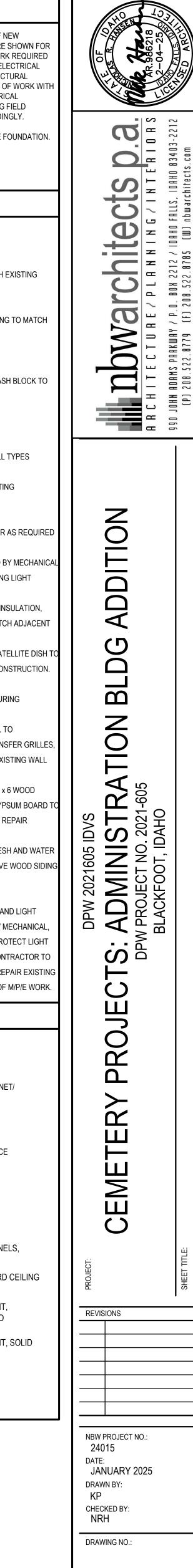


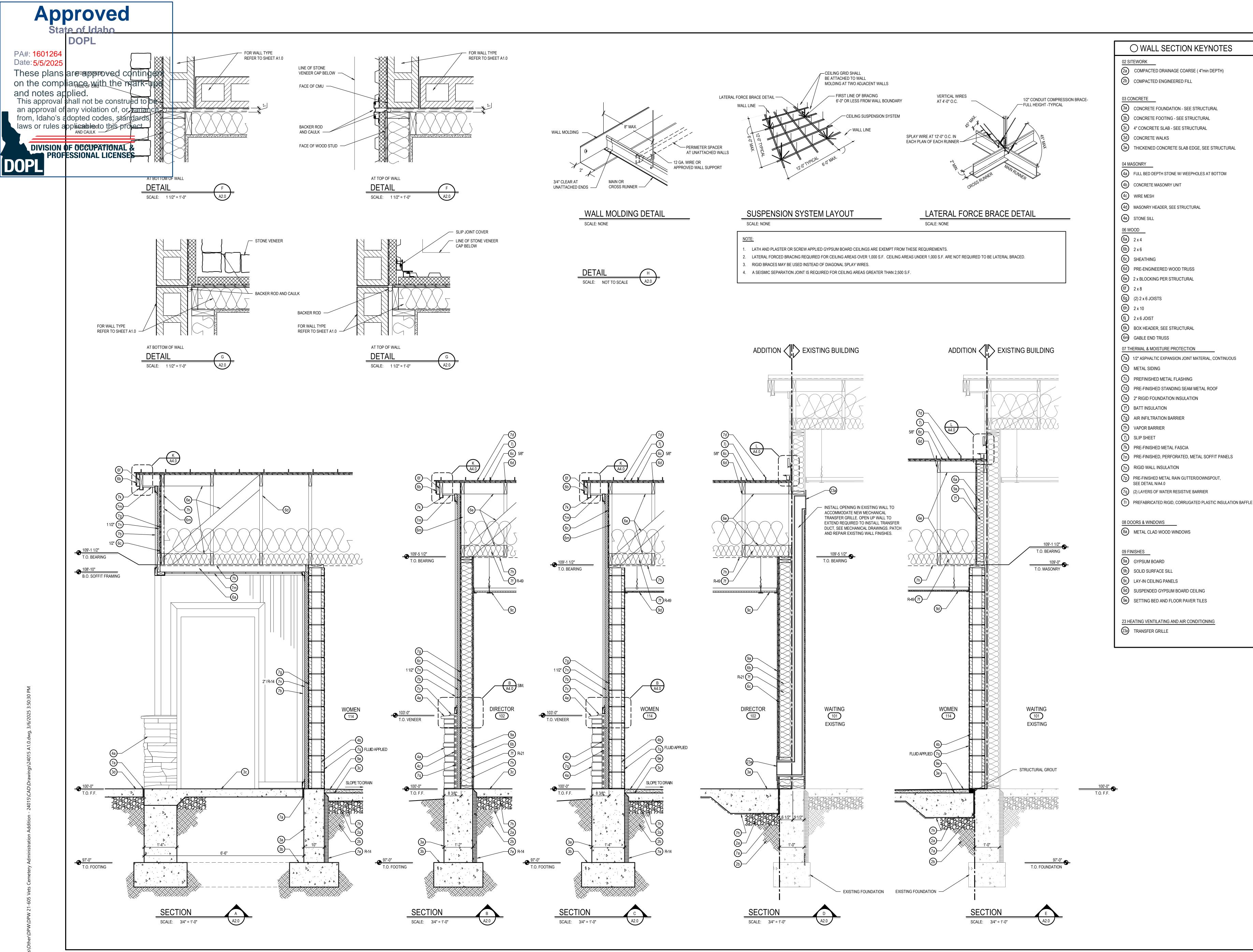
0	KEYNOTES
	TION AND FOOTINGS
NCRETE SLAB SE BIB, SEE PLUMI	BING PLANS.
,	ONE WITH STONE SILL TO MATCH EXIS
NCRETE SPLASH E	BLOCK, MATCH EXISTING.
OOD TRUSS	
ANDING SEAM MET ISTING	AL ROOF OVER ROOF SHEATHING TO
ISTING TT INSULATION	
	SOFFIT TO MATCH EXISTING
TAL GUTTER, DOW	INSPOUT, AND CONCRETE SPLASH BI
TCH EXISTING, SE	
E-FINISHED METAL	. FASCIA TO MATCH EXISTING
PANSION JOINT	T ONT
OOD STUD WALL W	ITH BATT INSULATION, SEE WALL TYP
GID INSULATION	
	OOD WINDOWS TO MATCH EXISTING
EA OF EXISTING R	OOF TO BE DEMOLISHED
	OOD SIDING, PATCH AND REPAIR AS
TLINE OF BUILDING	
TCH AND REPAIR E	EXISTING CEILING AS REQUIRED BY M
	ICAL PLANS. RE-INSTALL EXISTING LIC
TURES.	IING WITH WOOD STUDS, BATT INSUL
	G, AND GYPSUM BOARD TO MATCH A
ALL CONSTRUCTIO	Ν
	RACTOR TO MOVE EXISTING SATELL
	OWNER PRIOR TO START OF CONST DISH DURING CONSTRUCTION.
	ND LIGHT FIXTURE. PROTECT DURING
NSTRUCTION.	
	ENETRATION IN EXISTING WALL TO
	MECHANICAL DUCTS AND TRANSFE
E MECHANICAL DR IISHES.	AWINGS. PATCH AND REPAIR EXISTIN
	INDOW. INFILL OPENING WITH 2 x 6 W
UDS, WALL SHEATI	HING, BATT INSULATION AND GYPSUN
	G CONSTRUCTION. PATCH AND REPA
	FINISHES AS REQUIRED. EER WAINSCOT, SILLS, WIRE MESH A
	COMPLETE . PARTIALLY REMOVE W
	IEW CONSTRUCTION.
STALL NEW DOOR	OPENING
	MPORARILY REMOVE CEILINGS AND L
	RED FOR INSTALLATION OF NEW MEC
	NG DURING CONSTRUCTION. CONTRA
-INSTALL EXISTING	CEILING OR/AND PATCH AND REPAIR
ILING AND LIGHT F	IXTURES AFTER COMPLETION OF M/F
	LEGEND
	ESCAPE ROUTE
\wedge	FIRE EXIT
0 🗖	FEC-FIRE EXTINGUISHER CABINET/ FE -FIRE EXTINGUISHER
	(MIN. 36" CLEAR WIDTH) 2'-6" x 4'-0"
	REQUIRED CLEAR FLOOR SPACE
1	OCCUPANT LOAD
ि ठ छ	LIGHT FIXTURES
-	24" x 24" LAY-IN CEILING PANELS, SEE DETAIL H/A2.0
	SUSPENDED GYPSUM BOARD CE
	EPOXY PAINT.
-	PRE-FINISHED METAL SOFFIT, PERFORATED, HALF VENTED
-	PRE-FINISHED METAL SOFFIT, SC
:	
	EXHAUST FAN
	CEILING DIFFUSER

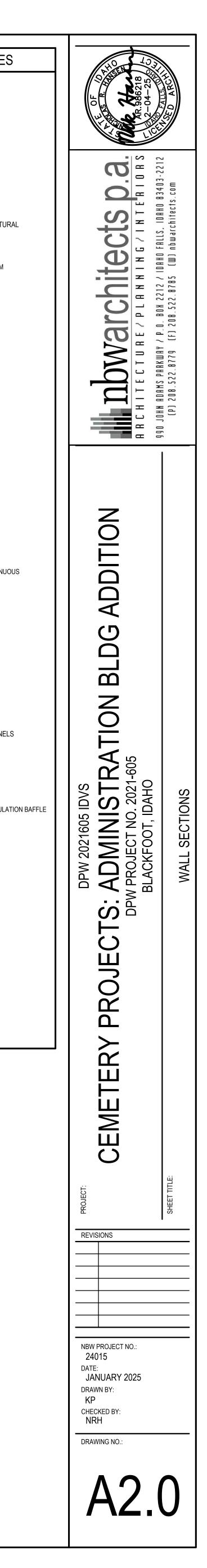
GENERAL NOTES

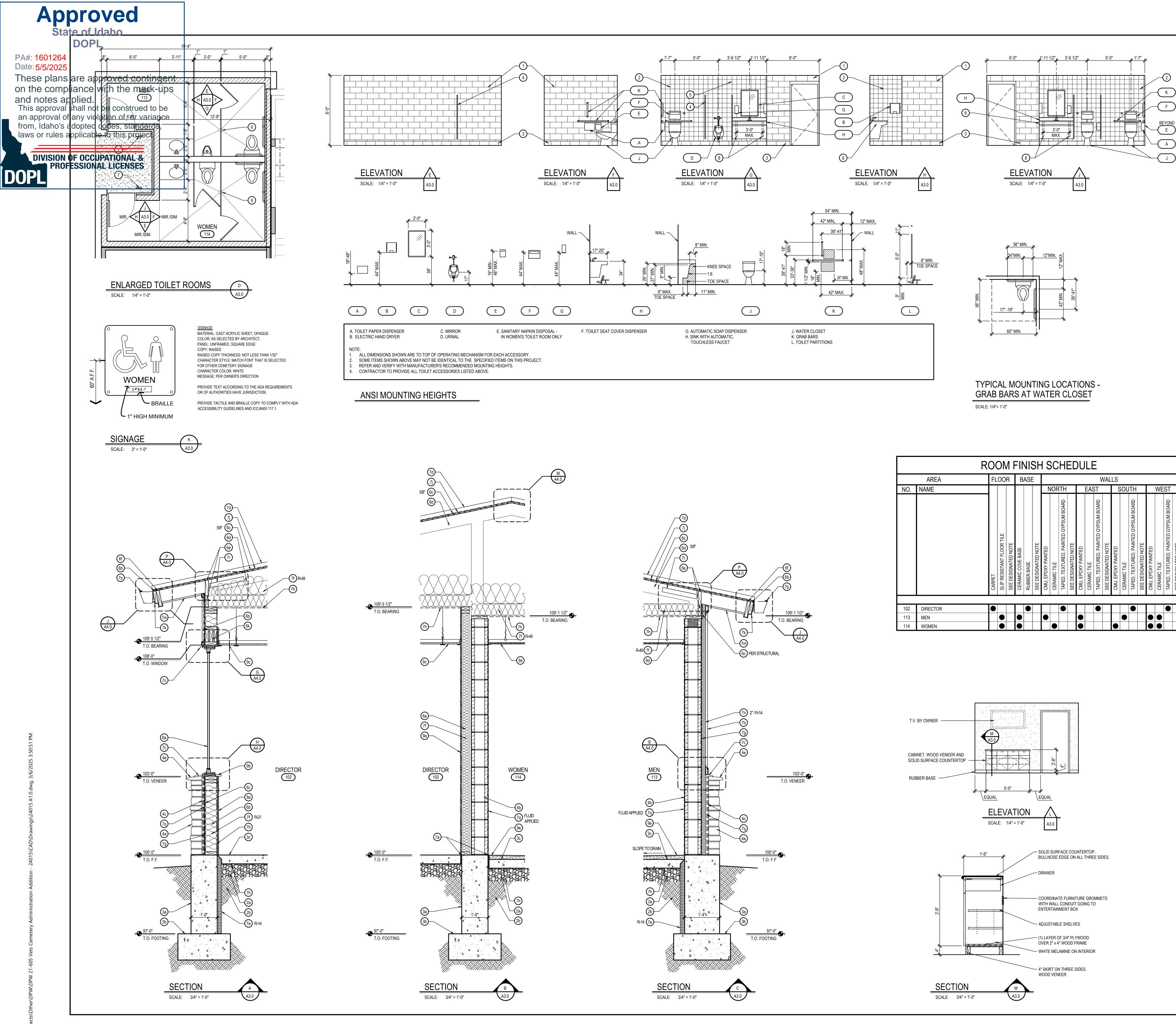




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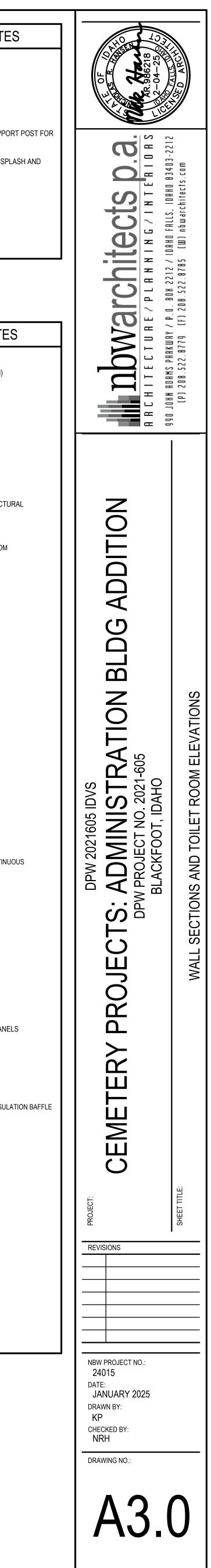


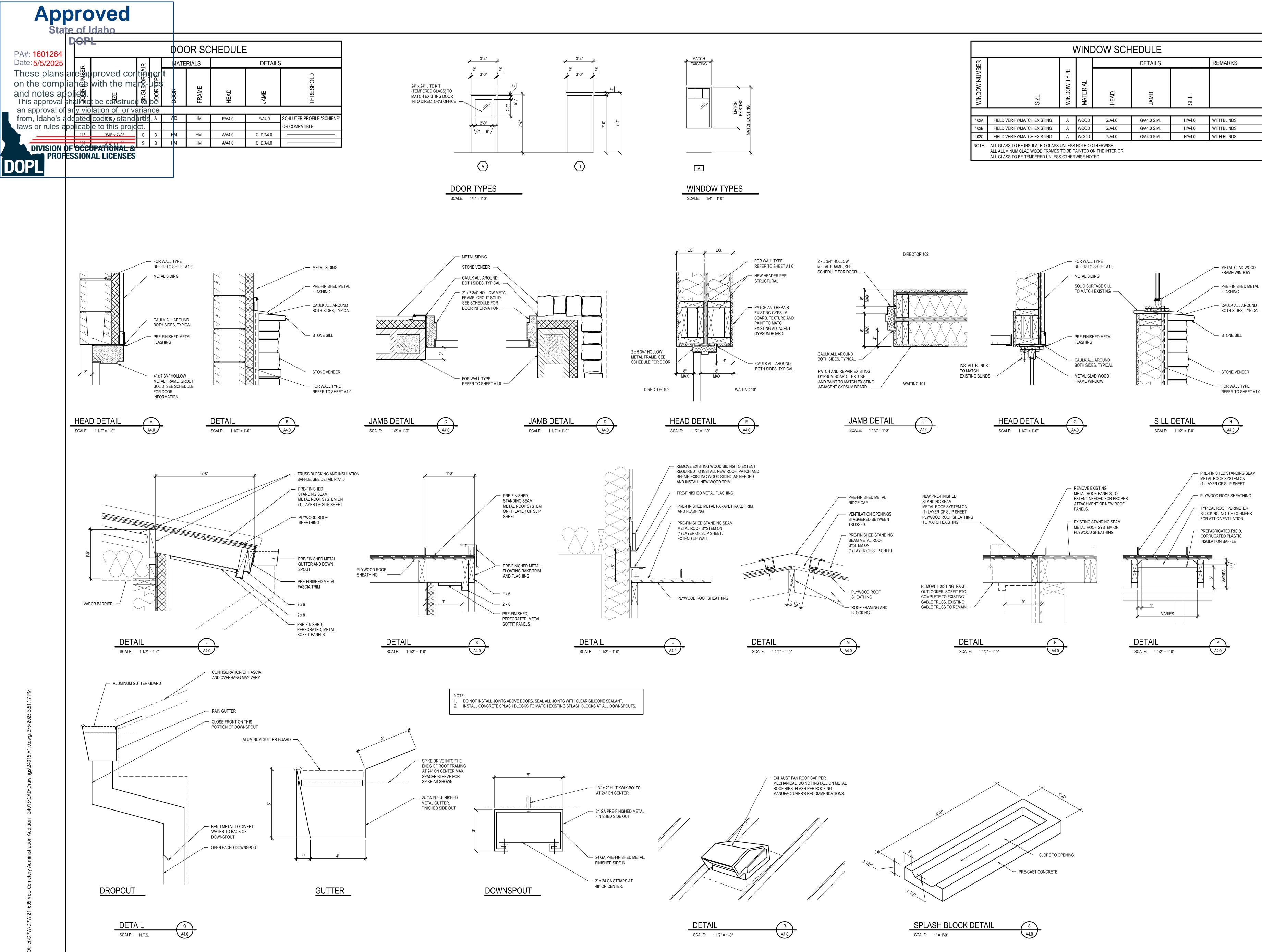
	ROOM FINISH SCHEDULE																						
	AREA	FL	.00	R	В	ASE	Ξ							V	VAL	LS							
NO.	NAME							١	NOF	RTH			EAS	ST		S	SOL	JTH			WE	ST	
		CARPET	SLIP RESISTANT FLOOR TILE	SEE DESIGNATED NOTE	CERAMIC COVE BASE	RUBBER BASE	SEE DESIGNATED NOTE	CMU, EPOXY PAINTED	CERAMIC TILE	TAPED, TEXTURED, PAINTED GYPSUM BOARD	SEE DESIGNATED NOTE	CMU, EPOXY PAINTED	CERAMIC TILE	TAPED, TEXTURED, PAINTED GYPSUM BOARD	SEE DESIGNATED NOTE	CMU, EPOXY PAINTED	CERAMIC TILE	TAPED, TEXTURED, PAINTED GYPSUM BOARD	SEE DESIGNATED NOTE	CMU, EPOXY PAINTED	CERAMIC TILE	TAPED, TEXTURED, PAINTED GVPSUM BOARD	SEE DESIGNATED NOTE
102	DIRECTOR																						
113	MEN							lacksquare															
114	WOMEN																						

○ T.R. ELEVATION KEYNOTE

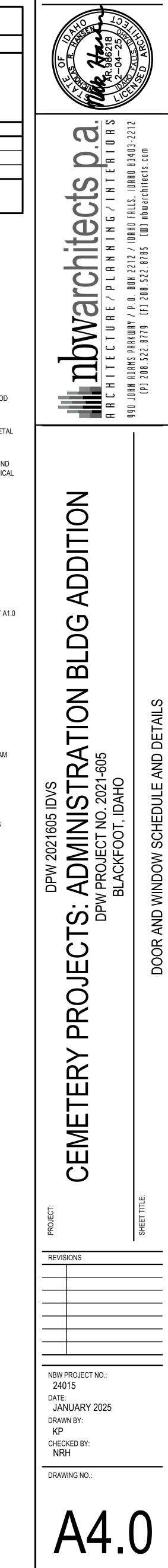
- CMU, PAINTED
- . CERAMIC WALL TILE
- CERAMIC FLOOR TILE AND COVE BASE
- 1. TOILET PARTITION
- 5. 2" x 2" FLOOR TO CEILING STAINLESS STEEL SUPPORT POST FOR URINAL SCREEN
- PLASTIC LAMINATE COUNTERTOP WITH 4" BACK SPLASH AND
- UNDERMOUNT SINK
- SEE DETAIL K/A3.0 FOR SIGNAGE INFORMATION
- STEEL SUPPORT BRACKET, PAINT
- 9. FLOOR DRAIN. SLOPE FLOOR TO DRAIN.

(○ WALL SECTION KEYNOTES
02 SI	TEWORK
(2a)	COMPACTED DRAINAGE COARSE (4"min DEPTH)
2b	COMPACTED ENGINEERED FILL
<u>03 C</u>	ONCRETE
(3a)	CONCRETE FOUNDATION - SEE STRUCTURAL
(3b)	CONCRETE FOOTING - SEE STRUCTURAL
3c)	4" CONCRETE SLAB - SEE STRUCTURAL
(3d)	CONCRETE WALKS
3e	THICKENED CONCRETE SLAB EDGE, SEE STRUCTUR
04 M	ASONRY
$\overline{4a}$	FULL BED DEPTH STONE W/ WEEPHOLES AT BOTTOM
(4b)	CONCRETE MASONRY UNIT
(4c)	WIRE MESH
$\tilde{\mathbf{a}}$	
(4d)	MASONRY HEADER, SEE STRUCTURAL
(4e)	STONE SILL
<u>06 W</u>	OOD
6a	2 x 4
6b	2 x 6
6c	SHEATHING
6d	PRE-ENGINEERED WOOD TRUSS
6e	2 x BLOCKING PER STRUCTURAL
6f	2 x 8
6 g	(2) 2 x 6 JOISTS
6h	2 x 10
<u>(6j</u>	2 x 6 JOIST
<u>6k</u>	BOX HEADER, SEE STRUCTURAL
6m	GABLE END TRUSS
07 TH	HERMAL & MOISTURE PROTECTION
(7a)	1/2" ASPHALTIC EXPANSION JOINT MATERIAL, CONTINUC
(7b)	METAL SIDING
(7c)	PREFINISHED METAL FLASHING
(7d)	PRE-FINISHED STANDING SEAM METAL ROOF
(7e)	2" RIGID FOUNDATION INSULATION
(7f)	BATT INSULATION
(7g)	AIR INFILTRATION BARRIER
(7h)	VAPOR BARRIER
(7j)	SLIP SHEET
(1) (7k)	PRE-FINISHED METAL FASCIA
(7m)	PRE-FINISHED, PERFORATED, METAL SOFFIT PANEL
(7n)	RIGID WALL INSULATION
(/II) (7p)	PRE-FINISHED METAL RAIN GUTTER/DOWNSPOUT,
\sim	SEE DETAIL N/A4.0
(7q)	(2) LAYERS OF WATER RESISTIVE BARRIER
(7r)	PREFABRICATED RIGID, CORRUGATED PLASTIC INSULA
08 D(OORS & WINDOWS
8a	METAL CLAD WOOD WINDOWS
<u>09 FI</u>	NISHES
9a)	GYPSUM BOARD
9b	SOLID SURFACE SILL
9c	LAY-IN CEILING PANELS
9d	SUSPENDED GYPSUM BOARD CEILING
9e	SETTING BED AND FLOOR PAVER TILES
00.11	
$\overline{}$	EATING VENTILATING AND AIR CONDITIONING
(23a)	TRANSFER GRILLE





	WINDOW SCHEDULE									
ßER					DETAILS		REMARKS			
WINDOW NUMBER	SIZE	WINDOW TYPE	MATERIAL	HEAD	JAMB	SILL				
		-								
102A	FIELD VERIFY/MATCH EXISTING	А	WOOD	G/A4.0	G/A4.0 SIM.	H/A4.0	WITH BLINDS			
102B	FIELD VERIFY/MATCH EXISTING	Α	WOOD	G/A4.0	G/A4.0 SIM.	H/A4.0	WITH BLINDS			
102C	FIELD VERIFY/MATCH EXISTING	А	WOOD	G/A4.0	G/A4.0 SIM.	H/A4.0	WITH BLINDS			
NOTE:	NOTE: ALL GLASS TO BE INSULATED GLASS UNLESS NOTED OTHERWISE. ALL ALUMINUM CLAD WOOD FRAMES TO BE PAINTED ON THE INTERIOR. ALL GLASS TO BE TEMPERED UNLESS OTHERWISE NOTED.									



REFER TO SHEET A1.0

Approved	
State of Idaho DOPL STRUCTURAL DRAWING NOTES	K. Construction joints in large areas of slab on grade shall be placed in long strip construction fashion in widths as required. Control joints at IO feet maximum sh
PA#: 1601264 Date: 5/5/2025	be saw-cut longitudinal and transverse to the length. See Concrete Slab on Grade Details on sheet SI.2. VIII. MASONRY
These plans are approvering continent in conjunction with the architectural drawings to on the compliance with the mark-ups	A. All concrete masonry units shown on the drawings shall conform to TMS 602/AC ASCE6. Net area compressive strength of concrete masonry unit to be 1900 p
and notes applied. This approval shall not be opinion of the Contractor, any items that appear to be deficiencies,	Net area compressive strength masonry f'm = 1500 psi. B. The mortar used shall conform to TMS 602/ACI 530/ ASCE6 with minimum compressive strength at 28 days of 2500 psi for Type M and 1800 psi for Typ
from. Idaho's adopteebeades standards	mortar. Reference ASTM C270 for mix proportions. C. Grout shall comply with Article 2.2 of TMS 602/ACI 530/ ASCE6. Grout shall be proportioned by volume and shall have sufficient water to produce a consistence
Image: A state of the stat	for pouring without separation. Also grout shall have a minimum compressive strength at 28 days of 2000 psi. Reference ASTM C476 for mix proportions. D. When the average daily temperature is expected to drop below 40° F, the
DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSES Exposure = C Risk Category II Enclosure Classification = Enclosed	masonry shall comply with the Cold Weather Construction requirements of the Building Code Requirements for Masonry Structures (ACI 530). Use no masonry units having surface ice or snow.
DOPL Components and Cladding Pressure = 15 psf B. Seismic Ss = 40.4%g Sps = 0.397g SI = 14.1%g SpI = 0.218g	E. All masonry units shall be placed in a running bond orientation. Cells shall be aligned to preserve unobstructed vertical cavities. All cells with reinforcement anchor bolts, embed plates and areas to receive drilled in anchors shall be
Risk Category = II IE = 1.00 Site Class = D Seismic Design Category = D R = 5 V = Cs W = 0.080W Light Frame Bearing Wood Walls With Wood Shear Panel System and Special Reinforced Masonry Bearing Sheer Walls Equivalent Lateral Force Analysis Method.	grouted full. F. All vertical reinforcement in piers and walls shall be doweled from the footing or structure below with rebar of the same size and spacing as required above. All footing dowels shall have at least 40 diameters embedment into masonry above and shall have a 6" hook in footing below unless specified otherwise.
Percentage of roof snow used for design = 20% C. Live Loads per IBC Sec. 1607 <u>Uniform (psf)</u> <u>Concentrated (lbs.)</u> I. Ground snow: Pg 50	Provide two reinforced and grouted vertical cells at all corners, ends and each side of control joints. (See Typical Masonry Details 3/51.2). G. High lift grouting is acceptable at the Contractor's option. The Contractor
2. Roof a. Snow Load: Pf 35 i. $ s = .0$ ii. $Ce = .0$	must coordinate with the special inspection agency, the extra requirements necessary for the inspection of the high lift grouting prior to constructing any areas that will be grouted as a high lift. All high lift grouting requirements must be followed.
iii. Ct = 1.0 b. Live Load 20 (Non-concurrent with snow load) 50 2000	H. All horizontal reinforcement shall be in a bond beam. Where horizontal reinforc bars join concrete or masonry columns the reinforcing shall run continuous throug columns. Where continuous horizontal reinforcement terminates, use a 90° return
2. Interior wall lateral pressure 5 D. Dead Loads <u>Uniform (psf)</u>	or separate corner bar. 1. Splices of reinforcement at points of maximum stress shall be avoided. All
I. Framing system 20 (Roof) E. Design Assumptions	longitudinal reinforcement in beams and headers shall be continuous without splic between supports. Minimum overlap for lapped splices for reinforcing bars sho be as follows unless otherwise noted. If centered in wall: #4 - 15" #5 - 23" #6 - 43" #7 - 60
 Soil bearing pressure used is 1500 psf for columns and wall footings as per the Geotechnical Engineering report, by Materials Testing and Inspection dated December 20, 2016. Any variation encountered, different from this report, shall be brought to the attention of G&S Structural Engineers before proceeding. 	If offset 2" from face of wall: #4 - 26" #5 - 40" #6 - 54" #7 - 6 r J. Reinforce all masonry walls as shown on the Masonry Wall Schedule.
F. Allowable Stresses (unless otherwise noted) I. Concrete (Reference ACI 318–14, section 19.3–Concrete Durability Requirements) a. Footings & Exterior/perimeter foundation walls	K. All masonry below finished grade shall be grouted solid. Where exposed to earth, the exterior face of the masonry shall be protected with an asphaltic surface coating.
i. Per ACI Table 19.3.1.1 - F1,50,W0,Cl ii. Minimum f'c @ 28 days 4000 psi iii. W/C ratio 0.50 max	IX. REINFORCING STEEL A. Welding or tack welding of reinforcing bars to other bars, plates, angles, etc. i prohibited unless ASTM A706 (weldable) rebar is utilized.
iv. Slump limit 4 - 8 inches with verified max slump of 3" before admixtures, (± ") v. Air entrainment 5% (± 1%) Total air content b. Interior slabs on grade not exposed to freeze thaw	B. All detailing, fabrication and placing of reinforcing bars shall conform to the Ad Manual of Standard Practice for Detailing Reinforcing Concrete Structures (AC 315).
i. Per ACI Table 19.3.1.1 - F0,50,W0,Cl ii. Minimum f'c @ 28 days 4000 psi iii. W/C ratio 0.50 max iv. Slump limit 4 - 8 inches with verified max slump of 3"	C. Reinforcement shall be accurately placed as indicated on the drawings and adequately supported to prevent displacement before concrete or masonry grout is placed.
v. Air entrainment vi. Coordinate concrete design with special slab finish requirements, see arch. drawings and/or specifications. Use the more restrictive requirements.	D. The following minimum concrete cover for reinforcement shall be provided, unles otherwise noted. Cast aqainst and permanently exposed to earth3"
c. Exterior slábs on grade or interior slab exposed to freeze tham i. Per ACI Table 19.3.1.1 - F2,51,W0,C2 ii. Minimum f'c @ 28 days 5000 psi	Exposed to earth or weather - #5 and smaller 1-1/2" - #6 thru #18 bars 2" Not exposed to earth or weather - slabs, walls 3/4"
iii. W/C ratio iv. Slump limit 0.40 max 3 - 8 inches with verified max slump of 3" before admixtures, (± 1") v. Air entrainment 6% (± 1%) Total air content	X. ARCHITECTURAL VENEER ATTACHMENTS A. All architectural veneer and wall coverings are to be attached to the supporti wall system per the architectural specifications.
vi. Lithium Nitrate admixture See project specifications 2. Concrete masonry a. Masonry Wall (f'm) 1500 psi b. Masonry Units 1900 psi	XI. PRE-ENGINEERED WOOD TRUSSES A. See architectural drawings for roof slopes and/or truss configurations. Review structural drawings for intended truss placement and support locations.
c. Mortar (@ 28 days) i. Type M 2500 psi ii. Type S 1800 psi d. Grout (@ 28 days) 2000 psi	B. Individual trusses and truss spacing to be designed by the Truss Manufacturer. The truss spacings shown on plan are maximum spacings. The Truss Manufacturer may combine and/or space trusses closer together as required by the individua
3. Reinforcing steel a. Typical b. Weldable 4. Wood framing	truss design. C. The pre-engineered roof truss members shall be designed to support the following loads in addition to the dead load of the member as applicable.
a. Stud walls b. 2x joists IV. SPECIAL INSPECTION	 35 psf roof snow load plus drifting as indicated on plans. 20 psf roof live load (non-concurrent with snow load). 3. 12 psf dead load top chord. 4. 8 psf dead load bottom chord.
A. The Owner or the Owner's Agent shall employ independent Special Inspector(s) to perform the following duties. Each Special Inspector shall submit qualifications showing competency to the Building Official for approval prior to specified	 Applicable wind and seismic loads. A IO psf bottom chord live load non-concurrent with any other live loads. Applicable mechanical, electrical and sprinkler loads.
duties. All special inspection is to comply with IBC Chapter 17. 1. Duties and Responsibilities of the Special Inspector: a. The Special Inspector shall observe the work assigned to be certain it conforms to the approved contract drawings.	D. The shop drawings and design calculations shall be produced by, or under the supervision of a registered Professional Engineer. The shop drawing submittal to the Contractor shall include the following:
b. The Special Inspector shall furnish inspection reports to the Building Official and to the Architect of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction. 2. Concrete:	 Truss placement plan. Truss design drawing for each truss, stamped and signed by a registered Professional Engineer licensed in the state in which the project will be constructed.
a. Special inspection per IBC Section 1705.3. See inspection schedule on sheet SI.I 3. Concrete and Masonry Anchors: a. Drilled in adhesive (epoxy) and mechanical anchors: I. Special inspection of drilled in anchors as per ICC Evaluation Services	 Connection requirements for truss to truss girder, truss ply to ply and field splices shall be designed by the Truss Manufacturer and submitted with shop drawings. Contractor shall provide such connection requirements as specified in shop submittals.
Report and/or as required by the building department. 4. Structural Masonry (Periodic): a. Special inspection per IBC Section 1705.4. See inspection schedule on sheet SI.I	E. Contractor shall provide all permanent bracing requirements for the structure, including the trusses as indicated in structural drawings and shop drawings. The lateral bracing shall be anchored to solid end walls or
 V DEFERRED SUBMITTALS A. The following items are for deferred submittals. Documents shall be submitted, reviewed and approved by G\$S Structural Engineers and the building officials prior to installation. I. Pre-engineered Trusses 	permanent diagonal bracing. F. Contractor shall provide blocking at all truss support locations and V-notch blocking as required at all vent locations. See Typical Vent Blocking Detail 6/5
VI. GENERAL STRUCTURAL NOTES A. All footings shall bear on undisturbed soil or rock. The foundation shall bear on the same soil type throughout the entire structure. A minimum distance of 3'-0"	G. No truss shall be modified without the Truss Manufacturer's approval.
shall be maintained from finished grade to the bottom of all concrete footings. Use Typical Stepped Footing Detail 2/SI.2 at change in footing elevations. B. Caution shall be taken not to undermine existing footings. See Allowable Trenching and Utility Placement Detail 1/SI.2.	A. All wood and timber construction that is part of this project shall comply with the Timber Construction Manual of the AITC. Other members with equivalent size an strength can be substituted only if documentation is provided to substantiate capacity of new product. All wood framing members shall have a moisture content less than 19% unless otherwise noted.
C. Contractor shall verify all dimensions in the field: any variation from the drawings shall be brought to the attention of the Architect. Any proposed field changes shall have prior approval from the Architect.	 B. Notching of any structural member other than that shown on the drawings is prohibited. See Detail 5/SI.2 for Allowable Penetration In Light Framed 2x Lumb C. There shall be at least two nails at each contact point, with 8d thru I" material,
D. Adequate shoring and bracing of all structural members during construction shall be provided.	l6d thru 2" material and 40-60d thru 3" material. ' D. Wherever possible nails should be driven perpendicular to the grain instead of
E. Backfill under slabs and footings shall be with approved material per the referenced Geotechnical Engineering Report. VII. CONCRETE	toe nailed. E. All wood materials in direct contact with concrete or masonry or within 8" of sc shall be pressure treated wood or wood of natural resistance to decay.
 A. Unless otherwise noted, all concrete is to be made with Portland Cement - ASTM CI50 with a maximum aggregate size less than or equal to one inch. B. Concrete shall be of ready mix type conforming to ASTM C94. 	F. Where wood tends to split, holes for nails shall be bored a diameter smaller than that of the nails.
C. When the average daily temperature is expected to drop below 40° F for 3 or more successive days, the concrete shall comply with the Cold Weather Concreting Standard (ACI 306). Place no concrete against frozen earth.	G. Roof sheathing face grain must be perpendicular to its supports. H. All wall studs shall be continuous from floor to roof diaphragms.
D. All vertical reinforcement in piers and walls shall be doweled from the footing or structure below with rebar of the same size and spacing as required above. All footing dowels shall have at least 40 diameters embedment into concrete above	 Roof and wall diaphragm sheathing nails or other approved sheathing connections shall be driven so that their head or crown is flush with the surface of the sheathing.
E. Provide corner bars at all intersecting corners. Use same bar size and spacing as horizontal wall reinforcement. Where horizontal reinforcing bars join concrete	J. All wood connection hardware shown on plans is based upon Simpson Strong Tie products. Equivalent hardware may be used upon approval of the Architect. A hangers are to match the width and depth of framing members with correct slop and skew where applicable. Fill all nail holes unless otherwise noted. All Simps
columns the reinforcing shall run continuous through columns. Where continuous horizontal reinforcement terminates, use a 90° return or separate corner bar.	and skew where applicable. Fill all hall holes unless otherwise noted. All simps connectors in exterior applications or in contact with pressure treated wood sh have a corrosion resistant coating. The coating type shall be determined by referencing the "General Corrosion Information" website at "www.strongtie.com/i and the "Corrosion Resistance Recommendations and Classifications" section.
F. Splices of reinforcement at points of maximum stress shall be avoided. All longitudinal reinforcement in beams and headers shall be continuous without splices between supports. Minimum overlap for lapped splices shall be as follows: #4 - 24"; #5 - 30"; #6 - 36"; #7 - 53"	and the "Corrosion Resistance Recommendations and Classifications" section. K. See the Nailing Schedule for the typical wood to wood fastening requirements of the structural components.
 G. Reinforce all concrete walls as shown on the Concrete Wall Schedule. H. All exterior vertical concrete surfaces below finished grade, where in contact with earth shall be protected with an asphaltic coating. 	L. For Alternate Staple Schedule for roof and wall sheathing see Sheet SI.I.
earth, shall be protected with an asphaltic coating. I. No aluminum products shall be embedded in the concrete.	
J. All construction joints shall be located so as not to impair the strength of the structure. Unless noted on the drawings, all reinforcement shall be continuous through the joints. Each construction joint shall be keyed.	

e areas of slab on grade shall be placed in long strip ths as required. Control joints at 10 feet maximum shall d transverse to the length. ade Details on sheet SI.2.

s shown on the drawings shall conform to TMS 602/ACI 530/ essive strength of concrete masonry unit to be 1900 psi. ength masonry f'm = 1500 psi.

nform to TMS 602/ACI 530/ ASCE6 with minimum 28 days of 2500 psi for Type M and 1800 psi for Type S I C270 for mix proportions.

ent shall be in a bond beam. Where horizontal reinforcing sonry columns the reinforcing shall run continuous through 5 horizontal reinforcement términates, use a 90° return

t points of maximum stress shall be avoided. All in beams and headers shall be continuous without splices m overlap for lapped splices for reinforcing bars shall rwise noted. #4 - 15" #5 - 23" #6 - 43" #7 - 60"

d to earth or weather - slabs, walls... 3/4" ACHMENTS and wall coverings are to be attached to the supporting ectural specifications.

blocking at all truss support locations and V-notch vent locations. See Typical Vent Blocking Detail 6/51.2. d without the Truss Manufacturer's approval.

truction that is part of this project shall comply with the al of the AITC. Other members with equivalent size and Per 2018 IBC section 1705.3 and Table 1705.3 ed only if documentation is provided to substantiate All wood framing members shall have a moisture ss otherwise noted.

member other than that shown on the drawings is 51.2 for Allowable Penetration In Light Framed 2x Lumber. no nails at each contact point, with 8d thru I" material,

ware shown on plans is based upon Simpson Strong Tie dware may be used upon approval of the Architect. All width and depth of framing members with correct slope e. Fill all nail holes unless otherwise noted. All Simpson plications or in contact with pressure treated wood shall t coating. The coating type shall be determined by Corrosión Information" website at "www.strongtie.com/info" ance Recommendations and Classifications" section.

NAILING SCHEDULE

All nails in this schedule are based upon IBC Table 2304.10.1 and Truss Joist specifier's quide. See the IBC table or engineered "I" joist manufacture for additional options and requirements. All fasteners exposed to weather or moisture and/or fasteners less than $1/2^{"\Phi}$ driven into pressure treated lumber shall be stainless steel or galvanized. Other nails with proper revised spacing may be used with written approval of the engineer. FASTENING

CONNECTION 2x Roof Joists or 2x trusses

to top plate

<u>Double Top Plates</u> Lower plate to top of stud

Upper plate to lower plate-staggered

Studs to bottom plate

Blocking between studs

Stud to Stud & Built-up corner studs 2x Built-up Headers

2x12 or less in depth Continuous header to stud

Double 2x joists

4-10d box (0.128"x3") toenail or 3–16d box (0.135"x3.5") toenail

Blocking between 2x joists or 2x trusses 3-10d box (0.128"x3") toenail to joist or truss ≰ IOd box (0.128"x3") toenail to plate below @ 6"

2-16d common (0.162"x3.5") end nails or 3-10d box (0.128"x3") end nails 16d common (0.162"x3.5") @ 16" o.c. or 10d box (0.128"x3") @ 12" o.c. Upper plate to lower plate @ intersection 2-16d common (0.162"x3.5") or 3-10d box (0.128"x Upper plate to lower plate @ splice point 8-16d common (0.162"x3.5") or 12-10d box (0.128"; @ each side of splice (Minimum lap: 4'-0" with 2'-0" each side of splice)

> 2-16d common (0.162"x3.5") end nails or 3-10d box (0.128"x3") end nails or 4–10d box (0.128"x3") toenails 2-10d box (0.128"x3") toenail or end nails @ each

|6d box (0.|35"x3.5") @ |2" o.c.

2 rows of 16d box (0.135"x3.5") @ 12" o.c. @ each | 4-10d box (0.128"x3") toenail at each stud 2 rows of 16d box (0.135"x3.5") @ 12" o.c.

STRUCTURAL MASONRY CONSTRUCTION INSPECTIONS Per 2018 IBC section 17054 and TMS 602-16

STRUCTURAL MASONRY CONSTRUCTION INSPECTIONS Per 2018 IBC section 1705.4 and TMS 602-16.					WOOD WALL SCHEDULE (SEE FRAMING PLAN FOR SHEAR WALL HOLDOWNS) (SEE APPROPRIATE SECTIONS FOR BOTTOM PLATE NAILING OR BOLTING)							
INPECTION	INSPECTION			(1)	(2)		(4)	(5)	(6)	SHEATHING	EDGES	INTERMED
				2×6 @	2×		C. YES	2×6 @	4/50.20	ONE SIDE	@ 6" O.C.	@ 2" 0.C
	×	Prior to construction		6" O.C.		7" EMBED		PANEL JT.				
	×	Prior to construction										
	×	During construction	(2) l (3) l	JSE PRESS JSE A307	URE TREATE STEEL. <i>DO</i>	D WOOD WH	5 NUT AND WAS	GHER INTO SILL F	PLATE. MINIM			
	×	During construction		FITEN HD A DF 3 1/4" F	NCHORS OF OR 1/2"Φ TI	THE SAME I TEN HD ANCT	DIAMETER AND HORS AND 3 3) SPACING SPEC 5/4" FOR 5/8"Φ T	IFIED. PRO' ITEN HD ANC	VIDE A MININ CHORS.	1UM EMBED	
	×	During construction	 (4) USE A36 STEEL. DO NOT RECESS INTO SILL PLATE. IF PLATE WASHERS ARE NOT REQUIRED, USE STANDARD WASHERS. (5) AT BEARING WALLS (BW) ONLY, BLOCKING MAY BE ELIMINATED IF WALL SHEATHING IS APPLIED. (6) WHERE TOP PLATE IS CUT OR DISCONTINUOUS, STRAP ACROSS BREAK WITH SIMPSON MST37 STRAP. (7) SHEATHING TO BE PLYWOOD OR OSB. (VERTICAL OR HORIZONTAL ORIENTATION.) PROVIDE BLOCKING AT ALL UNSUPPORTED PANEL EDGES FOR NAILING, INCLUDING PANEL EDGES ABOVE AND BELOW OPENINGS. 									
								N SCHEF				
ce:												
	×		NOTE				ON SIMPSON S	STRONG-TIE CON	NECTORS. F	ASTEN HOLE	OWN AS ST	PECIFIED
	×		MARK	MODEL NUMBER		DOLI	MINIMUM EMBEDMENT IN CONCRETE			REMARK	5	
	×		HDI	LSTHD8	> A	-	8"	2- 2x				
q are in complia	nce:											
×							Ν		I EDGE			
×								-/ NAILING FL	JLL HEIGHT			
	×								_UMN			
								STRAP TIE				
iuring constructio	on:						• • • • •					
	×						• • • • • • •	MANUFACT	URER			
	×											
	×											
×		Including other details of anchorage to masonry to structural members, frames or other construction										
×												
		Cold weather = below 40°F Hot weather = above 90°F					HOLDO	OWN TYP	ΈA			
×						WOOD		RAGM S	CHEDL	LE		
	AS 602-16.	AIS 602-16. CONTINUOUS INPECTION PERIODIC INSPECTION X X	MS 602-16. CONTINUOUS INPECTION PERIODIC INSPECTION COMMENTS X Prior to construction X Prior to construction X During construction X Including construction	R5 602-16. COMMENTS CONTINUOUS PERIODIC INPECTION COMMENTS INPECTION X X Prior to construction X Prior to construction X Prior to construction X During construction X Including construction X Including other details of anomy logs and the construction X Including other details of attructured members, fromes or other construction X Including other details of attructured members, fromes or other construction X Including other details of attructured members, fromes or other construction X Including other details of attructured members, fromes or other construction	AB 202-16. CONTINUOUS PERIODIC COMMENTS X Prior to construction X Prior to construction X Prior to construction X During c	HS 602-16. CONTINUOUS PERIODIC X Prior Lo construction X Prior to construction X Prior to construction X During constructi	Hold Contribution PREVIOUS COMMENTS Impediation X Prior to construction X Prior to cons	The Second Seco	ADDID ANT L SCHEDULE (SEE APPROPRIA CONTINUE) CONTINUE CONTINU			A Prior to construction A Prior to constore prior to construction A Prior to construction A Prior

CONCRETE CONSTRUCTION INSPECTIONS

INSPECTION TASK	CONTINUOUS INPECTION	PERIODIC INSPECTION	COMMENTS
Inspect reinforcement		×	
Reinforcing bar welding		×	Verify weldability of reinforcing bars (ASTM A706 only), inspect welds
Inspect anchors cast in concrete		×	
Inspect post installed concrete anchors	×		Adhesive anchors: inspect either continuous or periodic per the requirements of the ICC-ES reports
		×	Mechanical anchors: inspect periodic per the ICC-ES report
Verify use of approved design mix		×	
Prior to concrete placement, fabricate specimens for strength test, perform slump, air content and temperature tests	×		
Inspect concrete and shotcrete placement for proper application techniques	×		
Verify maintanance of specified curing temperature and techniques		×	
Inspect formwork for shape, location and dimensions of the concrete member being formed		×	



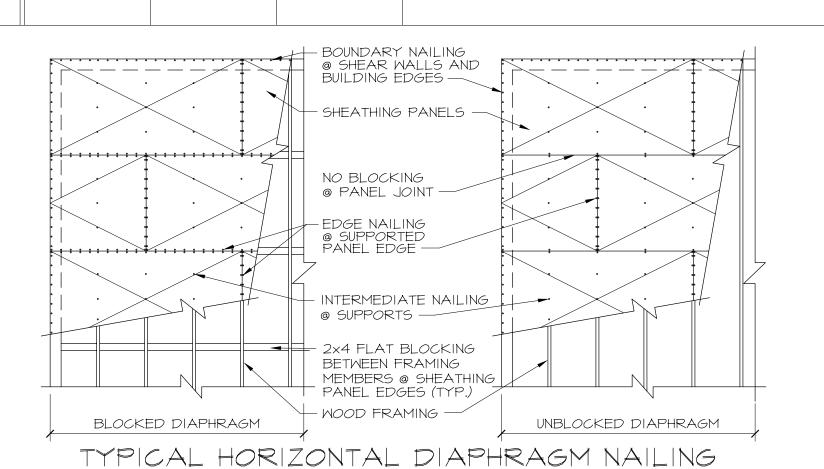
NC

MA

6" o.c.			
"×3") "×3")			
2)			
ch end			
n ply			

WALL SCHEDULE	(SEE FRAMING PLAN FOR SHEAR WALL HOLDOWNS) (SEE APPROPRIATE SECTIONS FOR BOTTOM PLATE NAILING OR BOLTING)
---------------	---

ARK	SPAN RATING	SHEATHING	PANEL JOINT BLOCKING	NAILING (I) (0.131"Фх2 I/2" MIN. U.O.N.)
NDI	40/20	19/32" C-D APA RATED SHEATHING	NONE	BOUNDARY @ 6" O.C. SUPPORTED EDGES @ 6" O.C. INTERMEDIATE @ 12" O.C.



G & S STRUCTURAL ENGINEERS 505 LINDSAY BOULEVARD IDAHO FALLS, IDAHO 83402 PHONE: (208) 523-6918 E-MAIL: gs@gsengineers.net COPYRIGHT 2024 PROJECT NUMBER: 24122 DRAFTER: DW DESIGNER: MA CHECKER: MA

REQUIRED

STANDARD

THICKNESS

TYPICAL

AΤ

DIAMETER

		LEGE	ND		
MARK ON		DESCRIPTION		SCHED	
<u>SHEET</u> CF	6.0	NCRETE FOOT	ING	<u>ON 5+</u> 52	
CCJ		ROL OR CONS		-	
CS	С	ONCRETE SLA	B	SI.2	2
СМ	С	ONCRETE WAL	_L	SI.2	2
HD	НС	DLDOWN ANCHO)R	51.	
MH	MA	SONRY HEAD	FR	SI.2	 2
MW		1ASONRY WAL		SI.2	
SW		SHEAR WALL		51.	
WD	M	OOD DIAPHRA	M	51.	
MH	J	NOOD HEADER	2	SI.2	2
		TE STAF A RATE			
0.13Ι"Φx2					
NAIL SPA	IED IN				
OR DIAPH	RAGM	14 GAUGE	15 GA	NGE	
SCHEDUI @ 12" 0		@ 8" O.C.	@ 8"	0.C.	
@ 6" 0		@ 4" O.C.	@ 4"		
@ 4" <i>O</i>		@ 3" <i>O</i> .C.	@ 2"		
@ 3" 0		@ 3" <i>O</i> .C.	@ 2"		
@ 2" O	.C.	NONE	NOI	NE	
		TO HAVE 7/16" _LED WITH THE			
THE LON	IG DIME	ENSION OF THE	FRAMI	NG MEI	МB
	ER SPA	CING @ 2" O.C			
ABE	BRE		N SC		\supset
ABBREVIAT	<u>-10N</u>	r			
<u>ON SHEE</u>	<u>T</u>				
ACI		America American Insti			
ARCH			ect or A		
ASTM		ASTM Interna			
CONC		Society for	CONCR		
d			dep		
DBA		DEFOR	MED BA	AR ANG	CH
DBL.			DOVE		
DOUG FI	2	I			
EA f'c		Concrete	EAC		str
f'm		masonry wa			
IBC		Internation	al Build	ing Coa	de
L			LENG		
lbs		1 •	poun		
LSL LVL			ited Str ted Ver		
MAX			MAXIN		IL
MIN			MINIM		
MPH			Mile Per		
0.C.					
pf pg			roof sr ound sna		
pg		gro			

psf

psi

REINF

REQ'D

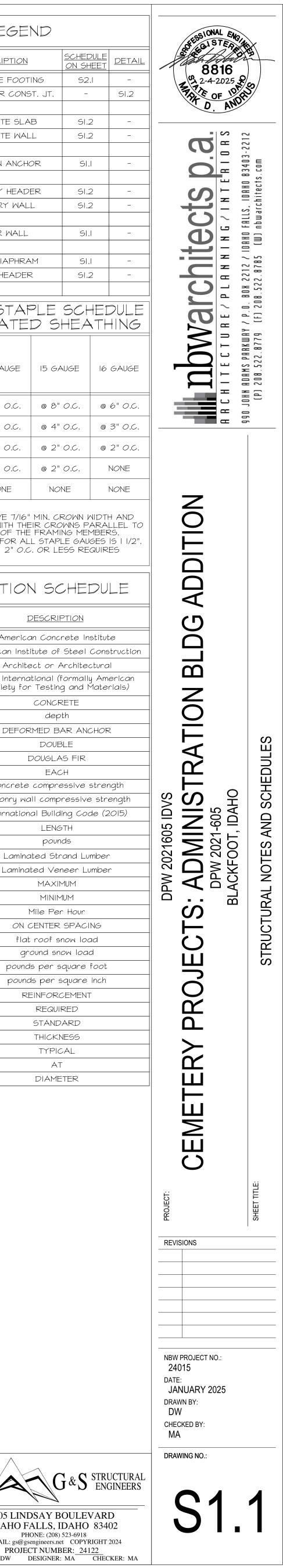
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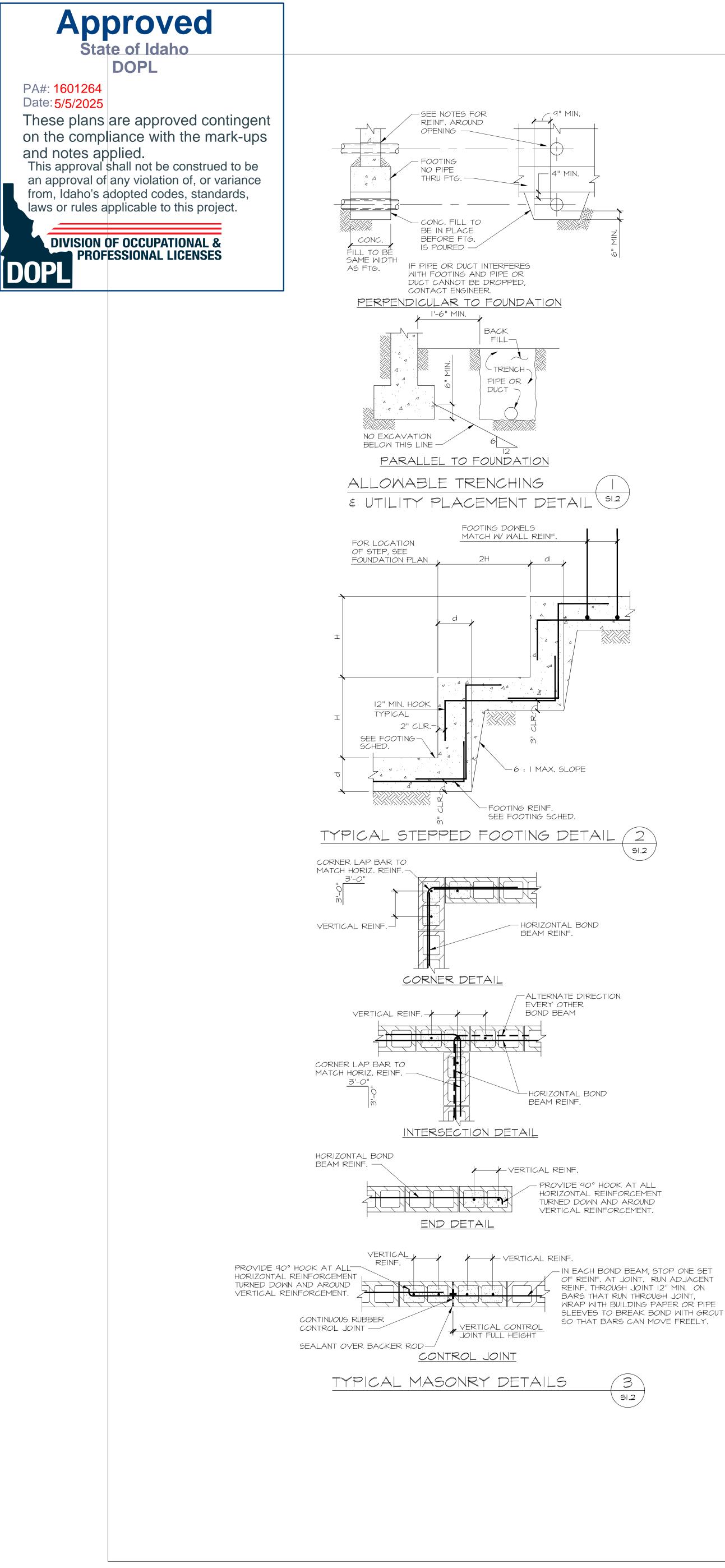
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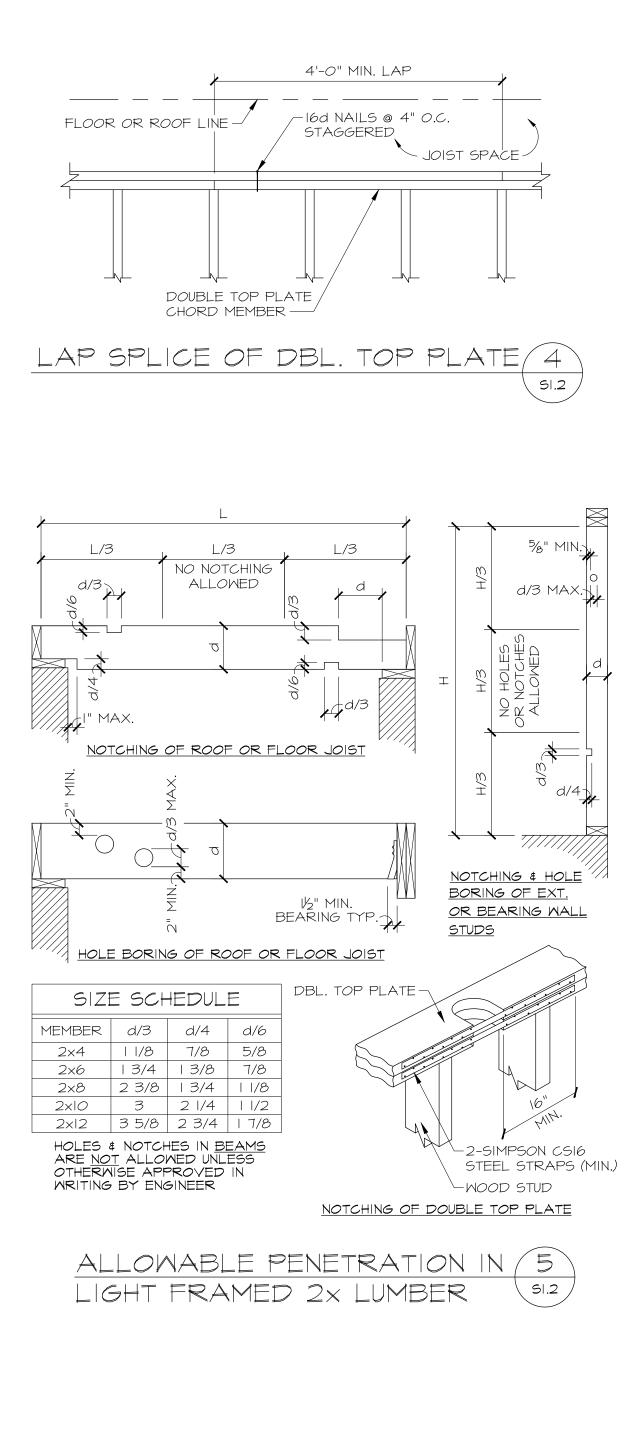
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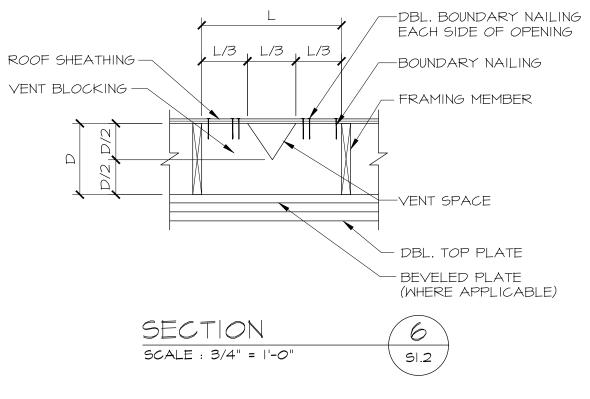
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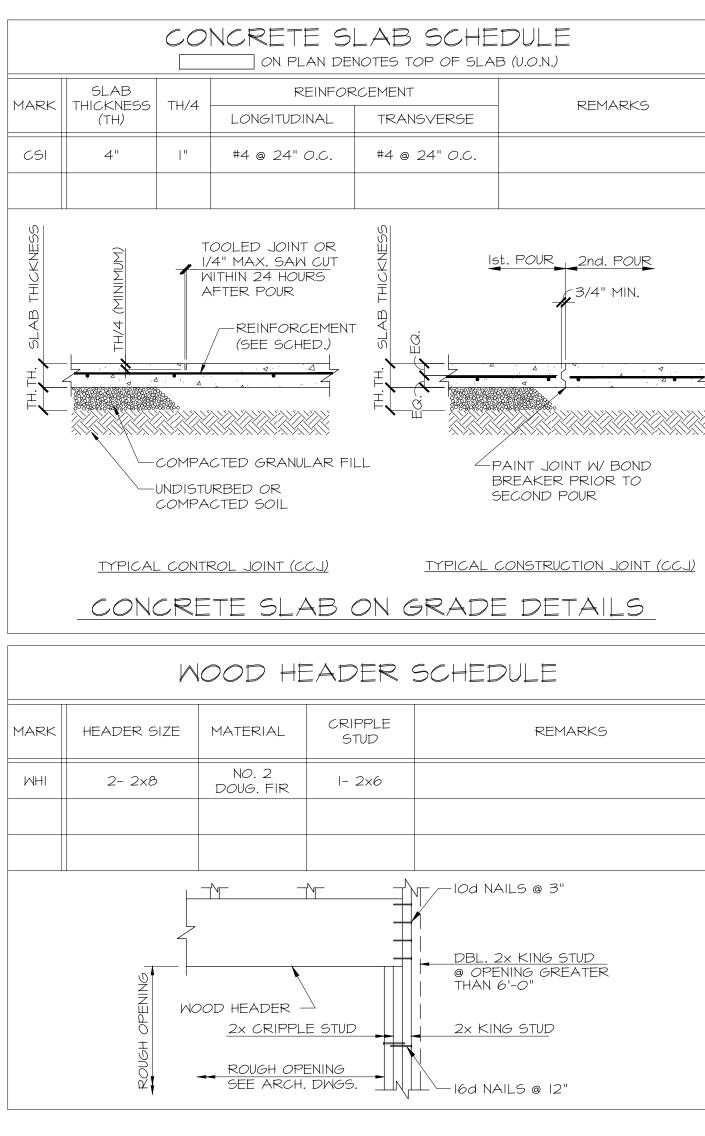
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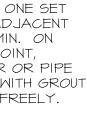




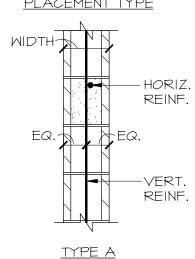




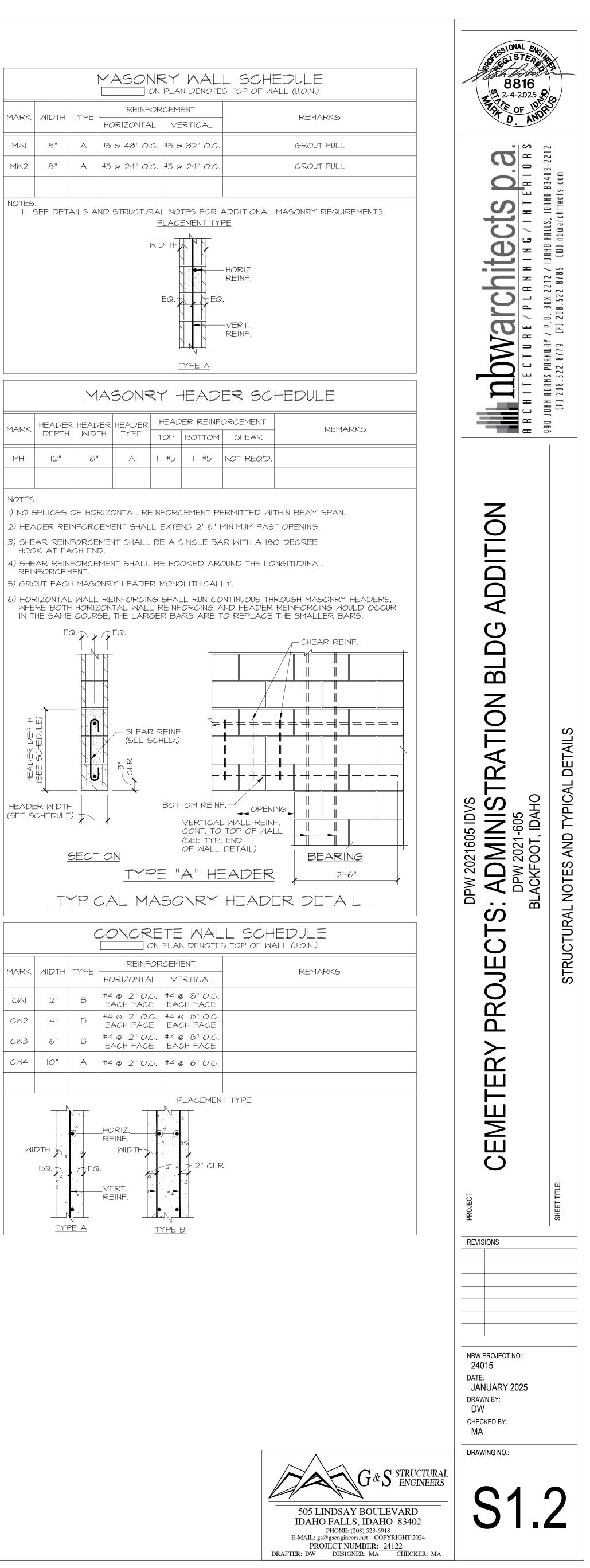


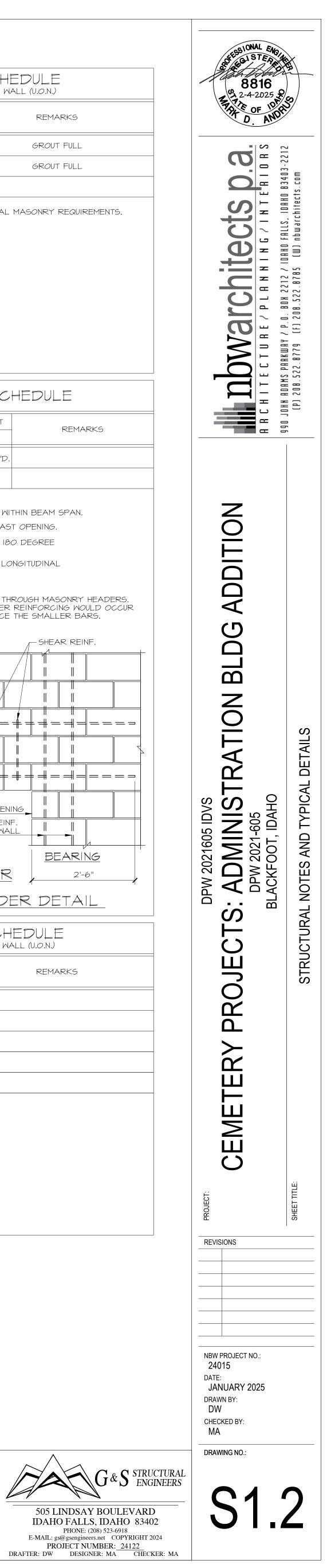


		3			L SCHEDULE s top of wall (U.O.N.)
MARK	WIDTH	TYPE	REINFOR	RCEMENT	REMARKS
			HORIZONTAL	VERTICAL	
MMI	8"	A	#5 @ 48" <i>O.</i> C.	#5 @ 32" O.C.	GROUT FULL
MW2	8"	A	#5 @ 24" <i>O.</i> C.	#5 @ 24" <i>O</i> .C.	GROUT FULL



MARK	HEADER		HEADER	HEAD	ER REINFO	ORCEMENT	REMARKS
	DEPTH	WIDTH	TYPE	тор	BOTTOM	SHEAR	REMARKS
MHI	12"	8"	A	- #5	I- #5	NOT REQ'D.	







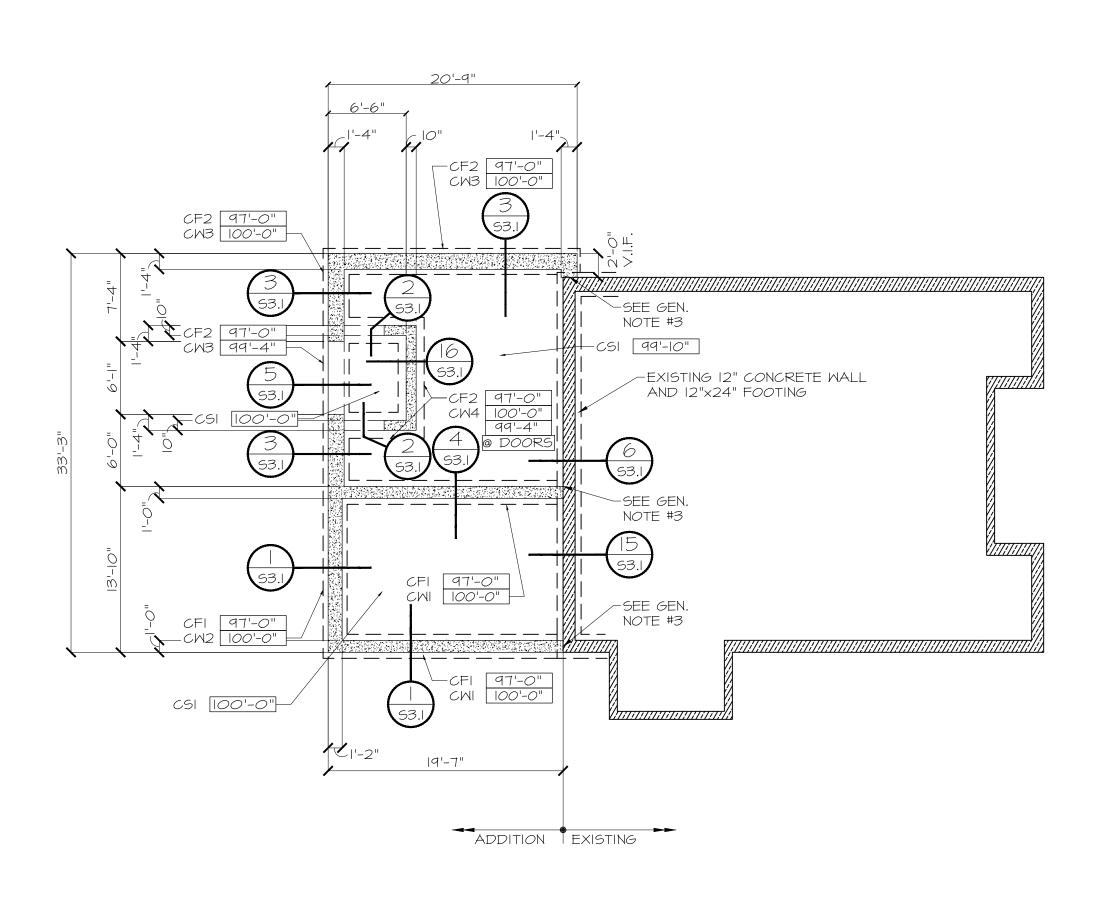
PA#: 1601264 Date: 5/5/2025

These plans are approved contingent

on the compliance with the mark-ups and notes applied. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSES DOPL

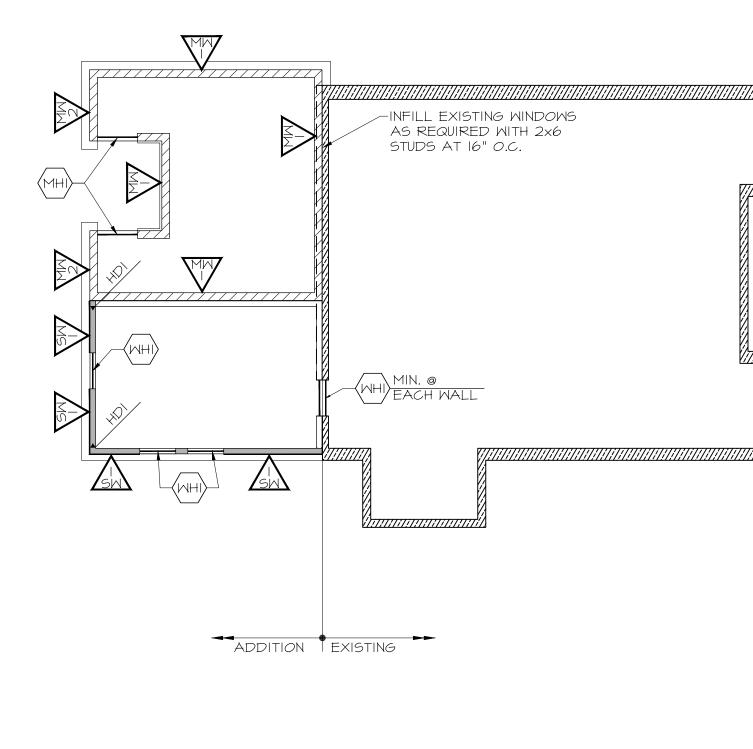
			DNC	RETE FOOTING SC	
MARK	DEDTU		LENGTH	REINFOR	RCEMENT
MARK	DEPTH	MIDIH	LENGIA	LONGITUDINAL	TRANSVERSE
CFI	12"	2'-0"	CONT.	3- #4 CONT.	-
CF2	12"	2'-2"	CONT.	3- #4 CONT.	_



FOUNDATION PLAN Scale: 1/8" = 1'-0"

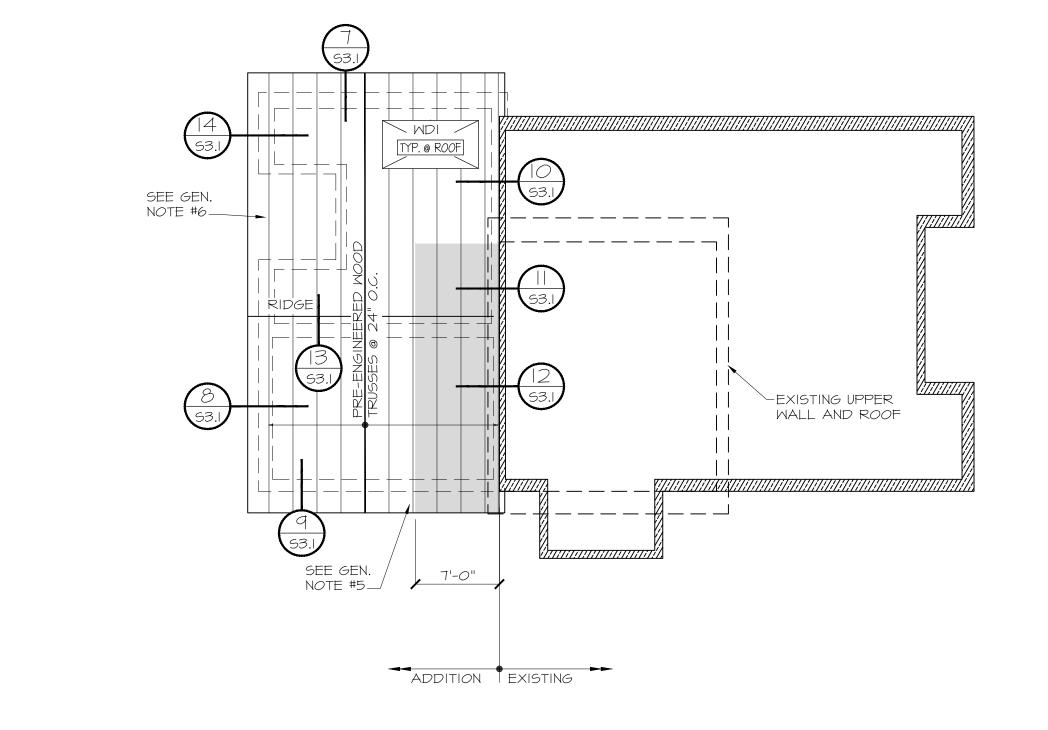
GENERAL NOTES

- I. For marked description items on Plan see legend on sheet SI.I.
- 2. See Architectural Drawings for dimensions and roof slopes not shown.
- 3. All horizontal rebar in walls and footings to be drilled and epoxied into existing foundation. Use Simpson AT-XP anchoring system ω/ 4 1/4" minimum embedment or equivalent.
- 5. Design trusses for an additional 35 psf snow drift load at shaded area.
- 6. Design Gable wall truss to span over wall opening without continuous wall support below @ door.



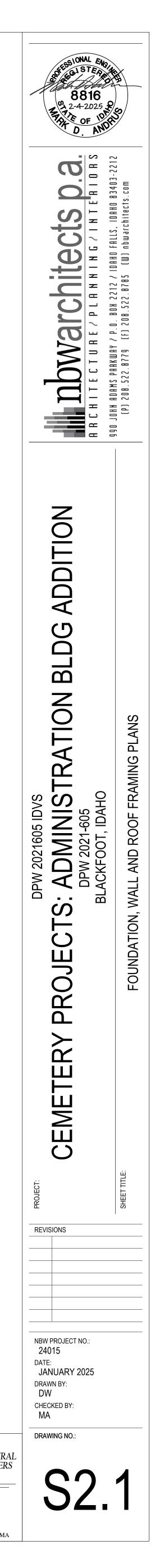
 $\frac{\text{MALL FRAMING PLAN}}{\text{SCALE: } |/8" = |'-0"}$

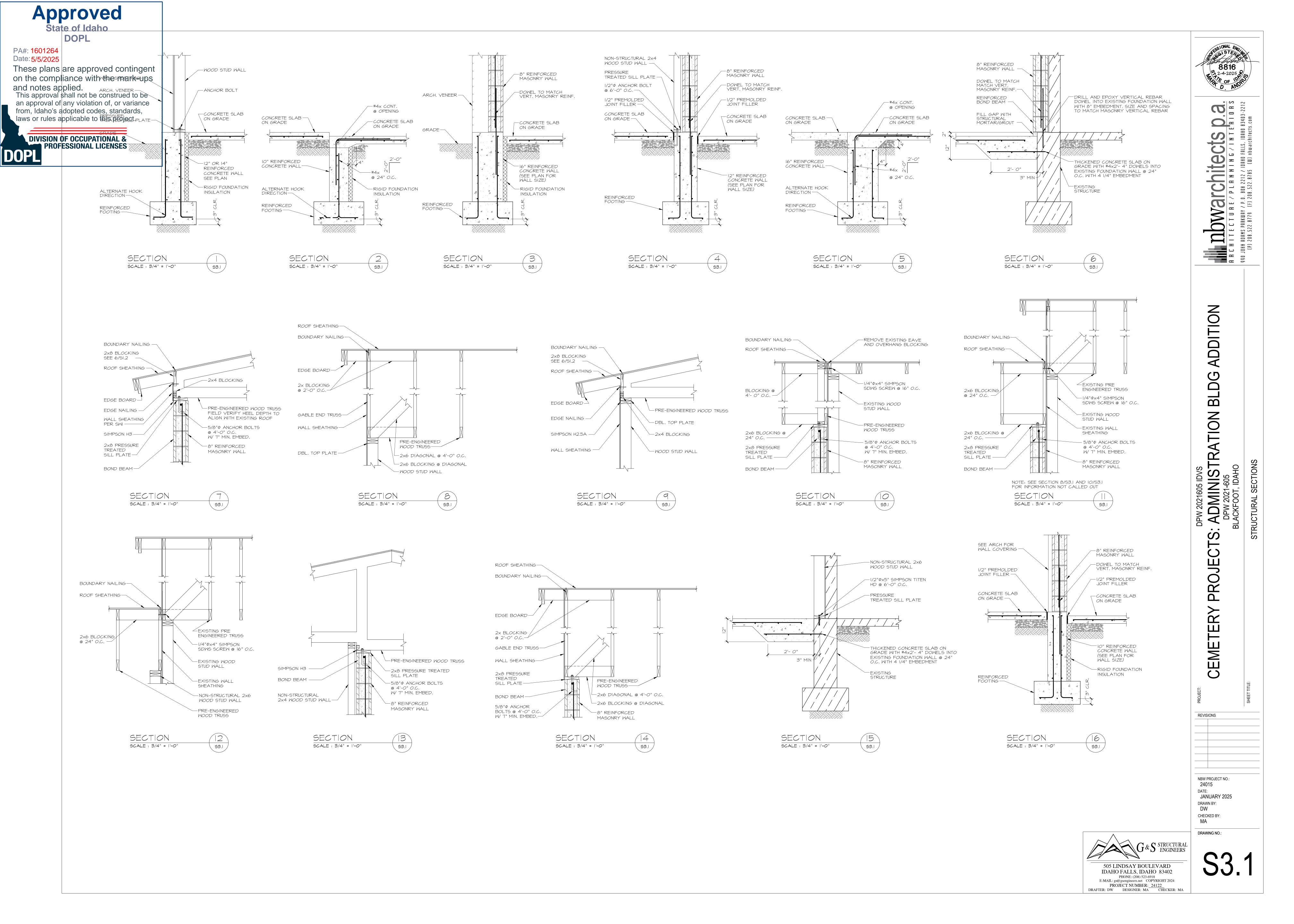
CONTRACTOR'S NOTE VERIFY ALL DIMENSIONS AND ELEVATIONS WITH EXISTING PRIOR TO THE START OF CONSTRUCTION

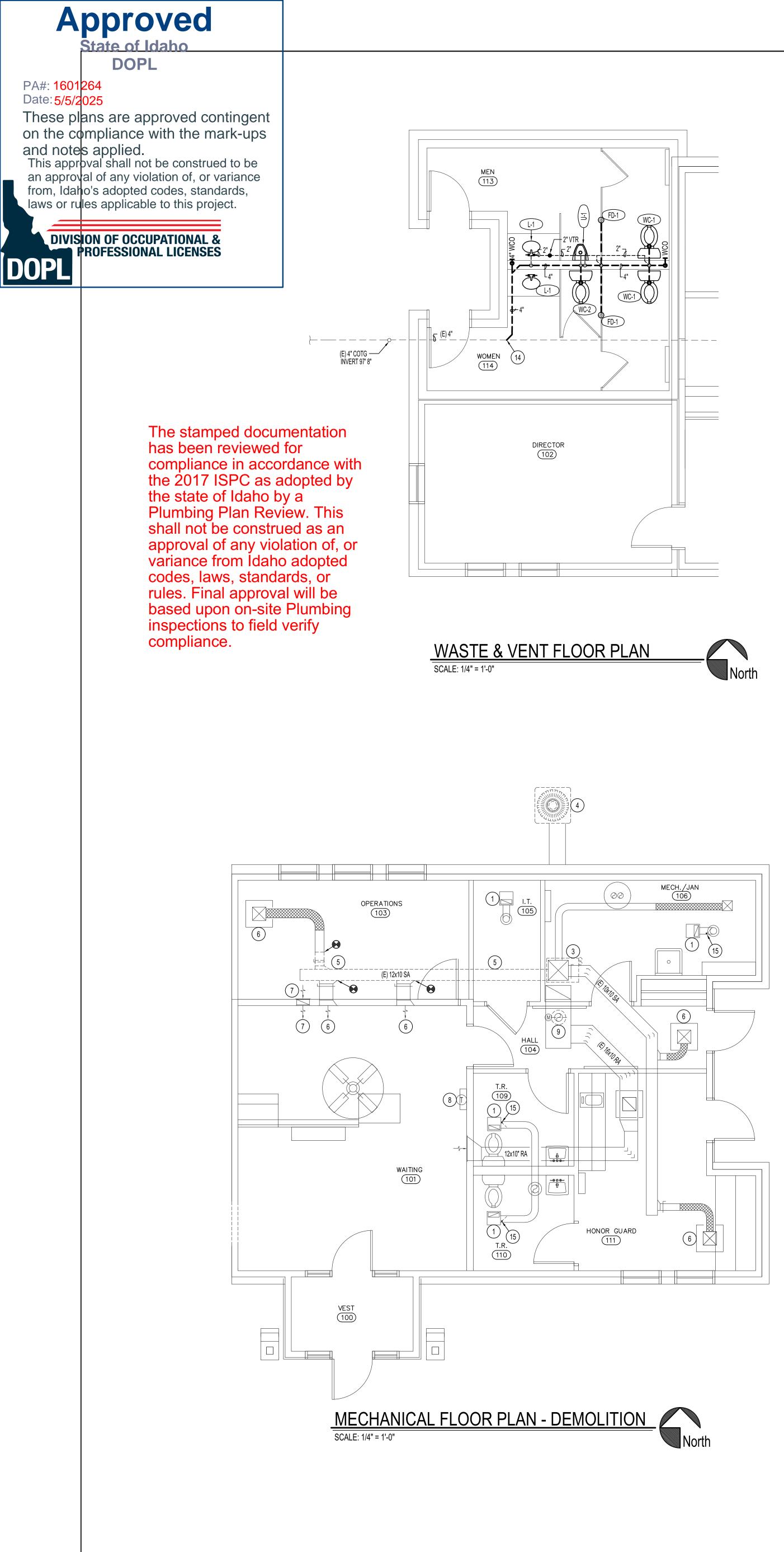


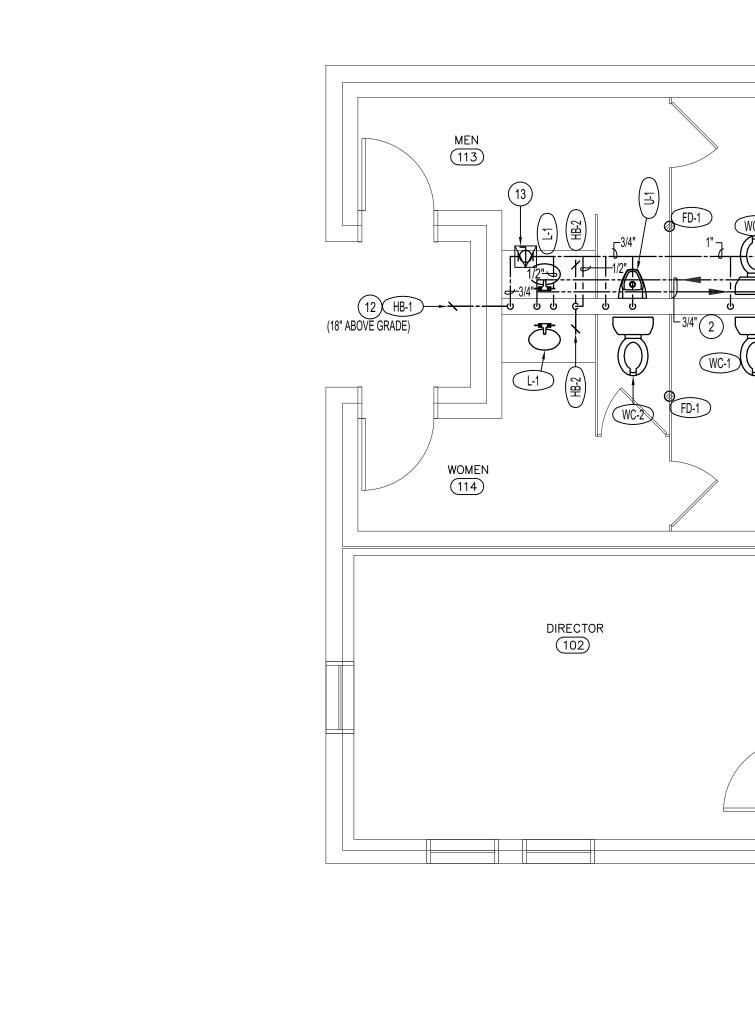


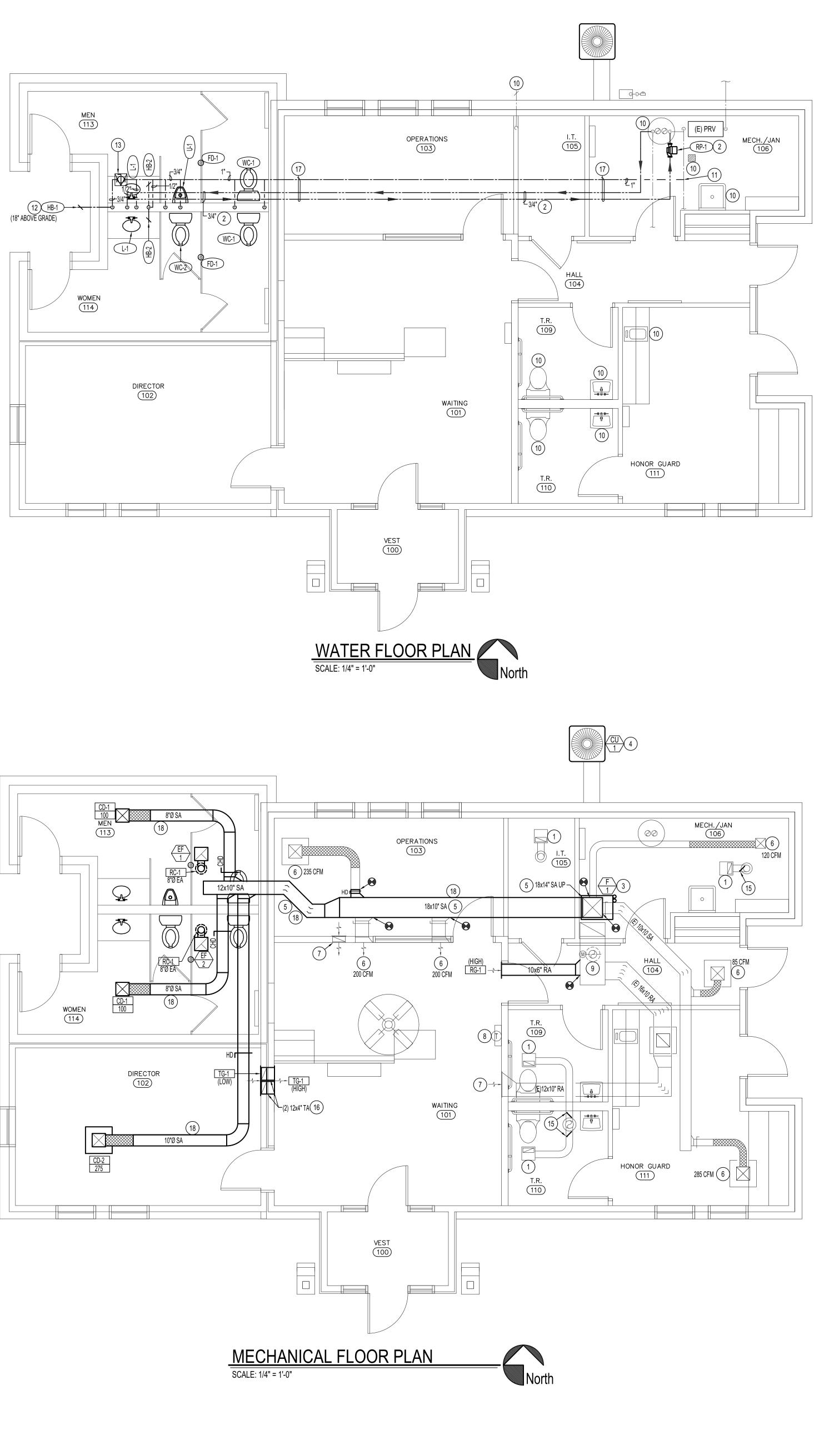










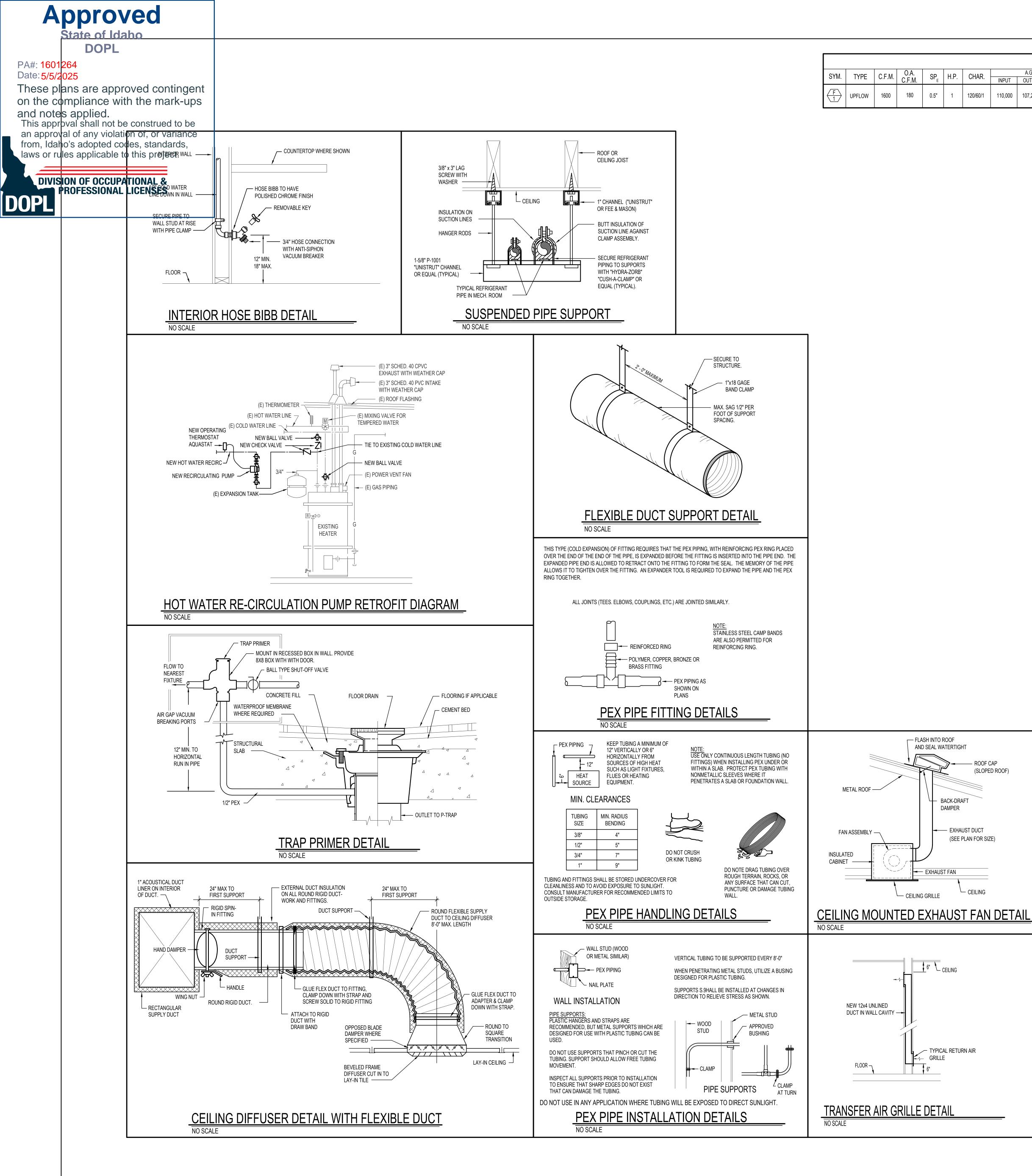


1 PL	AN NOTES: EXHAUST FAN TO REMAIN. PR	OTECT DURING CONSTRUC	21
2	PROVIDE AND INSTALL HOT W RECIRC. PUMP. ROUTES AS SI CLARITY. HOT WATER LOOP T FIELD VERIFY EXISTING CONE	HOWN ON PLANS ARE FOR O BE WITHIN 2 FT OF FIXTU	
3	REMOVE EXISTING FURNACE DISCONNECT AND RE-CONNE AND FLUES AS REQUIRED. CO DISCONNECT AND RE-CONNE RETURN EXISTING FURNACE	CT DUCTWORK, REFRIGER ORDINATE WITH PLUMBIN CT GAS AND CONDENSATE	3
4	REMOVE EXISTING CONDENS PUMP DOWN REFRIGERANT A CONTRACTOR OPTION ON TH PIPING INFORMATION.	ND PROPERLY DISPOSE OF	Ξ.
5	REMOVE EXISTING DUCTWOR NEW.	K AS SHOWN AND REPLAC	E
6	EXISTING DIFFUSER TO REMA ON PLANS.	IN. BALANCE TO CFM AS IN	D
7	EXISTING RETURN/TRANSFER DURING CONSTRUCTION.	GRILLE TO REMAIN. PROTI	Ξ
8	EXISTING THERMOSTAT TO RI NECESSARY FOR NEW FURNA		
9	EXISTING 8"Ø OUTSIDE AIR DU MOTORIZED DAMPER AND RO OUTSIDE AIR TO 180 CFM. FIE	OF CAP TO REMAIN. BALAN	IC
(10)	EXISTING FIXTURE TO REMAIN CONSTRUCTION.	N. PROTECT DURING	
(11)	TIE 1 INCH COLD WATER LINE EQUIVALENT IN THIS MECHAN		
(12)	SLOPE 3/4" WATER LINE IN DIF FOR WINTERIZATION.	RECTION OF HOSE BIBB TO	D
(13)	PROVIDE AND INSTALL SHUTC 12x12" LOCKABLE ACCESS BO BIBB".		
(14)	TIE NEW WASTE LINE TO NEA APPROXIMATE LOCATION. FIE) -
(15)	REMOVE EXISTING BACKDRAF FAN. INSTALL NEW BACKDRAF GASKET AS CLOSE TO ROOF	T DAMPER WITH NEOPREN	IE
(16)	EXISTING CONDITIONS.		
(17)	WALL CAVITY.		
(18)	THE INSULATION WITHIN BUIL	DING ENVELOPE.	
	INSTALL DUCTWORK ABOVE T INSULATION WITHIN BUILDING 3" OF DUCT WRAP INSULATION BUILDING ENVELOPE.	ENVELOPE IF POSSIBLE. P	R
6			
	ONTRACTOR ONTRACTOR TO VERIFY EXIST		
R C	EFRIGERANT PIPING. IF PIPING ONDITION WITH NO LEAKS, COI	S IS FOUND TO BE IN GOOD NTRACTOR CAN RE-USE	
E P	XISTING PIPING INSTEAD OF IN XISTING PIPING IS RE-USED, CO URGE LINES USING RX-11 CLEA	ONTRACTOR MUST CLEAN A	
U	454B/R32 REFRIGERANT IS INS NITS AND COILS CONNECTED. I RESSURE AND DEMONSTRATE	EXISTING LINES MUST HOLI	D
	YSTEM.		
G	ENERAL NOT	ES:	-
	THE CONTRACTOR SHALL CHE AND CONNECTIONS ON THE JO EXECUTED FROM MEASUREME	B SITE. ALL WORK SHALL E	
	THE MECHANICAL CONTRACTO INSURE PROPER CODE CLEARA MECHANICAL ACCESS WHEN IN SUPPLIED BY THE MECHANICAI	ANCES FOR ELECTRICAL AN ISTALLING ANY EQUIPMENT	١C
	IT IS CRITICAL THAT THIS CONT EQUIPMENT LOCATIONS WITH F CONDUIT AND BUILDING STRUC COMPLIANCE.	PIPING, DUCTWORK, ELECT	R
D-	CEILING DIFFUSERS ARE SHOW REFER TO LIGHTING PLANS AN EXACT LOCATIONS.		
	DUCT DIMENSIONS CALLED OU AREA DIMENSIONS. ACOUSTIC TO OVERALL MEASUREMENTS.	AL DUCT LINER ARE TO BE	
		Engine	



ESA JOB NUMBER:

JCTION. DOP AND R FURE. RATION, NG TO 'E.	
VITH NEW. DF. SEE ANT CE WITH INDICATED TECT S ED ANCE DITIONS.	CHITECTURE/PLANNING CONTROLS D.A. CHITECTURE/PLANNING/INTERIORS ONN RDRMS PARKWAY / P.D. BOX 2212 / IDRHD FALLS, IDRHD 83403-2212 (P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com
ACE WITH E HOSE	TERY PROJECTS: ADMINISTRATION BLDG ADDITION DPW PROJECT NO. 2021-605 BLACKFOOT, IDAHO PLUMBING/MECHANICAL FLOOR PLAN
D = I AND NSING ILD IT NSIONS BE	PROJECT: SHEET TITLE: BREATINE:
- BE .E TO AND NT	
CTRICAL	NBW PROJECT NO.:
ATIONS. AN FOR IDE FREE	20026 DATE: JANUARY 2025 DRAWN BY: TD
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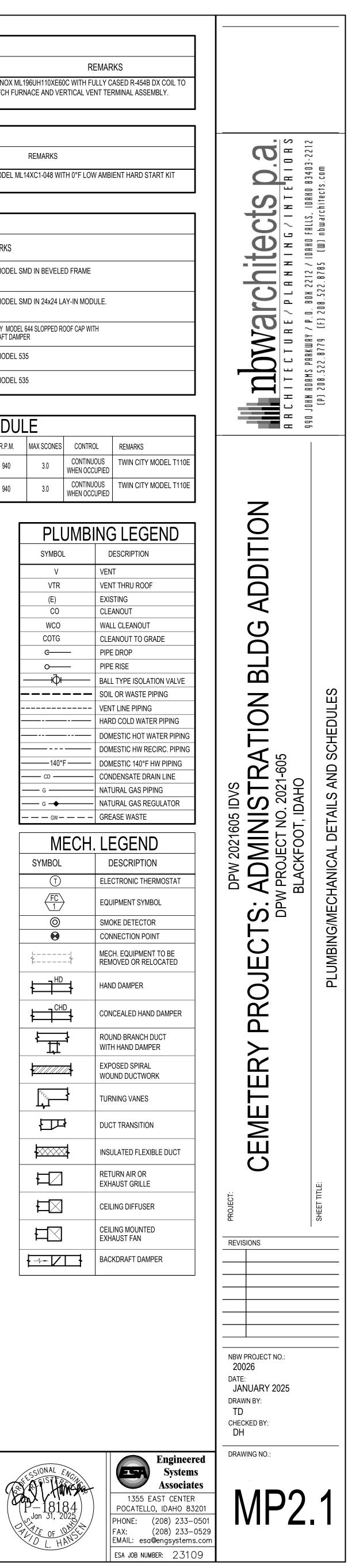
Г											FURI	NACE	E AN[) DX (2001	ING	COI	L SCI	HEDU	LE				
SY	′M.	TYPE	C.F.M.	O.A. C.F.M.	SP_{E}	H.P.	CHAR.	INPUT	A.G.A. OUTPUT	@ ELEV.	E.A.T.	L.A.T.	GAS TYPE	B.T.U.	DX COOL E.A.T.	ING COIL L.A.T.	MAX. P.D.	LIQUID	SUCTION	PIPING C.D.	SIZES NAT GAS	INTAKE	EXHAUST	REMARKS
F 1	\rightarrow	UPFLOW	1600	180	0.5"	1	120/60/1	110,000	107,200	87,900	65°F	105°F	NAT	48,000	75°F	55°F	.25"	SEE C. UNIT SCHED.	SEE C. UNIT SCHED.	3/4"	3/4"	2" PVC		LENNOX ML196UH110XE60C WITH FULLY CASED R-454B DX COIL TO MATCH FURNACE AND VERTICAL VENT TERMINAL ASSEMBLY.

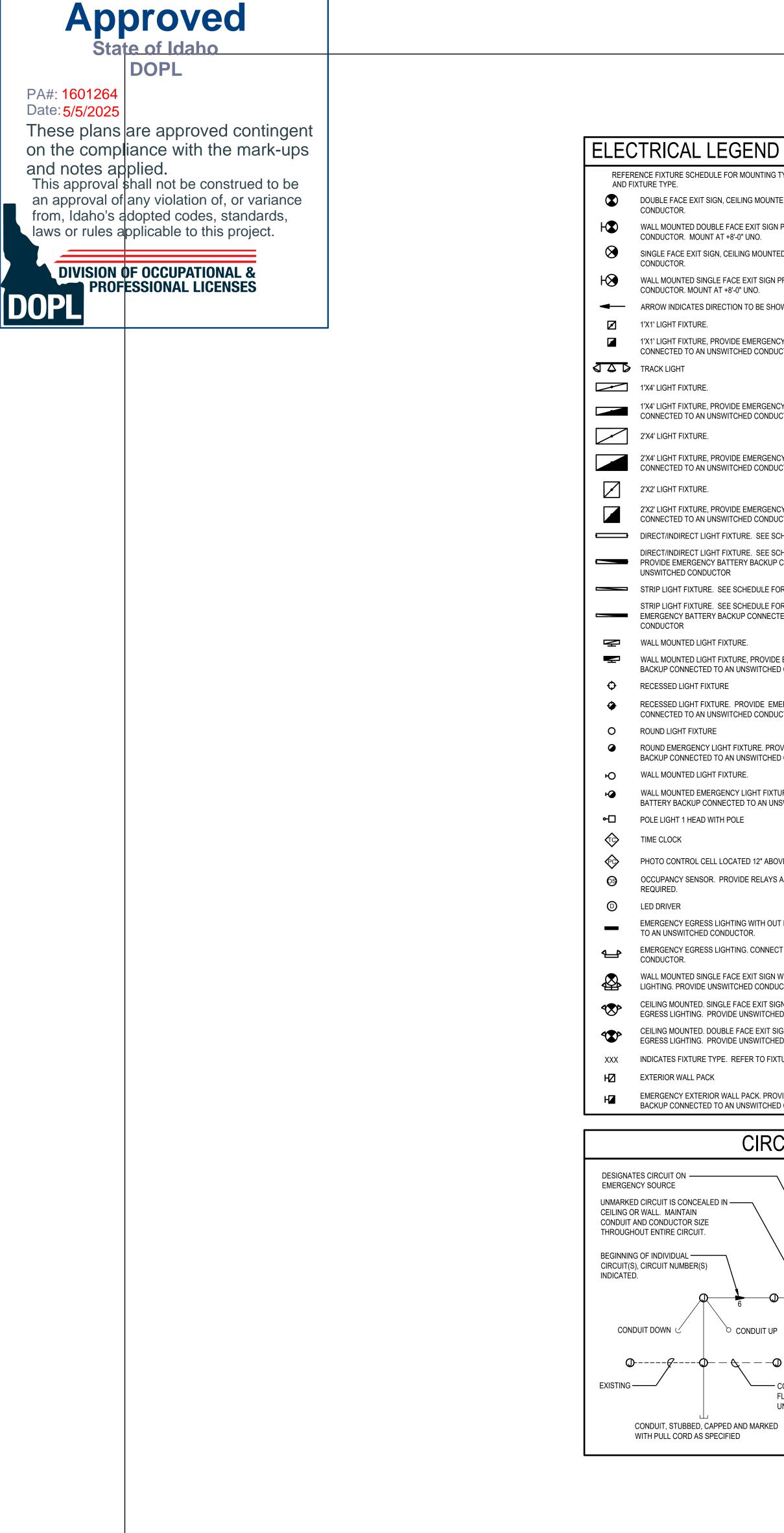
									T O O I I		
				CC)ND	ENS	ING	UNI	T SCHI	EDULE	
SYM.	BTU	EAT	CHAR.	MCA	MOCP	SEER	REFR.	WEIGHT	- PIPE	SIZING*	REMARKS
CU 1	48,000	95°F	208/60/1	24.8	40	13.0	R-454B	218 lbs	3/8"	7/8"	LENNOX MODEL ML14XC1-048 WITH 0°F LOW AMBIENT HARD START KIT
*SEE MAN	JFACTUREF	R SIZING RE	ECOMMENDATI	ONS FOR REF	RIGERAN	IT PIPING I	OR ACTL	JAL INSTAI	LLED LENGTH	of Piping.	
				G	RILL	e ani	D RE	GISTE	ER SCH	EDULE	
SYM.	T	(PE	SIZE	CFM RANGE		THROW ATTERN	CON	ISTR.	FINISH	MAX NC	REMARKS
CD-1 CFM	CEI	ILING	9x9	100			ST	EEL	WHITE	20	PRICE MODEL SMD IN BEVELED FRAME
CD-2 CFM	CEI	ILING	9x9	275			ST	EEL	WHITE	20	PRICE MODEL SMD IN 24x24 LAY-IN MODULE.
RC-1		OOF CAP	8"Ø	140		NA	AL	UM	ALUM	N/A	TWIN CITY MODEL 644 SLOPPED ROOF CAP WITH BACKDRAFT DAMPER
RG-1		TURN Rille	10x8	150-200		NA	AL	UM	ALUM	20	PRICE MODEL 535
TG-1		NSFER RILLE	28x8	200-400		NA	AL	UM	ALUM	20	PRICE MODEL 535

			ΕX	XHAL	JST F	AN SCH	HEDUL	.E		
SYM.	TYPE	C.F.M.	S.P.E.	WATTS	WEIGHT	CHAR.	R.P.M.	MAX SCONES	CONTROL	REMARKS
(EF) 1	CEILING MOUNTED	MIN 100	0.25	8.4	N/A	120/60/1	940	3.0	CONTINUOUS WHEN OCCUPIED	TWIN CITY MODEL T11
EF 2	CEILING MOUNTED	MIN 100	0.25	8.4	N/A	120/60/1	940	3.0	CONTINUOUS WHEN OCCUPIED	TWIN CITY MODEL T110

	FIXTURE SCHED)UL	E			PLU
SYM.	DESCRIPTION	НОТ	COLD	WASTE	VENT	SYMBOL
FD-1	2" FLOOR DRAIN WITH TRAP PRIMER - ZURN Z-415B WITH 5"Ø NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP WITH ZURN 1022 TRAP PRIMER. SEE DETAIL ON THIS SHEET.		1/2"	2"	2"	V VTR (E)
HB-1	EXTERIOR HOSE BIBB - ZURN Z-1310 "ECOLOTROL" WITH REMOVABLE KEY, VACUUM BREAKER AND AUTOMATIC DRAIN. LENGTH TO SUIT WALL THICKNESS.		3/4"			CO WCO COTG
HB-2	INTERIOR HOSE BIBB - WOODFORD MODEL 24P-1/2 WITH VACUUM BREAKER AND REMOVABLE CHROME TEE HANDLE. REFER TO DETAIL ON THIS SHEET FOR TYPICAL INSTALLATION.		1/2"			 ₽
L-1	ADA COUNTERTOP LAVATORY - KOHLER MODEL K-2209-0 "CAXTON" UNDERMOUNT SINK WITH SLOAN EBF-85 OPTIMA BATTERY AUTO 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"	1-1/2"	
RP-1	HOT WATER RECIRC. PUMP - B&G SERIES LR-20BF 'LITTLE RED' WITH 3 GPM FLOW AT 8' HEAD AND 3/4" LINE CONNECTIONS. MOUNT NEAR WATER HEATER. REFER TO DETAIL FOR TYPICAL PIPE CONNECTION.	3/4"				140°F cd
U-1	ADA WALL MOUNTED URINAL - KOHLER K-5016-ET "DEXTER" WITH WALL CARRIER & SLOAN REGAL 186 SFSM-0.5 BATTERY FLUSH VALVE. MOUNT AT ADA LEVEL.		3/4"	2"	2"	G
WC-1	ADA TANK TYPE WATER CLOSET - KOHLER K-3713 "HIGHLINE" W/ ELONGATED BOWL, LOCKABLE TANK LID, 1.28 GAL PER FLUSH TANK, WHITE OPEN FRONT SEAT, BOLT CAPS AND 1/2" STOP VALVE. LEFT OR RIGHT FLUSH VALVE AS PER PLANS.		1/2"	4"	2"	SYMBOL T
WC-2	TANK TYPE WATER CLOSET - KOHLER K-3575 "WELLWORTH" W/ ELONGATED BOWL, LOCKABLE TANK LID,1.28 GAL PER FLUSH TANK, WHITE OPEN FRONT SEAT, BOLT CAPS AND 1/2" STOP VALVE.		1/2"	4"	2"	(FC) 1 (O)

1100	
COTG	CLEANOUT TO GRADE
G	PIPE DROP
o	PIPE RISE
<u> ф </u>	BALL TYPE ISOLATION VALVE
	SOIL OR WASTE PIPING
	VENT LINE PIPING
	HARD COLD WATER PIPING
	DOMESTIC HOT WATER PIPIN
	DOMESTIC HW RECIRC. PIPIN
140°F	DOMESTIC 140°F HW PIPING
CD	CONDENSATE DRAIN LINE
G	NATURAL GAS PIPING
G	NATURAL GAS REGULATOR
— — — GW — — — —	GREASE WASTE
MECH.	LEGEND
SYMBOL	DESCRIPTION
(]	ELECTRONIC THERMOSTAT
FC 1	EQUIPMENT SYMBOL
0	SMOKE DETECTOR
$\mathbf{\Theta}$	CONNECTION POINT
L	MECH. EQUIPMENT TO BE REMOVED OR RELOCATED
	HAND DAMPER
	CONCEALED HAND DAMPER
	ROUND BRANCH DUCT WITH HAND DAMPER
	EXPOSED SPIRAL WOUND DUCTWORK
	TURNING VANES
	DUCT TRANSITION
	INSULATED FLEXIBLE DUCT
FT Z	RETURN AIR OR EXHAUST GRILLE
₽	CEILING DIFFUSER
FT S	CEILING MOUNTED EXHAUST FAN
	BACKDRAFT DAMPER
	1





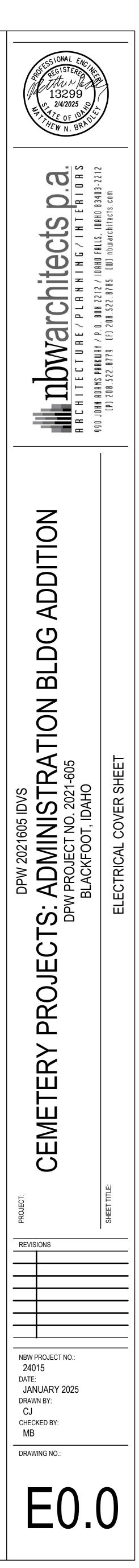
TYPE, MOUNTING HEIGHT,	DEVICES	ONE LINE
I	SX SWITCH, TYPE AS INDICATED. +46"AFF	
ED, PROVIDE UNSWITCHED	2 DOUBLE POLE 3 3-WAY 4 4-WAY	DELTA WYE TRANSFORMER UNO
PROVIDE UNSWITCHED	K KEYED P PILOT LIGHT	
D PROVIDE UNSWITCHED	D DIMMER HP HORSEPOWER RATED	PAÑEL NAME PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE VOLTAGE
	TO THERMAL OVERLOAD LV LOW VOLTAGE OS OCCUPANCY SENSOR	PHASE
ROVIDE UNSWITCHED	OR LOW VOLTAGE, MOMENTARY OVERRIDE VS VACANCY SENSOR	
VN ON SIGN.	a SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER	$\int \frac{\#}{\#P} \frac{\#}{\#P} CIRCUIT BREAKER, SIZE AND POLES INDICATED$
Y BATTERY BACKUP	S DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.	##A FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE
TOR.	\$ ² _{OS} DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND	
	OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY. OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50%	##A INTERRUPTER SWITCH, SIZE AND POLES INDICATED
BATTERY BACKUP	AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING. SINGLE CONVENIENCE OUTLET, +18" AFF UNO	
OR.	FLOOR MOUNT SINGLE CONVENIENCE OUTLET	
	DUPLEX CONVENIENCE OUTLET, +18" AFF UNO	##A FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED
BATTERY BACKUP OR.	FLOOR MOUNT DUPLEX CONVENIENCE OUTLET	
	EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO	##A DRAW OUT CIRCUIT BREAKER, SIZE AND POLES INDICATED
BATTERY BACKUP	SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO	
or. Edule for length.	FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET	INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES
EDULE FOR LENGTH.	USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO	###A #P
DNNECTED TO AN	USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO	
LENGTH.	FOURPLEX CONVENIENCE OUTLET. +18"AFF UNO	INDIVIDUAL BREAKER, SIZE AND POLES INDICATED. NEMA 1 UNO
LENGTH. PROVIDE TO AN UNSWITCHED	FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET	
	CONNECTION POINT TO EQUIPMENT SPECIFIED, ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE ENVIL ACCOUNT OF COMPANY AND CONDUCTORS AND MAKE	GFP GROUND FAULT PROTECTION
	FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO	SPD SURGE SUPPRESSION DEVICE
CONDUCTOR.	REQUIREMENTS	LSIGR — ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS):
GENCY BATTERY BACKUP	FLOOR MOUNTED JUNCTION BOXJUNCTION BOX	(PER SPECIFICATIONS): 'L'-LONG TIME 'S'-SHORT TIME
OR.	WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO	S-SHORT TIME 'I'-INSTANTANEOUS 'G'-GROUND FAULT
DE EMERGENCY BATTERY	WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO	'R'-ENERGY REDUCING MAINTENANCE SWITCH W/STATUS INDICATOR
ONDUCTOR.	WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO	GROUND
E. PROVIDE EMERGENCY	MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED	ST SHUNT TRIP COIL
VITCHED CONDUCTOR.	COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED, NEMA 1 UNO	M MOTOR
	FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED,	100A 3P DISCONNECT SWITCH, SIZE AND POLES INDICATED. NEMA 1 UNO
	NEMA 1 UNO	
ROOF FACING NORTH.	THERMOSTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS	OVERHEAD SERVICE DROP
	(unit#) REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15.	###A/3P
FIXTURE HEADS. CONNECT	(unit#) HUMIDISTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS.	GENERATOR SET, MAIN BREAKER SIZE INDICATED
	POWER POLE - DUAL CHANNEL	AUTOMATIC TRANSFER SWITCH (ATS)
TO AN UNSWITCHED	REB RECESSED ENTERTAINMENT BOX	METER AND BASE
TH EMERGENCY EGRESS OR. MOUNT AT +8'-0" UNO.	T TRANSFORMER	
WITH EMERGENCY	PANELBOARD. SEE SCHEDULE FOR TYPE. EQUIPMENT CABINET, SURFACE MOUNTED	N NEUTRAL
CONDUCTOR.	EQUIPMENT CABINET FLUSH MOUNTED	T DRY TYPE TRANSFORMER
CONDUCTOR.		PAD MOUNT TRANSFORMER
RE SCHEDULE.	$\begin{pmatrix} \# \\ \# \\ \# \end{pmatrix}_{\#}^{\#}$ MECHANICAL EQUIPMENT CALL OUT	
E EMERGENCY BATTERY ONDUCTOR	# KITCHEN EQUIPMENT CALLOUT	
UITING SYMB	OLS	SECURITY
	CURRENT CARRYING CONDUCTORS	
\backslash	NEUTRAL CONDUCTORS	
\backslash	GROUNDING CONDUCTOR	ADJUSTABLE CAMERA (PAN/TILT/ZOOM)
\backslash		
$\langle \rangle$	PANEL NAME	
		ADJUSTABLE CAMERA (PAN/TILT/ZOOM) IN OUTDOOR HOUSING
——————————————————————————————————————		CCTV OUTLET, +18" UNO
PANEL H	OMERUN. (3/4"-2#12,1#12G CONDUCTORS UNO)	CEILING MOUNTED CCTV OUTLET
	1"-4#10,1#10G	K SECURITY SYSTEM KEYPAD CONTROLLER COORDINATE BOX SIZE AND
RACEW		MUDRING WITH VENDOR CR CARD READER
	QUANTITY	CEILING MOUNTED MOTION SENSOR
NCEALED IN DOR OR NOTE		→ ^{±80} "
DNCEALED IN OOR OR <u>NOTE:</u> IDERGROUND EDISON STYL	E SHARED NEUTRAL CONDUCTORS ARE NOT ALLOWED.	WALL MOUNTED MOTION SENSOR, MOUNTING HEIGHT INDICATED
DNCEALED IN DOR OR DERGROUND EDISON STYL EACH 1 POLE	E SHARED NEUTRAL CONDUCTORS ARE NOT ALLOWED. BREAKER SHALL BE FURNISHED WITH AN INDIVIDUAL IEUTRAL CONDUCTOR.	WALL MOUNTED MOTION SENSOR, MOUNTING HEIGHT INDICATED



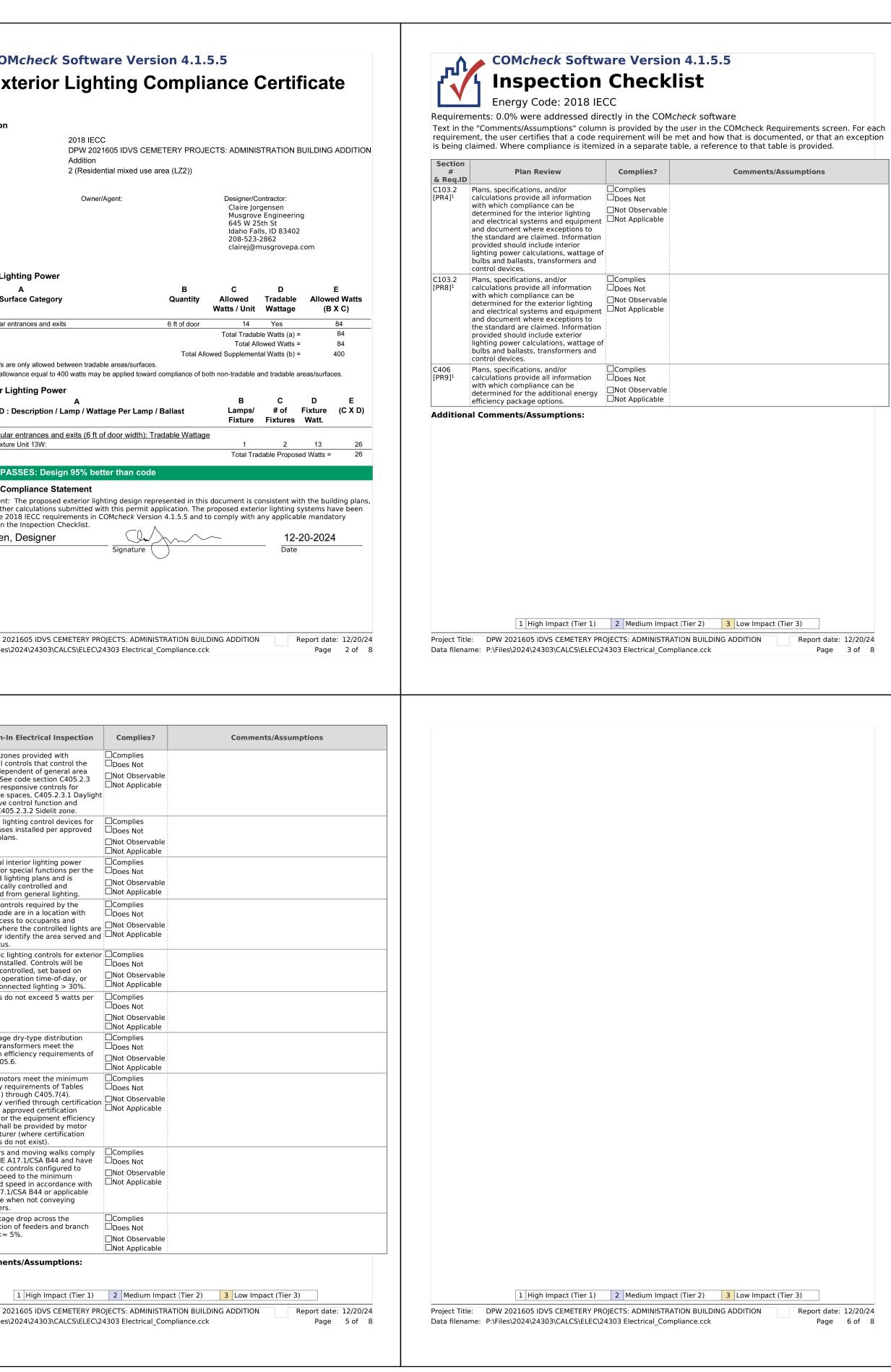
		ELECTRICAL	ELECT
	A	BBREVIATIONS	A. THESE ELECTRI
A AC AFF		RES DVE BACKSPLASH E FINISHED FLOOR	THE ELECTRICA EQUIPMENT ANI PLUMBING DIVIS ARCHITECTURA
AFG		E FINISHED GRADE	WORK THAT IS F B. ALL CONDUIT AI
AF AIC		INTERRUPTING CAPACITY	B. ALL CONDUIT AI WITHIN DEDICA MOUNTED RACE
AT ATS AWG		RIP MATIC TRANSFER SWITCH ICAN WIRE GAUGE	ARCHITECT FOR APPROVED, UTI
BD	BOTT	DM OF DECK	RACEWAYS PAI
BS C	CEILIN	OM OF STRUCTURE	C. REFER TO ARCH SPECIFIC OUTLE LEGEND FOR TH
Ċ CB CF		JIT BREAKER	ELEVATIONS OF
CKT	CIRCL	ACT FLUORESCENT JIT	D. PROVIDE PULL-I
CO CT CTL		UIT ONLY, PROVIDE PULL-LINE ENT TRANSFORMER	E. TERMINATE ALL
DC	DIREC	T CURRENT	COORDINATE EX ROUGH-IN.
(D) DEMO DET	DEMO DETAI		G. ALL NON-LOCKI
DTT E		LE TWIN TUBE GENCY	TAMPER-RESIS
(E) EC EL	EXIST ELEC1		
F (F) FACP	FUSE FUTUF FIRE A	RE ALARM CONTROL PANEL	C
G/GND GFCI GFI	GROU GROU GROU	ND ND FAULT CIRCUIT INTERRUPTER ND FAULT INTERRUPTER	JUNCT A.F.F. U PLATE.
HH HID		NTENSITY DISCHARGE	#D,#T TELEPI ▼ CONDU
HOA HPS HVAC	HIGH	-OFF-AUTO PRESSURE SODIUM NG, VENTILATION, & AIR CONDITIONING	DATA (; DATA F INDICA
IG IPCO	IDAHC	TED GROUND) POWER COMPANY	FLOOR JUNCT TO NE/
J-BOX KA	JUNC	TION BOX	PLATE.
KVA KW KWH	KILOW	/OLT-AMP /ATT /ATT HOUR	#D,#T FLOOR TELEPI
LCP	LIGHT	ING CONTROL PANEL	PROVI
MB MBR MCC	MAIN	BREAKER CIRCUIT BREAKER R CONTROL CENTER	
MDP Mlo	MAIN MAIN	DISTRIBUTION PANEL LUGS ONLY	
MMC MH MSB	META MAIN 3	ILAR METERING CENTER L HALIDE SWITCH BOARD	HV VOLUM
MTG N	MOUN NEUTI	-	
(N) NC NEC		ALLY CLOSED NAL ELECTRICAL CODE	NEARE
NIC NL	NOT II	N CONTRACT LIGHT	
NO NTS		ALLY OPEN O SCALE	TTB TELEPI
OH OS	OVER OCCU	HEAD PANCY SENSOR	CT-XX CABLE
P PC PVC PWR		D-CONTROL /INYL CHLORIDE	
RE: REC (R)	RECE	RENCE PTACLE CATED	
(R) SF		RE FEET	
TBD TDR	-	DETERMINED DELAY RELAY	
TK TR	TOE K TAMP	ICK ER RESISTANT	
TSP TRT TTB (TYP.)	TRIPL	ED SHIELDED PAIR E TUBE PHONE TERMINAL BOARD AL	
UC UG U.N.O.	UNDE	RCABINET RGROUND SS NOTED OTHERWISE	
V VA		AMPERE	
W WG WP	WATT WIRE	GUARD	
<u>WP</u> PROVIE PROVIE	DED/	HER PROOF/NEMA 3R PROVIDE AND INSTALL / PROVIDED AND INSTALLED BY / PROVIDE AND INSTALL	
INSTAL INSTA	LED/		
NOT		THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.	

ELE	CTRICAL GENERAL NOTES					
THE ELE EQUIPM PLUMBI ARCHIT	ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, ECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL IENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND NG DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.					
WITHIN MOUNT ARCHIT APPRO	ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.					
SPECIFI LEGENE	TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE IC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL O FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON IONS OR ON AT THE DEVICES.					
D. PROVID	E PULL-LINE IN ALL EMPTY CONDUITS.					
E. TERMIN	ATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.					
	NICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. INATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO -IN.					
	N-LOCKING, 120-V, 15 AND 20-AMP RECEPTACLES SHALL BE LISTED R-RESISTENT RECEPTACLES PER NEC 406.12					
COMMUNICATIONS						
V	JUNCTION BOX FOR FUTURE TELEPHONE/DATA OUTLET. MOUNT AT 18" A.F.F. UNO. PROVIDE SINGLE-GANG MUD RING WITH BLANK COVER PLATE. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.					
#D,#T ▼	TELEPHONE/DATA OUTLET. MOUNT AT 18" A.F.F. UNO. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.					
T	FLOOR MOUNTED BOX FOR FUTURE TELEPHONE/DATA OUTLET. JUNCTION BOX WITH SINGLE-GANG MUD RING. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.					
#D,#T	FLOOR MOUNTED TELEPHONE/DATA OUTLET. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.					
IC	INTERCOM SYSTEM CALL BUTTON. +46" UNO.					
(SP)	CEILING MOUNTED SPEAKER WITH BACKBOX					
КР	WALL MOUNTED SPEAKER, WITH BACKBOX +80" UNO					
H∨	VOLUME CONTROL, +46" UNO					
\bowtie	TELEVISION OUTLET, +18" AFF UNO. PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE					
\Rightarrow	CEILING MOUNTED TELEVISION OUTLET					
TTB	TELEPHONE TERMINAL BOARD					
CT-XX	CABLE TRAY, 4" DEEP, WIRE BASKET STYLE, 'XX' INDICATES WIDTH PROVIDE ALL FITTINGS AND SUPPORT HARDWARE REQUIRED					

MUSGROVE ENGINEERING, P.A. 234 S. Whisperwood Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862 www.musgrovepa.com Project No. 24-303



Approve	d			
State of Idaho DOPL				
PA#: 1601264				
Date: 5/5/2025 These plans are approved	l contingent			
on the compliance with th and notes applied.	_			
This approval shall not be con				
an approval of any violation of from, Idaho's adopted codes,	standards,			1
laws or rules applicable to this		eck Software Version 4	4.1.5.5	
DIVISION OF OCCUPATION PROFESSIONAL LICE		or Lighting Comp	bliance Certificate	
DOPL	Project Information	2018 IECC		Project Information
	Project Title: Project Type:		PROJECTS: ADMINISTRATION BUILDING ADDITION	Project Title: Project Type: Exterior Lighting Zone
	Construction Site: BLACKFOOT, ID	Owner/Agent:	Designer/Contractor: Claire Jorgensen Musgrove Engineering 645 W 25th St Idaho Falls, ID 83402 208-523-2862 clairej@musgrovepa.com	Construction Site: BLACKFOOT, ID
	Allowed Interior Lighting P	ower A	B C D	Allowed Exterior L
	1-OFFICE/RR ADDITION (Office)	rea Category	Floor Area (ft2)Allowed Watts / ft2Allowed Watts (B X C)5800.79458	Area/S
	Proposed Interior Lighting	Power	Total Allowed Watts = 458 B C D E	Pedestrian and vehicular
	Fixture ID : Descrip	otion / Lamp / Wattage Per Lamp / Ballast		(a) Wattage tradeoffs (b) A supplemental al
	LED 1: A: 2X4 RECESSED: Othe LED 2: B: 1X4 LED WRAP: Othe LED 3: C: LED VANITY LIGHT: C	n.	1 3 38 114 1 4 32 128 1 2 10 19 Total Proposed Watts = 261	Proposed Exterior Fixture ID
	Interior Lighting PASSES: Interior Lighting Complian	Design 43% better than code		Pedestrian and vehicu LED 1: LED Other Fixt
	Compliance Statement: The pr specifications, and other calcula	pposed interior lighting design represented ations submitted with this permit application C requirements in COM <i>check</i> Version 4.1.5.	in this document is consistent with the building plans, n. The proposed interior lighting systems have been 5 and to comply with any applicable mandatory	Exterior Lighting P Exterior Lighting C
	Claire Jorgensen, Desi Name - Title	\frown	<u>12-20-2024</u> Date	Compliance Statemen specifications, and oth designed to meet the requirements listed in
				Claire Jorgense
		DVS CEMETERY PROJECTS: ADMINISTRATIO	·	Project Title: DPW 2 Data filename: P:\File:
	Section #Rough-In Electr& Req.IDC405.2.2.C405.2.2.Spaces required to		Comments/Assumptions	Section # Rough- & Req.ID C405.2.3, Daylight zo
	2 reduction controls h [EL22] ¹ control that allows t reduce the connect a reasonably uniform pattern >= 50 perc	he occupant to ed lighting load in n illumination		C405.2.3. individual 1, lights inde C405.2.3. lighting. Si 2 Daylight-ra [EL23] ² applicable
	C405.2.1, Occupancy sensors C405.2.1. classrooms/lecture/ 1 conference/meeting [EL18] ¹ rooms, copy/print ro	installed in Complies raining rooms, Does Not /multipurpose Not Observable		C405.2.4 Separate I [EL26] ¹ specific us
	lounges/breakroom open plan office are storage rooms, lock warehouse storage	s, enclosed offices, LINot Applicable as, restrooms, er rooms, areas, and other		C405.2.4 Additional
	spaces <= 300 sqft by floor-to-ceiling h Reference section la C405.2.1.2 for cont warehouses and sec	eight partitions. anguage rol function in tion C405.2.1.3		[EL27] ¹ allowed fo approved automatic separated
	for open plan office C405.2.1. Occupancy sensors 2 warehouses: In war [EL19] ¹ lighting in aisleways	spaces. control function in Complies shouses, the Does Not and open areas is Nat Observable		C405.2.5 Manual co [EL28] ^{null} energy co ready acce located wi visible, or
	controlled with occu automatically reduc by 50% or more wh unoccupied. The oc control lighting in e	e lighting power en the areas are cupant sensors		C405.2.6 Automatic [EL30] ^{null} daylight c
	control lighting in e- independently and lighting beyond the controlled by the se C405.2.1. Occupant sensor co	do not control aisleway being nsor.		C405.3 Exit signs [EL6] ¹ face.
	3 open plan office are [EL20] ¹ sensor controls in o >= 300 sq.ft. have configured so that g	as: Occupant Does Not pen office spaces controls 1) Not Observable eneral lighting can		C405.6 Low-voltag [EL26] ² electric tra
	be controlled separa zones with floor are within the space, 2) off general lighting within 20 minutes a	as <= 600 sq.ft. automatically turn in all control zones		C405.7 Electric m
	have left the space, so that general light control zone is redu the full zone genera	3) are configured ing power in each ced by $>= 80\%$ of I lighting power		[EL27] ² efficiency C405.7(1) Efficiency under an a
	within 20 minutes o leaving that control configured such tha responsive control v general lighting or c	zone, and 4) are t any daylight vill activate space		c405.8.2 Escalators
	C405.2.2, Each area not serve C405.2.2, sensors (per C405.2.	/ when occupancy detected. d by occupancy Complies		C405.8.2, Escalators C405.8.2. with ASME 1 automatic [EL28] ² reduce sp permitted
	1, switch controls and C405.2.2. in sections C405.2.2 [EL21] ²	functions detailed		ASME A17 local code passenger C405.9 Total volta
				[EL29] ² combination circuits <=
		h Impact (Tior 1)		Additional Comme
	Project Title: DPW 2021605 I	h Impact (Tier 1) 2 Medium Impact (T DVS CEMETERY PROJECTS: ADMINISTRATIO I303\CALCS\ELEC\24303 Electrical_Complia	N BUILDING ADDITION Report date: 12/20/24	Project Title: DPW 2 Data filename: P:\File





Boise, ID 83709 208.384.0585

208.523.2862

ENERGY CODE COMMISSIONING COMPLIANCE NOTES

SECTION 408 SYSTEM COMMISSIONING

- IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY:
- A. <u>AS-BUILT DRAWINGS</u> DRAWINGS SHALL INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MECHANICAL EQUIPMENT.
- B. <u>OPERATING AND MAINTENANCE MANUALS</u> MANUALS SHALL INCLUDE THE FOLLOWING:
 - 1. SUBMITTAL DATA ON ALL PIECES OF EQUIPMENT REQUIRING MAINTENANCE. 2. MANUFACTURER'S OPERATIONS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
 - 3. NAME AND ADDRESS AND PHONE NUMBER OF OF AT LEAST ONE (1) SERVICE PROVIDED. 4. LIGHTING CONTROL SYSTEMS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS. EQUIPMENT AND SYSTEM SCHEMATICS, AND CONTROL SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPOINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, IN THE SYSTEM PROGRAMMING
 - INSTRUCTIONS. 5. A NARRATIVE ON HOW EACH LIGHTING SYSTEM IN INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.
- LIGHTING SYSTEM FUNCTIONAL TESTING REQUIREMENTS

FUNCTIONAL TESTING - ALL AUTOMATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PIROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PREFORMED:

1. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE. 2. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF. 3. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

FINAL LIGHTING SYSTEM FUNCTIONAL REPORT - A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS THE "FINAL LIGHTING CONTROL REPORT" SHALL BE DELIVERED TO THE BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING:

- 1. LIST OF FUNCTIONAL TESTS USED DURING THE COMMISSIONING PROCESS ON EACH PIECE OF EQUIPMENT.
- 2. RESULTS OF ALL FUNCTIONAL TESTS ON ALL PIECES OF EQUIPMENT. 3. LIST OF DEFICIENCIES FOUND AND CORRESPONDING CORRECTIVE MEASURES EITHER IMPLEMENTED OR PROPOSED ON EACH PIECE OF EQUIPMENT.
- 4. LIST OF EQUIPMENT NOT ABLE TO BE FUNCTIONALLY TESTED DUE TO CURRENT CLIMATE CONDITIONS. THESE PIECES OF EQUIPMENT WILL FUNCTIONALLY TESTED ONCE CLIMATE CHANGES ALLOW.

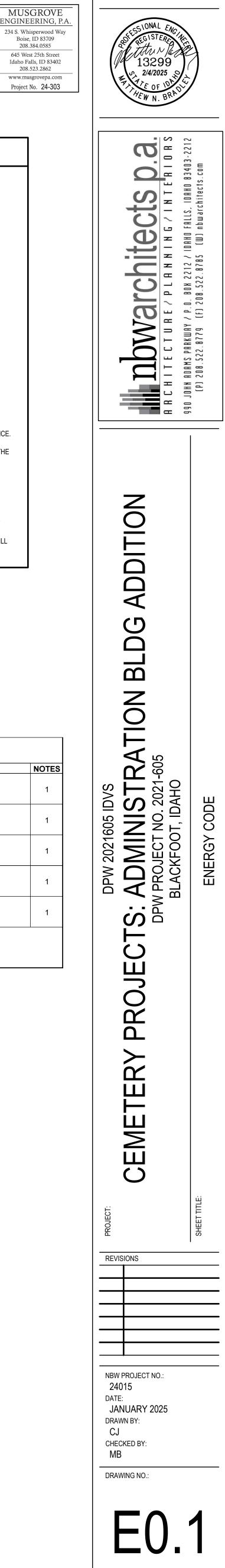
SWITCH AND OCCUPANCY SENSOR LEGEND

- Sos1 OCCUPANCY SENSOR WALL MOUNT, SINGLE TECHNOLOGY, 120-277V, SINGLE POLE, SENSOR SWITCH WSXA-PDT-XX OR EQUAL
- \$₀₅₂ OCCUPANCY SENSOR WALL MOUNT, SINGLE TECHNOLOGY, DIMMING, 120-277V, SINGLE POLE, SENSOR SWITCH WSXA-PDT-D-XX OR EQUAL

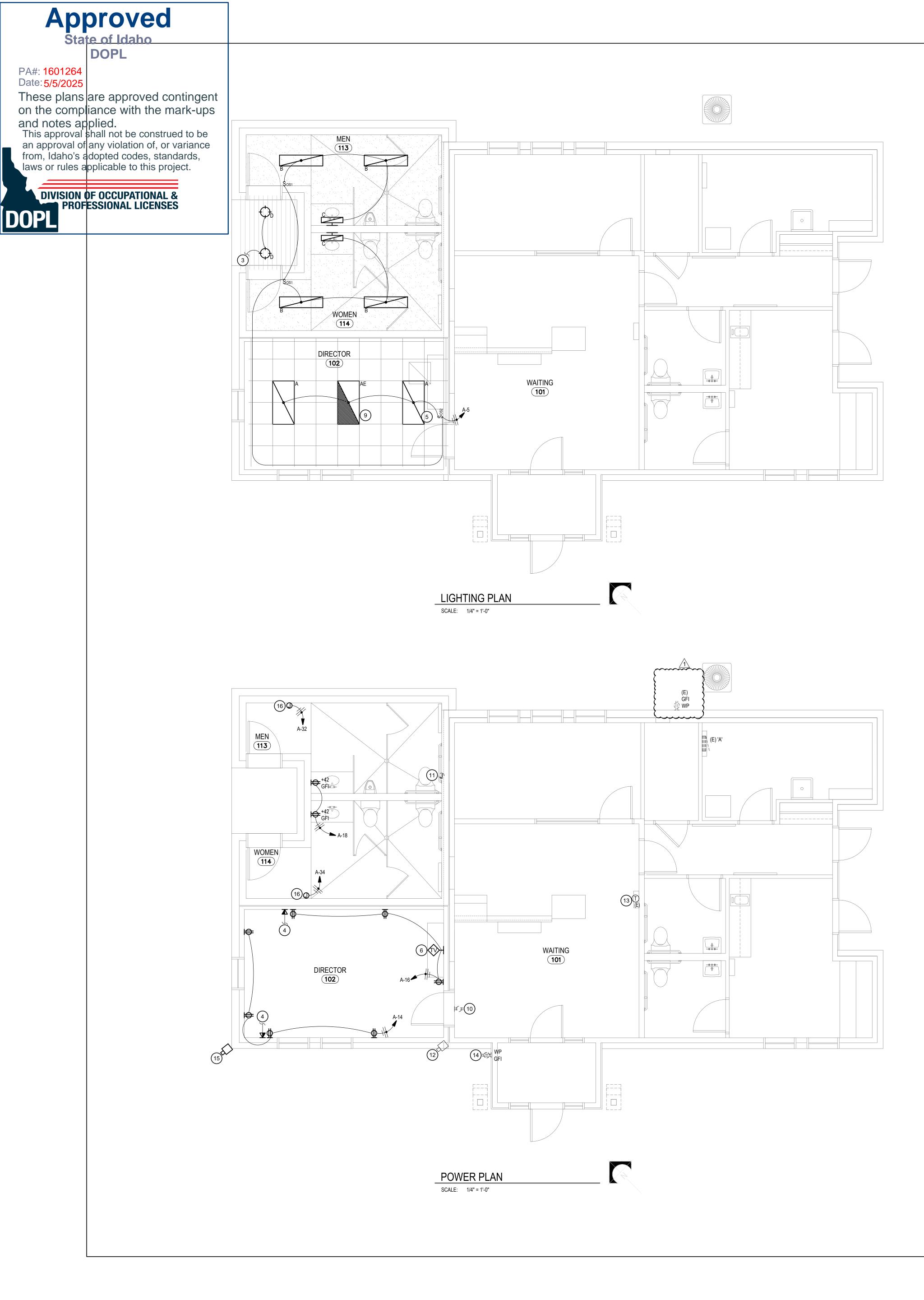
EQUAL PRODUCTS FROM WATTSTOPER, LUTRON, LEGRAND, AND EATON WILL BE ACCEPTED

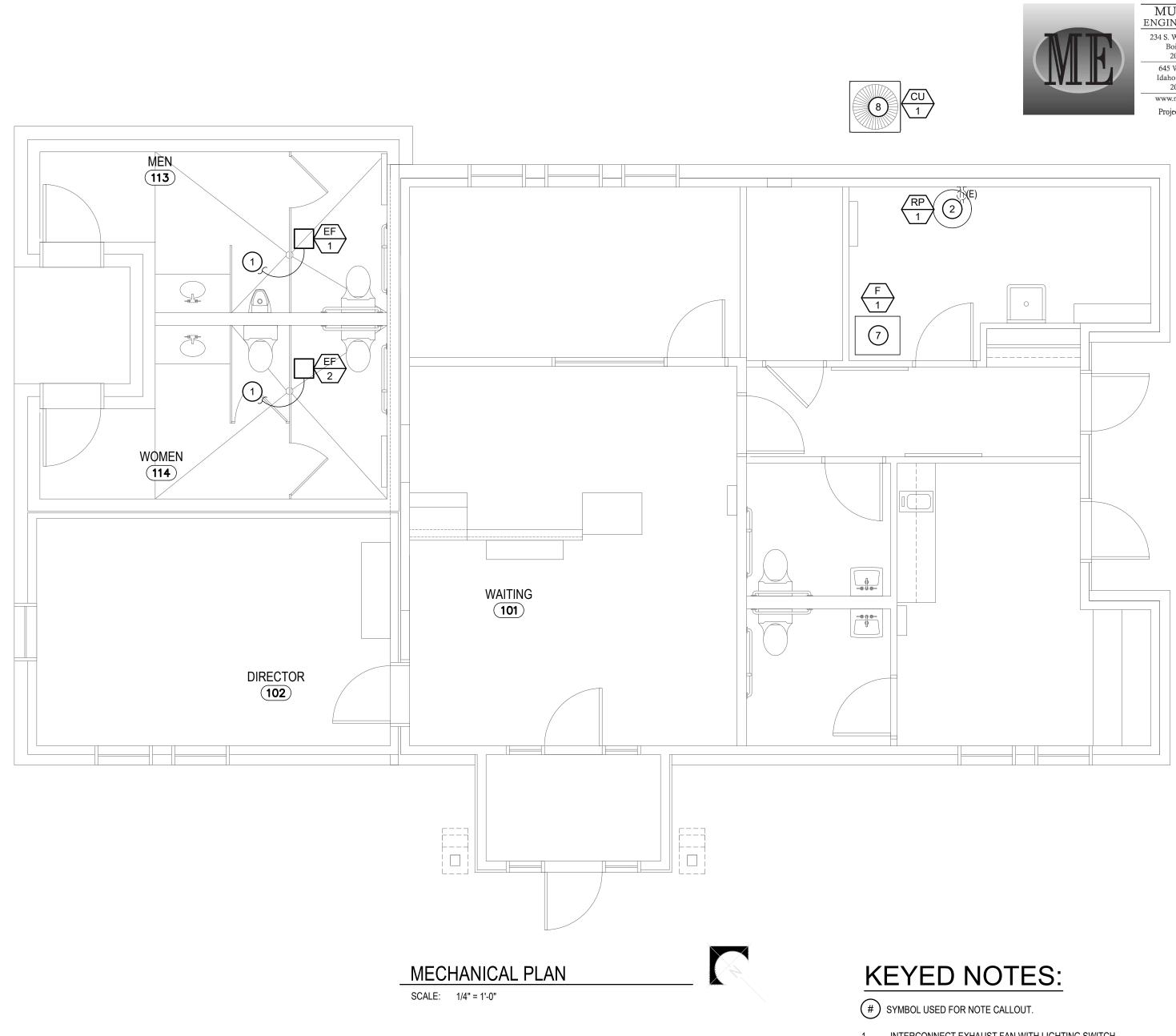
TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER	NOTE
	2X4 RECESSED VOLUMETRIC LIGHT FIXTURE		LED		LITHONIA NO: 2BLT4-48L-40LHE-ADP-EZ1-LP940	
А	4800 LUMENS	RECESSED	4000K	38		1
	0-10 VOLT DIMMING					
	2X4 RECESSED VOLUMETRIC LIGHT FIXTURE		LED		LITHONIA NO: 2BLT4-48L-40LHE-ADP-EZ1-LP940-E10WLCP	
AE	4800 LUMENS	RECESSED	4000K	38		1
	0-10 VOLT DIMMING, 700 LUMEN BATTERY PACK					
	1X4 LED WRAPAROUND		LED		LITHONIA NO: LBL4-4800LM-80CRI-40K-MIN1-GZT-MVOLT	
В	4800 LUMENS	RECESSED	4000K	32		1
	0-10 VOLT DIMMING					
	LED VANITY LIGHT		LED		LITHONIA NO: FMVTSL-24IN-MVOLT-30K-90CRI-BN-M4	
С	1300 LUMENS	WALL	3000K	9.5		1
	6" LED WAFER DOWNLIGHT		LED		LITHONIA NO: WF6 LED 30K40K50K 90CRI XX	
D	1200 LUMENS	RECESSED	4000K	13		1
	XX COLOR TO BE CONFIRMED BY ARCHITECT					

1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED PRIOR TO BID DATE BY THE GREATER OF: 7 BUSINESS DAYS OR THE TIME PERIOD SPECIFIED BY DIVISION 1 SPECIFICATIONS, AND IF DEEMED EQUAL BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.









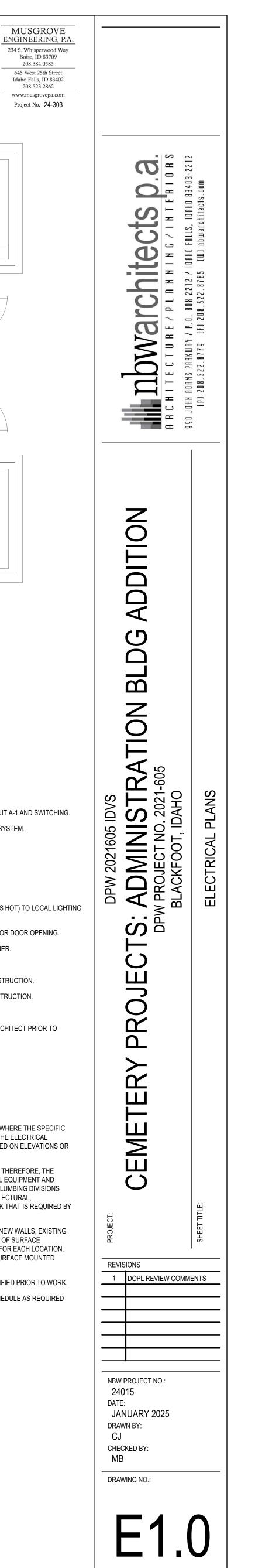
- 1. INTERCONNECT EXHAUST FAN WITH LIGHTING SWITCH.
- 2. CONNECT RECIRC PUMP RP-1 TO LOCAL RECEPTACLE.
- 3. CONNECT TO EXISTING BUILDING EXTERIOR LIGHTING CIRCUIT A-1 AND SWITCHING.
- 1"C TO CEILING SPACE FOR DATA/COMM TO EXISTING DATA SYSTEM.
 INSTALL 0-10V DIMMING TO ALL LIGHTS ON THIS SWITCH.
- INSTALL 0-10V DIMMING TC
 SEE E2.0 FOR TV DETAIL.

INSTALLATION.

- CONNECT NEW FURNACE TO EXISTING BREAKER A-17.
- 8. CONNECT NEW FURNACE TO EXISTING BREAKER A-40,42.
- 9. EMERGENCY LIGHT AND/OR NIGHT LIGHT. CONNECT (ALWAYS HOT) TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY LIGHTING CONTROLS.
- 10. EXISTING RECEPTACLE TO BE RELOCATED ON SAME WALL FOR DOOR OPENING.
- 11. EXISTING WIRELESS EQUIPMENT TO BE RELOCATED BY OWNER.
- 12. EXISTING CAMERA TO BE RELOCATED BY OWNER.
- 13. EXISTING THERMOSTAT TO REMAIN. PROTECT DURING CONSTRUCTION.
- 14. EXISTING RECEPTACLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- RELOCATED CAMERA, RUN NEW CAT5 CABLE TO IT ROOM.
 POWER FOR HAND DRYER, COORDINATE LOCATION WITH ARCHITECT PRIOR TO

GENERAL NOTES:

- A. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.
- B. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- C. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- D. ALL EXISTING LIGHTS, RECEPTACLES, AND CIRCUITS TO BE VERIFIED PRIOR TO WORK.
- E. ELECTRICAL CONTRACTOR TO PROVIDE NEW TYPED PANEL SCHEDULE AS REQUIRED BY NEC.



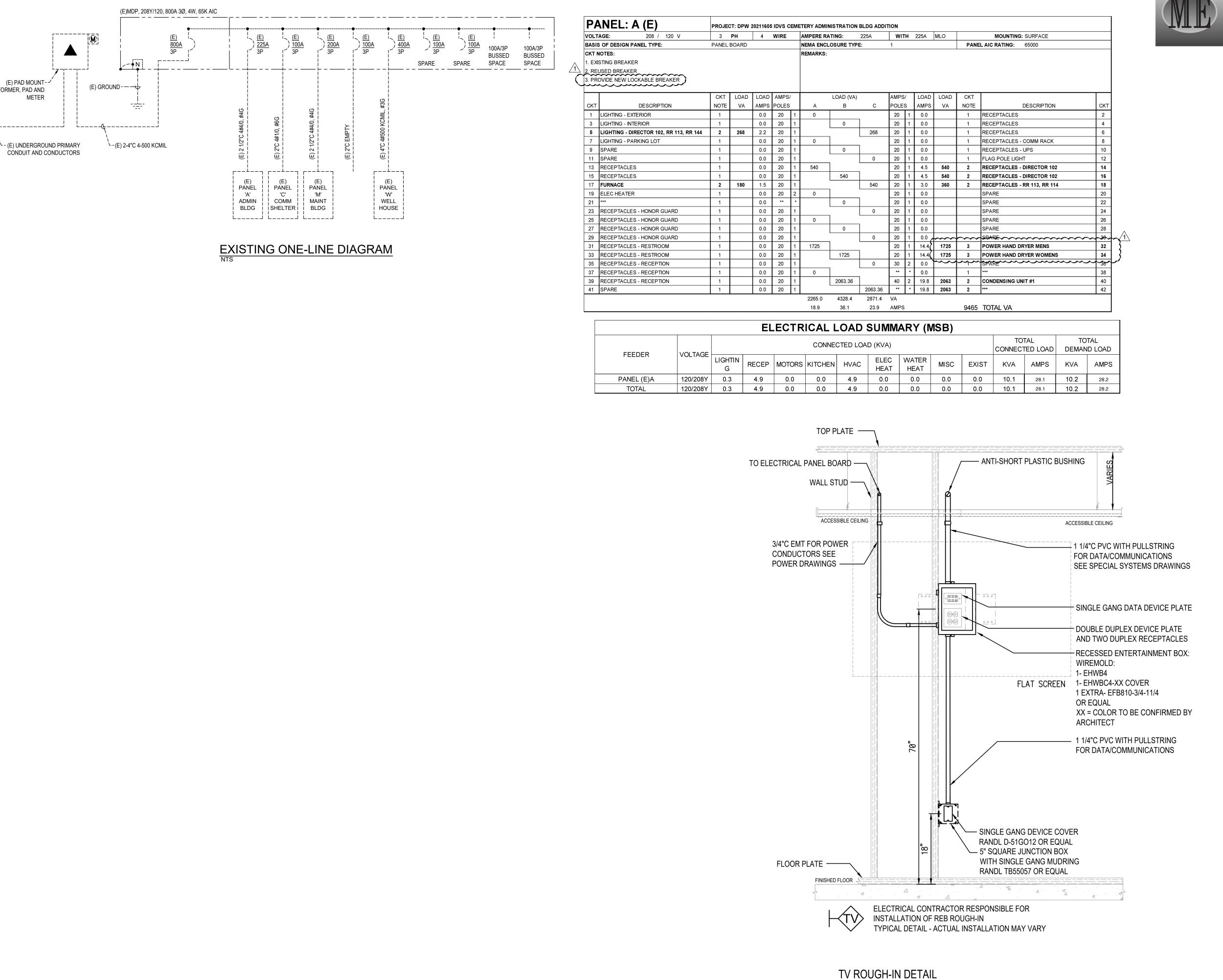


on the compliance with the mark-ups and notes applied. This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

DIVISION OF OCCUPATIONAL &

(E) PAD MOUNT--TRANSFORMER, PAD AND METER

PROFESSIONAL LICENSES DOPL



SCALE: 1" = 1'-0"

MUSGROVE ENGINEERING, P.A 234 S. Whisperwood Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862 www.musgrovepa.com Project No. 24-303

