ITD DIST. TENANT IMPROVEME

8150 WEST CHINDEN BLVD

ABBREVIATIONS

MISC

N.I.C.

N.S.

N.T.S.

NO. NOM.

O.A.

0.C. 0.D. 0.H. 0.T.S.

0/

O/H

OFF.

OPNG. OPP.

pl. Plumb. Plywd. Pre-eng.

PT.

QT.

R.D. R.O.

R.W.L. RE:

REINF

REQ'D.

RM.

S.C. S.C.D.

S.D.

S.F.

S.I.D.A.

S.N.D. S.N.R.

SCHED. SECT. SHR. SHT.

SIM.

SQ.

STD.

STRUC SUSP. SYM.

T & G

ΤВ

T.D. T.O.

T.O. T.O.C. T.O.M. T.O.P. T.O.S. T.O.W. T.P.D. TEL. THK.

THRES. TYP.

U.B.C.

U.O.N. V.C.T. V.I.F. VENT. VERT. VEST.

W.

W.B

W.C. W.G.

W.GL. W.P.

W.R.

W/

W/O

W.W.F.

SPECS

S.S.

PVMT.

oz. P.Lam. P.T.D. P/L PART.

A.B. A.D.A.A.G. A.F.F. A.O.A. A/C ABV. ACOUST. ADJ. AGG. ALT. ALUM. APPROX. ARCH. AUTO. AVE. B.O.C. B.U. BD. BLDG. BLK. BM. BOT. C.B. C.C. C.I. C.I.P. C.I.P. C.M.U. C.O. C.T. C.W. CAB. CEM. CEM. CLG. CLR. CNTRSK. COL. CONC. CONT. CORR. CW/ D.B.A. D.F. D.S. D.S.P. DET. DIA. DIAG. DIM. DN. DWG. E.B. E.I.F.S. E.J. E.P. E.W.C. EA. ELEC ELEV. EQ. EQUIP. EXH. EXP. EXT. F.A. F.B. F.D. F.E. F.E.C. F.H.C. F.O. F.O.C. F.O.F. F.O.M. F.O.S. F.O.T. F.S. FDN. FIN. FL. FLASH. FT. FTG. FTW. FURR. G.B. GA. GALV. GYP. H.A.S. H.A.S. H.B. H.C. H.M. H.P.

PERPENDICULAR SQUARE
DIAMETER NUMBER
EXISTING FUTURE
NEW RENOVATE OR RELOCATED
AT AIR CONDITIONING
AMERICAN'S WITH DISABILITIES ACT
ABOVE FINISH FLOOR AIRLINES OPERATION AREA
AIR CONDITIONING ABOVE
ACOUSTICAL ADJUSTABLE
AGGREGATE ALTERNATIVE
ALUMINUM
APPROXIMATE ARCHITECTURAL
AUTOMATIC AVENUE
BOTTOM OF BASE OF CURB
BUILT-UP BOARD
BUILDING BLOCK
BEAM
BOTTOM CATCH BASIN
CENTER TO CENTER CAST IRON
CAST IN PLACE CONCRETE MASONRY UNIT
CONCRETE OPENING OR CLEAN-OUT CERAMIC TILE
COLD WATER
CABINET CEMENT
CUBIC FEET/MINUTE CEILING
CLEAR COUNTERSUNK
COLUMN CONCRETE
CONTINUOUS CORRIDOR
COORDINATE WITH
DEEP DEFORMED BAR ANCHOR
DRINKING FOUNTAIN DOWNSPOUT
DRY STANDPIPE DETAIL
DIAMETER DIAGONAL
DIMENSION
DRAWING EXPANSION BOLT
EXTERIOR INSULATION & FINISHING SYSTEM
EXPANSION JOINT ELECTRICAL PANELBOARD
ELECTRIC WATER COOLER EACH
ELEVATION ELECTRICAL
ELEVATOR EQUAL
EQUIPMENT
EXHAUST EXPANSION
EXTERIOR FIRE ALARM
FLAT BAR FLOOR DRAIN
FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET
FIRE HOSE CABINET FACE OF
FACE OF CURB/CONCRETE FACE OF FINISH
FACE OF MASONRY
FACE OF STUDS FACE OF TREAD
FAR SIDE FOUNDATION
FINISH FLOOR(ING)
FLASHING FOOT OR FEET
FOOTING
FURRING
GAS GRAB BAR
GAUGE OR GAGE GALVANIZED
GYPSUM HIGH
HEADED ANCHOR STUD HEADED CONCRETE ANCHOR
HOSE BIBB HANDICAPPED - A.D.A.A.G.
HOLLOW METAL
HIGH POINT HOT WATER
HORIZONTAL HOUR

HEIGHT
HEATING VENTILATING AND AIR CONDITIONING
INSIDE DIAMETER INCH
INSULATION
INTERIOR JANITOR
JOINT
KNOCKOUT
KITCHEN LINEAL FEET OR FOOT
LAMINATE LAVATORY
POUNDS
MACHINE BOLT MANHOLE
MASONRY OPENING
MAXIMUM MECHANICAL
METAL
MANUFACTURER MINIMUM
MISCELLANEOUS
MOUNTED NORTH
NOT IN CONTRACT
NEAR SIDE NOT TO SCALE
NUMBER
NOMINAL OVER ALL
ON CENTER
OUTSIDE DIAMETER OPPOSITE HAND
OPEN TO STRUCTURE
OVER OVERHEAD
OFFICE
OPENING
OPPOSITE OUNCE
PLASTIC LAMINATE
PAPER TOWEL DISPENSER PROPERTY LINE
PARTICLE
PLATE PLUMBING
PLYWOOD
PRE-ENGINEERED POINT
PAVEMENT
QUARRY TILE RADIUS OR RISER
ROOF DRAIN
ROUGH OPENING RAIN WATER LEADER
REFERENCE (CW/)
REINFORCE(D) REQUIRED
ROOM
SOLID CORE SEAT COVER DISPENSER
SOAP DISPENSER
SQUARE FEET OR FOOT SECURITY IDENTIFICATION DISPLAY AREA
SANITARY NAPKIN DISPENSER
SANITARY NAPKIN RECEPTACLE STAINLESS STEEL
SCHEDULE
SECTION SHOWER
SHEET
SIMILAR OR SIMILAR TO SPECIFICATIONS
SQUARE
STREET OR STEEL STANDARD
STRUCTURAL
SUSPENDED SYMMETRICAL
TONGUE & GROOVE
TREAD TOWEL BAR
TOP OF DRAIN
TOP OF CURB/CONCRETE TOP OF MASONRY
TOP OF SLAB TOP OF WALL
TOILET PAPER DISPENSER
TELEPHONE THICKNESS
THRESHOLD
TYPICAL UNIFORM BUILDING CODE
UNLESS OTHERWISE NOTED
VINYL COMPOSITION TILE VERIFY IN FIELD
VENTILATION
VERTICAL VESTIBULE
WIDE
WALL BEYOND WATER CLOSET OR WALL COVERING
WIRE GLASS
WIRE GLASS WORK POINT
WASTE RECEPTACLE
WELDED WIRE FABRIC WITH
WITHOUT
WOOD

 THE DRAWINGS INDICATE LOCATION, DMENSIONS, REFERENCE, AND TYPICAL NOT INDICATE EVERY CONDITION. WORK NOT PARTICULARLY DETAILED SHALL ARE DETAILED. DO NOT SCALE DRAWINGS. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS. WHERE REPORTED TO ARCHITECT FOR RESOLUTION. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OV CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWING OPENINGS. PARTITION DIMENSIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWING WHERE NO MATERIALS UST ON THIS SHEET. THEU S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTIFIED 10 WOR THAT DISTURB 280 LF. /160 SQ. FT. /35 CU. FT. OF ASBESTOS CONTAINING MAT. ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIE (CCANS) AND ATERIALS UST ON THIS SHEET. THEU S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTIFIED 10 WOR THAT DISTURB 280 LF. /160 SQ. FT. /35 CU. FT. OF ASBESTOS CONTAINING MAT. ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIE (CCANS) AND FLOOR LEVELS AT DOORS THAT COMPLY WITH THE / 121 UNLESS OTHERWISE INDICATE DALL DRAWINGS, ONTES WHICH DO NOT READ. "BY ONTERS' SHALL KEE NOW WORK WHICH SHALL BE CONTRACTOR FU "YO THERS' SHALL KEEN WORK WHICH SHALL BE CONTRACTOR FU "THE CONTRACTOR'S SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND COMPLETE. THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP. THE WORK ANY DISCREPARCY SHALL KEEP ALL PROVIDE FINAL CLEAN UP. THE WORK ANY DISCREPARCY SHALL KEEP ALL AREAS SHALL BE FIRE STOPPED IN A 'T44.12. PROVIDE A FRESTOPPING SYSTEM APPROPRIATE FOR THE WORK INSPECTION USE BLALL XERSED ASSEMBLIES SHALL DE FIRE STOPPED IN A 'T44.12. PROVIDE A FRESTOPPING SYSTEM APPROPRIATE FOR THE WORK IN INSPECTION USE WITH OUGH RATED ASSEMBLIES SHALL DE FIRE STOPPED IN A 'T44.12. PROVIDE A FRESTOPPING SYSTEM APPROPRIATE FOR THE WORK IN INSPECTION USE RESPONSIDED INTIC THERE STRUCTION 'THE WORK AN INSPECTION US		GENERAL NO
 DO NOT SCALE DRAWINGS. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS. WHERE REPORTED TO ARCHITECT FOR RESOLUTION. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OV OPENING. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OV OPENING. DORO DREING DIMENSIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWING. DORO DPENING LOCATIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWING. DORO DPENING LOCATIONS ARE GIVEN TO THE GRAPHIC MATERIAL INDICATION SP SYMBOL AND MATERIALS LIST ON THIS SHEET. THE U S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTFIED 10 WORS SYMBOL AND MATERIALS LIST ON THIS SHEET. THE U S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTFIED 10 WORS THAT DISTUBB 280 (2018) BIC SECTION 1101). PROVIDE LANDINGS AND FLOOR LEVELS AT DOORS THAT COMPLY WITH THE : ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIE (CANSI A117.12010 (2018) BIC SECTION 1101). PROVIDE LANDINGS AND FLOOR LEVELS AT DOORS THAT COMPLY WITH THE : 10 UNLESS OTHERWISS INDICATED ALL DRAWINGS, NOTES WHICH ON ON TREAD. THE CONTRACTOR SHALL VERTY ALL SAND CONDUCT FINAL CLEAN UP. THE CONTRACTOR SHALL VERTY ALL EXISTING CONDITIONS AND DIMENSION. THE WORK ANY DISCREPANCY SHALL BE ADLARENG CONDITIONS AND DIMENSION. THE WORK ANY DISCREPANCY SHALL BE ROUGHED FINAL CLEAN UP. THE CONTRACTOR SHALL VERTY ALL EXISTING CONTIONS AND DIMENSION. THE WORK ANY DISCREPANCY SHALL BE ROUGHED FIRE STOPPED IN A 714.4.1.2. PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK BY NINSPECTION USE BLALL DECENTS. THIS SPACE MAY NOT BE OCCUPIED UNTIL THE EXELT FOR THE WORK BY NINSPECTION USE BLALL BE EXTERNALLY OR INTERNALLY IND HEES SECTION FOR CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERTY NING LOCATION OF CONTRACTOR SHALL BE EXTERNALLY OR INTERNALLY IND HEES SECTION FOR SUBMETTION DOCUMENTS. THIS SPACE MAY DAS THE FIRE	1. 2.	THE DRAWINGS INDICATE LOCATION, DIMENSIONS, REFERENCE, AND TYPICAL NOT INDICATE EVERY CONDITION. WORK NOT PARTICULARLY DETAILED SHAL
 DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OV CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE (OPENINGS. PARTITION DIMENSIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWIS DOOR OPENING LOCATIONS ARE DIMENSIONED TO ROUGH OPENING OR CEN. WHERE NO MATERIAL NOTES OCCUR. THE GRAPHIC MATERIAL INDICATION SH SYMBOL AND MATERIALS LIST ON THIS SHEET. THE U.S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTIFIED 10 WOR THAT DISTURB 260 LF. //60 SQ. FT. /35 CU. FT. OF ASBESTOS CONTAINING MAT THAT DISTURB 260 LF. //60 SQ. FT. /35 CU. FT. OF ASBESTOS CONTAINING MAT IN ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIE ICCIANSI A117.1/2010 (2018 BEC SECTION 1101). PROVIDE LANDINGS AND FLOOR LEVELS AT DOORS THAT COMPLY WITH THE /: UNLESS OTHERWISE INDICATE NEW WORK WHICH SHALL BE CONTRACTOR FUU 4. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACT. THE CONTRACTOR SHALL VERTRACTOR SHALL PROVIDE INAL CLEAN UP. THE CONTRACTOR SHALL VERTRACTOR SHALL PROVIDE INAL CLEAN UP. THE CONTRACTOR SHALL VERTRACTOR SHALL PROVIDE INAL CLEAN UP. THE WORK ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TA 714.4.1.2. PROVIDE A FIRESTOPPINS SYSTEM SPHOUTH FOR ATHE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROUECT AT PLETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIES 8 DETHOLO OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS / METHOD OF INSTALLATION TO ROPOVIDE THE REQUIRED FIRE-STOP RATINGS / METHOD OF INSTALLATION TO ROPOVIDE THE REQUIRED FIRE-STOP RATINGS / METHOD OF INSTALLATION TO ROPOVIDE THE REQUIRED FIRE-STOP RATINGS / METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS / METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS / METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS / METHOD OF INSTALLATION TO P	3. 4.	DO NOT SCALE DRAWINGS. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS. WHERE
 PARTITION DIMENSIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWIS DORO PENING LOCATIONS ARE DIMENSIONE TO ROUGH OPENING LOCATIONS ASE DIMENSIONED TO ROUGH OPENING LOCATIONS ARE DIMENSIONED TO ROUGH OPENING LOCATIONS AND FLOD COMPLAY INTE AMERICAL INDICATION SP SYMBOL AND MATERIALS LIST ON THIS SHEET. THE U. S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTIFIED 10 WORI THAT DISTURE 260 LF. /160 SQ. FT. /35 CU. FT. OF ASBESTOS CONTAINING MATTILA ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICAS WITH DISABILITIE ICCIANSI A117.1-2010 (2018 IBC SECTION 1101). PROVIDE LANDINGS AND FLOOD COMPLY WITH THE AMERICAS WHICH DO NOT READ "BY OTHERS" SHALL INDICATE DALL DORAVINGS, NOTES WHICH DO NOT READ "BY OTHERS" SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTOR FULANDINGS, SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTOR FULANDINGS, SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTOR FULANDING SHALL VERIFY ALL LEXISTING CONDITIONS AND DIMENSION: THE WORK MY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE WORK ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE WORK MY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE PROVIDE CA FIRESTOPPED IN A YT144.1.2 PROVIDE A FIRESTOPPINIS SYSTEM APPROPRIATE FOR THE WORK B PROVIDED A FIRE STOPPINIS SYSTEM APPROPRIATE FOR THE WORK B PROVIDED A FIRE STOPPINIS SYSTEM APPROPRIMENTE FOR THE WORK B PROVIDED A LEXENS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIESS TO THE STORTER TINGS / METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRES. STOP RATINGS / METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRES. STOP RATINGS / METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRES. STOP RATINGS / METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRES. STOP RATINGS / STIME ZOTON DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE PROVIDE BUCKING AS ACQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE CHARLING AS SEQUIRE STRUCT	5. 6.	DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OV CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE (
 SYMBOL AND MATERIALS LIST ON THIS SHEET. THEU S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTFIED 10 WORI THAT DISTURB 280 L F. (160 SQ. FT. (35 CU. FT. OF ASBESTOS CONTAINING MAT ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIE ICC/ANSI A117.1-2010 (2018 IBC SECTION 1101). PROVIDE LANDINGS AND FLOOR LEVELS AT DOORS THAT COMPLY WITH THE 2 UNLESS OTHERWISE INDICATE PALU DRAWINGS, NOTES WHICH DO NOT READ. "BY OTHERS" SHALL INDICATE NEW WORK WHICH SHALL BE CONTRACTOR FU ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTUR. COMPLETE. THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP. THE CONTRACTOR SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND COMPLETE. THE GENERAL CONTRACTOR SHALL BE ONTITIONS AND DIMENSION. THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT N USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIES SHALL EXPOSED BY THE STRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT N USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIES METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS / THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEVES A CERTIFICATE OF OC CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE EDCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXTS SHALL BE ILLUMINATED. THE FUSIDE WITHOUT THE USE OF A KE IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE DEVIDENTIALE ROWING AND SYSTEM APPLORADE WITH AND ATTINE SYMING SYSTEM AND TRECONSTRUCTION ALGON'S AND THE CONTRACTOR STRUCTION JOINS WITH ALL REQUIREMENTS, ROUTING, AND CONTRUCTION DACEMENTS. EXIT WAYS SHALL BE DEVIDENCOOR FO	7. 8.	PARTITION DIMENSIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWIS DOOR OPENING LOCATIONS ARE DIMENSIONED TO ROUGH OPENING OR CENT
 ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIE ICC/ANNSIA117.12010 (2018) IES SECTION 1101). PROVIDE LANDINGS AND FLOOR LEVELS AT DOORS THAT COMPLY WITH THE ' 21 UNLESS OTHERWISE INDICATED ALL DRAWINGS, NOTES WHICH DO NOT READ "BY OTHERS" SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTU THE CONTRACTORS) SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND COMPLETE. THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP. THE CONTRACTOR SHALL VERY ALL EXISTING CONDITIONS AND DIMENSIONS. THE WORK, ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRE STOPPED IN AC 714.4.1.2 PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK AND USCREPANCY SHALL VERY ALL EXISTING CONDITIONS AND DIMENSIONS. THE WORK, ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TT PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRE STOPPED IN AC 714.4.1.2 PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS, ASSEMBLIES S METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS A INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTIONS CONTRACTOR SHALLS AN INSPECTION SHALL BE CECUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOURED STEM. 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND 20 CONTRUCTION ASSEMBLIES FOR THE INSIDE WITHOUT THE USE OF A KE IBC, SECTION 1010.19. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATE PROVIDE BLOCKING AS REQ		SYMBOL AND MATERIALS LIST ON THIS SHEET. THE U. S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTIFIED 10 WORI
 UNLESS OTHERWISE INDICATED ALL DRAWINGS, NOTES WHICH DO NOT READ "BY OTHERS" SHALL INDICATE NEW WORK WHICH SHALL BE CONTRACTOR FUN- LALL MATERIALS SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND COMPLETE, THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSION THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH WORK, ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRE STOPPED IN AC 714.4.12. PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIESS METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS A THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO 20. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE' IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINAT PREMISES' WING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, AL	11.	ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIE ICC/ANSI A117.1-2010 (2018 IBC SECTION 1101).
 THE CONTRACTOR(S) SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND COMPLETE, THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP. THE CONTRACTOR SHALL VERIPY ALL EXISTING CONDITIONS AND DIMENSION: THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FRES STOPPED IN AC 714.4.12. PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AT INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIES S METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE.STOP RATINGS A CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO CONTRACTOR SHALL BE COLURED FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCLIMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE COLUMENT FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE CORDING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATE PREMISES' WIRING SYSTEM. 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING COMPLIANCE AND TO INSPECT ASSEMBLIES TO THE STRUCTUF TESTINGLISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE MECHANICAL AND BLOCTICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION ACTIVITES WITH OWNER. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUF TESTINGLISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION COORDINATE MECHANICAL AND ELECTON FOR REVIEW AND APROVAL PROPOSED WORK RELATED TO THE PROPOSED FILED	12. 13.	UNLESS OTHERWISE INDICATED ALL DRAWINGS, NOTES WHICH DO NOT READ
 THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSION. THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRE STOPPED IN AC 714.4.1.2. PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASEMBLIES S METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS A THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE' IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE LILUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS ASSEMBLIES TO THE STRUCTUF TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION ALL CONSTRUCTION ADDENDA, CHANGE ONDERS, OR DESIGN CLARFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE FROM TRE OPERABLE PARATE APPLICATION MUST BE SUBMITTED TO THE FIELD INSPECT FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE REPORDED FOR DESIGN CLARFICATION MUST BE SUBMITTED TO THE FIELD INSPECT OR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE FROM THE OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCÓ- SUCH HARD		
 THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRE STOPPED IN AC 714.4.1.2. PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIES S METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS A 7. THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYINS LOCATION OF CO OT THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINAT PREMISS' WIRING SYSTEM. 2018 IBC SECTION 1008. COORDINATE MECHAMICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATIC WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND SI ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITED TO THE FIRE INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITED TO THE FIRE AND OTHER PROVED BY THE FIRE AND STO CORDINATE CONSTRUCTION TO THE PROPOSED FIELD CHANGE. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SECTION 70.<td>16.</td><td></td>	16.	
 714.4.1.2. PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B PROVIDED AT ALL EXPOSED AREAS. PROVIDE COPIES OF THE SPECIFIC FIRE- PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLIES S METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS A THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYINS LOCATION OF CO THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE' IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM. 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUR TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND SI ALL CONSTRUCTION ADEENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECT OF FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE REPOPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL LINSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINOC- SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM AB		THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF TH
 PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR TWO-HOUR SHAFTS AN INSPECTION USE BY THE FIRE AND STRUCTURAL INSPECTORS. ASSEMBLES S METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS / THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR IS HALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE DENABLE FROM THE INSIDE WITHOUT THE USE OF A KE' IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUP TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 GGG. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PUILS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCF SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL COMPLY WITH 2018 IBC SE	17.	714.4.1.2. PROVIDE A FIRESTOPPING SYSTEM APPROPRIATE FOR THE WORK B
 METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS / THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE' IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION ADD INSPECT ASSEMBLIES TO THE STRUCTUP TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATIC WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND SI ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PUTLHS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FI COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 71.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AN ACCESS TO MECHANICAL AND LAND CAD AND AD 400 AND ADOMELANCE WITH THIS AVAILABLE A		
 THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CO CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE' IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND CONDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUF TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUF TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND SI ALL CONSTRUCTION ADLENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCÓ- SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FIE 44. COMBUSTIBLE MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 716. MANDEXALL BA AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT SUCH THARD ON THE THER AND TAND AND CACESSIDILT CRITER		
 THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES NECESSARY CONSTRUCTION DOCUMENTS. EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE' IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUP TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATIG WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND SI ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FI 44. COMBUSTIBLE MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FI 45. COMBUSTIBLE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 780. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICA		THIS SPACE MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OC
 EXIT SIGNAGE SHALL BE EXTERNALLY OR INTERNALLY ILLUMINATED BY THE P COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUF TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATIO WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND SI ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FIL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FIL COMBUSTIBLE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORA		
 COMPLIANCE WITH 2018 IBC SECTION 1013. PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AN ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KE IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUP TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIOS REQUIRE SEPARATE APPLICATIG WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DODES NOT REQUIRE TIGHT GRASPING, PINCH- SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 4M MASUKIMUM ABOVE THE FI COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND ACCESS TO GRASP WITH ONE HAND AND DODES NOT REQUIRE TIGHT GRASPING, PINCH- SUCH HARDWARE SHALL BE AT 34" MINIM MAD 4M MAXIMUM ABOVE THE FI COMBUSTIBLE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE O FINISH MATERIALS AT CONSTRUCTION SITE FOR REV	21	
 ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KET IBC, SECTION 1010.1.9. EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUP TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST 30. ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOYE THE FI 44. COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AN 55. DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE		COMPLIANCE WITH 2018 IBC SECTION 1013.
 EXIT WAYS SHALL BE ILLUMINATED. THE POWER SUPPLY FOR EXIT ILLUMINATI PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND EXISTING CONSTRUCTION. JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTION TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48 "MAXIMUM ABOVE THE FL SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE C FINISH MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE C FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATI		
 PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008. COORDINATE MECHANICAL AND ELECTRICAL REQUIREMENTS, ROUTING, AND WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUP TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AI DECORATIVE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AI FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE.	D /I	
 WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FI EXISTING CONSTRUCTION. PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUP TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND ESCENTION THE AND EXAMD TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 		PREMISES' WIRING SYSTEM, 2018 IBC SECTION 1008.
 PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTUF TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATIO WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE FROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FIL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBLING AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHA		
 TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER. FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRAFOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRAFOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRAFOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRAFOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 807. CONTRAL SATUCTIVES SHALL BE AND ATTEL 2018 IBC SECTION 806. CONTRAFOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH THE JOB SITE EVIDENCE OF CODE OF OR DECORATIVE MATERIALS AND TABLE 803.13. CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE.<td>77</td><td></td>	77	
 FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND ST ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AN FOR DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 		TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION T
 ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATION MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AN DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN SUMPLIANCE SINCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN WENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 		FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION
 MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE. SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AI DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN 88. CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 	30.	
 SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 636. ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AI DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERA THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 		MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL
 ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCES TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATIONAL MECHAN SUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATION CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 	31.	SUSPENDED CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018
 TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCH SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AI DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 	32.	
 SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLE SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AI DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATING CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 	33.	
 SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW A DECORATIVE MATERIALS AND TRIM SHALL BE RESTRICTED BY COMBUSTIBILIT CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRA FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 		SUCH HARDWARE SHALL BE AT 34" MINIMUM AND 48" MAXIMUM ABOVE THE FL
 CRITERIA OF NFPA 701, IN ACCORDANCE WITH 2018 IBC SECTION 806. CONTRAFOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE CONTRACTOR SHALL AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATHAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY THE STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROL LIGHTING AND ACCESSIBLE. 	34.	
 FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS AVAILABLE AT PROJECT SITE. CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 	35.	
 CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCT 2018 IBC SECTION 803 AND TABLE 803.13. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 		FOR DECORATIVE MATERIALS AND TRIM, INDICATING COMPLIANCE WITH THIS
 2018 IBC SECTION 803 AND TABLE 803.13. 37. ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN 38. CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. 39. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 	36.	CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE EVIDENCE OF CODE OF
 ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN STRUCTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHAN CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 		
 CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER. THAT CONTROL LIGHTING AND ACCESSIBLE. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY 	37.	ACCESS TO MECHANICAL APPLIANCES INSTALLED IN UNDER-FLOOR AREAS, IN
39. VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AS REQUIRED BY	38.	CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPER
	39.	
	TI	nesirelandiavelere / Smirweel Detecteors / Conceletertors
Plan Review Note The Sirel & printed descrift & minorate Detectors of Concelete entors the sectors of the secto	SI	ubmitten and unentsvantoner an geter moderse prenifisitaliatib
The Sireland in average of Contraver Detected and Cancel based on st	Sl st	an an ann ann ann ann ann ann ann ann a
The Sireland in average of Contraver Detected and Cancel based on st	a	pexals at the by a line has a set in kler contractor shou
The Sire appliered by an interced by a sector of the sector of the submittee of the sector of the submittee of the sector of the sector of the submittee of the sector of		any modification to the sprinkler system is warran
The Sire appliance were for the sprinkler system is warran work to the sprinkler system is warrant and modification to the sprinkler system is warrant and the sprinkler system is	S at	etoriadorrowshoethersysterifeshall dee by a all devised s
The Sire appliance were for the sprinkler system is warran work to the sprinkler system is warrant and modification to the sprinkler system is warrant and the sprinkler system is	pa	arter the fight of the fight of the second of the fight o
The Sire approved by the stamped approved by the stamp	In	spection shall not take place without a complete set of the Idahc
The Sire appliered by an interced by a sector of the secto	υ	Major of Occupational and FTURSSIONALLICENSES (IDOPE) DIAN

review notes and approved, stamped plans on site.

H.W.

HR.

HORIZ.

	C	ONTA	CT INFORMATIO	N	SITE L
ENT ELECTRIC B CIVIL C CVIL C C E B C C C C C C C C C C C C C C C C	CSHQA 200 BR(BOISE, (208) 34 FAX (2 CONTA EMAIL: www.cs CSHQA 200 BR(BOISE, CONTA PHONE EMAIL: www.cs TURAL AXIOM 121 N. 9 BOISE I (208)-63 CONTA EMAIL: www.ax	A ROAD ST. , IDAHO 83702 43-4635 208) 343-1858 ACT: JAMES A. : james.marsh@ shqa.com A ROAD ST. ., IDAHO 83702 ACT: JEFF WAF E: 208-343-4635 : jeff.ward@cshd shqa.com I 9TH ST. #401, ID 83702 i39-4520 ACT: JARED BF : jbrandau@axio xiompllc.com ROVE ENGINE WHISPERWOO ., ID 83709 84-0585 208) 384-0765	11331 WEST CH BOISE, IDAHO 8: (208) 334-8600 FAX (208) 334-38 CONTACT: TON QCSHQA.com EMAIL: tony.pirc(itd.idaho.gov MECHANICAL & PLUMBI MUSGROVE EN 234 S WHISPER BOISE, ID 83709 (208) 384-0585 qa.com FAX (208) 384-0585 qa.com FAX (208) 384-0585 qa.com FAX (208) 384-0585 GONTACT: TODI EMAIL: toddn@m https://musgrovep FIRE SPRINKLER PROTECTION CO 1199 SOUTH MA CENTERVILLE, U PHONE: 801.295 CONTACT: GRE0 CELL: 801.232.2 E-MAIL: Greg@p ERING, PA D WAY,	3714 358 Y PIRC @itd.idaho.gov NG GINEERING, PA WOOD WAY, 765 D NELSON husgrovepa.com ba.com ONSULTANTS, INC. JN STREET, STE 101 JT 84014 5.6070 X102 G JONES 217	SITE
	EMAIL:	ACT: KURT LEC : kurtl@musgrov musgrovepa.cor	/epa.com		
SENERAL NOTES			MATE	ERIALS & S`	YMBOLS
INTERNATIONAL BUILDING CODE (2018 IBC). ONS, REFERENCE, AND TYPICAL DETAILS OF CONSTRUCTION. THE DRAWINGS DO			EARTH	Â	WINDOW TYPE, RE:
PARTICULARLY DETAILED SHALL BE OF CONSTRUCTION SIMILAR TO PARTS THAT		BA	POROUS FILL - GRAVEL	<101>	DOOR NUMBER, RE
AWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS. IN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH			SAND FILL	A-1	MATERIAL FINISH, F
ACE OF STUD UNLESS OTHERWISE NOTED.		· · · · · · · · · · · · · · · · · · ·			
APHIC MATERIAL INDICATION SHALL INDICATE MATERIAL TYPES AND ITEMS. SEE NCY MUST BE NOTIFIED 10 WORKING DAYS IN ADVANCE FOR ALL RENOVATIONS					ON CURRENT PAGE
OF ASBESTOS CONTAINING MATERIALS. HE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (A.D.A.A.G.),			(NORMAL WEIGHT)	W01	SHEET NOTE WALL TYPE, RE: A2
OORS THAT COMPLY WITH THE 2018 IBC SECTION 1003.5/1010.1.6/1010.1.7 . GS, NOTES WHICH DO NOT READ "N.I.C.", "EXISTING", OR "EXISTING TO REMAIN", OR IICH SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.				T.O.W. XXX'-XX'	FOR WALL TYPES W
RDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. OF CONSTRUCTION CLEAN AND FREE OF DEBRIS. AFTER CONSTRUCTION IS LL PROVIDE FINAL CLEAN UP. G CONDITIONS AND DIMENSIONS FOR ACCURACY PRIOR TO COMMENCING WITH			INSULATED GLAZING	1 i	ACCESSORY/FIXTU
OUGHT TO THE ATTENTION OF THE ARCHITECT. S SHALL BE FIRE STOPPED IN ACCORDANCE WITH 2018 IBC SECTION 714.4.1 AND APPROPRIATE FOR THE WORK BEING PERFORMED. PAINTABLE SEALANT SHALL BE			METAL, (LARGE SCALE DRAWING)	$\underline{\land}$	REVISION KEY RE: F BLOCK OF CURREN
COPIES OF THE SPECIFIC FIRE-STOP SYSTEMS PROPOSED FOR USE IN THIS ALLS OR TWO-HOUR SHAFTS AND FLOOR ASSEMBLIES, FOR APPROVAL AND AL INSPECTORS. ASSEMBLIES SHALL SHOW ALL REQUIRED COMPONENTS AND		<u> </u>	- METAL, (SMALL SCALE DRAWING)		- PROPERTY LINE
REQUIRED FIRE-STOP RATINGS AS SYSTEM BEING PENETRATED. RECEIVES A CERTIFICATE OF OCCUPANCY AND FIRE DEPARTMENT APPROVAL. UT VERIFYING LOCATION OF CONCRETE REINFORCING.			FRAMING LUMBER		- SWALE/FLOW LINE
PERMITS AND FEES NECESSARY TO EXECUTE THE INTENT OF THESE ERNALLY ILLUMINATED BY THE PREMISES' WIRING, STORAGE BATTERIES AND, BE IN			PLYWOOD		TRENCH DRAIN
REAS TO RECEIVE MILLWORK AND WALL-ATTACHED ITEMS AS SHOWN IN PLANS. SIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. 2018			PARTICLE BOARD		AREA DRAIN / CATC
ER SUPPLY FOR EXIT ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE N 1008 . REQUIREMENTS, ROUTING, AND FIELD VERIFICATION.			FINISH LUMBER	—Z	FLUSH SURFACE M
ASSEMBLIES TO THE STRUCTURAL INSPECTOR FOR VERIFICATION OF			GYPSUM BOARD		— BUILDING GRID LINE
CT ASSEMBLY CONSTRUCTION THEREWITH. H OWNER. REQUIRE SEPARATE APPLICATION AND PLAN SUBMITTALS PRIOR TO PERFORMING					- STRUCTURE CENTE
APPROVED BY THE FIRE AND STRUCTURAL INSPECTORS PRIOR TO OCCUPANCY. ERS, OR DESIGN CLARIFICATIONS TO THOSE ITEMS REGULATED BY THE CODES OR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH ANY OF THE			ACOUSTIC TILE/PANEL		ELEVATION POINT
ED FIELD CHANGE. LED IN ACCORDANCE WITH 2018 IBC SECTION 808.1.1.1 AND ASTM C 635 AND ASTM C			BATT INSULATION		DRAWING MATCH L
/ITH 2018 IBC SECTION 720 . ER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY EQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE.			SEMI-RIGID INSULATION		
AND 48" MAXIMUM ABOVE THE FLOOR OR GROUND. 2018 IBC SECTION 1010.1.9 . ID IN CONCEALED SPACES UNLESS EVIDENCE OF COMPLIANCE WITH 2018 IBC IRAL INSPECTOR FOR REVIEW AND APPROVAL. RESTRICTED BY COMBUSTIBILITY AND THE FLAME PROPAGATION PERFORMANCE			RIGID INSULATION	A61	1 BUILDING (SEE DW
2018 IBC SECTION 806. CONTRACTOR SHALL HAVE CERTIFICATE OF COMPLIANCE CATING COMPLIANCE WITH THIS CODE SECTION AS APPLICABLE TO THIS PROJECT				•	
E JOB SITE EVIDENCE OF CODE COMPLIANCE OF RATING OF WALL AND CEILING OR REVIEW BY FIRE AND STRUCTURAL FIELD INSPECTORS IN ACCORDANCE WITH				1 A63 —	WALL SEC (SEE DWC
LED IN UNDER-FLOOR AREAS, IN ATTIC SPACES AND ON ROOFS OR ELEVATED H THE INTERNATIONAL MECHANICAL CODE. ARDWARE INTENDED FOR OPERATION BY THE OCCUPANT, INCLUDING SWITCHES			ASPHALT PAVING		
BE PROVIDED AS REQUIRED BY THE INTERNATIONAL MECHANICAL CODE AND THE					AXX- X DETAIL RE (SEE DWC
teors no Colored extors the				<u>AX.XX-X</u>	DETAIL S
holdely hearing hall the deletion or movement of					INTERIOR ELEVATION
Nay affect the sprinkler performance. A sprinkler ikler contractor should be made to ensure that kler system is warranted. Any alteration deletions					SEE DWG. #1 @ SHT.
and documents. These are and inspection.					ROOM NAME ROOM NUMBER
al Licenses (IDOPL) plan			0	UMBER OF CCUPANTS CCUPANCY	 ACCESSORY USE AREA OF ROOM
			0		

LOCATION



RE: A82 WINDOW TYPES

RE: A82 DOOR SCHEDULE

I, RE: A81 & I81 FINISH SCHEDULE

FICATION DIVISION FICATION SECTION E: SHEET NOTES LIST

A21 S WITH VARIABLE HEIGHT, _L ELEVATION

TURE TYPE, RE: A42

E: REVISED BOX IN TITLE ENT PAGE

١E

ATCH BASIN

MEETING

INE

NTERLINE

IT

H LINE

ING SECTION MARK REF. DWG. #1 @ SHT. A61)

SECTION MARK REF. WG. #1 @ SHT. A63)

L REFERENCE DWG. #1 @ SHT. A71)

L SECTION MARK

FIONS HT. 151, 152, 153

150 SF/ AREA OF ROOM

FACTOR

G11	RAL TITLE SHEET CODE PLAN & DETAIL ASSEMBLIES
CIVIL C10	SITE PLAN
ARCHI ^T A11 A21 A22 A32 A43 A61 A73 A83 I12 I51 I71 I81	FLOOR PLAN LEVEL 1 TI FLOOR PLAN LEVEL 2 TI RCP LEVEL 2
M01.3 M12.3 M13.3	NICAL MECHANICAL COVER SHEET HVAC ZONE PLAN HVAC SECOND FLOOR PLAN HVAC ROOF PLAN HVAC DETAILS AND SCHEDULES
E01.3 E10.3 E22.3 E31.3 E32.3	RICAL ELECTRICAL COVERSHEET LIGHTING COMPLIANCE ELECTRICAL OVERALL PLAN ELECTRICAL DEMO FLOOR PLANS ELECTRICAL FLOOR PLANS ELECTRICAL FLOOR PLANS ELECTRICAL ROOF PLAN

DRAWING INDEX

E50.3 ELECTRICAL DETAILS AND SCHEDULES

PLUMBING P00.1 PLUMBING COVER SHEET

PROJECT DESCRIPTION

SCOPE OF WORK INCLUDES TENANT IMPROVEMENT WITHIN THE EXISTING SHOP BUILDING ON THE DISTRICT 3 CAMPUS. THE WORK INCLUDES: - TENANT IMPROVEMENT ON LEVEL TWO - ADDITION OF NEW MEP SYSTEMS TO ACCOMODATE TENANT

IMPROVEMENT LAYOUT - SCOPE OF WORK INCLUDES INSTALLATION OF FIRE SPRINKLER SYSTEM

CODE DATA

CODE REFERENCES ARE THOSE CURRENTLY ADOPTED BY CITY OF BOISE. 2018 INTERNATIONAL BUILDING CODE (IBC)

2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)2017 IDAHO STATE PLUMBING CODE2018 INTERNATIONAL MECHANICAL CODE (IMC)2018 INTERNATIONAL FUEL GAS CODE (IFGC)2017 NATIONAL ELECTRICAL CODE (NEC)2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)PROJECT ADDRESS:8150 WEST CHINDEN BOULEVARDBUILDING USE:VEHICLE MAINTENANCE AND REPAIR
(NO CHANGE)

SEE SHEET G 11

CONSTRUCTION TYPE:III- B (NO CHANGE)OCCUPANCY GROUP:F1 (EXISTING), B (PROPOSED)NUMBER OF STORIES:2 (NO CHANGE)BUILDING AREA:34.165 SF (NO CHANGE)FIRE SPRINKLER:UNDER SEPARATE PERMIT

OCCUPANCY COUNT

IMPROVEME RDE (208) ANT BI Z **[**-] \mathbf{n} DIS $\boldsymbol{\mathcal{O}}$ 50 L2 TENANT **IMPROVEMENT** PERMIT SET PROJECT DATE 23002 03-27-24 CHECKED DRAWN SS LB REVISED SHEET TITLE

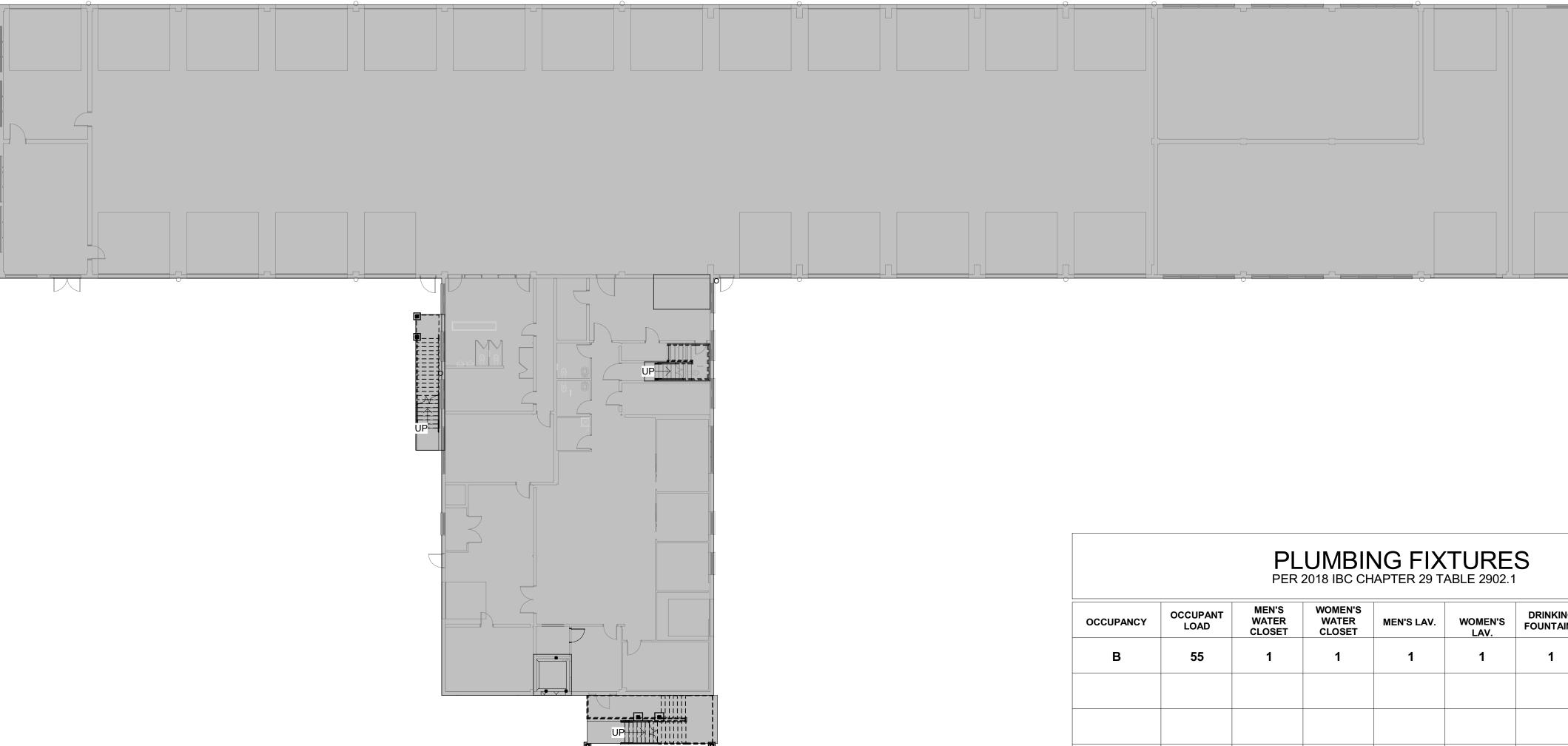
TITLE SHEET

 $\mathbf{G00}$

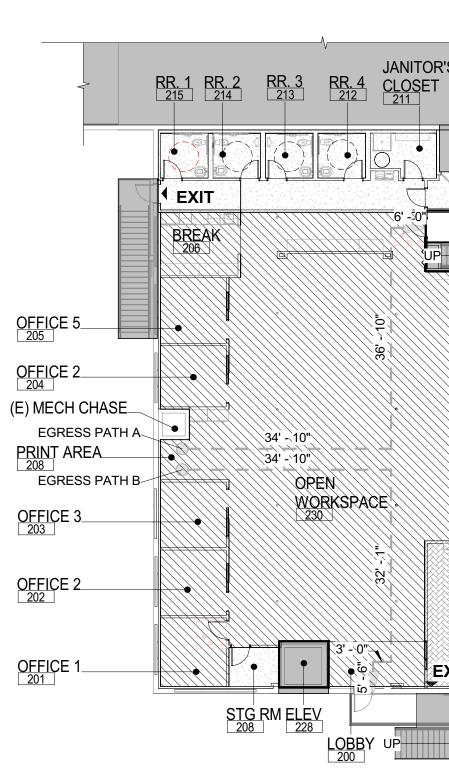
ORIGINAL SHEET SIZE 24" x 36"

SHEET





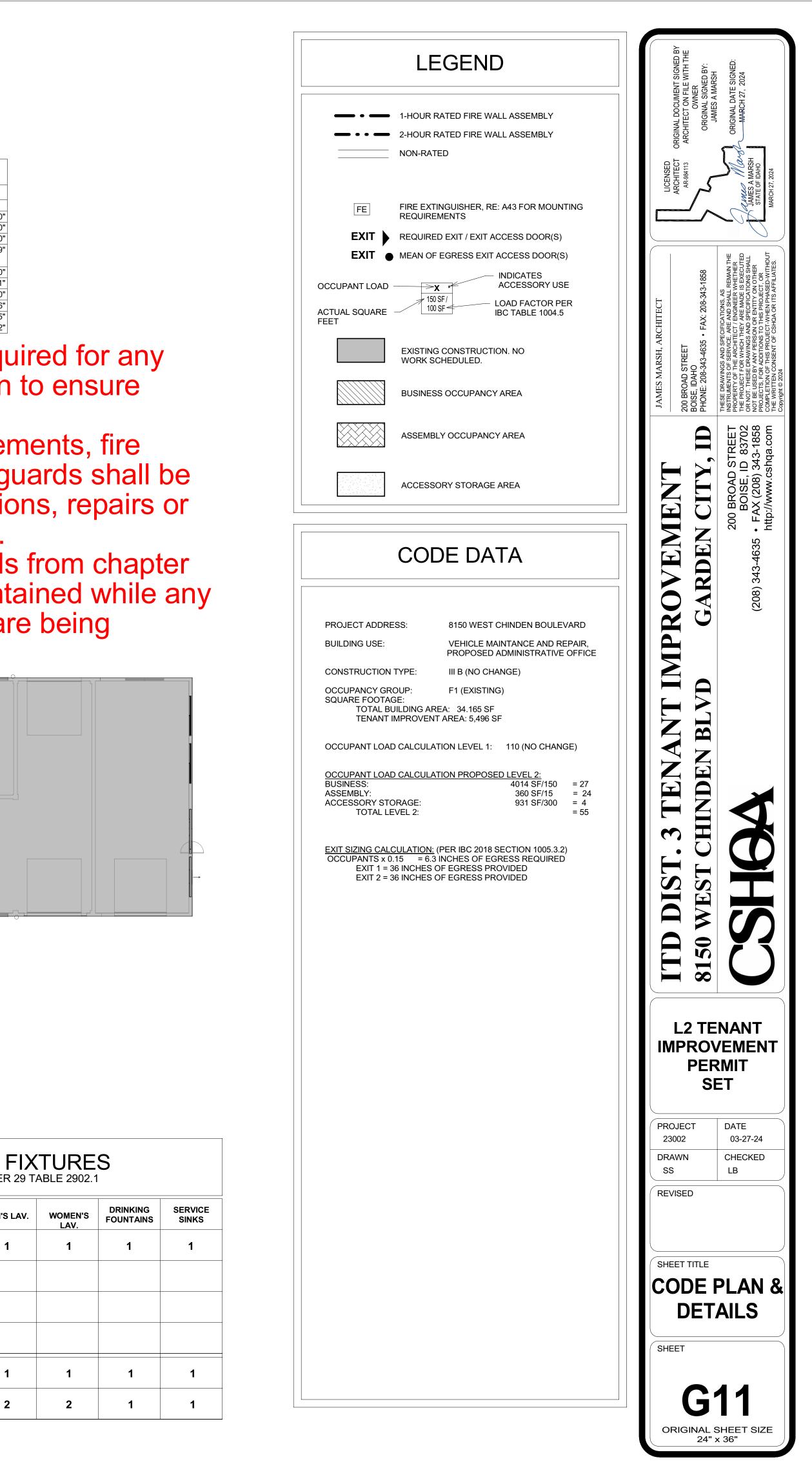




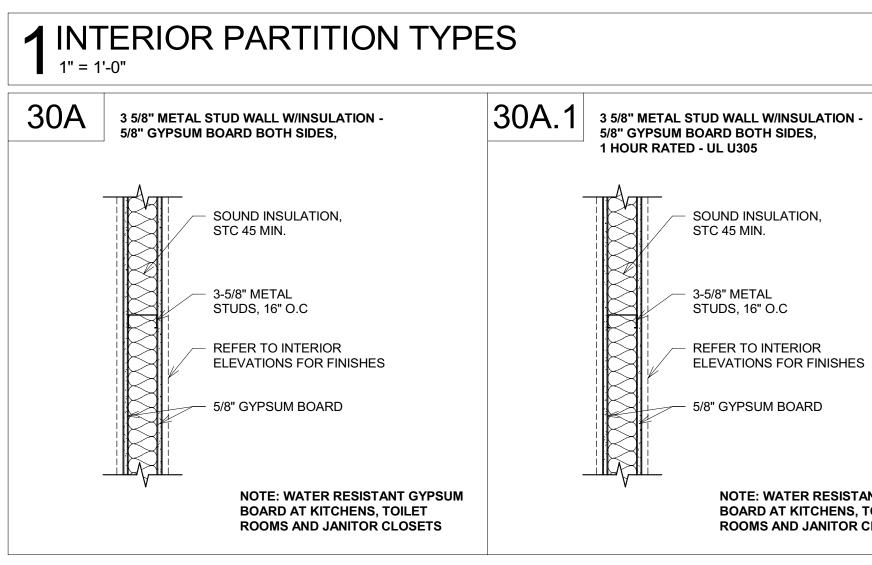
č'S	~					
•	EXISTING IT/					
	210 STORAGE 209		E	GRESS DA	ГА	
	(E) STAIR		Туре	EXIT ROUTE	DISTANCE	
	155		01 Start	EGRESS PATH A	34' - 10"	
			02 Middle	EGRESS PATH A	36' - 10"	
			03 End	EGRESS PATH A	6' - 0"	
			EGRESS PATH A: 3	•	77' - 9"	
			01 Start	EGRESS PATH B	34' - 10"	
			02 Middle	EGRESS PATH B	32' - 1"	
			02 Middle	EGRESS PATH B	3' - 0"	
			03 End	EGRESS PATH B	5' - 6"	
			EGRESS PATH B: 4		75' - 5"	
			Grand total: 7		153' - 2"	
	CONF ROOM	Construction s and all demoli public safety.				
	_ 207	Required exits protection dev maintained at	ices ar	nd sanitar	y safeg	uards sha
		additions to a				nis, iepai

additions to any building or structure. All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.

				NG FIX		
OCCUPANCY	OCCUPANT LOAD	MEN'S WATER CLOSET	WOMEN'S WATER CLOSET	MEN'S LAV.	WOMEN'S LAV.	DRINKING FOUNTAIN
В	55	1	1	1	1	1
TOTAL OCCUPANCY	55					
TOTAL FIXTURES REQUIRED		1	1	1	1	1
TOTAL FIXTURES PROVIDED		2	2	2	2	1







REFER TO INTERIOR
 ELEVATIONS FOR FINISHES

NOTE: WATER RESISTANT GYPSUM BOARD AT KITCHENS, TOILET ROOMS AND JANITOR CLOSETS

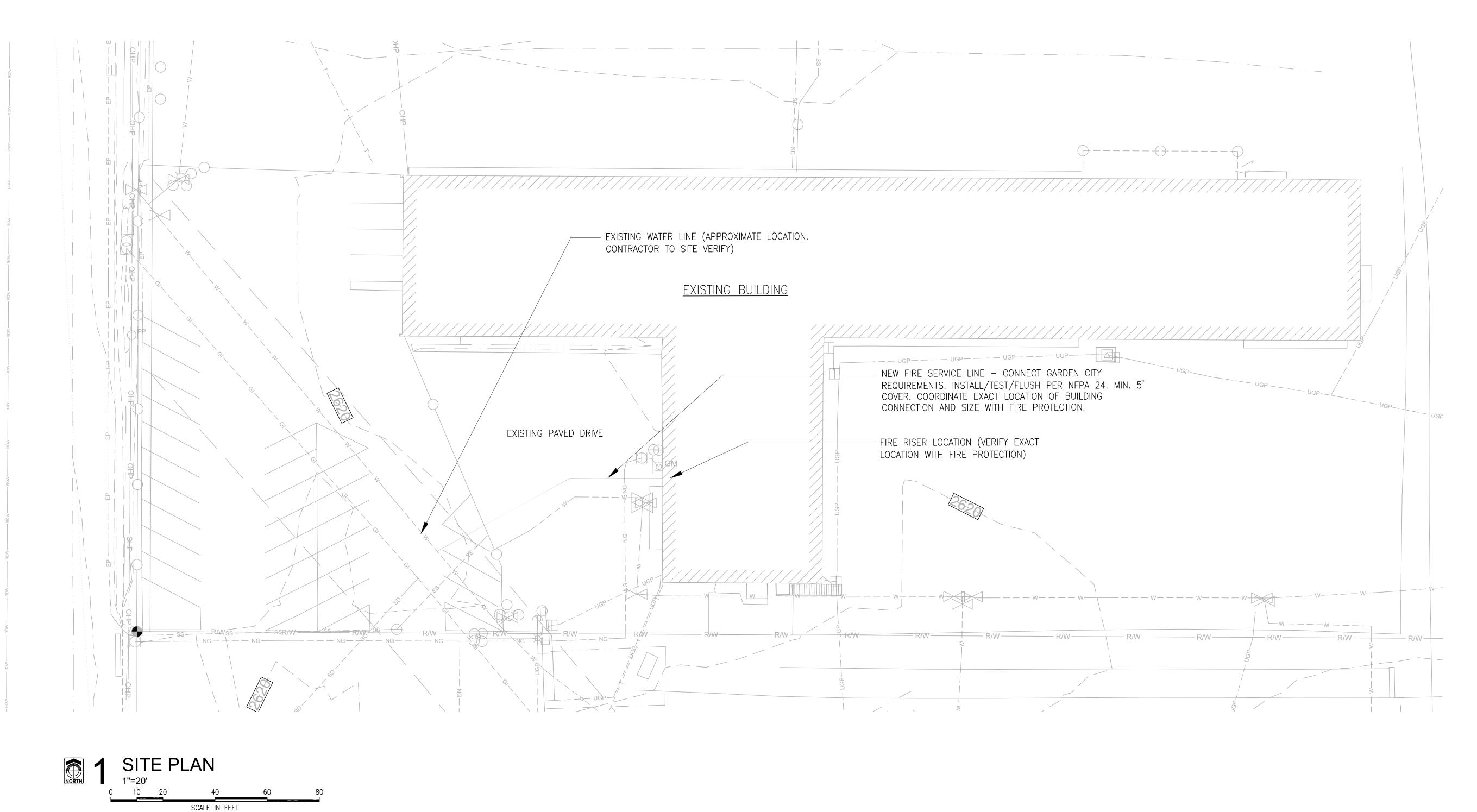
LEGEND: STUD SIZE INSULATION / HEIGHT SHEATHING XXX.X < RATING / DESIGNATOR (IF NEEDED)	STUD SIZE: NOMINAL NUMBER REFERS TO SIZE - 1 = 7/8" HAT CHANNEL 2 = 2.5" STUD 3 = 3 5/8" STUD 4 = 4" STUD 6 = 6" STUD 8 = 8" STUD
SHEATHING: A = 1 LAYERS OF GYP. BD. BOTH SIDES B = 1 LAYER OF GYP. BD. C = NO SHEATHING D = 1 LAYER OF PLYWOOD E = 2 LAYERS OF PLYWOOD F = 1 LAYER GYP. BD. 1 LAYER OF PLYWOOD	INSULATION & HEIGHT: 0 = INSULATION TO DECK 1 = NO INSULATION TO DECK 2 = INSULATION TO ABOVE CLG. 3 = NO INSULATION TO ABOVE CLG. 4 = PARTIAL HEIGHT
G = 2 LAYERS GYP. BD. BOTH SIDES H = 2 LAYERS GYP. BD. ONE SIDE 1 LAYER GYP. B.D J = 1 LAYER GYP. BD. ONE SIDE 1 LAYER PLY + 1 LAYER GYP. BD.	RATING / DESIGNATOR: 1 = 1 HOUR RATED 2 = 2 HOUR RATED 3 = 3 HOUR RATED 4 = 4 HOUR RATED D = DOUBLE STUD I = ISOLATION CLIP

GENERAL NOTES:

- 1. GC TO SEAL ALL PENETRATIONS W/ ACCOUSTICAL SEALANT AT TOILET ROOM, OFFICE AND CONFERENCE ROOM WALLS.
- 2. SET STUD TRACK ON BED OF ACCOUSTICAL SEALANT
- 3. STAGGER OPENINGS AS NECESSARY TO PREVENT SOUND TRANSFER

LICENSED	ARCHITECT ORIGINAL DOCUMENT SIGNED BY AR-984113 ARCHITECT ON FILE WITH THE OWNER	CRIGINAL SIGNED BY: JAMES A MARSH	Canus Mary ORI	R	MARCH 27, 2024
JAMES MARSH, ARCHITECT	200 BROAD STREET BOISE, IDAHO	PHONE: 208-343-4635 • FAX: 208-343-1858	THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT / ENGINEER WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED	OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR COMPI FITION OF THIS PROJECT, WHEN PHASED, WITHOUT	THE WRITTEN CONSENT OF CSHQA OR ITS AFFILIATES. Copyright © 2024
	I EINAIN I TIVIT KUUV EIVIEIN I	GARDEN CITY, ID	200 BROAD STREET ROISE ID 83702		
<pre>C</pre>		8150 WEST CHINDEN BLVD		くてこく、	
IN	IPR	O\ EF	NAM /EM RMIT ET	EN	T
23 DR SS	OJECT 3002 AWN S		DATE 03-2 CHEC LB	7-24	
	EET TIT SSI		1BL	.IE	S
			71	•	

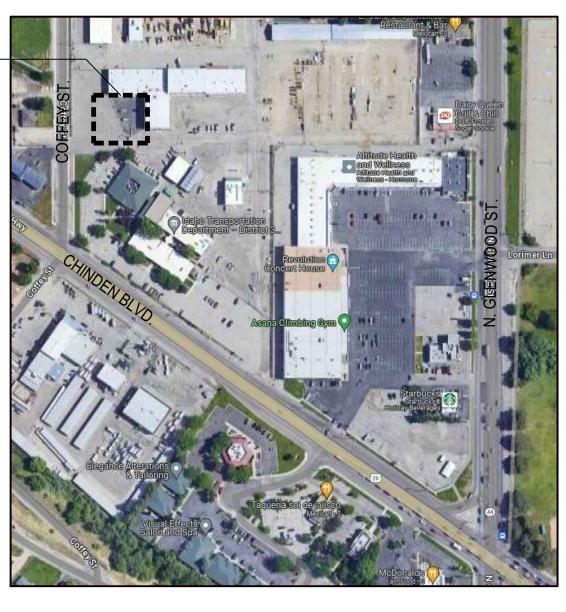




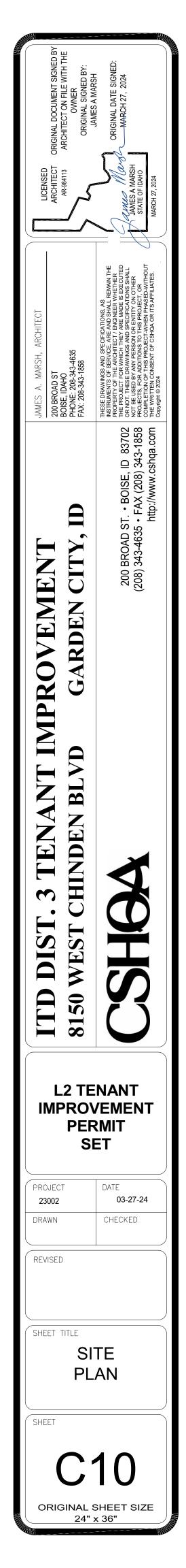
<u>NOTE:</u> UTILITY TRENCHING AND BACKFILLING SHALL BE IN ACCORDANCE WITH THE SOILS REPORT AND LOCAL REQUIREMENTS, AND SHALL COMPLY WIT ALL LOCAL, STATE, AND NATIONAL SAFETY STANDARDS.

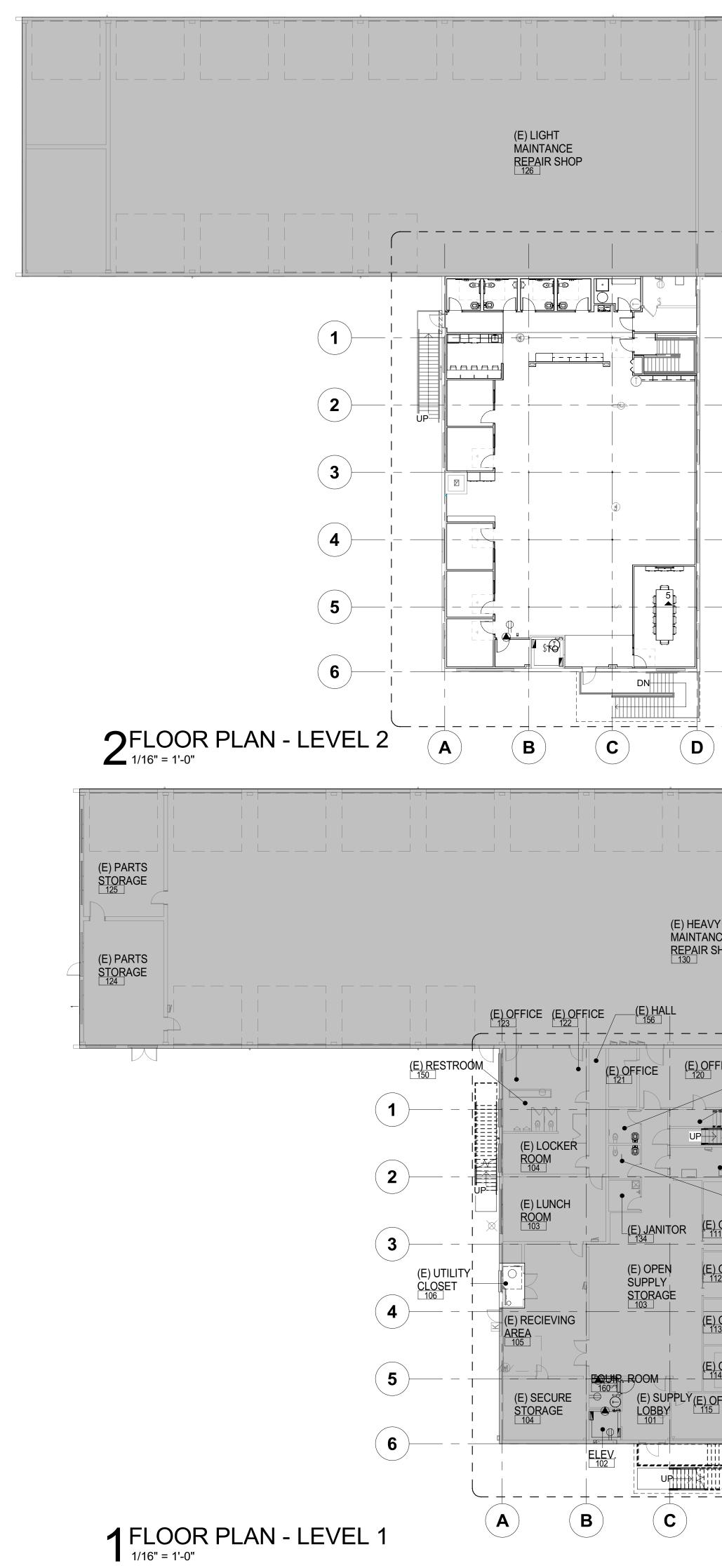
EXISTING UTILITIES ARE SHOWN APPROXIMATELY AND FOR GENERAL INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES.

ALL PAVEMENT REPAIR ONSITE PER ISPWC SD-301, SD-303 AND SD-806.

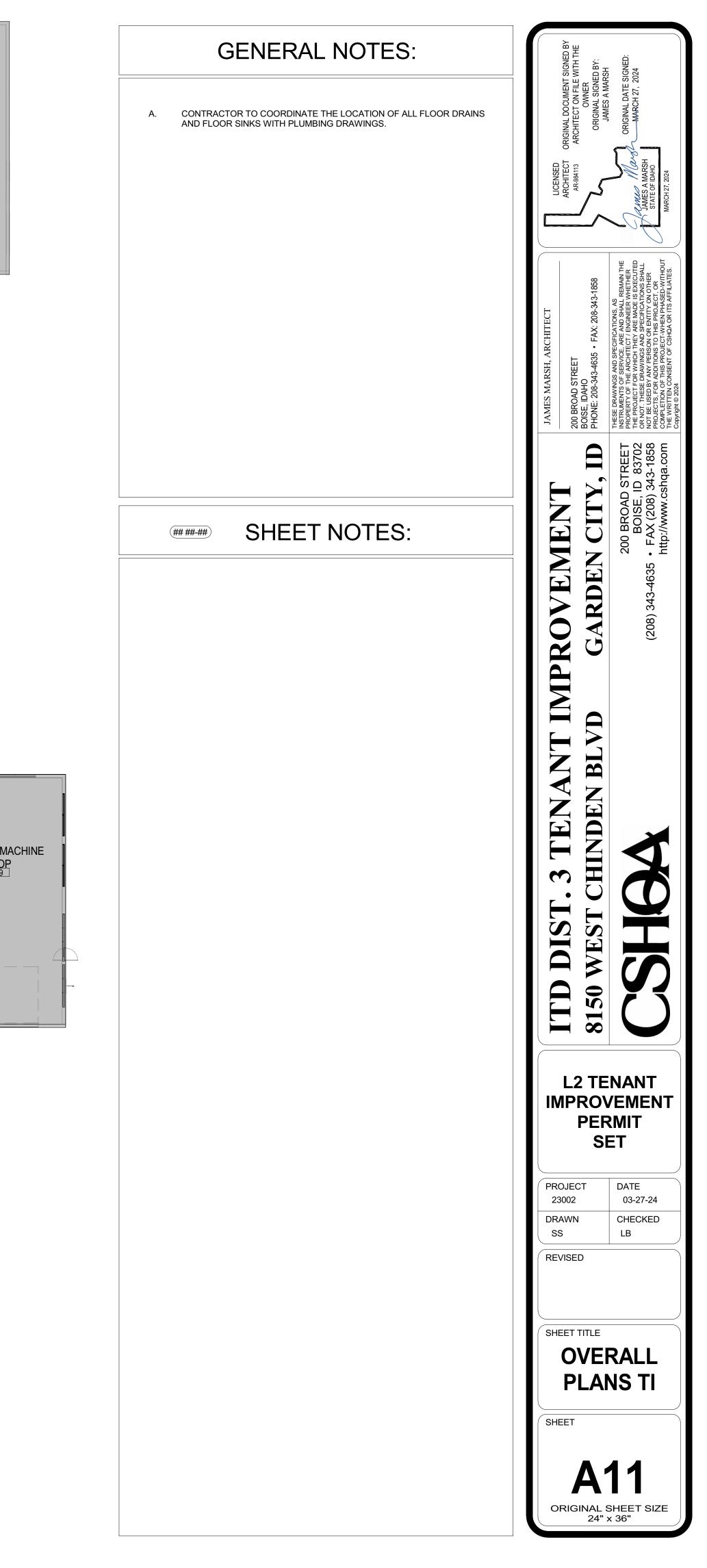




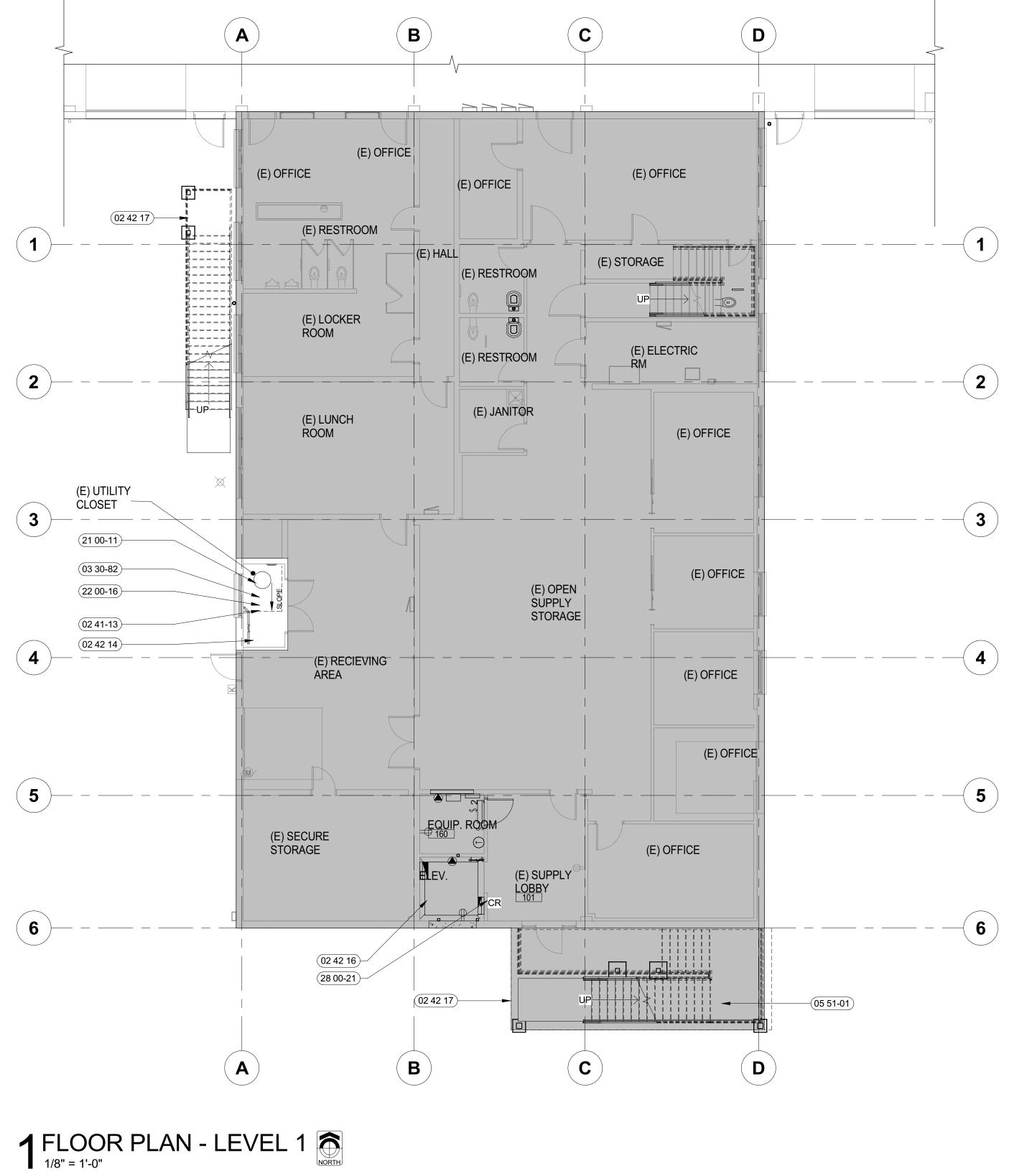




	A22- 1				(E) MACHINE SHOP		(E) MA SHOP 129
VY NCE SHOP FFICE	(E) RESTROOM 132 (E) STORAGE	1			(E) WELDING SHOP 128		







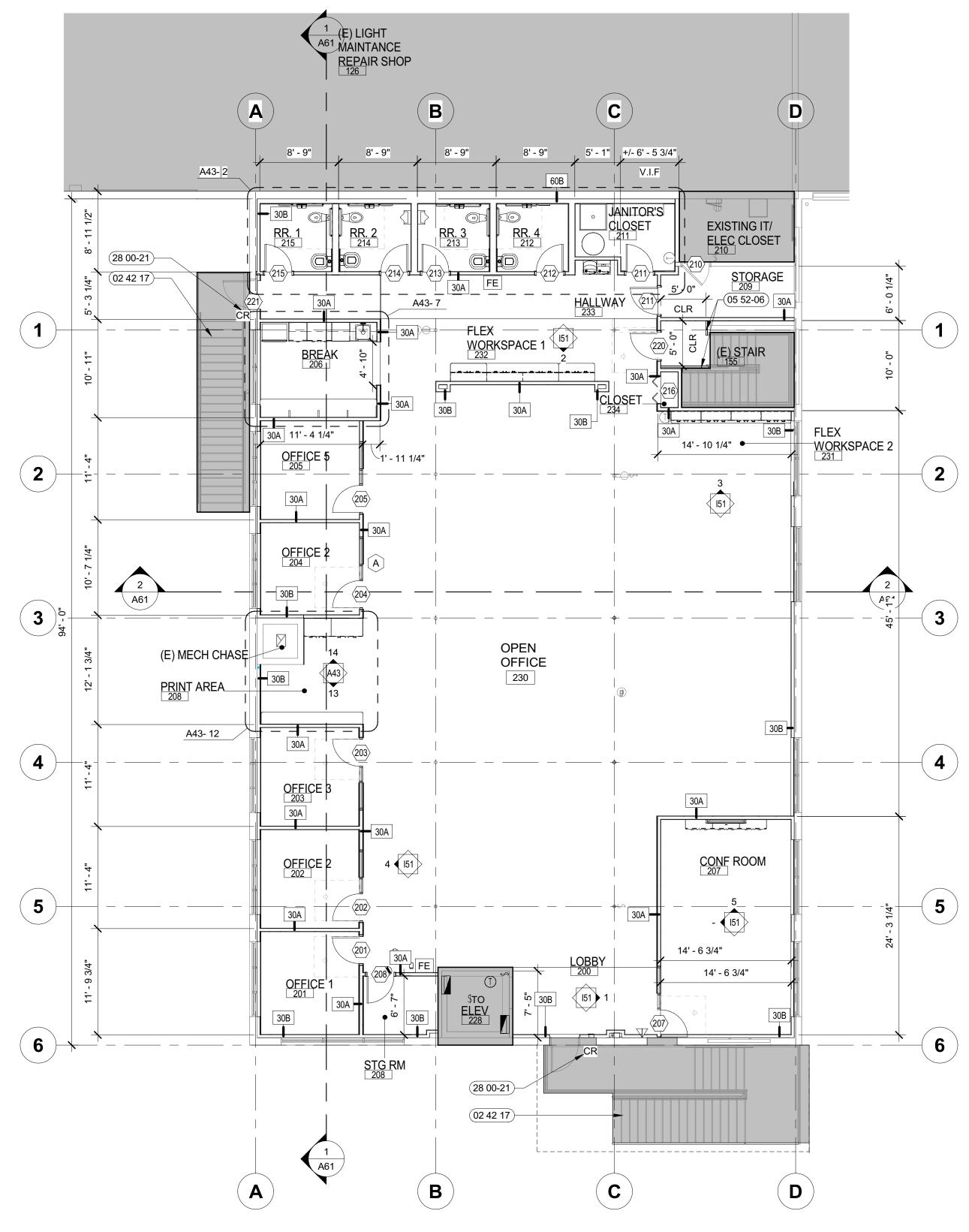
	LEGEND: SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED 101 DOOR NUMBER, RE: A82 DOOR SCHEDULE EXISTING CONSTRUCTION. NO WORK SCHEDULED. FOR REFERENCE ONLY.	LICENSED ARCHITECT AR-394113 ARCHITECT ON FILE WITH THE OWNER OWNER JAMES A MARSH JAMES A MARSH STATE OF IDAHO MARCH 27, 2024
	GENERAL NOTES:	JAMES MARSH, ARCHITECT 200 BROAD STREET 200 BROAD STREET BOISE, IDAHO PHONE: 208-343-4635 • FAX: 208-343-1858 THES DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT: THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT: THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT. OR COMPLETION OF THIS PROJECT. WHEN PRASED-WITHOUT THE WRITTEN CONSENT OF CSHQA OR ITS AFFILIATES.
A.	FINISH FLOOR ELEVATION (100.00) IS FOR REFERENCE ONLY. SEE	RET 83702 11858 1.com
В.	SEPARATE BOUND CIVIL SET FOR ACTUAL FLOOR ELEVATION.	D STF D STF () 343- cshqa
	MASONRY.	ELN CIT BOISE BOISE P://www.
C.	PROVIDE BLOCKING WHERE REQUIRED FOR FIXTURE INSTALLATION. COORDINATE WITH FIXTURE INSTALLER FOR MOUNTING HEIGHTS.	
D.	BRACE WALLS THAT DO NOT EXTEND TO STRUCTURE WITH 3 5/8" METAL STUD DIAGONAL BRACE AT 48" O.C., ANCHOR TO BOTTOM FLUTE OF ROOF DECKING AND AT TOP TRACK OF PARTITION WALL. BRACES TO BE CONCEALED WHENEVER POSSIBLE.	OVEN ARDEN 22 (208) 343-4635 •
E.	PROVIDE 5/8" GYP. BD. AT EXISTING EXTERIOR STUD FRAMED WALLS, FINISH.	8) 34;
F.	THE HINGE SIDE OF ALL DOOR FRAMES SHALL BE MOUNTED 4" FROM ADJACENT PERPENDICULAR WALL UNLESS NOTED OTHERWISE.	
G.	RE: I-SERIES FOR FURNITURE PLANS.	
H.	CONTRACTOR SHALL PROVIDE BLOCKING OR BACKING FOR ALL WALL MOUNTED AND RECESSED ACCESSORIES AND EQUIPMENT. ASSURE THAT ALL REQUIRED BACKING IS INSTALLED IN WALLS PRIOR TO INSTALLING DRYWALL. THIS INCLUDES BACKING FOR WALL-MOUNTED DOORSTOPS.	
I.	THE HINGE SIDE OF ALL DOOR FRAMES SHALL BE MOUNTED 4" MIN. FROM ADJACENT PERPENDICULAR WALL U.N.O.	
J.	SINKS AND FITTING SHOWN WITHIN MILLWORK ARE INDICATED ON PLUMBING PLANS.	
K.	CONTRACTOR SHALL FIELD MEASURE ALL AREAS TO RECEIVE MILLWORK PRIOR TO FABRICATION OF MILLWORK.	
L.	VERIFY ALL PLUMBING FIXTURES WITH PLUMBING DRAWINGS.	
М.	VERIFY ALL EXISTING FIELD CONDITIONS.	
N.	ALL EXISTING EXTERIOR WALLS TO REMAIN UNLESS OTHERWISE NOTED.	
Ο.	ALL INTERIOR COLUMNS TO REMAIN UNLESS OTHERWISE NOTED.	
	##### SHEET NOTES:	DIST TEST
02 41-13	SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF FIRE SPRINKLER RISER AND FLOOR DRAIN. REPOUR SLAB AFTER RISER AND FLOOR DRAIN INSTALLATION, TO MATCH EXISTING.	SI50 W

02 41-13	SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF FIRE SPRINKLER RISER AND FLOOR DRAIN. REPOUR SLAB AFTER RISER AND FLOOR DRAIN INSTALLATION, TO MATCH EXISTING.
02 42 14	EXISTING WATER LINE, PROTECT FROM DAMAGE.
02 42 16	ELEVATOR UNDER SEPARATE PHASE
02 42 17	EXTERIOR STAIR UNDER SEPARATE PHASE
03 30-82	SLOPE NEW POURED CONCRETE 1/4"=1'-0" TO DRAIN
05 51-01	FABRICATED PAINTED METAL STAIR, PAINT BLACK
21 00-11	FIRE RISER PER FIRE SPRINKLER SPECIFICATIONS, PROVIDE SIGNAGE PER IFC 510.1
22 00-16	FLOOR DRAIN PER PLUMBING PLANS. TOP OF DRAIN TO BE 1" BELOW TOP OF EXISTING CONCRETE FLOOR SLAB
28 00-21	ACCESS BADGE READER

L2 TENANT IMPROVEMENT PERMIT SET DATE PROJECT 03-27-24 23002 CHECKED DRAWN SS LB REVISED SHEET TITLE FLOOR PLAN LEVEL 1 TI SHEET A21

ORIGINAL SHEET SIZE 24" x 36"



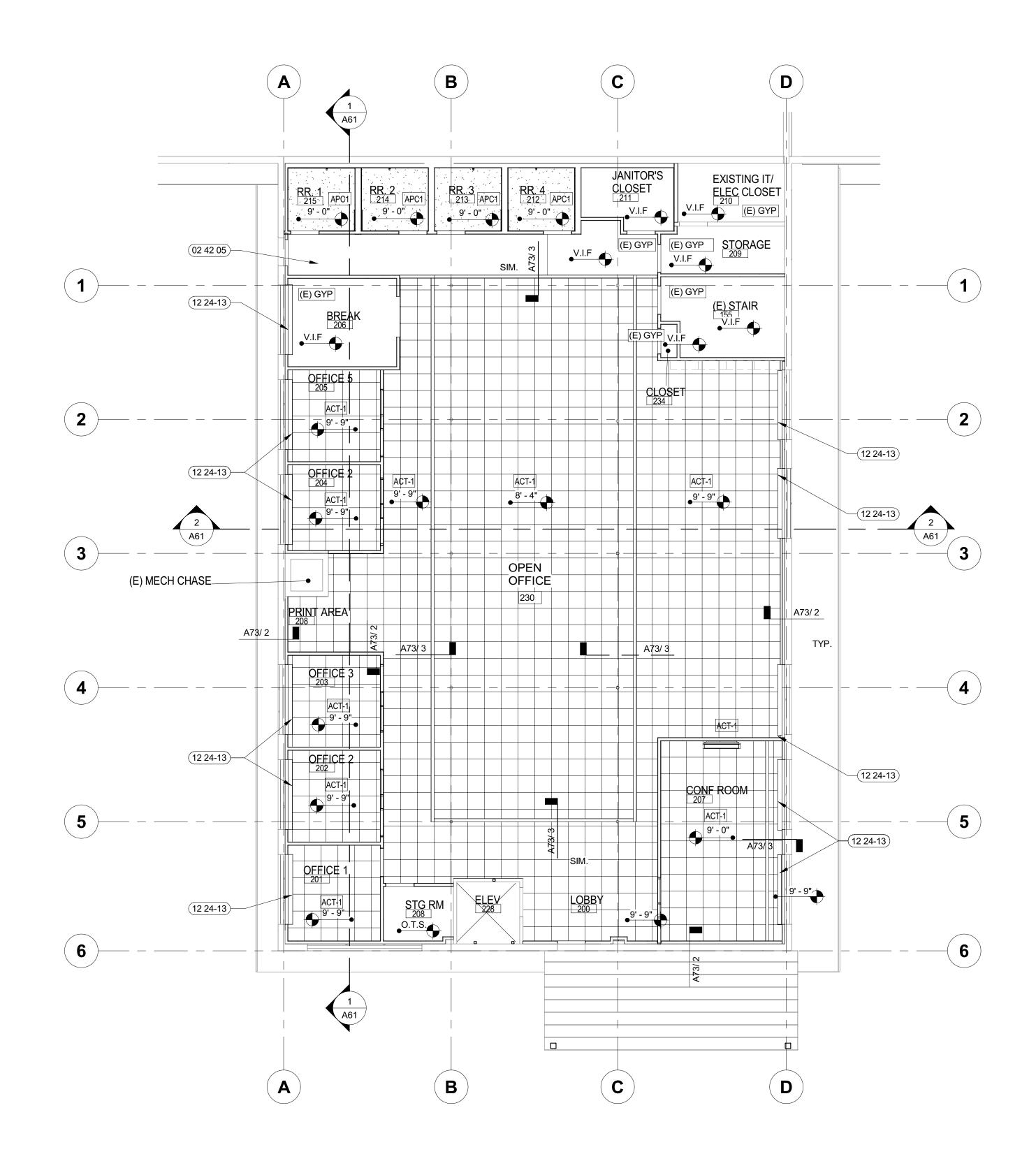




	LEGEND:	HE
		ORIGINAL DOCUMENT SIGNED BY ARCHITECT ON FILE WITH THE OWNER ORIGINAL SIGNED BY: JAMES A MARSH ORIGINAL DATE SIGNED: MARCH 27, 2024
	SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.	L DOCUMENT SIC TECT ON FILE WI OWNER JAMES A MARSH JAMES A MARSH GINAL DATE SIGN MARCH 27, 2024
=	INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED	ORIGINAL J. J. ORIG
	(101) DOOR NUMBER, RE: A82 DOOR SCHEDULE	
	EXISTING CONSTRUCTION. NO WORK SCHEDULED. FOR REFERENCE ONLY.	LICENSED ARCHITECT ARCHITECT AR.994113 JAMES A MARSH STATE OF IDAHO MARCH 27, 2024
	GENERAL NOTES:	JAMES MARSH, ARCHITECT 200 BROAD STREET 200 BROAD STREET BOISE, IDAHO PHONE: 208-343-4635 • FAX: 208-343-1858 THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SEEVICE. ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT / ENGINEER WHETHER INSTRUMENTS OF SEEVICE. ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT / ENGINEER WHETHER INSTRUMENTS OF SEEVICE. ARE AND SHALL PROPECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SEEVICE. ARE AND SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT. OR COMPLETION OF THIS PROJECT. WHEN PHASED-WITHOUT THE WITTEN CONSENT OF CSHOA OR ITS AFFILLATES.
A. B.	FINISH FLOOR ELEVATION (100.00) IS FOR REFERENCE ONLY.	STRI 0 8343-1
	MASONRY.	IENT, ID CITY, ID 200 BROAD STREET BOISE, ID 83702 FAX (208) 343-1858 http://www.cshqa.com
C.	PROVIDE BLOCKING WHERE REQUIRED FOR FIXTURE INSTALLATION. COORDINATE WITH FIXTURE INSTALLER FOR MOUNTING HEIGHTS.	CI BOI BOI BOI P://w/
D.	BRACE WALLS THAT DO NOT EXTEND TO STRUCTURE WITH 3 5/8" METAL STUD DIAGONAL BRACE AT 48" O.C., ANCHOR TO BOTTOM FLUTE OF ROOF DECKING AND AT TOP TRACK OF PARTITION WALL. BRACES TO BE CONCEALED WHENEVER POSSIBLE.	
E.	PROVIDE 5/8" GYP. BD. AT EXISTING EXTERIOR STUD FRAMED WALLS, FINISH.	OVEN ARDE1 (208) 343-4635
F.	THE HINGE SIDE OF ALL DOOR FRAMES SHALL BE MOUNTED 4" FROM ADJACENT PERPENDICULAR WALL UNLESS NOTED OTHERWISE.	
G.	RE: I-SERIES FOR FINISH AND FURNITURE PLANS.	
H.	CONTRACTOR SHALL PROVIDE BLOCKING OR BACKING FOR ALL WALL MOUNTED AND RECESSED ACCESSORIES AND EQUIPMENT. ASSURE THAT ALL REQUIRED BACKING IS INSTALLED IN WALLS PRIOR TO INSTALLING DRYWALL. THIS INCLUDES BACKING FOR WALL-MOUNTED DOORSTOPS.	
I.	SINKS AND FITTING SHOWN WITHIN MILLWORK ARE INDICATED ON PLUMBING PLANS.	
J.	CONTRACTOR SHALL FIELD MEASURE ALL AREAS TO RECEIVE MILLWORK PRIOR TO FABRICATION OF MILLWORK.	
K.	VERIFY ALL PLUMBING FIXTURES WITH PLUMBING DRAWINGS.	
L.	VERIFY ALL EXISTING FIELD CONDITIONS.	
N.	ALL INTERIOR COLUMNS TO REMAIN UNLESS OTHERWISE NOTED.	3 TH
	###### SHEET NOTES: 42 17 EXTERIOR STAIR UNDER SEPARATE PHASE 52-06 METAL GUARDRAIL TO MATCH EXISTING	TD DIST.
28 0	00-21 ACCESS BADGE READER	L2 TENANT IMPROVEMENT PERMIT SET

	ZEMENT RMIT ET				
PROJECT 23002	DATE 03-27-24				
DRAWN SS	CHECKED LB				
REVISED					
SHEET TITLE					
FLOOF	R PLAN				
LEVE	L 2 TI				
SHEET					
	22				
ORIGINAL SHEET SIZE 24" x 36"					

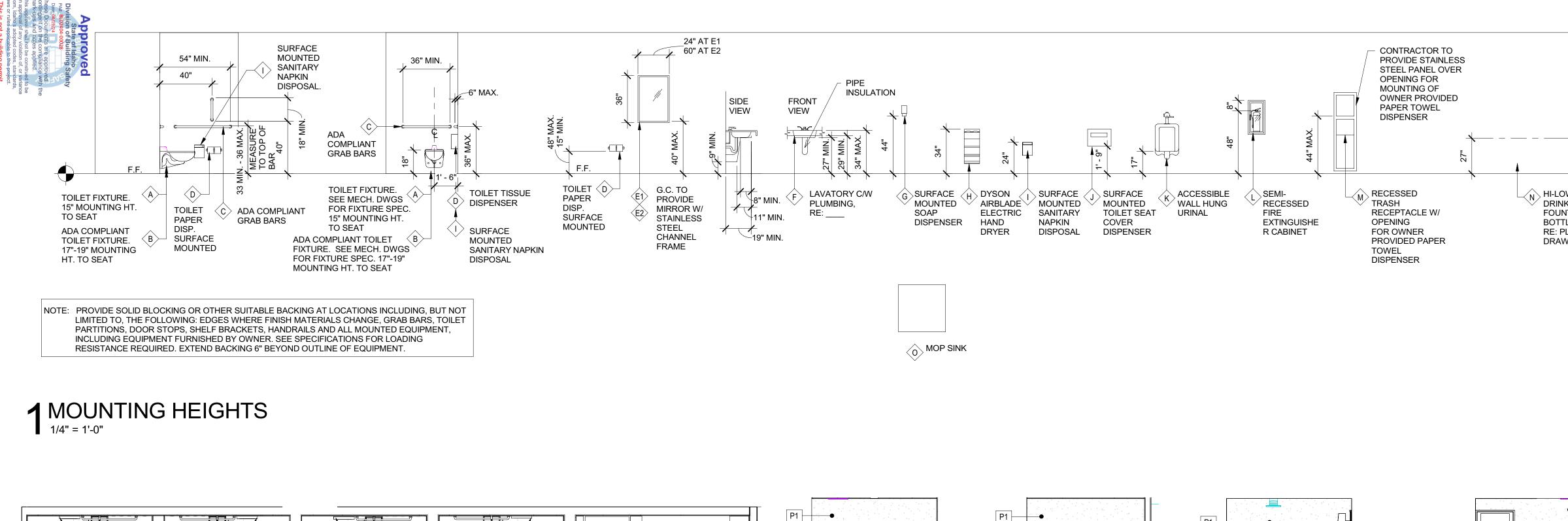


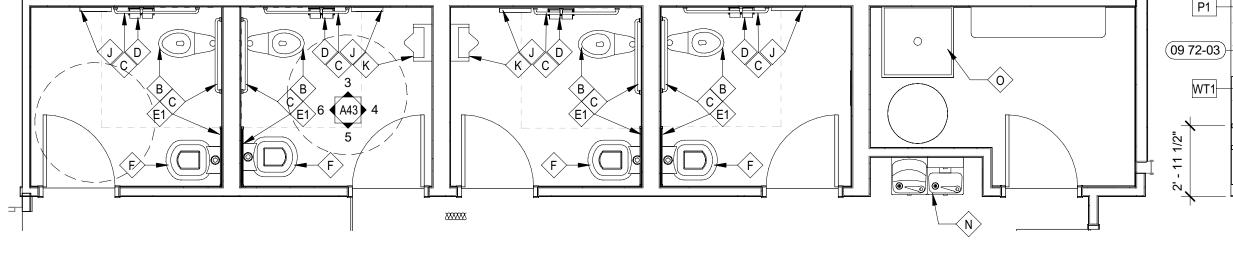




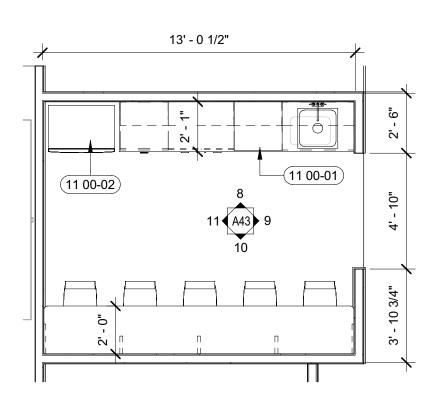
NORTH

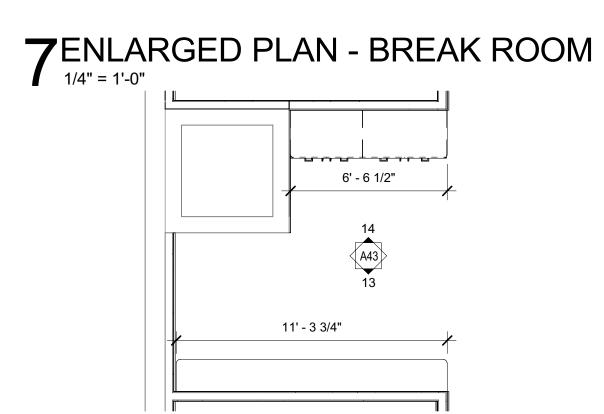
LEGEND:	ORIGINAL DOCUMENT SIGNED BY ARCHITECT ON FILE WITH THE OWNER ONNER JAMES A MARSH ORIGINAL BATE SIGNED: MARCH 27, 2024
SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.	SINAL DOCUMENT SIGNE CHITECT ON FILE WITH T OWNER ORIGINAL SIGNED BY: JAMES A MARSH ORIGINAL DATE SIGNED: MARCH 27, 2024
INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED.	INAL DOC CHITECT C O D JAME D RIGINAL
00 00-01 SHEET NOTE, RE: SHEET NOTES LIST ON CURRENT PAGE. X-# MATERIAL DESIGNATION, RE: FINISH SCHEDULE I81	8
X'-X" INDICATES FINISH CEILING OR SOFFIT HEIGHT ABOVE	LICENSED ARCHITECT AR-984113 AR-984113 AR-984113 ARCH 27, 2024
DATUM, FINISH FLOOR.	LICENSI ARCHITE AR-9841 JAMES A MAF STATE OF IDAH
CEILING ACCESS PANEL	
	S IN THE LER CUTED SHALL ER THOUT TES.
	ES MARSH, ARCHITECT OAD STREET IDAHO :: 208-343-4635 • FAX: 208-343-1858 :: 208-343-4635 • FAX: 208-343-1858 RAWINGS AND SPECIFICATIONS, AS MENTS OF STERVICE. ARE AND SHALL REMAIN THE REVITS OF STERVICE. ARE AND SHALL REMAIN THE ITY OF THE ARCHITECT / ENGINEER WHETHER DISED BY ANY PERSION OF THIS PROJECT. OR THESE DRAWINGS AND SPECIFICATIONS SHALL USED BY ANY PERSION OF THIS PROJECT. ON THESE DRAWINGS AND SPECIFICATIONS SHALL USED BY ANY PERSION OF THIS PROJECT. ON THESE DRAWINGS AND STOLET. ON THESE DRAWINGS AND SPECIFICATIONS SHALL USED BY ANY PERSION OF THIS PROJECT. ON THEN CONSENT OF CSHQA OR ITS AFFILIATES.
GENERAL NOTES:	AMES MARSH, ARCHITECT 0 BROAD STREET 0 BROAD STREET 0 SE, IDAHO 10NE: 208-343-4635 • FAX: 208-343 40NE: 208-340 SPECIFICATIONS, AS 5 PROJECT FOR WHICH THEY ARE MADEI 10 THE STER OF THE ARCHITECT / ENGINEER V DEPEND OF THE ARCHITECT / ENGINEER V DEPEND OF THE ARCHITECT / ENGINEER V DEPEND OF THE ARCHITECT / ENGINEER V DUCT. THESE DRAWINGS AND SPECIFICATION OF THIS PROJECT-WHEN PHAS WILLETION OF THIS PROJECT-WHEN PHAS
A. CONTRACTOR TO VERIFY & COORDINATE DUCT LAYOUT WITH CURB AND	MARSH, ARCHITF D STREET AHO (08-343-4635 • FAX: 7 AHO (08-343-4635 • FAX: 7 AHO (08-343-4635 • FAX: 7 AHO (08-343-4635 • FAX: 7 AHO (08-343-4635 • FAX: 7 AHO (07-7 FOR WHICH THEY ARE AND SECT / AND SEP ESE DRAWINGS AND SEP EDB AND TORS AND SEP FOR ADDITION OR E FOR ADDITION OR THIS FOR ADDITION OR C FOR ADDITION OR C
ROOF PENETRATION LOCATIONS.B. ALL DIMENSIONS ARE FOR GENERAL ARRANGEMENT & LOCATION ONLY.	S MARS AD STR DAHO 208-343 208-343 208-343 208-343 208-343 2024
ACTUAL REQUIREMENTS & DIMENSIONS SHOULD BE VERIFIED AND COORDINATED WITH EQUIPMENT, SHOP DRAWING SUBMITTALS AND STRUCTURAL FRAMING.	JAMES MARSH, AR JAMES MARSH, AR 200 BROAD STREET BOISE, IDAHO PHONE: 208-343-4635 • THESE DRAWINGS AND SPEC INSTRUMENTS OF SERVICE. INSTRUMENTS OF SERVICE. PROPERTY OF THE ARCHITE THE PROJECT FOR WHICH TH OR NOT. THESE DRAWINGS NOT BE USED BY ANY PERSO PROJECTS, FOR ADDITIONS COMPLETION OF THIS PROJE THE WRITTEN CONSENT OF COPYIGH © 2024
C. NO PLUMBING VENTS OR EXHAUST UNITS WITHIN 10'-0" OF INTAKE OR 10'-0" OF EXTERIOR WALL.	
D. EXISTING EXPOSED CEILING/ROOF STRUCTURE TO REMAIN U.O.N.	V, ID STREE ID 8370 343-1856 shqa.con
E. SEE 1/A73 FOR TYPICAL SUSPENDED CEILING SYSTEM DETAILF. SEE MEP DRAWINGS FOR EXISTING AND NEW DUCT, OUTLETS AND LIGHTING	
LOCATIONS.	IEN CIT 200 BROA BOISE FAX (208 http://www.
	OVEN ARDE1 (208) 343-4635
	AR AR 1 2 2 2 2 2 2 3 3
	E DE
#### SHEET NOTES:	
02 42 05 EXISTING GYP CEILING 12 24-13 ROLLER WINDOW SHADES, SEE A73	LS Y
	EST
	L2 TENANT IMPROVEMENT
	PERMIT
	SET
	PROJECT DATE
	23002 03-27-24 DRAWN CHECKED
	SS Checker
	SHEET TITLE
	RCP LEVEL 2
	SHEET
	A 32
	ORIGINAL SHEET SIZE 24" x 36"

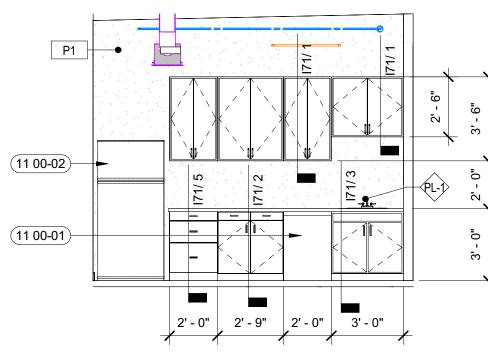




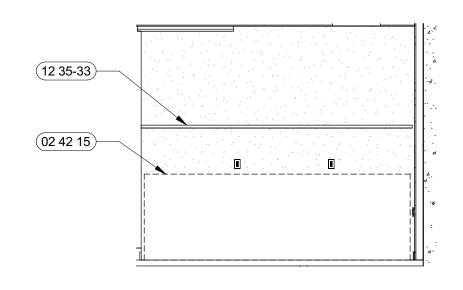






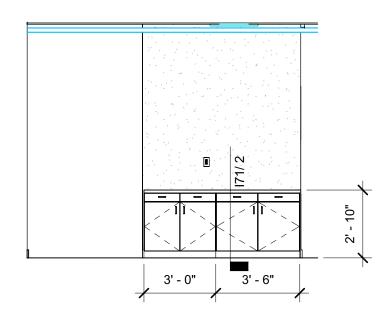




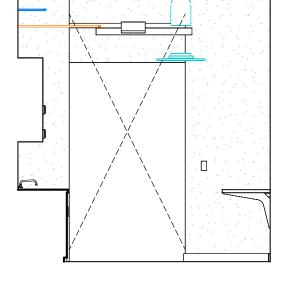


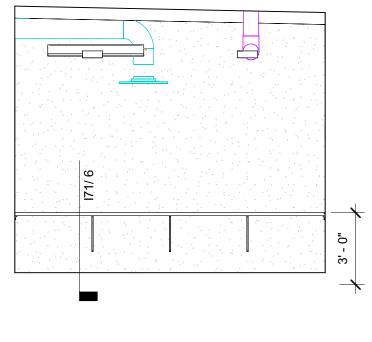




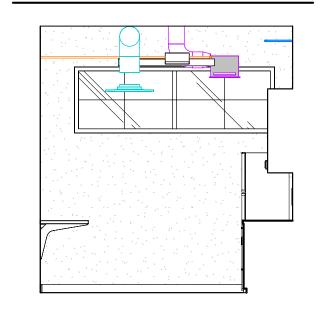




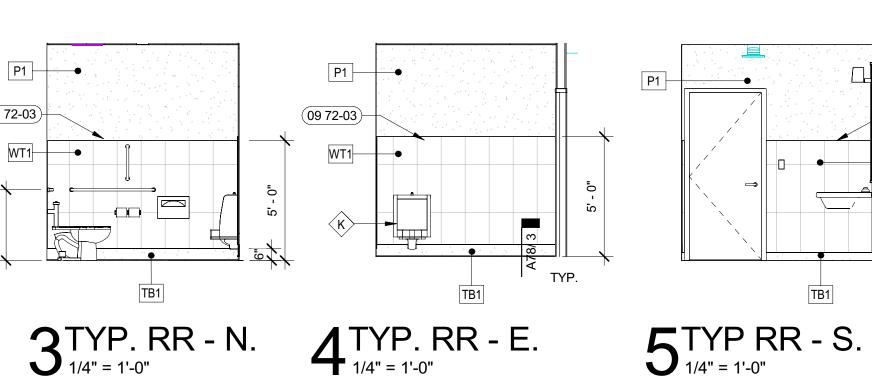


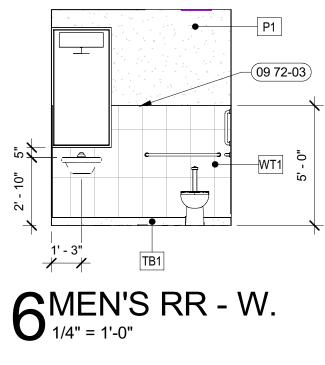


10^{BREAK} - S.



1 1 BREAK - W. $\frac{1}{4''} = \frac{1}{0''}$

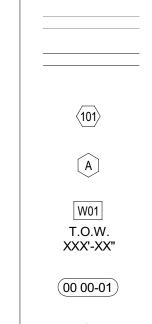




-(09 72-03)

WT1

DRINKING FOUNTAIN WITH BOTTLE FILLER **RE: PLUMBING** DRAWINGS





Ε.

G.

NOTED.

WALL TYPE, RE: A21 FOR WALL TYPES WITH VARIABLE HEIGHT, SEE TOP OF WALL ELEVATION SHEET NOTE, RE: SHEET NOTES LIST ON CURRENT PAGE

LEGEND:

DOOR NUMBER, RE: A82 DOOR SCHEDULE

WINDOW TYPE, RE: A82 WINDOW TYPES

SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS

TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.

INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED

INTERIOR ELEVATIONS SEE DWG. #1 @ SHT. I51, I52, I53

GENERAL NOTES:

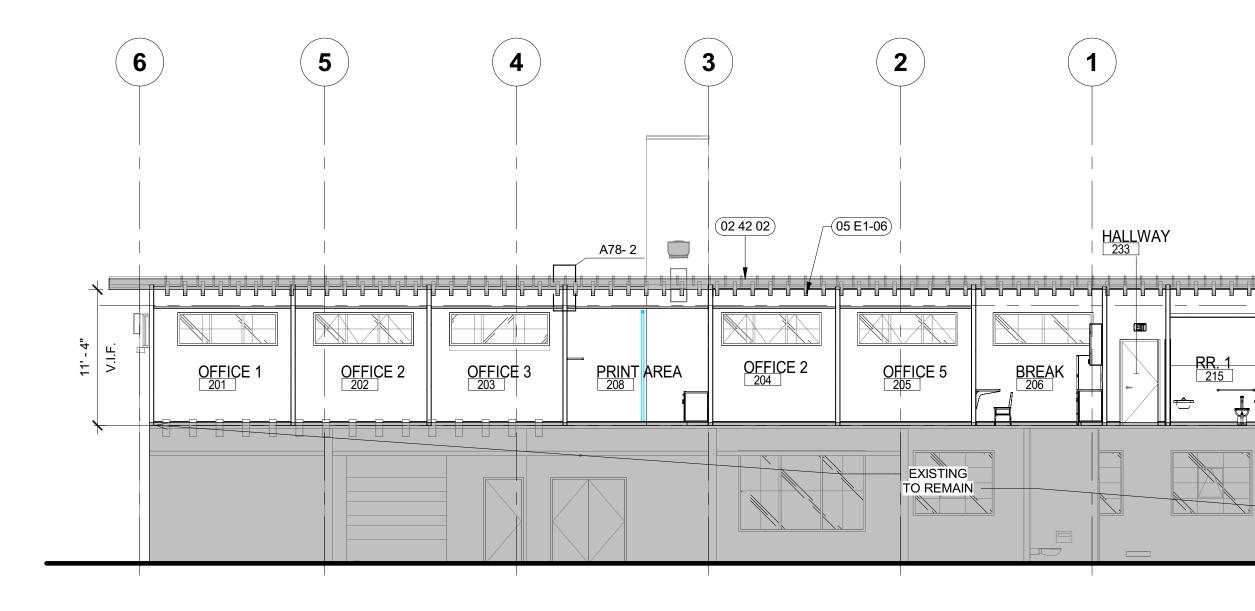
- FINISH FLOOR ELEVATION (100.00) IS FOR REFERENCE ONLY. SEE Α. SEPARATE BOUND CIVIL SET FOR ACTUAL FLOOR ELEVATION.
- В. ALL WALL DIMENSIONS ARE TO FACE OF STUD AND/OR NOMINAL FACE OF MASONRY.
- PROVIDE BLOCKING WHERE REQUIRED FOR FIXTURE INSTALLATION. C. COORDINATE WITH FIXTURE INSTALLER FOR MOUNTING HEIGHTS. BRACE WALLS THAT DO NOT EXTEND TO STRUCTURE WITH 3 5/8" METAL D.
- STUD DIAGONAL BRACE AT 48" O.C., ANCHOR TO BOTTOM FLUTE OF ROOF DECKING AND AT TOP TRACK OF PARTITION WALL. BRACES TO BE CONCEALED WHENEVER POSSIBLE.
- PROVIDE 5/8" GYP. BD. AT EXISTING EXTERIOR STUD FRAMED WALLS,
- THE HINGE SIDE OF ALL DOOR FRAMES SHALL BE MOUNTED 4" FROM ADJACENT PERPENDICULAR WALL UNLESS NOTED OTHERWISE. RE: I-SERIES FOR FURNITURE PLANS.
- CONTRACTOR SHALL PROVIDE BLOCKING OR BACKING FOR ALL WALL MOUNTED AND RECESSED ACCESSORIES AND EQUIPMENT. ASSURE THAT ALL REQUIRED BACKING IS INSTALLED IN WALLS PRIOR TO INSTALLING DRYWALL. THIS INCLUDES BACKING FOR WALL-MOUNTED DOORSTOPS.
- THE HINGE SIDE OF ALL DOOR FRAMES SHALL BE MOUNTED 4" MIN. FROM ADJACENT PERPENDICULAR WALL U.N.O.
- SINKS AND FITTING SHOWN WITHIN MILLWORK ARE INDICATED ON J. PLUMBING PLANS.
- CONTRACTOR SHALL FIELD MEASURE ALL AREAS TO RECEIVE MILLWORK Κ. PRIOR TO FABRICATION OF MILLWORK. VERIFY ALL PLUMBING FIXTURES WITH PLUMBING DRAWINGS. REFER TO
- PLUMBING DRAWINGS FOR FOR FIXTURE SPECS OWNER TO PROVIDE PLUMBING ACCESSORIES UNLESS OTHERWISE Μ.

SHEET NOTES: (## ##-##)

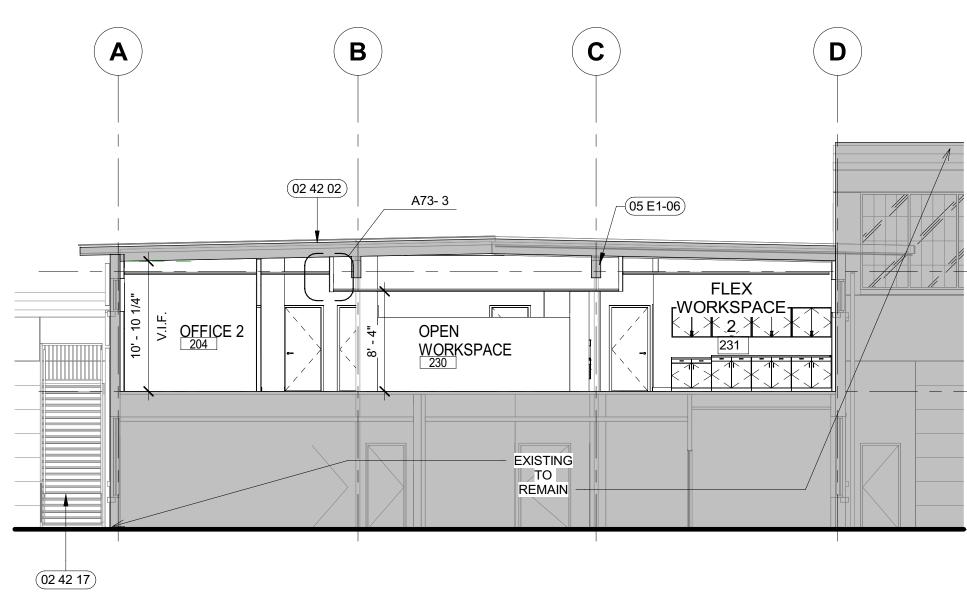
02 42 15 OWNER PROVIDED PRINTING EQUIPMENT SCHLUTER TRIM PIECE, ON TOP OF WALL TILE 09 72-03 11 00-01 UNDER COUNTER DISHWASHER, PROVIDED BY OWNER. COORDINATE SIZE WITH MILLWORK CONTRACTOR AND COORDINATE WITH DESIGN-BUILD PLUMBING AND ELECTRICAL DRAWINGS 11 00-02 REFRIGERATOR PROVIDED BY OWNER, COORDINATE SIZES WITH MILLWORK CONTRACTOR AND COORDINATE WITH PLUMBING AND ELECTRICAL DRAWINGS 12 35-33 ADJUSTABLE WALL HUNG WOOD SHELF

21 200 BR BOISE, PHONE THE NULLER THE NULLER STATE IREET 83702 3-1858 N ⊡ ¥ NEN C 200 _ LL_ 🛓 \mathbf{H} VE RD (208) RO じ IMP BI r-1TE P \mathbf{n} DIST S **ITD** 20 81 **L2 TENANT IMPROVEMENT** PERMIT SET PROJECT DATE 23002 03-27-24 CHECKED DRAWN SS Checker REVISED **ENLARGED** PLANS & **ELEVATIONS** SHEET **A43** ORIGINAL SHEET SIZE 24" x 36"





1 BUILDING SECTION 1 1/8" = 1'-0"



2 BUILDING SECTION 2

<u>B.O. (E) LOWER ROOF</u> 121' - 6"

LEVEL 2 111' - 6"

LEVEL 1 100' - 0"

HALLWAY

(EXT

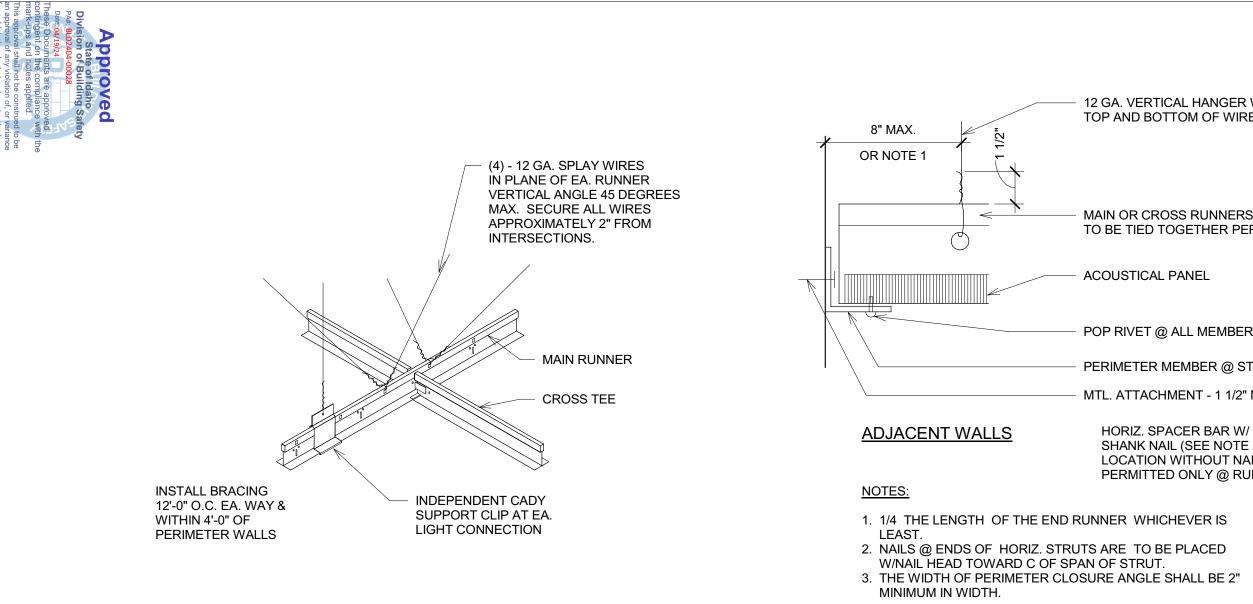
RR. 1 215

_____B.O. (E) LOWER ROOF 121' - 6"

LEVEL 2 111' - 6"

- L<u>EVEL 1</u> 100' - 0"

SIGNED BY WITH THE ED BY: ED BY: RSH SIGNED: 024) :	LEGENI	
LICENSED ARCHITECT ARCHITECT ARCHITECT ORIGINAL DOCUMENT SIGNED BY AR:0000000 ARCHITECT ON FILE WITH THE OWNER OWNER AMARSH ORIGINAL SIGNED BY: JAMES A MARSH			
CHITECT • FAX: 208-343-1858 • FAX: 208-3458 • FAX: 208-345	OTES:	GENERAL N	
MES MARSH, ARCHITECT IBROAD STREET ISE, IDAHO ONE: 208-343-4635 • FAX: 208-343-1858 SE DRAWINGS AND SPECIFICATIONS, AS REUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROJECT FOR WHICH THEY ARE AND SHALL REMAIN THE	O SURROUNDING ITION TO LIKE NEW CONDITION. DICATED ON THE DRAWINGS. INE THE EXISTING	MAINTAIN THE INTEGRITY OF ALL REM. RATINGS. REPAIR ANY DAMAGE DONE AREAS/CONSTRUCTION DURING DEMO ALL EXISTING CONDITIONS ARE NOT IN CONTRACTOR SHALL CAREFULLY EXA INSTALLATION AND ALL PROJECT DRA	A. B.
JAM JAM 200 Bf BOISE BOISE PHON FILESE ITHESE ITHE PR		WITH THE SCOPE OF WORK. CLEAN CONSTRUCTION DEBRIS AND D	C.
TREET B3702		CONSTRUCTION LIMITS. VERIFY ALL DIMENSIONS IN FIELD.	D.
	AL DRAWINGS FOR SCOPE OF	REFER TO ELECTRICAL AND MECHANI ELECTRICAL AND MECHANICAL WORK	E.
EN CITY BOISE, TAX 200 BROAD	EMAIN (INCLUDING BUT NOT ETC.) CAUSED BY DEMOLITION IL, MECHANICAL, AND ITEMS NOT REPARABLE TO ERIALS, INCLUDING CEILING,	CONTRACTOR SHALL PATCH AND REP PENETRATIONS AT ALL ELEMENTS TO LIMITED TO WALLS, CEILINGS FLOORS ACTIVITIES OR REMOVAL OF ELECTRIC ARCHITECTURAL ELEMENTS. REPLAC ORIGINAL STATE. EXISTING FINISH MA TRIM, ETC. SHALL BE PROTECTED AND	F.
OVEN ARDEI	REFER TO DEMOLITION PLANS	OTHERWISE NOTED. DEMOLITION NOT SHOWN ON SECTION FOR SCOPE OF DEMOLITION WORK.	G.
[PRO] GA]	OR REFERENCE ONLY,	FURNITURE AND EQUIPMENT SHOWN RE: 112	Н.
ITD DIST. 3 TENAN 8150 WEST CHINDEN BL	N	##### SHEETNO EXISTING ROOF STRUCTURE TO REMARE EXISTING ROOF STRUCTURE TO REMARE EXISTING STRUCTURE TO REMARE EXISTING STRUCTURE TO REMARE	02 42 02 02 42 17 05 E1-06
L2 TENAN IMPROVEME PERMIT SET			
PROJECT DATE 23002 03-27-2			
DRAWN CHECKI SS Checke			
REVISED			
SHEET TITLE BUILDING SECTION			
SHEET A61 ORIGINAL SHEET S 24" x 36"			



WALL FRAMING AS

LK U

OCCURS; RE: FLORO PLAN

MOUNT ROLLER SHADE

HEADER TRACK AT TOP

ALUMINUM WINDOW SYSTEM,

OF WINDOW TO WALL

RE: MATERIAL KEY.

SHADE CLOTH, RE: INTERIOR ELEVATIONS &

RE: WINDOW TYPES

MATERIAL KEY.

- FINISH MATERIAL, RE: INTERIOR ELEVATIONS.

1 SUSPENDED CEILING SYSTEM

FR

4 ROLLER SHADE DETAIL

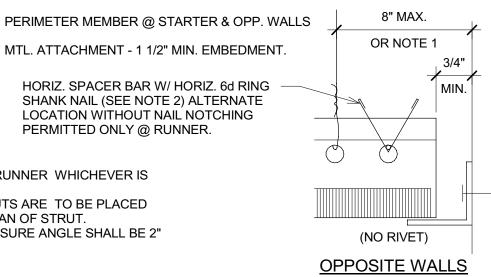
12 GA. VERTICAL HANGER WIRE MIN. 3 TIGHT TURNS MIN. AT TOP AND BOTTOM OF WIRE. SPACE WIRES AT 48" O.C. MAX.

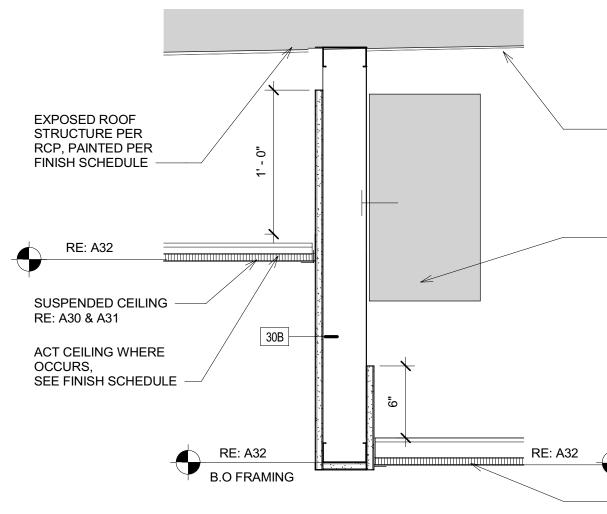
MAIN OR CROSS RUNNERS; MAIN & CROSS MEMBERS TO BE TIED TOGETHER PER ASCE7-05 SECTION 13.5.6

ACOUSTICAL PANEL

2^{6" = 1'-0"}

POP RIVET @ ALL MEMBERS ON WALL





3OPEN OFFICE CEILING DETAIL

Ceiling grids Any alteration, installation or deletion of any suspended ceiling grids, the installation of new lights fixtures, HVAC equipment, sprinklers, etc. in an existing ceiling grid shall be inspected by the building department to ensure the requirements of ASTM 635 and 636 are compliant.

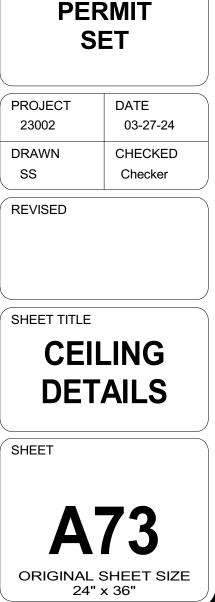
Acoustical ceiling systems note 808.1.1.1 Suspended acoustical ceilings. Suspended acoustical ceiling systems shall be installed in

accordance with the provisions of ASTM C635 and ASTM C636. EXISTING ROOF

EXISTING BEAM

ACT CEILING, SEE FINISH SCHEDULE

ŚШ, PH(BO TREET 83702 3-1858 2 <u>0</u> 2 IMPROVEMENT ≊¤≯ C ш ARDE (208) U NANT BI Z [-]TEL IQU CHI \mathbf{C} DIST. ST WE ITD 20 81 L2 TENANT **IMPROVEMENT** PERMIT



HG DOOR HARDWARE GROUP RE: SPECIFICATION SECTION 087110 "DOOR HARDWARE"

HARDWARE SET NO. 1: OFFICE

- (3) HINGES (1) LEVER LOCKSET
- (1) CLOSER (1) STOP
- (1) SILENCER

HARDWARE SET NO. 2: STORAGE

(3) HINGES
(1) LOCKSET
(1) CLOSER
(1) STOP

1 DOOR SCHEDULE 12" = 1'-0" RE: A21-1								
	From Room:	ROOM						
NUMBER	Name	NUMBER	٦					
201	LOBBY	200						

OFFICE 2

OFFICE 3

204 OFFICE 2

205 OFFICE 2

211 STORAGE

212 HALLWAY

215 HALLWAY 216 CLOSET

FLEX

233 HALLWAY

WORKSPACE ²

213 RR. 3

214 RR. 2

207 CONF ROOM

LOBBY

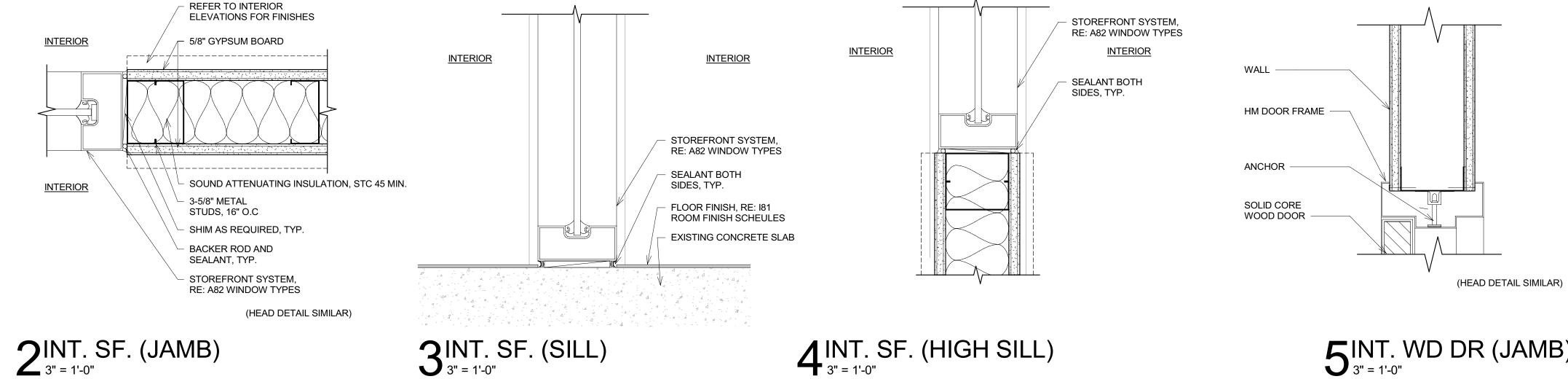
202

203

208

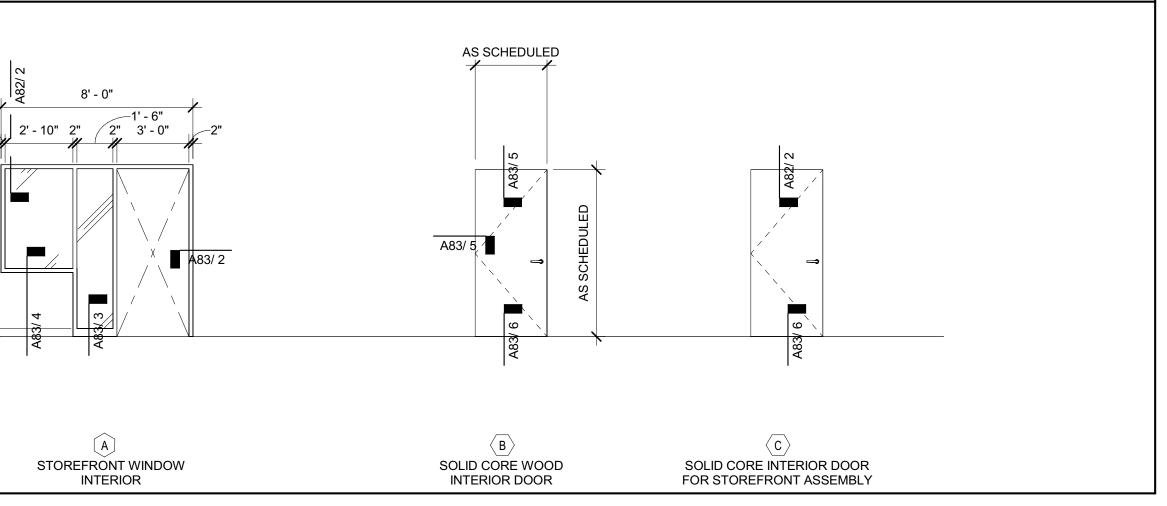
220

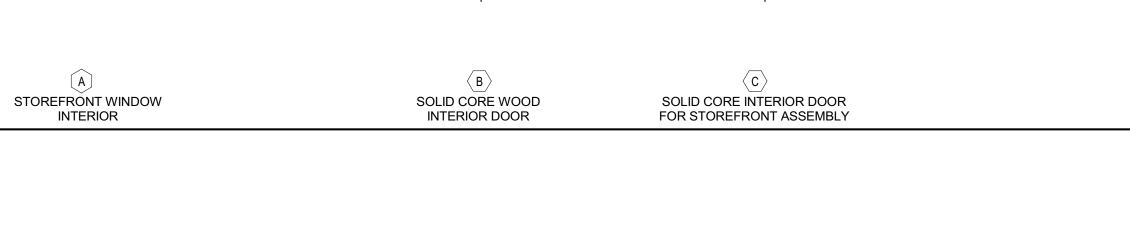
1 DOC 1/4"= 1'-() R & V
	2" "2"" "2
FINISH	2'-8" 4'-6" 2'-4" 2" 4'-2"
FINISH	

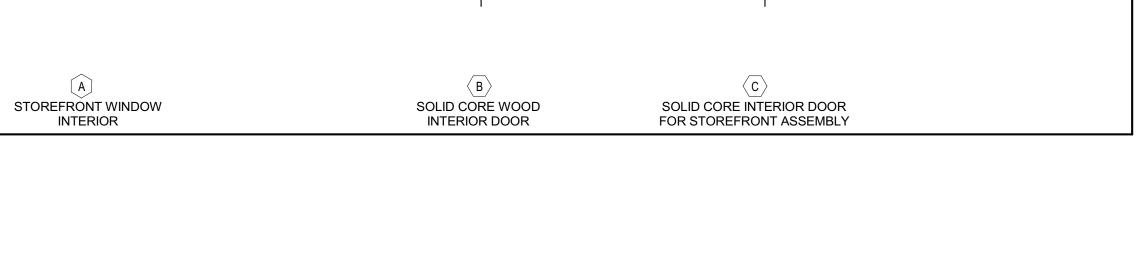


:	ROOM		FRAME		DOOR				
	NUMBER	TYPE	TYPE	WIDTH	HEIGHT	THICKNESS	CONSTRUCTION TYPE	COMMENTS	HARDWARE SET
	200	В		3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		
	202	С	ST	3' - 0"	8' - 0"	1 3/4"	SOLID CORE WOOD	WINDOW TYPE A	1
	203	С	ST	3' - 0"	8' - 0"	1 3/4"	SOLID CORE WOOD	WINDOW TYPE A	1
	204	С	ST	3' - 0"	8' - 0"	1 3/4"	SOLID CORE WOOD	WINDOW TYPE A	1
	204	С	ST	3' - 0"	8' - 0"	1 3/4"	SOLID CORE WOOD	WINDOW TYPE A	1
	207	С	ST	3' - 0"	8' - 0"	1 3/4"	SOLID CORE WOOD	WINDOW TYPE A	
	200	В		3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		
	209	В	HM	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		2
	233	В		3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		
	213	В	HM	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		
	214	В	HM	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		
	233	В		3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		
	234	N		3' - 0"	7' - 0"	1"	SOLID CORE WOOD		
1	232	В	НМ	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		
	233	В	HM	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		

WINDOW TYPES







5^{INT.} WD DR (JAMB)

DOOR GENERAL NOTES:

VERIFY ROUGH OPENING IN FIELD. 1.

- INSTALL DOORS AND FRAMES PER MANUFACTURER'S REQUIREMENTS. 2.
- ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF 3. A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

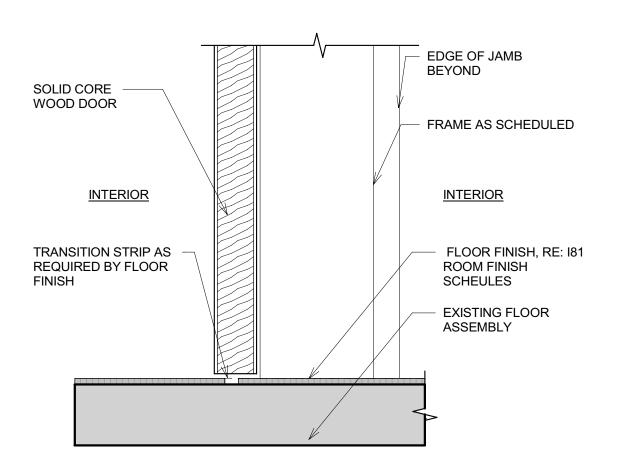
OPENING FORCE FOR INTERIOR SIDE-SWINGING DOORS WITHOUT 4. CLOSERS SHALL NOT EXCEED A 5- POUND FORCE

5. FOR OTHER SIDE- SWINGING DOOR, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15-POUND FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30-POUND FORCE. THE DOOR SHALL SWING TO A FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND FORCE. FORCES SHAL LBE APPLIED TO THE LATCH SIDE

6. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

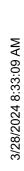
7. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHSE MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISHED FLOOR. LOCKS ONLY USED FOR SECUIRTY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT

8. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.



 $6_{3"=1'-0"}^{INT. WD DOOR (SILL)}$

LICENSED ARCHITECT ORIGINAL DOCUMENT SIGNED BY AR-98413 ARCHITECT ON FILE WITH THE		March 27, 2024 JAMES A MARSH STATE OF IDAHO MARCH 27, 2024
JAMES MARSH, ARCHITECT	-	200 BROAD STREET PROPERTY OF THE AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE AROUTECT, ARE AND SHALL REMAIN THE PROPERTY OF THE AROUTECT OR WHICH THEY ARE MADE IS EXECUTED OR NOT: THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR PROJECTS, FOR ADDITIONS TO THIS PROJECT. OR PROVIDE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT. OR PROVIDE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT. OR PROVIDE USED BY ANY PERSON OR ENTITY ON OTHER PROVIDE OR PROJECTS, FOR PROJECT OR PROVIDE USED BY ANY PERSON OR ENTITY ON OTHER PROVIDE USED BY ANY PERSON OR ENTITY ON OTHER PROVIDE USED BY ANY PERSON OR ENTITY ON OTHER PROVIDE ADDITION OF THE PROJECT OR PROVIDE ADDITION OF THE PROJECT O
FENANT IMPROVEMENT	NDEN BLVD GARDEN CITY, ID	200 BROAD STREET BOISE, ID 83702 (208) 343-4635 • FAX (208) 343-1858 http://www.cshqa.com
ITD DIST. 3 TENA	8150 WEST CHINDEN	SHQA
	RO\ PEF	NANT /EMENT RMIT ET
PROJEC 23002 DRAWN Author REVISE	1	DATE 03-27-24 CHECKED Checker
V	VIN	DR & DOW DULE
ORIG		83 SHEET SIZE × 36"





(1)

2

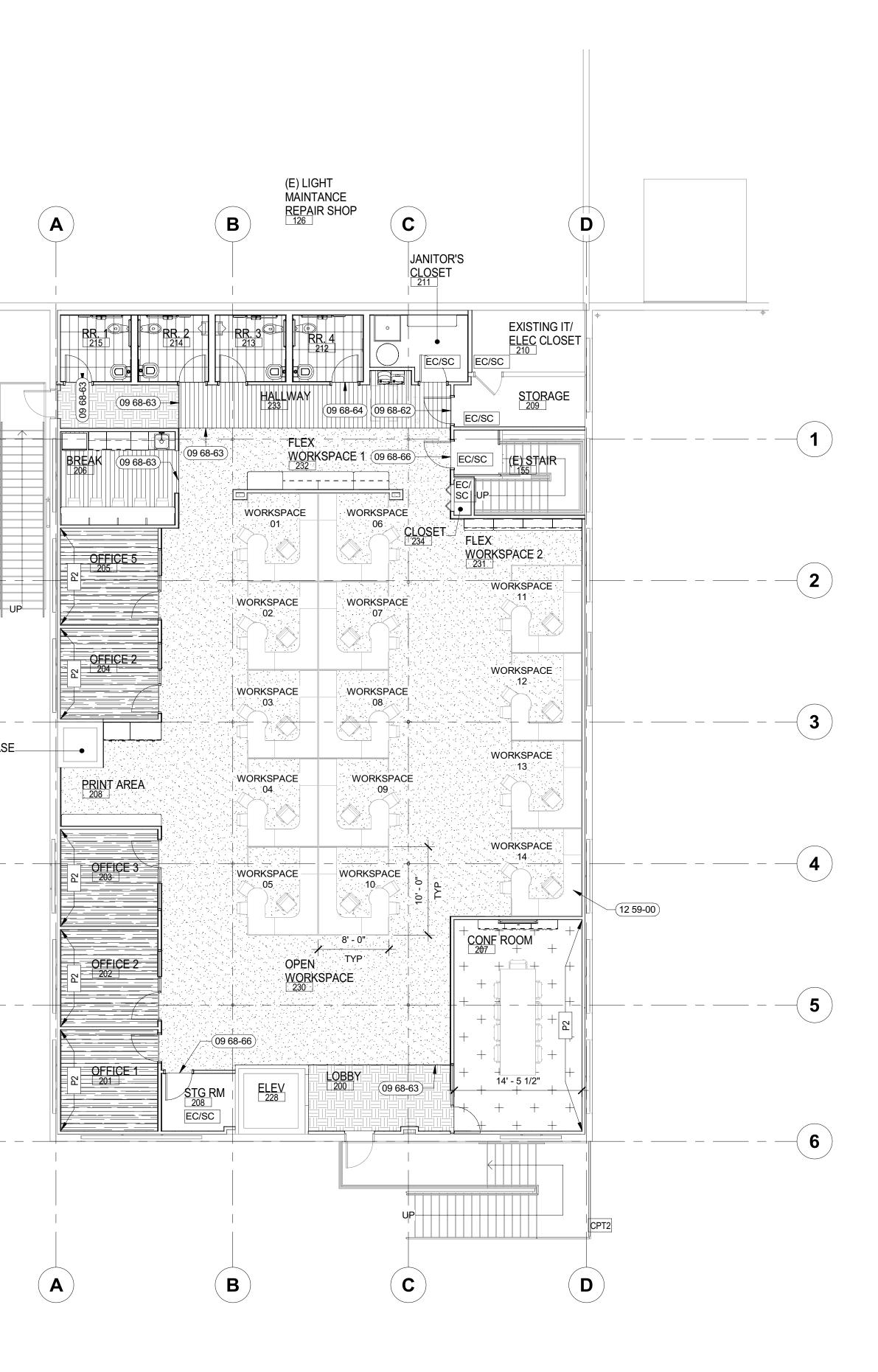
3

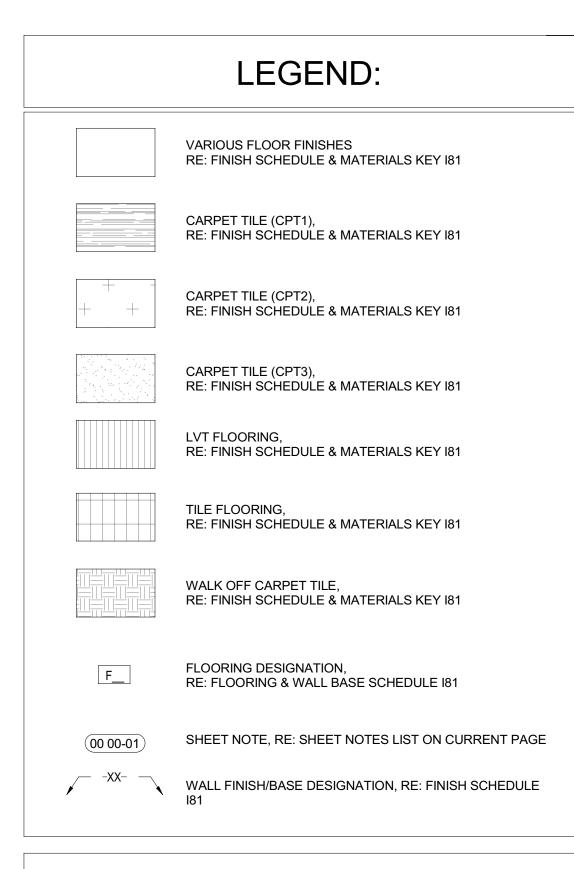
4

5

6

(E) MECH CHASE_





GENERAL NOTES:

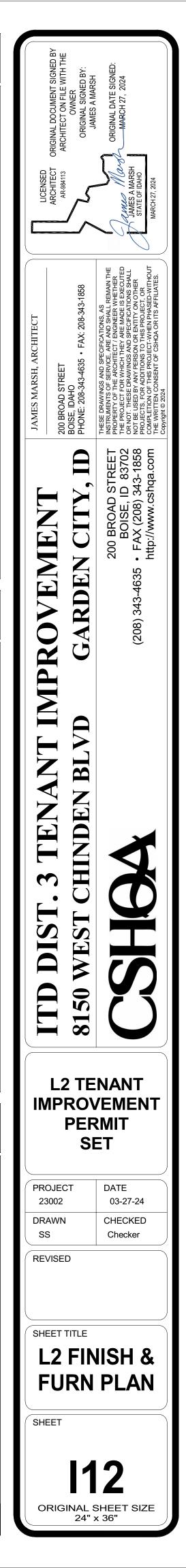
DIMENSION IS NOT SHOWN ON INTERIOR SHEETS UNLESS INTERIOR Α. SPECIFIC. REFER ARCHITECTURAL DRAWINGS FOR DIMENSIONS. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION / ORDERING. В. C. ALL TRANSITION IN FLOORING ARE TO OCCUR DIRECTLY BENEATH DOORS U.N.O. ALL GYPSUM BOARD APPLICATIONS SHALL BE SANDED, TAPED AND D. MUDDED AS NECESSARY. PROVIDE A MAXIMUM OF 1/2" OFFSET AT ALL THRESHOLDS AND AT ANY Ε. CHANGES OF FLOORING MATERIAL. ICC/ANSI A117.1 SECTION 303. F. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED (P3). G. ALL MATERIALS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS USING APPROPRIATE ADHESIVE. SMOOTH FLOOR SUBSTRATE SURFACES. SAND OR GRIND SUBFLOORS TO Η. REMOVE IRREGULARITIES. FILL LOW SPOTS, CONTROL OR CONSTRUCTION JOINTS AND OTHER DEFECTS AS REQUIRED TO PROVIDE UNIFORM SUBSTRATE FOR FLOOR FINISHES. FINISHES NOT REQUIRED ON WALL AREA CONCEALED BY PERMANENT FIXTURES. FINISHES SHALL EXTEND A MINIMUM OF 6" BEHIND FIXTURE. J. PAINT ALL INTERIOR GYPSUM BOARD CEILINGS AND SOFFITS. K. NO ITEM TO BE INSTALLED ON FINISH WALL MATERIALS WITHOUT PROJECT MANAGER AND OWNER'S APPROVAL. ALL EXPOSED VENTS, ACCESS PANELS AND SIMILAR ITEMS TO BE PAINTED М. TO MATCH THE WALL OR CEILING SURFACES THAT THEY ARE ON. REFER TO ENLARGED PLANS, ELEVATIONS, FINISH SCHEDULES FOR Ν. ADDITIONAL FINISH INFORMATION. EXTEND RUBBER BASE A MINIMUM OF 6", MAXIMUM OF 12" BEHIND Ο. FIXTURES.

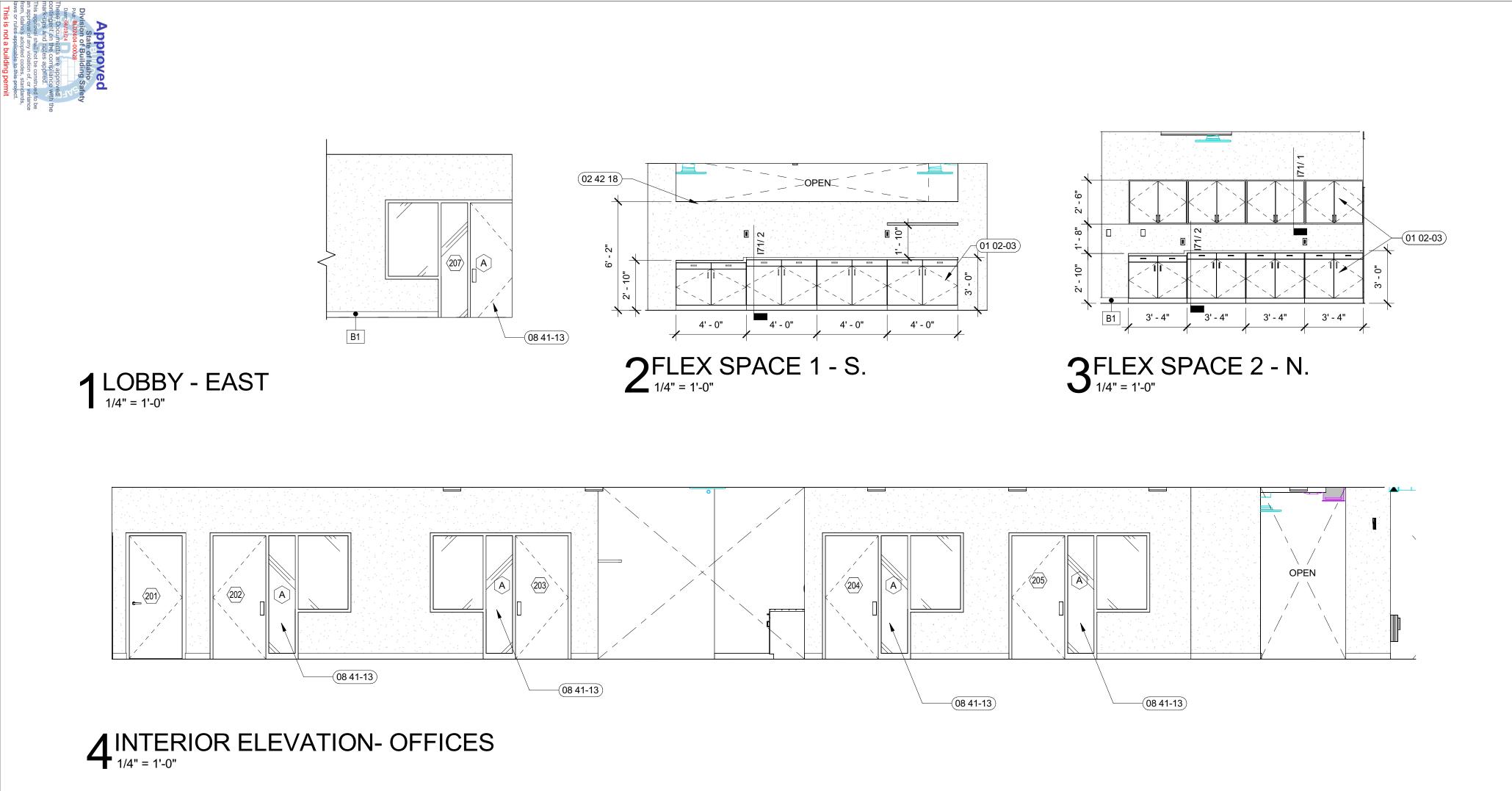
(## ##-##)

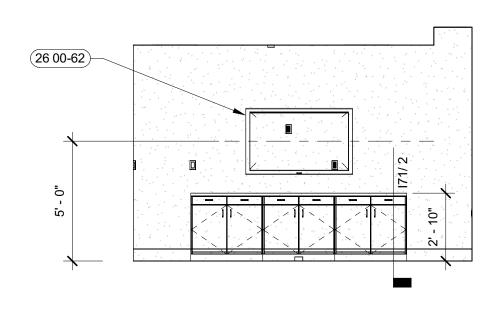
SHEET NOTES:

09 68-62 LVT TO SEALED CONCRETE FLOOR TRANSITION. RE: 181. 09 68-63 CARPET (CPT) TO LVT FLOOR TRANSITION. RE: I81 09 68-64 LVT TO TILE FLOOR TRANSITION. RE: I81

- 09 68-66 CPT TO EC/SC FLOOR TRANSITION. RE: I81
- 12 59-00 OWNER PROVIDED HERMAN MILLER CANVAS WORKSTATIONS. GC TO COORDINATE ALL REQUIRED ELECTRICAL AND DATA WIRING

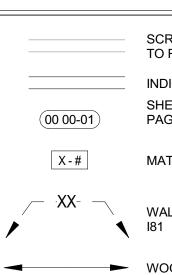






5CONF ROOM-N

LEGEND:



SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.

INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED SHEET NOTE, RE: SHEET NOTES LIST ON CURRENT PAGE

MATERIAL DESIGNATION, RE: FINISH SCHEDULE 181

WALL FINISH/BASE DESIGNATION, RE: FINISH SCHEDULE

► WOOD GRAIN DESIGNATION, RE: FINISH SCHEDULE 181

GENERAL NOTES:

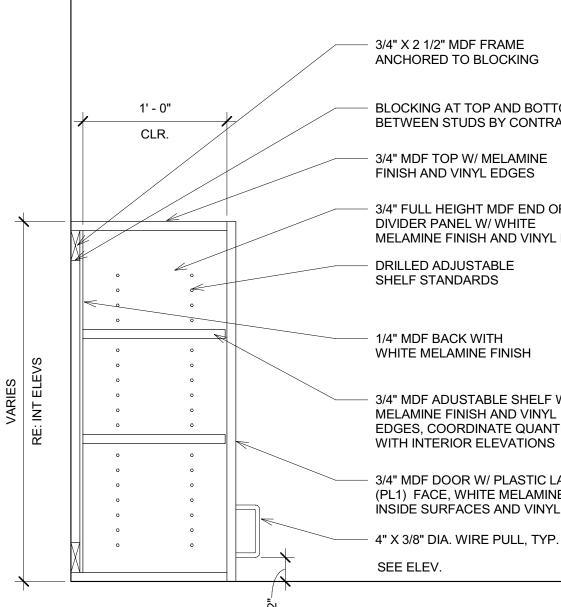
- DIMENSION IS NOT SHOWN ON INTERIOR SHEETS UNLESS INTERIOR Α. SPECIFIC. REFER ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- B. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION / ORDERING.
- ALL TRANSITION IN FLOORING ARE TO OCCUR DIRECTLY BENEATH DOORS C. U.N.O.
- ALL GYPSUM BOARD APPLICATIONS SHALL BE SANDED, TAPED AND D. MUDDED AS NECESSARY.
- PROVIDE A MAXIMUM OF 1/2" OFFSET AT ALL THRESHOLDS AND AT ANY Ε. CHANGES OF FLOORING MATERIAL. ICC/ANSI A117.1 SECTION 303.
- F. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED (P__).
- ALL MATERIALS ARE TO BE INSTALLED PER MANUFACTURERS G. INSTRUCTIONS USING APPROPRIATE ADHESIVE.
- SMOOTH FLOOR SUBSTRATE SURFACES. SAND OR GRIND SUBFLOORS TO Η. REMOVE IRREGULARITIES. FILL LOW SPOTS, CONTROL OR CONSTRUCTION JOINTS AND OTHER DEFECTS AS REQUIRED TO PROVIDE UNIFORM SUBSTRATE FOR FLOOR FINISHES.
- FINISHES NOT REQUIRED ON WALL AREA CONCEALED BY PERMANENT Ι. FIXTURES.
- FINISHES SHALL EXTEND A MINIMUM OF 6" BEHIND FIXTURE. J.
- K. PAINT ALL INTERIOR GYPSUM BOARD CEILINGS AND SOFFITS.
- NO ITEM TO BE INSTALLED ON FINISH WALL MATERIALS WITHOUT PROJECT L. MANAGER AND OWNER'S APPROVAL.
- M. ALL EXPOSED VENTS, ACCESS PANELS AND SIMILAR ITEMS TO BE PAINTED TO MATCH THE WALL OR CEILING SURFACES THAT THEY ARE ON.
- REFER TO ENLARGED PLANS, ELEVATIONS, FINISH SCHEDULES FOR Ν. ADDITIONAL FINISH INFORMATION.
- O. EXTEND RUBBER BASE A MINIMUM OF 6", MAXIMUM OF 12" BEHIND FIXTURES.

SHEET NOTES:

01 02-03 EQUIPMENT / MILLWORK / COUNTER, BY OWNER. 02 42 18 PARTIAL HEIGHT WALL 08 41-13 STOREFRONT SYSTEM - COLOR TBD 26 00-62 OWNER PROVIDED TV SCREEN

IICENSED	ARCHITECT ORIGINAL DOCUMENT SIGNED BY AR-984113 ARCHITECT ON FILE WITH THE	ORIGINAL SIGNED BY: JAMES A MARSH	JAMES A MARSH JAMES A MARSH STATE OF IDAHO MARCH 27, 2024
JAMES MARSH, ARCHITECT	200 BROAD STREET	BOISE, IDAHO PHONE: 208-343-4635 • FAX: 208-343-1858	THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PRODERTY OF THE ARCHITECT / ENGINEER WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR COMPLETION OF THIS PROJECT. WHEN PHASED.WITHOUT THE WRITTEN CONSENT OF CSHQA OR ITS AFFILIATES. COPYIGHT © 2024
	ELVANT LIVIT ROVENENT	GARDEN CITY, ID	200 BROAD STREET BOISE, ID 83702 (208) 343-4635 • FAX (208) 343-1858 http://www.cshqa.com
	ILLU ULDI. JIELNANI LIVI	8150 WEST CHINDEN BLVD	Agho s
	1PF	ROV PER	NANT /EMENT RMIT ET
	OJEC 3002 AWN S		DATE 03-27-24 CHECKED Checker
E		ΤE	RIOR TIONS
0	RIGI		SHEET SIZE





1 UPPER CABINET DETAIL 1 1/2" = 1'-0"

3/4" X 2 1/2" MDF FRAME ANCHORED TO BLOCKING

BLOCKING AT TOP AND BOTTOM BETWEEN STUDS BY CONTRACTOR

- 3/4" MDF TOP W/ MELAMINE FINISH AND VINYL EDGES

- 3/4" FULL HEIGHT MDF END OR DIVIDER PANEL W/ WHITE MELAMINE FINISH AND VINYL EDGES DRILLED ADJUSTABLE

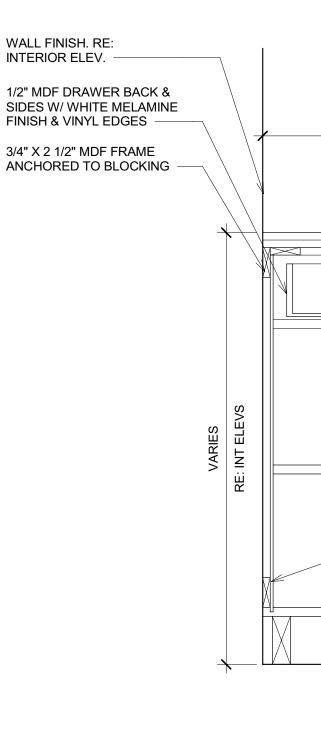
SHELF STANDARDS

1/4" MDF BACK WITH WHITE MELAMINE FINISH

- 3/4" MDF ADUSTABLE SHELF W/ MELAMINE FINISH AND VINYL EDGES, COORDINATE QUANTITY WITH INTERIOR ELEVATIONS

3/4" MDF DOOR W/ PLASTIC LAMINATE (PL1) FACE, WHITE MELAMINE AT INSIDE SURFACES AND VINYL EDGES

SEE ELEV.



2' - 0"

QUARTZ BACKSPLASH

(AS OCCURS)

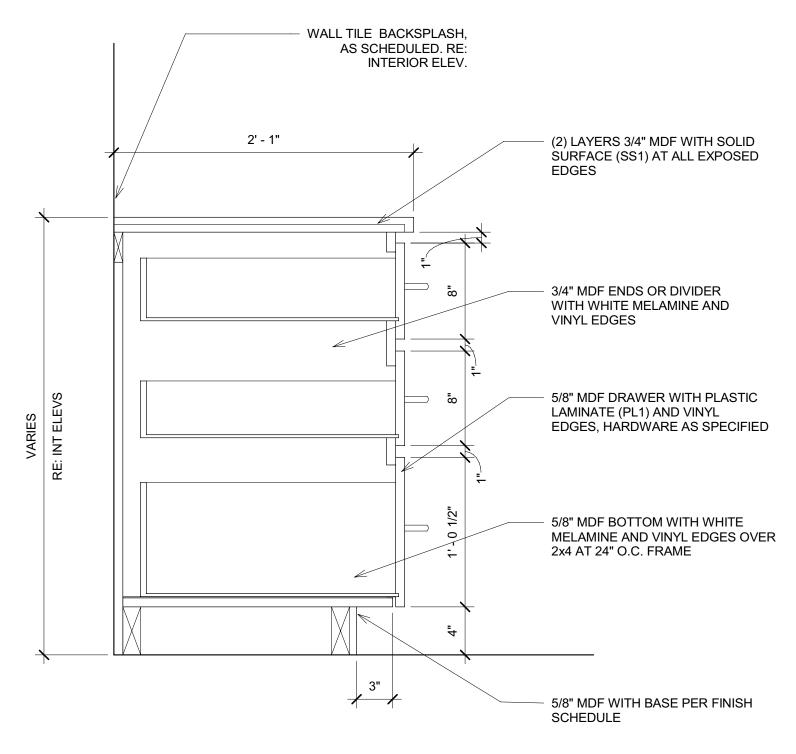
24"

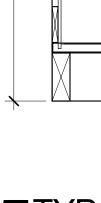
WALL FINISH. RE:

INTERIOR ELEV.

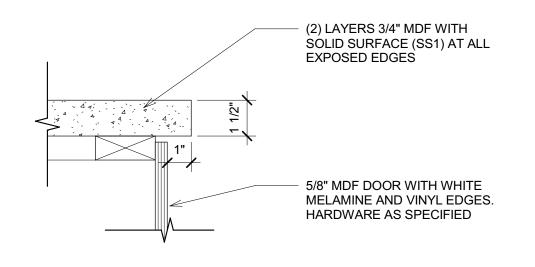


2 TYP. BASE CABINET DETAIL



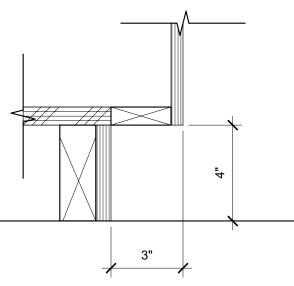


4 BASE CABINET - 3 DRAWERS







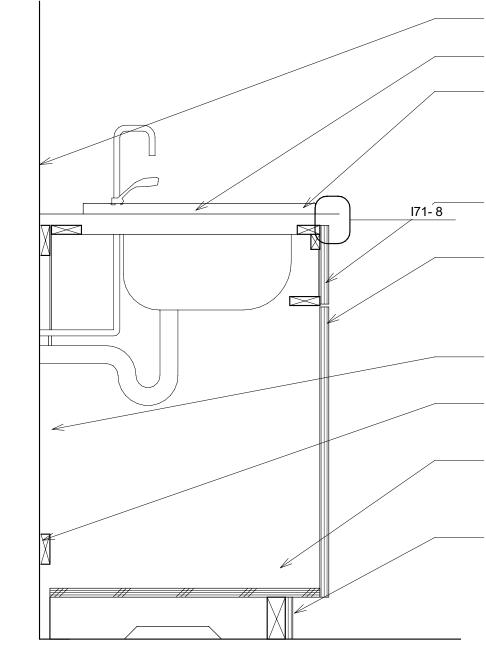


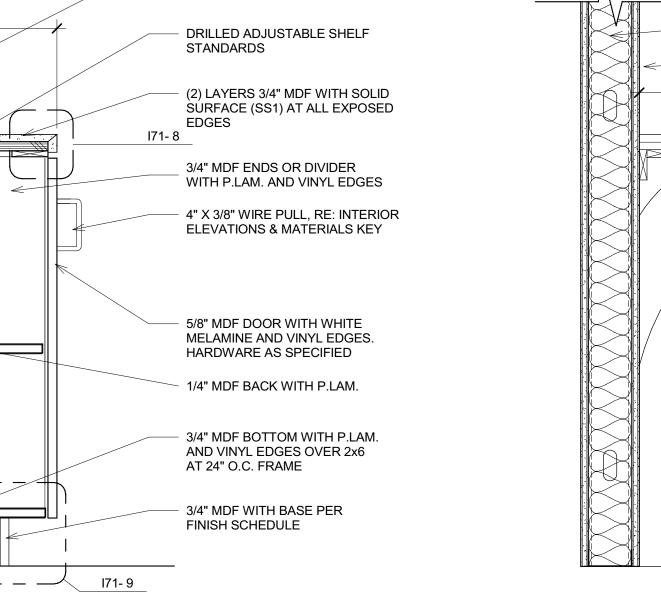
5TYP. BASE CABINET DETAIL- DRAWERS



2' - 0"







(2) LAYERS 3/4" MDF W/

1/2" MDF DRAWER BOTTOM W/

4" X 3/8" DIA. WIRE PULL, TYP.

3/4" MDF ADJUSTABLE SHELF W/ MELAMINE FINISH

3/4" MDF DRAWER & DOOR

1/4" MDF BACK W/ WHITE

DRILLED ADJUSTABLE

3/4" MDF BOTTOM W/ WHITE

FINISH AND VINYL EDGES.

3/4" MDF W/ BASE PER

3/4" X 2 1/2" MDF FRAME

ANCHORED TO BLOCKING

FINISH SCHEDULE

MELAMINE FINISH OVER 2X4 @ 24"

SHELF STANDARDS

O.C. FRAME

l71- 9

MELAMINE FINISH

FRONT W/ PLASTIC LAMINATE

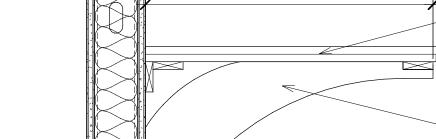
(PL1) FACE, WHITE MELAMINE

INSIDE SURFACE, & VINYL EDGES

AND VINYL EDGES

SOLID SURFACE (SS1).

I71-8 MELAMINE FINISH, TYP.



WALL TILE BACKSPLASH, AS SCHEDULED. RE: INTERIOR ELEV. SINK, CW/ PLUMBING DESIGN BUILD TEAM (2) LAYERS 3/4" MDF WITH SÓLID SURFACE (SS1) AT ALL EXPOSED EDGES

3/4" MDF ENDS OR DIVIDER WITH WHITE MELAMINE AND VINYL EDGES 5/8" MDF DOOR WITH WHITE

MELAMINE AND VINYL EDGES. HARDWARE AS SPECIFIED

1/4" MDF BACK WITH WHITE MELAMINE

5/8" x 2 1/2" MDF FRAME ANCHORED TO BLOCKING

5/8" MDF BOTTOM WITH WHITE MELAMINE AND VINYL EDGES OVER 2x6 AT 24" O.C. FRAME

5/8" MDF WITH BASE PER FINISH SCHEDULE

- 3-5/8" METAL STUDS, 16" O.C

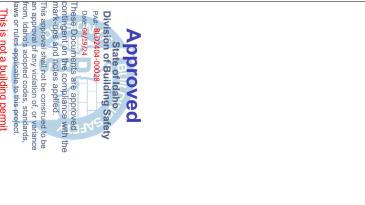
REFER TO INTERIOR ELEVATIONS FOR FINISHES

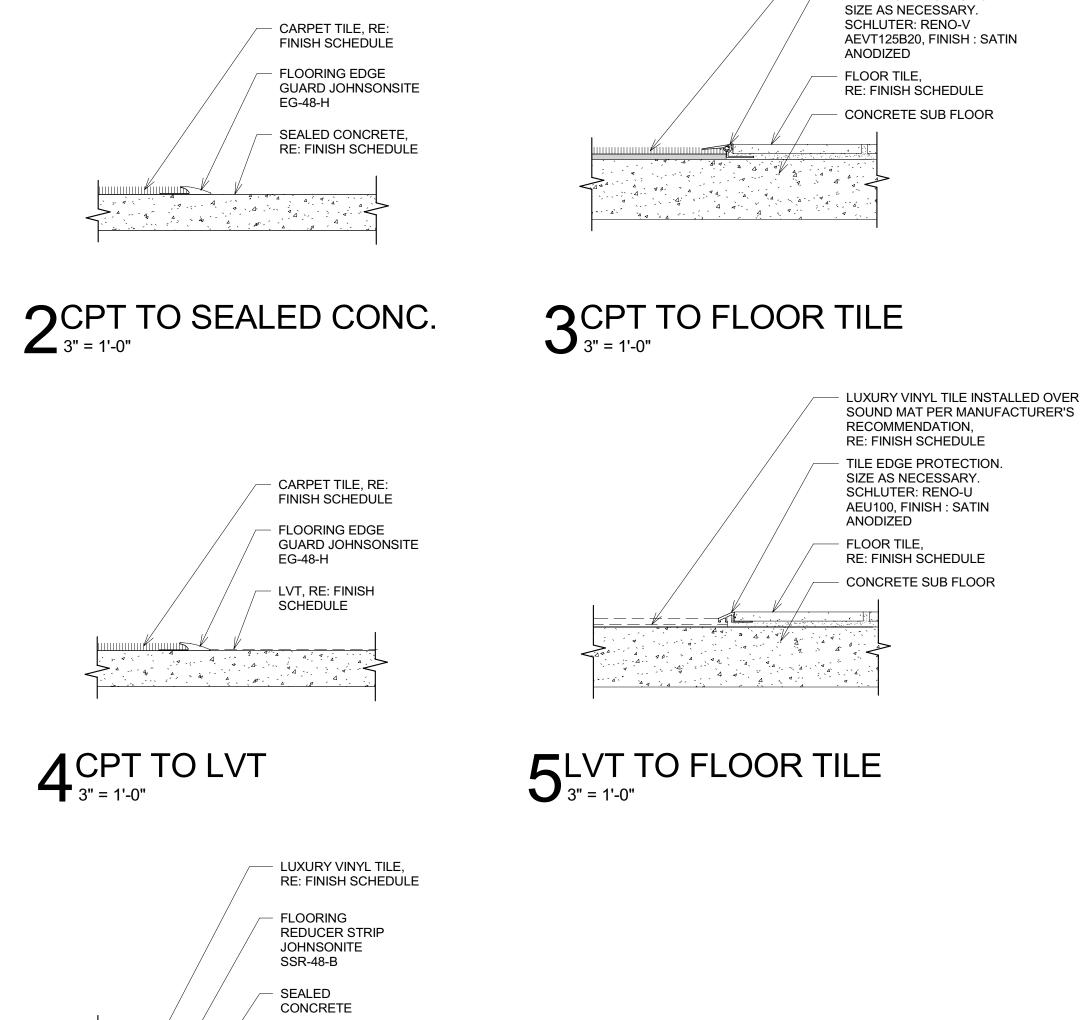
(2) LAYERS 3/4" MDF W/ SOLID SURFACE (SS1).

- COUNTER TOP BRACKET.

6 BREAKROOM CASEWORK DETAIL

ricensed	ARCHITECT ORIGINAL DOCUMENT SIGNED BY AR-984113 ARCHITECT ON FILE WITH THE	ORIGINAL SIGNER ORIGINAL SIGNED BY: JAMES A MARSH	MARCH 27, 2024 JAMES A MARSH STATE OF IDAHO MARCH 27, 2024
JAMES MARSH, ARCHITECT		V , ID PHONE: 208-343-4635 • FAX: 208-343-1858	BROAD STREET INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT / ENGINEER WHETHER PROPERTY OF THE ARCHITECT / ENGINEER WHETHER THE PROJECT / ENGINEER WHETHER THE PROJECT / ENGINEER WHETHER THE PROJECT / ENGINEER WHETHER PROJECT / ENGINEER WHETHER NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT. OR CONVIGING © 2024
		GARDEN CITY, ID	200 BROAD STREET BOISE, ID 83702 (208) 343-4635 • FAX (208) 343-1858 http://www.cshqa.com
TNANGT 2 TOIM ATT		8150 WEST CHINDEN BLVD	Aghod
IN	IPF	ROV PER	NANT /EMENT RMIT ET
23 DRA SS	DJEC 002 AWN S		DATE 03-27-24 CHECKED Checker
	D	SE	WORK AILS
			GHEET SIZE





 $6_{3"=1'-0"}^{LVT TO SEALED CONC.}$

1 ROOM FINISH SCHEDULE RE: A21-1

TILE EDGE PROTECTION.

- CARPET, RE: FINISH SCHEDULE

					WA				
				NORTH	SOUTH	EAST	WEST		
ROOM NO.	ROOM NAME	FLOOR	BASE					CEILING	REMARKS
200	LOBBY	LVT-1	TB1	GYP-P1	GYP-P1	GYP-P1	GYP-P1	(E) GYP	3
201	OFFICE 1	CPT-1	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P2	ACT-1	2
202	OFFICE 2	CPT-1	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P2	ACT-1	2
203	OFFICE 3	CPT-1	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P2	ACT-1	2
204	OFFICE 2	CPT-1	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P2	ACT-1	2
205	OFFICE 5	CPT-1	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P2	ACT-1	2
206	BREAK	EC/SC	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P1	(E) GYP	2, 3
207	CONF ROOM	CPT-1	B1	GYP-P1	GYP-P1	GYP-P2	GYP-P1	ACT-1	2
208	PRINT AREA	CPT-1	B1	GYP-P1	GYP-P1	-	GYP-P1	ACT-1	
208	STG RM	EC/SC	B1	GYP-P1	GYP-P1	GYP-P1	CONC	ACT-1	
209	STORAGE	EC/SC	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P1	(E) GYP	2, 3
210	EXISTING IT/ ELEC CLOSET	EC/SC	B1	-	-	-	-	(E) GYP	3
211	JANITOR'S CLOSET	EC/SC	B1	GYP-T1	GYP-P1	GYP-P1	GYP-P1	SVT-1	
212	RR. 4	FT1	TB1	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	APC1	1
213	RR. 3	FT1	TB1	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	APC1	1
214	RR. 2	FT1	TB1	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	APC1	1
215	RR. 1	FT1	TB1	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	GYP-P1 & WTI	APC1	1
221	HALL 3	CPT-1	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P1	(E) GYP	2, 3
228	ELEV	EXISTING	EXISTING	-	-	-	-	-	
230	OPEN WORKSPACE	CPT-3	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P1	ACT-1	2
231	FLEX WORKSPACE 2	CPT-3	B1	GYP-P1	-	GYP-P1	-	ACT-1	2
232	FLEX WORKSPACE 1	CPT-3	B1	-	GYP-P1	-	-	ACT-1	2
233	HALLWAY	LVT-1	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P1	(E) GYP	2, 3
234	CLOSET	EC/CONC	B1	GYP-P1	GYP-P1	GYP-P1	GYP-P1	(E) GYP	3

FINISH SCHEDULE REMARKS

RE: INTERIOR FINISH PLAN FOR ACCENT WALL FINISH LOCATIONS. SEE RCP FOR WINDOW ROLLER SHADE LOCATIONS

2. PAINT EXISTING GYP CEILING P1-1

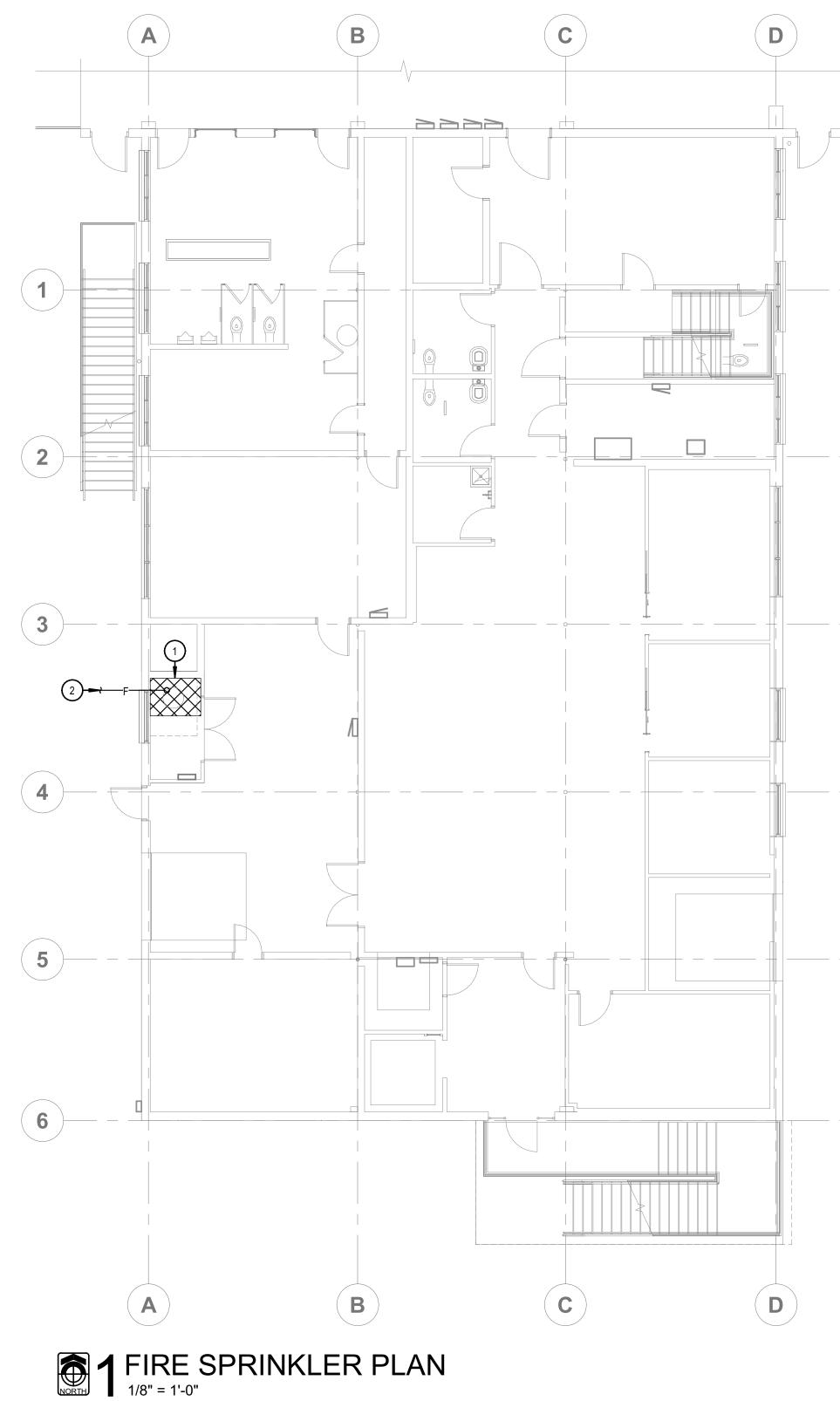
	MATERIALS KEY	LE WITH THE R WITH THE R WED BY: ARSH 2024 2024
FLOOR CPT1	<u>S</u> CARPET TILE (PRIVATE OFFICE); MANUFACTURER:MOHAWK GROUP; STYLE:FRACTAL FLUENCY; PATTERN: SQUARED GT478; COLOR: IRON 969; DYE METHOD: SOLUTION DYED, SIZE: 12"X36"; INSTALLATION: ASHLAR	ORIGINAL DOCUMENT SIGNED BY ARCHITECT ON FILE WITH THE OWNER ORIGINAL SIGNED BY: JAMES A MARSH ORIGINAL DATE SIGNED: MARCH 27, 2024
CPT2	CARPET TILE (CONFERENCE ROOM); MANUFACTURER:MOHAWK GROUP; STYLE:FRACTAL FLUENCY; PATTERN: LINED GT477; COLOR: MINERAL 969; DYE METHOD: SOLUTION DYED, SIZE: 12"X36"; INSTALLATION: ASHLAR	²
CPT3	CARPET TILE (OPEN OFFICE); MANUFACTURER:MOHAWK GROUP; STYLE:TIMELESS TAILORED; PATTERN: VISUAL CONNECTIONS GT470; COLOR: MINERAL 949; DYE METHOD: SOLUTION DYED, SIZE: 12"X36"; INSTALLATION: ASHLAR	LICENSED ARCHITECT AR-984113 ARCHITECT AR-984113 ARCHITECT JAMES A MARSH STATE OF IDAHO
	FLOOR TILE (RESTROOM); MANUFACTURER: DALTILE; STYLE: PORTFOLIO; COLOR: IRON GREY PF06; FINISH: MATTE; SIZE: 12"X24"; THICKNESS: 516"; INSTALLATION: BRICK; GROUT: TBD; COLOR: TBD	
EC/ CONC	EXISTING CONCRETE FLOOR, SEAL AS NECESSSARY	ES. THE LE
LVT1	LUXURY VINYL TILE (BREAKROOM/LOBBY/HALLWAY); MANUFACTURER: MOHAWK GROUP; COLLECTION: HOT AND HEAVY; STYLE: GROWN UP C0075; COLOR: KINGLSEY 138; SIZE: 9 X 59.72"; INSTALLAION: HALF LAP.	CHITECT CHITECT FAX: 208-343-1858 FAX: 208-343-1858 FAX: 208-343-1858 FICATIONS, AS FICATIONS, AS FICATIONS ST ND SPECIFICATIONS ST ST ND SPECIFICATIONS ST ND SPECIFICATIONS ST ST ND SPECIFICATIONS ST ND SPECIFICATIONS
SVT1	SHEET VINYL TILE (JANITOR'S CLOSET); MANUFACTURER: TARKETT; STYLE: IQ OPTIMA COLOR: 242 EBONY ASH; SIZE: SHEET; THICKNESS: .08"	CHITEC EAX: 206 FAX:
WOC1	WALK-OFF CARPET (LEVEL 1 LOBBY); MANUFACTURER:SHAW CONTRACT; STYLE: ALL ACCESS;PATTERN: PACE TILE; COLOR: STEP 14549; DYE METHOD: SOLUTION DYED, SIZE: 24"X24"; INSTALLATION: MONOLITHIC	REET REET 3-4635 • 3-4635 • 3-4655 • 3-
NOTE: I	USE FLOORING ADHESIVE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.	JAMES MARSH, ARCHITECT 200 BROAD STREET BOISE, IDAHO PHONE: 208-343-4635 • FAX: 208- THESE DRAWINGS AND SPECIFICATIONS. THESE DRAWINGS AND SPECIFICATIONS. THE PROJECT FOR WHICH THEY ARE MAI NOT BE USED BY ANY PERSON OR ENTIT PROJECT FOR WHICH THEY ARE MAI NOT BE USED BY ANY PERSON OR ENTIT PROJECT FOR WHICH THEY ARE MAI OR NOT. THESE DRAWINGS AND SPECIFICATIONS. THE PROJECT FOR WHICH THEY ARE MAI NOT BE USED BY ANY PERSON OR ENTIT PROJECT FOR ADDITIONS TO THIS PROJECT. WHEN THE RECONSENT OF CSHQA OR IT THE WRITTEN CONSENT OF CSHQA OR IT
BASES B1	RUBBER BASE; MANUFACTURER: JOHNSONITE MILLWORK BASE; COLOR: #48 WG;	JAD JAD BOISI BOISI BOISI PHON PROFE PROFE COMPL
TB1	SIZE: 4" HIGH, PRE FORMED INSIDE/OUTSIDE CORNERS. TILE BASE (RESTROOMS); MANUFACTURER: DALTILE; STYLE:PORTFOLIO; COLOR: IRON GREY PF06; FINISH: MATTE; SHAPE: COVE BASE P36C9; SIZE: 6"X12", INSTALLATION: MONOLITHIC.	ITREET 83702 3-1858 3a.com
NALLS	GROUT: TBD; COLOR: TBD.	ITY, ITY, ROAD ST NISE, ID (208) 341 (208) 341 (208) 341
	FINISH: SATIN; LOW-VOC	
P2	PAINT (ACCENT); SHERWIN WILLIAMS, SW7624 SLATE TILE; FINISH: SATIN, PROMAR 200 ZERO VOC.	
P3 WT1	PAINT (HM DOOR & WINDOW FRAME); COLOR TBD WALL TILE (RESTROOMS); MANUFACTURER: DALTILE; STYLE:PORTFOLIO; COLOR: DOVE GREY	E] 3463
CEILIN(ACT1	ACOUSTICAL PANEL CEILING; MANUFACTURER: ARMSTRONG; STYLE:CORTEGA SECOND LOOK ANGLED TEGULAR; SIZE: 15/16" x 24" x 48" (SCORED TO CREATE NOMINAL 24" x 24"	EOVEN GARDE (208) 343-4635
EXP	SQUARES); GRID: PRELUDE 15/16"; COLOR: WHITE TO BE CONFIRMED EXPOSED TO STRUCTURE ABOVE.	H H H
P1	PAINT (CEILING FIELD); MATCH COLOR SHERWIN WILLIAMS SW 7050 USEFUL GREY	
MILLW(PL1	<u>DRK</u> PLASTIC LAMINATE (BREAKROOM, PRINTER AND CONF ROOM); MANUFACTURER: WILSONART; PATTERN: STEEL MESH 4879-38, MATTE FINISH. EDGE BANDING WHERE APPLICABLE, MATCH LAMINATE COLOR.	
PL2	PLASTIC LAMINATE (COUNTERTOPS & BACKSPLASH IF APPLICABLE); MANUFCATURER: FORMICA; PATTERN: SHOJI SCREEN 3696-58, MATTE FINISH; PVC SELF EDGE, SEE EB1.	
EB1	VINYL EDGE BAND; MANUFACTURER: CHARTER INDUSTRIES: STYLE: 3MM PVC EDGE F3696.	
PL3 SS1	PLASTIC LAMINATE (METAL); MANUFACTURER: CHEMETAL; PATTERN: BRUSHED SMOKED ALUMINUM W/HPL BACK. SOLID SURFACE (TICKET COUNTERTOPS & RESTROOMS); MANUFACTURER: CORIAN; COLOR:	
OTHER	CONCRETE; THICKNESS: 1/2"; EDGE: SQUARE, DOUBLE EASED; INTEGRAL SINK WHERE APPLICABLE: LINEN WHITE.	
	CORNER GUARD; INPRO: STAINLESS STEEL 1 1/2" TYPE 304; HEIGHT: 4'-0"; BOTTOM OF CORNERGUARD AT TOP OF WALL BASE; RE: A11.1 FINISH PLAN FOR LOCATIONS.	
WS1	WINDOW ROLLER SHADE; MANUFACTURER: GRABBER; PRODUCT: SOLAR SHADES; FABRIC: STANDARD WEAVE MATERIAL; COLOR: DAIKON BEIGE 48302; OPENESS: 3%; OPERATION: METAL CHAIN; FASCIA: 3" ALUMINUM, WHITE; SIZE: TO BE VERIFIED ON SITE PER EXISTING CONDITIONS; MOUNTING LOCATIONS: TBD.	ITD DIS 8150 WES
	SHEET NOTE	L2 TENANT IMPROVEMENT
1. 2. 3. 4. 5.	PRE-CATALYZED WATER BASED EPOXY PAINT, SEMI-GLOSS FINISH. RE: INTERIOR FINISH PLAN FOR ACCENT WALL FINISH LOCATIONS. WALL TILE BASE ONLY LOCATED ON WALLS WITH NO OTHER TILE. RE: FINISH PLAN FOR ACCENT FLOOR FINISH LOCATIONS. RE: FINISH PLAN FOR WHERE NEW RUBBER BASE IS LOCATED.	PERMIT SETPROJECTDATE 03-27-24DRAWNCHECKED SSCHECKED REVISED
		SHEET TITLE ROOM FINISH SCHEDULES

SHEET

181

ORIGINAL SHEET SIZE 24" x 36"







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. 23-264

13789 3/26/2024 OD NE KCHITECT / ENG SHAL KCHITECT / ENGINEEF (HICH THEY ARE MADE WINGS AND SPECIFICA VINGS AND SPECIFICA (PERSON OR ENTITY (PERSON OR ENTITY (TONS TO THIS PROJE AENTS OF SER TTY OF THE AR DJECT FOR WH DJECT FOR WH THESE DRAW USED BY ANY I TS, FOR ADDIT TS, FOR ADDIT TON OF THIS 200 BROAD STF BOISE, IDAHO PHONE: 208-343 THESE DF INSTRUMI PROPERT THE PRO. OR NOT. NOT BE U PROJECT COMPLET FREET 83702 3-1858 ISE, 208) ROVEMEN CIT AX (200 шţ **۔** Z 35 RDE 2 (208) U IMP **Boulevard** NANT TE \mathbf{O} D \mathbf{r} hin DIST. U) ITD 50 81 L2 TENANT IMPROVEMENT PERMIT SET PROJECT DATE 23002 03-27-24 DRAWN CHECKED ED ΤN REVISED SHEET TI'FIRE **SPRINKLER** PLAN SHEET **P00** ORIGINAL SHEET SIZE 24" x 36"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1

(2)

3

4

-(5)

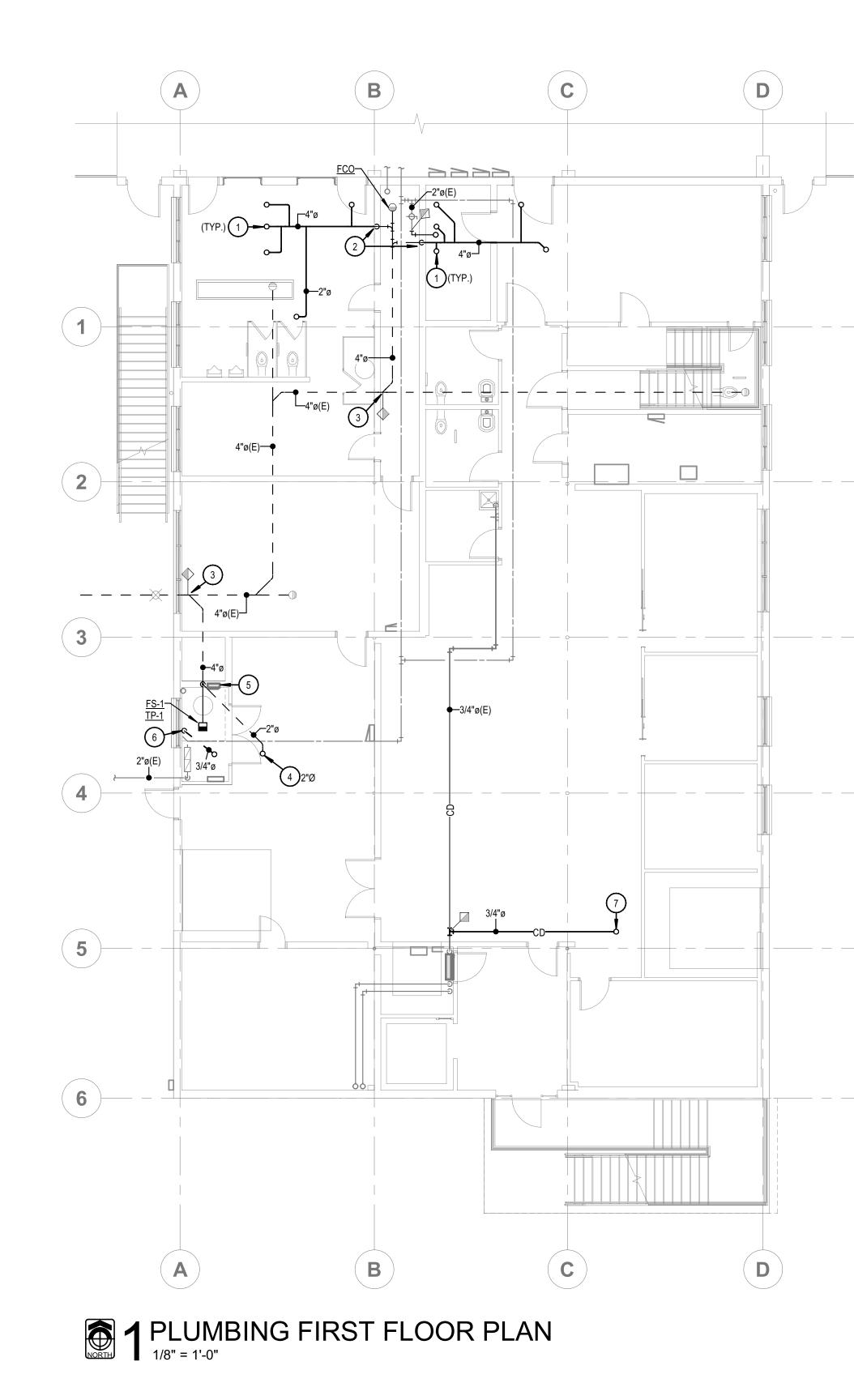
6

- 1. AREA RESERVED FOR FIRE SPRINKLER RISER SYSTEM. FIRE SPRINKLER RISER SYSTEM SHALL INCLUDE A TAMPER SWITCH, FLOW SWITCH, ALARM BELL, FIRE DEPARTMENT CONNECTION, AND POST INDICATOR VALVE (PIV).
- 2. FIRE SPRINKLER LINE TO BE SIZED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE SPRINKLER SYSTEM REQUIREMENTS.

FIRE SPRINKLER NOTES:

- THE FIRE SPRINKLER SYSTEM SHALL BE DESIGNED AND Α. INSTALLED FOR THE ENTIRE BUILDING (EXISTING FIRST FLOOR OFFICE SPACE, EXISTING WAREHOUSE/SHOP AND NEW SECOND FLOOR OFFICE SPACE) BY THE FIRE SPRINKLER CONTRACTOR. THIS PLAN INDICATES GENERAL PARAMETERS THE FIRE SPRINKLER CONTRACTOR MUST DESIGN AND INSTALL AROUND. THE ENGINEER/ARCHITECT/OWNER RESERVES THE RIGHT TO REVIEW AND APPROVE TEST VALVES, ZONING VALVES, FLOW SENSORS, ETC. DURING THE SUBMITTAL PROCESS.
- FIRE SPRINKLER CONTRACTORS SHALL BE LICENSED BY THE IDAHO STATE FIRE MARSHAL, AND SHALL HAVE IN HIS/HER EMPLOY AND WITHIN 50 MILES OF THE JOB SITE AN ENGINEERING TECHNICIAN (LEVEL III), CERTIFIED BY NICET (NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES). PROOF OF BOTH MUST BE SUBMITTED TO THE ENGINEER PRIOR TO THE START OF ANY FIRE SPRINKLING DESIGN AND/OR INSTALLATION, NO EXCEPTIONS.
- ALL WORK REQUIRED FOR THE FIRE PROTECTION SYSTEM SHALL BE THE RESPONSIBILITY OF THE FIRE SPRINKLER CONTRACTOR. THE FIRE SPRINKLER SYSTEM SHALL BE INSTALLED BY THE FIRE SPRINKLER CONTRACTOR AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE LOCAL JURISDICTION AND NFPA 13, LATEST EDITION. ARCHITECT/ENGINEER ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE DESIGN OF THE FIRE SPRINKLER SYSTEM.
- REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL D. REQUIREMENTS.
- PROVIDE RECESSED HEADS IN ALL AREAS EXCEPT WHERE ROOM IS OPEN TO STRUCTURE.
- NO STANDOFF SPRINKLER HEADS (THOSE THAT DROP BELOW CEILING OR SOFFIT TO PROVIDE BETTER COVERAGE) ALLOWED. ALL SPRINKLER HEADS MUST BE FLUSH WITH CEILING OR EXTERIOR SOFFIT.
- REFERENCE ARCHITECTURAL SECTIONS FOR LOCATION OF G. BUILDING INSULATION ENVELOPES.
- PROVIDE SPRINKLER COVERAGE AT ALL SKYLIGHTS H. REQUIRING COVERAGE. COORDINATE EXACT ROUTING OF SPRINKLER LINE WITH THE ARCHITECT.
- PIPE ALL AUXILARY DRAINS TO EXTERIOR OF BUILDING OR APPROVED RECEPTACLE. COORDINATE WITH ARCHITECT.
- IN COLD SPACES WHERE A NON-FREEZE FIRE SPRINKLER SYSTEM IS REQUIRED, CONTRACTOR SHALL PROVIDE A DRY PIPE SPRINKLER SYSTEM.







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. 23-264

13789 3/26/2024 OD NE THESE DRAWINGS AND SPECIFICATIONS, A INSTRUMENTS OF SERVICE, ARE AND SHAL PROPERTY OF THE ARCHITECT / BNGINEER THE PROJECT FOR WHICH THEY ARE MADE OR NOT. THESE DRAWINGS AND SPECIFICA NOT BE USED BY ANY PERSON OR ENTITY (PROJECTS, FOR ADDITIONS TO THIS PROJE COMPLETION OF THIS PROJECT-WHEN PHA 200 BROAD STR BOISE, IDAHO PHONE: 208-343 -REET 83702 3-1858 v ⊡ ′ IMPROVEMENT U AX B B C 200 ш. **۔** GARDEN 35 34 (208) NANT I Boulevard TEL Chinden \mathbf{r} ITD DIST. est 3 8150 L2 TENANT IMPROVEMENT PERMIT SET DATE PROJECT 03-27-24 23002 CHECKED DRAWN ED ΤN REVISED **FIRST FLOOR** PLAN SHEET

P10

ORIGINAL SHEET SIZE 24" x 36"

KEYED NOTES:

SYMBOL USED FOR CALLOUT

1

2

3

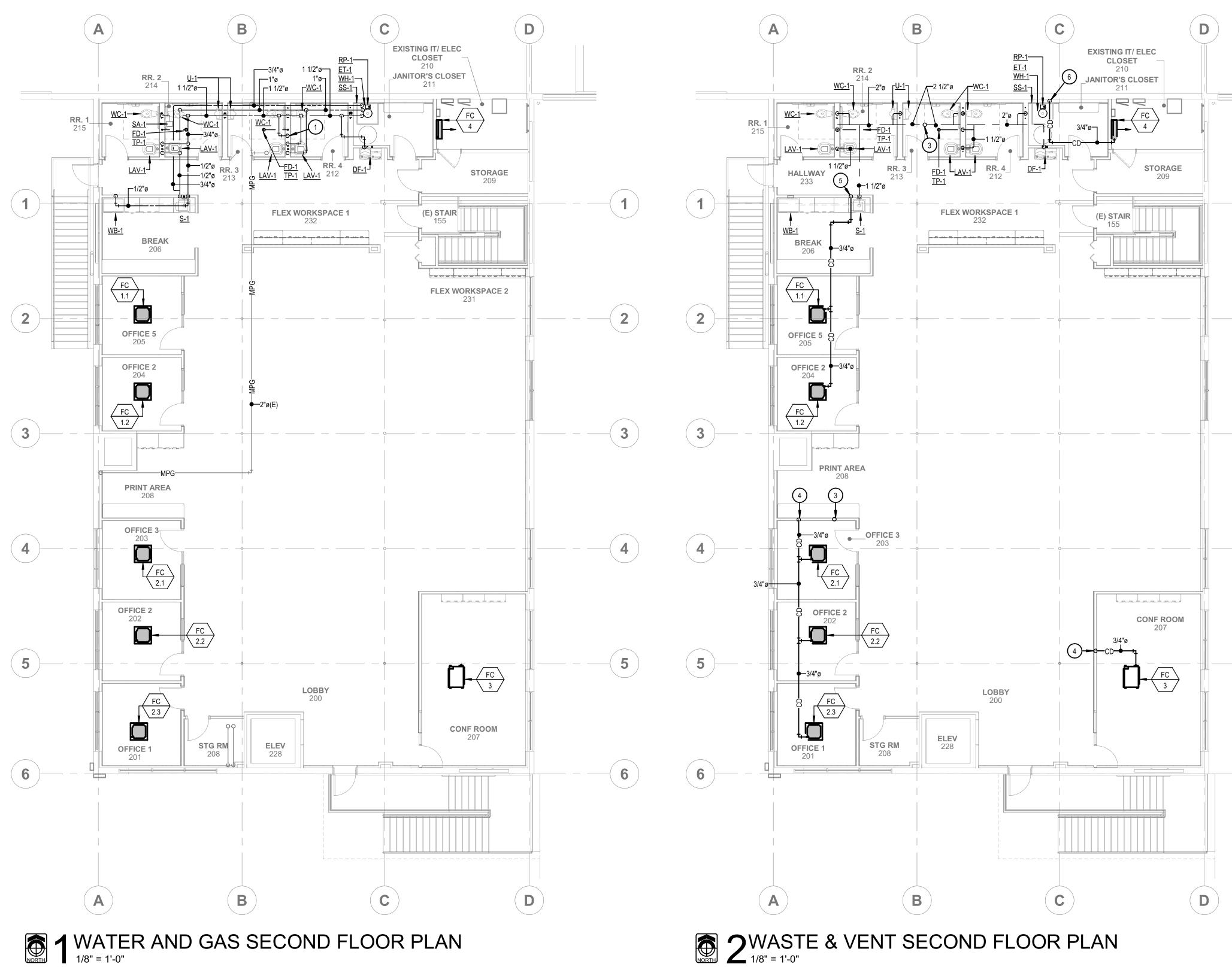
-4

- 5

6

- 1. WASTE FROM PLUMBING FIXTURE ABOVE.
- 2. 4" WASTE DOWN IN WALL TO BELOW FLOOR.
- 3. CONNECT NEW 4" WASTE TO EXISTING 4" MAIN, CONTRACTOR TO VERIFY EXACT LOCATION BEFORE SAWCUTTING.
- ROUTE VENT LINE UP TO ROOF WITH INDICATED SIZE VTR, ENSURE THAT VENT LINE IS IN WALL OF FUTURE TI SPACE ON SECOND FLOOR.
- 5. EXISTING ELECTRIC HEATER TO REMAIN, COORDINATE EXISTING CONDITIONS WITH NEW FIRE RISER REQUIREMENTS TO SEE IF RELOCATION IS REQUIRED.
- 6. ROUTE 3/4" CD EXPOSED DOWN WALL. TERMINATE INDIRECTLY AT NEW FLOOR SINK.
- 7. ROUTE 3/4" CD FROM FLOOR ABOVE. SEE SHEET P20 FOR CONTINUATION.









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. 23-264

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1

2

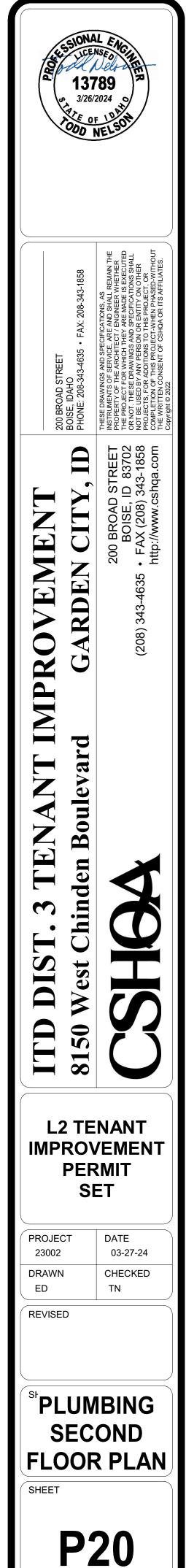
3

4

5

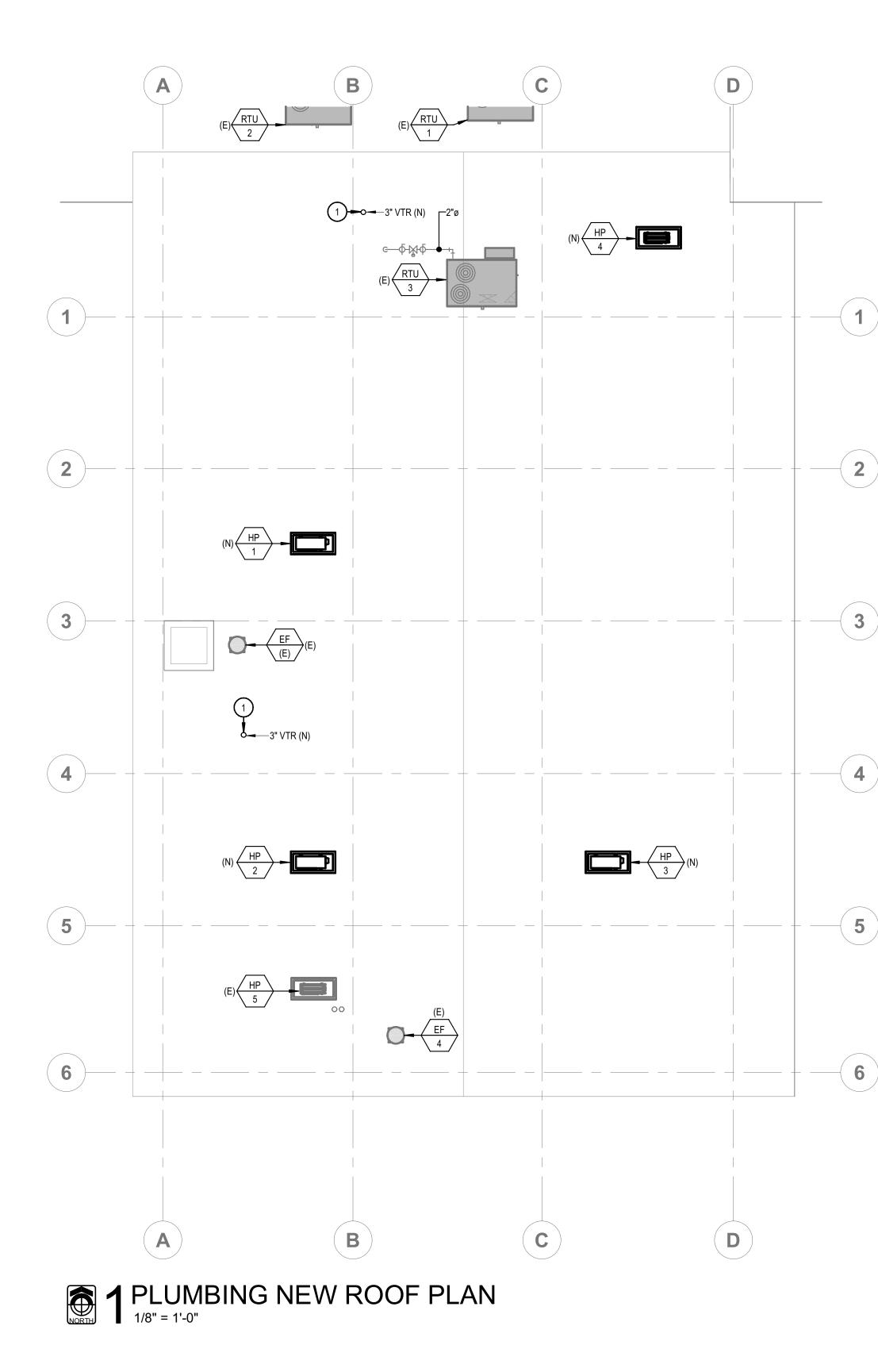
6

- 1. 2" WATER LINE FROM FIRST FLOOR.
- 3. 2" VENT FROM BELOW UP THROUGH ROOF.
- 4. ROUTE 3/4" CD DOWN INSIDE WALL TO FLOOR BELOW. SEE FIRST FLOOR PLUMBING PLAN FOR CONTINUATION.
- 5.. ROUTE 3/4" CD DOWN INSIDE WALL AND CONNECT TO TAILPIECE OF SINK. SEE DETAIL FOR INSTALLATION REQUIREMENTS.
- 6. ROUTE 3/4" CD DOWN INSIDE WALL AND INDIRECT TO SERVICE SINK WITH 1" AIR GAP.



ORIGINAL SHEET SIZE 24" x 36"







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. 23-264

KEYED NOTES:

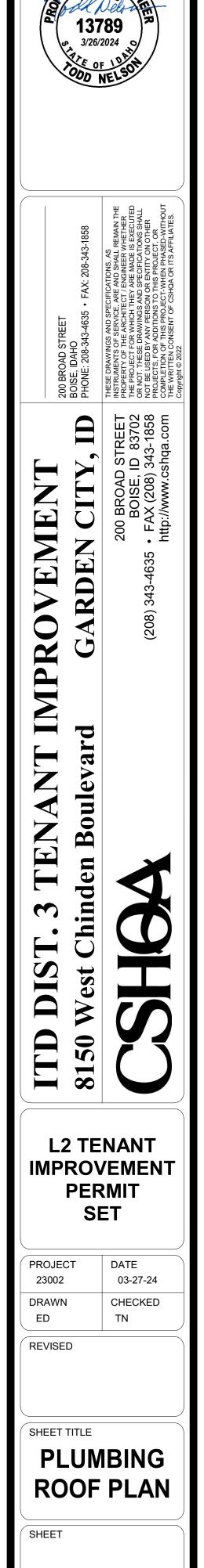
SYMBOL USED FOR CALLOUT

 \frown

 \frown

 \frown

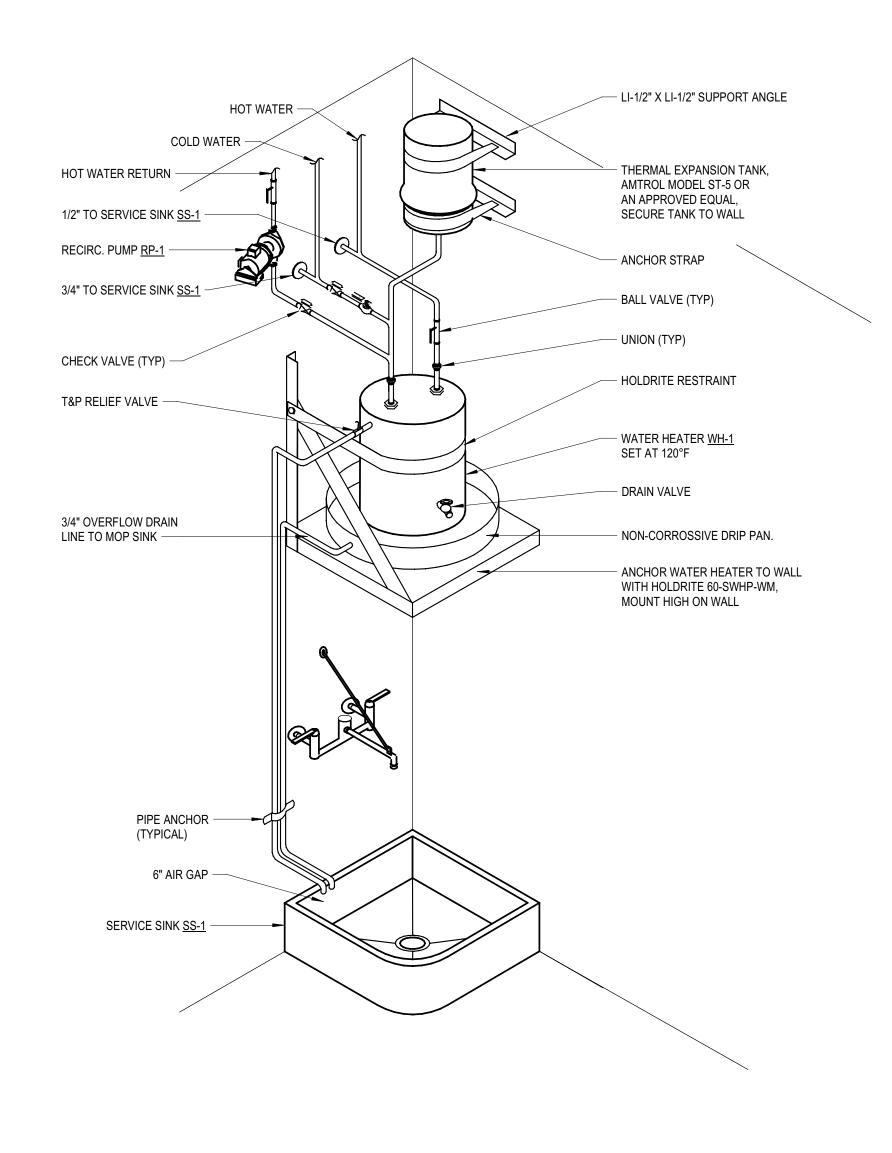
1. ROUTE NEW VENT THROUGH ROOF. SEAL AND MAINTAIN ROOF WARRANTY.



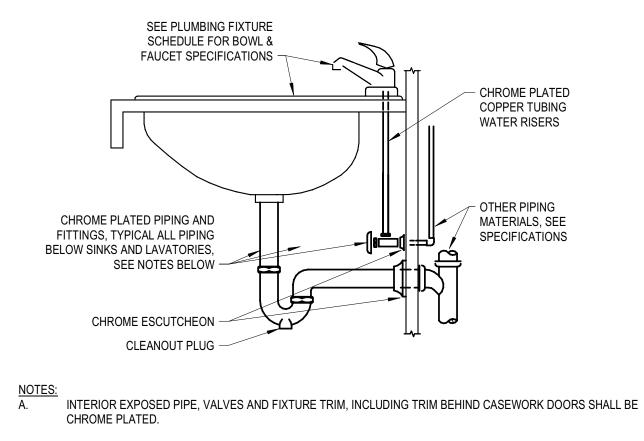
P30

ORIGINAL SHEET SIZE 24" x 36"





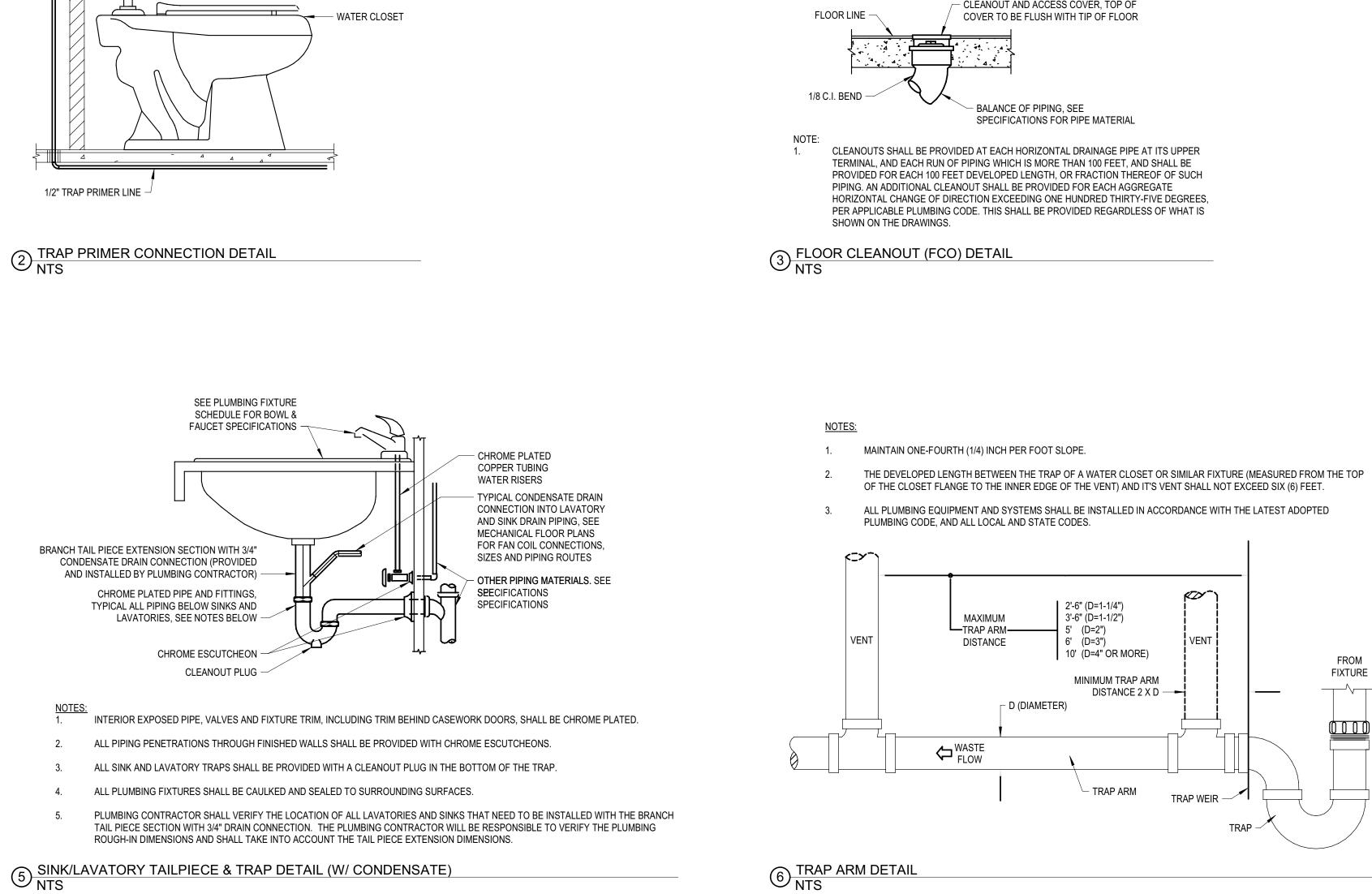




ALL PIPING PENETRATIONS THROUGH FINISHED WALLS SHALL BE PROVIDED WITH CHROME ESCUTCHEONS. В.

- ALL SINK TRAPS SHALL BE PROVIDED WITH A CLEANOUT PLUG IN THE BOTTOM OF THE TRAP. C.
- ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES. D.

SINK/LAVATORY TAILPIECE & TRAP DETAIL
 NTS



3.5 TO 1.0 GAL/FLUSH.

TRAP PRIMER SHALL BE PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH

- 1-1/2"x12" 17 GA. FLUSH VALVE PRIMER TUBE

- POSITION BEVELED END FACING UP, TRAP PRIMER TUBING

SHALL BE INSTALLED OFF BACK OF FLUSH VALVE

WITH 1/2" COMPRESSION FITTING

- 1/2" CHROME PLATED TRAP PRIMER LINE

VACUUM BREAKER. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, AND ZURN.

THE FLUSH VALVE PRIMER SHALL BE INSTALLED WITH A VACUUM BREAKER. FLUSH VALVE PRIMER IS INTENDED FOR USE WITH WATER CLOSETS CONSUMING

FLUSH VALVE

THE FLUSH VALVE PRIMER IS DESIGNED TO PRIME ONE FLOOR DRAIN TRAP AT A DISTANCE NOT TO EXCEED 20 FEET FROM POINT OF INSTALLATION.

FLUSH VALVE TRAP PRIMER NOTES:



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. 23-264



ORIGINAL SHEET SIZE 24" x 36"

- CLEANOUT AND ACCESS COVER, TOP OF

This is not a building permit
from, Idaho's adopted codes, standards, laws or rules applicable to this project.
This approval shall not be construed to be an approval of any violation of, or variance
mark-ups and notes applied.
These Documents are approved
Date: 04/19/24
PA#: BLD2404-00028
Division of Building Safety
Statestants
Approved

SYMBOL	FIX
<u>DF-1</u>	DRINKING FOU FILLING STATI (INTERIOR DU (ELECTRIC WA (ADA COMPLIA
<u>ET-1</u>	EXPANSION T
<u>FD-1</u>	FLOOR DRAIN (DUCTILE IRO (CONCRETE F
<u>FS-1</u>	FLOOR SINK ((HALF GRATE,
LAV-1	LAVATORY (COUNTERTOI (ADA COMPLI/
<u>RP-1</u>	RECIRCULATIO (HOT WATER F (MEDIUM SIZE
<u>S-1</u>	SINK - SINGLE (17" X 20" X 6 7 (ADA COMPLIA
<u>SA-1</u>	SHOCK ABSOR (WATER HAMN
<u>SS-1</u>	SERVICE SINK (24" X 24" X 10 (FLOOR MOUN
<u>TP-1</u>	TRAP PRIMER (FLUSH VALVE (1 TRAP)
<u>U-1</u>	URINAL (FLUSH VALVE (SEE ARCH. F
<u>WB-1</u>	WALL BOX (WATER SUPP
<u>WC-1</u>	WATER CLOSI (FLUSH VALVE (FLOOR MOUN (COMFORT HE
<u>WCO</u>	WALL CLEANC
<u>WH-1</u>	WATER HEATE (20 GALLON LO (208V-1Ø ELEO
NOTES:	
1.	ALL ADA COM
3.	MOLDED CLOS
	VALVE UPSTR
4.	SEE SPECIFIC
5.	LOCATE CONT

		PLl	JMBI	NG F	IXTU	RE SCHEDULE
TURE DESCRIPTION			NNECTION S	r		MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
DUNTAIN WITH BOTTLE FION UAL BUBBLERS) /ATER COOLER) IANT) (HIGH/LOW)	WASTE 1 1/2	VENT 1 1/2	1 1/2	CW 1/2	HW 	ELKAY MODEL MODEL EZSTL8WSVRSK (NON-FILTERED) BI-LEVEL ADA COOLER WITH BOTTLE FILLING STATION FURNISHED WITH FLEXI-GUARD SAFETY BUBBLER. BUBBLER ACTIVATED BY PUSHBAR. BOTTLE FILLER ACTIVATED BY ELECTRONIC SENSOR WITH AUTOMATIC 30-SECOND SHUT-OFF TIMER. 115 VOLT, 5.0 AMPS, 60 HERTZ. PROVIDE WITH JAY R. SMITH 0834 FLOOR MOUNTED SUPPORT CARRIER.
TANK				3/4		AMTROL THERM-X-TRO L ST-5, OR APPROVED EQUAL, NON-ASME SERIES THERMAL EXPANSION ABSORBER, ANTI-MICROBIAL LINER, AND 5 YEAR WARRANTY.
N DN BODY) FLOOR)	2	2	2			SIOUX CHIEF SERIES NUMBER 832-25DNR, POST-CONSTRUCTION LEVELING FLOOR DRAIN, NO-HUB OUTLET, 5-1/2" ROUND, ADJUSTABLE NICKEL BRONZE STRAINER AND TRAP PRIMER PORT. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
(10" DEEP) E, FOOT TRAFFIC RATED)	4	2	4			JAY R. SMITH FIGURE NUMBER 3160Y-12, CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
DP / CABINET MOUNTED) IANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER PENNINGTON MODEL K-2196-4 VITREOUS CHINA, COUNTERTOP-MOUNTED SINK WITH HOLES ON 4" CENTERS, AND GRID STRAINER. KOHLER CORALAIS MODEL K-15198-4RA, 4-1/2" LONG, SINGLE LEVER FAUCET WITH 0.5 GPM AERATO R. PROVIDE WITH WATTS SERIES LFUSG-B LEAD-FREE, THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRASS BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH PIPING INSULATION, TRUEBRO LAV GUARD, PLUMBEREX HANDI-SHIELD, OR EQUAL.
ION PUMP RETURN SYSTEM) ED SYSTEM)					3/4	BELL AND GOSSETT BRONZE MODEL NBF-22, 115 VOLT, 0.8 AMPS, 92 WATTS, AND SHALL PROVIDE 7 GPM AT 10 FEET HEAD. INCLUDE 7-DAY PROGRAMMABLE ELECTRONIC TIME CLOCK WITH BATTERY BACKUP, INTERMATIC MODEL GM40AVE-RD89. APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS.
E COMPARTMENT 1/2") IANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD172065: 6-1/2" DEEP, STAINLESS STEEL SINK. PROVIDE AND INSTALL ELKAY MODEL LK3001CR SINGLE LEVER CHROME FAUCET WITH SWING SPOUT AND HOSE SPRAY, ELKAY MODEL LK35 STAINLESS STEEL STRAINER BASKET A ND TAILPIECE, AND WATTS SERIES LFUSG-B LEAD-FREE, THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
DRBER IMER ARRESTOR)						JAY R. SMITH FIGURE NUMBER 5005 TO 5050, SIZED PER FIXTURES SERVED. PROVIDE AN ACCESS PANEL AND A BALL TYPE SHUT-OFF VALVE UPSTREAM OF SHOCK ABSORBER.
IK 0") INTED)	3	2	3	1/2	1/2	ACORN TERRAZZO-WARE MODEL TRH-242410: PROVIDE AND INSTALL WITH MODEL KFC CHROME UTILITY FAUCET, STAINLESS STEEL BUMPER GUARD, DRAIN GASKET, 36" HOSE AND WALL HANGER, MOP HANGER, AND (2) STAINLESS STEEL WALL GUARDS. MOUNT FAUCET 36" AFF.
R (E PRIMER)				1/2"		PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH VACUUM BREAKER. TRAP PRIMER TUBING SHALL BE INSTALLED OFF BACK OF FLUSH VALVE.
/E) FOR MOUNTING HEIGHT)	2	1 1/2	INT.	3/4		KOHLER BARDON MODEL K-4991-ET WALL MOUNTED URINAL WITH 3/4" TOP SPUD. SLOAN REGAL MODEL 186-0.5 FLUSHOMETER, 0.5 GPF. INCLUDE BEEHIVE STRAINER AND JAY R. SMITH FIGURE NUMBER 0637 ADJUSTABLE FIXTURE SUPPORT.
PLY TO ICE MAKER)				1/2		OATEY FIREMASTER MODEL 39121 WITH FACEPLATE AND ADJUSTABLE METAL SUPPORT BRACKETS. FIRE-RATED, LOW LEAD, OR APPROVED EQUAL.
SET (17-1/2" SEAT HEIGHT) /E) NTED) EIGHT / ADA COMPLIANT)	4	2	INT.	1		KOHLER HIGHCLIFF ULTRA MODEL K-96057 FLOOR MOUNTED WITH ELONGATED BOWL. KOHLER LUSTRA MODEL K-4666-C ELONGATED OPEN FRONT SEAT WITH HINGE. SLOAN REGAL MODEL 111-1.6 FLUSHOMETER, 1.6 GPF.
OUT	SEE PLANS					JAY R. SMITH 4472T SERIES WITH CAST BRONZE TAPER THREAD PLUG, STAINLESS STEEL ROUND COVER, AND A STAINLESS STEEL VANDAL PROOF SCREW.
TER LOWBOY MODEL) ECTRIC)				SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL LE120L3-3, NON-SIMULTANEOUS DUAL ELEMENTS, (2) 4.5 KW, 208V/1Ø, 18" DIAMETER, 25" TALL, WITH SIDE CONNECTIONS. PROVIDE WITH WALL BRACKET SUPPORT SIZED FOR WEIGHT, SEISMIC STRAPS, AND DRAIN PAN. PROVIDE WATER HEATER WITH HEAT TRAP.

MPLIANT FIXTURES MUST COMPLY WITH ICC/ANSI A117.1. SEE ARCHITECTURAL PLANS FOR HANDICAPPED FIXTURE DESIGNATIONS, LOCATIONS, CLEARANCES, AND MOUNTING HEIGHTS. D HW PIPING, CW PIPING, AND DRAIN LINES BENEATH ALL LAVATORIES AND ALL ADA COMPLIANT SINKS MUST BE INSULATED TO PREVENT INJURY. REFER TO ARCHITECTURAL PLANS. INSULATE WITH

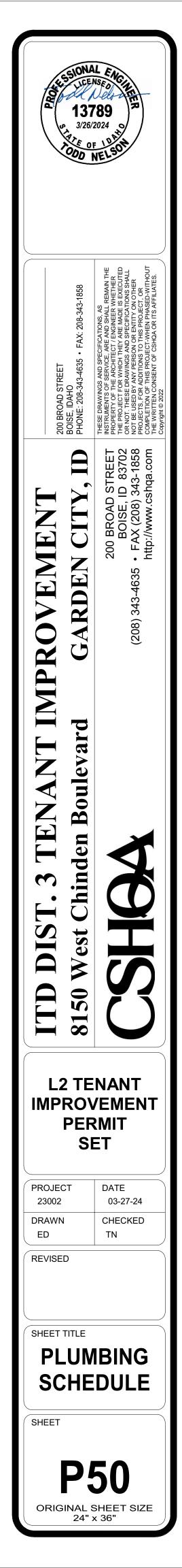
DISTINCT IN INC, OW THINK, AND DISTINCT ENDS DENEATTALE EXVATORIED SEED CELL VINYL INSULATION - TRUEBRO, PLUMBEREX, OR EQUAL.

TRAP PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS (NOT ALL TRAP PRIMERS ARE INDICATED ON PLANS - REFERENCE DETAILS FOR ADDITIONAL INFORMATION). PROVIDE A BALL TYPE SHUT-OFF REAM OF PRIMER VALVE. SEE SPECIFICATIONS.

ICATIONS FOR ALTERNATE APPROVED MANUFACTURERS.

NTROLS PER ADA STANDARDS; REFERENCE ARCHITECTURAL DRAWINGS FOR TUB/SHOWER ELEVATIONS.

6. BACKFLOW PREVENTION: THIS BUILDING IS PROVIDED WITH A BACKFLOW PREVENTION DEVICE ON THE MAIN WATER SERVICE.



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. 23-264



	MECHANICAL	ABBRE	VIATIONS
A /O = = A O			
		KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	KWH	KILOWATT HOUR
AHU	AIR HANDLING UNIT		
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND	LAT	LEAVING AIR TEMPERATURE
	AIR CONDITIONING ENGINEERS		
DTU		LAV LEED	LAVATORY
BTU BTUH	BRITISH THERMAL UNITS BTUS PER HOUR		LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIG
BIUN	BIUS PER HOUR		
CA	COMBUSTION AIR	MAX	MAXIMUM
	COMBOSTION AIR COOLING COIL	MAA	
CFM		MOCP	
	AIR FLOW RATE (CUBIC FEET PER MINUTE)		
CHWR	CHILLED WATER RETURN	MIN	MINIMUM
CHWS	CHILLED WATER SUPPLY		
CLG	CEILING	NC	
CW	COLD WATER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
DEO 0		NTS	NOT TO SCALE
	DEGREE		
	DIAMETER	OSA	OUTSIDE AIR
DB	DRY BULB		
		PD	PRESSURE DROP
EA	EXHAUST AIR		
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
EER	ENERGY EFFICIENCY RATIO		
ESP	EXTERNAL STATIC PRESSURE	RA	RETURN AIR
EWT	ENTERING WATER TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
		RTU	ROOFTOP UNIT
FCO	FLOOR CLEANOUT		
FD	FIRE DAMPER	SA	SUPPLY AIR
	FULL LOAD AMPS	SEER	SEASONAL ENERGY EFFICIENCY RATIO
FLR	FLOOR	SFD	COMBINATION SMOKE/FIRE DAMPER
FPM	FEET PER MINUTE	SP	STATIC PRESSURE
FT	FEET	SYM	SYMBOL
GA	GAUGE	T & P	TEMPERATURE AND PRESSURE
GCO	GRADE CLEANOUT	TEMP	TEMPERATURE
GPM	WATER FLOW RATE (GALLONS PER MINUTE)	TYP	TYPICAL
	HEATING COIL	UMC	UNIFORM MECHANICAL CODE
	HORSE POWER	UPC	UNIFORM PLUMBING CODE
HVAC	HEATING, VENTILATING, AIR CONDITIONING	URL	URINAL
HW	HOT WATER		
HWR	HOT WATER RETURN	VTR	VENT THROUGH ROOF
HWS	HOT WATER SUPPLY	V	VOLTS
IBC	INTERNATIONAL BUILDING CODE	W/	WITH
IEEC	INTERNATIONAL ENERGY CONSERVATION CODE	WB	WET-BULB
	INTERNATIONAL FIRE CODE	WC	WATER CLOSET
IFC			WALL CLEANOUT
IFGC	INTERNATIONAL FUEL GAS CODE	WCO	WALL CLEANOUT
	INTERNATIONAL FUEL GAS CODE INTERNATIONAL MECHANICAL CODE	WCO	WALL CLEANOUT

NOTE	MAY NOT BE USED IN THIS DRAWING PACKAGE.
	MECHANICAL GENERAL NOTES
1.	ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (IMC) LATEST EDITION, AND ALL APPLICABLE LOCAL AND STATE CODES.
2.	ALL MECHANICAL SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
3.	MECHANICAL CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER.
4.	MECHANICAL CONTRACTORS SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS.
5.	THE MECHANICAL CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS PRIOR TO ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
6.	SEE MECHANICAL SCHEDULE SHEET FOR SCHEDULED CAPACITIES OF ALL MECHANICAL EQUIPMENT AND MATERIALS SPECIFIED.
7.	ALL MECHANICAL EQUIPMENT TO BE PROPOSED MUST BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT.
8.	PAINT MECHANICAL ITEMS ON THE ROOF TO MATCH THE ROOF COLOR.
9.	INSULATED FLEXIBLE DUCTWORKIN LENGTHS OF 6'-0" OR LESSMAY BE USED FOR RUNOUTS TO AIR TERMINALS.
10.	MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST OR GAS FLUE DISCHARGES.
11.	LOCATE ACCESS HATCHCES SO AS TO PROVIDE OPTIMUM SERVICEABILITY TO EQUIPMENT AND/OR VALVING. SEE ARCHITECTURA SPECIFICATION FOR TYPE AND COLOR. COORDINATE LOCATION WITH ARCHITECTURAL, STRUCTURAL, AND LIGHTING.
12.	WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
13	THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONA

THIS IS A STANDARD LIST OF COMMONLY USED MECHANICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE

NOTE:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COST SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR (OR THEIR SUBCONTRACTORS) AFTER BIDS HAVE BEEN SUBMITTED AND CONTRACTS AWARDED FOR FAILURE TO VERIFY EXISTING FIELD CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR ALTERNATIVE METHODS OF INSTALLATION PRIOR TO THE BIDDING OF THIS PROJECT.

UNLESS OTHERWISE NOTED, ALL EXISTING MECHANICAL EQUIPMENT, PIPING, ETC, TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR UNDER THIS CONTRACT. THE OWNER SHALL RETAIN THE RIGHT TO KEEP ANY REMOVED ITEMS.

HOLES IN EXISTING WALLS OR FLOORS SHALL BE PATCHED TO MATCH EXISTING WHERE PIPING, DUCTWORK, ETC, WERE 15. REMOVED OR ADDED DURING THIS PROJECT.

DAMAGE TO THE EXISTING FACILITY DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED OR REPLACED BY THE 16. CONTRACTOR AT NO COST THE OWNER.

	FLEXIBLE	DUCTWORK		₩.		THREE WAY CONTROL VALVE
<u>↓</u>		ĸ		کل		TWO WAY CONTROL VALVE
		K BREAK		\sim		PRESSURE REDUCING VALVE
		K OR PIPING RISE		\bowtie		GATE VALVE
	CONCENT	RIC SQUARE TO		<u>к</u>		
	ROUND TRANSITIO			•		REDUCER
M——-		ED DAMPER	φ			GLOBE VALVE BALL VALVE
AIRFLOW	•	TTING W/ AIR EXTRACTOR		م الح الح	꺡 건 _대	BUTTERFLY VALVE
	<u> </u>	CIENCY FITTING W/ HAND DAMPER			-4 ./{	BALANCE VALVE
AIRFLOW -	SWITCH		N N		₽ Zi	CHECK VALVE
Ō	THERMOS	ТАТ			FCO	FLOOR CLEANOUT
Ð	HUMIDIST	AT	<u>ج</u>		<u>WCO</u>	WALL CLEANOUT
S	TEMPERA	TURE SENSOR	<u>ج</u>		<u>GCO</u>	GRADE CLEANOUT
602	CARBON D	DIOXIDE SENSOR		7		WATER HAMMER ARRESTOR
 ©	CARBON	IONOXIDE SENSOR	<u>ج</u>	•	A	FLOOR DRAIN
		DXIDE SENSOR				FLOOR SINK
 ©						GAS PRESSURE REGULATOR W/ GAS C
	COMBINA	ION SMOKE/FIRE DAMPER	, n	 ≱)	PRESSURE RELIEF VALVE
	FIRE DAM	PER	1	т _/	0	VENT-THROUGH-ROOF
	SMOKE DA		• ر 		{	VENT
v	EQUIPMEN	IT CALLOUT				SOIL, WASTE, OR SANITARY SEWER
 	TURNING	VANES	,	AW		ACID WASTE LINE
	– INTAKE OF	REXHAUST		AV—		ACID VENT LINE
	- DIRECTIO	N OF AIRFLOW	۔ ک	SD —		STORM DRAIN
	D-X CFM X"Ø SUPPLY D	IFFUSER		RD —		ROOF DRAIN LINE
Ø	R-X X"Ø RETURN G	RILLE		OD —		OVERFLOW DRAIN LINE
Ø	R-X CFM X"Ø EXHAUST	GRILLE		CD —		CONDENSATE DRAIN LINE
	G-X CFM X"Ø FLOOR GF	RILLE				DOMESTIC COLD WATER (CW)
∞	CEILING E	XHAUST FAN	ک		· 	DOMESTIC HOT WATER (HW)
Ф	TEMPERA	TURE GAUGE				DOMESTIC HOT WATER RETURN (HWR)
		E GAUGE (LIQUID ISOLATION VALVE)	у т	w—		TEMPERED WATER (TW)
 [<u>5</u>] T	-	TURE SENSOR (DUCT OR PIPING)	۸	1PG —		MEDIUM PRESSURE NATURAL GAS
 F3	- FLOW SW	тсн	ş	• G —		LOW PRESSURE NATURAL GAS
	-	S STEEL BRAIDED	۔ 	F —		FIRE SPRINKLER LINE
	CONNECT	ION ETRIC FLEX CONNECTOR	۔ ج(GW S	ر 	GEOTHERMAL WATER SUPPLY
		DIFFUSER		GW R		GEOTHERMAL WATER RETURN
₽		RAINER (1-1/2" OR LARGER) W/ BLOW DOWN VALVE)	، ز	cws—		CHILLED WATER SUPPLY
	FLOW DIR	,	، <u> </u>	CWR-		CHILLED WATER RETURN
		ON / EQUIPMENT TO BE REMOVED		cs—	5	CONDENSER WATER SUPPLY
	NEW TO E	XISTING CONNECTION POINT		CR—		CONDENSER WATER RETURN
(E)	EXISTING		اـــــك	-IWS-		HEATING WATER SUPPLY
(F)	FUTURE		۱ ــــــ	-IW R -		HEATING WATER RETURN
(N)	NEW			L —	S	LIQUID REFRIGERANT LINE
		PRESSURE V PREVENTER	<u></u>	s —	\$	SUCTION REFRIGERANT LINE
	DOUBLE C	HECK BACKFLOW PREVENTER		>	s	SLOPE PIPE IN DIRECTION OF ARROW
I						PIPE ANCHOR
수	AIR VENT		= ۶			PIPE GUIDE
Ŕ	TRIPLE DU	ITY VALVE	<u> </u>			САР

COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE IS REQUIRED FOR THIS PROJECT. THESE NOTES COVER MANDATORY REQUIREMENTS OF THE CODE. ADDITIONAL REQUIREMENTS ARE NOTED ON THE DRAWINGS AND IN THE SPECIFICATIONS. MINIMUM REQUIREMENTS FOR SUPPLY AND RETURN DUCTWORK INSULATION: Β. TYPICAL INSULATION THICKNESS REQUIRED TO MEET THESE REQUIREMENTS: 1. FIBERGLASS DUCT WRAP: R-6, R-12. 2. FIBERGLASS DUCT LINER: R-6, R-12. INSTALLED VALUES. D. MAINTAIN THE CONTINUITY OF THE VAPOR RETARDER. SHALL BE SEALED AND MECHANICALLY FASTENED. MINIMUM REQUIREMENTS (THICKNESS) FOR PIPING INSULATION SHALL BE AS FOLLOWS: F NOMINAL PIPE DIAMETER FLUID 1. REFRIGERANT THE ABOVE INSULATION IS BASED ON HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU-INCH/HOUR-FT2-°F. G. DOMESTIC HOT WATER PIPING SYSTEMS SHALL BE INSULATED WITH 1" INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU-INCH/HOUR-FT2-°F. SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING AT THE WATER HEATER. TIME CLOCKS. O&M MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION AS A MINIMUM: 1. EQUIPMENT CAPACITY (INPUT & OUTPUT). 2. EQUIPMENT OPERATING AND MAINTENANCE INSTRUCTIONS. CONTROL SEQUENCES. COMMENT ON DDC SYSTEMS. 5. A COMPLETE WRITTEN NARRATIVE ON HOW EACH MECHANICAL SYSTEM IS INTENDED TO OPERATE.

Ν	IECHANICAL SHEET INDEX
HEET NUMBER	SHEET NAME
100	MECHANICAL COVERSHEET
110	HVAC ZONE PLAN
120	HVAC SECOND FLOOR PLAN
130	HVAC ROOF PLAN
140	HVAC DETAILS
141	HVAC DETAILS
150	HVAC SCHEDULES
160	HVAC CONTROLS
161	HVAC CONTROLS
00	FIRE SPRINKLER PLAN
10	PLUMBING FIRST FLOOR PLAN
20	PLUMBING SECOND FLOOR PLAN
30	PLUMBING ROOF PLAN
40	PLUMBING DETAILS
50	PLUMBING SCHEDULE

ENERGY CODE COMPLIANCE

1. R-6: DUCTS LOCATED IN UNCONDITIONED SPACES (SPACE NEITHER HEATED NOR COOLED SUCH AS ABOVE CEILING SPACES, WALL SPACES, DUCT CHASES, SOFFITS, ATTICS, CRAWL SPACES, UNHEATED BASEMENTS, AND UNHEATED GARAGES).

C. CONTRACTOR SHALL VERIFY THE R-VALUES OF THE ACTUAL INSULATION USED WITH THE MANUFACTURER. R-VALUES SHALL BE

WHERE DUCTS USED FOR COOLING ARE EXTERNALLY INSULATED, THE INSULATION SHALL BE COVERED WITH A VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM OR ALUMINUM FOIL HAVING A MINIMUM THICKNESS OF 2 MILS. INSULATION HAVING A PERMEANCE OF 0.05 PERMS OR LESS SHALL NOT BE REQUIRED TO BE COVERED. ALL JOINTS AND SEAMS SHALL BE SEALED TO

ALL DUCT JOINTS, SEAMS, AND CONNECTIONS SHALL BE FASTENED AND SEALED WITH WELDS, GASKETS, ADHESIVES, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS, OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED PER UL181A OR UL181B. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS. DUCT CONNECTIONS TO FLANGES OR EQUIPMENT

1/2" TO < 1-1/2" 1-1/2" TO < 4" 4" AND ABOVE

SEE SPECIFICATIONS

H. DOMESTIC WATER HEATERS WHICH ARE NOT PROVIDED WITH INTEGRAL HEAT TRAPS AND SERVE NONCIRCULATING SYSTEMS

DOMESTIC HOT WATER SYSTEMS WITH RECIRCULATION PUMPS OR ELECTRIC HEAT TRACE SHALL BE CONTROLLED WITH 7-DAY

AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THE

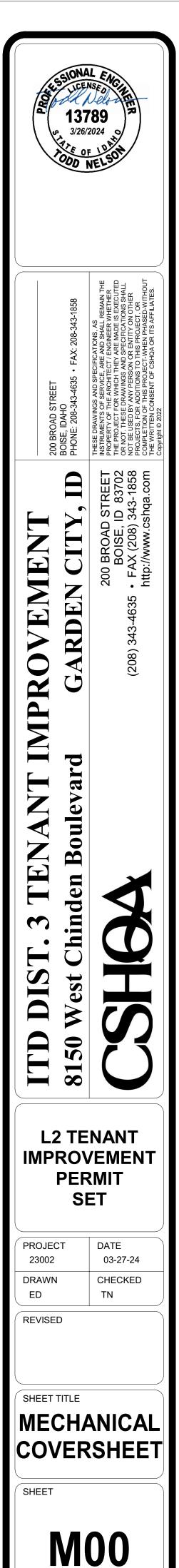
3. CONTROL SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND

4. CONTROL SYSTEM SETPOINTS SHALL BE SHOWN ON CONTROL DRAWINGS, AT CONTROL DEVICES, OR IN PROGRAMMING



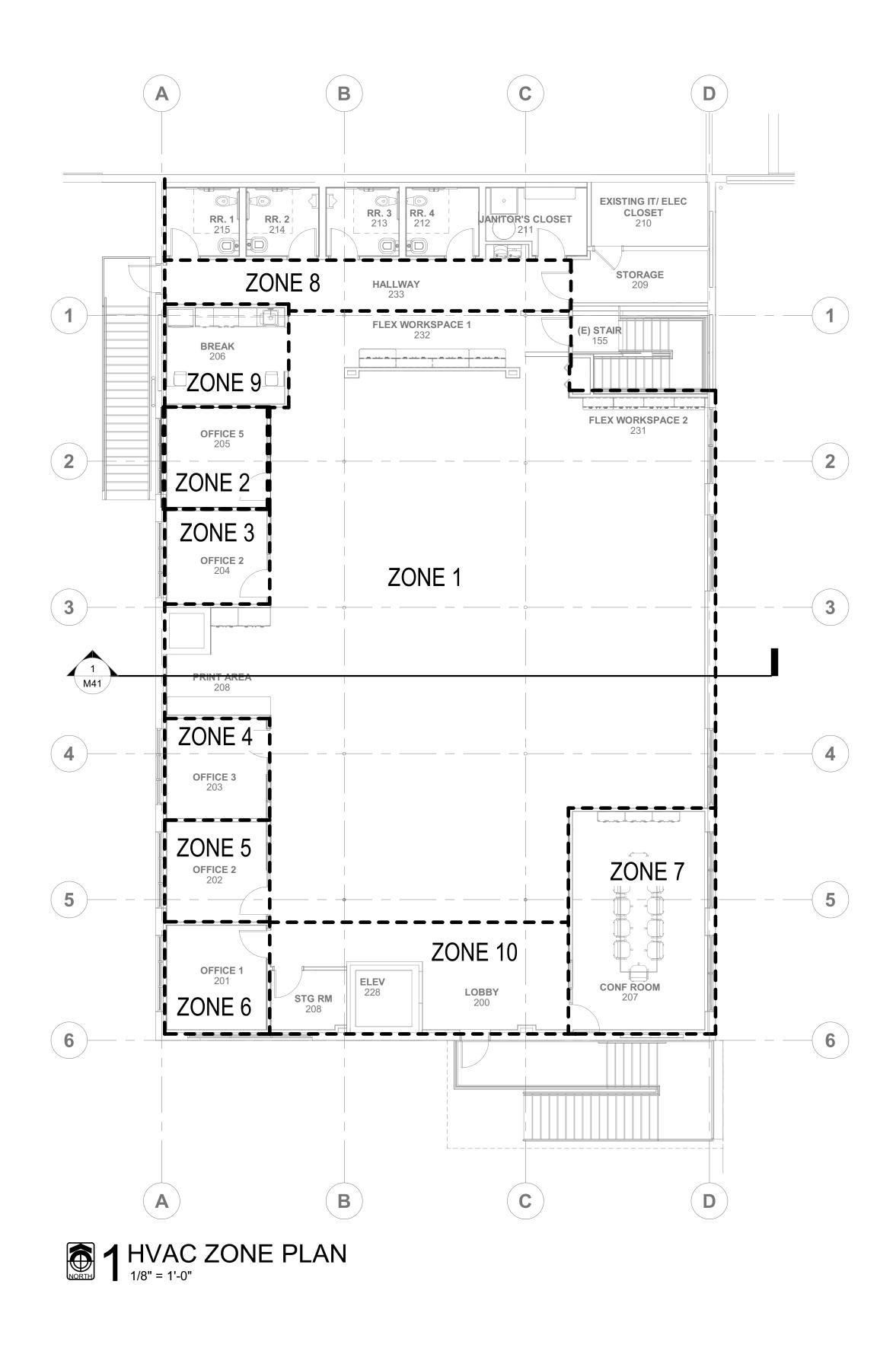
ENGINEERING, P.A. 234 S. Whisperwood Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862 www.musgrovepa.com Project No. 23-264

MUSGROVE



ORIGINAL SHEET SIZE 24" x 36"





Project Information Energy Code: 2018 IECC Project Title: ITD D3 2nd Floor Remodel		/ 4 Mech	anical Complia	n COMcheckWeb nce Certificate	Mechanica Compliance Si plans, specific
Project Information Name - Till Iberryy Code: 2018 IECC Typect Title: ITD D3 2nd Floor Remodel Jonation: Bolies, Idaho Jimate Zone: Sb Project Type: Alteration Construction Site: Owner/Agent: Designer/Contractor: Mechanical Systems List DuantifySystem Type & Description 1 HP-1 (Unknowni: YRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 3 /k Bluth, No minimum efficiency requirement applies Cooling Mode: Capacity = 3 k Bluth, No grammum efficiency requirement applies Solita, Air Cooled Heat Pump Heating Mode: Capacity = 3 k Bluth, No grammum efficiency requirement applies HP-2 (Unknowni: YRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 3 k Bluth, No grammum efficiency requirement applies 1 HP-3 (FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 k Bluth, Proposed Efficiency = 20.00 (Hord Tameplate HF and Tam efficiency method) : Passes Fans: TAM 1 Supply. Constant Volume, 450 CFM, 0.1 motor nameplate HP and Tan efficiency grade, 80.0 total fan efficiency, 70.00 Requirement maneplate HP and fan efficiency grade, 80.0 total fan efficiency requirement applies Constant. Volume, 450 CFM, 0.1 motor nameplate HP. 80.0 fan efficiency requirement applies Constant. Volume, 450 CFM, 0.1 motor nameplate HP. 80.0 fan efficiency requirement applies Constant. Volume, 450 CFM, 0.1 motor na			nan an ann an Ann an Ann an A		designed to m mandatory rec
<pre>https:// Title: ITD D3 2nd Floor Remodel ocation: Boise, Idaho project Type: Alteration Construction Site: Owner/Agent: Designer/Contractor: Mechanical Systems List Duantity System Type & Description 1 WF Condensing Unit. Ar Cooled Heat Pump Heating Mode: Capacity = 37 kitturk. No minimum efficiency requirement applies Cooling Mode: Capacity = 37 kitturk. No minimum efficiency requirement applies Fan System: None 1 WF 2. (Unknown): WF Condensing Unit. Ar Cooled Heat Pump Heating Mode: Capacity = 37 kitturk. No minimum efficiency requirement applies Cooling Mode: Capacity = 37 kitturk. No minimum efficiency requirement applies Fan System: None 1 WF 2. (Unknown): WF Condensing Unit. Ar Cooled Heat Pump Heating Mode: Capacity = 37 kitturk. No minimum efficiency requirement applies Fan System: None 1 WF 2. (Unknown): WF Condensing Unit. Ar Cooled Heat Pump Heating Mode: Capacity = 37 kitturk. No minimum efficiency requirement applies Fan System: None 1 WF 2. (Unknown): WF Condensing Unit. Ar Cooled Heat Pump Heating Mode: Capacity = 37 kitturk. No minimum efficiency requirement applies Fan System: None 1 WF 3. (FSTER) 1 - Compliance (Moot nameplate Heat All and efficiency = 0.00 Fan System: FAN System 1.200 StPSF. Required Efficiency = 20.00. Required Efficiency = 14.00 SEER Proposed Efficiency = 20.00. Required Efficiency = 0.00 Fan System: FAN System 1.200 StPSF. Required Efficiency = 14.00 SEER Proposed Efficiency = 20.00. Required Efficiency = 0.00 Fan System: FAN System 1.200 StPSF. And I fan efficiency = 0.00 I fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency, fan exception: Single fan <= 5HP 5 FC.1.11.22.12.22.23 (Single Zone): Heating: 1 each · Other, Electric. Capacity = 10 Kitturh No minimum efficiency ranket papiles Fan System: FAN System FAN Sy</pre>	Proje	ct Information			Name - Title
Jocation: Boise, Idaho Jimate Zone: Sb Sortect Type: Alkeration Construction Site: Owner/Agent: Designer/Contractor: Mechanical Systems List Duantity System Type & Description 1 HP-1 (Unknown): Werk/Agent: Designer/Contractor: Mechanical Systems List Duantity System Type & Description 1 HP-1 (Unknown): Werk/Agent: Designer/Contractor: Nor minimum efficiency requirement applies Cooling Mode: Capacity = 30 KBLuh, Nor minimum efficiency requirement applies Nor minimum efficiency requirement applies 1 HP-2 (Unknown): VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 30 KBLuh, No minimum efficiency requirement applies Nor minimum efficiency requirement applies 1 HP-3 (FC-3 (Single Zone): Split System Heat Dump Heating Mode: Capacity = 10.00 KBF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 20.50 SEER, Required Efficiency = 14.00 SEER Phoposed Efficiency = 20.50 SEER, Required Efficiency = 14.00 SEER Proposed Efficiency = 20.50 SEER, Required Efficiency = 0.00 Fans: Fans: Fans: Fans: Fans: Fans: Fans: Split System KA STER L - Compingulate (Mator Anneplate He Mat An efficiency grade, 80.0 total fan efficiency = 7.					
Inspect Type: Alteration Construction Site: Owner/Agent: Designer/Contractor: Mechanical System Type & Description Impact Type in the term of t	Location				
Construction Site: Owner/Agent: Designer/Contractor: Mechanical System Super Su					
 Mechanical Systems List Quantity System Type & Description I HF-1 (Unknown): VRF Condensing Unit. Air Cooled Heat Pump Heasting Mode: Capacity = 37 & Bluth, No minimum efficiency requirement applies Cooling Mode: Capacity = 36 & Bluth, No minimum efficiency requirement applies Fan System: None I HF-2 (Unknown): VRF Condensing Unit. Air Cooled Heat Pump Heasting Mode: Capacity = 37 & Bluth, No minimum efficiency requirement applies Cooling Mode: Capacity = 37 & Bluth, No minimum efficiency requirement applies Cooling Mode: Capacity = 37 & Bluth, No minimum efficiency requirement applies Split System Heat Pump Heasting Mode: Capacity = 37 & Bluth, No minimum efficiency requirement applies Fan System: None I HP-3 / FC-3 (Single Zone): Split System Heat Pump Heasting Mode: Capacity = 10 & Bluth, Proposed Efficiency = 11.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 20 & Bluth, Proposed Efficiency = 0.00, Required Efficiency = 14.00 SEER Proposed Efficiency = 0.00, Required Efficiency = 14.00 SEER Proposed Efficiency = 0.00, Required Efficiency = 0.00 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method): Passes Fans: Fan	rioject	type.	Alteration		
 Duantity System Type & Description HP-1 (Unknown): VFE Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h. No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h. No minimum efficiency requirement applies Fan System: None HP-2 (Unknown): VFE Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h. No minimum efficiency requirement applies Cooling Mode: Capacity = 37 kBtu/h. No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h. No minimum efficiency requirement applies Fan System: None HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h. Proposed Efficiency = 11.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h. Proposed Efficiency = 11.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h. Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h. Proposed Fart Load Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply. Constant Volume. 450 CFM, 0.1 motor nameplate hp. 80.0 fan efficiency grade. 80.0 total fan efficiency, 80.0 dosign fan efficiency i a no exception: Single fan <= 5HP FC-1.11.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h. No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency and the Capacity = 9 kBtu/h. No minimum efficiency fance Fan Unit, Capacity = 9 kBtu/h. No minimum efficiency fance Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency fance fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency fance fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency fance fance (Motor nameplate HP and fan efficiency grade, 80.0 tota	Constru	ction Site:	Owner/Agent:	Designer/Contractor:	
 HP-1 (Unknown): VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h, No minimum efficiency requirement applies Fan System: None HP-2 (Unknown): VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Fan System: None HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 20.08 SEER, Required Efficiency = 14.00 SEER Proposed Efficiency = 20.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Efficiency = 14.00 SEER FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency , fan exception: Single fan <= SHP FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VRF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency Fault - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan Mo minimum efficiency Fault - Compliance (Motor nameplate HP and fan efficiency grade, 80.0 total fan 	Mech	anical Systems L	ist		
 VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h, No minimum efficiency requirement applies Fan System: None HP-2 (Unknown): VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Fan System: None HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 11.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 20.50 SEER, Required Efficiency = 14.00 SEER Proposed Efficiency = 0.00, Seglier Park (Moder Park) Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency - 10 kBtu/h No minimum efficiency requirement is Single fan <= 5HP FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency - 10 kBtu/h No minimum efficiency requirement applies Cooling : Leach - VRF Zone Fan Unit, Capacity = 10 kBtu/h No minimum efficiency requirement applies Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hP, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency + 10 kBtu/h No minimum efficiency requirement applies Cooling : Leach - VRF Zone Fan Unit, Capacity = 10 kBtu/h No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan Minimum efficiency requirement applies Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency grade, 80.0 total fan 			Description		
 Heating Mode: Capacity = 37 kBtu/h. No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h. No minimum efficiency requirement applies Fan System: None 1 HP-2 (Unknown): VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h. No minimum efficiency requirement applies Cooling Mode: Capacity = 37 kBtu/h. No minimum efficiency requirement applies Cooling Mode: Capacity = 36 KBtu/n. No minimum efficiency requirement applies Fan System: None 1 HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h. Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 20.50 SEER. Required Efficiency = 14.00 SEER Proposed Efficiency = 0.00, Sequired Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency - 10 kBtu/h No minimum efficiency cinement applies 5 FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency endurement applies 5 FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency endurement applies 6 Cooling: 1 each - VHF Zone Fan Unit, Capacity = 10 kBtu/h No minimum efficiency endurement applies 7 FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency method) : Passes 7 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes 7 FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency method) : Passes 7 Fans: FAN System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency grade, 80.0 total fan 7 FAN 1 Supply, C	1		t. Air Cooled Heat Pump		
Cooling Mode: Capacity = 36 kBtu/h, No minimum efficiency requirement applies Fan System: None HP-2 (Unknown): VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h, No minimum efficiency requirement applies Fan System: None HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 100 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 20 xBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 10 xBtu/h, Proposed Efficiency = 0.00, Required Efficiency = 0.00 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency, fan exception: Single fan <= 5HP 5 FC-1.1/1.2/2.1/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency 80.0 design fan efficiency fan exception: Single fan <= 5HP 5 FC-1.1/1.2/2.1/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan Fins: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan		Heating Mode: Capa	city = 37 kBtu/h,		
 Fan System: None HP-2 (Unknown): VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h, No minimum efficiency requirement applies Fan System: None HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency, fan exception: Single fan <= 5HP FC-1.1/1.2/2.1/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Other, Electric, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fans: Fans: Fans: Fans: Fans: System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fans: Fans: Fans: Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP, 80.0 fan efficiency grade, 80.0 total fan efficiency requirement applies Cooling: 1 each - VHP Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fans: Fans: Fans: Fans: Fans: Fans: Fans: Fans: Fans: 		Cooling Mode: Capa	city = 36 kBtu/h,		
 VRF Condensing Unit, Air Cooled Heat Pump Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h, No minimum efficiency requirement applies Fan System: None I HP-3 / FC-3 (Single Zone): Split: System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 20 xBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 44.00 SEER Proposed Efficiency = 0.00, Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency = 10 kBtu/h No minimum efficiency requirement applies FC-1.11.2.22.12.2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN System: FAN SYSTEM 1 - Compliance (Motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency i fan exception: Single fan <= SHP FC-1.11.2.2.12.2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan 		Fan System: None			
Heating Mode: Capacity = 37 kBtu/h, No minimum efficiency requirement applies Cooling Mode: Capacity = 36 kBtu/h, No minimum efficiency requirement applies Fan System: None 1 HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h, Proposed Efficiency = 20.50 SEER, Required Efficiency = 14.00 SEER Proposed Efficiency = 20.50 SEER, Required Efficiency = 14.00 SEER Proposed Efficiency = 0.00 Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency , fan exception: Single fan <= 5HP 5 FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - VHF Zone Fan Unit, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan	1	VRF Condensing Uni	it, Air Cooled Heat Pump		
No minimum efficiency requirement applies Fan System: None 1 HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h, Proposed Part Load Efficiency = 0.00, Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency, fan exception: Single fan <= 5HP 5 FC-1.1/1.2/2.1/2.2(2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan		Heating Mode: Capa	city = 37 kBtu/h,		
 Fan System: None HP-3 / FC-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 1.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h, Proposed Efficiency = 20.50 SEER, Required Efficiency = 14.00 SEER Proposed Efficiency = 0.00, Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency , fan exception: Single fan <= 5HP FC-1.1/1.2/2.1/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes 		Cooling Mode: Capa	city = 36 kBtu/h,		
Split System Heat Pump Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 11.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h, Proposed Efficiency = 0.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency in exception: Single fan <= 5HP		Fan System: None			
Heating Mode: Capacity = 20 kBtu/h, Proposed Efficiency = 1.10 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 17 kBtu/h, Proposed Efficiency = 20.50 SEER, Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency , fan exception: Single fan <= SHP 5 FC-1.11.2/2.1/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate HP and fan efficiency grade, 80.0 total fan	1				
Cooling Mode: Capacity = 17 kBtu/h. Proposed Fifciency = 0.00 , Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency , fan exception: Single fan <= 5HP 5 FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VRF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan		Heating Mode: Capa	city = 20 kBtu/h,	B 20 HSPE	
Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency, fan exception: Single fan <= 5HP 5 FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan		Cooling Mode: Capa	city = 17 kBtu/h,		
 Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency ; fan exception: Single fan <= SHP FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan 		Proposed Part Loa	ad Efficiency = 0.00 , Required Part Load	d Efficiency = 0.00	
 FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan efficiency, 80.0 design fan efficiency, fan exception: Single fan <= 5HP FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan 			ioren a - complance (noter nameput	e in dia las encercy methody. Lastes	
 FC-1.1/1.2/2.1/2.2/2.3 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VRF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan 		FAN 1 Supply, Col	nstant Volume, 450 CFM, 0.1 motor nan gn fan efficiency , fan exception: Single	teplate hp, 80.0 fan efficiency grade, 80.0 total fan fan <= 5HP	
No minimum efficiency requirement applies Cooling: 1 each - VHF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan	5				
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 9 kBtu/h, Unknown Economizer No minimum efficiency requirement applies Fan System: FAN SYSTEM 1 Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan		No minimum effic	iency requirement applies		
Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan		Cooling: 1 each - VR	F Zone Fan Unit, Capacity = 9 kBtu/h, L	Inknown Economizer	
FAN 1 Supply, Constant Volume, 450 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade, 80.0 total fan				e HP and fan efficiency method) : Passes	
efficiency, 80.0 design fan efficiency , fan exception: Single fan <= 5HP			nstant Volume. 450 CFM. 0.1 motor nan	peolate hp. 80.0 fan efficiency grade. 80.0 total fan	
		efficiency, 80.0 desi	gn fan efficiency , fan exception: Single	fan <= 5HP	
Project Title: ITD D3 2nd Floor Remodel Report date: 02/06/24 Project Tit					
Data filename: Page 4 of 13 Data filen	Project	Title: ITD D3 2nd Flo	or Remodel	Report date: 02/06/24	Project Title:

<u> </u>						201	ne Summa	ry					
PR	OJECT:	ITD D3 Second	Floor TI		Design C	Conditions	Winter	11.4	Summer	98.7			
co	MPUTED BY:	ED			DATE:	20-Feb-24	CHK BY:	TN					
				Heating	Load	Sensible Cooling Load	Total Cooling Load					o:	Unit Selection Size
Zone Reference		;e	FLOOR SQ. FT.	втин	kW	втин	втин	NOMINAL TON (12000-BTUH/TON)	SQ. FT PER NOMINAL TON	NUMBER OF PEOPLE	OSA	EXHAUST	TONS
1	1 ZONE 1: Open Workspace 230 2 ZONE 2: Office 5 205 3 ZONE 3: Office 2 204		2900	63,734	19	52,074	57,684	4.8	603.3	20	343	0	RTU-1 (EXIS
2			120	3,788		4,084	4,645	0.4	310.0	2	22	0	FC-1.1 (0.75
3			113	3,679	1	4,039	4,600	0.4	294.8	2	21	0	FC-1.2 (0.75
4	ZONE 4: Office	3 203	120	3,788	1	4,084	4,645	0.4	310.0	2	22 22 22	0	FC-1.3 (0.75
5	ZONE 5: Office	2 202	120	3,788	1	4,084 5,136	4,645 5,697	0.5	310.0	2		0	FC-1.4 (0.75
6	ZONE 6: Office	1 201	125	5,094					263.3	2			FC-1.5 (0.7
7	ZONE 7: Confe	erence Room 207	345	12,511	4	14,916	17,721	1.5	233.6	10	88	0	FC-3 (1.5)
8	Zone 8: Hallwa	y 233	236	4,526	1	1,985	1,985	0.2	1427.0	0	18	0	RTU-1 (EXIS
9	ZONE 9: Break	206	136	5,090	1	6,120	7,523	0.6	216.9	5	41	0	RTU-1 (EXIS
10	ZONE 10: Lobb	by 200	323	8,817	3	5,601	7,564	0.6	512.4	7	68	0	RTU-1 (EXIS
-	Total Loads =	Ê.	4538	114,813	34	102,121	116,707	9.7	467	52	665	0	
	44	(a)	- 123	Ener				Equipment Sci	hedule)	(C)	9		8
					Equ	ipment is selec	ted based on ne	xt available size					

1



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. 23-264

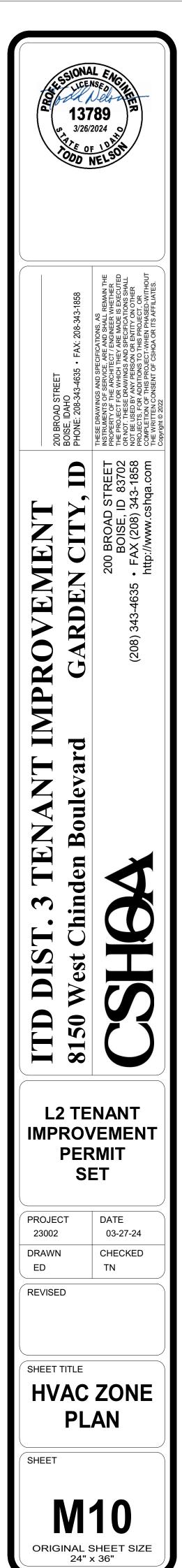
CHECK nical Compliance Statement ce Statement: The proposed mechanical alteration project represented in this document is consistent with the building coffications, and other calculations submitted with this permit application. The proposed mechanical systems have been to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable ry requirements listed in the Inspection Checklist.

Dyke, Engineer

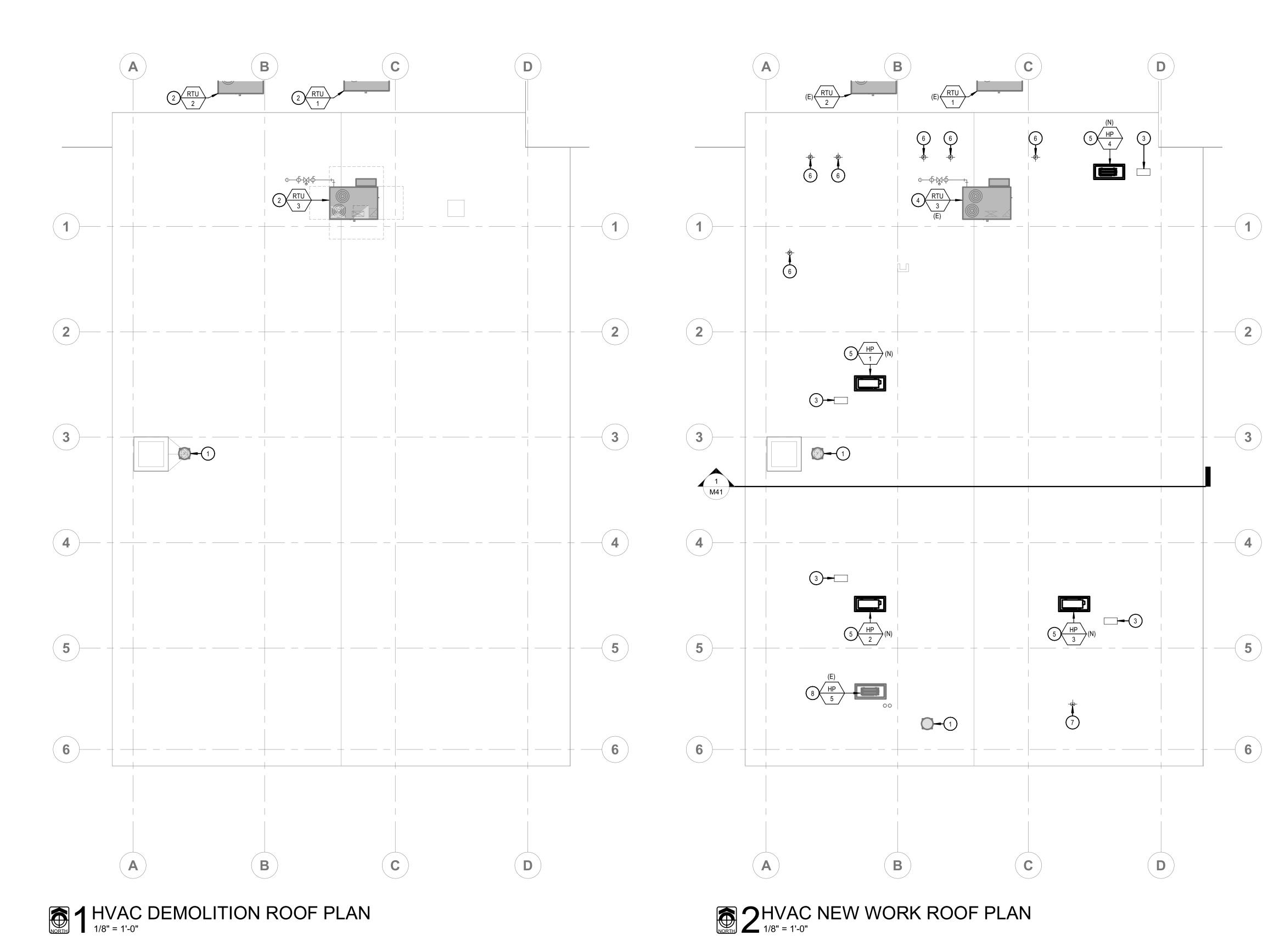
2/6/2024
Date 2/6/2024

tle: ITD D3 2nd Floor Remodel

Report date: 02/06/24 Page 5 of 13









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. 23-264

13789 3/26/2024

OD NEN

L REMAIN WHETHEF IS EXECU IS EXECU TIONS SH/ DN OTHER OR OR

THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL R PROPERTY OF THE ARCHITECT / ENGINEER WI THE PROJECT FOR WHICH THEY ARE MADE IS OR NOT. THESE DRAWINGS AND SPECIFICATIC NOT BE USED BY ANY PERSON OR ENTITY ON PROJECTS, FOR ADDITIONS TO THIS PROJECT COMPLETION OF THIS PROJECT-WHEN PHASE THE WRITTEN CONSENT OF CSHQA OR ITS AFT

-REET 83702 3-1858

ЪОČ

<u>∎ ¤ ×</u>

ш

35

34

(208)

200 BROAD STR BOISE, IDAHO PHONE: 208-343

C

GARDEN

IMPROVEMEN

ENANT I Boulevard

de

Chin

3

8150

L2 TENANT IMPROVEMENT

PERMIT

SET

DATE 03-27-24

CHECKED

ΤN

TEL

 \mathbf{C}

ITD DIST.

PROJECT

23002

DRAWN ED

REVISED

SHEET TITLE

SHEET

HVAC ROOF

PLAN

M30

ORIGINAL SHEET SIZE 24" x 36"

KEYED NOTES:

SYMBOL USED FOR CALLOUT

- 1. EXISTING EXHAUST FAN TO REMAIN AS-IS
- 2. EXISTING ROOFTOP UNIT TO REMAIN AS-IS
- 3. PROVIDE AND ROUTE REFRIGERANT LINES THROUGH REFRIGERANT HOOD. SEE DETAIL FOR REQUIREMENTS.
- 4. EXISTING ROOFTOP UNIT TO REMAIN. REBALANCE TO 4,000-CFM AND VERIFY UNIT OPERATION.
- 5. INSTALL NEW ROOF MOUNTED HEAT PUMP ON MIRO STAND. SEE DETAIL FOR INSTALLATION REQUIREMENTS.
- 6. EXHAUST FAN ROOF CAP. SEAL AROUND ROOF PENETRATION.
- ROUTE 8" OUTSIDE AIR DUCT FROM FLOOR BELOW. PROVIDE AND INSTALL GOOSENECK VENT TERMINATION PER DETAIL.
- 8. EXISTING HEAT PUMP UNIT TO REMAIN.

1 \sim

2

 $\overline{}$

3

 \searrow

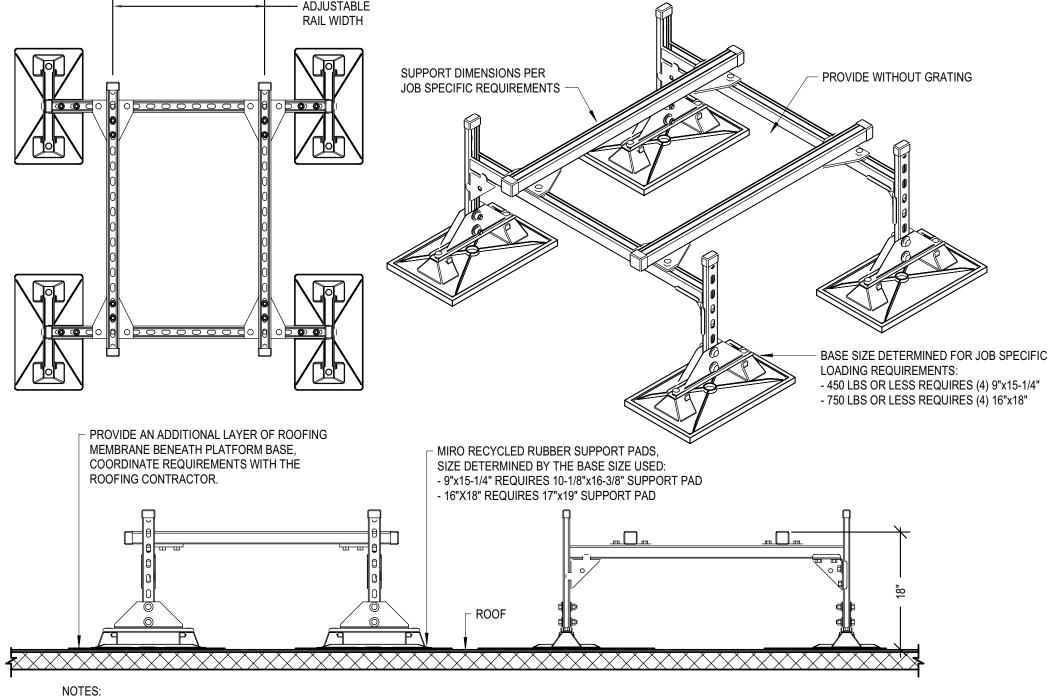
5

6

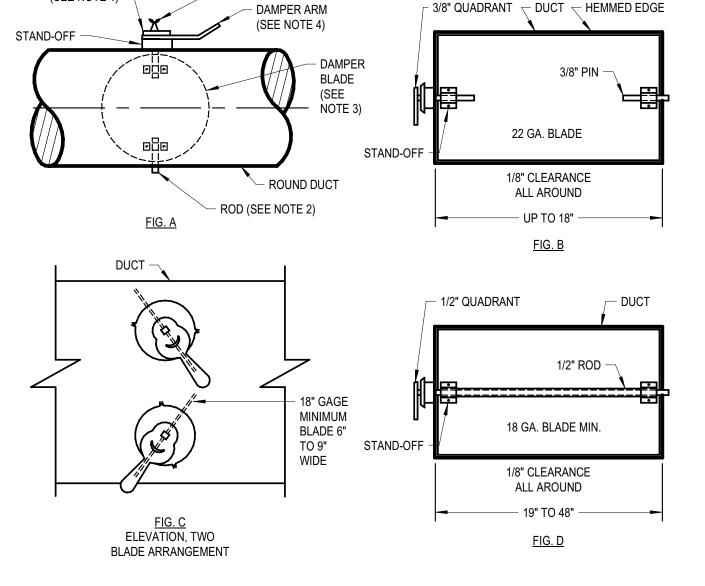
$5_{\text{NTS}}^{\text{ROOFTOP}}$ HEAT PUMP PLATFORM DETAIL

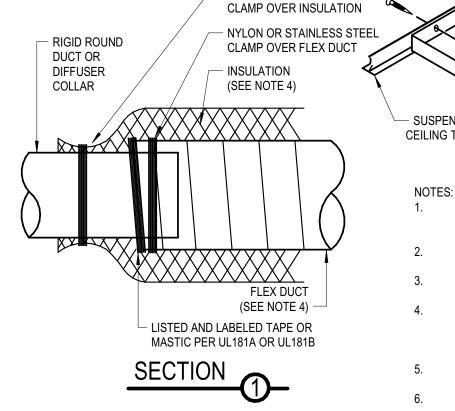
- APPROVED ALTERNATE MANUFACTURERS: UNISTRUT AND ROOF-PRO 3.
- BOLT EQUIPMENT TO MECHANICAL SUPPORT, A MINIMUM OF (4) LOCATIONS

NOTES: 1. PROVIDE WITH MIRO INDUSTRIES MODEL HD, HEAVY DUTY MECHANICAL GALVANIZED ROOF SUPPORT WITH ADJUSTABLE SUPPORT LEGS AND RAIL WIDTH



1 BALANCE DAMPER DETAIL





J

STAND OFF

SEE SECTION 1

- NYLON OR STAINLESS STEEL

LOCKING QUADRANT

HANDLE OR REMOTE

CEILING OPERATOR WHERE

DAMPER IS INACCESSIBLE

RECTANGULAR OR

(SEE PLAN FOR SIZE)

AIR FLOW

ROUND DUCT

- ALTERNATE MANUFACTURERS INCLUDE: AMERICAN WARMING, SAFE-AIR/DOWCO, J&J, LOUVERS & DAMPERS, RUSKIN, NAILOR, ARROW UNITED, POTTORFF, & CESCO.

WING NU

- PROVIDE STAND-OFF FOR DAMPER ARMS LOCATED W/EXTERNAL INSULATION.

- FOR DUCTS OVER 12" HIGH USE MULTIPLE BLADE DAMPERS (SEE FIG. C).

- PROVIDE REMOTE CEILING OPERATOR WHERE DAMPER IS INACCESSIBLE
- ROD CONTINUOUS ON 2" W.G. CLASS AND ON ALL DAMPERS OVER 12" DIAMETER BLADE 22 GAGE MIN., BUT NOT LESS THAN TWO GAGES MORE THAN THE DUCT GAGE.

NOTES:

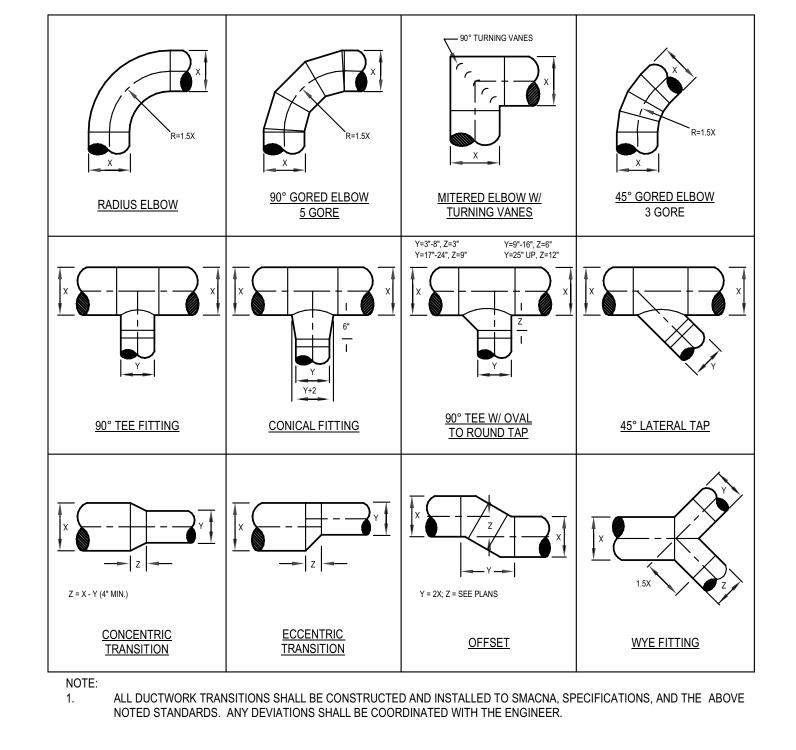
1

VOLUME DAMPER

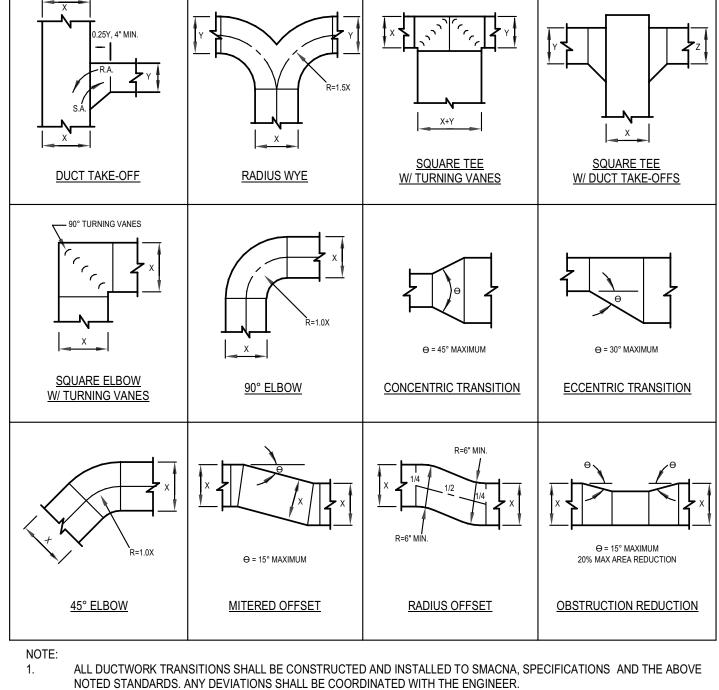
(SEE NOTE 1)

FOR TAKE-OFFS LARGER THAN 12" DIAMETER, USE A FACTORY MANUFACTURED DAMPER LOUVERS & DAMPERS, INC. MODEL CD-600 WITH A LOCKING HAND QUADRANT OR EQUAL.

6 ROUND DUCT FITTING DETAILS



7RECTANGULAR DUCT FITTING DETAILS



2 DUCT TAKEOFF DETAIL - HIGH EFFICIENT

REFERENCE HVAC PLANS FOR REQUIRED BALANCE DAMPER LOCATIONS.

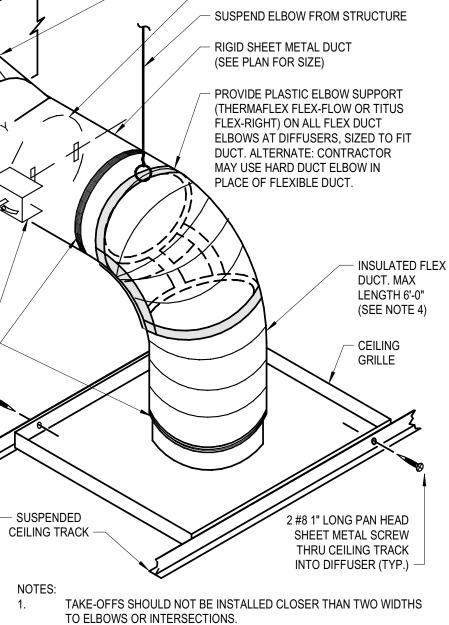
RUN-OUT SHALL BE SAME SIZE AS COLLAR.

FLEXIBLE DUCTWORK SHALL BE FLEXMASTER 8-M, THERMAFLEX M-KE OR AN APPROVED EQUAL. FLEXIBLE DUCTWORK SHALL BE INSULATED WITH A MINIMUM R VALUE OF 5.

X NOT LESS THAN Y.

SEE BALANCE DAMPER DETAIL

TO ELBOWS OR INTERSECTIONS.



HIGH EFFICIENCY DUCT

TAKE-OFF (SEE NOTES 1 & 3)

- BALANCE DAMPER (SEE NOTE 2)

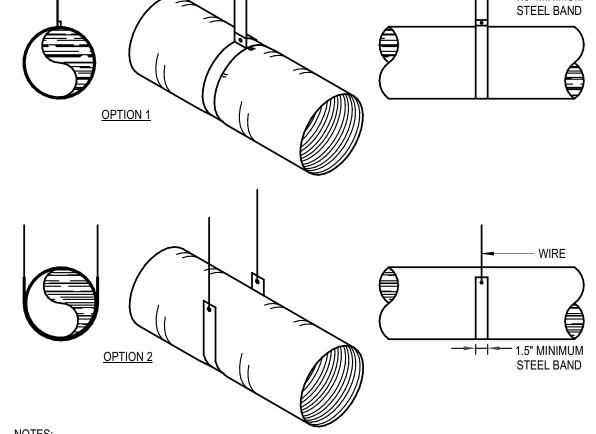
3FLEXIBLE DUCT SUPPORT DETAIL

- 13. DO NOT INSTALL FLEXIBLE DUCTWORK IN EXPOSED CEILING AREA.
- PIPES, ETC.) THAT IS ABOVE 250°F. 12. FLEXIBLE DUCTWORK SHALL NOT BE INSTALLED IN CONCRETE, BURIED BELOW GRADE, OR IN CONTACT WITH THE
- CONDUITS. 11. FLEXIBLE DUCTWORK SHALL NOT BE INSTALLED WITHIN 4 INCHES OF HOT EQUIPMENT (FURNACES, BOILERS, STEAM
- CORE IS PENETRATED, REPLACE FLEXIBLE DUCTWORK. AVOID BENDING DUCT ACROSS SHARP CORNERS OR INCIDENTAL CONTACT WITH METAL FIXTURES, PIPES, OR 10.
- TERMINAL DEVICES SHALL BE SUPPORTED INDEPENDENTLY OF THE FLEXIBLE DUCTWORK. 8. REPAIR TURN OR DAMAGED VAPOR BARRIER/JACKET WITH DUCT TAPE LISTED AND LABELED TO UL 181B. IF 9. INTERNAL
- SUNLIGHT CAN OCCUR. PROLONGED EXPOSURE TO SUNLIGHT MAY CAUSE DETERIORATION OF VAPOR BARRIER.
- FLEXIBLE DUCTWORK IS FOR INDOOR USE ONLY. DO NOT INSTALL OR STORE PRODUCT WHERE EXPOSURE TO DIRECT
- FLEXIBLE DUCTWORK SHALL BE INSULATED WITH A MINIMUM R-VALUE OF 6.0.
- FLEXIBLE DUCTWORK SHALL BE FLEXMASTER 1-M OR APPROVED EQUAL.
- ATTACH BANDS OR WIRES TO SUPPORT STRUCTURE ABOVE. 4.

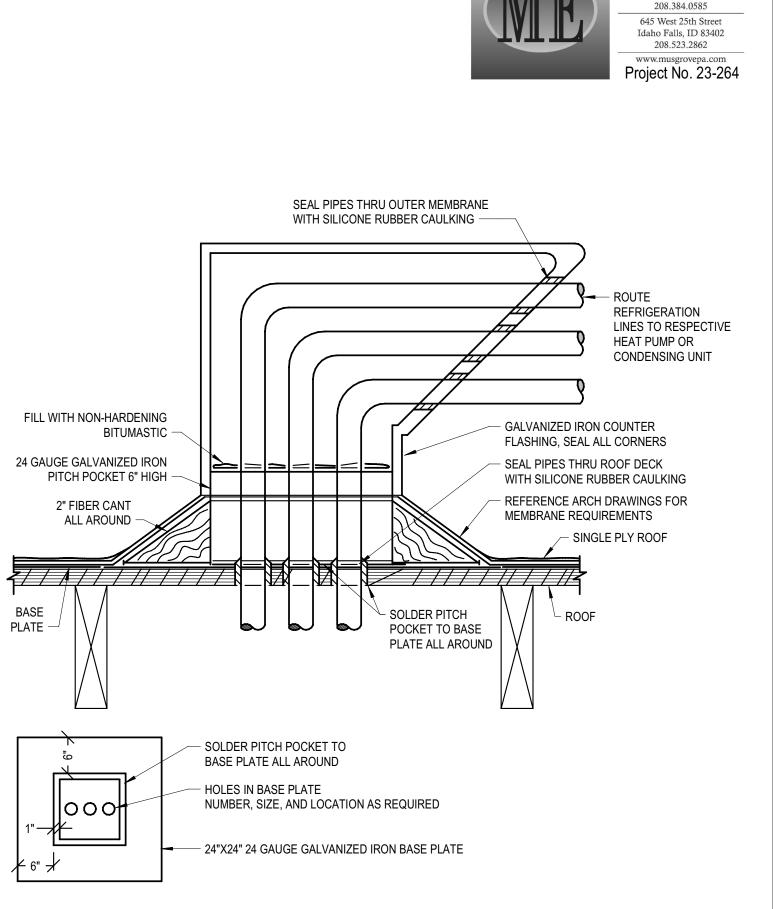
7.

GROUND

- MAXIMUM LENGTH BETWEEN SUPPORTS MUST NOT EXCEED 3'-0" ON CENTER 3.
- FLEXIBLE DUCT MUST NOT EXCEED 6'-0" FROM CONNECTION TO TERMINATION. 2.
- NOTES 1. SUPPORT SYSTEM SHALL NOT DAMAGE, CRIMP, OR INHIBIT DUCT FREE AREA IN ANY WAY.



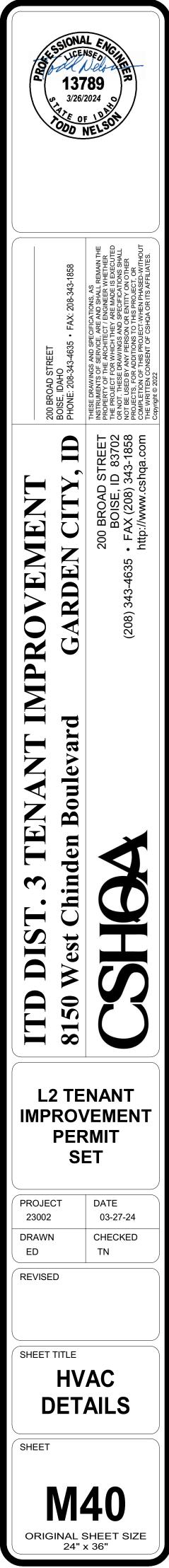
4 PIPING THROUGH ROOF DETAIL



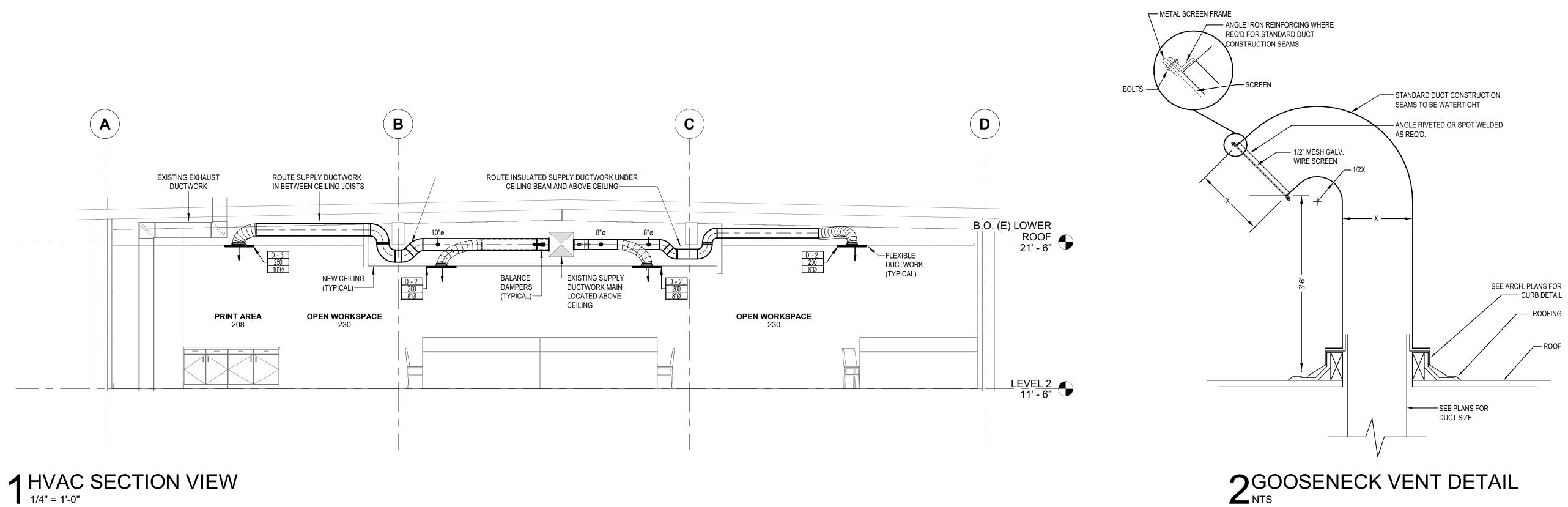
MUSGROVE

ENGINEERING, P.A.

234 S. Whisperwood Way Boise, ID 83709

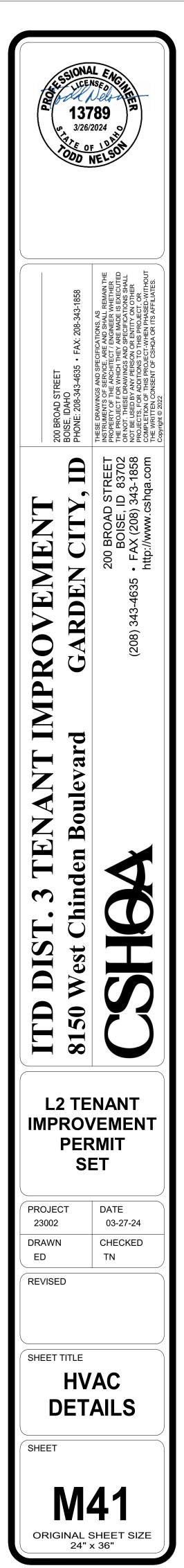








MUSGROVE ENGINEERING, P.A. 234 S. Whisperwood Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862 www.musgrovepa.com Project No. 23-264



uments are on the con	pproved State of Idaho State of Building Saf																						
e approved	Ved Jaho Jaho Jang Safet	EXISTING PACKAGED AIR CONDITIONING SCHEDULE																					
h the	SYMBOL	AREA SERVED	NOM.	SUPPLY FAN			COOLING CAPACITY 5°OSA, 80°EDB, 62°EWB ALTITUDE			RTU ELECTRICAL		ELECTRICAL POWER EXHAUST			AUST	OSA	EER	OPER. WEIGHT	MANUFACTURER AND MODEL	REMARKS			
			TONS	CFM	ESP	BRAKE HP	DRIVE	total MBH	SENS. MBH	input MBH	output MBH	MCA	MOCP	V/Ø	STATIC	MCA	MOCP	V/Ø	CFM		(LBS)		NEW ALCO
	<u>RTU-3(E)</u>	OPEN AREA	10	4,000	0.65"	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	470	EXIST	EXIST	EXISTING UNIT	1,2,3

REMARKS:

Division or PA# 8LD2404-00028 Date: 04/19/24 These Documents an contingention the con mark-ups and notes mark-ups and no

1. REBALANCE EXISTING UNIT TO NOTED SUPPLY AIRFLOW AND OUTSIDE AIRFLOW.

2. REPLACE ALL FILTERS AT END OF PROJECT.

3. CLEAN UNIT AS REQUIRED AT THE END OF PROJECT.

	DUCTLESS MULTI-SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE														
	OUTDOOR HEAT PUMP UNITS														
SYMBOL	AREA SERVED	NOMINAL		COOLING RE 80°F EDB,		HEATING REQUIRED AT 47°F OSA		ELECTRICAL	-		OPERATING WEIGHT (LBS)	MAN			
		TONS	UNIT TYPE	TOTAL MBH	SENSIBLE MBH	TOTAL MBH	MCA	MOCP	V/Ø	MINIMUM SEER					
<u>HP-1</u>	OFFICES	3	HEAT PUMP	36,000	36,000	37,000	30 45 208		208 / 1	20	225	LENNOX M			
<u>HP-2</u>	OFFICES	3	HEAT PUMP	36,000	36,000	37,000	30	45	208 / 1	20	225	LENNOX M			
<u>HP-3</u>	CONFERENCE ROOM	1.5	HEAT PUMP	18,000	18,000	20,000	17	25	208 / 1	20.5	95	LENNOX MO			

INDOOR FAN COIL UNITS

HEAT PUMP	FAN COIL	AREA SERVED	NOMINAL	UNIT TYPE	SUPPLY FAN	COOLING	HEATING (47°F OUTDOOR TEMP)		ELECTRICAL	-	OSA	SOUND	OPERATING WEIGHT
SYMBOL	SYMBOL		TONS		CFM H/L	MBH	MBH	MCA	MOCP	V/Ø	(CFM)	(dB)	(LBS)
<u>HP-1</u>	<u>FC-1.1</u>	OFFICE 5 205	0.75	CEILING	300	9,000	10,000	THROL	IGH OUTDOC	OR UNIT	25	37	10
	<u>FC-1.2</u>	OFFICE 2 204	0.75	CEILING	300	9,000	10,000	THROL	IGH OUTDOC	OR UNIT	25	37	10
	<u>FC-2.1</u>	OFFICE 3 203	0.75	CEILING	300	9,000	10,000	THROL	IGH OUTDOC	OR UNIT	25	37	10
<u>HP-2</u>	<u>FC-2.2</u>	OFFICE 2 202	0.75	CEILING	300	9,000	10,000	THROL	IGH OUTDOC	OR UNIT	25	37	10
	<u>FC-2.3</u>	OFFICE 1 201	0.75	CEILING	300	9,000	10,000	THROL	IGH OUTDOC	OR UNIT	25	37	10
<u>HP-3</u>	<u>FC-3</u>	CONFERENCE ROOM 207	1.5	DUCTED	450	17,800	20,000	THROL	IGH OUTDOC	OR UNIT	90	37	55

REMARKS:

1. APPROVED ALTERNATE MANUFACTURERS: DAIKIN, SAMSUNG, LG, CARRIER, OR APPROVED EQUAL.

2. PROVIDE MANUFATURER'S CRANKCASE HEATER, LOW AMBIENT CONTROLS (TO 0°F), WIND BAFFLES, REFRIGERATION LINE SET AND TEES, SIZED BY MANUFACTURER, AND TAMPER PROOF PORT CAPS.

3. CONTROL UNIT WITH MANUFACTURER'S HARD-WIRED WALL MOUNTED 7 DAY PROGRAMMABLE THERMOSTAT (LENNOX MODEL MOSTAT64Q-2) WITH 5 DEGREE DEADBAND.

4. PROVIDE WITH MIRO INDUSTRIES HEAVY DUTY MECHANICAL GALVANIZED ROOF SUPPORT WITH ADJUSTABLE SUPPORT LEGS. SUPPORT SHALL EXTEND A MINIMUM OF 2" BEYOND EQUIPMENT IN EACH DIRECTION. BOLT EQUIPMENT TO MECHANICAL SUPPORT. PROVIDE HEAT TAPE ON PLATFORM TO NEAREST DRAIN

5. PROVIDE WITH MANUFACTURER'S CONDENSATE PUMP, LITTLE GIANT MINI CONDENSATE PUMP. CONCEAL PUMP BEHIND UNIT WITHIN MOUNTING BRACKET ASSEMBLY.

6. ELECTRICAL TO PROVIDE DISCONNECT.

7. SEE CONTROL DRAWINGS FOR SEQUENCE OF OPERATION.

					EX	HAU	ST F	AN S	SCHE	EDULE		
SYMBOL	AREA SERVED	UNIT TYPE		BLO	WER		ELECT	RICAL	MAXIMUM	OPERATING WEIGHT	MANUFACTURER AND MODEL	REMARKS
STMBOL	AREA SERVED	UNITITY	CFM	ESP	MAXIMUM RPM	DRIVE	HP/W	V/Ø	SONES	(LBS)	MANUFACTURER AND MODEL	REMARKS
<u>EF-1</u>	RESTROOM	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1,2,3
<u>EF-2</u>	RESTROOM	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1,2,3
<u>EF-3</u>	RESTROOM	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1,2,3
<u>EF-4</u>	RESTROOM	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1,2,3
<u>EF-5</u>	JANITORS ROOM	CEILING CABINET	75	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1,2,3
<u>EF-6</u>	BREAK ROOM	CEILING CABINET	150	.375	1160	DIRECT	57.7 W	115/1	3.5	15	COOK MODEL GC-186	1,2,3

REMARKS:

1. APPROVED ALTERNATE MANUFACTURERS: ACME, GREENHECK, PENNBARRY, TWIN CITY FAN COMPANY AND SOLER & PALAU.

2. PROVIDE UNIT WITH MANUFACTURER'S ALUMINUM ROOF CAP (FLAT ROOF) EQUAL TO COOK MODEL PR (W/ INTEGRAL BIRD SCREEN AND ROOF CURB), BACKDRAFT DAMPER, OUTLET FLEX DUCT CONNECTION, STANDARD PLUG DISCONNECT, PRE-WIRED FAN SPEED CONTROLLER, THERMAL OVERLOAD PROTECTION, HANGING VIBRATION ISOLATORS, AND WHITE ALUMINUM GRILLE.

3. SEE CONTROL DRAWINGS FOR SEQUENCE OF OPERATION.

SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
D-1 CFM 6"Ø	6X6	6"Ø	0 - 90	1,2,3,4,5,6,7
D-2 CFM 8"Ø	9X9	8"Ø	90 - 200	1,2,3,4,5,6,7
D-3 CFM 10"Ø	12X12	10"Ø	200 - 350	1,2,3,4,5,6,7

REMARKS

1,2,4,6,7

1,2,4,6,7

1,2,4,6,7

REMARKS

1,3,5,6,7

1,3,5,6,7

1,3,5,6,7

1,3,5,6,7

1,3,5,6,7

1.3.5.6.7

MANUFACTURER AND MODEL

LENNOX MODEL MLB036

LENNOX MODEL MLB036

LENNOX MODEL MMDB018S4-2P

LENNOX MODEL M22A009

LENNOX MODEL MPC018S4S-1P

MANUFACTURER AND MODEL

	[DIFFUSE	R SCHED	ULE			RET	URN & E	XHAUS	ST GF	RILLE S	CHEDULE	MIT
SYMBOL	NOMINAL	. SIZE NECK / RL SIZE		IGE	REM	IARKS	SYMBOL	NOMINAL SIZE	NECK / RUNO SIZE	TUC	CFM RANGE	REMARKS	
D-1 CFM 6"Ø	6X6	6"Ø	0 - 90		1,2,3,	4,5,6,7	R-1 22X10	22X10	22X10		500-1100	1,2,3,4,5,6	
D-2 CFM 8"Ø	9X9	8"Ø	90 - 20	0	1,2,3,	4,5,6,7	REMARKS:	E MANUFACTURERS: A	NEMOSTAT, CARNE	S, PRICE, N	AILOR, METAL-AIRE,	TUTTLE & BAILEY,	
D-3 CFM 10"Ø	12X12	2 10"@	9 200 - 3	50	1,2,3,	4,5,6,7	2. SIZES BAS	J&J REGISTER, AND U ED ON TITUS MODEL 5 OVIDE SQUARE TO RO	0F, ALUMINUM EGG			2" x 1" SPACING (SINGLE	
LL DIFF	USERS LOCATED CTURER PROVID	ED 24"x24" PANELS. ALL	AS SHALL BE BORDER T DIFFUSERS LOCATED IN SEE ARCHITECTURAL P	HARD CEILI	NG AREAS SH	HALL BE	VISIBLE BE 5. WHENEVEI SHOWN IN	EHIND GRILLE SHALL BI	E PAINTED FLAT BL/ PANCY BETWEEN TH AYS USE THE LARGE	ACK. IE RUNOUT [DUCT SIZE SHOWN (HEET METAL DUCTWORK	
VHENEV HOWN I	/ER THERE IS A D	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI	OW REQUIREMENTS FOR I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT	E SHOWN ON SIZES.	THE PLANS								
WHENEV SHOWN I	/ER THERE IS A D IN THE SCHEDULI	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT.	I THE RUNOUT DUCT SIZ	E SHOWN ON SIZES.	THE PLANS		/ ENERG	Y RECOV			ΟΡΕΡΔΤΙΝΙΟ		
WHENEV SHOWN I COLOR T	/ER THERE IS A D IN THE SCHEDULI	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT.	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT	E SHOWN ON SIZES.	THE PLANS	LATOR	/ ENERG Y Y EFFICIENCY (%)	Y RECOV	SIBLE M	T AXIMUM SONES	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
/HENEV/ HOWN I OLOR T	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DELI	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT	E SHOWN ON SIZES.	THE PLANS	LATOR		APPARENT SENS EFFECTIVENESS	SIBLE M	AXIMUM SONES	WEIGHT (LBS)		
WHENEV SHOWN I COLOR T	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DELI	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM)	E SHOWN ON SIZES.	THE PLANS	LATOR TOTAL RECOVER	Y EFFICIENCY (%)	APPARENT SENS EFFECTIVENESS	SIBLE M	AXIMUM	WEIGHT	MANUFACTURER AND MODEL BLAUBERG MODEL: VENTO A50-1 PRO	REMARKS
VHENEV SHOWN I COLOR T	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED SPEED HIGH	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DELI SUPPLY (CFM) 30	THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM) 30	E SHOWN ON SIZES.	THE PLANS	ILATOR TOTAL RECOVER HEATING	Y EFFICIENCY (%)	APPARENT SENS EFFECTIVENESS HEATING C 82	SIBLE M S (%) COOLING	IAXIMUM SONES	WEIGHT (LBS) 10	BLAUBERG MODEL: VENTO A50-1 PRO	1,2,3
	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED SPEED HIGH	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DELI SUPPLY (CFM) 30 9	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM) 30 9	E SHOWN ON SIZES.	THE PLANS	ILATOR TOTAL RECOVER HEATING N/A	Y EFFICIENCY (%) COOLING 82	APPARENT SENS EFFECTIVENESS HEATING C 82	SIBLE M S (%) COOLING	AXIMUM SONES	WEIGHT (LBS)		
	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED SPEED HIGH LOW HIGH	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DELI SUPPLY (CFM) 30 9 30 30	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM) 30 9 30	E SHOWN ON SIZES.	THE PLANS	ILATOR TOTAL RECOVER HEATING N/A HEATING	Y EFFICIENCY (%) COOLING 82 COOLING	APPARENT SENS EFFECTIVENESS HEATING C 82 HEATING C 82	SIBLE M S (%) COOLING N/A COOLING	IAXIMUM SONES	WEIGHT (LBS) 10	BLAUBERG MODEL: VENTO A50-1 PRO	1,2,3
	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED SPEED HIGH LOW HIGH	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DEL SUPPLY (CFM) 30 9 30 9 30 9	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM) 30 9 30 9 30 9	E SHOWN ON SIZES. ELEC W 5.2 5.2	THE PLANS	ILATOR TOTAL RECOVER HEATING N/A HEATING N/A	Y EFFICIENCY (%) COOLING 82 COOLING 82	APPARENT SENS EFFECTIVENESS HEATING C 82 HEATING C 82	SIBLE M S (%) COOLING N/A COOLING N/A	1.2	WEIGHT (LBS) 10 10	BLAUBERG MODEL: VENTO A50-1 PRO BLAUBERG MODEL: VENTO A50-1 PRO	1,2,3
	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED SPEED HIGH LOW HIGH	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DELL SUPPLY (CFM) 30 9 30 9 30 9 30	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM) 30 9 30 9 30 9 30 9 30	E SHOWN ON SIZES. ELEC W 5.2 5.2	THE PLANS	LATOR TOTAL RECOVER HEATING N/A HEATING N/A HEATING	Y EFFICIENCY (%) COOLING 82 COOLING 82 COOLING	APPARENT SENS EFFECTIVENESS HEATING C 82 HEATING C 82 HEATING C 82 APPARENT SENS C	SIBLE M S (%) COOLING N/A COOLING N/A COOLING	1.2	WEIGHT (LBS) 10 10	BLAUBERG MODEL: VENTO A50-1 PRO BLAUBERG MODEL: VENTO A50-1 PRO	1,2,3
	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED SPEED HIGH LOW HIGH LOW HIGH	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DEL SUPPLY (CFM) 30 9 30 9 30 9 30 9 30 9 30	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM) 30 9 30 9 30 9 30 9 30 9 30 9	E SHOWN ON SIZES. ELEC W 5.2 5.2 5.2	THE PLANS	ILATOR TOTAL RECOVER HEATING N/A HEATING N/A HEATING N/A	Y EFFICIENCY (%) COOLING 82 COOLING 82 COOLING 82	APPARENT SENS EFFECTIVENESS HEATING C 82 HEATING C 82 HEATING C 82 APPARENT SENS C 82 APPARENT SENS C 83 APPARENT SENS C 84 APPARENT SENS C 84 APP	SIBLE M S (%) M COOLING COOLING N/A COOLING N/A COOLING N/A	AXIMUM SONES 1.2 1.2 1.2	WEIGHT (LBS) 10 10 10	BLAUBERG MODEL: VENTO A50-1 PRO BLAUBERG MODEL: VENTO A50-1 PRO BLAUBERG MODEL: VENTO A50-1 PRO	1,2,3 1,2,3 1,2,3
WHENEV SHOWN I	/ER THERE IS A D IN THE SCHEDULI TO BE SELECTED HIGH LOW HIGH LOW HIGH LOW	DISCREPANCY BETWEEN E, ALWAYS USE THE LAI BY ARCHITECT. GROSS AIR DEL SUPPLY (CFM) 30 9 30 9 30 9 30 9 30 9 30	I THE RUNOUT DUCT SIZ RGER OF THE TWO DUCT VERY AT .01" WG EXHAUST (CFM) 30 9 30 9 30 9 30 9 30 9 30 9 30	E SHOWN ON SIZES. ELEC W 5.2 5.2 5.2	THE PLANS	LATOR TOTAL RECOVER HEATING N/A HEATING N/A HEATING N/A HEATING	Y EFFICIENCY (%) COOLING 82 COOLING 82 COOLING 82 COOLING 82 COOLING	APPARENT SENS EFFECTIVENESS HEATING C 82 HEATING C 82 HEATING C 82 HEATING C 82 AEATING C	SIBLE M COOLING N/A COOLING N/A COOLING N/A COOLING N/A COOLING	AXIMUM SONES 1.2 1.2 1.2	WEIGHT (LBS) 10 10 10	BLAUBERG MODEL: VENTO A50-1 PRO BLAUBERG MODEL: VENTO A50-1 PRO BLAUBERG MODEL: VENTO A50-1 PRO	1,2,3 1,2,3 1,2,3

1. PROVIDE WITH MANUFACTURERS KIT VENTO EXPERT A50-1S WITH HEAT REGENERATOR, FAN, MERV 6 FILTER, INDOOR UNIT CONTROLLER, SHUTTERS AND REMOTE CONTROL. PROVIDE SLEEVE FOR WALL THICKNESS, CONTRACTOR TO VERIFY LENGTH REQUIRED. UNIT SHALL BE HARD WIRED, SEE ELECTRICAL FOR REQUIREMENTS.

2. UNIT TO RUN CONTINUOUSLY.

3. UNIT TO BE SET ON HIGH.

		DL	JCTLES	SS S	PLI	THI	GH WA	ALL CC	OLING &	HE	ΑΤΙ	NG	UNIT	SCH	IEDULE	
SYMBOL	AREA SERVED	NOMINAL	UNIT TYPE		SUPPLY F	AN	COOLING REC OSA, 80°F EI	QUIRED AT 95°F DB, 62°F EWB	HEATING REQUIRED AT 32°F OSA, 69°F EDB.		LECTRICA TDOOR U		MINIMUM SEER /	INDOOR/ OUTDOOR OPERATING	MANUFACTURER AND MODEL	REMARKS
OTWIDOL		TONS		CFM	WATTS	V/Ø	TOTAL MBH	SENSIBLE MBH	TOTAL MBH	MCA	MOCP	V/Ø	HSPF	WEIGHT (LBS)	MANUTACTORER AND MODEL	NEMANIKO
<u>FC-4</u> , <u>HP-4</u>	EXISTING IT / ELEC CLOSET 210	1.0	HIGH WALL COOL/HEAT UNIT	176-335	20.0	THROUGH OUTDOOR UNIT	12.0	9.0	12.0	13.0	15.0	208 / 1	23.2 / 13.2	25/65	LENNOX INDOOR UNIT MODEL MWMC012 LENNOX OUTDOOR UNIT MODEL MPC012	1,2,3,4,5,6

REMARKS:

1. APPROVED ALTERNATE MANUFACTURERS: CARRIER, SAMSUNG, LG, DAIKIN, OR APPROVED EQUAL BY ENGINEER.

2. CONTROL UNIT WITH MANUFACTURER'S HARD-WIRED WALL MOUNTED 7 DAY PROGRAMMABLE THERMOSTAT WITH AUTO CHANGE OVER.

3. PROVIDE MANUFACTURERS CRANKCASE HEATER, LOW AMBIENT CONTROLS & (TO -0°F COOLING & TO -0°F HEATING) WIND BAFFLES, REFRIGERATION LINE SET SIZED BY MANUFACTURER, AND TAMPER PROOF PORT CAPS.

4. PROVIDE WITH MIRO INDUSTRIES HEAVY DUTY MECHANICAL GALVANIZED ROOF SUPPORT WITH ADJUSTABLE SUPPORT LEGS. SUPPORT SHALL EXTEND A MINIMUM OF 6" BEYOND EQUIPMENT IN EACH DIRECTION. BOLT EQUIPMENT TO MECHANICAL SUPPORT.

5. PROVIDE WITH MANUFACTURER'S CONDENSATE PUMP, OR LITTLE GIANT MINI CONDENSATE PUMP, CONCEAL PUMP BEHIND UNIT WITHIN MOUNTING BRACKET ASSEMBLY. ELECTRICAL CIRCUIT FOR PUMP SHALL BE INTEGRATED TO FAN COIL.

6. ELECTRICAL TO PROVIDE DISCONNECT AND HEAT TRACE BENEATH UNIT AND TO ROOF DRAIN.

			E	ELEC	TRIC	CHE	ATE	R SC	HEC	ULE	
SYMBOL	AREA SERVED	UNIT TYPE		FAN			ELECT	RICAL		MANUFACTURER AND MODEL	REMARKS
STMBOL	AKEA SERVED	UNIT TYPE	CFM	RPM	HP	KW	STEPS	V/Ø	AMPS		REMARKS
<u>EH-1</u>	ENTRY	SEMI-RECESSED	245	1400	1/8	2	1	208 / 1	9.6	MARKEL MODEL 3420 SERIES	1 , 2 , 3
<u>EH-2</u>	ENTRY	SEMI-RECESSED	245	1400	1/8	2	1	208 / 1	9.6	MARKEL MODEL 3420 SERIES	1 , 2 , 3

REMARKS:

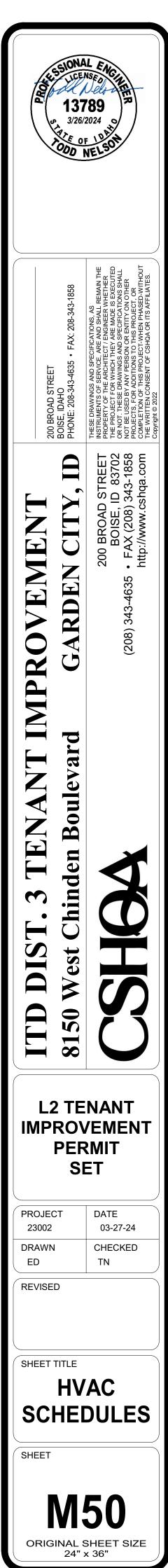
1. APPROVED ALTERNATE MANUFACTURERS: BRASCH, QMARK, INDEECO, OUELLET, AND CHROMALOX.

2. MOUNT BOTTOM OF HEATER 12" ABOVE FINISH FLOOR.

3. PROVIDE UNIT WITH AN INTEGRAL THERMOSTAT. THERMOSTAT SHALL BE COVERED WITH A TAMPER-PROOF ACCESS COVER.

SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
R-1 22X10	22X10	22X10	500-1100	1 , 2 , 3 , 4 , 5 , 6







<u>GENERAL</u> :	WHEN THE
THE DUCTLESS MULTIPORT SPLIT HEAT PUMP SYSTEM SHALL CONSIST OF AN OUTDOOR HEAT PUMP UNIT WITH A VARIABLE	
SPEED COMPRESSOR, MULTIPLE INDOOR FAN COIL UNITS, AND MULTIPLE MANUFACTURER PROVIDED UNIT CONTROLLERS.	1. SEN

ALL PARAMETERS SHALL BE ADJUSTABLE FROM THE MANUFACTURER UNIT CONTROLLER. EACH SYSTEM SHALL BE STANDALONE AND NOT TIED INTO A BUILDING ENERGY MANAGEMENT SYSTEM.

HEAT PUMP (<u>HP-1</u>) IS CONNECTED TO THE INDOOR FAN COIL UNITS (<u>FC-1.1 & FC-1.2</u>). HEAT PUMP (<u>HP-2</u>) IS CONNECTED TO THE INDOOR FAN COIL UNITS (<u>FC-2.1, FC-2.2, & FC-2.3</u>).

OPERATION:

THE OCCUPANTS SHALL BE ALLOWED CONTROL OF THEIR INDIVIDUAL FAN COILS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- ON/OFF STATUS
 MODE OF OPERATION.
- SET POINT TEMPERATURE.
 FAN SPEED.

OCCUPIED MODE

THE DUCTLESS SPLIT SYSTEM OCCUPIED SPACE TEMPERATURE COOLING SET POINT SHALL BE SET AT 75°F (ADJUSTABLE). THE DUCTLESS SPLIT SYSTEM OCCUPIED SPACE TEMPERATURE HEATING SET POINT SHALL BE SET AT 70°F (ADJUSTABLE).

<u>UNOCCUPIED MODE</u> : THE DUCTLESS SPLIT SYSTEM INDOOR FAN COIL SHALL OPERATE BASED ON ITS OWN INTERNAL CONTROLS TO MAINTAIN THE UNOCCUPIED SPACE TEMPERATURE SET POINTS.

THE DUCTLESS SPLIT SYSTEM UNOCCUPIED SPACE TEMPERATURE COOLING SET POINT SHALL BE SET AT 85°F (ADJUSTABLE). THE DUCTLESS SPLIT SYSTEM UNOCCUPIED SPACE TEMPERATURE HEATING SET POINT SHALL BE SET AT 55°F (ADJUSTABLE).

SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) : THE SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) SHALL BE ENABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

- THE SPACE TEMPERATURE INCREASES 1°F (ADJUSTABLE) ABOVE THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.
- WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:
- 1. SEND AN ENABLE COMMAND TO THE COMPRESSORIZED COOLING SYSTEM.
- a. THE COMPRESSORIZED COOLING SYSTEM SHALL MODULATE TO MAINTAIN THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.

THE SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) SHALL BE DISABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

1. THE SPACE TEMPERATURE DECREASES 1°F (ADJUSTABLE) BELOW THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.

WHEN THE ABOVE CONDITION IS MET, THE WIRED CONTROLLER SHALL SEQUENCE THE FOLLOWING:

1. SEND A DISABLE COMMAND TO THE COMPRESSORIZED COOLING SYSTEM.

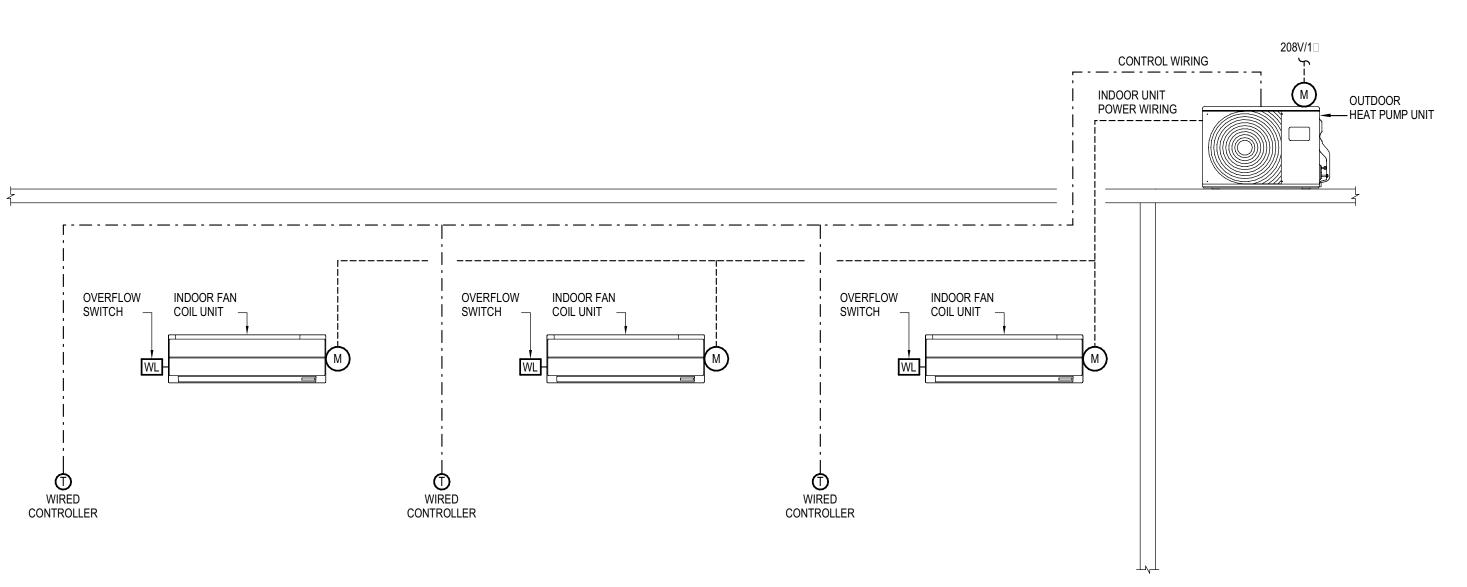
SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) : THE SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) SHALL BE ENABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

 THE SPACE TEMPERATURE DECREASES 1°F (ADJUSTABLE) BELOW THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.

ND AN ENABLE COMMAND TO THE COMPRESSORIZED HEATING SYSTEM. a. THE COMPRESSORIZED HEATING SYSTEM SHALL MODULATE TO MAINTAIN THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE HEATING SET POINT. THE SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) SHALL BE DISABLED WHENEVER THE FOLLOWING CONDITION EXISTS: 1. THE SPACE TEMPERATURE INCREASES 1°F (ADJUSTABLE) ABOVE THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE HEATING SET POINT. WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING: 1. SEND A DISABLE COMMAND TO THE COMPRESSORIZED HEATING SYSTEM. WIRED CONTROLLER CAPABILITIES 1. INDOOR UNIT CONTROLS: a. ON/OFF STATUS b. MODE OF OPERATION (AUTO, COOL/DRY, HEAT, FAN) c. SET POINT TEMPERATURE AIRFLOW DIRECTION e. FAN SPEED FILTER REPLACEMENT ALARM AND RESET QUIET AND SLEEP MODES THERMOSTAT STATE (ON/OFF) LIMIT THE SET POINT TEMPERATURE RANGE (LOW LIMIT, HIGH LIMIT) "SIMPLIFIED LOCKING" - LOCKS THE OCCUPANTS ABILITY TO CHANGE ANY SETTINGS ON THE THERMOSTAT EXCEPT FOR THE ON/OFF CONTROL 2. ENERGY SAVING OPERATION: a. UPPER / LOWER TEMPERATURE RESTRICTION SETTINGS OCCUPIED / UNOCCUPIED SETTINGS SETBACK FUNCTION d. ENERGY SAVING OPERATION MODE e. ENERGY CONSUMPTION MONITORING 3. WEEKLY OPERATING SCHEDULE SETTING: a. WEEKLY OPERATING SCHEDULE b. SET DESIRED A/C OPERATION MODE, SETTING TEMPERATURE AND FAN SPEED TO OPERATED BASED ON WEEKLY SCHEDULES c. APPLY SCHEDULE EXCEPTION DAY 4. OTHER FEATURES: PERMISSION LEVELS а. PARTIAL BUTTON LOCK OPTIONS DAYLIGHT SAVINGS d. REAL-TIME CLOCK FUNCTION e. INDEPENDENT LOUVER CONTROL AIRFLOW DIRECTION CONTROL WIND-FREE CONTROL g.

<u>SAFETIES</u> IF THE OVERFLOW SENSOR DETECTS WATER IT SHALL SHUTDOWN THE UNIT.

MULTIPORT DUCTLESS SPLIT SYSTEM SEQUENCE OF OPERATION



MULTIPORT DUCTLESS SPLIT SYSTEM CONTROL SCHEMATIC

(FC-1.1/FC-1.2/HP-1 & FC-2.1/FC-2.2/FC-2.3/HP-2)

ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:

<u>GENERAL</u> : THE DUCTED SPLIT HEAT PUMP SYSTEM SHALL CONSIST OF AN OUTDOOR HEAT PUMP UNIT WITH A VARIABLE SPEED COMPRESSOR, AN INDOOR DUCTED FAN COIL UNIT, AND A MANUFACTURER PROVIDED UNIT CONTROLLER.

ALL PARAMETERS SHALL BE ADJUSTABLE FROM THE MANUFACTURER UNIT CONTROLLER. THIS SYSTEM SHALL BE STANDALONE AND NOT TIED INTO A BUILDING ENERGY MANAGEMENT SYSTEM.

OPERATION: THE OCCUPANTS

THE OCCUPANTS SHALL BE ALLOWED CONTROL OF THEIR INDIVIDUAL FAN COIL INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1. ON/OFF STATUS
 2. MODE OF OPERATION.
- 3. SET POINT TEMPERATURE.
- 4. FAN SPEED.

OCCUPIED MODE : THE DUCTED SPLIT SYSTEM OCCUPIED SPACE TEMPERATURE COOLING SET POINT SHALL BE SET AT 75°F (ADJUSTABLE). THE DUCTED SPLIT SYSTEM OCCUPIED SPACE TEMPERATURE HEATING SET POINT SHALL BE SET AT 70°F (ADJUSTABLE).

<u>UNOCCUPIED MODE</u> : THE DUCTED SPLIT SYSTEM INDOOR FAN COIL SHALL OPERATE BASED ON ITS OWN INTERNAL CONTROLS TO MAINTAIN THE UNOCCUPIED SPACE TEMPERATURE SET POINTS.

THE DUCTED SPLIT SYSTEM UNOCCUPIED SPACE TEMPERATURE COOLING SET POINT SHALL BE SET AT 85°F (ADJUSTABLE). THE DUCTED SPLIT SYSTEM UNOCCUPIED SPACE TEMPERATURE HEATING SET POINT SHALL BE SET AT 55°F (ADJUSTABLE).

<u>SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING)</u>: THE SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) SHALL BE ENABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

1. THE SPACE TEMPERATURE INCREASES 1°F (ADJUSTABLE) ABOVE THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.

WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:

 SEND AN ENABLE COMMAND TO THE COMPRESSORIZED COOLING SYSTEM.
 a. THE COMPRESSORIZED COOLING SYSTEM SHALL MODULATE TO MAINTAIN THE DUCTED SPLIT SYSTEM SPACE TEMPERATURE COOLING SET POINT.

THE SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) SHALL BE DISABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

1. THE SPACE TEMPERATURE DECREASES 1°F (ADJUSTABLE) BELOW THE DUCTED SPLIT SYSTEM SPACE TEMPERATURE COOLING SET POINT.

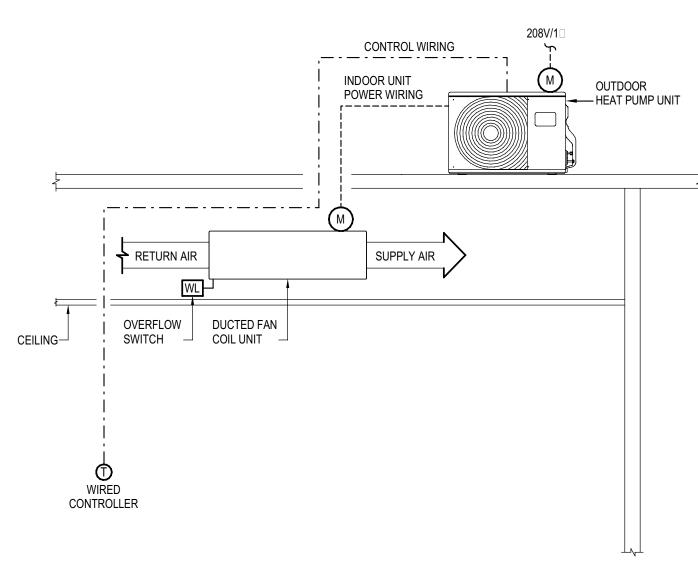
WHEN THE ABOVE CONDITION IS MET, THE WIRED CONTROLLER SHALL SEQUENCE THE FOLLOWING:

1. SEND A DISABLE COMMAND TO THE COMPRESSORIZED COOLING SYSTEM.

SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) : THE SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) SHALL BE ENABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

1. THE SPACE TEMPERATURE DECREASES 1°F (ADJUSTABLE) BELOW THE DUCTED SPLIT SYSTEM SPACE TEMPERATURE COOLING SET POINT.

DUCTED SPLIT SYSTEM SYSTEM SEQUENCE OF OPERATION



DUCTED SPLIT SYSTEM CONTROL SCHEMATIC

<u>C</u>



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. 23-264**

WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:

- 1. SEND AN ENABLE COMMAND TO THE COMPRESSORIZED HEATING SYSTEM.
- a. THE COMPRESSORIZED HEATING SYSTEM SHALL MODULATE TO MAINTAIN THE DUCTED SPLIT SYSTEM SPACE TEMPERATURE HEATING SET POINT.
- THE SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) SHALL BE DISABLED WHENEVER THE FOLLOWING CONDITION EXISTS:
- THE SPACE TEMPERATURE INCREASES 1°F (ADJUSTABLE) ABOVE THE DUCTED SPLIT SYSTEM SPACE TEMPERATURE HEATING SET POINT.
- WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:
- 1. SEND A DISABLE COMMAND TO THE COMPRESSORIZED HEATING SYSTEM.
- WIRED CONTROLLER CAPABILITIES :

1. INDOOR UNIT CONTROLS:

- a. ON/OFF STATUSb. MODE OF OPERATION (AUTO, COOL/DRY, HEAT, FAN)
- c. SET POINT TEMPERATURE
- I. AIRFLOW DIRECTION P. FAN SPEED
- f. FILTER REPLACEMENT ALARM AND RESET
- g. QUIET AND SLEEP MODES h. THERMOSTAT STATE (ON/OFF)
- i. LIMIT THE SET POINT TEMPERATURE RANGE (LOW LIMIT, HIGH LIMIT)
- "SIMPLIFIED LOCKING" LOCKS THE OCCUPANTS ABILITY TO CHANGE ANY SETTINGS ON THE THERMOSTAT EXCEPT FOR THE ON/OFF CONTROL
- 2. ENERGY SAVING OPERATION:
- a. UPPER / LOWER TEMPERATURE RESTRICTION SETTINGS
- b. OCCUPIED / UNOCCUPIED SETTINGSc. SETBACK FUNCTION
- d. ENERGY SAVING OPERATION MODE
- e. ENERGY CONSUMPTION MONITORING
- 3. WEEKLY OPERATING SCHEDULE SETTING:
- a. WEEKLY OPERATING SCHEDULE
 b. SET DESIRED A/C OPERATION MODE, SETTING TEMPERATURE AND FAN SPEED TO OPERATED BASED ON WEEKLY SCHEDULES
 c. APPLY SCHEDULE EXCEPTION DAY
- 4. OTHER FEATURES:
- a. PERMISSION LEVELS
- b. PARTIAL BUTTON LOCK OPTIONSc. DAYLIGHT SAVINGS
- d. REAL-TIME CLOCK FUNCTION
- e. INDEPENDENT LOUVER CONTROL
- f. AIRFLOW DIRECTION CONTROL g. WIND-FREE CONTROL

<u>SAFETIES</u>

IF THE OVERFLOW SENSOR DETECTS WATER IT SHALL SHUTDOWN THE UNIT.

PROJEC 23002 DRAWN ED	E ITD DIST. 3 TENANT	IMPROVEMENT	200 BROAD STREET
	RO\ PEF	GARDEN CITY, ID	BOISE, IDAHO PHONE: 208-343-4635
DATE 03-27-24 CHECKED TN		200 BROAD STREET BOISE, ID 83702 (208) 343-4635 • FAX (208) 343-1858 http://www.cshqa.com	THESE DRAWINGS AND SPE INSTRUMENTS OF SERVICE, PROPERTY OF THE ARCHITE PROJECT FOR WHICH OR NOT. THESE DRAWINGS NOT BE USED BY ANY PERS PROJECTS, FOR ADDITIONS COMPLETION OF THIS PROJ

13789

3/26/2024

A RI S RI S

SHARK C

REVISED

SHEET TITLE HVAC

CONTROLS

M60

ORIGINAL SHEET SIZE 24" x 36"

SHEET

GENERAL .

THE DUCTLESS SPLIT HEAT PUMP SYSTEM SHALL CONSIST OF AN OUTDOOR HEAT PUMP UNIT WITH A VARIABLE SPEED COMPRESSOR, AN INDOOR FAN COIL UNIT, AND A MANUFACTURER PROVIDED UNIT CONTROLLER.

ALL PARAMETERS SHALL BE ADJUSTABLE FROM THE MANUFACTURER UNIT CONTROLLER. THIS SYSTEM SHALL BE STANDALONE AND NOT TIED INTO A BUILDING ENERGY MANAGEMENT SYSTEM.

THIS SYSTEM SHALL BE OCCUPIED CONTINUOUSLY.

OPERATION

THE OCCUPANTS SHALL BE ALLOWED CONTROL OF THE INDIVIDUAL FAN COIL INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- 1. ON/OFF STATUS
- 2. MODE OF OPERATION. 3. SET POINT TEMPERATURE.
- 4. FAN SPEED.

OCCUPIED MODE :

THE DUCTLESS SPLIT SYSTEM OCCUPIED SPACE TEMPERATURE COOLING SET POINT SHALL BE SET AT 72°F (ADJUSTABLE). THE DUCTLESS SPLIT SYSTEM OCCUPIED SPACE TEMPERATURE HEATING SET POINT SHALL BE SET AT 55°F (ADJUSTABLE).

SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) THE SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) SHALL BE ENABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

- 1. THE SPACE TEMPERATURE INCREASES 1°F (ADJUSTABLE) ABOVE THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.
- WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:
- 1. SEND AN ENABLE COMMAND TO THE COMPRESSORIZED COOLING SYSTEM. a. THE COMPRESSORIZED COOLING SYSTEM SHALL MODULATE TO MAINTAIN THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.

THE SPACE TEMPERATURE COOLING MODE OF OPERATION (DX COOLING) SHALL BE DISABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

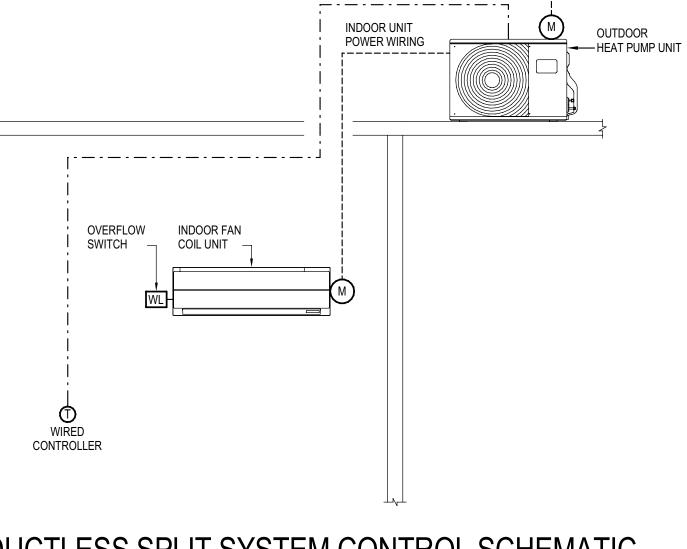
- 1. THE SPACE TEMPERATURE DECREASES 1°F (ADJUSTABLE) BELOW THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.
- WHEN THE ABOVE CONDITION IS MET, THE WIRED CONTROLLER SHALL SEQUENCE THE FOLLOWING:
- 1. SEND A DISABLE COMMAND TO THE COMPRESSORIZED COOLING SYSTEM.

SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING)

THE SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) SHALL BE ENABLED WHENEVER THE FOLLOWING CONDITION EXISTS:

1. THE SPACE TEMPERATURE DECREASES 1°F (ADJUSTABLE) BELOW THE DUCTLESS SPLIT SYSTEM'S SPACE TEMPERATURE COOLING SET POINT.





DUCTLESS SPLIT SYSTEM CONTROL SCHEMATIC (FC-4/HP-4)

IF THE OVERFLOW SENSOR DETECTS WATER IT SHALL SHUTDOWN THE UNIT

208V/1

DUCTLESS SPLIT SYSTEM SEQUENCE OF OPERATION

<u>SAFETIES</u>

WEEKLY SCHEDULES c. APPLY SCHEDULE EXCEPTION DAY 4. OTHER FEATURES: a. PERMISSION LEVELS PARTIAL BUTTON LOCK OPTIONS

a. UPPER / LOWER TEMPERATURE RESTRICTION SETTINGS

3. WEEKLY OPERATING SCHEDULE SETTING: a. WEEKLY OPERATING SCHEDULE b. SET DESIRED A/C OPERATION MODE, SETTING TEMPERATURE AND FAN SPEED TO OPERATED BASED ON

WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:

WHEN THE ABOVE CONDITION IS MET, THE UNIT CONTROLLER SHALL SEQUENCE THE FOLLOWING:

LIMIT THE SET POINT TEMPERATURE RANGE (LOW LIMIT, HIGH LIMIT)

a. THE COMPRESSORIZED HEATING SYSTEM SHALL MODULATE TO MAINTAIN THE DUCTLESS SPLIT SYSTEM'S

j. "SIMPLIFIED LOCKING" - LOCKS THE OCCUPANTS ABILITY TO CHANGE ANY SETTINGS ON THE THERMOSTAT

THE SPACE TEMPERATURE HEATING MODE OF OPERATION (DX HEATING) SHALL BE DISABLED WHENEVER THE FOLLOWING

1. THE SPACE TEMPERATURE INCREASES 1°F (ADJUSTABLE) ABOVE THE DUCTLESS SPLIT SYSTEM'S SPACE

1. SEND AN ENABLE COMMAND TO THE COMPRESSORIZED HEATING SYSTEM.

1. SEND A DISABLE COMMAND TO THE COMPRESSORIZED HEATING SYSTEM.

b. MODE OF OPERATION (AUTO, COOL/DRY, HEAT, FAN)

f. FILTER REPLACEMENT ALARM AND RESET

EXCEPT FOR THE ON/OFF CONTROL

b. OCCUPIED / UNOCCUPIED SETTINGS

d. ENERGY SAVING OPERATION MODE

e. ENERGY CONSUMPTION MONITORING

SPACE TEMPERATURE HEATING SET POINT.

TEMPERATURE HEATING SET POINT.

WIRED CONTROLLER CAPABILITIES

1. INDOOR UNIT CONTROLS:

e. FAN SPEED

2. ENERGY SAVING OPERATION:

c. SETBACK FUNCTION

DAYLIGHT SAVINGS

g. WIND-FREE CONTROL

CONTROL WIRING

d. REAL-TIME CLOCK FUNCTION

e. INDEPENDENT LOUVER CONTROL

AIRFLOW DIRECTION CONTROL

a. ON/OFF STATUS

c. SET POINT TEMPERATURE

g. QUIET AND SLEEP MODES

h. THERMOSTAT STATE (ON/OFF)

d. AIRFLOW DIRECTION

CONDITION EXISTS:

GENERAL EXHAUST FAN CONTROL SCHEMATIC

THE EXHAUST FAN SHALL BE CONTROLLED THROUGH A WALL SWITCH. WHEN THE SWITCH IS ENABLED THE EXHAUST FAN SHALL BE ENABLED AND RUN CONTINUOUSLY. WHEN THE SWITCH IS DISABLED THE EXHAUST

THE GENERAL EXHAUST FAN SYSTEM SHALL CONSIST OF A CEILING-MOUNTED EXHAUST FAN AND A WALL

ENERGY RECOVERY UNIT CONTROL SCHEMATIC

REMOTE CONTROLLER

(M) - ∫ 115V / 1PH

- EXTERIOR

WALL(E)

GENERAL EXHAUST FAN SEQUENCE OF OPERATION

115V / 1PH

EXHAUST AIR

<u>GENERAL</u>

A REMOTE UNIT CONTROLLER.

(ERU-1, ERU-2, ERU-3, ERU-4, & ERU-5)

EXTERIOR WALL MOUNTED ENERGY

RECOVERY UNIT

(ERU-1, ERU-2, ERU-3, ERU-4, & ERU-5)

GENERAL

SWITCH.

FAN SHALL BE DISABLED.

(EF-1, EF-2, EF-3, EF-4, EF-5, & EF-6)

ROOF---

CEILING MOUNTED

(EF-1, EF-2, EF-3, EF-4, EF-5, & EF-6)

WALL SWITCH

EXHAUST FAN

CEILING-

ENERGY RECOVERY UNIT SEQUENCE OF OPERATION

THE ENERGY RECOVERY SYSTEM SHALL BE CONTROLLED THROUGH A REMOTE UNIT CONTROLLER. WHEN THE REMOTE IS ENABLED THE ENERGY RECOVERY FAN SHALL BE ENABLED AND RUN CONTINUOUSLY. WHEN THE REMOTE IS DISABLED THE ENERGY RECOVERY FAN SHALL BE DISABLED.

THE ENERGY RECOVERY UNIT SYSTEM SHALL CONSIST OF AN EXTERIOR WALL-MOUNTED VENTILATOR WITH





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.cor Project No. 23-264

13789

3/26/2024

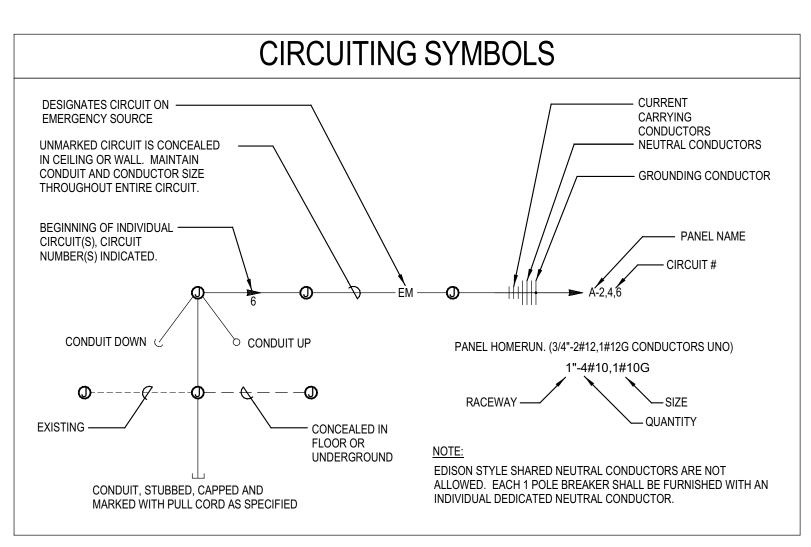
This is not a building permit
from, Idaho's adopted codes, standards, laws or rules applicable to this project.
an approval of any violation of, or variance
This approval shall not be construed to be
mark-ups and notes applied.
contingent on the compliance with the
These Documents are approved
Date: 04/19/24
PA#: BLD2404-00028
Division of Building Safety
State of Idaho
Approved

GEND - LIGHTING

DEVICES

REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE. DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED	
CONDUCTOR.	
WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.	
SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR.	
WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED	
 CONDUCTOR. MOUNT AT +8'-0" UNO. ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN. 	
1'X1' LIGHT FIXTURE.	
 1'X1' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. 	
1'X4' LIGHT FIXTURE.	
1'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.	
2'X4' LIGHT FIXTURE.	
2'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.	
2'X2' LIGHT FIXTURE.	
2'X2' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.	
DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.	
DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR	
STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.	
STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR	
WALL MOUNTED LIGHT FIXTURE.	
WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.	
RECESSED LIGHT FIXTURE	
RECESSED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.	
O ROUND LIGHT FIXTURE	
ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.	
WALL MOUNTED LIGHT FIXTURE.	
WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.	
←□ POLE LIGHT 1 HEAD WITH POLE	
TIME CLOCK	
PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.	
OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED.	
D LED DRIVER	
EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR.	
EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED CONDUCTOR.	
WALL MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.	
CEILING MOUNTED. SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.	
CEILING MOUNTED. DOUBLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.	
XXX INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.	
HZ EXTERIOR WALL PACK	
EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY	

SXX	SWITCH, TYPE AS INDICATED. +46"AFF
	2 DOUBLE POLE
	3 3-WAY 4 4-WAY
	K KEYED
	P PILOT LIGHT D DIMMER
	HP HORSEPOWER RATED
	TO THERMAL OVERLOAD LV LOW VOLTAGE
	OS OCCUPANCY SENSOR OR LOW VOLTAGE, MOMENTARY OVERRIDE
	VS VACANCY SENSOR
	a SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER
\$\$	DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
\$ ² _{OS}	DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND
	OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
Sos	OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING.
Φ	SINGLE CONVENIENCE OUTLET, +18" AFF UNO
Φ	FLOOR MOUNT SINGLE CONVENIENCE OUTLET
φ	DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
T	FLOOR MOUNT DUPLEX CONVENIENCE OUTLET
⊈	EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
<u>⊈</u>	SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
	FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET
₩	USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
⊕	USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO
⊕	FOURPLEX CONVENIENCE OUTLET. +18"AFF UNO
	FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET
٥	CONNECTION POINT TO EQUIPMENT SPECIFIED, ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO
	FLOOR MOUNTED CONNECTION POINT, SEE NOTE ABOVE FOR REQUIREMENTS
Ø	FLOOR MOUNTED JUNCTION BOX
Ø	JUNCTION BOX
Ho	WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
Ю нс	WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO
8	WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
	MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED
⊠ ·	COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED, NEMA 1 UNO
Ē	FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, NEMA 1 UNO
	NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO
(unit-#)	THERMOSTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15.
(unit-#)	HUMIDISTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS.
	POWER POLE - DUAL CHANNEL
REB	RECESSED ENTERTAINMENT BOX
T	TRANSFORMER
	PANELBOARD. SEE SCHEDULE FOR TYPE.
	EQUIPMENT CABINET, SURFACE MOUNTED
	EQUIPMENT CABINET FLUSH MOUNTED
	SURFACE MULTI-OUTLET RACEWAY
<i>###</i>	MECHANICAL EQUIPMENT CALL OUT
#	KITCHEN EQUIPMENT CALLOUT



FIRE ALARM - DESIGN BUILD NOTES

- A. THE FIRE ALARM SYSTEM WILL BE DESIGN BUILD BY THE CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL PRODUCE A FIRE ALARM SUBMITTAL THAT INCLUDES ALL DRAWINGS, CALCULATIONS AND CUT SHEETS REQUIRED TO OBTAIN COMPLETE APPROVAL FROM ALL APPROVING AGENCIES.
- B. THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM SUBMITTALS TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION AND AND SHALL NOT PROCEED UNTIL THESE SUBMITTALS HAVE BEEN REVIEWED, APPROVED AND RETURNED.
- REFER TO THE ARCHITECTURAL CODE PLAN(S) FOR THE OCCUPANCY TYPES AND C. OCCUPANCY LOADS FOR EACH AREA.
- D. UTILIZE CURRENTLY ADOPTED CODES AND AMENDMENTS FOR FIRE ALARM REQUIREMENTS.
- E. THE FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE ALARM INITIATING, MONITORING (SMOKE/FIRE/HEAT), INTERFACE AND RELATED DEVICES AND EQUIPMENT AS REQUIRED FOR A COMPLETE AND FUNCTIONING CODE COMPLIANT SYSTEM.
- THE FIRE ALARM SYSTEM SHALL PROVIDE ALL REQUIRED NOTIFICATION THROUGH OUT THE FACILITY. COORDINATE THE MOUNTING HEIGHTS OF THE NOTIFICATION DEVICES WITH THE CEILING AND STRUCTURE HEIGHTS IN THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR CEILING/STRUCTURE INFORMATION.
- G. THE FIRE ALARM CONTROL PANEL, AND NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLIES SHALL BE LOCATED IN ELECTRICAL ROOMS, STORAGE AND SIMILAR ROOMS ADJACENT TO ELECTRICAL PANELS.
- H. PROVIDE ALL 120V CIRCUITS AS REQUIRED TO ACCOMMODATE FIRE ALARM CONTROL PANEL, NAC EXTENDER PANELS, AMPLIFIER PANELS AND RELATED ITEMS.
- ALL FIRE ALARM CIRCUIT BREAKERS SHALL HAVE A RED HANDLE AND BE LOCKABLE TYPE.
- FIRE ALARM CABLING SHALL BE CONCEALED. AREAS IN WALLS, ABOVE HARD CEILINGS AND SIMILAR (NON-ACCESSIBLE AREAS) SHALL BE IN CONDUIT. EXPOSED CABLING IS NOT ALLOWED.
- K. PROVIDE ALL DETECTION, MONITOR AND CONTROL DEVICES AS REQUIRED FOR THE ELEVATOR(S).
- THE FIRE ALARM CONTRACTOR SHALL PRODUCE RECORD DOCUMENTS OF THE ACTUAL SYSTEM AS INSTALLED. THE RECORD DOCUMENTS SHALL BE PRODUCED TO THE ACCEPTANCE OF THE ARCHITECT AND ENGINEER. ONE COMPLETE SET OF PRINTED DOCUMENTS AND A PDF VERSION SHALL BE DELIVERED TO THE ARCHITECT.
- M. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.
- N. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FIRE ALARM

- F PULL STATION, +44" AFF WITH PRE-ALARM COVER
- É€¹⁵ FIRE ALARM STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED
- FLOW SWITCH, PROVIDE MONITOR MODULE AS REQUIRED FS
- TAMPER SWITCH, PROVIDE MONITOR MODULE AS REQUIRED TS
- PRESSURE SWITCH, PROVIDE MONITOR MODULE AS REQUIRED PS
- POST INDICATOR VALVE, PROVIDE MONITOR MODULE AS REQUIRED ΡIV
- FIRE ALARM CONTROL PANEL
- Ē, SMOKE DETECTOR, CEILING MOUNTED UNO
 - H HEAT IONIZATION
 - IN DUCT ID Р
 - PHOTOELECTRIC R RELAY
 - WG PROVIDE PROTECTIVE WIRE GUARD

COMMUNICATIONS

- JUNCTION BOX FOR FUTURE TELEPHONE/DATA OUTLET. MOUNT AT 18" V A.F.F. UNO. PROVIDE SINGLE-GANG MUD RING WITH BLANK COVER PLATE. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
- TELEPHONE/DATA OUTLET. MOUNT AT 18" A.F.F. UNO. PROVIDE 1" #D,#T CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF T DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
- FLOOR MOUNTED BOX FOR FUTURE TELEPHONE/DATA OUTLET. V 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 T 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.
- Ð CEILING MOUNTED SPEAKER WITH BACKBOX WALL MOUNTED SPEAKER, WITH BACKBOX +80" UNO
- ЮP TTB TELEPHONE TERMINAL BOARD

NOTE:

THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS. SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS DRAWING PACKAGE.

	ABBREVIATIONS
A	AMPERES
AC AFF	6" ABOVE BACKSPLASH ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AF AIC	AMP FRAME AMPS INTERRUPTING CAPACITY
AIC AT ATS	AMP'S INTERROPTING CAPACITY AMP TRIP AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BD BS	BOTTOM OF DECK BOTTOM OF STRUCTURE
C C	CEILING MOUNTED
CB CF	CIRCUIT BREAKER COMPACT FLUORESCENT
CKT	CIRCUIT
CO CT	Conduit only, provide pull-line Current transformer
CTL	CONTROL
DC (D) DEMO	DIRECT CURRENT DEMOLITION DEMOLITION
DEMO DET DTT	DETAIL DOUBLE TWIN TUBE
E	EMERGENCY
(E) EC	EXISTING ELECTRICAL CONTRACTOR
EL F	EMERGENCY LIGHT FUSE
F (F) FACP	FUSE FUTURE FIRE ALARM CONTROL PANEL
G/GND	GROUND
GFCI GFI	GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT INTERRUPTER
HH	
HID HOA HPS	HIGH INTENSITY DISCHARGE HAND-OFF-AUTO HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
IG IPCO	ISOLATED GROUND IDAHO POWER COMPANY
J-BOX	JUNCTION BOX
KA	KILOAMP
KVA KW KWH	KILO VOLT-AMP KILOWATT KILOWATT HOUR
MB	MAIN BREAKER
MBR MCC MDP	MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN DISTRIBUTION PANEL
MLO MMC	MAIN DISTRIBUTION PANEL MAIN LUGS ONLY MODULAR METERING CENTER
MH MSB	METAL HALIDE MAIN SWITCH BOARD
MTG N	NEUTRAL
(N) NC	NEW NORMALLY CLOSED
NEC NIC	NATIONAL ELECTRICAL CODE
NL NO	NIGHT LIGHT NORMALLY OPEN
NTS	NOT TO SCALE
OH OS	OVERHEAD OCCUPANCY SENSOR
P	POLES
PC PVC	PHOTO-CONTROL POLYVINYL CHLORIDE
PWR	POWER
RE: REC	REFERENCE RECEPTACLE
(R)	RELOCATED
SF	SQUARE FEET
TBD TDR	TO BE DETERMINED TIME DELAY RELAY
TK TR	TOE KICK TAMPER RESISTANT
TSP TRT	TWISTED SHIELDED PAIR TRIPLE TUBE
TTB (TYP.)	TELEPHONE TERMINAL BOARD TYPICAL
UC	
UG U.N.O.	UNDERGROUND UNLESS NOTED OTHERWISE
V	VOLT ANDERE
VA W	VOLT-AMPERE WATT
WG WP	WIRE GUARD WEATHER PROOF/NEMA 3R
PROVID PROVIDE	
INSTALL	ED/
11/21 41	
NOTE	
	E: THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

ELECTRICAL

	BY THE APPRO RACEV
C.	REFER SPECIF LEGEN ELEVA
D.	PROVID
E.	TERMIN
F.	MECHA LOCAT PRIOR

G. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES. H. THE ELECTRICAL DEMOLITION DRAWING(S) PROVIDED ARE INTENDED TO ASSIST THE ELECTRICAL CONTRACTOR IN ESTABLISHING AREAS REQUIRING

	ELE
SHEET	NUMBE
E00.2	
E01.2	
E10.2	
E22.2	
E31.2	
E32.2	
E33.2	
E41.2	

ELECTRICAL GENERAL NOTES

A. 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 ELECTRICAL CONTRACTOR.

B. 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 E ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE OVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED WAYS PAINTED TO MATCH SURROUNDING WALLS.

> R TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE IFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL ND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ATIONS OR ON AT THE DEVICES.

/IDE PULL-LINE IN ALL EMPTY CONDUITS.

INATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.

IANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE TION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR r to rough-in.

DISCONNECTION, REMOVAL, OR RELOCATION OF ELECTRICAL EQUIPMENT, OUTLETS, WIRING, DEVICES, FIXTURES, ETC. AND MAY NOT INDICATE ALL DEVICES OR THE FULL EXTENT OF DEMOLITION AND RECONNECTION WHICH MAY BE REQUIRED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY EXAMINE ALL REQUIRED DEMOLITION WORK AND INCLUDE ALL LABOR AND INCIDENTALS THAT WILL BE NECESSARY TO PERFORM DEMOLITION RECONNECTION AND TEMPORARY POWER CONNECTIONS IN THE BID.

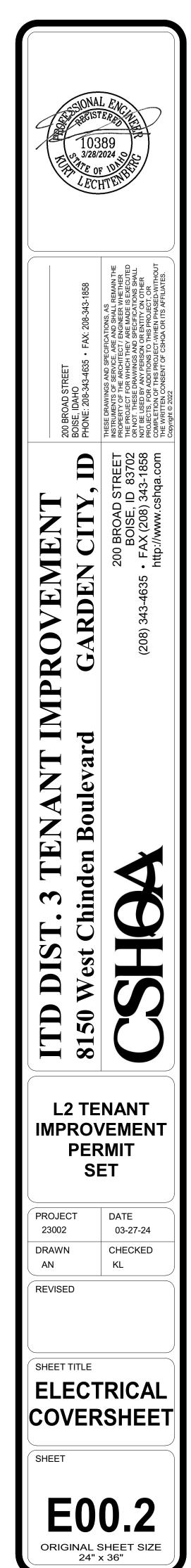
ALL ELECTRICAL DEVICES AND WALLS INDICATED ON THE ELECTRICAL DEMOLITION DRAWING(S) ARE TO REMAIN UNLESS OTHERWISE NOTED.

ECTRICAL SHEET INDEX - PHASE 2

BER	SHEET NAME
	ELECTRICAL COVERSHEET
	LIGHTING COMPLIANCE
	ELECTRICAL OVERALL PLAN
	ELECTRICAL DEMO FLOOR PLANS
	ELECTRICAL FIRE RISER FLOOR PLAN
	ELECTRICAL 2ND FLOOR PLANS
	ELECTRICAL 2ND FLOOR PLANS
	ELECTRICAL ROOF PLAN
	ELECTRICAL DETAILS AND SCHEDULES



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.con Project No. 23-264





COM*check* Software Version 4.1.5.5 Interior Lighting Compliance Certificate

Project Information Energy Code: Project Title: Project Type:

Construction Site:

2018 IECC ITD DIST. 3 BLD. IMPROVEMENT Alteration

> Owner/Agent: CHSQA 200 Broad St Boise, ID 83702 (208)343-4635

Designer/Contractor: Musgrove Engineering 234 S Whisperwood Way Boise, ID 83709 (208)384-0585 С D в

Allowed Interior Lighting Power

8150 West Chinden Boulevard

Garden City, ID 83714

Area Category Floor Area (ft2) 1-Office 5543 **Proposed Interior Lighting Power** Α Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast <u>Office (5543 sq.ft.)</u> LED 1: BL1: Other: LED 2: DI4: Other:

LED 3: DI4A: Other: LED 4: GL1: Other: LED 5: RR1: Other: LED 6: WB1: Other:

iterior Lighting PASSES

Interior Lighting Compliance Statement *Compliance Statement:* The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Chec

Angelo Meglia _____ 02/09/2024 Date Angelo Neglia - Electrical Designer Signature Name - Title

Project Title: ITD DIST. 3 BLD. IMPROVEMENT Data filename: P:\Files\2023\23264\CALCS\ELEC\23264 Electrical_Compliance - PHASE 2.cck

Allowed Watts Allowed (B X C) Watts / ft2 4379 0.79 Total Allowed Watts = 4379 B C D E Lamps/ # of Fixture (C X D) Fixture Fixtures Watt. 18 6 27 160 27 2 53 27 54 1442

4 10 42 4 18 70 Total Proposed Watts = 1915

Report date: 02/09/24 Page 1 of 6

IECC 2018 DAYLIGHT-RESPONSIVE CON	TROL	CALCULA	TION
IS DAYLIGHT-RESPONSIVE CONTROL REQUIRED ON THIS PRO	JECT?	=	NO D
	TCLP	<	LPA _{ADJ}
	1,915	<	3,575
IECC C405.3.1 (EQUATION 4-10)			
TOTAL CONNECTED INTERIOR LIGHTING POWER (W)			
TCLP = LVL+BLL+LED+TRK+OTHER		TCLP =	1,915
IECC C405.2.3 Exception 4 (EQUATION 4-9)			
ADJUSTED BUILDING INTERIOR LIGHTING POWER ALLOWANCE (W)			
LPAADJ =[LPA NORM * (1.0-(0.4*(UDZFA/TBFA)))]		LPA _{ADJ} =	3,575
REDUCED LIGHTING POWER ALLOWANCE (W)			
LPANORM = 90% of (LPD*SqFt*.90)		LPANORM =	3,941
INTERIOR LIGHTING POWER ALLOWANCE (IECC TABLE C405.3.2(1)) LPD		A =	0.79
BUILDING AREA		B =	5,543
REDUCED LIGHTING POWER (IECC C406.3)		R =	0.90
UDZFA = UNCONTROLLED DAYLIGHT ZONE FLOOR AREA			
THE SUM OF ALL SIDE LIT AND TOPLIT ZONES CALCULATED			
BY IECC C405.2.3.2 AND IECC C405.2.3.3		UDZFA =	1,288
TBFA = TOTAL BUILDING FLOOR AREA		TBFA =	5.543
UNCONTROLLED DAYLIGHTING ZONE FLOOR AREA		ROOM	SQFT
OFFICE RM 201, 202, 203, 204, 205			
BREAK RM		206	
CONFERENCE RM		207	
STORAGE 208, STORAGE 209, IT/ELEC 210		224	
FLEX WORKSPACE 2		231	

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. AS-BUILT DRAWINGS- 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. C. <u>LIGHTING SYSTEM FUNCTIONAL TESTING REQUIREMENTS</u>

FUNCTIONAL TESTING - ALL AUTOMATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, P[ROGRAMMED, 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:

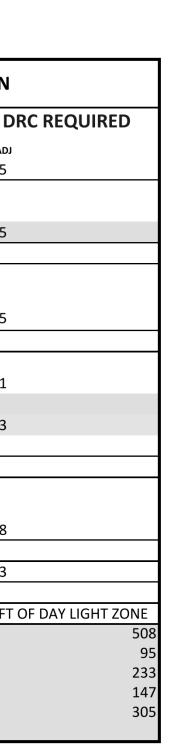
1. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE. 2. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF. 3. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR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

D. 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.

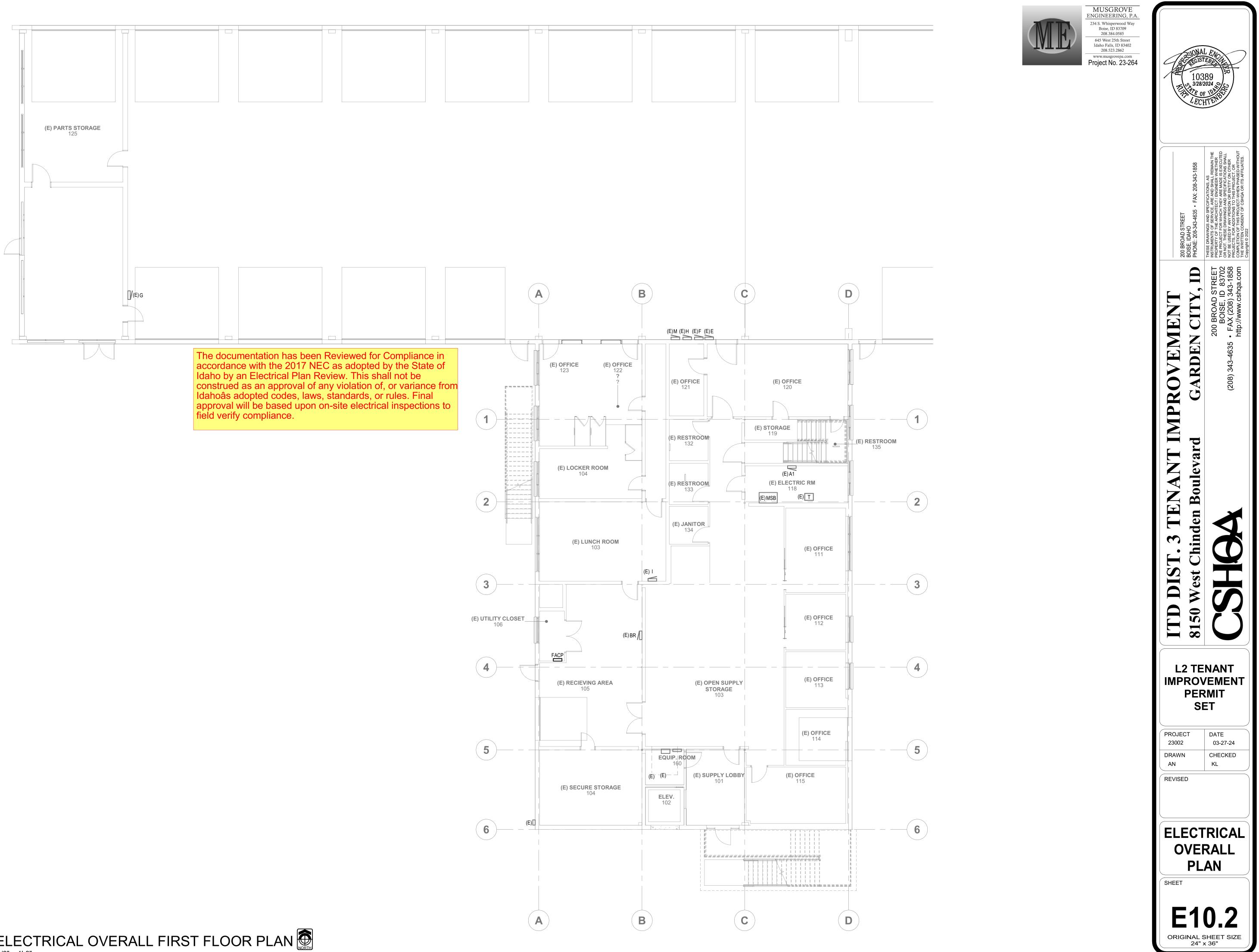


MUSGROVE ENGINEERING, P.A 234 S. Whisperwood Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862 www.musgrovepa.com Project No. 23-264

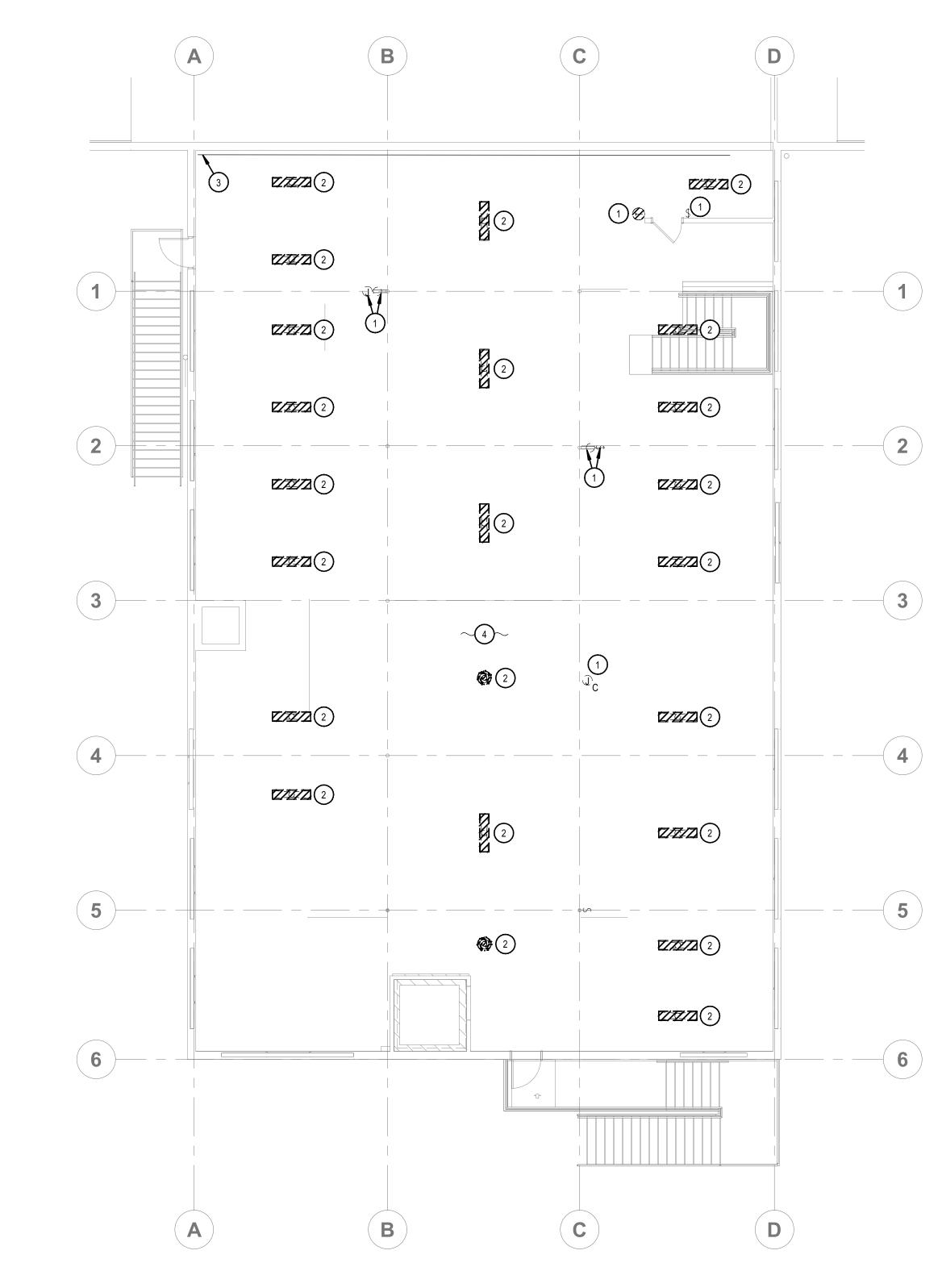


10389 1048 1057									
200 BROAD STREET	BOISE, IDAHO PHONE: 208-343-4635 • FAX: 208-343-1858	THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE AXCHITECT / ENGINEER WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT: THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR REQUECTS, FOR ADDITIONS TO THIS PROJECT, OR PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR COMPLETION OF THIS PROJECT-WHEN PHASED WITHOUT THE WRITTEN CONSENT OF CSHOA OR ITS AFFILIATES.							
PROVEMENT	GARDEN CITY, ID	200 BROAD STREET BOISE, ID 83702 (208) 343-4635 • FAX (208) 343-1858 http://www.cshqa.com							
ITD DIST. 3 TENANT IMPROVEMEN	8150 West Chinden Boulevard	SHOA							
	RO\ PEF	NANT /EMENT RMIT ET							
PROJEC 23002 DRAWN AN REVISE	1	DATE 03-27-24 CHECKED KL							
	GH	TING LIANCE							
	: 0	1.2							











1 ELECTRICAL DEMO SECOND FLOOR PLAN

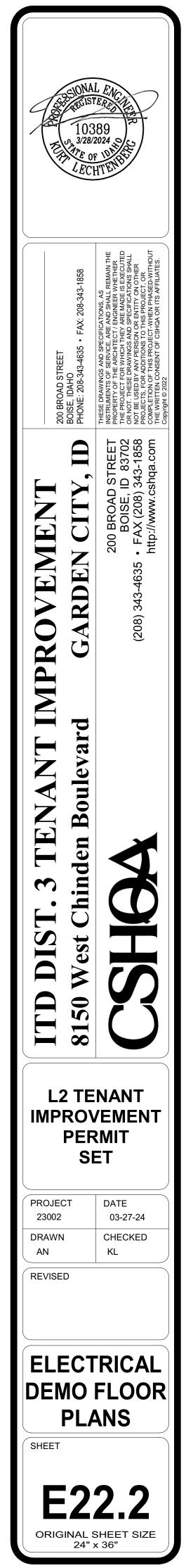


234 S. Whisperwood Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862 www.musgrovepa.com Project No. 23-264

MUSGROVE ENGINEERING, P.A.

KEYED NOTES:

- # SYMBOL USED FOR CALLOUT
- 1. EXISTING DEVICES TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 2. EXISTING LIGHT FIXTURE TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 3. EXISTING DATA CABLING NOT IN CONDUIT THAT PENETRATES THE EXTERIOR WALL IN THIS LOCATION TO BE REMOVED AND RELOCATED INTO AND ROUTED THROUGH NEW CONDUIT/JUNCTION BOX(ES) TO THE IT/ELEC CLOSET 210 ROOM AS REQUIRED. RE: SPECIAL SYSTEMS SECOND FLOOR PLAN.
- 4. EXISTING CEILING DATA CABLING TO BE REMOVED AND RELOCATED. REMOVE ALL UNUSED CONDUIT, DATA CABLING AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTEAM DATA CABLING THAT ARE TO REMAIN AND RE-ROUTE THROUGH NEW ACT AS REQUIRED TO THE IT/ELEC CLOSET 210 AS REQUIRED. RE: SPECIAL SYSTEMS SECOND FLOOR PLAN.

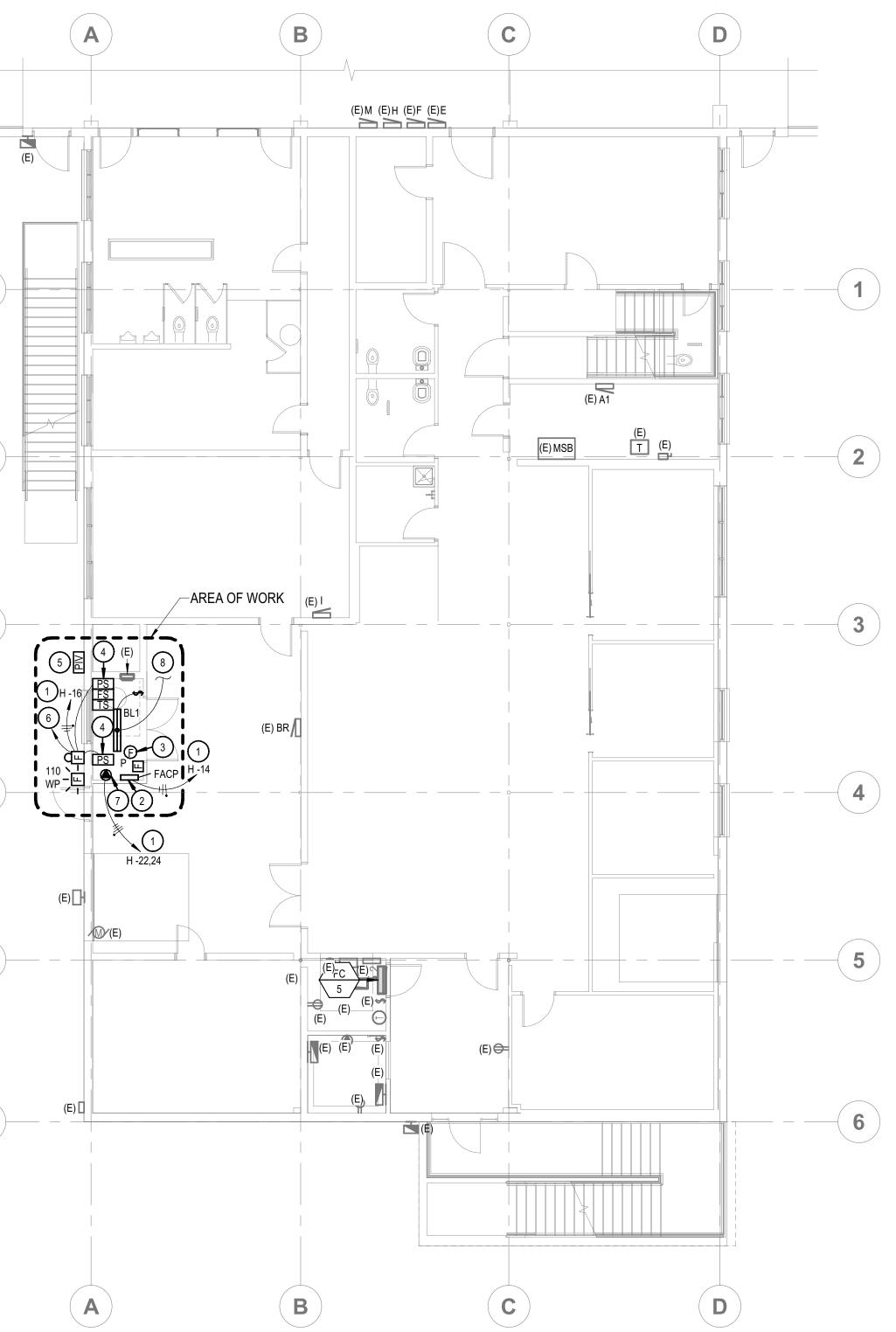




2

3

6 **1 FL** 1/8"



1 ELECTRICAL FIRE RISER FLOOR PLAN

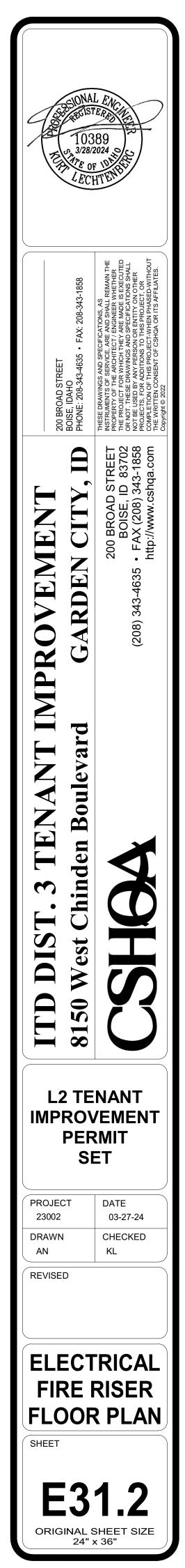


MUSGROVE ENGINEERING, P.A. 234 S. Whisperwood Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.523.2862 www.musgrovepa.com Project No. 23-264

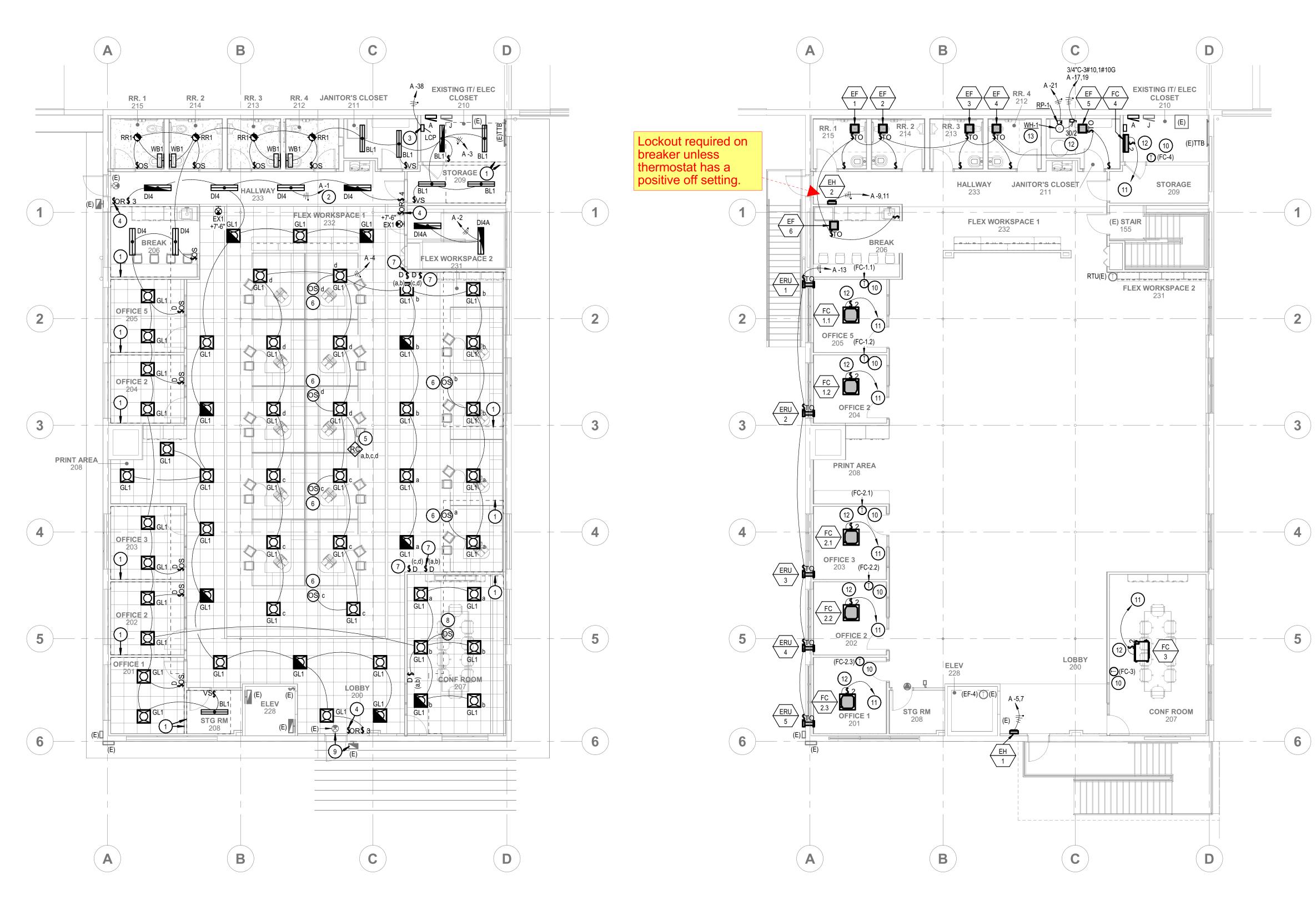
KEYED NOTES:

SYMBOL USED FOR CALLOUT

- PROVIDE RED HANDLED LOCKABLE TYPE CIRCUIT BREAKER IN PANEL AT POSITION INDICATED.
- 2. FIRE ALARM CONTROL PANEL.
- 3. FIRE ALARM DEVICE TO BE MOUNTED TO BOTTOM OF STRUCTURE.
- COORDINATE QUANTITY OF TAMPER SWITCHES, FLOW SWITCHES, PRESSURE SWITCHES, WITH FIRE SPRINKLER CONTRACTOR. PROVIDE ALL REQUIRED MONITOR MODULES AS REQUIRED FOR A COMPLETE SYSTEM.
- 5. COORDINATE LOCATION OF PIV WITH SPRINKLER CONTRACTOR.
- 6. TO FIRE ALARM CONTROL PANEL.
- 7. CONNECTION FOR DRY PIPE SPRINKLER COMPRESSOR. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
- EXTEND CONDUIT AND CONDUCTORS FROM EXISTING LIGHTING CIRCUIT IN THIS ROOM. PROVIDE UNSWITCHED FOR EMERGENCY FIXTURE AS REQUIRED.







1 LIGHTING SECOND FLOOR PLAN1/8" = 1'-0"

2 MECHANICAL POWER SECOND FLOOR PLAN



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. 23-264

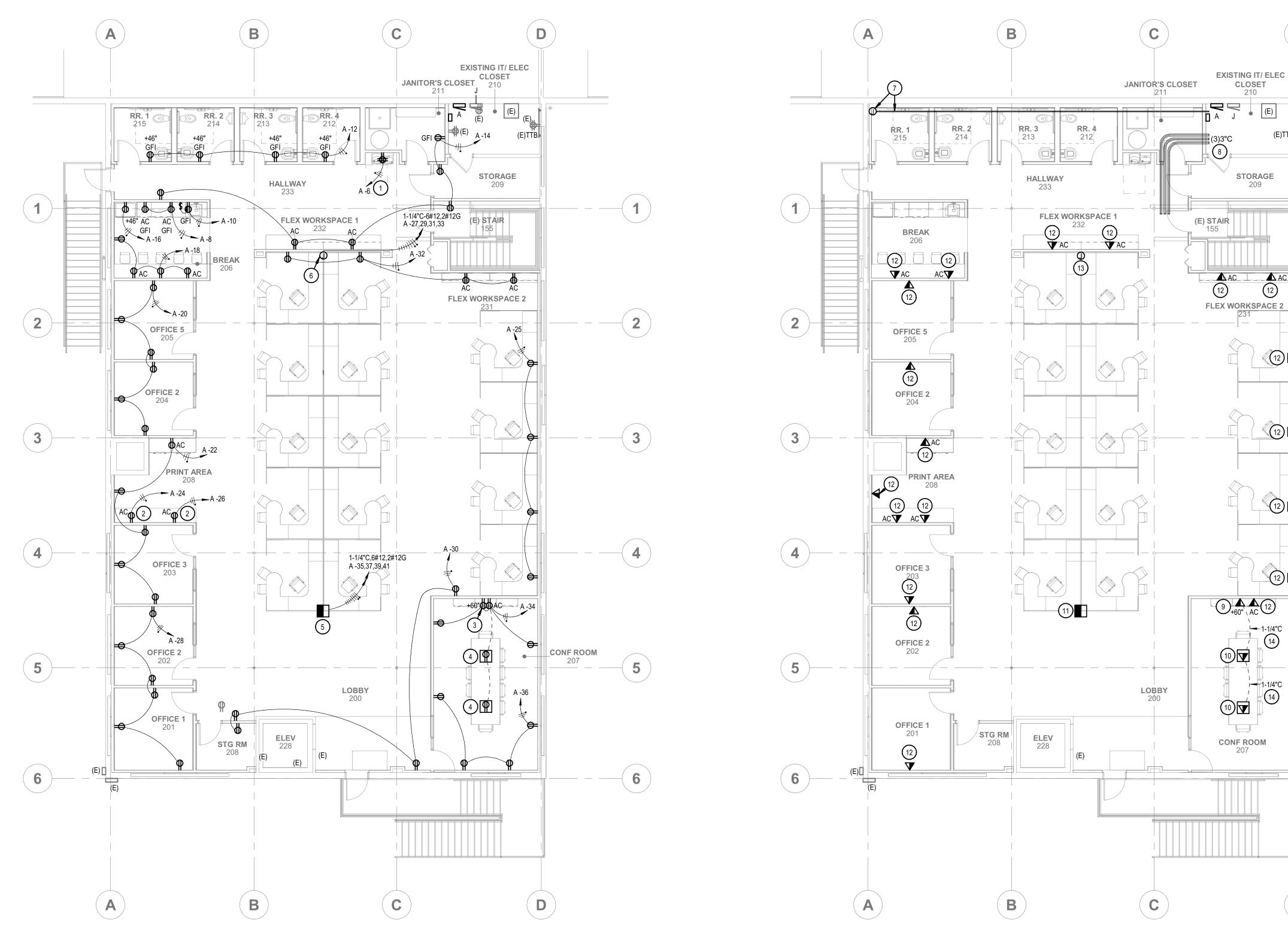
KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

- 1. DAYLIGHT ZONE PERIMETER PER 2018 IECC, SHOWN FOR REFERENCE.
- 2. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL. RE: LIGHTING CONTROL PANEL SCHEDULE
- 3. LIGHTING CONTROL PANEL. RE: LIGHTING CONTROL PANEL SCHEDULE
- 4. PROVIDE MOMENTARY LOW-VOLTAGE OVERRIDE SWITCH WITH CABLING BACK TO LIGHTING CONTROL PANEL AS REQUIRED. SWITCH SHALL BE LABELED 'OVERRIDE' AND PROVIDE 2 OURS OF OPERATION FOR THE LIGHTING DURING NON-BUSINESS HOURS.
- PROVIDE ROOM CONTROLLER COMPATIBLE WITH DIGITAL SWITCHES AND LIGHT FIXTURES SERVING THIS ROOM. CONNECT SUCH THAT ROOM CONTROLLER CONTROLS ZONE SPECIFIED BY SUBSCRIPT. PROVIDED UNSWITCHED LEG FOR DEVICE. ELECTRICAL CONTRACTOR TO PROVIDE ALL PROGRAMING, CABLING, POWER PACKS AND RELAYS FOR A COMPLETE SYSTEM. ROOM CONTROLLER CAN CONTROL ONE OR MORE DEVICES BUT SPACES ARE TO BE CONTROLLED INDEPENDENTLY.
- 6. OCCUPANCY SNESOR SHALL BE COMPATIBLE WITH LIGHTING ROOM CONTROLLER IN THIS SPACE AND TO CONTROL OPEN OFFICE ZONES INDICATED BY SUBSCRIPT(S). DETECTION OF OCCUPANCY BY ANY SENSOR IN THIS SPACE SHALL ACTIVATE ALL LIGHTING IN THIS SPACE. NO DETECTION OF OCCUPANCY BY ALL SENSORS IN THIS SPACE SHALL AUTOMATICALLY TURN OFF LIGHTING IN ALL CONTROL ZONES WITHIN 20 MINUTES OF NO OCCUPANCY DETECTION AND SHALL REDUCE LIGHTING POWER BY GREATER THAN OR EQUAL TO 80%. LIGHTING ZONES OF 600 SQUARE FEET OR LESS MARKED INDIVIDUALLY.
- 7. DIGITAL WIRED WALL SWITCH(ES) WITH RAISE/LOWER AND ON/OFF CONTROL. SWITCHES ARE TO BE COMPATIBLE WITH THE ROOM WIRED LIGHTING CONTROL SYSTEM. PROVIDE ONE SWITCH FOR EACH CONTROL ZONE INDICATED.
- NON-DIGITAL, DUAL TECHNOLOGY OCCUPANCY SENSOR. CONNECT SUCH THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE ALL LIGHTING IN THE ROOM AND TURN OFF THE IGHTING AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND NSTALL ALL POWER PACKS AND RELAYS AS REQUIRED.
- 9. FIXTURE RELOCATED IN PHASE 1.
- 10. 1/2" CONDUIT TO CORRESPONDING MECHANICAL UNIT. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTOR(S) WITH MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
- 11. PROVIDE AND INSTALL LINE VOLTAGE AND CONTROL CABLING TO THE CORRESPONDING OUTDOOR UNIT. COORDINATE REQUIREMENTS WITH THE MECHANICAL CONTRACTOR.
- 12. FIELD COORDINATE DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 13. CONNECT WATER HEATER AND ALL ASSOCIATED DEVICES AND EQUIPMENT. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.

SHE		PRO 230	ITD DIST 3 TEN ANT IM	TENANT IMPROVEMENT		A
ET					200 BROAD STREET	A DEFE
	CT	RO\ PEF SI	8150 West Chinden Boulevard	GARDEN CITY, ID	BOISE, IDAHO PHONE: 208-343-4635 • FAX: 208-343-1858	103 3/28/ 103 5, 3/28/ 103 5, 3/28/ 103 103 103 103 103 104 103 104 103 104 104 104 104 104 104 104 104
ANS				200 BROAD STREET ROISE ID 83702	THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT / ENGINEER WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED	L ENG EREN 89 2024 OF FILENB
2	CAL	EN	くりこうし	(208) 343-4635 • FAX (208) 343-1858 http://www.cshga.com	OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT, OR COMPLETION OF THIS PROJECT-WHEN PHASED-WITHOUT	WER JUN
				-	THE WRITTEN CONSENT OF CSHOA OK ITS AFFILIATES. Copyright © 2022	7





1 POWER SECOND FLOOR PLAN

2 SPECIAL SYSTEMS SECOND FLOOR PLAN

D



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. 23-264

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

- 1. PROVIDE GFCI BREAKER IN PANEL FOR CIRCUIT INDICATED.
- 2. CONNECTION FOR PRINTER. VERIFY CONNECTION REQUIREMENTS AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 3. RECEPTACLE FOR TV. VERIFY TV LOCATION AND HEIGHT PRIOR TO ROUGH-IN.NECTION FOR PRINTER. VERIFY CONNECTION REQUIREMENTS AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 4. FURNISH AND INSTALL 6" HUBBELL FIRE RATED MULT-SERVICE POKE-THRU, S1R6PTFIT SERIES OR APPROVED EQUAL. COORDINATE DEVICE PLATES AND COVER FINISH WITH ARCHITECT PRIOR TO ORDERING. RE:SPECIAL SYSTEMS SECOND FLOOR PLAN.
- 5. DUAL CHANNEL POWER POLE FOR FURNITURE FEED. PROVIDE CIRCUITING AS INDICATED. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN.
- 6. JUNCTION BOX FOR FURNITURE FEED. PROVIDE CIRCUITING AS INDICATED. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN.
- 7. PROVIDE JUNCTION BOX(ES) IN FURRED OUT WALL, SIZED AS REQUIRED, TO ROUTE DATA CABLING THAT PENETRATES EXTERIOR WALL IN THIS LOCATION. ROUTE (1) 1-1/4" CONDUIT FROM JUNCTION BOX, TO STRUCTURE AND STUB INTO EXISTING IT/ELEC CLOSET 210.
- 8. PROVIDE CONDUIT SLEEVES, QUANTITY AND SIZE AS INDICATED, FROM ABOVE THE ACCESSIBLE CEILING AND EXTEND AND STUB INTO IT/ELEC CLOSET 210. TERMINATE WITH INSULATED THROAT BUSHINGS.
- 9. JUNCTION BOX FOR TV A/V CABLING. STUB 1-1/4" CONDUIT ABOVE ACCESSIBLE CEILING. TERMINATE WITH INSULATED THROAT BUSHING.
- 10. FURNISH AND INSTALL 6" HUBBELL FIRE RATED MULT-SERVICE POKE-THRU.. ROUTE 2" CONDUIT WITH PULL STRING FROM POKE-THRU IN SPACE BELOW, TO FULL HEIGHT WALL ON THIS FLOOR, AND UP TO ABOVE ACCESSIBLE CEILING IN THIS TENANT SPACE. CORE DRILL THE EXISTING FLOOR AS REQUIRED. RE:POWER SECOND FLOOR PLAN
- 11. DUAL CHANNEL POWER/DATA POLE FOR FURNITURE FEED. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN. RE: POWER SECOND FLOOR PLAN
- 12. STUB 3/4" CONDUIT ABOVE ACCESSIBLE CEILING. TERMINATE WITH INSULATED THROAT BUSHING.
- 13. JUNCTION BOX BOX FOR FURNITURE FEED DATA. ROUTE 1-1/4" CONDUIT FROM J-BOX TO COLUMN AND TO ABOVE ACCESSIBLE CEILING. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMNTS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN RE: POWER SECOND FLOOR PLAN.
- 14. ROUTE CONDUIT ABOVE THE FIRST FLOOR CEILING FROM THE FLOOR BOX TO THE JUNCTION BOX FOR TV AVV CABLING.

10389 S EXECUTED S EXECUTED ONS SHALL OTHER VIGS AND SPECIFICATIONS, AS OF SERVICE, ARE AND SHALL THE ARCHITECT / ENGINEER V FOR WHICH THEY ARE MADE IS E DRAWINGS AND SPECIFICATI SY ANY PERSON OR ENTITY ON R ADDITIONS TO THIS PROJEC OAD STR IDAHO E: 208-343 LY C. UECT FO THESE C JSED BY P. FOR 200 BR(BOISE, PHONE THESE C INSTRUM PROPER OR NOT. NOT BE PROJEC COMPLE TREET 83702 3-1858 S,⊡S, 00 BROAE BOISE, ⊏AX (208) tp://www MEN 200 ШÈ **ے** . 635 RD 37 (208) C C 3 Soul Щ TE n D \mathbf{n} hi DIS ITD 50 81 L2 TENANT IMPROVEMENT PERMIT SET DATE PROJECT 03-27-24 23002 CHECKED DRAWN AN KL REVISED ELECTRICAL 2ND FLOOR PLANS

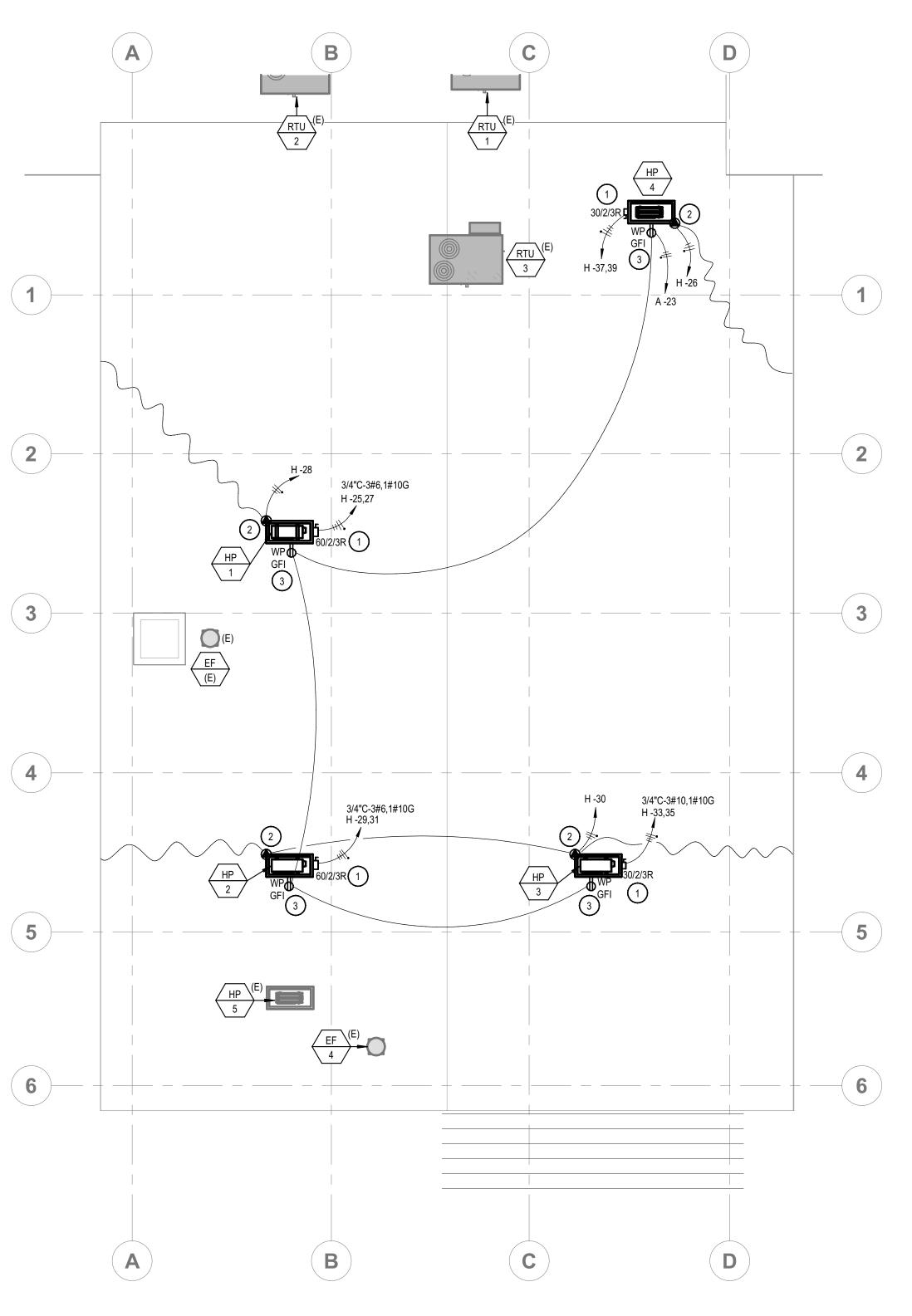
SHEET

E33.2

ORIGINAL SHEET SIZE 24" x 36"

D 210 • (E) (E)TTB STORAGE 209 1 AC (12) 2 (12) 3 4 1-1/4"C 5 14 6 \searrow





1 ELECTRICAL ROOF PLAN

NORTH



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. 23-264

KEYED NOTES:

- # SYMBOL USED FOR CALLOUT
- 1. FIELD COORDINATE DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 2. CONNECTION FOR HEAT PUMP HEAT TAPE. PROVIDE AND INSTALL HEAT TAPE AROUND THE BASE OF THE HEAT PUMP. WRAP AROUND THE BASE OF THE UNIT AND ROUTE TO NEAREST GUTTER AND EXTEND DOWN THE DOWNSPOUT TO GRADE. UTILIZE 12W/FT REYCHEM ICESTOP HEAT TAPE OR EQUAL. PROVIDE AND INSTALL (1) PENTAIR AMC-1A TEMPERATURE CONTROL UNIT, OR EQUAL, PER CIRCUIT AND GFEP (30mA) BREAKER. COORDINATE THE INSTALLATION WITH THE MECHANICAL CONTRACTOR.
- 3. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE.

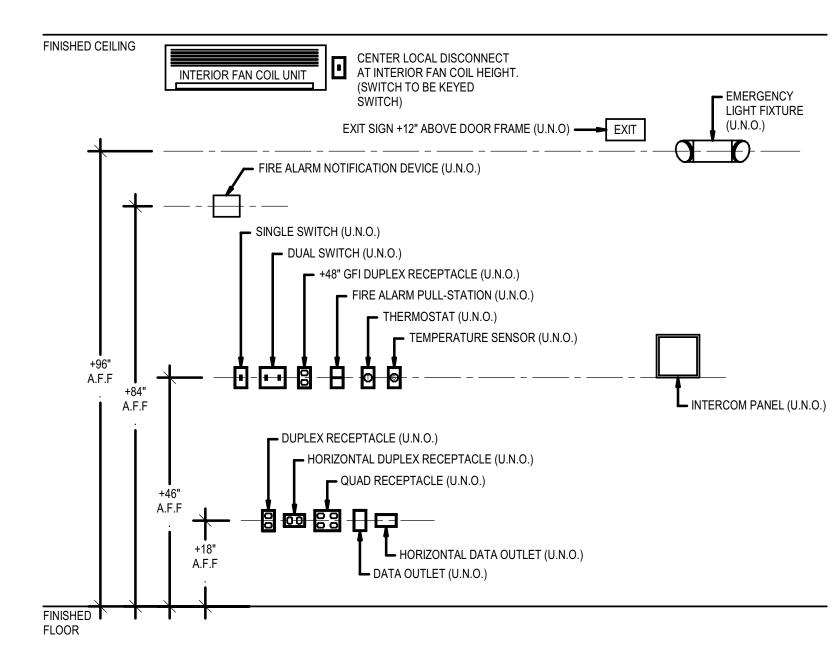
ITD DIST. 3 TENANT IMPROVEMENT 8150 West Chinden Boulevard GARDEN CITY, 200 BROAD S BOISE, ID (208) 343-4635 · FAX (208) 34 http://www.csh	ST. 3 1 t Chinde	ITD DIST. 3 T B150 West Chinds ITD DIST. 3 T B150 West Chinds ITD DIST. 3 T B150 West Chinds	From the second stateSource of the second stateImage:
	IMPROVEMENT PERMIT	IMPROVEMENT PERMIT SETPROJECT 23002DATE 03-27-24DRAWN ANCHECKED KL	IMPROVEMENT PERMIT SET PROJECT DATE 23002 D3-27-24 DRAWN CHECKED AN KL REVISED SHEET TITLE ELECTRICAL ROOF PLAN

24" x 36"



TYPE MARK DESCRIPTION MOUNT 4' LED STRIP, CHAIN HUNG CHAIN HU BI 1 +8'-0" UNO CABLE HUI 4' LED DIRECT/INDIRECT 1 DI4 +8'-6" UNO CABLE HU 4' LED DIRECT PENDANT WITH DIMMING DI4A OCCUPANCY SENSOR AND BATTERY +8'-6" UNO BACKUP THERMOPLASTIC EXIT SIGN WITH GREEN +8'-0" UNO LETTERING, NICKEL CADMIUM BATTERY AND SELF DIAGNOSTICS 2X2, VOLUMETRIC RECESSED LIGHTING CEILING G ROUND RECESSED, 6" APERTURE, LED CEILING RECESSE 2' WALL BRACKET, 2-LAMP WALL MOU LIGHTING FIXTURE SCHEDULE NOTES - PHASE 2

MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.



DETAIL GENERAL NOTES: 1. PROVIDE FRAMING AS REQUIRED.

1 STANDARD MOUNTING HEIGHTS - PHASE

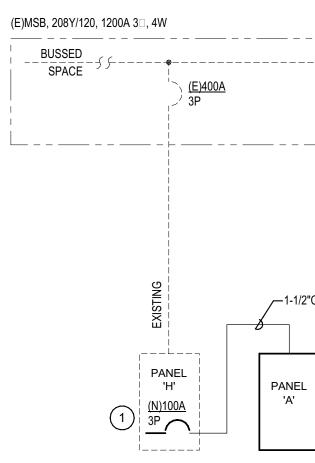
GENERAL NOTES:

- A. CONDUIT, CONDUCTORS AND AIC CALCULATIONS FOR ALL SERVICE, PANEL AND EQUIPMENT FEEDERS INDICATED ON THE ONE-LINE HAVE BEEN SIZED BASED ON COPPER. THE CONTRACTOR MAY USE COMPRESSED ALUMINUM CONDUCTORS FOR THESE FEEDERS PROVIDING THE CONDUIT, CONDUCTOR SIZES AND AIC CALCULATIONS ARE ADJUSTED AS REQUIRED TO MEET ALL NATIONAL ELECTRICAL CODE REQUIREMENTS.
- B. FURNISH AND INSTALL ENGRAVED LABEL ON THE FRONT OF ALL ELECTRICAL EQUIPMENT NOTING THE AVAILABLE FAULT CURRENT VALUE SHOWN.

KEYED NOTES:

SYMBOL USED FOR NOTE CALLOUT.

1. PROVIDE NEW BREAKER IN EXISTING PANEL



2 PARTIAL ONE-LINE DIAGRAM - PHASE 2

NTING	WATTAGE	LAMP	MANUFACTURER	MODEL	OR EQUAL BY	NOTES
HUNG NO	18.5	LED, 3000 LUMENS, 4000K	LITHONIA	CLX-L48-SEF-RDL-MVOLT-GZ1-40K-80CRI-WH-HC36M12 (PROVIDE WITH 'PS1050-SPD' OPTION FOR EMERGENCY FIXTURES)	COLUMBIA / METALUX	1
HUNG NO	26.7	LED, 4000K	LITHONIA	STL-30L-GZ10-LP840-STACG72-F2 (PROVIDE WITH 'EL14L' OPTION FOR EMERGENCY FIXTURES)	COLUMBIA / METALUX	1
HUNG NO	26.7	LED, 4000K	LITHONIA	STL-30L-GZ10-LP840-LSXRHL-EL14L-STACG72-F2	COLUMBIA / METALUX	1
NO	0.7	LED	LITHONIA	LQM-S-W-3-G-MVOLT-ELN-SD	COMPASS/SURE-LITE	1
GRID	26.7	LED, 3300 LUMENS, 4000K	LITHONIA	2BLT2-33L-ADP-GZ1-LP840 (PROVIDE WITH 'EL14L' OPTION FOR EMERGENCY FIXTURES)	COLUMBIA / METALUX	1
) SED	10.4	LED, 1000 LUMENS, 4000K	LITHONIA	LDN6-40/10-L06AR-LSS-MVOLT-GZ1-EL	LIGHTOLIER/PORTFO LIO/PRESCOLITE	1
OUNTED	17.5	LED	LITHONIA	WP2-18L-GZ10-LP840	LIGHTCONTROL/MET ALUX	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

	Branch Panel	: H												
	Location Supply From Mounting Enclosure	: : Surface)				Volts: Phases: Wires:		е			A.I.C. Main Mains MCB	s Typ Rating	e: 4 g: 4
Note 1)EX	:s: (ISTING BREAKER; 2)NEW BREAKI	ER; 3)RE	D HANI	DLED, L	OCKABLE	BREAKER; 4	l)GFEP (30m	A) FOR EQU		OTECTION				
скт	Circuit Description	CKT Note	Trip	Poles		A		3		C	Poles	Trip	CKT Note	
	REC-ROOF (HP-5)	2	20 A	1	180 VA	0 VA					3	100 A	1	(E
3	HEAT TAPE (HP-5), ROOF	2,4	20 A	1			660 VA	0 VA						<u>`</u>
5	Spare	1	20 A	2					0 VA	0 VA				
7					0 VA	0 VA					3	15 A	1	E
9	REC-ELEVATOR SHAFT/PIT	1	20 A	1			180 VA	0 VA						
11	LTS-ELEVATOR SHAFT/PIT	1	20 A	1					136 VA	0 VA				
13	EF-4, ROOF	1	20 A	1	120 VA	0 VA					1	20 A	2,3	F
15	LTS/REC-ELEVATOR	2,3	20 A	1			360 VA	0 VA			1	20 A	2,3	P
17	ELEVATOR SHUNT TRIP	2,3	20 A	1					0 VA	1768 VA	2	25 A	2	Н
19	(E)PANEL 'J'	1	60 A	2	0 VA	1768 VA								
21							0 VA	250 VA			2	20 A		D
23	REC-EQUIP. RM 160	1	20 A	1					180 VA	250 VA				
25	HP-1, ROOF	2	45 A	2	3120 VA	900 VA					1	20 A	2,4	Н
27							3120 VA	900 VA			1	20 A	2,4	Н
29	HP-2, ROOF	2	45 A	2					3120 VA	1200 VA	1	20 A	2,4	Н
31					3120 VA	0 VA					1	20 A	1	S
33	HP-3, ROOF	2	25 A	2			1768 VA	0 VA			1	20 A	1	S
35									1768 VA		1			S
37	HP-4, ROOF	2	20 A	2	1352 VA	9485 VA					3	100 A	2	Ρ
39							1352 VA	8115 VA						
41	Space			1						8931 VA				
			Tota	Load:	2003	35 VA	1669	4 VA	1731	4 VA				
			Tatal	Amps:	40	68 A	10	9 A	1.4	5 A				

2			

{}	BUSSED
	SPACE

-1-1/2"C-4#1,1#8G

Branch Panel: A Location: IT/ELEC 201 Supply From: H

Mounting: Surface

Enclosure: Type 1

1)GFCI FOR PERSONAL PROTECTION (5mA); 2)GFEP FOR EQUIPMENT PROTECTION (30mA)

		OVT									OVT				
скт	Circuit Description	CKT Note	Trip	Poles	Α		В		с		Poles	Trip	CKT Note	Circuit Description	скт
1	LTS-HALL 233, FLEX 232, LOBBY		20 A	1	497 VA	- 53 VA	-	_		-	1	20 A		LTS-STAIRS	2
3	LTS-2ND FLOOR		20 A	1			891 VA	572 VA			1	20 A		LTS-OPEN OFFICE	4
5	EH-1, LOBBY 200		20 A	2				012 111	1000 VA	360 VA	1	20 A	1	WATER FOUNTAIN	6
7					1000 VA	1380 VA					1	20 A	•	REC-COUNTER, BREAK 206	8
9	EH-2, HALL 233		20 A	2			1000 VA	720 VA			1	20 A		REC-DISPOSER, BREAK 206	10
11									1000 VA	720 VA	1	20 A		REC-RR 1/2/3/4	12
	ERU 1-5, OFFICES 201-205		20 A	1	26 VA	1080 VA				-	1	20 A		REC-HALL 233/JAN 211/STOR 209	14
-	EF-1/2/3/4/5/6		20 A	1			290 VA	720 VA			1	20 A		REC-FRIDGE, BREAK 206	16
17	WH-1, JAN. 211		30 A	2					2250 VA	720 VA	1	20 A		REC-BREAK 206	18
19					2250 VA	1080 VA					1	20 A		REC-OFFICE 204/205	20
21	RP-1 (WH-1), JAN. 211		20 A	1			180 VA	900 VA			1	20 A		REC-PRINT 208/OFFICE 203	22
23	REC-ROOF		20 A	1					720 VA	180 VA	1	20 A		REC-PRINTER, PRINT 208	24
25	REC-DESKS, FLEX 231		20 A	1	720 VA	180 VA					1	20 A		REC-PRINTER, PRINT 208	26
27	CUBICLE FURNITURE, FLEX 232		20 A	2			250 VA	1080 VA			1	20 A		REC-OFFICE 201/202	28
29									250 VA	720 VA	1	20 A		REC-STOR 208/LOBBY 200	30
31	CUBICLE FURNITURE, FLEX 232		20 A	2	250 VA	720 VA					1	20 A		REC-FLEX 231/232	32
33							250 VA	1080 VA			1	20 A		REC-CONF 307	34
35	CUBICLE FURNITURE, FLEX 232		20 A	2					250 VA	720 VA	1	20 A		REC-CONF 307	36
37					250 VA	180 VA					1	20 A		LCP, IT/ELEC 210	38
39	CUBICLE FURNITURE, FLEX 232		20 A	2			360 VA	0 VA			1	20 A		Spare	40
41									360 VA	0 VA	1	20 A		Spare	42
			Total	Load:	948	5 VA	811	5 VA	8931 VA						
			Total <i>i</i>	Amps:	80	80 A 68 A			75	Α	-				
	egend:														

Volts: 120/208 Wye

Phases: 3 Wires: 4

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. 23-264

	103 sector 10 s 103 sector 103 sector 103 sector 103 sector 103 sector 103 sector 103 sector 103 sector 103 sector 103 sector 103 s 103 s 103 s 10 s 10 s 10 s 10 s 1	L ENGLASSING
	200 BROAD STREET BOISE, IDAHO PHONE: 208-343-4635 • FAX: 208-343-1858	THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT: THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER ROJECTS, FOR ADDITIONS TO THIS PROJECT, OR OR THE WRITTEN OF THIS PROJECT-WHEN PHASED WITHOUT THE WRITTEN CONSENT OF CSHOA OR ITS AFFILIATES.
TENANT IMPROVEMENT	GARDEN CITY, ID	200 BROAD STREET BOISE, ID 83702 (208) 343-4635 • FAX (208) 343-1858 http://www.cshqa.com
ITD DIST 3 TENANT IMI	8150 West Chinden Boulevard	VADAS
	PRO\ PEF	NANT /EMENT RMIT ET
PRO. 230 DRAN AN REVI	02 WN	DATE 03-27-24 CHECKED KL
DE		RICAL LS AND DULES
	IGINAL	0.2 SHEET SIZE

:	EXISTING
:	400A
:	400 A
:	MBR

CKT Note	Circuit Description	СК
1	(E)PANEL 'G'	2
		4
		6
1	EXISTING	8
		10
		12
2,3	FACP, FIRE RISER ROOM.	14
2,3	PIV/BELL, RISER ROOM	16
2	HP-5, ROOF	18
		20
	DRY PIPE PUMP, FIRE RISER	22
		24
2,4	HEAT TAPE (HP-4)	26
2,4	HEAT TAPE (HP-1)	28
2,4	HEAT TAPE (HP-2/3)	30
1	Spare	32
1	Spare	34
	Space	36
2	PANEL 'A'	38
		40
		42

Mains Mains R	Type: ating:				
	Mains Mains Ra	 Mains Type: MLO Mains Rating: 100 A	Mains Type: MLO Mains Rating: 100 A	Mains Type: MLO Mains Rating: 100 A	Mains Type: MLO Mains Rating: 100 A