNECTED TO NEW MAINS USING A TEE OR WYE IN ACCORDANCE WITH ISPCW. SEWER SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING IMPROVEMENTS.
- THE HORIZONTAL SEPARATION OF POTABLE WATER MAINS AND NON-POTABLE WATER MAINS (SANITARY SEWER, STORM DRAIN, AND IRRIGATION) SHALL BE A MINIMUM OF TEN (10) FEET, WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16).
- THE HORIZONTAL SEPARATION OF NON-POTABLE SERVICES AND POTABLE WATER SERVICES OR POTABLE WATER MAINS SHALL BE A MINIMUM OF SIX (6) FEET, WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16).
- GROUNDWATER LEVELS SHALL BE MAINTAINED BELOW THE BOTTOM OF THE TRENCH DURING PIPE LAYING AND THE PIPE JOINING OPERATIONS AND WHILE MAKING SEWER TAPS. THE DEWATERING METHOD SHALL BE DISCUSSED WITH THE ENGINEER AND APPROVED PRIOR TO CONSTRUCTION. DITCHES AND STORM DRAIN FACILITIES THAT ARE SILTED DUE TO THE CONTRACTOR'S DEWATERING SHALL BE CLEANED AND RESTORED TO THEIR ORIGINAL STATE.
- TRENCH EXCAVATION AND TRENCH BACKFILL SHALL BE PERFORMED IN ACCORDANCE WITH ISPCW SECTION 300.
- THE CONTRACTOR MUST OBTAIN ALL REQUIRED PERMITS BEFORE BEGINNING WORK.

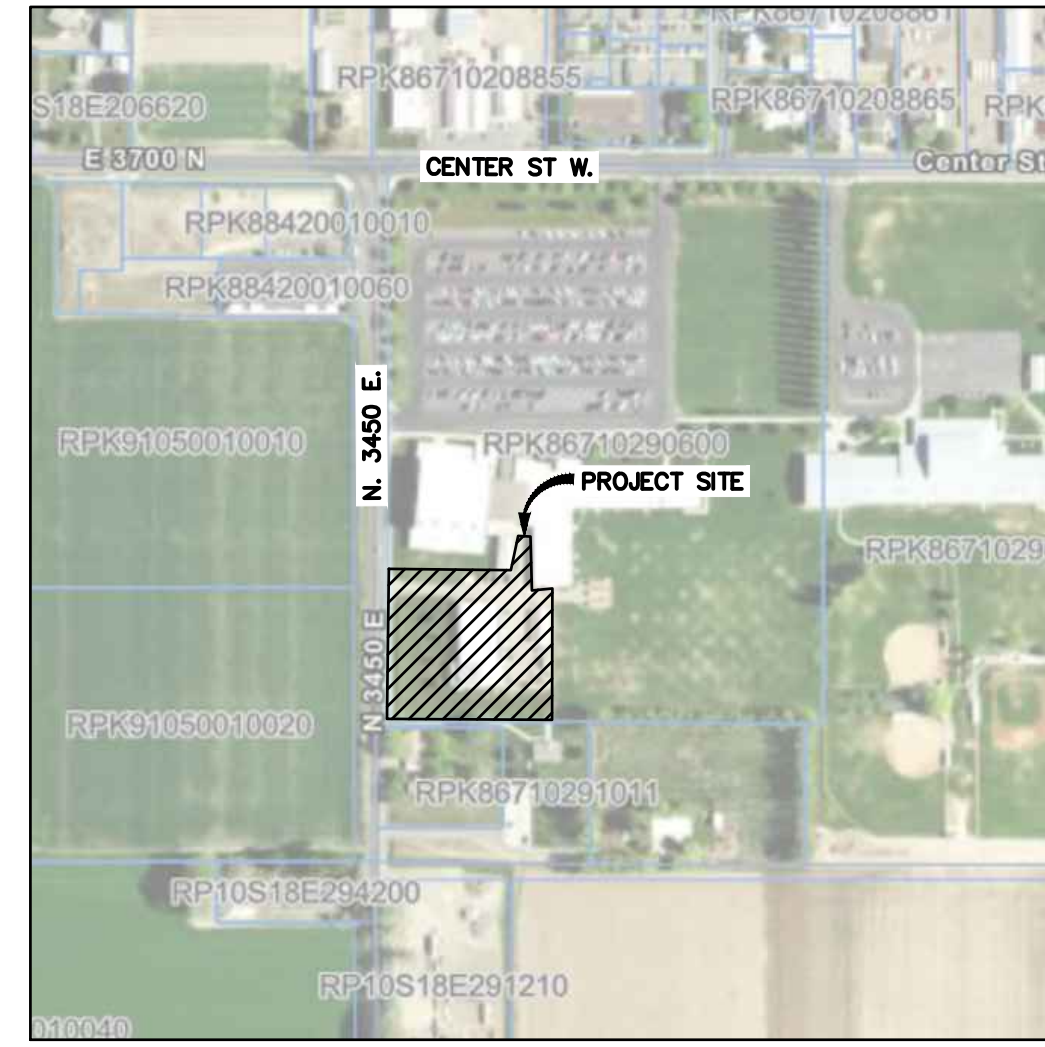
### STORM DRAIN NOTES

- THE CONTRACTOR SHALL HAVE PLANS THAT WERE APPROVED FOR CONSTRUCTION BY CITY ON SITE AT ALL TIMES.
- ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE DESIGN ENGINEER AND THE CITY.
- STORMWATER RUNOFF WILL CONTINUE TO BE MANAGED IN THE EXISTING SWALE LOCATED ON THE WEST SIDE OF THE EXISTING BUILDING.

### DATUM AND BENCHMARKS

- TOPOGRAPHIC SURVEY AND MAPPING PREPARED BY DESERT WEST LAND SURVEYS (2024).
- VERTICAL DATUM IS THE NAVD 88 DATUM.
- TEMPORARY BENCHMARK LOCATIONS AND ELEVATIONS FOR THE SITE INCLUDE THE FOLLOWING:

TBM	Northing	Easting	Elevation	Description
1	9219.87	10080.57	3921.22	NE BOLT ON FH
2	8940.16	10026.25	3922.13	NE BOLT OF FH



**VICINITY MAP**  
3682 N. 3450 E. - KIMBERLY, IDAHO  
N.T.S.

### SITE INFORMATION

PROJECT: AN ADDITION FOR KIMBERLY SCHOOL DISTRICT  
ADDRESS: 3682 N. 3450 E.  
KIMBERLY, IDAHO 83341  
PARCEL NO.: RPK86710290600  
LEGAL: LOCATED IN A PORTION OF THE NW 1/4 OF THE NE 1/4 OF SECTION 29, T.10S, R.18E, BOISE MERIDIAN CITY OF KIMBERLY, TWIN FALLS COUNTY, IDAHO.

### ENGINEER OF RECORD INFORMATION

ASPEN ENGINEERS, CHARTERED  
1619 N. LINDER RD, SUITE 110  
KUNA, IDAHO 83634  
CONTACT:  
LANCE WARNICK, PE  
208-466-8181  
lance@AspenEngineers.com

### CIVIL DRAWING INDEX

1. CIVIL NOTES AND LEGEND	C1.1
2. SEWER SERVICE AND STORM DRAIN PLAN	C2.1
3. STORM DRAIN DETAILS	C3.1
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6. SITE GRADING DETAILS	C6.1

LEGEND		PROPERTY LINE
EXISTING	PROPOSED	
---	---	LOT LINE
---	---	CENTERLINE
---	---	SECTION LINE
---	---	EASEMENT
EP	EP	EDGE OF PAVEMENT
EG	EG	EDGE OF GRAVEL
UG	UG	UNDERGROUND GAS LINE
W	W	WATER LINE
WS	WS	WATER SERVICE LINE
S	S	SEWER MAIN LINE
SS	SS	SEWER SERVICE LINE
SD	SD	STORM DRAIN LINE
OH	OH	OVERHEAD POWER
UP	UP	UNDERGROUND POWER
UT	UT	UNDERGROUND TELEPHONE
FL	FL	FLOW LINE
GB	GB	GRADE BREAK
GC	GC	GRADE CHANGE
TB	TB	TOP OF BANK
TOE	TOE	TOE OF SLOPE
PI	PI	PRESSURE IRRIGATION LINE
IRR	IRR	GRAVITY IRRIGATION LINE
O	O	CHAIN LINK FENCE
□	□	WOOD FENCE
■	■	VINYL FENCE
X	X	WIRE FENCE
---	---	CONTOUR
○	○	SEWER MANHOLE
○	○	WATER BIBB/FAUCET
○	○	SEWER SERVICE MARKER
○	○	CLEANOUT
○	○	FIRE HYDRANT
○	○	WATER WELL
○	○	WATER METER
○	○	WATER SERVICE
○	○	WATER VALVE
○	○	BLOW-OFF ASSEMBLY & VAULT
○	○	TEMPORARY BLOW-OFF
○	○	PRESSURE IRRIGATION DRAIN
○	○	PIPE END CAP
○	○	PIPE ADAPTER
○	○	FITTINGS W/THRUST BLOCK
○	○	STORM MANHOLE
○	○	STORM DRAIN CATCH BASIN
○	○	STORM DRAIN DROP INLET
○	○	SAND AND GREASE TRAP
○	○	AIR RELEASE VALVE
○	○	IRRIGATION BOX
○	○	IRRIGATION MANHOLE
○	○	UTILITY POLE
○	○	POLE ANCHOR
○	○	ELECTRICAL BOX
○	○	LIGHT POLE
○	○	TELEPHONE RISER
○	○	GAS METER/MARKER
○	○	GAS RISER
○	○	CABLE TV RISER
○	○	MAILBOX
○	○	SIGN
○	○	BARRICADE
○	○	DECIDUOUS/CONIFER TREE
○	○	LOT NUMBER
○	○	DETAIL NUMBER
○	○	SHEET NUMBER
○	○	GRADE & DIRECTION OF FLOW

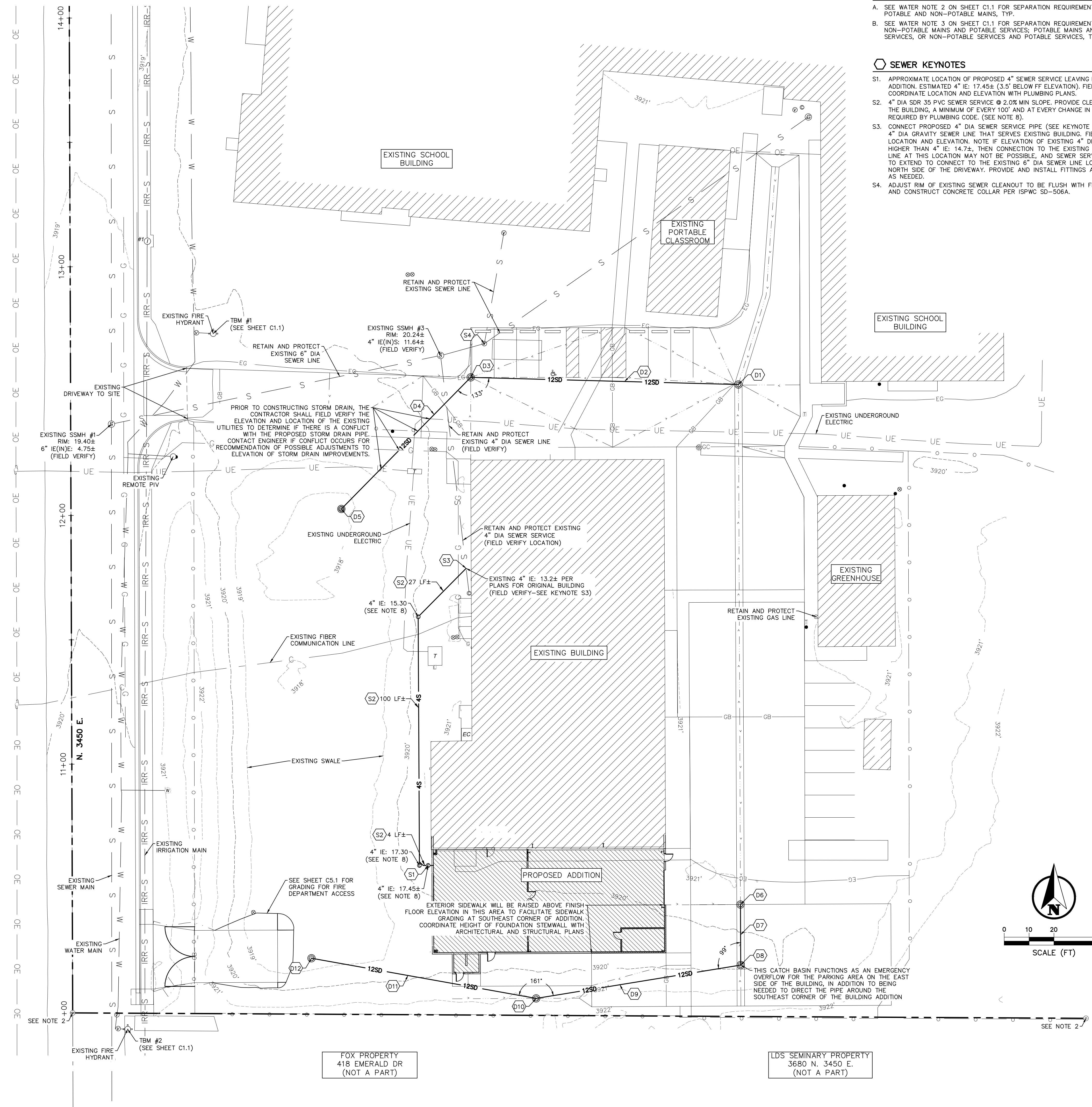
NOTE: THIS IS A TYPICAL LINE AND SYMBOL LEGEND AND MAY NOT APPLY TO ALL PROJECTS.

ABBREVIATIONS		
AC	H	ROW
ASPHALT ELEVATION	HEIGHT	RIGHT-OF-WAY
BFF	IE	SDR
BELOW FINISH FLOOR	INVERT ELEVATION	STD DIMENSION RATIO
BGS	L	STA
BELOW GROUND SURFACE	LENGTH	STATION
BOW	LF	STD
BACK OF WALK	LINEAR FEET	STANDARD
CB	LIP	TB
CATCH BASIN	LIP OF GUTTER	THRUST BLOCK
CF	MDD	TBC
CUBIC FEET	MODIFIED DRY DENSITY	TOP BACK ROLLED CURB
CON	ME	TBM
CONCRETE ELEVATION	MATCH EXISTING	TEMPORARY BENCHMARK
CFS	MIN	TBVC
CUBIC FEET PER SECOND	MINIMUM	TOP BACK VERTICAL CURB
DIA	MJ	TOC
DIAMETER	MECHANICAL JOINT	TOP OF CURB
EG	NTS	TOG
EXISTING GRADE	NOT TO SCALE	TOP OF GRATE
EP	PC	TOW
EDGE OF PAVEMENT	POINT OF CURVATURE	TOP OF WALK
FL	PRC	TYP
FLOW LINE	POINT OF REVERSE CURV	TYPICAL
FLG	PT	W
FLANGE	POINT OF TANGENCY	WIDTH
GB	PUE	WALL
GRADE BREAK	PUBLIC UTILITY EASEMENT	TOP OF RETAINING WALL
GC	PVI	
GRADE CHANGE	POINT OF VERTICAL INTER	
GWT	R	
GROUNDWATER TABLE	RADIUS	



DATE: 10/07/2024  
BRW LBW  
Drawn Checked

**C1.1**  
1 of 6



**POTABLE/NON-POTABLE SEPARATION KEYNOTES**

- A. SEE WATER NOTE 2 ON SHEET C1.1 FOR SEPARATION REQUIREMENTS BETWEEN POTABLE AND NON-POTABLE MAINS, TYP.
- B. SEE WATER NOTE 3 ON SHEET C1.1 FOR SEPARATION REQUIREMENTS BETWEEN NON-POTABLE MAINS AND POTABLE SERVICES; POTABLE MAINS AND NON-POTABLE SERVICES, OR NON-POTABLE SERVICES AND POTABLE SERVICES, TYP.

**SEWER KEYNOTES**

- S1. APPROXIMATE LOCATION OF PROPOSED 4" DIA SEWER SERVICE LEAVING BUILDING ADDITION. ESTIMATED 4" IE: 17.45± (3.5' BELOW FF ELEVATION). FIELD VERIFY AND COORDINATE LOCATION AND ELEVATION WITH PLUMBING PLANS.
- S2. 4" DIA SDR 35 PVC SEWER SERVICE @ 2.0% MIN SLOPE. PROVIDE CLEANOUTS OUTSIDE THE BUILDING, A MINIMUM OF EVERY 100' AND AT EVERY CHANGE IN DIRECTION REQUIRED BY PLUMBING CODE. (SEE NOTE 8).
- S3. CONNECT PROPOSED 4" DIA SEWER SERVICE PIPE (SEE KEYNOTE S2) TO EXISTING 4" DIA GRAVITY SEWER LINE THAT SERVES EXISTING BUILDING. FIELD VERIFY LOCATION AND ELEVATION. NOTE IF ELEVATION OF EXISTING 4" DIA PIPE IS HIGHER THAN 4" IE: 14.7±, THEN CONNECTION TO THE EXISTING 4" DIA SEWER LINE AT THIS LOCATION MAY NOT BE POSSIBLE, AND SEWER SERVICE MAY NEED TO EXTEND TO CONNECT TO THE EXISTING 6" DIA SEWER LINE LOCATED ON THE NORTH SIDE OF THE DRIVEWAY. PROVIDE AND INSTALL FITTINGS AND MATERIALS AS NEEDED.
- S4. ADJUST RIM OF EXISTING SEWER CLEANOUT TO BE FLUSH WITH FINISHED GRADE AND CONSTRUCT CONCRETE COLLAR PER ISWPC SD-506A.

**NOTES**

- 1. SEE SHEET C1.1 FOR ADDITIONAL NOTES, LEGEND AND TEMPORARY BENCHMARK LOCATIONS AND ELEVATIONS.
- 2. CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS DURING CONSTRUCTION. ANY MONUMENT DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- 3. COORDINATE WITH LANDSCAPERS AND LANDSCAPE PLAN FOR LOCATION OF SLEEVES FOR ON-SITE PRESSURE IRRIGATION DISTRIBUTION SYSTEM. CONTRACTOR SHALL INSTALL SLEEVES PRIOR TO PAVING AND CONCRETE.
- 4. COORDINATE ROUTING OF DRY UTILITIES (POWER, GAS, PHONE, CABLE, ETC) WITH CONTRACTOR AND APPLICABLE UTILITY COMPANIES.
- 5. SEE ARCHITECTURAL PLANS FOR HORIZONTAL CONTROL / DIMENSIONED SITE PLAN.
- 6. SEE ARCHITECTURAL PLANS FOR SITE DEMOLITION PLAN. CONTRACTOR SHALL REMOVE AND DISPOSE ALL SITE FEATURES THAT CONFLICT WITH PROPOSED IMPROVEMENTS.
- 7. ABANDONED TEST PITS, STORM DRAINS OR ANY OTHER DISTURBED EXCAVATION LOCATED UNDER THE PROPOSED BUILDING OR STREET SHALL BE RE-EXCAVATED TO NATIVE SOIL AND BACKFILLED WITH STRUCTURAL FILL PER ISWPC SPECIFICATIONS. CONTRACTOR SHALL PROVIDE SOILS DATA TO VERIFY NATIVE MATERIAL OR ANY SOURCE USED FOR BACKFILL MEETS THE REQUIREMENTS OF ENGINEERED FILL PER ISWPC AND PROVIDE A COPY OF ALL COMPACTION TESTS TO THE CITY, UPON REQUEST.
- 8. ALL CLEANOUTS IN CONCRETE AND ASPHALT PAVED AREAS SHALL HAVE A TRAFFIC RATED COVER IN A CONCRETE COLLAR SET FLUSH WITH FINISHED GRADE PER ISWPC SD-506A. LIDS OF CLEANOUTS IN LANDSCAPE AREAS SHALL BE SET FLUSH WITH FINISHED GRADE TO PROTECT FROM DAMAGE FROM MOWERS, TRIMMERS, ETC.
- 9. THERE ARE NOT ANY PROPOSED CHANGES TO THE WATER SERVICE LINE SERVING THE EXISTING BUILDING.
- 10. STORMWATER RUNOFF WILL CONTINUE TO BE MANAGED IN THE EXISTING SWALE LOCATED ON THE WEST SIDE OF THE EXISTING BUILDING.
- 11. ADD 3900' TO TRUNCATED SITE ELEVATIONS TO CONVERT TO THE PROJECT DATUM.
- 12. CONTRACTOR SHALL RESTORE EXISTING LANDSCAPING AND LANDSCAPE IRRIGATION LINES DISTURBED BY SEWER, STORM DRAIN, BUILDING, DRIVEWAY, AND PARKING LOT CONSTRUCTION.
- 13. SEE SHEET C3.1 FOR STORM DRAIN DETAILS.

**STORM DRAIN KEYNOTES**

- D1. INLET #1  
30" DIA TRAFFIC RATED CONCRETE CATCH BASIN WITH: 24" DIA TRAFFIC RATED FRAME PER ISWPC SD-617; GRATED MANHOLE LID; AND CONCRETE COLLAR PER ISWPC SD-616 (SEE DETAIL A/C3.1)  
TOG: 19.80± (SEE SHEET C5.1)  
12" IE(OUT)W: 17.70
- D2. 108 LF± OF 12" DIA SDR 35 PVC STORM DRAIN PIPE PER ISWPC 601.2.2 @ 0.37% SLOPE.
- D3. INLET #2  
30" DIA TRAFFIC RATED CONCRETE CATCH BASIN WITH: 24" DIA TRAFFIC RATED FRAME PER ISWPC SD-617; GRATED MANHOLE LID; AND CONCRETE COLLAR PER ISWPC SD-616 (SEE DETAIL A/C3.1)  
TOG: 19.80± (SEE SHEET C5.1)  
12" IE(OUT)SW: 17.30 (THIS PIPE IS INTENTIONALLY LOWER THAN INLET PIPE)
- D4. 74 LF± OF 12" DIA SDR 35 PVC STORM DRAIN PIPE PER ISWPC 601.2.2 @ 0.81% SLOPE.
- D5. INLET #3  
30" DIA TRAFFIC RATED CONCRETE CATCH BASIN WITH: 24" DIA TRAFFIC RATED FRAME PER ISWPC SD-617; GRATED MANHOLE LID; AND OPEN BOTTOM TO DRAIN INTO SUBSURFACE (SEE DETAIL B/C3.1)  
TOG: 17.80± (SEE SHEET C5.1)  
12" IE(N)NE: 15.70
- D6. INLET #51  
30" DIA TRAFFIC RATED CONCRETE CATCH BASIN WITH: 24" DIA TRAFFIC RATED FRAME PER ISWPC SD-617; GRATED MANHOLE LID; AND CONCRETE COLLAR PER ISWPC SD-616 (SEE DETAIL A/C3.1)  
TOG: 19.88± (SEE SHEET C5.1)  
12" IE(OUT)S: 17.70
- D7. 24 LF± OF 12" DIA SDR 35 PVC STORM DRAIN PIPE PER ISWPC 601.2.2 @ 0.42% SLOPE.
- D8. INLET #52  
30" DIA TRAFFIC RATED CONCRETE CATCH BASIN WITH: 24" DIA TRAFFIC RATED FRAME PER ISWPC SD-617; GRATED MANHOLE LID; AND CONCRETE COLLAR PER ISWPC SD-616 (SEE DETAIL A/C3.1)  
TOG: 20.51± (SEE SHEET C5.1)  
12" IE(N)N: 17.60  
12" IE(OUT)W: 17.50
- D9. 83 LF± OF 12" DIA SDR 35 PVC STORM DRAIN PIPE PER ISWPC 601.2.2 @ 0.48% SLOPE.
- D10. INLET #53  
30" DIA TRAFFIC RATED CONCRETE CATCH BASIN WITH: 24" DIA TRAFFIC RATED FRAME PER ISWPC SD-617 AND GRATED MANHOLE LID (SEE DETAIL C/C3.1)  
TOG: 20.20± (SEE SHEET C5.1)  
12" IE(N)E: 17.10  
12" IE(OUT)W: 17.00
- D11. 92 LF± OF 12" DIA SDR 35 PVC STORM DRAIN PIPE PER ISWPC 601.2.2 @ 0.54% SLOPE.
- D12. OUTLET #54  
30" DIA TRAFFIC RATED CONCRETE CATCH BASIN WITH: 24" DIA TRAFFIC RATED FRAME PER ISWPC SD-617; GRATED MANHOLE LID; AND OPEN BOTTOM TO DRAIN INTO SUBSURFACE (SEE DETAIL B/C3.1)  
TOG: 18.60± (SEE SHEET C5.1)  
12" IE(N)E: 16.50

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, KIMBERLY, ID 83341  
 SEWER SERVICE AND STORM DRAIN PLAN

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 S 4th Ave East \* Twin Falls, Idaho 83301  
 (208) 736-8050



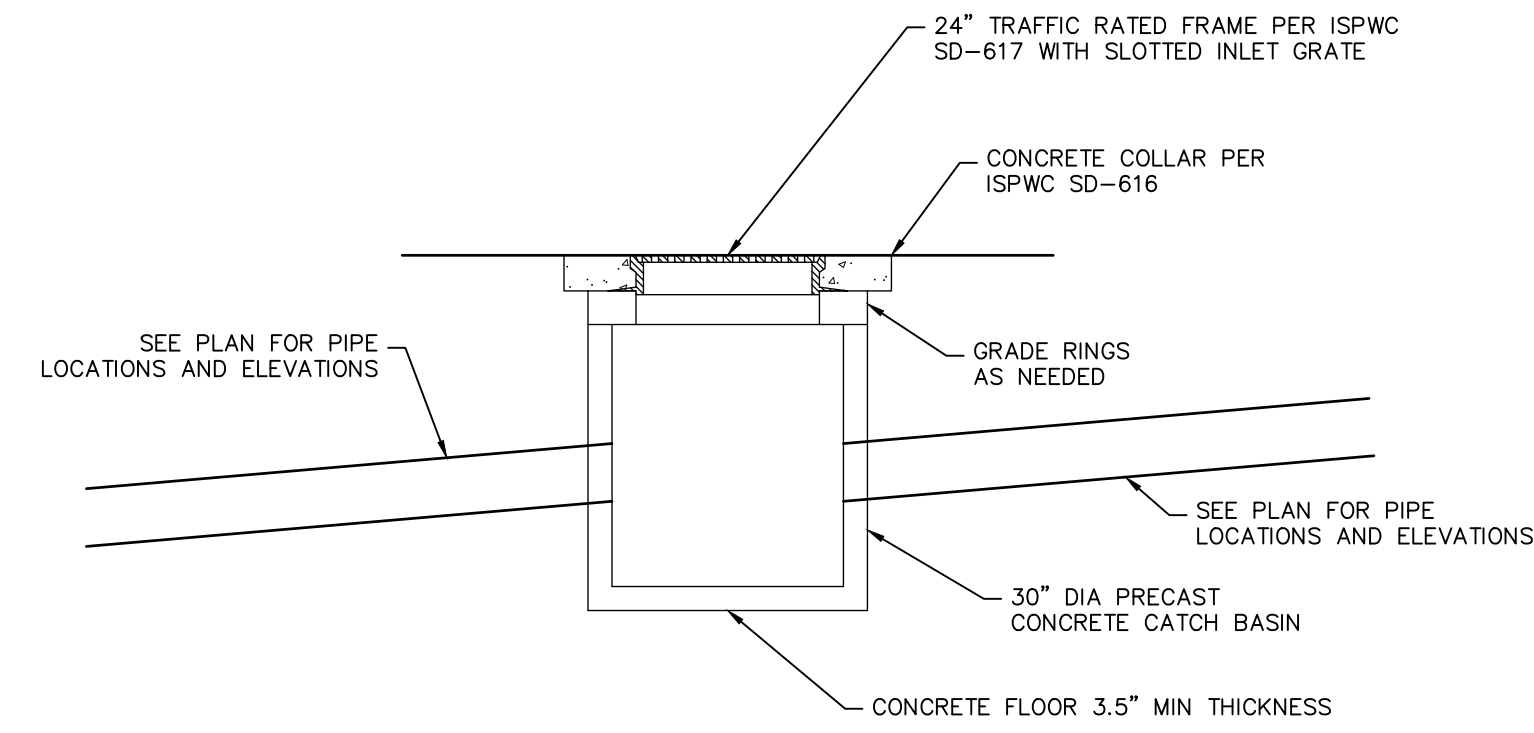
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**C2.1**  
 2 of 6



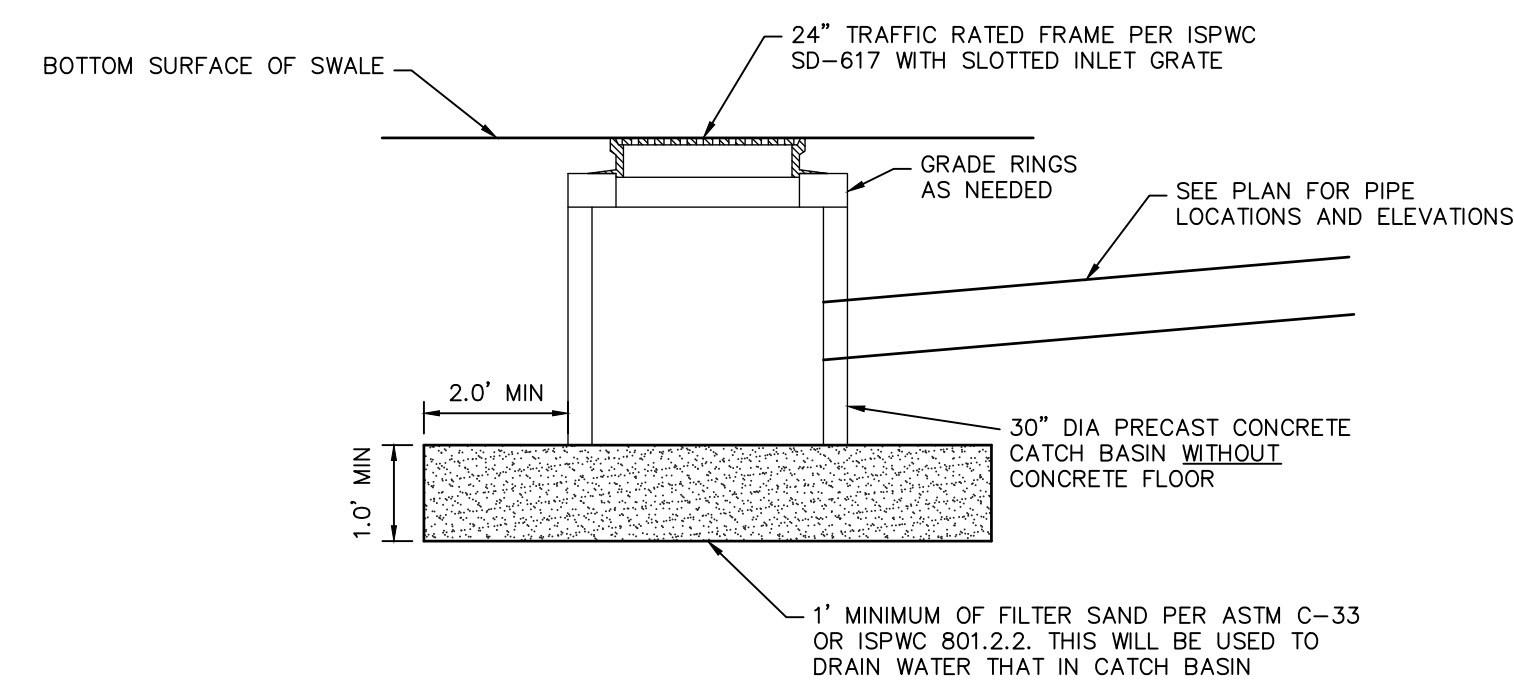
**NOTES**

1. SEE SHEET C2.1 FOR STORM DRAIN PLAN.
2. STORMWATER RUNOFF WILL CONTINUE TO BE MANAGED IN THE EXISTING SWALE LOCATED ON THE WEST SIDE OF THE EXISTING BUILDING.



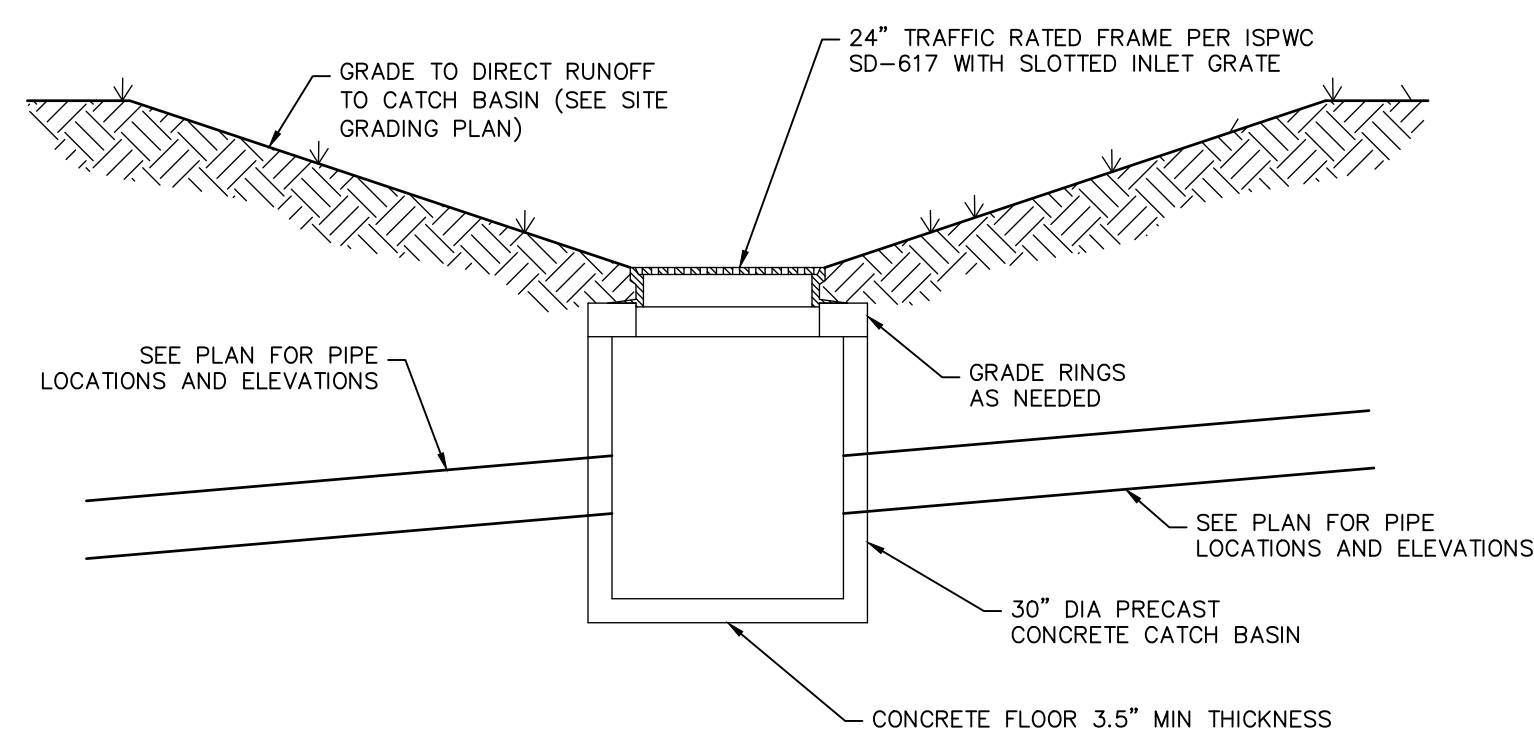
**CATCH BASIN WITH CONCRETE COLLAR**  
SCALE: N.T.S.

**A**  
**C3.1**



**CATCH BASIN USED AS OUTLET IN SWALE**  
SCALE: N.T.S.

**B**  
**C3.1**



**CATCH BASIN WITHOUT CONCRETE COLLAR**  
SCALE: N.T.S.

**C**  
**C3.1**

DATE	REVIEW
10/07/2024	

DATE	REVIEW
10/07/2024	

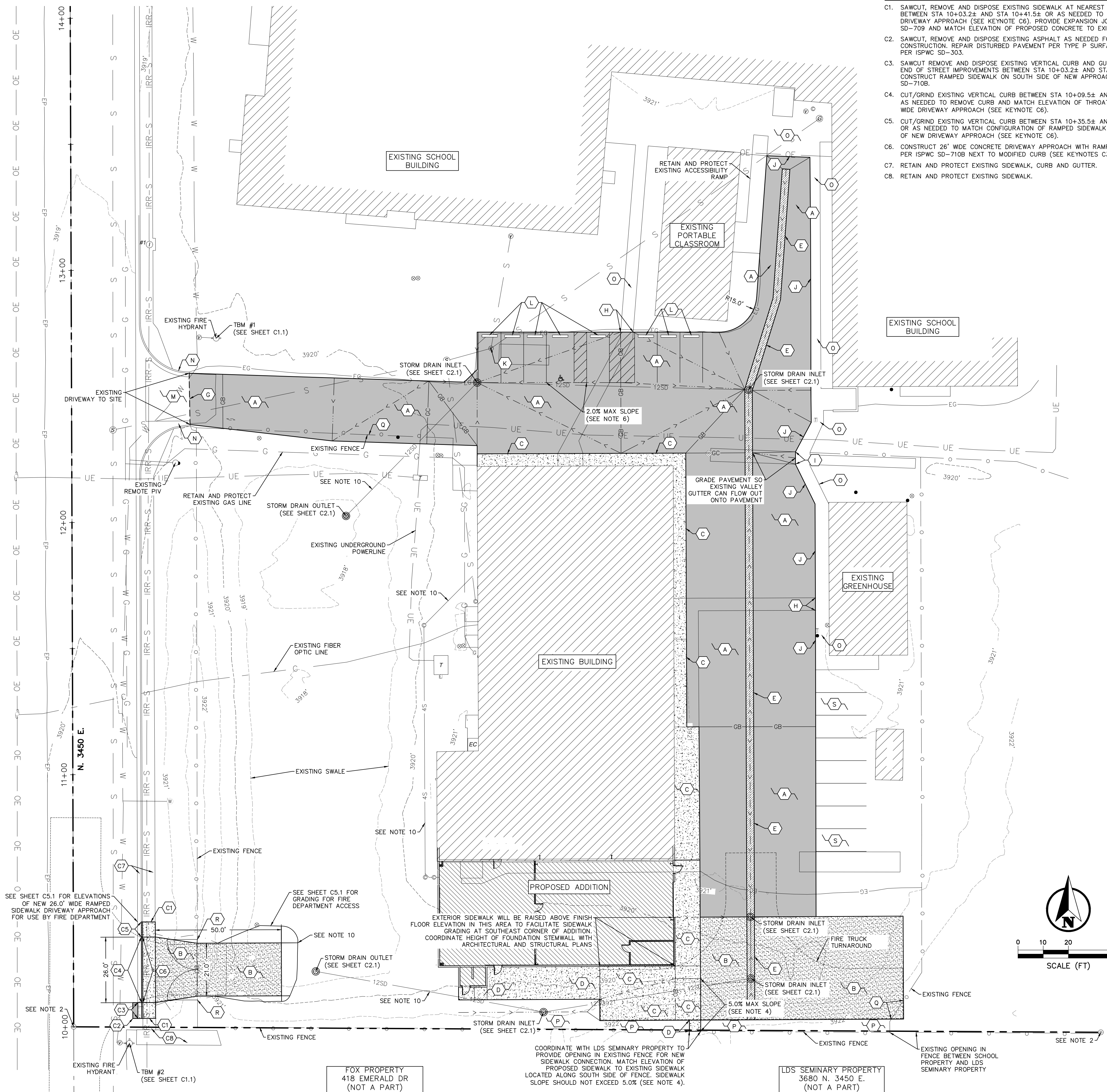
AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
3682 N 3450 E, KIMBERLY, ID 83341  
**STORM DRAIN DETAILS**

**Laughlin Ricks Architecture**  
—architecture/planning—  
134 3<sup>RD</sup> AVE East \* Twin Falls, Idaho 83301  
(208) 736-8030

DATE:	10/07/2024
BRW	LBW
Drawn	Checked

**C3.1**  
3 of 6





STREET KEYNOTES

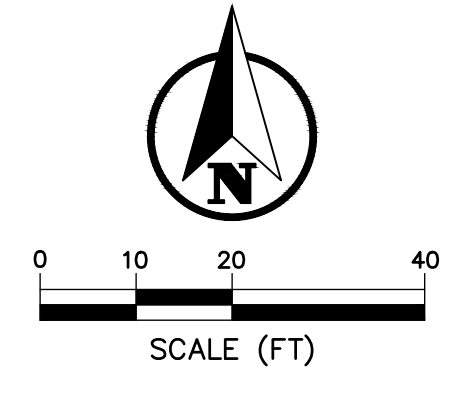
- C1. SAWCUT, REMOVE AND DISPOSE EXISTING SIDEWALK AT NEAREST CONTROL JOINT BETWEEN STA 10+03.2± AND STA 10+41.5± OR AS NEEDED TO CONSTRUCT NEW DRIVEWAY APPROACH (SEE KEYNOTE C6). PROVIDE EXPANSION JOINT PER ISPCW SD-709 AND MATCH ELEVATION OF PROPOSED CONCRETE TO EXISTING.
- C2. SAWCUT, REMOVE AND DISPOSE EXISTING ASPHALT AS NEEDED FOR CONSTRUCTION. REPAIR DISTURBED PAVEMENT PER TYPE P SURFACE RESTORATION PER ISPCW SD-303.
- C3. SAWCUT REMOVE AND DISPOSE EXISTING VERTICAL CURB AND GUTTER AT SOUTH END OF STREET IMPROVEMENTS BETWEEN STA 10+03.2± AND STA 10+09.5±. CONSTRUCT RAMPED SIDEWALK ON SOUTH SIDE OF NEW APPROACH PER ISPCW SD-710B.
- C4. CUT/GRIND EXISTING VERTICAL CURB BETWEEN STA 10+09.5± AND STA 10+35.5± AS NEEDED TO REMOVE CURB AND MATCH ELEVATION OF THROAT OF NEW 26' WIDE DRIVEWAY APPROACH (SEE KEYNOTE C6).
- C5. CUT/GRIND EXISTING VERTICAL CURB BETWEEN STA 10+35.5± AND STA 10+41.5± OR AS NEEDED TO MATCH CONFIGURATION OF RAMPED SIDEWALK ON NORTH SIDE OF NEW DRIVEWAY APPROACH (SEE KEYNOTE C6).
- C6. CONSTRUCT 26' WIDE CONCRETE DRIVEWAY APPROACH WITH RAMPED SIDEWALKS PER ISPCW SD-710B NEXT TO MODIFIED CURB (SEE KEYNOTES C3 TO C5).
- C7. RETAIN AND PROTECT EXISTING SIDEWALK, CURB AND GUTTER.
- C8. RETAIN AND PROTECT EXISTING SIDEWALK.

NOTES

- 1. SEE SHEET C1.1 FOR ADDITIONAL NOTES, LEGEND AND TEMPORARY BENCHMARK LOCATIONS AND ELEVATIONS.
- 2. CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS DURING CONSTRUCTION. ANY MONUMENT DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- 3. COORDINATE WITH LANDSCAPERS AND LANDSCAPE PLAN FOR LOCATION OF SLEEVES FOR ON-SITE PRESSURE IRRIGATION DISTRIBUTION SYSTEM. CONTRACTOR SHALL INSTALL SLEEVES PRIOR TO PAVING AND CONCRETE.
- 4. ADA ACCESSIBLE SIDEWALKS SHALL NOT EXCEED 2.0% CROSS SLOPE OR 5.0% GRADE IN ACCORDANCE TO ADA AND ANSI STANDARDS AND ARCHITECTURAL PLAN. CONTRACTOR SHALL FIELD VERIFY SLOPE PRIOR TO PLACING CONCRETE OR PAVING.
- 5. ADA RAMPS SHALL NOT EXCEED 1:12 SLOPE AND SHALL BE SIZED BY THE CONTRACTOR TO MEET ADA AND ANSI STANDARDS (E.G., 2.0% MAX LANDING AND 4.0' MIN. WIDTH).
- 6. ADA ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2.0% SLOPE IN ANY DIRECTION AND BE IN ACCORDANCE TO ADA AND ANSI STANDARDS. CONTRACTOR SHALL FIELD VERIFY SLOPE PRIOR TO PLACING PAVING.
- 7. SEE ARCHITECTURAL PLANS FOR HORIZONTAL CONTROL / DIMENSIONED SITE PLAN.
- 8. SEE ARCHITECTURAL PLANS FOR SITE DEMOLITION PLAN. CONTRACTOR SHALL REMOVE AND DISPOSE ALL SITE FEATURES THAT CONFLICT WITH PROPOSED IMPROVEMENTS.
- 9. ABANDONED TEST PITS, STORM DRAINS OR ANY OTHER DISTURBED EXCAVATION LOCATED UNDER THE PROPOSED BUILDING OR PARKING LOT SHALL BE RE-EXCAVATED TO NATIVE SOIL AND BACKFILLED WITH STRUCTURAL FILL PER ISPCW SPECIFICATIONS. CONTRACTOR SHALL PROVIDE SOILS DATA TO VERIFY NATIVE MATERIAL OR ANY SOURCE USED FOR BACKFILL MEETS THE REQUIREMENTS OF ENGINEERED FILL PER ISPCW AND PROVIDE A COPY OF ALL COMPACTION TESTS TO THE CITY, UPON REQUEST.
- 10. RESTORE LANDSCAPING AND LANDSCAPING IRRIGATION DISTURBED BY CONSTRUCTION AS NEEDED.
- 11. STORMWATER RUNOFF WILL CONTINUE TO BE MANAGED IN THE EXISTING SWALE LOCATED ON THE WEST SIDE OF THE EXISTING BUILDING.
- 12. SEE SHEET C5.1 FOR SITE GRADING PLAN.
- 13. SEE SHEET C6.1 FOR SITE GRADING DETAILS.

SITE KEYNOTES

- A. ASPHALT PAVING (SEE DETAIL A/C6.1), TYP.
- B. GRAVEL FIRE DEPARTMENT ACCESS (SEE DETAIL B/C6.1), TYP.
- C. FLUSH CONCRETE SIDEWALK/APRON (SEE DETAIL C/C6.1), TYP.
- D. NON-TRAFFIC RATED SIDEWALK (SEE DETAIL D/C6.1), TYP.
- E. 3' WIDE CONCRETE VALLEY GUTTER (SEE DETAIL E/C6.1), TYP.
- F. RESERVED (KEYNOTE NOT CURRENTLY USED).
- G. SAWCUT, REMOVE AND DISPOSE EXISTING ASPHALT PAVING AS NEEDED FOR CONSTRUCTION AND GRADING. TACKCOAT AND MATCH ELEVATION OF PROPOSED ASPHALT PAVING TO EXISTING, TYP.
- H. SAWCUT, REMOVE AND DISPOSE EXISTING CONCRETE SIDEWALK AS NEEDED TO MATCH CONFIGURATION OF PROPOSED PARKING LOT. TACKCOAT AND MATCH ELEVATION OF PROPOSED ASPHALT PAVING TO EXISTING CONCRETE, TYP.
- I. SAWCUT, REMOVE AND DISPOSE EXISTING CONCRETE VALLEY GUTTER AS NEEDED TO MATCH CONFIGURATION OF PROPOSED PARKING LOT. TACKCOAT AND MATCH ELEVATION OF PROPOSED ASPHALT PAVING TO EXISTING CONCRETE, AND GRADE PAVEMENT SO EXISTING VALLEY GUTTER CAN FLOW OUT ONTO PAVEMENT, TYP.
- J. TACKCOAT ALONG OUTER EDGE OF CONCRETE SIDEWALK AND MATCH ELEVATION OF PROPOSED ASPHALT PAVING TO EXISTING CONCRETE, TYP.
- K. ADJUST RIM OF EXISTING SEWER CLEANOUT TO BE FLUSH WITH FINISHED GRADE AND CONSTRUCT CONCRETE COLLAR PER ISPCW SD-506A (SEE SHEET C2.1).
- L. CONCRETE WHEEL STOP ANCHORED TO PAVEMENT PER MANUFACTURER'S RECOMMENDATIONS. QTY 5E.
- M. RETAIN AND PROTECT EXISTING ASPHALT PAVING, TYP.
- N. RETAIN AND PROTECT EXISTING VERTICAL CURB AND GUTTER, TYP.
- O. RETAIN AND PROTECT EXISTING SIDEWALK, TYP.
- P. REGRADE AREA BETWEEN PROPERTY LINE AND PROPOSED IMPROVEMENTS AS SHOWN ON SHEET C5.1. RESTORE LANDSCAPING AND LANDSCAPING IRRIGATION AS NEEDED, TYP.
- Q. RELOCATE/RECONSTRUCT EXISTING FENCE AS NEEDED TO AVOID PROPOSED DRIVEWAY AND PARKING LOT IMPROVEMENTS, TYP.
- R. SEE ARCHITECTURAL PLANS FOR NEW 24' WIDE GATE.
- S. PROVIDE AND INSTALL COMPACTED 3/4" MINUS GRAVEL ON EAST SIDE OF PROPOSED ASPHALT PARKING LOT AS NEEDED TO GRADE TO PROVIDE SMOOTH TRANSITION TO EXISTING GRADE, TYP.



AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, KIMBERLY, ID 83341  
**CIVIL SITE PLAN**

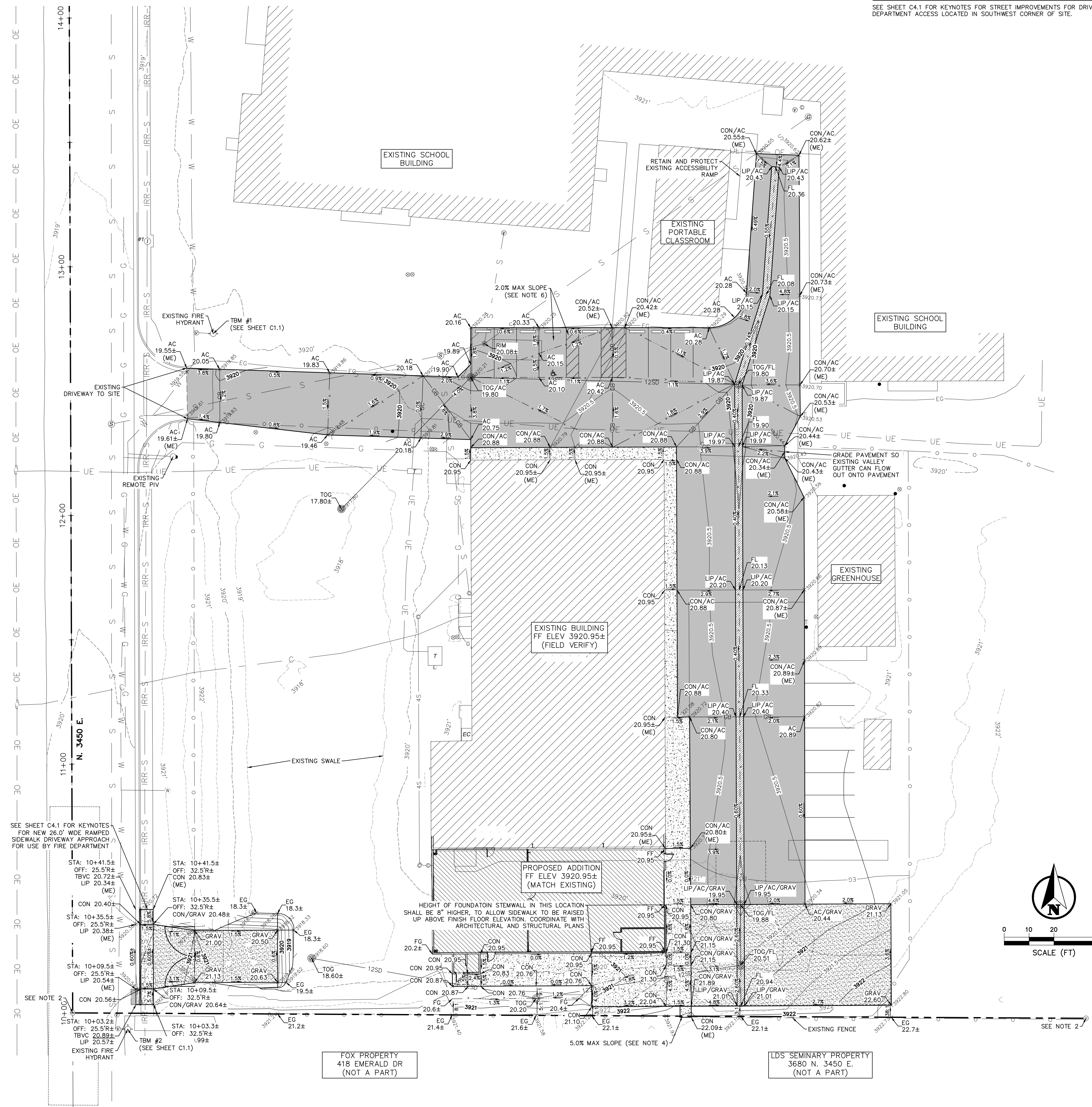
**Laughlin Ricks Architecture**  
 —architecture/planning—  
 134 3<sup>rd</sup> Ave East \* Twin Falls, Idaho 83301  
 (208) 736-8050



1619 N. Linder Rd, Suite 110 - Kuna, Idaho 83634  
 Phone: 208-466-8181 - AspenEngineers.com

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 Drawn Checked

**C4.1**  
 4 of 6



**STREET KEYNOTES**

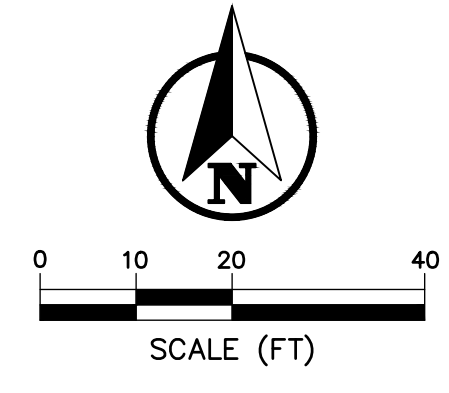
SEE SHEET C4.1 FOR KEYNOTES FOR STREET IMPROVEMENTS FOR DRIVEWAY FOR FIRE DEPARTMENT ACCESS LOCATED IN SOUTHWEST CORNER OF SITE.

**NOTES**

- SEE SHEET C1.1 FOR ADDITIONAL NOTES, LEGEND AND TEMPORARY BENCHMARK LOCATIONS AND ELEVATIONS.
- CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS DURING CONSTRUCTION. ANY MONUMENT DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- COORDINATE WITH LANDSCAPERS AND LANDSCAPE PLAN FOR LOCATION OF SLEEVES FOR ONSITE PRESSURE IRRIGATION DISTRIBUTION SYSTEM. CONTRACTOR SHALL INSTALL SLEEVES PRIOR TO PAVING AND CONCRETE.
- ADA ACCESSIBLE SIDEWALKS SHALL NOT EXCEED 2.0% CROSS SLOPE OR 5.0% GRADE IN ACCORDANCE TO ADA AND ANSI STANDARDS AND ARCHITECTURAL PLAN. CONTRACTOR SHALL FIELD VERIFY SLOPE PRIOR TO PLACING CONCRETE OR PAVING.
- ADA RAMPS SHALL NOT EXCEED 1:12 SLOPE AND SHALL BE SIZED BY THE CONTRACTOR TO MEET ADA AND ANSI STANDARDS (E.G., 2.0% MAX LANDING AND 4.0' MIN. WIDTH).
- ADA ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2.0% SLOPE IN ANY DIRECTION AND BE IN ACCORDANCE TO ADA AND ANSI STANDARDS. CONTRACTOR SHALL FIELD VERIFY SLOPE PRIOR TO PLACING PAVING.
- SEE ARCHITECTURAL PLANS FOR HORIZONTAL CONTROL / DIMENSIONED SITE PLAN.
- SEE ARCHITECTURAL PLANS FOR SITE DEMOLITION PLAN. CONTRACTOR SHALL REMOVE AND DISPOSE ALL SITE FEATURES THAT CONFLICT WITH PROPOSED IMPROVEMENTS.
- ABANDONED TEST PITS, STORM DRAINS OR ANY OTHER DISTURBED EXCAVATION LOCATED UNDER THE PROPOSED BUILDING OR PARKING LOT SHALL BE RE-EXCAVATED TO NATIVE SOIL AND BACKFILLED WITH STRUCTURAL FILL PER ISPCW SPECIFICATIONS. CONTRACTOR SHALL PROVIDE SOILS DATA TO VERIFY NATIVE MATERIAL OR ANY SOURCE USED FOR BACKFILL MEETS THE REQUIREMENTS OF ENGINEERED FILL PER ISPCW AND PROVIDE A COPY OF ALL COMPACTION TESTS TO THE CITY, UPON REQUEST.
- RESTORE LANDSCAPING AND LANDSCAPING IRRIGATION DISTURBED BY CONSTRUCTION AS NEEDED.
- STORMWATER RUNOFF WILL CONTINUE TO BE MANAGED IN THE EXISTING SWALE LOCATED ON THE WEST SIDE OF THE EXISTING BUILDING.
- SEE SHEET C4.1 FOR SITE GRADING PLAN.
- SEE SHEET C6.1 FOR SITE GRADING DETAILS.
- ADD 3900' TO TRUNCATED SITE ELEVATIONS TO CONVERT TO THE PROJECT DATUM.
- FINISHED CONTOUR LINES ARE SHOWN AT AN INTERVAL OF 0.5'.

**SITE KEYNOTES**

SEE SHEET C4.1 FOR KEYNOTES FOR SITE IMPROVEMENTS.



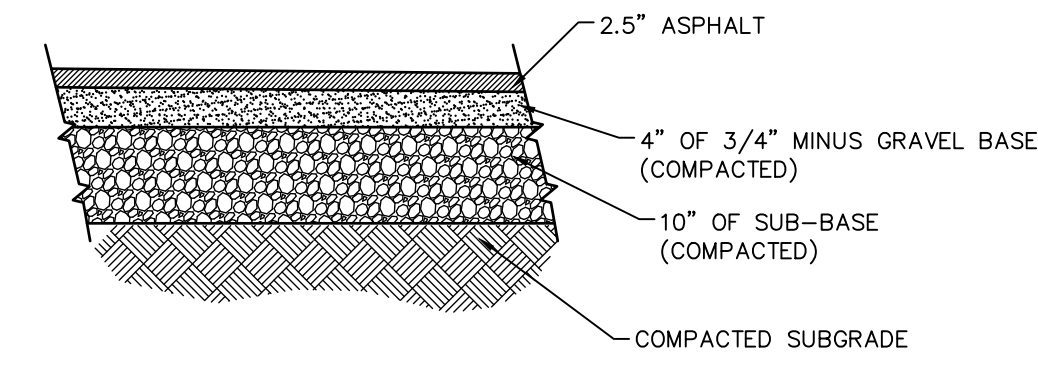
AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, KIMBERLY, ID 83341  
**SITE GRADING PLAN**

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 S 4th Ave East \* Twin Falls, Idaho 83301  
 (208) 736-8050



DATE: 10/07/2024  
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**C5.1**  
 5 of 6



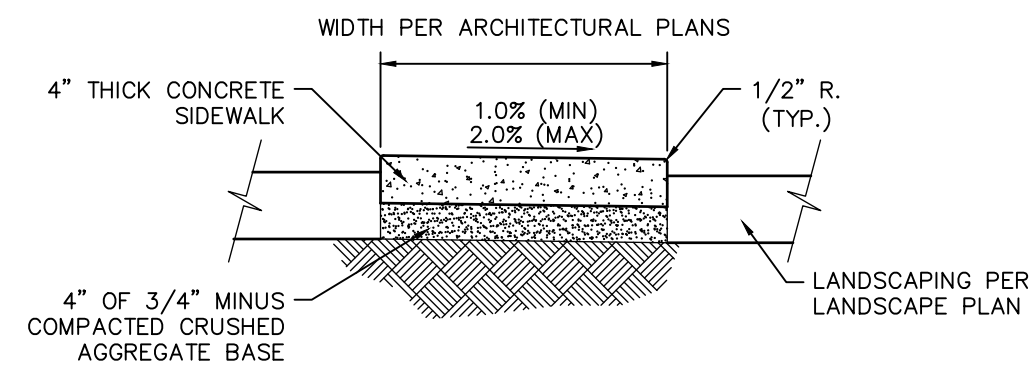
**ASPHALT PAVEMENT SECTION**

SCALE: N.T.S.

**NOTES:**

1. ASPHALT PAVING SHALL BE CLASS III PLANT MIX PAVEMENT PER ISPMC 810 WITH 1/2" AGGREGATE PER ISPMC 803.
2. 3/4" MINUS BASE SHALL BE TYPE I CRUSHED AGGREGATE BASE PER ISPMC 802.2.2.
3. SUB-BASE SHALL BE 6"-MINUS UNCRUSHED AGGREGATE PER ISPMC 801.2.2.
4. THE CONTRACTOR SHALL COORDINATE WITH OWNER IF ALTERNATIVE PAVEMENT THICKNESS IF DESIRED DUE TO POTENTIAL MAINTENANCE ISSUES OR ANTICIPATED TRAFFIC INDEX.

**A**  
C6.1



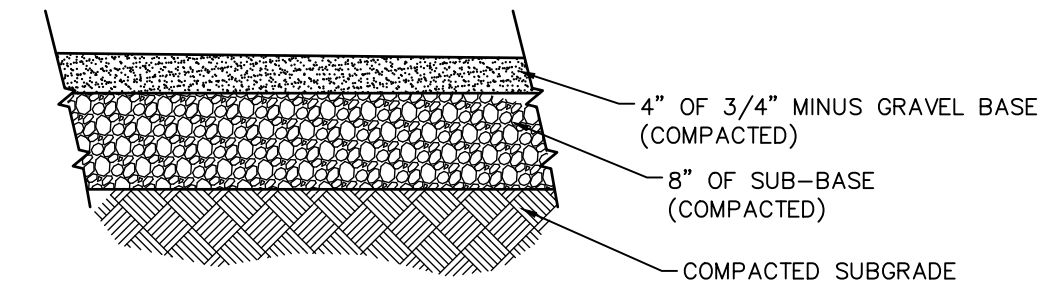
**CONCRETE SIDEWALK SECTION (NON-TRAFFIC RATED)**

SCALE: N.T.S.

**NOTES:**

1. SEE ISPMC SD-709 FOR MORE INFORMATION.
2. CONCRETE SHALL BE 3,000 PSI PORTLAND CEMENT CONCRETE PER ISPMC 703.
3. 3/4" MINUS BASE SHALL BE TYPE I CRUSHED AGGREGATE BASE PER ISPMC 802.2.2.
4. SCORE AT INTERVALS TO MATCH WIDTH OF WALK, BUT DO NOT EXCEED 5' SPACING.
5. SIDEWALK CROSS-SLOPE SHALL BE TARGETED TO BE 1.1% TO 1.8% AND NO GREATER THAN 2.0% TO COMPLY WITH ADA STANDARDS. ADA DOES NOT ALLOW TOLERANCES IN EXCESS OF THIS STANDARD.
6. THIS DETAIL APPLIES TO SIDEWALKS IN LANDSCAPE AREAS ONLY.

**D**  
C6.1



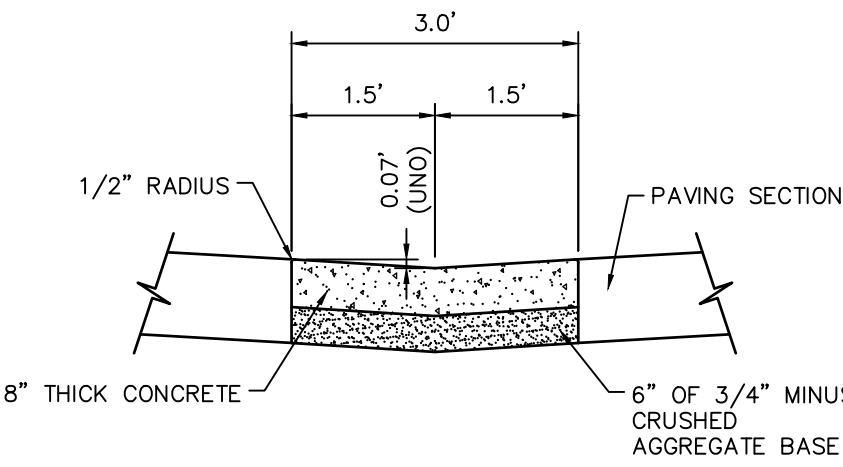
**GRAVEL FIRE DEPARTMENT ACCESS SECTION**

SCALE: N.T.S.

**NOTES:**

1. 3/4" MINUS BASE SHALL BE TYPE I CRUSHED AGGREGATE BASE PER ISPMC 802.2.2.
2. SUB-BASE SHALL BE 6"-MINUS UNCRUSHED AGGREGATE PER ISPMC 801.2.2.
3. THE CONTRACTOR SHALL COORDINATE WITH OWNER IF ALTERNATIVE GRAVEL THICKNESS IF DESIRED DUE TO POTENTIAL MAINTENANCE ISSUES OR ANTICIPATED TRAFFIC INDEX.

**B**  
C6.1



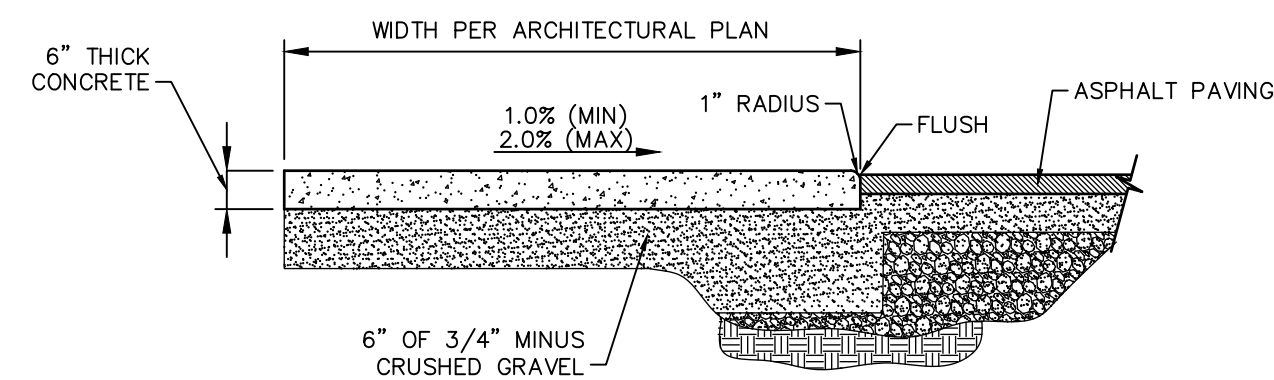
**CONCRETE VALLEY GUTTER (3' WIDE) SECTION**

SCALE: N.T.S.

**NOTES:**

1. SEE ISPMC SD-708 FOR MORE INFORMATION.
2. CONCRETE SHALL BE 3,000 PSI PORTLAND CEMENT CONCRETE PER ISPMC 703.
3. 3/4" MINUS BASE SHALL BE PER ISPMC 802.2.2.
4. SCORE GUTTER AT MAXIMUM INTERVAL OF 8'.

**E**  
C6.1



**FLUSH CONCRETE APRON**

SCALE: N.T.S.

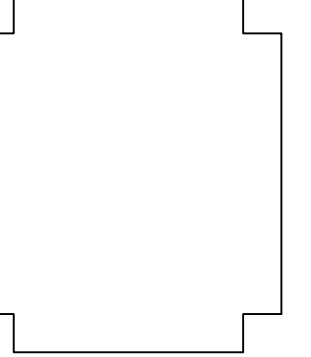
**NOTES:**

1. SEE ISPMC SD-709 FOR MORE INFORMATION.
2. CONCRETE SHALL BE 3,000 PSI PORTLAND CEMENT CONCRETE PER ISPMC 703.
3. 3/4" MINUS BASE SHALL BE TYPE I CRUSHED AGGREGATE BASE PER ISPMC 802.2.2.
4. SCORE AT INTERVALS TO MATCH WIDTH OF WALK, BUT DO NOT EXCEED 5' SPACING.
5. SIDEWALK CROSS-SLOPE SHALL BE TARGETED TO BE 1.1% TO 1.8% AND NO GREATER THAN 2.0% TO COMPLY WITH ADA STANDARDS. ADA DOES NOT ALLOW TOLERANCES IN EXCESS OF THIS STANDARD.

**C**  
C6.1

**NOTES**

1. THESE DETAILS APPLY ONLY TO THE ON-SITE IMPROVEMENTS ON THE PROPERTY AND DO NOT APPLY TO IMPROVEMENTS IN THE PUBLIC RIGHT-OF-WAY.
2. SUBGRADE IN PAVED AREAS SHALL BE COMPACTED TO AT LEAST 95% MDD, OR PROOF ROLLED TO THE SATISFACTION OF THE 3RD PARTY GEOTECHNICAL TESTING FIRM HIRED BY THE CONTRACTOR TO DEMONSTRATE COMPLIANCE WITH ISPMC REQUIREMENTS.
3. SUB-BASE AREAS SHALL BE COMPACTED TO AT LEAST 95% MDD. CONTRACTOR SHALL HIRE A 3RD PARTY GEOTECHNICAL TESTING FIRM TO DEMONSTRATE COMPLIANCE WITH COMPACTION REQUIREMENTS AND TESTING FREQUENCY PER ISPMC 801.
4. 3/4" MINUS GRAVEL BASE SHALL BE COMPACTED TO AT LEAST 95% MDD. CONTRACTOR SHALL HIRE A 3RD PARTY GEOTECHNICAL TESTING FIRM TO DEMONSTRATE COMPLIANCE WITH COMPACTION REQUIREMENTS AND TESTING FREQUENCY PER ISPMC 802.
5. ASPHALT PAVING SHALL BE COMPACTED IN ACCORDANCE WITH ISPMC 810. CONTRACTOR SHALL HIRE A 3RD PARTY GEOTECHNICAL TESTING FIRM TO DEMONSTRATE WITH COMPACTION REQUIREMENTS AND TESTING FREQUENCY PER ISPMC 810.



DATE	REVIEW
10/07/2024	

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, KIMBERLY, ID 83341  
 SITE GRADING DETAILS

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3<sup>RD</sup> AVE East \* Twin Falls, Idaho 83301  
 (208) 736-8050



1619 N. Linder Rd, Suite 110 - Kuna, Idaho 83634  
 Phone: 208-466-8181 - AspenEngineers.com

DATE:	10/07/2024
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**C6.1**

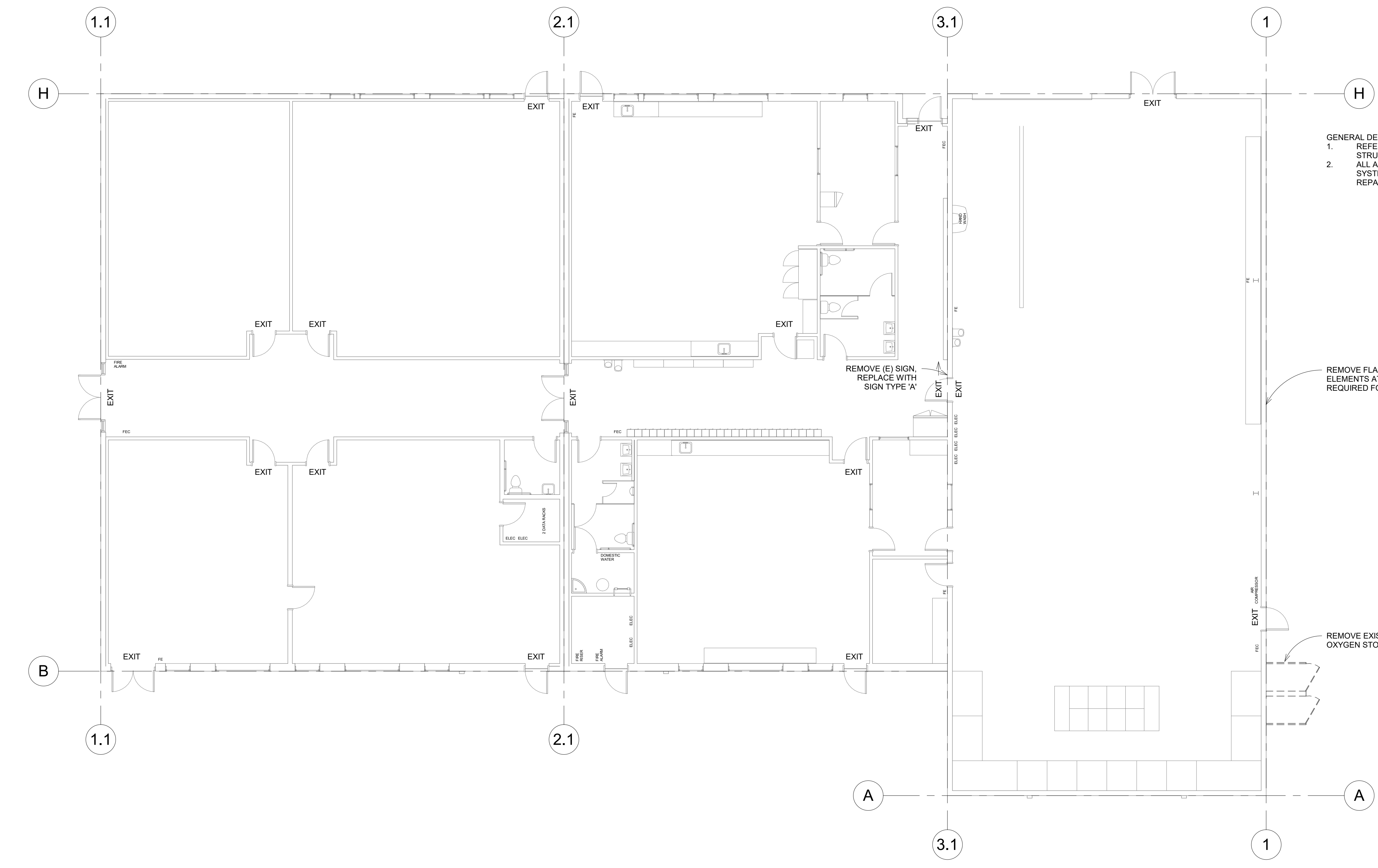
DATE	

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, Kimberly, ID 83341  
**DEMO FLOOR PLAN**

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3<sup>RD</sup> Ave East, # Twin Falls, Idaho 83301  
 (208) 736-8050

DATE:	10/8/2024
NM	RCR
Drawn	Checked
#23067	
PROJECT #	

**A1-3**



GENERAL DEMOLITION NOTES:  
 1. REFER TO MECHANICAL, PLUMBING, ELECTRICAL, STRUCTURAL, AND CIVIL DRAWINGS FOR ADDITIONAL WORK.  
 2. ALL AREAS OF WORK WHERE EXISTING ELEMENTS OR SYSTEMS HAVE BEEN REMOVED, SHALL BE CLEANED, REPAIRED, PATCHED, AND PREPARED FOR NEW WORK.

1 DEMO FLOOR PLAN  
 1/8" = 1'-0"

DATE \_\_\_\_\_

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 9450 E, Kimberly, ID 83341  
**ROTATED OVERALL FLOOR PLAN**

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3<sup>RD</sup> Ave East, # Twin Falls, Idaho 83301  
 (208) 736-8050

DATE: 10/8/2024  
 NM Drawn RCR  
 #23067 Checked  
 PROJECT #

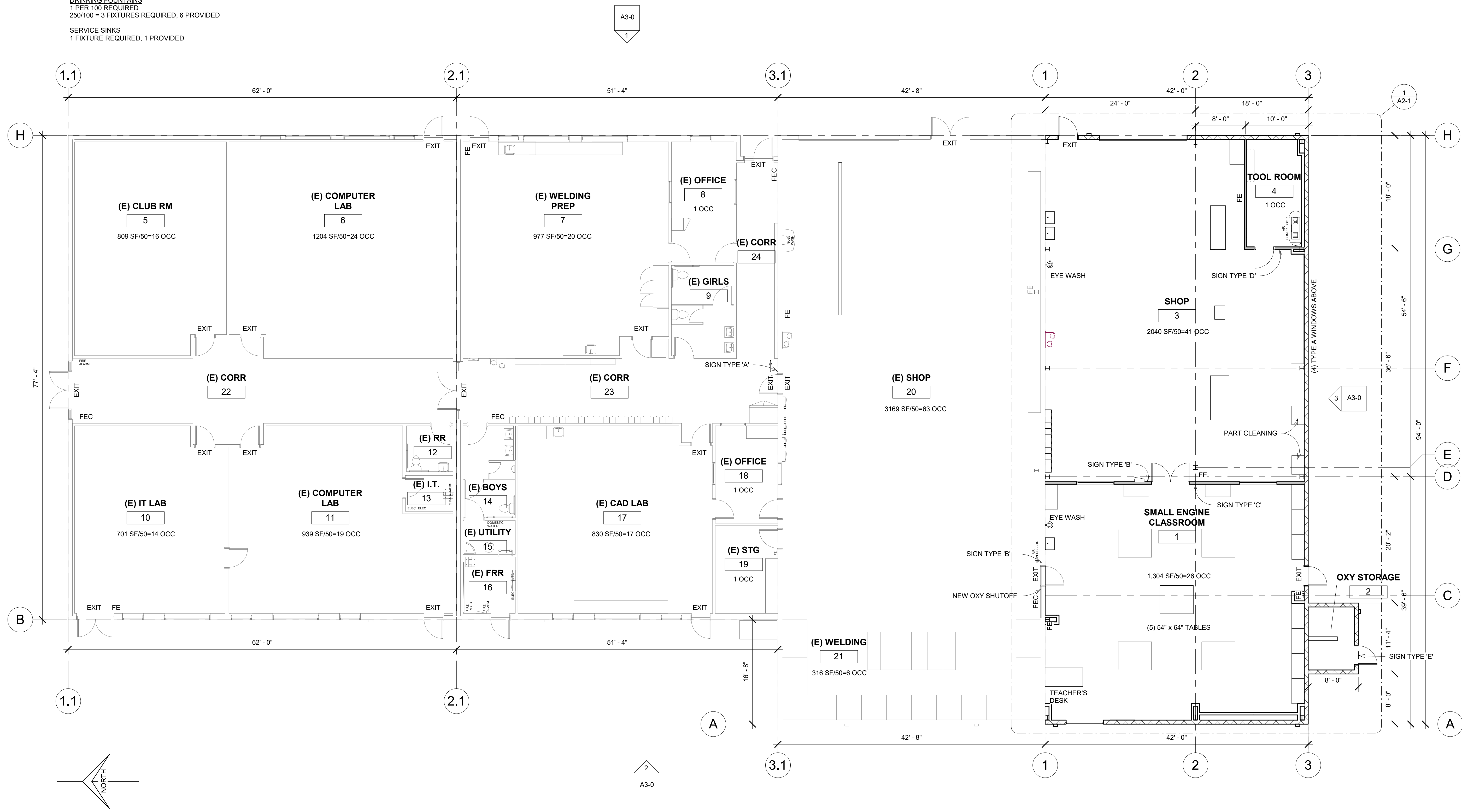
**A2-0**

**PLUMBING FIXTURE COUNT**  
 250 TOTAL OCCUPANTS  
 1 PER 50 REQUIRED  
 250/50 = 5 FIXTURES REQUIRED, 5 PROVIDED

**LAVATORIES**  
 MALE/FEMALE 1 PER 50 REQUIRED  
 250/50 = 5 FIXTURES REQUIRED, 9 PROVIDED

**DRINKING FOUNTAINS**  
 1 PER 100 REQUIRED  
 250/100 = 3 FIXTURES REQUIRED, 6 PROVIDED

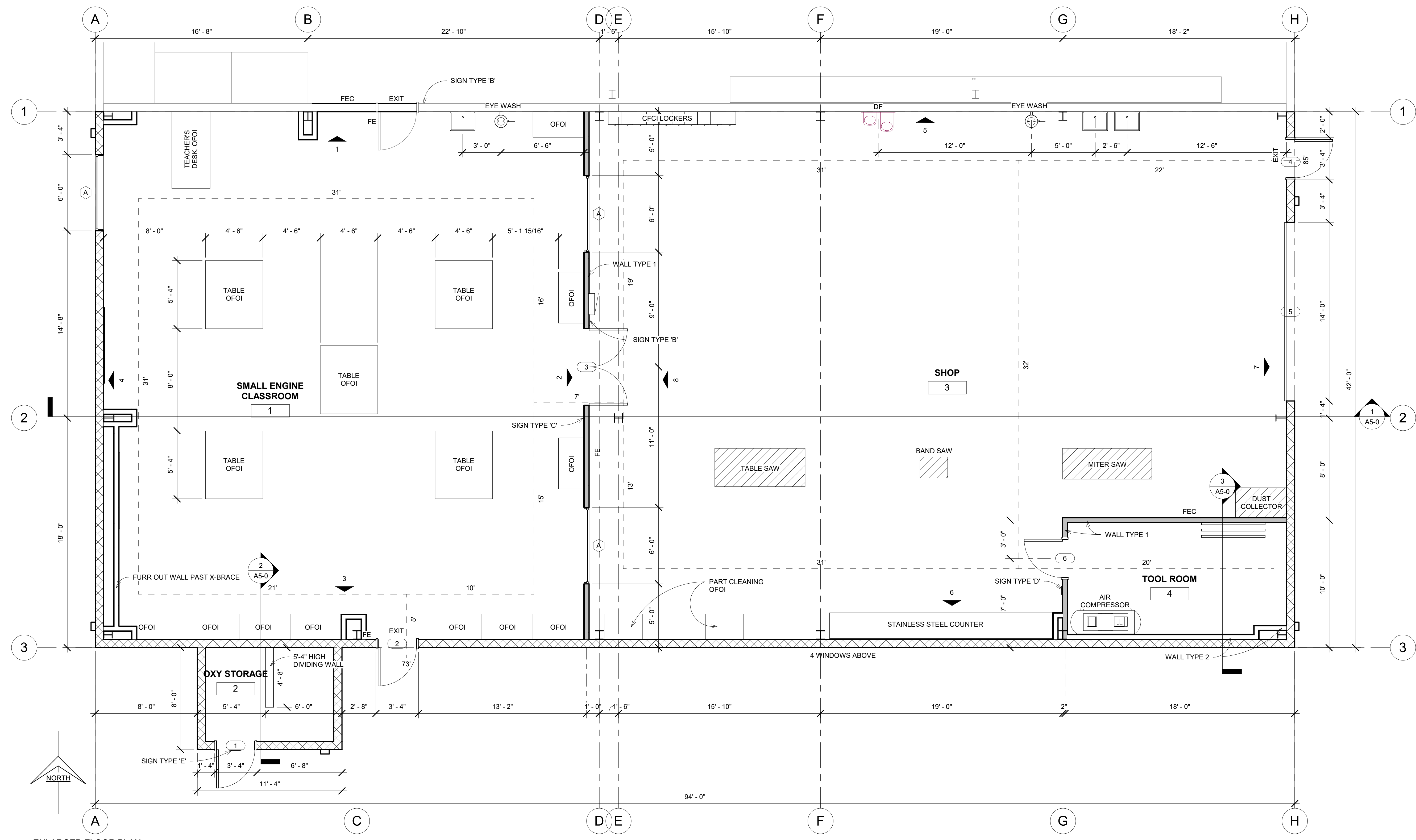
**SERVICE SINKS**  
 1 FIXTURE REQUIRED, 1 PROVIDED



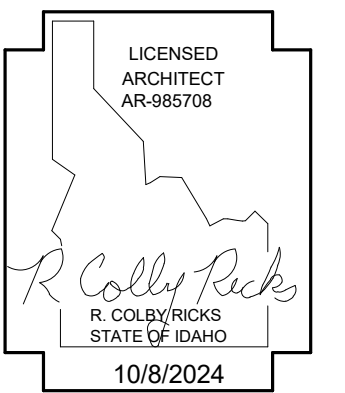
1 ROTATED NEW FLOOR PLAN  
 1/8" = 1'-0"

1. ALL NEW INTERIOR WALLS SHALL BE WALL TYPE 1: 3 5/8" METAL STUDS W/ 5/8" GYP BD EA. SIDE U.N.O.
2. ALL FURRING WALLS @ COLUMNS SHALL BE WALL TYPE 2: 3 5/8" METAL STUDS W/ 5/8" GYP BD ON THE EXT SIDE
3. ALL NEW INTERIOR WALLS SHALL HAVE SOUND BATT INSULATION

GENERAL NOTES  
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN  
1/4" = 1'-0"



DATE \_\_\_\_\_

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
3682 N 3450 E, Kimberly, ID 83341  
**ENLARGED FLOOR PLAN**

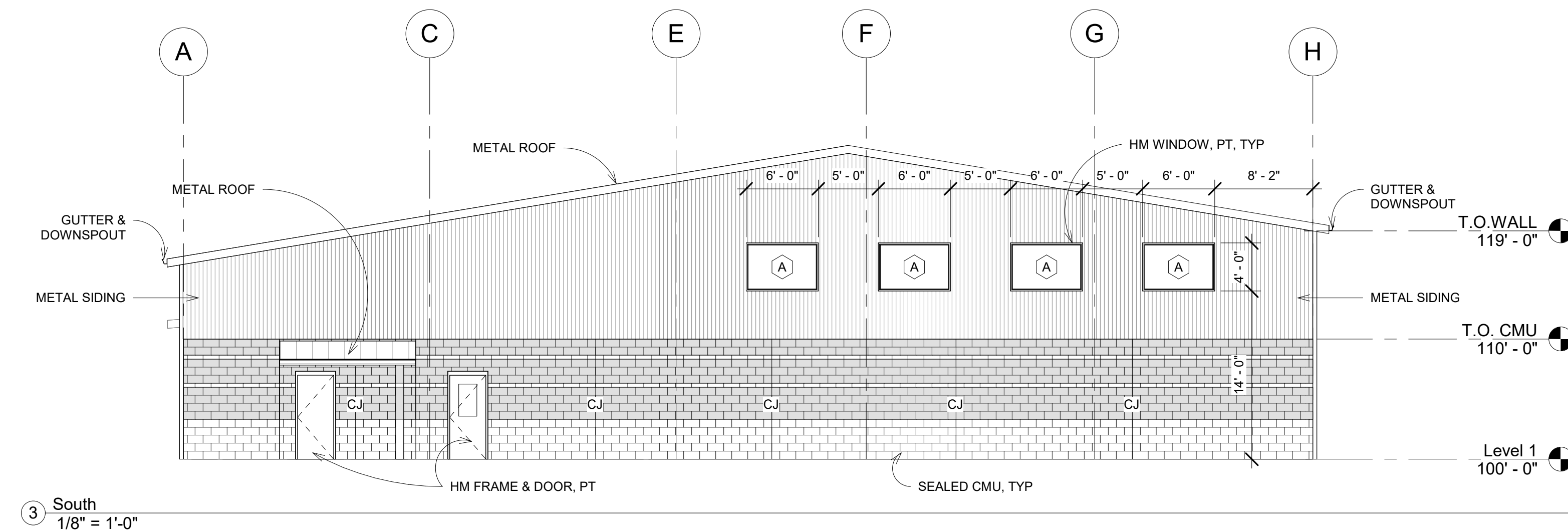
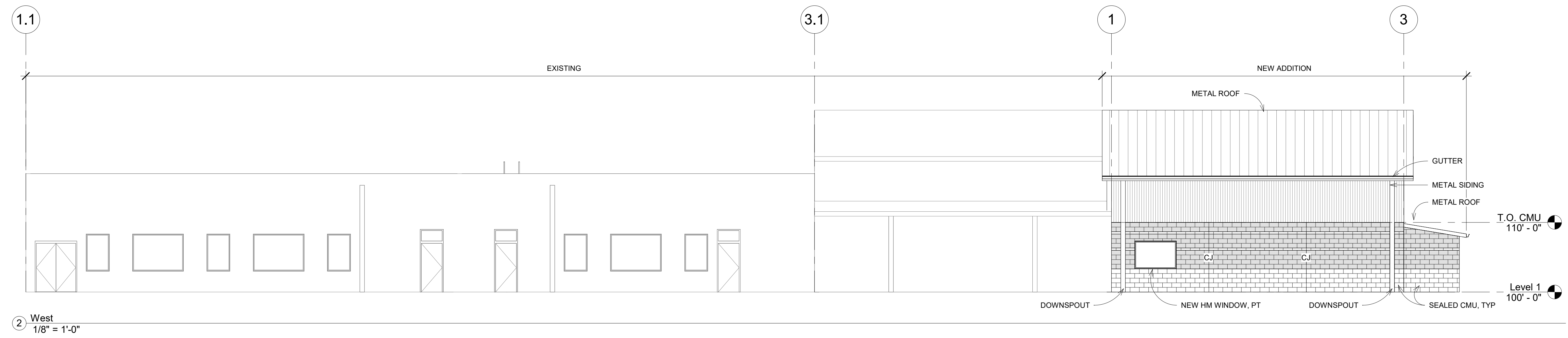
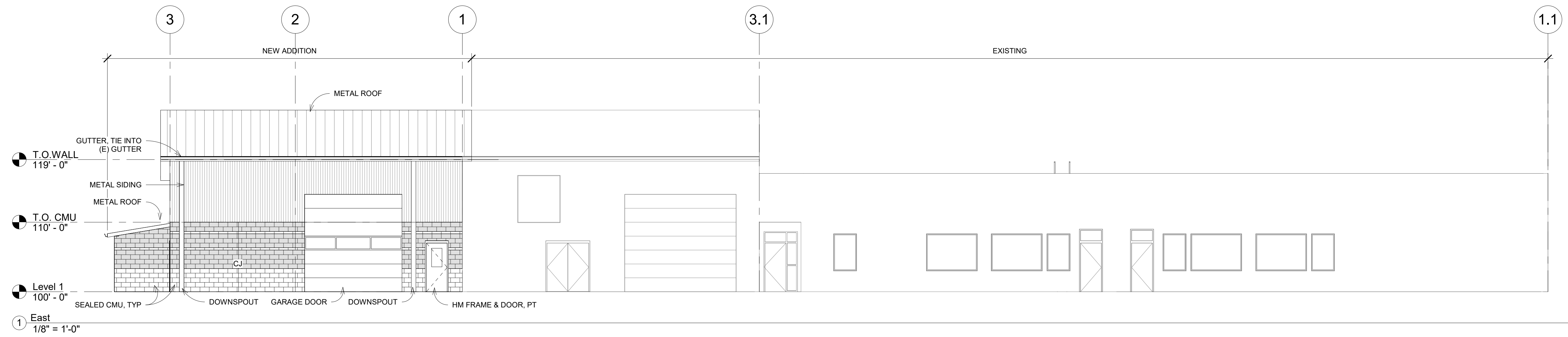
**Laughlin Ricks Architecture**  
architecture/planning  
134 3<sup>RD</sup> Ave East, # Twin Falls, Idaho 83301  
(208) 736-8050

DATE: 10/8/2024  
NM Draw RCR  
#23067 Checked  
PROJECT #

**A2-1**

ALL EXTERIOR CMU SHALL HAVE FOAM-IN-PLACE INSULATION EXCEPT FOR THE 3 OXY STORAGE WALLS

- SMOOTH FACE CMU - CHESTNUT, VERIFY COLOR TO MATCH (E)
- (ALL OTHER EXT CMU)
- SPLIT FACE CMU - PYRAMID, VERIFY COLOR TO MATCH (E)



LICENSED ARCHITECT AR-985708  
*R. Colby Ricks*  
 R. COLBY RICKS  
 STATE OF IDAHO  
 10/8/2024

DATE \_\_\_\_\_

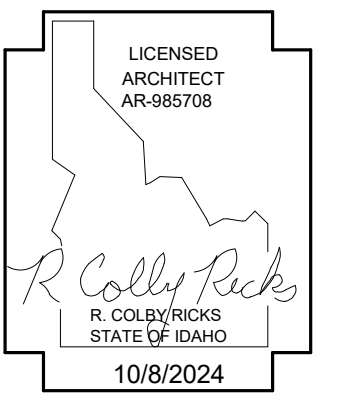
AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, Kimberly, ID 83341  
**EXTERIOR ELEVATIONS**

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3<sup>RD</sup> Ave East, \* Twin Falls, Idaho 83301  
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DATE: 10/8/2024
NM Drawn RCR
#23067 Checked
PROJECT #

**A3-0**





DATE \_\_\_\_\_

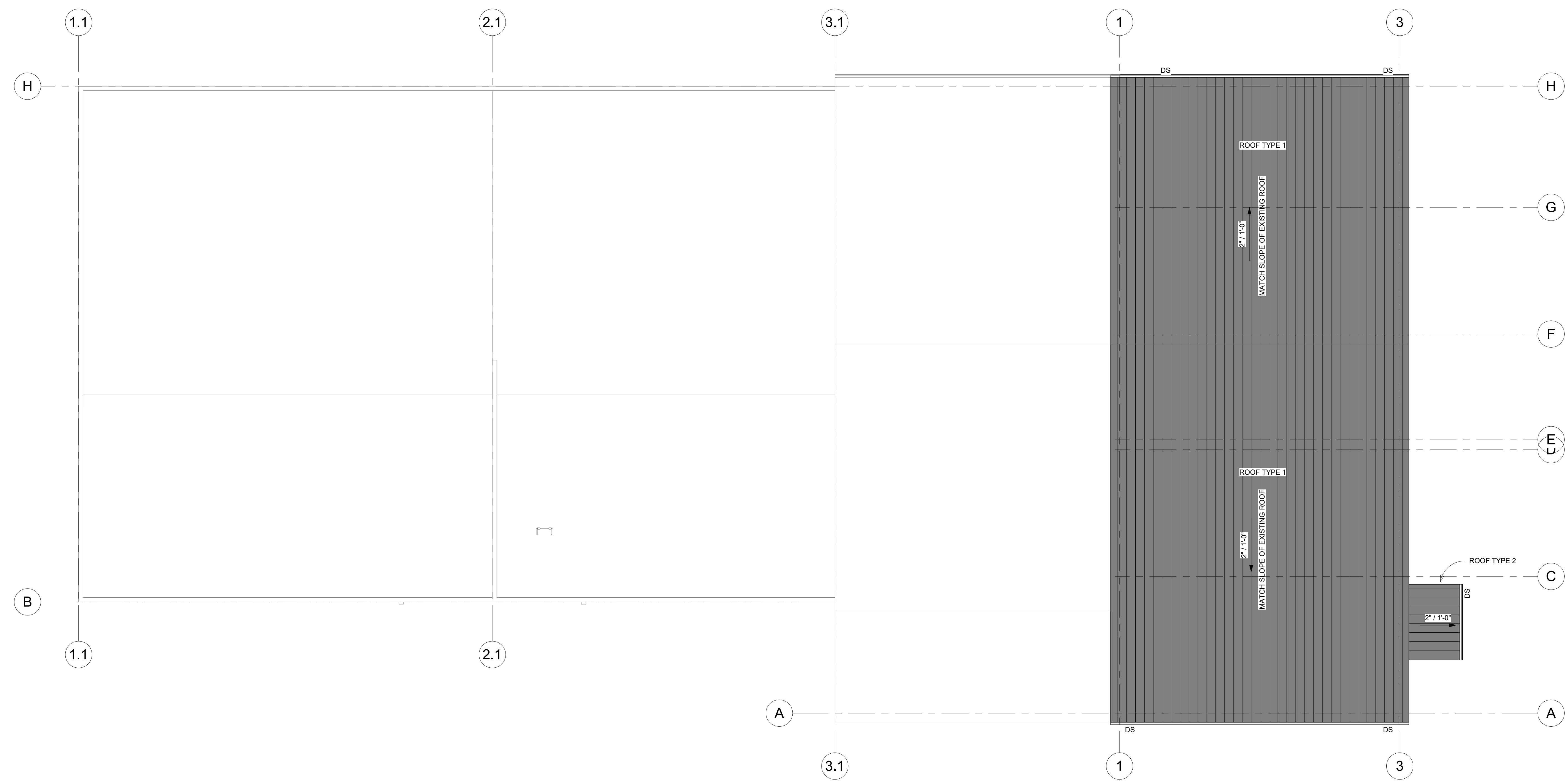
AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, Kimberly, ID 83341  
**NEW ROOF PLAN**

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3<sup>RD</sup> Ave East, \* Twin Falls, Idaho 83301  
 (208) 736-8050

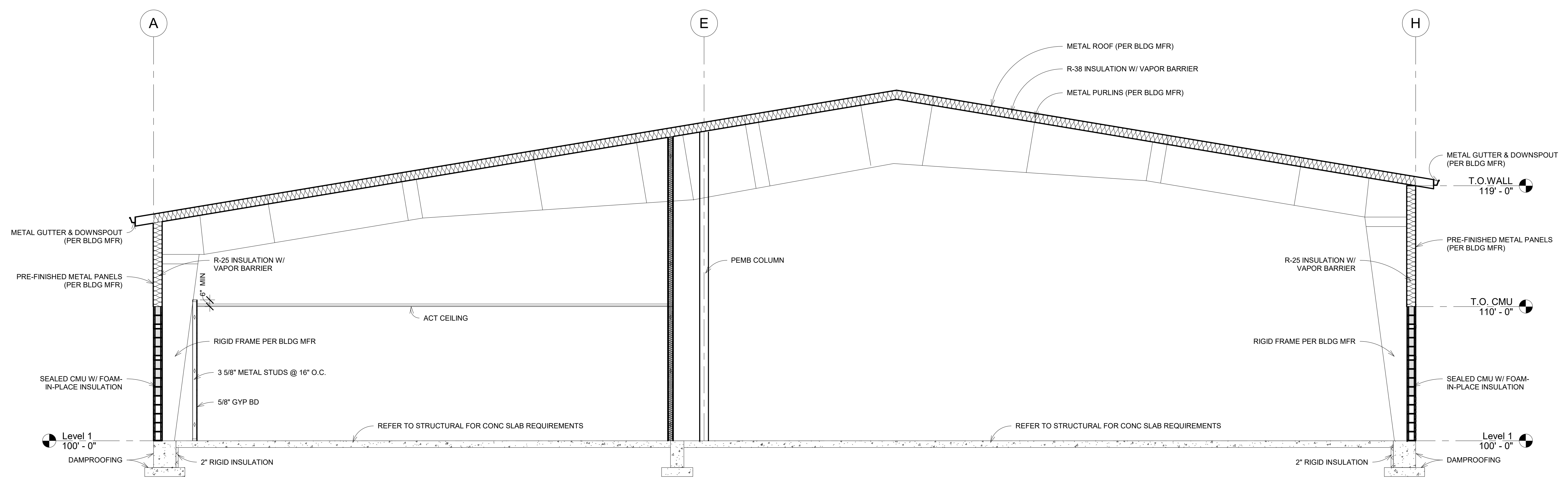
DATE:	10/8/2024
NM	RCR
Drawn	Checked
#23067	
PROJECT #	

**A4-0**

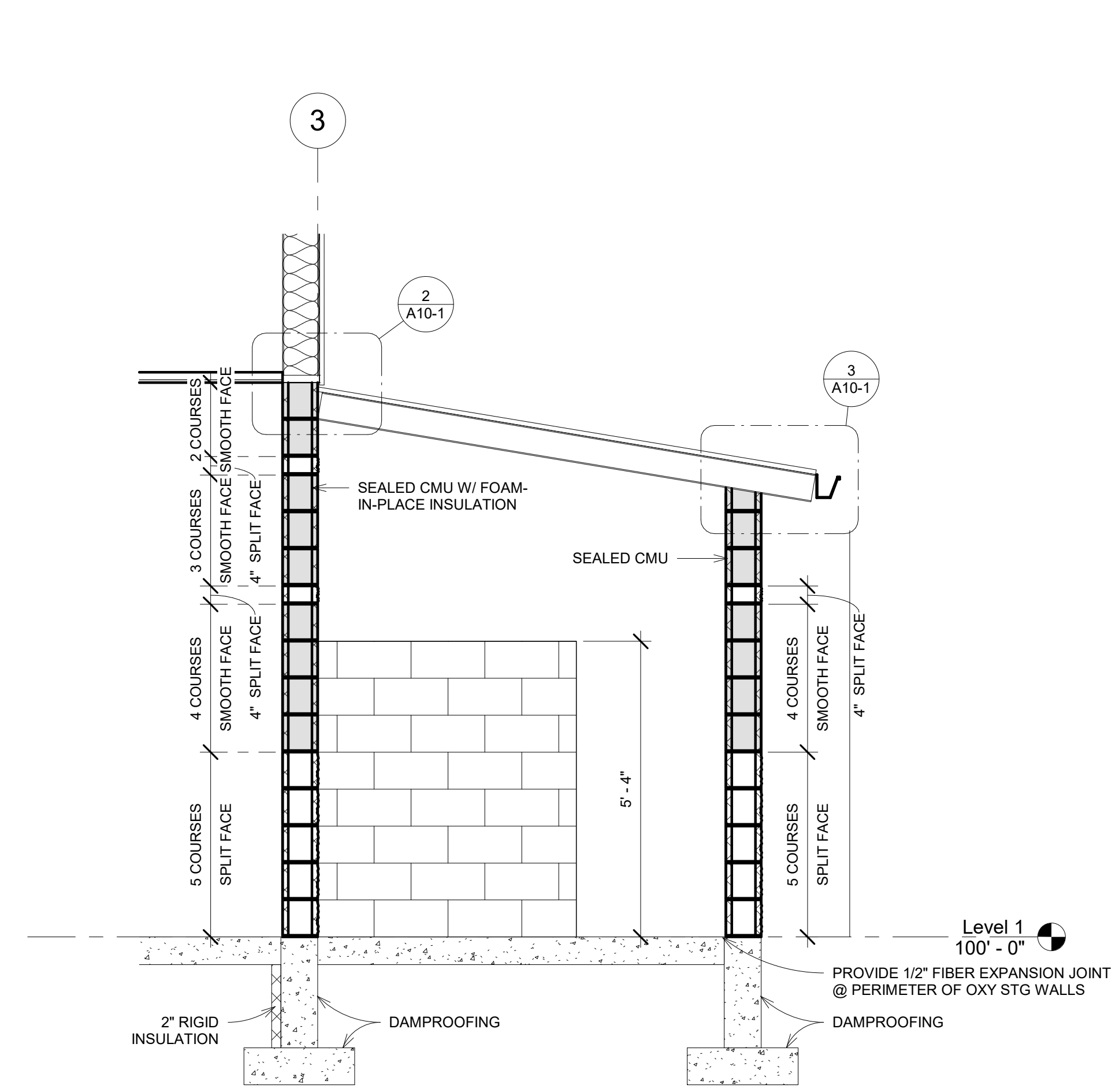
ROOF TYPE 1:  
 METAL ROOF OVER  
 PEMB INSULATION & STRUCTURE  
 ROOF TYPE 2:  
 METAL ROOF OVER  
 METAL STUD ROOF JOISTS



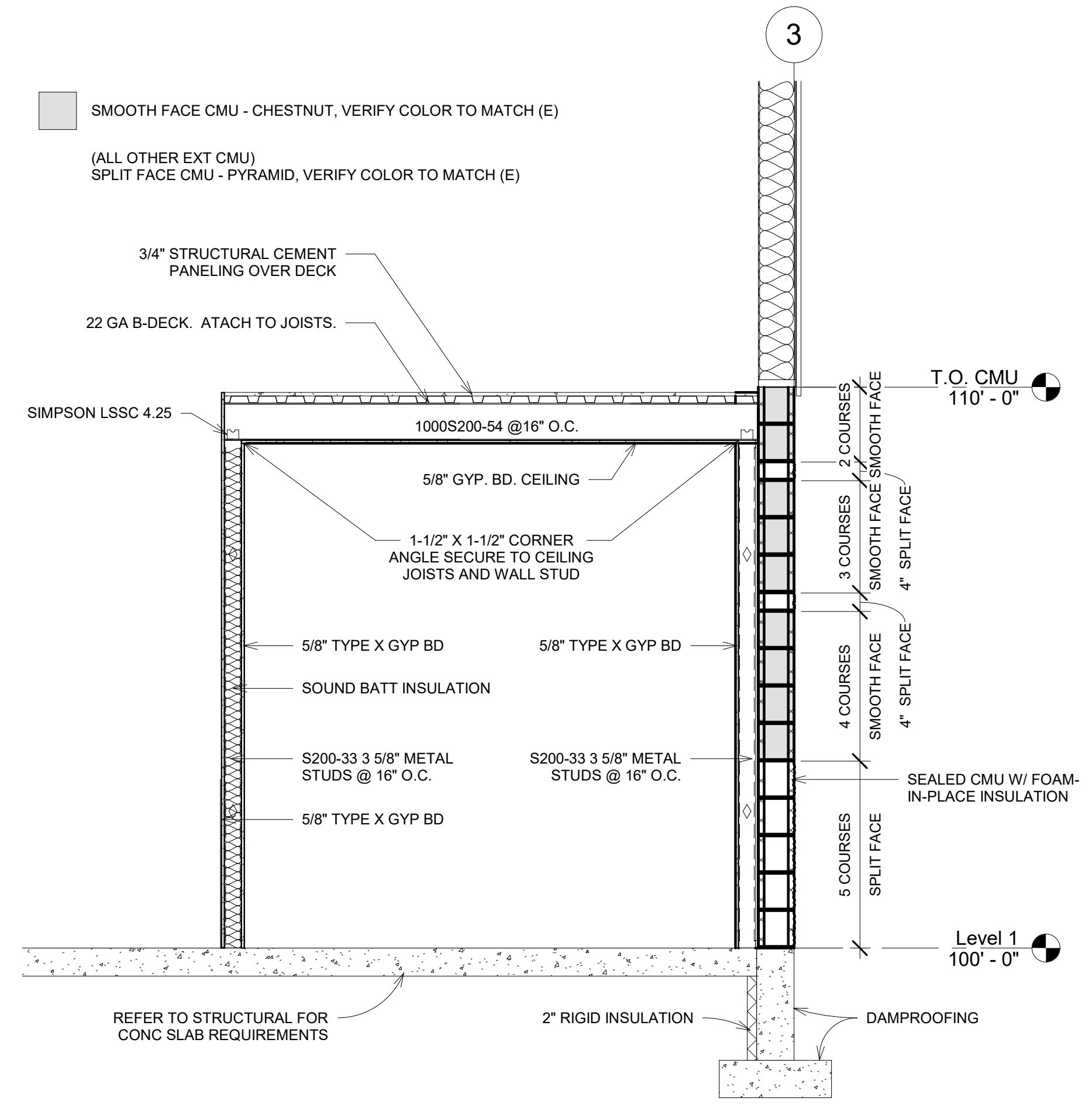
1 NEW ROOF PLAN  
 1/8" = 1'-0"



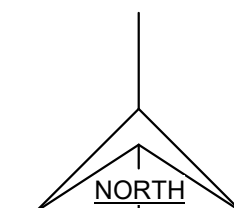
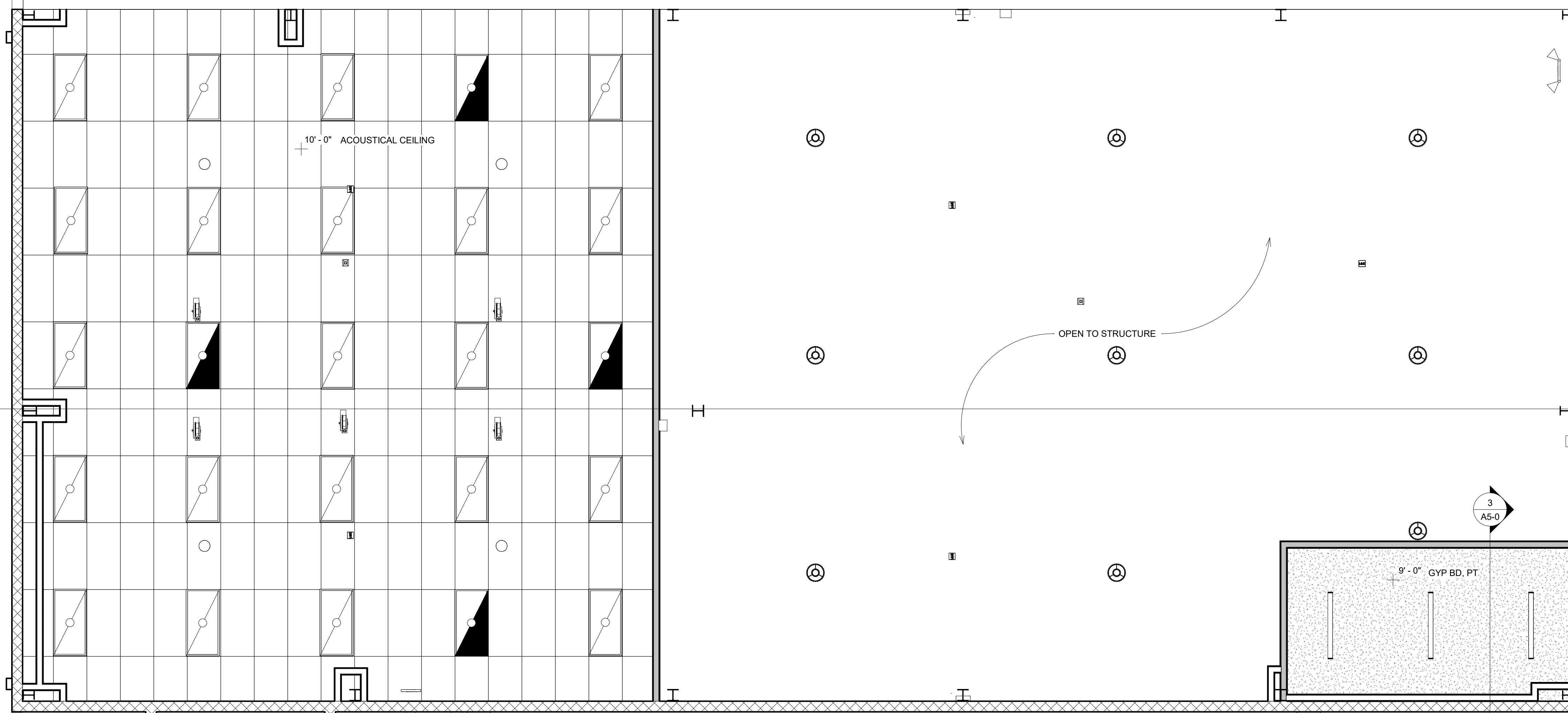
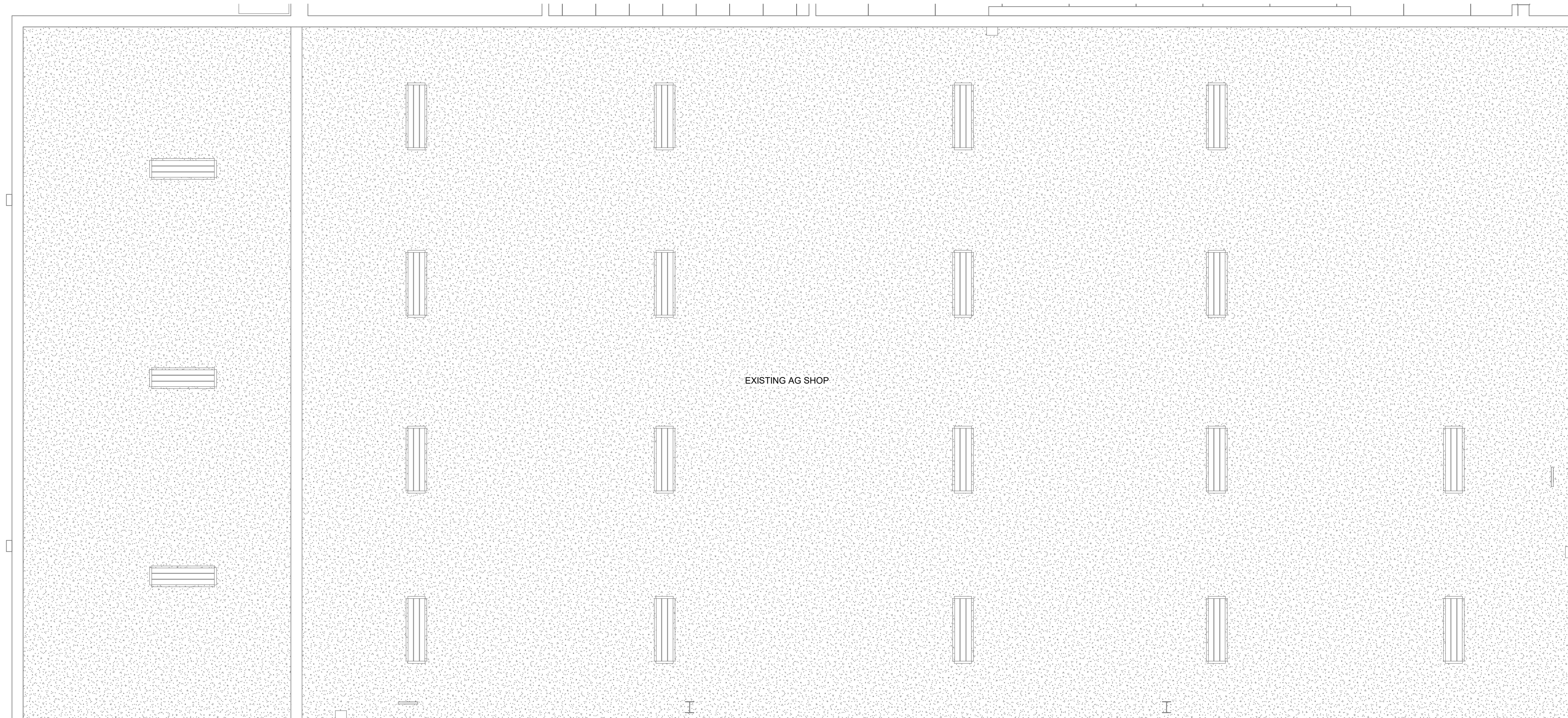
1 BLDG SECTION  
 1/4" = 1'-0"



2 OXY STORAGE  
 1/2" = 1'-0"



3 TOOL ROOM CEILING  
 1/2" = 1'-0"



1 NEW CEILING PLAN  
1/4" = 1'-0"

LICENSED ARCHITECT  
AR-985708  
*R. Colby Ricks*  
R. COLBY/RICKS  
STATE OF IDAHO  
10/8/2024

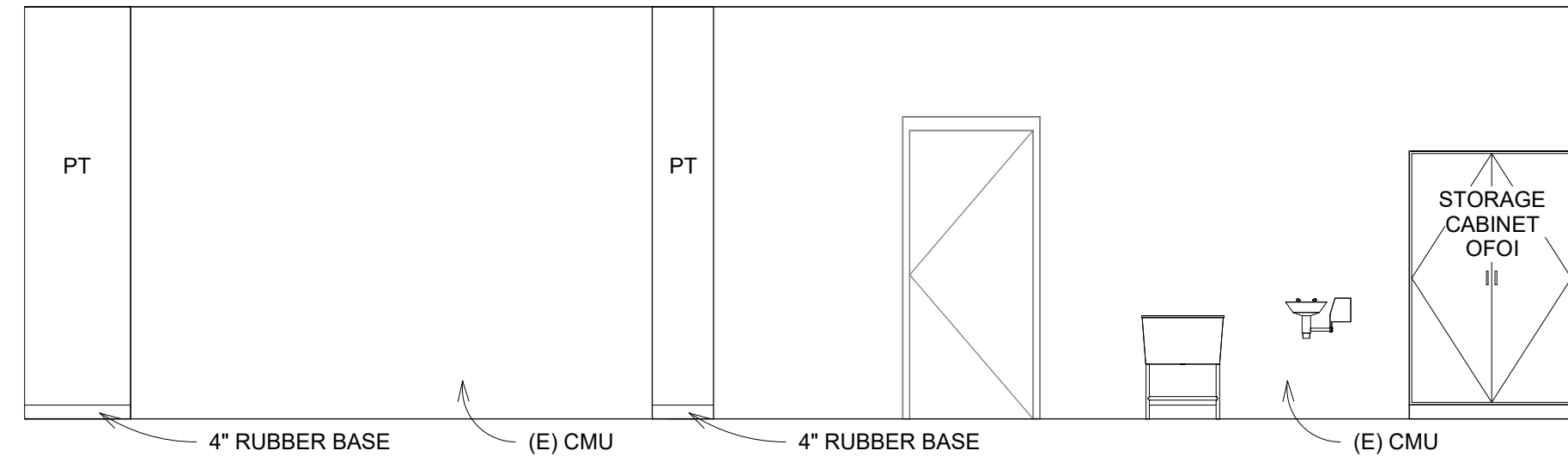
DATE

AN ADDITION FOR:  
KIMBERLY SCHOOL DISTRICT  
3682 N 3450 E, Kimberly, ID 83341  
NEW CEILING PLAN

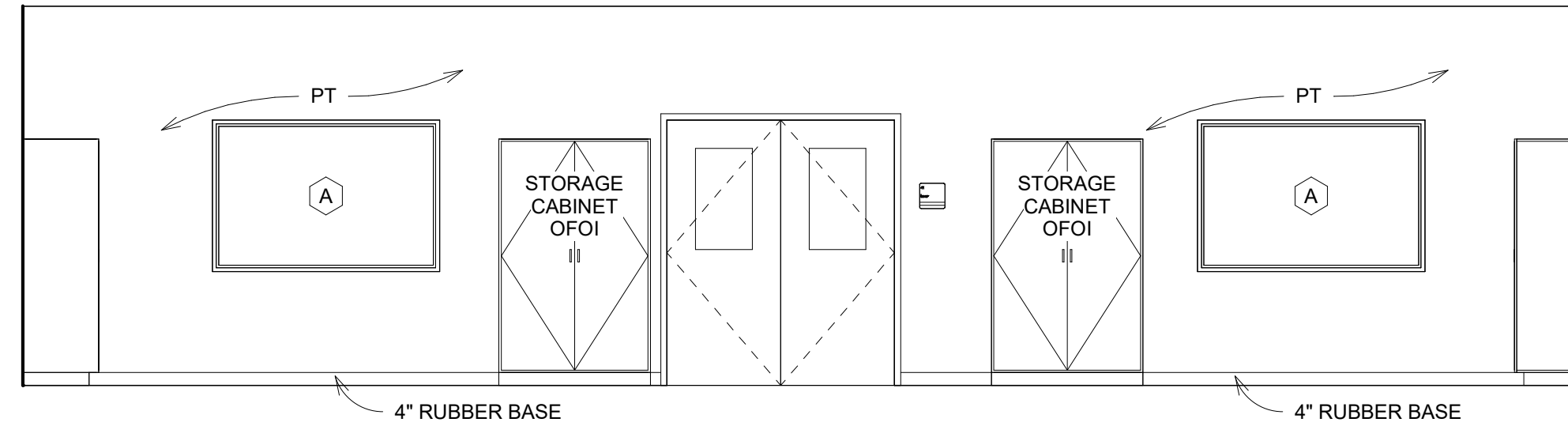
**Laughlin Ricks Architecture**  
architecture/planning  
134 3<sup>RD</sup> Ave East, # Twin Falls, Idaho 83301  
(208) 736-8050

DATE: 10/8/2024  
NM Drawn RCR  
#23067 Checked  
PROJECT #

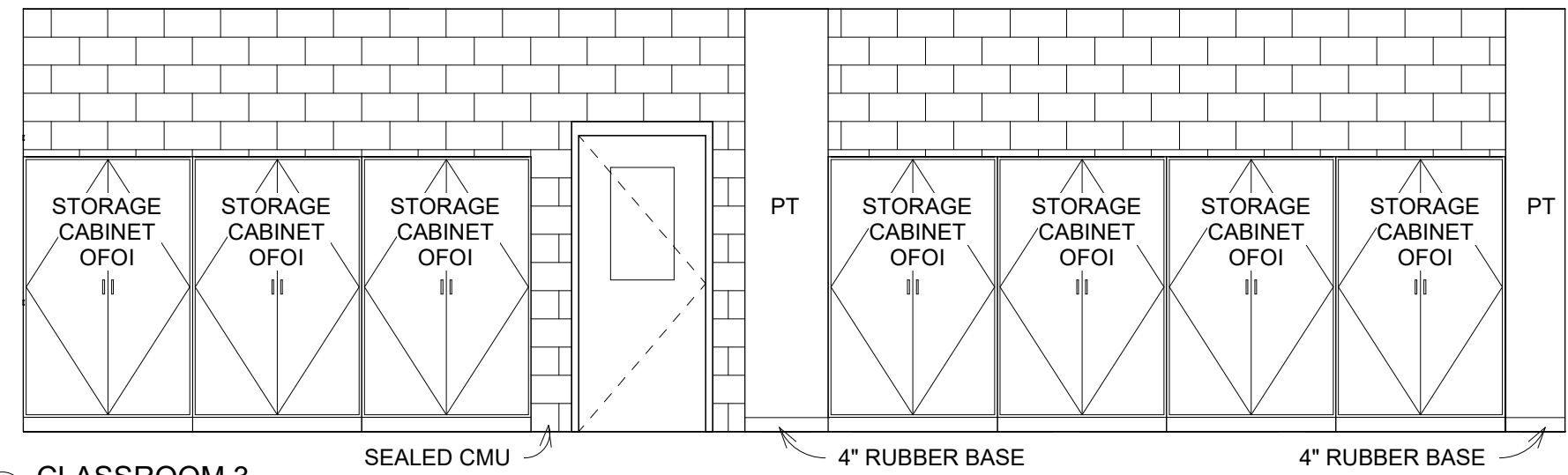
**A7-0**



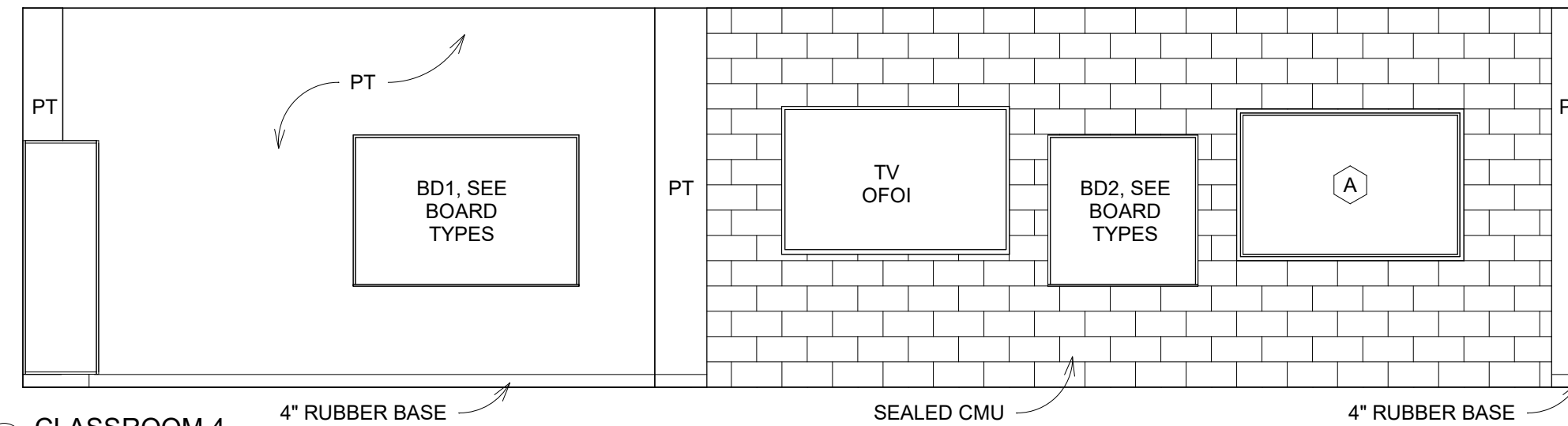
1 CLASSROOM 1  
1/4" = 1'-0"



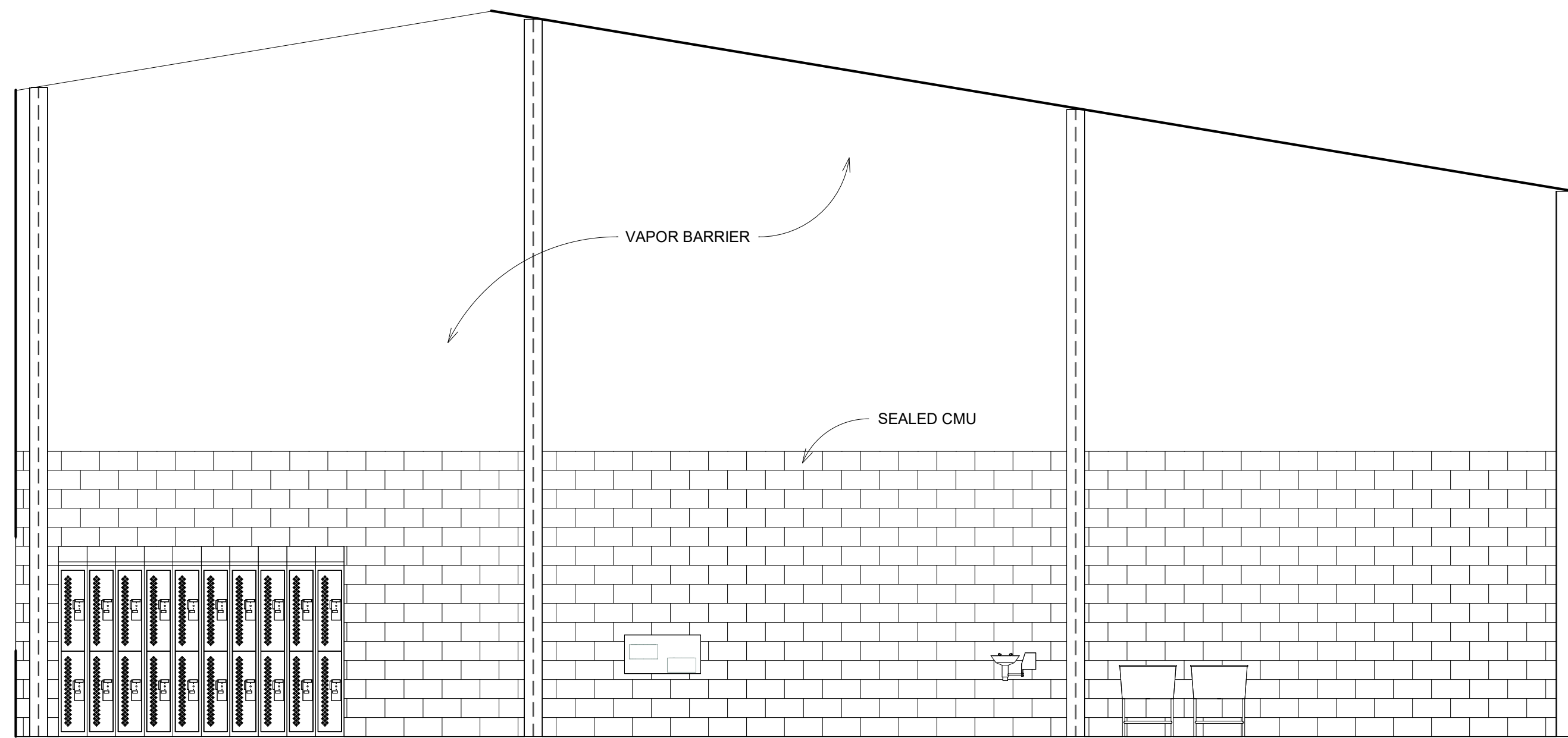
2 CLASSROOM 2  
1/4" = 1'-0"



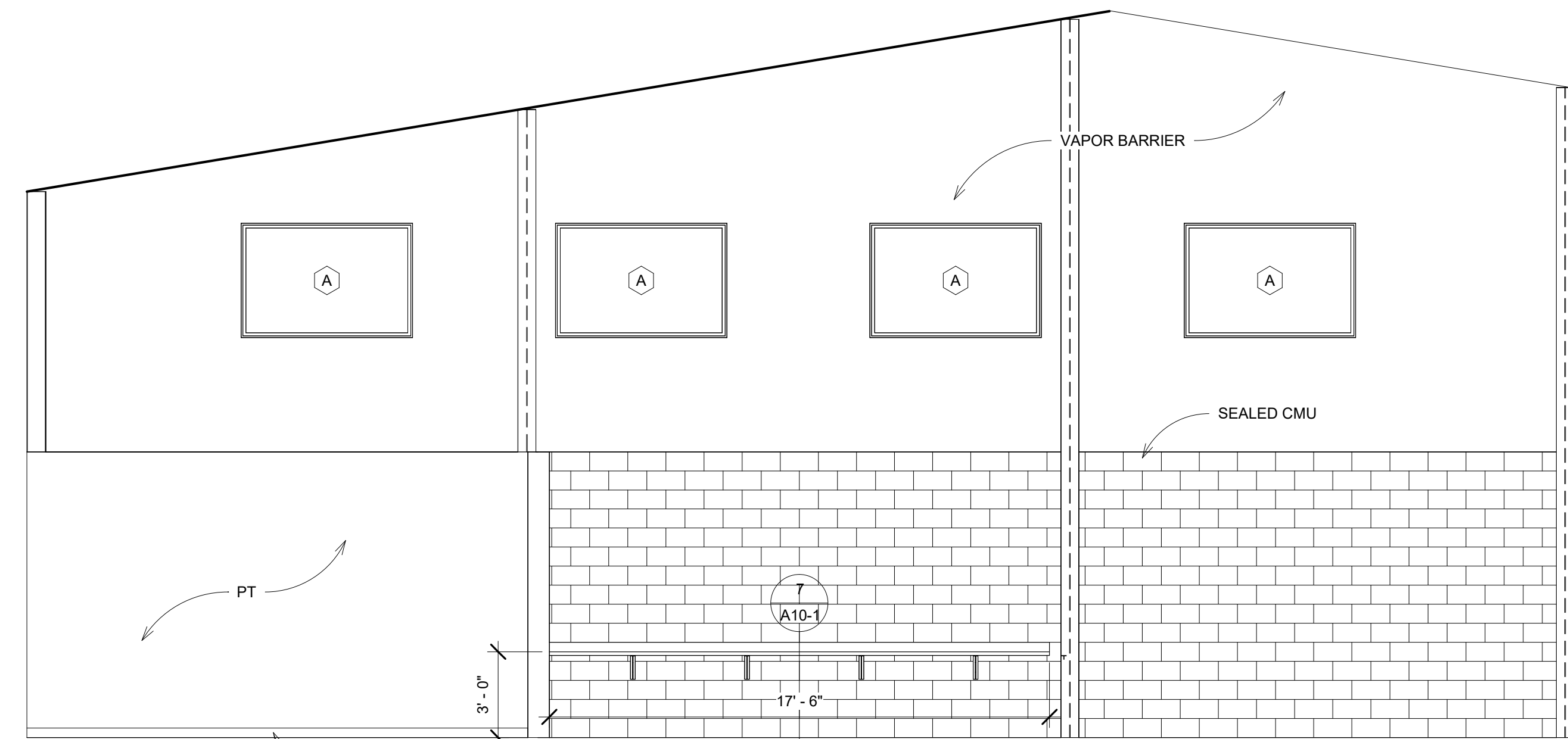
3 CLASSROOM 3  
1/4" = 1'-0"



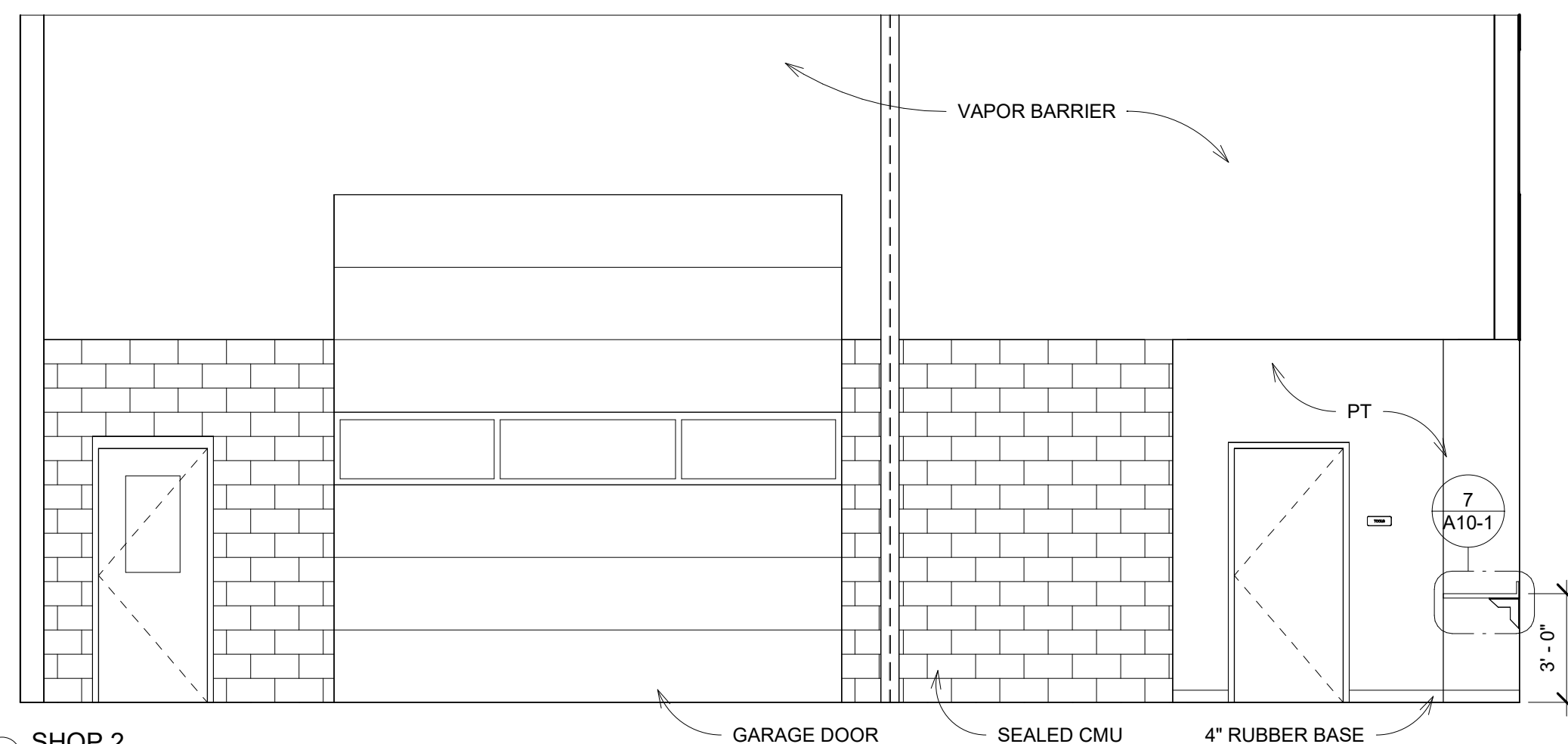
4 CLASSROOM 4  
1/4" = 1'-0"



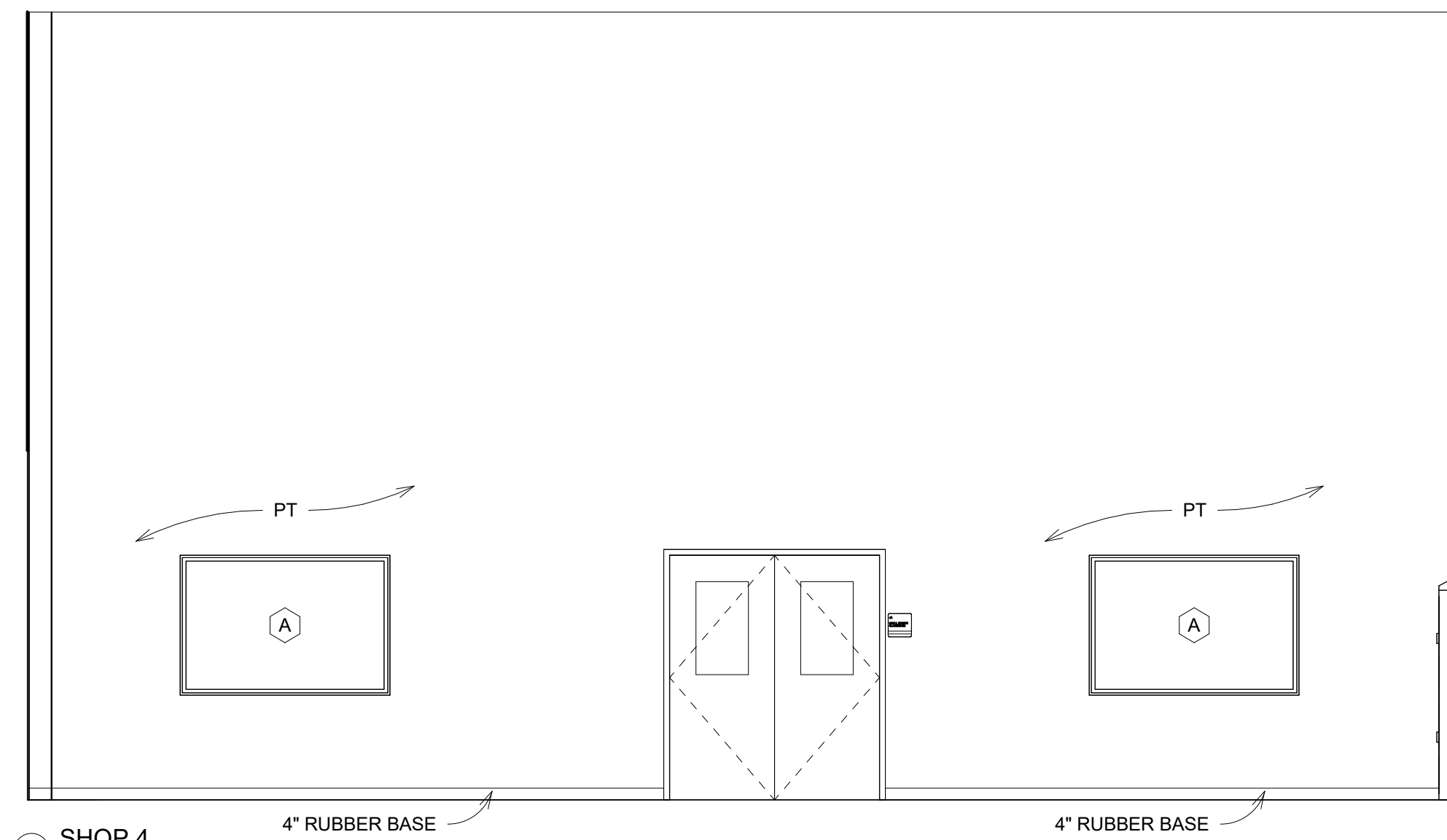
5 SHOP 1  
1/4" = 1'-0"



6 SHOP 3  
1/4" = 1'-0"



7 SHOP 2  
1/4" = 1'-0"



8 SHOP 4  
1/4" = 1'-0"

LICENSED ARCHITECT AR-985708  
*R. Colby Ricks*  
R. COLBY/RICKS  
STATE OF IDAHO  
10/8/2024

DATE \_\_\_\_\_

AN ADDITION FOR:  
KIMBERLY SCHOOL DISTRICT  
3682 N 3450 E, Kimberly, ID 83341  
INTERIOR ELEVATIONS

**Laughlin Ricks Architecture**  
architecture/planning  
134 3<sup>RD</sup> Ave East, \* Twin Falls, Idaho 83301  
(208) 736-8050

DATE: 10/8/2024  
NM Drawn RCR  
#23067 Checked  
PROJECT #

**A8-0**

Door Schedule													
DOOR	ROOM	EL	Width	Height	Thickness	DOOR			ACCESS CONTROL	FRAME		Door Glass	Comments
						Material	Finish	Accessories		Material	Finish		
1	OXY STORAGE	d	3'-0"	7'-0"	2"	HM	PT	ENTRY LEVER/ STORAGE/ CLOSER/ WEATHER-STRIP/ THRESHOLD		HM	PT		
2	SMALL ENGINE CLASSROOM	e	3'-0"	7'-0"	2"	HM	PT	ENTRY LEVER/ CLOSER/ WEATHER-STRIP/ THRESHOLD		HM	PT	TEMPERED	
3	SMALL ENGINE CLASSROOM	b	6'-0"	7'-0"	2"	HM	PT	CLASSROOM		HM	PT	TEMPERED	
4	SHOP	e	3'-0"	7'-0"	2"	HM	PT	ENTRY LEVER/ CLOSER/ WEATHER-STRIP/ THRESHOLD		HM	PT	TEMPERED	
5	SHOP	a	14'-0"	14'-0"	1 1/2"	STEEL	FF	PER MANUF STORAGE		STEEL	FF	TEMPERED	OVERHEAD DOOR 592 SERIES
6	TOOL ROOM	c	3'-0"	7'-0"	2"	HM	PT			HM	PT		

CLASSROOM: LEVER. DOOR CAN BE LOCKED FROM THE INSIDE. LEVER ALWAYS OPENS FROM THE INSIDE.

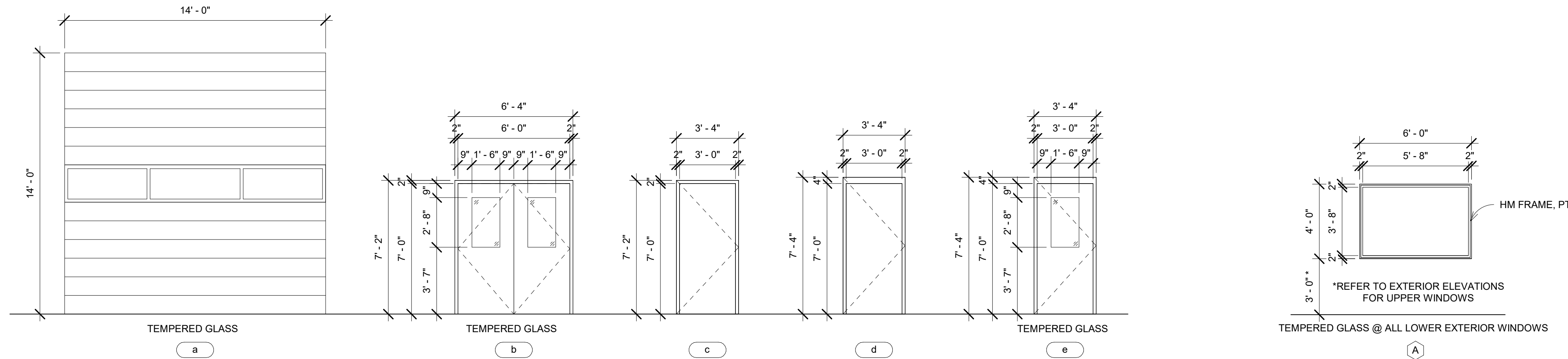
ENTRY: LEVER. KEY REQUIRED. DOOR CAN BE LOCKED FROM THE INSIDE. LEVER ALWAYS OPENS FROM THE INSIDE.

PASSAGE: LEVER. ALWAYS UNLOCKED. LEVER OPENS FROM EITHER SIDE.

PRIVACY: LEVER. DOOR CAN BE LOCKED FROM THE INSIDE. LEVER DEACTIVATES LOCK IN SINGLE MOTION.

STORAGE: LEVER. KEY REQUIRED. THE OUTSIDE LEVER IS ALWAYS LOCKED. LEVER ALWAYS OPENS FROM THE INSIDE.

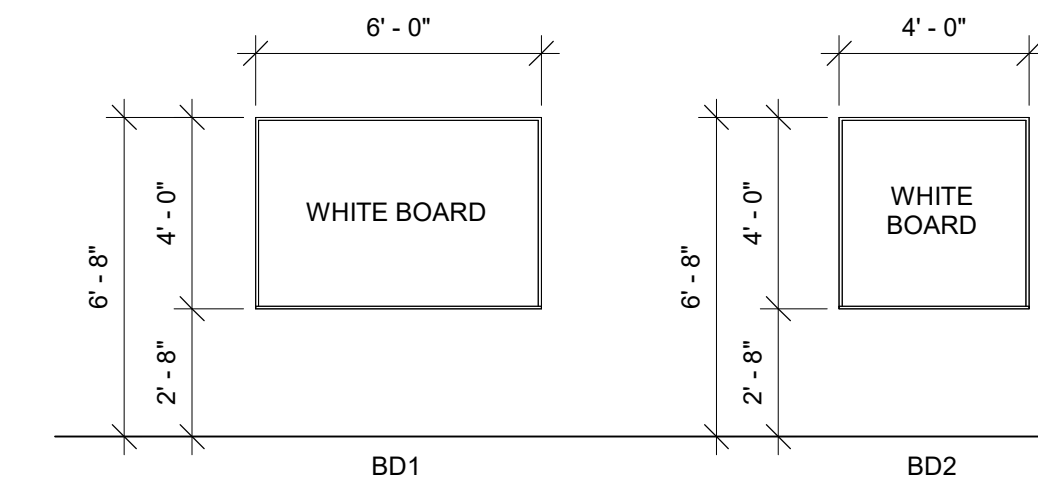
DOOR HARDWARE GENERAL NOTES  
1/4" = 1'-0"



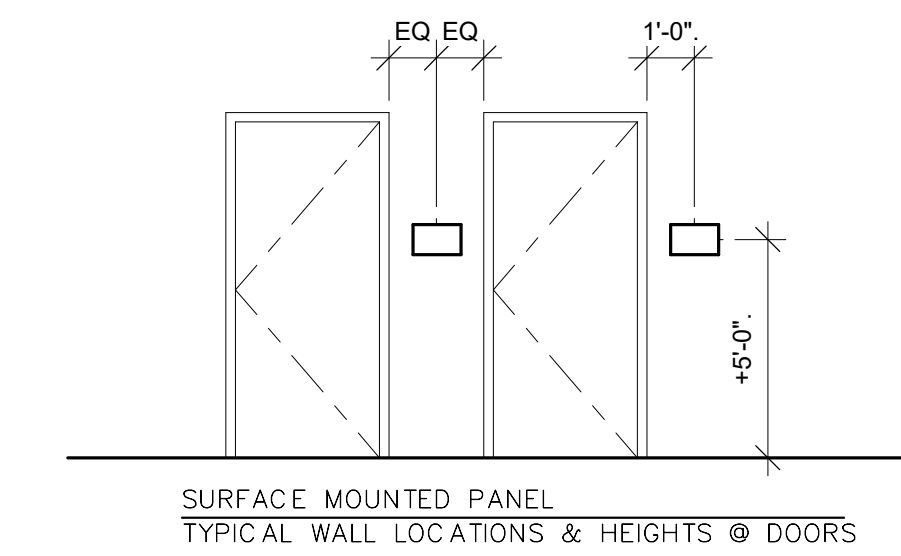
DOOR TYPES  
1/4" = 1'-0"

WINDOW TYPES  
1/4" = 1'-0"

Room Finish Schedule														
Number	Name	Base Finish	Floor Finish	Materials				Finishes				Ceiling Material	Ceiling Finish	Remarks
				North	East	South	West	North	East	South	West			
1	SMALL ENGINE CLASSROOM	4" RUBBER @ GYP BD	SEALED CONC	(E) CMU	GYP BD	CMU	CMU/GYP BD	SEALED	PT	SEALED	SEALED/PT GYP BD	2X4 ACT	FF	
2	OXY STORAGE	-	SEALED CONC	CMU	CMU	CMU	CMU	SEALED	SEALED	SEALED	SEALED	OPEN TO STRUCTURE	-	
3	SHOP	4" RUBBER @ GYP BD	SEALED CONC	(E) CMU	CMU, GYP BD	CMU, GYP BD	GYP BD	SEALED	PT GYP BD	PT GYP BD	PT GYP BD	OPEN TO STRUCTURE	-	
4	TOOL ROOM	4" RUBBER @ GYP BD	SEALED CONC	GYP BD	CMU	GYP BD	GYP BD	PT	SEALED	PT	PT	GYP BD	PT	

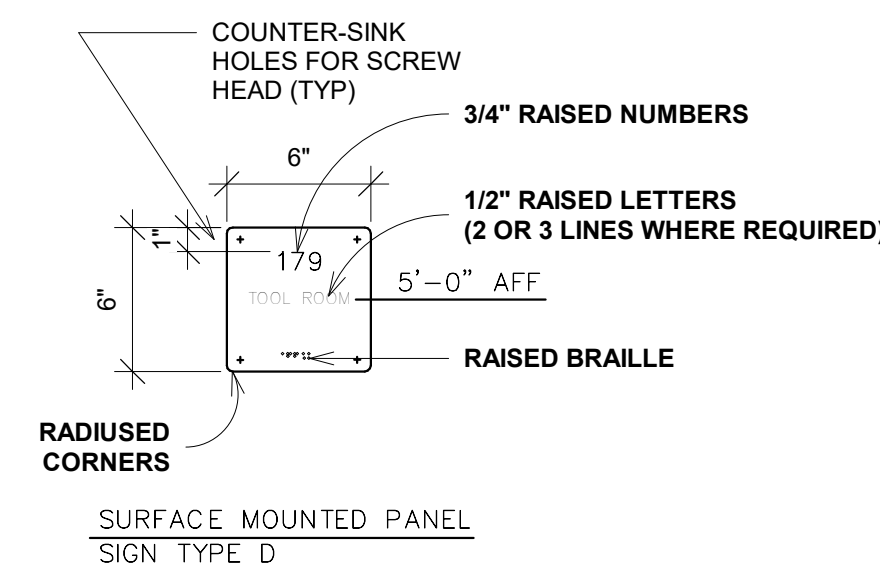
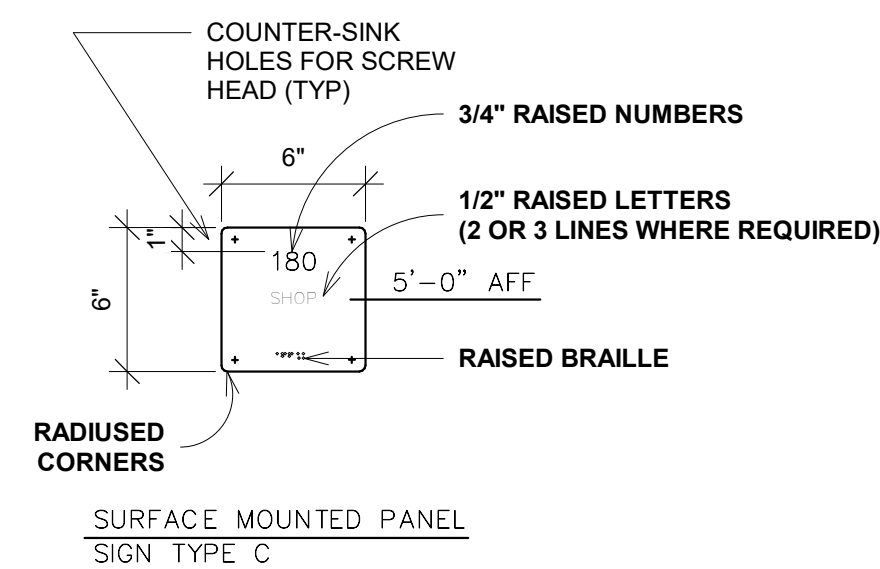
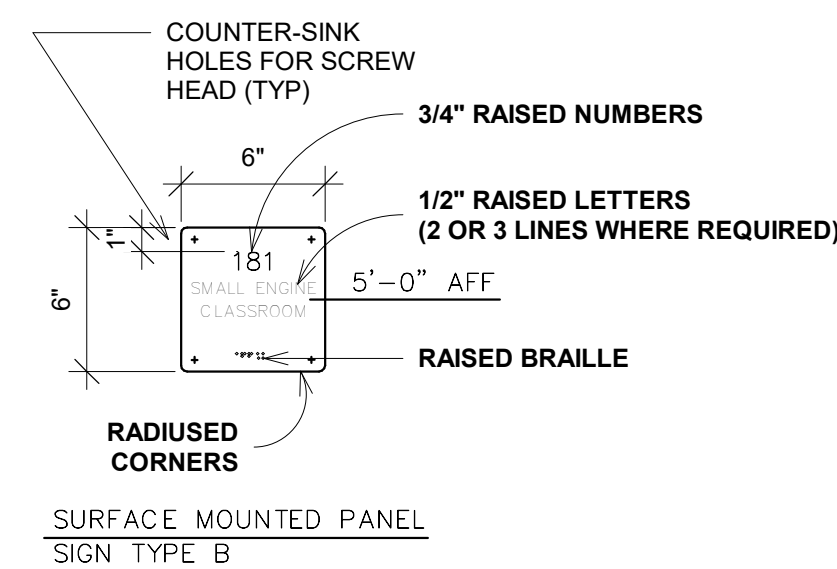
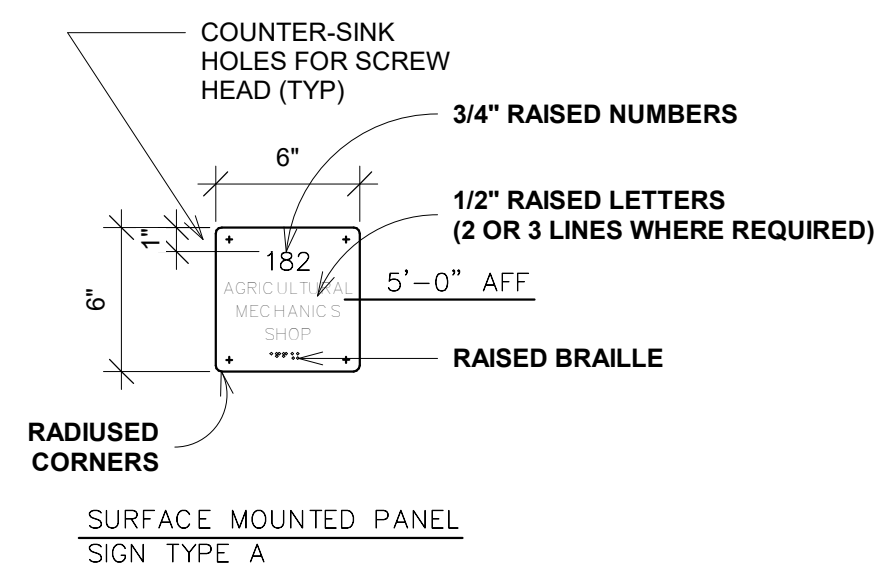


BOARD TYPES  
1/4" = 1'-0"

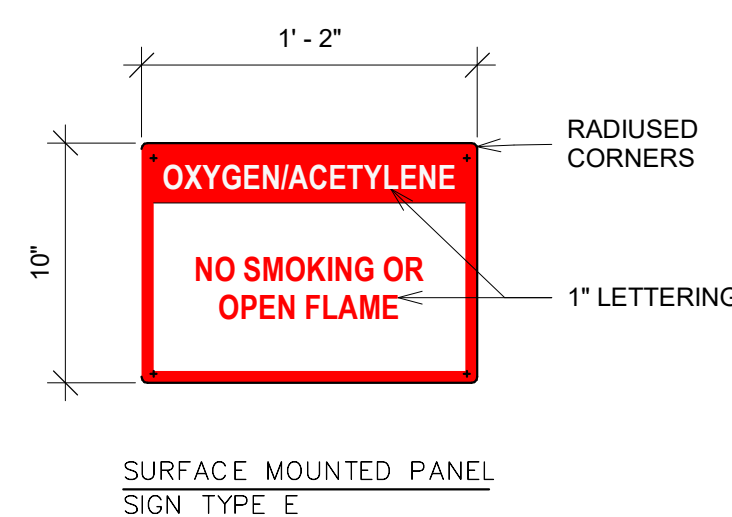


SURFACE MOUNTED PANEL  
1 1/2" = 1'-0"

SIGNAGE SHALL BE BLACK W/ WHITE LETTERING TO MATCH (E)

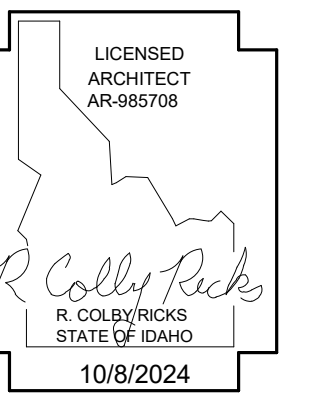


SIGNAGE - SIGNAGE TYPES  
1 1/2" = 1'-0"



SIGNAGE - SIGNAGE TYPES - RED  
1 1/2" = 1'-0"

- SHALL BE FABRICATED FROM .080 ALUMINUM SHEET WITH MIN. OF .75" RADIUS CORNERS
- FONT STYLE IS HANDEL GOTHIC BT CAPITAL FONTS WITH ADDITIONAL KERNING BETWEEN LETTERS
- THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (3990 SERIES VIP TYPE IX) APPLIED AS A BACKGROUND
- LETTERING/GRAPHICS SHALL BE ONE OF THE FOLLOWING:
  - 3M ELECTROCUT FILM RED 1172 OR ORACAL 8300 TRANSPARENT CAL 201C RED OR EQUIVELANT IN DURABILITY, INVERSE CUT TO ALLOW REFLECTIVE BACKGROUND TO SHOW THROUGH LETTERING.
  - SCREEN PRINTED USING 3M 8801 SERIES TRAFFIC SIGN RED TRANSLUCENT INK
- SIGNS USED IN BUILDING INTERIORS ARE NOT REQUIRED TO USE A REFLECTIVE BACKGROUND.
- ALL SIGNAGE AND CHANGES MUST BE PRE-APPROVED BY THE FIRE MARSHAL



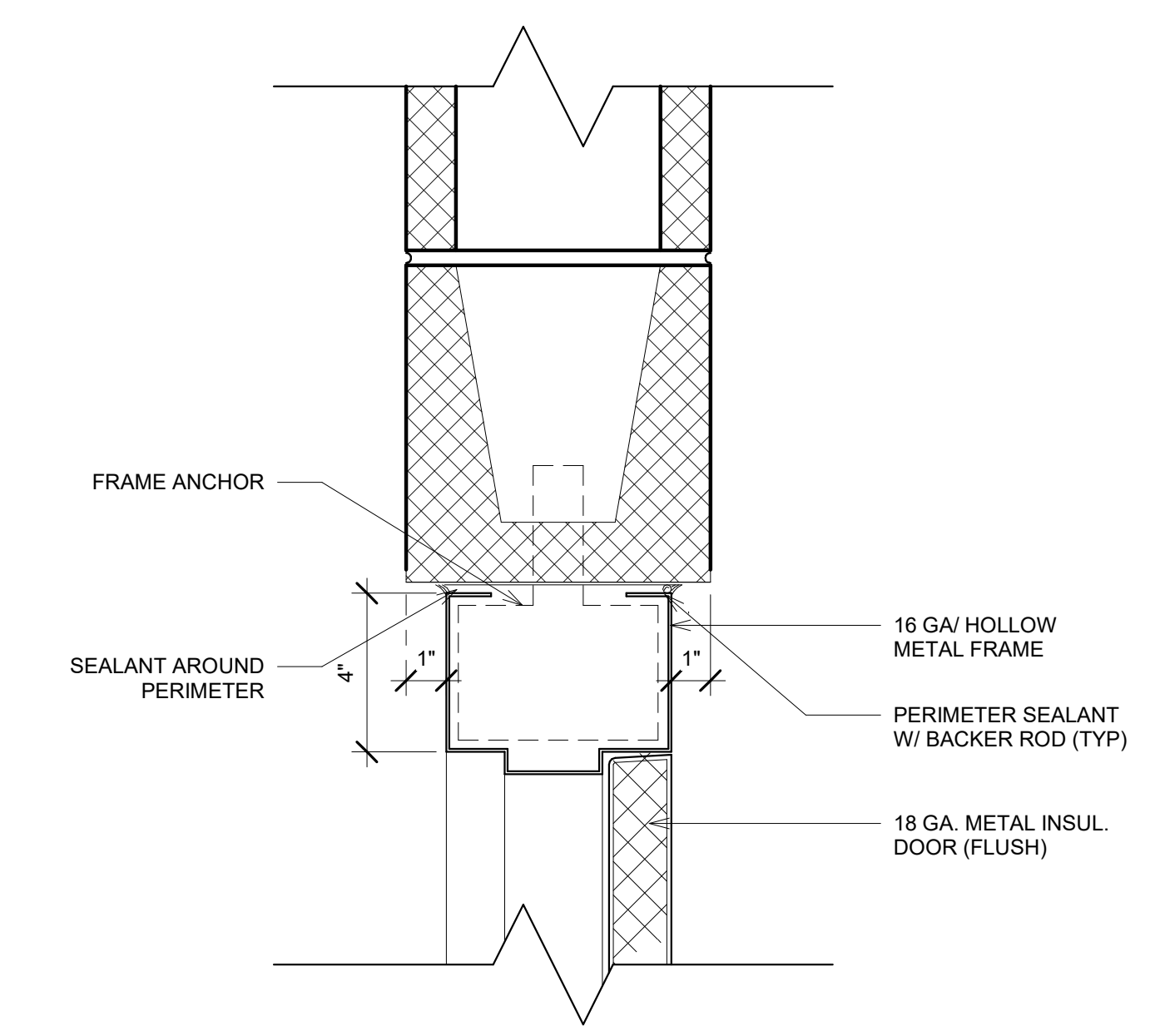
DATE \_\_\_\_\_

AN ADDITION FOR:  
KIMBERLY SCHOOL DISTRICT  
3682 N 9450 E, Kimberly, ID 83341  
DOOR, WINDOW, & SIGNAGE TYPES

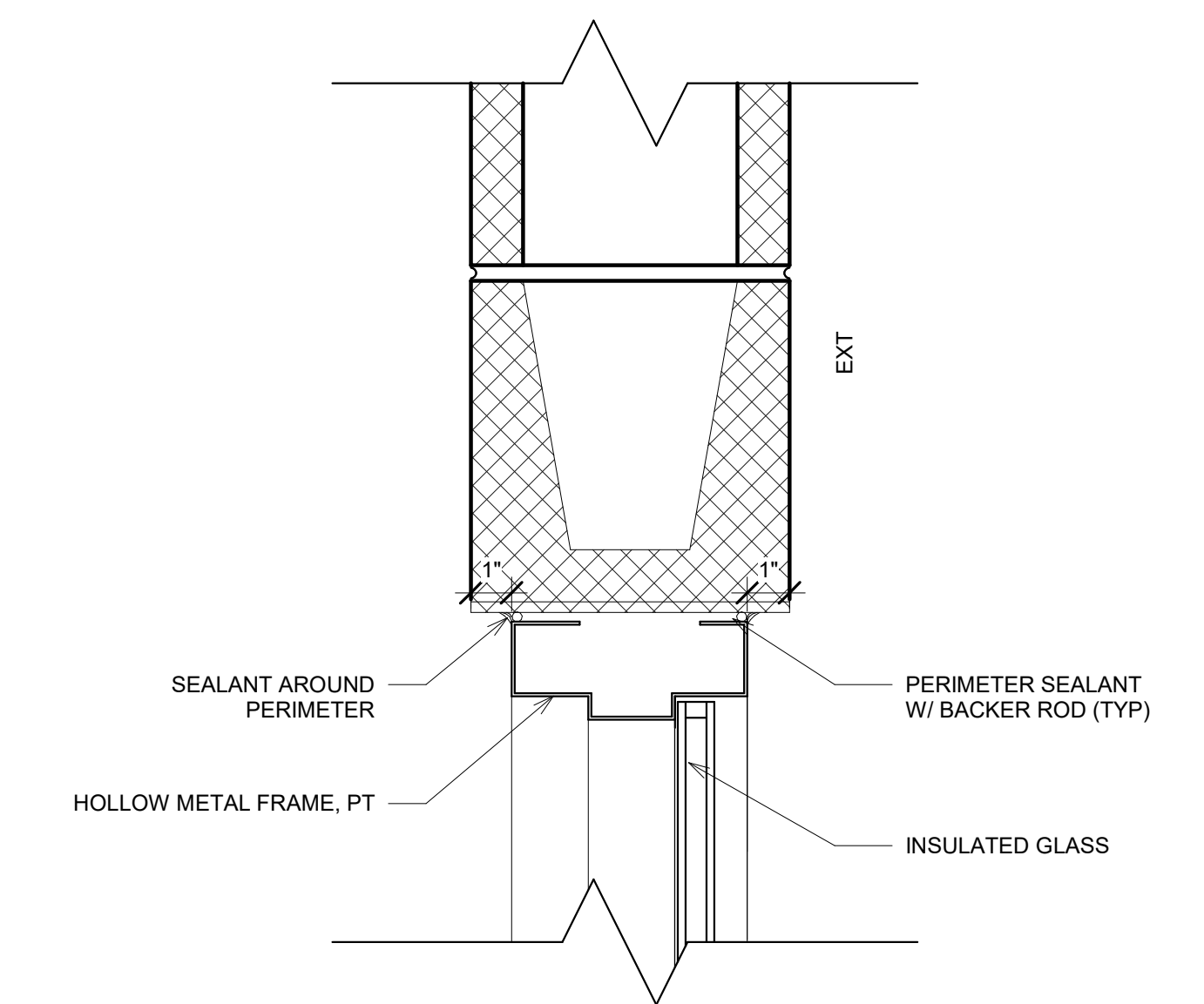
Laughlin Ricks Architecture  
architecture/planning  
134 3<sup>RD</sup> Ave East, \*Twin Falls, Idaho 83301  
(208) 736-8050

DATE: 10/8/2024  
NM Drawn RCR  
#23067 Checked  
PROJECT #

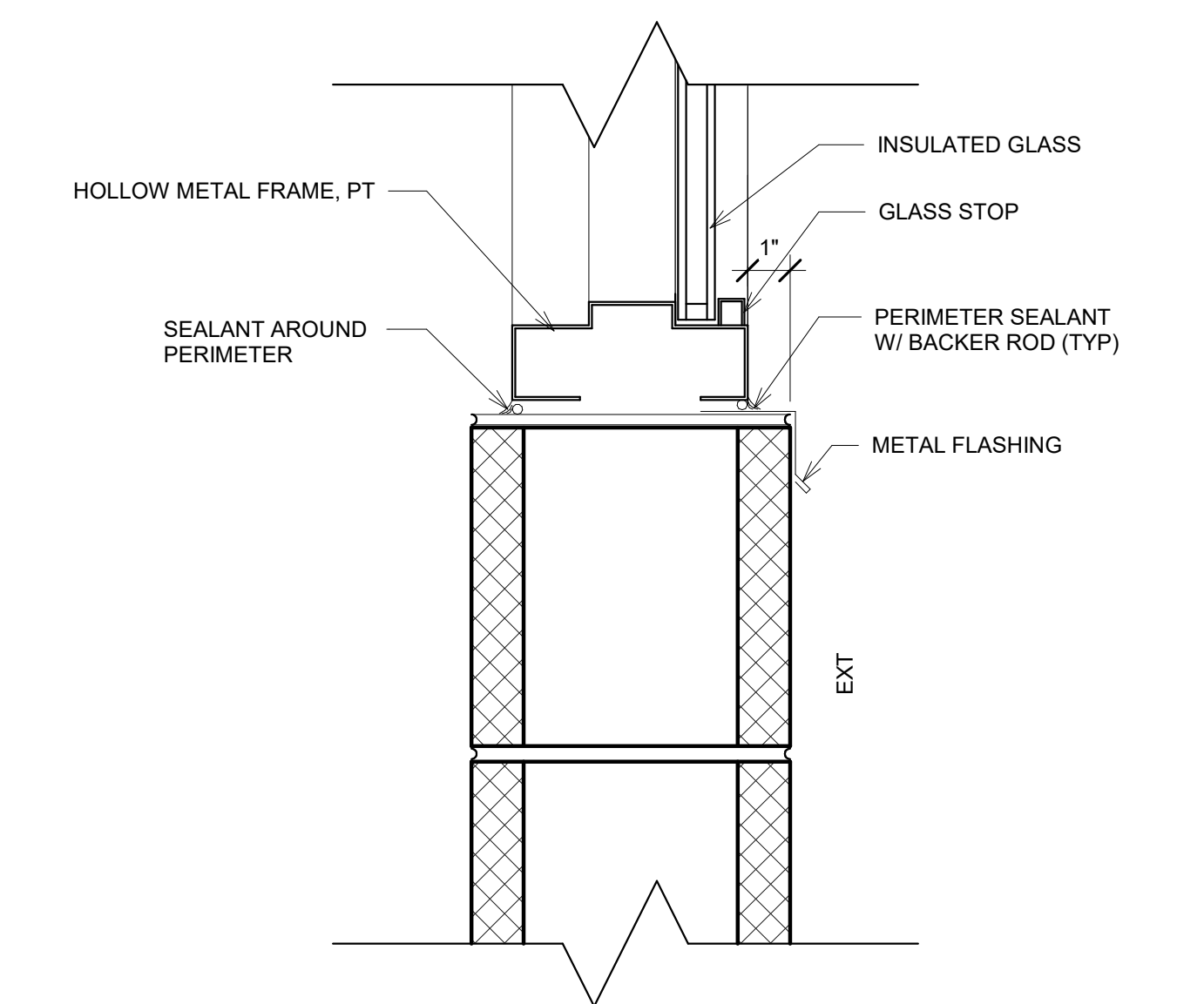
A9-0



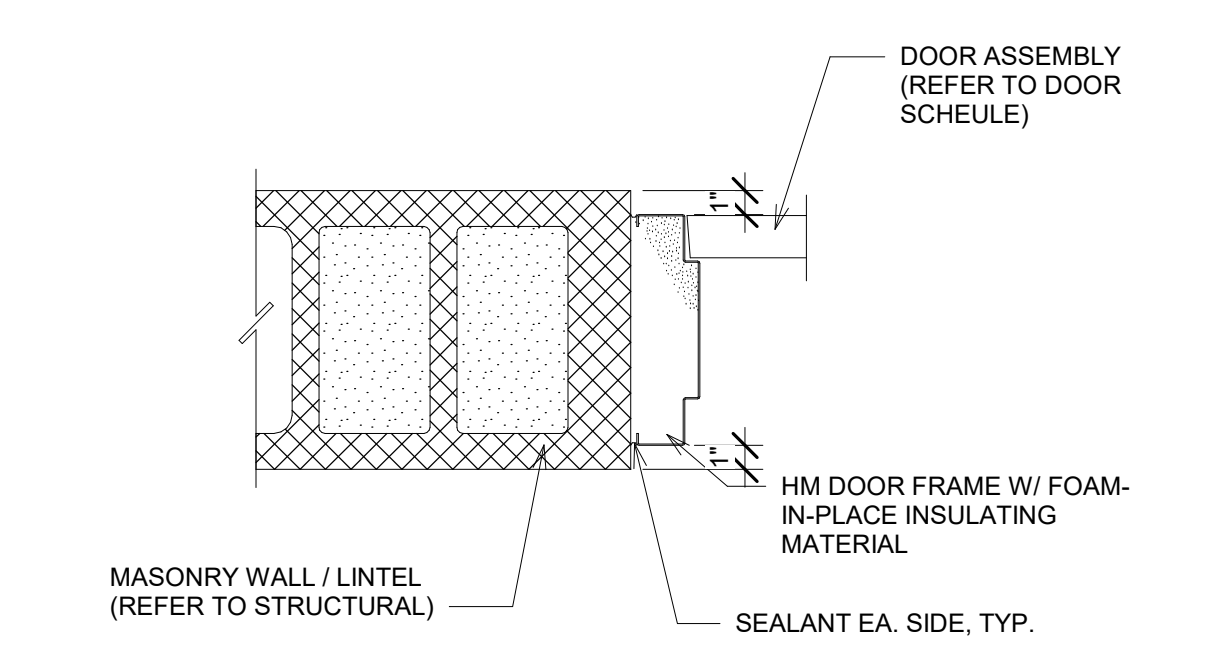
1 EXTERIOR DOOR HEAD DETAIL  
 3" = 1'-0"



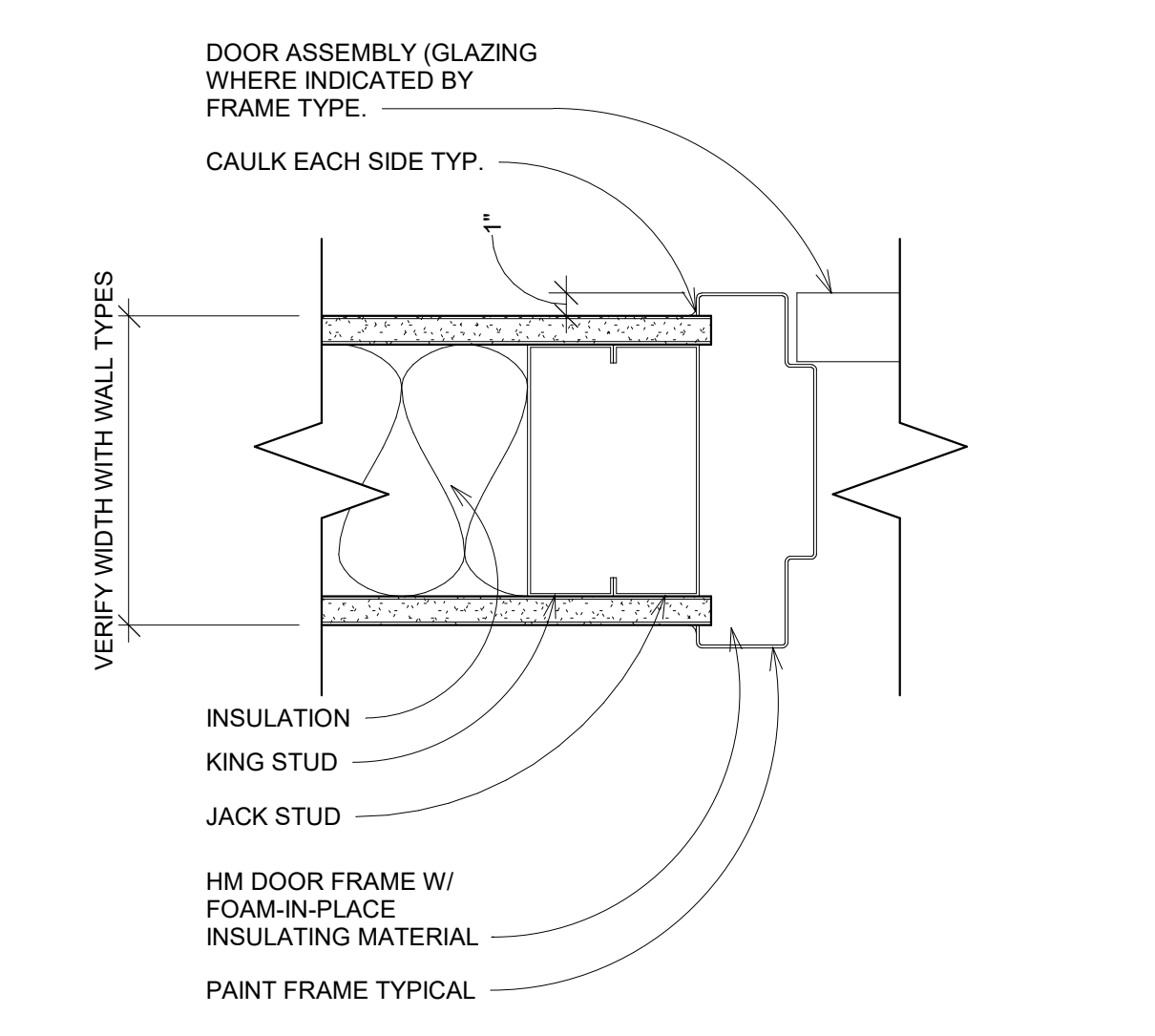
2 EXTERIOR WINDOW HEAD @ CMU DETAIL  
 3" = 1'-0"



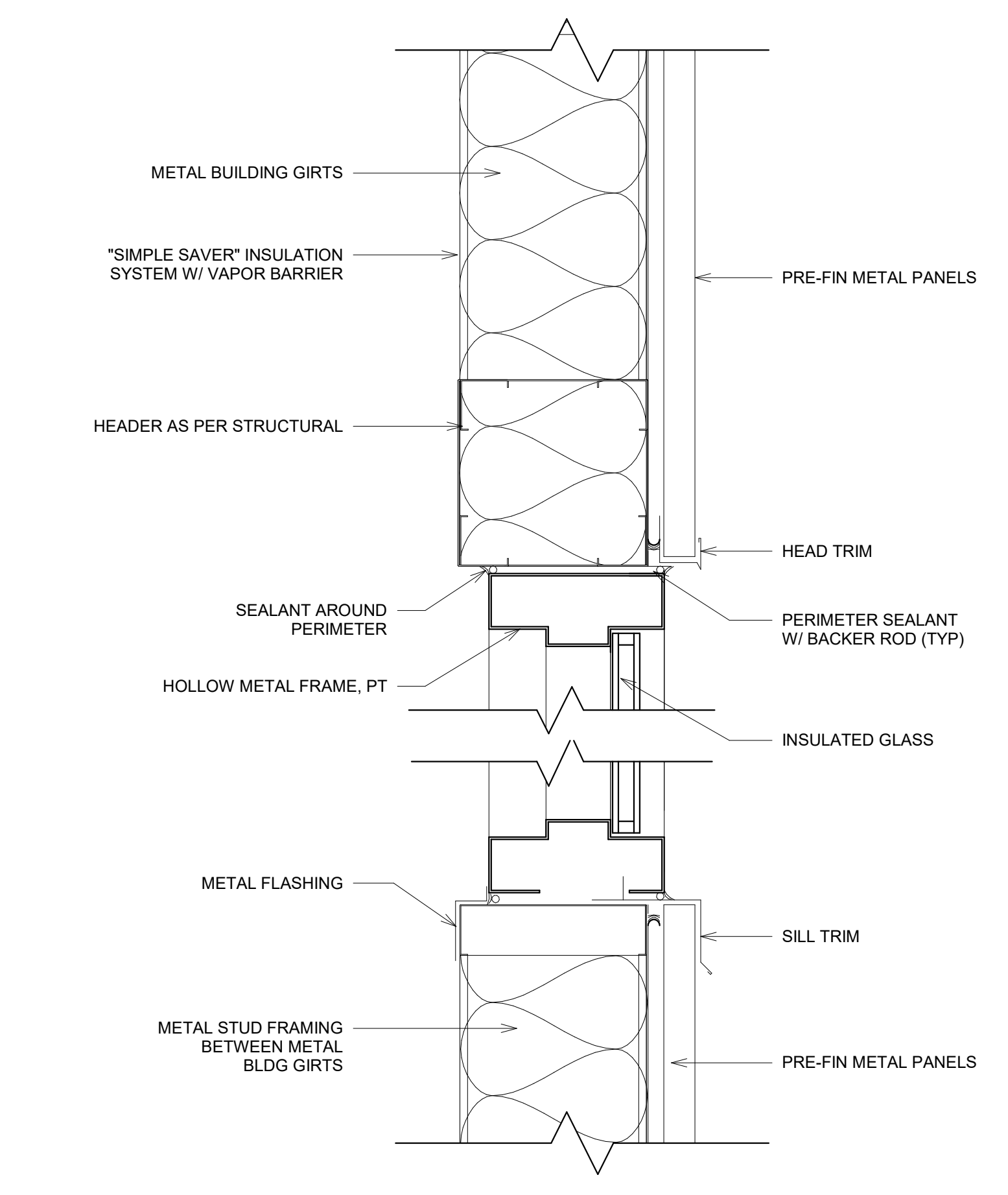
3 EXTERIOR WINDOW SILL @ CMU DETAIL  
 3" = 1'-0"



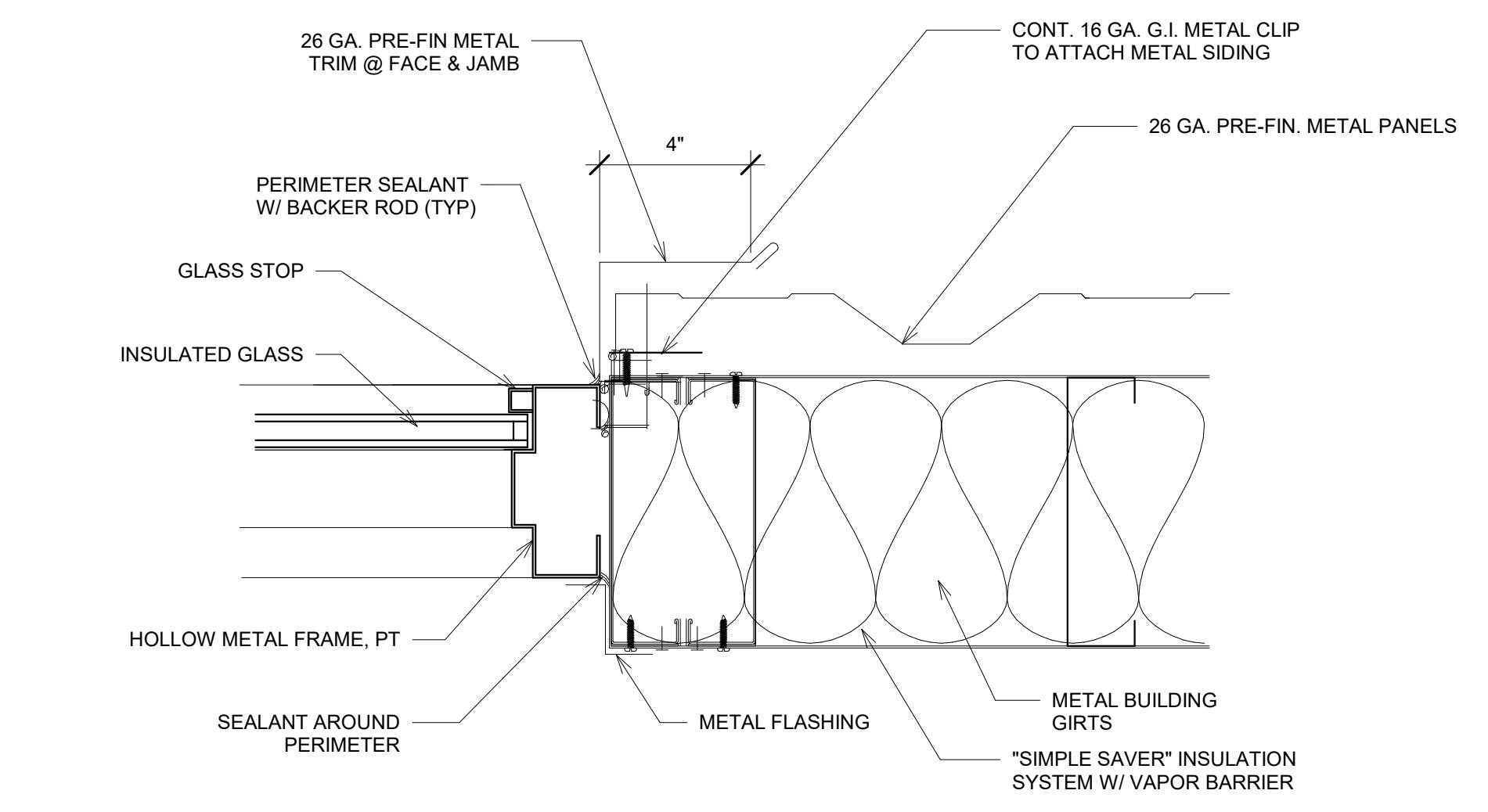
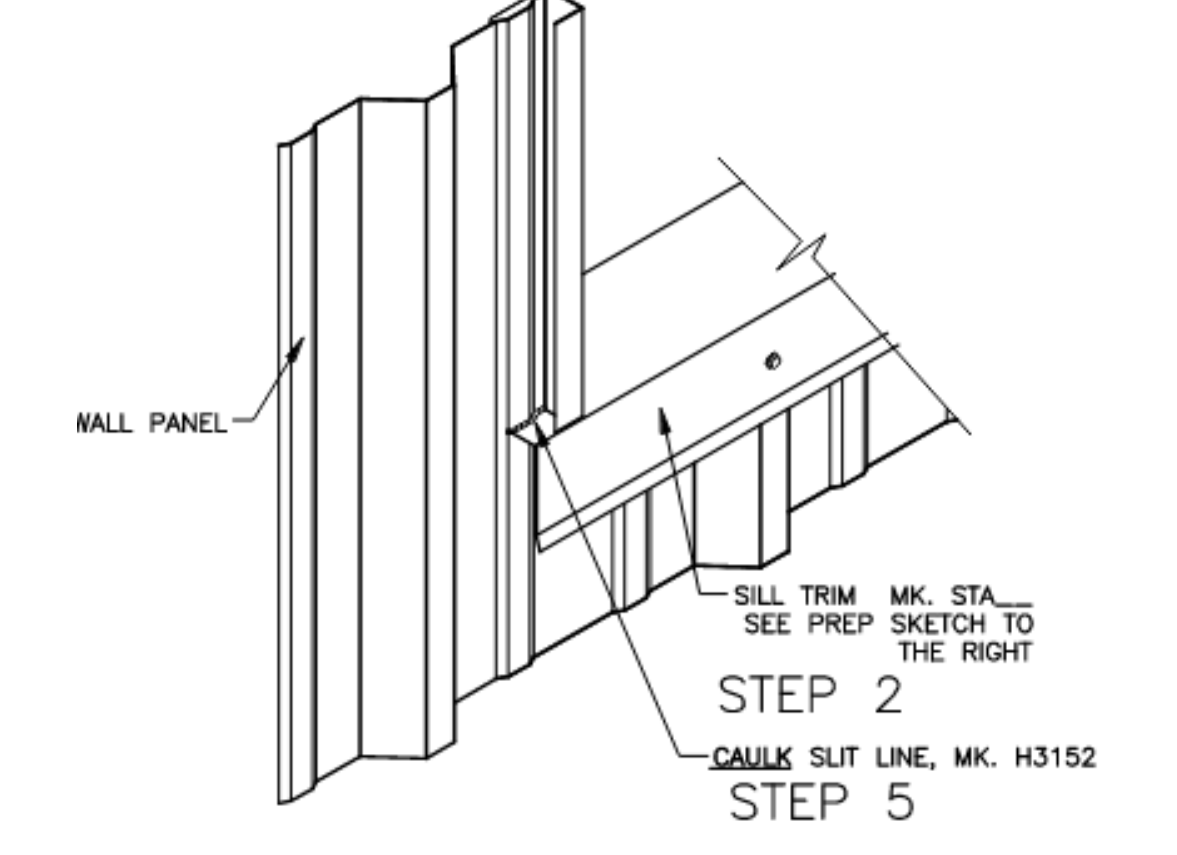
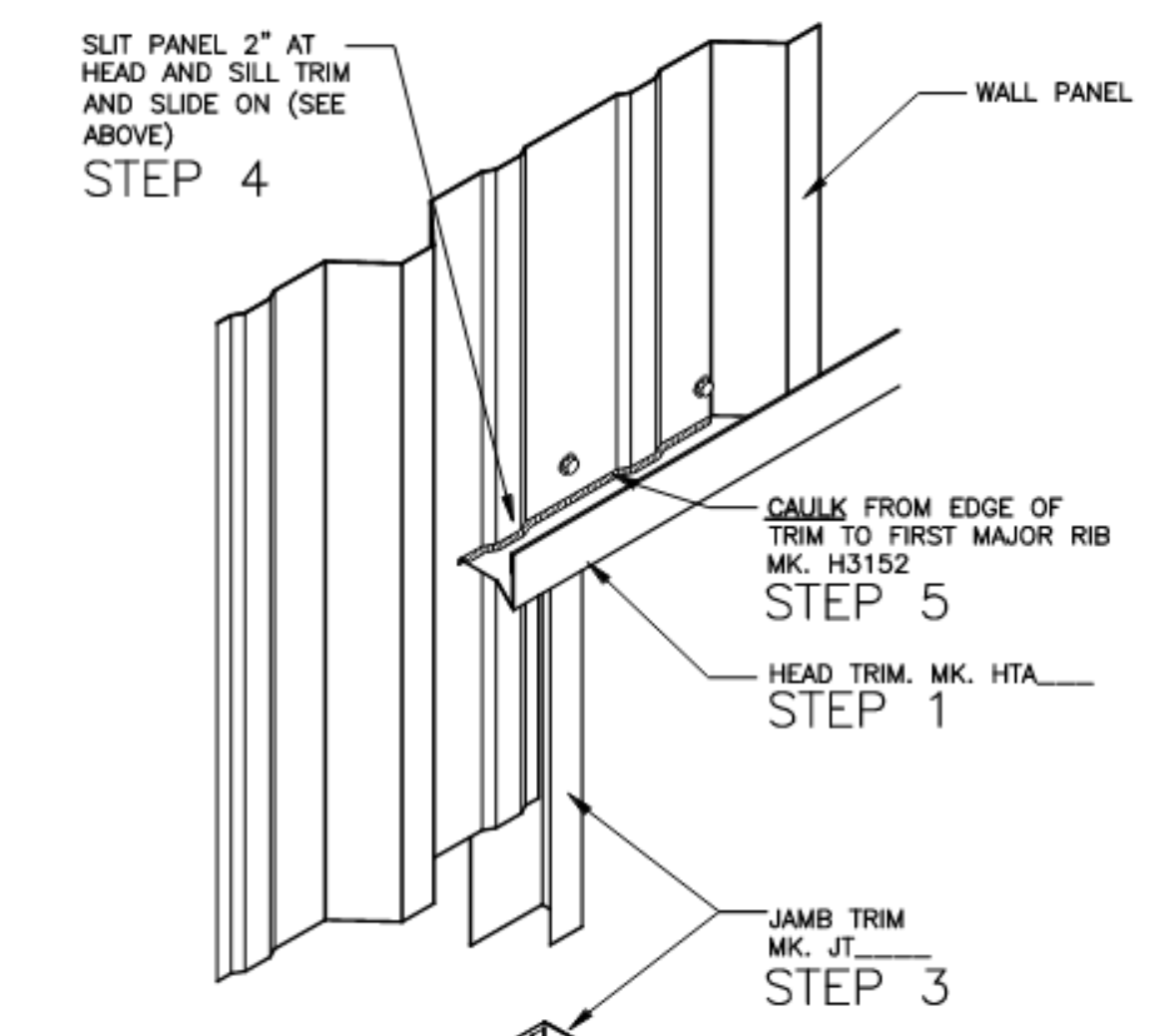
4 HM DOOR JAMB/HEAD @ CMU  
 1 1/2" = 1'-0"



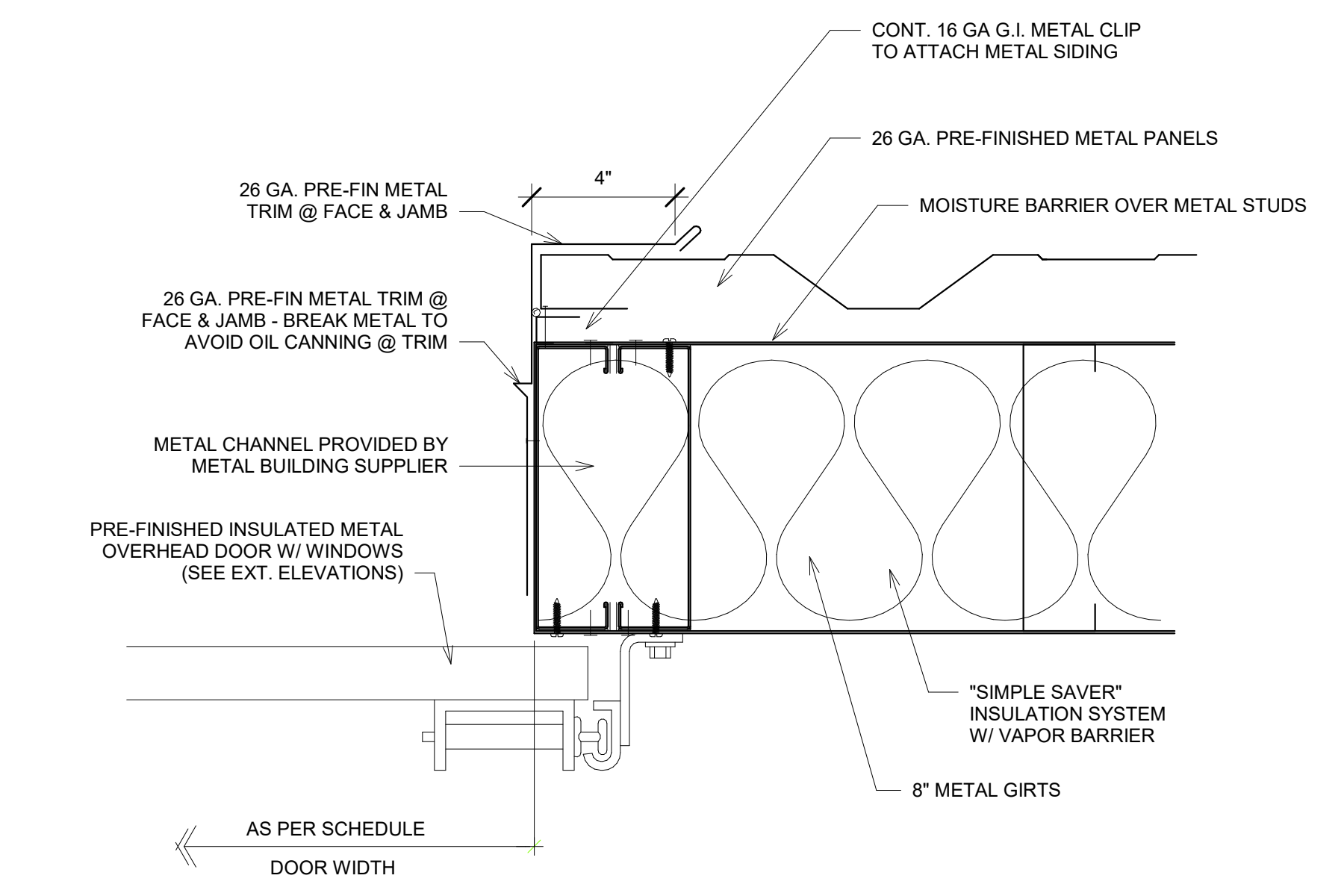
5 HM INTERIOR DOOR JAMB DETAIL  
 3" = 1'-0"



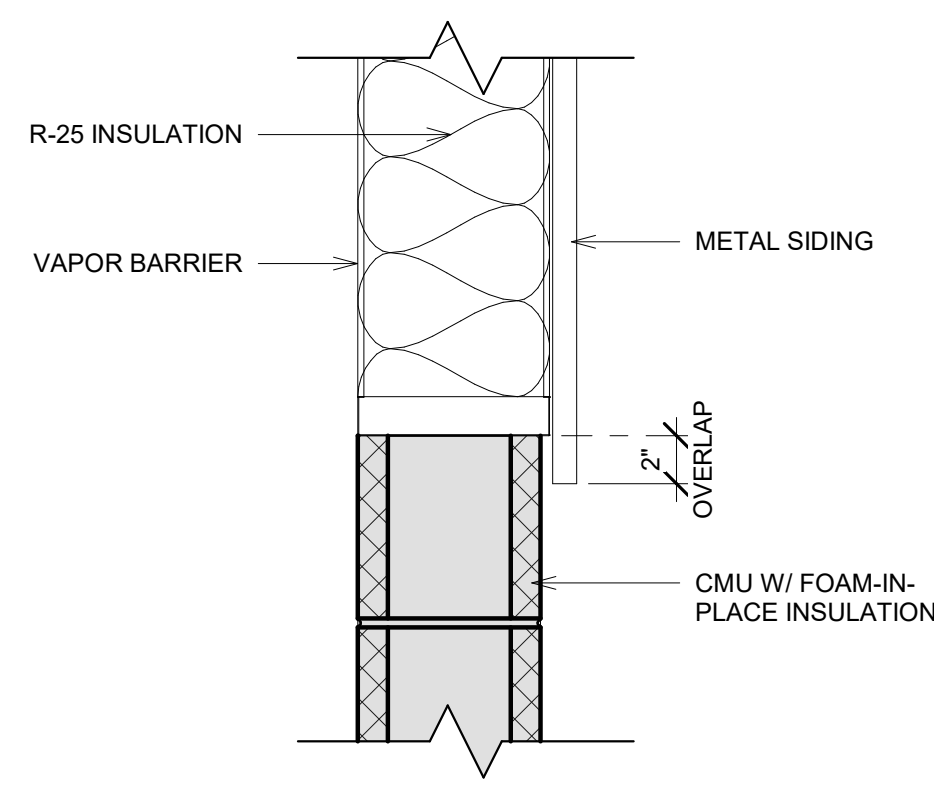
6 HM WINDOW HEAD & SILL @ METAL BLDG  
 3" = 1'-0"



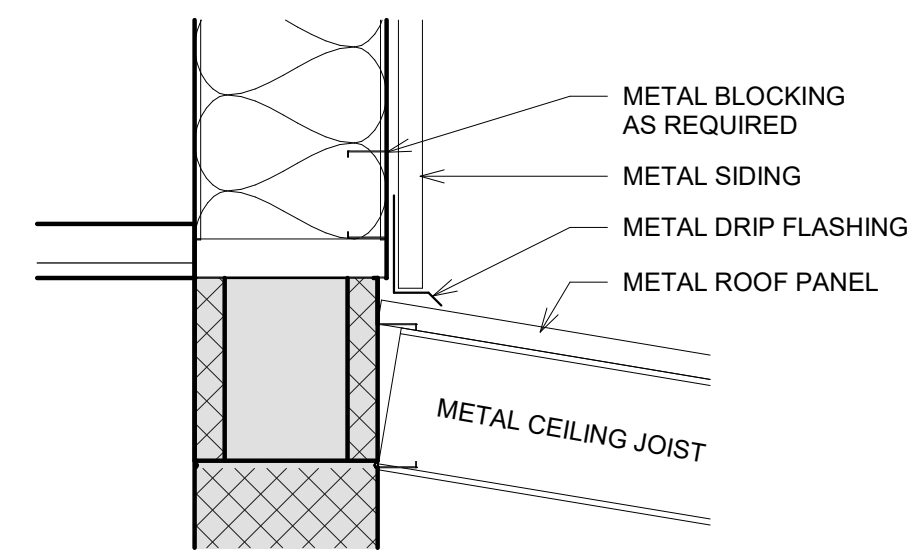
7 EXTERIOR WINDOW JAMB @ METAL  
 3" = 1'-0"



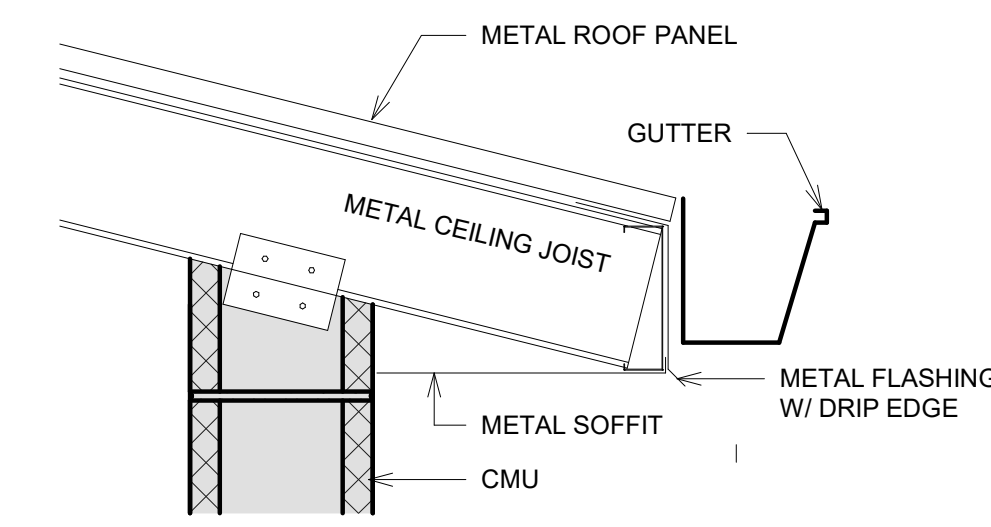
8 OVERHEAD DOOR JAMB @ METAL  
 3" = 1'-0"



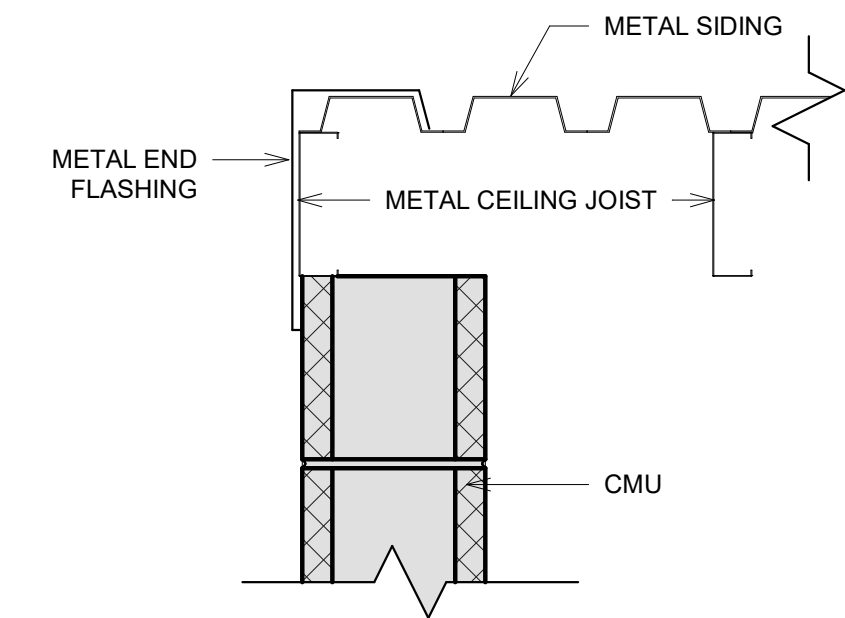
1 CMU WALL TO PEMB  
1 1/2" = 1'-0"



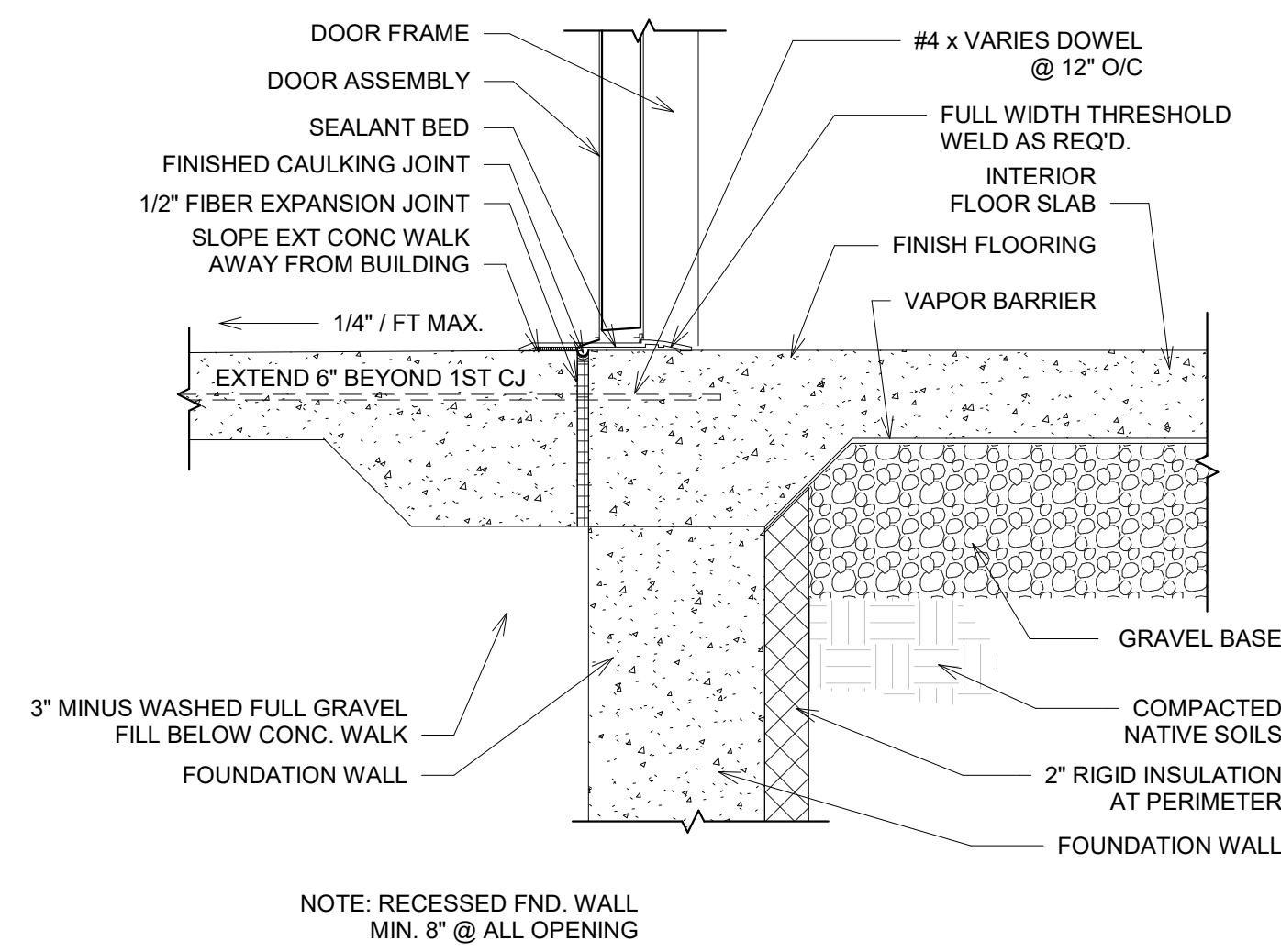
2 ROOF TRANSITION  
1 1/2" = 1'-0"



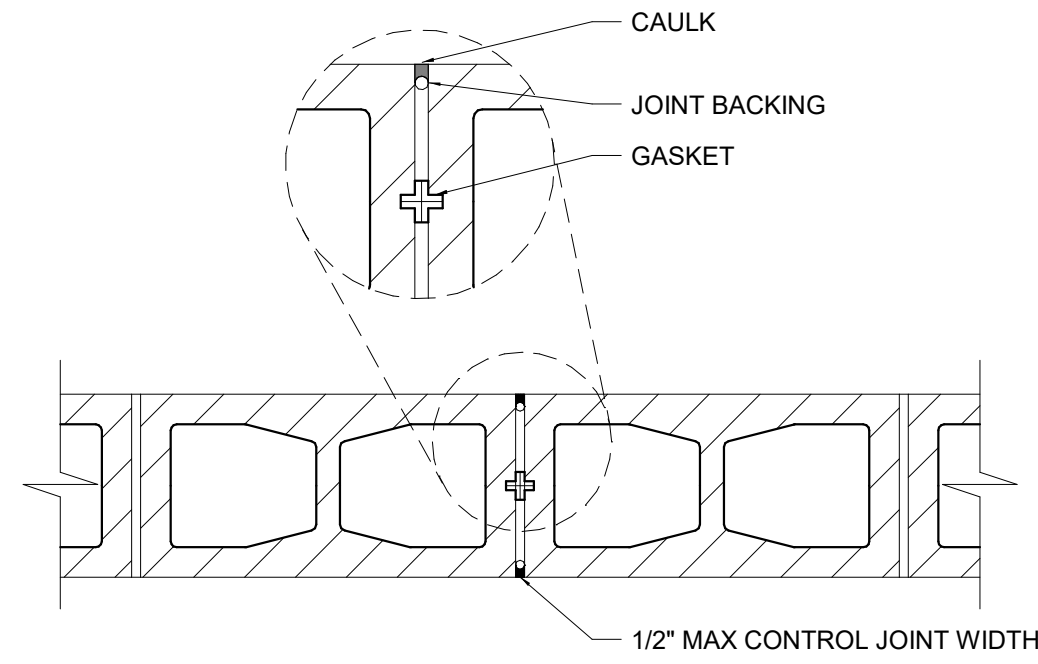
3 ROOF OVERHANG  
1 1/2" = 1'-0"



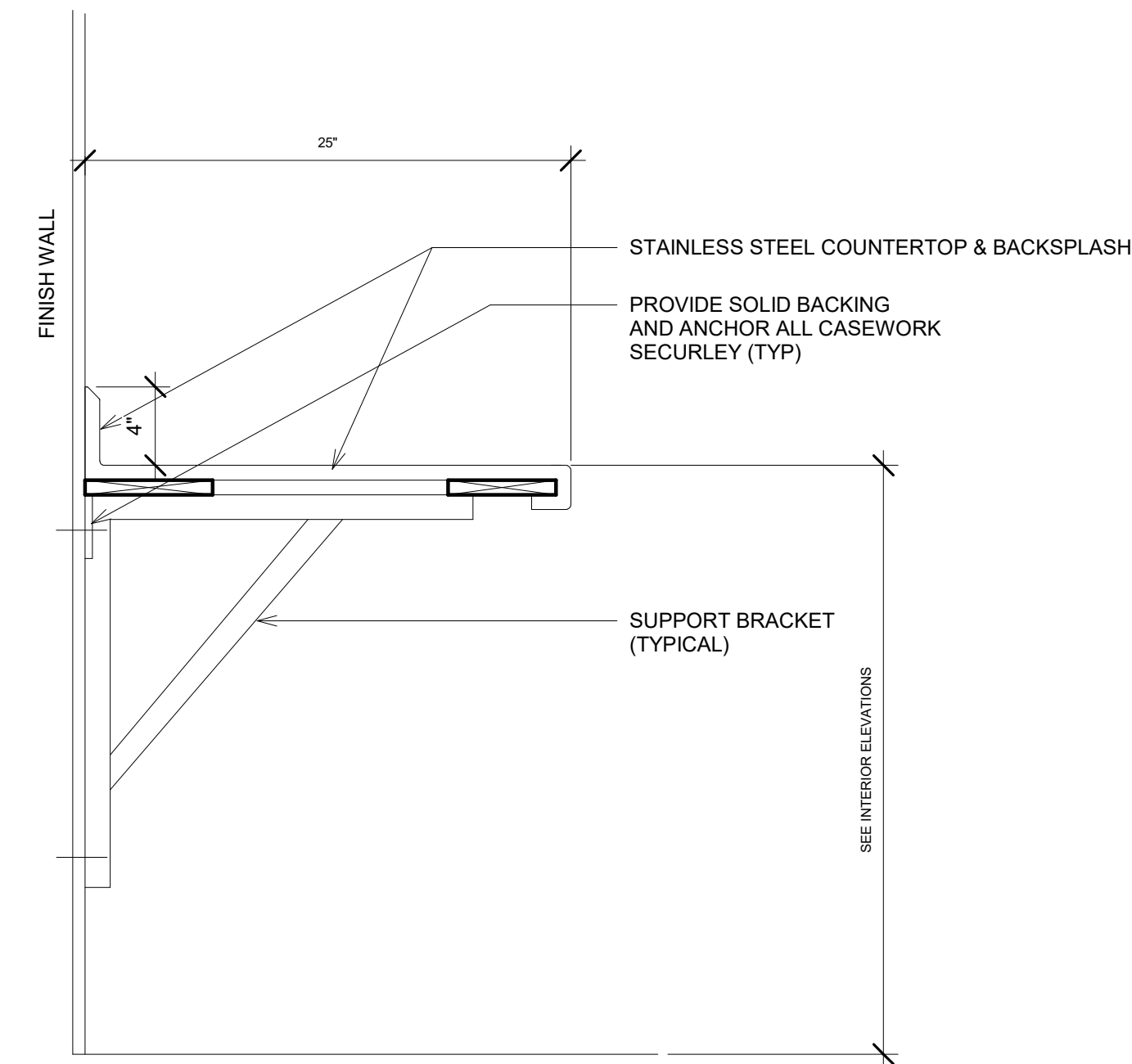
4 ROOF SIDE FLASHING  
1 1/2" = 1'-0"



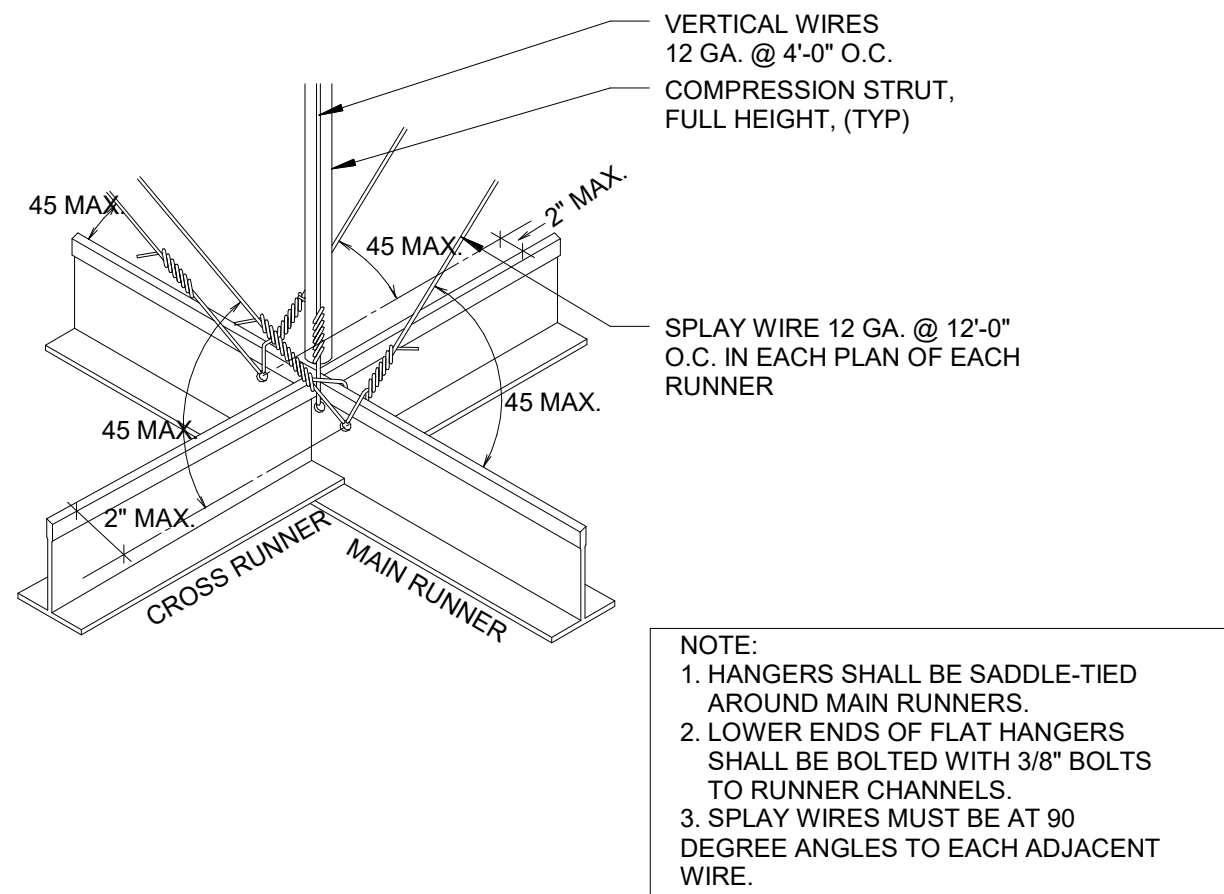
5 DOOR THRESHOLD DETAIL  
1 1/2" = 1'-0"



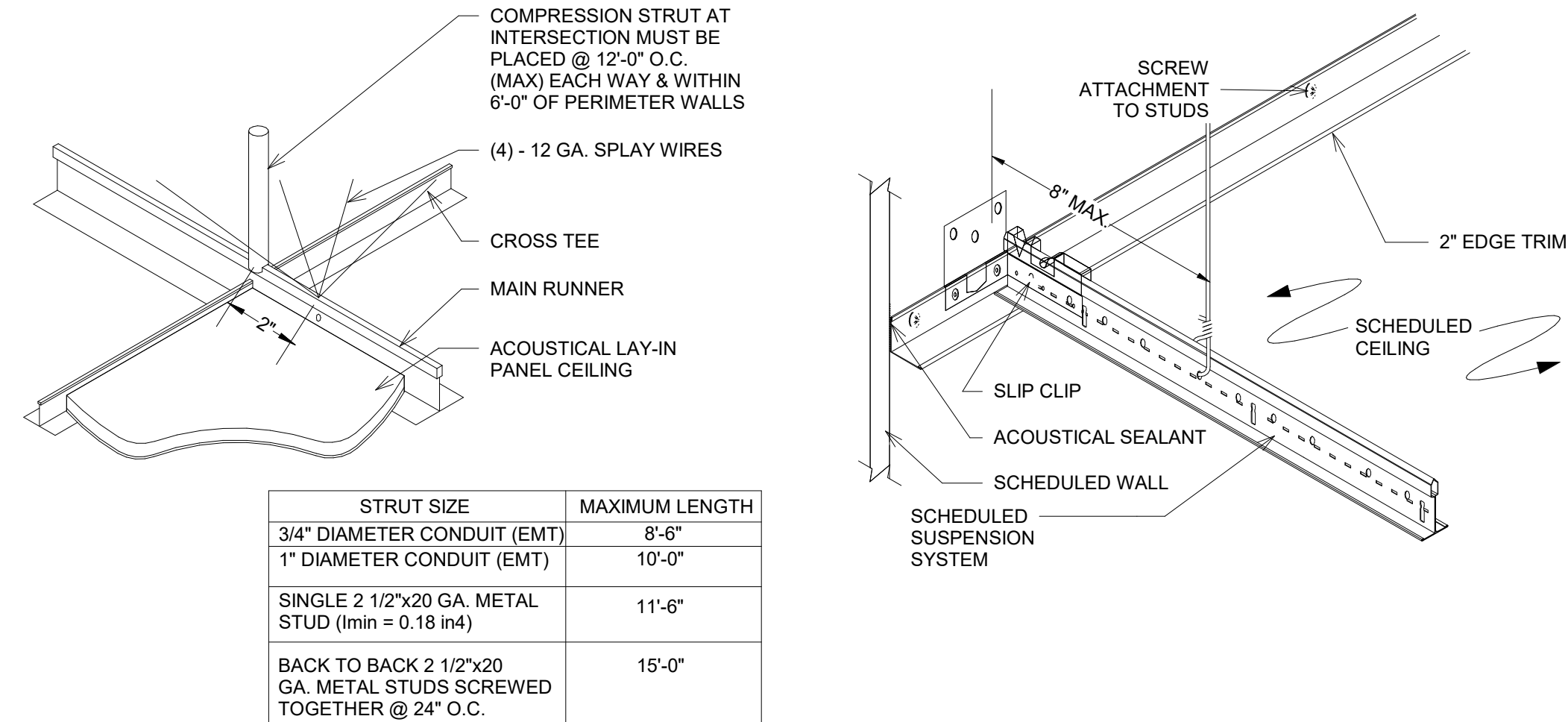
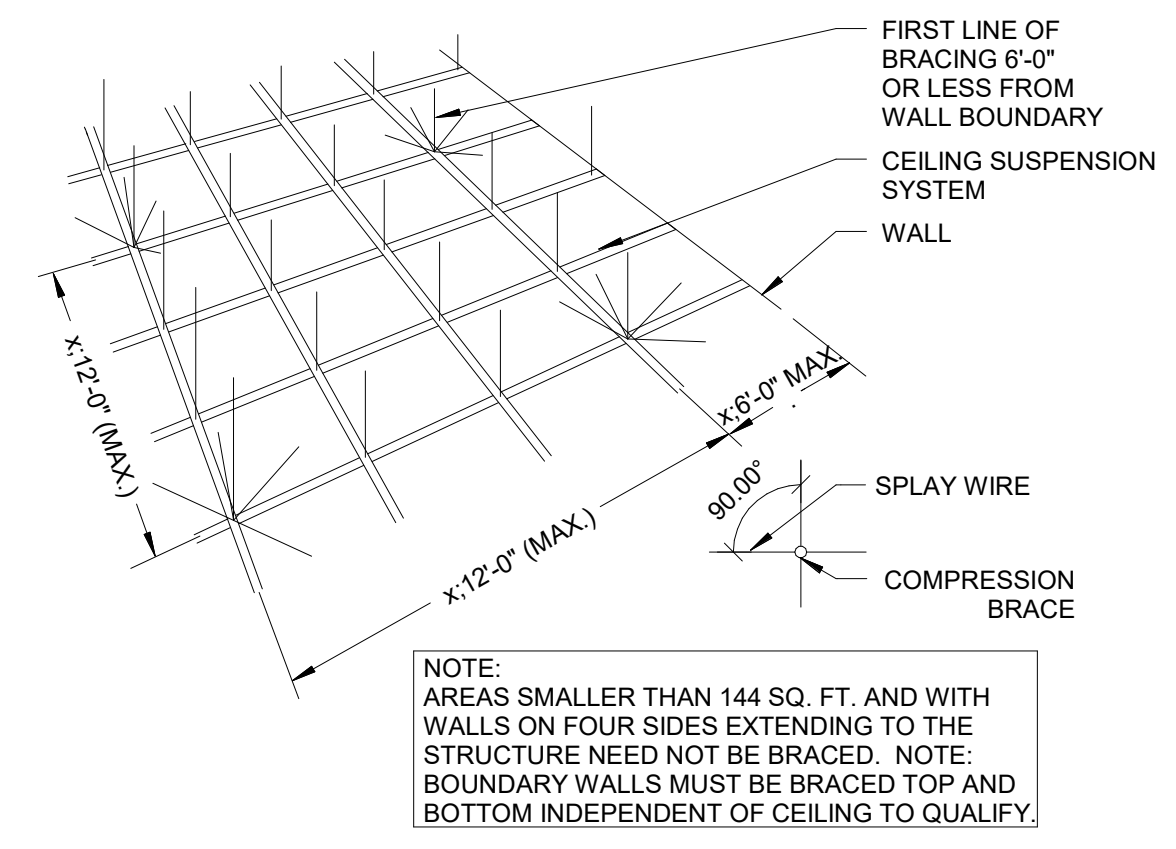
6 CMU CONTROL JOINT DETAIL  
1 1/2" = 1'-0"



7 COUNTERTOP CASEWORK  
1 1/2" = 1'-0"



8 CEILING DETAILS  
1" = 1'-0"



9 CEILING GRID DETAILS  
3" = 1'-0"

STRUT SIZE	MAXIMUM LENGTH
3/4" DIAMETER CONDUIT (EMT)	8'-6"
1" DIAMETER CONDUIT (EMT)	10'-0"
SINGLE 2 1/2"x20 GA. METAL STUD (min = 0.18 in <sup>4</sup> )	11'-6"
BACK TO BACK 2 1/2"x20 GA. METAL STUDS SCREWED TOGETHER @ 24" O.C.	15'-0"

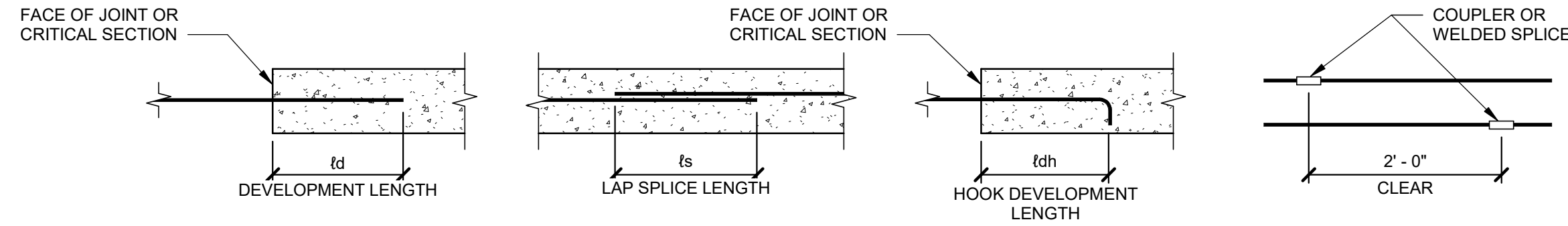






### 2018 IBC CONCRETE REBAR LAP SPLICE SCHEDULE

FOR CONCRETE APPLICATIONS (ACI 318 - 14)



BAR LOCATION	CONCRETE		CONCRETE REINFORCING & SPLICE LENGTHS (IN)																														COMMENTS
	TYPE	STRENGTH	BAR SIZE																														
			#3			#4			#5			#6			#7			#8			#9			#10			#11						
VERT. WALL BARS, FILL ON METAL DECK	NWC	3000 PSI	17	22	8	22	29	8	28	36	10	33	43	12	48	62	13	55	72	15	62	81	17	69	90	19	76	99	30				
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	3000 PSI	22	29	8	29	38	11	36	47	14	43	56	16	63	82	19	72	94	22	81	105	25	90	117	27	98	127	30				
BEAM BOTTOM BARS, COLUMN BARS	NWC	3000 PSI	17	22	8	22	29	11	28	36	14	33	43	16	48	62	19	55	72	22	62	81	25	69	90	27	76	99	30				
FOOTING BOTTOM BARS	NWC	3000 PSI	12	16	8	14	18	8	17	22	10	20	26	12	29	38	13	33	43	15	37	48	17	42	55	19	46	60	30				
SLAB TOP BARS <sup>5</sup> , BEAM TOP BARS	NWC	3000 PSI	22	29	8	29	38	11	36	47	14	43	56	16	63	82	19	72	94	22	81	105	25	90	117	27	98	127	30				
SLAB ON GRADE	NWC	3000 PSI	12	16	8	14	18	8	17	22	10	20	26	12	32	42	13	42	55	15	53	69	17	69	90	19	76	99	30				

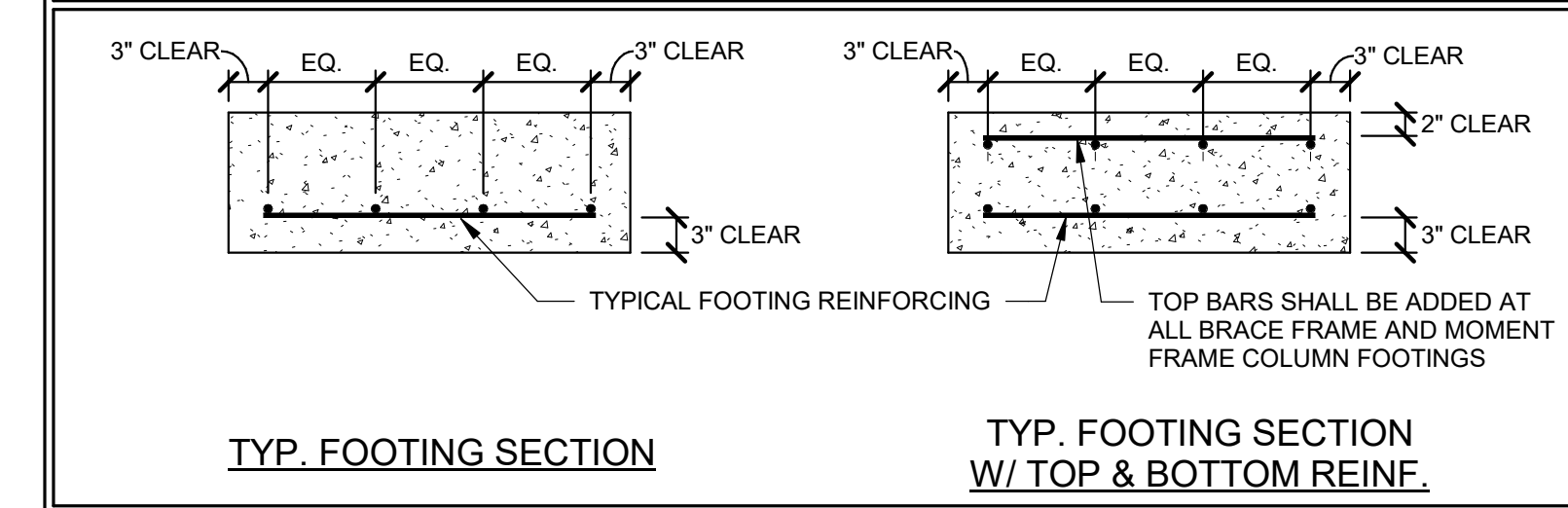
BAR LOCATION	CONCRETE		CONCRETE REINFORCING & SPLICE LENGTHS (IN)																														COMMENTS
	TYPE	STRENGTH	BAR SIZE																														
			#3			#4			#5			#6			#7			#8			#9			#10			#11						
VERT. WALL BARS, FILL ON METAL DECK	NWC	4000 PSI	15	20	7	19	25	7	24	31	8	29	38	10	42	55	12	48	62	13	54	70	15	60	78	17	66	86	26				
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4000 PSI	19	25	7	25	33	9	31	40	12	37	48	14	54	70	17	62	81	19	70	91	21	78	101	24	85	111	26				
BEAM BOTTOM BARS, COLUMN BARS	NWC	4000 PSI	15	20	7	19	25	9	24	31	12	29	38	14	42	55	17	48	62	19	54	70	21	60	78	24	66	86	26				
FOOTING BOTTOM BARS	NWC	4000 PSI	12	16	7	12	16	7	15	20	8	18	23	10	25	33	12	29	38	13	33	43	15	36	47	17	40	52	26				
SLAB TOP BARS <sup>5</sup> , BEAM TOP BARS	NWC	4000 PSI	19	25	7	25	33	9	31	40	12	37	48	14	54	70	17	62	81	19	70	91	21	78	101	24	85	111	26				
SLAB ON GRADE	NWC	4000 PSI	12	16	7	12	16	7	15	20	8	18	23	10	28	36	12	36	47	13	46	60	15	60	78	17	66	86	26				

BAR LOCATION	CONCRETE		CONCRETE REINFORCING & SPLICE LENGTHS (IN)																														COMMENTS
	TYPE	STRENGTH	BAR SIZE																														
			#3			#4			#5			#6			#7			#8			#9			#10			#11						
VERT. WALL BARS, FILL ON METAL DECK	NWC	4500 PSI	14	18	7	18	23	6	23	30	8	27	35	9	40	52	11	45	59	13	51	66	14	56	73	16	62	81	25				
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4500 PSI	18	23	7	24	31	9	30	39	11	35	46	13	51	66	16	59	77	18	66	86	20	73	95	22	80	104	25				
BEAM BOTTOM BARS, COLUMN BARS	NWC	4500 PSI	14	18	7	18	23	9	23	30	11	27	35	13	40	52	16	45	59	18	51	66	20	56	73	22	62	81	25				
FOOTING BOTTOM BARS	NWC	4500 PSI	12	16	7	12	16	6	14	18	8	17	22	9	24	31	11	27	35	13	31	40	14	34	44	16	37	48	25				
SLAB TOP BARS <sup>5</sup> , BEAM TOP BARS	NWC	4500 PSI	18	23	7	24	31	9	30	39	11	35	46	13	51	66	16	59	77	18	66	86	20	73	95	22	80	104	25				
SLAB ON GRADE	NWC	4500 PSI	12	16	7	12	16	6	14	18	8	17	22	9	27	35	11	34	44	13	44	57	14	56	73	16	62	81	25				

- NOTES:
- MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
  - LENGTHS INDICATED IN THIS SCHEDULE SHALL BE INCREASED BY 50% FOR STRAIGHT BAR DEVELOPMENT AND 20% FOR HOOKED BARS WHERE EPOXY COATING IS USED.
  - WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
  - SPLICE BARS LARGER THAN #11 USING MECHANICAL COUPLERS.
  - SLAB TOP BARS ONLY FOR SLABS 12" OR GREATER IN THICKNESS.

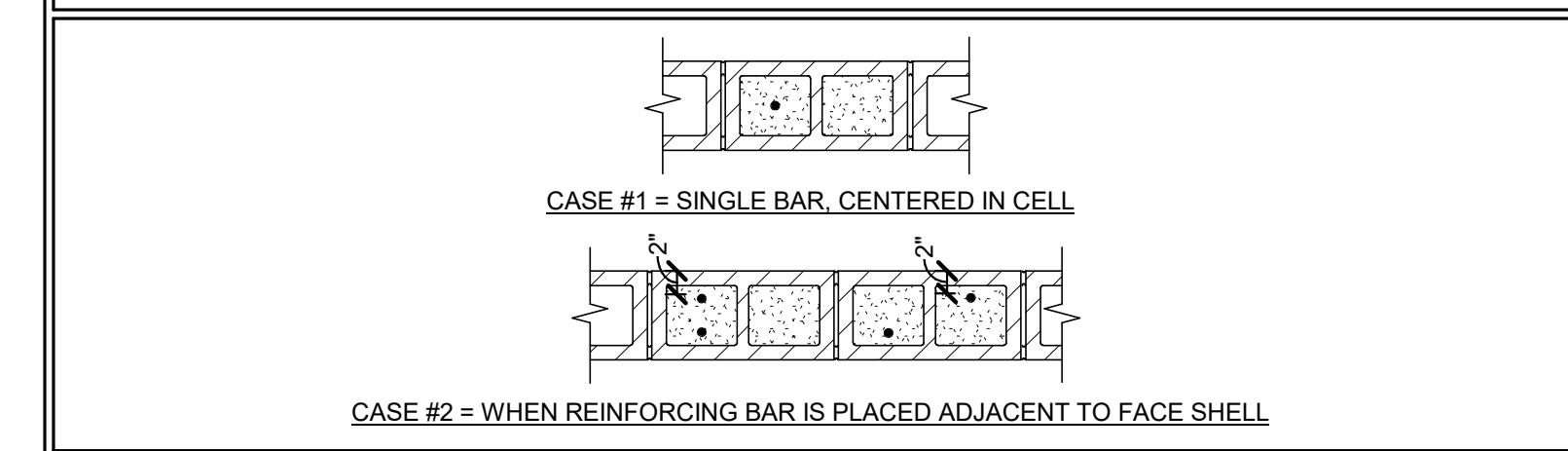
### FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICK	LENGTHWISE REINF.		CROSSWISE REINF.		REMARKS
				NO.	SIZE	NO.	SIZE	
FC2	2'-0"	CONT.	12"	(2)	#5	--	--	
FC3	3'-0"	CONT.	14"	(3)	#5	--	#5	12" o.c.
F3	3'-0"	3'-0"	12"	(3)	#5	(3)	#5	--
F3.5	3'-6"	3'-6"	12"	(3)	#5	(3)	#5	--
F4	4'-0"	4'-0"	12"	(4)	#5	(4)	#5	REINF. TOP & BOTTOM
F4.5	4'-6"	4'-6"	12"	(4)	#5	(4)	#5	--
F5	5'-0"	5'-0"	12"	(5)	#5	(5)	#5	REINF. TOP & BOTTOM
F5.5	5'-6"	5'-6"	12"	(5)	#5	(5)	#5	--
F6	6'-0"	6'-0"	12"	(6)	#5	(6)	#5	REINF. TOP & BOTTOM
F6.5	6'-6"	6'-6"	14"	(7)	#5	(7)	#5	REINF. TOP & BOTTOM
F7	7'-0"	7'-0"	14"	(7)	#6	(7)	#6	--
F7.5	7'-6"	7'-6"	14"	(7)	#6	(7)	#6	--
F8	8'-0"	8'-0"	16"	(8)	#6	(8)	#6	--
F8.5	8'-6"	8'-6"	16"	(8)	#6	(8)	#6	--
F9	9'-0"	9'-0"	18"	(9)	#6	(9)	#6	--
F9.5	9'-6"	9'-6"	18"	(10)	#6	(10)	#6	--
F10	10'-0"	10'-0"	20"	(10)	#6	(10)	#6	--
F10.5	10'-6"	10'-6"	20"	(10)	#7	(10)	#7	--
F11	11'-0"	11'-0"	22"	(11)	#7	(11)	#7	--
F11.5	11'-6"	11'-6"	22"	(11)	#7	(11)	#7	--
F12	12'-0"	12'-0"	22"	(12)	#7	(12)	#7	--



### 2018 IBC MASONRY REBAR LAP SPLICE SCHEDULE

FOR MASONRY APPLICATIONS (TMS 402/602 - 16)

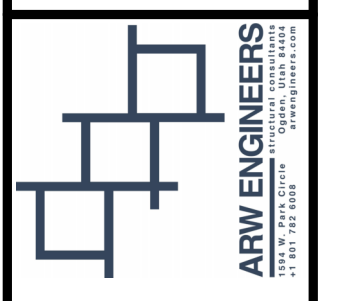


BAR LOCATION	MASONRY REINFORCING & SPLICE LENGTHS (IN) (f <sub>m</sub> = 2000psi)									
	BAR SIZE									
	#3		#4		#5		#6		#7	
	CASE #	CASE #	CASE #	CASE #	CASE #	CASE #	CASE #	CASE #	CASE #	
	1	2	1	2	1	2	1	2	1	2
BEAM / WALL HORIZONTAL	19"		26"		32"		38"		45"	
WALL VERTICAL COLUMN AND JAMB	12"	14"	12"	25"	19"	40"	37"	54"	51"	63"

- NOTES:
- MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
  - DEVELOPMENT LENGTHS SHALL BE INCREASED BY 50% WHERE EPOXY COATED REBAR IS USED.
  - WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
  - ALL REBAR #8 AND LARGER IN MASONRY SHALL BE SPLICED USING MECHANICAL SPLICES. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY.



DATE: \_\_\_\_\_



AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 2450 E, Kimberly, ID 83341  
**SCHEDULES**

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3<sup>RD</sup> Ave East, \*Twin Falls, Idaho 83301  
 (208) 736-8050

DATE: 10/08/24  
 BLP ANB  
 Drawn Checked

#23067  
 PROJECT #

**S010**

### TYPICAL MASONRY / JAMB REINFORCING SCHEDULE

**NOTES:**

- USE OPEN-END UNITS AT INTERSECTIONS OF BEAMS AND JAMBS.
- TYPICAL HORIZONTAL BOND BEAMS MAY BE ADJUSTED UP OR DOWN BY ONE COURSE PROVIDED THE OVERALL NUMBER OF REQUIRED BOND BEAMS ARE INSTALLED.
- TYPICAL HORIZONTAL AND VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY. SEE PLAN AND SCHEDULE FOR TYPICAL WALL REINFORCING.
- JAMB REINFORCING SHOWN IS SCHEMATIC. SEE SCHEDULE & DETAILS FOR ACTUAL JAMB REINFORCING.
- ALL VERTICAL WALL REINFORCING SHALL BE CONTINUOUS BETWEEN THE LEVELS IN WHICH THE WALL OCCURS.

MASONRY BEAM SCHEDULE							MASONRY JAMB SCHEDULE							
MARK	NOMINAL THICKNESS	BOTTOM REINF.	TOP REINF.	VERTICAL REINF.	MIN. GROUT DEPTH	OPENING SIZE	COMMENTS	MARK	NOMINAL THICKNESS	VERTICAL REINF.	TIES	CONFIG.	OPENING SIZE	COMMENTS
MB-1	8"	(2) #4	---	#4 @ 8"o.c.	12"	---		MJ-1	8"	(2) #5	---	A	2'-8" TO 4'-0"	
MB-2	8"	(4) #5	---	#4 @ 8"o.c.	24"	3'-6" TO 6'-0"		MJ-2	8"	(4) #5	---	B	4'-1" TO 6'-0"	

**NOTES:**

- WHERE SPECIFIC BEAMS ARE NOT NOTED ON THE PLANS - REFER TO OPENING SIZE FOR REQUIRED BEAM DEPTH AND REINFORCING.
- FIRST VERTICAL BAR TO BE WITHIN 8" OF END OF BEAM.
- SEE TYPICAL ELEVATION - VIEW OF BEAM.
- VERTICAL REINFORCING SHALL HAVE HOOKS TOP AND BOTTOM.

**NOTES:**

- WHERE SPECIFIC JAMBS ARE NOT NOTED ON THE PLANS - REFER TO OPENING SIZE FOR REQUIRED REINFORCING AND CONFIGURATION.
- ALL VERTICAL REINFORCING SHALL HAVE MATCHING DOWELS CAST INTO FOUNDATIONS. HORIZONTAL REINFORCING NOT SHOWN.
- JAMBS TO BE GROUTED SOLID.

**SECTION**

MIN. GROUT DEPTH

12" WIDE

U-BLOCK

VERTICAL BEAM REINF. W/ 180 DEG. HOOK TOP & 90 DEG. HOOK BOTTOM PARALLEL TO BOTTOM BARS

PLACE REINFORCING IN EXCESS OF (2) CONT. IN NEXT COURSES

SEE WALL REINF. SCHEDULE FOR TYPICAL REINF. SIZE AND SPACINGS - CONTINUE TYPICAL WALL HORIZONTAL AND VERTICAL REINF. IN BEAM SECTION

**PLAN**

8" WIDE

VERTICAL BEAM REINF. W/ HOOKS TOP & BOTTOM

HORIZ. BEAM REINFORCING - SEE SCHEDULE FOR SIZES - EXTEND 24" BEYOND OPENING TYP. EACH SIDE, SEE ELEVATION - AT INTERSECTING WALLS, HOOK INTO WALL PER TYPICAL DETAIL

USE UNITS W/ ONE OPEN END CELL AT ALL LINTELS/BEAMS

SEE WALL REINF. SCHEDULE FOR TYP. VERTICAL REINF. SIZE AND SPACINGS

NOTE: SEE TYPICAL DETAIL FOR LINTELS W/ BRICK VENEER

**SECTION**

VERTICAL REINFORCING - SEE SCHEDULE

SOLID GROUT

24" OF JAMB

CONFIGURATION 'A'

**SECTION**

VERTICAL REINFORCING - SEE SCHEDULE

SOLID GROUT

24" OF JAMB

CONFIGURATION 'B'

MARK	THICK.	VERT. REINF.		HORIZ. BOND BEAM REINF.			COMMENTS	
		SIZE	SPACE	NO.	SIZE	SPACE		@ ROOF
MW-8A	8"	#5	32"	(2)	#4	48"	(2) #5	
MW-8B	8"	#5	24"	(2)	#4	48"	(2) #5	

**NOTES:**

- FOR ANY CMU WALLS NOT SPECIFICALLY CALLED OUT IN PLANS, USE MW-8A
- VERTICAL REINFORCING TO BE @ CENTERLINE OF WALL UNLESS OTHERWISE NOTED.
- SOLID GROUTING OF WALLS IS UNACCEPTABLE EXCEPT WHERE SPECIFICALLY NOTED.
- SEE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
- A BOND BEAM SHALL BE LOCATED IN THE FIRST COURSE ABOVE THE FOUNDATION IF VERTICAL DOWELS HAVE BEEN BENT TO ALIGN WITH VERTICAL CELLS, WHETHER OR NOT MASONRY WEBS HAVE BEEN CUT.



DATE: \_\_\_\_\_



AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 9450 E, Kimberly, ID 83341  
**SCHEDULES**

**Laughlin Ricks Architecture**  
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DATE: 10/08/24  
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**S011**

ROOF DECK SCHEDULE												
AREA	DECK			ATTACHMENT				MIN. SHEAR CAPACITY, lb/ft (ASD)	MIN. SHEAR STIFFNESS G' (kip/in)	COMMENTS		
	DEPTH	TYPE	GA.	SUPPORTS		SIDE SEAMS					SUPPORTS PARALLEL TO FLUTES	
				TYPE <sup>2</sup>	PATTERN	TYPE <sup>2</sup>	SPACING				TYPE <sup>2</sup>	SPACING
A	1 1/2	B	22	#10 SCREW	36/4	#10 SCREW	18"o.c.	#10 SCREW	12"o.c.	300 PLF	143	---

**FASTENING PATTERNS**

PATTERN - 36/4

**NOTES:**

- ALL ROOF DECKING TO BE SUPPLIED BY VERCO, OR APPROVED EQUAL. ALTERNATE DECKING SHALL BE SUBMITTED WITH CURRENT ICC APPROVAL TO ENGINEER FOR REVIEW AND APPROVAL. ALTERNATE DECKING SYSTEMS SHALL MEET OR EXCEED THE MINIMUM SHEAR CAPACITY AND SHALL PROVIDE GREATER THAN OR EQUAL TO THE MINIMUM SHEAR STIFFNESS LISTED IN THE SCHEDULE.
- PAF = HILTI X-HSN 24 POWDER ACTUATED FASTENERS, VSC2 = VERCO SIDELAP CONNECTION WITH PUNCHLOK TOOL, SCREWS = SELF DRILLING SCREW PER ASTM C1513, SPOT WELD = 3/4" VISIBLE DIAMETER SPOT WELD.
- USE NESTABLE (OVERLAPPING) SIDE SEAMS AT SCREW ATTACHMENTS AND INTERLOCKING SIDE SEAMS AT WELDS.
- IF N DECK IS NOT NESTABLE, N DECK END BUTT JOINTS OVER STEEL JOISTS SHALL USE 16 GA. x 6" CONTINUOUS SHEET BETWEEN DECK AND JOIST TOP CHORD ANGLES. DECK WELDS TO PENETRATE SHEET AND ENGAGE JOIST CHORD.
- ALL DECK WITH A PROFILE DEPTH OF 2" OR LESS SHALL HAVE NESTED OR TELESCOPED END LAPS.
- WHERE WELDS ARE USED, SUPPORT WELDS AT INTERLOCKING SIDELAPS MAY BE 3/8" x 1-1/4" ARC SEAM WELDS IN LIEU OF ARC SPOT WELDS.

**KEY PLAN**

SPECIAL INSPECTION SCHEDULE 1, 2				
ESTABLISHED PER 2018 IBC SECTION 110 AND CHAPTER 17				
ITEM	CONTINUOUS <sup>3</sup>	PERIODIC <sup>3</sup>	REFERENCE	COMMENTS
<b>CONCRETE CONSTRUCTION (IBC 1705.3)</b>				
REINFORCING STEEL PLACEMENT		●	SEE IBC TABLE 1705.3 - REF. NOTE C1	C1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET.
WELDING OF REINFORCING STEEL	●	●	REFERENCE NOTE C2	C2. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE.
EMBEDDED BOLTS & PLATES	●			
VERIFYING REQUIRED DESIGN MIX		●		C3. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT, AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT.
EPOXY / EXPANSION ANCHOR PLACEMENT	●	●	REFERENCE NOTE C3	
<b>MASONRY CONSTRUCTION (IBC 1705.4)</b>				
AS MASONRY CONSTRUCTION BEGINS, VERIFY:				
SITE PREPARED MORTAR		●		M1. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706 IN ACCORDANCE WITH ANSI / AWS D1.4. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE.
MORTAR JOINTS		●		M2. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR ESSENTIAL FACILITIES (TMS 602-10/ACI 530.1 TABLE 3).
REINFORCEMENT / CONNECTORS		●		M3. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT.
PRE-STRESSING TECHNIQUES		●		
GRADE & SIZE OF TENDONS & ANCHORAGES		●		
INSPECTION SHALL VERIFY:				
SIZE & LOCATION OF STRUCTURAL ELEMENTS		●		
TYPE, SIZE, & LOCATION OF ANCHORS		●	REFERENCE NOTE M2	
SIZE, GRADE & TYPE OF REINFORCEMENT		●		
WELDING OF REINFORCING BARS	●		REFERENCE NOTE M1	
HOT OR COLD WEATHER PROTECTION		●		
MEASUREMENT OF PRE-STRESSING FORCE		●	REFERENCE NOTE M2	
PRIOR TO GROUTING, VERIFY:				
CLEAN GROUT SPACE		●	REFERENCE NOTE M2	
PLACEMENT OF REINFORCEMENT CONNECTORS, TENDONS AND ANCHORS.		●		
PROPORTIONS OF SITE PREPARED GROUT		●		
CONSTRUCTION OF MORTAR JOINTS		●		
GROUT PLACEMENT	●			
GROUTING OF PRE-STRESSING BONDED TENDONS	●			
PREPARATION OF TEST SPECIMENS / PRISMS	●			
COMPLIANCE W/ CONST. DOCS / SUBMITTALS		●		
EPOXY / EXPANSION ANCHOR PLACEMENT	●	●	REFERENCE NOTE M3	
VERIFICATION OF f <sub>m</sub> AND f <sub>aac</sub>		●		
SELF CONSOLIDATING GROUT:				
VERIFY SLUMP FLOW AND VSI	●			
<b>COLD FORMED FRAMING (IBC 1705.11.2 &amp; 1705.12.3)</b>				
LIGHT GAUGE METAL FRAMING WELDING		●		CF1. SPECIAL INSPECTION IS NOT REQUIRED FOR COLD-FORMED STEEL LIGHT-FRAME SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLDDOWNS WHERE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM ASSEMBLY AND THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4"o.c.
SHEAR WALL & DIAPHRAGM ATTACHMENTS		●		
DRAG STRUT & BRACE INSTALLATION		●		
<b>SOILS (IBC 1705.6)</b>				
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		●	REFERENCE NOTE F1	F1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557.
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL		●	REFERENCE NOTE F2	F2. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE. WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557.
CLASSIFY & TEST CONTROLLED FILL MATERIALS		●	REFERENCE NOTE F2	
PERFORM MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	●		REFERENCE NOTE F1	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL.		●	REFERENCE NOTE F1	
<b>GENERAL SPECIAL INSPECTION NOTES:</b>				
1. THE ITEMS MARKED WITH A "●" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.				
2. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.				
3. CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 202)				



DATE: \_\_\_\_\_



AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 9450 E, Kimberly, ID 83341  
**SCHEDULES**

**Laughlin Ricks Architecture**  
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DATE: 10/08/24  
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 #23067  
 PROJECT #

**S012**

### COLD-FORMED STEEL DECK SPECIAL INSPECTION SCHEDULE

ESTABLISHED PER 2018 IBC SECTION 1705.2.2

INSPECTION TASKS PRIOR TO DECK PLACEMENT (TABLE 1.1)	INSTALLER QUALITY CONTROL		SPECIAL INSPECTOR QUALITY ASSURANCE		NOTES
	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC	
VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	●		●		1. PERIODIC - INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS. ADDITIONAL INSPECTIONS SHALL BE PERFORMED TO DETERMINE THE EXTENT OF NON-COMFORMANCE. 2. CONTINUOUS - PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT. 3. WITHIN THE LISTED TASKS, "DOCUMENT" SHALL MEAN THE INSPECTOR SHALL PREPARE REPORTS OR OTHER APPROPRIATE WRITTEN DOCUMENTATION INDICATING THAT THE WORK HAS OR HAS NOT BEEN PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	●		●		
<b>INSPECTION TASKS AFTER DECK PLACEMENT (TABLE 1.2)</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	●		●		
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	●		●		
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	●		●		
<b>INSPECTION TASKS PRIOR TO WELDING (TABLE 1.3)</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE		●		●	
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE		●		●	
MATERIAL IDENTIFICATION (TYPE/GRADE)		●		●	
CHECK WELDING EQUIPMENT		●		●	
<b>INSPECTION TASKS DURING WELDING (TABLE 1.4)</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	
USE OF QUALIFIED WELDERS		●		●	
CONTROL AND HANDLING OF WELDING CONSUMABLES		●		●	
ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)		●		●	
WPS FOLLOWED		●		●	
<b>INSPECTION TASKS AFTER WELDING (TABLE 1.5)</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	
VERIFY SIZE AND LOCATIONS OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	●		●		
WELDS MEET VISUAL ACCEPTANCE CRITERIA	●		●		
VERIFY REPAIR ACTIVITIES	●		●		
DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	●		●		
<b>INSPECTION TASKS PRIOR TO MECHANICAL FASTENING (TABLE 1.6)</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS		●		●	
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION		●		●	
PROPER STORAGE FOR MECHANICAL FASTENERS		●		●	
<b>INSPECTION TASKS DURING MECHANICAL FASTENING (TABLE 1.7)</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	
FASTENERS ARE POSITIONED AS REQUIRED		●		●	
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS		●		●	
<b>INSPECTION TASKS AFTER MECHANICAL FASTENING (TABLE 1.8)</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	<b>CONTINUOUS</b>	<b>PERIODIC</b>	
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	●		●		
CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	●		●		
CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	●		●		
VERIFY REPAIR ACTIVITIES	●		●		
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	●		●		

**GENERAL STEEL DECK SPECIAL INSPECTION NOTES :**

- QUALITY CONTROL TASKS SHALL BE PERFORMED BY THE INSTALLER'S QUALITY CONTROL INSPECTOR (QCI).
- FOR QUALITY CONTROL INSPECTION, THE CONSTRUCTION DOCUMENTS, INSTALLATION DRAWINGS, SHOP DRAWINGS, DESIGN DOCUMENTS AND THE APPLICABLE REFERENCED STANDARDS SHALL BE UTILIZED.
- QUALITY ASSURANCE INSPECTION OF THE DECK SHALL BE MADE AT THE PROJECT SITE. THE OWNER'S DESIGNATED REPRESENTATIVE FOR CONSTRUCTION SHALL SCHEDULE THIS WORK WITH THE QUALITY ASSURANCE INSPECTOR (QAI) AND THE INSTALLER TO MINIMIZE INTERRUPTIONS TO THE WORK OF THE INSTALLER.
- THE QAI SHALL REVIEW THE MATERIALS TEST REPORTS AND CERTIFICATIONS LISTED IN SECTION 2.2 OF SDI QA/QC FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.
- QUALITY ASSURANCE TASKS SHALL BE PERFORMED BY THE QAI.
- WHERE A TASK IS TO BE PERFORMED BY BOTH QA AND QC, IT SHALL BE PERMITTED TO COORDINATE INSPECTION FUNCTIONS BETWEEN THE QCI AND QAI SO THAT THE INSPECTIONS ARE PERFORMED BY ONLY ONE PARTY WHEN APPROVED IN ADVANCE BY THE OWNER, DESIGNER, AND AHJ. WHEN QA TASKS ARE PERFORMED ONLY BY THE QCI, EACH INSPECTION IS TO BE DOCUMENTED IN A REPORT AND THE QAI SHALL PERIODICALLY REVIEW THE WORK OF THE QCI AT AN INTERVAL ACCEPTABLE TO THE OWNER, DESIGNER, AND THE AHJ.
- IN THE EVENT THAT THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS CONFLICT WITH THE INSTALLATION DRAWINGS OR SHOP DRAWINGS, THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS SHALL GOVERN.
- IDENTIFICATION AND REJECTION OF MATERIALS AND WORKMANSHIP NOT IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS SHALL BE PERMITTED AT ANY TIME DURING PROGRESS OF OR FOLLOWING THE COMPLETION OF THE WORK. HOWEVER, THIS PROVISION SHALL NOT RELIEVE THE OWNER OR THE INSPECTOR OF THE OBLIGATION FOR TIMELY, IN-SEQUENCE INSPECTIONS. NONCOMFORMING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER'S DESIGNATED REPRESENTATIVE FOR CONSTRUCTION AND THE DECK INSTALLER. NONCOMFORMING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT IN CONFORMANCE, OR MADE SUITABLE FOR ITS INTENDED PURPOSE AS DETERMINED BY THE DESIGNER.



DATE \_\_\_\_\_



AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 8450 E, Kimberly, ID 83341  
**SCHEDULES**

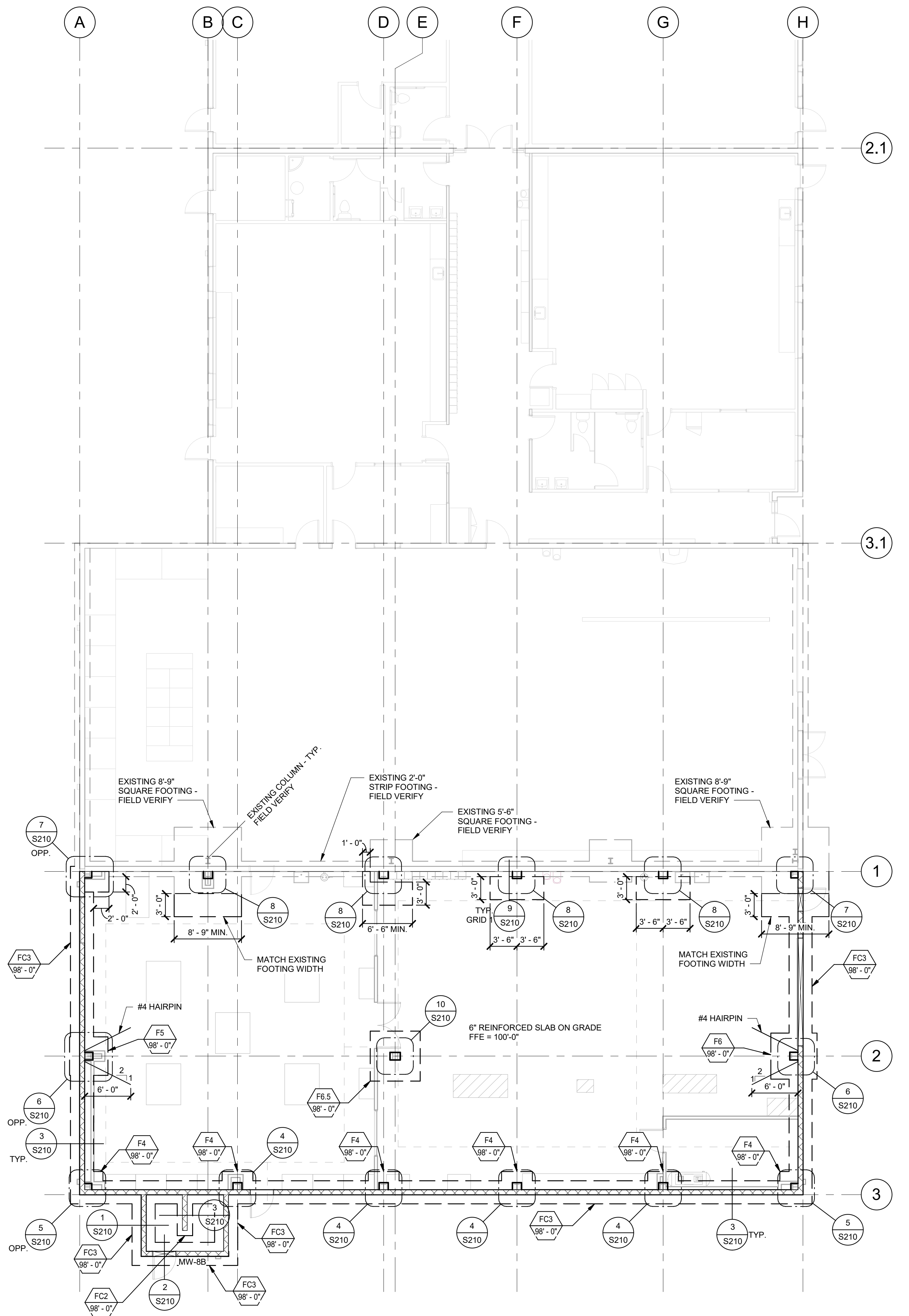
**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3rd Ave East, \* Twin Falls, Idaho 83301  
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DATE: 10/08/24  
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 Drawn Checked  
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 PROJECT #

**S013**

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**FOOTING & FOUNDATION PLAN**  
 SCALE : 1/8" = 1'-0"

A  
S101

**FOOTING & FOUNDATION NOTES :**

- SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
- ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
- VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
- SOLID GROUT ALL MASONRY COURSES BELOW FINISHED FLOOR OR EXTERIOR GRADE (WHICHEVER IS HIGHER).
- SEE SHEET S010 FOR FOOTING SCHEDULE.
- PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
- SEE SHEET S201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
- ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
- FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
- ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
- COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.

**CONCRETE SLAB NOTES :**

- SLAB ON GRADE SHALL BE 6" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY 4" OF FREE DRAINING MATERIAL.
- SEE SHEET S201 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION.



DATE \_\_\_\_\_

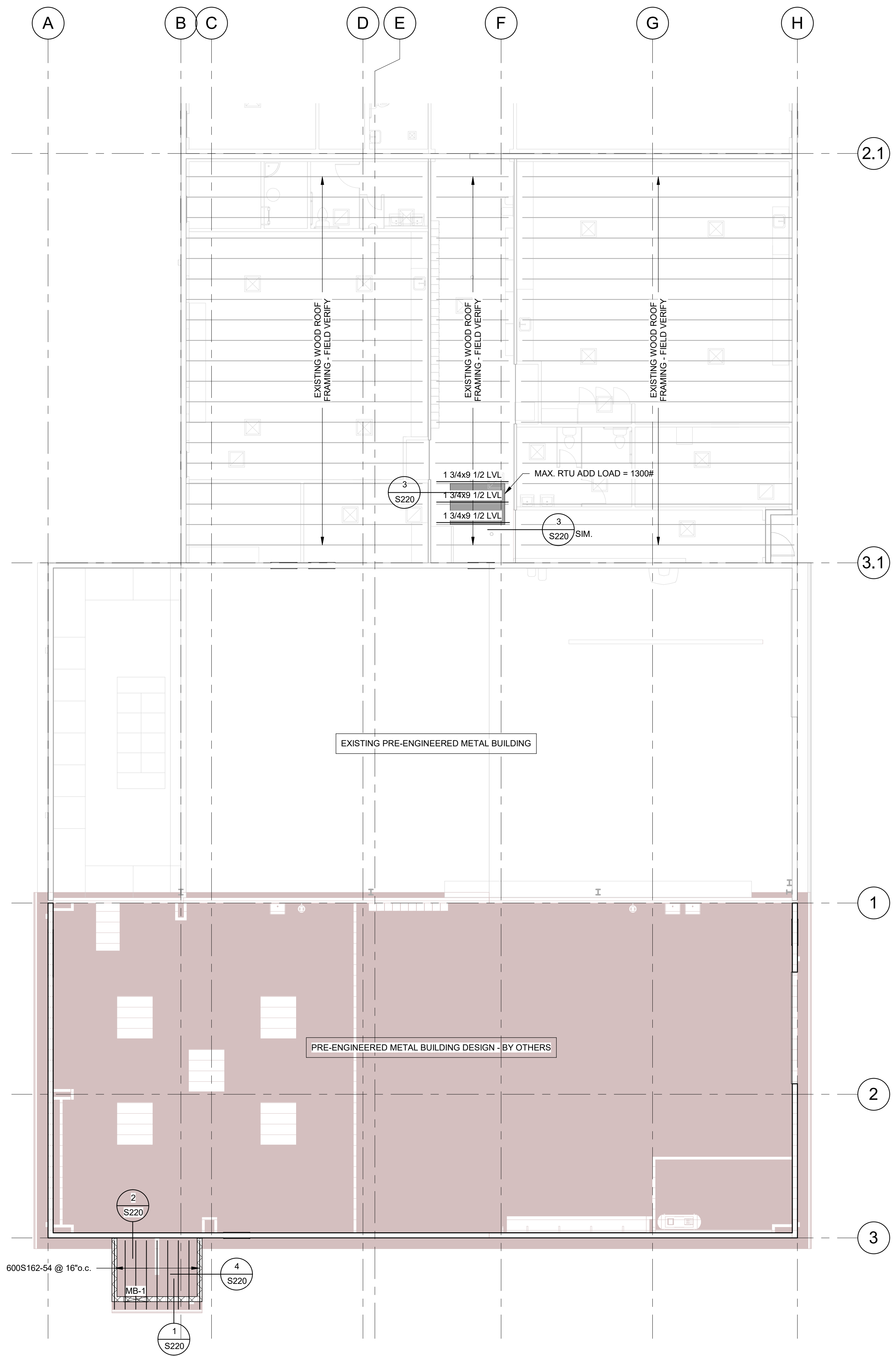


AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 3450 E, Kimberly, ID 83341  
**FOOTING & FOUNDATION PLAN**

**Laughlin Ricks Architecture**  
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**S101**



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

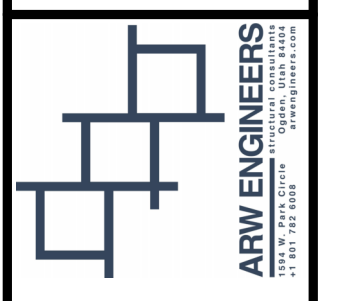
A  
S102

**ROOF FRAMING NOTES :**

1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
2. SEE ROOF DECK SCHEDULE FOR REQUIRED DECK AND ATTACHMENTS.
3. SEE SHEET S201 FOR OPENINGS IN ROOF DECK. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
4. CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE TEMPORARY BRACING UNTIL ALL ROOF FRAMING AND DECK ATTACHMENTS ARE COMPLETE.
5. CONCENTRATED LOADS FROM EQUIPMENT, PIPING, ETC., SHALL NOT BE HUNG FROM JOISTS EXCEPT AT PANEL POINTS AND AS APPROVED BY THE ENGINEER.



DATE \_\_\_\_\_

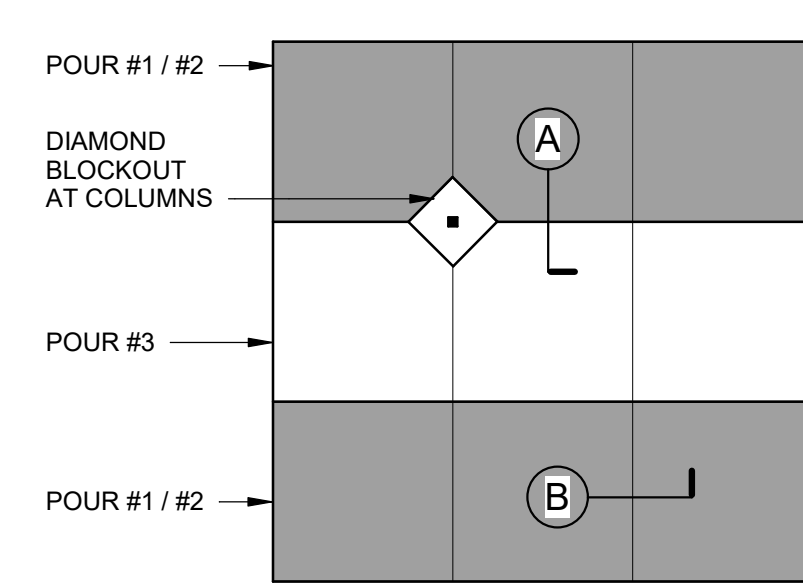


AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 3682 N 2450 E, Kimberly, ID 83341  
**ROOF FRAMING PLAN**

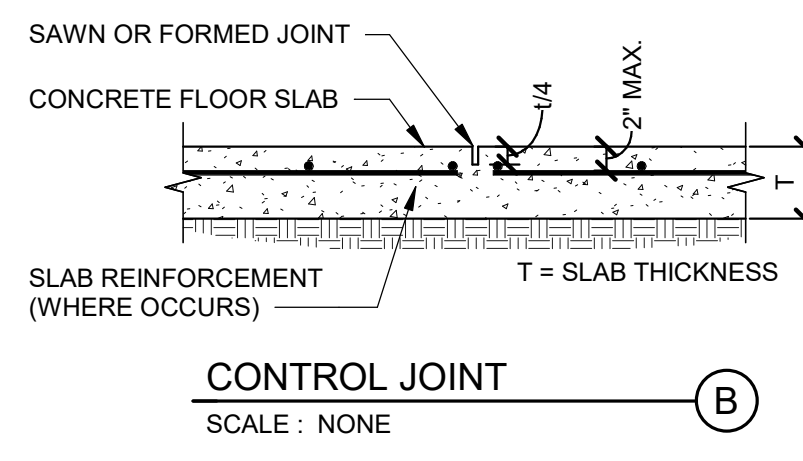
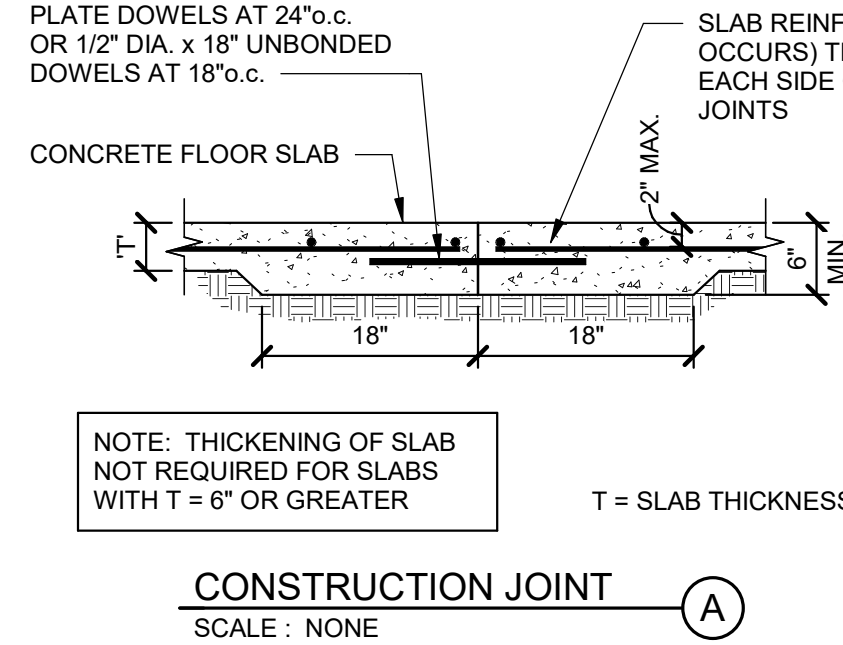
**Laughlin Ricks Architecture**  
 architecture/planning  
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**S102**

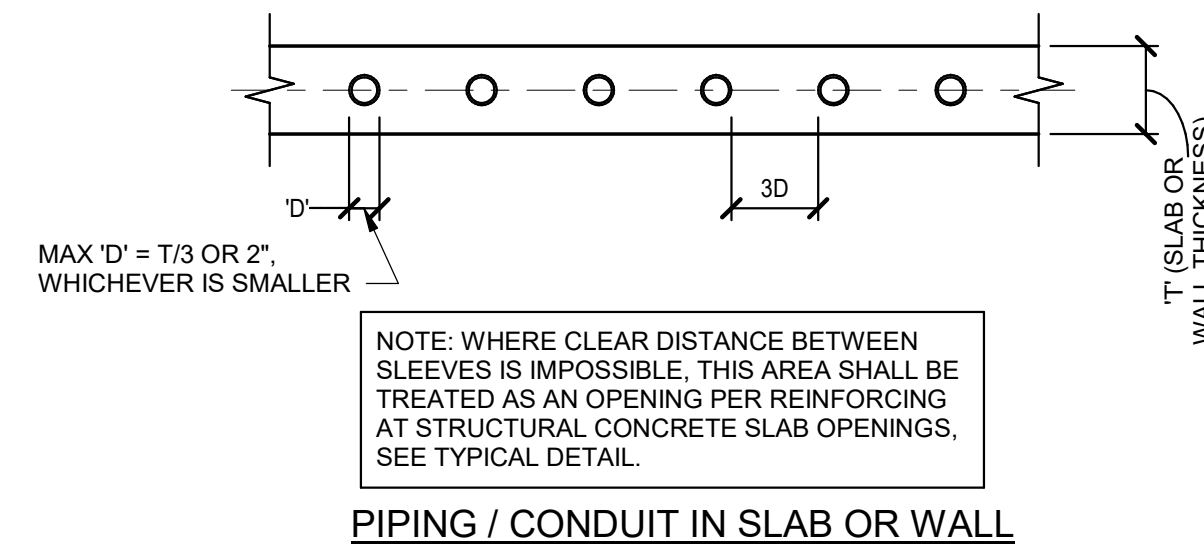
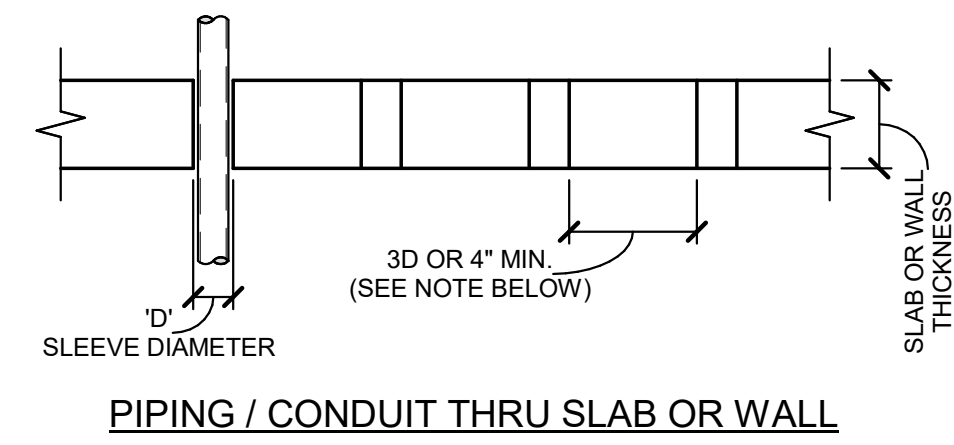


- NOTES:
- JOINTS SHALL OCCUR AT MAIN COLUMN / GRID LINES. W/ 10'-0" MAX. SPACING BETWEEN JOINTS AT 4" SLABS, 12'-0" MAX. AT 5" SLABS, AND 15'-0" MAX. AT 6" SLABS.
  - SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.



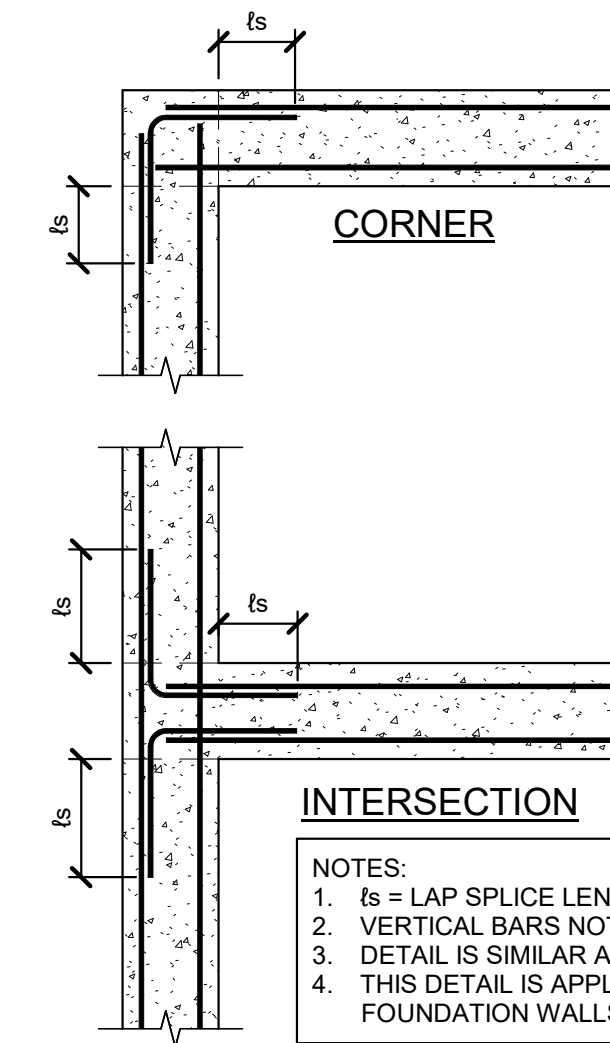
**TYPICAL CONCRETE SLAB JOINTS**  
SCALE: NONE

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S201



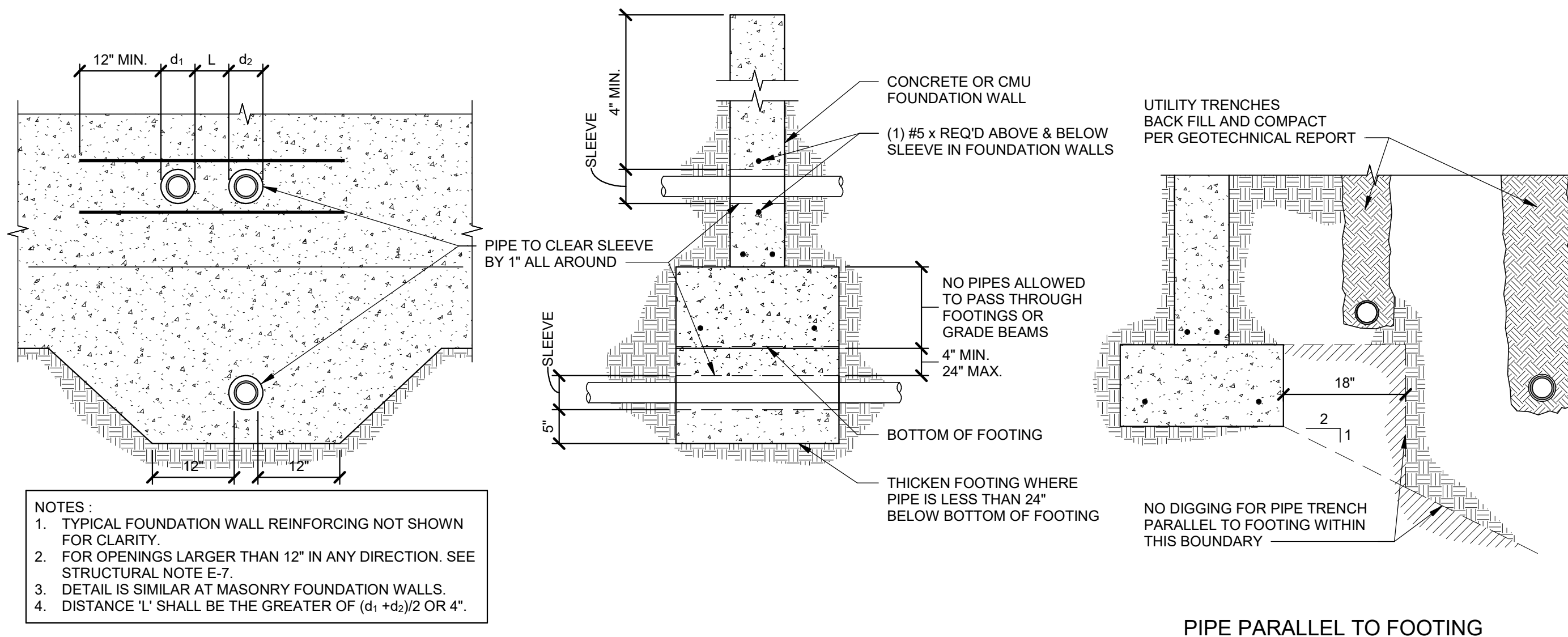
**TYPICAL PIPING/CONDUIT AT SLAB OR WALL**  
SCALE: NONE

2  
S201



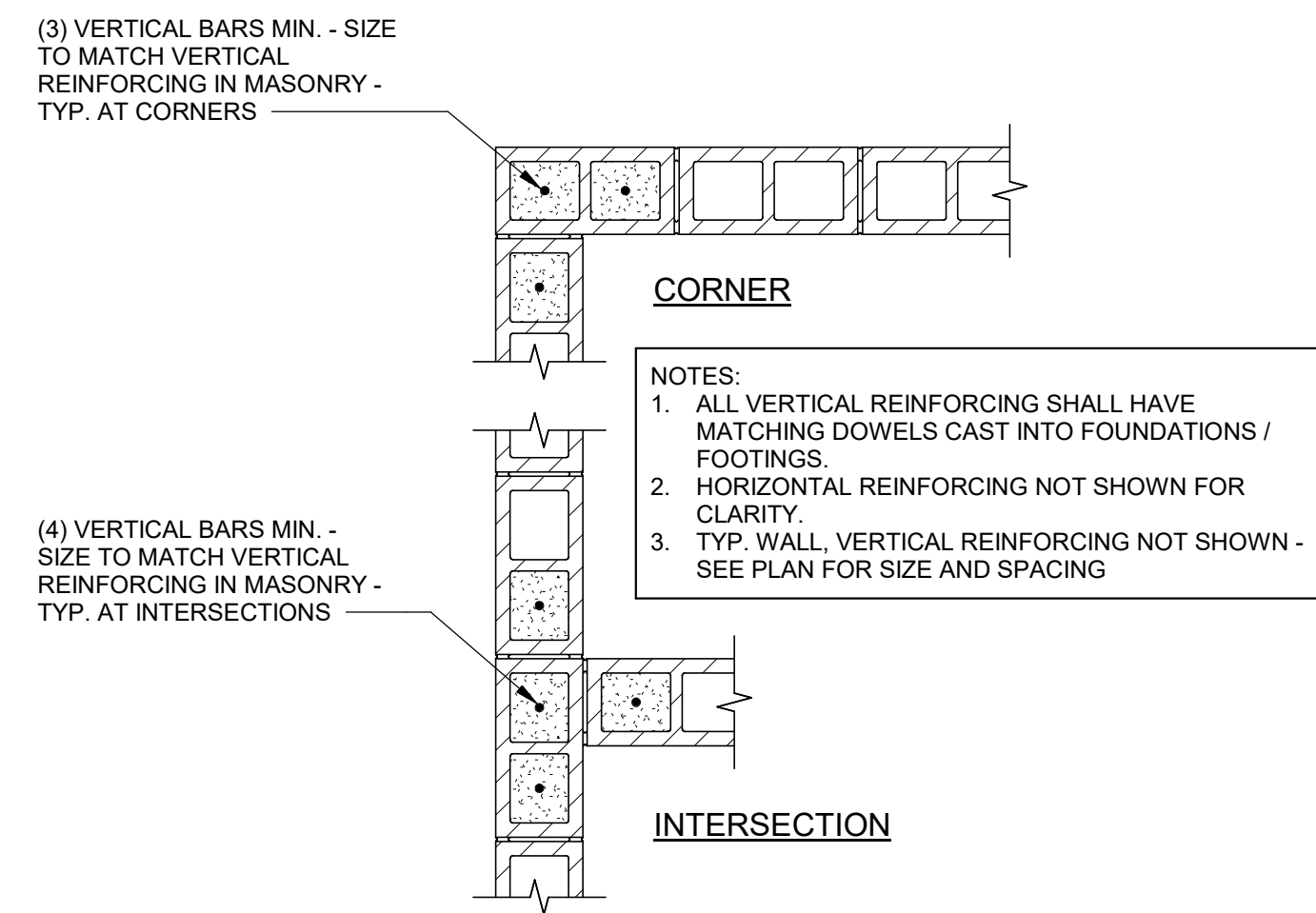
**TYPICAL HORIZONTAL REINFORCING DETAIL**  
SCALE: NONE

3  
S201



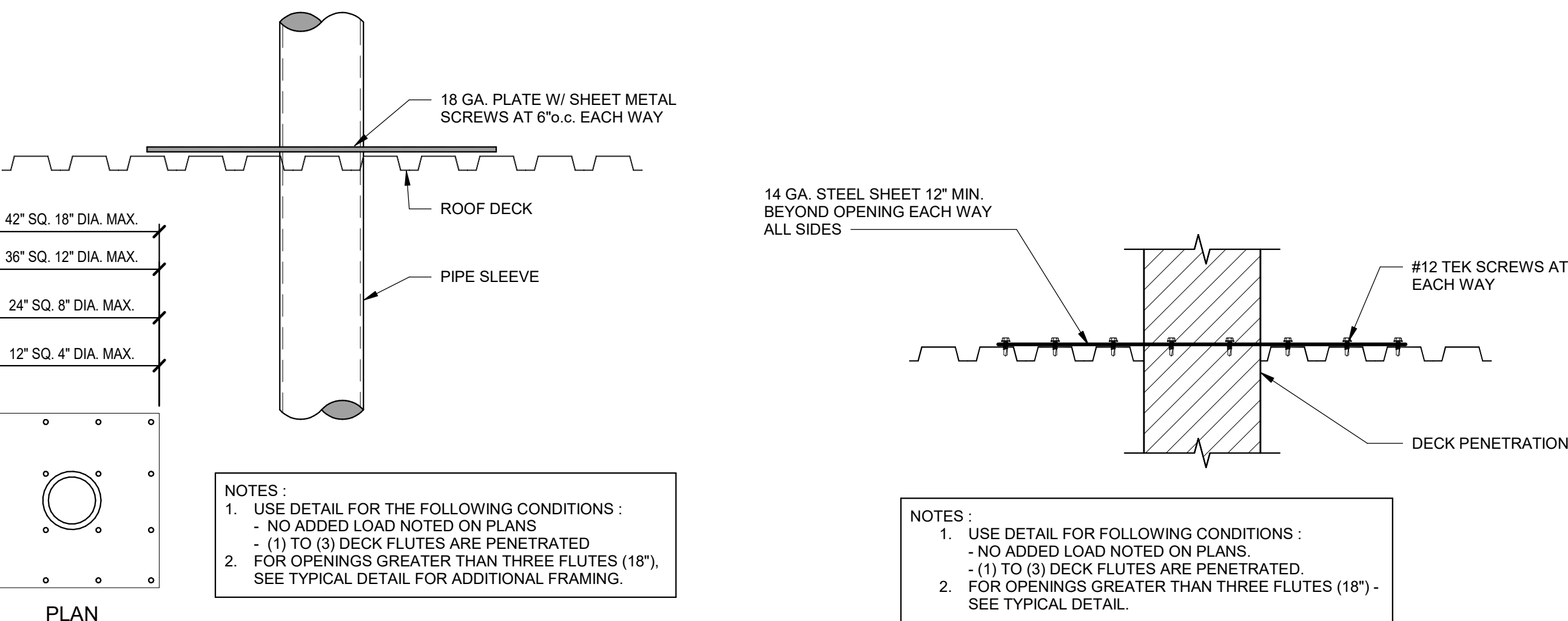
**ALLOWABLE PIPING LOCATIONS @ FOOTING DETAIL**  
SCALE: NONE

4  
S201



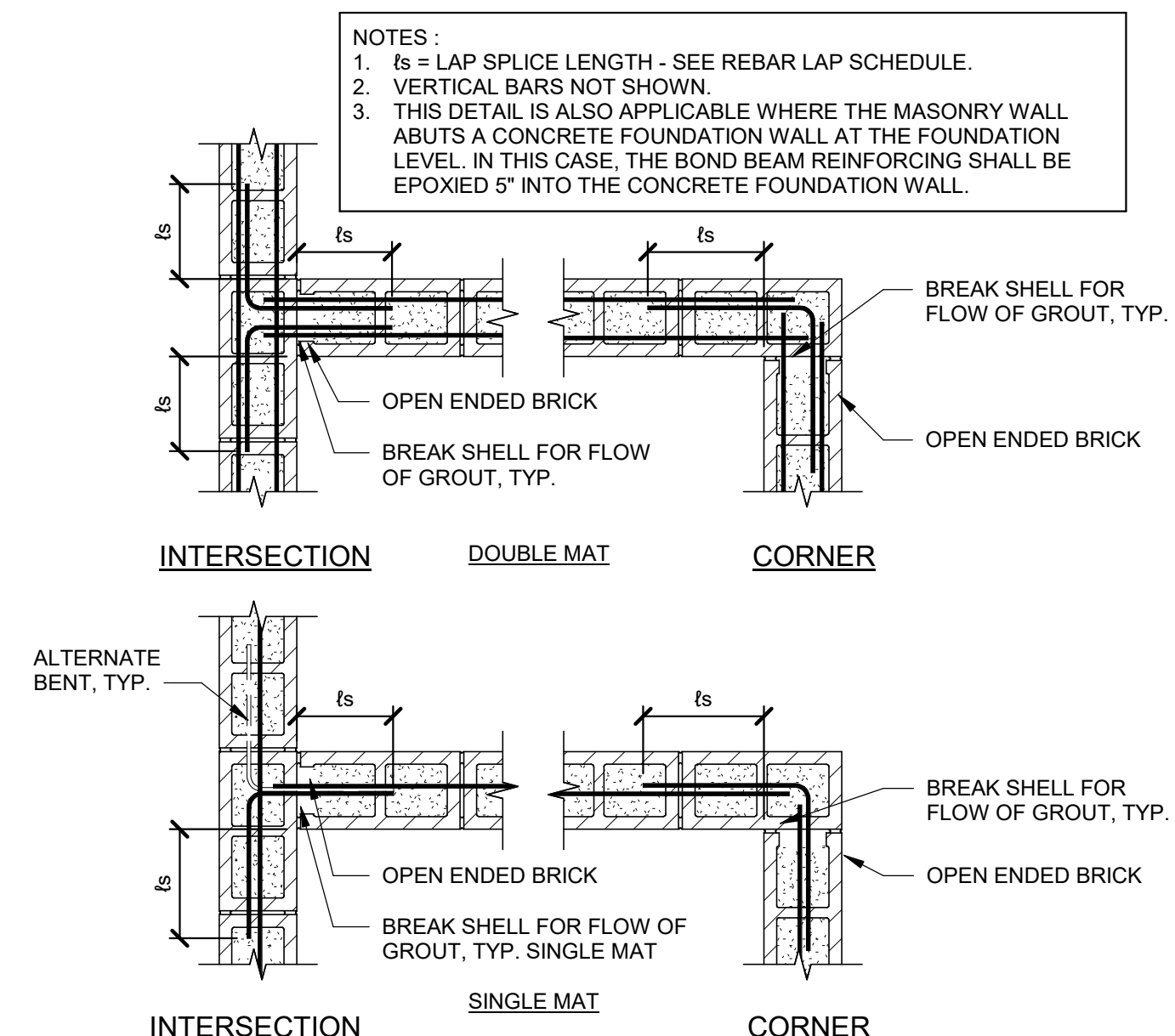
**TYPICAL VERTICAL REINFORCING DETAIL**  
SCALE: NONE

5  
S201



**TYPICAL FRAMING @ SMALL ROOF OPENINGS DETAIL**  
SCALE: NONE

7  
S201

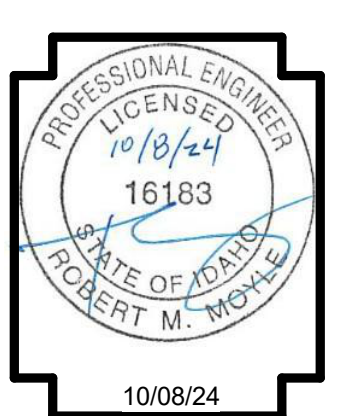


**TYP. REINF. AT INTERSECTIONS IN MASONRY DETAIL**  
SCALE: NONE

8  
S201

**TYPICAL ANCHOR BOLT EMBEDMENT DETAIL**  
SCALE: NONE

6  
S201



DATE



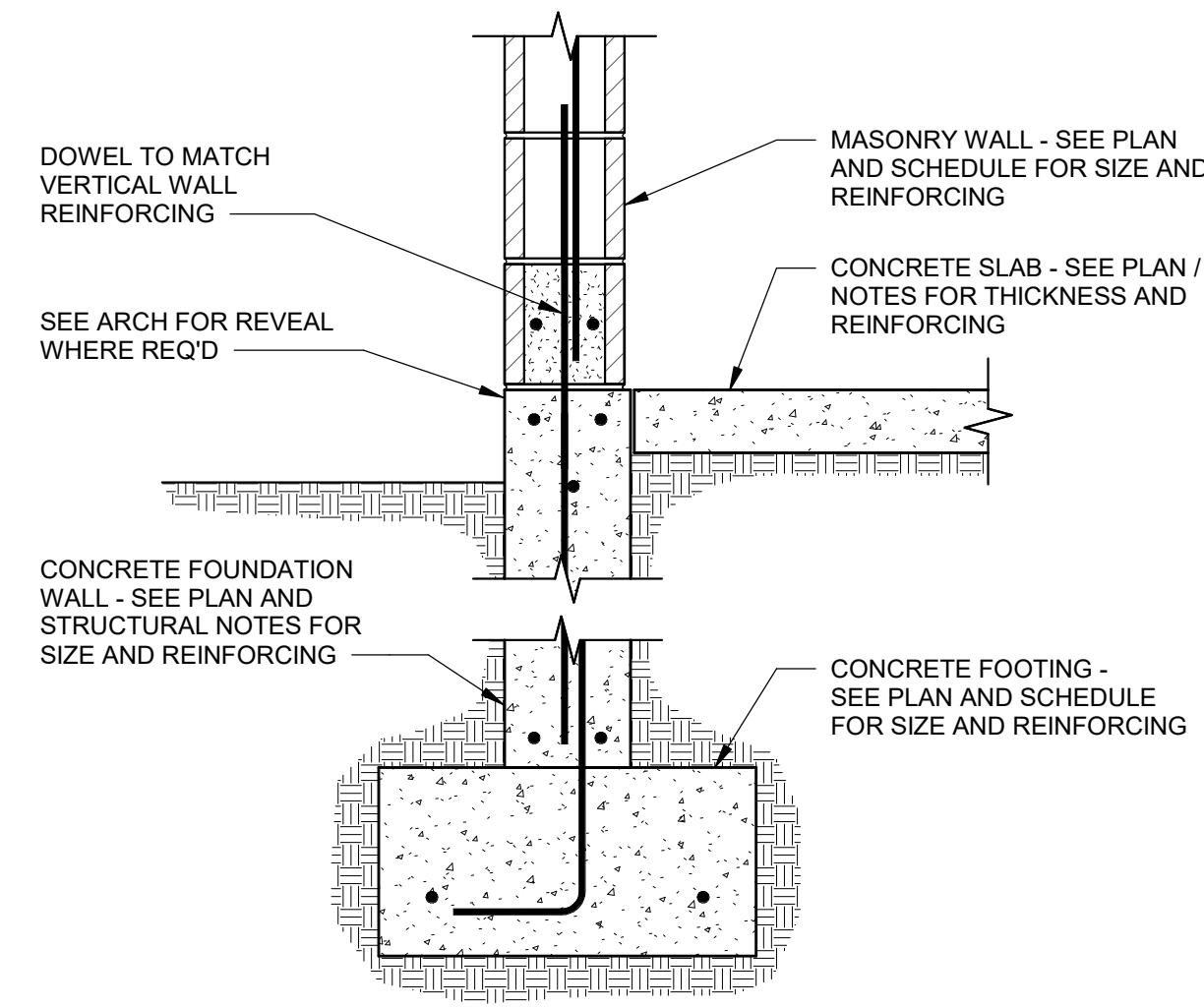
AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
3682 N 3450 E, Kimberly, ID 83341  
TYPICAL DETAILS

**Laughlin Ricks Architecture**  
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**S201**

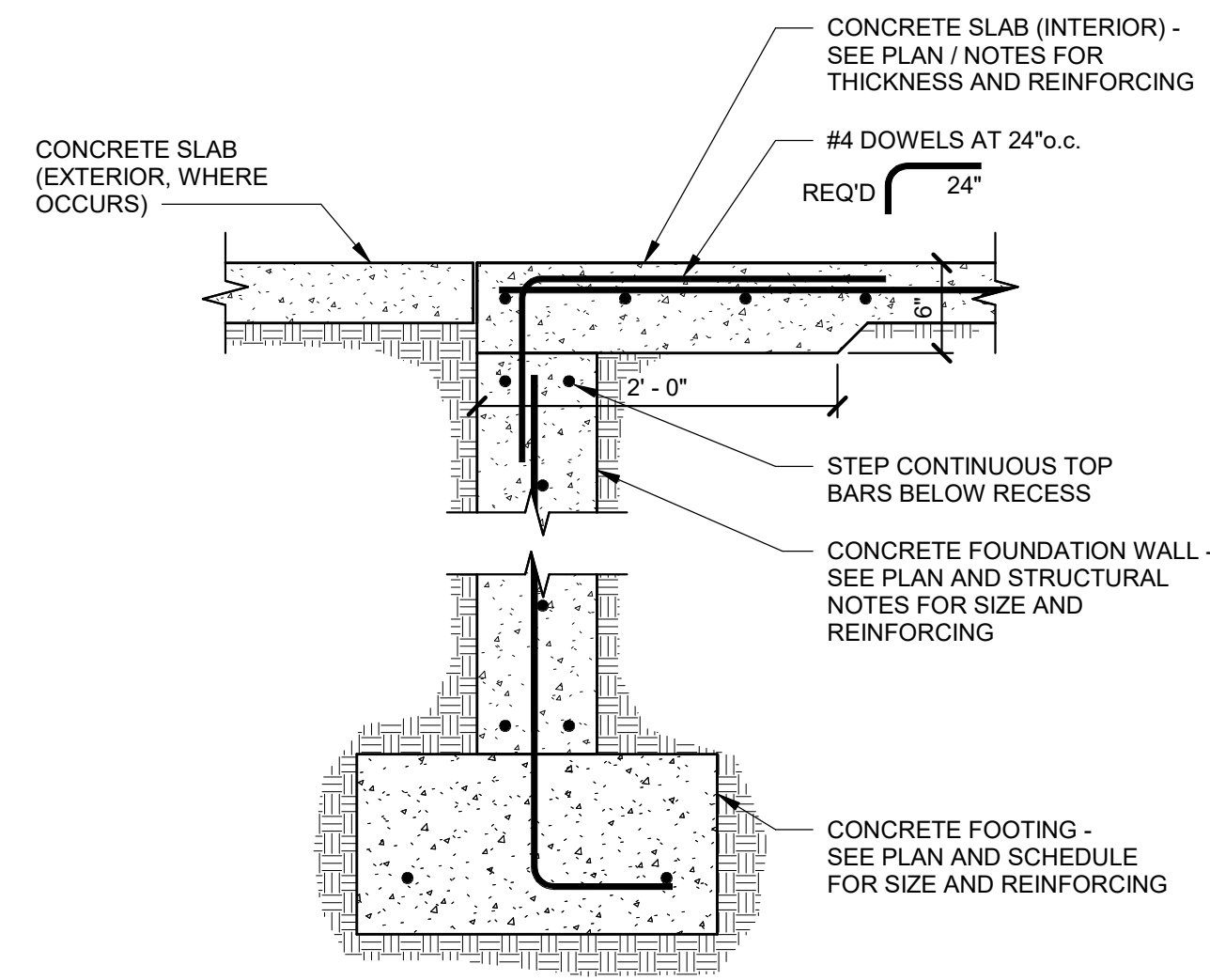




TYP. MASONRY ON CONCRETE FOUNDATION WALL DETAIL

SCALE: NONE

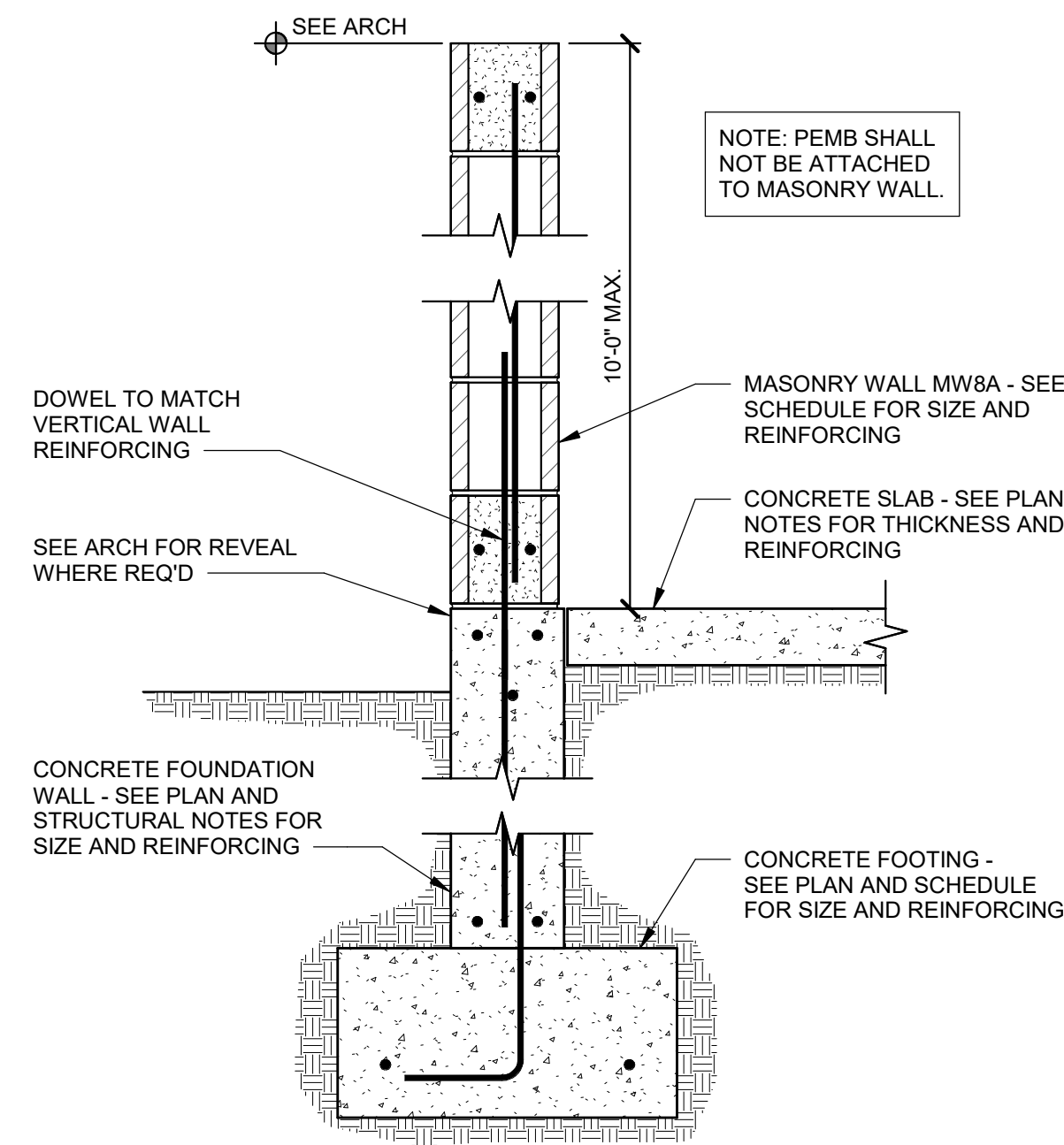
1 S210



CONCRETE FOUNDATION @ OPENING

SCALE: NONE

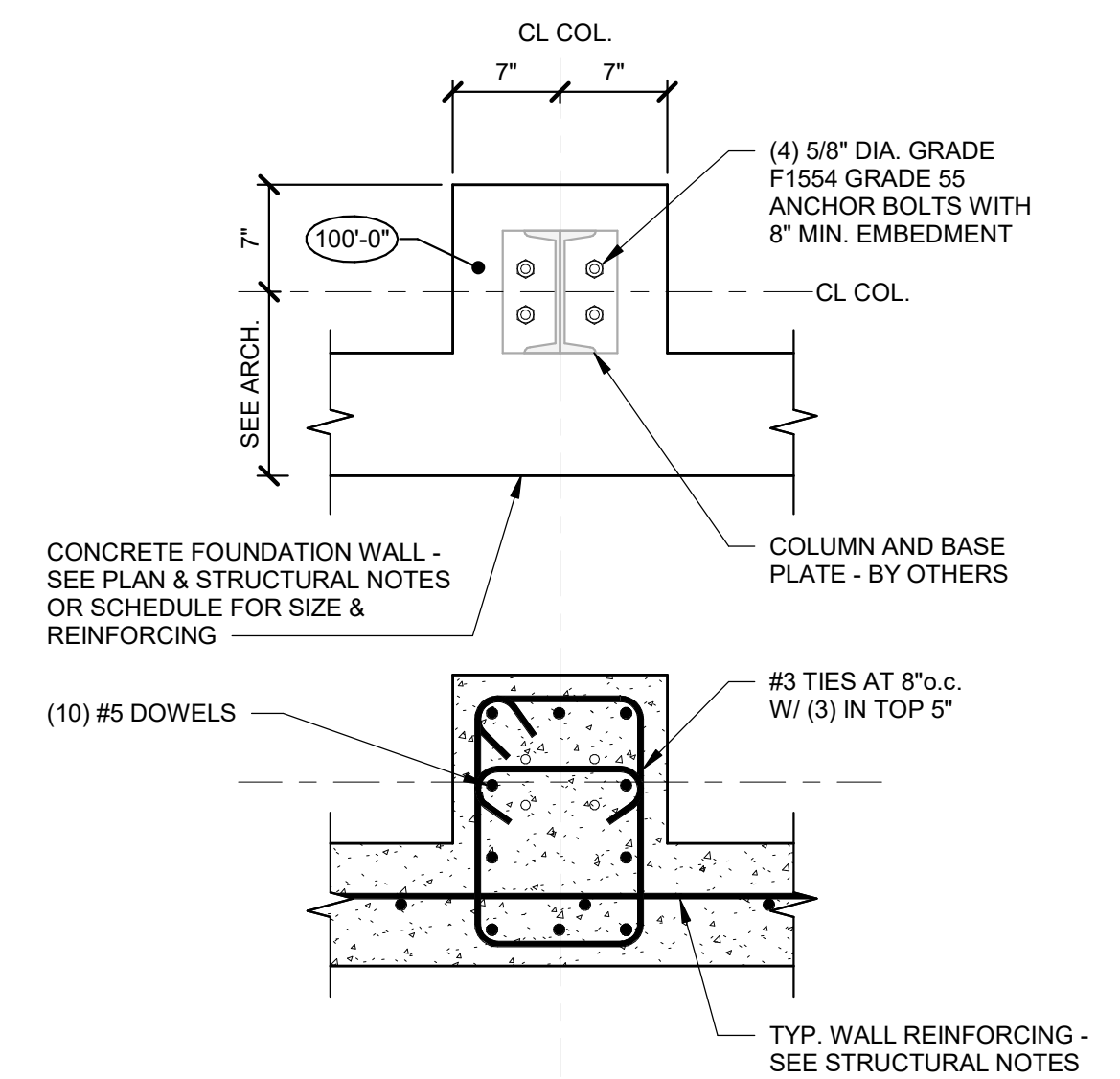
2 S210



TYP. MASONRY ON CONCRETE FOUNDATION WALL DETAIL

SCALE: NONE

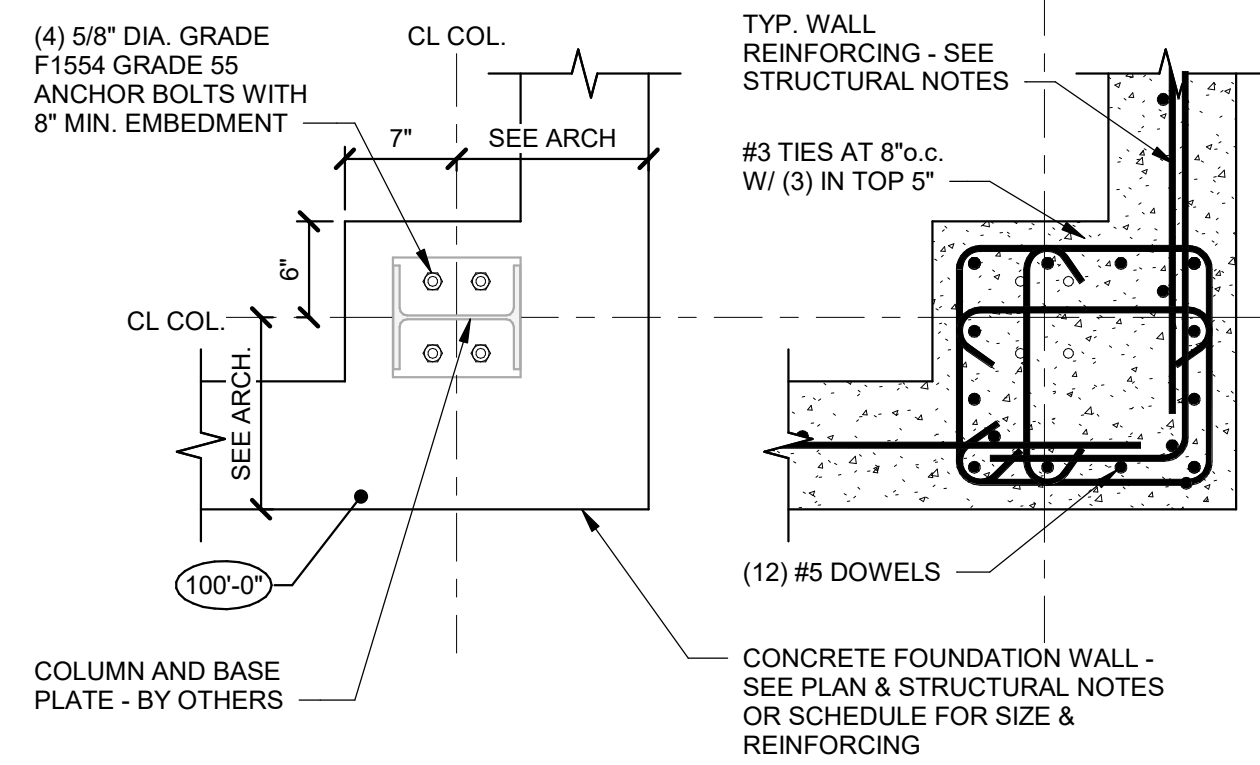
3 S210



DETAIL

SCALE: NONE

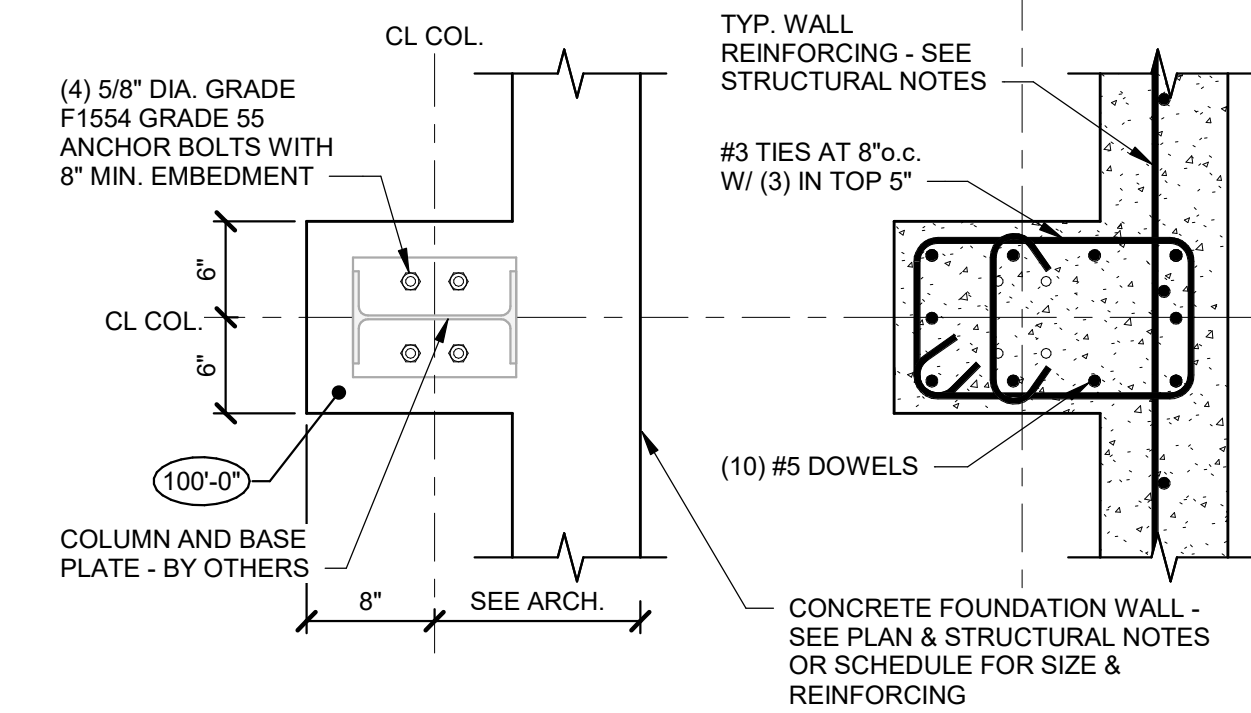
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DETAIL

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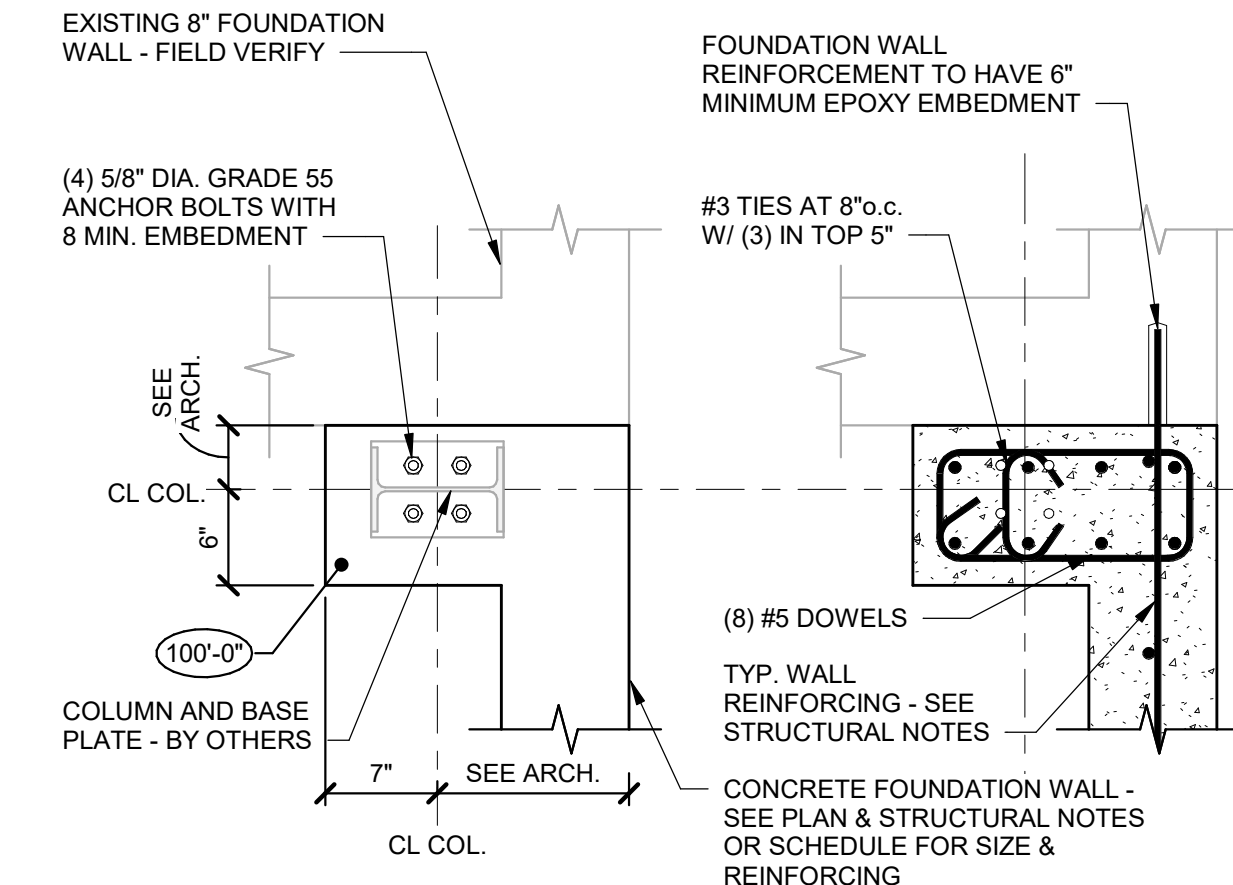
5 S210



DETAIL

SCALE: NONE

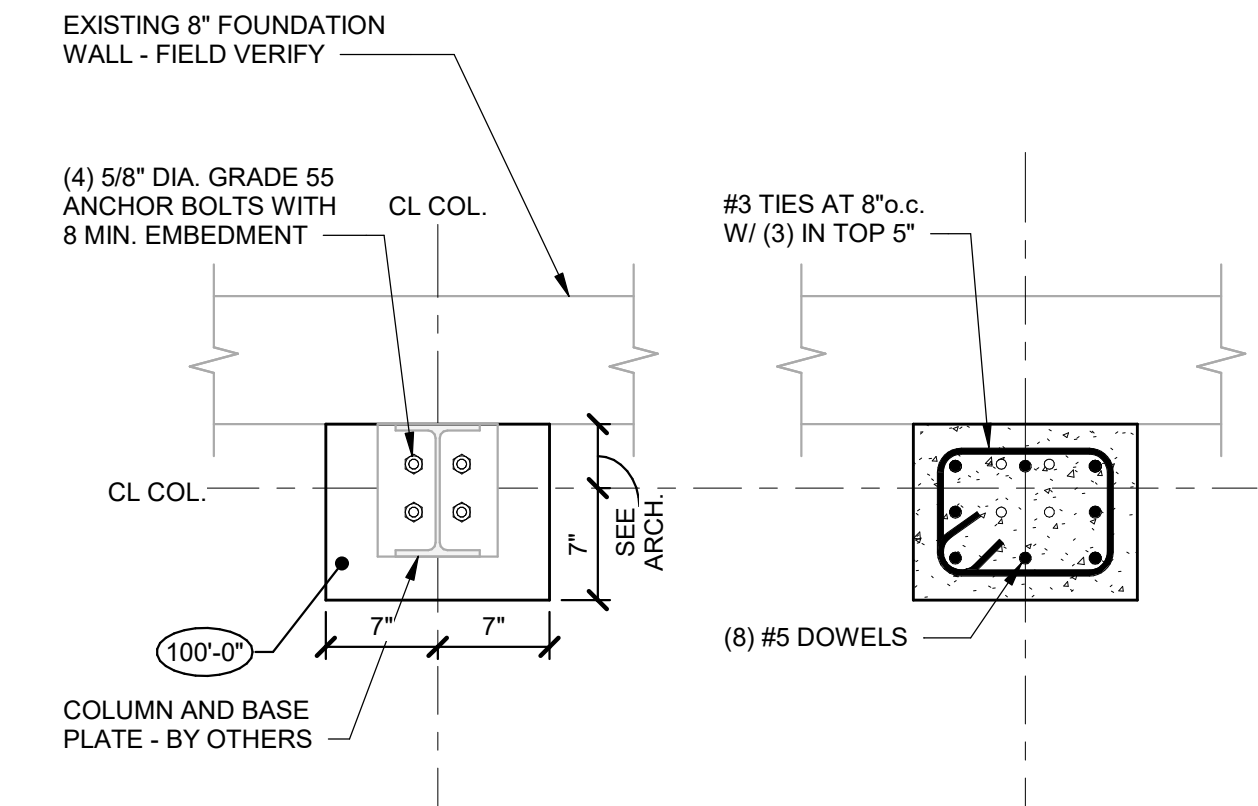
6 S210



DETAIL

SCALE: NONE

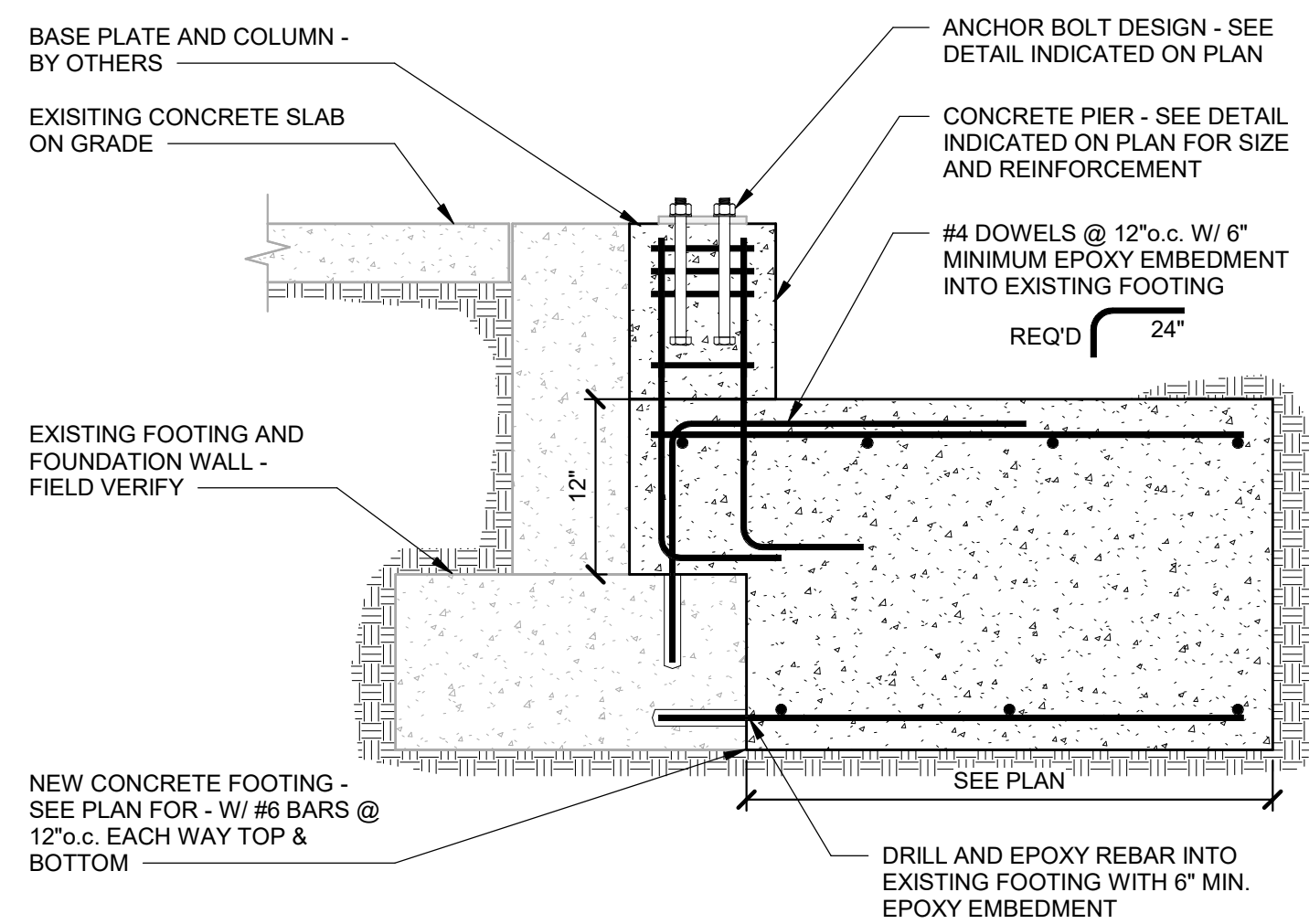
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DETAIL

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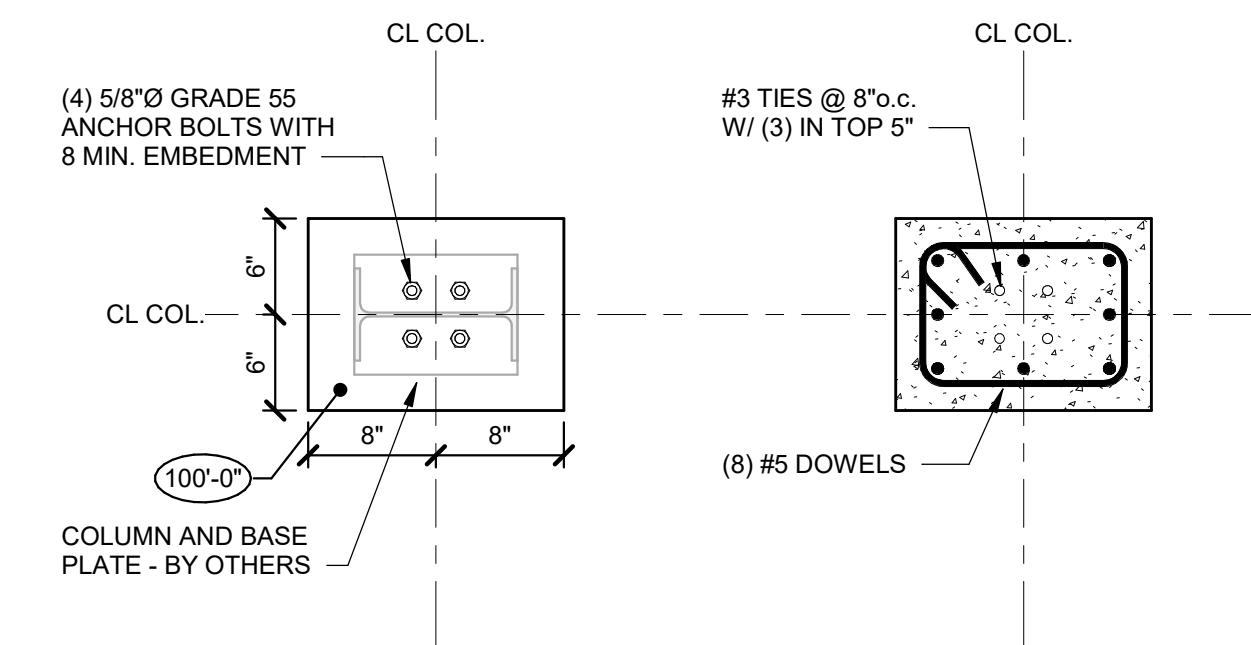
8 S210



CONCRETE FOUNDATION AT OPENING

SCALE: NONE

9 S210



DETAIL

SCALE: NONE

10 S210



DATE: 10/08/24



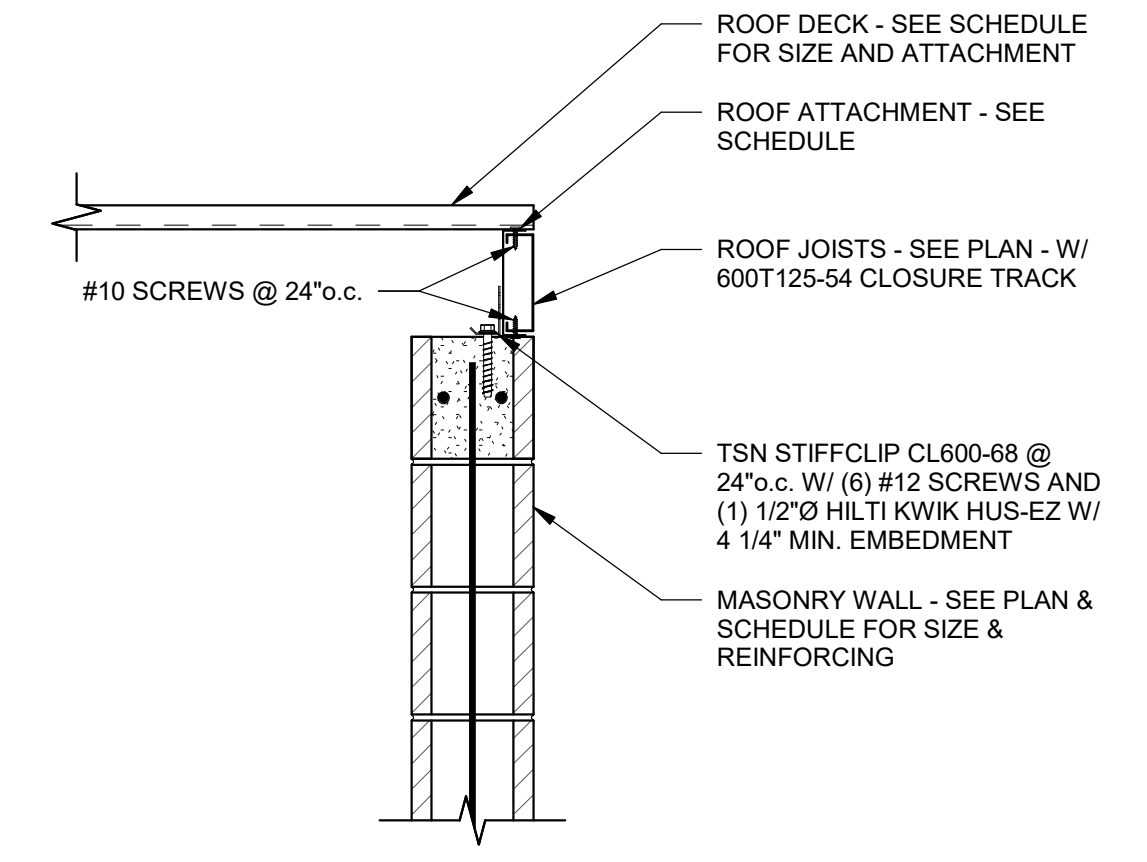
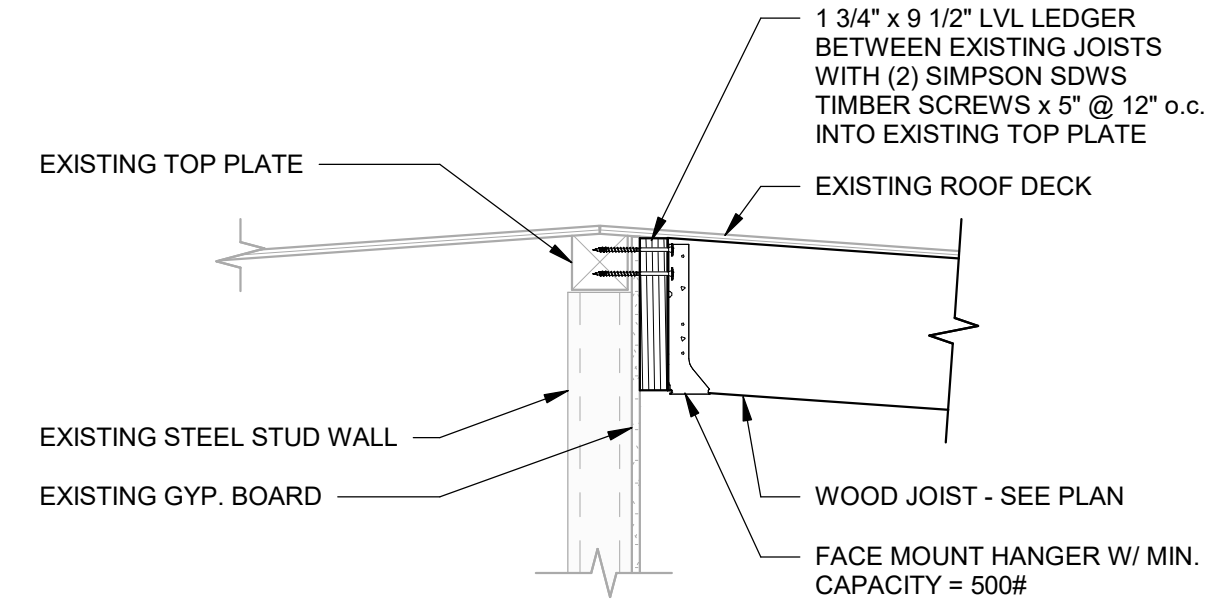
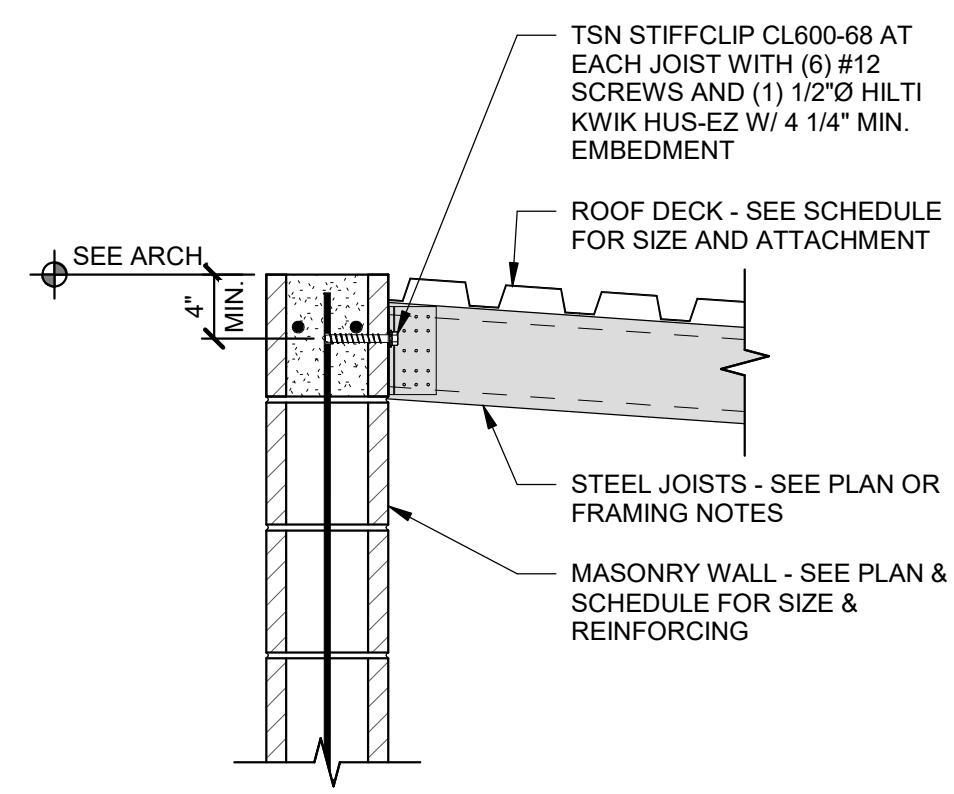
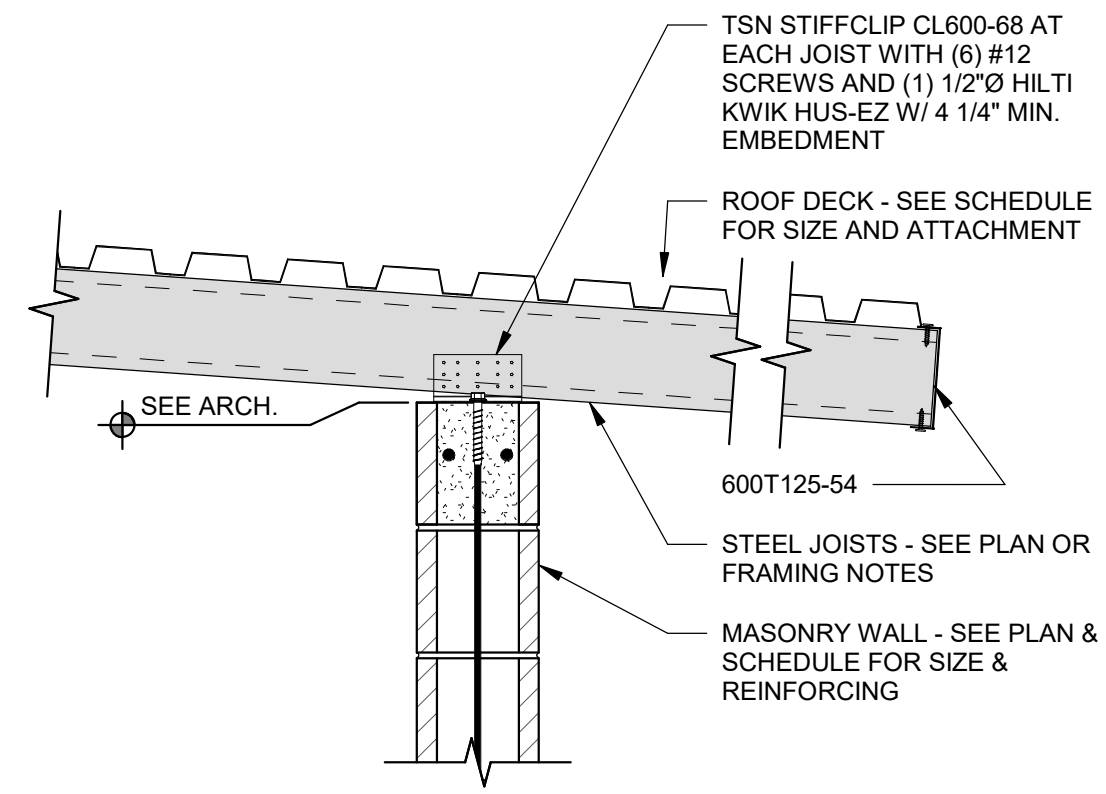
AN ADDITION FOR:  
KIMBERLY SCHOOL DISTRICT  
3682 N 3450 E, Kimberly, ID 83341  
FOUNDATION DETAILS

Laughlin Ricks Architecture  
architecture/planning  
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S210

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DETAIL  
SCALE: NONE

1  
S220

DETAIL  
SCALE: NONE

2  
S220

DETAIL  
SCALE: NONE

3  
S220

DETAIL  
SCALE: NONE

4  
S220



DATE \_\_\_\_\_

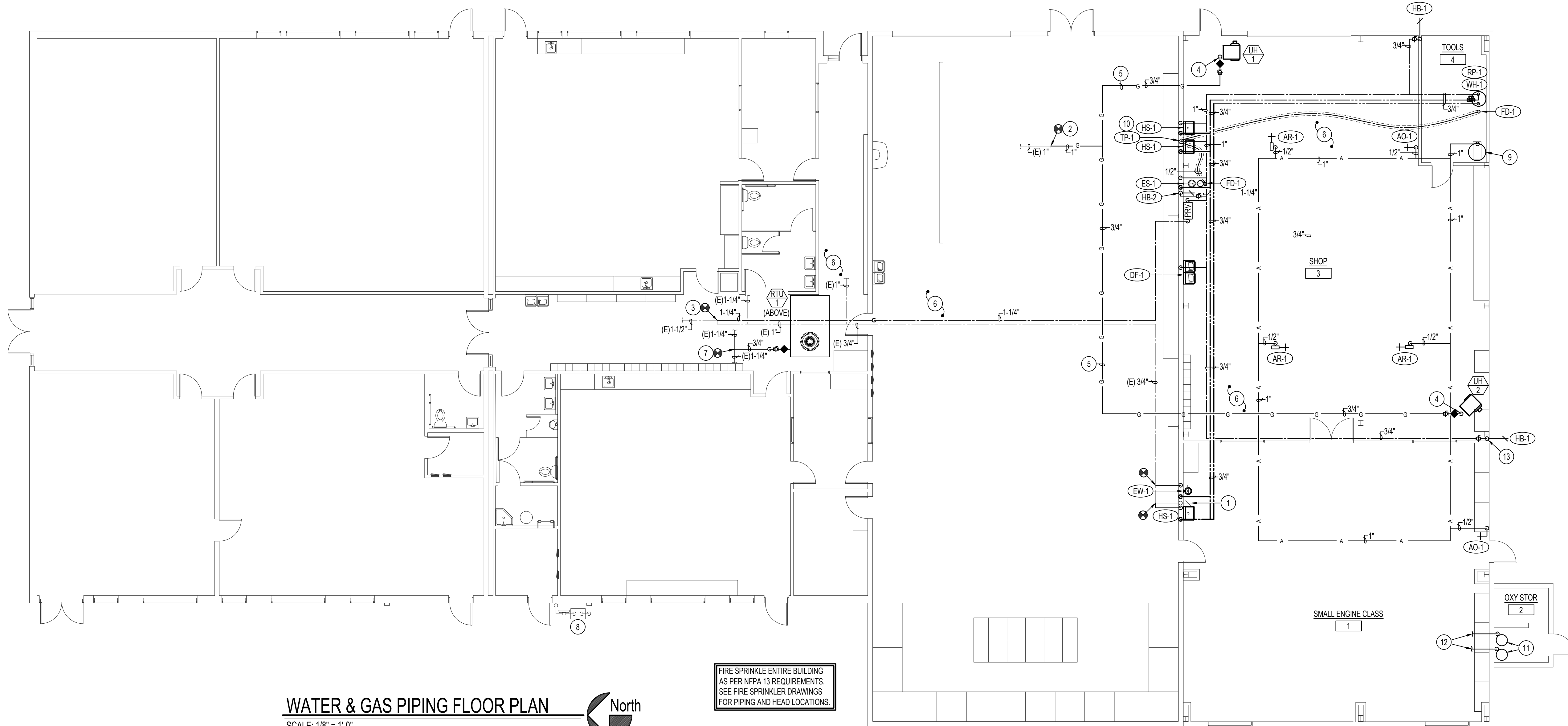


AN ADDITION FOR:  
KIMBERLY SCHOOL DISTRICT  
3682 N 3450 E, Kimberly, ID 83341  
ROOF FRAMING DETAILS

**Laughlin Ricks Architecture**  
architecture/planning  
134 3<sup>RD</sup> Ave East, \* Twin Falls, Idaho 83301  
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PROJECT #

**S220**



**WATER & GAS PIPING FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"  
 North

FIRE SPRINKLE ENTIRE BUILDING AS PER NFPA 13 REQUIREMENTS. SEE FIRE SPRINKLER DRAWINGS FOR PIPING AND HEAD LOCATIONS.

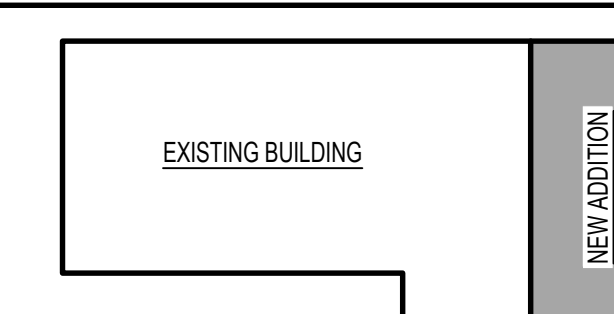
**PLAN NOTES:**

- 1 EXISTING HOSE BIBB TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 2 CONNECT NEW 1" (2 PSI) GAS LINE TO EXISTING 1" (2 PSI) GAS LINE IN THIS LOCATION. FIELD VERIFY EXISTING CONDITIONS.
- 3 CONNECT NEW 1-1/2" COLD WATER LINE TO EXISTING COLD WATER IN THIS LOCATION. FIELD VERIFY EXISTING CONDITIONS.
- 4 DROP 3/4" (2 PSI) GAS LINE DOWN TO UNIT HEATER. INSTALL 2 PSI TO 0.5 PSI REGULATOR ON 2 PSI LINE. SIZE REGULATOR TO ACTUAL BTU LOAD OF UNIT SUPPLIED. VENT REGULATOR TO THE EXTERIOR. CONNECT 3/4" (0.5 PSI) GAS LINE TO UNIT HEATER COMPLETE WITH SHUT-OFF VALVE, DIRT LEG AND FLEXIBLE CONNECTION. SEE DETAIL ON SHEET P2.1.
- 5 RUN 3/4" GAS LINE AS HIGH AS POSSIBLE TO EQUIPMENT AS SHOWN. COORDINATE PIPING ROUTES WITH DUCTWORK, LIGHT FIXTURES, AND BUILDING STRUCTURE. PAINT EXPOSED PIPING SAME COLOR AS CEILING.
- 6 RUN WATER, AIR AND GAS PIPING AS HIGH AS POSSIBLE. COORDINATE PIPING ROUTES WITH DUCTWORK, LIGHT FIXTURES, AND BUILDING STRUCTURE. PAINT EXPOSED PIPING SAME COLOR AS CEILING.
- 7 CONNECT 3/4" (2 PSI) GAS LINE TO EXISTING 1-1/4" (2 PSI) GAS MAIN. RISE 3/4" (2 PSI) GAS LINE UP THRU ROOF AND CONNECT TO ROOFTOP UNIT. INSTALL 2 PSI TO 0.5 PSI REGULATOR ON 2 PSI LINE. SIZE REGULATOR FOR ACTUAL BTU OF UNIT SUPPLIED COMPLETE WITH SHUT-OFF VALVE, FLEXIBLE CONNECTION AND DIRT LEG. SEE DETAIL ON SHEET P2.1. SEAL ROOF PENETRATION WEATHERTIGHT.
- 8 EXISTING GAS METER TO REMAIN. COORDINATE WITH LOCAL GAS COMPANY TO ACCOMMODATE ADDITIONAL 300,000 BTU/H.
- 9 AIR COMPRESSOR FURNISHED BY OWNER. CONTRACTOR TO ROUGH IN AND CONNECT 1" COMPRESSED AIR PIPING. SEE DETAIL ON SHEET P2.1.
- 10 INSTALL TRAP PRIMER BOX 2 FT ABOVE FINISHED FLOOR. PEX PIPING TO FLOOR DRAIN TO BE CONTINUOUS WITHOUT ELBOWS OR JOINTS. SEE DETAIL ON SHEET P2.1.
- 11 RELOCATE EXISTING GAS CYLINDERS AND RESPECTIVE GAS MANIFOLDS TO NEW GAS STORAGE ROOM.
- 12 EXTEND GAS LINES FROM RELOCATED MANIFOLDS TO EXISTING SHOP. FIELD VERIFY EXISTING LOCATION AND MATCH EXISTING PIPING MATERIAL AND SIZE.
- 13 INSTALL HOSE BIBB DROP TIGHT TO COLUMN.

**PLUMBING LEGEND**

SYMBOL	DESCRIPTION
V	VENT
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
—	PIPE DROP
—	PIPE RISE
—	BALL TYPE ISOLATION VALVE
—	SOIL OR WASTE PIPING
—	VENT LINE PIPING
—	DOMESTIC COLD WATER PIPING
—	DOMESTIC HOT WATER PIPING
—	HOT WATER RECIRC. PIPING
—	NATURAL GAS PIPING
A	COMPRESSED AIR PIPING
●	POINT OF CONNECTION

**KEY PLAN**



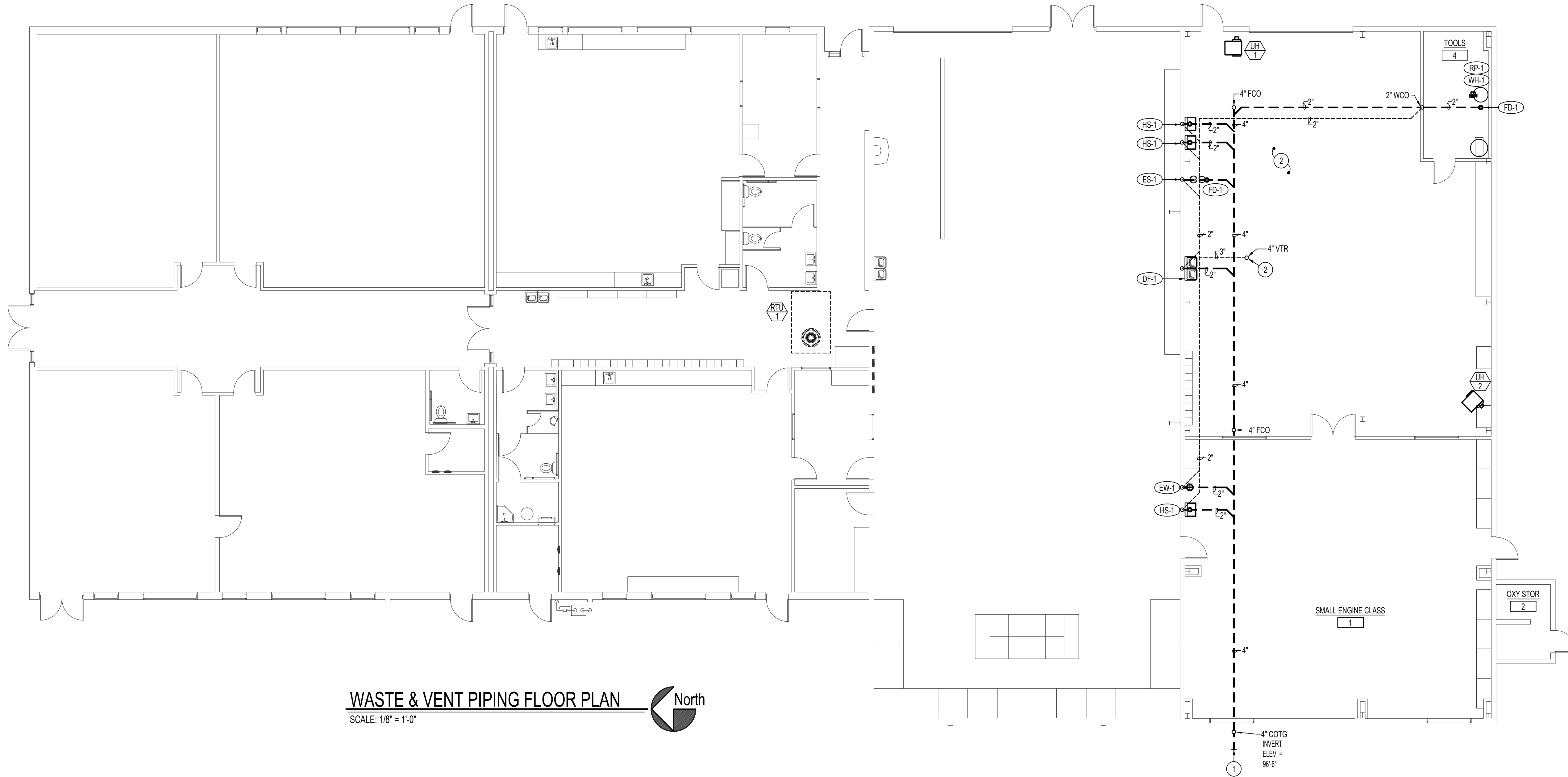
PROFESSIONAL ENGINEER  
 REGISTERED  
 STATE OF IDAHO  
 DAVID L. HANSEN  
 08/23/24

**Engineered Systems Associates**  
 1355 EAST CENTER  
 POCATELLO, IDAHO 83201  
 PHONE: (208) 233-0501  
 FAX: (208) 233-0529  
 EMAIL: esa@engsystems.com  
 ESA JOB NUMBER: 24018

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 885 CENTER ST. W. KIMBERLY, ID 83341  
**WATER & GAS PLUMBING FLOOR PLAN**

**Laughlin Ricks Architecture**  
 architecture/planning  
 134 3RD AVE. E. \* Twin Falls, Idaho 83301  
 (208) 736-8050 Fax: (208) 733-0950

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 Drawn: [Signature] Checked: [Signature]  
**P1.1**



**WASTE & VENT PIPING FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

**PLAN NOTES:**

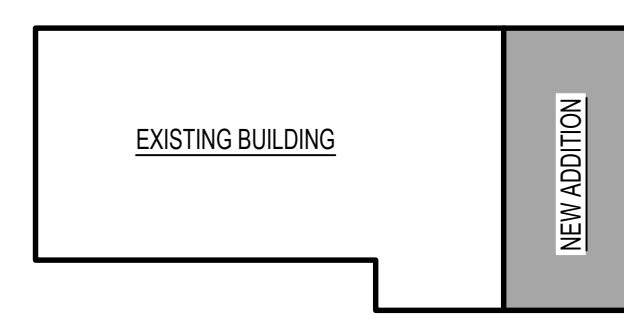
- ① SEE SITE PLAN FOR CONTINUATION.
- ② RUN VENT PIPING AS HIGH AS POSSIBLE IN SHOP AREA. COORDINATE PIPING ROUTES WITH DUCTWORK, LIGHT FIXTURES, AND BUILDING STRUCTURE. PAINT EXPOSED PIPING SAME COLOR AS CEILING. PAINT EXTERIOR VENT THRU ROOF SAME COLOR AS ROOF.

DATE \_\_\_\_\_

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 885 CENTER ST. W. KIMBERLY, ID 83341  
**WASTE & VENT PIPING FLOOR PLAN**

**Laughlin Ricks Architecture**  
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**KEY PLAN**



08/23/24

**Engineered Systems Associates**

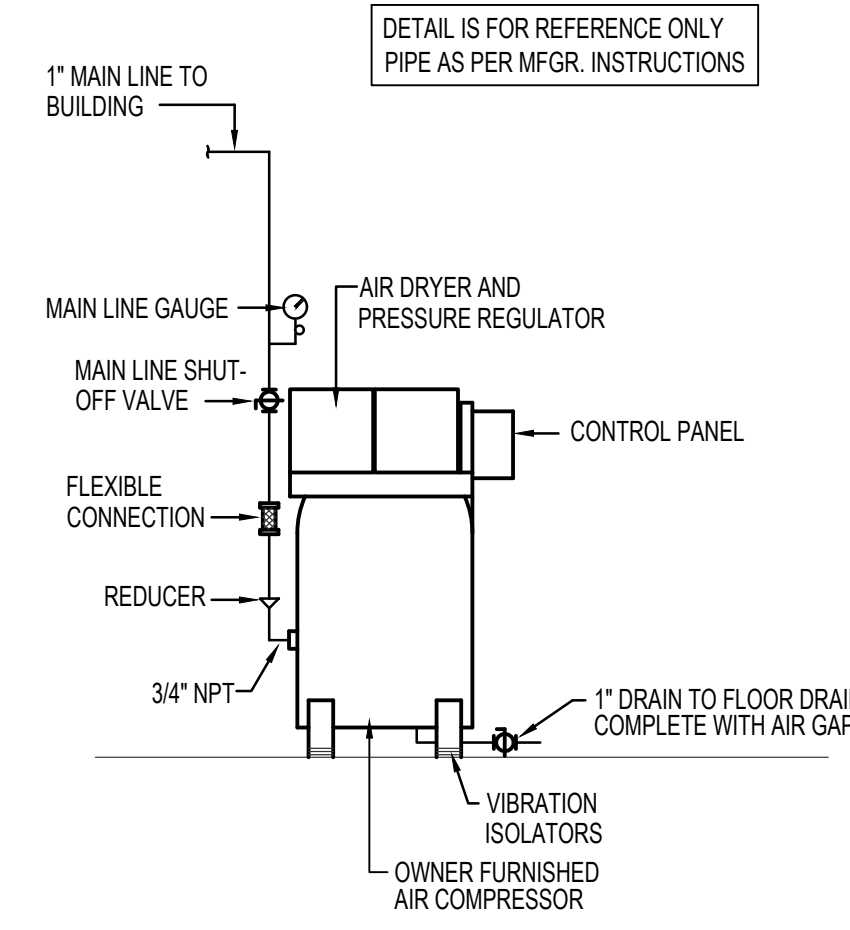
1355 EAST CENTER  
 POCATELLO, IDAHO 83201  
 PHONE: (208) 233-0501  
 FAX: (208) 233-0529  
 EMAIL: esa@engsystems.com

DATE: 9/23/2024

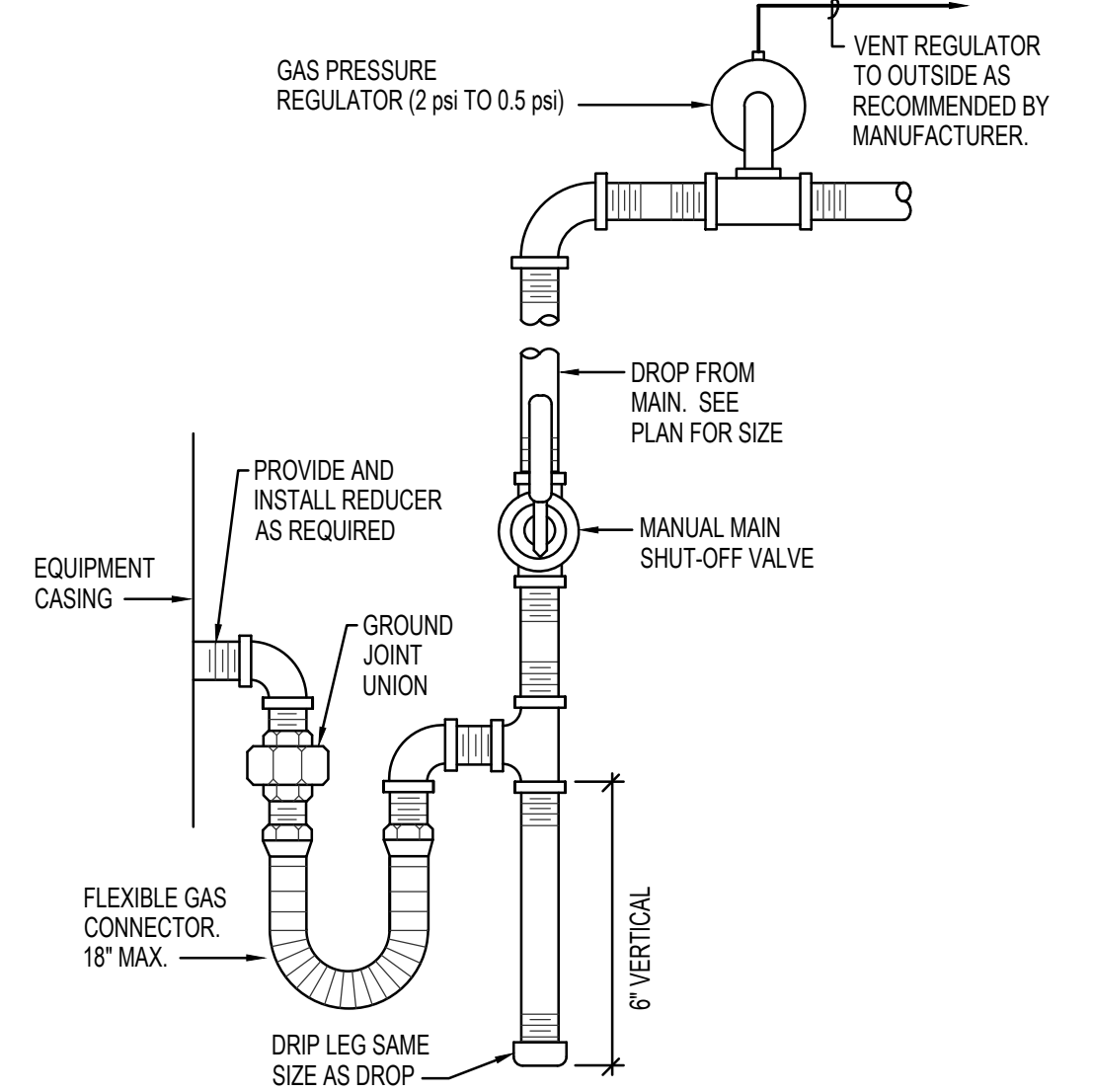
By: DLH  
 Drawn: \_\_\_\_\_  
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**P1.2**

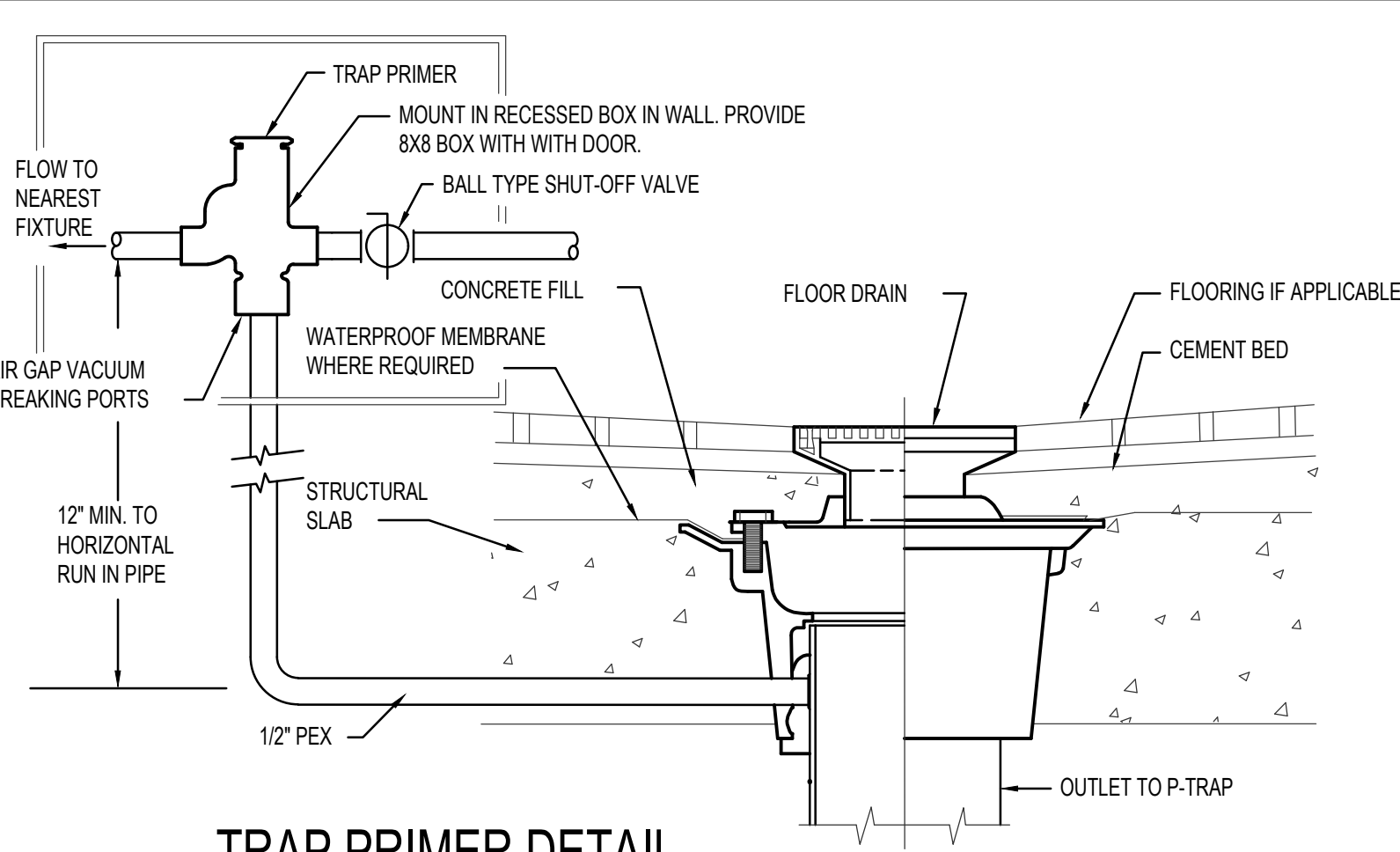
ESA JOB NUMBER: 24018



**AIR COMPRESSOR PIPING DETAIL**  
NO SCALE

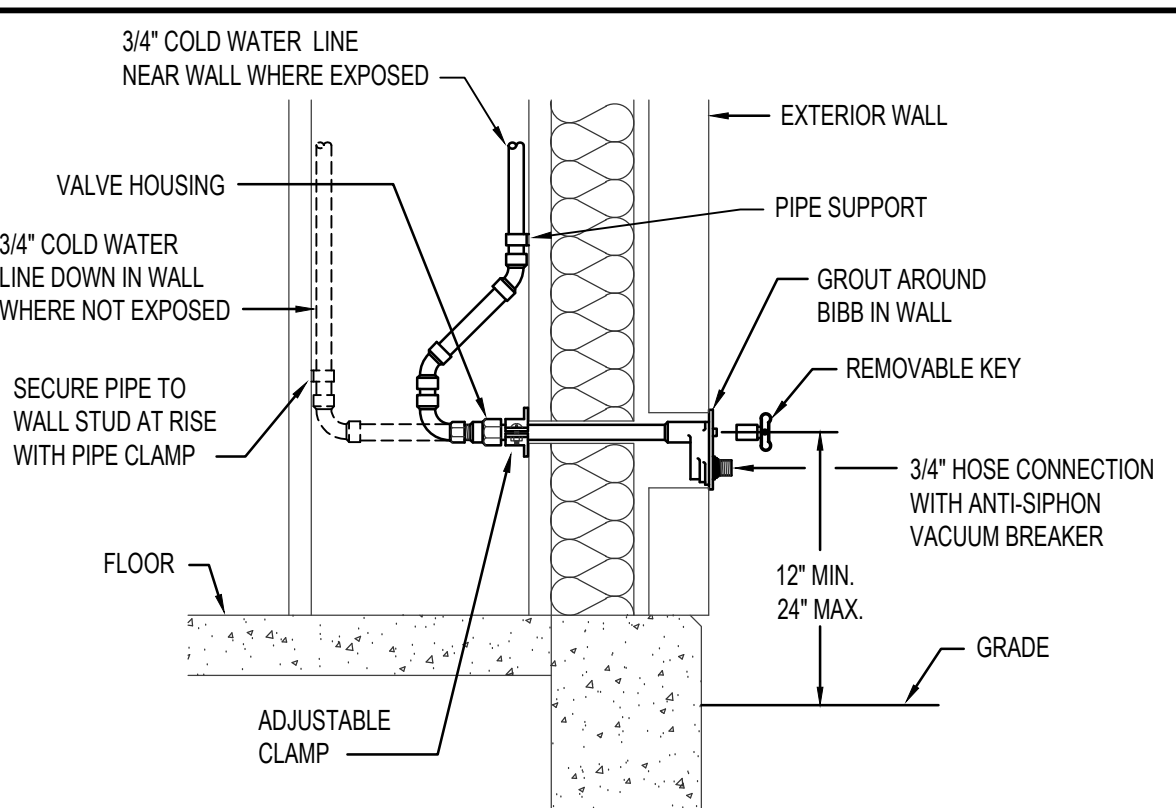


**GAS LINE CONNECTION DETAIL**  
NO SCALE

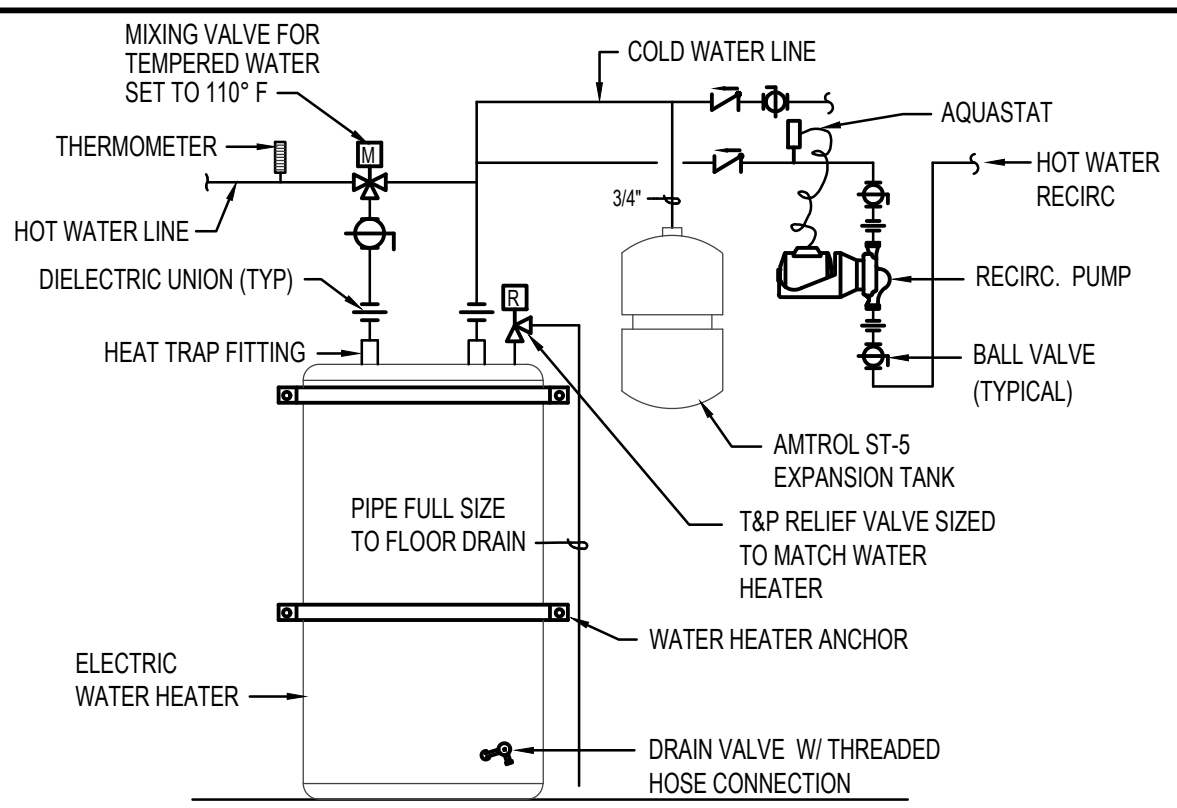


**TRAP PRIMER DETAIL**  
NO SCALE

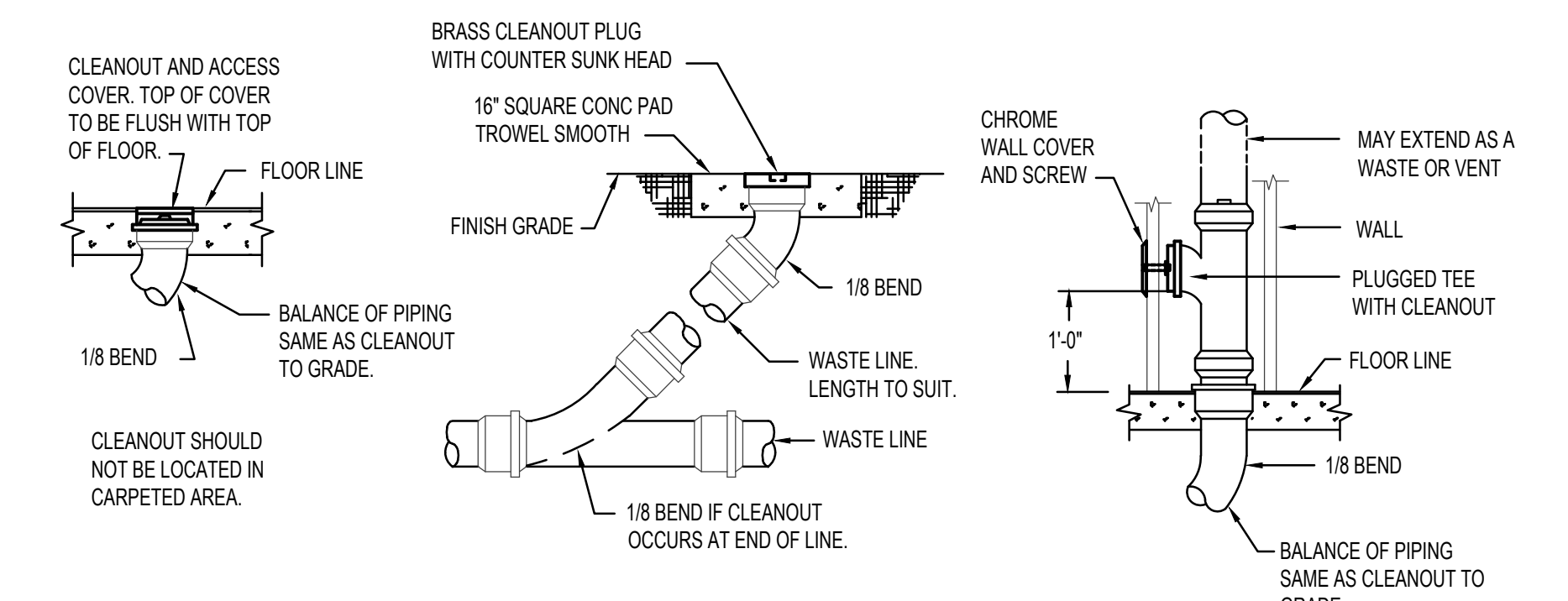
FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
AO-1	INTERIOR AIR OUTLET - MILTON M-STYLE QUICK CONNECT FEMALE HOSE COUPLING WITH 1/2" SUPPLY LINE AND SHUT-OFF VALVE. REFER TO DETAIL ON THIS SHEET FOR TYPICAL INSTALLATION. MOUNT AT 48" ABOVE FINISHED FLOOR.				
AR-1	OVERHEAD MOUNTED AIR HOSE REEL - REELCRAFT HOSE REEL ASSEMBLY WITH SPRING RETURN. SEE DETAIL ON THIS SHEET. PROVIDE 50 FT OF FLEXIBLE HOSE RATED FOR COMPRESSED AIR AND MILTON M-STYLE QUICK-CONNECT COUPLING, 1/2" SUPPLY LINE AND SHUT-OFF VALVE. CONFIRM MOUNTING HEIGHT AND LOCATION WITH OWNER.				
DF-1	BILEVEL DRINKING FOUNTAIN - ELKAY MODEL LZSTL8WSLP AND EZH20 BOTTLE FILLER COMPLETE WITH FILTER, HANDS FREE FILL VALVE, 1/2" STOP, 1-1/2" P-TRAP AND FLEX-GUARD SAFETY BUBBLER VALVE. (120601)		1/2"	1-1/2"	1-1/2"
ES-1	EMERGENCY SHOWER AND EYEWASH - HAWS 8320-8325 WITH GREEN ABS PLASTIC SHOWER HEAD WITH INTEGRAL FLOW CONTROL, ABS PLASTIC BOWL, CHROME PLATED BRASS IN-LINE WATER STRAINER, STAY-OPEN SHOWER AND EYEWASH BALL VALVES. POWDER COATED CAST IRON FLOOR FLANGE. PROVIDE MIXING VALVE FOR HW & CW PIPING (1" x 1" INLETS x 1-1/4" OUTLET). VALVE TO BE COMPLIANT WITH OSHA NATIONAL CODES AND ANSI Z.358.1. SET DISCHARGE TEMPERATURE TO 65°F WITH A 20 GPM MINIMUM FLOW RATE.	1-1/4" MIXED			
EW-1	EMERGENCY EYEWASH - HAWS 720B-727B WITH GREEN ABS PLASTIC BOWL. PROVIDE MIXING VALVE FOR HW & CW PIPING (1/2" OUTLET). VALVE TO BE COMPLIANT WITH OSHA NATIONAL CODES AND ANSI Z.358.1. SET DISCHARGE TO A 3.7 GPM MINIMUM FLOW RATE.	1/2"	1/2"		
FD-1	2" FLOOR DRAIN WITH TRAP PRIMER - ZURN Z-415B WITH 5/8" NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP WITH TRAP PRIMER. SEE DETAIL ON THIS SHEET. A TRAP SEAL CAN BE USED IN PLACE OF TRAP PRIMER IF ALLOWED BY INSPECTOR.			2"	2"
HB-1	EXTERIOR HOSE BIBB - ZURN Z-1310 "ECOLOTRON" WITH REMOVABLE KEY, VACUUM BREAKER AND AUTOMATIC DRAIN. LENGTH TO SUIT WALL THICKNESS. REFER TO DETAIL ON THIS SHEET FOR TYPICAL INSTALLATION.		3/4"		
HB-2	INTERIOR HOSE BIBB - WOODFORD MODEL 24P-1/2 WITH VACUUM BREAKER AND REMOVABLE CHROME TEE HANDLE.		1/2"		
HS-1	HAND WASH SINK - ELKAY MODEL E1CX20-0X STAINLESS STEEL SINK WITH SUPPORT LEGS, (1) CHICAGO 44S-DJ13ABCP DOUBLE-JOINTED SWING ARM SPOUT, (3) LK18B STRAINERS, 1/2" STOPS AND SINGLE 2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
RP-1	HOT WATER RECIRC. PUMP - BAG SERIES LR-208F "LITTLE RED" WITH 2 GPM FLOW AT 8' HEAD AND 3/4" LINE CONNECTIONS. MOUNT NEAR WATER HEATER. REFER TO DETAIL ON THIS SHEET FOR TYPICAL PIPE CONNECTION. 120V/1PH	3/4"			
TP-1	TRAP PRIMER - JAY R. SMITH MODEL 271FM-04-13-120 ELECTRONIC TRAP SEAL PRIMER WITH AIR GAP, 24 HOUR TIME TIMER WITH RELAY AND ADJUSTABLE DELAY. STEEL CABINET ENCLOSURE WITH PADLOCK LATCH ACCESS DOOR, STAINLESS STEEL SLOW-CLOSING SOLENOID VALVE, AND 1/2" WATER CONNECTION. (120601 - SA)		1/2"		
WH-1	ELECTRIC WATER HEATER - A.O. SMITH MODEL HNT-50 WITH 50 GALLON CAPACITY, (2) 4.5 KW NON-SIMULTANEOUS ELEMENTS (208601), 3/4" SUPPLIES AND T&P RELIEF VALVE, THERMAL EXPANSION TANK, HEAT TRAP NIPPLES AND SYMMONS 7-200 MIXING VALVE.	3/4"	3/4"		



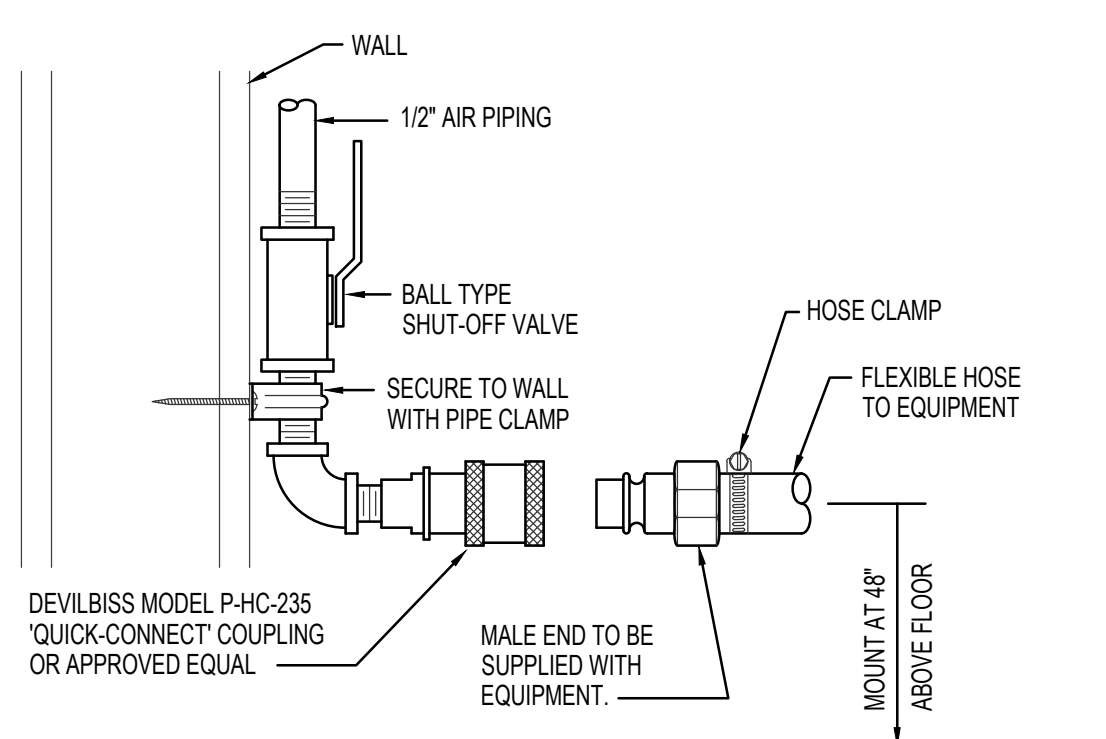
**EXTERIOR HOSE BIBB DETAIL**  
NO SCALE



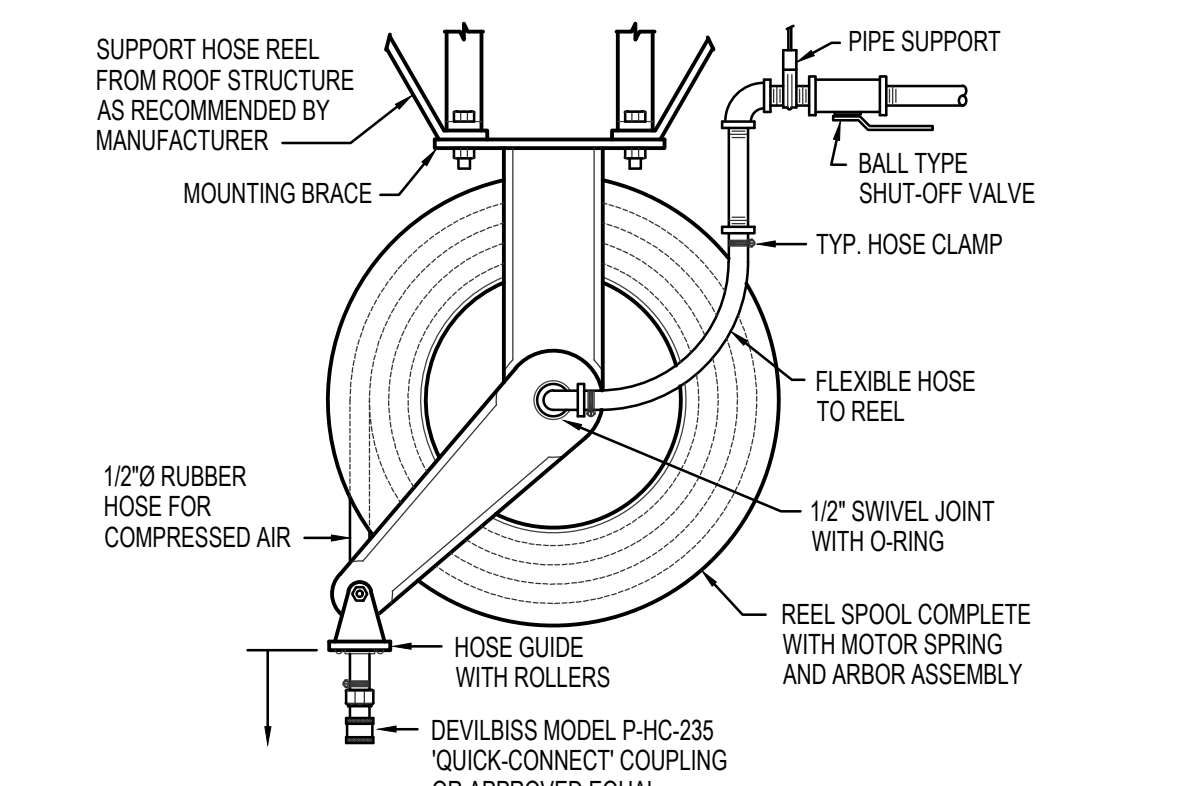
**WATER HEATER PIPING DETAIL**  
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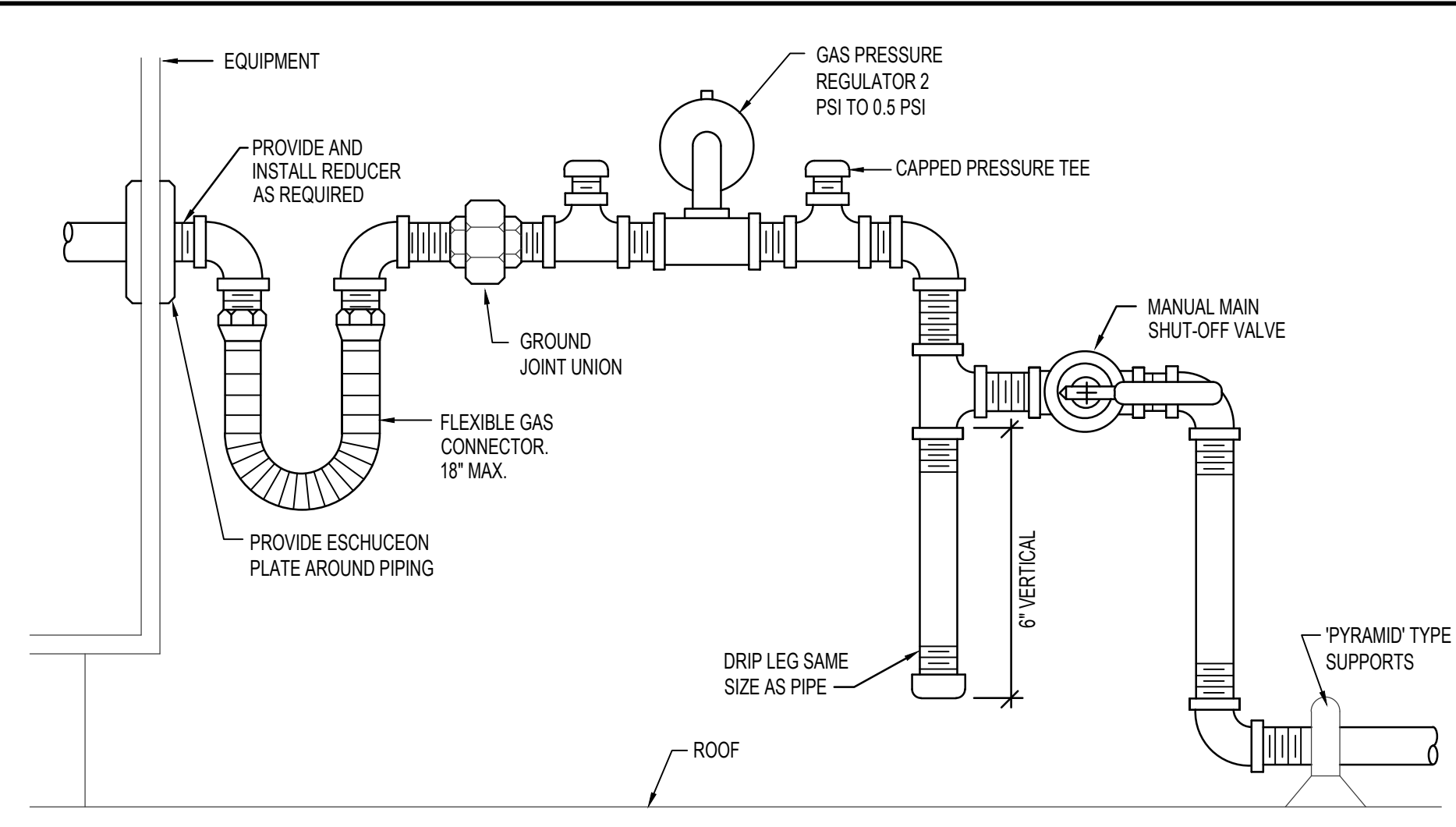
**CLEAN OUT DETAILS**  
NO SCALE



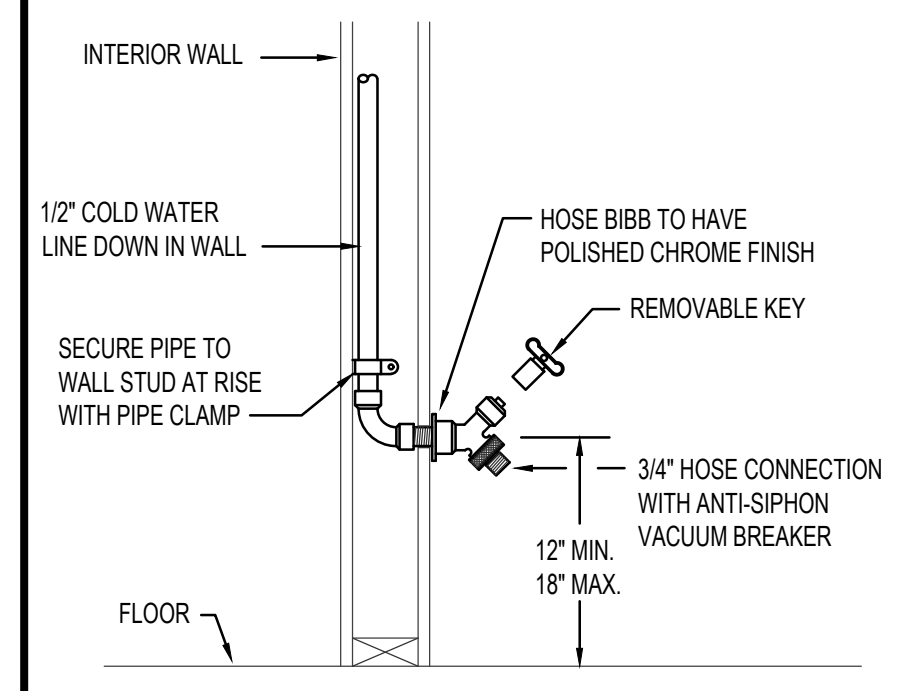
**COMPRESSED AIR OUTLET DETAIL**  
NO SCALE



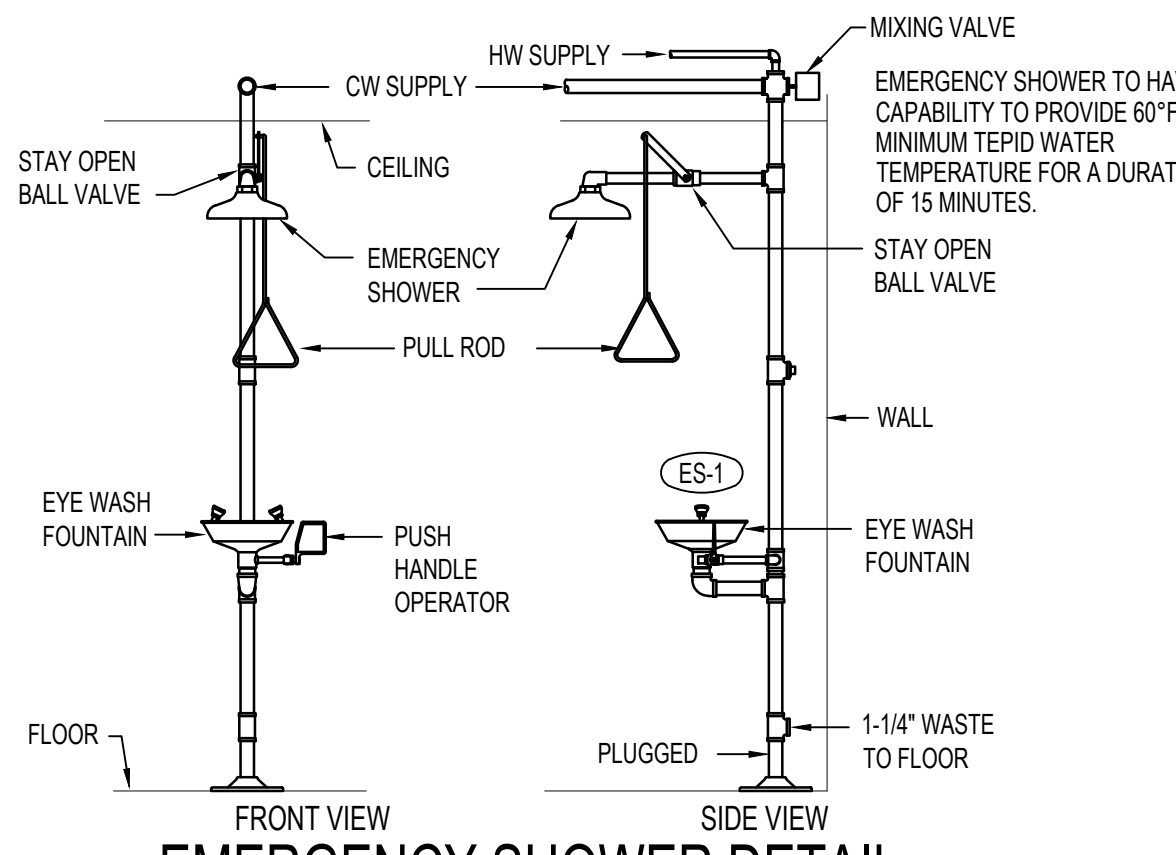
**COMPRESSED AIR OUTLET DETAIL**  
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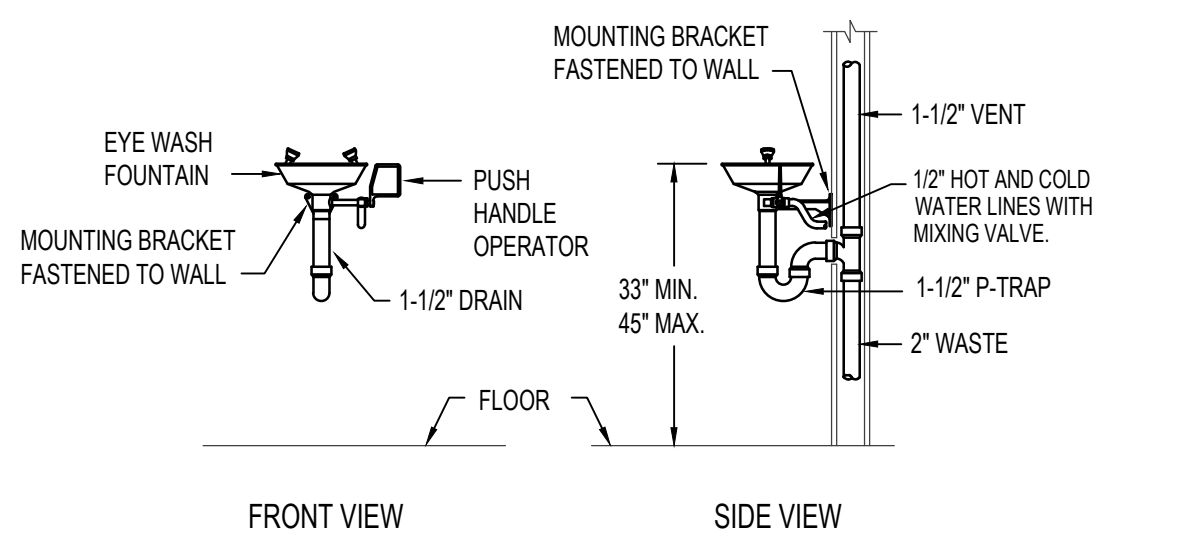
**ROOF TOP GAS PRESSURE REGULATOR DETAIL**  
NO SCALE



**INTERIOR HOSE BIBB DETAIL**  
NO SCALE



**EMERGENCY SHOWER DETAIL**  
NO SCALE



**EMERGENCY EYEWASH DETAIL**  
NO SCALE

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ESJ JOB NUMBER: 24018

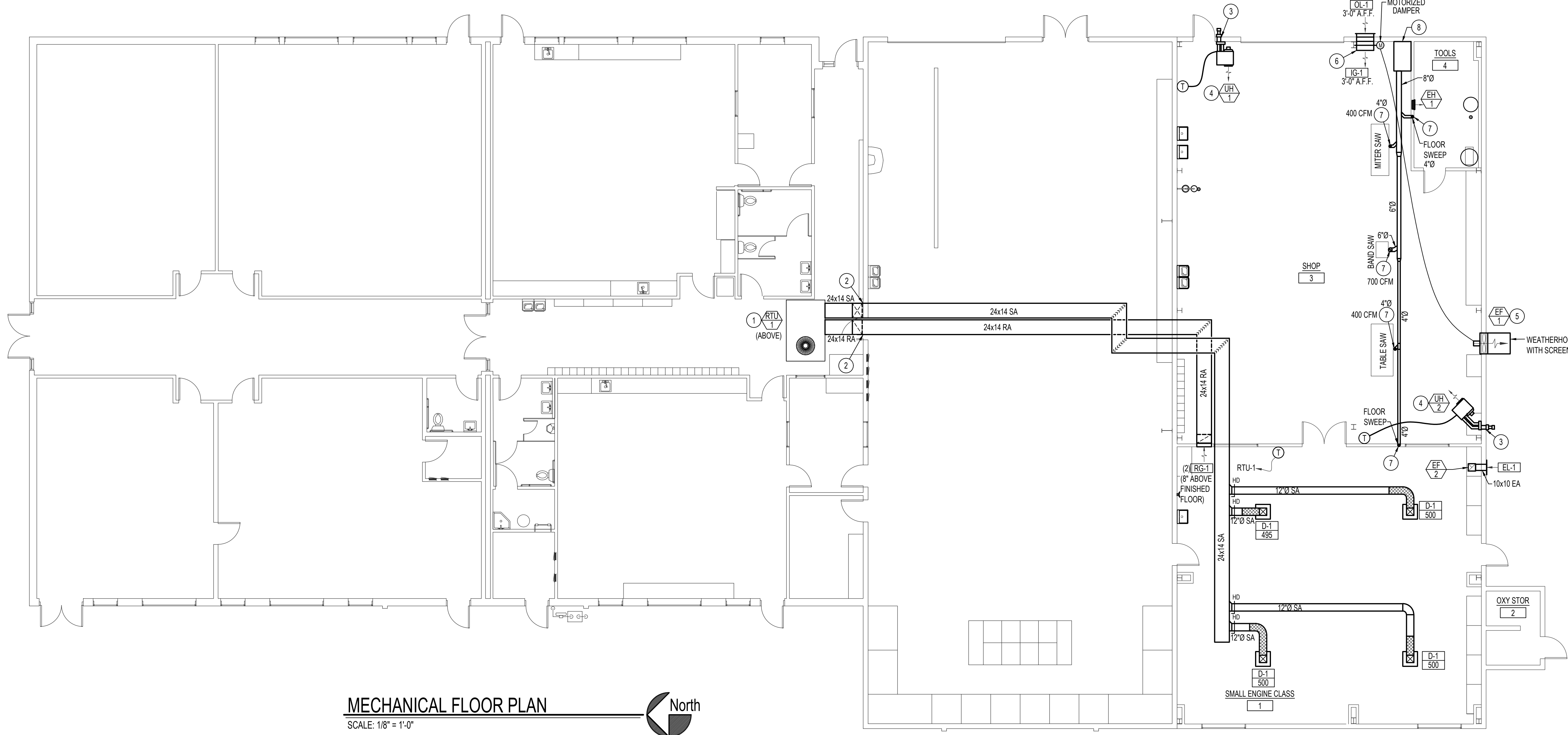
AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
885 CENTER ST. W. KIMBERLY, ID 83341

**Laughlin Ricks Architecture**  
architecture/planning  
134 3RD AVE. E. \* Twin Falls, Idaho 83301  
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DATE: 9/23/2024  
Drawn: [Signature] Checked: [Signature]

**P2.1**

09/23/24



**MECHANICAL FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"  
 North

**PLAN NOTES:**

1. INSTALL ROOFTOP UNIT ON EXISTING ROOF WITH 18" HIGH ROOF CURB. FLASH AND SEAL INTO EXISTING ROOF TO MAINTAIN EXISTING ROOF WARRANTY.
2. INSTALL DUCTWORK THRU EXTERIOR WINDOW. FLASH AND SEAL WALL PENETRATION WEATHERTIGHT. ALL DUCTWORK ON EXTERIOR OF BUILDING TO BE INSULATED AS PER DETAIL ON SHEET M2.1.
3. RUN (2) 4"Ø FLUES FROM GAS FIRED UNIT HEATER TO HORIZONTAL VENT TERMINATION ASSEMBLY THRU WALL. SEE DETAIL ON SHEET M2.1.
4. MOUNT UNIT HEATER AT 12FT ABOVE FINISHED FLOOR. AND AS PER MANUFACTURER RECOMMENDED INSTALL. SEE DETAIL ON SHEET M2.1.
5. MOUNT TOP OF SIDEWALL EXHAUST FAN AT 11'-0" ABOVE FINISHED FLOOR. SEE DETAIL ON SHEET M2.1.
6. INSTALL OUTSIDE AIR LOUVER IN EXTERIOR WALL. PROVIDE WALL SLEEVE, MOTORIZED DAMPER AND INTERIOR GRILLE. SEE DETAIL ON SHEET M2.1.
7. DROP DUCT DOWN AND CONNECT TO EQUIPMENT. REFER TO DETAILS ON SHEET M2.1 FOR TYPICAL DUCT CONNECTION. PROVIDE BLAST GATE IN DUCT AT EACH DROP LOCATION. CONTRACTOR TO FIELD COORDINATE DUCT DROPS WITH ACTUAL EQUIPMENT LOCATIONS.
8. OWNER PROVIDED SAW DUST COLLECTOR. CONTRACTOR TO INSTALL AS SPECIFIED WITH HOPPER BOTTOM AND COLLECTION BARRELS. PROVIDE FLEXIBLE DUCT. REFER TO DETAIL ON SHEET M2.1 FOR TYPICAL INSTALLATION AND DUCT CONNECTIONS. INSTALLATION SHALL BE PER INTERNATIONAL FIRE CODE AND NFPA 70.

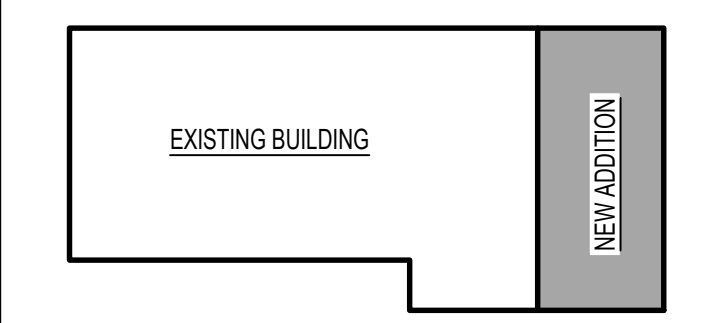
**MECH. LEGEND**

SYMBOL	DESCRIPTION
(T)	ELECTRONIC THERMOSTAT
(FC)	EQUIPMENT SYMBOL
HD	HAND DAMPER
(RBD)	ROUND BRANCH DUCT WITH HAND DAMPER
(TV)	TURNING VANES
(DT)	DUCT TRANSITION
(IFD)	INSULATED FLEXIBLE DUCT
(RA)	RETURN AIR OR EXHAUST GRILLE
(CD)	CEILING DIFFUSER

**GENERAL NOTES:**

- A. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C. IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D. CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E. DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F. ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.

**KEY PLAN**



**Professional Engineer**  
 David L. Hansen  
 State of Idaho  
 08/23/24

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 ESA JOB NUMBER: 24018

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**M1.1**

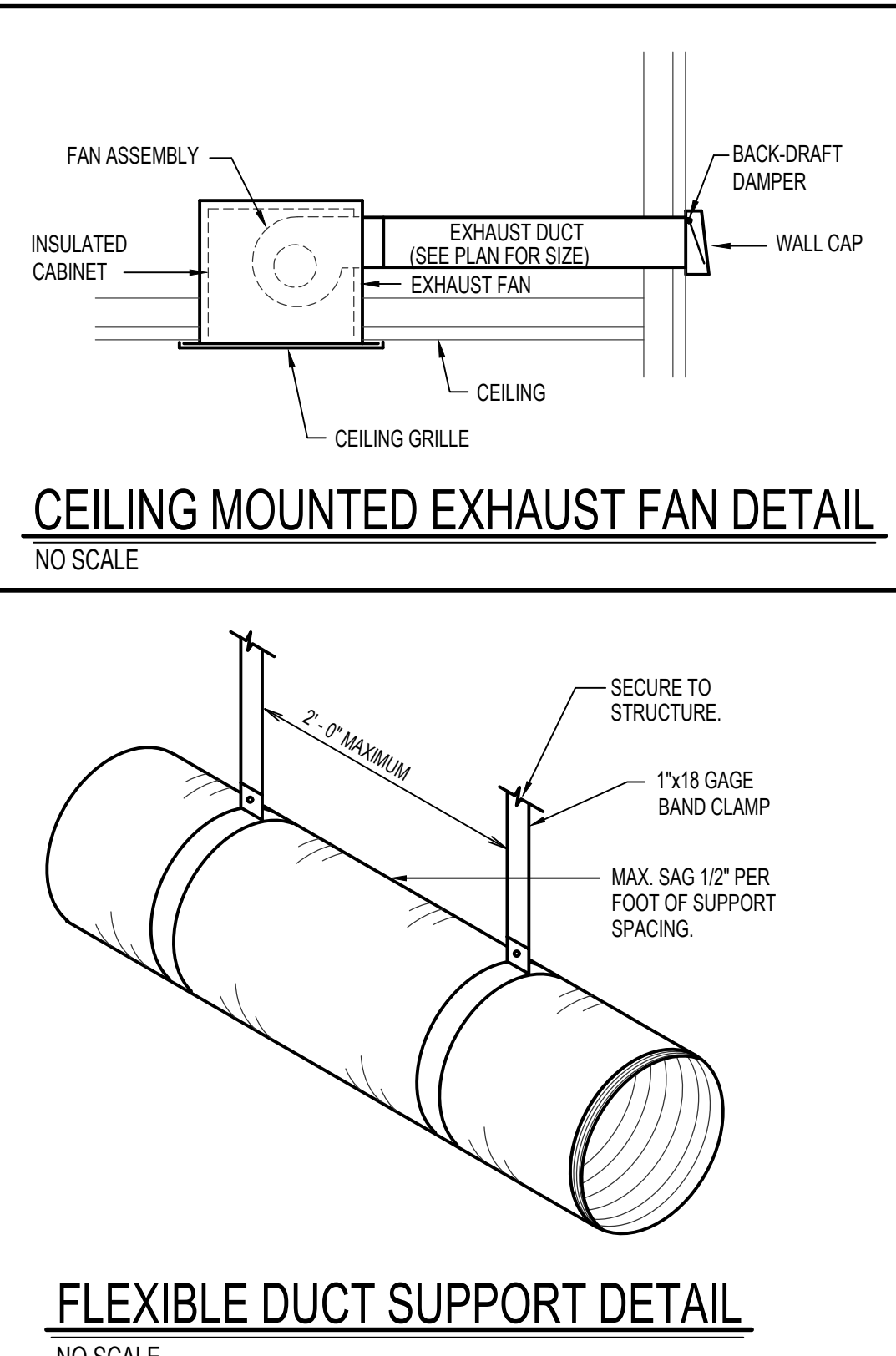
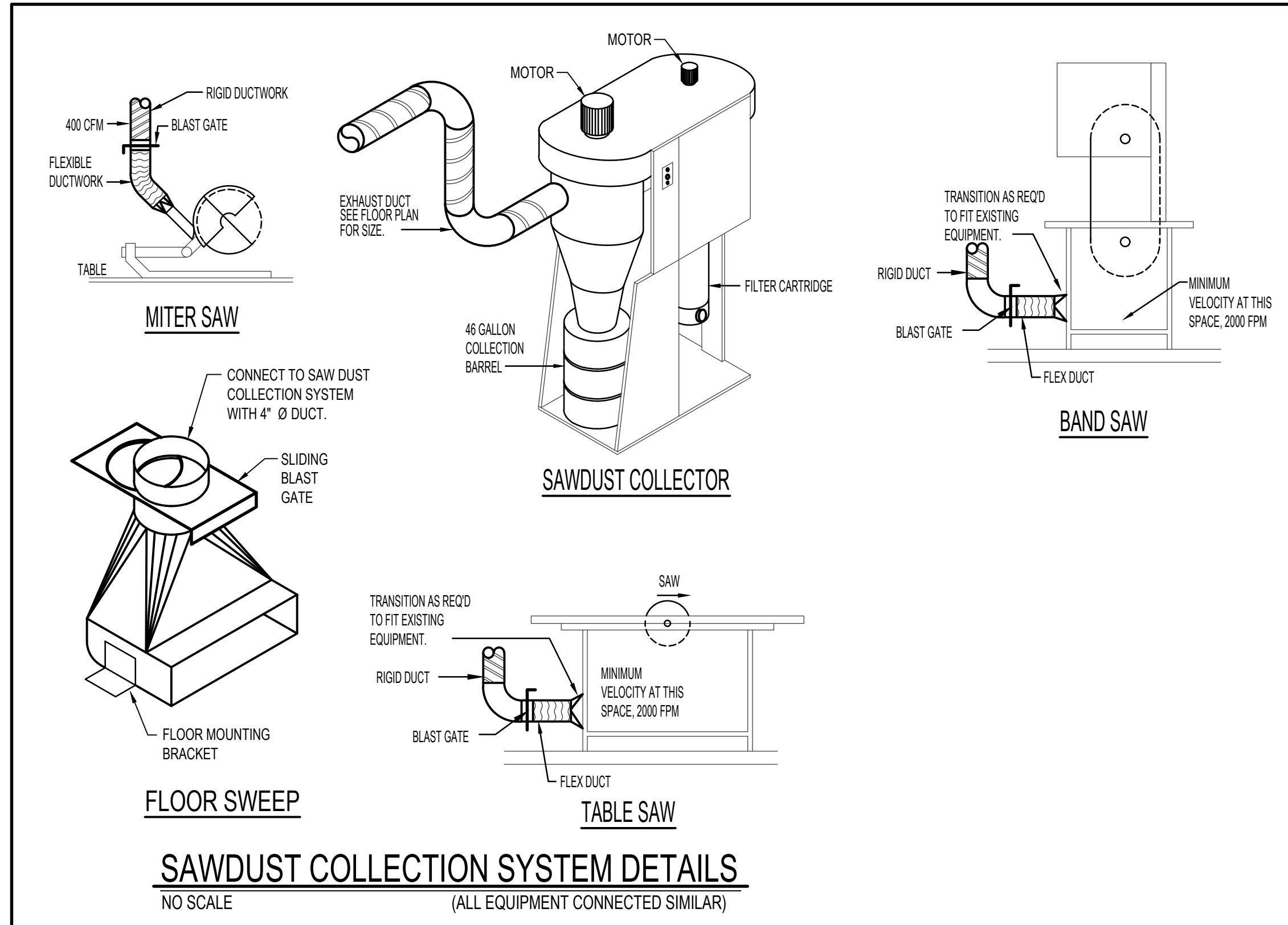
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AN ADDITION FOR:  
 KIMBERLY SCHOOL DISTRICT  
 885 CENTER ST. W. KIMBERLY, ID 83341  
 MECHANICAL FLOOR PLAN

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**M1.1**



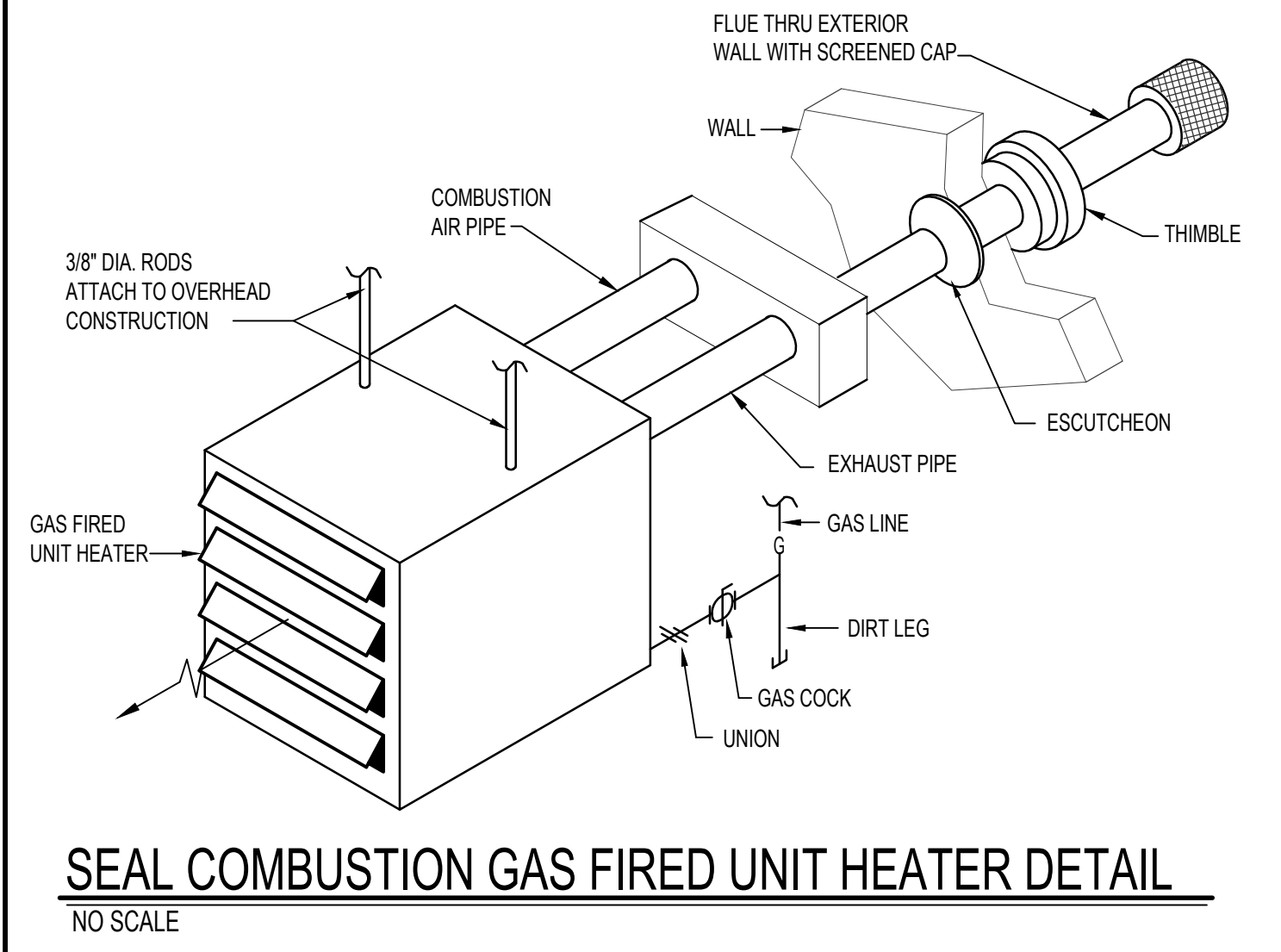
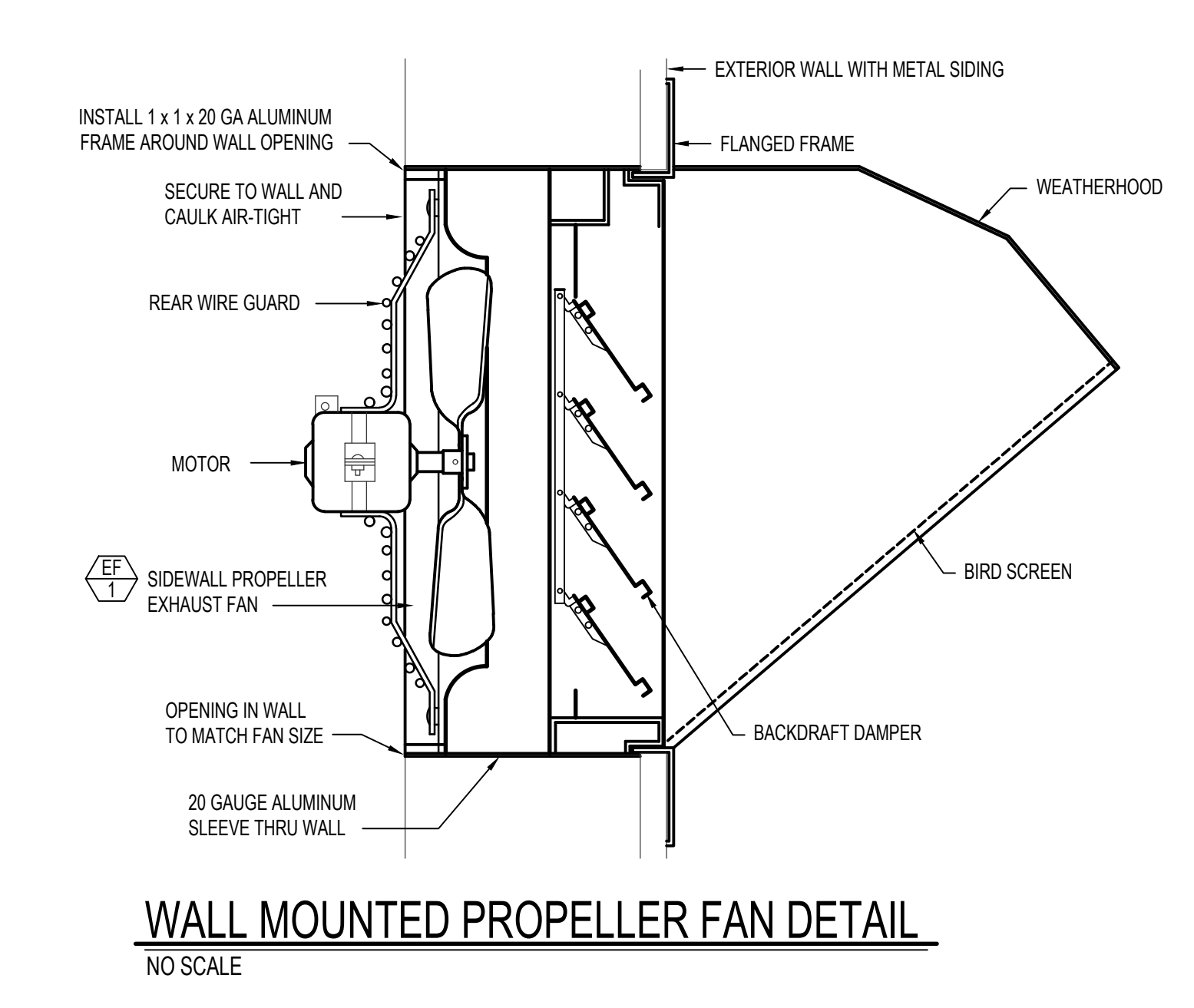
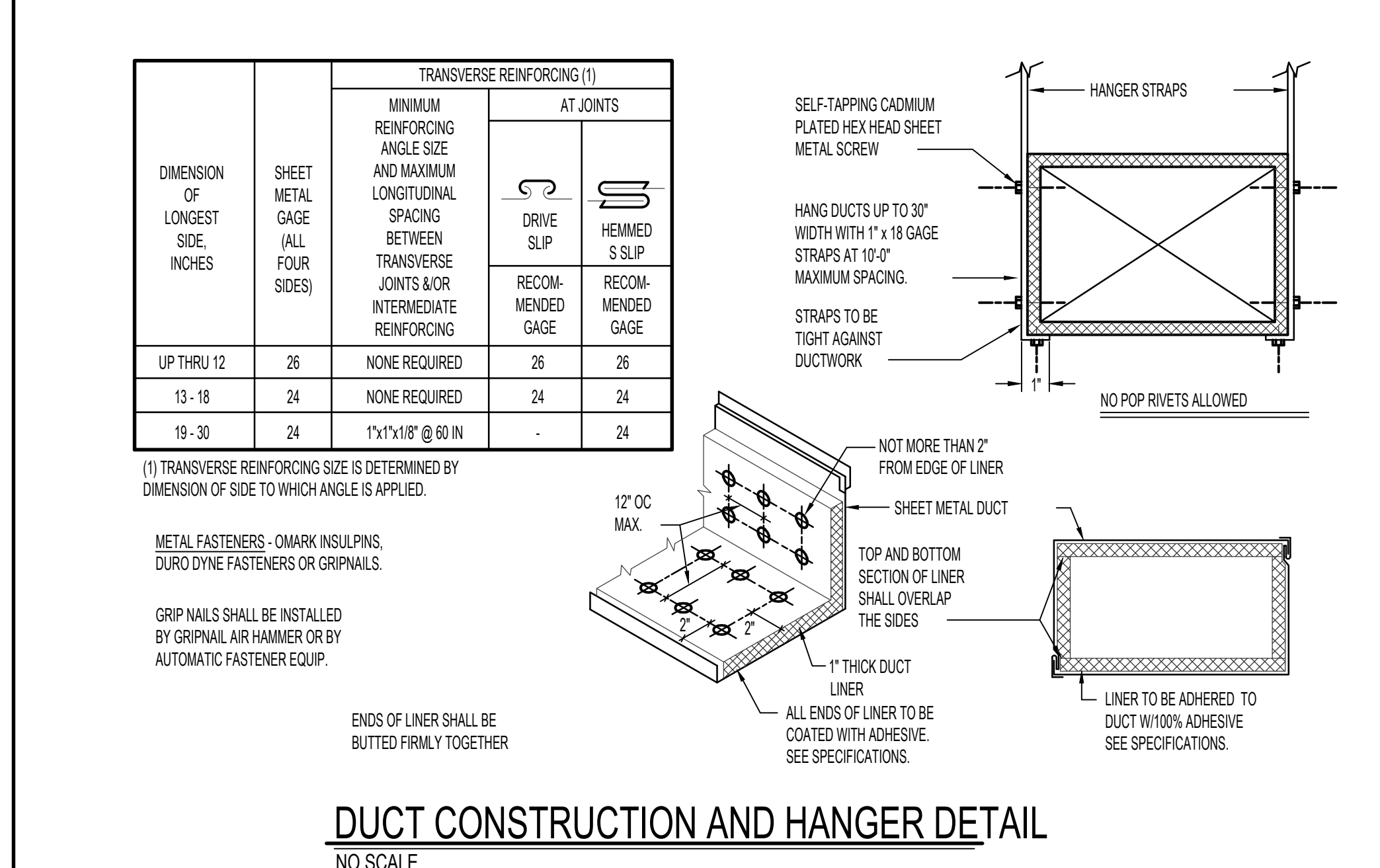
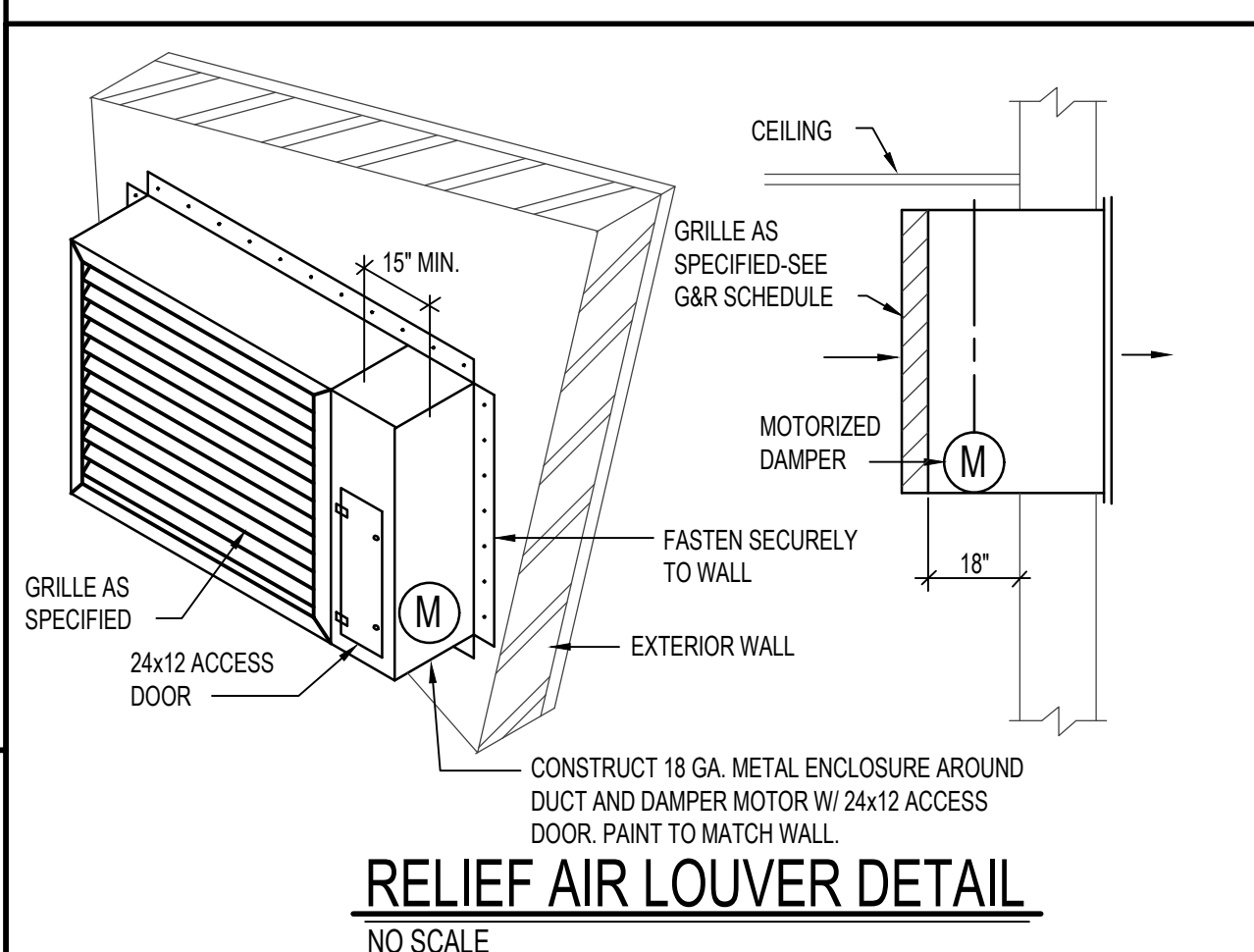
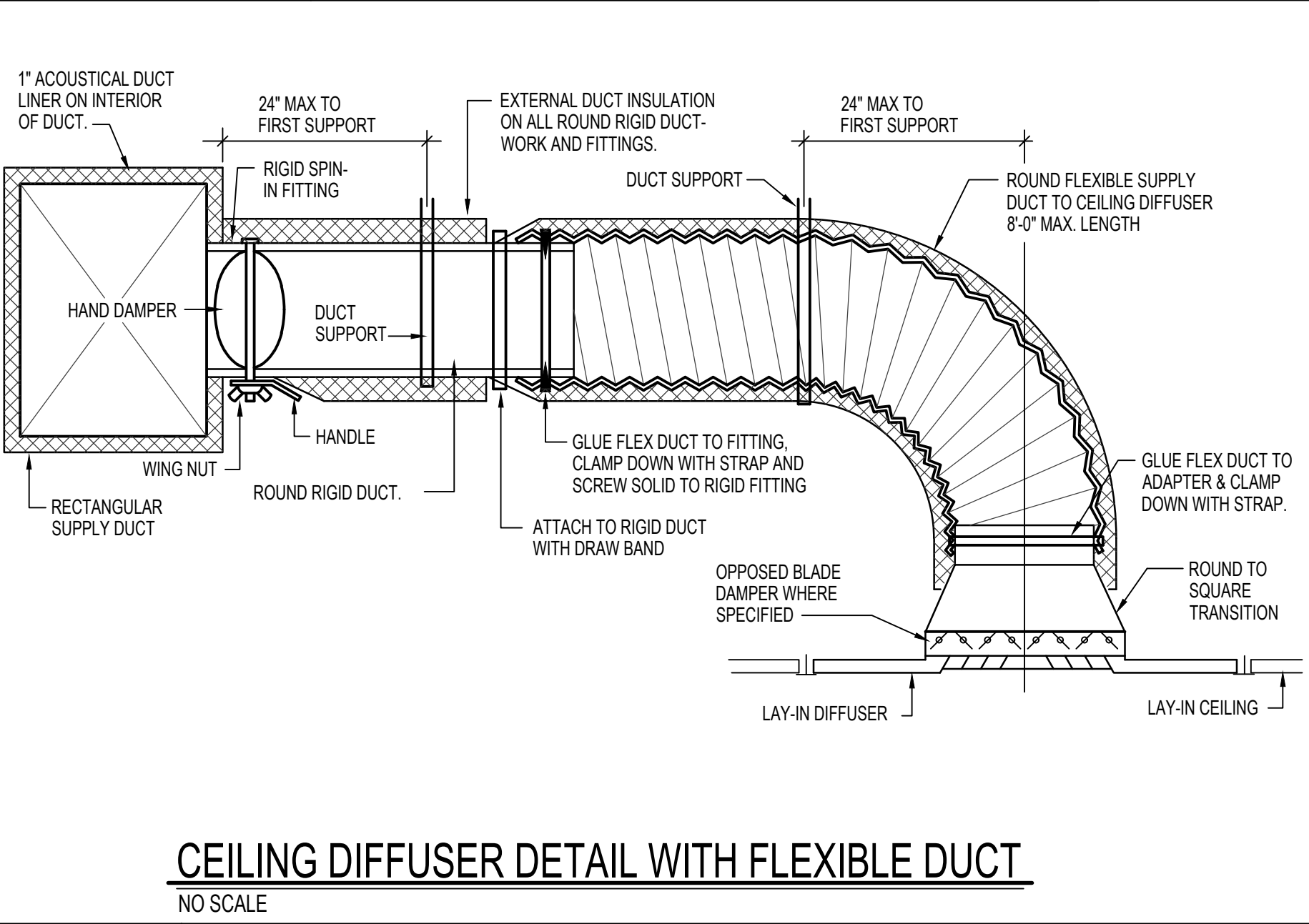
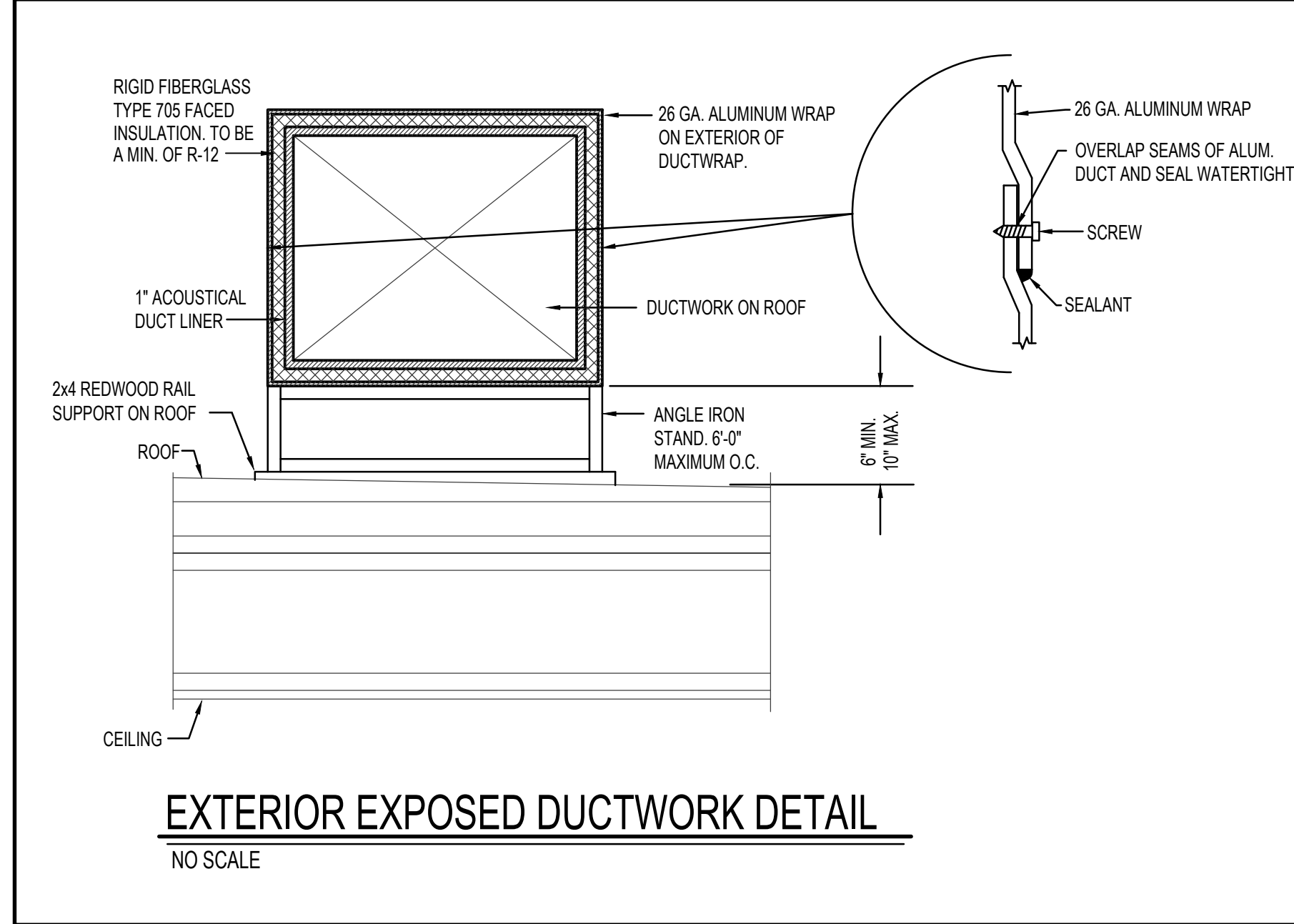
ROOF TOP HEATING & AIR CONDITIONING UNIT SCHEDULE																		
SYM.	CFM	OUTSIDE AIR REQUIRED	SP <sub>e</sub>	BLOWER H.P.	CHAR	MCA	MOCP	WEIGHT	GAS CONN	HEATING			COOLING			REMARKS		
										BTU IN	BTU OUT	@ ELEV.	EAT	LAT	MBH		EAT	WB
RT-1	1,995	350	0.5"	1.0	208/60/3	33.0	45.0	913#	3/4"	150,000	120,000	96,000	65°F	104°F	60.0	80°F	62°F	LENNOX LGH60H48 WITH FACTORY ROOF CURB AND ECONOMIZER

GRILLE AND REGISTER SCHEDULE										
SYM.	TYPE	SIZE	CFM RANGE	THROW PATTERN	CONSTR.	FINISH	BALANCING DAMPER	MAX NC RATING	BRANCH DUCT	REMARKS
D-1	CEILING	15x15	450-500	4-WAY	STEEL	BY ARCH	NO	20	12"Ø	PRICE MODEL SMD IN 24x24 LAY-IN MODULE
RG-1	SIDE WALL	20x14	1000	N/A	STEEL	WHITE	NO	25	24x14	PRICE MODEL 535
EL-1	WALL EXHAUST LOUVER	16x16	400	N/A	ALUMINUM	MATCH BLDG.	NO	25	16x16	AMERICAN WARMING LE-31 WITH INSECT SCREEN.
IG-1	SIDEWALL GRILLE	28x24	1600	N/A	STEEL	WHITE	NO	25	28x24	PRICE MODEL 535
OL-1	WALL INTAKE LOUVER	28x24	1600	N/A	ALUMINUM	MATCH BLDG.	NO	25	28x24	AMERICAN WARMING LE-31 WITH INSECT SCREEN.

UNIT HEATER SCHEDULE (GAS)														
SYM.	TYPE	CFM	FLA	CHAR.	INATURAL GAS			EAT	LAT	SUP.	FUEL TYPE	FLUE	WEIGHT	REMARKS
					INPUT	OUTPUT	@ ELEV.							
UH-1	FAN FORCED NAT. GAS	961	2.4	120/60/1	75 MBH	62.3 MBH	52.5 MBH	60°F	100°F	3/4"	NAT	(2) 4"Ø	95 LBS	REZOR MODEL UD4S-75 WITH WALL MOUNTED THERMOSTAT AND CC14 COMPACT CONCENTRIC WALL KIT.
UH-2	FAN FORCED NAT. GAS	961	2.4	120/60/1	75 MBH	62.3 MBH	52.5 MBH	60°F	100°F	3/4"	NAT	(2) 4"Ø	95 LBS	REZOR MODEL UD4S-75 WITH WALL MOUNTED THERMOSTAT AND CC14 COMPACT CONCENTRIC WALL KIT.

EXHAUST FAN SCHEDULE										
SYM.	TYPE	C.F.M.	S.P.E.	WATTS	WEIGHT	CHAR.	R.P.M.	CONTROL	REMARKS	
EF-1	WALL MOUNTED PROPELLER FAN	1600	0.25	3/4 HP	N/A	120/60/1	860	WALL SWITCH	TWIN CITY MODEL WPD-E-14-B WITH MOTOR GUARD, WALL SLEEVE, AND WEATHER HOOD WITH BIRDSCREEN.	
EF-2	CEILING MOUNTED	400	0.25	1/46	N/A	120/60/1	735	WALL SWITCH	TWIN CITY MODEL T400	

ELECTRIC HEATER SCHEDULE						
SYM.	TYPE	BTU	KW	CHAR.	CONTROL	REMARKS
EH-1	WALL MOUNTED	5,120	1.5	208/60/1	INTEGRAL T-STAT	QMARK MODEL CWH1151DSAF WITH RECESSED MOUNT FRAME



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ESA JOB NUMBER: 24018

PROFESSIONAL ENGINEER REGISTERED  
DAVID L. HANSEN  
STATE OF IDAHO

DATE: 9/23/2024  
Drawn: [Signature] Checked: [Signature]

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
885 CENTER ST. W. KIMBERLY, ID 83341

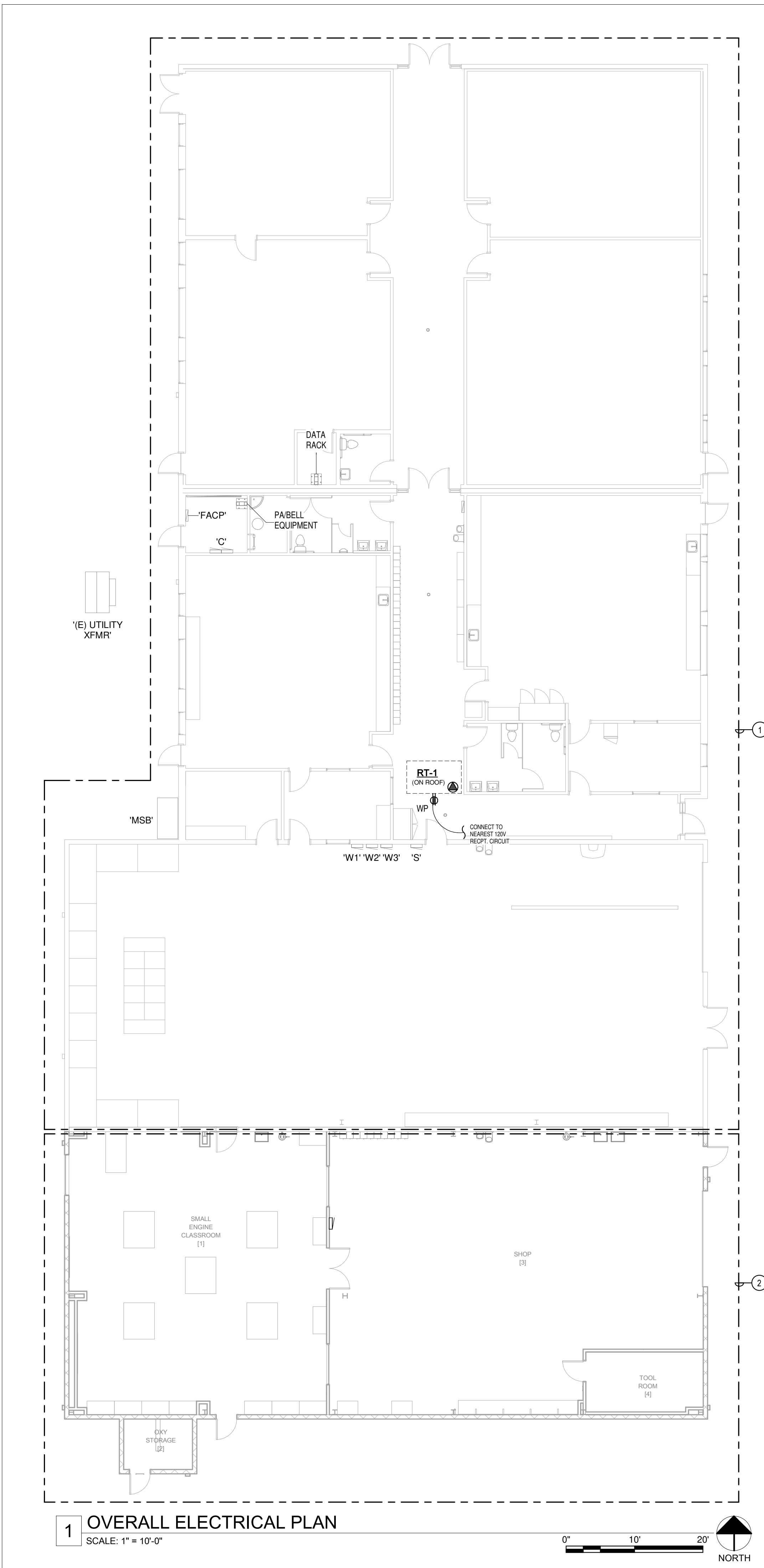
**MECHANICAL DETAILS & SCHEDULES**

**Laughlin Ricks Architecture**  
architecture/planning  
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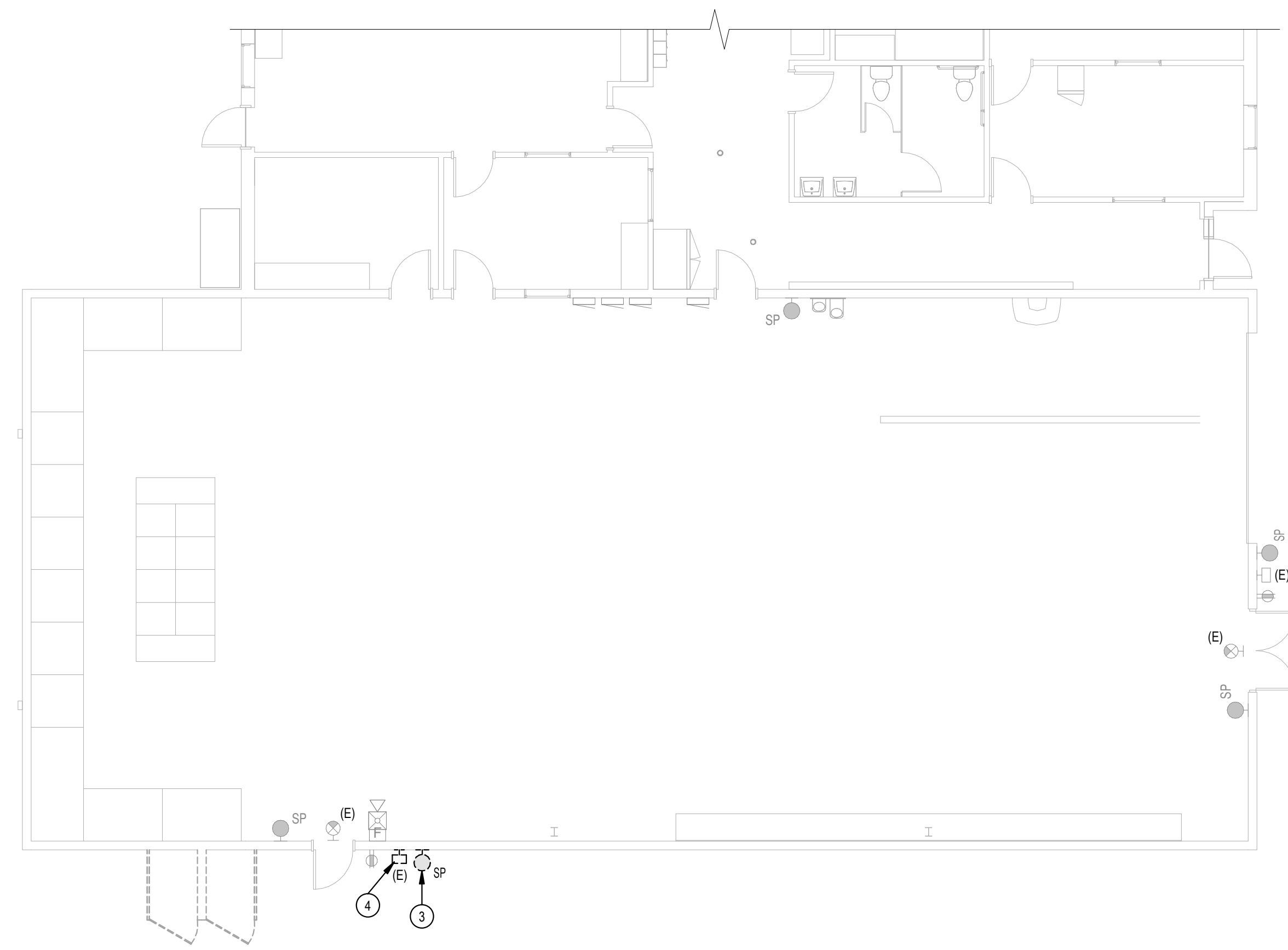
**M2.1**







**1 OVERALL ELECTRICAL PLAN**  
SCALE: 1" = 10'-0"



**2 EXISTING ELECTRICAL PLAN**  
SCALE: 1/8" = 1'-0"

**MECH. - ROOFTOP UNIT SCHEDULE**

EQUIP. ID	VOLTS / PH.	MCA	MOCP	CIRCUIT	FEEDER	DISCONNECT	NOTES
RT-1	208 V / 3 PH.	33 A	45 A	W3 - 28,30,32	3/4"C, 3#6, #10G	60 A - NONFUSED/3R	3,5

**MECH. - EXHAUST FAN SCHEDULE**

EQUIP. ID	VOLTS / PH.	HP	WATTS	FLA	CIRCUIT	FEEDER	CONTROL	NOTES
EF-1	120 V / 1 PH.	3/4		14 A	S1 - 29	1/2"C, 1#12, #12N, #12G	WALL SWITCH	2
EF-2	120 V / 1 PH.	1/6		4 A	S1 - 31	1/2"C, 1#12, #12N, #12G	WALL SWITCH	2

**MECH. - UNIT HEATER SCHEDULE**

EQUIP. ID	VOLTS / PH.	WATTS	FLA	OCF	CIRCUIT	FEEDER	NOTES
UH-1	120 V / 1 PH.	288 W	2.4 A	15 A	S1 - 33	1/2"C, 1#12, #12N, #12G	
UH-2	120 V / 1 PH.	288 W	2.4 A	15 A	S1 - 33	1/2"C, 1#12, #12N, #12G	

**MECH. - ELECTRIC HEATER SCHEDULE**

EQUIP. ID	VOLTS / PH.	WATTS	FLA	OCF	CIRCUIT	FEEDER	NOTES
EH-1	208 V / 1 PH.	1500 W	7.2 A	15 A	S1 - 39,41	1/2"C, 2#12, #12G	

**MECH. - PLUMBING EQUIP. SCHEDULE**

EQUIP. ID	VOLTS / PH.	WATTS	FLA	CIRCUIT	FEEDER	DISCONNECT	NOTES
RP-1	120 V / 1 PH.	50 W	0.4 A	S1 - 23	1/2"C, 1#12, #12N, #12G	CORD/PLUG	
WH-1	208 V / 1 PH.	4500 W	21.6 A	S1 - 43,45	1/2"C, 2#10, #10G	30A - NONFUSED/1	3

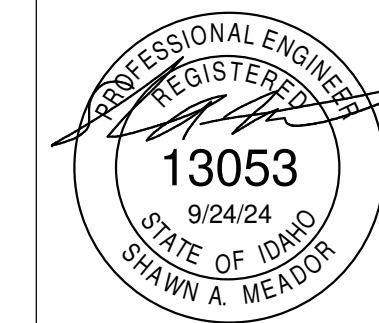
- MECHANICAL SCHEDULE NOTES:**
- CIRCUIT AND CONTROL EXHAUST FAN WITH ROOM LIGHTING CIRCUIT.
  - E.C. SHALL PROVIDE LOCAL DISCONNECT RATED, THERMAL-OVERLOAD SWITCH FOR EQUIPMENT; SWITCH RATING SHALL NOT BE LESS THEN CIRCUIT BREAKER SUPPLYING EQUIPMENT.
  - E.C. SHALL PROVIDE LOCAL DISCONNECT SWITCH FOR EQUIPMENT; SIZE AND TYPE AS INDICATED IN SCHEDULE. IF FUSED DISCONNECT IS SPECIFIED FOR EQUIPMENT, FUSE PER EQUIPMENT NAMEPLATE RATING.
  - EQUIPMENT IS FACTORY SUPPLIED WITH DISCONNECT AND CONVENIENCE OUTLET; E.C. SHALL PROVIDE ALL NECESSARY CONNECTIONS.
  - PROVIDE AND INSTALL NEW CIRCUIT BREAKER (MOCP) IN EXISTING EATON PRL1a PANELBOARD AS INDICATED FOR NEW HVAC EQUIPMENT.

- GENERAL NOTES:**
- ALL EXISTING ELECTRICAL MAY NOT APPEAR ON THESE PLANS, HOWEVER THE ABOVE INFORMATION APPLIES.
  - PROVIDE AND INSTALL BLANK COVERS ON ALL UNUSED SWITCH/OUTLET/J-BOXES WHERE REQUIRED.
  - ALL WALL DEVICES THAT ARE EXISTING TO REMAIN, SHALL BE ADAPTED TO NEW WALL COVERINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT WALL LOCATIONS, THICKNESS, ETC.
  - PRIOR TO THE START OF ANY DEMOLITION WORK, DISCONNECTING ANY POWER AND OR TELE/DATA SYSTEMS, THE CONTRACTOR SHALL COORDINATE DOWN-TIME WITH THE OWNER.
  - REFER TO ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION, DETAILS, ETC.
  - REMOVE OR RELOCATE ELECTRICAL AS NECESSARY FOR NEW WORK.
  - WHERE EXISTING CIRCUITS ARE TO BE RE-USED, EXTEND AS NECESSARY. MAINTAIN ELECTRICAL CONTINUITY TO DOWNSTREAM EQUIPMENT TO REMAIN.
  - EXISTING SHOWN TO REMAIN, MAY NEED TO BE REMOVED AND RE-INSTALLED ONLY AS NECESSARY FOR EXTENDING OR MODIFICATION OF EXISTING CIRCUITS OR WIRING.
  - REFER TO MECHANICAL PLANS FOR EXTENT OF MECHANICAL EQUIPMENT TO BE REMOVED OR RELOCATED.
  - REMOVE ALL UNUSED EQUIPMENT WIRING, CONDUIT AND BOXES IN ALL AREAS. ABANDON ONLY IN CONCEALED AREAS.
  - CONTRACTOR MY UTILIZE ANY EXISTING CONDUIT WHERE COMPATIBLE WITH NEW DESIGN, AND IF IN GOOD CONDITION AND COMPLIES WITH SPECIFICATIONS.
  - WHEN ANY MODIFICATIONS ARE MADE TO ANY EXISTING ELECTRICAL PANEL TO REMAIN, CONTRACTOR TO PROVIDE NEW TYPE WRITTEN INDEX TO REFLECT ALL NEW AND EXISTING LOADS.
  - REMOVE ALL EQUIPMENT, RACEWAYS, CABLES, ETC. NOT USED IN FINISHED AREAS.

- KEY NOTES:**
- EXISTING BUILDING TO REMAIN ACTIVE, E.C. SHALL LOCATE AND PROTECT ALL EXISTING ELECTRICAL EQUIPMENT, LIGHTING, DEVICE, ETC WITHIN THIS AREA.
  - NEW ADDITION, REFER TO NEW ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
  - EXISTING SPEAKER TO BE DISCONNECTED AND REMOVED TO ACCOMMODATE NEW ADDITION, BLANK OFF EXISTING BOX AS REQUIRED. MAINTAIN/RE-ESTABLISH CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
  - EXISTING EXTERIOR LIGHT FIXTURE TO BE DISCONNECTED AND REMOVED TO ACCOMMODATE NEW ADDITION, MAINTAIN/RE-ESTABLISH CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.

AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
 Enter address here  
**OVERALL & EXISTINGS ELECTRICAL PLANS**

**Laughlin Ricks Architecture**  
 architecture/planning  
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 PHONE: (208) 756-8050



PROJECT #: 2442  
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DATE: 9/24/24  
 SAM TEP  
 Drawn Checked  
 #23067  
 PROJECT #  
**E0.1**

**LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	MOUNTING	VOLTS	WATTS	LUMENS	COLOR TEMP.(K)	MFR.	CATALOG #	APPROVED MFR'S	NOTES
F1	4FT LED STRIP, FIELD SELECTABLE LUMENS/CCT	SURFACE	120-277	30 W	4000	4000	LITHONIA	CSS-L48-AL03-MVOLT-SWW3-80CRI		
F2S	2X4 LED FLAT PANEL, FIELD SELECTABLE LUMENS/CCT, INTEGRAL WIRELESS OCC. SENSOR	RECESSED	120-277	40 W	4000	4000	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT-NLTAIR2		1
F2SE	2X4 LED FLAT PANEL, FIELD SELECTABLE LUMENS/CCT, INTEGRAL WIRELESS OCC. SENSOR, EM. BATTERY PACK	RECESSED	120-277	45 W	4000	4000	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT-E10WLC-P-NLTAIREM2		
F3	HIGHBAY LED, FIELD SELECTABLE LUMENS/CCT, INTEGRAL OCC. SENSOR	SUSPENDED 18FT AFF	120-277	130 W	15000	4000	LITHONIA	CPRB-AL013-MVOLT-SWW9-80CRI-NLTAIR2 RMSOD45-DWH		
FE1	EXTERIOR LED WALL PACK	WALL	120-277	50 W	5000	4000	LITHONIA	DSXW1 LED-20C-700-40-T3M-MVOLT-BBW-SCBA		
FX1	EXIT SIGN W/ 90MIN BATTERY, THERMOPLASTIC, GREEN LED, SINGLE/DOUBLE FACE	WALL OR CEILING	120-277	2 W	N/A	N/A	LITHONIA	LQM-S-W-3-G-20/277-EL N	COOPER	
FX2	EXIT SIGN/EM LIGHT COMBO W/ 90MIN BATTERY, THERMOPLASTIC, GREEN LED, SINGLE/DOUBLE FACE	WALL OR CEILING	120-277	2 W	N/A	N/A	LITHONIA	LHQM LED-G-SD	COOPER	
FX3	WALL MOUNTED LED EMERGENCY LIGHT	WALL AT 7'-6" AFF	120-277	3 W	N/A	N/A	LITHONIA	ELM6L-UVOLT-LTP-SDRT	COOPER	
FX4	WALL MOUNTED EXTERIOR EMERGENCY EGRESS LIGHT, W/HEATER	WALL ABOVE DOOR	120-277	35 W	N/A	N/A	LITHONIA	AFF-OEL-SCBA-UVOLT-LTP-SDRT-WT-CW	DUAL-LITE	

**LIGHT FIXTURE SCHEDULE NOTES:**

- REFER TO DRAWINGS FOR FIXTURES REQUIRED TO HAVE 0-10V OR STEP-LEVEL DIMMING CONTROL. PROVIDE FIXTURE(S) WITH LED DRIVER(S) AND REQUIRED DIMMING/SWITCH-LEG CONDUCTORS BETWEEN SWITCH(S) AND FIXTURE(S) TO PROVIDE CONTROL AS INDICATED ON DRAWINGS.
- FIXTURE TO BE CONTINUOUS ROW MOUNTED. LENGTH AS INDICATED ON DRAWINGS. PROVIDE REQUIRED ACCESSORIES/CONNECTORS FOR CONTINUOUS ROW MOUNTING.
- SCBA - STANDARD COLOR BY ARCHITECT/OWNER (COORDINATE COLOR WITH ARCHITECT/OWNER PRIOR TO ORDERING.)
- FIELD ADJUST PENDANT LENGTH AS REQUIRED. VERIFY LENGTH WITH COUNTER AS DIRECTED BY ARCHITECT.

**GENERAL LIGHTING SCHEDULE NOTES:**

- LIGHTING FIXTURES INDICATED IN SCHEDULE ARE BASIS OF DESIGN. ALTERNATE MANUFACTURERS SHALL BE PRE-APPROVED BY ADDENDUM. ALTERNATE MANUFACTURERS SHALL SUBMIT PER-APPROVALS TO ENGINEER A MINIMUM OF 10 DAYS PRIOR TO PROJECT BID DATE.

**LIGHTING CONTROL/OCCUPANCY SENSOR SCHEDULE**

TYPE	DESCRIPTION	MFR.	CATALOG #	APPROVED EQUALS	NOTES
OCC. SENSORS - WALL MOUNTED					
WP1	PASSIVE-INFRARED, 1-POLE, NEUTRAL REQUIRED	SENSOR SWITCH	WSX-**	COOPER, WATTSTOPPER, HUBBELL	2
WIRELESS CONTROLS					
W1D	nLIGHT AIR, LINE-VOLTAGE WIRELESS WALLSTATION, ON/OFF W/ RAISE/LOWER	ACUITY BRANDS	iPODLA-DX-MVOLT-**		2
W2	nLIGHT AIR, LINE-VOLTAGE WIRELESS WALLSTATION, ON/OFF ONLY	ACUITY BRANDS	iPODLA-MVOLT-**		2

**CONTROL & OCCUPANCY SENSOR SCHEDULE NOTES:**

- PROVIDE ADDITIONAL POWER PACKS; SENSOR SWITCH PP20 AS NEED FOR QTY OF OCCUPANCY SENSORS/SWITCHES.
- DEVICE COLOR SHALL MATCH WIRING DEVICES; REFER TO SPECIFICATIONS.
- REFER TO MANUFACTURER DOCUMENTATION FOR QTY AND SIZE OF CONDUCTORS BETWEEN LOW VOLTAGE SWITCH, SENSOR(S) AND POWER/RELAY PACKS.
- PROVIDE SECONDARY RELAY PACK; SENSOR SWITCH SP20 AS NEEDED TO PROVIDE DUAL-LEVEL SWITCHING OF FIXTURES.
- PROVIDE 0-10V DIMMING CONDUCTORS (GRAY & VIOLET) BETWEEN SWITCH AND LIGHT FIXTURES FOR DIMMING CONTROL.
- PROGRAM ON/OFF TIMES OF RELAY'S AS DIRECTED BY OWNER. PROVIDE COMMISSIONING AS INDICATED IN GENERAL NOTES BELOW.
- CUSTOM WALL STATION ENGRAVINGS IS REQUIRED FOR WALL STATION(S) AND SHALL BE SPECIFIED/COORDINATED WITH OWNER AFTER PROGRAMING OF SYSTEM.

**GENERAL LIGHTING CONTROL NOTES:**

- E.C. SHALL BE RESPONSIBLE FOR THE PROGRAMMING/COMMISSIONING OF THE LIGHTING CONTROL SYSTEMS TO FUNCTION AS INDICATED ON THE DRAWINGS AND SHALL INCLUDE ALL REQUIRED COST IN THE BASE BID. FOR AREAS WITH DAYLIGHTING CONTROL, THE DAYLIGHTING SET-POINTS SHALL BE COORDINATED WITH THE OWNER FOR EACH AREA PRIOR TO FINAL PROGRAMMING OF THE DAYLIGHTING SENSOR(S). ALL PROGRAMMING/COMMISSIONING SHALL BE DONE BY A FACTORY CERTIFIED OR TRAINED PERSON.
- LIGHTING IS SPACES WITH WIRELESS CONTROLS SHALL BE FIELD TUNED TO FOOTCANDLE LEVELS THAT ARE SATISFACTORY TO THE OWNER DURING PROGRAMMING AND COMMISSIONING OF THE WIRELESS CONTROL SYSTEM.

**GENERAL NOTES:**

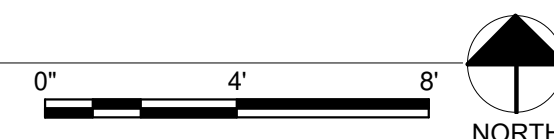
- A. REFER TO SYMBOL SCHEDULE SHEET FOR PROJECT GENERAL NOTES AND GENERAL NOTES ASSOCIATED WITH THE INSTALLATION OF EACH SYSTEM, INCLUDING BUT NOT LIMITED TO: LIGHTING, POWER, FIRE ALARM, SPECIAL SYSTEMS, ETC.

**KEY NOTES:**

1. CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT AND CONTROLS, FIELD VERIFY CIRCUIT LOCATION.

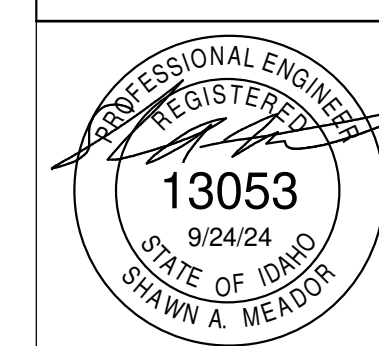


**1 LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"



AN ADDITION FOR:  
**KIMBERLY SCHOOL DISTRICT**  
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**LIGHTING PLAN**

**Laughlin Ricks Architecture**  
—  
architecture/planning  
134 3RD AVE. E. # Twin Falls, Idaho 83301  
PHONE: (208) 736-8050



PROJECT #: 2442  
**IPAYNE**  
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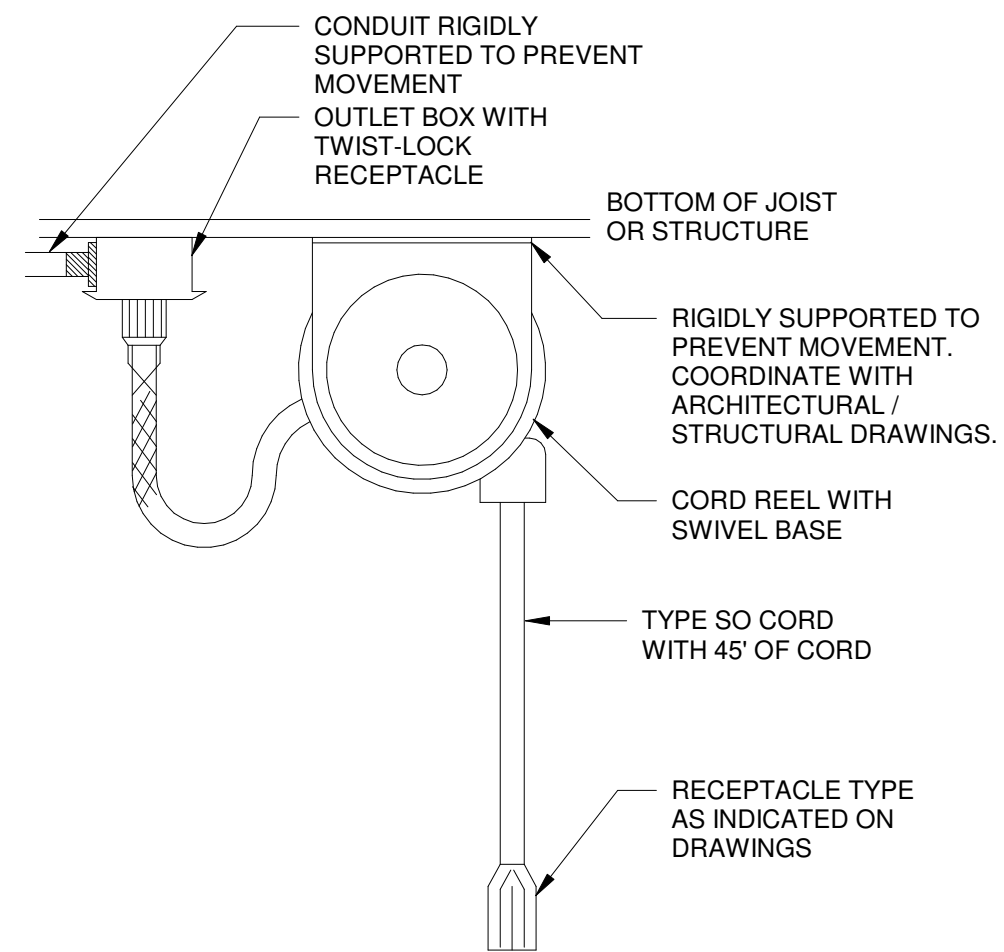
DATE: 9/24/24  
SAM Drawn  
TEP Checked  
#23067 PROJECT #  
**E1.0**

CORD-REEL SCHEDULE				
ID	DESCRIPTION	MFG.	PART #	NOTES
CR1	20A, 120V 45FT RETRACTABLE CORD-REEL W/ (2) 20A DUPLEX RECPT. & GFCI MODULE	HUBBELL-WIRING	HBL45123GF220M1	FIELD LOCATE PER OWNER DIRECTION
CR2	20A, 120V RETRACTABLE CORD-REEL W/ PLENUM RATED ENCLOSURE & (2) 20A DUPLEX RECPT. & GFCI MODULE	HUBBELL-WIRING	CORD-REEL: HBL45123GF220M1 ENCLOSURE: HBLUPRBOX	FIELD LOCATE PER OWNER DIRECTION

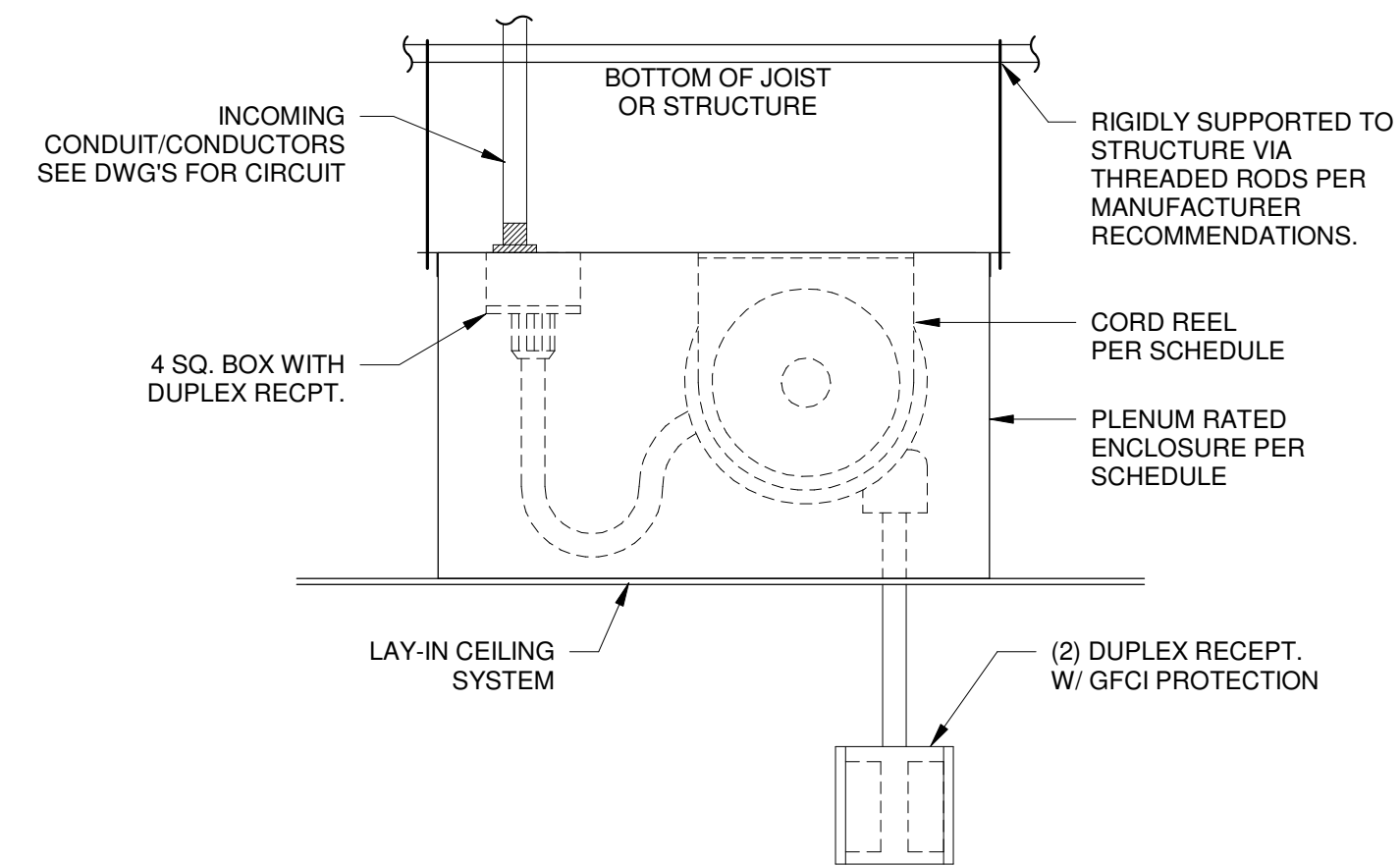
SHOP EQUIPMENT SCHEDULE								
ITEM #	EQUIPMENT DESCRIPTION	VOLTS / PH.	HP	AMPS	CIRCUIT	FEEDER	CONNECTION TYPE	NOTES
AC	AIR COMPRESSOR	240 V / 3PH.	10 HP	24 A	Q-9,11,13		DIRECT	1.3
BS	BAND SAW	240 V / 1PH.	3 HP	10 A	Q-6,8		NEMA 6-15R	1.2
DC	DUST COLLECTOR	240 V / 1PH.	3 HP	22 A	Q-1,3		DIRECT	1.3
MS	COMPOUND MITER SAW	120 V / 1PH.	-	12 A	S1-32		NEMA 5-20R	1.2
TS	TABLE SAW	240 V / 1PH.	5 HP	28 A	Q-2,4		DIRECT	1.2

**SHOP EQUIPMENT SCHEDULE NOTES:**

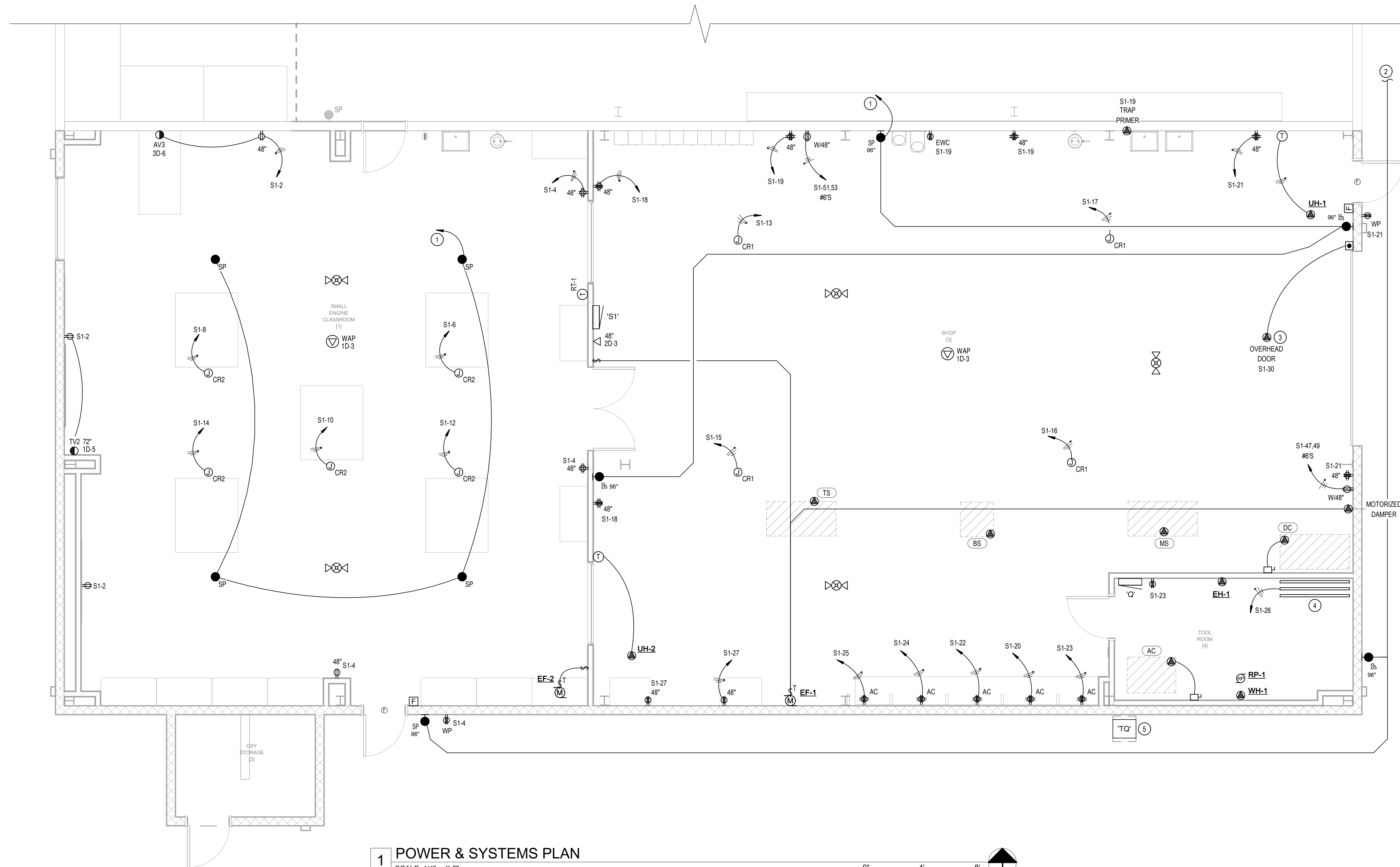
- FIELD VERIFY CONNECTION REQUIREMENTS AND LOCATION WITH OWNER/EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- SUPPLY EQUIPMENT VIA CORD DROP FROM CEILING STRUCTURE. UTILIZE CORD GRIPS AT EACH END.
- E.C. SHALL PROVIDE LOCAL DISCONNECT SWITCH FOR EQUIPMENT. SIZE AND TYPE AS INDICATED. IF FUSED DISCONNECT IS SPECIFIED FOR EQUIPMENT, FUSE PER EQUIPMENT NAMEPLATE RATING.



**A 'CR1' CORD REEL DETAIL**  
SCALE: NONE



**B 'CR2' CORD REEL DETAIL**  
SCALE: NONE



**1 POWER & SYSTEMS PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

A. REFER TO SYMBOL SCHEDULE SHEET FOR PROJECT GENERAL NOTES AND GENERAL NOTES ASSOCIATED WITH THE INSTALLATION OF EACH SYSTEM, INCLUDING BUT NOT LIMITED TO: LIGHTING, POWER, FIRE ALARM, SPECIAL SYSTEMS, ETC.

**PAGING/BELL/CLOCK SYSTEM:**

PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY TO EXPAND THE EXISTING BOGEN PAGING/BELL SYSTEM. THE SYSTEM EXPANSION SHALL BE CONNECTED DIRECTLY TO THE EXISTING HEAD-END EQUIPMENT. THE INSTALLATION SHALL BE AS RECOMMENDED BY THE MANUFACTURER. WHEN THE SYSTEM IS COMPLETE, A CERTIFIED REPRESENTATIVE OF THE SYSTEM SHALL TEST THE SYSTEM, MAKE ADJUSTMENTS AND PLACE THE SYSTEM IN OPERATING ORDER.

PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM AS REQUIRED BY THE SCHOOL DISTRICT. ALL SYSTEM COMPONENTS SHALL MATCH EXISTING IN APPEARANCE AND FUNCTIONALITY. PROVIDE ALL REQUIRED PROGRAMMING AND COMMISSIONING OF THE SYSTEM. COORDINATE PROGRAMMING FUNCTIONALITY WITH SCHOOL DISTRICT REPRESENTATIVE.

**KEY NOTES:**

- PROVIDE AND INSTALL SPEAKER CABLING TO EXISTING PA/BELL HEAD-END EQUIPMENT. INSTALL CABLING IN 1/2" CONDUIT WHERE ROUTED THROUGH INACCESSIBLE AREAS OR AREAS EXPOSED TO STRUCTURE.
- CONNECT TO EXISTING EXTERIOR SPEAKER ZONE, FIELD VERIFY CONNECTION LOCATION.
- CONNECTION TO OVERHEAD DOOR MOTOR, COORDINATE CONNECTION WITH EQUIPMENT PRIOR TO ROUGH-IN. PROVIDE CONDUIT AND CONDUCTORS TO PUSH-BUTTON STATION PER MANUFACTURER'S REQUIREMENTS.
- PROVIDE AND INSTALL (3) SFT ALUMINUM PLUG-TRAKS, EA W/ (10) SINGLE RECPT. FOR OWNER BATTERY CHARGING EQUIPMENT. MOUNT EACH PLUG-TRAK 6" ABOVE SHELVING, FIELD LOCATE WITH OWNER PRIOR TO ROUGH-IN AND COORDINATE WITH SHELVING SYSTEM. HUBBELL P/N: HBLALU24GB506. PROVIDE ALL COMPONENTS FOR A COMPLETE INSTALLATION.
- PROVIDE AND INSTALL 208V - 240/120V, 3-PHASE DRY-TYPE TRANSFORMER FOR SHOP EQUIPMENT PANEL 'Q'. MADDOX TRANSFORMERS OR EQUAL.

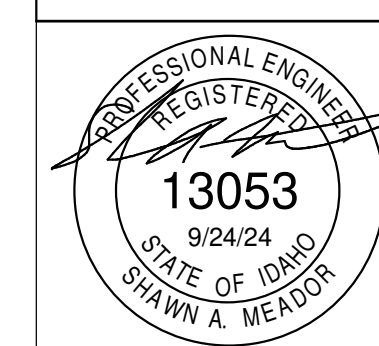
DATE

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AN ADDITION FOR:  
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POWER & SYSTEMS PLAN

**Laughlin Ricks Architecture**  
—architecture/planning—  
134 3RD AVE. E. # Twin Falls, Idaho 83301  
PHONE: (208) 736-8050

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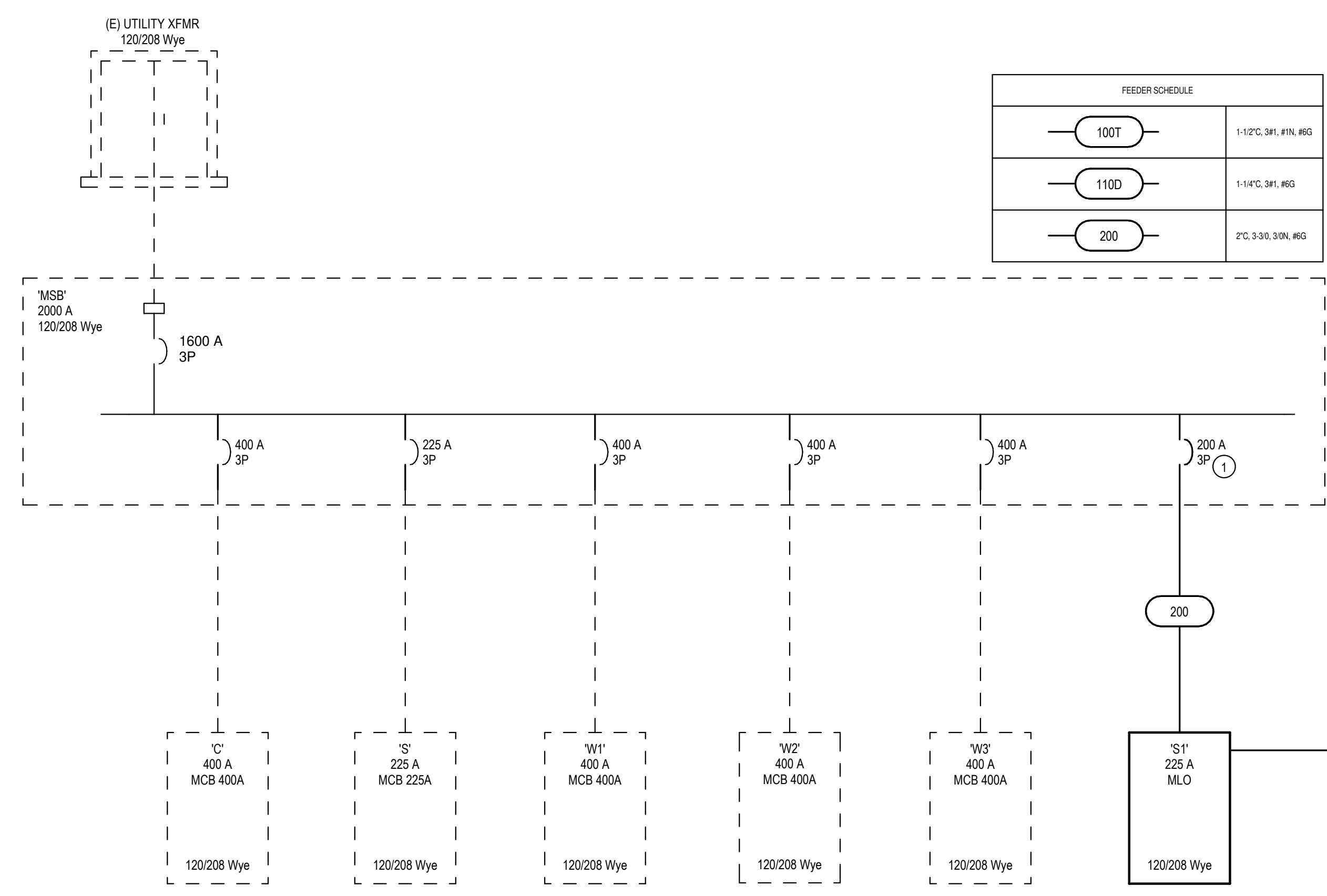
**# KEY NOTES:**  
 1 PROVIDE AND INSTALL NEW CIRCUIT BREAKER IN EXISTING EATON POW-R-LINE C SWITCHBOARD. SIZE AND TYPE AS INDICATED. PROVIDE ALL REQUIRED FILLER PLATES, ETC.

**FAULT CURRENT SCHEDULE**

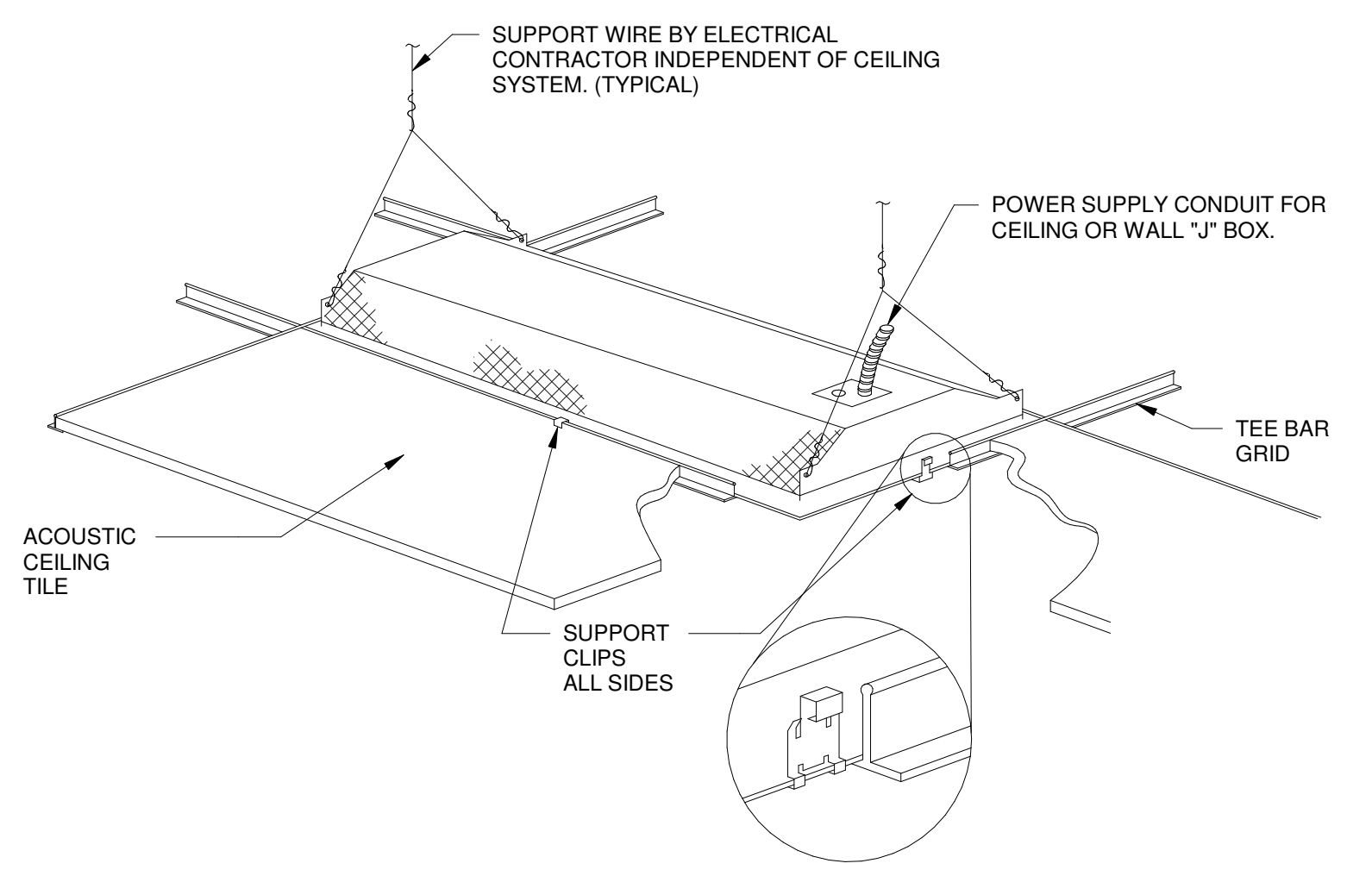
DEVICE	FAULT AT DEVICE	AIC RATING	VOLTAGE	TRANSFORMER		FAULT AT PRIMARY
				KVA	Z%	
(E) UTILITY XFMR	16,674		208V	150	2	
MSB	15,742	65,000	208V			
C	12,416	22,000	208V			
S1	8,173	10,000	208V			
TQ	2,506		208V	30	1.75	4,553
Q	2,351	10,000	240V			
S	11,031	22,000	208V			
W1	13,242	22,000	208V			
W2	13,134	22,000	208V			
W3	13,030	22,000	208V			

**FEEDER SCHEDULE**

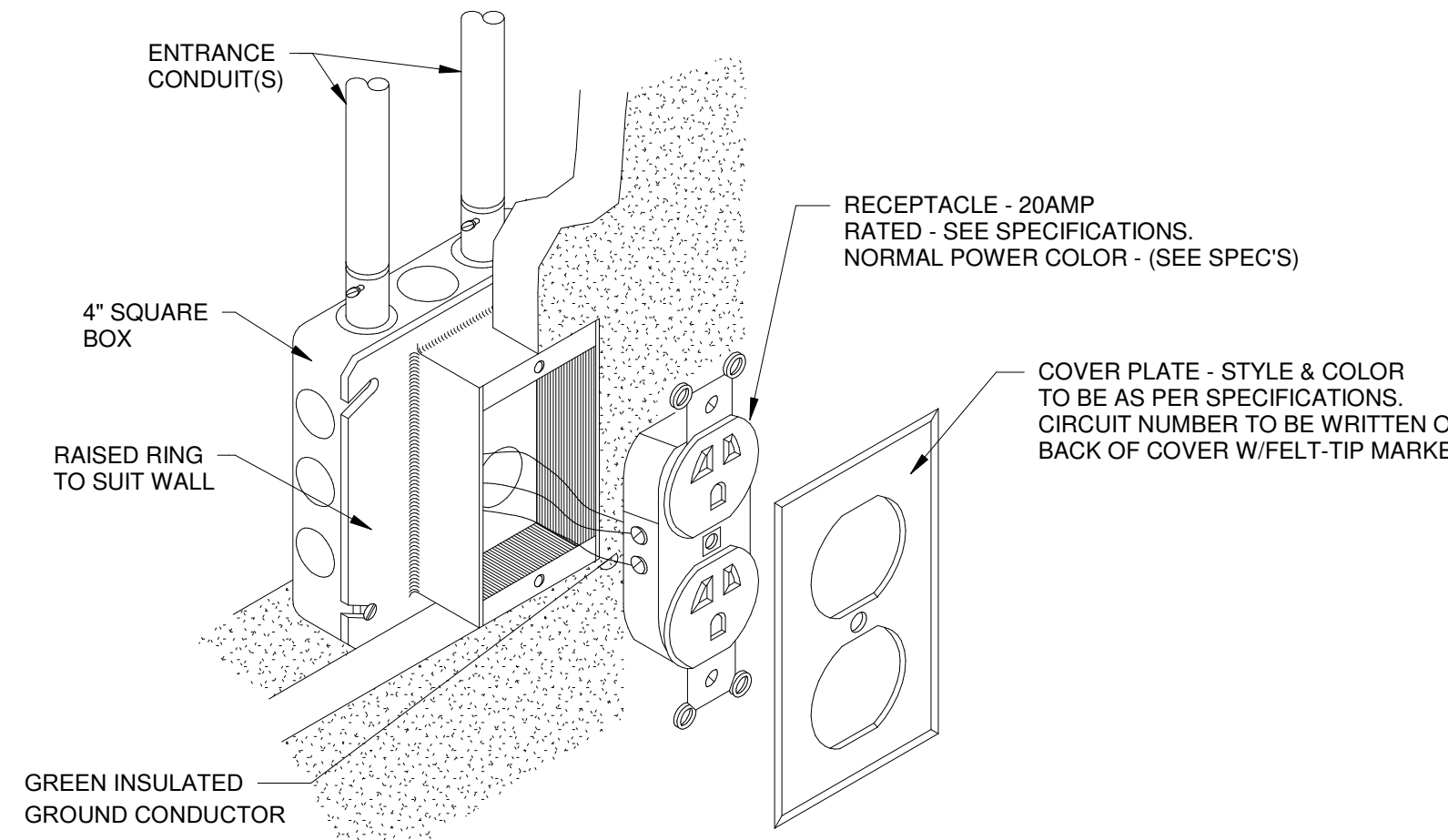
100T	1-1/2" C, 3#1, #1N, #6G
110D	1-1/4" C, 3#1, #6G
200	2" C, 3/32, 3/16, #6G



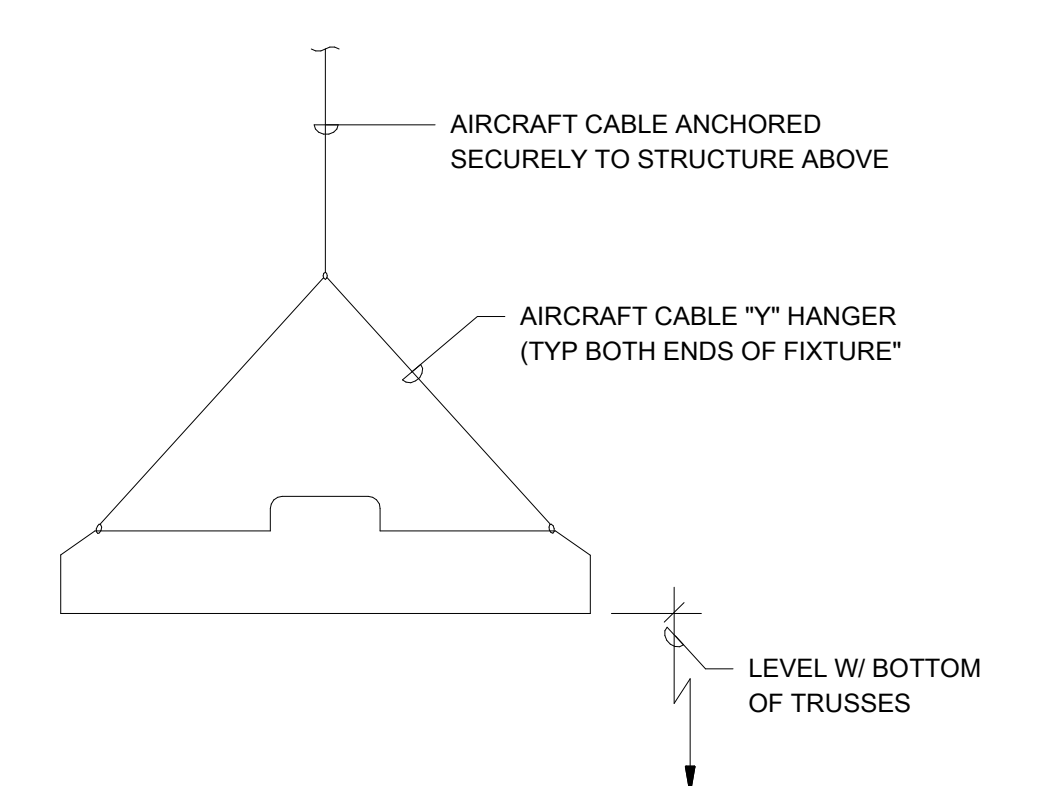
**1 POWER RISER DIAGRAM**  
 SCALE: NONE



**A LIGHT FIXTURE RECESSED DETAIL**  
 SCALE: NONE



**B RECEPTACLE MOUNTING DETAIL**  
 SCALE: NONE



**C LIGHT FIXTURE HIGHBAY MOUNTING DETAIL**  
 SCALE: NONE

**PANEL: S1**  
**PAYNE ENGINEERING**  
 LOCATION: SHOP 3  
 FED FROM: MSB  
 MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 MFG/ MODEL: SQ. D/NO SERIES  
 NOTES:

VOLTAGE: 120/208 Wye  
 PHASES: 3  
 WIRES: 4  
 BUSSING: SEE SPEC'S  
 DIMENSIONS: 20"W x 5.8"D x "H

SCCR: 10,000  
 TYPE: MLO  
 BUS AMPS: 225  
 FEED: TOP

**PROJECT:**  
 KIMBERLY SCHOOL DISTRICT

CKT	CIRCUIT DESCRIPTION	NOTE	AMPS	P	A	B	C	P	AMPS	NOTE	CIRCUIT DESCRIPTION	CKT
1	Lighting		20 A	1	1080	720		1	20 A		Receptacle	2
3	Lighting		20 A	1		1260 1080		1	20 A		Receptacle	4
5	SPARE	--	20 A	1			0 360	1	20 A		Cord reel	6
7	SPARE	--	20 A	1	0	360		1	20 A		Cord reel	8
9	SPARE	--	20 A	1			0 360	1	20 A		Cord reel	10
11	SPARE	--	20 A	1			0 360	1	20 A		Cord reel	12
13	Cord reel		20 A	1	360	360		1	20 A		Cord reel	14
15	Cord reel		20 A	1		360 360		1	20 A		Cord reel	16
17	Cord reel		20 A	1			360 720	1	20 A		Receptacle	18
19	Receptacle		20 A	1	1370	360		1	20 A		Receptacle	20
21	Receptacle		20 A	1		900 360		1	20 A		Receptacle	22
23	Receptacle		20 A	1			590 360	1	20 A		Receptacle	24
25	Receptacle		20 A	1	360	540		1	20 A		Battery Charging Plugmold	26
27	Receptacle		20 A	1		360 0		1	20 A	--	SPARE	28
29	Shop Fan		20 A	1			1756 500	1	20 A		Overhead Door	30
31	Hood Fan		20 A	1	528	1440		1	20 A		Miter Saw	32
33	Shop Heaters		15 A	1		576 0		1	20 A	--	SPARE	34
35	SPARE	--	20 A	1			0 0	1	20 A	--	SPARE	36
37	SPARE	--	20 A	1	0	0		1	20 A	--	SPARE	38
39	Elec. Heating		15 A	2		750 0		1	20 A	--	SPARE	40
41							750 0	1	20 A	--	SPARE	42
43	Water Heater		30 A	2	2250	0		1	20 A	--	SPARE	44
45					2250 0			1	20 A	--	SPARE	46
47	Welder		50 A	2			4000 0	1	20 A	--	SPARE	48
49					4000 10501							50
51	Welder		50 A	2			4000 9325	3	110 A		XFMR TQ	52
53							4000 4501					54
<b>TOTAL LOAD:</b>			24.2 kVA		21.9 kVA	18.3 kVA						
<b>TOTAL AMPS:</b>			207 A		188 A	152 A						

**PANEL LOAD SUMMARY**

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS
Equipment	25818 VA	100.00%	25818 VA	<b>TOTAL CONN. LOAD:</b> 64428 VA
HVAC	0 VA	0.00%	0 VA	
Lighting	2340 VA	100.00%	2340 VA	<b>TOTAL EST. DEMAND:</b> 62412 VA
Motor	2334 VA	117.74%	2748 VA	<b>TOTAL CONN. AMPS:</b> 179 A
Receptacle	10860 VA	96.04%	10430 VA	<b>TOTAL EST. DEMAND AMPS:</b> 173 A
Welder	16000 VA	87.50%	14000 VA	
Power	500 VA	100.00%	500 VA	
Elec. Heating	6576 VA	100.00%	6576 VA	

**BRK NOTES:**  
 A = ARC-FAULT BREAKER  
 S = SHUNT-TRIP BREAKER  
 GP = GFEPD BREAKER  
 G = GFCI BREAKER  
 LCP = CRKT TO BE ROUTED THROUGH LTG CONTROL PANEL  
 R = RED HANDLED, LOCK-OUT TYPE

**PANEL: Q**  
**PAYNE ENGINEERING**  
 LOCATION: TOOL ROOM 4  
 FED FROM: TQ  
 MOUNTING: SURFACE  
 ENCLOSURE: NEMA 1  
 MFG/ MODEL: SQ. D/NO SERIES  
 NOTES:

VOLTAGE: 120/240 Three  
 PHASES: 3  
 WIRES: 4  
 BUSSING: SEE SPEC'S  
 DIMENSIONS: 20"W x 5.8"D x "H

SCCR: 10,000  
 TYPE: MCB 100A  
 BUS AMPS: 100  
 FEED: TOP

**PROJECT:**  
 KIMBERLY SCHOOL DISTRICT

CKT	CIRCUIT DESCRIPTION	NOTE	AMPS	P	A	B	C	P	AMPS	NOTE	CIRCUIT DESCRIPTION	CKT
1	Dust Collector		30 A	2	2640	3360		2	40 A		Table Saw	2
3						2640 3360						4
5	SPARE	--	30 A	2			0 1176	2	20 A		Band Saw	6
7					0 1176							8
9						3325 0		2	20 A	--	SPARE	10
11	Air Compressor		30 A	3			3325 0					12
13					3325 0			2	40 A	--	SPARE	14
15	PREPARED SPACE	--	--	1		-- 0		--	--		PREPARED SPACE	16
17	PREPARED SPACE	--	--	1		-- --		--	--		PREPARED SPACE	18
<b>TOTAL LOAD:</b>			10.5 kVA		9.3 kVA	4.5 kVA						
<b>TOTAL AMPS:</b>			88 A		78 A	38 A						

**PANEL LOAD SUMMARY**

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS
Equipment	24328 VA	100.00%	24328 VA	<b>TOTAL CONN. LOAD:</b> 24328 VA
				<b>TOTAL EST. DEMAND:</b> 24328 VA
				<b>TOTAL CONN. AMPS:</b> 59 A
				<b>TOTAL EST. DEMAND AMPS:</b> 59 A

**BRK NOTES:**  
 A = ARC-FAULT BREAKER  
 S = SHUNT-TRIP BREAKER  
 GP = GFEPD BREAKER  
 G = GFCI BREAKER  
 LCP = CRKT TO BE ROUTED THROUGH LTG CONTROL PANEL  
 R = RED HANDLED, LOCK-OUT TYPE

DATE: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

AN ADDITION FOR:  
 KIMBERLY SCHOOL DISTRICT  
 Enter address here  
 POWER RISER, SCHEDULES & DETAILS

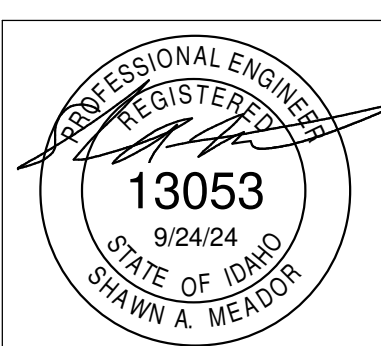
**Laughlin Ricks Architecture**  
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PROJECT #: 2442

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