PHASE 1 PART A:

TWIN FALLS COUNTY - WRIGHT AVE. JAIL

2515 Wright Ave, Twin Falls, ID 83301

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E1A-2.0	POWER PLAN
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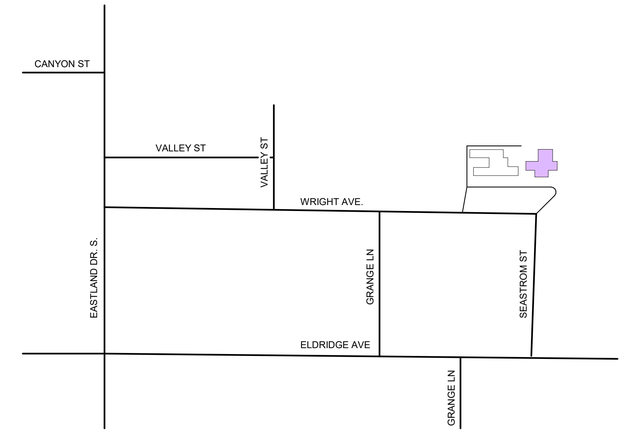
E1A-5.0	POWER RISER DIAGRAMS & SCHEDULES
E1A-5.1	ELECTRICAL SCHEDULES & DETAILS

GENERAL NOTES:

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

TWIN FALLS FIRE DEPARTMENT NOTES:

1. 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.
2. FIRE SPRINKLER UNDERGROUND PIPING
   THE UNDERGROUND FIRE SPRINKLER LINE MUST MEET NFPA 24 AND THE CITY OF TWIN FALLS STANDARDS. THE INSPECTION AND TESTING OF THE UNDERGROUND FIRE SPRINKLER LINE SHALL BE OVERSEEN BY THE TWIN FALLS FIRE MARSHALL.
3. SPRINKLER SYSTEM(S)
   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.
4. FDC VISUAL ALARM A VISUAL ALARM DEVICE (EXTERIOR HORN/STROBE) SHALL BE PROVIDED IN THE AREA OF THE FDC.
5. APPROVED SIGNS SHALL BE INSTALLED ON THE FIRE RISER ROOM DOOR AND ON THE FIRE DEPARTMENT CONNECTION.



1 VICINITY MAP
N.T.S.

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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 OF
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/ AIR CONDITIONING	PSI	POUNDS PER SQUARE INCH	TT	TIRE TREAD
ARCH	ARCHITECT (-URAL)	(E)	EXISTING			PT	PAINT, PRESSURE TREATED	TYP	TYPICAL
AW	ACOUSTICAL WALL	EA	EACH	ILO	IN LIEU OF	PTD	PAPER TOWEL DISPENSER	UNO	UNLESS NOTED OTHERWISE
AWF	ACOUSTICAL WALL FABRIC	EJ	EXPANSION JOINT	INSUL	INSULATION	QT	QUARTZ TILE	U/S	UNDERSIDE
BLDG	BUILDING	EL	ELEVATION	INT	INTERIOR	R	RISER, RADIUS	VB	VAPOR BARRIER
BM	BEAM	ELEC	ELECTRIC (-AL)	JNT	JOINT	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		PAINT SYSTEM	RSF	RUBBER SHEET FLOORING	VR	VAPOR RETARDER
CBT	CABINET	EXP	EXPANSION	MDO	MEDIUM DENSITY OVERLAY PLYWOOD	S	SOUTH	VT	VINYL TILE
CG	CORNER GUARD	EXT	EXTERIOR			SC	SOLID CORE	VWF	VINYL WALL FABRIC
CJ	CONTROL JOINT	FA	FIRE ALARM	MECH	MECHANIC (-AL)	SCU	STRUCTURAL CLAY UNIT	W	WEST
CL	CENTERLINE	FD	FLOOR DRAIN	MFR	MANUFACTURE (-R)	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	FACTORY FINISH, FINISH FLOOR	MRGB	MOISTURE RESISTANT GYPSUM BOARD	SFGL	SAFETY GLASS	WDO	WINDOW
CMU	CONCRETE MASONRY UNIT	FIN	FINISH (-ED)			SHTG	SHEATHING	WF	WALL FABRIC
CO	CLEAN OUT	FLR	FLOOR (-ING)	MTL	METAL	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 PLASTIC PANEL	NA, N/A	NOT APPLICABLE	SP	SPACE (-S)	WM	WIRE MESH
CORR	CORRIDOR			NIC	NOT IN CONTRACT	SPEC	SPECIFICATION	W/O	WITHOUT
CP	CARPET	FRVR	FLAME RESISTANT VAPOR BARRIER	NDU	SANITARY NAPKIN DISPOSAL UNIT	SQ	SQUARE	WOC	WALK-OFF CARPET
CS	CONCRETE SLAB, SEALED	FT	FOOT, FEET			S/S	STAINLESS STEEL	WP	WATERPROOFING
CT	CERAMIC TILE	FTG	FOOTING	NOM	NOMINAL	ST	STAIN	WPS	WALL PROTECTION SYSTEM
CTJ	CONTROL JOINT	FWC	FABRIC WALL COVERING	NTS	NOT TO SCALE	STL	STEEL	WR	WATER RESISTANT
CTR	COUNTER (-TOP)	GA	GAUGE	OC	ON CENTER	STR	STRUCTURE (-AL)	WRGB	WATER RESISTANT GYPSUM WALLBOARD
DBL	DOUBLE	GALV	GALVANIZED	OD	OUTSIDE DIAMETER	STRG	STORAGE		
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

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
TITLE SHEET

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

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-0.0

PLAN ANALYSIS
Based on 2018 Edition of I.B.C & I.E.B.C. PERSCRIPTIVE

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

Engineer:

Job Address: 2515 WRIGHT AVE., TWIN FALLS, ID 83301

Legal Description:

Occupancy Classification: B, I-3, S-1 — Occupant Load Per Area: REFER TO SHEET A1A-0.2

Occupancy Use: JAIL

Allowable Stories Per Code: 3 — Provided: 1 (IBC Table 505.4) — Total: 112

Floor Area: Basement: — 1st: (E) = 10,024 SQ. FT. (N) = 5,016 SQ. FT. — Exits Required: Basement: — 1st:

Mezzanine: — 3rd: — Total: 15,040 SQ. FT. — 2nd: — 3rd: — 4th:

Total Required Exits Per Occupant Load: (IBC Table 1006.3.2)

Actual furthest travel distance to exit: 93' (IBC Table 1017.2 & 1006.2.1)

Penetrations? Show Approved Listed Products on Plans:

Type of Construction: VA — Allowable Building Height: 70'

Seismic Design Category: C — Allowable Area Calc's:

Automatic Sprinkler System: Yes: X No: — (IBC Table 506.2)

Maximum Floor Area Allowed: 30,000 SQ. FT. — Exit Signs: Yes: X No:

Special Inspections Required? Yes: X No: — 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: X No: — Vestibule Required: Yes: No: X

Area Separation Required? Yes: No: X — Classified Areas? (Show on plans & Show Areas) Yes: No: X

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

Minimum Roof Class: B (IBC Table 1505.1) — Exterior Wall Openings: NO LIMIT (IBC 705.8)

Fire Doors: YES, REFER TO DOOR SCHEDULE (IBC Table 716.1.2) — Fire Alarm System: YES (IBC 907.2)

Fire Flow and Duration: — Corridor Width: 44" (IBC Table 1020.2)

Rated Structural Frame: (Roof Supports Only) Yes: X No: — Rated Corridors: (IBC Section 1020.1) Yes: No: X

Rated Bearing Walls-Exterior: Yes: X No: — Rated Bearing Walls-Interior: Yes: X No:

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

Rated Nonbearing Walls-Exterior: (10'-30' Fire Separation) Yes: No: X — Rated Nonbearing Walls-Interior: Yes: No: X

Rated Floor Construction: Yes: X No: — Rated Roof Construction: Yes: X No:

Lighting Layout and COM Check? Yes: X No:

Comments: FIRE SPRINKLER SYSTEM SHALL BE PROVIDED / MODIFIED AS REQUIRED. ALL (E) FIRE SPRINKLER HEADS SHALL BE REPLACED WITH A TYCO RAVEN TY3281 HEAD.

FIRE ALARM & DETECTION SYSTEM SHALL BE PROVIDED / MODIFIED AS REQUIRED.

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

TABLE 1020.1
CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (HOURS)	
		WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
H-1, H-2, H-3	ALL	NOT PERMITTED	1
H-4, H-5	GREATER THAN 30	NOT PERMITTED	1
A, B, E, F, M, S, U	GREATER THAN 30	1	0
R	GREATER THAN 10	NOT PERMITTED	0.5
I-2[a], I-4	ALL	NOT PERMITTED	0
I-1, I-3	ALL	NOT PERMITTED	1[b]

b. For a reduction in fire-resistance rating for the occupancies in Group I-3, see section 408.8

7 TABLE 1020.1
1/4" = 1'-0"

TABLE 1020.2
MINIMUM CORRIDOR WIDTH

OCCUPANCY	MINIMUM WIDTH (INCHES)
ANY FACILITY NOT LISTED IN THIS TABLE	44
ACCESS TO AND UTILIZATION OF MECHANICAL, PLUMBING OR ELECTRICAL SYSTEMS OR EQUIPMENT	24
WITH AN OCCUPANT LOAD OF LESS THAN 50	36
WITHIN A DWELLING UNIT	36
IN GROUP E WITH A CORRIDOR HAVING AN OCCUPANT LOAD OF 100 OR MORE	72
IN CORRIDORS AND AREAS SERVING STRETCHER TRAFFIC IN AMBULATORY CARE FACILITIES	72
GROUP I-2 IN AREAS WHERE REQUIRED FOR BED MOVEMENT	96

8 TABLE 1020.2
1/4" = 1'-0"

TABLE 504.3
ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

OCCUPANCY CLASSIFICATION	SEE FOOTNOTES	TYPE OF CONSTRUCTION								
		TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B	HT	A	B
I-1 CONDITION 1, I-3	NS[d,e]	UL	160	65	55	65	55	65	50	40
	S	UL	180	85	75	85	75	85	70	60

1 TABLE 504.3
1/4" = 1'-0"

TABLE 506.2
ALLOWABLE AREA FACTOR (A_t = NS, S, S13R, OR SM, AS APPLICABLE) IN SQUARE FEET

OCCUPANCY CLASSIFICATION	SEE FOOTNOTES	TYPE OF CONSTRUCTION								
		TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B	HT	A	B
I-3	NS[d,e]	UL	UL	15,000	10,000	10,500	7,500	12,000	7,500	5,000
	S1	UL	UL	45,000	40,000	42,000	30,000	48,000	30,000	20,000
	SM	UL	UL	45,000	30,000	31,500	22,500	36,000	22,500	15,000

3 TABLE 506.2
1/4" = 1'-0"

TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING (HOURS)

BUILDING ELEMENT	TYPE OF CONSTRUCTION								
	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A	B	A	B	HT	A	B
PRIMARY STRUCTURAL FRAME[f] (SEE SECTION 202)								1[b]	
BEARING WALLS EXTERIOR[e,f]	3							1	
BEARING WALLS INTERIOR	3[b]								
NON BEARING WALLS AND PARTITIONS EXTERIOR	SEE TABLE 602								
NON BEARING WALLS AND PARTITIONS INTERIOR	0							0	
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (SEE SECTION 202)	2							1	
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (SEE SECTION 202)	1 1/2[b]							1[b,c]	

5 TABLE 601
1/4" = 1'-0"

TABLE 504.4
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

OCCUPANCY CLASSIFICATION	SEE FOOTNOTES	TYPE OF CONSTRUCTION								
		TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
		A	B	A	B	A	B	HT	A	B
I-3	NS[d,f]	UL	4	2	1	2	1	2	2	1
	S	UL	5	3	2	3	2	3	3	2

2 TABLE 504.4
1/4" = 1'-0"

TABLE 508.4
REQUIRED SEPARATION OF OCCUPANCIES (HOURS)

OCCUPANCY	A,E		I-1[a], I-3, I-4		I-2		R		F-2, S-2[b], U		B[a], F-1, M, S-1		H-1		H-2		H-3, H-4		H-5	
	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS
I-1[a], I-3, I-4			N	N	2	NP	1	NP	1	2	1	2	NP	NP	3	NP	2	NP	2	NP

S = BUILDINGS EQUIPT THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1.
NS = BUILDINGS NOT EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.9.1.1
N = NO SEPERATION REQUIREMENT
NP = NOT PERMITTED

4 TABLE 508.4
1/4" = 1'-0"

508.3 NONSEPARATED OCCUPANCIES.
BUILDINGS OR PORTIONS OF BUILDINGS THAT COMPLY WITH THE PROVISIONS OF THIS SECTION SHALL BE CONSIDERED AS NONSEPARATED OCCUPANCIES.

508.3.1 OCCUPANCY CLASSIFICATION.
NONSEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE TO SECTION 302.1. THE REQUIREMENTS OF THIS CODE SHALL APPLY TO EACH PORTION OF THE BUILDING BASES ON OCCUPANCY CLASSIFICATION OF THAT SPACE. IN ADDITION, THE MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA.

508.3.2 ALLOWABLE BUILDING AREA AND HEIGHT.
THE ALLOWABLE BUILDING AREA AND HEIGHT OF THE BUILDING OR PORTION THEREOF SHALL BE BASED ON THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS UNDER CONSIDERATION FOR THE TYPE OF CONSTRUCTION OF THE BUILDING IN ACCORDANCE WITH SECTION 503.1.

508.3.3 SEPARATION.
NO SEPERATION IS REQUIRED BETWEEN NONSAPERATED OCCUPANCIES

TABLE 803.11
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY[k]

GROUPS	SPRINKLERED			NONSPRINKLERED		
	INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS[a,b]	CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES[c]	INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS[a,b]	CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES[c]
I-3	A	A[i]	C	A	A	B

6 TABLE 803.11
1/4" = 1'-0"

OCCUPANCY GROUP I-3 CONDITION 4
308.5.1 CONDITION 4. THIS OCCUPANCY CONDITION SHALL INCLUDE BUILDINGS IN WHICH FREE MOVEMENT IS RESTRICTED FROM AN OCCUPIED SPACE. REMOTE-CONTROLLED RELEASE IS PROVIDED TO PERMIT MOVEMENT FROM SLEEPING UNITS, ACTIVITY SPACES AND OTHER OCCUPIED AREAS WITHIN THE SMOKE COMPARTMENT TO OTHER SMOKE COMPARTMENTS.

SECTION 408
GROUP I-3
408.2 OTHER OCCUPANCIES. BUILDINGS OR PORTIONS OF BUILDINGS IN GROUP I-3 OCCUPANCIES WHERE SECURITY OPERATIONS NECESSSITATE THE LOCKING OF REQUIRED MEANS OF EGRESS SHALL BE PERMITTED TO BE CLASSIFIED AS A DIFFERENT OCCUPANCY. OCCUPANCIES CLASSIFIED AS OTHER THAN GROUP I-3 SHALL MEET THE APPLICABLE REQUIREMENTS OF THIS CODE FOR THAT OCCUPANCY WHERE PROVISIONS ARE MADE FOR THE RELEASE OF OCCUPANTS AT ALL TIMES.
MEANS OF EGRESS FROM DETENTION AND CORRECTIONAL OCCUPANCIES THAT TRAVERSE OTHER USE AREAS SHALL, AS A MINIMUM, CONFORM TO REQUIREMENTS FOR DETENTION AND CORRECTIONAL OCCUPANCIES.

408.3 MEANS OF EGRESS. EXCEPT AS MODIFIED OR AS PROVIDED FOR IN THIS SECTION, THE MEANS OF EGRESS PROVISIONS OF CHAPTER 10 SHALL APPLY.

408.3.1 DOOR WIDTH. DOORS TO RESIDENT SLEEPING UNITS SHALL HAVE A CLEAR WIDTH OF NOT LESS THAN 28 INCHES.

408.3.6 EXIT DISCHARGE. EXITS ARE PERMITTED TO DISCHARGE INTO A FENCED OR WALLED COURTYARD. ENCLOSED YARDS OR COURTS SHALL BE OF A SIZE TO ACCOMMODATE ALL OCCUPANTS, BE LOCATED NOT LESS THAN 50 FEET FROM THE BUILDING AND HAVE AN AREA OF NOT LESS THAN 15 SQUARE FEET PER PERSON.

408.3.7 SALLYPORTS. A SALLYPORT SHALL BE PERMITTED IN A MEANS OF EGRESS WHERE THERE ARE PROVISIONS FOR CONTINUOUS AND UNOBSTRUCTED PASSAGE THROUGH THE SALLYPORT DURING AN EMERGENCY EGRESS CONDITION.

408.3.8 INTERIOR EXIT STAIRWAY AND RAMP CONSTRUCTION. ONE INTERIOR EXIT STAIRWAY OR RAMP IN EACH BUILDING SHALL BE PERMITTED TO HAVE GLAZING INSTALLED IN DOORS AND INTERIOR WALLS AT EACH LANDING LEVEL PROVIDING ACCESS TO THE INTERIOR EXIT STAIRWAY OR RAMP, PROVIDED THAT THE FOLLOWING CONDITIONS ARE MET:
1. THE INTERIOR EXIT STAIRWAY OR RAMP SHALL NOT SERVE MORE THAN FOUR FLOOR LEVELS.
2. EXIT DOORS SHALL BE NOT LESS THAN 3/4 HOUR FIRE DOOR ASSEMBLIES COMPLYING WITH SECTION 716.5.
3. THE TOTAL AREA OF GLAZING AT EACH FLOOR LEVEL SHALL NOT EXCEED 5,000 SQUARE INCHES AND INDIVIDUAL PANELS OF GLAZING SHALL NOT EXCEED 1,296 SQUARE INCHES.
4. THE GLAZING SHALL BE PROTECTED ON BOTH SIDES BY AN AUTOMATIC SPRINKLER SYSTEM. THE SPRINKLER SYSTEM SHALL BE DESIGNED TO WET COMPLETELY THE ENTIRE SURFACE OF ANY GLAZING AFFECTED BY FIRE WHEN ACTUATED.
5. THE GLAZING SHALL BE IN A GASKETED FRAME AND INSTALLED IN SUCH A MANNER THAT THE FRAMING SYSTEM WILL DEFLECT WITHOUT BREAKING (LOADING) THE GLASS BEFORE THE SPRINKLER SYSTEM OPERATES
6. OBSTRUCTIONS, SUCH AS CURTAIN RODS, DRAPERY TRAVERSE RODS, CURTAINS, DRAPES OR SIMILAR MATERIALS SHALL NOT BE INSTALLED BETWEEN THE AUTOMATIC SPRINKLERS AND THE GLAZING.

408.4 LOCKS. EGRESS DOORS ARE PERMITTED TO BE LOCKED IN ACCORDANCE WITH THE APPLICABLE USE CONDITION. DOORS FROM A REFUGE AREA TO THE OUTSIDE ARE PERMITTED TO BE LOCKED WITH A KEY IN LIEU OF LOCKING METHODS DESCRIBED IN SECTION 408.4.1. THE KEYS TO UNLOCK THE EXTERIOR DOORS SHALL BE AVAILABLE AT ALL TIMES AND THE LOCKS SHALL BE OPERABLE FROM BOTH SIDES OF THE DOOR.

408.4.1 REMOTE RELEASE. REMOTE RELEASE OF LOCKS ON DOORS IN A MEANS OF EGRESS SHALL BE PROVIDED WITH RELIABLE MEANS OF OPERATION, REMOTE FROM THE RESIDENT LIVING AREAS, TO RELEASE LOCKS ON ALL REQUIRED DOORS. IN OCCUPANCY CONDITION 3 OR 4, THE ARRANGEMENT, ACCESSIBILITY AND SECURITY OF THE RELEASE MECHANISMS REQUIRED FOR EGRESS SHALL BE SUCH THAT WITH THE MINIMUM AVAILABLE STAFF AT ANY TIME, THE LOCK MECHANISMS ARE CAPABLE OF BEING RELEASED WITHIN 2 MINUTES.
EXCEPTION: PROVISIONS FOR REMOTE LOCKING AND UNLOCKING OF OCCUPIED ROOMS IN OCCUPANCY CONDITION 4 ARE NOT REQUIRED PROVIDED THAT NOT MORE THAN 10 LOCKS ARE NECESSARY TO BE UNLOCKED IN ORDER TO MOVE OCCUPANTS FROM ONE SMOKE COMPARTMENT TO A REFUGE AREA WITHIN 3 MINUTES. THE OPENING OF NECESSARY LOCKS SHALL BE ACCOMPLISHED WITH NOT MORE THAN TWO SEPARATE KEYS.

408.4.3 REDUNDANT OPERATION. REMOTE RELEASE, MECHANICALLY OPERATED SLIDING DOORS OR REMOTE RELEASE, MECHANICALLY OPERATED LOCKS SHALL BE PROVIDED WITH A MECHANICALLY OPERATED RELEASE MECHANISM AT EACH DOOR, OR SHALL BE PROVIDED WITH A REDUNDANT REMOTE RELEASE CONTROL.

408.4.4 RELOCK CAPABILITY. DOORS REMOTELY UNLOCKED UNDER EMERGENCY CONDITIONS SHALL NOT AUTOMATICALLY RELOCK WHEN CLOSED UNLESS SPECIFIC ACTION IS TAKEN AT THE REMOTE LOCATION TO ENABLE DOORS TO RELOCK.

408.6 SMOKE BARRIER. OCCUPANCIES IN GROUP I-3 SHALL HAVE SMOKE BARRIERS COMPLYING WITH SECTIONS 408.7 AND 709 TO DIVIDE EVERY STORY OCCUPIED BY RESIDENTS FOR SLEEPING, OR ANY OTHER STORY HAVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS, INTO NO FEWER THAN TWO SMOKE COMPARTMENTS.
EXCEPTION: SPACES HAVING A DIRECT EXIT TO ONE OF THE FOLLOWING, PROVIDED THAT THE LOCKING ARRANGEMENT OF THE DOORS INVOLVED COMPLIES WITH THE REQUIREMENTS FOR DOORS AT THE SMOKE BARRIER FOR THE USE CONDITION INVOLVED:
1. A PUBLIC WAY.
2. A BUILDING SEPARATED FROM THE RESIDENT HOUSING AREA BY A 2-HOUR FIRE-RESISTANCE-RATED ASSEMBLY OR 50 FEET OF OPEN SPACE.
3. A SECURED YARD OR COURT HAVING HOLDING SPACE 50 FEET FROM THE HOUSING AREA THAT PROVIDES 6 SQUARE FEET OR MORE OF REFUGE AREA PER OCCUPANT, INCLUDING RESIDENTS, STAFF AND VISITORS.

408.8.1 I-3 CONDITION 4. EACH SLEEPING AREA IN OCCUPANCY CONDITIONS 3 AND 4 SHALL BE SEPERATED FROM THE ADJACENT COMMON SPACES BY A SMOKE-TIGHT PARTITION WHERE THE DISTANCE OF TRAVEL FROM THE SLEEPING AREA THROUGH THE COMMON SPACE TO BE CORRIDOR EXCEEDS 50 FEET. (SMOKE-TIGHT PARTITION NOT REQUIRED. TRAVEL DISTANCE DOES NOT EXCEED 50').

408.10 FIRE ALARM SYSTEM. A FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.2.3.6

408.11 AUTOMATIC SPRINKLER SYSTEM. GROUP I-3 OCCUPANCIES SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.6.

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
CODE ANALYSIS

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

DATE: 7.15.24
KM Drawn — RCR Checked
#23029 PROJECT #

A1A-0.1

OCCUPANT LOAD

SMOKE COMPARTMENT 1		
DAY ROOM FOR CELL BLOCK 13	560 SF / 30 =	19
TOTAL		19
SMOKE COMARTMENT 2		
STORAGE / MECH/ EQUIPMENT	1,668 SF / 300 =	6
OFFICE / BUSINESS	5,959 SF / 150 =	40
TOTAL		46
SMOKE COMPARTMENT 3		
BOOKING CELLS (2 BEDS EA UNIT)	10 X 2 =	20
OFFICE / BUSINESS	937 SF / 150 =	7
STORAGE / MECH/ EQUIPMENT	23 SF / 300 =	1
TOTAL		28
SMOKE COMPARTMENT 4		
PARKING GARAGE	2,883 SF / 200 =	15
OFFICE / BUSINESS	483 SF / 150 =	4
TOTAL		19
GRAND TOTAL OCCUPANTS		**112**

SMOKE BARRIER

1 HR FIRE PARTITION

PH 1 PART 1 - OCCUPANT LOAD
1/4" = 1'-0"

PLUMBING FIXTURE COUNT

OCCUPANT LOAD = 112
OCCUPANT LOAD - CELLS = 73

TOILETS

1 PER CELL
1 PER CELL = 22 PROVIDED

MEN	WOMEN
1 PER 25	1 PER 25
37 / 25 = 2 REQ'D	37 / 25 = 2 REQ'D

5 SINGLE USER TOILET ROOMS PROVIDED

LAVATORIES

1 PER CELL
1 PER CELL = 22 PROVIDED

MEN	WOMEN
1 PER 35	1 PER 35
37 / 35 = 1 REQ'D	37 / 35 = 1 REQ'D

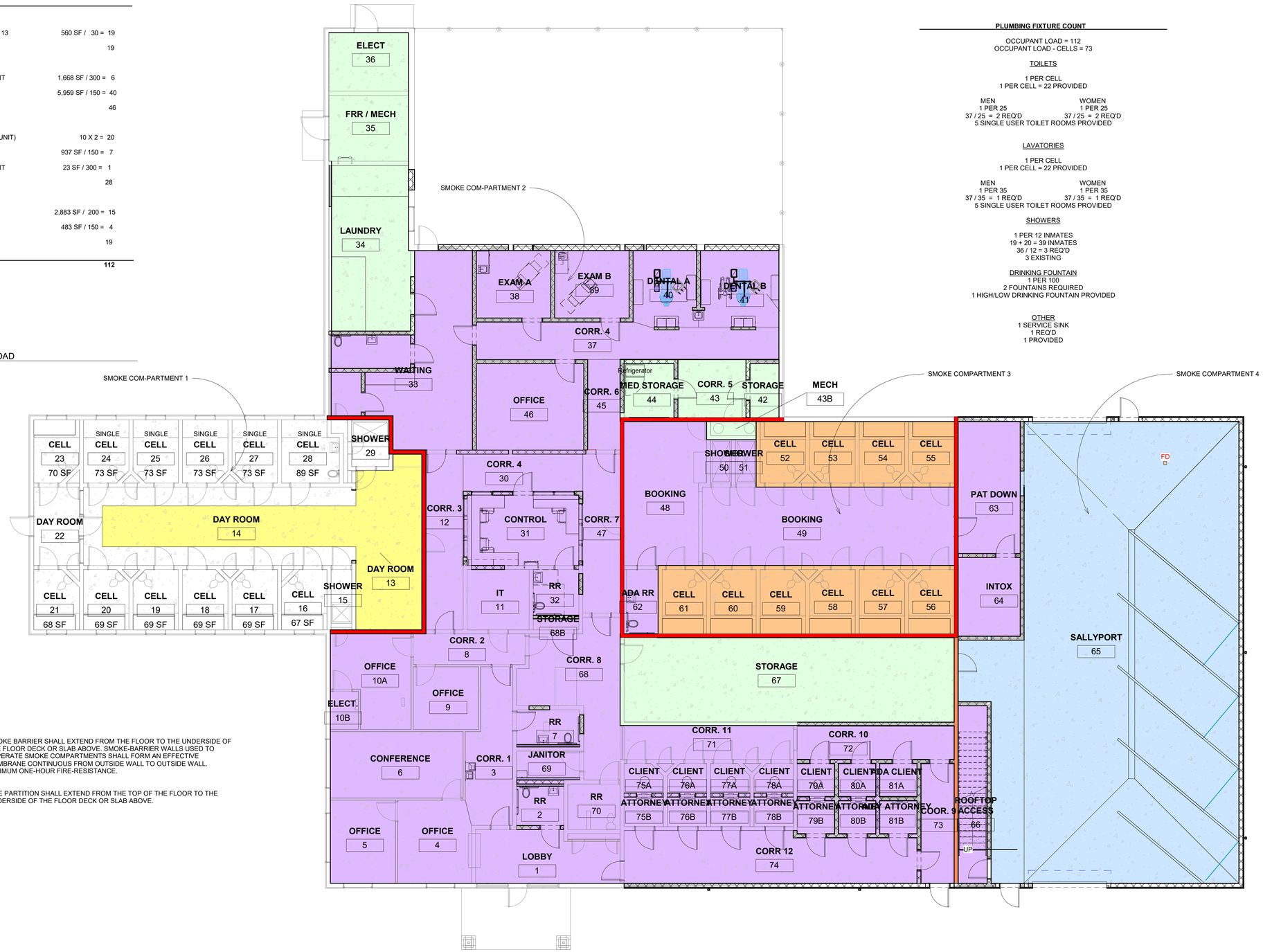
5 SINGLE USER TOILET ROOMS PROVIDED

SHOWERS

1 PER 12 INMATES
19 + 20 = 39 INMATES
36 / 12 = 3 REQ'D
3 EXISTING

DRINKING FOUNTAIN
1 PER 100
2 FOUNTAINS REQUIRED
1 HIGH/LOW DRINKING FOUNTAIN PROVIDED

OTHER
1 SERVICE SINK
1 REQ'D
1 PROVIDED



SMOKE BARRIER SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FLOOR DECK OR SLAB ABOVE. SMOKE-BARRIER WALLS USED TO SEPERATE SMOKE COMPARTMENTS SHALL FORM AN EFFECTIVE MEMBRANE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL. MINIMUM ONE-HOUR FIRE-RESISTANCE.

FIRE PARTITION SHALL EXTEND FROM THE TOP OF THE FLOOR TO THE UNDERSIDE OF THE FLOOR DECK OR SLAB ABOVE.

1 PH 1 PART A MAIN FLOOR OCCUPANCY
1/8" = 1'-0"

LICENSED ARCHITECT AR-985708
R. COLBY RICKS STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
CODE ANALYSIS- OCCUPANCY

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

DATE: 7.15.24
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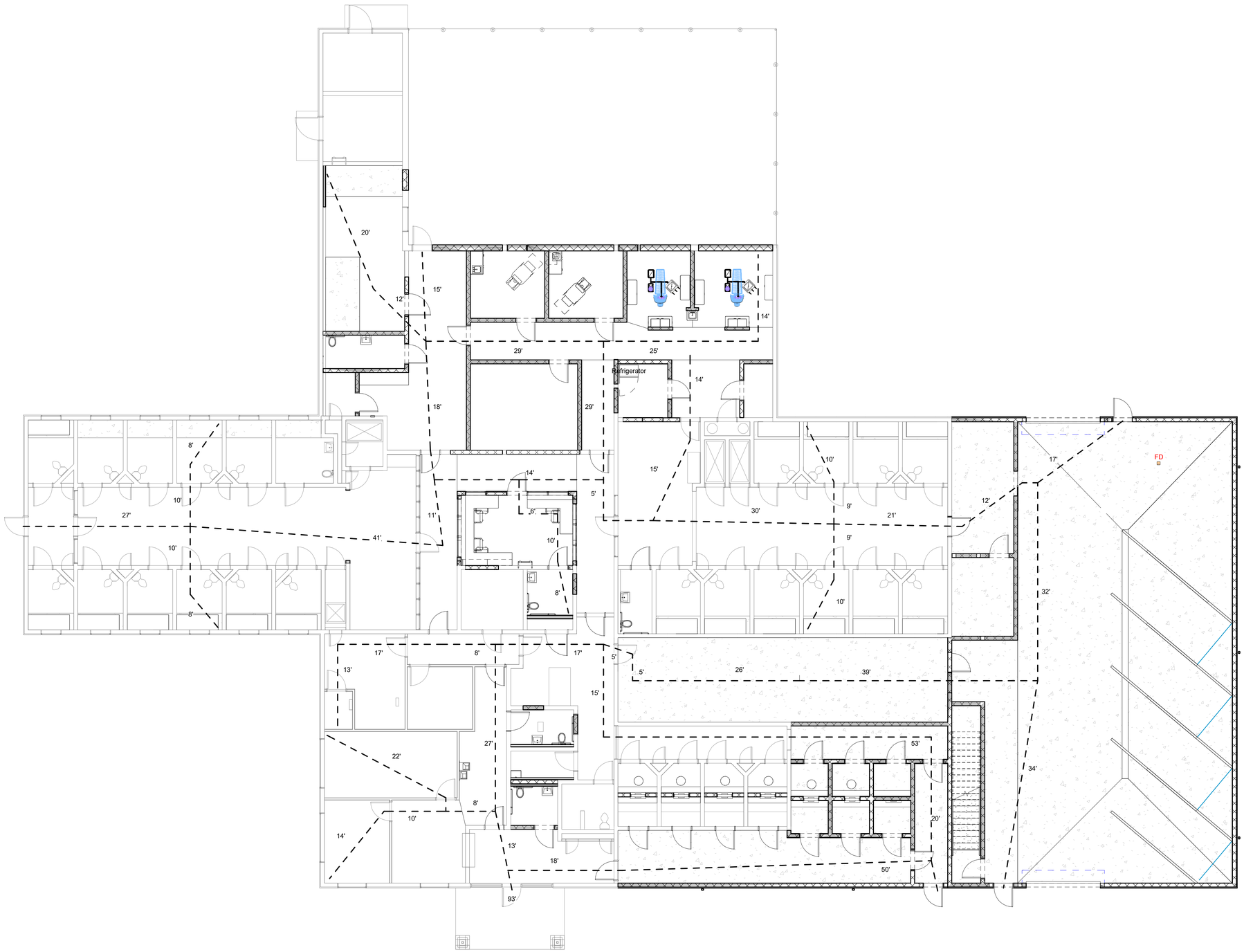
A1A-0.2



1 PH 1 PART A MAIN FLOOR EXITING
1/8" = 1'-0"

LICENSED
ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
CODE ANALYSIS - EXITING

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

DATE: 7.15.24
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RCR Checked
#23029 PROJECT #

A1A-0.3

SMOKE BARRIER

ELECT 36 | FRR / MECH 35 | LAUNDRY 34 | WAITING 33 | EXAM A 38 | EXAM B 39 | DENTAL A 40 | DENTAL B 41 | CORR. 4 37 | OFFICE 46 | CORR. 6 45 | Refrigerator | MED STORAGE 44 | CORR. 5 43 | STORAGE 42 | MECH 43B | CELL 23 | CELL 24 | CELL 25 | CELL 26 | CELL 27 | CELL 28 | SHOWER 29 | CORR. 4 30 | CORR. 3 12 | CONTROL 31 | CORR. 7 47 | BOOKING 48 | SHOWER 50 | SHOWER 51 | CELL 52 | CELL 53 | CELL 54 | CELL 55 | PAT DOWN 63 | FD | DAY ROOM 22 | DAY ROOM 14 | DAY ROOM 13 | SHOWER 15 | CELL 21 | CELL 20 | CELL 19 | CELL 18 | CELL 17 | CELL 16 | IT 11 | RR 32 | STORAGE 68B | BOOKING 49 | ADA RR 62 | CELL 61 | CELL 60 | CELL 59 | CELL 58 | CELL 57 | CELL 56 | INTOX 64 | SALLYPORT 65 | CORR. 2 8 | CORR. 8 68 | OFFICE 10A | OFFICE 9 | ELECT. 10B | STORAGE 67 | CONFERENCE 6 | CORR. 1 3 | JANITOR 69 | RR 7 | CORR. 11 71 | CORR. 10 72 | CLIENT 75A | CLIENT 76A | CLIENT 77A | CLIENT 78A | CLIENT 79A | CLIENT 80A | ADA CLIENT 81A | ATTORNEY 75B | ATTORNEY 76B | ATTORNEY 77B | ATTORNEY 78B | ATTORNEY 79B | ATTORNEY 80B | ATTORNEY 81B | CORR. 9 73 | ROOFTOP ACCESS 66 | RR 2 | RR 70 | OFFICE 5 | OFFICE 4 | LOBBY 1 | CORR 12 74 | 5' - 6" | UP

1 PH 1 PART A MAIN FLOOR FIRE & SMOKE
1/8" = 1'-0"

LICENSED ARCHITECT AR-985708
R. COLBY RICKS STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
CODE ANALYSIS - FIRE & SMOKE

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

DATE: 7.15.24
KM Drawn | RCR Checked
#23029 PROJECT #

A1A-0.4

Wall Opening Protective Materials (CLIV, CLIV7)

CERTIFIED — Certified by Underwriters Laboratories Inc. to UL 263 and CAN/ULC-S101

CP 617 Firestop Putty Pads, for use with max 4 by 4 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 and 2 hr, fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and completely seal against the stud within the stud cavity. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

CP 617 Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 hr fire rated V446 gypsum board drilled stud or U341 gypsum board/wood stud Wall and Partition Design No. in the Fire Resistance Directory. When U341 wall design is used, wall shall be sheathed with 5/8 in. gypsum board, and glass or mineral fiber batt insulation shall be installed in stud cavities in accordance with U341 design. Min 5/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the box within the stud cavity. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. and the boxes may be installed back-to-back.

CP 617 Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 and 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.6 pcf density fiberglass batt insulation is to be installed within the wall cavity required for 1 hr fire rated gypsum board wall assemblies and optional in 2 hr fire rated gypsum wallboard assemblies. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the box within the stud cavity. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

CP 617 Firestop Putty Pads, for use with max 4 by 3-3/4 by 3 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made from polyvinyl chloride, and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 and 2 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including the nailing tab and completely seal against the stud within the stud cavity. Outlet boxes installed with steel or plastic cover plates. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

CP 617 Firestop Putty Pads, for use with max 4 by 2-7/8 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made from polyvinyl chloride, and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in the 1 hr fire rated V446 gypsum board/steel stud or U341 gypsum board/wood stud Wall and Partition Design in the Fire Resistance Directory. When U341 wall design is used, wall shall be sheathed with 5/8 in. gypsum board, and glass or mineral fiber batt insulation shall be installed in stud cavities in accordance with U341 design. Outlet box secured to steel stud by means of fastening tab supplied with the outlet box. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including the tab and completely seal against the stud within the stud cavity. Outlet boxes installed with steel or plastic cover plates. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. and the boxes may be installed back to back.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. August 20, 2010

CP617 CP617L

Wall Opening Protective Materials (CLIV, CLIV7)

CERTIFIED — Certified by Underwriters Laboratories, Inc. to UL 263 and CAN/ULC-S101

CP 617 Firestop Putty Pads, for use with max 2-1/4 by 3-3/4 by 3-3/4 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Pass and Seymore, Inc., and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 and 2 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including the nailing tab and completely seal against the stud within the stud cavity. Outlet boxes installed with steel or plastic cover plates. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

CP 617 Firestop Putty Pads, for use with max 4 by 3-3/4 by 3 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Allied Molded Products, Inc., made from fiber reinforced thermoplastic and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including the nailing tab and completely seal against the stud within the stud cavity. Outlet boxes installed with plastic cover plates. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

CP 617 Firestop Putty Pads , for use with max 4 by 4 in. by 1-5/4 in. deep flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 hr fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and completely seal against the stud within the stud cavity. The boxes are installed back to back with 5 in. by 4 in. UL Classified fire block, FS 057 or CP 067 installed in the cavity between the two boxes.

CP 617 Firestop Putty Pads, for use with max 14 by 4 by max 2-1/2 in. flush device LL Listed Metallic Outlet Boxes installed with steel cover plates in 1 and 2 hr fire rated gypsum board wall assemblies framed with min 5 -1/2 in. deep wood or steel stud for 2 hr fire rated walls and min 3-1/2 in. deep wood or steel studs for 1 hr fire rated walls. Walls constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Stud cavity insulation is required and shall consist of min 5 -1/2 in. [2 hr rated walls)] or min 3-1/2 in. [1 hr rated walls) thick fiberglass (min 0.6 pcf) or mineral fiber (min 4 pcf). Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and conduit fittings at exterior of box and completely seal against the stud within the stud cavity. When boxes are interconnected by means of electrical metallic tube (EMT) or conduit, a ball of putty pad material shall be used to completely plug the open end of each EMT or conduit within the box. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

Hilti Firestop Systems

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CP617 CP617L

Wall Opening Protective Materials (CLIV)

CERTIFIED — Certified by Underwriters Laboratories, Inc. to UL 263 and CAN/ULC-S101

CP 617 Firestop Putty Pads for use with max 4-11/16 by 4-11/16 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel or plastic cover plates for use in 1 and 2 hr fire rated gypsum board wall assemblies framed with min 5-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 1/8 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including the nailing tab and completely seal against the stud within the stud cavity. When boxes are interconnected by means of electrical metallic tube (EMT) or conduit, a ball of putty pad material shall be used to completely plug the open end of each EMT or conduit within the outlet boxes. Metallic outlet boxes may be provided with steel attachment brackets which offset box min 5/4 in. from stud. When steel attachment brackets are used, putty pad to be affixed to the back and all four sides of the box. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

CP 617 Firestop Putty Pads and HILTI Firestop Box Inserts for use with maximum 4 by 4 by 1-1/2 in. (102 by 102 by 38 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel stud rings and with steel or plastic faceplates in 1 or 2 hr fire rated gypsum board wall assemblies constructed with min 3-1/2 in. (89 mm) wide wood or steel studs. When both protective materials are used with outlet boxes on both sides of the wall as directed, the boxes may be installed back to back provided that the backs of the boxes are minimum 1/2 in. (13 mm) apart and provided that the boxes are not interconnected. Installation shall comply with the National Electrical Code [NFPA 70]. Min 5/8 in. (3.2 mm) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and to completely seal against the stud within the stud cavity. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An additional 1/8 in. (3.2 mm) thickness of putty to be formed around the connector securing the end of each Type MC cable, electrical metallic tube (EMT) or conduit to the box. An insert pad shall be installed to completely cover the back inside surface of each outlet box.

Hilti Firestop Systems

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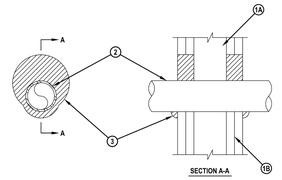
WL 2377

System No. W-L-2377

F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Ratings - 1 and 2 Hr (See Items 1 and 3)
L - Rating at Ambient - Less that 1 CFM/Sq Ft
L - Rating at 400°F - 4 CFM/Sq Ft



SECTION A-A

1. Wall Assembly - The 1 and 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.

B. Gypsum Board* - The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in.

The hourly F and T Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

FIRESTOP SYSTEMS

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. date June 15, 2004

CLASSIFIED — C UL US

WL 2377

System No. W-L-2377

F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Ratings - 1 and 2 Hr (See Items 1 and 3)
L - Rating at Ambient - Less that 1 CFM/Sq Ft
L - Rating at 400°F - 4 CFM/Sc Ft

2. Through Penetrant - One nonmetallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe and periphery of opening shall be min of 0 in. (point contact) to a max 1-1/4 in. Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used:

A. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 2 in. diam (or smaller) FLOWGUARD GOLD® SDR11 CPVC pipe for use in closed (process or supply) piping systems.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 2 in. diam (or smaller) BLAZEMASTER® SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

3. Fill, Void or Cavity Material* - Sealant - Min 5/8 in. and 1-1/4 in. thickness of fill material applied within annulus, flush with both surfaces of wall for 1 and 2 hr rated assemblies, respectively. At point contact location, a min 1/2 in. diam bead of fill material shall be applied to the wall/penetrant interface on both surfaces of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC - FS-ONE Sealant

*Bearing the UL Classification Mark

FIRESTOP SYSTEMS

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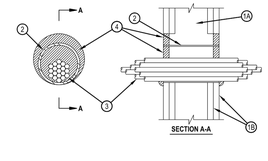
CLASSIFIED — C UL US

WL 3065

System No. W-L-3065

F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 and ¼ Hr (See Item 3)

CERTIFIED — Certified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

1. Wall Assembly — The 1 or 2 fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board, with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 5-1/2 in. (138 mm) when sleeve (Item 2) is employed. Max diam of opening is 4 in. (102 mm) when sleeve (Item 2) is not employed.

The F Rating of the firestop system is equal to the fire rating of the wall assembly.

2. Metallic Sleeve — (Optional) - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or heavier) steel pipe or min 0.016 in. thick (0.41 mm, No. 26 ga) galv steel sleeve installed flush with wall surfaces. The annular space between steel sleeve and periphery of opening shall be min 0 in. (0 mm, point contact) to max 1 in. (25mm). When Schedule 5 steel pipe or EMT is used, sleeve may extend up to 18 in. (457 mm) beyond the wall surfaces. As an option when Schedule 5 steel pipe or EMT is used, sleeve may extend continuously beyond one wall surfaces. When cable bundle penetrates wall assembly at an angle of 45 degrees, no metallic sleeve is used.

Hilti Firestop Systems

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WL 3065

3. Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (0 mm, point contact) to max 1 in. (25 mm) Cables to be rigidly supported on both sides of the wall assembly. Cable bundle, using cables described below, may penetrate the wall at an angle not greater than 45 degrees. Any combination of the following types and sizes of copper conductor cables may be used:

A. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.
B1. Max 4 pr No. 22 AWG Cat 5 or Cat 6 computer cables.
C. Type RG/U coaxial cable with polyethylene (PE) insulation and PVC jacket having a max outside diameter of ½ in. (13 mm).
C1. Max RG-6/U coaxial cable with fluorinated ethylene insulation and jacketing.
D. Multiple fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).
E. Through Penetrating Products* — Max three copper conductor No. 8 AWG .Metal-Clad Cable+.
AFC CABLE SYSTEMS INC.
F. Max 3/C (with ground)or smaller) No. 8 AWG copper conductor cable with PVC insulation and jacketing.
G. Max 3/4 in. (19 mm) diam copper ground cable with or without a PVC jacket.
H. Fire Resistive Cables* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable.
I. Max 4/C with ground 300 kcmil (or smaller) aluminum SER cable with PVC insulation and jacket.
J. Through Penetrating Product* - Any cables, Metal-Clad Cable+ or Armored Cable+ currently Classified under the Through Penetrating Products category.
K. Maximum 3/C No. 8 AWG metal-clad cable.
L. Maximum 5/8 diam fiber-optic cable with PVC jacket.

For cable bundle penetrating the wall assembly at an angle of 45 degrees, the T rating is ¾ hr for a 2 hr wall assembly.
See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.

4. Fill, Void or Cavity Material* — Sealant or Putty — Fill material applied within the annulus, flush with each end of the steel sleeve or wall surface. Fill material installed symmetrically on both sides of the wall. A min 5/8 in. (16 mm) thickness of sealant is required for the 1 or 2 hr F Rating. An additional 1/2 in. (13 mm) diam bead of fill material shall be applied around the perimeter of sleeve on both sides of the wall when sleeve extends beyond surface of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP6015, CP606, FS-One Sealants or CP618 Putty

*Bearing the UL Classification Mark
+Bearing the UL Listing Mark

Hilti Firestop Systems

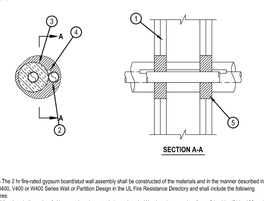
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. March 15, 2012

WL 8047

System No. W-L-8047

F Rating – 2 Hr
T Rating – 1¼ Hr

CERTIFIED — Certified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

1. Wall Assembly — The 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — The gypsum board type, thickness number of layers, fastener type and sheet orientation shall be specified in the individual Wall and Partition Design in the UL Fire Resistance Directory. Max diam of opening is 4-1/2 in. (114 mm).

2. Through-Penetrants — One or more pipe or tubing to be installed concentrically or eccentrically within the opening. The space between any penetrant and the periphery of the opening shall be min 0 in. (point contact) to max 1-1/4 in. (32 mm). Pipes or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. Copper Tube — Nom 1 in. (25 mm) diam (or smaller) Type L (or heavier) copper tube.
B. Copper Pipe — Nom 1 in. (25 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Tube Insulation - Plastics+ — Nom 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. Tube insulation to be installed on one or more of the metallic pipes or tubes.
See Plastics+ (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

4. Cables — Max of one 4 pair No. 18 AWG (or smaller) cable with PVC insulation and jacket materials.

5. Fill, Void or Cavity Material - Sealant* — Min 1-1/4 in. (32 mm) thickness of fill material applied within annulus between penetrants and gypsum board, flush with both surfaces of wall. At point contact, a 1/4 in. (6 mm) bead of fill material shall be applied at the penetrant/gypsum board interface on both sides of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

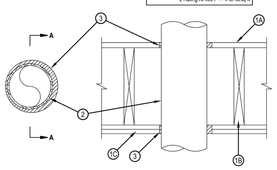
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 28, 2015

FC 1059

System No. F-C-1059

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item1)
T Ratings — 0 and 1/2 Hr (See Item 1)	FT Ratings — 0 and 1/2 Hr (See Item1)
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 4 CFM/sq ft	FTH Ratings — 0 and 1/2 Hr (See Item 1)
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — 4 CFM/sq ft

CERTIFIED — Certified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

1. Floor-Ceiling Assembly — The 1 or 2 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The F, FH Rating of the firestop system is equal to the rating of the floor-ceiling and wall assemblies. The T, FT and FTH Rating of the firestop system is 0 hr for 1 hr rated floor ceiling assembly and 1/2 hr for 2 hr rated floor ceiling assembly. The general construction features of the floor-ceiling assembly are summarized below.

A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 7-5/8 in. (194 mm).
B. Wood Joists* — Nom 10 in (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
C. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 7-5/8 in. (194 mm).
D. Furring Channels — (Not Shown) (As required) Resilient galvanized steel furring installed in accordance with the manner specified in the individual L500 Series Designs in the Fire Resistance Directory.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. December 06, 2018

FC 1059

System No. F-C-1059

1.1 Chase Wall — (Not Shown, Optional)—The through penetrants (Item 2) may be routed through a 1 or 2 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.

A. Studs — Nom 2 by 8 in. (51 by 203 mm) lumber or double nom 2 by 6 in. (51 by 152 mm) lumber studs.
B. Sole Plate — Nom 2 by 8 in. (51 by 203 mm) lumber or parallel 2 by 6 in. (51 by 152 mm) lumber plates, tightly butted. Max diam of opening shall be 7-5/8 in. (194 mm).
C. Top Plate — The double top plate shall consist of two nom 2 by 8 in. (51 by 203 mm) lumber plates or two sets of nom 2 by 6 in. (51 by 152 mm) lumber plates tightly butted. Max diam of opening is 7-5/8 in. (194 mm).
D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Designs.

2. Through Penetrants — One metallic tubing, pipe or conduit to be installed concentrically or eccentrically within the firestop system. Annular space between pipe or conduit and edge of opening to be min 1/4 in. (6 mm) and max 3/4 in. (19 mm). Pipe, tubing or conduit to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of metallic pipes, tubing or conduit may be used.

A. Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
B. Iron Pipe — Nom 6 in. (152 mm) diam (or smaller) cast or ductile pipe.
C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or nom 6 in. diam (or smaller) steel conduit.
D. Steel Flexible Metal Conduit + — Nom 2 in. (51 mm) diam (or smaller) steel flexible metal conduit.
See Flexible Metal Conduit (DXUZ) category in the Electrical Construction Materials Directory for names of manufacturers.

3. Fill, Void or Cavity Material*—Sealant — Min 5/8 in. (16 mm) or 1-1/4 in. (32 mm) thickness of sealant applied within annular space, flush with the bottom surface of gypsum wallboard or lower top plate for 1 and 2 hr floors respectively. Min. 3/4 in. (19 mm) thickness of sealant applied within annular space, flush with top surface of floor or sole plate.
HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

•Bearing the UL Listing Mark.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

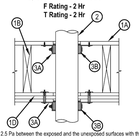
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. December 06, 2018

FC 2029

System No. F-C-2029

F Rating - 2 Hr
T Rating - 2 Hr

CERTIFIED — Certified by Underwriters Laboratories, Inc. to UL 1479



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Floor-Ceiling Assembly — The fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L 500 Series Floor-Ceiling Design in the UL Fire Resistance Directory, as summarized below:

A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design.
B. Wood Joists — Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
C. Furring Channels — (Not Shown) — (As required) Resilient galvanized steel furring installed in accordance with the manner specified in the individual L500 Series Designs in the Fire Resistance Directory.
D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in the individual Floor-Ceiling Design.

2. Through-Penetrants — One nonmetallic pipe, conduit or tubing to be installed within the firestop system. Diam of openings hole-sawed through flooring system and through two layers gypsum wallboard ceiling to be 0 to 1/2 in. (13 mm) larger than the outside diam of through-penetrant. Pipe or conduit to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes may be used:

A. Polyvinyl Chloride (PVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid-core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

3. Firestop System — The details of the firestop system shall be as follows:

A. Steel Collar — Collar fabricated from coils of precut min 0.017 in. (0.43 mm) thick (No. 28 MSG) galv steel available from the sealant manufacturer. Collar shall be nom 1-3/4 in. (44 mm) deep with 1 in. (25 mm) wide by 2 in. (51 mm) long anchors tabs on 2 in. (51 mm) centers for securement to floor and ceiling surfaces. The anchor tabs shall be bent 90 degree outward for securement to the floor and ceiling surfaces. The opposite side incorporates retainer tabs, 1/2 in. (13 mm) wide by 3/16 in. (5 mm) long, pretent toward the pipe surface. Collar shall be wrapped around pipe maintaining a 1 in. (25 mm) distance between pipe and collar, and overlapping min 1 in. (25 mm) at seam. Collar secure to subfloor with wood screws and washers at every other tab. Collar secured to gypsum board ceiling using 3/16 in. (5 mm) diam steel toggle bolts in conjunction with 1-1/4 in. (32 mm) diam steel fender washers at every other tab. After sealant is installed (Item 3B), the collars shall be compressed around the pipe using a 1/2 in. (13 mm) wide by 0.028 in. (0.7 mm) thick stainless steel band clamp fastened at the collar mid-height.
B. Fill, Void or Cavity Material* — Sealant — Fill material to be installed to completely fill the collar and provide a min 1/4 in. (6 mm) thickness in the annular spaces at the floor and ceiling.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 20, 2015

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

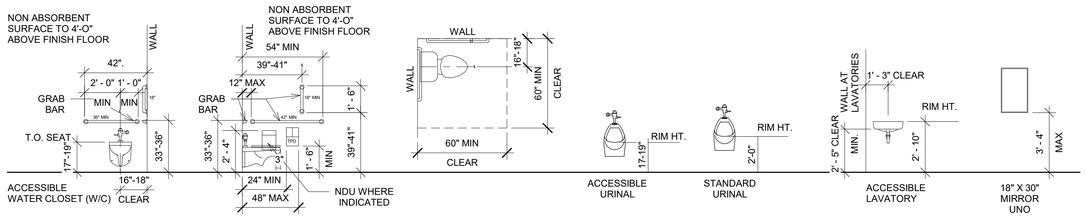
DATE

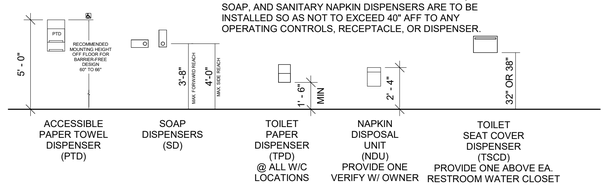
PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
FIRE PENETRATIONS

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

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-0.5



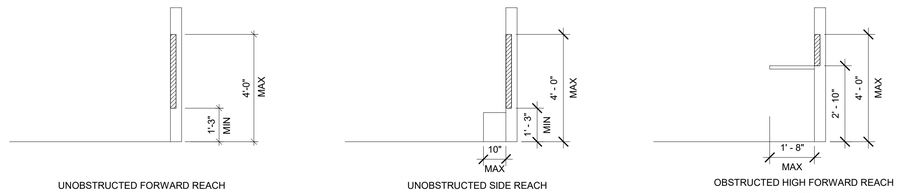


1. PROTECTION UNDER SINKS
606.6 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAINPIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

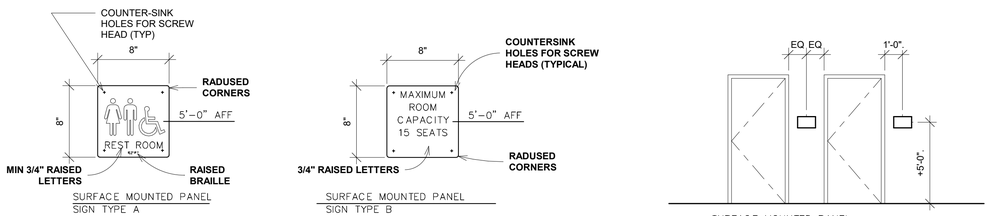
2. FLUSH CONTROLS
604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET. EXCEPTION: IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH SECTION 604.9, FLUSH CONTROLS SHALL BE PERMITTED TO BE LOCATED ON EITHER SIDE OF THE WATER CLOSET.

3. TOILET PAPER DISPENSER.
604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 309.4 AND SHALL BE 7 INCHES (180 mm) MINIMUM AND 9 INCHES (230 mm) MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES (380 mm) MINIMUM AND 48 INCHES (1220 mm) MAXIMUM ABOVE THE FLOOR, AND SHALL NOT BE LOCATED BEHIND THE GRAB BARS. DISPENCERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY, OR DO NOT ALLOW CONTINUOUS PAPER FLOW.

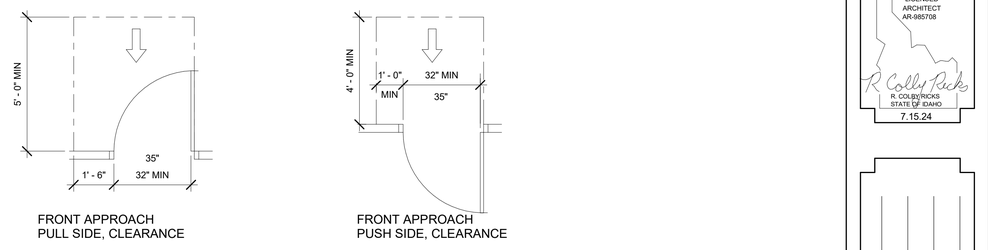
1 GENERAL- FIXTURE MOUNTING HEIGHTS
1/4" = 1'-0"

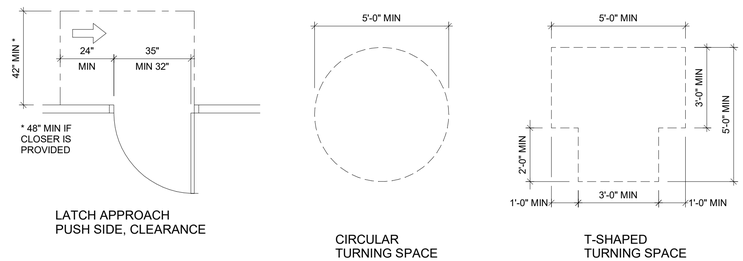


2 OPERABLE PARTS & REACH RANGES
3/8" = 1'-0"

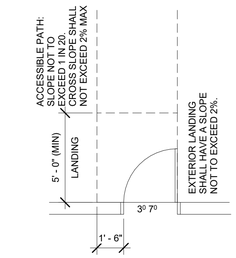


4 SIGNAGE - SIGNAGE TYPES
1 1/2" = 1'-0"

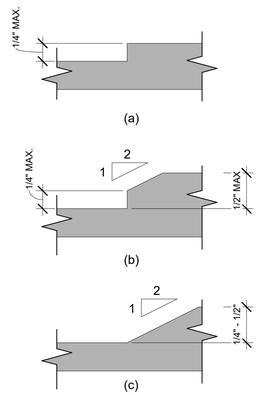




3 DOOR CLEARANCE REQUIREMENTS
3/8" = 1'-0"



5 ACCESSIBLE ENTRANCE
1/4" = 1'-0"



6 VERTICAL CHANGES IN LEVEL
12" = 1'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

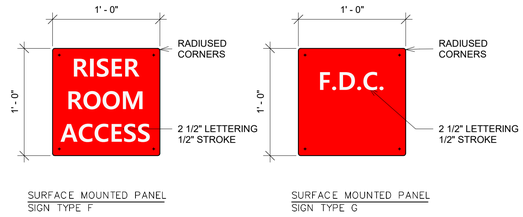
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
CODE REQUIREMENTS

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

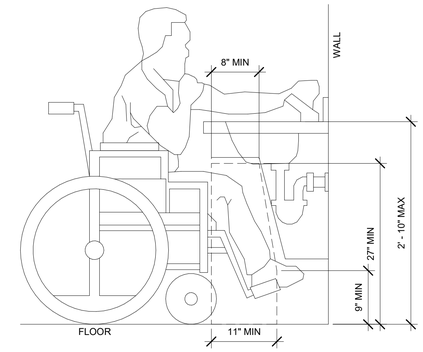
DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-0.6

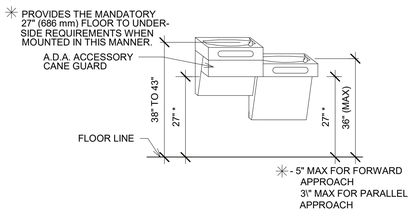


1. SHALL BE FABRICATED FROM .080 ALUMINUM SHEET WITH MIN. OF .75" RADIUS CORNERS
2. FONT STYLE IS HANDEL GOTHIC BT CAPITAL FONTS WITH ADDITIONAL KERNING BETWEEN LETTERS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (3990 SERIES VIP TYPE IX) APPLIED AS A BACKGROUND
4. LETTERING/GRAPHICS SHALL BE ONE OF THE FOLLOWING:
   A. 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.
   B. SCREEN PRINTED USING 3M 8801 SERIES TRAFFIC SIGN RED TRANSLUCENT INK
5. SIGNS USED IN BUILDING INTERIORS ARE NOT REQUIRED TO USE A REFLECTIVE BACKGROUND.
6. ALL SIGNAGE AND CHANGES MUST BE PRE-APPROVED BY THE FIRE MARSHAL

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



2 LAVATORY CLEARANCE
1" = 1'-0"



RECESSED FOUNTAINS:

1. WIHTIN ALCOVES MINIMUM 63" WIDE, MINIMUM 18" DEEP WHEN DOUBLE DRINKING FOUNTAINS ARE REQUIRED AND 32" MIN. CLR. WHEN A SINGLE FOUNTAIN IS PERMITTED

   A. CONTRACTOS SHALL COORDINATE WITH SIZE OF WATER FOUNTAIN TO BE USED AND SIZE ALCOVE ACCORDINGLY COMPLYING WITH REQUIREMENTS AND RECOMMENDATIONS AND COORDINATING WITH THE ARCHITECT.

PROJECTED FOUNTAINS:

1. WARNING FOR THE VISION IMPAIRED AT A PROJECTED DRINKING FOUNTAIN CAN BE PROVIDED BY EITHER OF THE FOLLOWING MEANS:

   A. THE SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN CAN BE OF CONTRASTING COLOR WITH TEXTURETHAT CONTRASTS IN RESILIENCY WITH THE ADJACENT FINISHED FLOOR MATERIAL, SO THAT IT CAN BE SENSED BY A CANE , WITH THE TEXTURE EXTENDING FROM THE WALL TO ONE FOOT BEYOND THE FRONT EDGE OF THE DRINKING FOUNTAIN AND ONE FOOT BEYOND EACH SIDE OF THE FOUNTAIN, OR
   B. INSTALL WING WALLS ON EACH SIDE OF THE DRINKING FOUNTAIN TO PROJECT OUT FROM THE MAIN WALL AT LEADT AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" OF THE PATH OF TRAVEL FLOOR FINISH. THERE MUST BE 32" CLEAR BETWEEN THE WING WALLS, OR
   C. INSTALL ADA ACCESSORY CANE GUARD

NOTE:

ILLUSTRATIONS SHOWN HERE ARE FOR DIMENSIONAL ACCESSIBILITY PURPOSES ONLY. A SECOND DRINKING FOUNTAIN SHOULD BE PROVIDED AT A MOUNTING HEIGHT SUITABLE TO PERSONS WITH LIMITED PHYSICAL BENDING ABILITY, ADJACENT TO THE ACCESSIBLE FOUNTAIN, MAINTAINING MINIMUM CLEARANCES NOTED AND AS REQUIRED. PROVIDE TEXTURED AREA OF CONTRASTING COLOR TO IDENTIFY WATER FOUNTAIN LOCATION AS NOTED. WHEN FOUNTAIN IS AT AN INTERIOR LOCATION, THE TEXTURED AREA SHALL ALSO BE DIFFERENT RESILIECY THAN THAT OF THE ADJACENT FLOOR SURFACE FINISH. SEE TYPICAL ACCESSIBILITY NOTES SHEET FOR ADDITIONAL REQUIREMENTS.

4 DRINKING FOUNTAIN DETAIL1
1/4" = 1'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

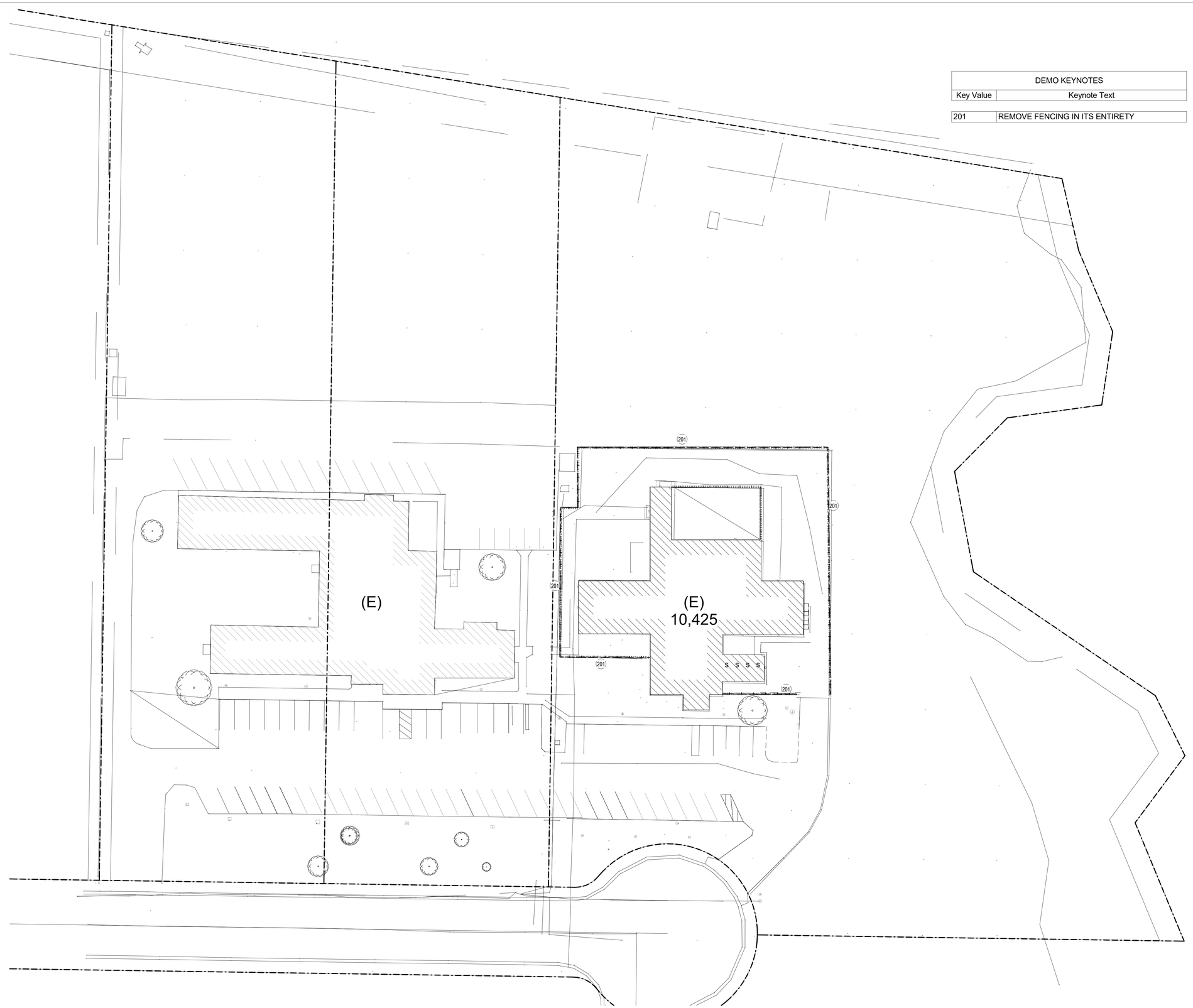
PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
CODE REQUIREMENTS

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

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-0.7

DEMO KEYNOTES	
Key Value	Keynote Text
201	REMOVE FENCING IN ITS ENTIRETY



1 PH 1 PART A - DEMO SITE
1" = 30'-0"

LICENSED
ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

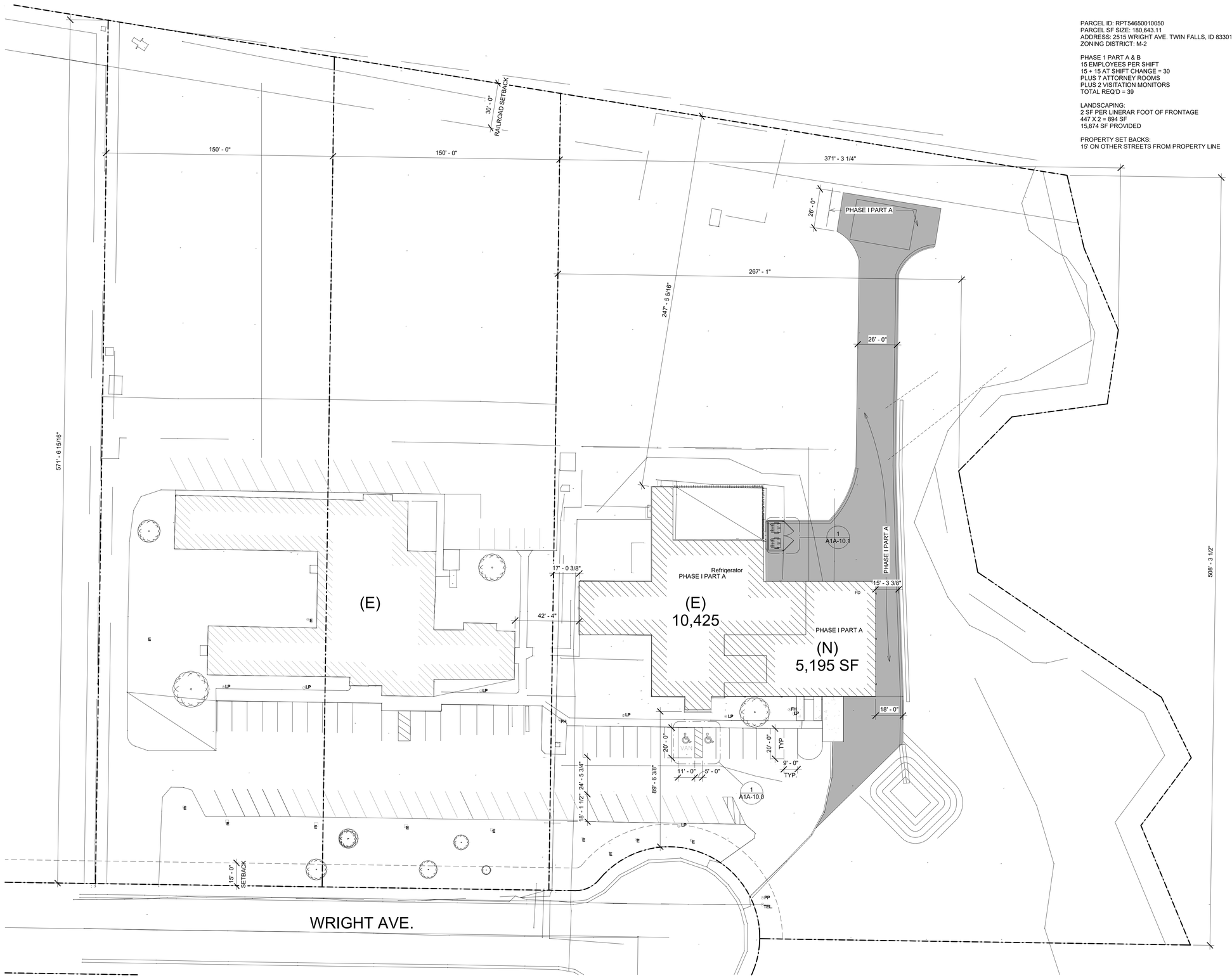
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A DEMO SITE PLAN

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

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-1.0



1 PH 1 PART A - REMODEL SITE
1" = 30'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

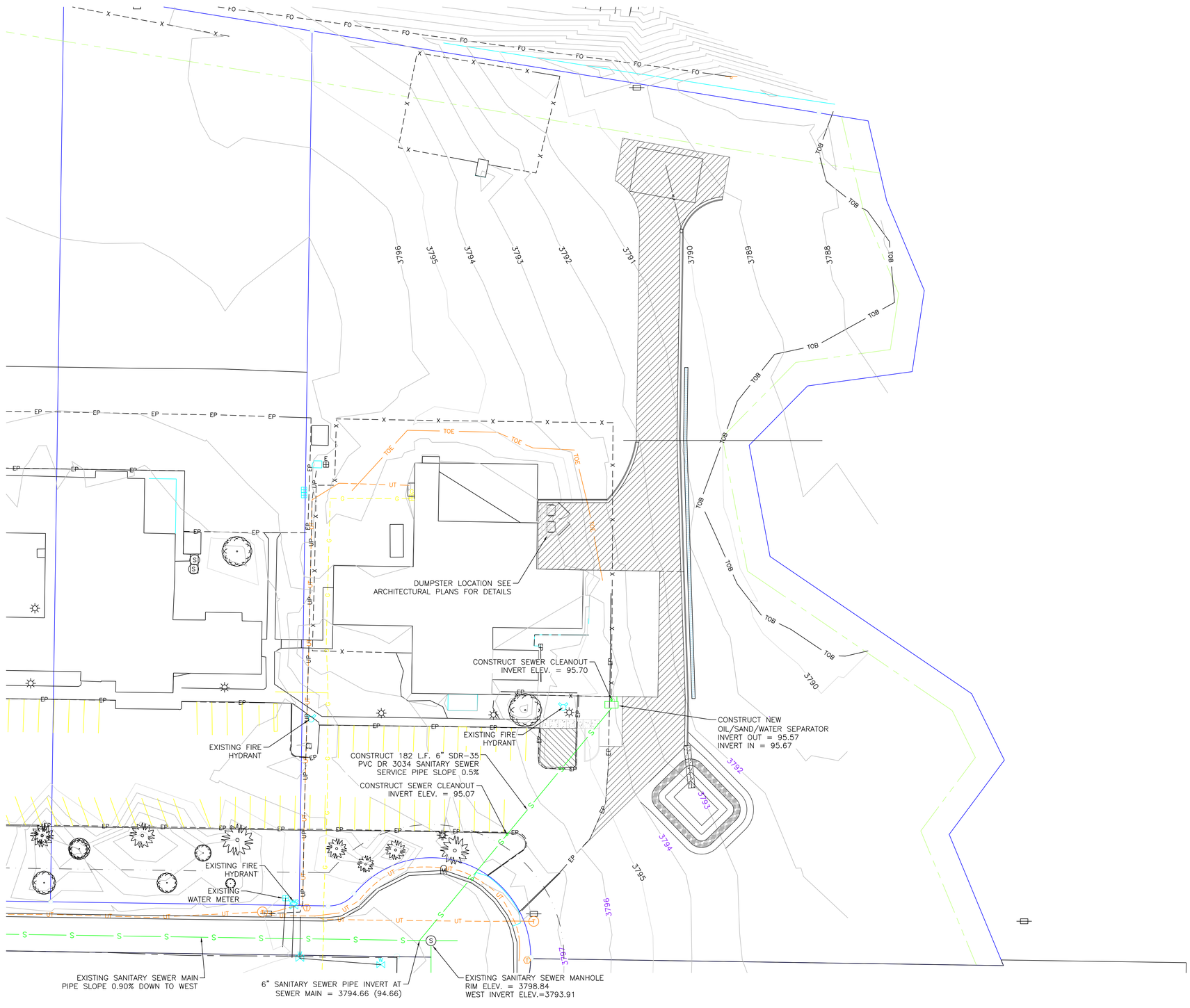
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave. Twin Falls, ID 83301
PH 1 PART A REMODEL SITE PLAN

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

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-1.1



0 30
15 60
SCALE: 1" = 30'
(SCALE ONLY VALID FOR 24" x 36" PAPER)

CivilScience
376 FALLS AVENUE
TWIN FALLS, ID 83301
208.737.0007

NO.	DESCRIPTION	BY	APPR.	DATE
	REVISION			

UTILITY PLAN
CIVIL ENGINEERING DRAWINGS

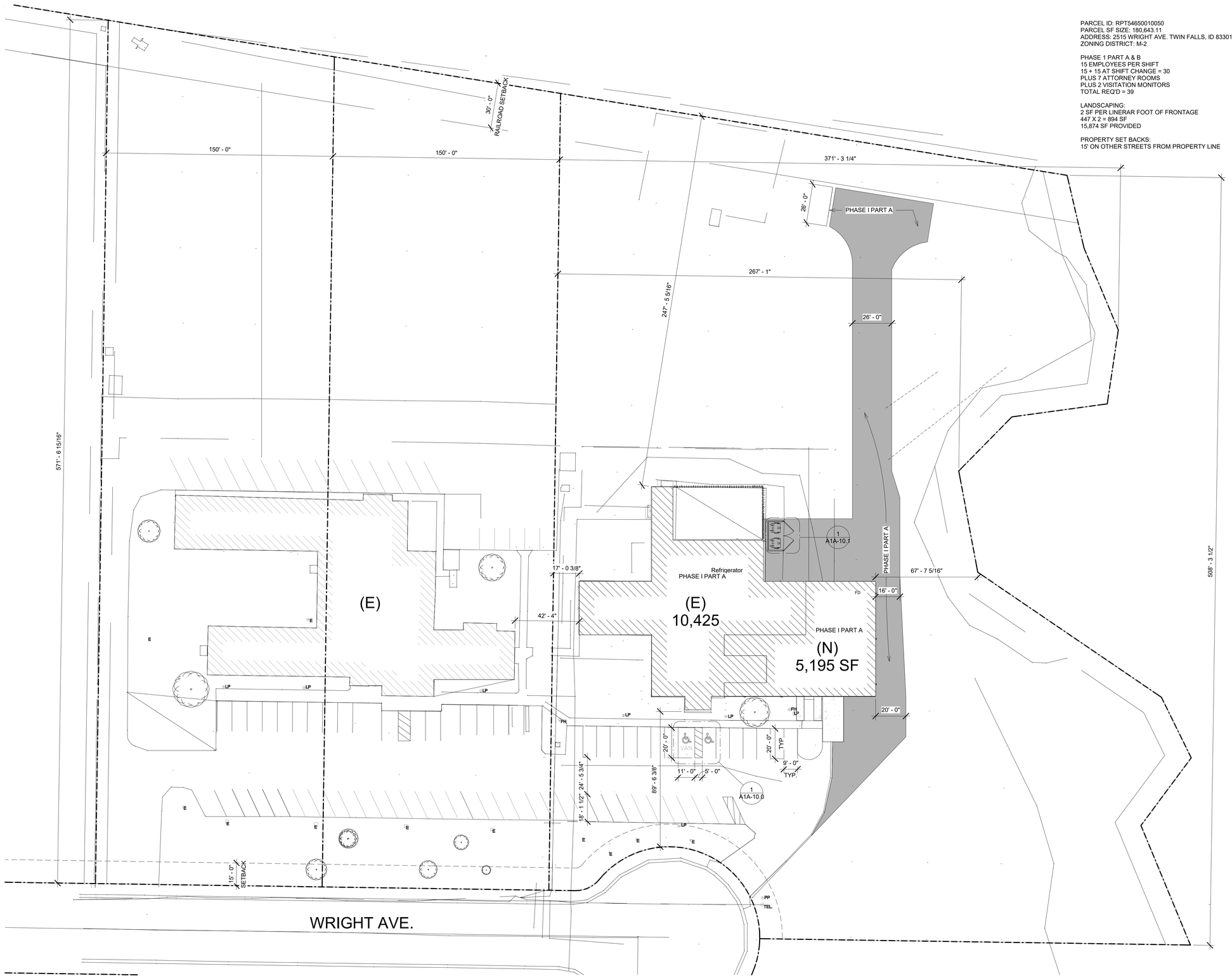
WRIGHT AVENUE JAIL
WRIGHT AVENUE
TWIN FALLS, IDAHO

PROFESSIONAL ENGINEER LICENSED JULY 19, 2024 STATE OF IDAHO STEPHEN ANDERSEN

FILE: TWFCO CIVIL PLAN 20240719
CSI PROJ. # : IF-24252.00
DRAWN BY: SRA
DESIGN BY: SRA
CHECKED BY: SRA
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 7/19/2024

SHEET NUMBER:
C-3

Plot Date:7/19/2024 10:24 AM Plotted By: Stephen Andersen
Date Created:7/19/2024 L:\IDAHO\PROJECTS\ACTIVE 2024\IF24252.00 - TWIN FALLS COUNTY JAIL ELDRIDGE AVE\700 - CAD\DESIGN\TWFCO CIVIL PLAN 20240719.DWG



1 PH 1 PART A - REMODEL SITE
1" = 30'-0"

LICENSED
ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

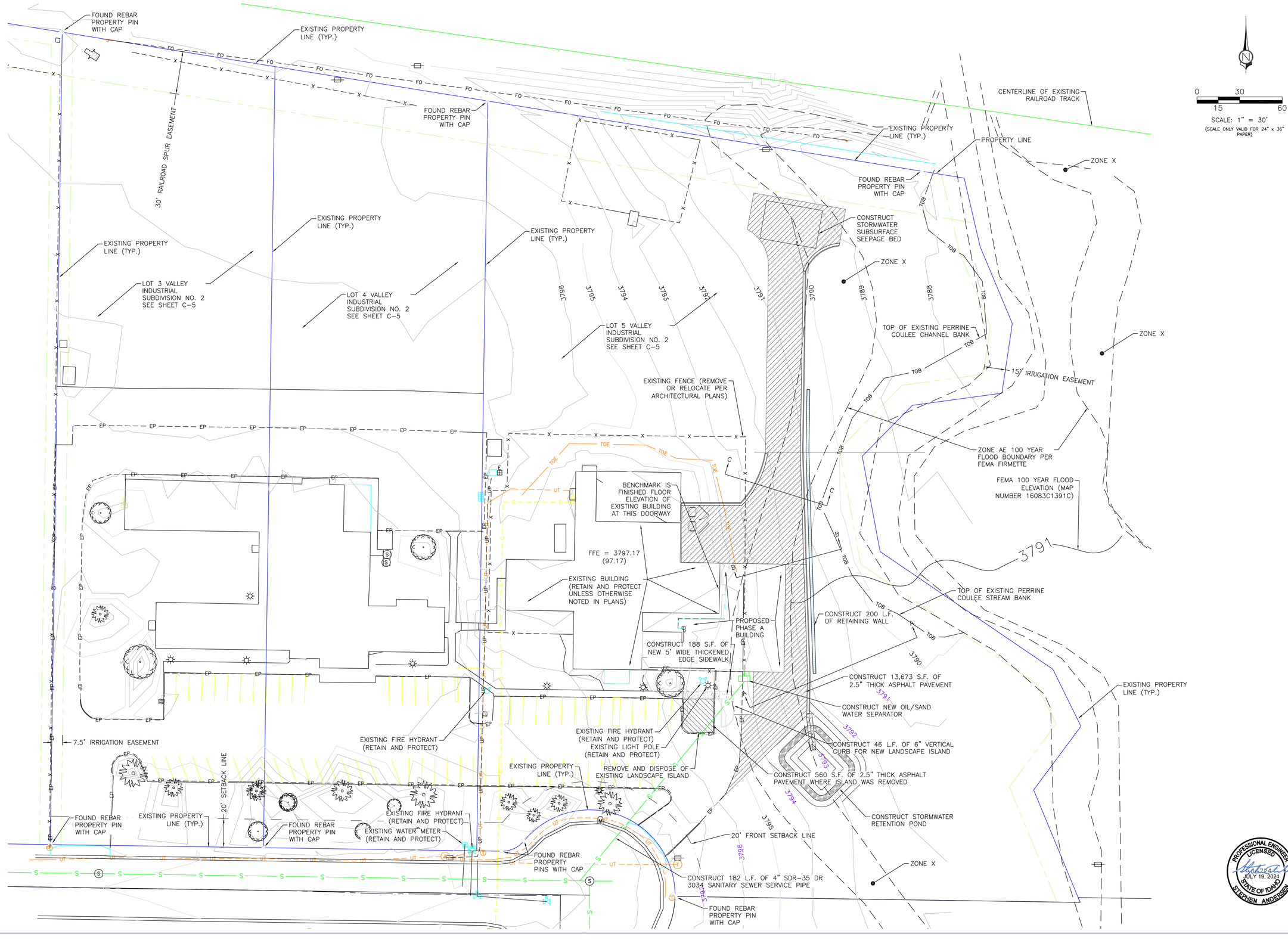
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave. Twin Falls, ID 83301
PH 1 PART A REMODEL SITE PLAN

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

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-1.1



CivilScience
376 FALLS AVENUE
TWIN FALLS, ID 83301
208.737.0007

NO.	DESCRIPTION	BY	APPR.	DATE
	REVISION			

SITE PLAN
CIVIL ENGINEERING DRAWINGS

WRIGHT AVENUE JAIL
WRIGHT AVENUE
TWIN FALLS, IDAHO

PROFESSIONAL ENGINEER LICENSED
JULY 19, 2024
STATE OF IDAHO
STEPHEN ANDERSEN

FILE: TWFCO CIVIL PLAN 20240719
CSI PROJ. #: IF-24252.00
DRAWN BY: SRA
DESIGN BY: SRA
CHECKED BY: SRA
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 7/19/2024

SHEET NUMBER:
C-1

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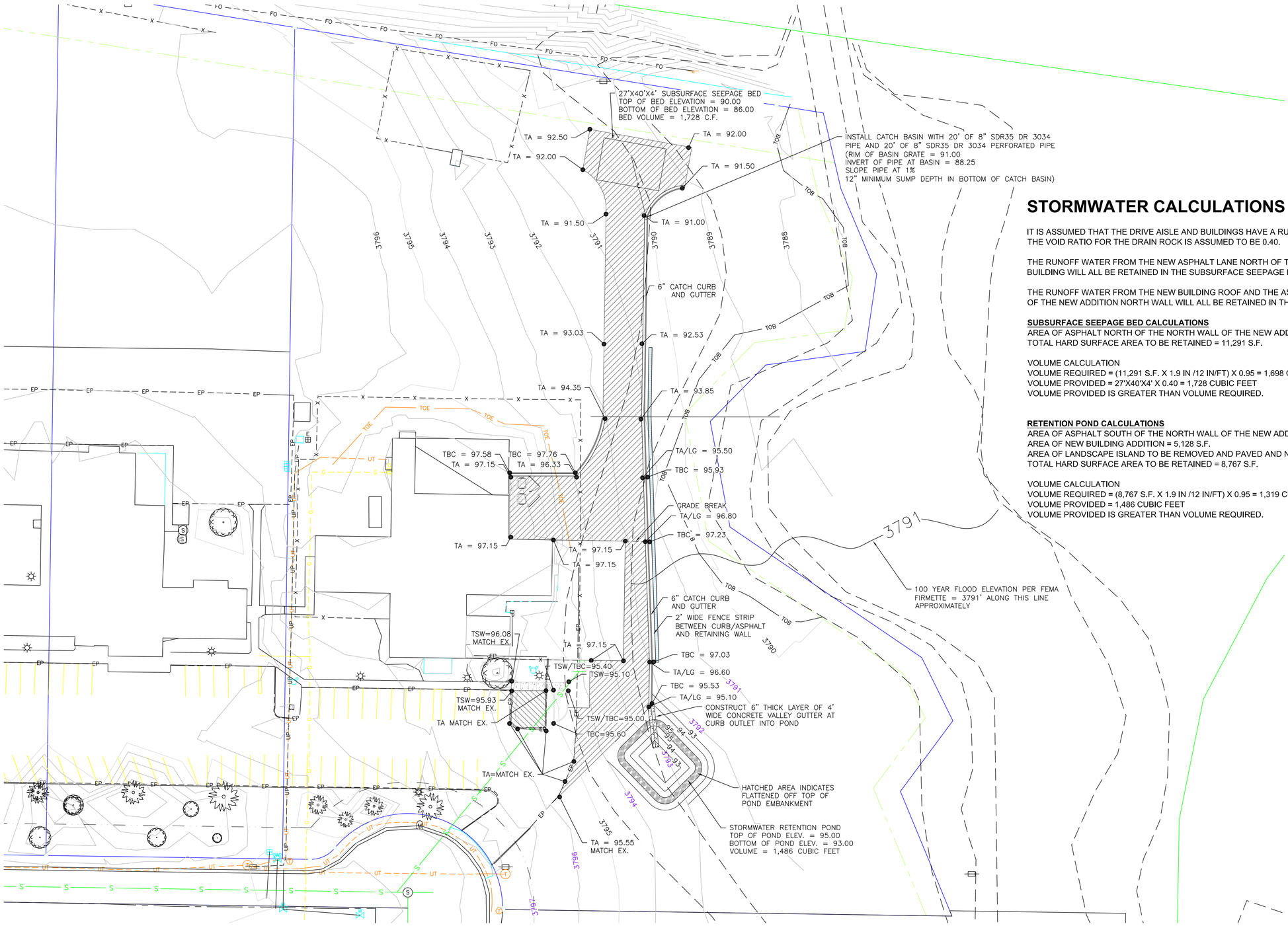
Date Created:7/19/2024 L:\IDAHO\PROJECTS\ACTIVE 2024\IF24252.00 - TWIN FALLS COUNTY JAIL ELDRIDGE AVE\700 - CAD\DESIGN\TWFCO CIVIL PLAN 20240719.DWG



0 30
15 60
SCALE: 1" = 30'
(SCALE ONLY VALID FOR 24" x 36" PAPER)

STORMWATER CALCULATIONS

IT IS ASSUMED THAT THE DRIVE AISLE AND BUILDINGS HAVE A RUNOFF COEFFICIENT OF 0.95. THE VOID RATIO FOR THE DRAIN ROCK IS ASSUMED TO BE 0.40.

THE RUNOFF WATER FROM THE NEW ASPHALT LANE NORTH OF THE NORTH WALL OF THE NEW BUILDING WILL ALL BE RETAINED IN THE SUBSURFACE SEEPAGE BED.

THE RUNOFF WATER FROM THE NEW BUILDING ROOF AND THE ASPHALT SOUTH OF THE NORTH WALL OF THE NEW ADDITION NORTH WALL WILL ALL BE RETAINED IN THE RETENTION POND.

SUBSURFACE SEEPAGE BED CALCULATIONS
AREA OF ASPHALT NORTH OF THE NORTH WALL OF THE NEW ADDITION = 11,291 S.F.
TOTAL HARD SURFACE AREA TO BE RETAINED = 11,291 S.F.

VOLUME CALCULATION
VOLUME REQUIRED = (11,291 S.F. X 1.9 IN /12 IN/FT) X 0.95 = 1,698 CUBIC FEET
VOLUME PROVIDED = 27'X40'X4' X 0.40 = 1,728 CUBIC FEET
VOLUME PROVIDED IS GREATER THAN VOLUME REQUIRED.

RETENTION POND CALCULATIONS
AREA OF ASPHALT SOUTH OF THE NORTH WALL OF THE NEW ADDITION = 2,981 S.F.
AREA OF NEW BUILDING ADDITION = 5,128 S.F.
AREA OF LANDSCAPE ISLAND TO BE REMOVED AND PAVED AND NEW SIDEWALK = 658 S.F.
TOTAL HARD SURFACE AREA TO BE RETAINED = 8,767 S.F.

VOLUME CALCULATION
VOLUME REQUIRED = (8,767 S.F. X 1.9 IN /12 IN/FT) X 0.95 = 1,319 CUBIC FEET
VOLUME PROVIDED = 1,486 CUBIC FEET
VOLUME PROVIDED IS GREATER THAN VOLUME REQUIRED.

CivilScience
376 FALLS AVENUE
TWIN FALLS, ID 83301
208.737.0007

NO.	DESCRIPTION	BY	APPR.	DATE
	REVISION			

GRADING PLAN
CIVIL ENGINEERING DRAWINGS

WRIGHT AVENUE JAIL
WRIGHT AVENUE
TWIN FALLS, IDAHO

PROFESSIONAL ENGINEER LICENSED
JULY 19, 2024
STATE OF IDAHO
STEPHEN ANDERSEN

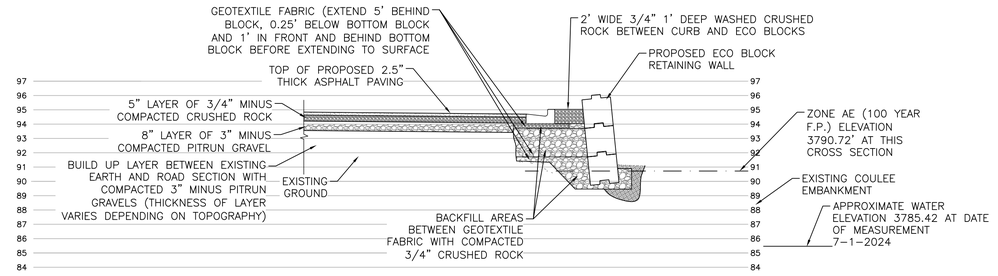
FILE: TWFCO CIVIL PLAN 20240719
CSI PROJ. # : IF-24252.00
DRAWN BY: SRA
DESIGN BY: SRA
CHECKED BY: SRA
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 7/19/2024

SHEET NUMBER:
C-2

Plot Date:7/19/2024 10:23 AM Plotted By: Stephen Andersen
Date Created:7/19/2024 L:\IDAHO\PROJECTS\ACTIVE 2024\IF24252.00 - TWIN FALLS COUNTY JAIL ELDRIDGE AVE\700 - CAD\DESIGN\TWFCO CIVIL PLAN 20240719.DWG

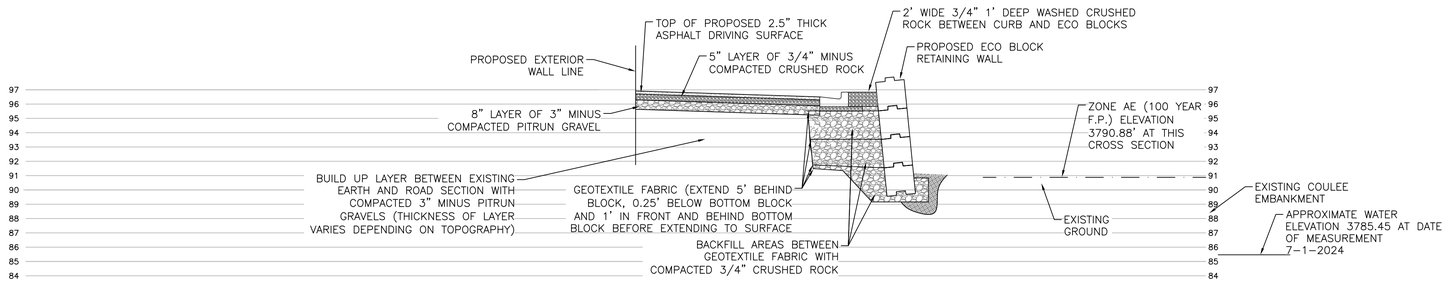
NOTES:

1. GEOTEXTILE FABRIC SHALL BE NONWOVEN TYPE III PER THE 2020 ISPWC DIVISION 2000 TABLE 3 SECTION 203
2. FILL BETWEEN GEOTEXTILE FABRIC SHALL BE COMPACTED TO 90% MODIFIED PROCTOR TO PREVENT BLOCKS FROM OVERTURNING DURING COMPACTION PROCESS.
3. 3/4" CRUSHED ROCK BACKFILL SHALL BE EXTENDED TO THE BOTTOM OF THE ASPHALT LAYER ALONG THE BLOCK RETAINING WALL.
4. CONCRETE BLOCKS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2.000 PSI.
5. GEOTEXTILE FABRIC SHALL EXTEND TO WITHIN 3" OF CREEKSIDE FACE OF THE RETAINING BLOCKS WHERE PLACED BETWEEN BLOCKS.
6. BLOCKS SHALL HAVE A MINIMUM DIMENSION OF 24"X24"X48".
7. TOP BLOCKS SHALL HAVE A FLAT LEVEL SURFACE.
8. BLOCKS SHALL HAVE INTERLOCKING SURFACES ON THE BOTTOM AND TOP OF EACH BLOCK EXCEPT FOR TOP LAYER OF BLOCKS WHICH SHALL HAVE A BOTTOM INTERLOCKING SLOT ONLY. (SUBMIT BLOCK DESIGN TO ENGINEER PRIOR TO PURCHASE OR INSTALLATION OF BLOCKS FOR ENGINEER'S APPROVAL)
9. FLOOD PLAIN ELEVATION AND LINEWORK WERE TAKEN FROM THE FEMA FIRM FLOOD INSURANCE RATE MAP PANEL 1391 OF 1650 (MAP NUMBER 16083C1391C) FLOOD MAP INFORMATION WAS OVERLAID USING GOOGLE EARTH IMAGERY AND LINING UP RAILROAD BRIDGES ADJACENT TO THE PROJECT SITE TO LOCATE MAP OVER EXISTING TOPOGRAPHY)



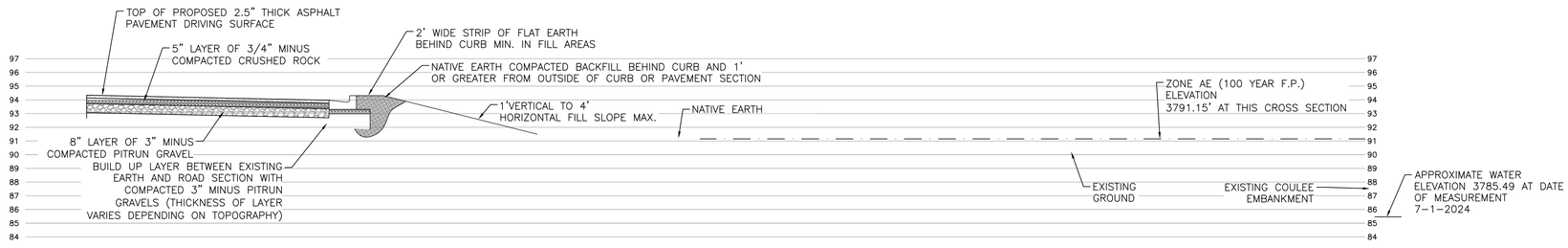
SECTION C—C

SCALE 1" = 5'



SECTION B—B

SCALE 1" = 5'



SECTION A—A

SCALE 1" = 5'

CivilScience
376 FALLS AVENUE
TWIN FALLS, ID 83301
208.737.0007

NO.	DESCRIPTION	BY	APPR.	DATE
	REVISION			

DETAILS
CIVIL ENGINEERING DRAWINGS

WRIGHT AVENUE JAIL
WRIGHT AVENUE
TWIN FALLS, IDAHO

PROFESSIONAL ENGINEER LICENSED STEPHEN ANDERSEN STATE OF IDAHO
JULY 19, 2024

FILE: TWFCO CIVIL PLAN 20240719
CSI PROJ. #: IF-24252.00
DRAWN BY: SRA
DESIGN BY: SRA
CHECKED BY: SRA
ONE INCH
AT FULL SIZE. IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 7/19/2024

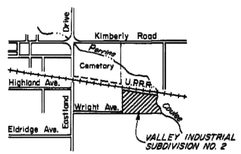
SHEET NUMBER:
C-4

Plot Date:7/19/2024 10:27 AM Plotted By: Stephen Andersen
Date Created:7/19/2024 I:\IDAHO\PROJECTS\ACTIVE 2024\IF24252.00 - TWIN FALLS COUNTY JAIL ELDRIDGE AVE\700 - CAD\DESIGN\TWFCO CIVIL PLAN 20240719.DWG

PLAT SHOWING 870514
VALLEY INDUSTRIAL SUBDIVISION NO. 2

A SUBDIVISION IN
THE NW1/4 SECTION 23, T. 10 S., R. 17 E., B.M.
TWIN FALLS, TWIN FALLS COUNTY, IDAHO
1984

SCALE 100 50 0 100 200 300 IN FEET

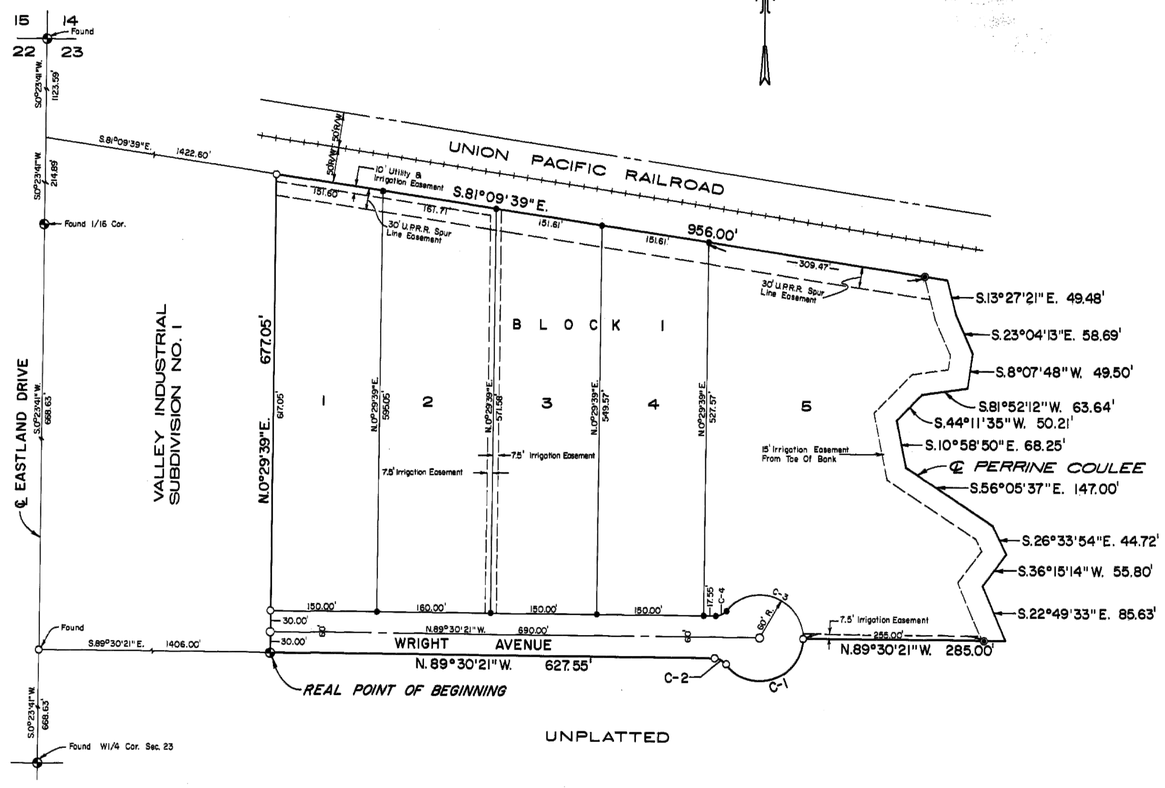


VICINITY SKETCH
2000 1000 0 2000
SCALE IN FEET

CURVE DATA

CURVE	R	Δ	T	L	CH. L.	CH. BEARING
C-1	60.00'	141°19'04"	170.94'	147.99'	113.23'	S.71°09'11"W.
C-2	20.00'	51°19'04"	9.61'	17.91'	17.32'	N.63°50'49"W.
C-3	60.00'	141°19'04"	170.94'	147.99'	113.23'	N.70°09'53"W.
C-4	20.00'	51°19'04"	9.61'	17.91'	17.32'	S.64°50'07"W.

N.



LEGEND

- Brass Cap
- 3/4"x 30" Steel Rebar
- 5/8"x 30" Steel Rebar
- 1/2" x 24" Steel Rebar
- Witness Corner (1/2"Steel Rebar)
- Public Utilities, Irrigation, and Drainage Easements As Noted.

NOTES

1. The South 20' Of The U.P.R.R. Spur Line Easement Is Reserved For A Spur Track And Not Designated For Utility Use.
2. There Is Hereby Reserved Along All Lot Frontages, Adjacent To Streets, A 5' Wide Easement For Public Utilities.

Valley Industrial #2 Book 13 Page 15

Twin Falls County, Idaho
Recorded for JUB ENG
09:00:00 am Nov.01,1984
0000-870514

J-U-B ENGINEERS, INC.
Engineers Surveyors Planners
Twin Falls, Idaho

SHEET 1 OF 2

CivilScience
376 FALLS AVENUE
TWIN FALLS, ID 83301
208.737.0007

NO.	DESCRIPTION	BY	APPR.	DATE
	REVISION			

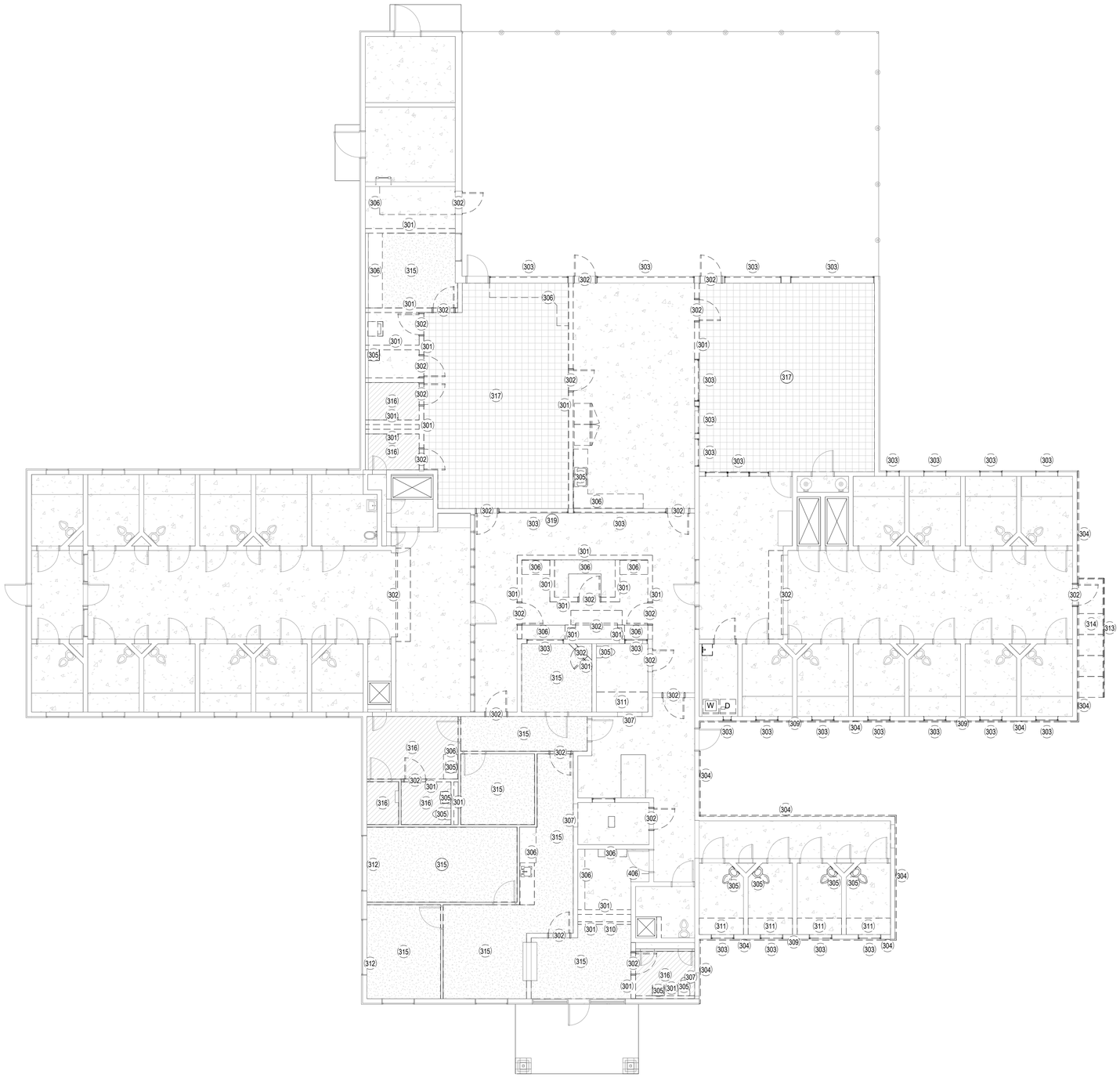
LAND PLAT
CIVIL ENGINEERING DRAWINGS

WRIGHT AVENUE JAIL
WRIGHT AVENUE
TWIN FALLS, IDAHO

PROFESSIONAL ENGINEER LICENSED JULY 19, 2024 STATE OF IDAHO STEPHEN ANDERSEN

FILE:	TWFCO CIVIL PLAN 20240719
CSI PROJ. #:	IF-24252.00
DRAWN BY:	SRA
DESIGN BY:	SRA
CHECKED BY:	SRA
	ONE INCH AT FULL SIZE. IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED:	7/19/2024

SHEET NUMBER:
C-5



1 PH 1 PART A DEMO FLOOR PLAN
1/8" = 1'-0"

DEMO KEYNOTES	
Key Value	Keynote Text
301	REMOVE WALL IN ITS ENTIRETY AS SHOWN BY DASHED LINES
302	REMOVE DOOR SYSTEM IN ITS ENTIRETY
303	REMOVE WINDOW SYSTEM IN ITS ENTIRETY
304	REMOVE STUCCO SYSTEM IN ITS ENTIRETY
305	REMOVE PLUMBING FIXTURE
306	REMOVE CASEWORK IN ITS ENTIRETY
307	REMOVE WALL AS REQUIRED FOR NEW DOOR, RELOCATE ANYTHING ON WALL AS REQUIRED, MODIFY BASE AS REQUIRED
309	REMOVE DOWNSPOUT AS REQUIRED TO DRAIN ONTO NEW ROOF
310	REMOVE LOCKERS
311	REMOVE CONCRETE BENCH IN ITS ENTIRETY
312	REMOVE WOOD PANELING IN ITS ENTIRETY
313	REMOVE RAILING IN ITS ENTIRETY
314	REMOVE STAIR IN ITS ENTIRETY
315	REMOVE CARPET IN ITS ENTIRETY
316	REMOVE SHEET VINYL IN ITS ENTIRETY
317	REMOVE VCT IN ITS ENTIRETY
319	
406	REMOVE HATCH IN ITS ENTIRETY

GENERAL DEMOLITION NOTES:

1. AT WALL REMOVAL, ALL ELECTRICAL MECH & PLUMBING SHALL BE CONSIDEREDINCIDENTAL & SHALL BE REMOVED AS PART OF DEMOLITION. ALSO SEE ELEC., MECH., &PLUMBING PLANS FOR OTHER NOTES OR REQUIREMENTS.
2. CONTRACTOR SHALL NOTIFY THE COUNTY OF DEMOLITION WORK BEFORE PROCEEDING W/ PROJECT DEMOLITION.
3. ALL HOLES, EMPTY ELECTRICAL BOXES, & CUT OFF PIPING THROUGH EXISTING FIRE WALLS & CORRIDOR SHALL BE FILLED & FIRE SEALED. ALSO, SEE MECH. DRAWINGS FOR ADDITIONAL REQ'MTS.
4. ALL WALLS OF PROJECT SHALL HAVE ALL SCREWS, FASTENERS, & MISC. REMOVED AND HOLES PATCHED & REPAIRED AS REQUIRED FOR NEW FINISHES.
5. ALL NEW & EXIST'G METAL DOORS & WINDOW FRAMES SHALL BE PAINTED. SEE PAINT & COATING SPECIFICATIONS.
6. ALL POINTS OF WORK OF REMODEL SHALL BE BLENDED TO MATCH EXIST'G SURFACES & FINISH. DUE TO DEMOLITION WORK AFFECTING NEARBY BUILDING TENANTS SPACES, THE CONTRACTOR WILL BE RESPONSIBLE TO SCHEDULE WEEKLY MEETINGS WITH HIS SUBCONTRACTORS & PROJECT COORDINATOR BOB BEER T.F. COUNTY TO COORDINATE WORK TO BE SCHEDULE THAT WEEK.
7. CONTRACTOR WILL BE RESPONSIBLE FOR ANY REQUIRED REMOVAL OF CEILING, GRID, ETC. NECESSARY TO ACCESS WORK AREAS AND REINSTALL SUCH REMOVAL. CONTRACTOR SHALL REPLACE ANY DAMAMGED OR SOILED MATERIALS AT CONTRACTORS OWN EXPENSE.
8. ALL POINTS OF WORK OF REMODEL SHALL BE BLENDED TO MATCH EXIST'G SURFACES & FINISH.

CONSTRUCTION WASTE:

1. BEFORE ANY CONSTRUCTION WASTE IS REMOVED FROM THE PROJECT ALL ROUTES BEGINNING FROM THE STAGING AREA TO THE TENANT IMPROVEMENT AREA SHALL BE PROTECTED IN PLACE.
2. ALL DEBRIS MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER.

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

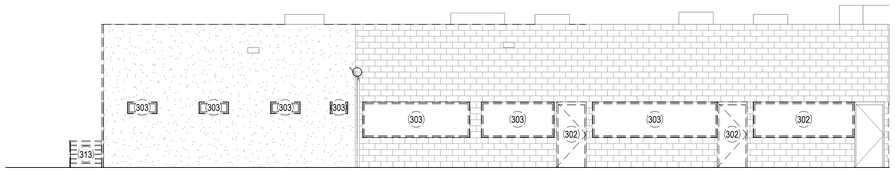
PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A DEMO FLOOR PLAN

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

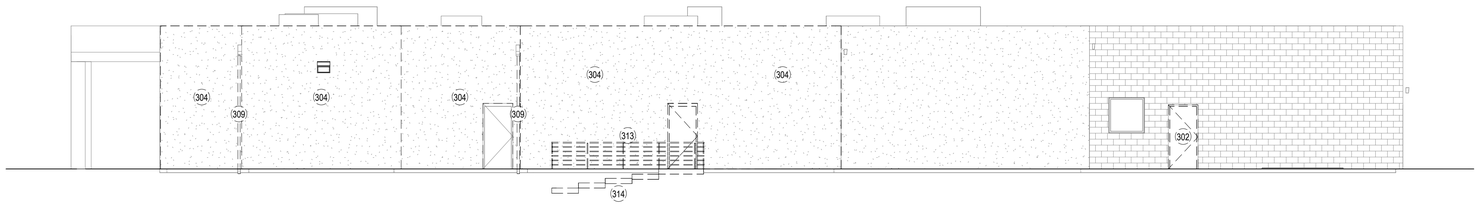
DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-1.2

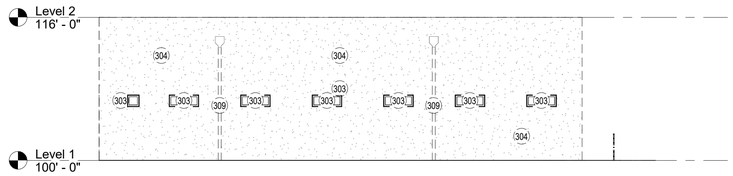
DEMO KEYNOTES	
Key Value	Keynote Text
302	REMOVE DOOR SYSTEM IN ITS ENTIRETY
303	REMOVE WINDOW SYSTEM IN ITS ENTIRETY
304	REMOVE STUCCO SYSTEM IN ITS ENTIRETY
309	REMOVE DOWNSPOUT AS REQUIRED TO DRAIN ONTO NEW ROOF
313	REMOVE RAILING IN ITS ENTIRETY
314	REMOVE STAIR IN ITS ENTIRETY



1 PH 1 PART A DEMO NORTH
1/8" = 1'-0"



2 PH 1 PART A DEMO EAST 3
1/8" = 1'-0"



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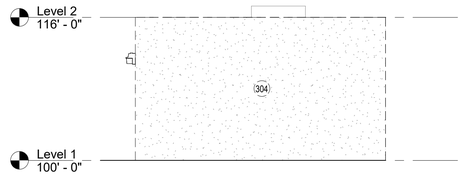
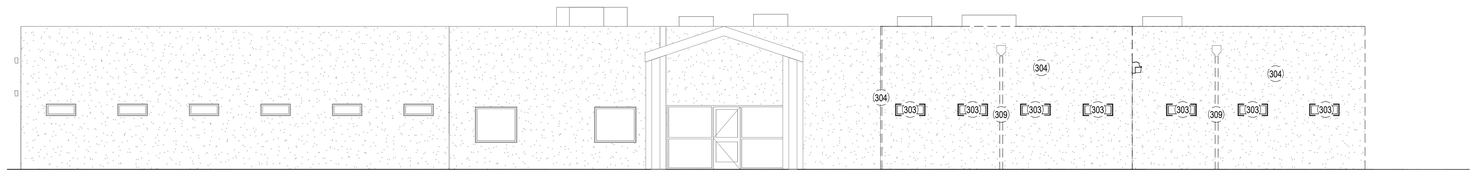
1/8" = 1'-0"



4 PH 1 PART A DEMO NORTH 2
1/8" = 1'-0"



5 PH 1 PART A DEMO SOUTH 3
1/8" = 1'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

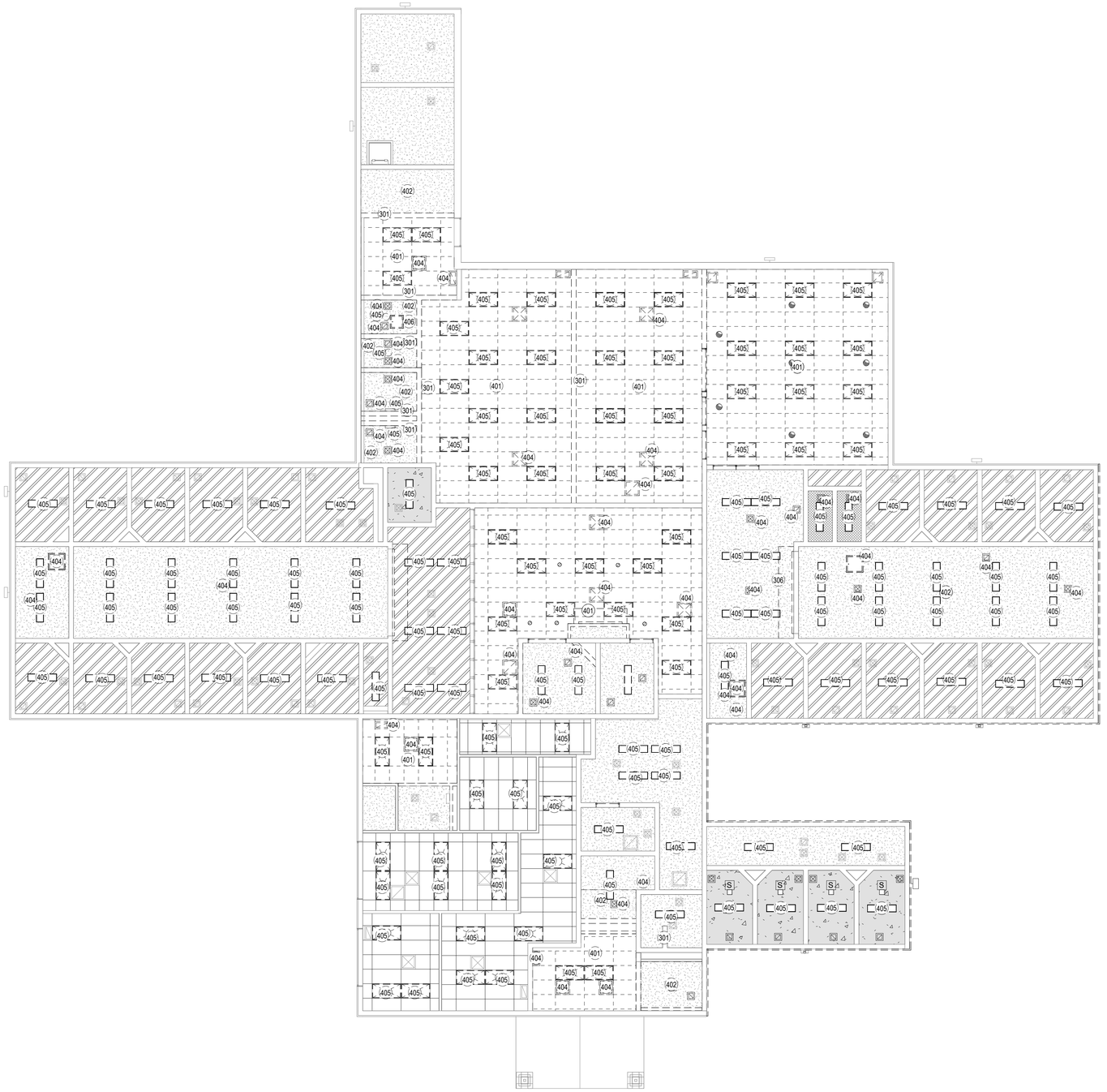
PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A DEMO ELEVATIONS

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

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-1.3

DEMO KEYNOTES	
Key Value	Keynote Text
301	REMOVE WALL IN ITS ENTIRETY AS SHOWN BY DASHED LINES
306	REMOVE CASEWORK IN ITS ENTIRETY
401	REMOVE 2X4 ACT GRID IN ITS ENTIRETY
402	REMOVE GYP BD CEILING
404	REMOVE MECHANICAL FIXTURE - REFER TO MECHANICAL DRAWINGS
405	REMOVE LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS
406	REMOVE HATCH IN ITS ENTIRETY



1 PH 1 PART A DEMO RCP
1/8" = 1'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A DEMO CEILING PLAN

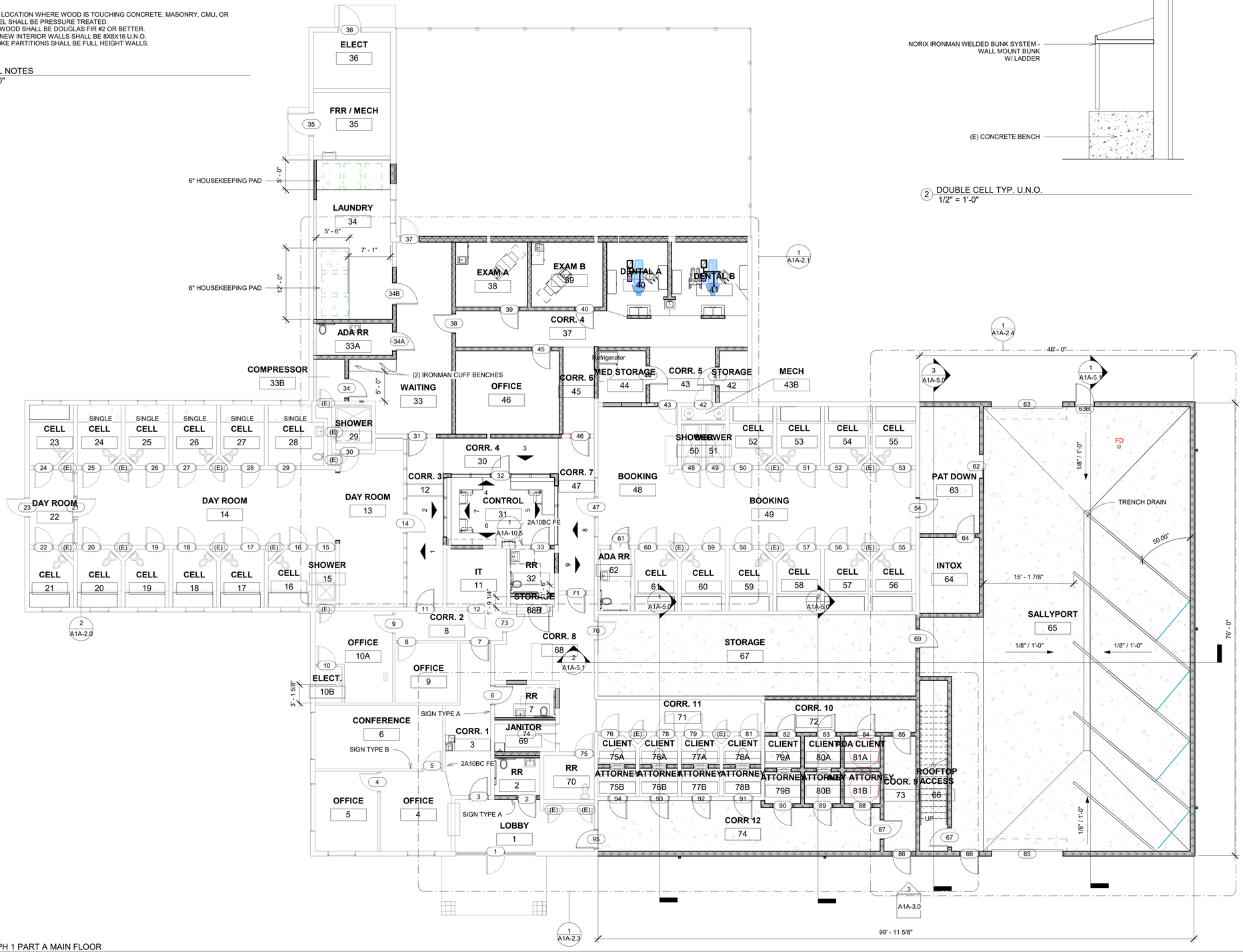
Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East, * Twin Falls, Idaho 83301
(208) 736-8050

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-1.5

1. ANY LOCATION WHERE WOOD IS TOUCHING CONCRETE, MASONRY, CMU, OR STEEL SHALL BE PRESSURE TREATED.
2. ALL WOOD SHALL BE DOUGLAS FIR #2 OR BETTER.
3. ALL NEW INTERIOR WALLS SHALL BE 8X8X16 U.N.O.
4. SMOKE PARTITIONS SHALL BE FULL HEIGHT WALLS.

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



1 PH 1 PART A MAIN FLOOR
1/8" = 1'-0"

2 DOUBLE CELL TYP. U.N.O.
1/2" = 1'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A FLOOR PLAN

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

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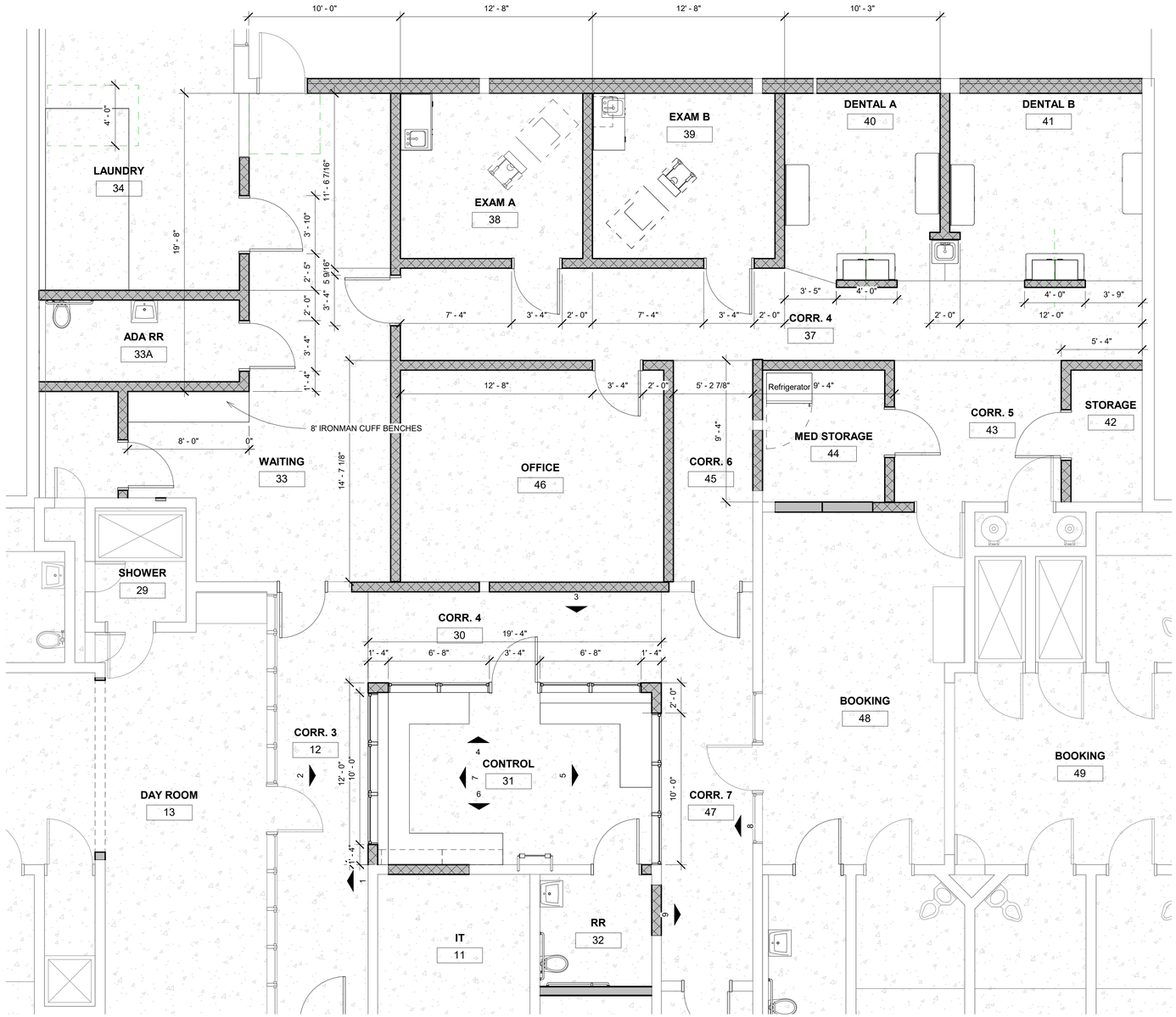
#23029 PROJECT #

A1A-2.0



1 PH 1 PART A ENLARGED FLOOR - MEDICAL & CONTROL
1/4" = 1'-0"

7.15.24

DATE

PHASE 1 PART A FOR:

TWIN FALLS COUNTY - WRIGHT AVE JAIL

2515 Wright Ave, Twin Falls, ID 83301

ENLARGED FLOOR PLANS

Laughlin Ricks Architecture
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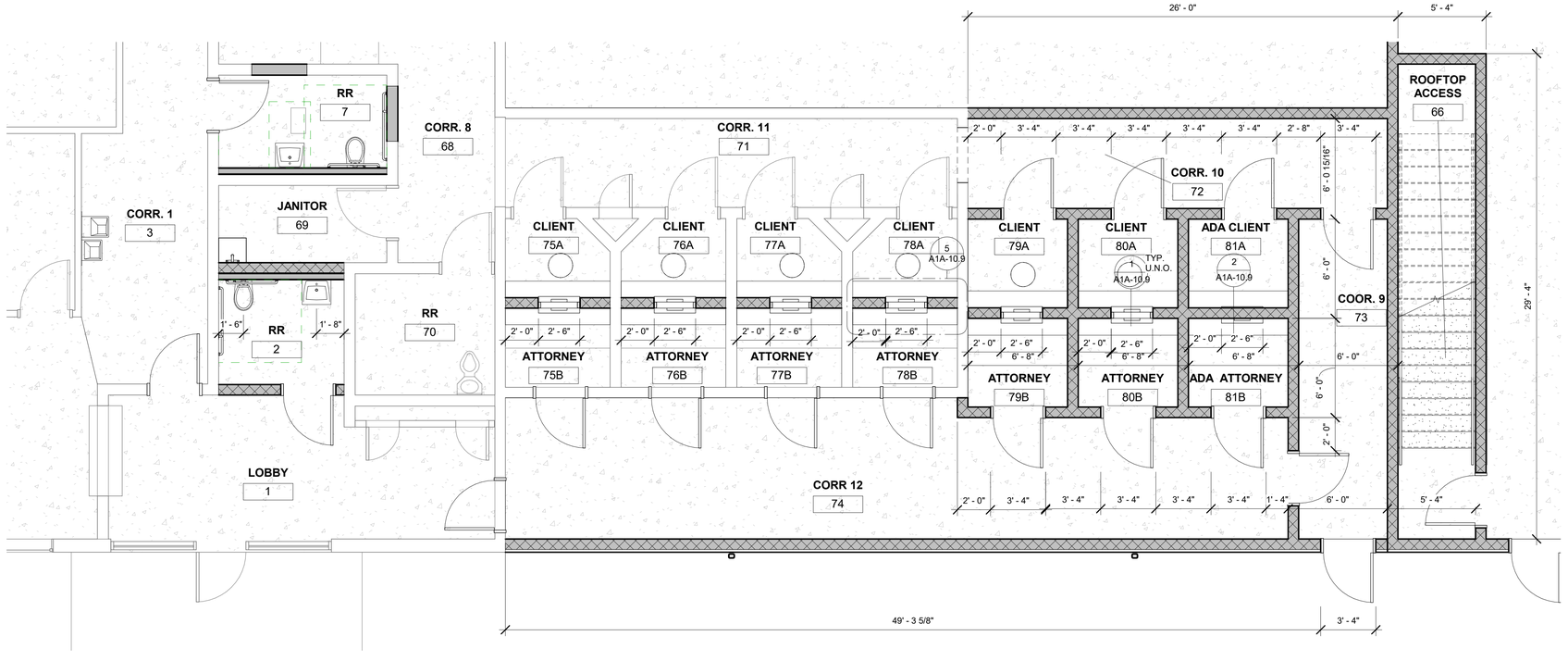
#23029 PROJECT #

A1A-2.1



1 PH 1 PART A MAIN FLOOR - Callout 1
1/4" = 1'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
ENLARGED FLOOR PLAN

Laughlin Ricks Architecture
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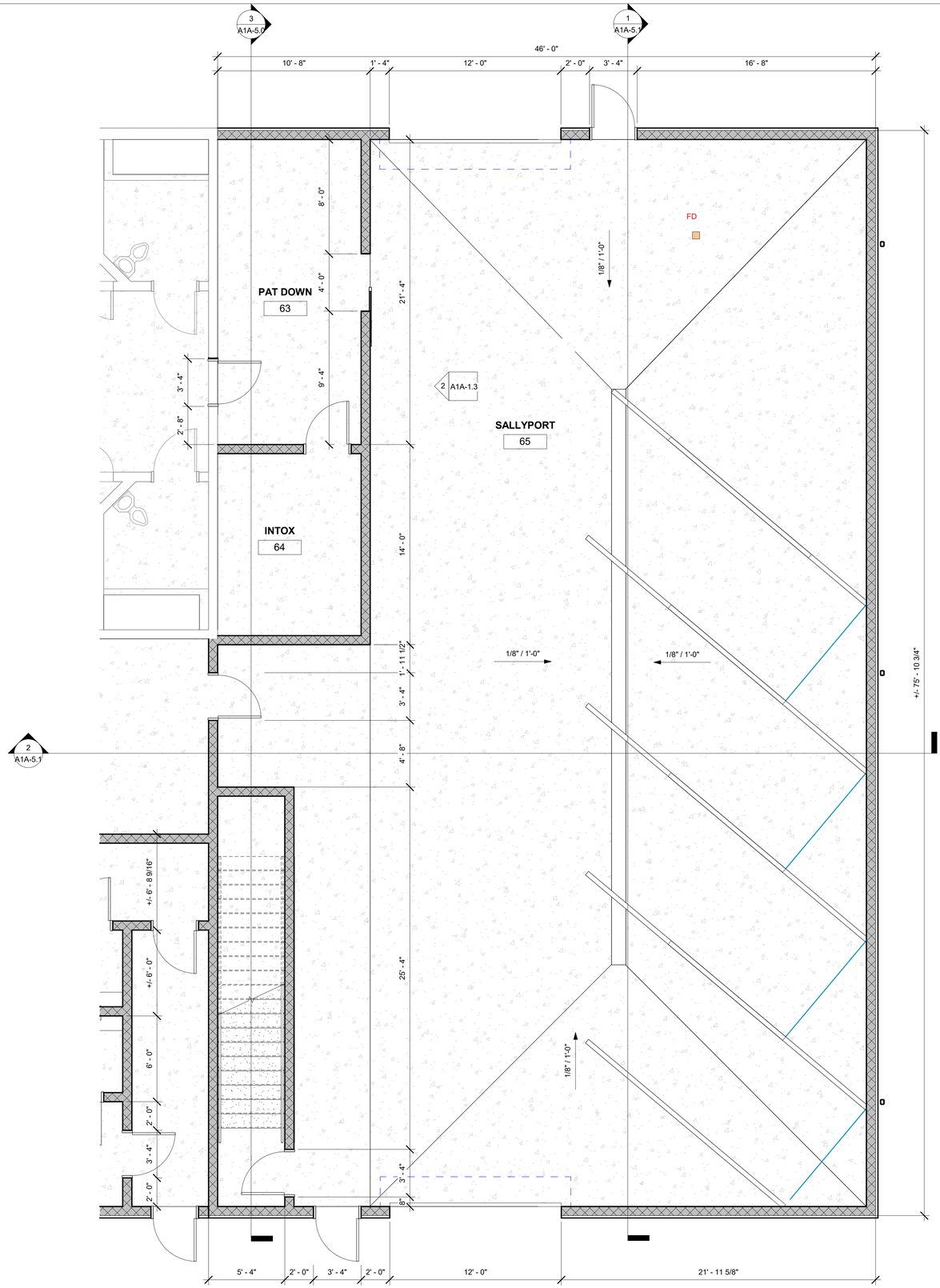
A1A-2.3



1 PH 1 PART A MAIN FLOOR - Callout 3
1/4" = 1'-0"

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R. COLBY RICKS
STATE OF IDAHO
7.15.24

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
ENLARGED FLOOR PLAN

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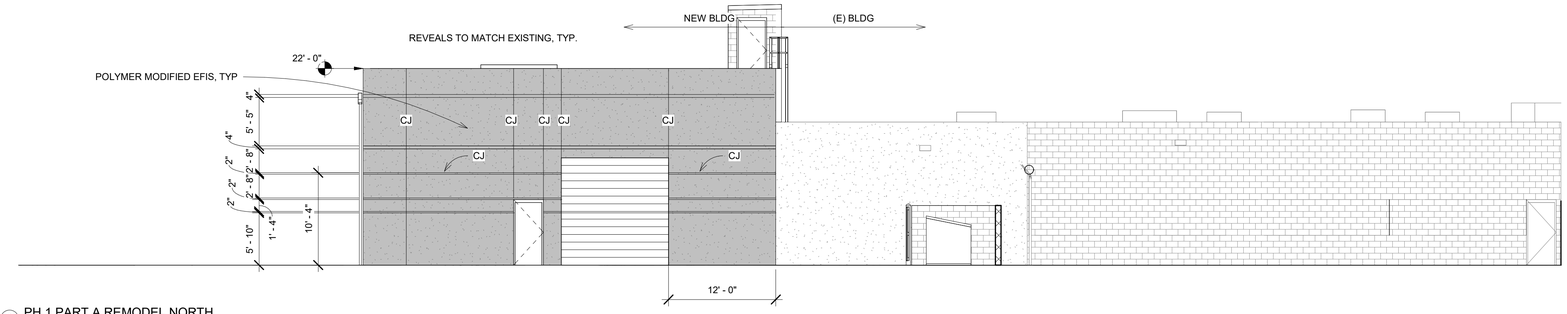
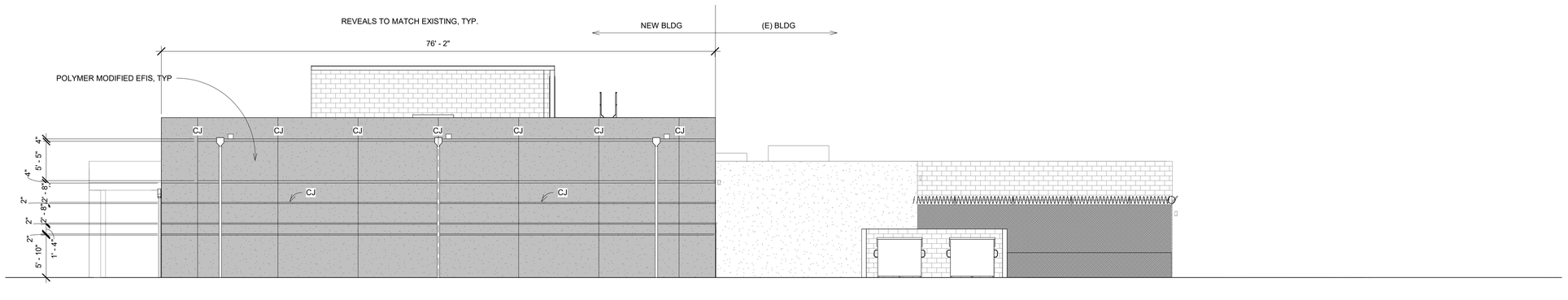
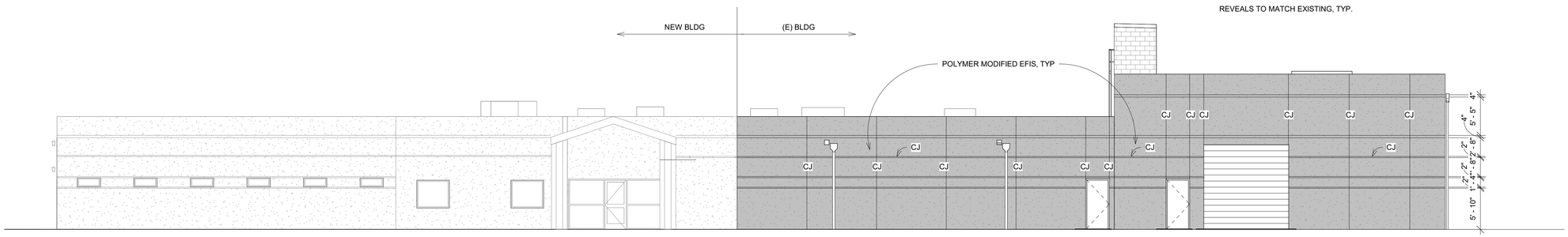
A1A-2.4



1 PH 1 PART A REMODEL NORTH
1/8" = 1'-0"



2 PH 1 PART A EAST
1/8" = 1'-0"



3 PH 1 PART A REMODEL SOUTH
1/8" = 1'-0"

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A EXTERIOR ELEVATIONS

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architecture/planning
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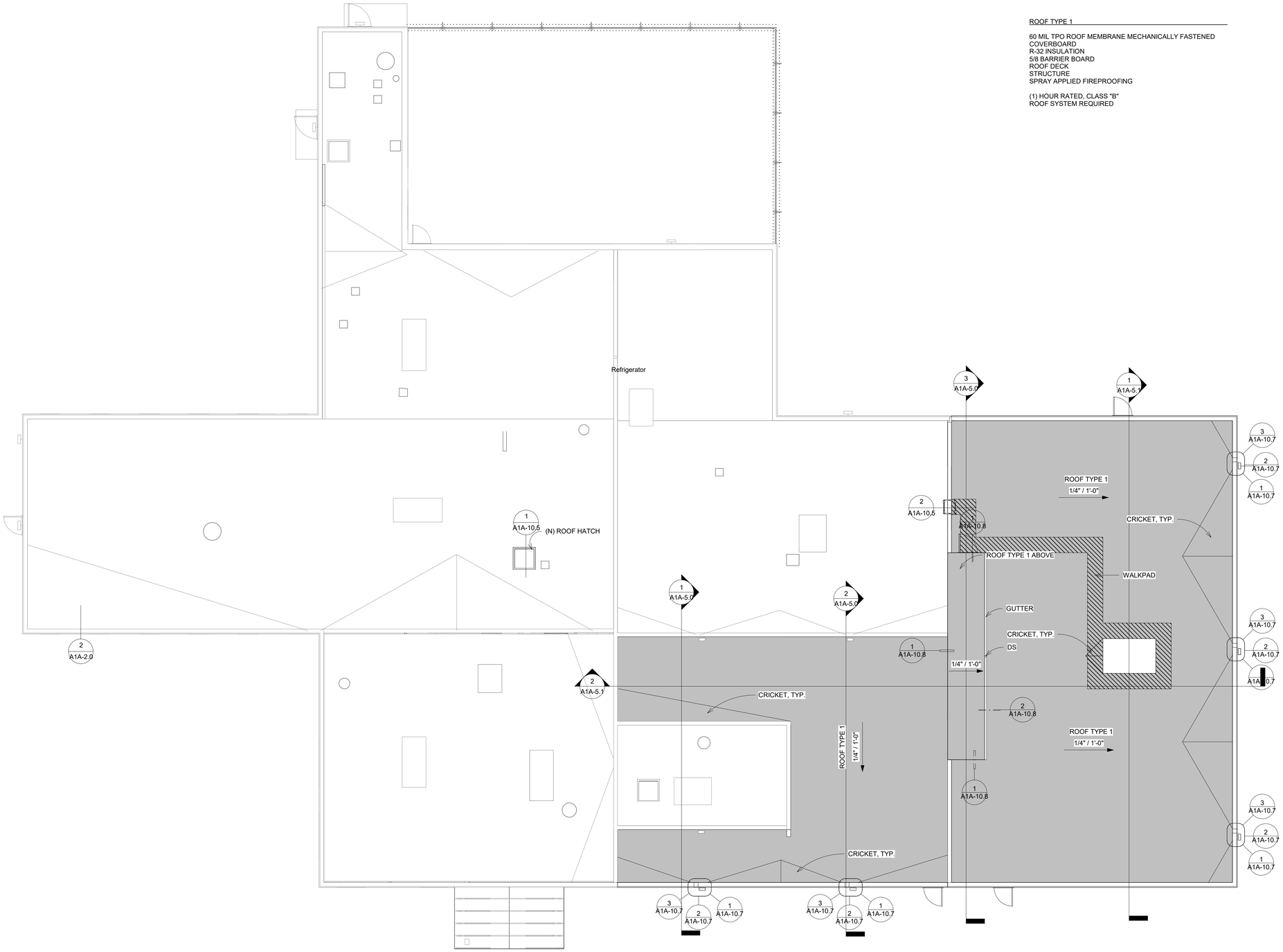
A1A-3.0

ROOF TYPE 1

60 MIL TPO ROOF MEMBRANE MECHANICALLY FASTENED
COVERBOARD
R-32 INSULATION
5/8 BARRIER BOARD
ROOF DECK
STRUCTURE
SPRAY APPLIED FIREPROOFING

(1) HOUR RATED, CLASS "B"
ROOF SYSTEM REQUIRED



1 PH 1 PART A ROOF PLAN
1/8" = 1'-0"

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7.15.24

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A ROOF PLAN

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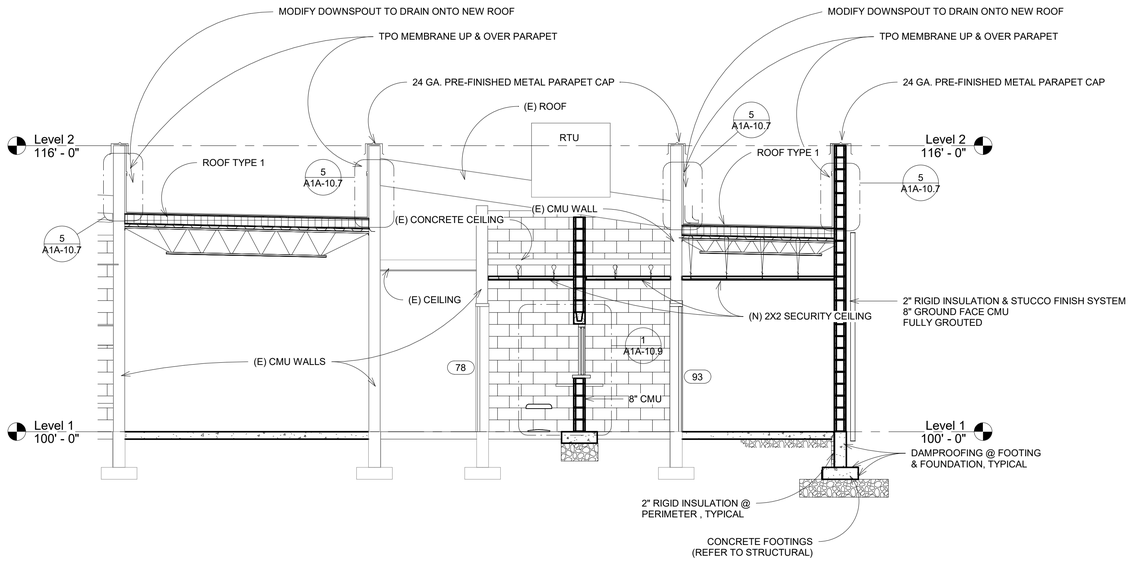
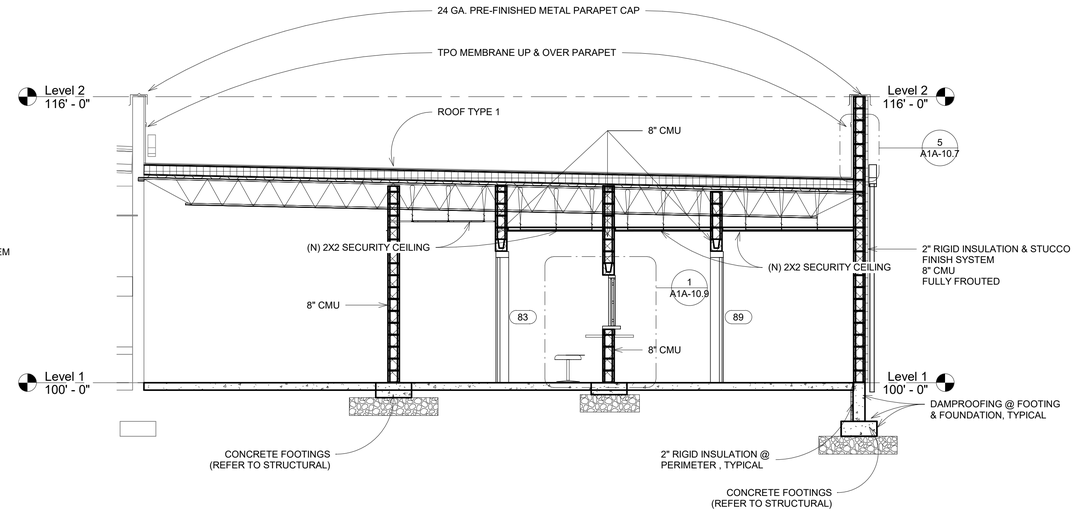
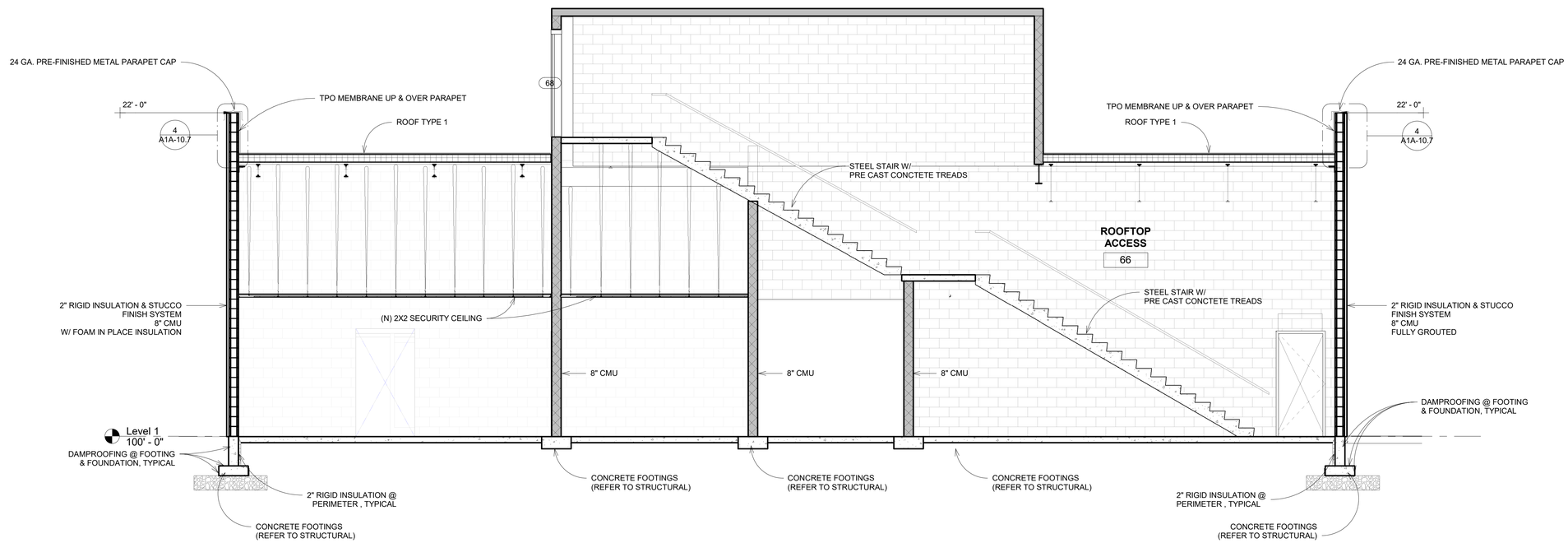
A1A-4.0



1 PH 1 PART A SECTION 1
1/4" = 1'-0"



2 PH 1 PART A SECTION 2
1/4" = 1'-0"



3 PH 1 PART A SECTION 3
1/4" = 1'-0"

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A BUILDING SECTIONS

Laughlin Ricks Architecture
architecture/planning
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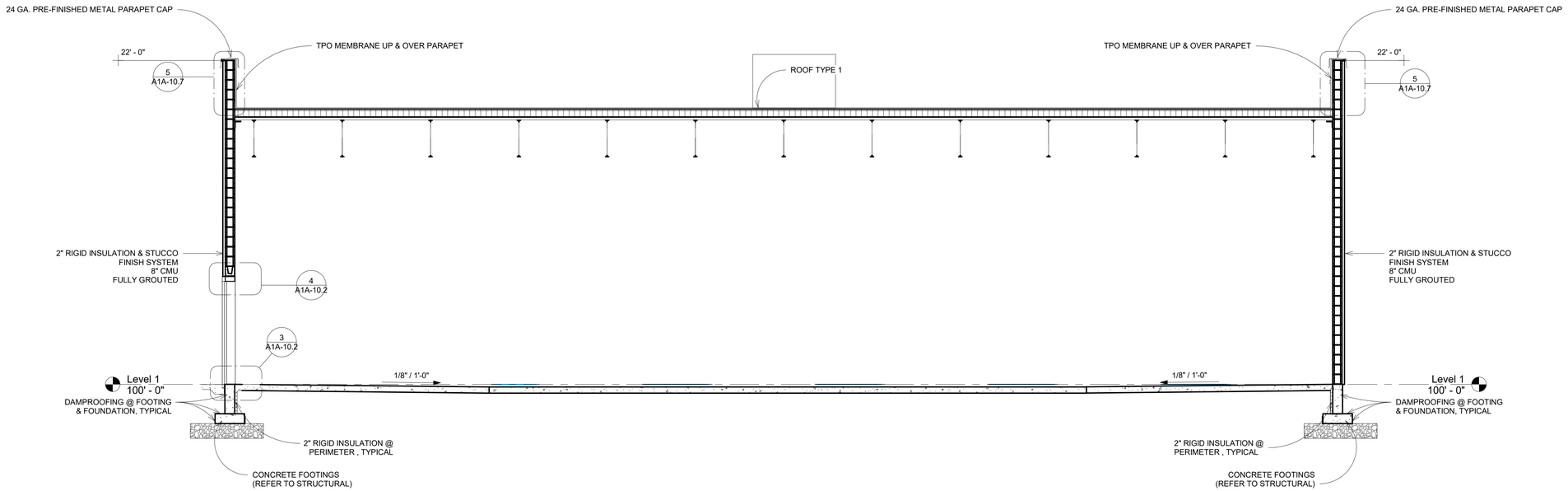
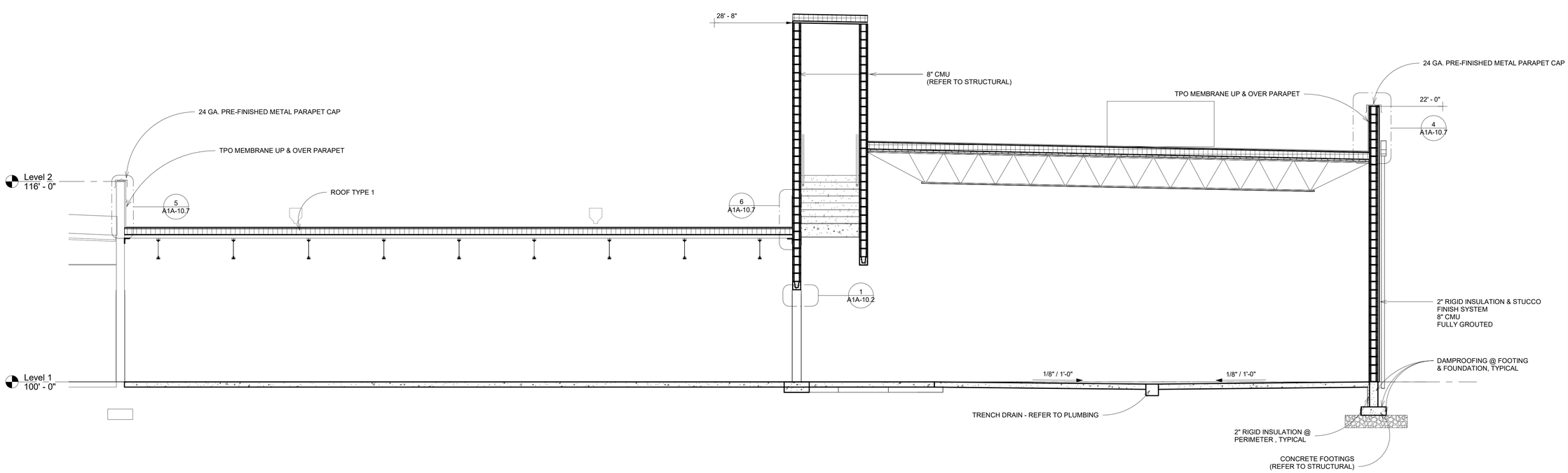


1 PH 1 PART A SECTION 4
1/4" = 1'-0"



2 PH 1 PART A SECTION 5
1/4" = 1'-0"

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A BUILDING SECTIONS

Laughlin Ricks Architecture
architecture/planning
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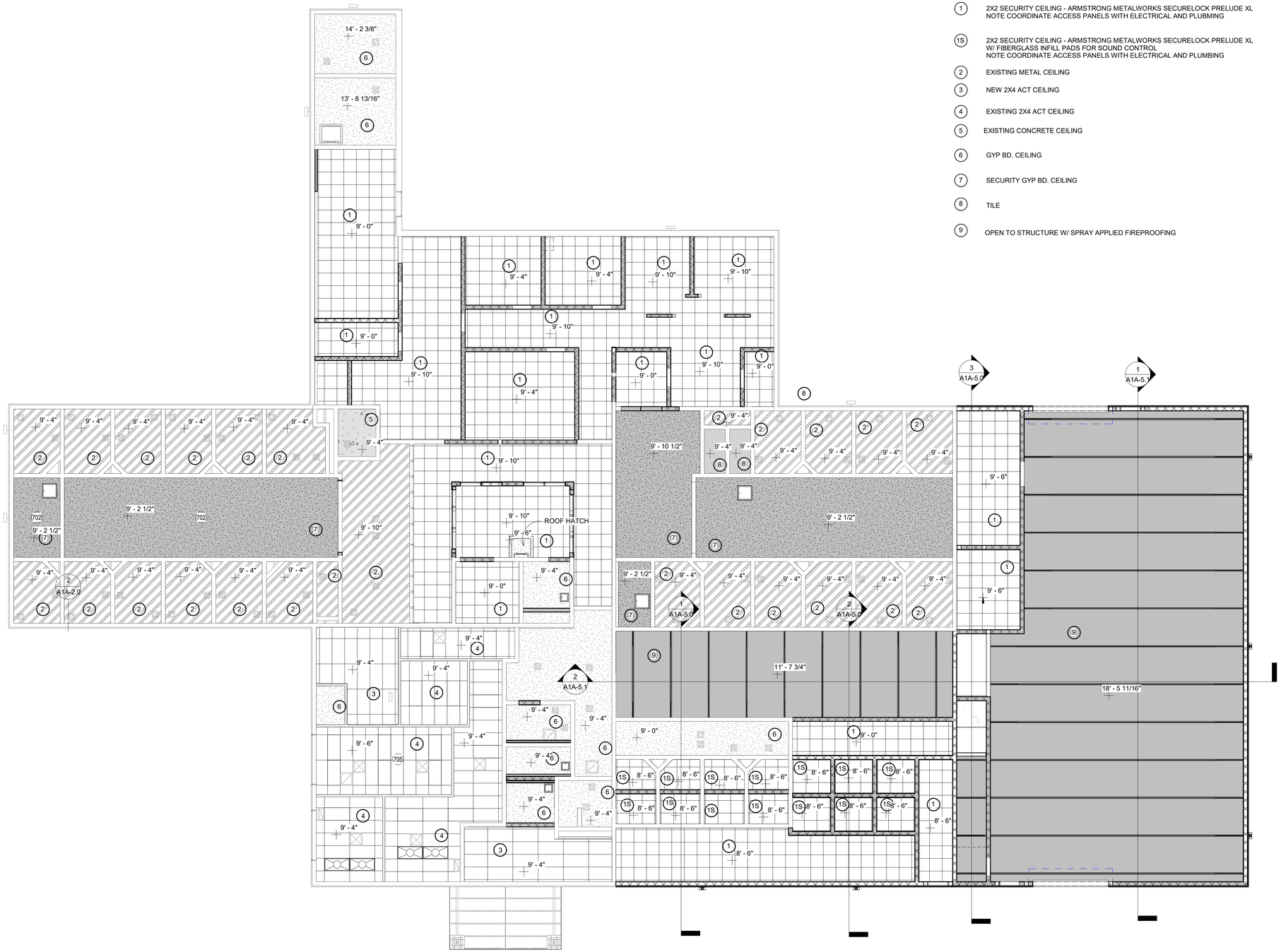
#23029 PROJECT #

A1A-5.1

CEILING KEY

1	2X2 SECURITY CEILING - ARMSTRONG METALWORKS SECURELOCK PRELUDE XL NOTE COORDINATE ACCESS PANELS WITH ELECTRICAL AND PLUBMING
1S	2X2 SECURITY CEILING - ARMSTRONG METALWORKS SECURELOCK PRELUDE XL W/ FIBERGLASS INFILL PADS FOR SOUND CONTROL NOTE COORDINATE ACCESS PANELS WITH ELECTRICAL AND PLUMBING
2	EXISTING METAL CEILING
3	NEW 2X4 ACT CEILING
4	EXISTING 2X4 ACT CEILING
5	EXISTING CONCRETE CEILING
6	GYP BD. CEILING
7	SECURITY GYP BD. CEILING
8	TILE
9	OPEN TO STRUCTURE W/ SPRAY APPLIED FIREPROOFING



1 PH 1 PART A REMODEL RCP
1/8" = 1'-0"

LICENSED ARCHITECT
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R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A REMODEL CEILING PLAN

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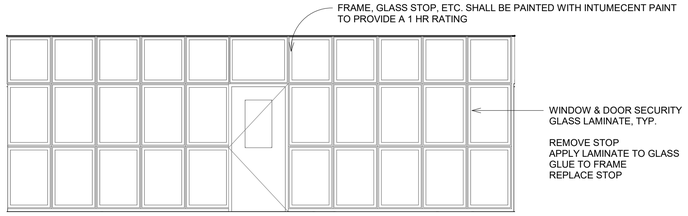
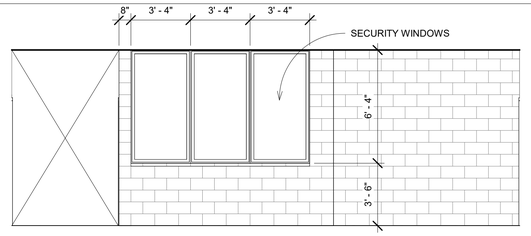
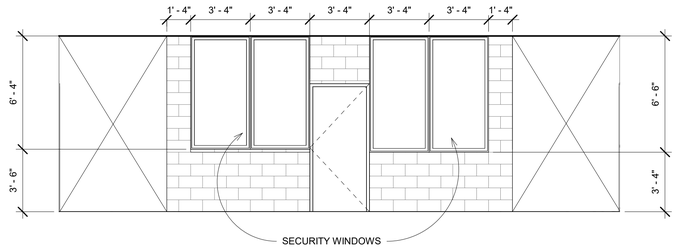
A1A-7.0



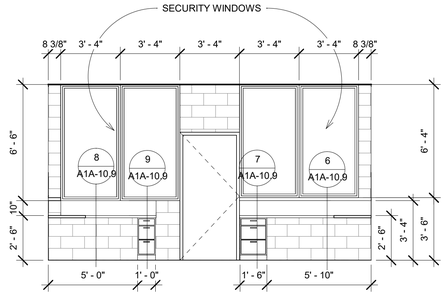
1 CORR. 3 W
1/4" = 1'-0"



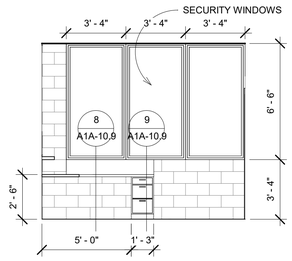
2 CORR. 3 E
1/4" = 1'-0"



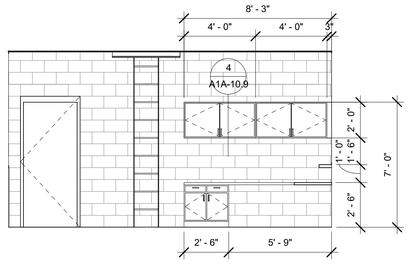
3 CORR. 4 S.
1/4" = 1'-0"



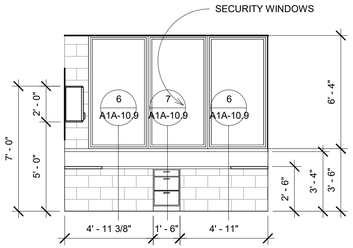
4 CONTROL N
1/4" = 1'-0"



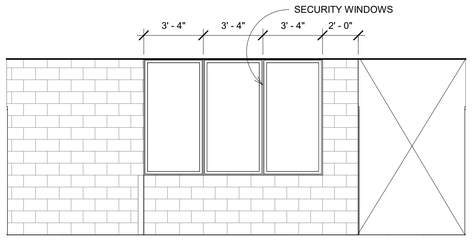
5 CONTROL E
1/4" = 1'-0"



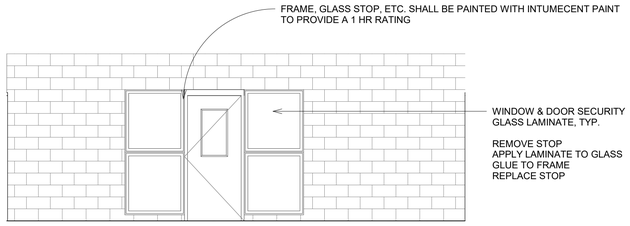
6 CONTROL S.
1/4" = 1'-0"



7 CONTROL W
1/4" = 1'-0"



8 CORR. 7 W
1/4" = 1'-0"



9 CORR. 7 E.
1/4" = 1'-0"

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
INTERIOR ELEVATIONS

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

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A1A-8.0

PH 1 PART A - Room Finish Schedule

Number	Name	Base Finish	Floor Finish	Wall								Ceiling		Remarks
				Materials				Finishes						
				North	East	South	West	North	East	South	West	Material	Finish	
1	LOBBY		BURNISH (E) CONC.	(E) CMU / (N) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	NEW 2X4 ACT	FF	
2	RR	VARIES	BURNISH (E) CONC.	(N) GYP BD	(E) CMU	(N)CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	GYP BD	EPOXY PT	4" RUBBER BASE AT GYP BD
3	CORR. 1	4" RUBBER BASE	(N) CARPET TILE	(E) GYP BD	(E) CMU	(E) CMU	(E) GYP BD	PT	PT	PT	PT	EXISTING 2X4 ACT	FF	
4	OFFICE	4" RUBBER BASE	(N) CARPET TILE	(E) GYP BD	(E) CMU	(E) CMU	(E) GYP BD	PT	PT	PT	PT	EXISTING 2X4 ACT	FF	
5	OFFICE	4" RUBBER BASE	(N) CARPET TILE	(E) GYP BD	(E) GYP BD	(E) CMU	(E) CMU	PT	PT	PT	PT	EXISTING 2X4 ACT	FF	
6	CONFERENCE	4" RUBBER BASE	(N) CARPET TILE	(E) GYP BD	(E) GYP BD	(E) GYP BD	(E) GYP BD	PT	PT	PT	PT	EXISTING 2X4 ACT	FF	
7	RR	VARIES	(E) POLISH CONC.	(E) CMU / (N) CMU	(N) CMU, (E) CMU	GYP BD	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	GYP BD	EPOXY PT	4" RUBBER BASE AT GYP BD
8	CORR. 2	4" RUBBER BASE	(N) CARPET TILE	(E) CMU	(E) GYP BD	(E) GYP BD	(E) GYP BD	PT	PT	PT	PT	EXISTING 2X4 ACT	FF	
9	OFFICE	4" RUBBER BASE	(N) CARPET TILE	(E) GYP BD	(E) GYP BD	(E) GYP BD	(E) GYP BD	PT	PT	PT	PT	EXISTING 2X4 ACT	FF	
10A	OFFICE	4" RUBBER BASE	(N) CARPET TILE	(E) CMU	(E) GYP BD	(E) GYP BD	(E) CMU	PT	PT	PT	PT	NEW 2X4 ACT	FF	
10B	ELECT.	4" RUBBER BASE	(E) BURNISH CONC.	(E) GYP BD	(E) GYP BD	(E) GYP BD	(E) CMU	PT	PT	PT	PT	(E) GYP BD	PT	
11	IT		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
12	CORR. 3		(E) BURNISH CONC.	(E) CMU	(E) CMU/ (N) CMU / (N) SECURITY WINDOWS	(E) CMU	(E) TEMPERED GLASS WALL	PT	PT	PT	SECURITY GLASS LAMINATE	2X2 SECERITY CEILING	FF	SECURITY GLASS LAMINATE PER MANUFACTURER / INTUMESCENT PAINT FRAMES
13	DAY ROOM		(E) BURNISH CONC.	(E) CMU	(E) TEMPERED GLASS WALL	(E) CMU	(E) CMU	EPOXY PT	SECURITY GLASS LAMINATE	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	SECURITY GLASS LAMINATE PER MANUFACTURER / INTUMESCENT PAINT FRAMES
14	DAY ROOM		(E) BURNISH CONC.	(E) CMU	--	(E) CMU	(E) TEMPERED GLASS WALL	EPOXY PT	--	EPOXY PT	SECURITY GLASS LAMINATE	SECERITY GYP BD CEILING	EPOXY PT	SECURITY GLASS LAMINATE PER MANUFACTURER / INTUMESCENT PAINT FRAMES
15	SHOWER		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
16	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
17	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
18	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
19	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
20	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
21	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
22	DAY ROOM		(E) BURNISH CONC.	(E) CMU	(E) TEMPERED GLASS WALL	(E) CMU	(E) CMU	EPOXY PT	SECURITY GLASS LAMINATE	EPOXY PT	EPOXY PT	SECERITY GYP BD CEILING	EPOXY PT	SECURITY GLASS LAMINATE PER MANUFACTURER / INTUMESCENT PAINT FRAMES
23	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
24	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
25	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
26	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
27	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
28	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
29	SHOWER		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING CONCERTE CEILING	EPOXY PT	
30	CORR. 4		(E) BURNISH CONC.	(E) CMU / (N) CMU	--	(N) CMU / (N) SECURITY WINDOWS	--	PT	--	PT	--	2X2 SECERITY CEILING	FF	
31	CONTROL		(E) BURNISH CONC.	(N)CMU/ (N) SECURITY WINDOWS	(N) CMU / (N) SECURITY WINDOWS	(E) CMU/ (N) CMU	(N) CMU / (N) SECURITY WINDOWS	PT / FF	PT / FF	PT	PT / FF	2X2 SECERITY CEILING	FF	
32	RR		(E) BURNISH CONC.	(E) CMU	(E) CMU/ (N) CMU	GYP BD	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	GYP BD	EPOXY PT	4" RUBBER BASE AT GYP BD
33	WAITING		(E) BURNISH CONC.	(N)CMU	(N) CMU	(E) CMU/ (N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
33A	ADA RR		(E) BURNISH CONC.	(N) CMU	(N) CMU	(N)CMU	(E) GYP BD	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	2X2 SECERITY CEILING	FF	
33B	COMPRESSOR													
34	LAUNDRY		(E) BURNISH CONC.	(E) CMU	(E) CMU/ (N) CMU	(N) CMU	(E) GYP BD	PT	PT	PT	FRP	2X2 SECERITY CEILING	FF	
35	FRR / MECH		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	GYP BD	PT	
36	ELECT		(E) BURNISH CONC.	(N) CMU	(E) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	GYP BD	PT	
37	CORR. 4		BURNISH (E) CONC.	(N) CMU	(E) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
38	EXAM A		BURNISH (E) CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
39	EXAM B		BURNISH (E) CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
40	DENTAL A		BURNISH (E) CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
41	DENTAL B		BURNISH (E) CONC.	(N) CMU	(E) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
42	STORAGE		BURNISH (E) CONC.	(E) CMU	(E) CMU	(E) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
43	CORR. 5		BURNISH (E) CONC.	--	(N) CMU	(E) CMU	(N) CMU	--	PT	PT	PT	2X2 SECERITY CEILING	FF	
43B	MECH		SEALED CONC.	(N) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	EXISTING METAL CEILING	(E)	
44	MED STORAGE		SEALED CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
45	CORR. 6		BURNISH (E) CONC.	--	(N) CMU, (E) CMU	(E) CMU	(N) CMU	--	PT	PT	PT	2X2 SECERITY CEILING	FF	
46	OFFICE	4" RUBBER BASE	(N) CARPET TILE	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
47	CORR. 7		BURNISH (E) CONC.	(E) CMU / (N) CMU	(E) CMU / (E) TEMPERED GLASS	(E) CMU	(N) CMU / (N) BALLISTIC WINDOWS	PT	PT / SECURITY GLASS LAMINATE	PT	PT / FF	2X2 SECERITY CEILING	FF	
48	BOOKING		(E) BURNISH CONC.	(N) CMU / (E) CMU	(E) CMU	(E) CMU	/ (E) TEMPERED GLASS/(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT / SECURITY GLASS LAMINATE	SECERITY GYP BD CEILING	EPOXY PT	
49	BOOKING		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	--	EPOXY PT	EPOXY PT	EPOXY PT	--	SECERITY GYP BD CEILING	EPOXY PT	
50	SHOWER		(E) TILE	(E) CMU	(E) CMU	(E) CMU	(E) CMU	(E) TILE	(E) TILE	(E) TILE	(E) TILE	TILE	(E)	
51	SHOWER		(E) TILE	(E) CMU	(E) CMU	(E) CMU	(E) CMU	(E) TILE	(E) TILE	(E) TILE	(E) TILE	TILE	(E)	
52	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
53	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
54	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
55	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
56	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
57	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
58	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
59	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
60	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
61	CELL		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	EXISTING METAL CEILING	(E)	
62	ADA RR		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) GYP BD	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	SECERITY GYP BD CEILING	EPOXY PT	
63	PAT DOWN		BROOM FINSIH CONC.	(N) CMU	(N) CMU	(N) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	2X2 SECERITY CEILING	FF	
64	INTOX		BROOM FINSIH CONC.	(N) CMU	(N) CMU	(N) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	2X2 SECERITY CEILING	FF	
65	SALLYPORT		BROOM FINSIH CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	OPEN TO STRUCTURE	SPRAY APPLIED FIREPROOFING	
66	ROOFTOP ACCESS		BROOM FINSIH CONC./ PRECAST CONC. STAIR	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	OPEN TO STRUCTURE	SPRAY APPLIED FIREPROOFING	
67	STORAGE		(N) BURNISH CONC.	(E) CMU	(N) CMU	(N) CMU/ (E) CMU	(E) CMU	PT	PT	PT	PT	OPEN TO STRUCTURE	SPRAY APPLIED FIREPROOFING	
68	CORR. 8		(E) BURNISH CONC.	(E) CMU	(E) CMU	(N) CMU/ (E) CMU	(E) CMU	PT	PT	PT	PT	(E) GYP BD	PT	
68B	STORAGE		(E) BURNISH CONC.	(N) GYP BD	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	(E) GYP BD	PT	
69	JANITOR		(E) BURNISH CONC.	(E) CMU	(E) CMU	(N) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	(E) GYP BD	EPOXY PT	FRP TO 4' AT MOP SINK
70	RR		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	(E) CMU	EPOXY PT	EPOXY PT	EPOXY PT	EPOXY PT	(E) GYP BD	EPOXY PT	
71	CORR. 11		(E) BURNISH CONC.	(E) CMU	(E) CMU	(E) CMU	--	PT	PT	PT	--	(E) GYP BD	PT	
72	CORR. 10		(E) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
73	COOR. 9		(E) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
74	CORR 12		(N) BURNISH CONC.	(E) CMU / (N) CMU	(N) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING	FF	
75A	CLIENT		(E) BURNISH CONC.	(E) CMU	(E) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
75B	ATTORNEY		(E) BURNISH CONC.	(N) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
76A	CLIENT		(E) BURNISH CONC.	(E) CMU	(E) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
76B	ATTORNEY		(E) BURNISH CONC.	(N) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
77A	CLIENT		(E) BURNISH CONC.	(E) CMU	(E) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
77B	ATTORNEY		(E) BURNISH CONC.	(N) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
78A	CLIENT		(E) BURNISH CONC.	(E) CMU	(E) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
78B	ATTORNEY		(N) BURNISH CONC.	(N) CMU	(E) CMU	(E) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
79A	CLIENT		(E) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
79B	ATTORNEY		(N) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(E) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
80A	CLIENT		(N) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
80B	ATTORNEY		(E) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
81A	ADA CLIENT		(N) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	
81B	ADA ATTORNEY		(N) BURNISH CONC.	(N) CMU	(N) CMU	(N) CMU	(N) CMU	PT	PT	PT	PT	2X2 SECERITY CEILING WITH SOUND CONTROL	FF	

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
FINISH SCHEDULE

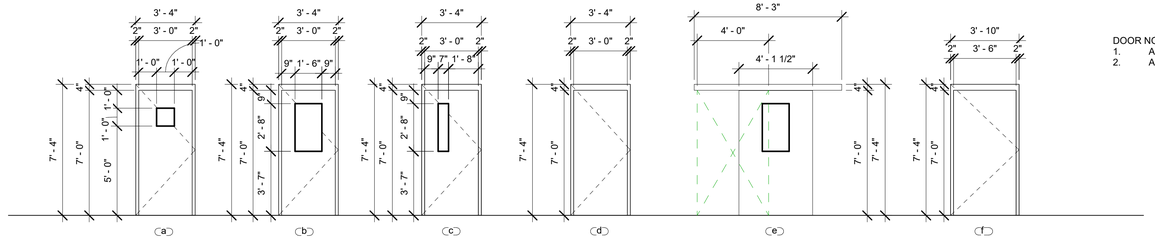
Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East, * Twin Falls, Idaho 83301
(208) 736-8050

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

A1A-9.0

PH 1 PART A - Door Schedule

DOOR	ROOM	Phase Created	EL	Level	Width	Height	Thickness	DOOR Material	DOOR Finish	DOOR Accessories	DOOR Latch	FRAME Material	FRAME Finish	DOOR GLASS	UL RATING	Access Control	Comments
1	LOBBY	Existing	SFGL	Level 1	3' - 0"	7' - 0"	2"	(E) ALUMINUM STOREFRONT	FF	WEATHER-STRIP/ THRESHOLD / CLOSER / CONTINUOUS HINGES / PANIC HARDWARE	KEYED	(E) ALUMINUM	FF	(E)	--	Yes	NTERCOM AND ELECTIC STRIKE CONTROLLED BY CONTROL
2	RR	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	PRIVACY	HM	PT	NONE			
3	CORR. 1	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	CLOSER	STOREROOM	HM	PT	3/8" TEMPERED MIN		Yes	ELECTRIC STRIKE AND FOB
4	OFFICE	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	-	CLASSROOM	(E) HM	PT	NONE			
5	CONFERENCE	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	-	CLASSROOM	(E) HM	PT	(E)			
6	RR	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	PRIVACY	HM	PT	NONE			
7	CORR. 2	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	CLOSER, HOILD OPEN	STOREROOM	HM	PT	3/8" TEMPERED MIN			
8	OFFICE	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	-	CLASSROOM	(E) HM	PT	NONE			
9	OFFICE	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	-	CLASSROOM	(E) HM	PT	NONE			
10	ELECT.	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	CLOSER	STOREROOM	(E) HM	PT	NONE			
11	CORR. 3	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
12	IT	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	CLOSER	STOREROOM	(E) HM	PT	NONE			
14	DAY ROOM	Existing	b	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)	20 MIN	Yes	
15	SHOWER	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
16	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
17	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
18	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
19	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
20	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
21	DAY ROOM	Existing	b	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
22	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
23	DAY ROOM	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	WEATHERSTRIP, THRESHOLD, DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	NONE		Yes	
24	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
25	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
26	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
27	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
28	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
29	CELL	Existing	c	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
30	SHOWER	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
31	WAITING	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
32	CONTROL	PHASE 1 PART A	b	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
33	RR	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	PRIVACY	HM	PT	NONE			
34	COMPRESSOR	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	CLOSER	STOREROOM	HM	PT	NONE			
34A	ADA RR	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	PRIVACY	HM	PT	NONE			
34B	LAUNDRY	PHASE 1 PART A	f	Level 1	3' - 6"	7' - 0"	1 3/4"	HM	PT	HOLD OPEN, SMOKE SEALS, CLOSER	PASSAGE	HM	PT	3/8" TEMPERED MIN			
35	FRR / MECH	Existing	f	Level 1	3' - 8"	7' - 0"	1 3/4"	(E) HM	PT	WEATHERSTRIP, THRESHOLD, CLOSER	STOREROOM	(E) HM	PT	NONE			
36	ELECT	Existing	f	Level 1	3' - 8"	7' - 0"	1 3/4"	(E) HM	PT	WEATHERSTRIP, THRESHOLD, CLOSER	STOREROOM	(E) HM	PT	NONE		No	
37	WAITING	Existing	b	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	WEATHERSTRIP, THRESHOLD, DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
38	CORR. 4	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
39	EXAM A	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	PASSAGE	HM	PT	NONE			
40	EXAM B	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	PASSAGE	HM	PT	NONE			
41	STORAGE	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	CLOSER	STOREROOM	HM	PT	NONE			
42	MECH	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	CLOSER	STOREROOM	(E) HM	PT	NONE	20 MIN	No	
43	CORR. 5	Existing	b	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)	20 MIN	Yes	
44	MED STORAGE	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	CLOSER	STOREROOM	HM	PT	NONE			
45	OFFICE	PHASE 1 PART A	b	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	CLOSER	STOREROOM	HM	PT	3/8" TEMPERED MIN		No	
46	CORR. 7	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
47	BOOKING	Existing	b	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)	20 MIN	Yes	
48	SHOWER	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
49	SHOWER	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
50	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
51	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
52	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
53	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
54	BOOKING	PHASE 1 PART A	b	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN	20 MIN	Yes	
55	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
56	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
57	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
58	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
59	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
60	CELL	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
61	ADA RR	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT		PRIVACY	HM	PT	NONE		No	
62	PAT DOWN	PHASE 1 PART A	e	Level 1	4' - 0"	7' - 4"	2"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
63	SALLYPORT	PHASE 1 PART A	-	Level 1	12' - 0"	12' - 0"	3"	HM	PT	PER MANUFACTURER	PER MANUFACTURER	HM	PT	NONE		Yes	CONTROLLED BY CONTROL SECERITY GARAGE DOOR
63B	SALLYPORT	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	WEATHERSTRIP, THRESHOLD, DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	NONE			
64	PAT DOWN	PHASE 1 PART A	b	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
65	SALLYPORT	PHASE 1 PART A	-	Level 1	12' - 0"	12' - 0"	3"	HM	PT	PER MANUFACTURER	PER MANUFACTURER	HM	PT	NONE		Yes	CONTROLLED BY CONTROL SECERITY GARAGE DOOR
66	SALLYPORT	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	WEATHERSTRIP, THRESHOLD, DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	NONE		Yes	
67	ROOFTOP ACCESS	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	STOREROOM	HM	PT	NONE			
68		PHASE 1 PART A	d	Level 2	3' - 0"	7' - 0"	1 3/4"	HM	PT	CLOSER	STOREROOM	HM	PT	NONE			
69	STORAGE	PHASE 1 PART A	d	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT		STOREROOM	HM	PT	NONE			
70	STORAGE	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	-	STOREROOM	(E) HM	PT	(E)			
71	CORR. 8	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
72	STORAGE	PHASE 1 PART A	d	Level 1	3' - 6"	7' - 0"	1 3/4"	HM	PT	-	STOREROOM	HM	PT	NONE			
73	CORR. 8	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
74	CORR. 8	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	-	PASSAGE	(E) HM	PT	(E)			
75	RR	Existing	d	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	-	PRIVACY	(E) HM	PT	NONE			
76	CLIENT	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
78	CLIENT	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
79	CLIENT	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
81	CLIENT	Existing	a	Level 1	3' - 0"	7' - 0"	1 3/4"	(E) HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	(E) HM	PT	(E)		Yes	
82	CLIENT	PHASE 1 PART A	a	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
83	CLIENT	PHASE 1 PART A	a	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
84	ADA CLIENT	PHASE 1 PART A	a	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
85	CORR. 10	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
86	COOR. 9	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	WEATHERSTRIP, THRESHOLD, DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
87	CORR 12	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	
88	ADA ATTORNEY	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	CLASSROOM	HM	PT	3/8" TEMPERED MIN			
89	ATTORNEY	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	CLASSROOM	HM	PT	3/8" TEMPERED MIN		No	
90	ATTORNEY	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	CLASSROOM	HM	PT	3/8" TEMPERED MIN		No	
91	ATTORNEY	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	CLASSROOM	HM	PT	3/8" TEMPERED MIN		No	
92	ATTORNEY	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	CLASSROOM	HM	PT	3/8" TEMPERED MIN		No	
93	ATTORNEY	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	CLASSROOM	HM	PT	3/8" TEMPERED MIN		No	
94	ATTORNEY	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	-	CLASSROOM	HM	PT	3/8" TEMPERED MIN		No	
95	CORR 12	PHASE 1 PART A	c	Level 1	3' - 0"	7' - 0"	1 3/4"	HM	PT	DOOR POSITION SWITCH, BUTT HINGE & CLOSER	AIRTEQ 9500	HM	PT	3/8" TEMPERED MIN		Yes	



ALL GLAZING SHALL BE 3/8" TEMPERED GLASS

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

DOOR NOTES
1. ALL EXISTING DOORS AND FRAMES SHALL BE REPAINTED
2. ALL PRIVACY LOCKS SHALL HAVE A KEY FROM THE OUTSIDE

LATCH NOTES

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.

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

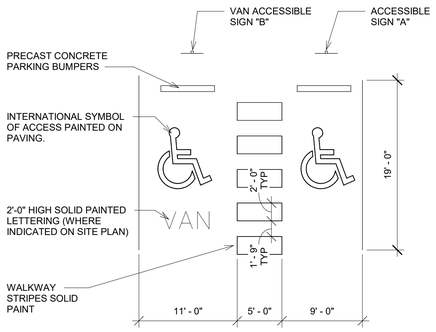
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
DOOR SCHEDULE

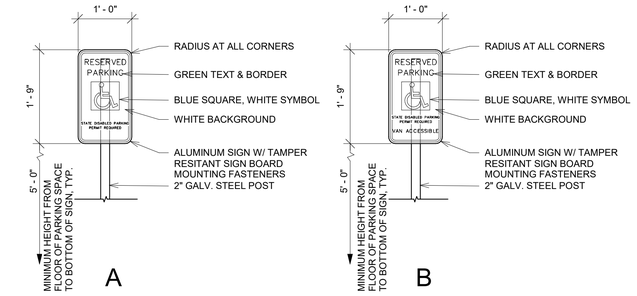
Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East, * Twin Falls, Idaho 83301
(208) 736-8050

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

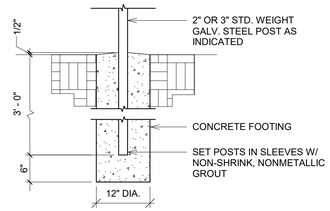
A1A-9.1



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

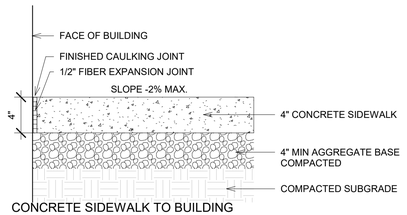


2 ACCESSIBLE PARKING SIGNS1
3/4" = 1'-0"

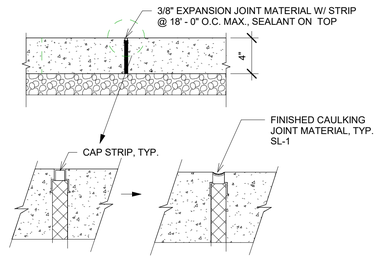


FOOTING TYPICAL FOR ALL PARKING, TRAFFIC, AND ACCESSIBLE SIGNAGE, THIS SHEET

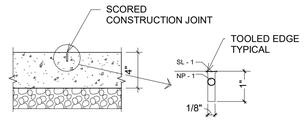
3 SIGN POST DETAIL
3/4" = 1'-0"



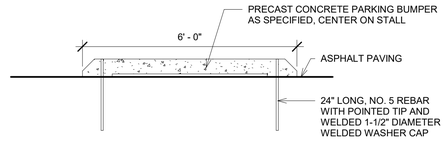
4 CONCRETE SIDEWALK TO BUILDING WALL DETAIL
1 1/2" = 1'-0"



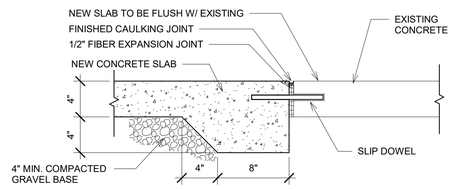
5 CONCRETE EXPANSION JOINT
1 1/2" = 1'-0"



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



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



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

LICENSED ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

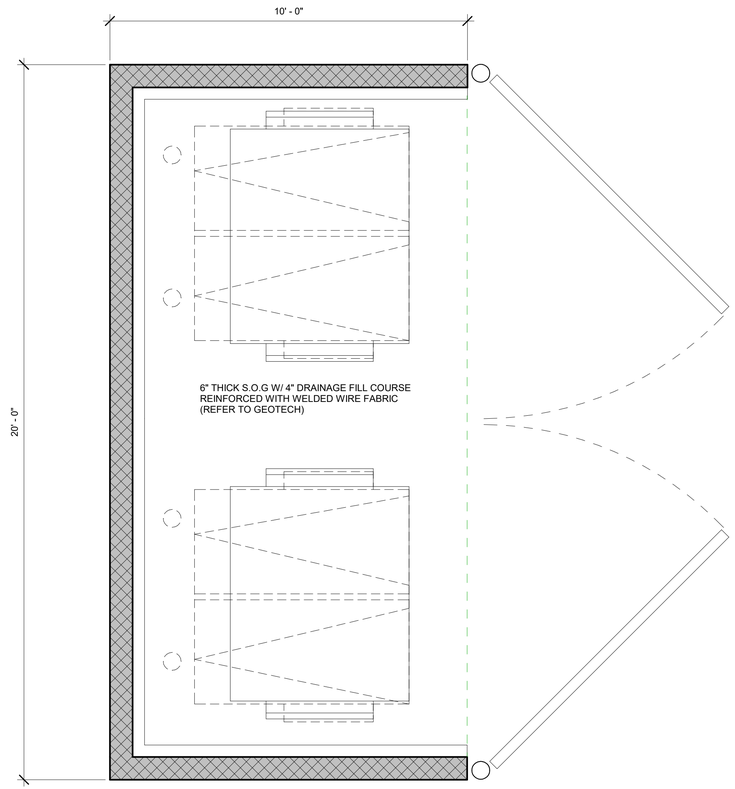
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
DETAILS - SITE

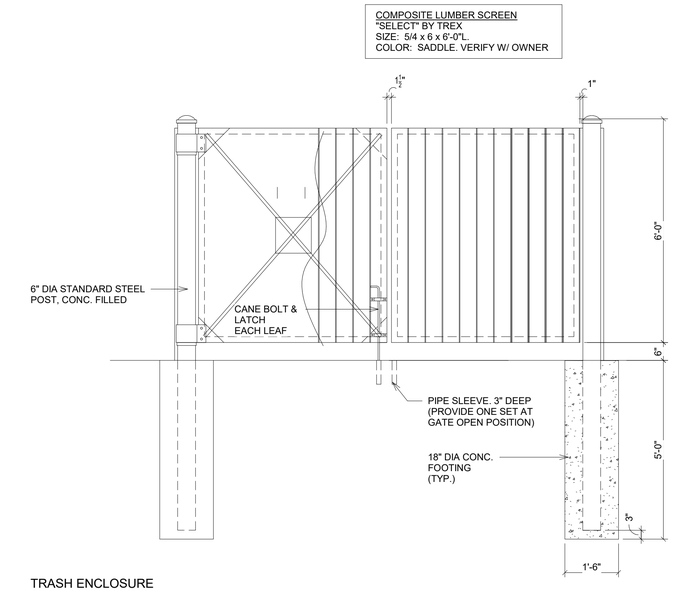
Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East * Twin Falls, Idaho 83301
(208) 736-8050

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

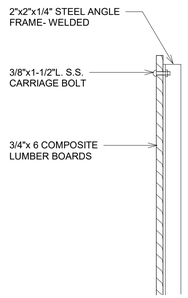
A1A-10.0



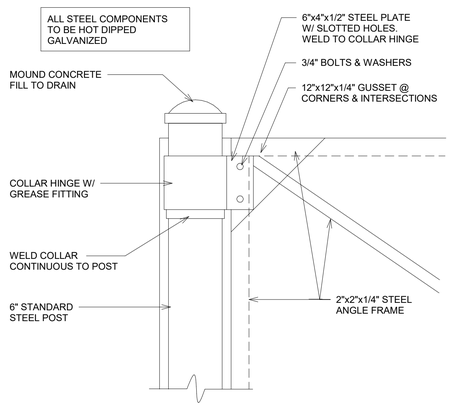
1 TRASH ENCLOSURE
1/2" = 1'-0"



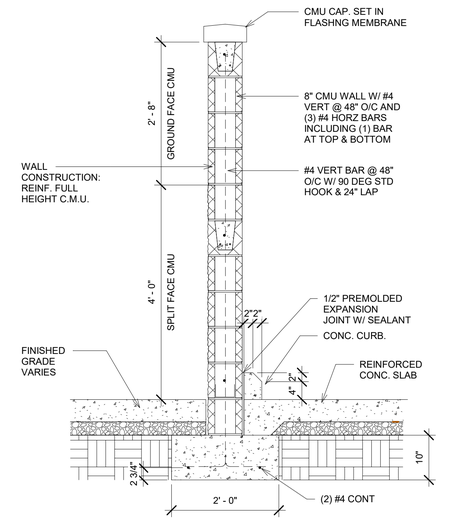
2 TRASH ENCLOSURE
SECTION/ELEVATION
1/2" = 1'-0"



3 TRASH ENCLOSURE SCREEN DETAIL
1 1/2" = 1'-0"



4 TRASH ENCLOSURE HINGE DETAIL
1 1/2" = 1'-0"



5 TRASH ENCLOSURE WALL SECTION
3/4" = 1'-0"

7.15.24

DATE

PHASE 1 PART A FOR:

TWIN FALLS COUNTY - WRIGHT AVE JAIL

2515 Wright Ave, Twin Falls, ID 83301

DETAIL - TRASH ENCLOSURE

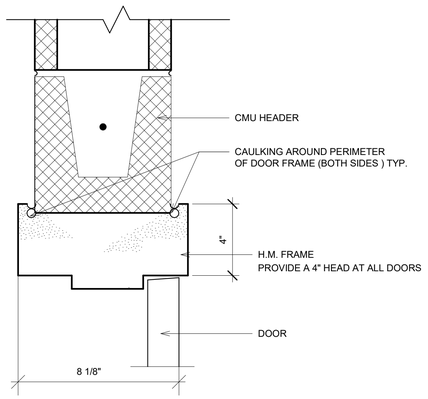
Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East, * Twin Falls, Idaho 83301
(208) 736-8050

DATE: 7.15.24

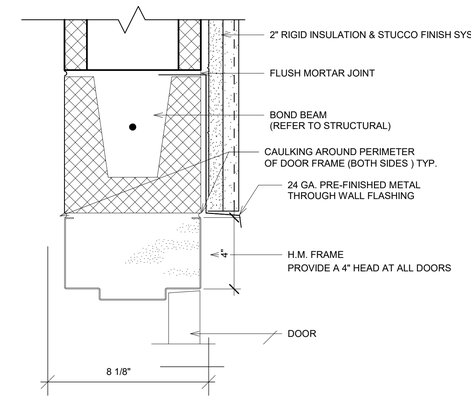
KM Drawn | RCR Checked

#23029 PROJECT #

A1A-10.1

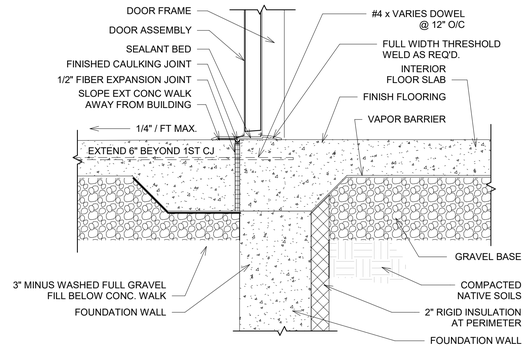


1 HM DOOR HEAD DETAIL
3" = 1'-0"



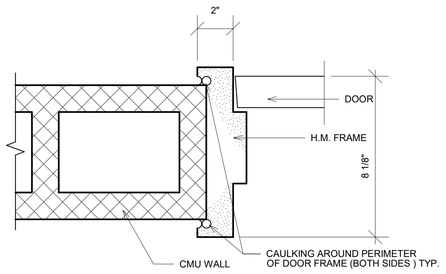
STUCCO

4 HM DOOR HEAD DETAIL AT STUCCO
3" = 1'-0"



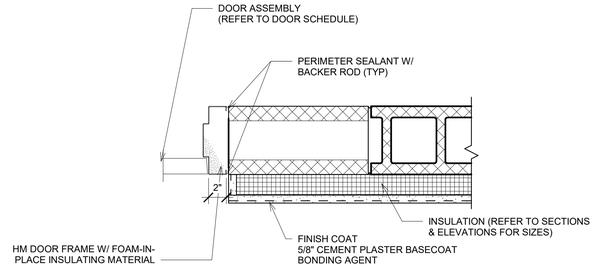
NOTE: RECESSED FND. WALL
MIN. 8" @ ALL OPENING

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

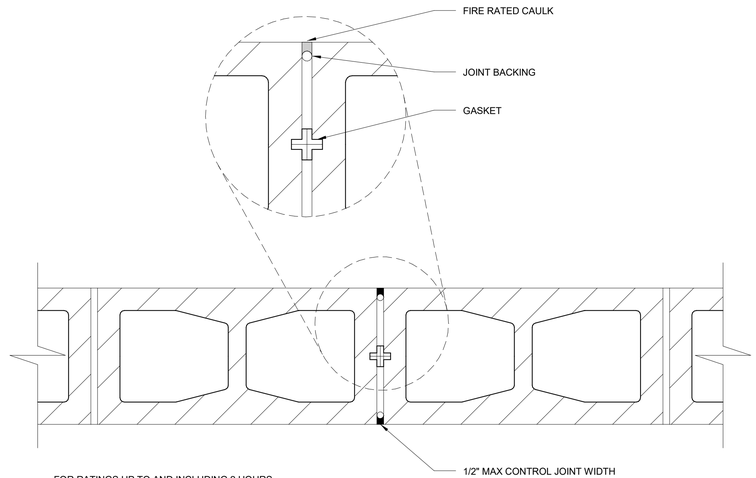


PROVIDE A 4" HEAD AT ALL DOORS

2 HM DOOR JAMB DETAIL
3" = 1'-0"

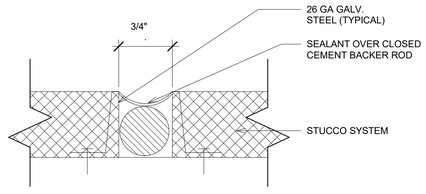


5 HM DOOR JAMB @ CMU
1 1/2" = 1'-0"



FOR RATINGS UP TO AND INCLUDING 2 HOURS

6 FIRE RATED CONTROL JOINT DETAIL,
TYP. @ EXTERIOR CMU
3" = 1'-0"



STUCCO

7 CONTROL JOINT DETAIL
N.T.S.

LICENSED
ARCHITECT
AR-985708
R. COLBY RICKS
STATE OF IDAHO
7.15.24

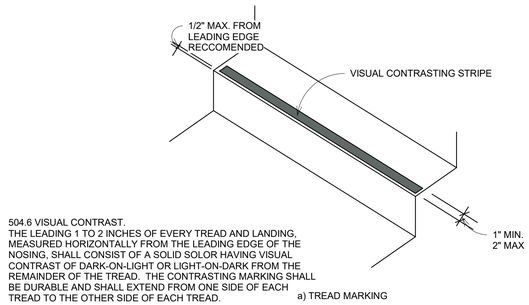
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
DETAILS - MATERIALS, DOORS, & WINDOWS

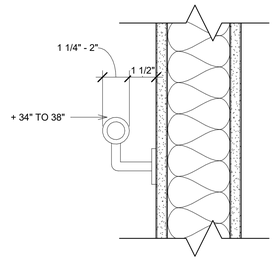
Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East, * Twin Falls, Idaho 83301
(208) 736-8050

DATE: 7.15.24
KM Drawn
RCR Checked
#23029 PROJECT #

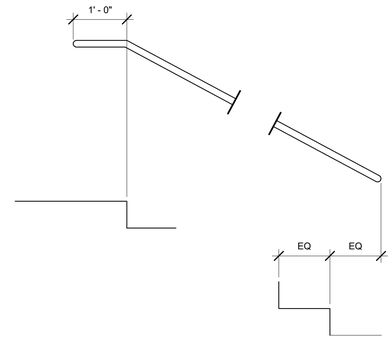
A1A-10.2



1 STAIR CONTRAST
3/4" = 1'-0"



2 HANDRAIL TO BUILDING DETAIL
3" = 1'-0"



3 STAIR EXTENSIONS
3/4" = 1'-0"

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7.15.24

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PHASE 1 PART A FOR:
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2515 Wright Ave, Twin Falls, ID 83301
DETAILS STAIR

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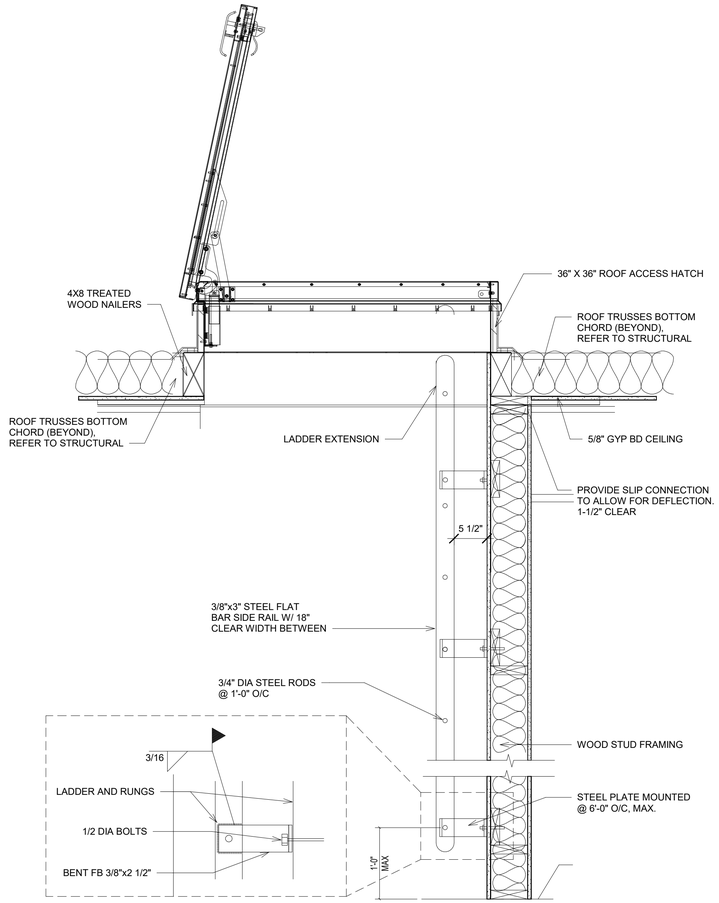
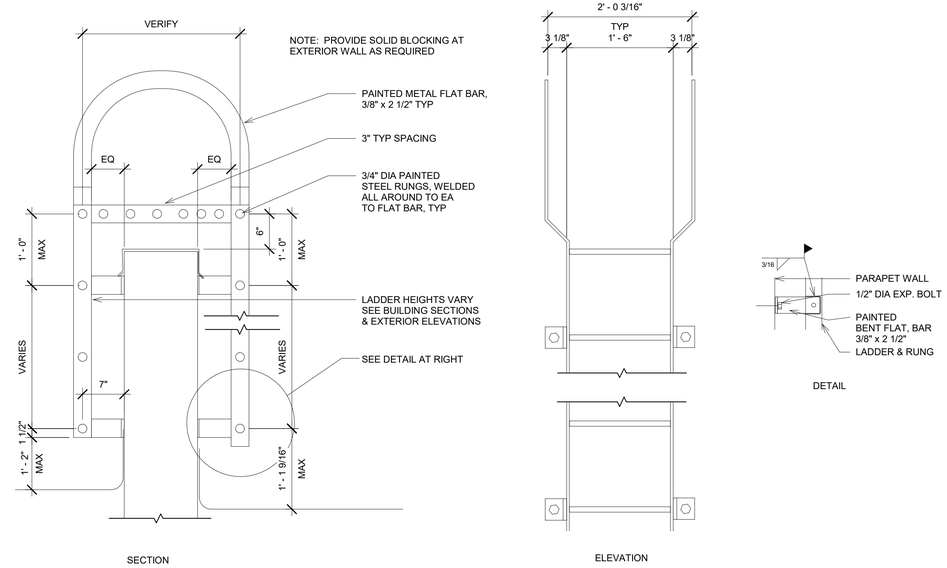


1 LADDER DETAIL / ROOF HATCH
1" = 1'-0"



2 ROOF ACCESS LADDER
1" = 1'-0"

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
DETAILS MISC

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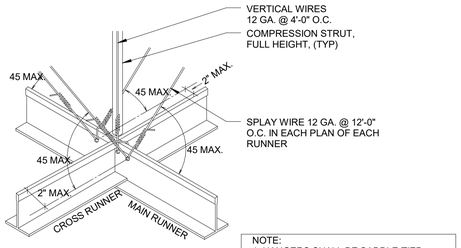
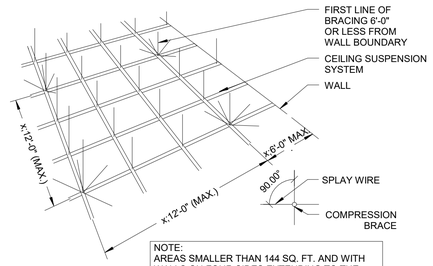
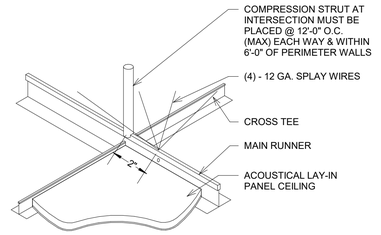


NOTE:
1. HANGERS SHALL BE SADDLE-TIED AROUND MAIN RUNNERS.
2. LOWER ENDS OF FLAT HANGERS SHALL BE BOLTED WITH 3/8" BOLTS TO RUNNER CHANNELS.
3. SPLAY WIRES MUST BE AT 90 DEGREE ANGLES TO EACH ADJACENT WIRE.

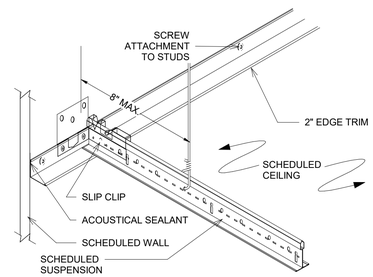


NOTE:
AREAS SMALLER THAN 144 SQ. FT. AND WITH WALLS ON FOUR SIDES EXTENDING TO THE STRUCTURE NEED NOT BE BRACED. NOTE: BOUNDARY WALLS MUST BE BRACED TOP AND BOTTOM INDEPENDENT OF CEILING TO QUALIFY.

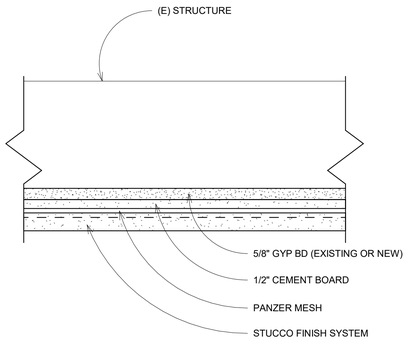
1 CEILING DETAILS
1" = 1'-0"



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 (Imin = 0.18 in4)	11'-6"
BACK TO BACK 2 1/2"x20 GA. METAL STUDS SCREWED TOGETHER @ 24" O.C.	15'-0"



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



A. REFER TO MECHANICAL AND ELECTRICAL

3 SECURITY GYP BD CEILING
3" = 1'-0"

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2515 Wright Ave, Twin Falls, ID 83301
DETAILS CEILING

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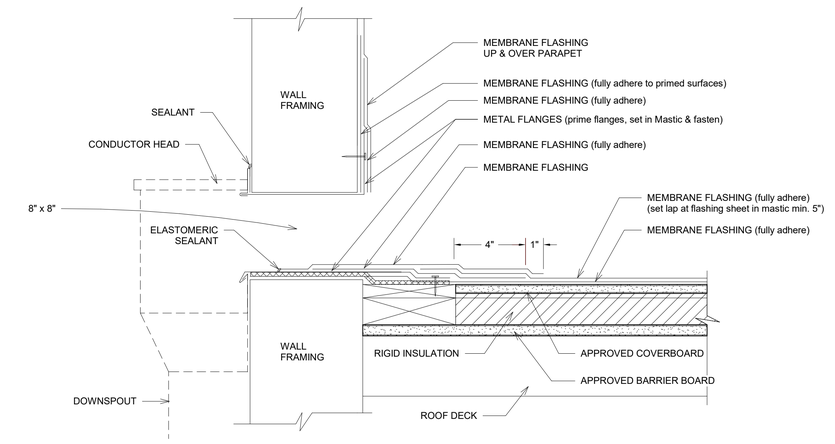
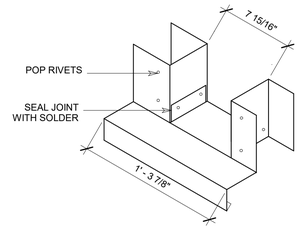


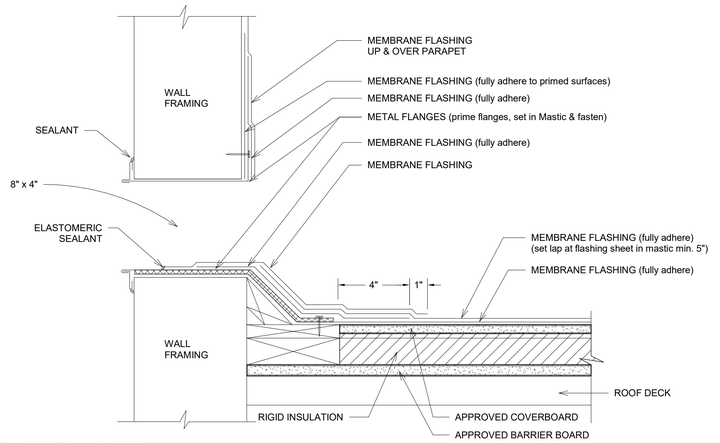
1 SCUPPER W/ CONDUCTOR HEAD
3" = 1'-0"



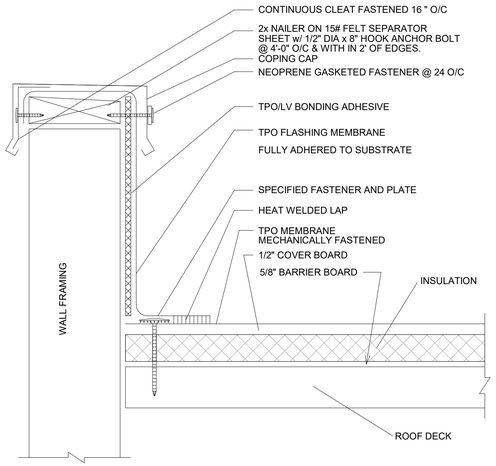
ISOMETRIC

SCALE: NO SCALE

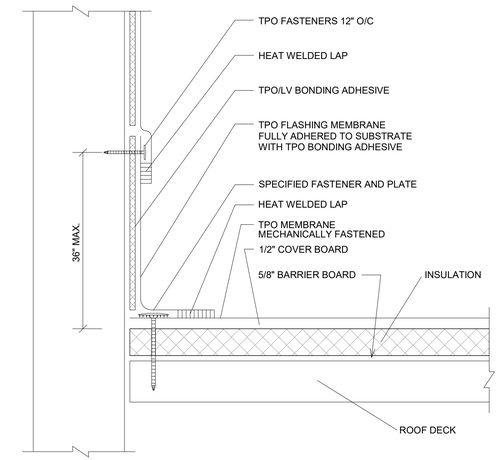
2 SCUPPER ISO DETAIL
1 1/2" = 1'-0"



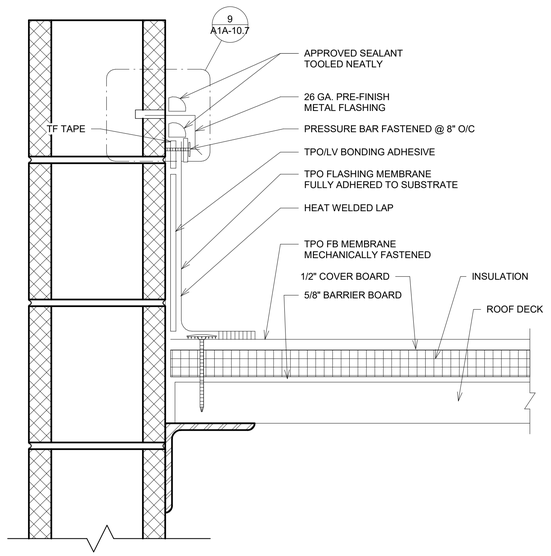
3 OVERFLOW SCUPPER
3" = 1'-0"



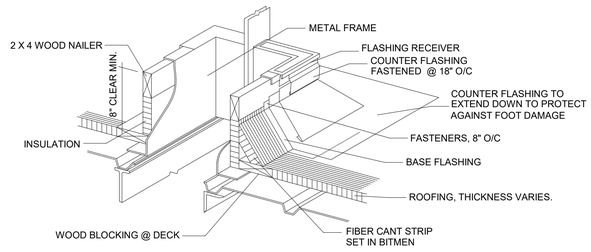
4 PARAPET WALL FLASHING
3" = 1'-0"



5 HIGH PARAPET WALL FLASHING
3" = 1'-0"



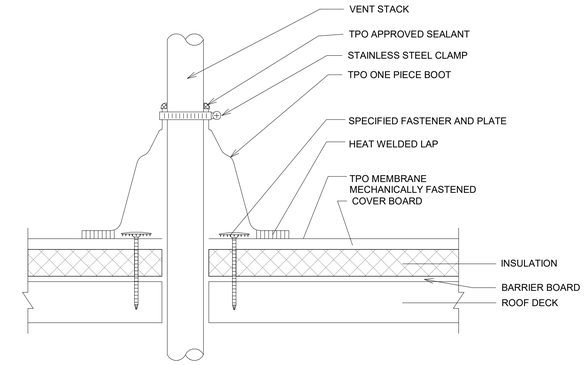
6 COUNTER FLASHING DETAIL
3" = 1'-0"



NOTE:
1. CURB, WOOD NAILER, INSULATION AND SEAL STRIP TO BE SUPPLIED BY CURB MANUFACTURE.
2. 4 X 4 PRESSURE TREATED PLATE TO BE USED FOR LEVELING OF CURB.

NOTE:
CONTRACTOR TO BUILD FLAT WOOD CURB
FOR FACTORY CURB TO SIT ON IF REQUIRED
BY MANUFACTURER.

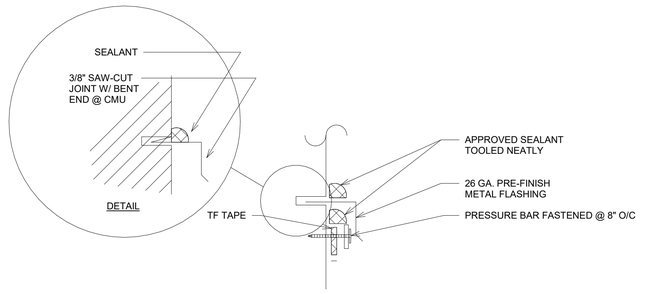
7 TYP. EQUIPMENT & VENT CURB
1 1/2" = 1'-0"



NOTE:

1. DO NOT CUT PREFABRICATED BOOT. IT MUST BE PULLED OVER VENT PIPE.
2. PREFABRICATED BOOTS ARE AVAILABLE IN SMALL & LARGE SIZES, AND MUST BE USED WHENEVER POSSIBLE TO FLASH PIPES 1" TO 8" IN DIAMETER.

8 PREFABRICATED VENT PIPE FLASHING
3" = 1'-0"



9 COUNTERFLASHING DETAIL1
3" = 1'-0"

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
DETAILS ROOF

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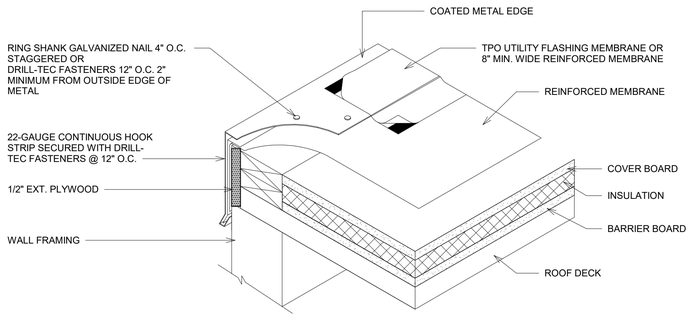
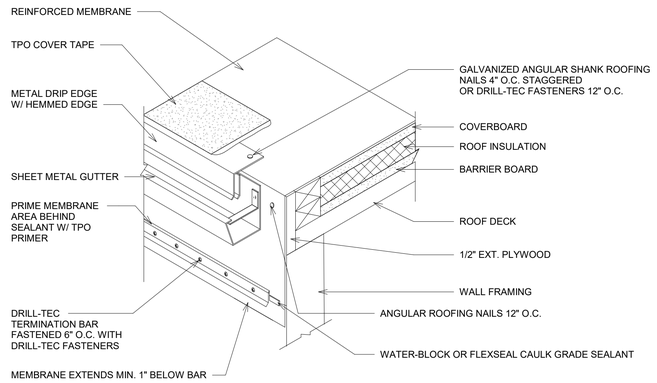


1 COATED METAL ROOF EDGE
3" = 1'-0"



2 COVER TAPE AT GUTTER EDGE DETAIL
3" = 1'-0"

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2515 Wright Ave, Twin Falls, ID 83301
ROOF DETAILS

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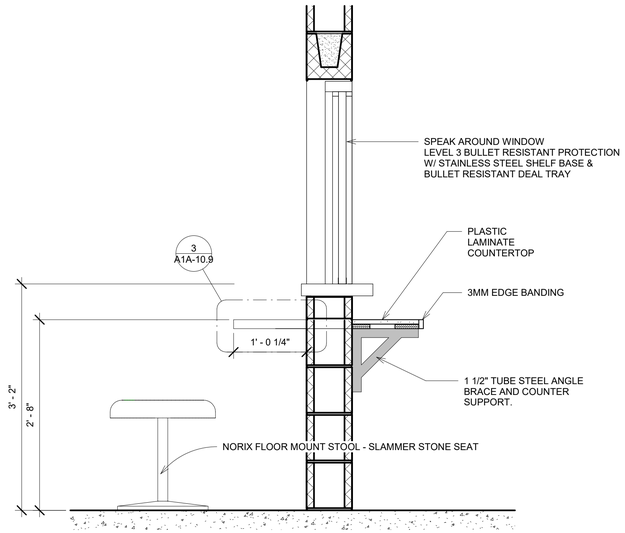
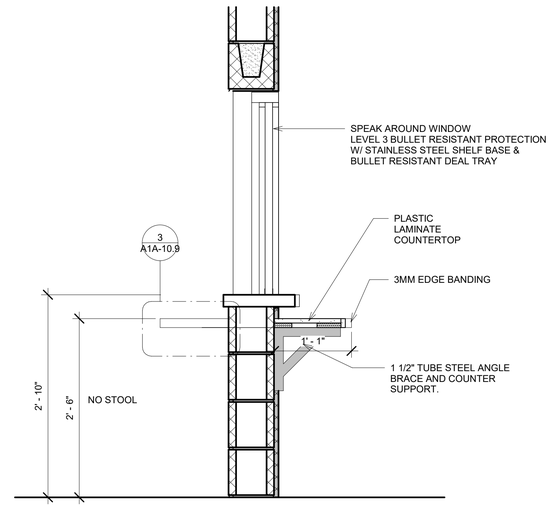
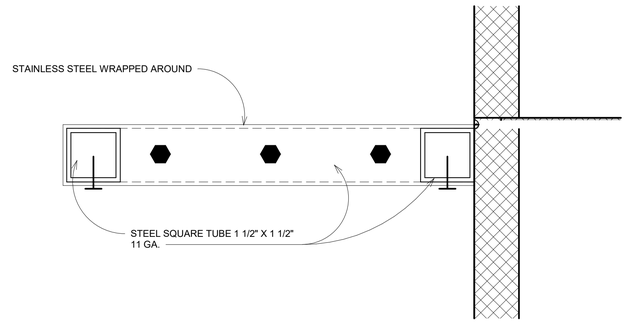


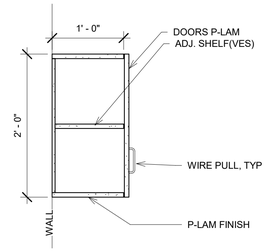
1 TYP. ATTORNEY CLIENT WINDOW (NON-ADA)
1" = 1'-0"



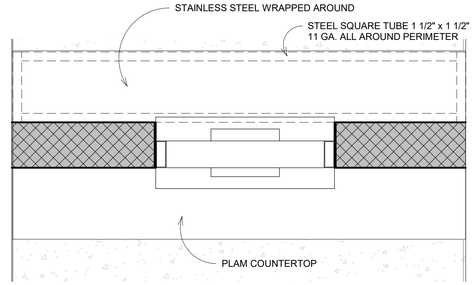
2 ADA ATTORNEY CLIENT WINDOW
1" = 1'-0"



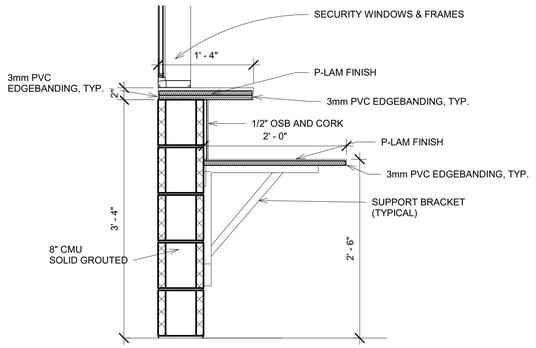
3 STAINLESS STEEL SHELF SECTION
6" = 1'-0"



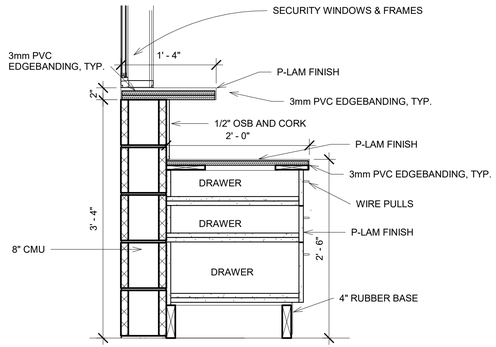
4 UPPER CASEWORK DETAIL1
1" = 1'-0"



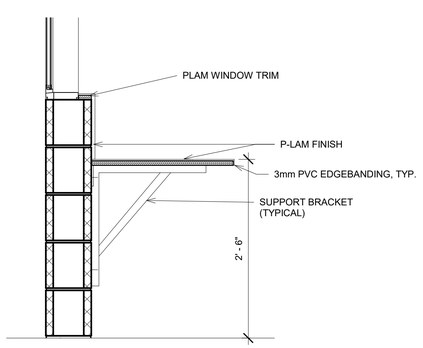
5 STAINLESS STEEL SHELF PLAN
1" = 1'-0"



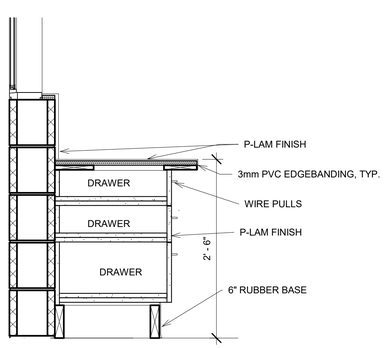
6 CONTROL CASEWORK 1
1" = 1'-0"



7 CONTROL CASEWORK 1 DRAWER
1" = 1'-0"



8 CONTROL CASEWORK 3
1" = 1'-0"



9 CONTROL CASEWORK 3 DRAWER
1" = 1'-0"

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
DETAILS CASEWORK

Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East * Twin Falls, Idaho 83301
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GENERAL STRUCTURAL NOTES

(APPLY UNLESS NOTED OTHERWISE ON PLANS/DETAILS)

GENERAL REQUIREMENTS:

1. THE STRUCTURAL SYSTEMS AND MEMBERS DEPICTED HEREIN HAVE BEEN DESIGNED PRIMARILY TO SAFEGUARD AGAINST MAJOR STRUCTURAL DAMAGE AND LOSS OF LIFE, NOT TO LIMIT DAMAGE OR MAINTAIN FUNCTION (IBC SECTION 101.3).
2. THESE DRAWINGS, AND THEIR ASSOCIATED STRUCTURAL CALCULATIONS, HAVE BEEN PERFORMED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE STRUCTURAL ENGINEER'S IN THIS OR SIMILAR LOCALITIES. THEY NECESSARILY ASSUME THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKMEN WHO HAVE A WORKING KNOWLEDGE OF THE INTERNATIONAL BUILDING CODE CONVENTIONAL FRAMING REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR FRAMING ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, IT IS UNDERSTOOD THAT THE CONTRACTOR WILL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR ALL MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION SUCH THAT DESIGN LIVE LOAD PER SQUARE FOOT AS STATED HEREIN IS NOT EXCEEDED. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, AND SHALL COORDINATE ALL DETAILS.
4. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN. TYPICAL DETAILS AND NOTES ARE NOT NECESSARILY INDICATED ON THE PLANS, BUT SHALL APPLY NONE-THE-LESS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. DETAILS MAY SHOW ONLY ONE SIDE OF CONNECTION OR MAY OMIT INFORMATION FOR CLARITY.
5. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT AND STRUCTURAL ENGINEER.
6. ANY INSPECTIONS, SPECIAL (IBC CHAPTER 17) OR OTHERWISE THAT ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR BY THESE PLANS SHALL BE DONE BY AN INDEPENDENT INSPECTION COMPANY OR THE BUILDING DEPARTMENT, SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AN OFFICIAL INSPECTION, UNLESS SPECIFICALLY CONTRACTED FOR.
7. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS, THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DRAWINGS SHALL BE FLAGGED UPON HIS REVIEW. VERIFY ALL DIMENSIONS WITH ARCHITECT. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER THE STRUCTURAL ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY. ANY ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A STRUCTURAL ENGINEER REGISTERED IN THE APPROPRIATE STATE. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER ARE NOT TO BE CONSIDERED CHANGES TO ORIGINAL DRAWINGS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY THE OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. ALLOW (5) WORKING DAYS FOR THE STRUCTURAL ENGINEER'S REVIEW. ONE COPY OF EACH SUBMITTAL WILL BE RETAINED FOR THE STRUCTURAL ENGINEER'S RECORDS.

BASIS FOR DESIGN:

1. BUILDING CODE: 2018 EDITION OF THE IBC WITH CITY/COUNTY AMENDMENTS.

   RISK CATEGORY = IV

2. VERTICAL LOADS:

LOCATION	LIVE / SNOW LOAD	DEAD LOAD
ROOF	ROOF = 30 PSF GROUND = 15 PSF	20 PSF
STAIRS	100 PSF	50 PSF

3. DEFLECTION LIMITS:

ELEMENTS	LIVE LOAD	TOTAL LOAD
ROOF TRUSSES/JOISTS	L/360	L/240
BEAMS	L/360	L/240

4. SEISMIC DESIGN PARAMETERS:

ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
IMPORTANCE FACTOR	Ie = 1.50
SITE CLASS	D (ASSUMED)
SEISMIC DESIGN CATEGORY	C
MAPPED SPECTRAL RESPONSE ACCELERATIONS	S_1 = 0.082, S_S = 0.194
DESIGN SPECTRAL RESPONSE ACCELERATIONS	S_{D1} = 0.131, S_{DS} = 0.207
PERCENT SNOW INCLUDED WITH SEISMIC LOADS	20
VERTICAL SHEAR TRANSFER ELEMENTS:	
ORDINARY REINFORCED MASONRY WALLS	R = 2, C_S = 0.155

5. WIND DESIGN PARAMETERS (STRENGTH):

ULTIMATE WIND SPEED	113 MPH (3 SECOND GUST)
WIND EXPOSURE	C
IMPORTANCE FACTOR	Iw = 1.00
INTERNAL PRESSURE COEFFICIENT	-0.18
COMPONENT AND CLADDING PRESSURE	27.1 PSF
NET UPLIFT ON ROOF	21.3 PSF

FOUNDATION NOTES:

1. IN LIEU OF A GEOTECHNICAL REPORT: THE FOUNDATION HAS BEEN DESIGNED ACCORDING TO THE RECOMMENDATIONS OF CHAPTER 18 OF THE IBC.
2. THE SOIL DESIGN VALUES LISTED BELOW HAVE BEEN APPROVED BY THE CITY/COUNTY BUILDING DEPARTMENT, CONTINGENT THAT THE SOIL ON THE SITE PREDOMINATELY CONSISTS OF SAND AND/OR GRAVEL.

   SPECIFIC SOIL CLASSIFICATIONS SHOULD BE ONE OF THE FOLLOWING: SANDY GRAVEL OR GRAVEL(GW OR GP), SAND(SW AND SP), SILTY SAND(SM), CLAYEY SAND(SC), SILTY GRAVEL(GM), OR CLAYEY GRAVEL(GC). THESE SOIL CLASSIFICATIONS CAN BE FOUND IN TABLE 1806.2 OF CHAPTER 18 OF THE IBC.

   VERIFICATION OF SOIL CLASSIFICATION IS THE RESPONSIBILITY OF THE CONTRACTOR.

THE SOIL DESIGN VALUES FOR THE FOUNDATION ARE:

ALLOWABLE BEARING PRESSURE	1500 PSF
ALLOWABLE LATERAL BEARING PRESSURE	150 PSF/FT
ALLOWABLE LATERAL SLIDING COEFFICIENT	0.25
LATERAL BACKFILL PRESSURE (UNRESTRAINED)	45 PSF/FT
LATERAL BACKFILL PRESSURE (RESTRAINED)	60 PSF/FT

3. A ONE-THIRD INCREASE IN BEARING PRESSURES IS ALLOWED WITH SEISMIC OR WIND LOAD COMBINATIONS. LATERAL BEARING AND LATERAL SLIDING RESISTANCE MAY BE COMBINED.

FOUNDATION BEARING DEPTH
24" BELOW FINISHED GRADE

4. ALL FOUNDATIONS SHALL BEAR ON COMPACTED ENGINEERED FILL OR COMPETENT NATIVE SOIL SUBBASE COMPACTED TO 95% DRY DENSITY (STANDARD PROCTOR). GRADE IS DEFINED AS LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE BUILDING FOR PERIMETER FOOTINGS. WHERE EXTERIOR PAVING OR CONCRETE IS DIRECTLY ADJACENT TO BUILDING, GRADE IS DEFINED AS TOP OF EXTERIOR PAVING AT LEAST 5 FEET FROM BUILDING. CONCRETE FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF LOOSE DEBRIS OR UN-COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.
5. CONCRETE SLABS ON GRADE SHALL BE SUPPORTED ON A 4 INCH (MIN) LAYER OF FREE-DRAINING GRANULAR MAT (DRAINAGE FILL COURSE). THE MAT SHOULD CONSIST OF A WELL GRADED SAND AND GRAVEL MIXTURE WITH MAXIMUM 3/4-INCH CRUSHED AGGREGATE. THE GRANULAR MAT SHOULD BE COMPACTED TO NO LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557.
6. BACKFILL AGAINST RESTRAINED WALLS SHALL NOT BE PLACED UNTIL AFTER THE WALLS ARE SUPPORTED BY THE COMPLETION OF INTERIOR FLOOR SYSTEMS AND CONCRETE OR GROUT STRENGTH HAS REACHED THE 28 DAY STRENGTH LISTED BELOW.

REINFORCING STEEL:

1. ASTM A615 GRADE 60 (FY = 60 KSI) DEFORMED BARS FOR ALL BARS #4 AND LARGER. ASTM A615 GRADE 40 (FY = 40 KSI) DEFORMED BARS FOR ALL BARS #3 AND SMALLER. GRADE 60 DEFORMED BARS SHALL BE USED FOR CONCRETE WALLS, BEAMS, AND ELEVATED SLAB REINFORCING.
2. WELDING OF REINFORCING BARS SHALL BE MADE ONLY TO ASTM A706 GRADE 60 BARS AND ONLY USING E90 SERIES RODS. WELDING OF REINFORCING BARS SHALL BE MADE ONLY AT LOCATIONS SHOWN ON PLANS OR DETAILS.
3. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.

STEEL:

1. MATERIALS: ROLLED W SHAPES, SHALL CONFORM TO ASTM A992 (FY=50 KSI). ALL OTHER STRUCTURAL STEEL SHAPES, ROLLED SECTIONS, BARS AND PLATES SHALL CONFORM TO ASTM A36 (FY = 36 KSI). ALL PIPE STEEL SHALL BE ASTM A501 (FY = 36 KSI) OR ASTM A53, TYPE E OR S, GRADE B (FY = 35 KSI). ALL TUBULAR STEEL SHALL BE ASTM A500 GRADE C (FY = 50 KSI).
2. ALL BOLTS AND STUDS SHALL BE ASTM A307, UNLESS NOTED OTHERWISE. ALL EXPANSION BOLTS TO HAVE CURRENT ICC REPORT RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. HEADED STUDS SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING" AND THE "STRUCTURAL WELDING CODE" PUBLISHED BY AWS. ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC. SHALL BE INSTALLED WITH STEEL WASHERS AT FACE OF WOOD OR AT SLOTTED HOLES IN STEEL SECTIONS.
3. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION.
4. WELDING SHALL BE BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. ALL WELDING SHALL USE E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. ALL WELDING PER LATEST AMERICAN WELDING SOCIETY STANDARDS. ALL WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. CONTRACTOR MAY SHOP WELD OR FIELD WELD AT HIS DISCRETION. ALL FULL PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY.
5. STEEL TO STEEL BOLTED CONNECTIONS: HIGH STRENGTH BOLTS SHALL BE ASTM A325N AND SHALL BE INSTALLED AS BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE (TYPE "N" CONNECTION UNLESS NOTED OTHERWISE). BOLTS MAY BE TIGHTENED USING ANY AISC APPROVED METHOD.
6. DRYPACK SHALL BE 5,000 PSI FIVE STAR NON-SHRINK GROUT OR EQUIVALENT. INSTALL DRYPACK UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED. AT COLUMNS, INSTALL DRYPACK UNDER BASE PLATES AFTER COLUMN HAS BEEN PLUMBED BUT PRIOR TO FLOOR OR ROOF INSTALLATION.

CONCRETE:

1. MINIMUM 28 DAY CONCRETE STRENGTH SHALL BE AS FOLLOWS:

USE:	CONCRETE STRENGTH:	MAX W/C RATIO	AIR ENTRAINMENT
FOOTINGS	3500 PSI	0.50	5.5% ± 1%
FOUNDATION WALLS	4500 PSI	0.45	5.5% ± 1%
INTERIOR CONCRETE SLABS ON GRADE	4500 PSI AT SALLY PORT 3500 PSI ELSEWHERE	0.45	N/A

2. ALL NORMAL WEIGHT CONCRETE SHALL BE REGULAR WEIGHT OF 150 POUNDS PER CUBIC FOOT USING HARD ROCK AGGREGATES. AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C33.
3. LAP SPLICES FOR BEAMS AND FLOOR SLABS SLABS SHALL BE ACCORDING TO CHAPTER 12 OF ACI 318 OR LAP SCHEDULE ON THESE DRAWINGS.

   STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES.
4. ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR" OR "CLR" ARE TO CENTER OF STEEL. MINIMUM COVER FOR NON-PRESTRESSED CONCRETE REINFORCING SHALL BE AS FOLLOWS:

LOCATION:	MINIMUM COVER	TOLERANCE
CAST AGAINST EARTH (FOOTINGS)	3"	± 3/8"
SLABS ON GRADE	1 1/2"	± 1/4"
EXPOSED TO EARTH OR WEATHER - #5 AND SMALLER	1 1/2"	± 3/8"
EXPOSED TO EARTH OR WEATHER - #6 AND LARGER	2"	± 3/8"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND ROOF SLAB	1"	1/8"
STRUCTURAL SLABS AND WALLS	3/4"	1/8"
BEAMS AND COLUMNS (PRIMARY) REINFORCEMENT, TIES, STIRRUPS AND SPIRALS	1 1/2"	3/8"

5. MAXIMUM SLUMP FOR ALL CONCRETE SHALL BE 6". PORTLAND CEMENT SHALL CONFORM TO ASTM C150. TYPE V CEMENT SHALL BE USED FOR CONCRETE IN CONTACT WITH ALKALINE SOIL, AND TYPE II ELSEWHERE.
6. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY THE TESTING AGENCY.
7. CONCRETE PLACEMENT AND QUALITY SHALL BE PER RECOMMENDATIONS IN ACI 614, ACI 301 AND ACI 318. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND AND UNDER FLOOR DUCTS, ETC. CAST CLOSURE POUR, WHERE SHOWN ON PLANS AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. REMOVE ALL DEBRIS FROM FORMS BEFORE PLACING CONCRETE.

   ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, PIPES, SLEEVES, ETC., SHALL BE SECURELY POSITIONED IN THE FORMS BEFORE PLACING THE CONCRETE.
8. ALL CONCRETE SLABS ON GRADE SHALL BE DIVIDED INTO AREAS BY CONTROL JOINTS (KEYED OR SAW CUT) SUCH THAT ONE SLAB AREA DOES NOT EXCEED A MAXIMUM LENGTH OF 24 TIMES THE SLAB THICKNESS IN BOTH DIRECTIONS (EXAMPLE: 4" SLAB = 8'-0" LENGTH). SQUARE LAYOUTS ARE PREFERRED, BUT THE SLAB GEOMETRY MAY DICTATE OTHERWISE. THE RATIO OF THE LONG TO SHORT DISTANCE SHALL NOT EXCEED 1.3. IT IS RECOMMENDED THAT SAW CUTS BE MADE WITHIN 16 HOURS OF CONCRETE BATCHING.

   KEYED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING, ALL OTHER JOINTS MAY BE SAW CUT.
9. HORIZONTAL PIPES AND ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE AND SLABS ON GRADE EXCEPT WHERE SPECIFICALLY APPROVED OR NOTED BY THE STRUCTURAL ENGINEER. PIPES AND CONDUITS SHALL NOT IMPAIR THE STRENGTH OF THE WORK.
10. FLY ASH MAY BE USED ONLY IF PERMITTED BY ARCHITECTURAL SPECIFICATIONS AND SHALL BE LIMITED TO 18 PERCENT OF CEMENTITIOUS MATERIALS AND SHALL HAVE A REPLACEMENT FACTOR OF 1.2 RELATIVE TO CEMENT REPLACED. NO FLY ASH ADDITIVES SHALL BE USED IN FLATWORK OR ARCHITECTURALLY EXPOSED CONCRETE.
11. COLD/HOT WEATHER CONCRETE CONSTRUCTION: PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH IN COMPLIANCE WITH ACI 305 AND 306.
12. CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.
13. LIMIT ALKALI-SILICA REACTION (ASR) TO 0.1% EXPANSION AT 28 DAYS IN CONCRETE MIX AT ALL EXTERIOR CONCRETE AND INTERIOR CONCRETE EXPOSED TO MOISTURE.

WOOD:

1. GENERAL: DO NOT NOTCH OR DRILL JOISTS, BEAMS, OR LOAD BEARING STUDS WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT. DOUBLE UP JOISTS AND BLOCKING UNDER PARTITIONS. PROVIDE 2" (NOMINAL) SOLID BLOCKING AT SUPPORTS OF ALL JOISTS. UNLESS NOTED OTHERWISE ON PLANS/DETAILS PROVIDE 2x SOLID BLOCKING AT MID-HEIGHT OF BEARING STUD WALLS. ALL NAILING NOT NOTED SHALL BE ACCORDING TO IBC TABLE 2304.10.1. JOIST HANGERS AND OTHER MISC. FRAMING ANCHORS SHALL BE SIMPSON STRONG-TIE COMPANY, INC. OR OTHER MANUFACTURER WITH CURRENT ICC-ES APPROVAL.
2. SAWN LUMBER: FRAMING LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) OR THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB). ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY. SAWN LUMBER SHALL HAVE THE FOLLOWING MINIMUM GRADE UNLESS NOTED OTHERWISE IN SCHEDULES:

USE:	MATERIAL:
2x4 STUDS	DOUGLAS-FIR NO. 2, MINIMUM (U.N.O.)
2x6 STUDS	DOUGLAS-FIR NO. 2, MINIMUM (U.N.O.)
JOISTS, TOP PLATES AND ALL OTHER SAWN LUMBER	DOUGLAS-FIR NO. 2, MINIMUM (U.N.O.)
BEAMS AND POSTS	DOUGLAS-FIR NO. 2, MINIMUM (U.N.O.)

3. PLYWOOD: ALL PLYWOOD SHALL BE C-D OR C-C SHEATHING CONFORMING TO STANDARD PS 1-95. LAY UP PLYWOOD WITH FACE GRAIN IN PERPENDICULAR TO SUPPORTS (ON ROOFS WHERE PLYWOOD IS LAID UP WITH FACE GRAIN PARALLEL TO SUPPORTS, USE A MINIMUM OF 5-PLY PLYWOOD, STAGGER JOINTS). ALL NAILING, COMMON NAILS. BLOCKING AT PANEL EDGES WHERE INDICATED ON PLANS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATING AND SHALL BE NAILED AS FOLLOWS UNLESS NOTED OTHERWISE ON THE PLANS:

LOCATION:	NOMINAL THICKNESS:	SPAN INDEX RATING:	EDGE ATTACHMENT:	FIELD ATTACHMENT:
WALL	7/16" OR 1/2"	24/16	8d AT 6" O.C.	8d AT 12" O.C.
ROOF	7/16" OR 1/2"	24/16	8d AT 6" O.C.	8d AT 12" O.C.
ROOF	15/32" OR 1/2"	32/16	8d AT 6" O.C.	8d AT 12" O.C.
ROOF	19/32" OR 5/8"	40/20	10d AT 6" O.C.	10d AT 12" O.C.
ROOF	23/32" OR 3/4"	48/24	10d AT 6" O.C.	10d AT 12" O.C.
ROOF	7/8"	60/32	10d AT 6" O.C.	10d AT 12" O.C.
FLOOR	3/4" T&G	48/24	10d AT 6" O.C. OR #8 SCREWS AT 6" O.C.	10d AT 6" O.C. OR #8 SCREWS AT 12" O.C.
FLOOR	7/8" T&G	60/32	10d AT 6" O.C. OR #8 SCREWS AT 6" O.C.	10d AT 6" O.C. OR #8 SCREWS AT 12" O.C.
FLOOR	1 1/8" T&G	60/48	10d AT 6" O.C. OR #8 SCREWS AT 6" O.C.	10d AT 6" O.C. OR #8 SCREWS AT 12" O.C.

   SCREWS AT FLOOR SHEATHING SHALL BE #8 SCREWS AND SHALL PENETRATE AT LEAST 1 1/2" INTO THE SUPPORTING MEMBER. ALL FLOOR SHEATHING SHALL BE GLUED TO SUPPORTING MEMBERS WITH AN APA AFG-01 QUALIFIED ADHESIVE.

   PLYWOOD ALTERNATE: AMERICAN PLYWOOD ASSOCIATION PERFORMANCE RATED SHEATHING MAY BE USED AS AN ALTERNATE TO PLYWOOD WITH PRIOR APPROVAL OF OWNER, ARCHITECT AND ROOFER. IT MAY NOT BEUSED ON ROOFS WHERE BUILT UP ROOF SYSTEM IS TO BE GUARANTEED BY ROOFER. RATED SHEATHING SHALL COMPLY WITH CURRENT ICC-ES REPORTS AND SHALL HAVE A SPAN RATING EQUIVALENT TO OR BETTER THAN THE PLYWOOD IT REPLACES. ATTACHMENT AND THICKNESS (WITHIN 1/32") SHALL BE THE SAME AS THE PLYWOOD IT REPLACES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. NOMINAL 2x AND 3x DECKING. TONGUE AND GROOVE TYPE. MINIMUM Fb = 1,600 PSI, MINIMUM E = 1,300,000 PSI. INSTALL WITH TONGUES UP SLOPE ON PITCHED ROOFS, AND OUTWARD IN THE DIRECTION OF LAYING ON FLAT ROOFS. NAIL EACH PLANK WITH 16d TOENAIL (THRU THE TONGUE) AND 16d FACE NAIL AT EACH SUPPORT. DECK SHALL BE INSTALLED AS SIMPLE SPAN WITH ALL PLANKS BEARING ON TWO SUPPORTS. FOR REFERENCE AND/OR ADDITIONAL INFORMATION SEE AITC 117-2010.
5. GLUED-LAMINATED BEAMS (GLB): GLUED-LAMINATED BEAMS SHALL BE DOUGLAS FIR COMBINATION AT 24F-V4 AT SIMPLE SPAN BEAMS AND 24F-V8 AT MULTI-SPAN AND CANTILEVERED BEAMS WITH THE FOLLOWING MINIMUM PROPERTIES: FB = 2,400 PSI, FV = 190 PSI, FC (PERPENDICULAR) = 650 PSI, E =1,800 KSI. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER LATEST AITC AND WCLA STANDARDS. BEAMS TO BEAR GRADE STAMP AND AITC STAMP AND CERTIFICATE. CAMBER AS SHOWN ON DRAWINGS. STANDARD CAMBER IS BASED ON A RADIUS OF CURVATURE OF 2000 FEET.
6. GLUED-LAMINATED COLUMNS: GLUED-LAMINATED COLUMNS SHALL BE DOUGLAS FIR COMBINATION 3 WITH THE FOLLOWING MINIMUM PROPERTIES: FBY = 2,100 PSI, FBX = 2000 PSI, FVY = 230 PSI, FVX = 265 PSI, FC (PERPENDICULAR) = 650 PSI, E =1,900 KSI. ALL COLUMNS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER LATEST AITC AND WCLA STANDARDS. COLUMNS TO BEAR GRADE STAMP AND AITC STAMP AND CERTIFICATE.
7. LAMINATED VENEER LUMBER (LVL): DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH THE LATEST ICC-ES REPORT. MINIMUM PROPERTIES FOR LVLs SHALL BE: FB = 2,600 PSI, FV = 285 PSI, E = 2,000 KSI.
8. PARALLEL STRAND LUMBER (PSL): DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH THE LATEST ICC-ES REPORT. MINIMUM PROPERTIES FOR PSLs SHALL BE: FB = 2,900 PSI, FV = 290 PSI, E = 2,000 KSI.
9. LAMINATED STRAND LUMBER (LSL): DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH THE LATEST ICC-ES REPORT. MINIMUM PROPERTIES FOR LSLs SHALL BE: FB = 2,325 PSI, FV = 310 PSI, E = 1,550 KSI.
10. SILL PLATES RESTING ON CONCRETE OR MASONRY SHALL BE OF TREATED FIR. SHEAR WALLS AND EXTERIOR WALL SILLS AT CONCRETE SLAB SHALL HAVE A MINIMUM OF (2) ANCHOR BOLTS PER PIECE. PROVIDE ANCHOR BOLT AT 9" MAXIMUM, 4" MINIMUM FROM THE END OF EACH PIECE AT SPLICE OR END OF WALL. MAXIMUM ANCHOR BOLT SPACING SHALL BE 72" ON CENTER UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. ALL ANCHOR BOLTS (OTHER THAN BOLTS FOR HOLDOWNS) SHALL EMBED 7" INTO CONCRETE. ANCHOR BOLTS FOR HOLDOWNS SHALL NOT BE CONSIDERED AS PART OF REQUIRED ANCHOR BOLTS ON SHEAR WALLS. ALL EXTERIOR WALLS SHALL BE SECURED WITH MINIMUM ANCHOR BOLTS. INTERIOR WALLS MAY BE SECURED TO CONCRETE WITH EITHER ANCHOR BOLTS OR POWER DRIVEN SHOT PINS UNLESS NOTED OTHERWISE ON PLANS.
11. BOLTING: ALL BOLTS IN WOOD CONNECTIONS SHALL CONFORM TO ASTM A307. BOLTS SHALL BE INSTALLED IN HOLES BORED WITH A BIT 1/16" LARGER THAN THE Ø (DIAMETER) OF THE BOLT. BOLTS AND NUTS SEATING ON WOOD SHALL HAVE CUT STEEL WASHERS UNDER HEADS AND NUTS. NICK THREADS TO PREVENT LOOSENING.
12. PREFABRICATED WOOD TRUSSES: PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED TO SUPPORT SELF WEIGHT PLUS LIVE LOAD AND SUPERIMPOSED DEAD LOADS. WHERE UNINHABITABLE ATTIC SPACE CAN BE USED FOR STORAGE, A 20 PSF LIVE LOAD ON THE BOTTOM CHORD SHALL BE INCLUDED IN THE ANALYSIS. BRIDGING SIZE AND SPACING BY TRUSS MANUFACTURER UNLESS NOTED OTHERWISE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER FOR REVIEW PRIOR TO MANUFACTURE FOR BOTH ROOF AND FLOOR TRUSSES WHEN USED.

    SHOP DRAWINGS SHALL SHOW ANY SPECIAL DETAILS REQUIRED AT BEARING POINTS. ALL CONNECTORS SHALL HAVE CURRENT ICC-ES APPROVAL. ADDITIONAL TRUSSES SHALL BE SUPPLIED AS REQUIRED TO SUPPORT MECHANICAL EQUIPMENT. PER IBC SECTION 2303.4 AND TPI-1: EACH TRUSS SHALL BE LEGIBLY BRANDED, MARKED OR OTHERWISE HAVE PERMANENTLY AFFIXED THERETO THE IDENTITY OF THE COMPANY MANUFACTURING THE TRUSS, THE DESIGN LOADS, AND THE TRUSS SPACING - WITHIN TWO FEET OF THE CENTER OF THE SPAN ON THE FACE OF THE BOTTOM CHORD.

    PREFABRICATED WOOD/STEEL WEB JOIST/PURLINS (TJI/TJL SERIES OR EQUAL): DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH THE LATEST EDITION ICC-ES REPORT. CONNECTIONS AND BEARING MATERIAL TO BE DESIGNED AND FURNISHED BY JOIST FABRICATOR. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH DESIGN CALCULATIONS SEALED BY A REGISTERED STRUCTURAL ENGINEER FOR REVIEW PRIOR TO MANUFACTURE. ADDITIONAL JOISTS SHALL BE SUPPLIED AS REQUIRED TO SUPPORT MECHANICAL EQUIPMENT.

DEFERRED SUBMITTAL ITEMS:

PREFABRICATED STEEL JOISTS

SYMBOLS LEGEND

(NOT ALL SYMBOLS NECESSARILY APPLY TO THIS PROJECT)

- WALLS WITH SOLID LINES DESIGNATE STRUCTURAL (BEARING) WALLS.
- WALLS WITH DASHED LINES DESIGNATE NON-STRUCTURAL (NON-BEARING) WALLS.
- WALLS WITH HATCH DESIGNATE MASONRY WALLS.
- 5, 6, 7 -AS SHOWN ON PLAN INDICATES A SHEARWALL; HATCHING IN WALL DESIGNATES SHEARWALL LENGTH.
- A, B, - AS SHOWN ON PLAN INDICATES A SHEARWALL HOLDOWN. SEE HOLDOWN SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
- RME XXX# INDICATES HVAC EQUIPMENT ON ROOF OR IN ATTIC SPACE. SEE TYPICAL DETAILS FOR FRAMING INFORMATION.
- - AS SHOWN ON PLAN INDICATES A HELICAL PIER.
- XXXX CS16, CMSTC16, ECT. - AS SHOWN AT WALL OPENINGS INDICATE STRAPPING, PROVIDE STRAPPING PER "TYPICAL STRAP AT OPENING" DETAIL.
- D=xxx# INDICATES DRAG LOAD (ASD) THAT TRUSS MANUFACTURER IS TO DESIGN TRUSS FOR IN BOTH TENSION AND COMPRESSION.
- STEP INDICATES STEPPED OR DEPRESSED SLAB.
- C=X" INDICATES CAMBER IN BEAM.
- INDICATES RIDGID CONNECTION.
- PX P1, P2, ETC. AS SHOWN ON PLAN INDICATES A WOOD POST. SEE POST SCHEDULE FOR MORE INFORMATION.
- SCX SC1, SC2, ETC. - AS SHOWN ON PLAN INDICATES A STEEL COLUMN. SEE STEEL COLUMN SCHEDULE FOR ADDITIONAL INFORMATION. COLUMNS START AT THE LEVEL THEY ARE CALLED OUT ON.

ABBREVIATIONS

A.B.C.	AGGREGATE BASE COURSE
A/C	AIR CONDITIONER
A.F.F.	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
A.B.	ANCHOR BOLT
@	AT (MEASUREMENT)
BM	BEAM
B.F.F	BELOW FINISHED FLOOR
B.O.B.	BOTTOM OF BEAM
B.O.D.	BOTTOM OF DECK
B.O.F.	BOTTOM OF FOOTING
BRG	BEARING
C.I.P.	CAST IN PLACE
C.L.	CENTERLINE
C.L.B.	CENTERLINE OF BEAM
C.L.C.	CENTERLINE OF COLUMN
C.L.F.	CENTERLINE OF FOOTING
C.L.W.	CENTERLINE OF WALL
CLR	CLEAR
CONC	CONCRETE
C.C.J.	CONCRETE CONTROL JOINT
C.S.J.	CONCRETE SAWCUT JOINT
C.M.U.	CONCRETE MASONRY UNIT
CONN.	CONNECTION
CONT.	CONTINUOUS
D.L.	DEAD LOAD
ø OR DIA.	DIAMETER
DN.	DOWN
DWG(S)	DRAWING(S)
E.O.S.	EDGE OF SLAB
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXP. BOLT	EXPANSION BOLT
EXP. JT (E.J.)	EXPANSION JOINT
(E)	EXISTING
E.W.	EACH WAY
F.F.	FINISHED FLOOR
F.O.M.	FACE OF MEMBER
F.O.S.	FACE OF STEEL
F.O.W.	FACE OF WALL
GA.	GAUGE
GALV.	GALVANIZED
GSN	GENERAL STRUCTURAL NOTES
GLB (GLULAM)	GLUED-LAMINATED BEAM
I.F.W.	INSIDE FACE OF WALL
HORIZ.	HORIZONTAL
K(KIP)	1000 POUNDS
L.L.	LIVE LOAD
LBS (#)	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MIN.	MINIMUM
MAX.	MAXIMUM
MFR('S)	MANUFACTURER('S)
M.C.J.	MASONRY CONTROL JOINT
MECH'L.	MECHANICAL
N/A	NOT APPLICABLE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.F.W.	OUTSIDE FACE OF WALL
OPP.	OPPOSITE
P.C.	PRECAST CONCRETE
PLF	POUNDS PER LINEAR FOOT
PREFAB	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REINF.	REINFORCING
SLH	SHORT LEG HORIZONTAL
SLV	SHORT LEG VERTICAL
SIM.	SIMILAR
SQ.	SQUARE
STD	STANDARD
T.L.	TOTAL LOAD
T.O.B.	TOP OF BEAM
T.O.D.	TOP OF DECK
T.O.F.	TOP OF FOOTING
T.O.L.	TOP OF LEDGER
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PLATE
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W.W.F.	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

SHEET INDEX

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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07/15/2024

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
GENERAL STRUCTURAL NOTES

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

DATE: 7.15.2024
PERMIT SET KBB
Checked
#23029
PROJECT #

S1.0

MASONRY (CONCRETE BLOCK):

MINIMUM 28 DAY MASONRY STRENGTH SHALL BE 2000 PSI.

MASONRY COMPRESSIVE STRENGTH: NET COMPRESSIVE STRENGTH OF THE OVERALL MASONRY SYSTEM (MORTAR, UNITS, AND GROUT) SHALL BE f'M=2,000 PSI (BY UNIT STRENGTH METHOD)

1. VERTICAL REINFORCING: PROVIDE AS REQUIRED PER PLAN AND SCHEDULE. REINFORCING TO BE FULL HEIGHT OF WALL. CENTERED IN GROUTED CELL, UNO. PROVIDE A MINIMUM OF ONE FULL-HEIGHT BAR AT ALL WALL INTERSECTIONS, CORNERS, WALL ENDS, JAMBS, COLUMN CORNERS AND EACH SIDE OF CONTROL JOINTS, UNO ON PLANS/DETAILS. TIE AT 8'-0" VERTICALLY, WITH SINGLE WIRE LOOP TIE OR EQUIVALENT. DOWEL ALL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH AND LAP VERTICAL WALL OR COLUMN REINFORCING.
2. CONTROL JOINTS: UNLESS NOTED OTHERWISE ON THE PLANS, PLACE CONTROL JOINTS IN MASONRY WALLS SUCH THAT NO STRAIGHT RUN OF WALL EXCEEDS 24'-0". CONTROL JOINTS SHALL NOT OCCUR AT WALL CORNERS, INTERSECTIONS, ENDS, WITHIN 24" OF CONCENTRATED POINTS OF BEARING OR JAMBS, OR OVER OPENINGS UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.
3. HORIZONTAL REINFORCING: PROVIDE AS REQUIRED PER PLAN AND SCHEDULE. (MINIMUM UNLESS NOTED OTHERWISE ON PLANS/DETAILS) ONE #5 BAR IN TOP AND BOTTOM OF 16 INCH DEEP CONTINUOUS GROUTED BOND BEAM AT ELEVATED FLOOR AND ROOF LINES.

   HORIZONTAL BARS AT TOP OF PARAPET OR FREE STANDING WALLS SHALL BE ONE #5 BAR IN CENTER OF 8 INCH DEEP CONTINUOUS GROUTED BOND BEAM.

   BOND BEAM REINFORCING AT FLOOR, ROOF OR TOP OF WALL SHALL RUN CONTINUOUS THROUGH CONTROL JOINTS, UNO. PROVIDE BENT BARS PER TYPICAL DETAILS, TO MATCH HORIZONTAL BOND BEAM REINFORCING, AT CORNERS AND WALL INTERSECTION TO MAINTAIN BOND BEAM CONTINUITY.
4. TENSION LAP SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE AS FOLLOWS:

REBAR SIZE	STANDARD LAP	RETAINING WALLS (AT FACE OF WALL)
#4	24"	30"
#5	30"	46"
#6	43"	55"
#7	60"	64"
#8	72"	72"

5. REINFORCING PLACEMENT TOLERANCES: ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR" OR "CLR" ARE TO CENTER OF STEEL. TOLERANCES FOR PLACEMENT OF VERTICAL REINFORCING SHALL BE (±) 1/2" PERPENDICULAR TO WALL AND (±) 2" ALONG THE LENGTH OF THE WALL. PROVIDE 1/2" CLEARANCE BETWEEN MASONRY UNITS AND REINFORCING, AND REINFORCING RUNNING IN THE SAME DIRECTION. LAPS MAY BE BESIDE OR OVER THE REINFORCING BEING SPLICED.
6. BLOCK QUALITY: CONCRETE BLOCK SHALL BE LIGHTWEIGHT LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. USE BOND BEAM UNITS AT HORIZONTAL REINFORCING.
7. MORTAR: MORTAR MIX SHALL CONFORM TO REQUIREMENTS OF THE ASTM C270 AND ASTM C780 STANDARDS, TYPE M OR S.
8. GROUT: GROUT SHALL CONFORM TO REQUIREMENTS OF ASTM C476. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. ALL CELLS IN CONCRETE BLOCKS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT. ALL MASONRY BELOW FINISHED FLOOR OR GRADE SHALL BE GROUTED SOLID. ALL GROUT SHALL BE MECHANICALLY VIBRATED.

   GROUT LIFTS OF 5 FEET OR LESS IS RECOMMENDED. FOR HIGHER GROUT LIFTS, CLEANOUTS (3"x3") AT THE BOTTOM OF ALL VERTICALLY REINFORCED CELLS SHALL BE PROVIDED. IN ADDITION, MECHANICAL DEVICES SHALL BE USED TO POSITION AND SECURE REINFORCING WHEN GROUT LIFTS EXCEED 5 FEET IN HEIGHT. IN SOLID GROUTED MASONRY, CLEANOUTS SHALL NOT BE SPACED MORE THAN 32" O.C.
9. BLOCK CONSTRUCTION: ALL BLOCKS SHALL BE PLACED IN RUNNING BOND CONSTRUCTION (UNLESS OTHERWISE NOTED) WITH ALL VERTICAL CELLS IN ALIGNMENT.
10. LINTELS: FULLY GROUT FOR THE DEPTH SPECIFIED ON PLANS/DETAILS. LINTELS SHALL BE SUPPORTED ON FULLY GROUTED MASONRY. BEARING SHALL NOT BE LESS THAN THE SPECIFIED JAMB LENGTH OR 8" MINIMUM. EXTEND LINTEL REINFORCING FOR A MINIMUM OF 2'-0" BEYOND THE OPENING OR PROVIDE STANDARD HOOK, SEE TYPICAL MASONRY DETAILS FOR ADDITIONAL INFORMATION.
11. PROVIDE 9 GA. GALVANIZED (ASTM A153) HORIZONTAL JOINT REINFORCEMENT, CONFORMING TO ASTM A951. PLACE IN WALLS AT 16" O.C. VERTICALLY, UNO. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN BOND BEAMS AT 8" O.C. VERTICALLY. LAP JOINT REINFORCEMENT 6" MINIMUM. JOINT REINFORCEMENT MAY BE LADDER OR TRUSS TYPE.

STEEL JOISTS AND JOIST GIRDERS:

1. SPECIFICATIONS: ALL JOISTS SHALL BE DESIGNED, FABRICATED, WELDED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS" OF THE STEEL JOIST INSTITUTE.
2. JOIST DESIGN: JOIST MANUFACTURER SHALL DESIGN AND SUBMIT CALCULATIONS BY A REGISTERED ENGINEER FOR ALL JOISTS, EXCEPT PARALLEL CHORD JOISTS WITH UNIFORM LOADS AND CONTINUOUSLY SUPPORTED COMPRESSION CHORDS PER SJI STANDARD LOAD TABLES.

   GIRDER DESIGN: JOIST MANUFACTURER SHALL DESIGN AND SUBMIT CALCULATIONS BY A REGISTERED ENGINEER FOR ALL JOIST GIRDERS.
3. CALCULATIONS: CALCULATIONS SHALL INCLUDE DEFLECTION AND CAMBER REQUIREMENTS. LIVE LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/360. TOTAL LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/240. ALL JOISTS AND JOIST GIRDERS SHALL BE CAMBERED FOR THE DESIGN DEAD LOAD. MANUFACTURER SHALL ADD ADDITIONAL WEB MEMBERS AS REQUIRED AND ADJUST CHORD AND WEB SIZES ACCORDINGLY, BUT SHALL NOT ALTER DEPTH OF JOISTS. DESIGN CALCULATIONS SHALL INCLUDE SUPERIMPOSED LOADS FOR FRAMING SUPPORTED EQUIPMENT. VERIFY SIZE, WEIGHT AND LOCATION OF EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
4. SHOP DRAWINGS: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO MANUFACTURE. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER FOR REVIEW PRIOR TO INSTALLATION. SHOP DRAWINGS AND CALCULATIONS SHALL INCLUDE DETAILS OF OPTIONAL FIELD SPLICES.
5. BEARING: ALL STEEL JOISTS/GIRDERS OR BEAMS SHALL BEAR AT A PANEL POINT. JOISTS OR BEAMS TO BE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS NOTED OTHERWISE. MANUFACTURER SHALL DESIGN JOIST SHOES WHERE BEARING LENGTH IS LESS THAN 4" AT LH SERIES JOIST AND LESS THAN 3" AT K SERIES JOIST.
6. BRIDGING: MANUFACTURERS SHALL PROVIDE BRIDGING AS REQUIRED, PER SJI SPECIFICATIONS. DO NOT WELD BOTTOM CHORD TO JOIST SUPPORT UNTIL FULL DEAD LOAD IS IN PLACE. WHERE CROSS BRIDGING INTERFERES WITH MECHANICAL INSTALLATIONS, REMOVE THIS CROSS BRIDGING AFTER TOTAL DEAD LOAD IS APPLIED AND REPLACE WITH HORIZONTAL ANGLES L2x2x3 16 AT TOP AND BOTTOM CHORDS.

STEEL DECKING:

1. PROTECT STEEL DECK FROM CORROSION, DEFORMATION, AND OTHER DAMAGE DURING DELIVERY, STORAGE AND HANDLING.

   IF GROUND STORAGE IS NEEDED, THE DECK BUNDLES MUST BE STORED OFF THE GROUND, WITH ONE END ELEVATED TO PROVIDE DRAINAGE. BUNDLES MUST BE PROTECTED AGAINST CONDENSATION WITH A VENTILATED WATERPROOF COVERING. BUNDLES MUST BE STACKED SO THERE IS NO DANGER OF TIPPING, SLIDING, ROLLING, SHIFTING OR MATERIAL DAMAGE. BUNDLES MUST BE PERIODICALLY CHECKED FOR TIGHTNESS, AND RETIGHTENED AS NECESSARY.

   DECK BUNDLES PLACED ON THE BUILDING FRAME MUST BE PLACED NEAR A MAIN SUPPORTING BEAM AT A COLUMN OR WALL. IN NO CASE ARE THE BUNDLES TO BE PLACED ON UNBOLTED FRAMES OR ON UNATTACHED AND/OR UNBRIDGED JOISTS. THE STRUCTURAL FRAME MUST BE PROPERLY BRACED TO RECEIVE THE BUNDLES.
2. EXAMINE SUPPORT FRAMING AND FIELD CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF WORK OF THIS SECTION. ALL OSHA RULES FOR ERECTION MUST BE FOLLOWED.

   PLACE DECK IN ACCORDANCE WITH APPROVED INSTALLATION DRAWINGS.

   LOCATE DECK BUNDLES TO PREVENT OVERLOADING OF SUPPORT MEMBERS.

   INSTALL DECK PANELS AND ACCESSORIES ACCORDING TO ANSI/SDI RD - 2010 AND IN ACCORDANCE WITH APPROVED INSTALLATION DRAWINGS AND REQUIREMENTS OF THIS SECTION.

   PLACE DECK PANELS ON STRUCTURAL SUPPORTS AND ADJUST TO FINAL POSITION WITH ENDS ALIGNED. ATTACH FIRMLY TO THE SUPPORTS INNEDIATELY AFTER PLACEMENT IN ORDER TO FORM A SAFE WORKING PLATFORM.

   CUT AND NEATLY FIT DECK UNITS AND ACCESSORIES AROUND OPENINGS AND OTHER WORK PROJECTING THROUGH OR ADJACENT TO THE DECKING.

   TRADES THAT SUBSEQUENTLY CUT UNSCHEDULED OPENINGS THROUGH THE DECK ARE RESPONSIBLE FOR REINFORCING THE OPENINGS.

   BEFORE PLACEMENT OF ROOF INSULATION AND ROOF COVERING, THE DECK SHALL BE INSPECTED FOR TEARS, DENTS OR OTHER DAMAGE THAT MAY PREVENT THE DECK FROM ACTING AS A STRUCTURAL ROOF BASE. THE NEED FOR REPAIR OF DAMAGED DECK SHALL BE DETERMINED BY THE ENGINEER OF RECORD BASED ON STRUCTURAL PERFORMANCE, UNLESS AESTHETICS HAVE BEEN SPECIFICALLY ADDRESSED IN THE CONTRACT DOCUMENTS.

   DO NOT USE DECK UNITS AS A WORKING PLATFORM OR STORAGE AREA UNTIL UNITS ARE IN POSITION AND PERMANENTLY ATTACHED TO THE STRUCTURE.

   CONSTRUCTION LOADS MUST NOT EXCEED LOAD CARRYING CAPACITY OF THE DECK.

POST-INSTALLED ANCHORS:

1. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES. ALL ANCHORS ARE TO BE INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.

ANCHORAGE TO CONCRETE:

ADHESIVE ANCHORS:

HILTI HIT-HY 200	PER ICC ESR-3187
HILTI HIT-RE 500 V3	PER ICC ESR-3814
SIMPSON AT-XP	PER IAPMO ER-263
SIMPSON SET-XP	PER ICC ESR-2508

MECHANICAL ANCHORS:

HILTI KWIK HUS	PER ICC ESR-3027
HILTI KWIK BOLT-TZ EXPANSION ANCHORS	PER ICC ESR-1917
SIMPSON TITEN HD	PER ICC ESR-2713
SIMPSON STRONG BOLT-2	PER ICC ESR-3037

REBAR DOWELING TO CONCRETE:

ADHESIVES:

HILTI HIT-HY 200	PER ICC ESR-3187
HILTI HIT-RE 500 V3	PER ICC ESR-3814
SIMPSON AT-XP	PER IAPMO ER-263
SIMPSON SET-XP	PER ICC ESR-2508

ANCHORAGE TO SOLID GROUTED MASONRY:

ADHESIVE ANCHORS:

HILTI HIT-HY 200	PER ICC ESR-3963
SIMPSON AT-XP	PER IAPMO ER-281
SIMPSON SET-XP	PER ICC ESR-1772

MECHANICAL ANCHORS:

HILTI KWIK BOLT-3 EXPANSION ANCHORS	PER ICC ESR-1385
HILTI KWIK BOLT-TZ EXPANSION ANCHORS	PER ICC ESR-3785
SIMPSON TITEN HD	PER ICC ESR-1056
SIMPSON STRONG BOLT-2	PER IAPMO ER-240

ANCHORAGE TO HOLLOW/MULTI-WYTHE MASONRY:

ADHESIVE ANCHORS:

HILTI HIT-HY 10 PLUS MASONRY ADHESIVE ANCHORING SYSTEM	PER ICC ESR-4143
SIMPSON AT-XP	PER IAPMO ER-281
SIMPSON SET	PER ICC ESR-1772

2. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR OR IAPMO ER SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
3. INSTALL THE ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
4. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
5. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

SPECIAL INSPECTION ITEMS:

1. THE OWNER OR THE OWNER'S AUTHORIZED AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION ON THE TYPES OF WORK SPECIFIED PER IBC SECTION 1705 AND IDENTIFY THE APPROVED AGENCIES TO THE BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE REQUIRED AS FOLLOWS:

VERIFICATION AND INSPECTION OF STRUCTURAL STEEL

		VERIFICATION AND INSPECTION	OBSERVE	PERFORM
1.		▯ INSPECTION TASKS PRIOR TO WELDING (TABLE N5.4-1)	▯ ▯	
	A.	WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	X	
	B.	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE		X
	C.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE		X
	D.	MATERIAL IDENTIFICATION (TYPE/GRADE)	X	
	E.	WELDER IDENTIFICATIONS SYSTEM (THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. (STAMPS, IF USED, SHALL BE THE LOW STRESS TYPE)	X	
	F.	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY), JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION) , BACKING TYPE AND FIT (IF APPLICABLE)	X	
	G.	FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY), JOINT PREPARATIONS, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION	X	
	H.	CONFIGURATION AND FINISH OF ACCESS HOLES	X	
	I.	FIT-UP OF FILLET WELDS, DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION)	X	
	J.	CHECK WELDING EQUIPMENT	-	-
2.		INSPECTION TASKS DURING WELDING (TABLE N5.4-2)	▯ ▯	
	A.	CONTROL AND HANDLING OF WELDING CONSUMABLES, PACKAGING, EXPOSURE CONTROL	X	
	B.	NO WELDING OVER CRACKED TACK WELDS	X	
	C.	ENVIRONMENTAL CONDITIONS, WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE	X	
	D.	WELDING PROCEDURE SPECIFICATIONS (WPS) FOLLOWED, SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.), PROPER POSITION (F, V, H, OH)	X	
	E.	WELDING TECHNIQUES, INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS	X	
	F.	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS		X
3.		INSPECTION TASKS AFTER WELDING (TABLE N5.4-3)	▯ ▯	
	A.	WELDS CLEANED	X	
	B.	SIZE LENGTH AND LOCATION OF WELDS		X
	C.	WELDS MEET VISUAL ACCEPTANCE CRITERIA, CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, POROSITY		X
	D.	ARC STRIKES		X
	E.	K-AREA (WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) OF THE WELD).		X
	F.	WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES (AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS)		X
	G.	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)		X
	H.	REPAIR ACTIVITIES		X
	I.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER		X
	J.	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	X	
4.		INSPECTION TASKS PRIOR TO BOLTING (TABLE N5.6-1)	▯ ▯	
	A.	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS		X
	B.	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	X	
	C.	CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	X	
	D.	CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	X	
	E.	CONNECTION ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	X	
	F.	PRE-INSTALLED VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	X	
	G.	PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	X	
5.		INSPECTION TASKS DURING BOLTING (TABLE N5.6-2)	▯ ▯	
	A.	FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	X	
	B.	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	X	
	C.	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	X	
	D.	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARDS THE FREE EDGES	X	
6.		INSPECTION TASKS AFTER BOLTING (TABLE N5.6-3)	▯ ▯	
	A.	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS		X
7.		INSPECTOR SHALL BE ON PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL. THE INSPECTOR SHALL INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPLICABLE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS (SECTION N5.7)	X	

SPECIAL INSPECTION FOR MASONRY LEVEL 3 (TMS602)

		TYPE	CONTINUOUS	PERIODIC
1.		PRIOR TO CONSTRUCTION, VERIFY CERTIFICATES OF COMPLIANCE USED IN MASONRY CONSTRUCTION		X
2.		PRIOR TO CONSTRUCTION, VERIFICATION OF F'm AND F'AAC, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.		X
3.		DURING CONSTRUCITON, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE.		X
4.		DURING CONSTRUCTION, VERIFICATION OF F'm AND F'AAC FOR EVERY 5,000 SQ. FT.		X
5.		DURING CONSTRUCTION, VERIFICATION OF PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.		X
6.		AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
	A.	PROPORTIONS OF SITE-PREPARED MORTAR		X
	B.	GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES		X
	C.	GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES		X
	D.	PRESTRESSING TECHNIQUE		X
	E.	PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X	
	F.	SAMPLE PANEL CONSTRUCTION	X	
7.		PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
	A.	GROUT SPACE	X	
	B.	PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES		X
	C.	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	X	
	D.	PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS		X
8.		VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:		
	A.	MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS		X
	B.	PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION		X
	C.	SIZE AND LOCATION OF STRUCTURAL MEMBERS		X
	D.	TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	X	
	E.	WELDING OF REINFORCEMENT	X	
	F.	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)		X
	G.	APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X	
	H.	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X	
	I.	PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X	
9.		OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	X	

VERIFICATION AND INSPECTION OF STEEL DECK (PER SDI QA/QC)

		VERIFICATION AND INSPECTION	OBSERVE	PERFORM
1.		▯ INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT (TABLE 1.1)	▯ ▯	
	A.	VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS		X
	B.	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES		X
2.		▯ INSPECTION OR EXECUTION TASKS AFTER TO DECK PLACEMENT (TABLE 1.2)	▯ ▯	
	A.	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS		X
	B.	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS		X
	C.	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES		X
3.		▯ INSPECTION OR EXECUTION TASKS PRIOR TO WELDING (TABLE 1.3)	▯ ▯	
	A.	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	X	
	B.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	X	
	C.	MATERIAL IDENTIFICATION (TYPE/GRADE)	X	
	D.	CHECK WELDING EQUIPMENT	X	
4.		▯ INSPECTION OR EXECUTION TASKS DURING WELDING (TABLE 1.4)	▯ ▯	
	A.	USE OF QUALIFIED WELDERS	X	
	B.	CONTROL AND HANDLING OF WELDING CONSUMABLES	X	
	C.	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	X	
	D.	WPS FOLLOWED	X	
5.		▯ INSPECTION OR EXECUTION TASKS AFTER WELDING (TABLE 1.5)	▯ ▯	
	A.	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS		X
	B.	WELDS MEET VISUAL ACCEPTANCE CRITERIA		X
	C.	VERIFY REPAIR ACTIVITIES		X
	D.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS		X
6.		▯ INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING (TABLE 1.6)	▯ ▯	
	A.	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	X	
	B.	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	X	
	C.	PROPER STORAGE FOR MECHANICAL FASTENERS	X	
7.		▯ INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING (TABLE 1.7)	▯ ▯	
	A.	FASTENERS ARE POSITIONED AS REQUIRED	X	
	B.	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	X	
8.		▯ INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING (TABLE 1.8)	▯ ▯	
	A.	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS		X
	B.	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS		X
	C.	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS		X
	D.	VERIFY REPAIR ACTIVITIES		X
	E.	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS		X

SPECIAL INSPECTION AND TESTS OF SOILS (IBC TABLE 1705.6) (WITHOUT GEOTECH REPORT)

	TYPE	CONTINUOUS	PERIODIC
1.	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 D1557.		X
2.	VERIFY THAT THE COMPACTED FILL ALLOWABLE BEARING PRESSURE IS NOT LESS THAN 1500 PSF.		X

SPECIAL INSPECTION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC TABLE 1705.2.3)

		TYPE	CONTINUOUS	PERIODIC
1.		OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.		
	A.	END CONNECTIONS - WELDING OR BOLTED		X
	B.	BRIDGING - HORIZONTAL OR DIAGONAL		
		1. STANDARD BRIDGING		X
		2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1		X

QUALITY ASSURANCE PROGRAM:

A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.

B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE STRUCTURAL ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

Ridge Structural Engineering
1152 Bond Avenue, Suite B
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contact@ridgestructural.com

PROFESSIONAL ENGINEER
LICENSED
14134
STATE OF IDAHO
DAVID B. PORTER
07/15/2024

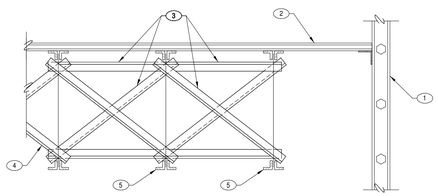
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
GENERAL STRUCTURAL NOTES

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

DATE: 7.15.2024
PERMIT SET
KBB
Checked
#23029
PROJECT #

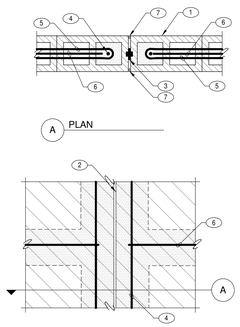
S1.1



HORIZONTAL OR CROSS BRIDGING

KEYNOTES:
1. STEEL STUD WALL, NO BRIDGING ATTACHMENT
2. STEEL DECK
3. HORIZONTAL AND DIAGONAL BRIDGING IN LAST (2) BAYS ADJACENT TO STEEL STUD WALL
4. BRIDGING PER MANUFACTURERS RECOMMENDATION
5. STEEL JOIST

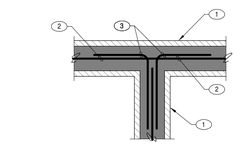
T12 TYPICAL JOIST BRIDGING ADJACENT TO STEEL STUDWALL
SCALE: NTS



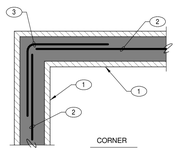
KEYNOTES:
1. MASONRY WALL
2. CONTROL JOINT
3. CONTROL JOINT MATERIAL PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS
4. A(1) VERTICAL BAR EACH SIDE IN SOLID GROUTED CELLS TO MATCH VERTICAL WALL REINFORCING
5. #3 x 32" LONG (16" EACH LEG) HAIRPIN AT HORIZONTAL BAR SPACING
6. TYPICAL HORIZONTAL BAR
7. EXTERIOR GRADE SEALANT OVER BACKER ROD

NOTES:
A. BOND BEAM BARS AT FLOOR AND ROOF LINES SHALL RUN CONTINUOUS THROUGH CONTROL JOINT

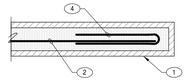
T13 CONTROL JOINT IN MASONRY WALL
SCALE: NTS



INTERSECTION



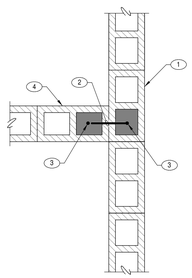
CORNER



END WALL

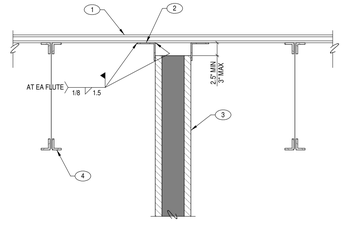
KEYNOTES:
1. MASONRY WALL
2. 5BOND BEAM REINFORCING
3. CORNER BARS SAME SIZE AND SPACING AS HORIZONTAL REINFORCING - MINIMUM LAP PER GSN
4. END #4 x 38" LONG (19" EACH LEG) HAIRPIN AT SAME SPACING AS HORIZONTAL REINFORCING

T14 PLAN - CORNER AND END REINFORCING IN MASONRY WALLS
SCALE: NTS



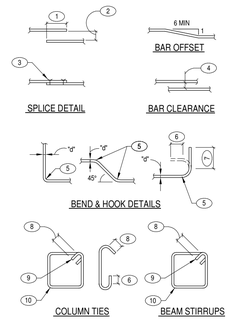
KEYNOTES:
1. MASONRY WALL
2. 1/2" DIA x 8" LONG SMOOTH DOWEL AT 48" O.C.
3. (1) VERTICAL BAR AT GROUTED CELLS AT END AND AT INTERSECTION OF WALLS
4. MASONRY PARTITION WALL (NON-BEARING) WHICH ABUTS CONTINUOUS MASONRY WALL AND IS NOT TOOTHED INTO IT

T15 PLAN - MASONRY PARTITION WALL AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. STEEL DECK
2. 14x4x1/4 x 12" LONG STEEL ANGLES AT 36" O.C. EACH SIDE OF MASONRY WALL
3. MASONRY WALL
4. STEEL JOIST

T8 TYPICAL INTERIOR MASONRY WALL PARALLEL W/ JOISTS (NON-BEARING)
SCALE: NTS



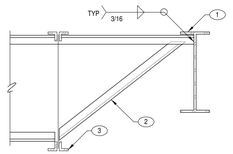
KEYNOTES:
1. LAP - SEE GSN FOR MASONRY AND TYPICAL DETAIL FOR CONCRETE REQUIREMENTS
2. MAXIMUM 1'5 LAP BUT NOT MORE THAN 6"
3. WIRE TIES
4. 1d (1" MINIMUM)
5. RADIUS = 3d FOR BARS NOT OVER #8; 4d FOR #9, #10, AND #11 BARS; 5d FOR #14 AND #18 BARS, 5d FOR ALL GRADE 40 BARS WITH 180° HOOK
6. 4D (4" MINIMUM)
7. 12d (90° HOOK)
8. 6d (4" MINIMUM)
9. 135° BEND
10. BEND AROUND 1 1/2" PIN FOR #3 BARS. BEND AROUND 2" PIN FOR #4 BARS. BEND AROUND 1 1/2" PIN FOR #5 BARS

T9 TYPICAL REINFORCING DETAIL
SCALE: NTS

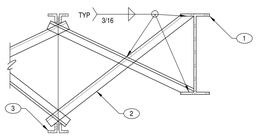
BAR SIZE	CLASS B TENSION SPLICE LENGTHS					
	f'c = 3,000 PSI		f'c = 4,000 PSI		f'c = 5,000 PSI	
	HORIZONTAL BARS W/ >12" OF CONC. BELOW	VERTICAL AND BOTTOM HORIZONTAL BARS	HORIZONTAL BARS W/ >12" OF CONC. BELOW	VERTICAL AND BOTTOM HORIZONTAL BARS	HORIZONTAL BARS W/ >12" OF CONC. BELOW	VERTICAL AND BOTTOM HORIZONTAL BARS
#3	12"	12"	12"	12"	12"	12"
#4	19"	15"	17"	13"	15"	12"
#5	29"	23"	26"	20"	23"	18"
#6	32"	25"	28"	21"	25"	19"
#7	54"	41"	47"	36"	42"	32"
#8	70"	54"	61"	47"	54"	42"
#9	89"	68"	77"	59"	69"	53"
#10	112"	87"	97"	75"	87"	67"

NOTES:
1. TOP BARS ARE ANY HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT
2. UNLESS NOTED OTHERWISE, LAP SPLICES IN CONCRETE BEAMS, SLABS AND WALLS SHALL BE CLASS "B" TENSION LAP SPLICES.

T10 STEEL REINFORCING LAP SPLICES IN CONCRETE
SCALE: NTS



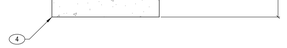
HORIZONTAL BRIDGING



CROSS BRIDGING

KEYNOTES:
1. STEEL BEAM
2. BRIDGING PER MANUFACTURER'S RECOMMENDATIONS
3. STEEL JOIST

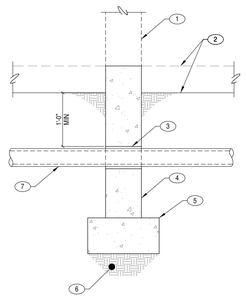
T11 TYPICAL JOIST BRIDGING DETAIL AT STEEL BEAM
SCALE: NTS



NOTES:
A. FOR ADDITIONAL INFORMATION, SEE PLANS AND DETAILS

KEYNOTES:
1. SLOPED FINISH GRADE
2. MINIMUM FOOTING DEPTH PER GSN (12" MINIMUM)
3. DEEPEN FOOTING AS REQUIRED TO ACCOUNT FOR SLOPED GRADE
4. CONCRETE FOOTING

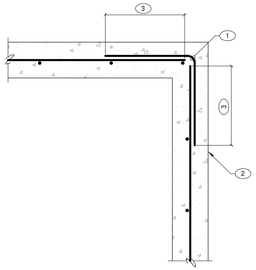
T4 TYPICAL DETAIL FOR FOUNDATION EMBEDMENT
SCALE: NTS



NOTES:
A. XNO PIPE SHALL PASS THROUGH FOOTINGS OR UNDER COLUMN FOOTINGS. FOR ADDITIONAL INFORMATION SEE PLANS AND DETAILS
B. MULTIPLE PIPES/CONDUIT SLEEVES ALLOWED PROVIDED SLEEVES ARE SPACED W/ MINIMUM OF 2x SLEEVE DIAMETER BETWEEN SLEEVES
C. SLEEVES SHALL NOT OCCUR WITHIN 12" OF POINT LOADS OR HOLDOWN ANCHORS

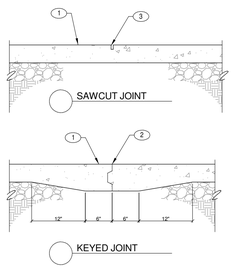
KEYNOTES:
1. WALL AS OCCURS, SEE PLAN
2. SIDEWALK, PAVEMENT, OR FINISH GRADE PER ARCH
3. SLEEVE, 8" DIA MAX, PROVIDE 1/2" MINIMUM CLEARANCE AROUND PIPE/CONDUIT
4. CONCRETE WALL, SEE PLAN
5. CONCRETE FOOTING, SEE PLAN
6. COMPACTED SUB-GRADE BELOW FOOTING, SEE PLAN
7. PIPE OR CONDUIT

T5 TYPICAL PIPE THROUGH STEM WALL
SCALE: NTS



KEYNOTES:
1. CORNER DOWELS TO MATCH HORIZONTAL REINFORCEMENT
2. CONCRETE WALL WITH REINFORCEMENT
3. LAP SPLICE PER TYPICAL STEEL REINFORCING LAP SPLICES IN CONCRETE DETAIL

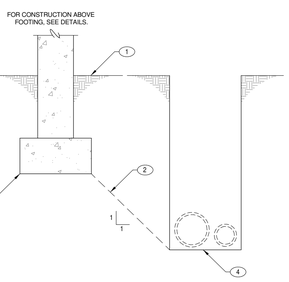
T6 TYPICAL CONCRETE CORNER
SCALE: NTS



KEYNOTES:
1. CONCRETE SLAB ON GRADE
2. CONTINUOUS KEYED JOINT
3. SAWCUT 1/8" WIDE x 1/4 SLAB THICKNESS IN DEPTH - CUT SHALL BE MADE SOON ENOUGH TO PREVENT SHRINKAGE CRACKING, BUT NOT SO SOON AS TO CAUSE SPALLING OF THE CONCRETE WHILE SAWING. WORK MUST BE COMPLETE WITHIN 16 HOURS OF CONCRETE PLACEMENT.

NOTES:
A. KEYED JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING PLACEMENT UNLESS SPECIFICALLY NOTED ON THE PLANS
B. "TOOL WET JOINT", "ZIP STRIP", ETC SHALL MATCH SAWCUT REQUIREMENTS

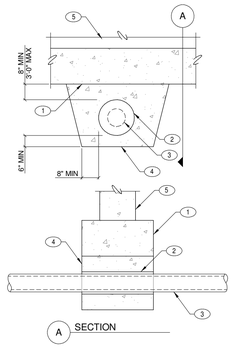
T7 CONTROL JOINTS IN CONCRETE SLAB ON GRADE
SCALE: NTS



KEYNOTES:
1. FINISHED GRADE WHERE OCCURS
2. DO NOT EXCAVATE A TRENCH CLOSER THAN 45° ANGLE TO BELOW BOTTOM FOOTING OR FOUNDATION
3. BOTTOM OF CONCRETE FOOTING
4. BOTTOM OF TRENCH

NOTES:
A. DO NOT UNDERCUT EXISTING FOOTINGS
B. NO PIPE OR OTHER UTILITIES SHALL PASS THRU WALL FOOTINGS OR UNDER COLUMN FOOTINGS

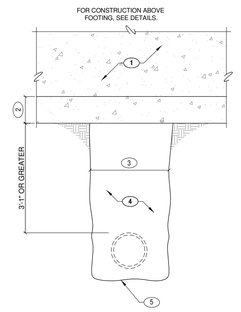
T1 TRENCH PARALLEL TO CONTINUOUS STRIP FOOTING
SCALE: NTS



KEYNOTES:
1. CONCRETE FOOTING
2. SLEEVE - PROVIDE 1/2" MINIMUM CLEARANCE AROUND PIPE OR CONDUIT
3. PIPE OR CONDUIT
4. CONCRETE FILL TO BE PLACED BEFORE FOOTING IS POURED - FORM SAME AS FOOTING AND POUR FULL WIDTH OF PIPE TRENCH
5. STEM WALL

NOTES:
A. NO PIPE SHALL PASS THRU FOOTING OR UNDER COLUMN FOOTINGS. FOR TRENCHES GREATER THAN 3'-6" BELOW BOTTOM OF FOOTING, SEE PIPE PASSING BELOW WALL FOOTING DETAIL.

T2 PIPE PASSING UNDER WALL FOOTING IN SHALLOW TRENCH
SCALE: NTS



KEYNOTES:
1. STEM WALL
2. CONCRETE FOOTING
3. 1'-6" MAXIMUM (WHERE TRENCH EXCEEDS 1'-6" NOTIFY STRUCTURAL ENGINEER PRIOR TO PLACEMENT OF FOOTINGS)
4. BACKFILL AND RECOMPACT TRENCH PER SOILS REPORT AND SPECIFICATIONS
5. BOTTOM OF TRENCH

NOTES:
A. DO NOT UNDERCUT EXISTING FOOTINGS
B. NO PIPES OR OTHER UTILITIES SHALL PASS THRU WALL FOOTINGS OR UNDER COLUMN FOOTINGS

T3 PIPE PASSING BELOW FOOTING IN DEEP TRENCH
SCALE: NTS

PROFESSIONAL ENGINEER LICENSED 14134 STATE OF IDAHO DAVID B. PORTER
DBP
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DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
TYPICAL DETAILS

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134 3RD Ave East, * Twin Falls, Idaho 83301
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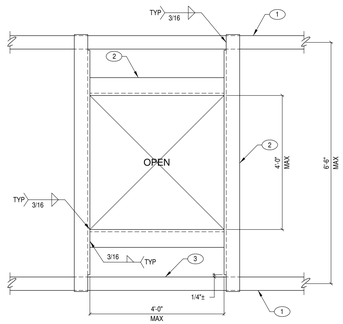
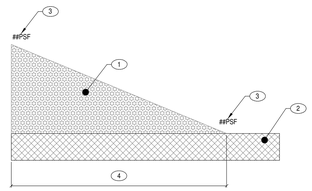


KEYNOTES:
1. ROOF FRAMING MEMBER
2. ANGLE 4"x4"x1/4"
3. FACE OF FRAMING MEMBER

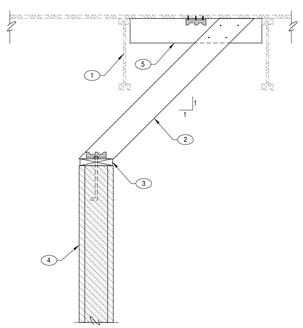
T24 PLAN - TYPICAL OPENING IN ROOF FRAMING
SCALE: NTS



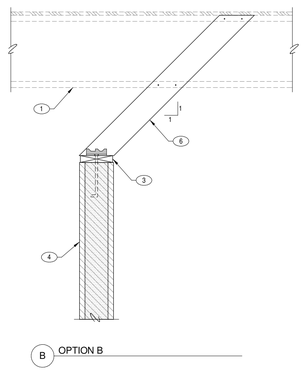
KEYNOTES:
1. SURCHARGE OR DRIFT SNOW LOAD AREA, SEE PLAN
2. BALANCED ROOF SNOW LOAD, SEE GSN
3. REQUIRED LOAD INCREASE, SEE PLAN
4. EXTENT OF SURCHARGE OR DRIFT LOAD, SEE PLAN

NOTES:
A. SURCHARGE AND DRIFT LOADS ARE IN ADDITION TO ROOF BALANCED SNOW LOAD

T25 TYPICAL ROOF SNOW SURCHARGE / DRIFT LOAD
SCALE: NTS



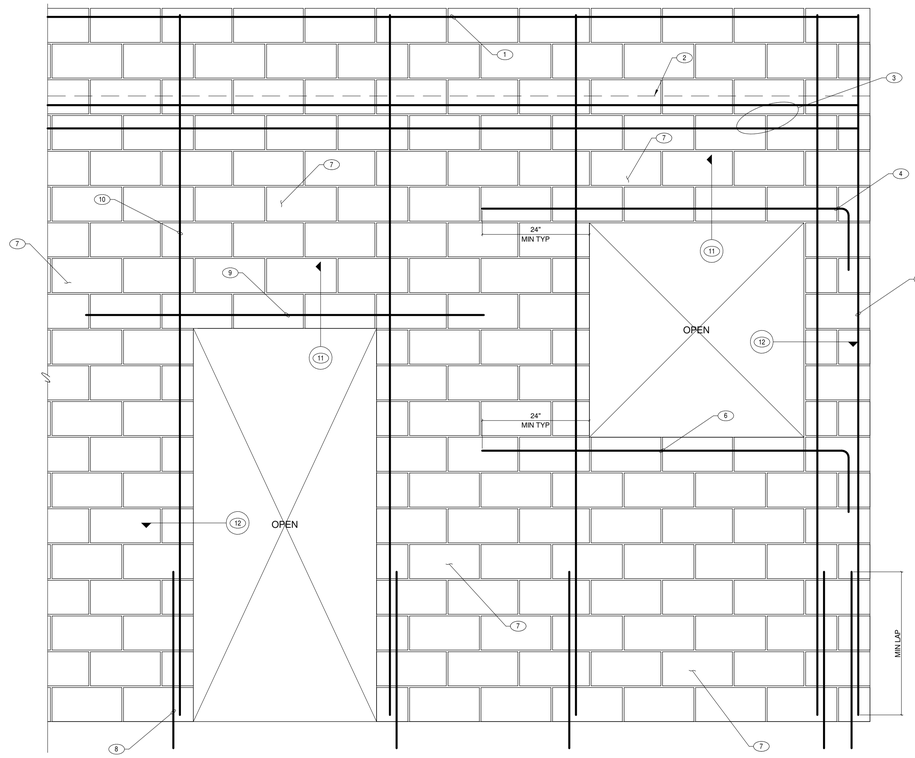
A OPTION A



B OPTION B

KEYNOTES:
1. EXISTING ROOF FRAMING
2. 2x6 KICKER SPACED AT 6'-0" O.C. (MAX) W/ (4) 16d NAILS INTO BLOCK AND (1) A35 CLIP AT PT PLATE
3. CONTINUOUS 2x PT PLATE W/ 5/8" DIA ANCHOR BOLTS AT 32" O.C. W/ 5" MINIMUM EMBEDMENT
4. MASONRY WALL
5. 2x6 BLOCK AT EACH KICKER, ATTACH TO UNDERSIDE OF EXISTING ROOF SHEATHING W/ (1) A35 CLIP, CLIP INSTALLED USING 1/2" LONG SCREWS
6. 2x6 KICKER SPACED AT 6'-0" O.C. (MAX) W/ (4) 16d NAILS INTO EXISTING JOISTS AND (1) A35 CLIP AT PT PLATE

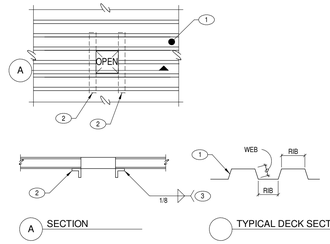
T26 TYPICAL INTERIOR MASONRY WALL (NON-BEARING)
SCALE: NTS



KEYNOTES:
1. 8" DEEP BOND BEAM W/ (1) #5 CONTINUOUS AT TOP OF PARAPET
2. ROOF LINE
3. 16" DEEP BOND BEAM W/ (2) #5 CONTINUOUS AT ROOF AND FLOOR LINES
4. PROVIDE 90° STANDARD HOOK WHERE LINTEL REINFORCING EXTENDS LESS THAN 24" BEYOND OPENING
5. TYPICAL CORNER OR JAMB VERTICAL BARS
6. PROVIDE (1) #5 HORIZONTAL BAR BELOW OPENINGS
7. TYPICAL WALL REINFORCING, SEE PLAN
8. FOUNDATION VERTICAL DOWEL, MATCH ALL VERTICAL WALL REINFORCING
9. LINTEL REINFORCING, SEE PLAN
10. FULL HEIGHT VERTICAL JAMB REINFORCING, SEE PLAN
11. SEE TYPICAL MASONRY LINTEL DETAIL
12. SEE TYPICAL MASONRY JAMB DETAIL

NOTES:
A. GROUT ALL CELLS CONTAINING REINFORCING, SEE PLAN FOR LOCATION OF WALLS REQUIRING FULL GROUTING
B. SPECIAL INSPECTION REQUIRED, SEE GSN
C. SEE PLAN AND CORRESPONDING DETAILS FOR LINTEL AND JAMB REINFORCING REQUIREMENTS

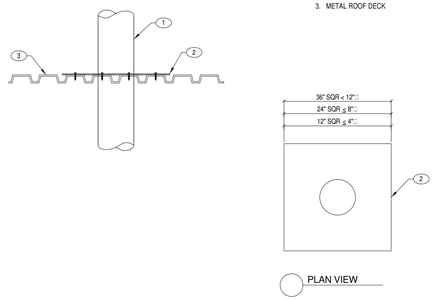
T19 TYPICAL MASONRY WALL REINFORCING AROUND OPENINGS - ELEVATION
SCALE: NTS



KEYNOTES:
1. STEEL DECK
2. ANGLE SUPPORT L2x2x3/16 BELOW DECK, ANGLE MAY BE PLACED ON TOP OF DECK W/ PRIOR APPROVAL OF ARCHITECT
3. WELD 2" AT EACH RIB, TYPICAL

NOTES:
A. AN OPENING WHICH CUTS ONE WEB (4" MAX DIMENSION PERPENDICULAR TO RIBS), MAY BE CUT IN DECK WITHOUT AND SPECIAL REINFORCING
B. AN OPENING WHICH CUTS TWO WEB (8" MAX DIMENSION PERPENDICULAR TO RIBS), WILL REQUIRE ANGLE SUPPORT SHOWN ABOVE
C. ANY OPENING WHICH CUTS MORE THAN TWO WEBS, FRAME OPENING W/ TYPICAL ANGLE SUPPORT FRAME, SEE TYPICAL OPENING IN STEEL DECK DETAIL

T22 TYPICAL SMALL OPENING IN STEEL DECK
SCALE: NTS

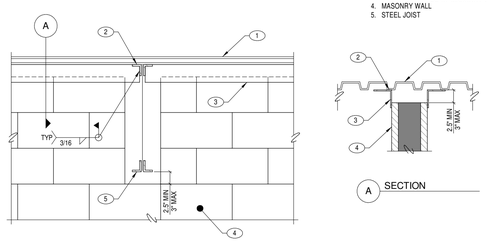


KEYNOTES:
1. PIPE SLEEVE
2. 18 GA PLATE W/ #10 SHEET METAL SCREWS AT 6" O.C., EACH WAY
3. METAL ROOF DECK

T23 TYPICAL PIPE SLEEVE THROUGH ROOF DECK
SCALE: NTS

KEYNOTES:
1. STEEL JOIST
2. FOR 'K' JOIST PROVIDE 1/8" WELD, FOR "LH" AND "DLH" PROVIDE 1/4" WELD
3. BASE PLATE OR STEEL FRAMING
4. WELD PER PLAN

T20 TYPICAL STEEL JOIST ATTACHMENT
SCALE: NTS



KEYNOTES:
1. STEEL DECK
2. BOUNDARY ATTACHMENT
3. L4x4x1/4 STEEL ANGLES BETWEEN JOISTS EACH SIDE OF MASONRY WALL
4. MASONRY WALL
5. STEEL JOIST

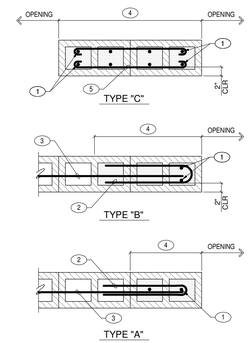
NOTES:
A. ALL OTHER FRAMING NOT SHOWN FOR CLARITY

T21 TYPICAL INTERIOR MASONRY WALL PERPENDICULAR W/ JOISTS (NON-BEARING)
SCALE: NTS

KEYNOTES:
1. CONTINUE STANDARD WALL REINFORCING THROUGH THE MASONRY LINTEL
2. SOLID GROUT ALL LINTELS AND 2'-0" MIN INTO ADJACENT WALLS
3. TIES TO EXTEND AND HOOK BOTTOM LINTEL REINFORCEMENT
4. MASONRY LINTELS REINFORCEMENT, SEE SCHEDULE

NOTES:
A. SEE GSN FOR SPECIAL INSPECTION REQUIREMENTS OF MASONRY LINTELS
B. ANY BAR SPLICES SHALL HAVE A MINIMUM LENGTH OF 72 BAR DIA
C. PROVIDE 90° STANDARD HOOK WHERE HORIZONTAL REINFORCING DOES NOT EXTEND 2'-0" BEYOND OPENING

T16 TYPICAL MASONRY LINTEL
SCALE: NTS

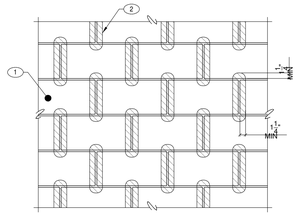


KEYNOTES:
1. VERTICAL BAR
2. #3 x 36" LONG (18" EACH LEG) HAIRPIN AT HORIZONTAL BAR SPACING
3. TYPICAL HORIZONTAL BAR
4. JAMB LENGTH PER PLAN, SOLID GROUT
5. (2) #4 HORIZONTAL BARS AT 48" O.C. W/ HOOKS EACH END

NOTES:
A. PROVIDE FOUNDATION VERTICAL DOWEL TO MATCH AND LAP W/ VERTICAL JAMB REINFORCING

T17 PLAN - TYPICAL MASONRY JAMB
SCALE: NTS

KEYNOTES:
1. MASONRY WALL
2. ANCHOR INSTALLATION NOT ALLOWED IN HATCHED AREAS, TYPICAL



T18 POST-INSTALLED ANCHORS IN MASONRY WALLS
SCALE: NTS

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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PROFESSIONAL ENGINEER LICENSED 14134 STATE OF IDAHO DAVID B. PORTER
07/15/2024

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
TYPICAL DETAILS

Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East, * Twin Falls, Idaho 83301
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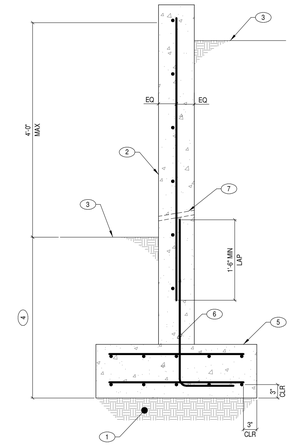
S1.3

KEYNOTES:

1. COMPACTED SUB-GRADE BELOW FOOTING, SEE PLAN
2. 8" THICK CONCRETE WALL W/ #4 AT 18" O.C. VERTICAL AND #4 AT 12" O.C. HORIZONTAL
3. SIDEWALK, PAVEMENT, OR FINISH GRADE PER CIVIL
4. MINIMUM FOOTING DEPTH, 24"
5. 36" WIDE x 12" THICK FOOTING W/ (5) #4 CONT AND #4 AT 18" O.C. TRANSVERSE, TOP AND BOTTOM
6. HOOKED DOWEL TO MATCH WALL VERTICAL REINFORCING
7. 2" DIA WEEP HOLES AT 6'-0" O.C. MAX SPACING



T27 **TYPICAL SITE RETAINING WALL 4'-0"**
SCALE: NTS

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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S1.4

WALL (W) SCHEDULE

TYPE	MATERIAL	THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING	REMARKS
W1	CONCRETE	8"	#4 AT 18" O.C.	#4 AT 12" O.C.	---
W2	MASONRY	8"	#5 AT 32" O.C.	(2) #4 AT 48" O.C.	SOLID GROUTED
W3	MASONRY	6"	#5 AT 32" O.C.	#5 AT 48" O.C.	SOLID GROUTED

FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	REMARKS
F36	36"	36"	10"	(4) #4 EACH WAY BOTTOM	---
F42	42"	42"	10"	(5) #4 EACH WAY BOTTOM	---
F48	48"	48"	10"	(4) #5 EACH WAY BOTTOM	---
WF24	CONT	24"	12"	(2) #4 CONT BOTTOM	STRIP FOOTING

MASONRY JAMB (MJ) SCHEDULE

SEE TYPICAL JAMB DETAIL FOR ADDITIONAL INFORMATION

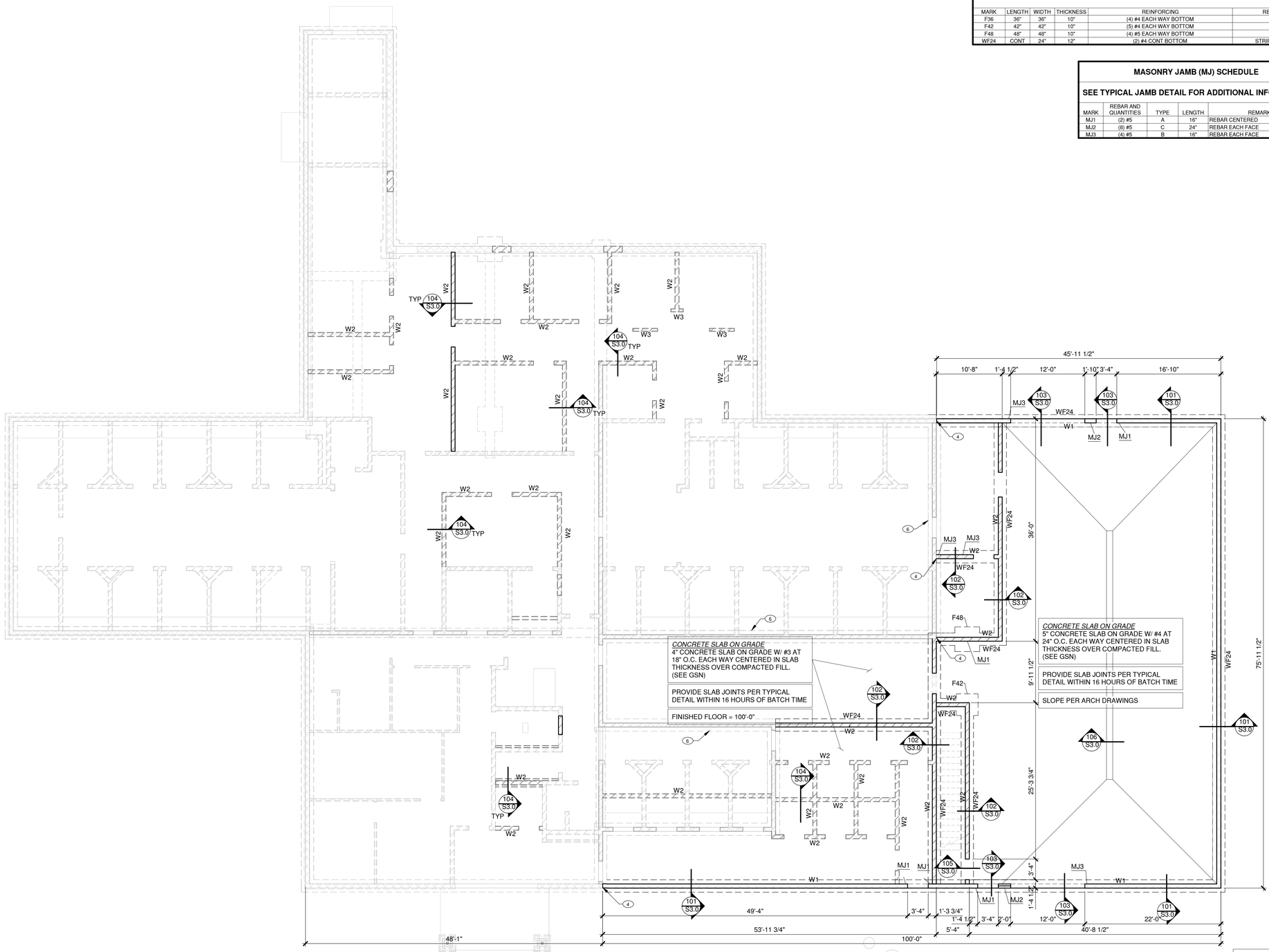
MARK	REBAR AND QUANTITIES	TYPE	LENGTH	REMARKS
MJ1	(2) #5	A	16"	REBAR CENTERED
MJ2	(8) #5	C	24"	REBAR EACH FACE
MJ3	(4) #5	B	16"	REBAR EACH FACE

FOUNDATION PLAN NOTES

A. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
B. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
C. THE DEPTH OF FOOTING DIMENSION INDICATED IN THE G.S.N. IS A MINIMUM. FOUNDATION CONTRACTOR SHALL COORDINATE WITH THE SOILS REPORT AND OTHER TRADES TO INSURE THAT THESE MINIMUMS ARE SUFFICIENT FOR THE WORK. SEE TYPICAL DETAILS FOR ADDITIONAL REQUIREMENTS.
D. W1, W2, ETC. - AS SHOWN ON PLAN INDICATES CONCRETE OR MASONRY WALLS. SEE WALL SCHEDULE FOR ADDITIONAL INFORMATION.
E. WF18, WF24, ETC. - AS SHOWN ON PLAN INDICATES A CONTINUOUS WALL FOOTING. SEE FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
F. F36, F48, ETC. - AS SHOWN ON PLAN INDICATES A CONCRETE FOOTING. SEE FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
G. MJ1, MJ2, ETC. - AS SHOWN ON PLAN INDICATES A MASONRY JAMB. SEE JAMB SCHEDULE FOR ADDITIONAL INFORMATION.
H. FOR SIDEWALK AND LANDING LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
I. TYPICAL TOP OF CONCRETE WALL = 100'-0"
J. TYPICAL TOP OF EXTERIOR FOOTING = 98'-0"
K. TYPICAL TOP OF INTERIOR FOOTING = 99'-4"

KEYNOTES

X	
4	DRILL AND EPOXY REBAR INTO EXISTING FOUNDATION W/ 4" MINIMUM EMBEDMENT
6	CONTRACTOR TO VERIFY MINIMUM EXISTING FOOTING SIZE OF 24" WIDE. CONTACT STRUCTURAL ENGINEER IF FOOTING IS SMALLER



PHASE 1 FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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07/15/2024

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
FOUNDATION PLAN

Laughlin Ricks Architecture
architecture/planning
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S2.0

WALL (W) SCHEDULE

TYPE	MATERIAL	THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING	REMARKS
W1	CONCRETE	8"	#4 AT 18" O.C.	#4 AT 12" O.C.	---
W2	MASONRY	8"	#5 AT 32" O.C.	(2) #4 AT 48" O.C.	SOLID GROUTED
W3	MASONRY	6"	#5 AT 32" O.C.	#5 AT 48" O.C.	SOLID GROUTED

KEYNOTES

X	
1	NEW OPENING IN EXISTING WALL
2	BRACE TOPS OF NON-BEARING MASONRY WALL PER TYPICAL DETAIL (TYPICAL)
3	MASONRY INFILL IN EXISTING OPENING. WALL REINFORCING TO BE #4 AT 32" O.C. VERTICAL AND #4 AT 48" O.C. HORIZONTAL. EPOXY NEW REBAR INTO EXISTING WALLS W/ 4" EMBEDMENT, SOLID GROUT WALL
5	DRILL AND EPOXY NEW WALL HORIZONTAL REINFORCEMENT INTO EXISTING W/ 5" EMBEDMENT
7	ATTACH BEAM TO BEAM W/ HU3.25/12 FACE-MOUNT HANGER
8	BEAMS ATTACH TO POST W/ SIMPSON PC4Z/EPC4Z POST CAP. ATTACH POST TO WALL BELOW W/ ABU44Z POST BASE INSTALLED W/ (1) 5/8" DIA. x 5" SCREW ANCHOR.
9	ATTACH BEAM TO WALL W/ HU3.25/12 HANGER INSTALLED USING (24) 1/4" DIA. x 2 3/4" TITEN TURBO SCREWS
10	BEAMS ATTACH TO POST W/ SIMPSON PC6Z POST CAP. ATTACH POST TO WALL BELOW W/ ABU66Z POST BASE INSTALLED W/ (1) 5/8" DIA. x 5" SCREW ANCHOR.
11	BEAM ATTACHED TO WALL W/ HGUMS.25-SDS HANGER ATTACHED TO WALL W/ (8) 5/8" DIA. x 5" TITEN HD ANCHORS.
12	BEAMS ATTACH TO POST W/ SIMPSON EPC6Z POST CAP. ATTACH POST TO WALL BELOW W/ ABU66Z POST BASE INSTALLED W/ (1) 5/8" DIA. x 5" SCREW ANCHOR.
13	HANG EXISTING BEAM FROM NEW BEAM W/ MGUS.50-SDS FACE-MOUNT HANGER
14	ATTACH BEAM TO TOP OF EXISTING WALL W/ SIMPSON ABU88Z POST BASE INSTALLED USING (2) 5/8" DIA. x 5" SCREW ANCHORS
15	JOIST MANUFACTURER TO DESIGN JOISTS FOR DRIFTING SNOW LOAD FOR LENGTH AND MAGNITUDE SHOWN, SEE TYPICAL DETAIL
16	NEW ROOF ACCESS HATCH , SEE ARCH
17	BLOCKOUT AT TOP OF NEW MASONRY WALL FOR DUCT PASSAGE, COORDINATE REQUIRED SIZE W/ MECHANICAL DRAWINGS
18	PROVIDE ANGLE FRAME BELOW RTU, SEE TYPICAL DETAIL. EXACT LOCATION OF UNIT TO BE COORDINATED BY CONTRACTOR

STEEL JOIST (SJ) SCHEDULE

MARK	STEEL JOIST JOIST	JOIST SPACING (O.C.)
SJ1	18K 270/150	6'-0"
SJ2	30K 270/150	6'-0"
SJ3	10K 270/150	6'-0"

POST (P) SCHEDULE

MARK	SIZE	SPECIES AND GRADE	CONNECTION
P1	6x6	DOUG FIR NO. 2	SEE KEYNOTES
P2	4x4	DOUG FIR NO. 2	SEE KEYNOTES

BEAM (B) SCHEDULE

MARK	SIZE
B1	3 1/8x12 GLB
B2	5 1/8x16 1/2 GLB
B3	6 3/4x16 1/2 GLB

MASONRY LINTEL (ML) SCHEDULE

MARK	SIZE	LONGITUDINAL REINFORCING	VERTICAL TIES
ML1	16" DEEP	(2) #5 BARS TOP AND BOTTOM	MATCH WALL REINFORCING
ML2	16" DEEP	(1) #5 BARS TOP AND BOTTOM	MATCH WALL REINFORCING
ML3	30" DEEP	(2) #5 BARS TOP AND BOTTOM	MATCH WALL REINFORCING
ML4	48" DEEP	(2) #6 BARS TOP AND BOTTOM	#5 AT 8" O.C.

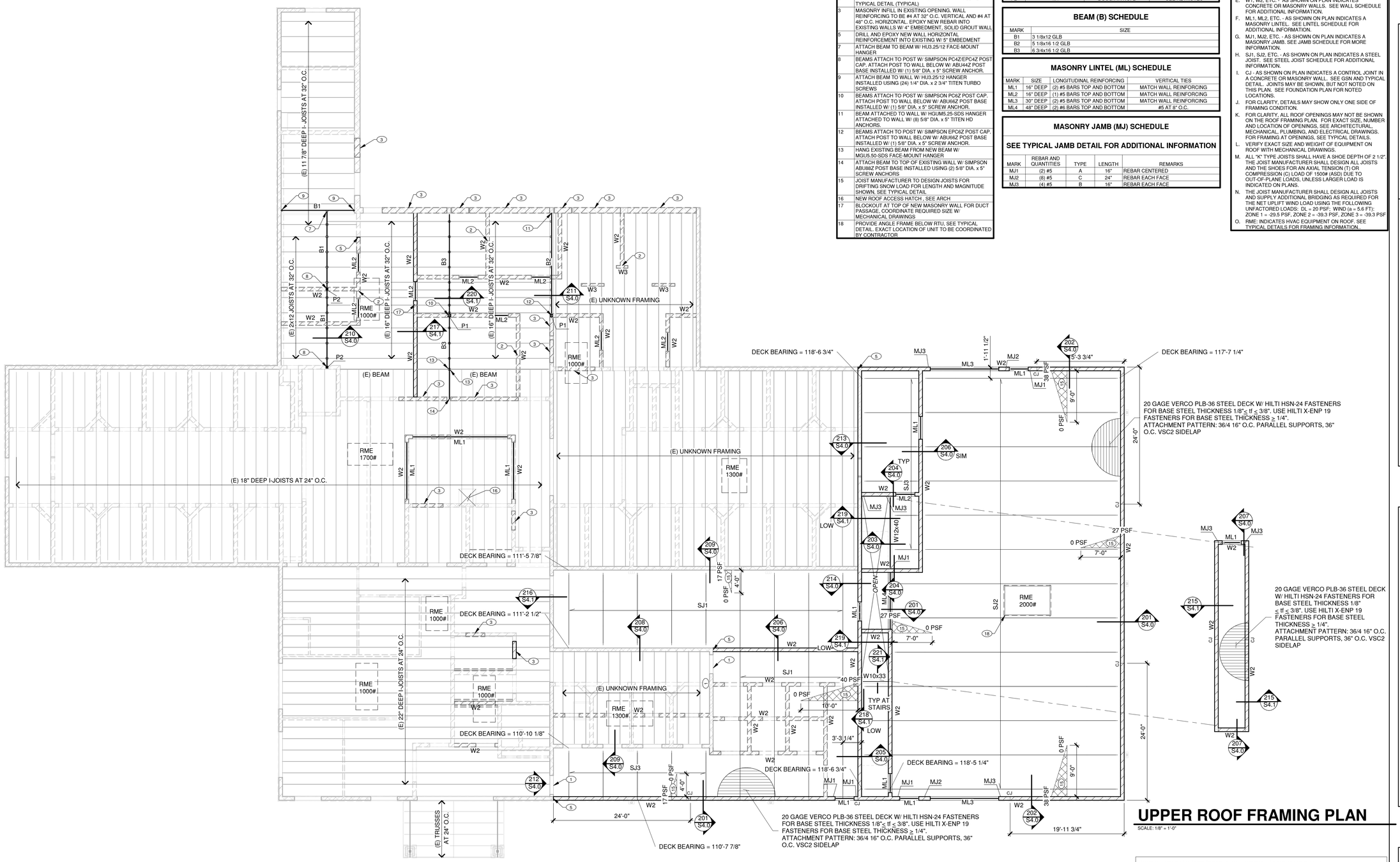
MASONRY JAMB (MJ) SCHEDULE

SEE TYPICAL JAMB DETAIL FOR ADDITIONAL INFORMATION

MARK	REBAR AND QUANTITIES	TYPE	LENGTH	REMARKS
MJ1	(2) #5	A	16"	REBAR CENTERED
MJ2	(8) #5	C	24"	REBAR EACH FACE
MJ3	(4) #5	B	16"	REBAR EACH FACE

ROOF FRAMING PLAN NOTES

A. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
B. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
C. B1, B2, ETC. - AS SHOWN ON PLAN INDICATES A BEAM OR HEADER. SEE BEAM SCHEDULE FOR ADDITIONAL INFORMATION.
D. P1, P2, ETC. AS SHOWN ON PLAN INDICATES A WOOD POST. SEE POST SCHEDULE FOR MORE INFORMATION.
E. W1, W2, ETC. - AS SHOWN ON PLAN INDICATES CONCRETE OR MASONRY WALLS. SEE WALL SCHEDULE FOR ADDITIONAL INFORMATION.
F. ML1, ML2, ETC. - AS SHOWN ON PLAN INDICATES A MASONRY LINTEL. SEE LINTEL SCHEDULE FOR ADDITIONAL INFORMATION.
G. MJ1, MJ2, ETC. - AS SHOWN ON PLAN INDICATES A MASONRY JAMB. SEE JAMB SCHEDULE FOR MORE INFORMATION.
H. SJ1, SJ2, ETC. - AS SHOWN ON PLAN INDICATES A STEEL JOIST. SEE STEEL JOIST SCHEDULE FOR ADDITIONAL INFORMATION.
I. CJ - AS SHOWN ON PLAN INDICATES A CONTROL JOINT IN A CONCRETE OR MASONRY WALL. SEE GSN AND TYPICAL DETAIL. JOINTS MAY BE SHOWN, BUT NOT NOTED ON THIS PLAN. SEE FOUNDATION PLAN FOR NOTED LOCATIONS.
J. FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
K. FOR CLARITY, ALL ROOF OPENINGS MAY NOT BE SHOWN ON THE ROOF FRAMING PLAN. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL DETAILS.
L. VERIFY EXACT SIZE AND WEIGHT OF EQUIPMENT ON ROOF WITH MECHANICAL DRAWINGS.
M. ALL "K" TYPE JOISTS SHALL HAVE A SHOE DEPTH OF 2 1/2". THE JOIST MANUFACTURER SHALL DESIGN ALL JOISTS AND THE SHOES FOR AN AXIAL TENSION (T) OR COMPRESSION (C) LOAD OF 1500# (ASD) DUE TO OUT-OF-PLANE LOADS, UNLESS LARGER LOAD IS INDICATED ON PLANS.
N. THE JOIST MANUFACTURER SHALL DESIGN ALL JOISTS AND SUPPLY ADDITIONAL BRIDGING AS REQUIRED FOR THE NET UPLIFT WIND LOAD USING THE FOLLOWING UNFACTORED LOADS: DL = 20 PSF; WIND (a = 5.6 FT): ZONE 1 = -29.5 PSF, ZONE 2 = -39.9 PSF, ZONE 3 = -39.9 PSF
O. RME: INDICATES HVAC EQUIPMENT ON ROOF. SEE TYPICAL DETAILS FOR FRAMING INFORMATION.



UPPER ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

PHASE 1 ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

NORTH

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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07/15/2024

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PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
ROOF FRAMING PLAN

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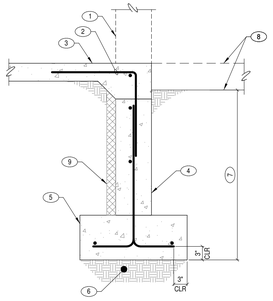
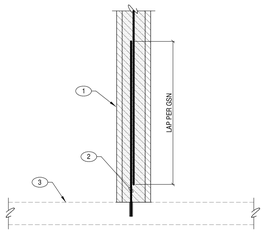


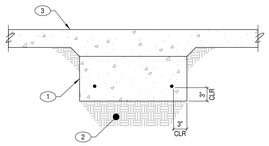
KEYNOTES:
1. WALL BEYOND, SEE PLAN
2. #4 BENT DOWEL AT 18" O.C.
3. CONCRETE SLAB ON GRADE, SEE PLAN
4. CONCRETE WALL, SEE PLAN
5. CONCRETE FOOTING, SEE PLAN
6. COMPACTED SUB-GRADE BELOW FOOTING, SEE PLAN
7. MINIMUM FOOTING DEPTH, SEE GSN
8. SIDEWALK, PAVEMENT, OR FINISH GRADE PER ARCH
9. RIGID INSULATION PER ARCH

103 CONCRETE SLAB AT FOUNDATION
SCALE: NTS



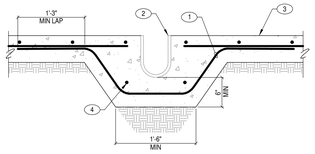
KEYNOTES:
1. MASONRY WALL, SEE PLAN
2. #5 DOWEL DRILLED AND EPOXIED INTO EXISTING SLAB W/ 3" MIN EMBEDMENT
3. EXISTING CONCRETE SLAB ON GRADE

104 MASONRY WALL AT EXISTING SLAB ON GRADE
SCALE: NTS



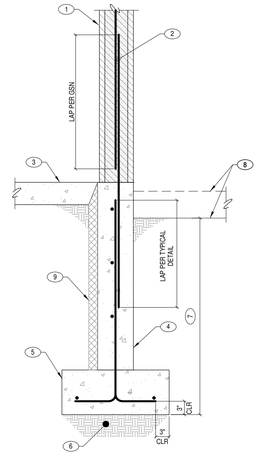
KEYNOTES:
1. CONCRETE FOOTING, SEE PLAN
2. COMPACTED SUB-GRADE BELOW FOOTING, SEE PLAN
3. CONCRETE SLAB ON GRADE, SEE PLAN

105 CONCRETE SLAB AT FOUNDATION
SCALE: NTS



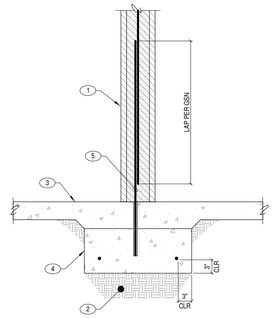
KEYNOTES:
1. #3 BENT DOWEL AT 18" O.C.
2. TRENCH DRAIN, SEE ARCHITECTURAL DRAWINGS
3. CONCRETE SLAB ON GRADE, SEE PLAN
4. (2) #4 HORIZONTAL BARS BELOW TRENCH DRAIN

106 TRENCH DRAIN IN CONCRETE SLAB
SCALE: NTS



KEYNOTES:
1. MASONRY WALL, SEE PLAN
2. DOWEL TO MATCH VERTICAL MASONRY WALL REINFORCING SIZE AND SPACING
3. CONCRETE SLAB ON GRADE, SEE PLAN
4. CONCRETE WALL, SEE PLAN
5. CONCRETE FOOTING, SEE PLAN
6. COMPACTED SUB-GRADE BELOW FOOTING, SEE PLAN
7. MINIMUM FOOTING DEPTH, SEE GSN
8. SIDEWALK, PAVEMENT, OR FINISH GRADE PER ARCH
9. RIGID INSULATION PER ARCH

101 MASONRY WALL AT FOUNDATION
SCALE: NTS



KEYNOTES:
1. MASONRY WALL, SEE PLAN
2. COMPACTED SUB-GRADE BELOW FOOTING, SEE PLAN
3. CONCRETE SLAB ON GRADE, SEE PLAN
4. CONCRETE FOOTING, SEE PLAN
5. DOWEL TO MATCH VERTICAL MASONRY WALL REINFORCING SIZE AND SPACING, EPOXY DOWEL AT FOOTING W/ 6" MIN EMBEDMENT INTO FOOTING, SEE PLAN

102 MASONRY WALL AT FOUNDATION
SCALE: NTS

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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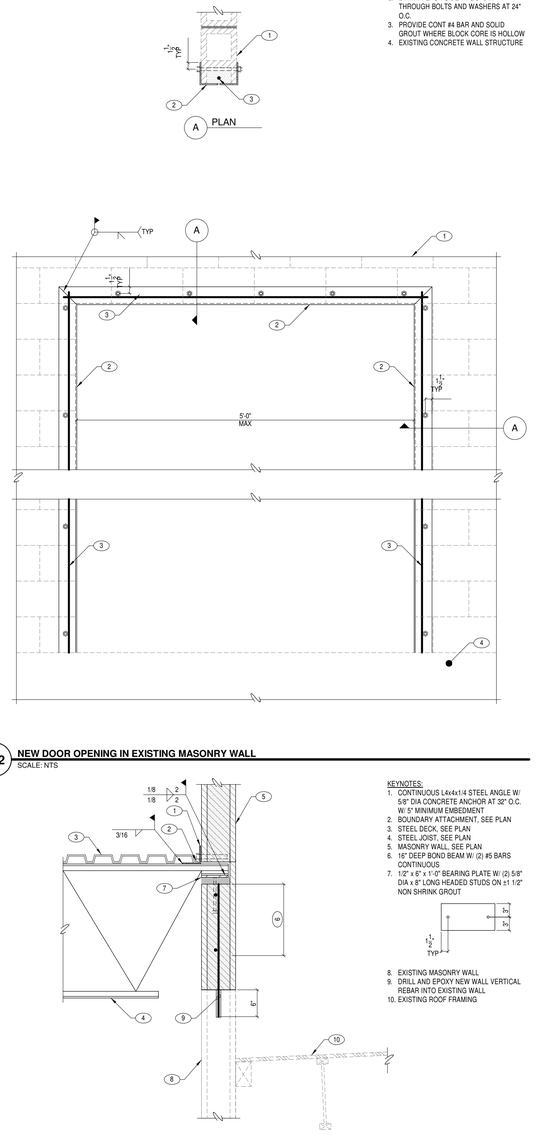
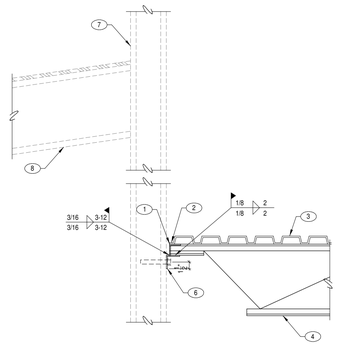


KEYNOTES:
1. EXISTING MASONRY WALL
2. L4x4x1/4 EACH SIDE W/ 5/8" DIA THROUGH BOLTS AND WASHERS AT 24" O.C.
3. PROVIDE CONT #4 BAR AND SOLID GROUT WHERE BLOCK CORE IS HOLLOW
4. EXISTING CONCRETE WALL STRUCTURE

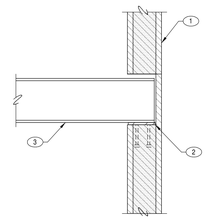
208 STEEL JOIST AT EXISTING MASONRY WALL
SCALE: NTS



KEYNOTES:
1. CONTINUOUS L2 1/2x2 1/2x1/4 BETWEEN EACH JOIST
2. BOUNDARY ATTACHMENT, SEE PLAN
3. STEEL DECK, SEE PLAN
4. STEEL JOIST, SEE PLAN
5. MASONRY WALL, SEE PLAN
6. CONT L3x3x1/4 LEDGER ANGLE W/ 3/4" DIA x 6" TITEN HD MASONRY ANCHORS AT 16" O.C.
7. EXISTING MASONRY WALL
8. EXISTING ROOF FRAMING

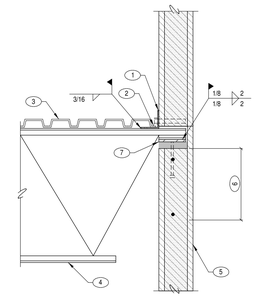
NOTES:
A. SCREW ANCHORS MUST BE INSTALLED INTO GROUTED MASONRY. CONTACT ENGINEER IF THIS CANNOT BE ACCOMPLISHED FOR FURTHER INSTRUCTION

204 STEEL BEAM AT MASONRY WALL
SCALE: NTS

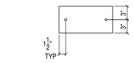


KEYNOTES:
1. MASONRY WALL, SEE PLAN
2. 1/2" x 8" x 0'-8" STEEL EMBED PLATE W/ (4) 5/8Ø x 6" LONG HEADED STUDS
3. STEEL BEAM, SEE PLAN

201 STEEL JOIST AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. CONTINUOUS L4x4x1/4 STEEL ANGLE W/ 5/8" DIA CONCRETE ANCHOR AT 32" O.C. W/ 5" MINIMUM EMBEDMENT
2. BOUNDARY ATTACHMENT, SEE PLAN
3. STEEL DECK, SEE PLAN
4. STEEL JOIST, SEE PLAN
5. MASONRY WALL, SEE PLAN
6. 16" DEEP BOND BEAM W/ (2) #5 BARS CONTINUOUS
7. 1/2" x 6" x 1'-0" BEARING PLATE W/ (2) 5/8" DIA x 8" LONG HEADED STUDS ON ±1 1/2" NON SHRINK GROUT

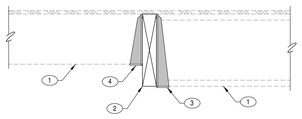


212 NEW DOOR OPENING IN EXISTING MASONRY WALL
SCALE: NTS

KEYNOTES:
1. CONTINUOUS L4x4x1/4 STEEL ANGLE W/ 5/8" DIA CONCRETE ANCHOR AT 32" O.C. W/ 5" MINIMUM EMBEDMENT
2. BOUNDARY ATTACHMENT, SEE PLAN
3. STEEL DECK, SEE PLAN
4. STEEL JOIST, SEE PLAN
5. MASONRY WALL, SEE PLAN
6. 16" DEEP BOND BEAM W/ (2) #5 BARS CONTINUOUS
7. 1/2" x 6" x 1'-0" BEARING PLATE W/ (2) 5/8" DIA x 8" LONG HEADED STUDS ON ±1 1/2" NON SHRINK GROUT

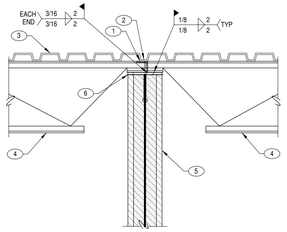
8. EXISTING MASONRY WALL
9. DRILL AND EPOXY NEW WALL VERTICAL REBAR INTO EXISTING WALL
10. EXISTING ROOF FRAMING

209 STEEL JOIST AT EXISTING MASONRY WALL
SCALE: NTS

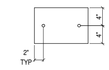


KEYNOTES:
1. EXISTING ROOF FRAMING
2. WOOD BEAM, SEE PLAN
3. HANG EXISTING JOIST TO NEW WOOD BEAM W/ IUS2.37/16 FACE MOUNT HANGER, CONTRACTOR TO VERIFY JOIST DIMENSION
4. HANG EXISTING WOOD JOIST TO NEW WOOD BEAM W/ LUS210 HANGER

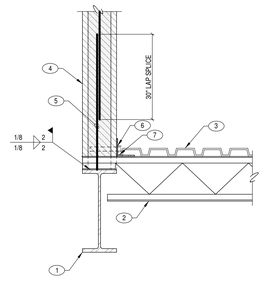
205 STEEL JOIST AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. CONTINUOUS L2 1/2x2 1/2x1/4 BETWEEN EACH JOIST
2. BOUNDARY ATTACHMENT, SEE PLAN
3. STEEL DECK, SEE PLAN
4. STEEL JOIST, SEE PLAN
5. MASONRY WALL, SEE PLAN
6. 1/2" x 8" x 1'-0" BEARING PLATE W/ (2) 5/8 " DIA x 6" LONG HEADED STUDS

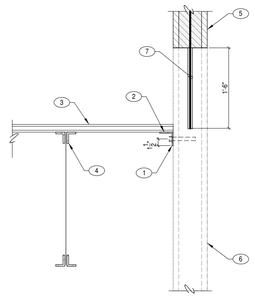


202 STEEL JOIST AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. STEEL BEAM, SEE PLAN
2. STEEL JOIST, SEE PLAN
3. STEEL DECK, SEE PLAN
4. MASONRY WALL, SEE PLAN
5. #5 x 48" LONG WELDABLE REBAR AT 32" O.C.
6. CONTINUOUS L4x4x1/4 STEEL ANGLE W/ 5/8" DIA CONCRETE ANCHOR AT 32" O.C. W/ 5" MINIMUM EMBEDMENT
7. BOUNDARY ATTACHMENT, SEE PLAN

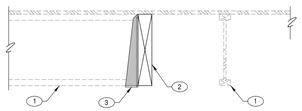
213 STEEL JOIST AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. CONTINUOUS L3x3x1/4 STEEL ANGLE W/ 3/4" DIA X 6" SCREW ANCHOR AT 32" O.C.
2. BOUNDARY ATTACHMENT, SEE PLAN
3. STEEL DECK, SEE PLAN
4. STEEL JOIST, SEE PLAN
5. MASONRY WALL, SEE PLAN
6. EXISTING MASONRY WALL
7. DRILL AND EPOXY NEW WALL VERTICAL REBAR INTO EXISTING WALL. NEW VERTICAL BAR MUST BE INSTALLED IN SAME CELL AS EXISTING WALL VERTICAL BAR

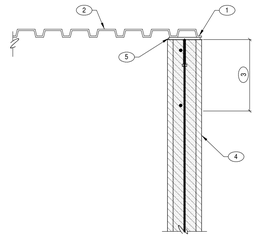
NOTES:
A. SCREW ANCHORS MUST BE INSTALLED INTO GROUTED MASONRY. CONTACT ENGINEER IF THIS CANNOT BE ACCOMPLISHED FOR FURTHER INSTRUCTION

210 EXISTING ROOF JOIST AT WOOD BEAM
SCALE: NTS



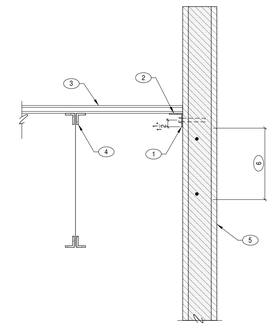
KEYNOTES:
1. EXISTING ROOF FRAMING
2. WOOD BEAM, SEE PLAN
3. HANG EXISTING JOIST TO NEW WOOD BEAM W/ IUS2.37/16 TOP FLANGE HANGER, CONTRACTOR TO VERIFY JOIST DIMENSION

206 STEEL JOIST AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. BOUNDARY ATTACHMENT, SEE PLAN
2. STEEL DECK, SEE PLAN
3. CONT 16" DEEP (MIN) SOLID GROUTED BOND BEAM W/ #5 BARS CONTINUOUS
4. MASONRY WALL, SEE PLAN
5. CONTINUOUS 1/2" x 7" WIDE EMBED PLATE W/ 5/8" DIA x 6" LONG HEADED STUDS AT 32" O.C.

203 STEEL JOIST AT STEEL BEAM
SCALE: NTS



KEYNOTES:
1. CONTINUOUS L3x3x1/4 STEEL ANGLE W/ 5/8" DIA SCREW ANCHOR AT 32" O.C. W/ 5" MINIMUM EMBEDMENT
2. BOUNDARY ATTACHMENT, SEE PLAN
3. STEEL DECK, SEE PLAN
4. STEEL JOIST, SEE PLAN
5. MASONRY WALL, SEE PLAN
6. 16" DEEP BOND BEAM W/ (2) #5 BARS CONTINUOUS

214 STEEL JOIST AT EXISTING MASONRY WALL
SCALE: NTS

211 WOOD JOIST AT WOOD BEAM
SCALE: NTS

207 STEEL DECK AT MASONRY WALL
SCALE: NTS

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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phone: 208.569.5694
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PROFESSIONAL ENGINEER LICENSED 14134 STATE OF IDAHO DAVID B. PORTER
07/15/2024

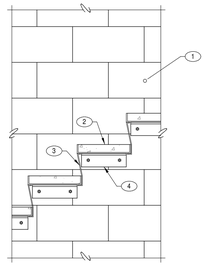
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
FRAMING DETAILS

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

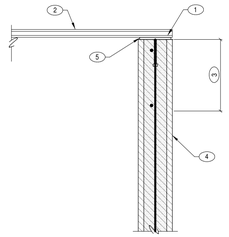
DATE: 7.15.2024
PERMIT SET KBB
Checked
#23029
PROJECT #

S4.0



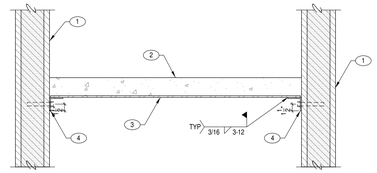
KEYNOTES:
1. MASONRY WALL, SEE PLAN
2. 2" THICK CONCRETE TREADS
3. 12 GAUGE STEEL RISER PLATE AND TREAD PLATE
4. L3x3x3/16 ANGLE W/ (2) 3/8" DIA x 3" SCREW ANCHORS

218 STAIR TREAD AT MASONRY WALL
SCALE: NTS



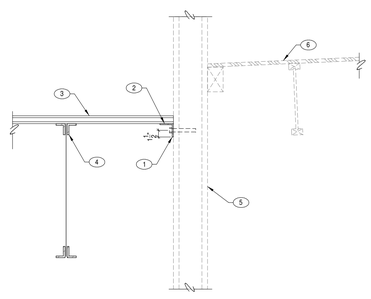
KEYNOTES:
1. BOUNDARY ATTACHMENT, SEE PLAN
2. STEEL DECK, SEE PLAN
3. CONT 16" DEEP (MIN) SOLID GROUTED BOND BEAM W/ #5 BARS CONTINUOUS
4. MASONRY WALL, SEE PLAN
5. CONTINUOUS 1'-2" x 7" WIDE EMBED PLATE W/ 5/8" DIA x 6" LONG HEADED STUDS AT 32" O.C.

215 STEEL DECK AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. MASONRY WALL, SEE PLAN
2. 4" THICK CONCRETE SLAB REINFORCED W/ #3 BARS AT 12" O.C. EACH WAY, CENTERED IN SLAB THICKNESS
3. 3/8" THICK STEEL PLATE
4. CONTINUOUS L3x3x1/4 STEEL LEDGER ANGLE W/ 3/4" DIA x 6" LONG TITEN MASONRY ANCHORS AT 8" O.C

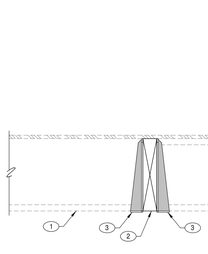
219 STAIR LANDING AT MASONRY WALL
SCALE: NTS



KEYNOTES:
1. CONTINUOUS L3x3x1/4 STEEL ANGLE W/ 3/4" DIA x 6" SCREW ANCHOR AT 32" O.C.
2. BOUNDARY ATTACHMENT, SEE PLAN
3. STEEL DECK, SEE PLAN
4. STEEL JOIST, SEE PLAN
5. EXISTING MASONRY WALL
6. EXISTING ROOF FRAMING

NOTES:
A. SCREW ANCHORS MUST BE INSTALLED INTO GROUTED MASONRY, CONTACT ENGINEER IF THIS CANNOT BE ACCOMPLISHED FOR FURTHER INSTRUCTION

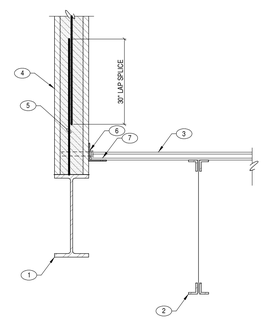
216 STEEL JOIST AT EXISTING MASONRY WALL
SCALE: NTS



KEYNOTES:
1. NEW FULL-HEIGHT LSL BLOCKING BETWEEN EACH EXISTING JOIST W/ A35 CLIP TOP AND BOTTOM. TOP CLIP ATTACHED TO UNDERSIDE OF EXISTING ROOF SHEATHING USING 1/2" LONG SCREWS
2. (2) 10d NAILS AT EACH JOIST
3. EXISTING ROOF FRAMING
4. CONT 2x PT PLATE W/ 5/8" DIA ANCHOR BOLTS AT 32" O.C. W/ 5" MIN EMBEDMENT
5. MASONRY WALL, SEE PLAN

220 EXISTING ROOF JOIST AT WOOD BEAM
SCALE: NTS

217 EXISTING WOOD JOIST AT NEW MASONRY SHEARWALL
SCALE: NTS



KEYNOTES:
1. STEEL BEAM, SEE PLAN
2. STEEL JOIST, SEE PLAN
3. STEEL DECK, SEE PLAN
4. MASONRY WALL, SEE PLAN
5. #5 x 48" LONG WELDABLE REBAR AT 32" O.C.
6. CONTINUOUS L4x4x1/4 STEEL ANGLE W/ 5/8" DIA CONCRETE ANCHOR AT 32" O.C. W/ 5" MINIMUM EMBEDMENT
7. BOUNDARY ATTACHMENT, SEE PLAN

221 MASONRY WALL AT STEEL BEAM
SCALE: NTS

JOB NO.: 24.145 | PROJECT MANAGER: JJ | CAD OPERATOR: GTC

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1152 Bond Avenue, Suite B
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PROFESSIONAL ENGINEER LICENSED 14134 STATE OF IDAHO DAVID B. PORTER
07/15/2024

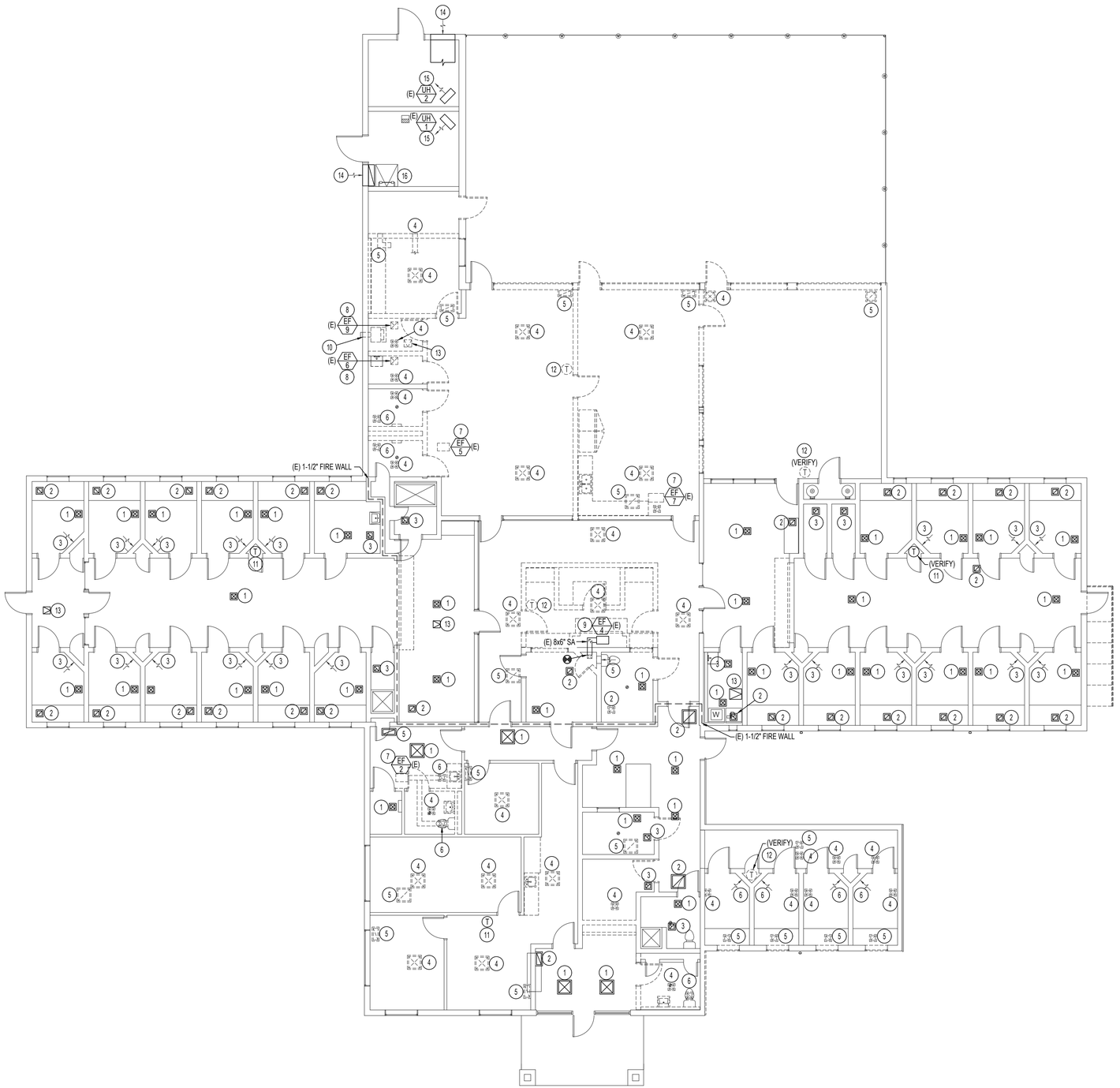
DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
FRAMING DETAILS

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

DATE: 7.15.2024
PERMIT SET
KBB Checked
#23029 PROJECT #

S4.1



PH 1 PART A DEMO MECHANICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

North

PLAN NOTES:

1. EXISTING DIFFUSER TO REMAIN. PROTECT DURING CONSTRUCTION.
2. EXISTING RETURN GRILLE TO REMAIN. PROTECT DURING CONSTRUCTION.
3. EXISTING EXHAUST GRILLE TO REMAIN. PROTECT DURING CONSTRUCTION.
4. EXISTING DIFFUSER TO BE REMOVED AND DISPOSED OF IN ITS ENTIRETY. REMOVE, DISPOSE OF, AND CAP CORRESPONDING BRANCH DUCTWORK AND CAP AT MAIN IF BRANCH DUCTWORK IS NOT BEING RE-USED. SEE SHEET M1A-1.1 FOR BRANCH DUCTWORK BEING RE-USED.
5. EXISTING RETURN/RELIEF GRILLE TO BE REMOVED AND DISPOSED OF IN ITS ENTIRETY ALONG WITH CORRESPONDING SOUND BOOT.
6. EXISTING EXHAUST GRILLE TO BE REMOVED IN ITS ENTIRETY. REMOVE, DISPOSE OF, AND CAP CORRESPONDING BRANCH DUCTWORK CAP AT MAIN.
7. EXISTING IN-LINE EXHAUST FAN TO BE REMOVED IN ITS ENTIRETY. REMOVE ALL DUCT AND CAP DUCT AT ROOF CAP.
8. EXISTING CEILING EXHAUST FAN TO BE REMOVED IN ITS ENTIRETY. REMOVE ALL DUCT AND CAP DUCT AT ROOF CAP.
9. EXISTING IN-LINE EXHAUST FAN TO REMAIN. MODIFY DUCTWORK AS REQUIRED FOR NEW EXHAUST GRILLE LOCATION.
10. EXISTING DRYER TO BE REMOVED BY THE GENERAL CONTRACTOR PRIOR TO CONSTRUCTION. REMOVE AND DISPOSE OF CORRESPONDING DUCTWORK AND WALL CAP IN ITS ENTIRETY. COORDINATE WITH THE GENERAL CONTRACTOR FOR THE REQUIRED PATCH & REPAIR AFTER THE WORK IS COMPLETE. COORDINATE WITH DIVISION 22 FOR GAS LINE REMOVAL.
11. EXISTING THERMOSTAT TO REMAIN. PROTECT DURING CONSTRUCTION.
12. REMOVE AND RE-LOCATE EXISTING THERMOSTAT. MODIFY WIRING AS REQUIRED. SEE SHEET M1A-1.1 FOR NEW LOCATION.
13. EXISTING CEILING ACCESS SECUIRTY PANEL.
14. EXISTING INTAKE/COMBUSTION AIR LOUVER AND CORRESPONDING DUCTWORK TO REMAIN.
15. EXISTING UNIT HEATER TO REMAIN. PROTECT DURING CONSTRUCTION.
16. EXISTING ROOF ACCESS.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
T	ELECTRONIC THERMOSTAT
S	ELECTRONIC SENSOR
FC 1	EQUIPMENT SYMBOL
(E) "FC-1"	EXISTING EQUIPMENT TAG MARKINGS
(E) FC-1	EXISTING EQUIPMENT DRAWING MARKINGS
	SMOKE DETECTOR
CO2	CARBON DIOXIDE DETECTOR
(E)	EXISTING
(R)	RELOCATED
HD	HAND DAMPER
CHD	CONCEALED HAND DAMPER
	ROUND BRANCH DUCT WITH HAND DAMPER
	INSULATED FLEXIBLE DUCT
	RETURN AIR OR EXHAUST GRILLE
	CEILING DIFFUSER
	ROOF MOUNTED UPBLAST EXHAUST FAN
	EXISITING TO BE DEMOLISHED
	EXISTING TO REMAIN (E)
	NEW EQUIPMENT
	CONNECTION/DISCONNECTION

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- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.

E- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURES.

F- PIPING FROM WATER HEATER TO TERMINATION OF HEATED WATER FIXTURE SUPPLY PIPIE SHALL HAVE 1-INCH INSULATION WITH AMINIMUM CONDUCTITY OF 0.21 BTU x IN/(HxFT2xF) AS REQUIRED BY IECC C404.4. INSULATION SHALL BE CONTINUOUS EXCEPT WHERE THE PIPE PASSES THROUGH A FRAMING MEMBER OR AT LOCATIONS WHERE A VERTICAL SUPPORT OF THE PIPING IS INSTALLED.

G- SEE ARCHITECTURAL PLANS FOR ROOM NAMES AND NUMBERS.

PROFESSIONAL ENGINEER — 18184 — STATE OF IDAHO — DAVID L. HANSEN

Jul 12, 2024

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
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FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 24048

07.12.24

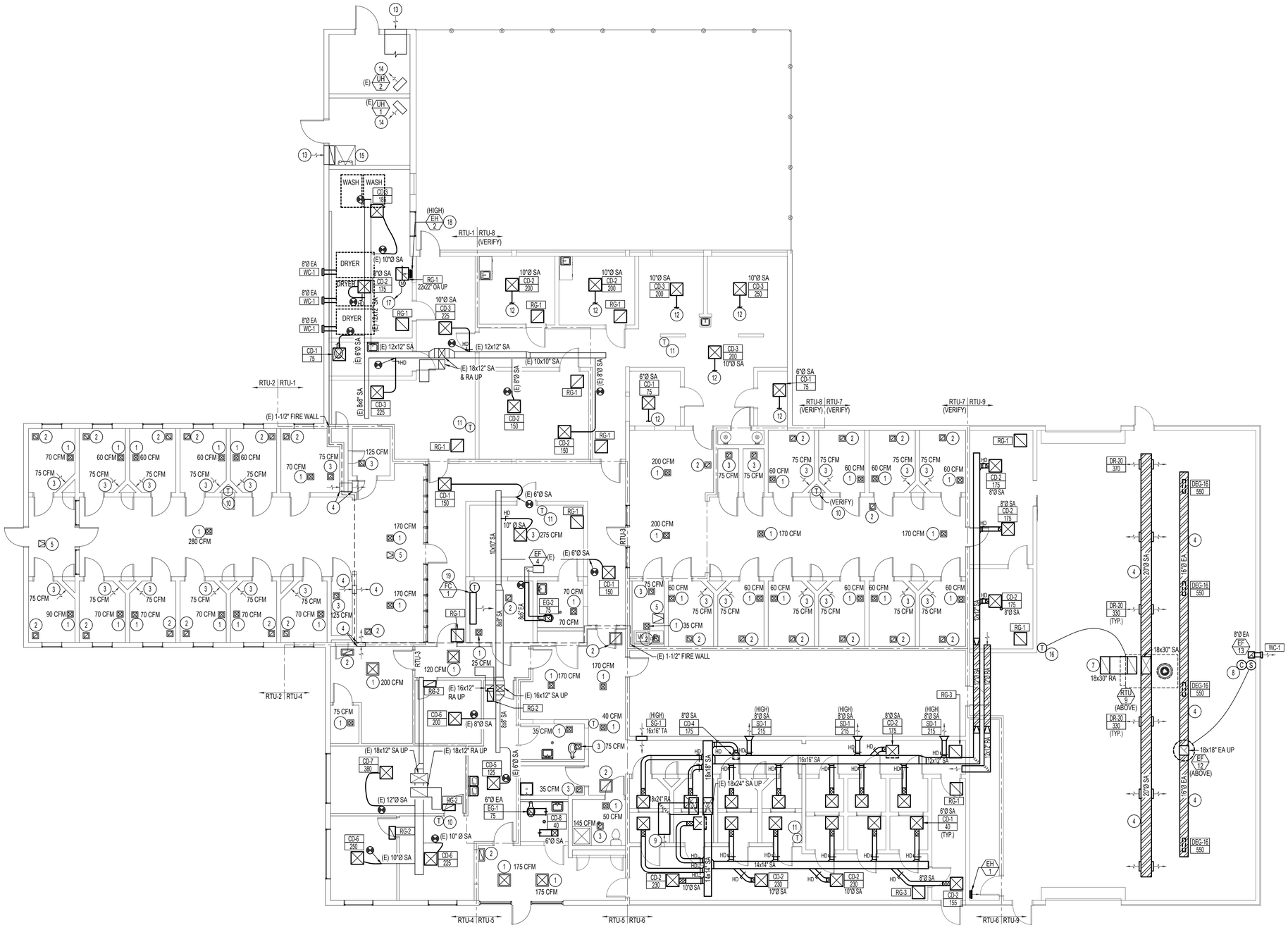
DATE	ISSUE
Jul 12, 2024	ISSUE FOR PERMIT

AN ADDITION FOR:
TWIN FALLS COUNTY JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A DEMO MECH. FLOOR PLAN

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

DATE: 07/12/2024
TD Drawn — DLH Checked

M1A-1.0



PH 1 PART A MECHANICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

North

PLAN NOTES:

1. EXISTING DIFFUSER TO REMAIN. BALANCE TO CFM INDICATED ON PLANS.
2. EXISTING RETURN/RELIEF GRILLE TO REMAIN. PROTECT DURING CONSTRUCTION.
3. EXISTING EXHAUST GRILLE TO REMAIN. BALANCE TO CFM INDICATED ON PLANS.
4. EXISTING TRANSFER DUCT IN CEILING SPACE WITH FIRE DAMPER TO REMAIN. PROTECT DURING CONSTRUCTION.
5. EXISTING CEILING ACCESS SECURITY PANEL.
6. ROUTE MAIN DUCTWORK AS HIGH AS POSSIBLE. SUPPLY DIFFUSERS TO BE INSTALLED HORIZONTALLY AND COME IN 45° DOWNWARD DEFLECTION TO MINIMIZE AIR VELOCITY TO OCCUPANTS BELOW. EXHAUST GRILLES TO BE INSTALLED ON BOTTOM OF DUCT. EXPOSED DUCTWORK TO BE PRE-PRIMED WITH PAINTLOK.
7. RETURN GRILLE TO CONTAIN MIN QTY (2) 90° ELBOWS/TURNS FOR SOUND ISOLATION. TERMINATE DUCT UPWARDS AND COVER WITH 1/4" GALVANIZED MESH WIRING.
8. TYPICAL CO / NO2 SENSOR FOR GARAGE EXHAUST SYSTEM. MOUNTING HEIGHT AS PER MANUFACTURER INSTRUCTIONS. SEE SPECIFICATIONS.
9. RETURN GRILLE TO CONTAIN MIN QTY (2) 90° ELBOWS/TURNS FOR SOUND ISOLATION. COVER OPENING WITH 1/4" GALVANIZED MESH WIRING.
10. EXISTING THERMOSTAT TO REMAIN. PROTECT DURING CONSTRUCTION.
11. RE-LOCATE EXISTING THERMOSTAT. MODIFY WIRING AS REQUIRED.
12. TIE NEW BRANCH DUCTWORK TO NEAREST EXISTING MAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
13. EXISTING INTAKE/COMBUSTION AIR LOUVER AND CORRESPONDING DUCTWORK TO REMAIN.
14. EXISTING UNIT HEATER TO REMAIN. PROTECT DURING CONSTRUCTION.
15. EXISTING ROOF ACCESS.
16. CONTROLS TO COME WITH OCCUPANCY SENSOR.
17. INSTALL MOTORIZED DAMPER IN CEILING SPACE. COORDINATE WITH ELECTRICAL FOR INTERLOCK WITH THE OPERATION OF ANY DRYER.
18. INSTALL WALL ELECTRIC HEATER 12" BELOW CEILING AND DIRECTLY BELOW RELIEF/COMBUSTION AIR INTAKE.
19. ADJUST FAN COIL INSTALL LOCATION AS DIRECTED BY OWNER. SEE INSTALL DETAIL ON SHEET M1A-2.2.

07.12.24

DATE	ISSUE FOR PERMIT
Jul 12, 2024	

AN ADDITION FOR:
TWIN FALLS COUNTY JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A DEMO MECH. FLOOR PLAN

Laughlin Ricks Architecture
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PROFESSIONAL ENGINEER
STATE OF IDAHO
DAVID L. HANSEN
18184
Jul 12, 2024

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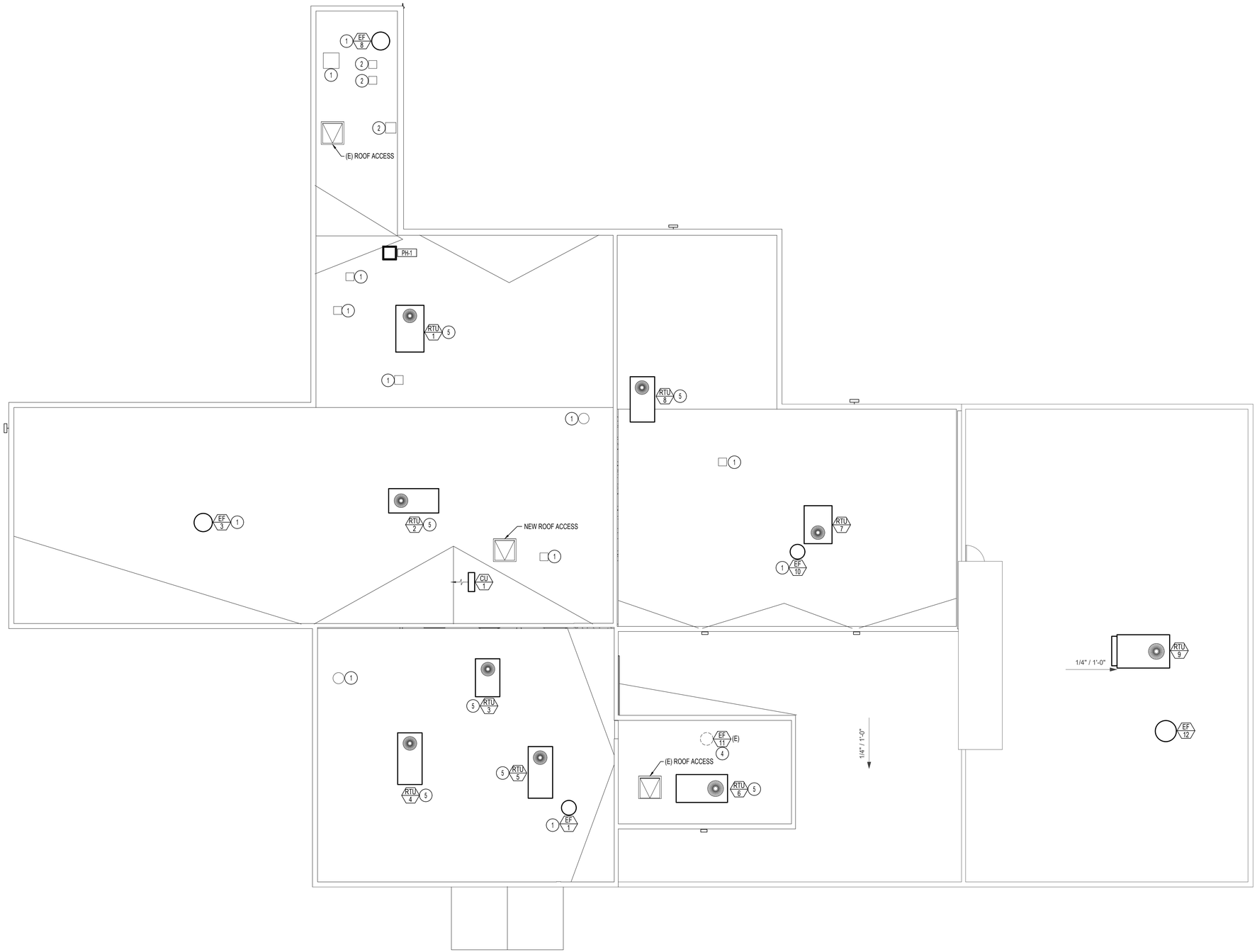
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 24048

DATE: 07/12/2024
TD Drawn
DLH Checked

M1A-1.1



PH 1 PART A MECHANICAL ROOF PLAN

SCALE: 1/8" = 1'-0"

North

PLAN NOTES:

1. EXISTING ROOF CAP TO REMAIN. PROTECT DURING CONSTRUCTION.
2. EXISTING FLUE THRU ROOF TO REMAIN. PROTECT DURING CONSTRUCTION.
3. REMOVE AND REPLACE EXISTING ROOF EXHAUST FAN WITH NEW.
4. REMOVE AND DISPOSE OF EXISTING EXHAUST FAN IN ITS ENTIRETY ALONG WITH CORRESPONDING DUCTWORK AND GRILLES. CAP OPENING WITH 18 GAUGE GALVANIZED STEEL COVERING.
5. REMOVE, DISPOSE OF, AND REPLACE EXISTING ROOF TOP UNIT WITH NEW. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTALS AND CONSTRUCTIONS. PROVIDE AND INSTALL ROOF TOP UNITS WITH ADAPT-A-CURB OR SIMILAR IF REQUIRED. COORDINATE WITH DIVISION 22 FOR GAS PIPING DISCONNECTION AND RECONNECTION.

07.12.24

DATE
Jul 12, 2024 ISSUE FOR PERMIT

AN ADDITION FOR:
TWIN FALLS COUNTY JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A MECH. ROOF PLAN

Laughlin Ricks Architecture
architecture/planning
134 3RD AVE. E. * Twin Falls, Idaho 83301
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PROFESSIONAL ENGINEER
DAVID L. HANSEN
18184
STATE OF IDAHO
Jul 12, 2024

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1355 EAST CENTER
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EXHAUST FAN SCHEDULE

SYM.	TYPE	C.F.M.	S.P.E.	HP	CHAR.	FLA	R.P.M.	CONTROL	REMARKS
EF-1	ROOF MOUNTED	455	0.38	1/4	120/60/1	5.8	1725	24/7 CONTINUOUS	PENNBARRY MODEL DX11QGP
EF-2	IN-LINE	-	-	-	-	-	-	-	EXISTING TO BE REMOVED
EF-3	ROOF MOUNTED	1450	0.38	1/2	120/60/1	9.8	1230	24/7 CONTINUOUS	PENNBARRY MODEL DX16Q1GP
EF-4	IN-LINE	75	0.25	1/20	120/60/1	X	1050	WITH LIGHTS (SEE ELECTRICAL)	EXISTING TO REMAIN.
EF-5	IN-LINE	-	-	-	-	-	-	-	EXISTING TO BE REMOVED
EF-6	CEILING MOUNTED	-	-	-	-	-	-	-	EXISTING TO BE REMOVED
EF-7	IN-LINE	-	-	-	-	-	-	-	EXISTING TO BE REMOVED
EF-8	IN-LINE	-	-	-	-	-	-	-	EXISTING TO BE REMOVED
EF-9	ROOF MOUNTED	1500	0.25	1/2	120/60/1	9.8	1155	(E) COOLING THERMOSTAT	PENNBARRY MODEL DX16Q1GP
EF-10	ROOF MOUNTED	900	0.5	1/3	120/60/1	-	1595	24/7 CONTINUOUS	PENNBARRY MODEL DX13QGP
EF-11	IN-LINE	-	-	-	-	-	-	-	EXISTING TO BE REMOVED
EF-12	ROOF MOUNTED	2200	0.5	3/4	120/60/1	13.8	1725	CARBON MONOXIDE	PENNBARRY MODEL DX16Q2GP
EF-13	WALL MOUNTED	MIN 160	0.125	-	120/60/1	1.7	868	24/7 CONTINUOUS	PENNBARRY MODEL Z8-GPE

ELECTRIC HEATER SCHEDULE

SYM.	TYPE	BTU/H	KW	CHAR	CONTROL	REMARKS
EH-1	SURFACE MOUNT	6,824	2.0	208/60/1	INTEGRAL	QMARK MODEL 4408F WITH SURFACE MOUNTED FRAME
EH-2	SURFACE MOUNT	16,378	4.8	208/60/3	INTEGRAL	QMARK MODEL AWH45083F ARCHITECTURAL HEAVY-DUTY WITH SURFACE MOUNTED FRAME

*INSTALL UNIT ON WALL 12" A.F.F. TO BOTTOM OF FRAME OR UNLESS STATED ON PLANS

ELECTRIC HEATER SCHEDULE

SYM.	TYPE	BTU	KW	CHAR	CONTROL	REMARKS
EH-1	SEMI-RECESSED WALL MTD	13,650	4.0	277/60/1	INTEGRAL	QMARK MODEL AWH4407F WITH SEMI-RECESSED MOUNT FRAME
EH-2	SEMI-RECESSED WALL MTD	16,378	4.8	277/60/1	INTEGRAL	QMARK MODEL AWH4507F WITH SURFACE MOUNT FRAME

★ INSTALL ALL UNITS ON WALL 12" A.F.F. TO BOTTOM OF FRAME

CONDENSING UNIT SCHEDULE

SYM.	COOLING	HEATING	EAT	CHAR.	MCA	MCOP	WEIGHT	REFRIGERANT PIPING*		REMARKS
								LIQUID	SUCTION	
CU-1	33,200 BTU/H	N/A	95°F	208-1Ø	14	25	130#	1/4"	5/8"	MITSUBISHI ELECTRIC MODEL MUY0GS36NA2 CONDENSING UNIT WITH LOW AMBIENT START KIT. 18.5 SEER2.

*ADJUST REFRIGERANT SIZE BASED ON FIELD MEASUREMENTS, QUANTITY OF FITTINGS, AND MANUFACTURER RECOMMENDED SIZING CHARTS.

FAN COIL SCHEDULE

SYM.	CFM	CHAR.	FAN WATTS	FLA	WEIGHT	COOLING CAPACITY	CONDENSATE DRAIN	REMARKS
FC-1	MEDIUM	FROM HP-1	60	1.0	40#	33,200 BTU	3/4"	MITSUBISHI ELECTRIC MODEL MSY-GS36NA2 WITH CONDENSATE PUMP AND WIRED THERMOSTAT.

ROOF TOP HEATING & AIR CONDITIONING UNIT SCHEDULE

SYM.	CFM	OA	SP_E	BLOWER H.P.	CHAR	MCA	MOCP	WEIGHT	GAS CONN	HEATING				COOLING			REMARKS*
										BTU/H IN	BTU/H OUT	EAT	LAT	MBH	EAT	LAT	
RTU-1	1200	200	0.7	0.5	208/60/3	20	30	700 LB	3/4"	110,000	73,000	44.5	107.7	32	95	57.9	CARRIER MODEL 48FCEA04 WITH COIL GUARDS, INTEGRATED DISCONNECT.13.4 SEER2.
RTU-2	4000	1450	0.5	2.0	208/60/3	45	60	1200 LB	3/4"	250,000	200,000	29.9	74.1	125	99	55	CARRIER MODEL 48FCTM12 WITH 2-STAGE COOLING, STAINLESS STEEL HEAT EXCHANGER, ECONOMIZER, BAROMETRIC RELIEF DAMPER, SMOKE DETECTOR, COIL GUARDS, INTEGRATED DISCONNECT AND CONVENIENCE OUTLET. 15 IEER
RTU-3	1200	230	0.65	0.33	208/60/1	26	30	700 LB	3/4"	110,000	73,000	44.5	107.7	32	95	57.9	CARRIER MODEL 48FCEA04 WITH COIL GUARDS, INTEGRATED DISCONNECT. 13.4 SEER2.
RTU-4	1200	180	0.65	0.5	208/60/3	20	30	700 LB	3/4"	110,000	73,000	44.5	107.7	32	95	57.9	CARRIER MODEL 48FCEA04 WITH COIL GUARDS, INTEGRATED DISCONNECT. 13.4 SEER2.
RTU-5	1200	200	0.7	0.5	208/60/3	20	30	700 LB	3/4"	110,000	73,000	44.5	107.7	32	95	57.9	CARRIER MODEL 48FCEA04 WITH COIL GUARDS, INTEGRATED DISCONNECT. 13.4 SEER2.
RTU-6	3000	400	1.0	1.0	208/60/3	40	50	960 LB	3/4"	224,000	181,000	44.5	X	86	95	X	CARRIER MODEL 48FCFM08 WITH 2-STAGE COOLING, SMOKE DETECTOR, ECONOMIZER, COIL GUARDS, INTEGRATED DISCONNECT. 15 IEER.
RTU-7	3000	900	1.0	1.0	208/60/3	40	50	960 LB	3/4"	224,000	181,000	44.5	X	86	95	X	CARRIER MODEL 48FCFM08 WITH 2-STAGE COOLING, SMOKE DETECTOR, ECONOMIZER, COIL GUARDS, INTEGRATED DISCONNECT. 15 IEER.
RTU-8	1600	300	0.7	1.0	208/60/3	26	30	750 LB	3/4"	130,000	106,000	44.5	99.0	44	95	57.3	CARRIER MODEL 48FCEA05 WITH ECONOMIZER, BAROMETRIC RELIEF DAMPER, COIL GUARDS, INTEGRATED DISCONNECT. 13.4 SEER2.
RTU-9	4000	250	0.5	2.0	208/60/3	45	60	1200 LB	3/4"	250,000	200,000	29.9	74.1	125	99	55	CARRIER MODEL 48FCTM12 WITH 2-STAGE COOLING, STAINLESS STEEL HEAT EXCHANGER, ECONOMIZER, BAROMETRIC RELIEF DAMPER, SMOKE DETECTOR, COIL GUARDS, INTEGRATED DISCONNECT AND CONVENIENCE OUTLET. 15 IEER

*UNITS TO COME WITH ADAPT-A-CURB OR SIMILAR IF REQUIRED FOR NEW INSTALL. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND TAKE MEASUREMENTS PRIOR TO PURCHASE.

GRILLE AND REGISTER SCHEDULE

SYM.	TYPE	SIZE	CFM RANGE	THROW PATTERN	CONSTR.	FINISH	BRANCH DUCT	BALANCING DAMPER	MAX NC RATING	REMARKS
CD-1 CFM	SECURITY CEILING	24x24"	40-100	◆	STEEL	BY ARCH	6"Ø	NO	25	PRICE MODEL MSD IN 24x24" SECURITY CEILING
CD-2 CFM	SECURITY CEILING	24x24"	110-225	◆	STEEL	BY ARCH	8"Ø	NO	25	PRICE MODEL MSD IN 24x24" SECURITY CEILING
CD-3 CFM	SECURITY CEILING	24x24"	230-380	◆	STEEL	BY ARCH	10"Ø	NO	25	PRICE MODEL MSD IN 24x24" SECURITY CEILING
CD-4 CFM	SECURITY CEILING	12x12"	110-225	◆	STEEL	BY ARCH	8"Ø	NO	25	PRICE MODEL MSD
CD-5 CFM	CEILING	24x24"	40-100	◆	STEEL	BY ARCH	6"Ø	NO	25	PRICE MODEL SMD IN 24x24" LAY-IN CEILING
CD-6 CFM	CEILING	24x24"	110-225	◆	STEEL	BY ARCH	8"Ø	NO	25	PRICE MODEL SMD IN 24x24" LAY-IN CEILING
CD-7 CFM	CEILING	24x24"	230-380	◆	STEEL	BY ARCH	10"Ø	NO	25	PRICE MODEL SMD IN 24x24" LAY-IN CEILING
CD-8 CFM	CEILING	8x8"	40-100	◆	STEEL	BY ARCH	6"Ø	NO	30	PRICE MODEL SMD
DR-20 CFM	DUCT REGISTER	18x6	330-370	45° DEFLECTION	STEEL	BY ARCH	20"Ø	YES	30	PRICE MODEL SDG SPIRAL DUCT GRILLE
DEG-16 CFM	DUCT REGISTER	26x6	500	0°	STEEL	BY ARCH	16"Ø	YES	30	PRICE MODEL SDGR SPIRAL DUCT GRILLE
EG-1 CFM	CEILING	8x8"	50-100	N/A	STEEL	WHITE	6"Ø	YES	30	PRICE MODEL 10
EG-2 CFM	CEILING	8x8"	50-100	N/A	STEEL	WHITE	8x6"	YES	30	PRICE MODEL MSRRP
PH-1	PENTHOUSE	22x22"	2400	N/A	ALUM	BY ARCH	22x22"	MOTORIZED DAMPER	N/A	GREENHECK WIH-22x22 INTAKE VENTIALTOR
RG-1	SECURITY CEILING	24x24"	125-450	N/A	STEEL	BY ARCH	10x10" SOUND BOOT	NO	25	PRICE MODEL MSRRP IN 24x24" SECURITY CEILING
RG-2	CEILING	12x24"	125-450	N/A	STEEL	WHITE	10x10" SOUND BOOT	NO	25	PRICE MODEL 10 IN 24x24" LAY-IN CEILING
RG-3	SECURITY CEILING	24x24"	455-1000	N/A	STEEL	BY ARCH	14x14" SOUND BOOT	NO	25	PRICE MODEL MSRRP IN 24x24" SECURITY CEILING
SD-1 CFM	SIDEWALL	14x14"	200-230	N/A	STEEL	BY ARCH	8"Ø	YES	30	PRICE MODEL MSBL SECURITY SIDWALL DIFFUSER
SD-1 CFM	SIDEWALL	16x16"	600-800	N/A	STEEL	BY ARCH	16x16"	YES	30	PRICE MODEL MSRRP
WC-1	WALL CAP	8"Ø	N/A	N/A	STEEL	BY ARCH	8"Ø	NO	N/A	

(1) DIFFUSER TO BE MOUNTED 12' AWAY FROM FLOOR.

07.12.24

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2515 Wright Ave, Twin Falls, ID 83301
MECHANICAL SCHEDULES

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PROFESSIONAL ENGINEER — REGISTERED — 18184 — STATE OF IDAHO — DAVID L. HANSEN
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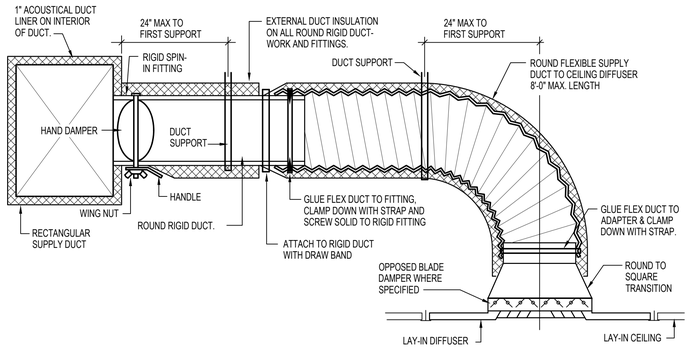
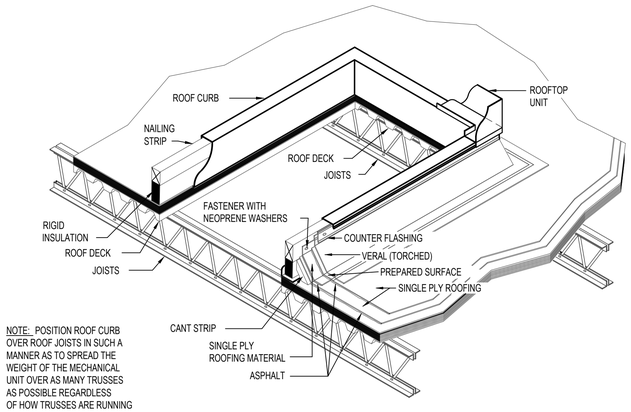


CEILING DIFFUSER DETAIL WITH FLEXIBLE DUCT

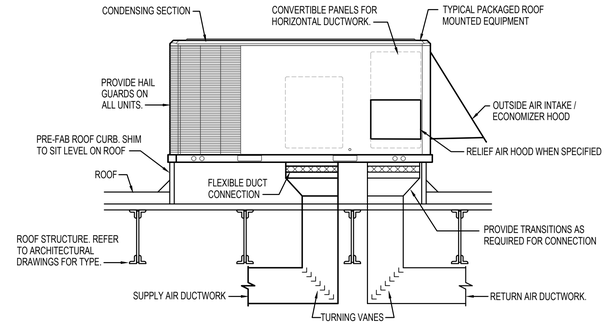
NO SCALE



NOTE: POSITION ROOF CURB OVER ROOF JOISTS IN SUCH A MANNER AS TO SPREAD THE WEIGHT OF THE MECHANICAL UNIT OVER AS MANY TRUSSES AS POSSIBLE REGARDLESS OF HOW TRUSSES ARE RUNNING

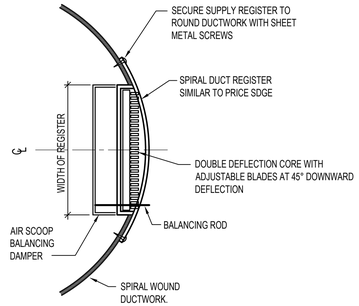
TYPICAL ROOFTOP MOUNTING DETAIL

NO SCALE



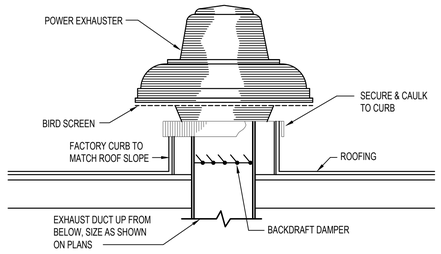
ROOF TOP HVAC UNIT DETAIL

NO SCALE



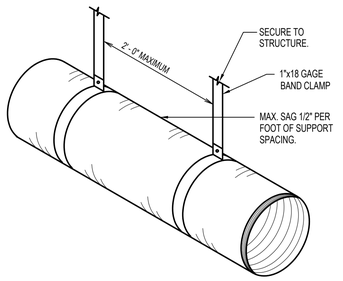
REGISTER INSTALLATION DETAIL

NO SCALE



ROOF TOP EXHAUST FAN DETAIL

NO SCALE



FLEXIBLE DUCT SUPPORT DETAIL

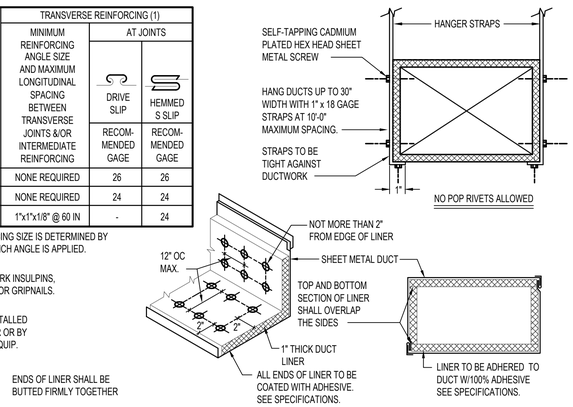
NO SCALE

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1)		
		MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	AT JOINTS	
			DRIVE SLIP	HEMMED S SLIP
			RECOM-MENDED GAGE	RECOM-MENDED GAGE
UP THRU 12	26	NONE REQUIRED	26	26
13 - 18	24	NONE REQUIRED	24	24
19 - 30	24	1"x1"x1/8" @ 60 IN	-	24

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

METAL FASTENERS - OMARK INSULPINS, DURO DYNE FASTENERS OR GRIPNAILS.

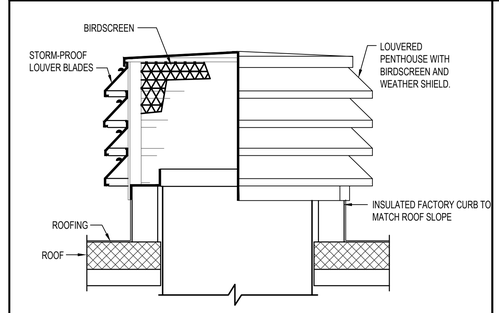
GRIP NAILS SHALL BE INSTALLED BY GRIPNAIL AIR HAMMER OR BY AUTOMATIC FASTENER EQUIP.



ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER

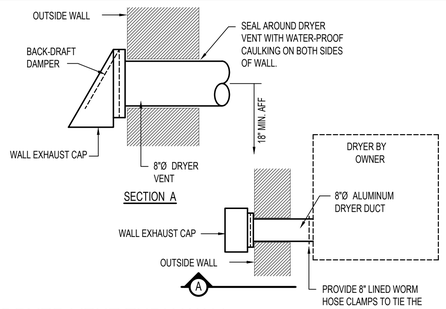
DUCT CONSTRUCTION AND HANGER DETAIL

NO SCALE



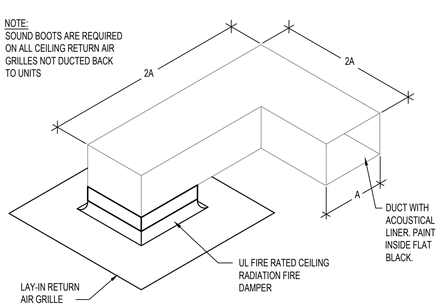
PENTHOUSE DETAIL

NO SCALE



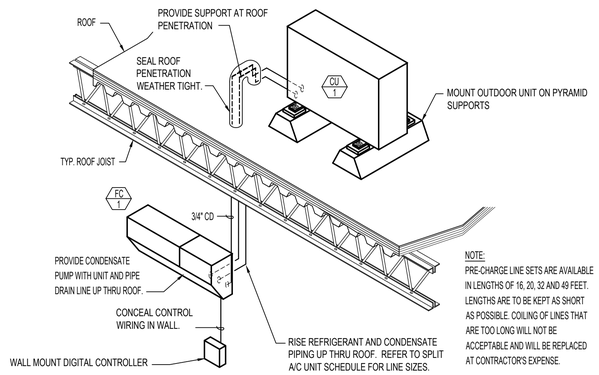
DRYER VENT THRU WALL

NO SCALE



SOUND BOOT DETAIL

NO SCALE



NOTE:
PRE-CHARGE LINE SETS ARE AVAILABLE IN LENGTHS OF 16, 20, 32 AND 49 FEET. LENGTHS ARE TO BE KEPT AS SHORT AS POSSIBLE. COILING OF LINES THAT ARE TOO LONG WILL NOT BE ACCEPTABLE AND WILL BE REPLACED AT CONTRACTOR'S EXPENSE.

FAN COIL & REFRIGERANT PIPING DETAIL

NO SCALE

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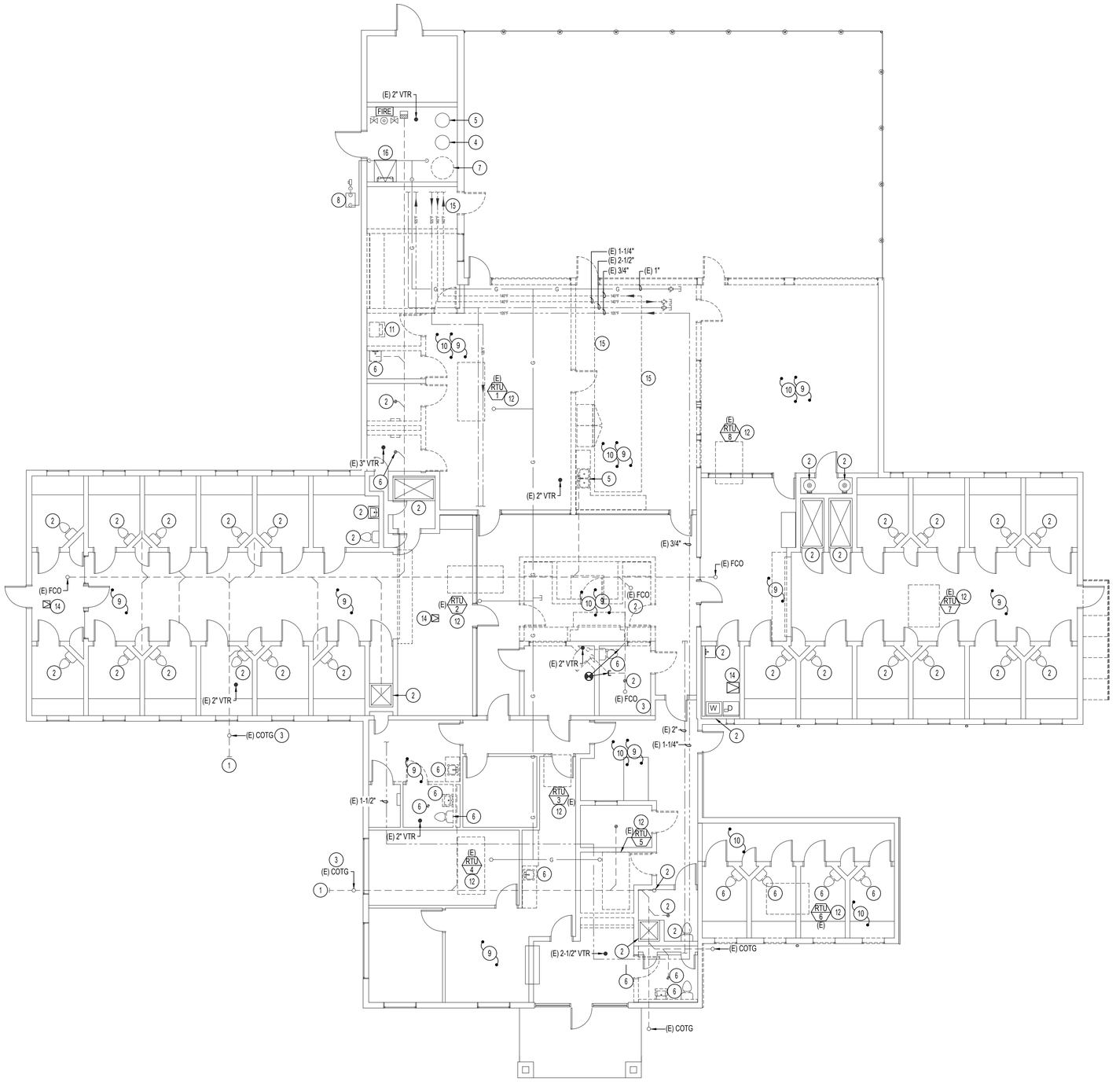

PH 1 PART A DEMO PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

North

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
	HARD COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HW RECIRC. PIPING
140°F	DOMESTIC 140°F HW PIPING
CD	CONDENSATE DRAIN LINE
G	NATURAL GAS PIPING
G	NATURAL GAS REGULATOR
GW	GREASE WASTE
	PRESSURE REDUCUING STATION
	CONNECTION/DISCONNECTION POINT

PLAN NOTES:

1. SEE SITE PLAN FOR CONTINUATION.
2. EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION. CONTRACTOR SHALL REPLACE ALL GASKETS/SEALS FOR ALL FIXTURES.
3. EXISTING CLEAN OUT TO REMAIN. PROTECT DURING CONSTRUCTION.
4. EXISTING WATER SOFTENER TO REMAIN. PROTECT DURING CONSTRUCTION.
5. EXISTING AIR COMPRESSOR SYSTEM TO REMAIN. PROTECT DURING CONSTRUCTION.
6. REMOVE AND DISPOSE OF EXISTING FIXTURE IN ITS ENTIRETY. CAP WASTE BELOW GRADE AND ABANDON. REMOVE AND DISPOSE OF BRANCH WATER AND VENT BACK TO MAIN AND ABANDON IF APPLICABLE.
7. PROVIDE AND INSTALL NEW WATER HEATER IN PLACE OF OLD. INSTALL WITH NEW BALL VALVE, FLEX PIPING, AND GAS CONNECTIONS. SECURE NEW WATER HEATER EXISTING WALL WITH ANCHOR STRAPS. SEE TYPICAL INSTALL DETAIL. CORRESPONDING TEMPER STATION TO REMAIN.
8. COORDINATE WITH LOCAL GAS COMPANY TO ACCOMMODATE 1,833,000 BTU/H AT 2 PSI OPERATING PRESSURE. REMOVE REGULATOR WITHIN MECHANICAL ROOM FOR 2PSI OPERATING PRESSURE THROUGHOUT THE BUILDING. FIELD VERIFY EXISTING CONDITIONS.
9. ALL EXISTING SPRINKLER HEADS WITHIN BUILDING TO BE REMOVED AND REPLACED WITH NEW TYCO / RAVEN INSTITUTIONAL HEADS. FIELD VERIFY EXISTING CONDITIONS.
10. RELOCATE EXISTING FIRE SPRINKLER HEAD LOCATIONS AS REQUIRED BY NFPA 13 REQUIREMENT FOR REMODELED AREA. ALL RELOCATED FIRE SPRINKLER HEADS TO BE NEW TYCO / RAVEN INSTITUTIONAL TYPE.
11. EXISTING DRYER TO BE REMOVED BY THE GENERAL CONTRACTOR PRIOR TO CONSTRUCTION. REMOVE, DISPOSE OF, AND CAP CORRESPONDING BRANCH GAS PIPING BACK TO MAIN. FIELD VERIFY EXISTING CONDITIONS DURING CONSTRUCTION.
12. ROOF TOP UNIT REPLACEMENT BY DIVISION 23. DISCONNECT GAS PIPING PRIOR TO REMOVAL. PROVIDE AND INSTALL NEW GAS CONNECTION AS PER DETAIL ON SHEET P1A-2.1.
13. NEW ROOF TOP UNIT BY DIVISION 23. PROVIDE AND INSTALL NEW GAS CONNECTION AS PER DETAIL ON SHEET P1A-2.1.
14. EXISTING CEILING ACCESS SECUIRTY PANEL.
15. EXISTING 140°F HOT WATER LOOP TO BE REMOVED AND DISPOSED OF. CAP AND ABANDON PIPING BACK TO MECHANICAL ROOM AND ABANDON.
16. EXISTING ROOF ACCESS.

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 PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE PLUMBING CONTRACTOR.

C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.

D- PIPING FROM WATER HEATER TO TERMINATION OF HEATED WATER FIXTURE SUPPLY IPIE SHALL HAVE 1-INCH INSULATION WITH AMINIMUM CONDUCTITY OF 0.21 BTU x IN/(HxFT2xF) AS REQUIRED BY IECC C404.4. INSULATION SHALL BE CONTINUOUS EXCEPT WHERE THE PIPE PASSES THROUGH A FRAMING MEMBER OR AT LOCATIONS WHERE A VERTICAL SUPPORT OF THE PIPING IS INSTALLED.

E- SEE ARCHITECTURAL PLANS FOR ROOM NAMES AND NUMBERS.

PROFESSIONAL ENGINEER
DAVID L. HANSEN
STATE OF IDAHO
18184
Jul 12, 2024

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ESA JOB NUMBER: 24048

07.12.24

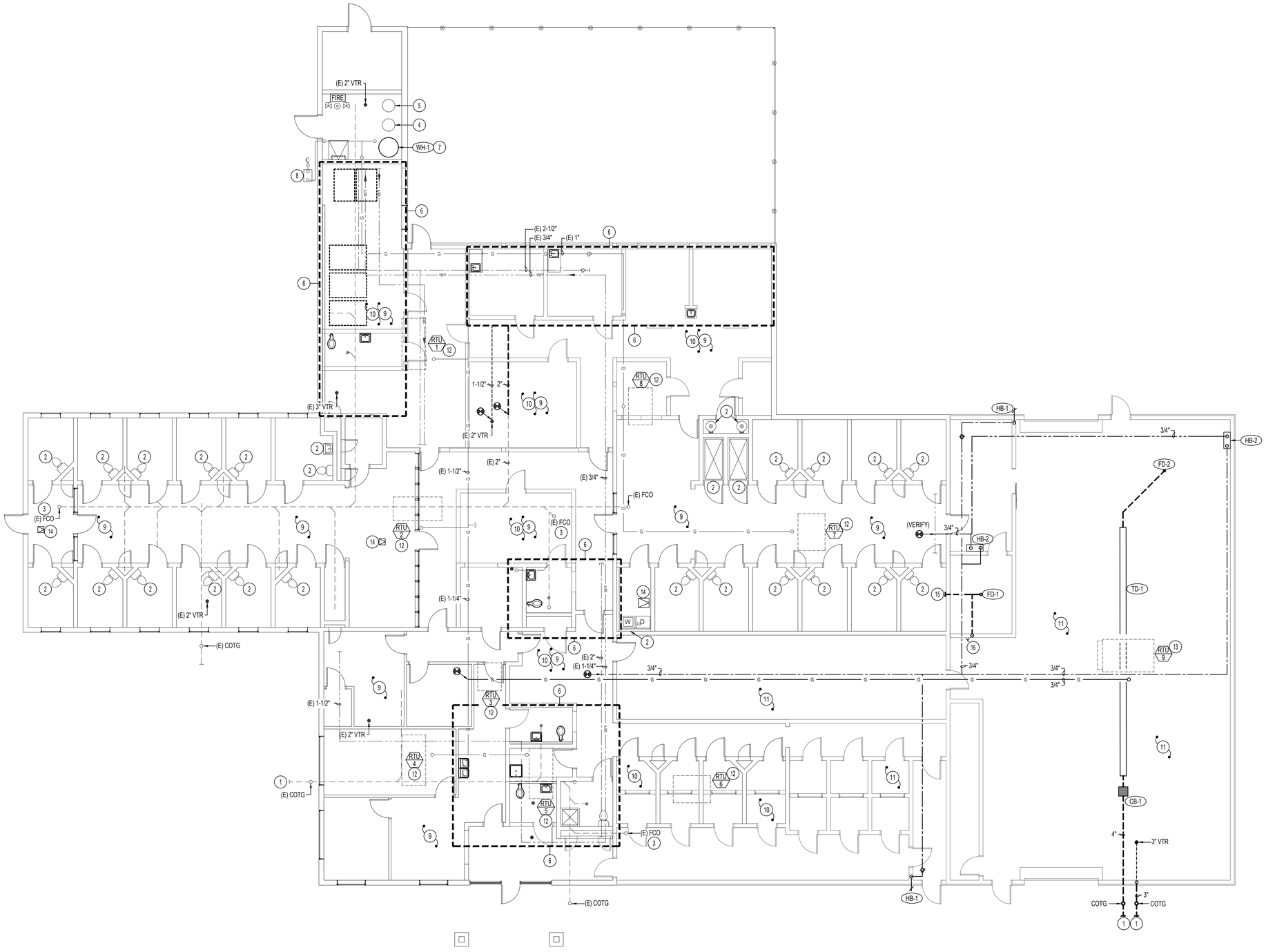
DATE	
Jul 12, 2024	ISSUE FOR PERMIT

AN ADDITION FOR:
TWIN FALLS COUNTY JAIL
2515 Wright Ave, Twin Falls, ID 83301
PH 1 PART A DEMO PLUMB. FLOOR PLAN

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

DATE: 07/12/2024
TD Drawn | DLH Checked

P1A-1.0



PH 1 PART A PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

North

PLAN NOTES:

1. SEE SITE PLAN FOR CONTINUATION.
2. EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION. CONTRACTOR SHALL REPLACE ALL GASKETS/SEALS FOR ALL FIXTURES.
3. EXISTING CLEAN OUT TO REMAIN. PROTECT DURING CONSTRUCTION.
4. EXISTING WATER SOFTENER TO REMAIN. PROTECT DURING CONSTRUCTION.
5. EXISTING AIR COMPRESSOR SYSTEM TO REMAIN. PROTECT DURING CONSTRUCTION.
6. SEE LARGE SCALE PLANS ON SHEET P1A-1.2 FOR CONTINUATION.
7. PROVIDE AND INSTALL NEW WATER HEATER IN PLACE OF OLD. INSTALL WITH NEW BALL VALVE. FLEX PIPING. AND GAS CONNECTIONS. SECURE NEW WATER HEATER EXISTING WALL WITH ANCHOR STRAPS. SEE TYPICAL INSTALL DETAIL. CORRESPONDING TEMPER STATION TO REMAIN.
8. COORDINATE WITH LOCAL GAS COMPANY TO ACCOMMODATE 1,833,000 BTU/H AT 2 PSI OPERATING PRESSURE. REMOVE REGULATOR WITHIN MECHANICAL ROOM FOR 2PSI OPERATING PRESSURE THROUGHOUT THE BUILDING. FIELD VERIFY EXISTING CONDITIONS.
9. ALL EXISTING SPRINKLER HEADS WITHIN BUILDING TO BE REMOVED AND REPLACED WITH NEW TYCO / RAVEN INSTITUTIONAL HEADS. FIELD VERIFY EXISTING CONDITIONS.
10. RELOCATE EXISTING FIRE SPRINKLER HEAD LOCATIONS AS REQUIRED BY NFPA 13 REQUIREMENT FOR REMODELED AREA. ALL RELOCATED FIRE SPRINKLER HEADS TO BE NEW TYCO / RAVEN INSTITUTIONAL TYPE.
11. FIRE SPRINKLER PLANS FOR NEW ADDITION VIA DIFFERED SUBMITTAL.
12. ROOF TOP UNIT REPLACEMENT BY DIVISION 23. DISCONNECT GAS PIPING PRIOR TO REMOVAL. PROVIDE AND INSTALL NEW GAS CONNECTION AS PER DETAIL ON SHEET P1A-2.1.
13. NEW ROOF TOP UNIT BY DIVISION 23. PROVIDE AND INSTALL NEW GAS CONNECTION AS PER DETAIL ON SHEET P1A-2.1.
14. EXISTING CEILING ACCESS.
15. CONTRACTOR REQUIRED TO SCOPE EXISTING WASTE LINES PRIOR TO CONSTRUCTION FOR BEST POSSIBLE SAW CUT FOR NEW WASTE LINE. COORDINATE WITH THE GENERAL CONTRACTOR FOR REQUIRED SAW CUT AND REPAIR.
16. ROUTE VENT LINE TO NEAREST EXISTING EQUIVALENT OR LARGER.

GAS LOAD CALCS

RTU 1	110,000 BTU/H
RTU 2	130,000 BTU/H
RTU 3	110,000 BTU/H
RTU 4	110,000 BTU/H
RTU 5	110,000 BTU/H
RTU 6	224,000 BTU/H
RTU 7	130,000 BTU/H
RTU 8	130,000 BTU/H
RTU 9	250,000 BTU/H
WH-1	199,000 BTU/H
DRYERS	330,000 BTU/H

TOTAL GAS LOAD	1,833,000 BTU/H
TOTAL DESIGN LOAD	2,362,000 BTU/H
DESIGNED LENGTH	250 FEET
DISCHARGE PRESSURE	(E) 2 PSI
MAIN GAS PIPE SIZE	(E) 1-1/2"

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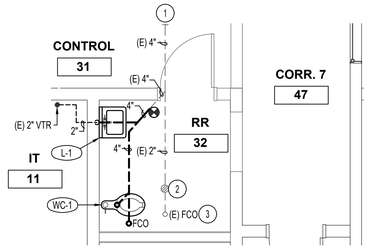
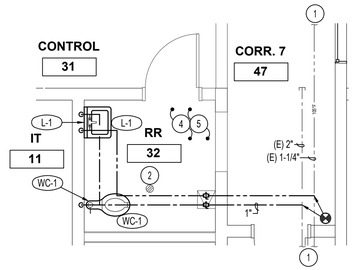


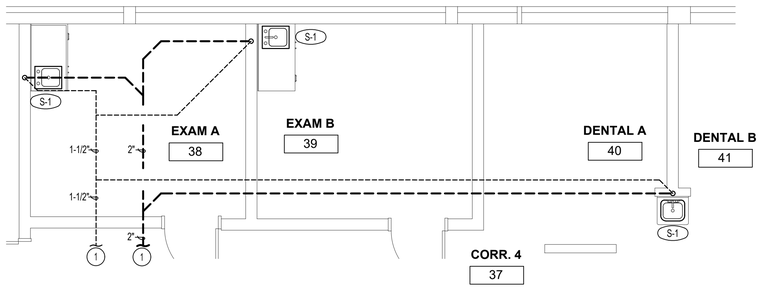
LARGE SCALE RR-32 WASTE & VENT FLOOR PLAN

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



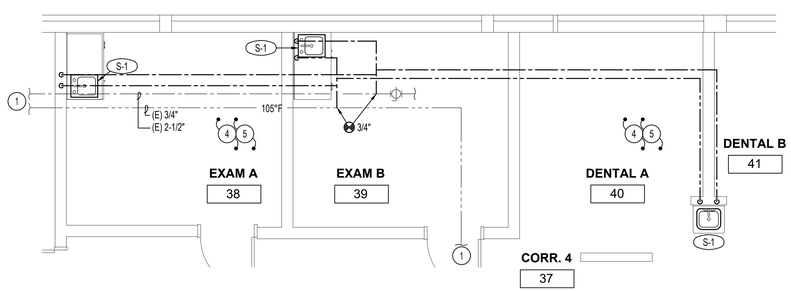
LARGE SCALE RR-32 WATER FLOOR PLAN

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



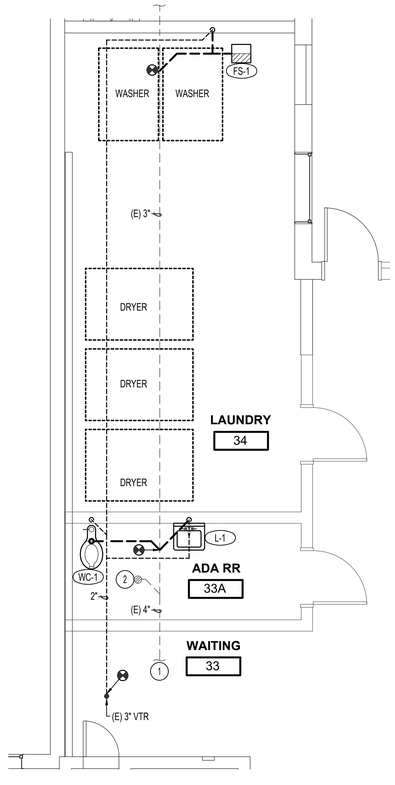
LARGE SCALE MEDICAL WASTE & VENT FLOOR PLAN

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



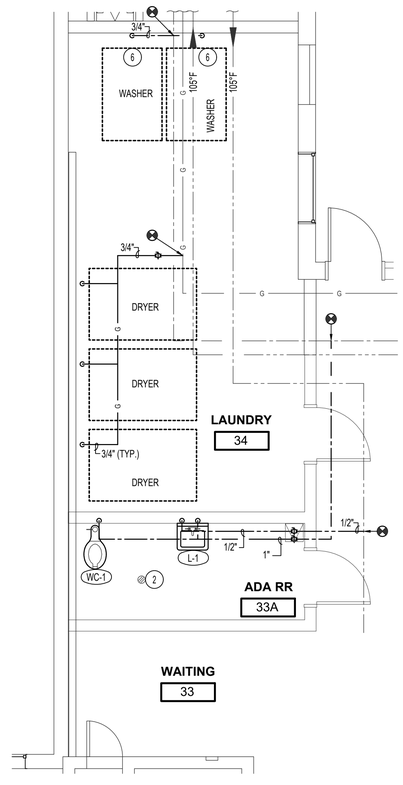
LARGE SCALE MEDICAL WATER FLOOR PLAN

SCALE: 1/8" = 1'-0"



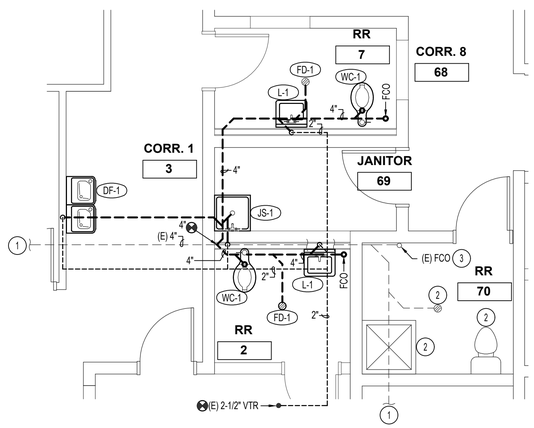
LARGE SCALE LAUNDRY WASTE & VENT FLOOR PLAN

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



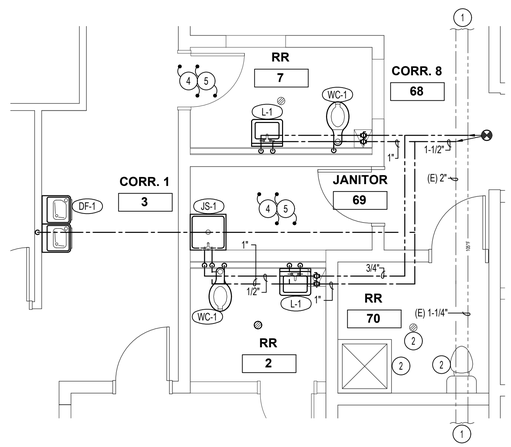
LARGE SCALE LAUNDRY WATER FLOOR PLAN

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



LARGE SCALE RR-2 & 7 WASTE & VENT FLOOR PLAN

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



LARGE SCALE RR-2 & 7 WATER FLOOR PLAN

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

PLAN NOTES:

1. SEE SHEET P1A-1.2 FOR CONTINUATION.
2. EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION.
3. EXISTING CLEAN OUT TO REMAIN. PROTECT DURING CONSTRUCTION.
4. ALL EXISTING SPRINKLER HEADS WITHIN BUILDING TO BE REMOVED AND REPLACED WITH NEW TYCO / RAVEN INSTITUTIONAL HEADS. FIELD VERIFY EXISTING CONDITIONS.
5. RELOCATE EXISTING FIRE SPRINKLER HEAD LOCATIONS AS REQUIRED BY NFPA 13 REQUIREMENT FOR REMODELED AREA. ALL RELOCATED FIRE SPRINKLER HEADS TO BE NEW TYCO / RAVEN INSTITUTIONAL TYPE.
6. PIPE 3/4" COPPER COLD WATER LINE DOWN ALONG WALL AND CONNECTED TO WASHER WITH BALL VALVE, UNION, AND FLEX HOSE. FOLLOW WASHER MANUFACTURER RECOMMENDED INSTALL AND MODIFY INSTALL AS REQUIRED.

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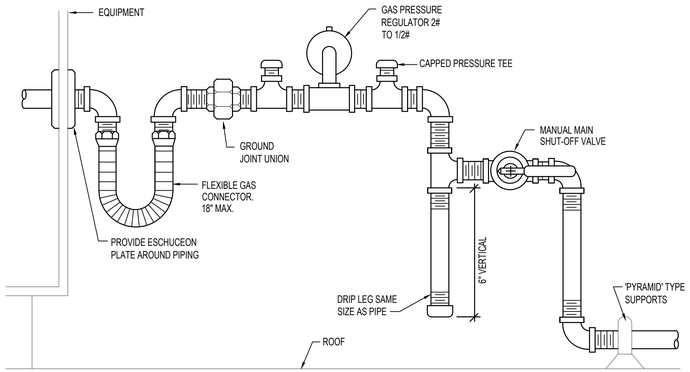
P1A-1.1

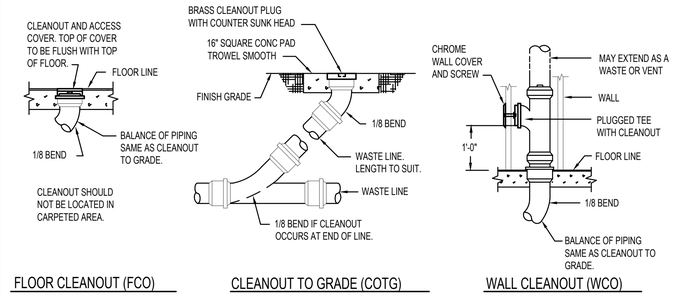
FIXTURE SCHEDULE

SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
CB-1	CATCH BASIN - SEE DETAIL ON THIS SHEET.	---	---	4"	---
DF-1	BI-LEVEL ADA DRINKING FOUNTAIN - ELKAY MODEL LZSTL8WSLK WITH BOTTLE FILLER STATION & FILTER FRONT PUSH BAR OPERATORS, 1/2" STOP, 1-1/2" P-TRAP AND FLEX-GUARD SAFETY BUBBLER VALVE.	---	1/2"	1-1/2"	1-1/2"
FD-1	2" FLOOR DRAIN - ZURN Z-415B WITH 5"Ø CHROME-PLATED BRONZE STRAINER, 2" DEEP SEAL P-TRAP, AND TRAP SEAL.	---	---	2"	2"
FD-2	2" FLOOR DRAIN - ZURN Z-415B WITH 5"Ø CHROME-PLATED BRONZE STRAINER.	---	---	2"	2"
FS-1	FLOOR SINK - ZURN Z-1900-KC WITH WHITE ENAMEL FINISH, DOME STRAINER AND 4" DEEP SEAL P-TRAP. PROVIDE 1/2 GRATE OVER SINK.	---	---	3"	2"
HB-1	HOSE BIBB - ZURN MODEL Z1305 "ECOLOTROL" ENCASED & LOCKABLE NON-FREEZE HOSE BIBB. LENGTH TO SUIT WALL THICKNESS.	---	3/4"	---	---
HB-2	HOSE BIBB - SEE DETAIL ON THIS SHEET.	3/4"	3/4"	---	---
L-1	ADA COUNTERTOP LAVATORY - KOHLER MODEL K-2905-4 SELF-RIMMING "FARMINGTON" WITH MOEN L4601 LEVER FAUCET, K-7715 OPEN GRID STRAINER, 1/2" BALL STOPS AND 1-1/4" P-TRAP. INSULATE HOT WATER SUPPLY AND TRAP WITH JACKET.	1/2"	1/2"	1-1/2" (1)	1-1/2"
S-1	SINGLE COMPARTMENT SINK - ELKAY MODEL HDSB1515SPWK WITH 18 GA TYPE 304 STAINLESS STEEL CONSTRUCTION, 2-HOLE FAUCET DRILLINGS, ELKAY LK2477CR FAUCET, LK-99 STRAINER, 1-1/2" P-TRAP AND 1/2" BALL TYPE STOP VALVES.	1/2"	1/2"	2"	1-1/2"
TD-1	TRENCH DRAIN - ZURN 886-HD 6-3/4" WIDE HEAVY DUTY TRENCH DRAIN SYSTEM WITH 4" END OUTLET, END CAP AND DUCTILE IRON SLOTTED GRATE, LENGTH AS PER FLOOR PLAN.	---	---	4"	---
WC-1	ADA FLUSH VALVE WATER CLOSET - KOHLER K-4368 "HIGHCLIFF" WITH ELONGATED BOWL, K-4670C WHITE OPEN FRONT SEAT, SLOAN REGAL FLUSH VALVE AND BOLT CAPS.	---	1"	4"	2"
WH-1	100 GALLON GAS FIRED WATER HEATER - A.O.SMITH MODEL BTR-199 ATMOSPHERIC WATER HEATER WITH 100 GALLON CAPACITY, 199,000 BTU/H, (120/60/1), 1-1/2" SUPPLIES AND T&P RELIEF VALVE.	1-1/2"	1-1/2"	---	---

(1) LAVATORYS TO HAVE 2" VENT IF USED AS BATHROOM GROUP WET VENT.

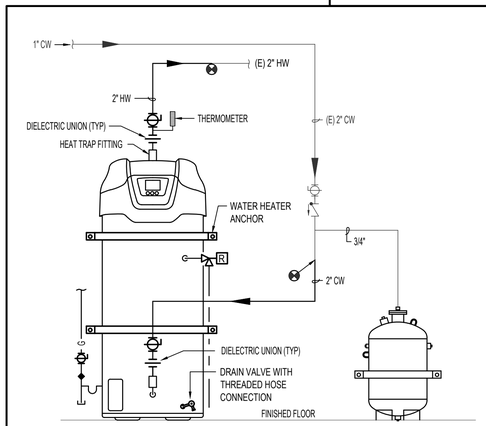


ROOF TOP GAS PRESSURE REGULATOR DETAIL
NO SCALE

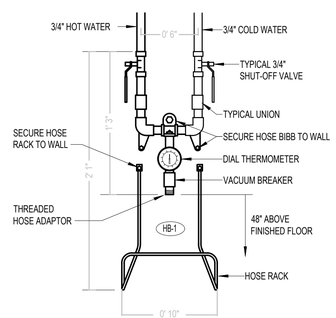


FLOOR CLEANOUT (FCO) | CLEANOUT TO GRADE (COTG) | WALL CLEANOUT (WCO)

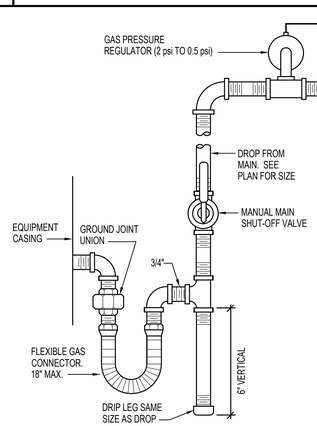
CLEAN OUT DETAILS
NO SCALE



TYPICAL WATER HEATER PIPING DIAGRAM
NO SCALE



INTERIROR HOSE BIBB DETAIL
NO SCALE

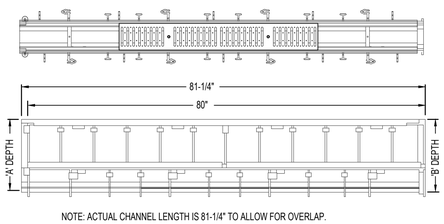


GAS LINE CONNECTION DETAIL
NO SCALE

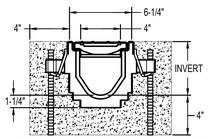
TRENCH SECTIONS

	TRENCH NO. *	SHALLOW INVERT 'A'	DEEP INV. 'B'
40'-0" TRENCH	8604	5.30"	5.90"
	8605	5.90"	6.50"
	8606	6.50"	7.10"
	8607	7.10	7.70"
	8608	7.70"	8.30"
	8609	8.30"	8.90"
54'-4" TRENCH	8604	5.30"	5.90"
	8605	5.90"	6.50"
	8606	6.50"	7.10"
	8607	7.10	7.70"
	8608	7.70"	8.30"
	8609	8.30"	8.90"
	8610	8.90"	9.50"
	86011	9.50"	10.10"
80'-0" TRENCH	8604	5.30"	5.90"
	8605	5.90"	6.50"
	8606	6.50"	7.10"
	8607	7.10	7.70"
	8608	7.70"	8.30"
	8609	8.30"	8.90"
	8610	8.90"	9.50"
	86011	9.50"	10.10"
	8612	10.10"	10.70"
	8613	10.70"	11.30"
	8614	11.30"	11.90"
	8615	11.90"	12.50"

* TRENCH SECTIONS ARE 80" LONG. DO NOT USE NEUTRAL SECTIONS.

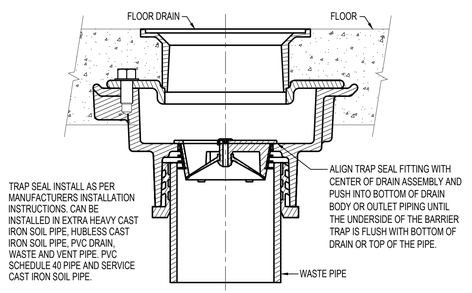


NOTE: ACTUAL CHANNEL LENGTH IS 81-1/4" TO ALLOW FOR OVERLAP.

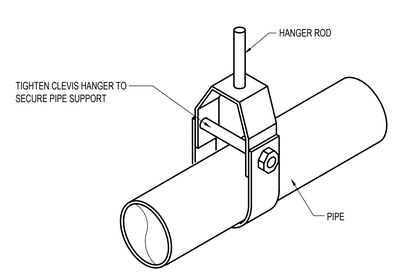


PLUMBING CONTRACTOR IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING. EXTEND 4" WASTE LINE FROM END OF TRENCH AND CONNECT TO SAND AND GREASE TRAP AS SHOWN ON PLANS. PROVIDE FLOOR CLEAN OUT ON WASTE LINE

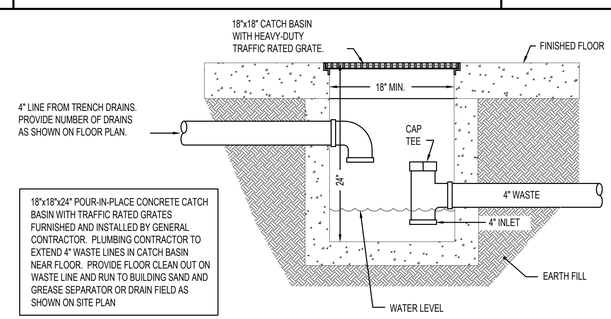
TRENCH DRAIN INSTALLATION DETAILS
NO SCALE



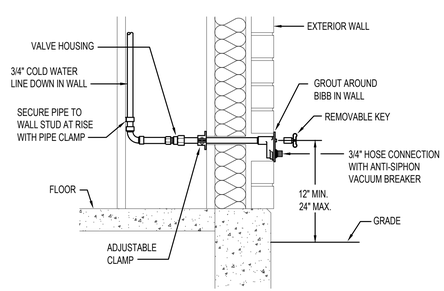
TRAP SEAL INSTALLATION DETAIL
NO SCALE



UNINSULATED PIPE SUPPORT DETAIL
NO SCALE



CATCH BASIN PIPING DETAIL
NO SCALE



EXTERIOR HOSE BIBB DETAIL
NO SCALE

07.12.24

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2515 Wright Ave, Twin Falls, ID 83301
PLUMBING SCHEDULES AND DETAILS

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PROFESSIONAL ENGINEER — STATE OF IDAHO — 18184 — DAVID L. HANSEN — Jul 12, 2024

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P1A-2.1

LIGHTING SYMBOL SCHEDULE

NOTE: ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
F1	LIGHT FIXTURE TYPE DESIGNATION
	PARKING AREA POLE LIGHT, SINGLE OR DOUBLE HEAD AS INDICATED ON DRAWINGS. REFER TO LIGHT POLE DETAIL FOR POLE INFORMATION.
	EXTERIOR WALL MOUNTED FIXTURE
	2X4 FLUORESCENT OR LED FIXTURE
	2X2 FLUORESCENT OR LED FIXTURE
	SURFACE MOUNTED FLUORESCENT OR LED FIXTURE
	STRIP FLUORESCENT OR LED FIXTURE
	WALL MOUNTED FLUORESCENT OR LED FIXTURE
	ROUND RECESSED FIXTURE
	SURFACE OR PENDANT FIXTURE
	EXIT SIGN, WALL OR CEILING MOUNTING AS REQUIRED (SINGLE OR DOUBLE FACE) DIRECTIONAL CHEVRONS AS INDICATED; CONNECT TO EMERGENCY GENERATOR CIRCUIT.
	WALL OR CEILING MOUNTED EMERGENCY LIGHTING UNIT W/BATTERY PACK CONNECT TO UNSWITCHED LEG OF LIGHTING CIRCUIT THAT IS IN THE SAME AREA AS THE EMERGENCY LIGHT.
	SHADED FIXTURE INDICATES AN EMERGENCY FIXTURE. PROVIDE WITH EMERG. BATTERY PACK OR CONNECT TO EMERGENCY POWER SYSTEM (WHERE APPLICABLE). CONNECT BATTERY PACK TO UNSWITCHED LEG OF LIGHTING CIRCUIT THAT SERVES THE SAME AREA AS THE EMERGENCY FIXTURE. PROVIDE WITH TEST LIGHT AND SWITCH.
S ###	CEILING MOUNTED OCCUPANCY SENSOR, REFER TO OCCUPANCY SENSOR/SWITCH SCHEDULE FOR SENSOR TYPE AND ADDITIONAL INFORMATION.
###	SWITCH MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE SWITCHPOD OR DIMMER SWITCH, REFER TO OCCUPANCY SENSOR/SWITCH SCHEDULE FOR TYPE AND ADDITIONAL INFORMATION.
$	SINGLE-POLE SWITCH (SEE SUB-SCRIPTS BELOW FOR ADDITIONAL INFORMATION)

LIGHT FIXTURE SUBSCRIPTS

NL NIGHT-LIGHT(CONNECT TO UNSWITCHED LEG OF CIRCUIT)

SWITCH SUBSCRIPTS

3 3-WAY SWITCH
4 4-WAY SWITCH
D DIMMER SWITCH (COMPATIBLE W/ LOAD & LTG TYPES)
F 7-DAY PROGRAMMABLE TIMER SWITCH (INTERMATIC MODEL EI500WC SERIES)
P PILOT LIGHTED SWITCH
LV LOW-VOLTAGE SWITCH (PER DWG'S)
T THERMAL-OVERLOAD SWITCH
M SWITCH SUPPLIED WITH EQUIPMENT, INSTALLED BY E.C.
WP WEATHERPROOF
2P DOUBLE POLE, SINGLE THROW SWITCH

GENERAL LIGHTING NOTES:

A. SYMBOLS SHOWN ABOVE MAY NOT REPRESENT ALL LIGHT FIXTURES USED ON PROJECT, REFER TO LIGHT FIXTURE SCHEDULE FOR ACTUAL FIXTURE INFORMATION INCLUDING FIXTURE TYPE, LAMPING, MOUNTING AND ETC.
B. JUNCTION BOXES FOR LIGHTING CIRCUITING ARE NOT SHOWN FOR CLARITY. THE E.C. IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL JUNCTION BOXES REQUIRED FOR CIRCUITING OF ALL LIGHT FIXTURES THAT ARE NOT LISTED FOR "THROUGH-BRANCH CIRCUIT WIRING".
C. IN GENERAL ALL SWITCH-LEG CONDUCTORS MAY NOT BE SHOWN ON DRAWINGS; E.C. SHALL PROVIDE AND INSTALL CONDUCTORS AS REQUIRED TO ACHIEVE CONTROL SCHEMES INDICATED AND DESCRIBED ON DRAWINGS. INCLUDING ALL 0 - 10V DIMMING CONTROLS BETWEEN SWITCH AND FIXTURES.
D. ALL BATTERY EXIT SIGNS AND EMERGENCY LIGHTING TO BE CONNECTED TO THE UNSWITCHED LEG OF THE LIGHTING CIRCUIT IN THE AREA.

CIRCUITING & GENERAL SYMBOL SCHEDULE

NOTE: ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
1	KEYED NOTE REFERENCE
1 / ES101	DETAIL # / SHEET REFERENCE
A-1,3,5 3/4"C.-6#12,1#12G	BRANCH CIRCUIT HOME-RUN TO PANEL INDICATED A-1,3,5 — PANEL AND CIRCUIT DESIGNATIONS 3/4"C.-6#12,1#12G QTY & SIZE OF EQUIPMENT GROUND CONDUCTOR QTY & SIZE OF NEUTRAL AND PHASE CONDUCTOR(S) SIZE OF CONDUIT
	TICK MARKS EQUIPMENT GROUNDING CONDUCTOR NEUTRAL CONDUCTOR(S) PHASE AND/OR SWITCH-LEG CONDUCTOR(S)
*25,000A	CALCULATED AVAILABLE FAULT CURRENT AT EQUIPMENT(SEE POWER RISER)
	BRANCH CIRCUIT/FEEDER CONCEALED IN CEILING OR WALL
	BRANCH CIRCUIT/FEEDER CONCEALED UNDERGROUND OR FLOOR
	NEW EQUIPMENT, DEVICES, ETC.
	EXISTING EQUIPMENT, DEVICES, ETC.
	DEMOLITION EQUIPMENT, DEVICES, ETC.

UTILITY LIGHTING REBATES & INCENTIVES:

IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PREPARE ALL REQUIRED APPLICATIONS AND INFORMATION REQUIRED TO PROVIDE THE OWNER WITH THE MAXIMUM AMOUNT OF REBATE DOLLARS FROM THE LOCAL UTILITY COMPANY. THE ELECTRICAL CONTRACTOR SHALL SUBMIT VERIFICATION OF THE UTILITY COMPANY PRE-APPLICATION APPROVAL PRIOR TO ORDERING ANY MATERIALS.

VISIT THE FOLLOWING UTILITY CO. WEBSITES FOR INFORMATION:

IDAHO POWER CO.
WWW.IDAHOPOWER.COM
CONTACT:
SHELLEY MARTIN (208) 388-5872
OR DAN KUHL (503) 308-0233
dan.kuhl@evergreen-efficiency.com

ROCKY MOUNTAIN POWER CO.
WWW.ROCKYMOUNTAINPOWER.NET
CONTACT:
DAN KUHL (503) 308-0233
dan.kuhl@evergreen-efficiency.com

POWER SYMBOL SCHEDULE

NOTE: ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
"MSB"	ELECTRICAL SWITCHBOARD EQUIPMENT, (SEE POWER RISER AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION)
"T##"	DRY-TYPE TRANSFORMER, (SEE POWER RISER FOR ADDITIONAL INFORMATION)
"LA"	ELECTRICAL PANELBOARD, (SEE POWER RISER AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION)
	DISCONNECT SWITCH, SIZE/POLES/TYPE AS INDICATED TYPES: 1=NEMA 1, 3R=NEMA 3R, 4X=NEMA 4X
	FUSED DISCONNECT SWITCH, SIZE/POLES/TYPE AS INDICATED TYPES: 1=NEMA 1, 3R=NEMA 3R, 4X=NEMA 4X
	COMBINATION STARTER & FUSED DISCONNECT SWITCH, SIZE/POLES/TYPE AS INDICATED. TYPES: 1=NEMA 1, 3R=NEMA 3R, 4X=NEMA 4X
J	JUNCTION BOX CR = CORD REEL; SEE DRAWINGS FOR INFORMATION CD = CORD DROP; SEE DRAWINGS FOR INFORMATION
	EQUIPMENT CONNECTION; COORDINATE CONNECTION WITH EQUIPMENT PRIOR TO ROUGH-IN
M	MOTOR CONNECTION
F	EXHAUST FAN CONNECTION
	POWER AND/OR DATA SERVICE POLE
FB#	FLOORBOX (SEE FLOORBOX SCHEDULE FOR ADDITIONAL INFORMATION)
	PUSHBUTTON STATION
	SPECIAL RECEPTACLE (COORDINATE NEMA TYPE WITH EQUIP.) (REFER TO PANEL SCHEDULES FOR AMPS)
	CEILING MOUNTED DUPLEX RECEPTACLE (COORDINATE PLACEMENT WITH CEILING EQUIPMENT PRIOR TO ROUGH-IN)
	DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT
	GFCI-TYPE DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT
	SPLIT-WIRED RECEPTACLE, HALF OF RECEPT. SHALL BE SWITCHED OTHER HALF SHALL HAVE CONSTANT POWER.
	DOUBLE-DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT
	GFCI-TYPE DOUBLE-DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT.

RECEPTACLE AND EQUIPMENT SUBSCRIPTS

AC ABOVE COUNTER
WP WEATHERPROOF (UL LISTED WEATHER-RESISTANT)
42" MOUNTING HEIGHT AFF OR AFG
REF REFRIGERATOR
M MICROWAVE
M/R MICROWAVE/RANGE HOOD (LOCATE ABOVE RANGE)
USB DUPLEX RECPT. WITH (2) USB CHARGING PORTS
DW DISHWASHER, INSTALL PER NEC 422.16(B)(2)
D/DW DISPOSAL/DISHWASHER, INSTALL PER NEC 422.16(B)(2)
TV RECEPT. DEDICATED TO TV; FIELD VERIFY HEIGHT W/ TV PRIOR TO ROUGH-IN.
EWC ELECTRIC WATER COOLER; PROVIDE GFCI PROTECTION PER NEC 422.5(A)
E "RED" RECEPTACLE CONNECTED TO EMERG. POWER SYSTEM.
D CLOTHES DRYER (NEMA 14-30R)
R ELECTRIC RANGE (NEMA 14-50R)
W WELDER RECEPTACLE 208/240V - NEMA 6-50R

T OR S — HVAC THERMOSTAT OR SENSOR; PROVIDE & INSTALL BACKBOX,3/4" CONDUIT AND CONDUCTORS TO ASSOCIATED HVAC UNIT. COORDINATE EXACT LOCATION & SIZE AND NUMBER OF CONDUCTORS WITH M.C.

GENERAL SPECIAL SYSTEM NOTES:

A. ALL DEVICES SHOWN AT OR NEAR MILLWORK/CASEWORK SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATION DRAWINGS AND MILLWORK INSTALLER TO INSURE PROPER MOUNTING HEIGHTS. CONTRACTOR SHALL ADJUST DEVICES AS NECESSARY IN ORDER TO POSITION DEVICES SUCH THAT THEY WILL NOT FALL BEHIND MILLWORK, CABINETS OR BE DIRECTLY ABOVE SINKS OR MIDWAY BETWEEN TILEWORK/WALL OR WAINSCOATING, ETC.
B. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL A GFCI TYPE RECEPTACLE FOR ALL RECPTACLES SHOWN IN TOILET RMS, BATHROOMS, KITCHENS/SERVING AREAS, ROOFTOP, OUTDOORS OR WITHIN 6FT OF ANY SINK, BASIN, TUB OR FLOOR SINK AND ALL OTHER AREAS DEFINED BY THE NEC.

PROJECT GENERAL NOTES:

A. E.C. SHALL REFER TO THE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND ELECTRICAL CONNECTIONS.
B. E.C. SHALL PROVIDE MINIMUM WORKING CLEARANCE AS PER NEC BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS. SEE ELECTRICAL EQUIPMENT CLEARANCE DETAIL.
C. INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOM AFTER THE MECHANICAL EQUIPMENT IS IN PLACE. ADJUST AS NECESSARY. PROVIDE CHAIN SUSPENSION KITS AS REQUIRED.
D. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN(S) FOR EXACT FIXTURE LOCATIONS, CEILING TYPES, ETC.
E. E.C. SHALL PROVIDE ALL CONCRETE PADS AS REQUIRED FOR ALL ELECTRICAL EQUIPMENT.
F. CONFIRM EXACT LOCATIONS OF ALL TELEPHONE/DATA OUTLETS WITH OWNER PRIOR TO ROUGH-IN.
G. LOCATE SWITCHES, OUTLETS, ETC,, SHOWN AT ROOM ENTRY DOORWAYS, AS CLOSE TO DOOR FRAME AS POSSIBLE, SO AS NOT RO INTERFERE WITH ROOM CABINETS, ETC.
H. SUPPORT ALL LIGHT FIXTURES INDEPENDENT OF CEILING.
I. ELECTRICAL CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS FOR WORK AND PAY ASSOCIATED FEES.
J. MAINTAIN 24" MIN. CLEARANCE FROM ALL COMMUNICATIONS CABLING AND ELECTRONIC BALLASTS.
K. UNLESS SPECIFICALLY INDICATED OTHERWISE, E.C. SHALL COORDINATE WITH ANY SPECIAL SYSTEMS SUPPLIER/SHOP DRAWINGS; DENTAL, MEDICAL, KITCHEN, SPECIALIZED EQUIPMENT, ETC. FOR THE EXACT ROUGH-IN REQUIREMENTS FOR THEIR EQUIPMENT. ALSO UNLESS INDICATED OTHERWISE, THE E.C. TO BE RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS TO ALL SPECIAL EQUIPMENT.
L. ALL CONDUIT/RACEWAY/CABLES TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. IF ANY SURFACE WORK IS NECESSARY, IT SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
M. ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND THOROUGHLY INVESTIGATE THE EXISTING CONDITIONS, AS THEY RELATE TO THE SCOPE OF WORK DESCRIBED. MAKE NECESSARY PROVISIONS IN THE BASE BID TO ADEQUATELY ACCOMMODATE THESE CONDITIONS.
N. DATA CABLING SYSTEM PRE-INSTALLATION CONFERENCE:
   1. E.C. SHALL SCHEDULE A MEETING A MINIMUM OF FIVE CALENDAR DAYS PRIOR TO BEGINNING DATA CABLING INSTALLATION . ATTENDEES SHOULD INCLUDE OWNER'S REP., ENGINEER, GC, EC AND CABLING SUB. REFER TO SECTION 26 6210(1.4)(E) FOR ADDITIONAL INFORMATION.

SPECIAL SYSTEMS SYMBOL SCHEDULE

NOTE: ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
D-X	DATA OUTLET; _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
D-X	CEILING MOUNTED DATA OUTLET; _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
T-X	TELEPHONE OUTLET; _= # OF TELEPHONE CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
T/ D-X	TELEPHONE/DATA OUTLET; _= # OF TELEPHONE/DATA CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
FB# -D-X	ELECTRICAL FLOORBOX REFER TO "ELECTRICAL FLOORBOX SCHEDULE" FOR INFORMATION. _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
### _D-X	TV AND/OR AV BOX; WITH POWER, DATA AND/OR AV CONNECTIVITY ### = BOX ID: REFER TO "ELECTRICAL AV/TV BOX SCHEDULE" FOR INFORMATION. _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTE #2 BELOW) INSTALL CONDUIT (SIZE AS INDICATED) FROM BOX TO NEAREST ACCESSIBLE CEILING SPACE W/ DATA CABLING/TERMINATIONS AS INDICATED ON DRAWINGS.
WALL (qty) ### FLOOR (qty) ###	WALL/FLOOR ELECTRICAL PATHWAY SLEEVE; INSTALL THROUGH WALL OR FLOOR AS INDICATED. SLEEVES SHALL BE ABOVE ACCESSIBLE CEILINGS IN ACCESSIBLE LOCATION, FIELD VERIFY EXACT LOCATION TO AVOID CONFLICT WITH OTHER TRADES AND UTILITIES. IF WALL/FLOOR IS NOT FIRE RATED E.C. MAY UTILIZED EMT CONDUIT SLEEVES OF EQUAL SIZE. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATINGS. (qty) = QUANTITY OF SLEEVES AT LOCATION EP2 = 2" HILTI SPEED SLEEVE CP-653-BA EP4 = 4" HILTI SPEED SLEEVE CP-653-BA

SPECIAL SYSTEMS NOTES:

1. UTILIZE 4 11/16" DEEP BOX WITH REQUIRED MUDRING AND CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING OR DATA RACK, TERMINATE WITH INSULATED THROAT BUSHING. PROVIDE QTY OF CABLES INDICATED FROM OUTLET TO NEAREST TELE/DATA ROOM. SEE DWGS FOR ADDITIONAL INFORMATION. UTILIZE J-HOOKS 3FT ON CENTER FOR SUPPORT OF CABLING WHERE CABLE TRAY IS NOT INSTALLED/SPECIFIED.
2. CONDUIT SIZE ('X' FROM ABOVE); 2=1/2", 3=3/4", 4=1", 5=1-1/4", 6=1-1/2"
3. BLANK (NO LABEL) = 4-11/16" DEEP BOX WITH REQUIRED MUDRING AND 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING/CABLE TRAY, TERMINATE WITH INSULATED THROAT BUSHING, PROVIDE PULL STRING. (UNLESS OTHERWISE NOTED)

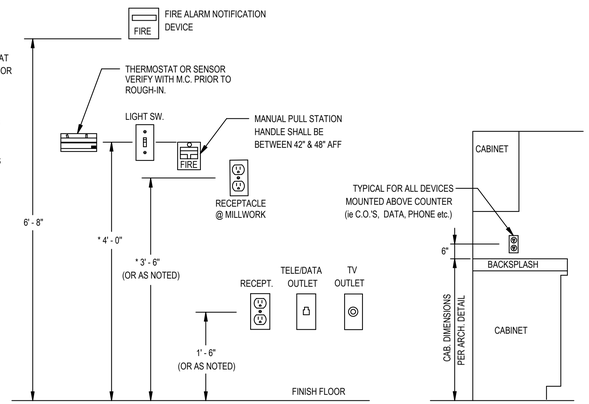
GENERAL SPECIAL SYSTEM NOTES:

A. COMMUNICATIONS CABLES SHALL HAVE BENDS NO GREATER THAN 90 DEG.
B. CONDUITS FOR COMMUNICATIONS CABLING SHALL HAVE A MAXIMUM BEND RADIUS NOT MORE THAN 10X THE DIAMETER OF THE CONDUIT.
C. ALL COMMUNICATIONS CONDUITS SHALL BE TERMINATED WITH AN INSULATED NON-METALLIC BUSHING AT BOTH ENDS.
D. COMMUNICATIONS CONDUITS SHALL HAVE NO MORE THAN (2) 90'S WITHOUT A PULLBOX. PULL BOXES SHALL BE LOCATED IN ACCESSIBLE LOCATIONS AND SHALL BE SIZED AT LEASED 12X THE LARGEST CONDUIT DIAMETER IN LENGTH AND MIN. 4" DEEP AND 8" WIDE.
E. IT SHALL BE THE RESPONSIBILITY OF THE E.C. TO INSURE THAT THE PATHWAY FOR THE DATA CABLING DOES NOT CREATE CABLE LENGTHS TO EXCEEDS THE LENGTH OF 295FT FROM OUTLET TO PATCH PANEL, THIS INCLUDES SERVICE LOOPS AND PATCH CORDS.
F. WHERE CABLE TRAY IS UTILIZED IN THE PROJECT. COMMUNICATION CONDUITS ENDING AT THE CABLE TRAY SHALL EXTEND 1" OVER THE SIDE INTO THE TRAY.

TYPICAL DEVICE MOUNTING HEIGHTS:

GENERAL DETAIL NOTES:

A. ALL MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE
B. E.C. SHALL COORDINATE ALL DEVICES HEIGHTS WITH ARCHITECTS ELEVATION/MILLWORK DWGS. TO INSURE THAT OUTLETS WILL NOT FALL BEHIND CABINETS, BACKSPLASH OR INTERFERE WITH WAINSCOTING, ETC. AND REPORT ANY CONFLICTS TO ARCHITECT "PRIOR TO ROUGH-IN"
C. ALL SWITCHES SHALL BE MOUNTED AS CLOSE TO DOOR JAMS AS POSSIBLE, COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECTURAL PLANS AND DETAILS
D. COORDINATE LIGHT SWITCH AND OUTLET HEIGHTS WITH ARCHITECTURAL WAINSCOTING AND/OR TILE WORK SO AS NOT TO FALL MIDWAY IN THESE FINISHES.



FIRE ALARM SYMBOL SCHEDULE

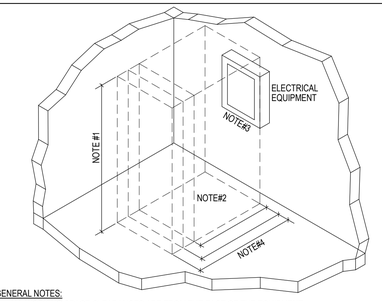
NOTE: ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL (WALL MOUNTED, TOP AT 6'-0" AFF)
NAC	NOTIFICATION DEVICE EXTENDER PANEL. PROVIDE QTY AS REQUIRED BASED ON DEVICE VOLTAGE DROP CALC'S PER NFPA 72 REQUIREMENTS. (WALL MOUNTED, TOP AT 5'-0" AFF)
RA	REMOTE ANNUCIATOR PANEL (FLUSH MOUNTED IN WALL AT 5'-0" AFF)
F	MANUAL PULL STATION (MOUNTING HEIGHT PER ADA & NFPA 72)
H	MAGNETIC DOOR HOLD OPEN
CM	ADDRESSABLE CONTROL/RELAY MODULE
MM	ADDRESSABLE MONITORING MODULE
FS	FIRE ALARM FLOW SWITCH
TS	FIRE ALARM TAMPER SWITCH
SD	FIRE ALARM SMOKE DAMPER
#	ADDRESSABLE DETECTOR WITH BASE
	DETECTOR SUBSCRIPTS P PHOTOELECTRIC SMOKE DETECTOR — D DUCT SMOKE DETECTOR ID IN-DUCT SMOKE DETECTOR — H HEAT DETECTOR M MULTI-STATION SMOKE DETECTOR (120V W/BATTERY BACKUP) M/S MULTI-STATION SMOKE DETECTOR W/VISIBLE STROBE (120V W/BATTERY BACKUP) M/C MULTI-STATION SMOKE / CARBON MONOXIDE DETECTOR (120V W/BATTERY BACKUP)
SD	FIRE/SMOKE DAMPER; COORDINATE LOCATIONS WITH MECH. DRAWINGS
	EXTERIOR 120V FIRE BELL, INSTALL NEXT TO FDC.
	WALL OR CEILING MOUNTED FIRE ALARM HORN ONLY
	WALL MOUNTED FIRE ALARM STROBE OR HORN/STROBE PROVIDE CANDELA RATING AS REQUIRED BY NFPA 72
	CEILING MOUNTED FIRE ALARM STROBE OR HORN/STROBE PROVIDE CANDELA RATING AS REQUIRED BY NFPA 72

GENERAL FIRE ALARM SYSTEM NOTES

A. DO NOT INSTALL MORE THAN (10) NOTIFICATION APPLIANCES ON ANY SINGLE CLASS "A" SIGNAL CIRCUIT. DO NOT EXCEED 400 FT. OF NO. 14 WIRE IN THE TOTAL LOOP.
B. NFPA ALLOWS NOTIFICATION APPLIANCES TO BE MOUNTED AT A HEIGHT RANGE BETWEEN 80" TO 96" ABOVE FINISH FLOOR. THE PREFERRED HEIGHT IS 80". IF THIS CONFLICTS WITH OTHER TRADES OR ROOM FURNISHINGS, LOCATE AS CLOSE TO 80" AS POSSIBLE, NOT EXCEEDING 96". ALL NOTIFICATION APPLIANCES IN A COMMON ROOM OR LINE OF SIGHT SHALL BE LOCATED AT A COMMON HEIGHT.
C. MOUNT PULL STATIONS AT 46-48" A.F.F. TO THE OPERATING HANDLE TO MEET ADA REQUIREMENTS.
D. DO NOT CONNECT THE FIRE ALARM SYSTEM TO ANY DEVICE WHICH HAS A POWER HELD CONTACTS (FLOW, TAMPER, HOOD SYSTEM, DUCT DETECTOR, ETC. FALSE ALARM WILL OCCUR.
E. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL CONDUCTOR QUANTITIES PER FIRE ALARM SYSTEM SUPPLIER, AND AS PER NFPA AND NEC REQUIREMENTS.
F. DO NOT INSTALL ANY SMOKE OR HEAT DETECTORS WITHIN 3 FEET OF ANY AIR DIFFUSER.
G. DO NOT EXCEED 2500 FEET ON ANY ADDRESSABLE DEVICE RUN. DO NOT EXCEED 120 DEVICES ON ANY ONE ADDRESSABLE DEVICE RUN.
H. ALL AIR HANDLING EQUIPMENT 2000 CFM OR MORE MUST BE SHUT DOWN UPON FIRE ALARM AS PER LIFE SAFETY CODES.
I. ALL CLASS "B" INITIATING CIRCUITS WITH ADDRESSABLE DEVICES NEED EOLR. (END OF LINE RESISTORS).
J. IN CORRIDORS, NOTIFICATION APPLIANCES MUST BE LOCATED WITHIN 15' FROM ENDS OF CORRIDORS AND A MAXIMUM OF 100' SPACING.
K. NOTIFICATION APPLIANCES TO BE SYNCHRONIZED TO PROVIDE A 3-3-3 TEMPORAL PATTERN.
L. ALL WIRING AND CONDUIT ROUTING TO BE AS DESCRIBED ON SUPPLIED SHOP DRAWINGS. FIRE ALARM PLAN IS SHOWN FOR GENERAL LOCATION AND LAYOUT ONLY.
M. THE FIRE ALARM SYSTEM TO BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND ADA REQUIREMENTS.
N. ELECT. CONTR. TO CONNECT SPRINKLER SYSTEM TAMPER SWITCHES AND FLOW VALVES TO FIRE ALARM SYSTEM AS REQUIRED. SEE FIRE SPRINKLER SYSTEM DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES.

ELECTRICAL EQUIP. CLEARANCE



GENERAL NOTES:

A. ALL WORKING SPACE CLEARANCES ARE FROM THE FACE OF THE EQUIPMENT.

NOTES:

1. THE MINIMUM HEADROOM OF WORKING SPACE SHALL BE 6 1/2FT.
2. THE WIDTH OF THE WORKING SPACE SHALL BE THE WIDTH OF THE EQUIPMENT OR 30", WHICHEVER IS GREATER. THE PANEL DOOR SHALL OPEN AT LEAST 90 DEGREES.
3. ALL CIRCUIT BREAKERS, WHEN IN THIER HIGHEST POSITION, SHALL NOT BE MORE THAN 6FT 7 IN. ABOVE THE FINISHED FLOOR.
4. 3FT CLEARANCE IF 0-150V TO GROUND, 3.5FT CLEARANCE IF 151-600V TO GROUND. 4FT IF EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

ABBREVIATIONS

P	SINGLE POLE
1PH	SINGLE-PHASE
2/C	TWO-CONDUCTOR
3/C	THREE-CONDUCTOR
3P	THREE POLE
3PH	THREE-PHASE
3W	THREE-WIRE
4W	FOUR-WIRE
AC	ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
A or	AMPERE
AMP	ANNUNCIATOR
ANN	ACCESS POINT
AP	(WIRELESS DATA)
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BFG	BELOW FINISHED GRADE
C	CEILING MOUNTED
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
C	CONDUIT
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
CU	COPPER
DS	DISCONNECT SWITCH
EA	EACH
E.C.	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EX	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
GND	GROUND
G.C.	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
J-BOX	JUNCTION BOX
V	KILOVOLT
KVA	KILOVOLT AMPERE
kW	KILOWATT
kWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
M.C.	MECH. CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVERCURRENT PROTECTION SIZE
OL	OVERLOAD
PB	PUSHBUTTON
P	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
QTY	QUANTITY
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR BY ARCHITECT
SF	SQUARE FOOT (FEET)
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TWISTED PAIR
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
V.I.F.	VERIFY IN FIELD
VFD	VARIABLE FREQUENCY DRIVE
WAP	WIRELESS ACCESS POINT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

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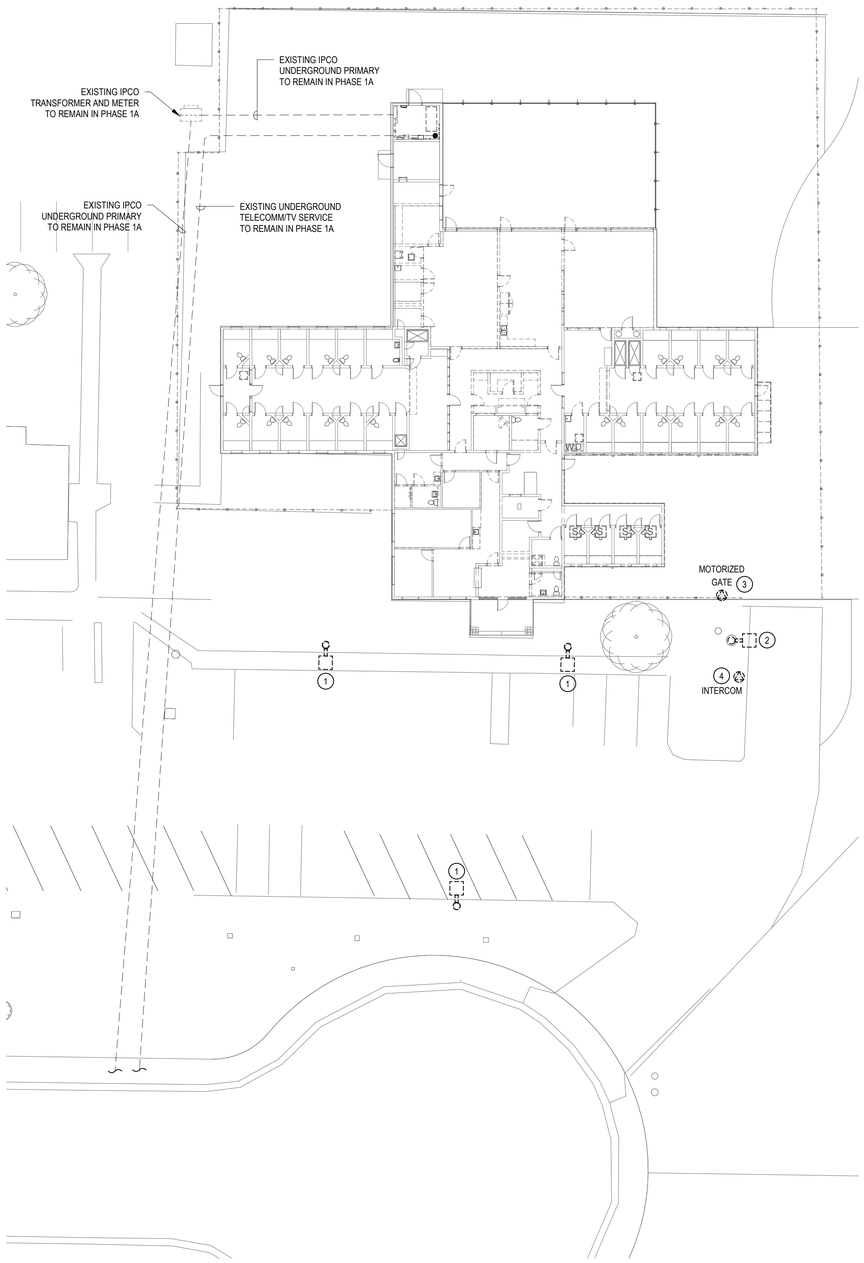
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
ELECTRICAL SYMBOLS & DETAILS

DATE

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

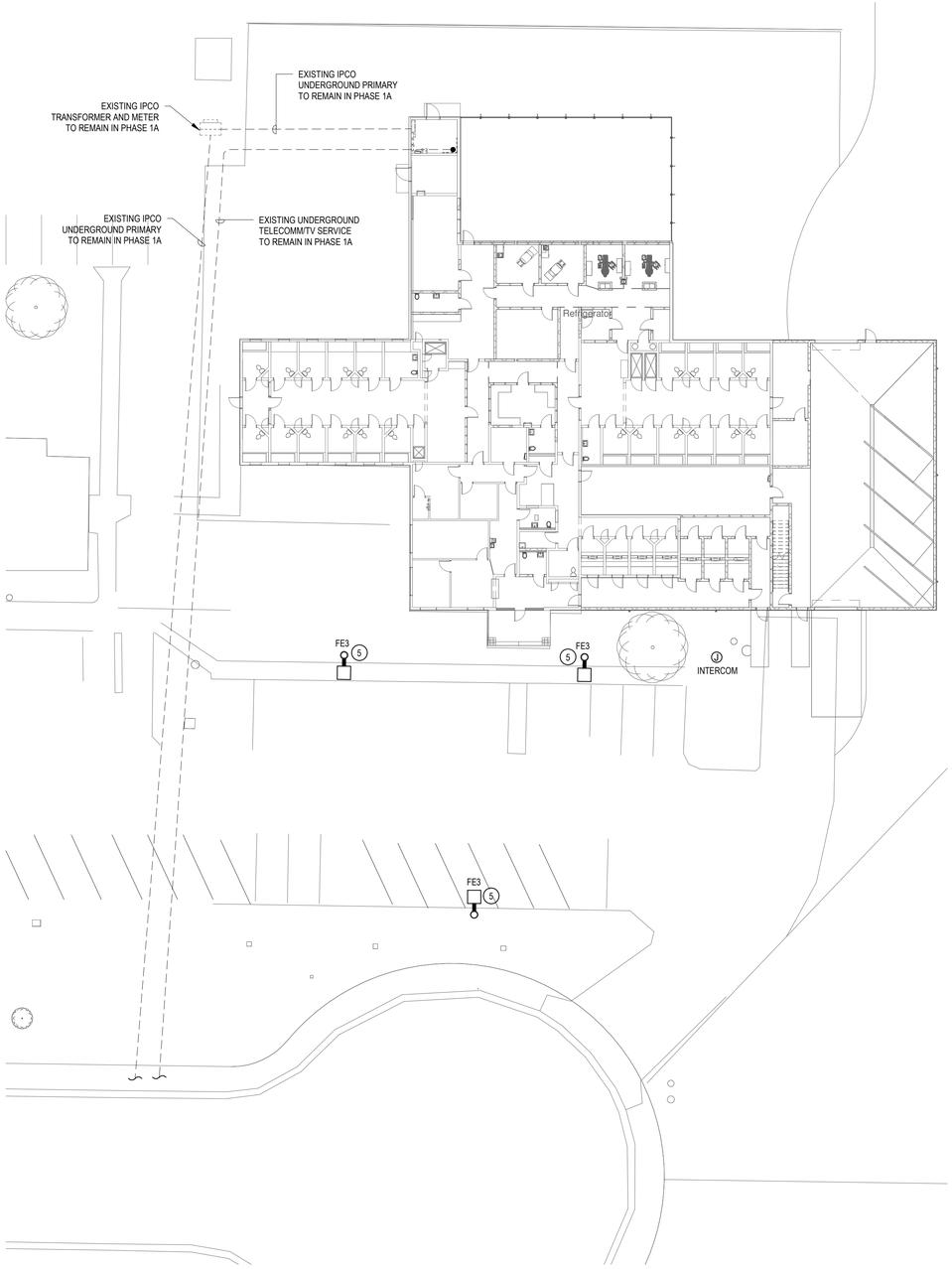
DATE: 7.12.24
SAM Drawn — TEP Checked
#23029 PROJECT #

E1A-0.0



1 EXISTING - ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

0' 20' 40'
NORTH



2 NEW - ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

0' 20' 40'
NORTH

GENERAL NOTES:

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

(#) KEY NOTES:

1 E.C. SHALL DISCONNECT AND REMOVE EXISTING POLE LIGHT HEAD AND REPLACE WITH NEW AS INDICATED ON NEW DRAWING. FIELD VERIFY NEW HEAD IS COMPATIBLE WITH EXISTING POLE PRIOR TO ORDERING.

2 EXISTING POLE LIGHT AND BASE TO BE DISCONNECTED AND REMOVED IN IT'S ENTIRETY, EXISTING LIGHTING CIRCUIT SHALL BE MAINTAINED FOR CONNECTION TO NEW LIGHTING AS INDICATED ON NEW DRAWINGS. INSTALL IN-GRADE J-BOXES AS REQUIRED FOR SPLICING AND EXTENDING EXISTING CIRCUIT TO NEW POLE LIGHT LOCATIONS.

3 EXISTING MOTORIZED GATE TO BE DISCONNECTED AND REMOVED IN IT'S ENTIRETY. E.C SHALL MAINTAIN EXISTING UNDERGROUND CONDUITS FOR FUTURE USE AND STUB INTO NEW IN-GRADE, FIBERGLASS J-BOX WITH LID LABELED "ELECTRICAL". INSTALL LID FLUSH WITH FINISH. LOCATE BOX IN LANDSCAPE AREA THAT IS NOT IN CONFLICT WITH NEW CONSTRUCTION. COORDINATE WITH OWNER.

4 EXISTING SECURITY INTERCOM PEDESTAL TO BE DISCONNECTED AND REMOVED IN IT'S ENTIRETY. E.C SHALL MAINTAIN EXISTING UNDERGROUND CONDUITS FOR FUTURE USE AND STUB INTO NEW IN-GRADE, FIBERGLASS J-BOX WITH LID LABELED "ELECTRICAL". INSTALL LID FLUSH WITH FINISHED GRADE AND PROVIDE CRUSHED GRAVEL IN BOTTOM FOR DRAINAGE.

5 INSTALL NEW HEAD ON EXISTING POLE; CONNECT TO EXISTING CIRCUIT AND CONTROLS. FIELD VERIFY COMPATIBILITY OF HEAD AND EXISTING POLE PRIOR TO ORDERING FIXTURE.

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

PAYNE Engineering Inc. Consulting Engineers
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Pocatello, Idaho 83201
tel (208) 232-4439
www.payneengineeringinc.com

DATE

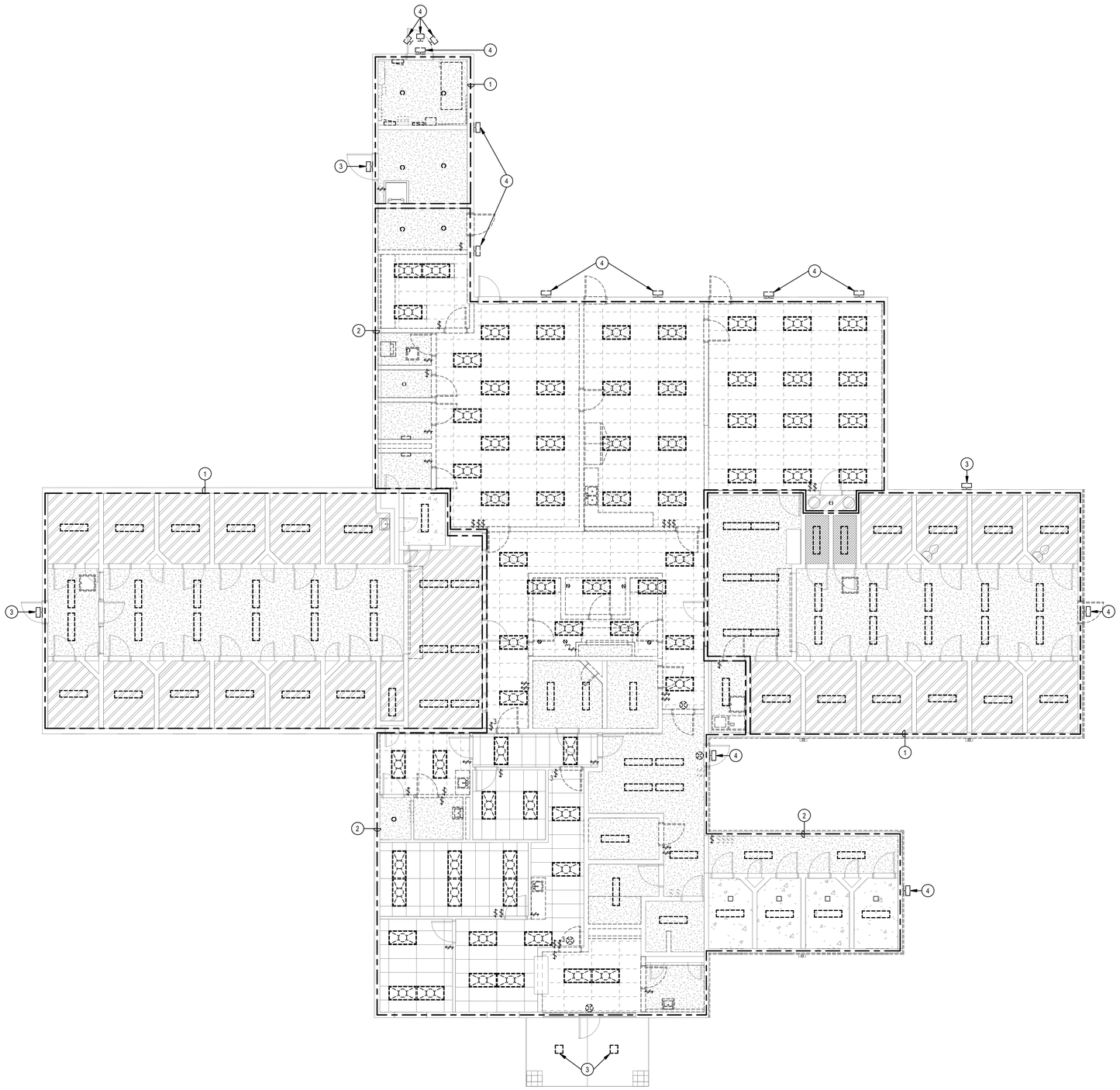
PHASE 1 PART A FOR:

TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
ELECTRICAL SITE PLAN

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

DATE: 7.12.24
SAM Drawn
TEP Checked
#23029 PROJECT #

E1A-0.1



1 EXISTING LIGHTING PLAN
SCALE: 1/8" = 1'-0"

0" 8' 16'

NORTH

GENERAL NOTES:

A. ALL EXISTING ELECTRICAL MAY NOT APPEAR ON THESE PLANS, HOWEVER THE ABOVE INFORMATION APPLIES.
B. PROVIDE AND INSTALL BLANK COVERS ON ALL UNUSED SWITCH/OUTLET/J-BOXES WHERE REQUIRED.
C. 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.
D. 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.
E. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION, DETAILS, ETC.
F. REMOVE OR RELOCATE ELECTRICAL AS NECESSARY FOR NEW WORK.
G. WHERE EXISTING CIRCUITS ARE TO BE RE-USED, EXTEND AS NECESSARY. MAINTAIN ELECTRICAL CONTINUITY TO DOWNSTREAM EQUIPMENT TO REMAIN.
H. EXISTING SHOWN TO REMAIN, MAY NEED TO BE REMOVED AND RE-INSTALLED ONLY AS NECESSARY FOR EXTENDING OR MODIFICATION OF EXISTING CIRCUITS OR WIRING.
I. REFER TO MECHANICAL PLANS FOR EXTENT OF MECHANICAL EQUIPMENT TO BE REMOVED OR RELOCATED.
J. REMOVE ALL UNUSED EQUIPMENT WIRING, CONDUIT AND BOXES IN ALL AREAS. ABANDON ONLY IN CONCEALED AREAS.
K. CONTRACTOR MY UTILIZE ANY EXISTING CONDUIT WHERE COMPATIBLE WITH NEW DESIGN, AND IF IN GOOD CONDITION AND COMPLIES WITH SPECIFICATIONS.
L. 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.
M. REMOVE ALL EQUIPMENT, RACEWAYS, CABLES,ETC. NOT USED IN FINISHED AREAS.

(#) KEY NOTES:

1 EXISTING LIGHTING FIXTURES IN THIS AREA SHALL BE DISCONNECTED/REMOVED AND REPLACED WITH NEW. EXISTING CIRCUIT/CONTROLS SHALL BE MAINTAINED FOR CONNECTION TO NEW LIGHT FIXTURE. E.C. SHALL REMOVE AN EXISTING FIXTURE AND FIELD INVESTIGATE EXISTING ELECTRICAL ROUGH-IN CONDITIONS AND VERIFY NEW FIXTURE IS COMPATIBLE PRIOR TO ORDERING ANY NEW FIXTURES.

2 EXISTING LIGHTING FIXTURES AND CONTROLS IN THIS ARE SHALL BE DISCONNECTED/REMOVED AND REPLACED WITH NEW AS INDICATED ON NEW LIGHTING PLAN. LOCATE AND MAINTAIN EXISTING LIGHTING CIRCUIT(S) IN AREA FOR USE FOR NEW LIGHTING.

3 EXISTING EXTERIOR LIGHTING FIXTURE SHALL BE DISCONNECTED/REMOVED AND REPLACED WITH NEW. EXISTING CIRCUIT/CONTROLS SHALL BE MAINTAINED FOR CONNECTION TO NEW LIGHT FIXTURE. E.C. SHALL REMOVE AN EXISTING FIXTURE AND FIELD INVESTIGATE EXISTING ELECTRICAL ROUGH-IN CONDITIONS AND VERIFY NEW FIXTURE IS COMPATIBLE PRIOR TO ORDERING ANY NEW FIXTURES.

4 EXISTING EXTERIOR LIGHTING FIXTURE SHALL BE DISCONNECTED/REMOVED TO ACCOMMODATE NEW CONSTRUCTION. E.C. SHALL RE-ESTABLISH/MAINTAIN CONTINUITY TO ALL DOWNSTREAM LIGHTING THAT IS TO REMAIN.

DATE

PHASE 1 PART A FOR:

TWIN FALLS COUNTY - WRIGHT AVE JAIL

2515 Wright Ave, Twin Falls, ID 83301

EXISTING LIGHTING PLAN

Laughlin Ricks Architecture
architecture/planning
134 3RD AVE. E. * Twin Falls, Idaho 83301
PHONE: (208) 736-6050

DATE: 7.12.24

SAM Drawn | TEP Checked

#23029 PROJECT #

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

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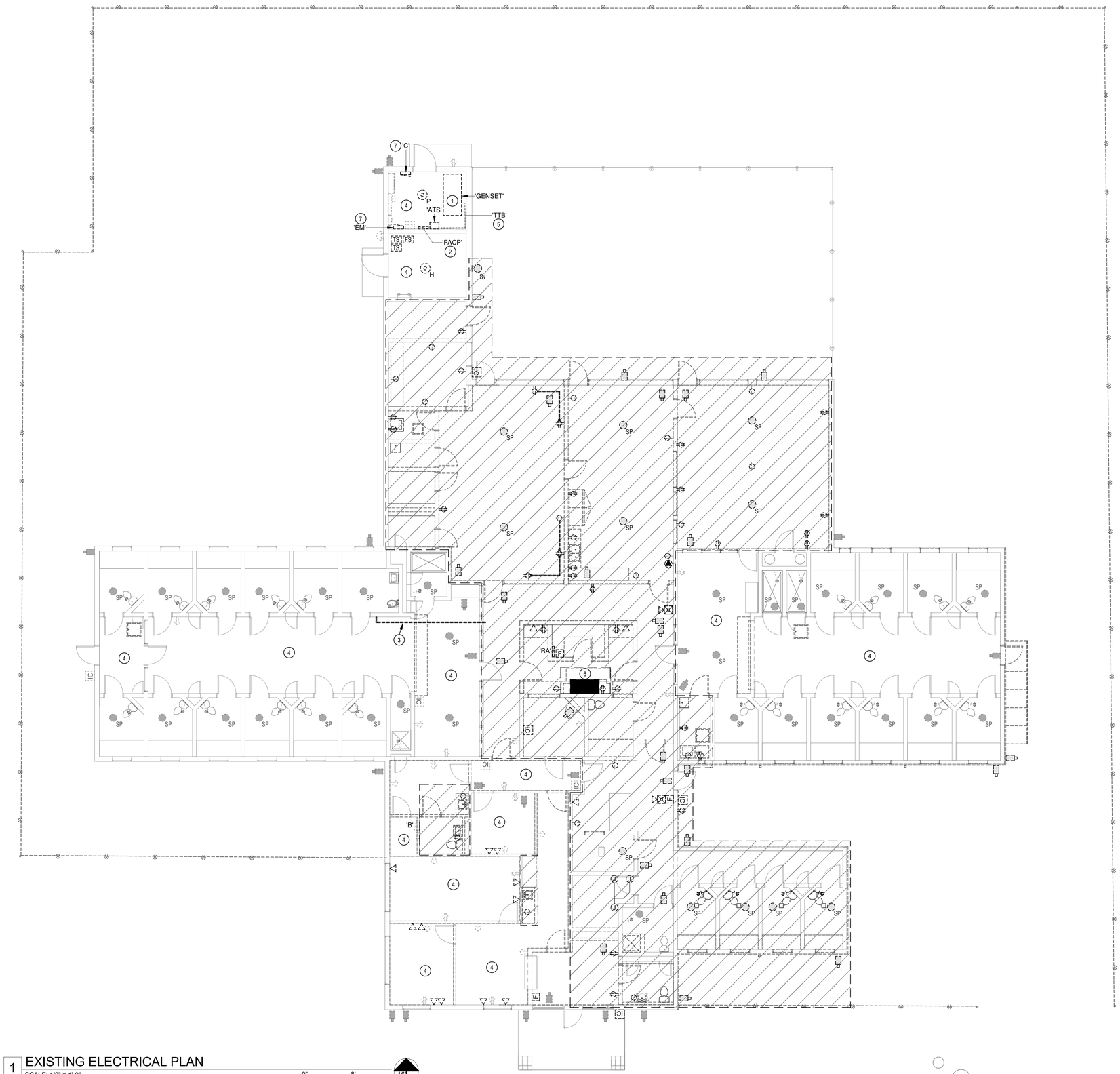

1 EXISTING ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

0" 8' 16'
NORTH

GENERAL NOTES:

A. ALL EXISTING ELECTRICAL MAY NOT APPEAR ON THESE PLANS, HOWEVER THE ABOVE INFORMATION APPLIES.
B. PROVIDE AND INSTALL BLANK COVERS ON ALL UNUSED SWITCH/OUTLET/J-BOXES WHERE REQUIRED.
C. 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.
D. 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.
E. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION, DETAILS, ETC.
F. REMOVE OR RELOCATE ELECTRICAL AS NECESSARY FOR NEW WORK.
G. WHERE EXISTING CIRCUITS ARE TO BE RE-USED, EXTEND AS NECESSARY. MAINTAIN ELECTRICAL CONTINUITY TO DOWNSTREAM EQUIPMENT TO REMAIN.
H. EXISTING SHOWN TO REMAIN, MAY NEED TO BE REMOVED AND RE-INSTALLED ONLY AS NECESSARY FOR EXTENDING OR MODIFICATION OF EXISTING CIRCUITS OR WIRING.
I. REFER TO MECHANICAL PLANS FOR EXTENT OF MECHANICAL EQUIPMENT TO BE REMOVED OR RELOCATED.
J. REMOVE ALL UNUSED EQUIPMENT WIRING, CONDUIT AND BOXES IN ALL AREAS. ABANDON ONLY IN CONCEALED AREAS.
K. CONTRACTOR MY UTILIZE ANY EXISTING CONDUIT WHERE COMPATIBLE WITH NEW DESIGN, AND IF IN GOOD CONDITION AND COMPLIES WITH SPECIFICATIONS.
L. 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.
M. REMOVE ALL EQUIPMENT, RACEWAYS, CABLES,ETC. NOT USED IN FINISHED AREAS.

SPECIAL DEMOLITION NOTES:

A. THE FOLLOWING SYSTEMS SHALL BE REMOVED IN THEIR ENTIRETY THROUGHOUT THE BUILDING AND REPLACED WITH NEW AS INDICATED IN DRAWINGS.
ALL ASSOCIATED CABLING, CONDUIT, BOXES, DEVICES, HEAD-END EQUIPMENT ETC. SHALL BE REMOVED.

- FIRE ALARM SYSTEM
- TELEPHONE/DATA CABLING SYSTEM
- SECURITY SYSTEMS (CCTV, INTERCOM, ACCESS CONTROL)

(#) KEY NOTES:

1 E.C. SHALL DISCONNECT AND REMOVED EXISTING EMERGENCY GENERATOR, TRANSFER SWITCH AND ALL ASSOCIATED CONDUIT ETC. IN IT'S ENTIRETY.
2 EXISTING FIRE ALARM SYSTEM SHALL BE DISCONNECTED AND REMOVED IN IT ENTIRETY AND REPLACED WITH NEW SYSTEM BASE ON I-3 OCCUPANCY PER THE LATEST IFC AND NFPA 72 REQUIREMENTS.
3 EXISTING SURFACE MOUNTED RACEWAY WITH LOW VOLTAGE CABLING TO BE DISCONNECTED AND REMOVED. E.C SHALL FIELD VERIFY IF CABLING SUPPORTS EQUIPMENT THAT IS TO REMAIN, IF SO CONTRACTOR SHALL RE-ESTABLISH CONTINUITY TO EQUIPMENT BY INSTALLING NEW RACEWAY/CABLING CONCEALED IN CEILING SPACE.
4 ALL EXISTING ELECTRICAL DEVICES, ETC IN THIS ARE SHALL REMAIN ACTIVE, LOCATE AND PROTECT DURING CONSTRUCTION, UNLESS NOTED OTHERWISE OR AS INDICATED IN "SPECIAL DEMOLITION NOTES".
5 EXISTING BUILDING TELEPHONE/DATA CABLING SYSTEM SHALL BE DISCONNECTED AND REMOVED IN IT ENTIRETY INCLUDING BUT NOT LIMITED TO; HEAD-END EQUIPMENT, RACKS, PATCH PANELS, HORIZONTAL CABLING, ETC. AND REPLACED WITH NEW SYSTEM AS INDICATED IN DRAWINGS AND SPECIFICATIONS.
6 EXISTING JAIL CONTROLS/AUTOMATION HEAD-END EQUIPMENT TO BE DISCONNECTED/REMOVED IN IT'S ENTIRETY AND REPLACED WITH A NEW SYSTEM AND EQUIPMENT, SEE SPECIAL SYSTEMS PLAN FOR ADDITIONAL INFORMATION.
7 EXISTING ELECTRICAL PANEL TO BE DISCONNECTED/REMOVED AND REPLACED WITH NEW AS INDICATED, REFER RISER DIAGRAM AND PANEL SCHEDULES. E.C. SHALL DISCONNECT ALL EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN AND RECONNECT TO NEW PANEL. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANEL AS REQUIRED.

PROFESSIONAL ENGINEER
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13053
7.12.24
STATE OF IDAHO
SHAWN A. MEADOR

PROJECT #: 2496

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www.payneengineeringinc.com

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
EXISTING POWER/SYSTEMS PLAN

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

DATE: 7.12.24
SAM Drawn
TEP Checked
#23029 PROJECT #

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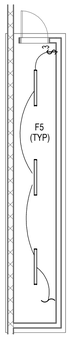

2 ROOF ACCESS - LIGHTING PLAN

SCALE: 1/8" = 1'-0"

1 LIGHTING PLAN

SCALE: 1/8" = 1'-0"

0" 8' 16'

NORTH

GENERAL NOTES:

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

(#) KEY NOTES:

1 E.C. SHALL MODIFY EXISTING CIRCUIT(S)/CONTROLS AS REQUIRED FOR CONNECTION TO NEW LIGHT FIXTURE, WHEN APPLICABLE CONNECT "NIGHT-LITE" TO EMERGENCY CIRCUIT AND FIXTURE TO "NORMAL" CIRCUIT. MAINTAIN EXISTING CONTROL FUNCTIONALITY VIA LIGHTING RELAY PANEL AND CONTROL CENTER.

2 CONNECT TO EXISTING "NORMAL" LIGHTING CIRCUIT IN AREA MADE AVAILABLE DURING DEMOLITION.

3 CONNECT TO EXISTING "EMERGENCY" LIGHTING CIRCUIT IN AREA MADE AVAILABLE DURING DEMOLITION.

4 CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT/CONTROLS.

5 CONNECT ALL OCCUPANCY SENSORS IN ROOM IN PARALLEL SO THAT ANY OCC. SENSOR WILL TURN ON ALL ROOM LIGHTING.

6 E.C. SHALL CONNECT NEW LIGHT FIXTURE TO EXISTING CIRCUIT/CONTROLS, PROVIDE NEW CONTROLS WHERE INDICATED.

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
LIGHTING PLAN

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

DATE: 7.12.24
SAM Drawn
TEP Checked
#23029 PROJECT #

E1A-1.0

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

PAYNE Engineering Inc.
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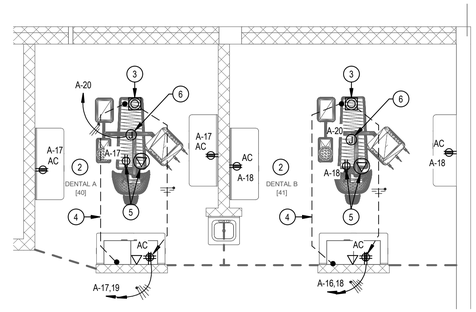
MECH. - ELECTRIC HEATER SCHEDULE

EQUIP. ID	VOLTS / PH.	WATTS	FLA	OCP	CIRCUIT	FEEDER	NOTES
EH-1	208 V / 1 PH.	2000 W	9.6 A	15 A	D - 21,23	1/2"C, 2#12, #12N, #12G	
EH-2	208 V / 3 PH.	4800 W	13.3 A	20 A	C - 25,27,29	1/2"C, 3#12, #12G	

MECH. - PLUMBING EQUIP. SCHEDULE

EQUIP. ID	VOLTS / PH.	WATTS	FLA	CIRCUIT	FEEDER	DISCONNECT	NOTES
WH-1	120 V / 1 PH.	200 W	1.7 A	C - 8	1/2"C, 1#12, #12N, #12G	CORD/PLUG	



2 ENLARGED DENTAL AREA POWER/DATA PLAN
SCALE: 1/4" = 1'-0"

1 POWER PLAN
SCALE: 1/8" = 1'-0"

0" 8' 16'
NORTH

GENERAL NOTES:

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

(#) KEY NOTES:

1 CONNECTION TO OVERHEAD DOOR MOTOR, COORDINATE CONNECTION WITH EQUIPMENT PRIOR TO ROUGH-IN. PROVIDE CONDUIT AND CONDUCTORS TO PUSH-BUTTON STATION PER MANUFACTURERS REQUIREMENTS.

2 ALL 120V CIRCUITS (EXCEPT LIGHTING) IN THIS ROOM SHALL BE PROVIDED WITH A REDUNDANT GROUND AS REQUIRED BY SECTION 517 OF THE NEC.

3 FLOORBOX FOR DENTAL CHAIR; COORDINATE EXACT STUB-UP LOCATION AND CONNECTION REQUIREMENTS WITH DENTAL EQUIPMENT INSTALLER PRIOR TO ROUGH-IN. E.C. SHALL SAWCUT AND PATCH EXISTING SLAB AS REQUIRED FOR INSTALLATION.

4 PROVIDE AND INSTALL (1) 2" CONDUIT W/ PULLSTRING BETWEEN DENTAL CHAIR AND UTILITY CENTER. COORDINATE EXACT LOCATION OF STUB-UPS WITH EQUIPMENT SUPPLIER/CONTRACTOR PRIOR TO ROUGH-IN. E.C. SHALL SAWCUT AND PATCH EXISTING SLAB AS REQUIRED FOR INSTALLATION.

5 PROVIDE AND INSTALL 120V RECEPTACLE AND LOW VOLTAGE OUTLET FLUSH IN CEILING FOR TV. INSTALL DATA CABLING AS INDICATED AND RG6 COAX CABLE. COORDINATE EXACT LOCATION & REQUIREMENTS WITH DENTAL EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

6 CONNECTION TO DENTAL CEILING LIGHT PROVIDED/INSTALLED BY DENTAL EQUIPMENT CONTRACTOR, COORDINATE CONNECTION AND ROUGH-IN REQUIREMENTS WITH INSTALLER PRIOR TO ROUGH-IN.

7 ALL EXISTING ELECTRICAL DEVICES, ETC IN THIS ARE SHALL REMAIN ACTIVE, LOCATE AND PROTECT DURING CONSTRUCTION, UNLESS NOTED OTHERWISE OR AS INDICATED IN "SPECIAL DEMOLITION NOTES".

8 CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA OR THAT WAS MADE AVAILABLE DURING DEMOLITION.

9 PROVIDE POWER CONNECTION AND DATA ROUGH-IN TO VIDEO INTERCOM SYSTEM; FIELD VERIFY HEIGHT AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

10 EXISTING EXHAUST FAN TO BE REPLACED WITH NEW BY M.C. E.C. PROVIDE NEW CIRCUIT AS INDICATED AND CONTROL WITH RESTROOM (RR 32) LIGHTING.

11 MOTORIZED DAMPER BY M.C. TO BE INTERLOCKED WITH OPERATION OF ANY DRYER BY E.C. COORDINATE INTERLOCKING REQUIREMENTS OF DAMPER AND GAS DRYERS WITH M.C.

12 E.C. SHALL PROVIDE AND INSTALL (3) CURRENT SENSOR RELAY'S (RIB FUNCTIONAL DEVICES OR EQUAL) ONE FOR EACH GAS DRYER AND INSTALL IN A NEMA 1 ENCLOSURE FOR INTERLOCKING WITH MOTORIZED DAMPER. ROUTE EACH DRYER CIRCUIT THROUGH CURRENT SENSOR, IF ANY DRYER IS IN OPERATION RELAY SHALL OPEN MOTORIZED DAMPER. PROVIDE ALL COMPONENTS FOR COMPLETE INSTALLATION.

13 PROVIDE LOCAL DISCONNECT FOR EQUIPMENT, FIELD LOCATE IN ACCESSIBLE LOCATION.

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
POWER PLAN

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

DATE: 7.12.24

SAM Drawn | TEP Checked

#23029 PROJECT #

E1A-2.0

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

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1823 E. Center
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MECH. - SPLIT SYSTEM A/C UNIT SCHEDULE

EQUIP. ID	VOLTS / PH.	MCA	MOCP	CIRCUIT	FEEDER	DISCONNECT	NOTES
INDOOR UNIT							
FC-1	208 V / 1 PH.	1 A	0 A		PER MFGR	0 A - N/A	4
OUTDOOR UNIT							
CU-1	208 V / 1 PH.	14 A	25 A	EA2 - 27,29	1/2"C.,2#10+1#10G	30 A - NONFUSED/3R	3,4

MECH. - EXHAUST FAN SCHEDULE

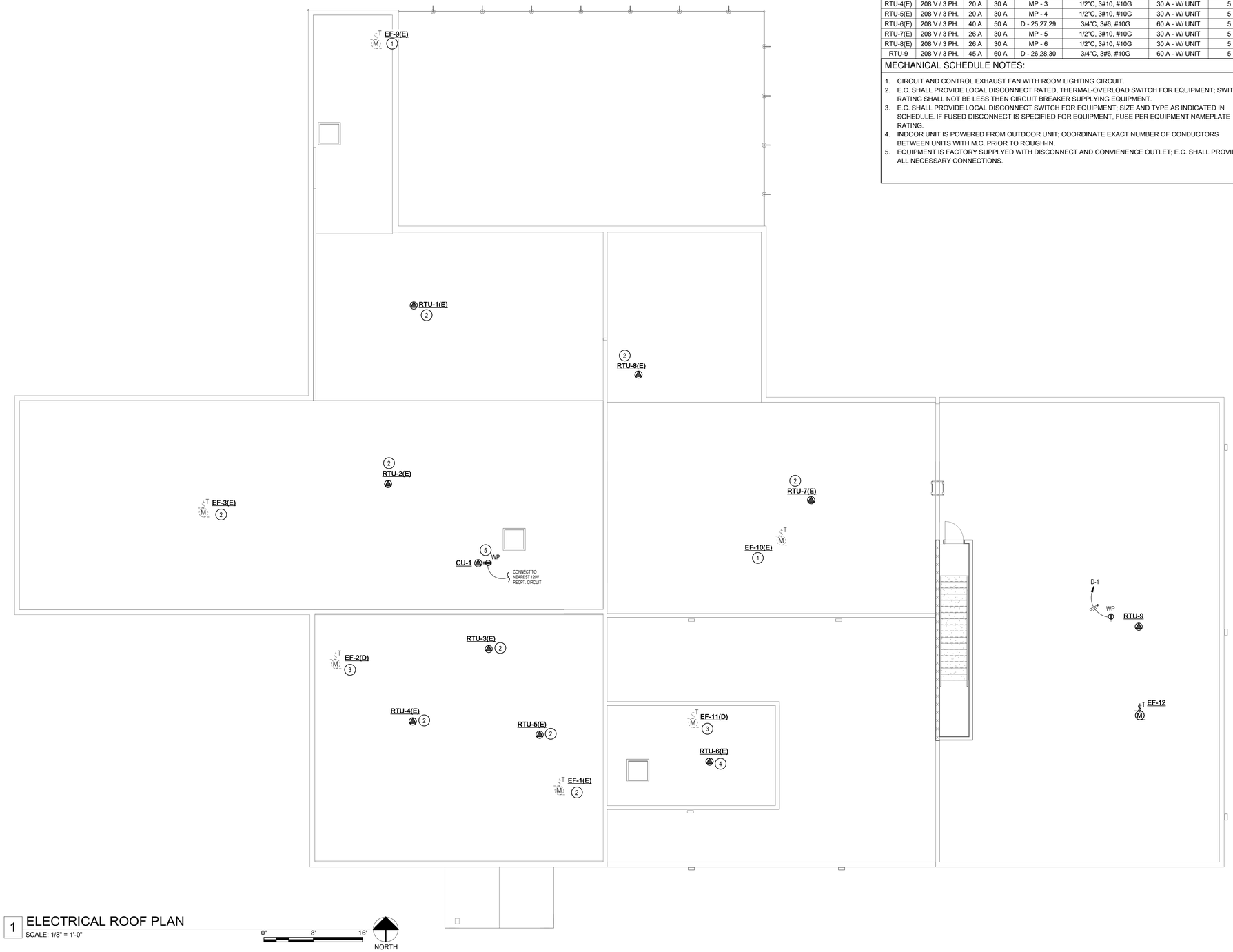
EQUIP. ID	VOLTS / PH.	HP	WATTS	FLA	CIRCUIT	FEEDER	CONTROL	NOTES
EF-1(E)	120 V / 1 PH.	1/4		6 A	B - 14	1/2"C, 1#12, #12N, #12G	24/7 CONTINUOUS	2
EF-3(E)	120 V / 1 PH.	1/2		10 A	B - 16	1/2"C, 1#12, #12N, #12G	24/7 CONTINUOUS	2
EF-4(E)	120 V / 1 PH.	N/A	100 W	1 A	B - 2	1/2"C, 1#12, #12N, #12G	W/LIGHTS	1
EF-9(E)	120 V / 1 PH.	1/2		10 A				2
EF-10(E)	120 V / 1 PH.	1/3		7 A			24/7 CONTINUOUS	2
EF-12	120 V / 1 PH.	3/4		14 A	D - 19	1/2"C, 1#12, #12N, #12G	CO SENSOR BY M.C.	2
EF-13	120 V / 1 PH.	1/4		6 A	D - 17	1/2"C, 1#12, #12N, #12G	24/7 CONTINUOUS	2

MECH. - ROOFTOP UNIT SCHEDULE

EQUIP. ID	VOLTS / PH.	MCA	MOCP	CIRCUIT	FEEDER	DISCONNECT	NOTES
RTU-1(E)	208 V / 3 PH.	20 A	30 A	EA - 11,13,15	1/2"C, 3#10, #10G	30 A - W/ UNIT	5
RTU-2(E)	208 V / 3 PH.	26 A	30 A	MP - 1	1/2"C, 3#10, #10G	30 A - W/ UNIT	5
RTU-3(E)	208 V / 1 PH.	26 A	30 A	MP - 2	1/2"C, 2#10, #10G	30 A - W/ UNIT	5
RTU-4(E)	208 V / 3 PH.	20 A	30 A	MP - 3	1/2"C, 3#10, #10G	30 A - W/ UNIT	5
RTU-5(E)	208 V / 3 PH.	20 A	30 A	MP - 4	1/2"C, 3#10, #10G	30 A - W/ UNIT	5
RTU-6(E)	208 V / 3 PH.	40 A	50 A	D - 25,27,29	3/4"C, 3#6, #10G	60 A - W/ UNIT	5
RTU-7(E)	208 V / 3 PH.	26 A	30 A	MP - 5	1/2"C, 3#10, #10G	30 A - W/ UNIT	5
RTU-8(E)	208 V / 3 PH.	26 A	30 A	MP - 6	1/2"C, 3#10, #10G	30 A - W/ UNIT	5
RTU-9	208 V / 3 PH.	45 A	60 A	D - 26,28,30	3/4"C, 3#6, #10G	60 A - W/ UNIT	5

MECHANICAL SCHEDULE NOTES:

1. CIRCUIT AND CONTROL EXHAUST FAN WITH ROOM LIGHTING CIRCUIT.
2. E.C. SHALL PROVIDE LOCAL DISCONNECT RATED, THERMAL-OVERLOAD SWITCH FOR EQUIPMENT; SWITCH RATING SHALL NOT BE LESS THEN CIRCUIT BREAKER SUPPLYING EQUIPMENT.
3. 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.
4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT; COORDINATE EXACT NUMBER OF CONDUCTORS BETWEEN UNITS WITH M.C. PRIOR TO ROUGH-IN.
5. EQUIPMENT IS FACTORY SUPPLYED WITH DISCONNECT AND CONVIENENCE OUTLET; E.C. SHALL PROVIDE ALL NECESSARY CONNECTIONS.



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

0" 8' 16'

NORTH

GENERAL NOTES:

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

(#) KEY NOTES:

1 EXISTING ROOFTOP HVAC EQUIPMENT TO REMAIN ACTIVE, LOCATE AND PROTECT.

2 EXISTING ROOFTOP HVAC EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW BY M.C. E.C. SHALL ELECTRICALLY DISCONNECT FOR REMOVAL AND RECONNECT NEW UNIT TO EXISTING CIRCUIT. E.C. SHALL FIELD VERIFY EXISTING BREAKER OR FUSE SIZE AND REPLACE AS NEEDED TO MATCH "MOCP" IN SCHEDULE.

3 EXISTING ROOFTOP HVAC EQUIPMENT TO BE DEMOLISHED BY M.C., E.C. SHALL DISCONNECT AND REMOVE ALL ASSOCIATED CONDUIT/CONDUCTORS AS REQUIRED FOR REMOVAL.

4 EXISTING ROOFTOP HVAC EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW LARGER UNIT BY M.C. E.C. SHALL ELECTRICALLY DISCONNECT FOR REMOVAL AND REMOVED ASSOCIATED CIRCUIT.. E.C. SHALL PROVIDE AND INSTALL NEW CIRCUIT AS INDICATED IN SCHEDULE.

5 RECEPTACLE MOUNTED TO HVAC UNIT, COORDINATE MOUNTING WITH M.C. PRIOR TO ROUGH-IN.

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

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DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
ELECTRICAL ROOF PLAN

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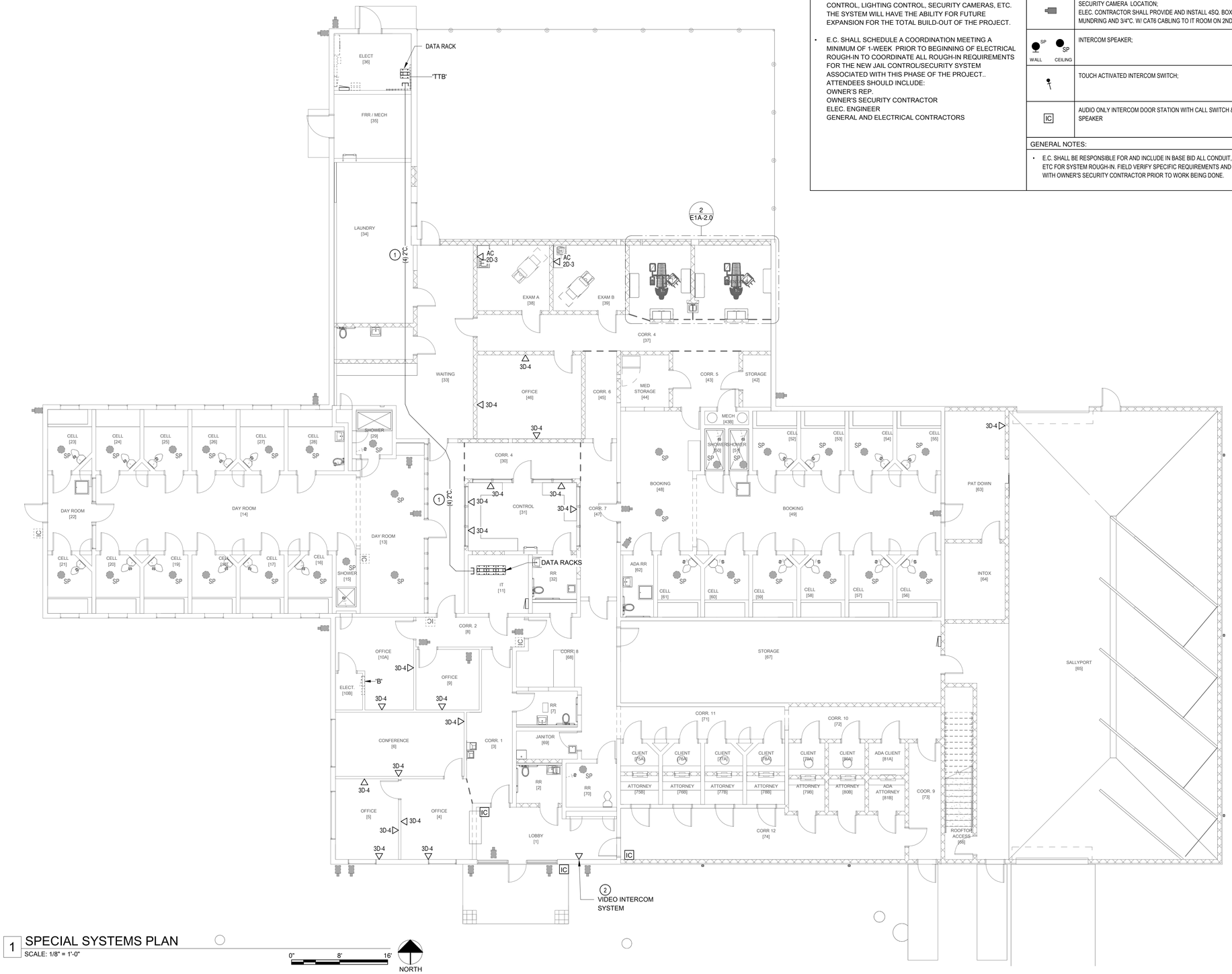
134 3RD AVE. E. * Twin Falls, Idaho 83301
PHONE: (208) 736-8050

DATE: 7.12.24

SAM Drawn | TEP Checked

#23029 PROJECT #

E1A-2.1



JAIL CONTROL & SECURITY SYSTEMS:

- THE BUILDING EXISTING JAIL CONTROL/SECURITY SYSTEM SHALL BE COMPLETELY REMOVED IN PREPREATION FOR A NEW SYSTEM THAT IS TO BE INCLUDED IN PHASE 1B OF THE PROJECT.
- THE NEW JAIL CONTROL/SECURITY SYSTEM DESIGN FOR THIS IS BUILDING WILL BE COMPLETED AS PART OF PHASE 1B CONSTRUCTION DOCUMENTS.
- THE NEW SYSTEM INCLUDES BUT IS NOT LIMITED TO; TOUCH SCREEN CONTROLS, PLC'S, INTERCOM, DOOR CONTROL, LIGHTING CONTROL, SECURITY CAMERAS, ETC. THE SYSTEM WILL HAVE THE ABILITY FOR FUTURE EXPANSION FOR THE TOTAL BUILD-OUT OF THE PROJECT.
- E.C. SHALL SCHEDULE A COORDINATION MEETING A MINIMUM OF 1-WEEK PRIOR TO BEGINNING OF ELECTRICAL ROUGH-IN TO COORDINATE ALL ROUGH-IN REQUIREMENTS FOR THE NEW JAIL CONTROL/SECURITY SYSTEM ASSOCIATED WITH THIS PHASE OF THE PROJECT.. ATTENDEES SHOULD INCLUDE:
  OWNER'S REP.
  OWNER'S SECURITY CONTRACTOR
  ELEC. ENGINEER
  GENERAL AND ELECTRICAL CONTRACTORS

JAIL CONTROL & SECURITY SYMBOL SCHEDULE

NOTE: ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
CR	CARD READER LOCATION; ELEC. CONTRACTOR SHALL PROVIDE AND INSTALL 4SQ. BOX W/1-GANG MUNDRING AND 3/4"C. W/ PULL STRING TO IT ROOM ON 2ND FLOOR.
©	CONNECTION TO DOOR FRAME FOR ACCESS CONTROL; ELEC. CONTRACTOR SHALL PROVIDE AND INSTALL (1) 3/4"C. W/ PULL STRING FROM DOOR FRAME TO IT ROOM ON 2ND FLOOR.
	SECURITY CAMERA LOCATION; ELEC. CONTRACTOR SHALL PROVIDE AND INSTALL 4SQ. BOX W/1-GANG MUNDRING AND 3/4"C. W/ CAT6 CABLING TO IT ROOM ON 2ND FLOOR.
SP WALL, SP CEILING	INTERCOM SPEAKER;
	TOUCH ACTIVATED INTERCOM SWITCH;
IC	AUDIO ONLY INTERCOM DOOR STATION WITH CALL SWITCH & 2-WAY SPEAKER

GENERAL NOTES:

- E.C. SHALL BE RESPONSIBLE FOR AND INCLUDE IN BASE BID ALL CONDUIT, BACKBOXES ETC FOR SYSTEM ROUGH-IN. FIELD VERIFY SPECIFIC REQUIREMENTS AND LOCATIONS WITH OWNER'S SECURITY CONTRACTOR PRIOR TO WORK BEING DONE.

GENERAL NOTES:

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

(#) KEY NOTES:

1 IN (1) 2"C., PROVIDE AND INSTALL 12-STRAND, SINGLE-MODE FIBER OPTIC BACKBONE CABLE IN INNER-DUCT FROM ELECT. ROOM TO NEW IT ROOM. PROVIDE ALL REQUIRED TERMINATIONS, LIU'S, PATCH PANELS AND ETC NEEDED TO EXTEND DATA CABLING SYSTEM.

2 PROVIDE POWER CONNECTION AND DATA ROUGH-IN TO VIDEO INTERCOM SYSTEM; FIELD VERIFY HEIGHT AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

1 SPECIAL SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

0" 8' 16'

NORTH

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
SPECIAL SYSTEMS PLAN

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

DATE: 7.12.24

SAM Drawn TEP Checked

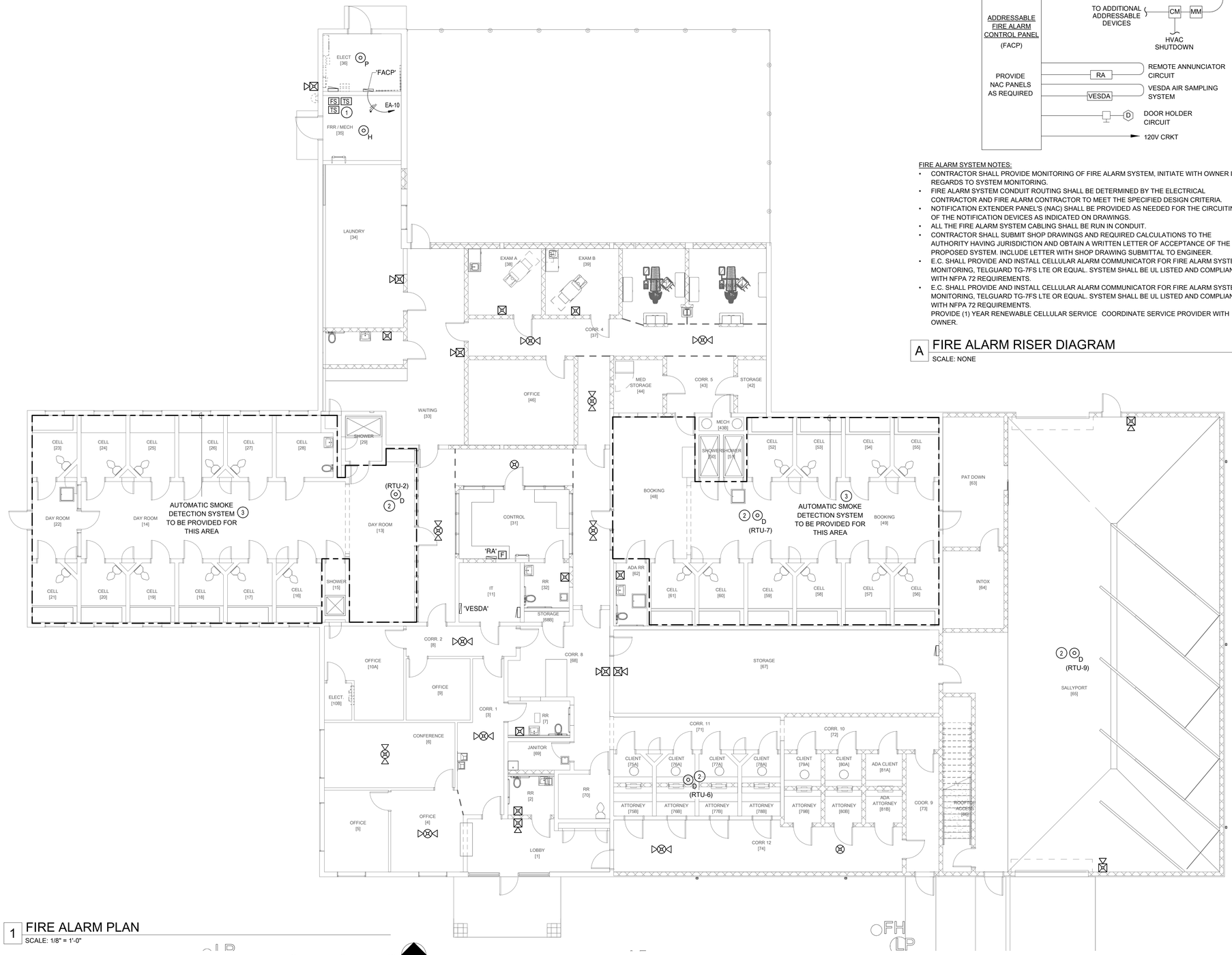
#23029 PROJECT #

E1A-3.0

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

PAYNE Engineering Inc. Consulting Engineers
1823 E. Center
Pocatello, Idaho 83201
tel (208) 232-4439
www.payneengineeringinc.com



1 FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

FIRE ALARM SYSTEM NOTES:

- CONTRACTOR SHALL PROVIDE MONITORING OF FIRE ALARM SYSTEM, INITIATE WITH OWNER IN REGARDS TO SYSTEM MONITORING.
- FIRE ALARM SYSTEM CONDUIT ROUTING SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR AND FIRE ALARM CONTRACTOR TO MEET THE SPECIFIED DESIGN CRITERIA.
- NOTIFICATION EXTENDER PANEL'S (NAC) SHALL BE PROVIDED AS NEEDED FOR THE CIRCUITING OF THE NOTIFICATION DEVICES AS INDICATED ON DRAWINGS.
- ALL THE FIRE ALARM SYSTEM CABLING SHALL BE RUN IN CONDUIT.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND REQUIRED CALCULATIONS TO THE AUTHORITY HAVING JURISDICTION AND OBTAIN A WRITTEN LETTER OF ACCEPTANCE OF THE PROPOSED SYSTEM. INCLUDE LETTER WITH SHOP DRAWING SUBMITTAL TO ENGINEER.
- E.C. SHALL PROVIDE AND INSTALL CELLULAR ALARM COMMUNICATOR FOR FIRE ALARM SYSTEM MONITORING, TELGUARD TG-7FS LTE OR EQUAL. SYSTEM SHALL BE UL LISTED AND COMPLIANT WITH NFPA 72 REQUIREMENTS.
- E.C. SHALL PROVIDE AND INSTALL CELLULAR ALARM COMMUNICATOR FOR FIRE ALARM SYSTEM MONITORING, TELGUARD TG-7FS LTE OR EQUAL. SYSTEM SHALL BE UL LISTED AND COMPLIANT WITH NFPA 72 REQUIREMENTS.
  PROVIDE (1) YEAR RENEWABLE CELLULAR SERVICE COORDINATE SERVICE PROVIDER WITH OWNER.

A FIRE ALARM RISER DIAGRAM
SCALE: NONE

GENERAL NOTES:

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

(#) KEY NOTES:

1 PROVIDE MONITORING OF FLOW, TAMPER AND PRESSURE SWITCHES; VERIFY EXACT NUMBER OF SWITCHES WITH EXISTING SYSTEM.

2 DUCT-SMOKE DETECTOR PROVIDED AND CONNECT BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR. DETECTOR SHALL BE CONNECTED TO FIRE ALARM SYSTEM AND SHALL SHUT-DOWN ASSOCIATED HVAC UNIT UPON ACTIVATION. ELECT. CONTRACTOR SHALL ALSO PROVIDE AND INSTALL REMOTE TEST SWITCH, INSTALL FLUSH IN CEILING NEAR LOCATION OF DUCT-SMOKE DETECTOR.

3 FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL AN AUTOMATIC SMOKE DETECTION SYSTEM AS REQUIRED BY SECTION 907.2.6.3.3 OF THE IFC FOR A GROUP I-3 OCCUPANCY. THE AUTOMATIC SMOKE DETECTION SYSTEM SHALL UTILIZE AN INTELLIGENT VESDA AIR SAMPLING SYSTEM, SEE SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE AN OPERABLE SYSTEM, INCLUDING ALL REQUIRED CORE-DRILLING AND ETC NEEDED TO INSTALL SYSTEM IN EXISTING BUILDING. ALL PIPING SHALL BE INSTALLED ABOVE CEILINGS, EXPOSED PIPING IS PROHIBITED. VESDA SYSTEM HEAD-END EQUIPMENT SHALL BE INSTALLED IT[11] AND MONITORED/CONTROLLED BY NEW FIRE ALARM SYSTEM.

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
FIRE ALARM SYSTEM PLAN

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

DATE: 7.12.24
SAM (Drawn) TEP (Checked)
#23029 PROJECT #

E1A-4.0

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

PAYNE Engineering Inc. Consulting Engineers
1823 E. Center
Pocatello, Idaho 83201
tel (208) 232-4439
www.payneengineeringinc.com

KEY NOTES:

1 E.C. SHALL DISCONNECT AND REMOVED EXISTING EMERGENCY GENERATOR, TRANSFER SWITCH AND ALL ASSOCIATED CONDUIT ETC. IN IT'S ENTIRETY.

2 EXISTING ELECTRICAL PANEL TO BE DISCONNECTED/REMOVED AND REPLACED WITH NEW AS INDICATED. REFER RISER DIAGRAM AND PANEL SCHEDULES. E.C. SHALL DISCONNECT ALL EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN AND RECONNECT TO NEW PANEL. EXTEND EXISTING BRANCH CIRCUITS TO NEW PANEL AS REQUIRED.

PANEL: MP

PAYNE ENGINEERING

LOCATION: | **VOLTAGE:** 120/208 Wye | **SCCR:** 0 | **PROJECT:** TWIN FALLS COUNTY - WRIGHT AVE JAIL
FED FROM: | **PHASES:** 3 | **TYPE:** FS 350A
MOUNTING: SURFACE | **WIRES:** 4 | **BUS AMPS:** 600
ENCLOSURE: NEMA 1 | **BUSSING:** SEE SPEC'S | **FEED:** BOTTOM
MFG/MODEL: EATON/PRL4F | **DIMENSIONS:** 40"W x 11.5"D x **"H

NOTES:
EXISTING FUSED PANEL TO REMAIN

CKT	CIRCUIT DESCRIPTION	# OF POLES	BUCKET AMPS	FUSE AMPS	LOAD	REMARKS
1	HVAC RTU-2(E)	3	30 A	30 A	7 kW	
2	HVAC RTU-3(E)	2	30 A	30 A	4 kW	
3	HVAC RTU-4(E)	3	30 A	30 A	6 kW	
4	HVAC RTU-5(E)	3	30 A	30 A	6 kW	
5	HVAC RTU-7(E)	3	30 A	30 A	7 kW	
6	HVAC RTU-8(E)	3	30 A	30 A	7 kW	
7	SPARE	3	60 A	60 A	0 kW	
8	SPARE	3	60 A	60 A	0 kW	
9	PANEL B	3	100 A	100 A	3 kW	
10	PANEL A	3	100 A	100 A	7 kW	
				TOTAL LOAD:	49 kW	
				TOTAL AMPS:	135 A	
			TOTAL ESTIMATED DEMAND AMPS:		136 A	

PANEL: C

PAYNE ENGINEERING

LOCATION: | **VOLTAGE:** 120/208 Wye | **SCCR:** 22,000 | **PROJECT:** TWIN FALLS COUNTY - WRIGHT AV...
FED FROM: | **PHASES:** 3 | **TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS AMPS:** 225
ENCLOSURE: NEMA 1 | **BUSSING:** SEE SPEC'S | **FEED:** TOP
MFG & MODEL: SQ. D/NQ SERIES | **DIMENSIONS:** 20"W x 5.8"D x **"H

NOTES:

CKT	CIRCUIT DESCRIPTION	NOTE	AMPS	P	A		B		C		P	AMPS	NOTE	CIRCUIT DESCRIPTION	CKT
1	(E) Rooftop Fan	--	20 A	1	0	1000					1	20 A	G	Gas Dryer	2
3	(E) Lights	--	20 A	1			0	1000			1	20 A	G	Gas Dryer	4
5	SPARE	--	20 A	1					0	1000	1	20 A	G	Gas Dryer	6
7	SPARE	--	20 A	1	0	200					1	20 A		Gas Water Htr	8
9	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	10
11	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	20
21	SPARE	--	20 A	1			0	0							22
23	SPARE	--	20 A	1					0	0	3	40 A	--	SPARE	24
25					1600	0									26
27	Elec. Heating		20 A	3			1600	--			1	--	--	PREPARED SPACE	28
29									1600	--	1	--	--	PREPARED SPACE	30
31					1333	--					1	--	--	PREPARED SPACE	32
33	Washer	G	20 A	3			1333	--			1	--	--	PREPARED SPACE	34
35									1333	--	1	--	--	PREPARED SPACE	36
37					1333	--					1	--	--	PREPARED SPACE	38
39	Washer	G	20 A	3			1333	--			1	--	--	PREPARED SPACE	40
41									1333	--	1	--	--	PREPARED SPACE	42
			TOTAL LOAD:		5.5 kVA		5.3 kVA		5.3 kVA						
			TOTAL AMPS:		46 A		44 A		44 A						
			TOTAL ESTIMATED DEMAND AMPS:		44 A										

BRK NOTES:
A = ARC-FAULT BREAKER | GP = GFEPD BREAKER | LCP = CRKT TO BE ROUTED THROUGH LTG CONTROL PANEL
S = SHUNT-TRIP BREAKER | G = GFCI BREAKER | N = NEW CIRCUIT BREAKER, SIZE/TYPE AS INDICATED

PANEL: D

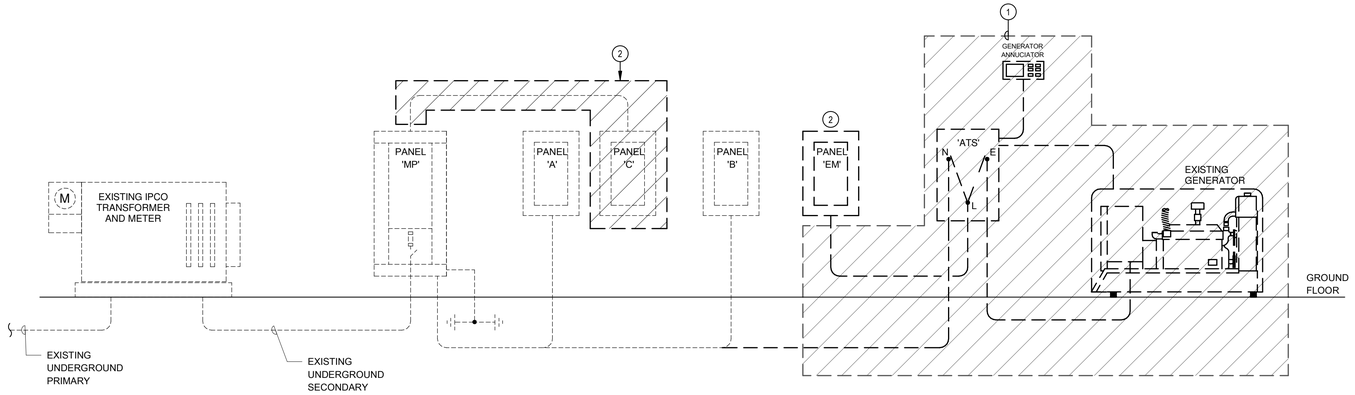
PAYNE ENGINEERING

LOCATION: | **VOLTAGE:** 120/208 Wye | **SCCR:** 10,000 | **PROJECT:** TWIN FALLS COUNTY - WRIGHT AV...
FED FROM: | **PHASES:** 3 | **TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS AMPS:** 225
ENCLOSURE: NEMA 1 | **BUSSING:** SEE SPEC'S | **FEED:** TOP
MFG & MODEL: SQ. D/NQ SERIES | **DIMENSIONS:** 20"W x 5.8"D x **"H

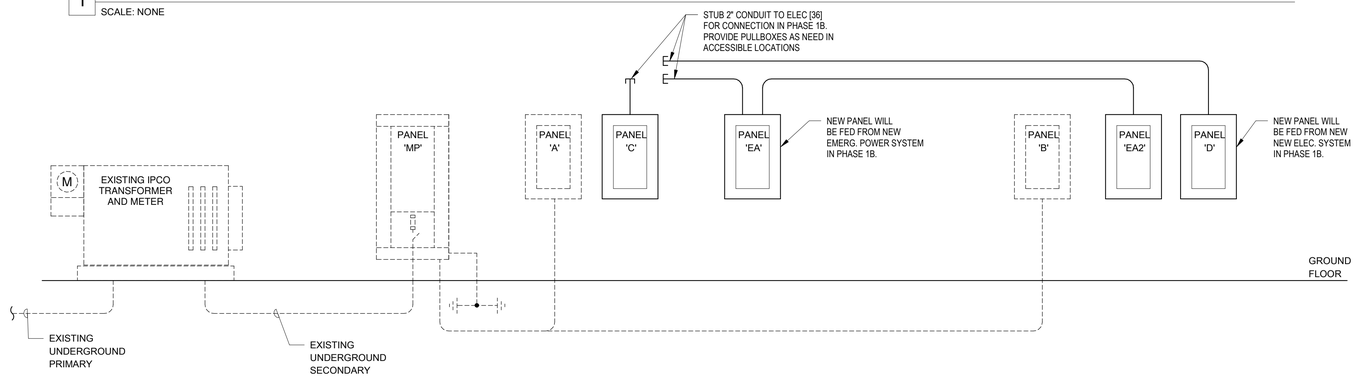
NOTES:

CKT	CIRCUIT DESCRIPTION	NOTE	AMPS	P	A		B		C		P	AMPS	NOTE	CIRCUIT DESCRIPTION	CKT
1	Receptacle - Rooftop		20 A	1	180	975					1	20 A		Lighting	2
3	Receptacle		20 A	1			1080	735			1	20 A		Lighting	4
5	Receptacle		20 A	1					720	0	1	20 A	--	SPARE	6
7	Receptacle		20 A	1	720	0					1	20 A	--	SPARE	8
9	Overhead Door		20 A	1			1200	0			1	20 A	--	SPARE	10
11	Overhead Door		20 A	1					1200	0	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	16
17	Sally Port EF		20 A	1					696	0	1	20 A	--	SPARE	18
19	Sally Port EF		20 A	1	1656	0					1	20 A	--	SPARE	20
21	Elec. Heating		15 A	2			1000	0			1	20 A	--	SPARE	22
23									1000	0	1	20 A	--	SPARE	24
25					3843	4323									26
27	HVAC RTU-6(E)		50 A	3			3843	4323			3	60 A		HVAC RTU-9	28
29									3843	4323					30
			TOTAL LOAD:		11.7 kVA		12.2 kVA		11.8 kVA						
			TOTAL AMPS:		97 A		102 A		98 A						
			TOTAL ESTIMATED DEMAND AMPS:		100 A										

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



1 EXISTING POWER RISER DIAGRAM
SCALE: NONE



2 NEW POWER RISER DIAGRAM
SCALE: NONE

PANEL: EA

PAYNE ENGINEERING

LOCATION: | **VOLTAGE:** 120/208 Wye | **SCCR:** 10,000 | **PROJECT:** TWIN FALLS COUNTY - WRIGHT AV...
FED FROM: | **PHASES:** 3 | **TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS AMPS:** 200
ENCLOSURE: NEMA 1 | **BUSSING:** SEE SPEC'S | **FEED:** TOP
MFG & MODEL: SQ. D/NQ SERIES | **DIMENSIONS:** 20"W x 5.8"D x **"H

NOTES:

CKT	CIRCUIT DESCRIPTION	NOTE	AMPS	P	A		B		C		P	AMPS	NOTE	CIRCUIT DESCRIPTION	CKT
1	(E) EXTERIOR LIGHTS	--	20 A	1	0	0					1	20 A	--	(E) WEST WING	2
3	SPARE	--	20 A	1			0	190			1	20 A		(E) Lighting - SouthWing	4
5	(E) MECH/ELEC. LIGHTS	--	20 A	1					0	0	2	20 A	--	SPARE	6
7	(E) ELEC. RECPT.	--	20 A	1	0	0									8
9	(E) TELECOMM RECPT.	--	20 A	1			0	500			1	20 A		FACP	10
11									1921	0	1	20 A	--	(E) DOOR LOCKS	12
13	HVAC - RTU-1(E)		30 A	3	1921	0					1	20 A	--	(E) SEC. INTERCOM	14
15							1921	0			1	20 A	--	(E) CCTV	16
17	Lighting		20 A	1					560	0	2	40 A	--	(E) AIR COMPRESSOR	18
19	SPARE	--	20 A	1	0	0									20
21	(E) E. WING LIGHTS	--	20 A	1			0	0			1	20 A	--	SPARE	22
23	(E) HVAC EQUIP.	--	20 A	1					0	0	1	20 A	--	SPARE	24
25	SPARE	--	20 A	1	0	--					1	--	--	PREPARED SPACE	26
27	SPARE	--	20 A	1			0	--			1	--	--	PREPARED SPACE	28
29	SPARE	--	20 A	1					0	--	1	--	--	PREPARED SPACE	30
31	SPARE	--	20 A	1	0	--					1	--	--	PREPARED SPACE	32
33	SPARE	--	20 A	1			0	--			1	--	--	PREPARED SPACE	34
35	SPARE	--	20 A	1					0	--	1	--	--	PREPARED SPACE	36
37					1850	--					1	--	--	PREPARED SPACE	38
39	Panel EA2		60 A	3			2425	--			1	--	--	PREPARED SPACE	40
41									2245	--	1	--	--	PREPARED SPACE	42
			TOTAL LOAD:		3.8 kVA		5.0 kVA		4.7 kVA						
			TOTAL AMPS:		31 A		43 A		41 A						
			TOTAL ESTIMATED DEMAND AMPS:		38 A										

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

PANEL: EA2

PAYNE ENGINEERING

LOCATION: | **VOLTAGE:** 120/208 Wye | **SCCR:** 10,000 | **PROJECT:** TWIN FALLS COUNTY - WRIGHT AV...
FED FROM: EA | **PHASES:** 3 | **TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS AMPS:** 100
ENCLOSURE: NEMA 1 | **BUSSING:** SEE SPEC'S | **FEED:** TOP
MFG & MODEL: SQ. D/NQ SERIES | **DIMENSIONS:** 20"W x 5.8"D x **"H

NOTES:

CKT	CIRCUIT DESCRIPTION	NOTE	AMPS	P	A		B		C		P	AMPS	NOTE	CIRCUIT DESCRIPTION	CKT
1	Receptacle - IT Rm		20 A	1	360	770					1	20 A		Lighting	2
3	Receptacle - IT Rm		20 A	1			360	720			1	20 A		Receptacle	4
5	Receptacle - IT Rm		20 A	1					360	720	1	20 A		Receptacle	6
7	SPARE	--	20 A	1	0	720					1	20 A		Receptacle	8
9	SPARE	--	20 A	1			0	180			1	20 A		Receptacle	10
11	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0	0			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0	0	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0	0					1	20 A	--	SPARE	20
21	PREPARED SPACE	--	--	1			--	--			1	--	--	PREPARED SPACE	22
23	PREPARED SPACE	--	--	1					--	--	1	--	--	PREPARED SPACE	24
25	PREPARED SPACE	--	--	1	--	--					1	--	--	PREPARED SPACE	26
27	HVAC CU-1		20 A	2			1165	--			1	--	--	PREPARED SPACE	28
29									1165	--	1	--	--	PREPARED SPACE	30
			TOTAL LOAD:		1.9 kVA		2.4 kVA		2.2 kVA						
			TOTAL AMPS:		15 A		21 A		19 A						
			TOTAL ESTIMATED DEMAND AMPS:		18 A										

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

DATE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
POWER RISER DIAGRAMS & SCHEDULES

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

DATE: 7.12.24
SAM (Drawn) | TEP (Checked)
#23029 PROJECT #

E1A-5.0

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

PAYNE Engineering Inc. Consulting Engineers
1823 E. Center
Pocatello, Idaho 83201
tel (208) 232-4439
www.payneengineeringinc.com

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	VOLTS	WATTS	LUMENS	COLOR TEMP.(K)	MFGR.	CATALOG #	APPROVED MFGR'S	NOTES
F1	1X4 SURFACE HIGH SECURITY CORRECTIONAL LED	SURFACE	120/277	45 W	4450	4000	FAIL-SAFE	FUSL-X12-4-LD4-1HI-40-UNV-80/86-EDC1		
F1E	1X4 SURFACE HIGH SECURITY CORRECTIONAL LED, W/NIGHT-LITE	SURFACE	120/277	45 W	4450	4000	FAIL-SAFE	FUSL-X12-4-LD4-1HI-40-UNV-80/86-EDC2-LLNL		
F1EW	1X4 SURFACE HIGH SECURITY CORRECTIONAL LED, W/NIGHT-LITE, WET LOCATION RATED	SURFACE	120/277	45 W	4450	4000	FAIL-SAFE	FUSL-X12-4-LD4-1HI-40-UNV-80/86-EDC2-LLNL/WL		
F2	2X2 LED CORRECTIONAL SECURITY RECESSED TROFFER	RECESSED	120/277	35 W	4000	4000	FAIL-SAFE	FSR-TG-X24-2-LD4-2STD-40-UNV-80/84-EDD1		
F3	2X4 LED FLAT PANEL, FIELD SELECTABLE LUMENS/CCT	RECESSED	120-277	40 W	5000	4000	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	COOPER	
F3S	2X4 LED FLAT PANEL, FIELD SELECTABLE LUMENS/CCT, INTEGRAL OCC. SENSOR	RECESSED	120-277	40 W	5000	4000	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT-APDT	COOPER	
F4	2FT LED STRIP, FIELD SELECTABLE LUMENS/CCT	SURFACE	120/277	15 W	2000	4000	COOPER LTG	2SNX-SL3-SLW-UNV-CC83-CD1-U	ACUITY	
F5	4FT LED STRIP, FIELD SELECTABLE LUMENS/CCT	SURFACE	120-277	30 W	4000	4000	COOPER LTG	4SNX-SL3-SLW-UNV-CC83-CD1-U	ACUITY	
F6	8FT LED STRIP, FIELD SELECTABLE LUMENS	SUSPENDED	120/277	60 W	8000	4000	COOPER LTG	8SNX-SL3-SLW-UNV-CC83-CD1-U	ACUITY	
F7	4FT LED WRAPAROUND, FIELD SELECTABLE LUMENS/CCT	SURFACE	120/277	40 W	MED	4000	COOPER LTG	4NWS3C3-UNV	ACUITY	
F8	HIGHBAY LED, FIELD SELECTABLE LUMENS/CCT	PENDANT	120/277	110 W	15000	4000	COOPER LTG	UHBS-1218-MV-L84050-U	ACUITY	
FE1	EXTERIOR LED WALL PACK	WALL	MULTI-TAP	50 W	7300	4000	COOPER LTG	ASWPLED2S		
FE2	SQUARE SURFACE LOW PROFILE LED CANOPY LIGHT	SURFACE	120/277	50 W	5000	4000	COOPER LTG	CLCSLED-40-SM-UNV		
FE3	AREA POLE LIGHT HEAD ONLY, TYPE R3 DIST.	EXISTING POLE	MULTI-TAP	0 W	7000	4000	LITHONIA	HEAD ONLY: RSX1 LED-P1-40K-R3-MVOLT-SPA-DDBXD	COOPER	
FX1	EXIT SIGN,THERMOPLASTIC, GREEN LED, SINGLE/DOUBLE FACE	WALL OR CEILING	120-277	2 W	N/A	N/A	LITHONIA	LQM-S-W-3-G-120/277	COOPER	

LIGHT FIXTURE SCHEDULE NOTES:

1. 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(ES) AND FIXTURE(S) TO PROVIDE CONTROL AS INDICATED ON DRAWINGS.
2. FIXTURE TO BE CONTINUOUS ROW MOUNTED, LENGTH AS INDICATED ON DRAWINGS. PROVIDE REQUIRED ACCESSORIES/CONNECTORS FOR CONTINUOUS ROW MOUNTING.
3. SCBA - STANDARD COLOR BY ARCHITECT/OWNER (COORDINATE COLOR WITH ARCHITECT/OWNER PRIOR TO ORDERING.)
4. FIELD ADJUST PENDANT LENGTH AS REQUIRED, VERIFY LENGTH WITH COUNTER AS DIRECTED BY ARCHITECT.
5. PROVIDE ALL COMPONENTS FOR COMPLETE INSTALLATION, INCLUDING BUT NOT LIMITED TO: END FEEDS, CONNECTORS AND ETC.

GENERAL LIGHTING SCHEDULE NOTES:

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

LIGHTING CONTROL/OCCUPANCY SENSOR SCHEDULE

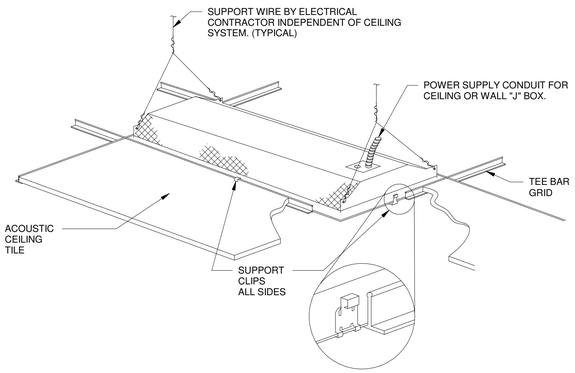
TYPE	DESCRIPTION	MFGR.	CATALOG #	APPROVED EQUALS	NOTES
DIMMER SWITCHES - LINE VOLTAGE					
D1	LINE VOLTAGE 0-10V DIMMER, ON/OFF/DIMMING PUSH-BUTTONS	SENSOR SWITCH	sPODMRA-D-**		2,3,4
OCC. SENSORS - CEILING (LINE VOLTAGE)					
CD2	DUAL-TECHNOLOGY, LINE VOLTAGE, SMALL MOTION 800W MAX LOAD	SENSOR SWITCH	CMR PDT 9	COOPER, WATTSOPPER, HUBBELL	
CD4	DUAL-TECHNOLOGY, LINE VOLTAGE,2-POLE SMALL MOTION, 800W MAX LOAD	SENSOR SWITCH	CMR-PDT-9-2P	COOPER, WATTSOPPER, HUBBELL	
OCC. SENSORS - CEILING (LOW VOLTAGE)					
CD1	DUAL-TECHNOLOGY, SMALL MOTION 360 DEGREE COVERAGE, LOW VOLTAGE, W/ISOLATED RELAY	SENSOR SWITCH	CM PDT 9 R	COOPER, WATTSTOPPER, HUBBELL	1
OCC. SENSORS - WALL MOUNTED					
WDD	DUAL-TECHNOLOGY, 0-10V DIMMING	SENSOR SWITCH	WSX-PDT-D	COOPER, WATTSTOPPER, HUBBELL	2,5
WP1	PASSIVE-INFRARED, 1-POLE, NEUTRAL REQUIRED	SENSOR SWITCH	WSX-**	COOPER, WATTSTOPPER, HUBBELL	2

CONTROL & OCCUPANCY SENSOR SCHEDULE NOTES:

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

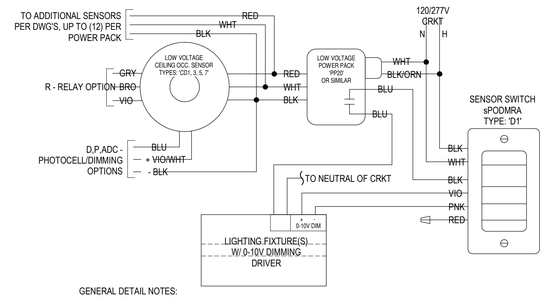
GENERAL LIGHTING CONTROL NOTES:

- 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.



1 LIGHT FIXTURE RECESSED DETAIL

SCALE: NONE

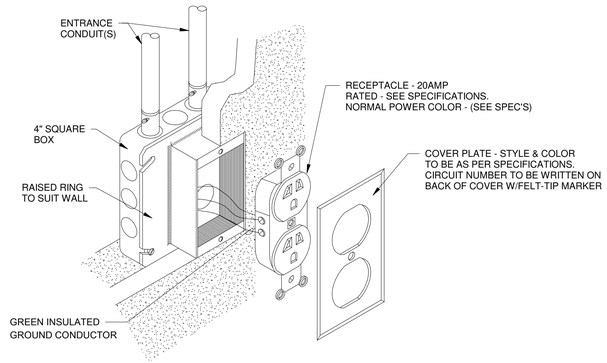


GENERAL DETAIL NOTES:

- THIS WIRING DIAGRAM IS BASED ON SENSOR SWITCH CONTROLS DEVICES AS THE BASIS OF DESIGN SHOWN ON DRAWINGS, IF AN ALTERNATE MANUFACTURER IS USED THE ELEC. CONTRACTOR IS RESPONSIBLE TO PROVIDING ALL WIRING AND COMPONENTS REQUIRED TO PROVIDE THE SWITCHING SCHEME THAT IS REPRESENTED.
- EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN FOR SIMPLICITY, AN EQUIPMENT GROUND SHALL BE RAN TO ALL SWITCHES, LIGHT FIXTURES, ETC.

2 LV OCC. SENSOR W/ TYPE 'D1' SWITCH DIAGRAM

SCALE: NONE



3 RECEPTACLE MOUNTING DETAIL

SCALE: NONE

PHASE 1 PART A FOR:
TWIN FALLS COUNTY - WRIGHT AVE JAIL
2515 Wright Ave, Twin Falls, ID 83301
ELECTRICAL SCHEDULES & DETAILS

DATE

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

DATE: 7.12.24
SAM Drawn
TEP Checked
#23029 PROJECT #

E1A-5.1

PROFESSIONAL ENGINEER REGISTERED 13053 7.12.24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 2496

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