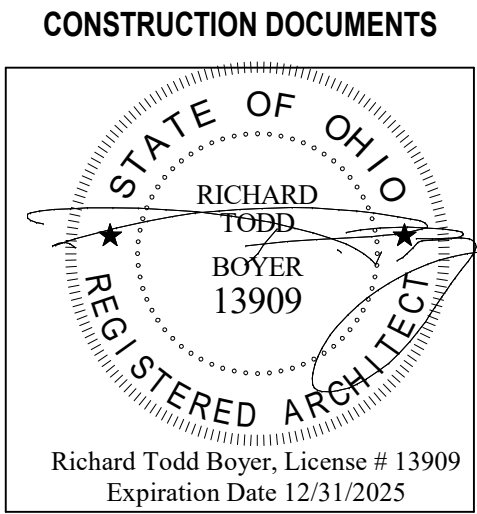


DUBLIN JEROME WEIGHT ROOM RENOVATION



OWNER
**DUBLIN CITY
SCHOOLS**

ARCHITECT
**FANNING HOWEY
ASSOCIATES INC.**
(614) 764-4661



PROJECT NUMBER: 225079.00
PROJECT ISSUE DATE: 12/15/2025

COVER SHEET

VOLUME A

ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

MATERIAL SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

[illegible]

DRAWING SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW:

EL XXX'-XX'

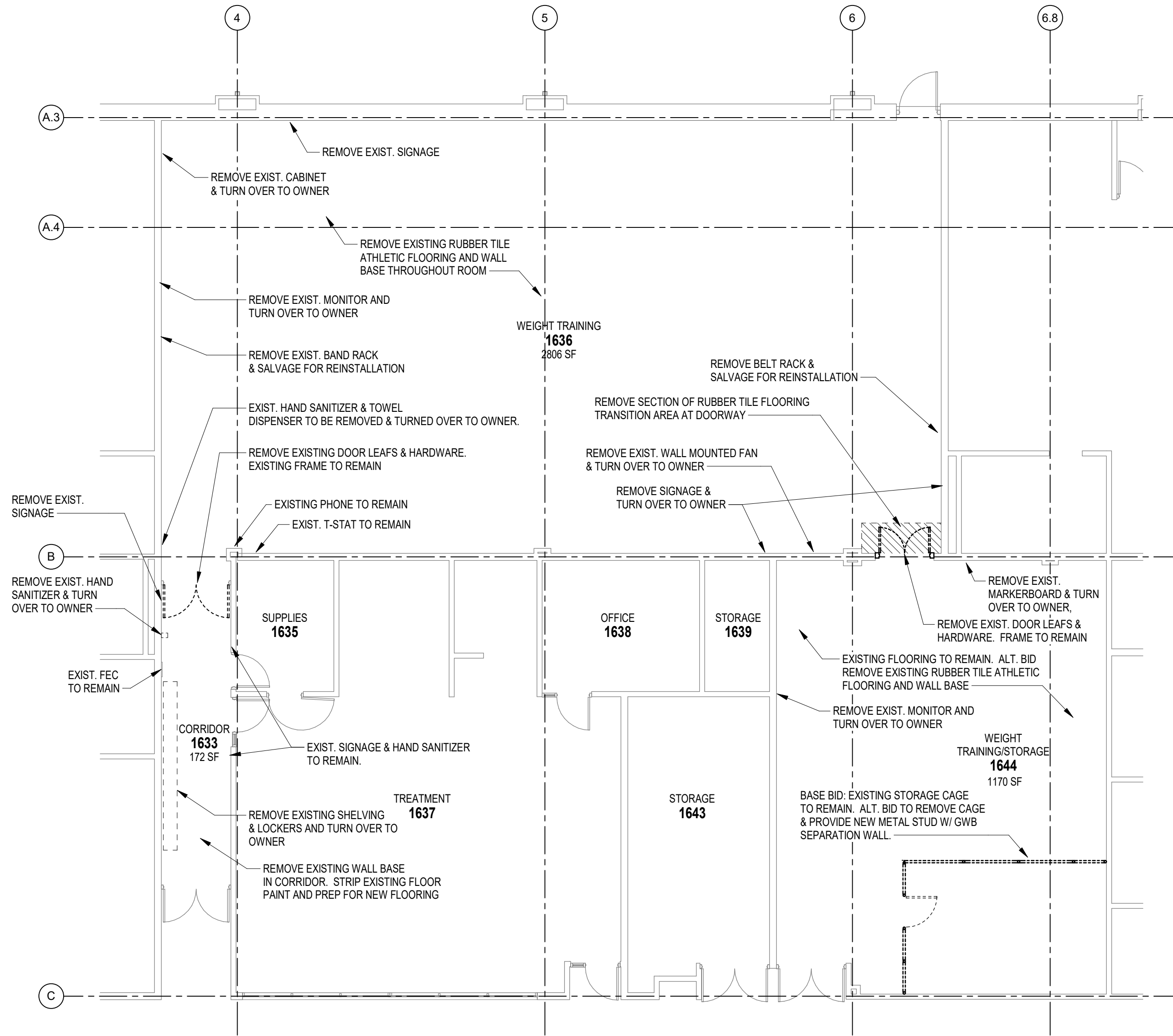
VOLUME A

A7.00A EQPT. SCHEDULES & LIST OF FINISHES

COVER
ABBREVIATIONS AND INDEX

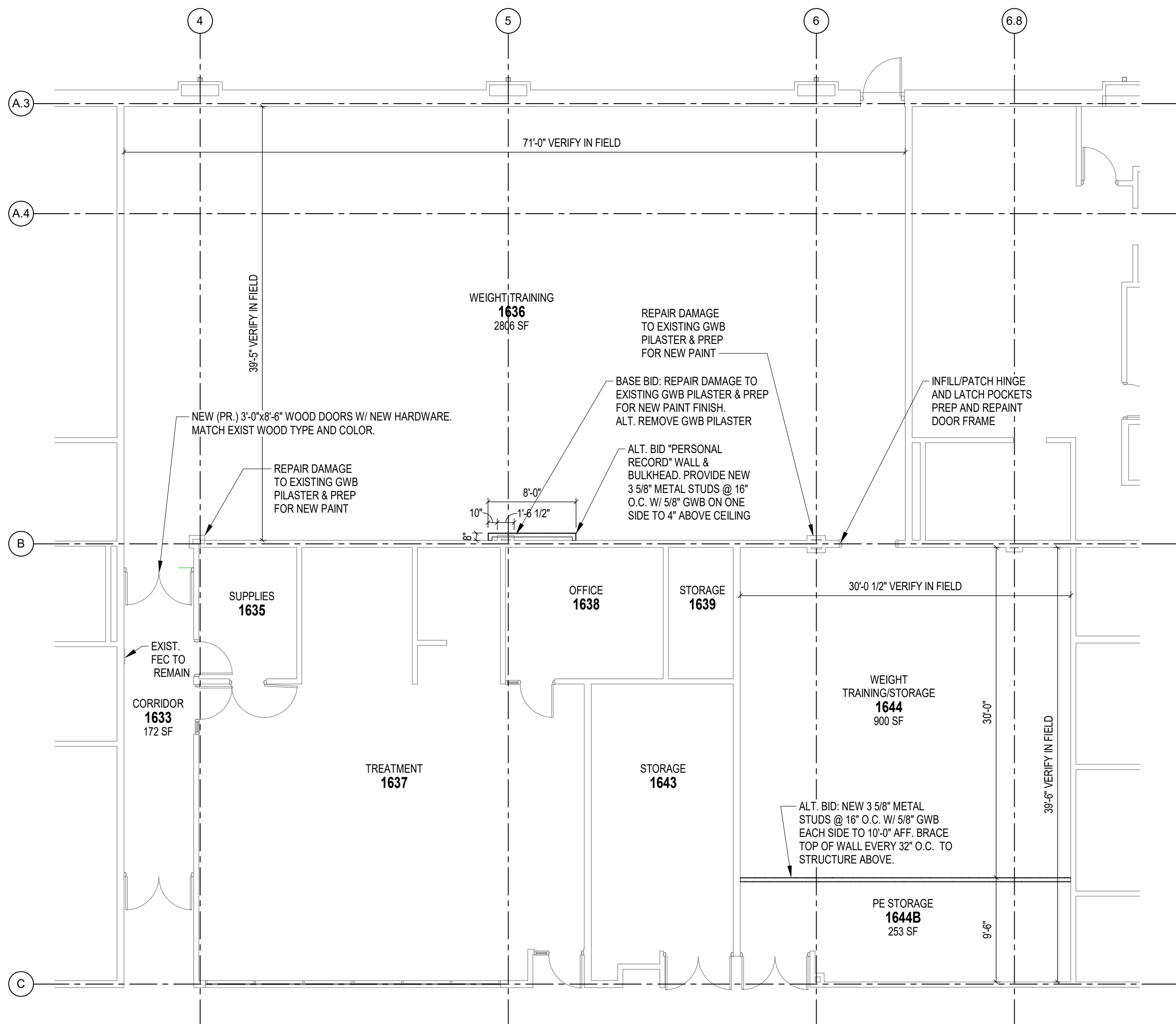
T1.01 TECHNOLOGY DETAILS

INDEX A



1 - FIRST FLOOR - DEMOLITION PLAN

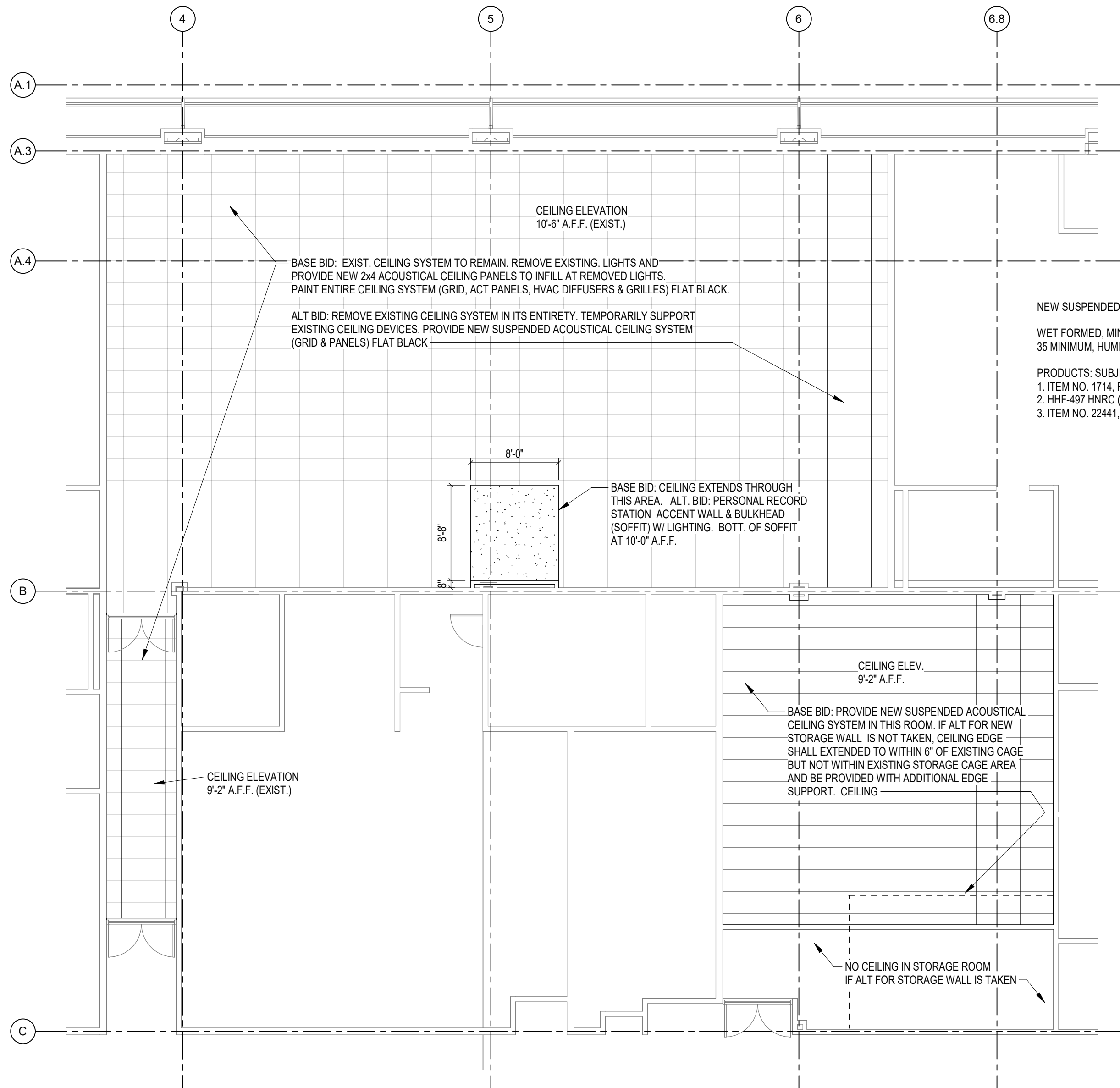
SCALE: 1/8" = 1'-0"



1 - FIRST FLOOR - ARCHITECTURAL PLAN

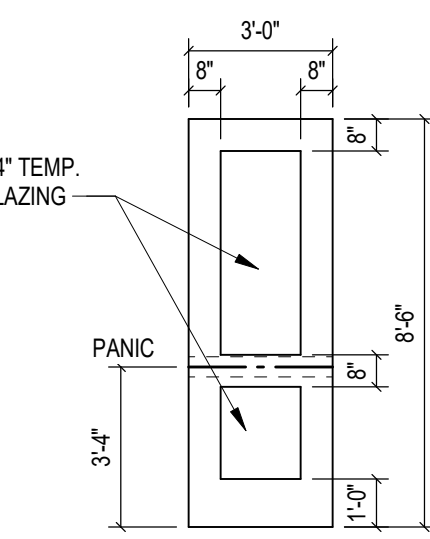
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:
- Steel Studs and Runners: AISI S220 with flange edges of studs bent back 90 degrees and doubled over to form 3/16 inch wide minimum lip (return), and complying with the following requirements:
 - Thickness and spacing of studs shall be as indicated, but not less than that required complying with AISI S220 with maximum deflection L/240 at 5 lbf. per sq. ft., unless otherwise noted.
 - Tile finishes applied to cementitious backer units maximum deflection shall be L/660.
 - Unless indicated otherwise, metal stud framing shall be formed from 0.0296-inch minimum sheet base metal (fla 20 gauge-non-structural) or equivalent thickness 0.0181 inch (fla 20EQ gauge non-structural).
 - Framing shall not exceed an unbraced length of 16'-0" when framing is 16 inches on center.
 - Provide a minimum base-steel thickness of 0.018 inch (fla 25 gauge) above finished ceilings, where indicated to extend CMU partitions to deck and for soffits.
 - 1) Framing at the above locations shall be no greater than 24 inch on center.
 3. Depth: As indicated.
 - Soffit Framing System (Option): Prefabricated soffit framing system that clicks into shape and installs quickly.
 - Aligns with construction industry dynamics.
 - Enhanced safety.
 - Reduced need for skilled labor.
 - Transition from stick-built to pre-fab-off-site construction.
 2. Minimum G40 hot-dipped, galvanized coating (per ASTM C645); provides superior corrosion resistance.
 3. Basis-of-Design: SIMPSONSOFFIT; Armstrong Ceiling and Wall Solutions.
 - All gypsum wallboard shall be Abuse-Resistant/Mold-Resistant Gypsum Boards (Level 1) Boards shall be 5/8 inch thick, complying with Type X or C fire resistance in accordance with ASTM C1396, and C1625; and for NFPA Class 1 Flame Spread, Smoke Development and Fuel Contribution under ASTM E84.
 - Sheetrock Mold Tough AR; United States Gypsum Company
 - Hi-Abuse XP Wallboard; National Gypsum Co.
 - Extreme Abuse-Resistant with M2Tech; CertainTeed Gypsum, Inc.
 - M-Bloc Impact Resistant; American Gypsum
 - Den Armour Plus (Impact-Resistant); Georgia Pacific



1 - FIRST FLOOR - REFLECTED CEILING PLAN

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



4 DOOR INFO

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

DOOR HARDWARE REQUIREMENTS

Provide each OPENING with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2 EA	CONT. HINGE	224XY EPT	626	IVE
2 EA	POWER TRANSFER	EPT10	689	VON
1 EA	ELEC PANIC HARDWARE	SD-RX-QEL-9948-L-17-LBL 24	626	VON
1 EA	ELEC PANIC HARDWARE	SD-RX-QEL-9948-L-17-LBL 24	626	VON
1 EA	RIM CYL HOUSING (FSIC)	20-079 ICX	626	SCH
2 EA	MORTISE CYL HOUSING (FSIC)	26-094 XQ11-648	626	SCH
3 EA	PERMANENT CORE (FSIC)	Match existing keyway	626	SCH
2 EA	SURFACE CLOSER	4040XP EDA	689	LCN
2 EA	KICK PLATE	8400 10" X 1" LDW 8-CS	630	IVE
2 EA	ELEC WALL MAG HOLDER AND PROJECTION REQ'D)	SEM SERIES (VERIFY MOUNTING	689	LCN
2 EA	SILENCER	SR64	689	IVE
1 EA	CREDENTIAL READER BY ACCESS CONTROL INTEGRATOR BY OTHERS			
2 EA	DOOR CONTACT	679 SERIES	BLK	SCE
1 EA	POWER SUPPLY	PS804 900-2RS 120/240 VAC	LGR	SCE

DOORS NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER RETRACTS EXIT DEVICE LATCH, ALLOWING ACCESS. EXIT DEVICE LATCH ALSO CAPABLE OF BEING ELECTRONICALLY DOGGED DOWN (I.E. PUSH/PULL MODE) AS DESIGNATED BY ACCESS CONTROL SYSTEM SCHEDULE.

FREE EGRESS AT ALL TIMES.

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MECHANICAL ABBREVIATIONS

A/C	AIR CONDITIONING	ID	INSIDE DIAMETER (IN INCHES, UNLESS OTHERWISE NOTED)
AC	AIR CURTAIN	IN	INTAKE HOOD
ACU	AIR CONDITIONING UNIT	IN WC	IN INCHES OF WATER COLUMN
AD	DUCT/PLENUM ACCESS DOOR	INSUL	INSULATION/INSULATE
AE	ACOUSTICAL ELBOW (REFER TO DETAIL, THIS SHEET)	INV	INVERT
AFF	ABOVE FINISHED FLOOR	KH	KITCHEN HOOD
AFMS	AIR FLOW MONITOR/MEASURING STATION	KW	KILOWATTS
APP	AIR FLOW MEASUREMENT PROBE	LAT	LEAVING AIR TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)
AFT	AIR FLOW TRANSDUCER/TEMPERATURE MONITOR	LF	LINEAR FEET
AHU	AIR HANDLING UNIT (W/ INTEGRAL DEVICES FOR COOLING, HEATING, CLEANING AND/OR FILTRATION OF THE CIRCULATED AIR). TERM MAY BE USED INTERCHANGEABLY WITH ADUS AND ARUS.	LLS	LOW LIMIT SWITCH
ADU	AIR HANDLING UNIT, W/ INTEGRAL DEVICES FOR INCREASED DEHUMIDIFICATION	LP	LIQUID PETROLEUM
ARU	AIR HANDLING UNIT, W/ INTEGRAL DEVICES FOR ENERGY RECOVERY	LPS	LOW PRESSURE STEAM SUPPLY
AL	ALUMINUM	LVR	LOUVER
ALT	ALTERNATE, ALTERNATIVE	LWT	LEAVING WATER TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)
AMB	AMBIENT	M	MOTOR
AMP	ACCESS PANEL	MAT	MIXED AIR TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)
APD	AIR PRESSURE DROP (IN INCHES OF WATER COLUMN)	MAX	MAXIMUM
AS	AIR SEPARATOR	MBH	EQUIVALENT TO 1,000 BTUH
AR	ACID RESISTANT	MECH	MECHANICAL
ARV	AIR RELIEF VALVE, MANUAL AIR VENT	MFR	MANUFACTURER
AT	AIR TRANSFER	MH	MANHOLE
ATD	AIR TEMPERATURE DROP (IN "F, UNLESS OTHERWISE NOTED)	MIN	MINIMUM
ATR	AIR TEMPERATURE RISE (IN "F, UNLESS OTHERWISE NOTED)	MISC	MISCELLANEOUS
ATV	AIR TURNING VANES	MOD	MOTORIZED OPERATED DAMPER
AUTO	AUTOMATIC	MPS	MEDIUM PRESSURE STEAM SUPPLY
AVE	AIR VOLUME EXTRACTOR	MTD	MOUNTED
		MUA	MAKE-UP AIR HANDLING UNIT
BCP	BOILER CIRCULATION PUMP	NIC	NOT IN CONTRACT
BD	BAROMETRIC DAMPER OR BAROMETRIC, COUNTER BALANCED GRAVITY OPERATED DAMPER	No. / #	NUMBER
BDD	BACKDRIFT DAMPER	NOM	NOMINAL
BHP	BREAK HORSEPOWER (IN HORSEPOWER)	NTS	NOT TO SCALE
BLDG	BUILDING	NG	NATURAL GAS
BLR	BOILER	NP	NON-POTABLE WATER
BLM	BUILDING MANAGEMENT SYSTEM	OA	OUTDOOR AIR
BOD	BOTTOM OF DUCT/DEVICE (IN UNITS NOTED)	OAT	OUTDOOR AIR TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)
BP	BAROMETRIC PRESSURE (IN INCHES OF MERCURY, UNLESS OTHERWISE NOTED)	OC	ON CENTER
BTU	BRITISH THERMAL UNITS	OD	OUTDOOR DIAMETER (IN INCHES, UNLESS OTHERWISE NOTED)
BTUH	BRITISH THERMAL UNITS PER HOUR	OS	OIL RETURN
		OS	OIL SUPPLY
CBU	COMBUSTION AIR UNIT	P/E	PNEUMATIC/ELECTRIC
CAU	CHILLED BEAM, ACTIVE	P/T	PRESSURE/TEMPERATURE PORT, PETE'S PLUG
CBD	CHILLED BEAM, ACTIVE DISPLACEMENT AIR UNIT	P	PUMP
CBP	CHILLED BEAM, PASSIVE	PC	PUMPED CONDENSATE
CC	COOLING COIL	PHC	PREHEAT COIL
CCP	COIL CIRCULATION PUMP	PREFAB	PREFABRICATED
CD	CONTROL, DAMPER	PR	PRESSURE
CF	CARTRIDGE FILTER	PRV	PRESSURE REDUCING VALVE
CFH	CUBIC FEET PER HOUR (GAS UNIT OF MEASURE)	PSF	POUNDS PER SQUARE FOOT
CFM	AIR/GAS FLOW RATE (IN CUBIC FEET PER MINUTE)	PSI	POUNDS PER SQUARE INCH
CSF	CHEMICAL SHOT FEEDER	PTAC	PACKAGE TERMINAL AIR CONDITIONING UNIT
CHLR	CHILLER	PUH	PROPELLER UNIT HEATER
CHP	CHILLED WATER PUMP	PVC	POLYVINYL CHLORIDE
CHR	CHILLED WATER RETURN		
CHS	CHILLED WATER SUPPLY	R	RADIANT
CL	CENTER LINE	RAD	RADIUS
CLG	CEILING	RA	RETURN AIR
COMP	COMPRESSOR	RCP	RADIANT CEILING PANEL
CO	CLEAN OUT	REQD	REQUIRED
COL	COLUMN	RFM	REFRIGERANT MONITOR
COND	CONDENSER	RG	RETURN AIR GRILLE
CP	CONDENSATE PUMP	RH	RELIEF HOOD
CRU	COMPUTER ROOM UNIT	RHC	REHEAT COIL
CSR	CURRENT SENSING RELAY	RL	REFRIGERANT LIQUID
CT	COOLING TOWER	RM	ROOM
CU	CONDENSING UNIT	RPM	REVOLUTIONS PER MINUTE
CUH	CABINET UNIT HEATER	RS	REFRIGERANT SUCTION
CV	CONVECTOR	RTU	ROOF TOP AIR HANDLING UNIT
CWP	CONDENSER WATER PUMP	RV	ROOF MOUNTED VENTILATOR
CWR	CONDENSER WATER RETURN	RWO	RETURN AIR WALL OPENING (ABOVE CEILING, UNLESS OTHERWISE NOTED)
DB	DRY BULB TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)	S	SENSOR
DCW	DUST COLLECTOR	SA	SUPPLY AIR (WITH A UNIT MEASUREMENT OF CFM)
DCWT	DOMESTIC COLD WATER	SAG	SUPPLY AIR GRILLE
DELTA T / AT	TEMPERATURE DIFFERENCE	SC	STEAM CONDENSATE
DHW	DOMESTIC HOT WATER	SCHED	SCHEDULE
DIA / Ø	DIAMETER (IN INCHES, UNLESS OTHERWISE NOTED)	SD	SMOKE DAMPER
DOAS	DEDICATED OUTDOOR AIR SYSTEM	SF	SUPPLY FAN
DOS	DIFFERENTIAL PRESSURE (IN FEET OF HEAD, UNLESS OTHERWISE NOTED)	SH	SHOULDER
DP	DIFFERENTIAL PRESSURE SWITCH	SHIT	SHEET
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	SM	SIMILAR
DST	DUCT SILENCER	SL	LINEAR SLOT DIFFUSER
DT	DIFFERENTIAL TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)	SP	STATIC PRESSURE (IN INCHES OF WATER COLUMN FOR AIR/GAS SYSTEMS)
DU	DEHUMIDIFICATION UNIT	SPEC	SPECIFICATION(S)
DUR	DOOR UNDER CUT (IN INCHES, UNLESS OTHERWISE NOTED)	STD	STANDARD
DWG	DRAWING	SF	SHOT FEEDER
EIP	ELECTRICAL/PNEUMATIC	T	TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)
EAT	ENTERING AIR TEMPERATURE (IN "F, UNLESS OTHERWISE NOTED)	TA	TRANSFER AIR
ECON	ECONOMIZER	TC	TEMPERATURE CONTROL
EF	EXHAUST FAN	TCC	TEMPERATURE CONTROL CONTRACTOR
EFF	EFFICIENCY	TCF	TEMPERATURE CONTROL SYSTEM CONTROL PANEL
EG	EXHAUST GRILLE	TCS	TEMPERATURE CONTROL SYSTEM
EH	EXHAUST HOOD	TD	TEMPERATURE DROP (IN "F, UNLESS OTHERWISE STATED)
ELEV	ELEVATION	TEMP	TEMPERATURE (IN "F, UNLESS OTHERWISE STATED)
ELEC	ELECTRIC, ELECTRICAL	TOO	TOP OF DUCT/DEVICE (IN UNITS NOTED)
EM	EXPANDED METAL (MINIMUM OF 70% FREE AREA, UNLESS OTHERWISE NOTED)	TR	TEMPERATURE RISE (IN "F, UNLESS OTHERWISE STATED)
EMER	EMERGENCY	TYP	TYPICAL
EQUIP	EQUIPMENT		
ERC	ENERGY RECOVERY CHILLER	UH	UNIT HEATER
ERW	ENERGY RECOVERY WHEEL, ALSO REFERRED TO AS A HEAT WHEEL	UV	UNIT VENTILATOR
ERV	ENERGY RECOVERY VENTILATOR		
ET	EXPANSION TANK	V	VENT
EX	EXISTING	VAC	VACUUM
EXH	EXHAUST	VAV	VARIABLE AIR VOLUME
EXP	EXPANSION	VD	VOLUME DAMPER
EXT	EXTERIOR	VEL	VELOCITY (IN FEET PER MINUTE UNLESS OTHERWISE NOTED)
		VFC	VARIABLE FREQUENCY CONTROLLER (OR VFD)
F&T	FLOAT AND THERMOSTATIC TRAP	VHP	VARIABLE REFRIGERANT VOLUME HEAT PUMP UNIT, FOR VRF SYSTEMS
FSD	COMBINATION FIRE/SMOKE DAMPER	VF	VERIFY IN FIELD
FCU	FAN COIL UNIT	VRC	REFRIGERANT SYSTEM CONTROLLER, FOR VRF SYSTEMS
FCV	FAN COIL UNIT, FOR VRF SYSTEMS	VRF	VARIABLE REFRIGERANT FLOW
FD	FIRE DAMPER	VVD	DUAL INLET VARIABLE PRIMARY AIR VOLUME TERMINAL UNIT
FDR	FUEL OIL RETURN	VVR	VARIABLE PRIMARY AIR VOLUME TERMINAL UNIT
FOS	FUEL OIL SUPPLY	VVF	FAN POWERED VARIABLE PRIMARY AIR VOLUME TERMINAL UNIT
FOV	FUEL OIL VENT		
FP	FIRE PROTECTION	W	WATTS
FPW	FEET PER MINUTE	W/	WITH
FR	FILTER RACK	WO	WITHOUT
FE	FEET	WB	WET BULB TEMPERATURE (IN "F, UNLESS OTHERWISE STATED)
FE HD	FEET OF HEAD	WPD	WATER PRESSURE DROP (IN FEET OF HEAD, UNLESS OTHERWISE NOTED)
FT	FEET	WR	WALL REGISTER
FTD	FIN TUBE RADIATION		
G	GAS		
GA	GAUGE		
GAL	GALLONS		
GALV	GALVANIZED		
GC	CONDENSATE PIPING - GRAVITY DRAINAGE		
GF	GLYCOL FEEDER		
GLR	GROUND/GEOTHERMAL LOOP RETURN		
GLS	GROUND/GEOTHERMAL LOOP SUPPLY		
GPM	GALLONS PER MINUTE		
HC	HEATING COIL		
HDC	HEAVY DUTY GRILLE		
HG	REFRIGERANT HOT GAS		
HHR	HEATING HOT WATER RETURN		
HHS	HEATING HOT WATER SUPPLY		
HLR	HIGH LIMIT SWITCH		
HP	HORSEPOWER		
HPR	HEAT PUMP LOOP RETURN		
HPS	HEAT PUMP LOOP SUPPLY		
HPU	HEAT PUMP AIR HANDLING UNIT, AIR OR WATER SOURCE		
HPW	WATER TO WATER HEAT PUMP UNIT		
HVAC	HEATING/VENTILATING/AIR CONDITIONING		
HWP	HEATING HOT WATER PUMP		

	PIPE ELBOW DOWN		PRESSURE/TEMPERATURE PORT, (P/T PORT)
	PIPE ELBOW UP		WATER PRESSURE REDUCING/REGULATING VALVE (PLAN VIEW)
	PIPE TEE BELOW WITH BRANCH ELBOW AT DOWN		WATER PRESSURE RELIEF VALVE (PLAN VIEW)
	PIPE TEE ABOVE BRANCH PIPE BELOW		GAS SHUTOFF COCK
	INDICATES DIRECTION OF DOWNWARD PITCH		LUBRICATED PLUG VALVE
	PIPE EXPANSION U-LOOP (DIMENSIONS SHOWN AS 24"x48")		STEAM PRESSURE REDUCING VALVE
	PIPE EXPANSION Z-LOOP (Z DIMENSION SHOWN AS 24")		GAS PRESSURE REDUCING/REGULATING VALVE
	PIPE EXPANSION L-LOOP (DIMENSIONS NOT SHOWN)		DOUBLE CHECK VALVE, BACKFLOW ASSEMBLY
	PIPE ANCHOR		DOUBLE CHECK VALVE, PRESSURE REDUCING BACKFLOW ASSEMBLY
	PIPE ALIGNMENT GUIDE		ATMOSPHERIC VACUUM BREAKER
	PIPE EXPANSION/COMPRESSION JOINT		PRESSURE VACUUM BREAKER
	STRAINER		STEAM TRAP
	STRAINER, BLOW-OFF VALVE		BLIND FLANGE
	SUCTION DIFFUSER, WITH STRAINER AND DRAIN		HEATING HOT WATER SUPPLY
	SUCTION DIFFUSER, WITH DRAIN AND NO STRAINER		HEATING HOT WATER RETURN
	UNION		CHILLED WATER SUPPLY
	VALVE (REFER TO SECTION 230532 FOR APPROPRIATE TYPE)		CHILLED WATER RETURN
	CHECK VALVE - ARROW SHOWS DIRECTION OF FLOW		NON-POTABLE WATER
	SPRING LOADED CHECK VALVE - ARROW SHOWS DIRECTION OF FLOW		CHILLED BEAM WATER SUPPLY
	MANUAL BALANCING VALVE		CHILLED BEAM WATER RETURN
	MULTIPURPOSE VALVE (TRIPLE DUTY VALVE)		HEAT PUMP LOOP SUPPLY
	AUTOMATIC FLOW CONTROL BALANCING VALVE		HEAT PUMP LOOP RETURN
	PNEUMATIC-OPERATED VALVE		MEDIUM PRESSURE STEAM SUPPLY
	SOLENOID-OPERATED VALVE		LOW PRESSURE STEAM SUPPLY
	MOTOR OPERATED 2-WAY CONTROL VALVE		STEAM CONDENSATE
	MOTOR OPERATED 3-WAY CONTROL VALVE		IN-FLOOR RADIANT PIPING
	MANUAL AIR RELIEF VENT - PIPE TO NEAREST DRAIN		PIPE WITH HEAT TRACING
	AUTOMATIC AIR RELIEF VENT - PIPE TO NEAREST DRAIN		CONDENSER WATER SUPPLY
	FLEXIBLE CONNECTION, RUBBER		CONDENSER WATER RETURN
	FLEXIBLE CONNECTION, BRAIDED		REFRIGERANT LIQUID
	A.S.M.E. PRESSURE RELIEF VALVE - PRESSURE RATING INDICATED IN PSI		REFRIGERANT SUCTION
	FLOW SWITCH		REFRIGERANT HOT GAS
	THERMOMETER, MOUNTED IN THERMOWELL		ICE LOOP WATER SUPPLY
	PRESSURE GAUGE, WITH SHUTOFF VALVE		ICE LOOP WATER RETURN
	TEMPERATURE SENSOR, MOUNTED IN THERMOWELL		PUMPED CONDENSATE
	FLOW METER (RETRACTABLE), WITH SHUTOFF VALVE		GRAVITY CONDENSATE DRAIN
	WATER METER, IN UNITS OF GALLONS PER MINUTE (GPM)		ATMOSPHERIC VENT
	DIFFERENTIAL PRESSURE TRANSMITTER		
	LIQUID LOW LIMIT SWITCH		
	CODED NOTE		
	EQUIPMENT SCHEDULE TAG		
	EQUIPMENT NOTE		
	# - AIR DEVICE TAG (REFER TO DEVICE SCHEDULE) * - DESIGNATIONS DEVICE DESIGNATIONS SHALL BE USED FOR CLARIFICATION PURPOSE IN ANY CONFIGURATION AND MAY NOT BE USED ON EVERY DEVICE		
	- A TWO DIMENSIONAL NOTE SEPARATED BY A "X" INDICATES THE AIR DEVICE SIZE IN INCHES. 24x24 - A SINGLE DIMENSION NOTE INDICATED BOD ELEVATION. 108" - A UNITLESS NUMBER NOTE INDICATES AIR FLOW IN CFM, 400 - A DEGREE SYMBOL INDICATES VANE DEFLECTION. 35°		
	CONNECT NEW TO EXISTING, FIELD VERIFY EXISTING CONDITIONS		
	DISCONNECT FROM EXISTING, FIELD VERIFY EXISTING CONDITIONS		
	DETAIL REFERENCE BUBBLE		
	SECTION REFERENCE BUBBLE		
	* - SENSOR DESIGNATION C - CARBON DIOXIDE SENSOR E - ELECTRIC H - HUMIDITY SENSOR G - INSTALL PROTECTIVE WALL GUARD P - STATIC PRESSURE SENSOR R - REVERSE ACTING S - TEMPERATURE SENSOR T - TEMPERATURE THERMOSTAT		DUCT OR EQUIPMENT MOUNTED TEMPERATURE SENSOR
	SENSOR WITH PROTECTIVE WALL GUARD *APPROPRIATE SENSOR WILL BE SIGNED		DUCT OR EQUIPMENT MOUNTED HUMIDITY SENSOR
			DUCT OR EQUIPMENT MOUNTED CARBON DIOXIDE SENSOR
			DUCT OR EQUIPMENT MOUNTED DIFFERENTIAL PRESSURE SENSOR AS COMPARED WITH ATMOSPHERIC CONDITIONS
			DUCT OR EQUIPMENT MOUNTED DIFFERENTIAL PRESSURE SENSOR MONITORING INTERNAL SYSTEM LOSS
			DUCT OR EQUIPMENT MOUNTED LOW TEMPERATURE SENSOR
			DUCT OR EQUIPMENT MOUNTED HIGH TEMPERATURE SENSOR

MECHANICAL SYMBOLS

	RECTANGULAR DUCT SUPPLY AIR ELBOW UP/DOWN
	RECTANGULAR DUCT RETURN/EXHAUST AIR ELBOW UP/DOWN
	RECTANGULAR MITERED ELBOW, RADIUS (R) = 0" ALL MITERED ELBOWS ARE TO CONTAIN TURNING VANES UNLESS OTHERWISE NOTED. REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	90° RECTANGULAR DUCT ELEVATION TRANSITION
	RECTANGULAR DUCT ELEVATION TRANSITION. APPROPRIATE ANGULAR DIMENSIONS TO BE COORDINATED BY THE CONTRACTOR
	RECTANGULAR DUCT TOP OR BOTTOM TRANSITION
	RECTANGULAR DUCT MULTI-SIDE TRANSITION MINIMUM SLOPE = 15° MAXIMUM SLOPE = 45° SIDE WITH MAXIMUM SLOPE DETERMINES FITTING LENGTH. REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	RECTANGULAR DUCT SINGLE SIDE TRANSITION MINIMUM SLOPE = 15° MAXIMUM SLOPE = 45° REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	RECTANGULAR TO SPIRAL DUCT TRANSITION REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	OVAL TO SPIRAL DUCT TRANSITION REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	OVAL TO SPIRAL DUCT TRANSITION REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	SPIRAL DUCT ELBOW UP/DOWN
	SPIRAL DUCT ELEVATION TRANSITION. APPROPRIATE ANGULAR DIMENSIONS TO BE COORDINATED BY THE CONTRACTOR.
	STANDARD RECTANGULAR ELBOW, RADIUS (R) = DUCT DIAMETER REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	STANDARD SPIRAL ELBOW, RADIUS (R) = 1.5 x DUCT DIAMETER REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	SPIRAL MITERED ELBOW, RADIUS (R) = 0" ALL MITERED ELBOWS ARE TO CONTAIN TURNING VANES UNLESS OTHERWISE NOTED. REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION DETAILS.
	MAIN TO BRANCH TAKEOFFS FOR DUCT INSTALLATIONS SERVING MULTIPLE AIR DEVICES, INSTALL BALANCING DAMPERS AFTER THE BRANCH TAKEOFFS SERVING SINGLE AIR DEVICES. SEVERAL TYPES OF TAKEOFFS ARE AVAILABLE. SELECT THE TAKEOFF AS INDICATED ON THE PLAN DRAWINGS. *TAPS MAY BE UTILIZED WITH VARIOUS TAKEOFF ANGLES OTHER THAN 90 DEGREES FROM THE MAIN. REFER TO PLANS FOR INDICATION.
	ACCOUSTICALLY LINED DUCT REFER TO PROJECT SPECIFICATIONS FOR DUCT INSTALLATION REQUIREMENTS. DIMENSIONS SHOWN INDICATED FREE AREA, INSIDE DUCT MEASUREMENTS.
	DUCT MOUNTED AIR VOLUME BALANCING DAMPER REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION AND INSTALLATION DETAILS. AS SYMBOLIZED WITH OR WITHOUT NOTATION.
	DUCT MOUNTED COUNTER WEIGHTED BACK DRAFT DAMPER REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION AND INSTALLATION DETAILS.
	FIRE DAMPER FD INDICATES FIRE DAMPER; ADDITIONAL DESIGNATIONS MAY ALSO BE USED, SUCH AS A NUMBER TO INDICATE THE RATING OF THE FIRE DAMPER, FOR 2 OR 3 HOUR DAMPERS, AND/OR THE LETTER INDICATING THE TYPE OR STYLE OF A FIRE DAMPER, OF TYPES A, B, OR C.
	WALL MOUNTED SMOKE DAMPER REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION AND INSTALLATION DETAILS.
	WALL MOUNTED COMBINATION FIRE/SMOKE DAMPER REFER TO PROJECT SPECIFICATIONS FOR CONSTRUCTION AND INSTALLATION DETAILS.
	MOTOR OPERATED DAMPER REFER TO SPECIFICATION SECTION 230900 FOR INSTALLATION REQUIREMENTS. DAMPERS TO BE SIZED TO INSIDE DUCT DIMENSIONS. DAMPER SHALL BE OPPOSED BLADE UNLESS OTHERWISE NOTED.
	DUCT OR EQUIPMENT MOUNTED TEMPERATURE SENSOR
	DUCT OR EQUIPMENT MOUNTED HUMIDITY SENSOR
	DUCT OR EQUIPMENT MOUNTED CARBON DIOXIDE SENSOR
	DUCT OR EQUIPMENT MOUNTED DIFFERENTIAL PRESSURE SENSOR AS COMPARED WITH ATMOSPHERIC CONDITIONS
	DUCT OR EQUIPMENT MOUNTED DIFFERENTIAL PRESSURE SENSOR MONITORING INTERNAL SYSTEM LOSS
	DUCT OR EQUIPMENT MOUNTED LOW TEMPERATURE SENSOR
	DUCT OR EQUIPMENT MOUNTED HIGH TEMPERATURE SENSOR

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3200 Union Metro Place, Suite 350, Dublin, Ohio 43017

CONSTRUCTION DOCUMENTS



PROJECT MANAGER: MM

DRAWN BY: JVL

PROJECT NUMBER: 225079.00

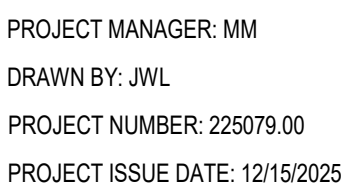
PROJECT ISSUE DATE: 12/15/2025

REV. NO.	DESCRIPTION	DATE

8300 HYLAND CROY ROAD
DUBLIN, OH 43016

ARCHITECT

614-764-4661 WWW.FHAI.COM
5200 Upper Metro Place, Suite 350, Dublin, Ohio 43017



FIRST FLOOR DEMOLITION - UNIT A

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

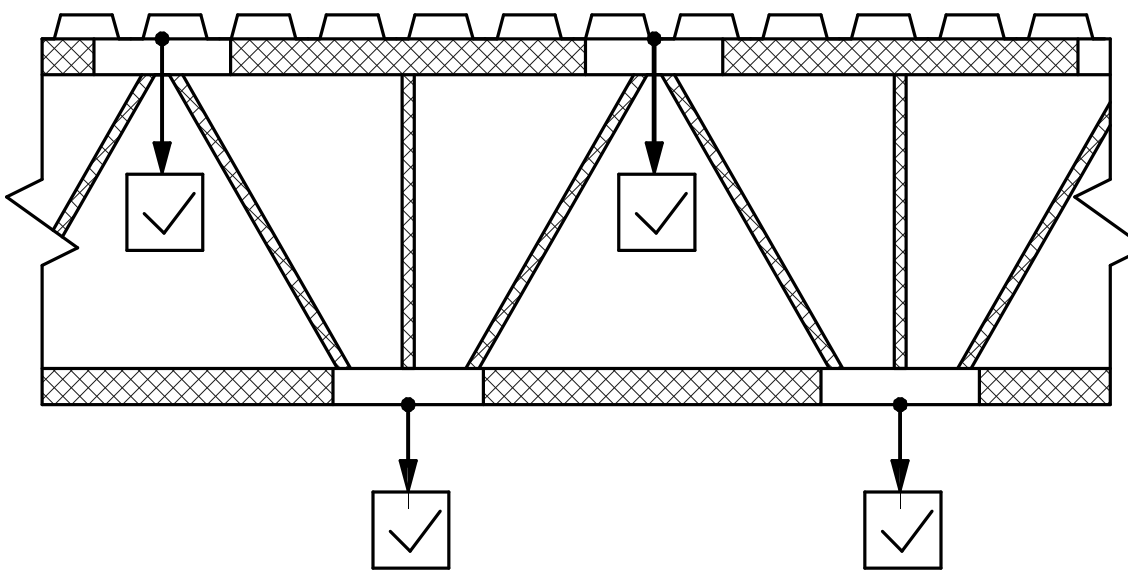
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SCALE: 1/8" = 1'-0"

2

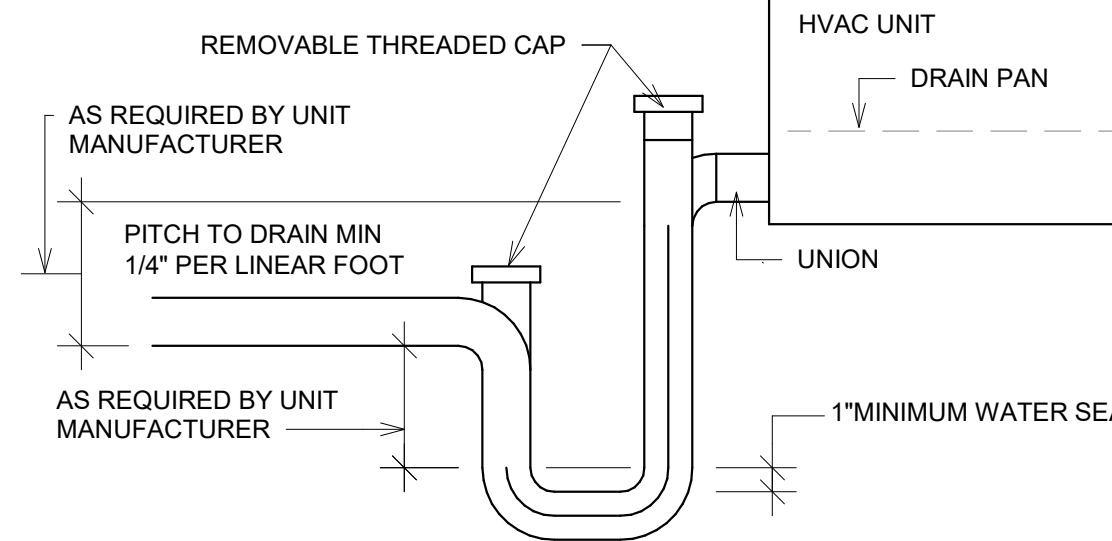
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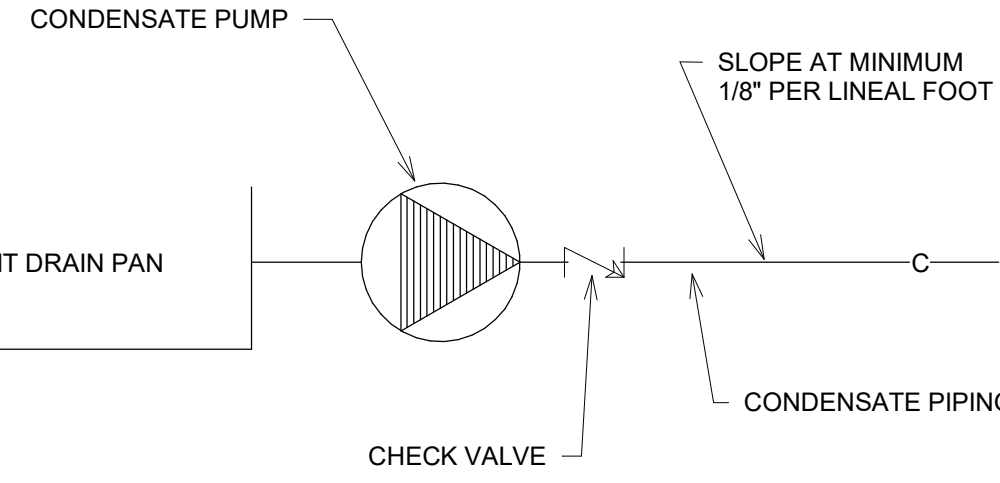


- ALL LOADS IN EXCESS OF 100 LBS MAY ONLY BE HUNG FROM STEEL JOISTS AT THE LOCATIONS INDICATED WITH A CHECK MARK.
- LOADS IN EXCESS OF 100 LBS ARE NOT TO BE HUNG FROM THE CROSS HATCHED REGIONS UNLESS ADDITIONAL WEB REINFORCING MEMBERS ARE INSTALLED PER STRUCTURAL DRAWINGS.
- THIS SECTION APPLIES TO LOADS HUNG FROM BOTH NEW AND EXISTING JOISTS.
- SPACE HANGERS OUT SO THAT NOT ALL HANGERS ARE ATTACHED TO THE SAME JOIST.

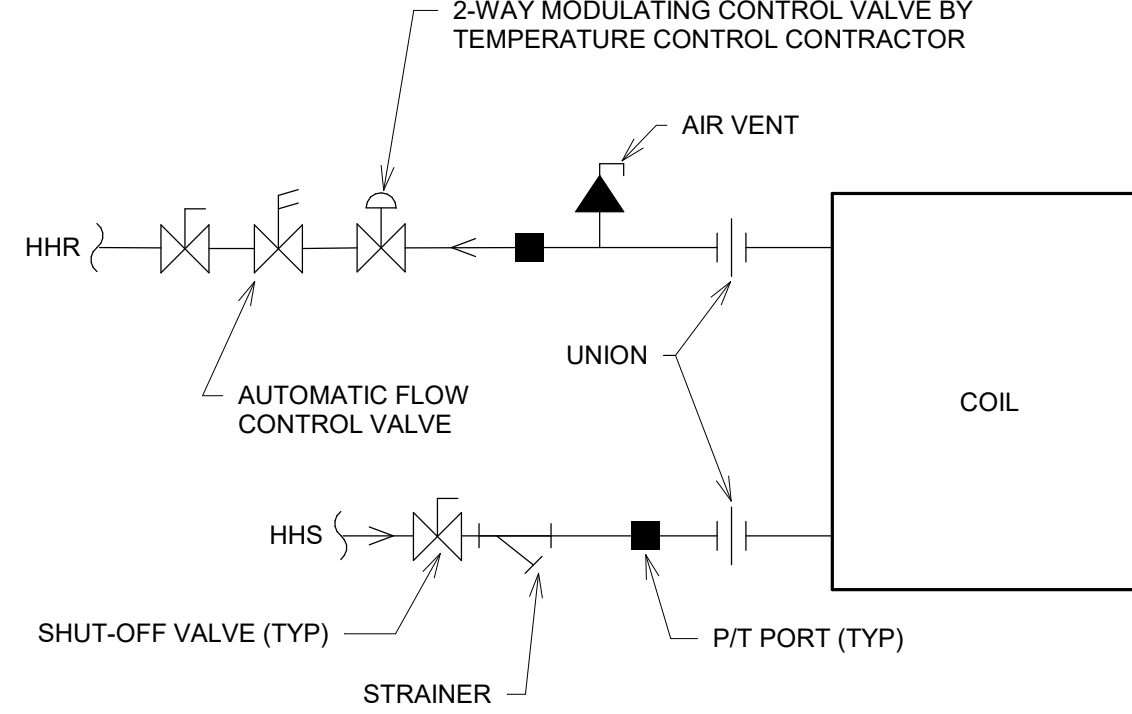
3
N.T.S.
ACCEPTABLE LOCATION TO HANG LOADS FROM STEEL JOISTS



4
N.T.S.
CONDENSATE TRAP PIPING DIAGRAM



5
N.T.S.
CONDENSATE PUMP/PIPE DETAIL



6
N.T.S.
FAN COIL HHW PIPING DIAGRAM

ROOM LEGEND - MASTER LIST		
ROOM NO.	ROOM NAME	AREA (SF)
1633	CORRIDOR	172 SF
1635	SUPPLIES	106 SF
1636	WEIGHT TRAINING	2807 SF
1637	TREATMENT	1146 SF
1638	OFFICE	171 SF
1639	STORAGE	70 SF
1643	STORAGE	324 SF
1644	WEIGHT TRAINING/STORAGE	1165 SF
2601	PENTHOUSE	3111 SF

MECHANICAL PLAN GENERAL NOTES

- ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
- REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
- ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
- PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER.
- INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 4' ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
- COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT.
- PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
- ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.
- HYDRONIC SUPPLY AND RETURN PIPING SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.

MECHANICAL PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

- BASE BID: EXISTING DIFFUSER SHALL BE REINSTALLED IN EXISTING CEILING AT THIS APPROXIMATE LOCATION. PROVIDE AND INSTALL NEW FLEX DUCTWORK AS REQUIRED TO CONNECT TO EXISTING DIFFUSER. PAINT EXISTING DIFFUSERS BLACK TO MATCH NEWLY PAINTED, EXISTING CEILING. ALTERNATE: EXISTING DIFFUSER SHALL BE REINSTALLED IN NEW CEILING AT THIS APPROXIMATE LOCATION. PROVIDE AND INSTALL NEW FLEX DUCTWORK AS REQUIRED TO CONNECT TO EXISTING DIFFUSER. PAINT EXISTING DIFFUSERS BLACK TO MATCH NEW CEILING.
- BALANCE VOLUME DAMPER TO CFM SHOWN. INSTALL NEW BALANCE DAMPER IF THERE IS NO EXISTING DAMPER CURRENTLY INSTALLED.
- PROVIDE AND INSTALL NEW HUMIDITY ROOM SENSOR AT THIS APPROXIMATE LOCATION. THE EXISTING BAS AND SHALL BE TIED INTO THE OPERATION OF EXISTING AHU-7 (REFER TO SEQUENCE OF OPERATIONS). SURFACE MOUNT SENSOR ON EXISTING WALL.
- PROVIDE AND INSTALL NEW HUMIDITY DUCT SENSOR AT THIS APPROXIMATE LOCATION WITHIN THE RETURN AIR DUCT. SENSOR SHALL BE INTEGRATED INTO THE EXISTING BAS AND SHALL BE TIED INTO THE OPERATION OF EXISTING AHU-7. REFER TO SEQUENCE OF OPERATIONS.
- BALANCE EXISTING TERMINAL BOX TO NOTED CFM.
- BALANCE EXISTING TERMINAL BOX COIL TO NOTED GPM.
- THE NEW HEATING WATER PIPING INTO EXISTING HEATING WATER PIPING AT THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS. REINSULATE EXISTING PIPING AS REQUIRED.
- ROUTE REFRIGERANT PIPING DOWN TO FLOOR BELOW. SEAL FLOOR PENETRATION WATER TIGHT. COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS.
- CONDENSATE DRAIN PIPING WITH WATER SEAL TRAP FROM UNIT TO NEAREST FLOOR DRAIN. CUT END OF PIPE AT 45 DEGREE ANGLE. CONDENSATE DRAIN PIPING AND TRAP SIZED PER MANUFACTURERS REQUIREMENTS. REFER TO DETAIL. COORDINATE ROUTING WITH EXISTING CONDITIONS AND THE OWNER.
- REPAIR DAMAGED DUCT INSULATION AT THIS APPROXIMATE LOCATION.
- CONDENSATE DRAIN PIPING WITH WATER SEAL TRAP FROM UNIT UP THROUGH MECHANICAL PENTHOUSE FLOOR AND ROUTED TO NEAREST FLOOR DRAIN. SEAL MECHANICAL PENTHOUSE FLOOR PENETRATION WATER TIGHT. CUT END OF PIPE AT 45 DEGREE ANGLE. CONDENSATE DRAIN PIPING AND TRAP SIZED PER MANUFACTURERS REQUIREMENTS. REFER TO DETAIL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND THE OWNER.
- MOUNT CONDENSING UNIT ON ROOF USING PREFABRICATED SUPPORTS. REFER TO SPECIFICATION SECTION 230529. MAINTAIN EXISTING ROOF WARRANTY. COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS AND WITH THE OWNER.
- END OF DUCT OPEN TO PLENUM SPACE ABOVE CEILING. OPENING TO BE PROTECTED WITH BIRDSCREEN.
- ALL INDOOR AND OUTDOOR REFRIGERANT PIPING TO BE INSULATED THE ENTIRE LENGTH PER THE PROJECT MANUAL. COVER ALL OUTDOOR PIPING FITTINGS AND INSULATION WITH PVC JACKET. UTILIZE INSULATED SUPPORT COLLARS WHEN USING PIPE CLAMP SUPPORTS TO PROVIDE CONTINUOUS INSULATION OF PIPING.
- ROUTE REFRIGERANT PIPING FROM OUTDOOR CONDENSING UNIT TO INDOOR FAN COIL UNIT. REFRIGERANT LINES SIZE AND QUANTITY PER UNIT MANUFACTURER. PENETRATE EXTERIOR WALL AND SEAL WATERTIGHT. INSTALL PIPE SLEEVE TO PERMIT INSTALLATION OF FULL-THICKNESS INSULATION. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS.
- UNIT MANUFACTURERS REQUIRED CLEARANCE AROUND MECHANICAL EQUIPMENT. COORDINATE EXACT LOCATION OF THE UNIT WITH EXISTING CONDITIONS.
- WALL OPENING LOCATED ABOVE THE CEILING. IF OPENING SIZE IS UNABLE TO BE ACCOMMODATED, THE SAME QUANTITY OF OPENING FREE AREA WILL BE ACCEPTABLE TO ACCOMMODATE AIR TRANSFER. COORDINATE EXACT LOCATION WITH ALL TRADES.
- FAN COIL UNIT THERMOSTAT, SURFACE MOUNTED TO THE EXISTING WALL AT THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS.
- FAN COIL UNIT HUMIDITY SENSOR, SURFACE MOUNTED TO THE EXISTING WALL AT THIS APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS.
- EXISTING DIFFUSER SHALL BE REINSTALLED AT THIS APPROXIMATE LOCATION. PROVIDE AND INSTALL NEW FLEX DUCTWORK AS REQUIRED TO CONNECT TO EXISTING DIFFUSER. MOUNT AT A MINIMUM OF 8'-0" AFF. COORDINATE EXACT LOCATION AND ELEVATION WITH EXISTING CONDITIONS. PAINT DIFFUSER TO COLOR SELECTED BY THE ARCHITECT.
- VERIFY EXISTING PIPE SIZE IS 1" DIAMETER. IF PIPING IS NOT 1" DIAMETER, CONNECT NEW PIPING TO EXISTING 1" DIAMETER (OR LARGER) PIPING UPSTREAM OF CURRENT LOCATION.

VERIFICATION NOTE

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SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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DUBLIN JEROME WEIGHT ROOM RENOVATION

8300 HYLAND CROY ROAD
DUBLIN, OH 43016

DUBLIN CITY SCHOOLS

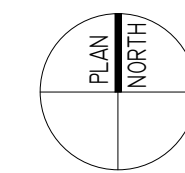
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CONSTRUCTION DOCUMENTS



PROJECT MANAGER: MM

DRAWN BY: JWL

PROJECT NUMBER: 225079.00

PROJECT ISSUE DATE: 12/15/2025

REV. NO.	DESCRIPTION	DATE

FIRST FLOOR MECHANICAL PLAN - UNIT A

M2.01

DIFFUSER, REGISTER AND GRILLE SCHEDULE									
MARK	TYPE	EXAMPLE MANUFACTURER MODEL NO.	NECK SIZE (IN)	DIFFUSER SIZE LxW (IN)	MAX CORE/NECK VEL.(FPM)	MAX CFM	MAX NG	FRAME/MOUNTING	REMARKS
A	SQUARE PLAQUE CEILING DIFFUSER	TITUS OMNI	8	24X24	900	300	20	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSER, UNLESS INDICATED OTHERWISE ON DRAWINGS.
B	SQUARE PLAQUE CEILING DIFFUSER	TITUS OMNI	12	24X24	800	625	23	REFER TO REFLECTED CEILING PLAN	4-WAY BLOW DIFFUSER, UNLESS INDICATED OTHERWISE ON DRAWINGS.
C	RETURN/AIR TRANSFER GRILLE	TITUS 355-FL	22X22	24X24	500	1250	20	REFER TO REFLECTED CEILING PLAN	PROVIDE ALUMINUM SURFACE MOUNT BORDERS FOR DUCTED INSTALLATIONS.

FAN COIL UNIT SCHEDULE																											
IDENTITY DATA				ELECTRICAL				FAN				COOLING (DX - R32)				HEATING (HEATING WATER)											
MARK	MANUFACTURER	MODEL	AREA SERVED	VOLT.	PH.	MCA (A)	MROPD (A)	FLA (A)	AIRFLOW (CFM)	HP	BHP	ESP	FEI	TOT. CAP. (BTU/H)	SENS. CAP. (BTU/H)	EAT DB (°F)	LAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TOT. CAP. (BTU/H)	EAT DB (°F)	LAT DB (°F)	EWT (°F)	LWT (°F)	GPM	WPD (FT H2O)	WEIGHT (LBS)
FCU-1	DAIKIN	BCHD0101	1636 - WEIGHT TRAINING	115	1	11.0	15.0	8.8	1200	3/4	0.65	0.30	1.163	44447	26214	75	67	55	55	39339	55	85	200.0	119.3	1.0	0.35	357
FCU-2	DAIKIN	BCHD0081	1644 - WEIGHT TRAINING/STORAGE	115	1	5.5	15.0	4.4	600	1/3	0.14	0.25	2.327	23807	13781	75	67	54	54	34546	55	108	200.0	129.5	1.0	5.30	284

NOTES:

- DIRECT DRIVE, ECM FAN.
- 120V1 CONDENSATE PUMP SHALL BE PROVIDED BY DIVISION 23 AND POWERED OFF THE FAN COIL UNIT. REFER TO PROJECT MANUAL, SECTION 236219. UNIT PROVIDED WITH FACTORY OVERFLOW SWITCH.
- UNIT INCLUDED WITH FACTORY MOUNTED DISCONNECT SWITCH.
- SUPPORT UNIT FROM STRUCTURE ABOVE WITH SUPPLEMENTAL STEEL, THREADED RODS, AND VIBRATION ISOLATION. UNIT SHALL BE INSTALLED WITHIN 24" OF THE CEILING GRID. COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS.
- EVAPORATOR SECTION COMPLETE WITH COIL, THERMOSTATIC EXPANSION VALVE AND FILTER DRIER.

NOTES:

- UNIT SHALL BE COMPLETE WITH REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- REFER TO PROJECT MANUAL SECTION 236219.
- UNIT PROVIDED WITH MANAGER CARD. UNIT SHALL BE INTEGRATED INTO THE EXISTING BUILDING AUTOMATION SYSTEM.
- UNIT PROVIDED WITH THERMOSTAT, HUMIDITY SENSOR AND SUPPLY AND RETURN AIR TEMPERATURE SENSORS.
- HEATING COIL TO BE IN THE REHEAT POSITION.
- UNIT TO BE HORIZONTAL DUCTED UNIT. RETURN AND SUPPLY CONNECTIONS ONLY.

AIR COOLED CONDENSING UNIT SCHEDULE									
MARK	UNIT SERVED	MODEL	NOMINAL TONS	MOP	MCA	ELECTRICAL SERVICE	EER2	SEER2	WEIGHT (LBS)
CU-1	FCU-1	DC3SEN4210	3.5	30	19.4	208/1	11.2	13.4	200
CU-2	FCU-2	DC3SEN2410	2	15	13.5	208/1	11.2	13.4	142

NOTES:

- INSTALL REFRIGERANT PIPING PER MANUFACTURER'S REQUIREMENTS.
- DISCONNECT SWITCH PROVIDED AND INSTALLED BY DIVISION 26.
- UNIT SCHEDULED AS MANUFACTURED BY DAIKIN.
- UNIT SELECTED WITH R32 REFRIGERANT.
- PROVIDED WITH LOW AMBIENT KIT FOR COOLING DOWN TO 0°F.
- INCLUDE THE FOLLOWING ACCESSORIES FOR THE OUTDOOR UNIT: PROTECTIVE COIL GUARDS, PHASE LOSS/VOLTAGE PROTECTION, STANDARD AMBIENT CONTROL AND VIBRATION ISOLATORS.
- CONDENSER SHALL BE ROOF MOUNTED ON PREFABRICATED EQUIPMENT SUPPORTS. REFER TO SECTION 230529.
- REFER TO SPECIFICATION SECTION 236200.
- SINGLE STAGE, COOLING ONLY UNIT.

ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS,
INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

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SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO BOTTOM
	CONDUIT CONCEALED ABOVE CEILING OR ON WALL	
	CONDUIT CONCEALED IN OR BELOW FLOOR, OR UNDER GROUND	
	20 AMP, 125 VOLT, NEMA 5-20R DUPLEX RECEPTACLE WITH COMMON COVER PLATE MOUNTED VERTICALLY *16" TO BOTTOM LETTER(S) IN FRONT INDICATES LOAD TYPE. SEE BELOW. SINGLE LINE INDICATES HORIZONTAL MOUNTING. DOUBLE LINE INDICATE QUAD. DARK CENTER INDICATES ABOVE COUNTERTOP MOUNTING (44") NEMA 5-20R. UNO CIRCUIT NUMBER (6) "1AL-1X" ADJACENT TO THE SYMBOL. ON PLANS INDICATES PANELBOARD CIRCUIT NUMBER SERVING RECEPTACLE. UNO ALL RECEPTABLES SHALL BE TAMPER-RESISTANT TYPE.	
	TEACHER'S WARDROBE CASEWORK AV EQUIPMENT RECEPTACLE *84" AFF. LOCATE RECEPTACLE WITHIN CUT-OUT AREA IN BACK PANEL OF CASEWORK. REFER TO APP. CABLE DETAILS ON THE "A" SERIES DRAWINGS.	
	COPY MACHINE. PROVIDE GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE.	
	COPY RECEPTACLE AND STAINLESS COVER PLATE. CONNECT TO LIFE-SAFETY EMERGENCY POWER SYSTEM.	
	GROUND FAULT CIRCUIT INTERRUPTING TYPE. PROVIDE GFCI PROTECTION VIA THROUGH FEED WIRING FROM NEARBY GFCI CONVENIENCE RECEPTACLE ON SAME CIRCUIT. LABEL WALL PLATE "GFCI PROTECTED".	
	MICROWAVE. PROVIDE GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE.	
	REF. REFRIGERATOR *56" AFF. FEED FROM 5 mA GFCI BREAKER IN PANELBOARD UNO.	
	RECEPTACLE AND STAINLESS COVER PLATE. CONNECT TO STANDBY POWER SYSTEM CIRCUIT.	
	TAMPER RESISTANT DUPLEX RECEPTACLE WITH (2) USH CARGER PORTS.	
	UNDER COUNTER REFRIGERATOR. FEED FROM 5 mA GFCI BREAKER IN PANELBOARD.	
	VENDING MACHINE. FEED FROM 5 mA GFCI BREAKER IN PANELBOARD.	
	WALL MOUNTED VIDEO PROJECTOR. 86" AFF. UNO.	
	WET ELECTRIC WATER COOLER. FEED FROM 5 mA GFCI BREAKER IN PANELBOARD. COORDINATE LOCATION WITH SUPPLIED WATER COOLER MANUFACTURER'S RECOMMENDATIONS.	
	WASH-OUT/ANTYVANDER. PROVIDE GFCI PROTECTION VIA THROUGH FEED GFCI CONVENIENCE RECEPTACLE ON SAME CIRCUIT. COORDINATE RECEPTACLE LOCATION WITH WASH-OUT/ANTYVANDER ENCLOSURE WITH SUPPLIED WASH-OUT/ANTYVANDER MANUFACTURER'S RECOMMENDATIONS PRIOR TO RIG-UP.	
	WASHING MACHINE. FEED FROM 5 mA GFCI BREAKER IN PANELBOARD.	
	WEATHER RESISTANT GFCI RECEPTACLE WITH IN-USE TYPE WEATHERPROOF COVER HINGED AT TOP.	
	20 AMP SINGLE RECEPTACLE. NEMA 5-20R, UNO	16"
	SINGLE STRAIGHT BLADE RECEPTACLE. 30A, 125 VOLT, NEMA 5-30R	16"
	LAPTOP/TABLET CHARGING CIRT RECEPTACLE. 20 AMP DUPLEX RECEPTACLE. NEMA 5-20R, UNO. LABEL WALL PLATE "LAPTOP/TABLET CHARGING CIRT."	16"
	20 AMP DUPLEX RECEPTACLE FLUSH CEILING MOUNTED, NEMA 5-20R	CLG
	SINGLE FLUSH BOX WITH FOUR USH CHARGING PORTS, WITH DECORA STYLE COVER PLATE. MOUNTED ABOVE COUNTERTOP HEIGHT. UNO	44"
	SPECIAL POWER RECEPTACLE. AMPS, VOLTS AND NEMA CONFIGURATION AS DEFINED ON PLANS BY NOTE.	16" OR PER PLANS
	SINGLE STRAIGHT BLADE, SPECIAL RECEPTACLE. 20A, 125/250 VOLT, 3P, 4W, NEMA 14-20R	16"
	WELDING RECEPTACLE FOR MIG OR TIG WELDER TYPE AS INDICATED. 60A, 600 VOLT, 3P, 4W, TWIST-LOCK RECEPTACLE AND MAXIMUM PLUS HUBBELL CATALOG NO. INDICATED OR EQUAL. OTHER SPECIFIED WIRING DEVICES (WIRING DEVICES). RECEPTACLE: HUBBELL CATALOG NO. HBL26418. MATING PLUS: HUBBELL CATALOG NO. HBL26419	PER PLANS
	SINGLE STRAIGHT BLADE, RANGE RECEPTACLE. 50A, 125/250 VOLT, 3P, 4W, NEMA 14-50R. FIELD WIRE RANGE POWER CORD SUPPLIED WITH RANGE PER SUPPLIED RANGE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR CONNECTION TO A 4-WIRE SYSTEM.	8"
	SINGLE STRAIGHT BLADE, GROUNDED DRYER RECEPTACLE. 30A, 125/250 VOLT, 3P, 4W, NEMA 14-30R	32"
	30 AMP, 120 VOLT, SINGLE TWIST-LOCK RECEPTACLE. UNO, NEMA 15-30R	16", UNO
	FLUSH MOUNTED FLOOR BOX WITH 20 AMP DUPLEX OR DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, UNO. REFER TO PLANS FOR SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. REFER TO "I" SERIES DRAWINGS FOR COMMUNICATIONS CORD REQUIREMENTS FOR FLOOR BOXES INDICATED ON PLANS THAT ALSO CONTAIN DATA OUTLETS.	-
	FIRE RATED POKER-THROUGH ASSEMBLY. FLUSH MOUNTED WITH 20 AMP DUPLEX OR DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, UNO. REFER TO SPECIFICATIONS FOR REQUIREMENTS. PROVIDE "1" CONDUIT WITH PULL-STRING AND BUSHED END FROM COMMUNICATIONS COMPARTMENT TO NEAREST WALL TO STUB-ABOVE CEILING FOR COMMUNICATIONS CABLEING.	-
	20 AMP DUPLEX RECEPTACLE IN PEDESTAL. MOUNTED ABOVE FLOOR SERVICE FITTING, NEMA 5-20R. REFER TO SPECIFICATIONS FOR REQUIREMENTS.	-
	HIGH CAPACITY FLOOR BOX. FLUSH FLOOR MOUNTED WITH 4 DUPLEX RECEPTABLES. NEMA 5-20R, UNO. FOR POWER AND DATA. REFER TO SPECIFICATIONS FOR REQUIREMENTS. REFER TO "I" SERIES DRAWINGS FOR COMMUNICATIONS CORD REQUIREMENTS.	-
	COMMUNICATIONS/POWER POLE PRE-WIRED WITH 2 DUPLEX RECEPTABLES, WITH TWO J BOX ABOVE CEILING. REFER TO SPECIFICATIONS FOR REQUIREMENTS.	-
	CORD REEL WITH TRIPLEX RECEPTACLE WITH INTEGRAL CIRCUIT BREAKER. REFER TO PROJECT MANUAL SECTION 26 27 26 FOR REQUIREMENTS. MOUNT TO STRUCTURE IN SPACES WITH EXPOSED STRUCTURE. MOUNT ON CEILING IN SPACES WITH A FINISHED CEILING. PROVIDE MOUNTINGS/SUPPORT FOR CORD REEL INDEPENDENT OF CEILING SYSTEM FOR LOCATION IN ROOMS WITH A CEILING. ADJUST CORD STOP FOR RECEPTACLE HEIGHT INDICATED IN THIS LEGEND. UNO. PROVIDE A NEMA 5-15R RECEPTACLE FOR CORD REEL INPUT POWER PLUG CONNECTION LOCATED WITHIN 1'20" OF CORD REEL LOCATION. INSTALL INFLU POWER RECEPTACLE FLUSH IN FINISHED CEILING FOR LOCATION IN ROOMS WITH A CEILING.	78" (RECEIPT. HEIGHT)
	HEAVY-DUTY CORD REEL WITH TWO (2) GFCI TYPE NEMA 5-20R DUPLEX RECEPTABLES MOUNTED BACK-TO-BACK IN PORTABLE W/OUTLET BOX WITH SPRING-HINGE OUTLET COVERS. REFER TO PROJECT MANUAL, SECTION 26 27 26 FOR REQUIREMENTS. MOUNT TO STRUCTURE IN SPACES WITH EXPOSED STRUCTURE. MOUNT ON CEILING IN SPACES WITH A FINISHED CEILING. PROVIDE MOUNTINGS/SUPPORT FOR CORD REEL INDEPENDENT OF CEILING SYSTEM FOR LOCATION IN ROOMS WITH A CEILING. SET CORD DROP LENGTH AS REQUIRED FOR RECEPTACLE HEIGHT INDICATED IN THIS LEGEND. UNO	84" (RECEIPT. HEIGHT)
	2 CHANNEL MULTIOUTLET SURFACE RACEWAY ASSEMBLY WITH DUPLEX RECEPTABLES AND DATA OUTLETS. SEE TECHNOLOGY DRAWINGS. QUANTITY AS SHOWN OR PER SPEC.	-
	SINGLE CHANNEL MULTIOUTLET SURFACE RACEWAY PRE-WIRED ASSEMBLY WITH SINGLE RECEPTABLES. QUANTITY PER SPEC.	-

SYMBOL	DESCRIPTION	MH
	ROUND INDICATES CEILING MOUNTED. SQUARE INDICATES DUCT MOUNTED. PHOTOELECTRIC SMOKE DETECTOR	CLG
	VOICE/ALARM COMMUNICATION AUDIBLE AND VISIBLE NOTIFICATION APPLIANCE (SPEAKER/STROBE), CEILING MOUNTED, EXTRA LINE INDICATES WALL MOUNTING AT 80° AFF	CLG

SYMBOL	DESCRIPTION	MH
	DISTRIBUTION PANEL. SEE ONE LINE DIAGRAM	-
	SURFACE CIRCUIT BREAKER PANELBOARD. SEE ONE LINE DIAGRAM	-
	FLUSH MOUNTED CIRCUIT BREAKER PANELBOARD. SEE ONE LINE DIAGRAM	-
	UTILITY METER	-
	PUSH BUTTON STATION, TYPE INDICATED	44"
	PUSH BUTTON STATION, ON/OFF	44"
	PUSH BUTTON STATION, UP/DOWN/STOP	44"
	RECESSED ADA PUSH BUTTON FOR AUTOMATIC DOOR OPERATOR, FURNISHED BY OTHERS, INSTALLED BY DIV. 26	40"
	RED MUSHROOM ABORT SWITCH, WALL MOUNTED	44"
	PHOTOCELL AIMED NORTH	-
	RECESSED WALL BOX FOR HAIR DRYER. CIRCUIT WITH 2410, #10G IN 3/4" C TO PANEL INDICATED. REFER TO ARCH PLANS FOR MOUNTING HEIGHT AT EACH LOCATION.	-
	RECESSED WALL BOX FOR HAND DRYER. CIRCUIT WITH 2410, #10G IN 3/4" C TO PANEL INDICATED. REFER TO ARCH PLANS FOR MOUNTING HEIGHT AT EACH LOCATION. PROVIDE A NON-REMOVABLE, PAD-LOCKABLE HANDLE LOCK ON BRANCH CIRCUIT BREAKER IN THE PANELBOARD SERVING HAND DRYER AS THE EQUIPMENT DISCONNECTING MEANS.	-
	CIRCUIT BREAKER DISCONNECT SWITCH, 30A - 3 POLE, UNO	48"
	NON-FUSED DISCONNECT, 3 POLE, NEMA 1, UNO. 30 AMP UNO. -JWP SUFFIX DESIGNATES NEMA 3R ENCLOSURE. -JWPA SUFFIX DESIGNATES NEMA 4X STAINLESS STEEL ENCLOSURE.	48"
	FUSED DISCONNECT, 3 POLE, NEMA 1, UNO. 30 AMP UNO. -JWP SUFFIX DESIGNATES NEMA 3R ENCLOSURE. -JWPA SUFFIX DESIGNATES NEMA 4X STAINLESS STEEL ENCLOSURE.	48"
	MAGNETIC MOTOR CONTROLLER (STARTER), 30 AMP - 3 POLE, UNO, WITH H.O.A. SWITCH AND RED PILOT LIGHT (RUNNING). PROVIDE NEMA SIZE 1 STARTER, UNLESS OTHERWISE REQUIRED FOR SIZE OF MOTOR SERVED. REFER TO PROJECT MANUAL, SECTION 26.29.13 FOR ADDITIONAL REQUIREMENTS.	48" UNO
	COMBINATION MAGNETIC MOTOR STARTER, WITH 30 AMP - 3 POLE CIRCUIT BREAKER DISCONNECT SWITCH, NEMA SIZE 1, UNO WITH H.O.A. SWITCH AND RED PILOT LIGHT (RUNNING).	48"
	COMBINATION MAGNETIC MOTOR STARTER, WITH 30 AMP - 3 POLE MOTOR CIRCUIT PROTECTOR (MCP) DISCONNECT SWITCH, NEMA SIZE 1, UNO WITH H.O.A. SWITCH AND RED PILOT LIGHT (RUNNING).	48"
	COMBINATION MAGNETIC MOTOR CONTROLLER (STARTER), WITH 30 AMP - 3 POLE FUSED DISCONNECT SWITCH, UNO, WITH H.O.A. SWITCH AND RED PILOT LIGHT (RUNNING). PROVIDE NEMA SIZE 1 STARTER, UNLESS OTHERWISE REQUIRED FOR SIZE OF MOTOR SERVED. REFER TO PROJECT MANUAL, SECTION 26.29.13 FOR ADDITIONAL REQUIREMENTS.	48"
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION AND PILOT LIGHT, UNO. FLUSH MOUNTED IN FINISH SPACES.	44"
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION, UNO. FLUSH MOUNTED IN FINISH SPACES.	44"
	MANUAL MOTOR STARTER, NO OVERLOADS. FLUSH MOUNTED IN FINISH SPACES.	44"
	WALL BOX DIGITAL TIMER SWITCH, HP RATED. LABEL WALL PLATE WITH ENGRAVED LABEL INDICATING EQUIPMENT CONTROLLED.	44"
	CONTROL SWITCH FOR DEVICES SUCH AS MOTORIZED SHADES, SOLAR LIGHT TUBES, PROJECTION SCREENS, ETC. FURNISHED BY OTHERS, INSTALLED FLUSH MOUNTED WITH COVER PLATE AND WIRED BY DIV. 26	44"
	ELECTRICALLY HELD CONTACTOR WITH H.O.A. SWITCH, 30A - 3P, UNO. REFER TO SPECIFICATION FOR REQUIREMENTS.	48"
	COMBINATION ELECTRICALLY HELD CONTACTOR, WITH H.O.A. SWITCH AND 30 AMP - 3P CIRCUIT BREAKER DISCONNECT SWITCH, UNO. REFER TO SPECIFICATION FOR REQUIREMENTS.	48"
	DIGITAL TIME CLOCK SWITCH	60"
	VARIABLE FREQUENCY CONTROLLER, FURNISHED BY DIV. 23 CONTRACTOR, INSTALLED BY DIV. 26 CONTRACTOR, UNO. COORDINATE FINAL MOUNTING HEIGHT.	60"
	AUTOMATIC TRANSFER SWITCH, REFER TO SINGLE LINE DIAGRAM. COORDINATE FINAL MOUNTING HEIGHT. REFER TO SPECIFICATIONS FOR REQUIREMENTS.	60"
	RELAY	-
	AQUASTAT	-
	SOLENOID VALVE	-
	THERMOSTAT	-
	MOTOR	-
	DRY TYPE TRANSFORMER	-
	SURGE PROTECTIVE DEVICE. REFER TO SPECIFICATION FOR REQUIREMENTS.	-
	GENERATOR ANNUNCIATOR PANEL	56"
	UTILITY POLE	-
	JUNCTION BOX, PIGTAIL INDICATED FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	-
	CEILING PADDLE FAN WITH JUNCTION BOX SECURELY MOUNTED TO STRUCTURE	CLG
	REFRIGERANT DETECTION AND ALARM: REFRIGERANT MONITOR CONTROL PANEL	56"
	REFRIGERANT DETECTION AND ALARM: SENSOR	-
	REFRIGERANT DETECTION AND ALARM: NOTIFICATION APPLIANCE	-
	REFRIGERANT DETECTION AND ALARM: SELF CONTAINED BREATHING APPARATUS	56"
	CONTROL PANEL SUPPLIED BY VENDOR, INSTALLED AND WIRED BY CONTRACTOR. COORDINATE FINAL MOUNTING HEIGHT	-
	ELECTRONIC SCOREBOARD, WALL MOUNTED. FURNISHED BY OTHERS INSTALLED BY DIV. 26	-
	SHOT CLOCK, WALL MOUNTED. FURNISHED BY OTHERS INSTALLED BY DIV. 26	-
	SECURITY SYSTEM MAGNETIC DOOR HOLDER. ROUGH-IN A 1-GANG FLUSH MOUNTED BACKBOX AND 1" CONDUIT WITH BUSHD END TO ABOVE CEILING FOR CONTROL WIRING AND PROVIDE CONDUITWIRING TO CONNECT TO 120 VOLT CIRCUIT INDICATED. INSTALL DEVICE SUPPLIED BY DOOR HARDWARE SUPPLIER.	6" BELOW TOP OF DOOR

SYMBOL	DESCRIPTION	MH
	OCCUPANCY SENSOR - CEILING MOUNTED (UNO), HIGH BAY (INFRARED), 360 DEGREE PATTERN, 36" DIA. COVERAGE PATTERN (MIN.) AT 20' MOUNTING HEIGHT. PROVIDE WITH RELAY OPTION.	CLG
	OCCUPANCY SENSOR - CEILING MOUNTED, ULTRASONIC SENSOR FOR CORRIDOR & HALLWAY APPLICATIONS, 56x16" (MIN.) RECTANGULAR SHAPED COVERAGE PATTERN. PROVIDE WITH RELAY OPTION. 'X' PORTION OF SYMBOL INDICATES AIMING OF ULTRASONIC SENSORS.	CLG
	OCCUPANCY SENSOR - CEILING MOUNTED, DUAL TECHNOLOGY, 360 DEGREE PATTERN, 2000 S.F. COVERAGE. PROVIDE WITH RELAY OPTION. 'X' PORTION OF SYMBOL INDICATES AIMING OF ULTRASONIC SENSORS.	CLG
	OCCUPANCY SENSOR - CEILING MOUNTED, INFRARED, 360 DEGREE PATTERN, 1200 S.F. COVERAGE (MIN.). PROVIDE WITH RELAY OPTION.	CLG
	OCCUPANCY SENSOR - CEILING MOUNTED, ULTRASONIC, 360 DEGREE PATTERN, 2000 S.F. COVERAGE. PROVIDE WITH RELAY OPTION. 'X' PORTION OF SYMBOL INDICATES AIMING OF ULTRASONIC SENSORS.	CLG
	OCCUPANCY SENSOR - CEILING MOUNTED, DUAL TECHNOLOGY, DIRECTIONAL/180 DEGREE PATTERN, 1200 S.F. COVERAGE (MIN.). PROVIDE WITH RELAY OPTION. PROVIDE WITH CEILING MOUNTING BRACKET ACCESSORY IF NOT SUPPLIED AS STANDARD WITH SENSOR. 'X' PORTION OF SYMBOL INDICATES AIMING.	CLG
	OCCUPANCY SENSOR - CEILING MOUNTED, INFRARED, DIRECTIONAL/180 DEGREE PATTERN, 1200 S.F. COVERAGE (MIN.). PROVIDE WITH RELAY OPTION. PROVIDE WITH CEILING MOUNTING BRACKET ACCESSORY IF NOT SUPPLIED AS STANDARD WITH SENSOR. 'X' PORTION OF SYMBOL INDICATES AIMING.	CLG
	OCCUPANCY SENSOR - WALL MOUNTED, DUAL TECHNOLOGY, 180 DEGREE PATTERN, 1200 S.F. COVERAGE (MIN.). PROVIDE WITH RELAY OPTION.	96"
	OCCUPANCY SENSOR - WALL MOUNTED, INFRARED, 180 DEGREE PATTERN, 1200 S.F. COVERAGE (MIN.). PROVIDE WITH RELAY OPTION.	96"
	OCCUPANCY SENSOR - WALL SWITCH TYPE, DUAL TECHNOLOGY WITH MANUAL OVERRIDE SWITCH	44"
	OCCUPANCY SENSOR - WALL SWITCH TYPE, INFRARED WITH MANUAL OVERRIDE SWITCH	44"
	DAYLIGHT SENSOR	CLG
	KEY OPERATED SWITCH, FLUSH UNO, LINE-VOLTAGE OR LOW-VOLTAGE TYPE AS REQUIRED FOR THE APPLICATION. REFER TO DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION. NUMBER ADJACENT TO SWITCH LOCATION WHEN PRESENT INDICATES 3-WAY OR 4-WAY SWITCHING AS APPLICABLE.	44"
	SWITCH, FLUSH UNO, LINE-VOLTAGE OR LOW-VOLTAGE TYPE AS REQUIRED FOR THE APPLICATION. REFER TO DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION. NUMBER ADJACENT TO SWITCH LOCATION WHEN PRESENT INDICATES 3-WAY OR 4-WAY SWITCHING AS APPLICABLE. SUBSCRIPT a, b, c INDICATES WHICH LUMINAIRE(S) THAT WILL BE CONTROLLED VIA SWITCH.	44"
	MOMENTARY CONTACT SNAP KEYED SINGLE POLE SWITCH, DOUBLE THROW, CENTER-OFF	44"
	MOMENTARY CONTACT SNAP SINGLE POLE SWITCH, DOUBLE THROW, CENTER-OFF	44"
	SINGLE POLE SWITCH, 277V, 20A, FLUSH UNO WITH LIGHTED HANDLE	44"
	SWITCH, FLUSH UNO, LINE-VOLTAGE OR LOW-VOLTAGE TYPE AS REQUIRED FOR THE APPLICATION. REFER TO DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION. NUMBER ADJACENT TO SWITCH LOCATION WHEN PRESENT INDICATES 3-WAY OR 4-WAY SWITCHING AS APPLICABLE. SUBSCRIPT a, b, c INDICATES WHICH LUMINAIRE(S) THAT WILL BE CONTROLLED VIA SWITCH.	44"
	SINGLE POLE SWITCH, 277V, 20A, FLUSH UNO WITH PILOT LIGHT	44"
	LOW-VOLTAGE DIMMER WITH ON/OFF AND RAISE/LOWER CONTROLS, FLUSH UNO. REFER TO DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION. SUBSCRIPT a, b, c INDICATES WHICH LUMINAIRE(S) THAT WILL BE CONTROLLED VIA DIMMER.	44"
	LOW-VOLTAGE LIGHTING CONTROL, STATION WITH DIMMING AND ON/OFF CONTROLS ASSOCIATED WITH ROOM STANDALONE LIGHTING RELAY PANEL, FLUSH UNO. REFER TO DRAWINGS AND PROJECT MANUAL SECTION 26 09 43 FOR ADDITIONAL INFORMATION.	44"
	LIGHTING CONTACTOR, REFER TO PROJECT MANUAL AND DRAWINGS FOR REQUIREMENTS.	48"
	COMBINATION LIGHTING CONTACTOR, MECHANICALLY HELD, WITH H-O-A SWITCH AND 30A - 3P CIRCUIT BREAKER, UNO	48"
	STANDALONE LIGHTING RELAY PANEL. REFER TO PROJECT MANUAL SECTION 26 09 43.	ABOVE CLG
	DOWNLIGHT LUMINAIRE, APPROXIMATE SIZE INDICATED	-
	DOWNLIGHT LUMINAIRE FOR GENERAL AND EMERGENCY/EGRESS ILLUMINATION. PROVIDE AS INDICATED ON DRAWINGS.	-
	WALL SCONCE LUMINAIRE	-
	WALL MOUNTED EXIT SIGN, DIRECTIONAL ARROWS AS SHOWN	96"
	CEILING MOUNTED EXIT SIGN, SHADED PORTION(S) INDICATES SINGLE OR DOUBLE FACE	CLG
	ARM MOUNTED AREA LUMINAIRE	-
	POLE TOP AREA LUMINAIRE	-
	TRACK HEAD LUMINAIRE	-
	EMERGENCY LIGHTING UNIT WITH 2 HEADS AND BATTERY	76"
	WALL-BRACKET LUMINAIRE, APPROXIMATE SIZE INDICATED	-
	WALL-BRACKET LUMINAIRE FOR GENERAL AND EMERGENCY/EGRESS ILLUMINATION. PROVIDE AS INDICATED ON DRAWINGS.	-
	RECESSED LUMINAIRE, APPROXIMATE SIZE INDICATED. (NL) INDICATES NIGHT LIGHT FIXTURE(S)	CLG
	RECESSED LUMINAIRE FOR GENERAL AND EMERGENCY/EGRESS ILLUMINATION. PROVIDE AS INDICATED ON DRAWINGS.	CLG
	SURFACE OR PENDANT MOUNTED LUMINAIRE, APPROXIMATE SIZE INDICATED	CLG
	SURFACE OR PENDANT MOUNTED LUMINAIRE FOR GENERAL AND EMERGENCY/EGRESS ILLUMINATION. PROVIDE AS INDICATED ON DRAWINGS.	CLG
	PENDANT LUMINAIRE, APPROXIMATE SIZE INDICATED	CLG
	PENDANT LUMINAIRE FOR GENERAL AND EMERGENCY/EGRESS ILLUMINATION. PROVIDE AS INDICATED ON DRAWINGS.	CLG
	AIMABLE LUMINAIRE, CARROT INDICATING DIRECTION OF AIMING	-

NOTE:
 PLAN SYMBOLS FOR EXISTING ITEMS INDICATED ON NEW WORK DRAWING SHEETS WHERE NECESSARY ARE IDENTIFIED WITH A LIGHTER LINEWEIGHT THAN NEW ITEMS.

THE TERM "PROVIDE" INDICATES CONTRACTOR SHALL FURNISH AND INSTALL ITEMS AND CONNECT AS REQUIRED TO OBTAIN A COMPLETE AND OPERABLE SYSTEM. CONTRACTOR SHALL DEVELOP LAYOUTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PIPING, FINISHES, EQUIPMENT, AND OTHER TRADES PRIOR TO ROUGH IN. DEVICES ARE INTENDED TO BE ACCESSIBLE, DO NOT INSTALL BEHIND CASEWORK, DOORS OR PARTITIONS UNLESS INDICATED OTHERWISE AND NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.

WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE AND NATIONAL CODES INCLUDING BUT NOT LIMITED TO NFPA 70A (NATIONAL ELECTRICAL CODE), NFPA 72, NFPA 101, INTERNATIONAL BUILDING CODE, ETC.

CONFLICTS BETWEEN PROVIDED METHODS AND NOTIFICATIONS, AND THE PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH WORK.

REFER TO E-01 FOR LUMINAIRE SCHEDULE.

REFER TO E-01 FOR PLAN SCHEDULES.

E-3 SERIES DRAWINGS ARE FOR TECHNICAL ROUGH-INS.

REFER TO TECHNOLOGY SCHEDULE FOR COMMUNICATIONS, SECURITY AND ACCESS CONTROL.

CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS INDICATED IN LATEST ADOPED STATE AND INTERNATIONAL BUILDING CODES WITH ALL AMENDMENTS AS ADOPTED.

ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FOR OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.

WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.

INITIATING WORK CONSTITUTES CONTRACTOR ACCEPTANCE OF THE EXISTING CONDITIONS ASSOCIATED WITH THE WORK IN QUESTION.

CONTRACTOR SHALL CONDUCT VISUAL AND VERIFY UTILITY REQUIREMENTS PRIOR TO COMMENCING CONSTRUCTION. CONFLICTS BETWEEN UTILITIES REQUIREMENTS AND THE PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH THE UTILITY COMPANY TO REVIEW REQUIREMENTS, INCOMING SERVICE CONDUITS AND STRUCTURES SERVING THE PROJECT. CONTRACTOR SHALL REVIEW ALL EXISTING DRAWINGS AND SPECIFICATIONS DO NOT INDICATE METHODS OF CONSTRUCTION THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS RESPONSIBLE FOR PROTECTING EXISTING MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER TRADES PRACTICES.

DRAWINGS ARE DIAGRAMMATIC IN NATURE AND CANNOT SHOW EVERY CONNECTION. JUNCTION BOX, WIRE AND CONDUIT, ETC. THE EXACT LOCATIONS AND ARRANGEMENT OF PARTS SHALL BE DETERMINED AS THE WORK PROGRESSES. ITEMS NOT INDICATED ON DRAWINGS (REASONABLE) SHALL BE PROVIDED BY THE WORK DESCRIBED SHALL BE FURNISHED AND INSTALLED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

WORK SHALL BE COORDINATED WITH EXISTING CONDITIONS, NEW CONSTRUCTION, EXISTING VENDORS, OTHER TRADES AND THE PROJECT SCHEDULE. CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING HIS BID. CONTRACTOR SHALL CONTACT OWNER FOR AN APPOINTMENT TO VISIT THE SITE.

IN UNFINISHED CEILING AND UNFINISHED FLOOR PER NE SHALL BE PROVIDED WITH EACH FEEDER AND BRANCH CIRCUIT.

PROVIDE A DEDICATED NEUTRAL FOR EACH LINE TO NEUTRAL CIRCUIT. MULTIWIRE BRANCH CIRCUITS ARE NOT PERMITTED UNLESS SPECIFICALLY INDICATED ON PLANS.

MINIMUM WIRE SIZE #12 AWG. SEE SPECIFICATIONS FOR MINIMUM CONDUIT SIZE.

WIRING SHALL BE CONCEALED IN WALLS, CEILING, FLOOR OR UNDER FLOOR SLAB WHERE SHOWN ON DRAWINGS. IN AREAS WITH NO CEILING, RUN EXPOSED CONDUIT AS HIGH AS POSSIBLE AND PARALLEL TO NEARBY SURFACES OR EXISTING CONCEALED PASSWAYS, CONDUITS SHALL BE ELEVATED TO OTHER TRADES. SPECIFICALLY INDICATED ON PLANS AND WHERE APPROVED BY STRUCTURAL ENGINEER, DO NOT INSTALL MC CABLE IN EXPOSED LOCATIONS.

CONTRACTOR SHALL PROVIDE CONDUIT SLEEVES TO FACILITATE PATHWAYS THROUGH FULL HEIGHT WALLS FOR ELECTRICAL, AND TELECOMMUNICATION WIRING.

PROVIDE TEMPORARY OR PERMANENT END CAPS FOR STUBBED CONDUITS. PROVIDE END CAPS TO REMAIN UNTIL THE CONDUIT IS CONNECTED TO OTHER TRADES.

SEE ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED ASSEMBLIES AND SMOKE DAMPERS. SEAL PENETRATIONS THROUGH WALLS AND CEILING. PROVIDE SMOKE MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INCLUDING ABOVE FINISHED FLOOR TO BOTTOM OF DEVICE UNO. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UNO.

PROVIDE SOUND INSULATING PUTTY ABOVE DEVICES INSTALLED ON OPPOSITE SIDES OF WALL IN THE SAME VERTICAL CHANNEL. IF DEVICES ARE LOCATED AT LEAST 8" HORIZONTALLY APART IN THE SAME VERTICAL CHANNEL, NO PUTTY IS REQUIRED.

COORDINATE CEILING MOUNTED DEVICES WITH MECHANICAL AND ARCHITECTURAL REFLECTED CEILING PLANS. NOTIFY ARCHITECT IN WRITING OF CONFLICTS PRIOR TO PROCEEDING WITH WORK.

JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 6" ABOVE CEILING. LOCATIONS ABOVE CEILING SHALL BE IDENTIFIED BY A MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

CONDUITS DESIGNATED AS EMPTY OR FUTURE, SHALL BE PROVIDED WITH A #12 FULL PULL. OPENED CONDUITS SHALL BE PROVIDED WITH A #12 FULL PULL. PROVIDE A #12 FULL PULL FOR LUMINAIRES. CIRCUIT NUMBER IS SHOWN ONLY ONCE IN EVERY ROOM. PROVIDE CIRCUIT LOCATED TO EVERY LIGHT FIXTURE INDICATED IN SAME ROOM UNLESS OTHERWISE NOTED.

QUANTITY AND LOCATION OF TAMPER AND FLOOR SWITCHES IS FOR BIDDING PURPOSES ONLY. PROVIDE EXACT QUANTITY AND LOCATIONS WITH SPRINKLER CONTRACTOR PRIOR TO START WORK DRAWING SUBMITTAL.

ELECTRICAL PANELS INCLUDING BUT NOT LIMITED TO FIRE ALARM CONTROL PANELS, LIGHTING CONTROL PANELS, POWER DISTRIBUTION WILL HAVE A MAX DEVICE HEIGHT OF 72" AFF.

PROVIDE GROUNDING TYPE EXPANSION FITTINGS OR OTHER APPROVED METHODS TO ALLOW FOR THERMAL EXPANSION, CONTRACTION, AND DEFLECTION WHERE CONDUITS CROSS BUILDING EXPANSION JOINTS.

PROVIDE SEPARATE RACEWAY FOR EMERGENCY SYSTEM WIRING PER NEC ARTICLE 700. PROVIDE 1/2" MIN WIRE SIZE MINIMUM.

ALL CONDUITS SHALL INCLUDE AN INSULATED GROUND WIRE, SIZED PER N.E.C.

CONDUITS AND WIRE SHALL BE PROTECTED FROM MASSED SHEAR WALLS. MAKE FINAL POWER CONNECTIONS. ALL CONDUIT, WIRING BY OTHERS.

MASSIVE CONCREDE REINFORCING SHALL NOT PENETRATE MASSED SHEAR WALLS INDICATED AS BEARING WALLS AND SHEAR WALLS ON STRUCTURAL DRAWINGS UNLESS ENGINEER NOTED OTHERWISE ON PLAN. DO NOT CORE THROUGH CM BOND BEAMS OR WALLS. DO NOT CUT OR CORE THROUGH REINFORCING IN CONCRETE. OBTAIN PRIOR APPROVAL FROM STRUCTURAL ENGINEER BEFORE PENETRATING ANY OF THE STRUCTURAL ELEMENTS.

CONCRETE BEARING WALLS AND BEAMS. DO NOT PENETRATE CONCRETE WALLS INDICATED AS BEARING WALLS AND SHEAR WALLS ON STRUCTURAL DRAWINGS UNLESS OTHERWISE NOTED OTHERWISE ON PLAN. DO NOT CORE THROUGH CM BOND BEAMS OR WALLS. DO NOT CUT OR CORE THROUGH REINFORCING IN CONCRETE. OBTAIN PRIOR APPROVAL FROM STRUCTURAL ENGINEER BEFORE PENETRATING ANY OF THE STRUCTURAL ELEMENTS.

STEEL FRAMING. DO NOT CUT OR CORE THROUGH ANY STRUCTURAL STEEL BEAMS, GIRDERS, OR COLUMNS UNLESS NOTED OTHERWISE ON PLAN. NOTIFY ENGINEER OF ALL CONFLICTS BEFORE PENETRATING ANY OF THE STRUCTURAL ELEMENTS.

CONCRETE FLOOR SYSTEMS (APPLIES TO CONCRETE BLDG. OR STEEL WITH CONCRETE DECK, MASONRY W/ CONCRETE). DO NOT CUT HOLES OR CORE THROUGH CONCRETE FLOOR, UNLESS NOTED OTHERWISE ON PLAN. DO NOT PENETRATE THROUGH CONCRETE PENETRATIONS THROUGH EXISTING SLABS SHALL BE X-RAYED PRIOR TO CORING HOLES. DO NOT PENETRATE REINFORCING THROUGH EXISTING SLABS. DO NOT PENETRATE REINFORCING, PENETRATIONS THROUGH EXISTING BEAMS AND COLUMNS IS NOT PERMITTED.

E1.01

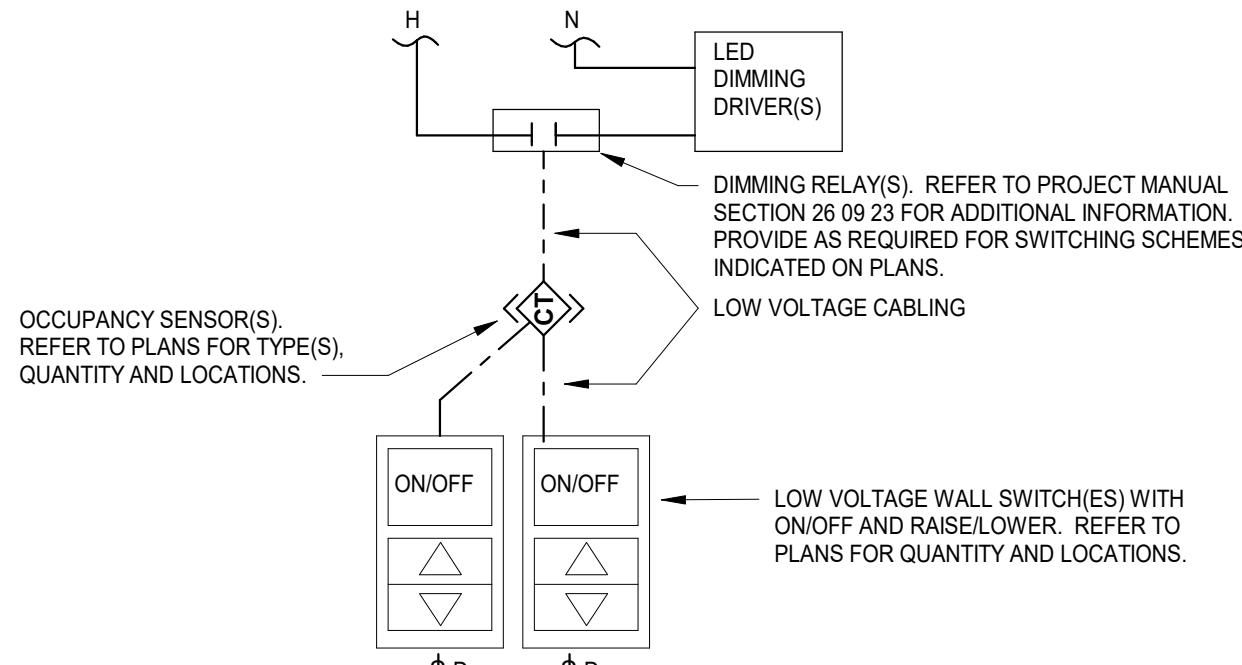
FOR ALL NEW DEVICES EXISTING WALLS. PROVIDE SURFACE MOUNTED FINISH TYPE METALLIC BACKBOX AND SINGLE CHANNEL METALLIC SURFACE RACEWAY TO ABOVE NEAREST ACCESSIBLE LAY-IN CEILING (OR TO CEILING LEVEL IN AREAS WITHOUT FINISHED CEILING). UNO. COORDINATE EXACT ROUTING OF RACEWAY WITH EXISTING CONDITIONS. LOCATIONS OF NEW TRACKBOARDS, MARKERBOARDS, CASEWORK ETC. PRIOR TO ROUGH-IN. WHENEVER POSSIBLE, ROUTE SURFACE RACEWAY IN CORNERS AND/OR AT WALL/CILING INTERSECTIONS FOR A NEAT INSTALLATION. RACEWAYS SHALL BE ATTACHED TO WALLS OR CEILING WITH PLATE SCREWS. RACEWAYS SHALL BE OPEN OR NOT MOUNTED. NOT ACCEPTABLE. NOTCH CASEWORK AS FOR RACEWAY AS REQUIRED WHERE DEVICE LOCATION REQUIRES ROUTING RACEWAY THROUGH SIDE OR TOP OF CASEWORK. REFER TO PROJECT MANUAL FOR RACEWAY REQUIREMENTS. APPLIES TO ALL "E" DRAWINGS.

DEVICES SHALL BE INSTALLED AT LOCATIONS SHOWN ON DRAWINGS. WHERE MULTIPLE DEVICES ARE LOCATED AT THE SAME LOCATION (INCLUDING DEVICES BY OTHER TRADES), COORDINATE ROUGH-INS SO THAT DEVICES ARE LOCATED WITH 4-INCHES OF SPACE BETWEEN DEVICES. WHERE MULTIPLE DEVICES OF THE SAME TYPE ARE INSTALLED AT THE SAME LOCATION, INSTALL DEVICES IN A SINGLE ROUGH-IN IF POSSIBLE. LOCATIONS OF DEVICES SHALL BE COORDINATED WITH OTHER TRADES' DEVICES/CASEWORK/ARCHITECTURAL FEATURES PRIOR TO ROUGH-IN. IF RELOCATION OF DEVICES IS REQUIRED DUE TO COORDINATION WITH DRAWINGS AND OTHER TRADES, ANY ASSOCIATED COSTS SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. THIS SECTION SHALL APPLY TO ALL "E" DRAWINGS.

CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK

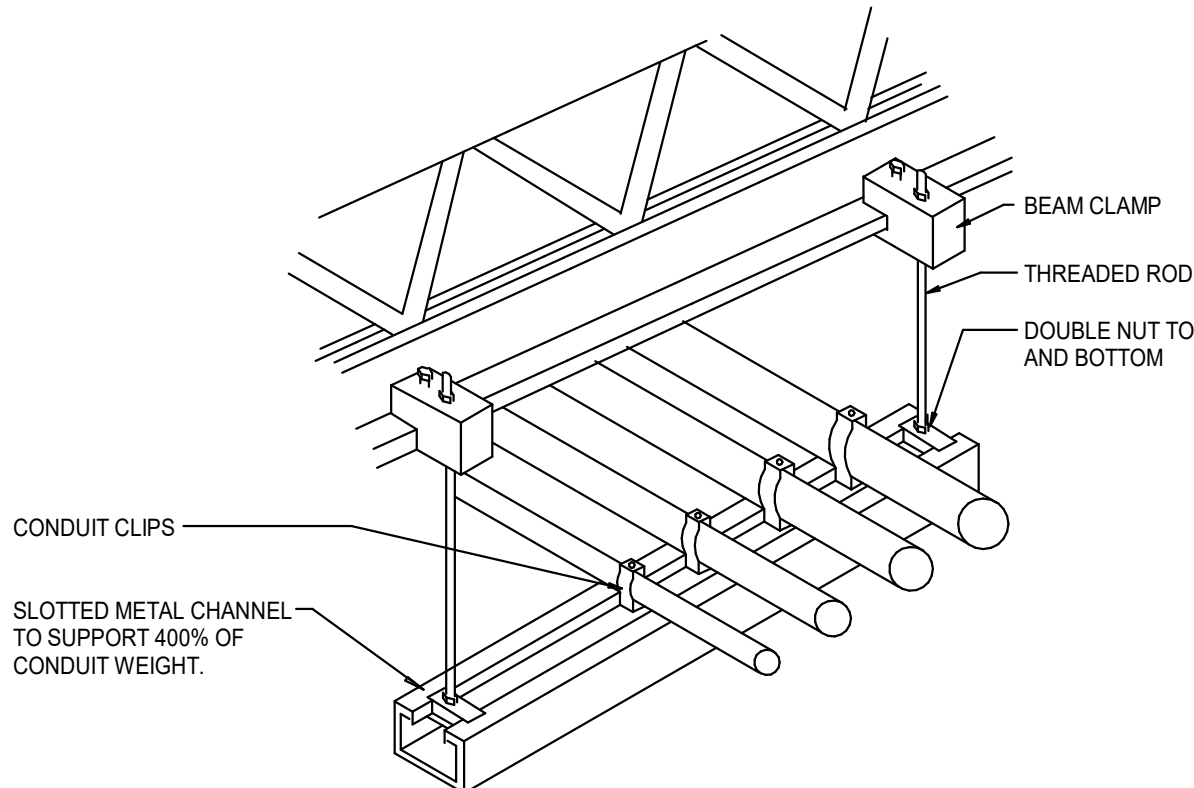
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LUMINAIRE SCHEDULE										
PLAN TYPE	MANUFACTURER/SERIES	MOUNTING	LAMPS			COLOR TEMPERATURE	VOLTAGE	VA LOAD	DESCRIPTION	
			NO.	WATTS	TYPE					
LD61	PORTFOLIO LD66 SERIES PEACHTREE LIGHTING 6BLRD SERIES LITHONIA LDN6 SERIES PRESCOLITE LF6SL SERIES	RECESSED	1	19 W	LED	1500 lm	4000 K	277 V	19 VA	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY.
LD61X	PORTFOLIO LD66 SERIES LIGHTQUIK C6L SERIES GOTHAM EVO SERIES PRESCOLITE LF6SL SERIES	RECESSED	1	19 W	LED	1500 lm	4000 K	277 V	19 VA	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, CLEAR SPECULAR FINISH, SELF-FLANGED, 0-10VDC DIMMING, BAR HANGER ACCESSORY. PROVIDE WITH EMERGENCY TRANSFER DEVICE.
LN2	METALUX SNX LENSED SERIES DAY BRITE SDS SERIES LITHONIA ZL10 SERIES COLUMBIA MPS SERIES	SUSPENDED	1	33 W	LED	3900 lm	4000 K	277 V	33 VA	4-FOOT SUSPENDED LED STRIP TYPE LIGHT FIXTURE, 100% FROSTED LENS, WIDE DISTRIBUTION, 0-10VDC DIMMING. PROVIDE WITH ADJUSTABLE AIRCRAFT CABLE HANGERS, LENGTH AS REQUIRED TO INSTALL AT 9'-0" A.F.F., OR AT MOUNTING HEIGHTS INDICATED ON PLANS.
LS4	NEORAY DEFINE 4 SERIES LEDALITE TRUGROOVE SERIES MARK LIGHTING SLOT 4 LED SERIES	SURFACE CEILING	1	5 W	LED	575 lm	4000 K	277 V	5 VA	4-INCH BY RUN LENGTH SURFACE MOUNTED LED LUMINAIRE WITH FLUSH OPAL ACRYLIC LENS, 575 LUMENS/FT. (MINIMUM, OR SUPPLIED MFR. NEXT HIGHEST STANDARD LUMEN PACKAGE), T-GRID MOUNTING, 0-10VDC DIMMING DRIVER.
LS4X	NEORAY DEFINE 4 SERIES LEDALITE TRUGROOVE SERIES MARK LIGHTING SLOT 4 LED SERIES	SURFACE CEILING	1	5 W	LED	575 lm	4000 K	277 V	5 VA	4-INCH BY RUN LENGTH SURFACE MOUNTED LED LUMINAIRE WITH FLUSH OPAL ACRYLIC LENS, 575 LUMENS/FT. (MINIMUM, OR SUPPLIED MFR. NEXT HIGHEST STANDARD LUMEN PACKAGE), T-GRID MOUNTING, 0-10VDC DIMMING DRIVER. PROVIDE WITH EMERGENCY TRANSFER DEVICE.
XC	SURE-LITES CX SERIES CHLORIDE 55 LINE SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMPRA SERIES OR A/E APPROVED EQUAL	SURFACE CEILING	1	3 W	RED LED	0 lm	3200 K	277 V	3 VA	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.



- NOTES:
1. DETAIL APPLIES TO ALL ROOMS/SPACES WITH DIMMING, UNLESS OTHERWISE NOTED. OCCUPANCY SENSORS TO BE SET/ADJUSTED TO OPERATE AS "VACANCY" SENSORS IN ALL OCCUPIED SPACES FOR MANUAL ON OF ROOM LIGHTS VIA ROOM LIGHT SWITCHES / AUTO-OFF OF ROOM LIGHTS VIA OCCUPANCY SENSOR DELAY SETTING TO MEET CONTROL REQUIREMENTS OF ASHRAE 90.1-2010. REFER TO GENERAL NOTES ON THE E4 SERIES DRAWINGS AND PROJECT MANUAL SECTION 26.09.23 FOR EXCEPTIONS TO THIS REQUIREMENT AND ADDITIONAL INFORMATION AND REQUIREMENTS FOR LIGHTING CONTROLS. ONCE LIGHTING IS SWITCHED ON, LIGHTS MAY BE DIMMED THROUGH RAISE/LOWER BUTTONS ON WALL SWITCH.
 2. EMERGENCY LUMINAIRES SHALL OPERATE AS DESCRIBED ABOVE DURING NORMAL OPERATIONS. UPON LOSS OF NORMAL POWER, THE EMERGENCY LUMINAIRES SHALL OPERATE VIA THE EMERGENCY TRANSFER DEVICE ASSOCIATED WITH EACH EMERGENCY LUMINAIRE.

1 TYPICAL WIRING DIAGRAM FOR ROOMS/SPACES WITH DIMMING
NO SCALE



2 2.5" & UP CONDUIT SUPPORT DETAIL
NO SCALE

Branch Panel: P3											
Location:				Volts: 208/120 Wye				A.I.C. Rating:			
Supply From:				Phases: 3				Mains Type: MCB			
Mounting: Surface				Wires: 4				Mains Rating: 225 A			
Enclosure: Type 1				MCB Rating: 225 A							
Notes: INTEGRAL SURGE PROTECTION											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	2	
3	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	4	
5	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	6
7	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	8	
9	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	10	
11	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	12
13	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	14	
15	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	16	
17	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	18
19	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	20	
21	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	22	
23	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	24
25	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	26	
27	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	28	
29	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	30
31	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	32	
33	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	34	
35	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	36
37	MONITORS RM. 1636	20 A	1	720	360		1	20 A	TECH RACK RM. 1636	38	
39	VENDING MACHINE RM. 1636	20 A	1		1000	720	1	20 A	MONITORS RM. 1644	40	
41	MOTORIZED DOOR	20 A	1			700	0	1	20 A	Spare	42
43	EXISTING LOAD	20 A	1	0	0		1	20 A	Spare	44	
45	EXISTING LOAD	20 A	1		0	0	1	20 A	Spare	46	
47	EXISTING LOAD	20 A	1			0	0	1	20 A	Spare	48
49	EXISTING LOAD	20 A	1	0	0		1	20 A	Spare	50	
51	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	52	
53	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	54
55	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	56	
57	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	58	
59	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	60
61	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	62	
63	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	64	
65	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	66
67	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	68	
69	EXISTING LOAD	20 A	1		0	0	1	20 A	EXISTING LOAD	70	
71	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	72
73	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	74	
75	EXISTING LOAD	20 A	1		0	0	1	20 A	Spare	76	
77	EXISTING LOAD	20 A	1			0	0	1	20 A	Spare	78
79	EXISTING LOAD	20 A	1	0	0		1	20 A	Spare	80	
81	EXISTING LOAD	20 A	1		0	0	1	20 A	Spare	82	
83	EXISTING LOAD	20 A	1			0	0	1	20 A	Spare	84
Total Load:				1080 VA	1720 VA	700 VA					
Total Amps:				9 A	15 A	6 A					
Legend:											
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals						
Other		700 VA	100.00%	700 VA							
Receptacle - Convenience		1000 VA	100.00%	1000 VA	Total New Conn. Load: 3500 VA						
Receptacles		1800 VA	100.00%	1800 VA	Total New Est. Demand: 3500 VA						
					Total New Conn.: 10 A						
					Total New Est. Demands: 10 A						
					Plus Existing Loads 175 A						
					Total Load 185 A						
Notes:											
EXISTING LOADS ARE 50,300 VA. LOAD CALCULATION - 50,300 X 1.25 = 62875 VA = 175 AMPS EXISTING LOAD. NEW LOADS ARE SHOWN IN BOLD TEXT.											

Branch Panel: P27											
Location: PENTHOUSE 2601				Volts: 208/120 Wye				A.I.C. Rating:			
Supply From:				Phases: 3				Mains Type: MCB			
Mounting: Surface				Wires: 4				Mains Rating: 100 A			
Enclosure: Type 1				MCB Rating: 100 A							
Notes: INTEGRAL SURGE PROTECTION											
CKT	Circuit Description	Trip	Poles	A (VA)	B (VA)	C (VA)	Poles	Trip	Circuit Description	CKT	
1	EXISTING LOAD	20 A	1	0	0		1	20 A	EXISTING LOAD	2	
3	EXISTING LOAD	20 A	1		0	0		1	20 A	EXISTING LOAD	4
5	EXISTING LOAD	20 A	1			0	0	1	20 A	EXISTING LOAD	6
7	EXISTING LOAD	20 A	1	0	0		1	20 A	Spare	8	
9	Spare	20 A	1		0	0	1	20 A	Spare	10	
11	Spare	20 A	1			0	0	1	20 A	Spare	12
13	Spare	20 A	1	0	0		1	20 A	Spare	14	
15	Spare	20 A	1		0	0	1	20 A	Spare	16	
17	Spare	20 A	1			0	0	1	20 A	Spare	18
19	CU-1	30 A	2	915	1404		2	15 A	CU-2	20	
21	--	--	--		915	1404	--	--	--	22	
23	FCU-1	15 A	1			1320	1127	1	15 A	FCU-2	24
25	Space	--	1	--	--			1	--	Space	26
27	Space	--	1		--	--		1	--	Space	28
29	Space	--	1			--	--	1	--	Space	30
31	Space	--	1	--	--			1	--	Space	32
33	Space	--	1		--	--		1	--	Space	34
35	Space	--	1			--	--	1	--	Space	36
37	Space	--	1	--	--			1	--	Space	38
39	Space	--	1		--	--		1	--	Space	40
41	Space	--	1			--	--	1	--	Space	42
Total Load:				2319 VA	2319 VA	2447 VA					
Total Amps:				19 A	19 A	20 A					
Legend:											
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals							
Motor	7085 VA	80.00%	5668 VA								
				Total New Conn. Load: 7085 VA							
				Total New Est. Demand: 5668 VA							
				Total New Conn.: 20 A							
				Total New Est. Demand: 16 A							
				Plus Existing Loads 20 A							
				Total Load 36 A							
Notes:											
EXISTING LOADS ARE 5,800 VA. LOAD CALCULATION - 5,800 X 1.25 = 7250 VA = 20 AMPS EXISTING LOAD. NEW LOADS ARE SHOWN IN BOLD TEXT.											

- LUMINAIRE SCHEDULE - GENERAL NOTES
1. REFER TO PROJECT MANUAL SECTION 26.51.00 FOR LUMINAIRE AND DRIVER REQUIREMENTS.
 2. THE LUMINAIRE SCHEDULE GENERALLY INDICATES WORST CASE DELIVERED LUMENS (LOWEST) AND WATTAGE (HIGHEST) FOR THE SPECIFIED MANUFACTURERS/SERIES FOR EACH LUMINAIRE TYPE. FINAL LUMEN/POWER PACKAGES SHALL BE SELECTED BY THE ARCHITECT/ENGINEER DURING THE SUBMITTAL REVIEW PHASE OF THE PROJECT FOR THE LUMEN/POWER PACKAGE CLOSEST TO THE SPECIFIED VALUES FOR THE LUMINAIRE MANUFACTURER/MODEL PROPOSED FOR EACH LUMINAIRE TYPE IN THE SUBMITTALS.
 3. FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS.
 4. LIGHTING SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL LUMINAIRE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR SOLID-STATE LIGHTING DRIVERS AND EMERGENCY TRANSFER DEVICES AS INDICATED IN THE DESCRIPTION COLUMN OF THE LUMINAIRE SCHEDULE OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.

DUBLIN JEROME WEIGHT ROOM RENOVATION

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DUBLIN CITY SCHOOLS

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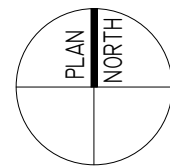
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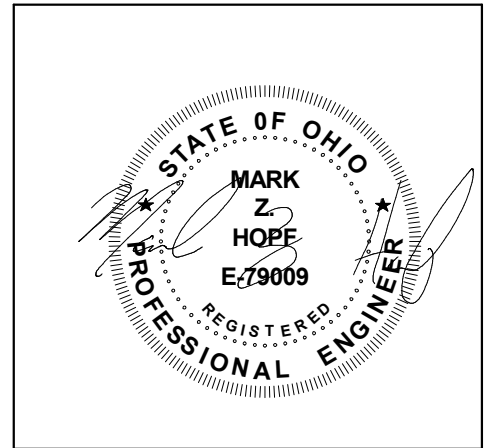
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CONSTRUCTION DOCUMENTS



DRAWN BY: RR

PROJECT NUMBER: 222079.00

PROJECT ISSUE DATE: 12/15/2025

REV. NO.	DESCRIPTION	DATE

ELECTRICAL DEMOLITION PLAN

ED.01

EXISTING/DEMOLITION LEGEND

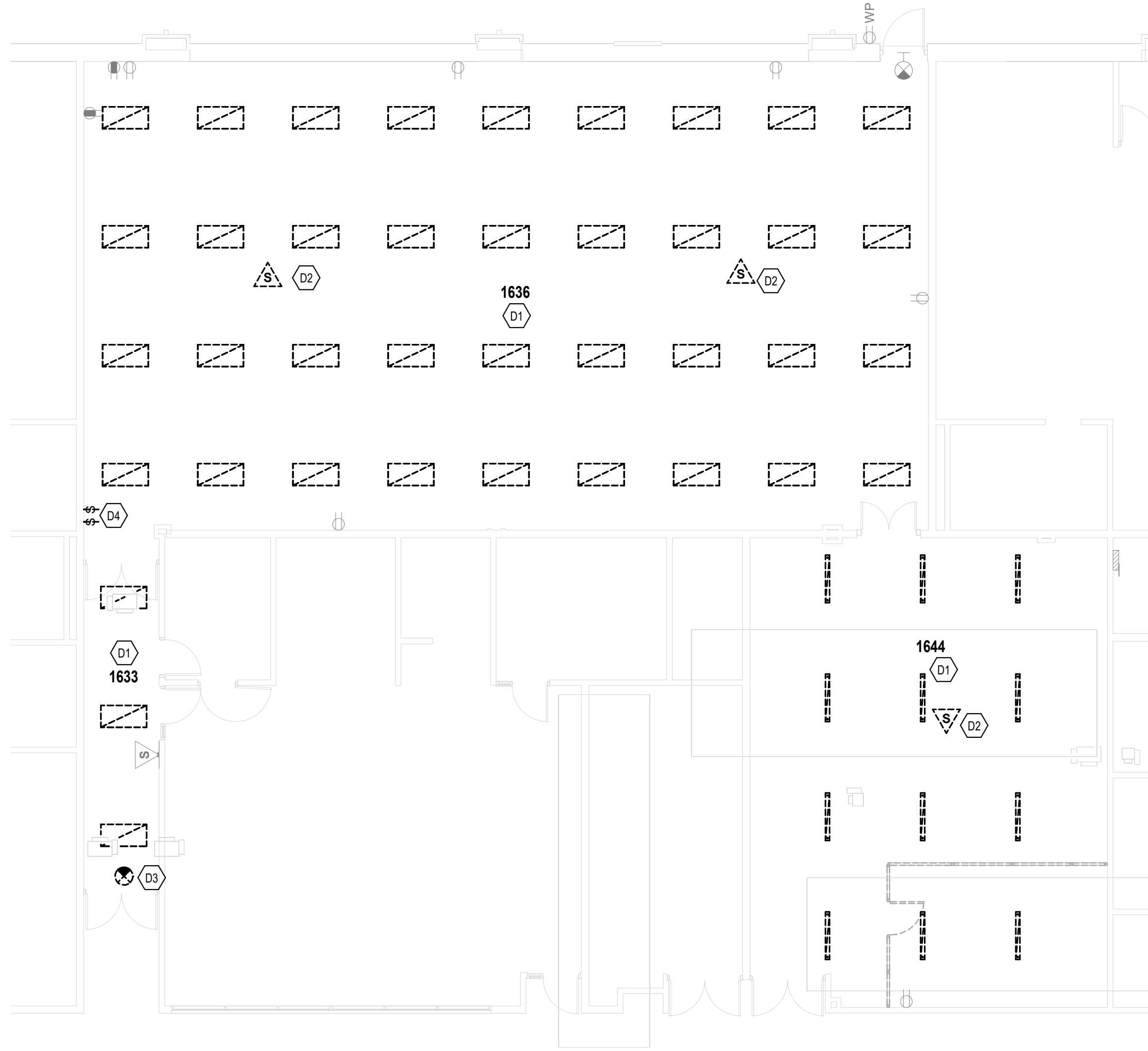
	EXISTING DEVICE, EQUIPMENT, CIRCUIT, ETC. TO REMAIN. SHOWN FOR REFERENCE ONLY. MAINTAIN CIRCUIT CONTINUITY TO DEVICES THAT REMAIN THAT ARE ON THE SAME CIRCUIT(S) AS REMOVED DEVICES.
	EXISTING DEVICE, EQUIPMENT, CIRCUIT, ETC. TO BE DISCONNECTED AND REMOVED. OR RELOCATED AS NOTED. FOR REMOVED ITEMS, REMOVE WIRING AND EXPOSED CONDUIT/TRACEWAY BACK TO SOURCE UNLESS OTHERWISE NOTED. MAINTAIN CIRCUIT CONTINUITY TO DEVICES THAT REMAIN.

GENERAL NOTES - ELECTRICAL DEMOLITION PLANS

- REFER TO PROJECT MANUAL SECTION 28 00 05 - "ELECTRICAL DEMOLITION" FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS SHEET.
- ALL EXISTING ELECTRICAL, LIGHTING, LOW-VOLTAGE SYSTEMS, EQUIPMENT, DEVICES, CONDUIT, WIRING, ETC. NOT SHOWN ON THIS DRAWING AND NOT IMPACTED BY RENOVATIONS SHALL REMAIN IN SERVICE. UNLESS OTHERWISE NOTED, ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, CONDUIT, WIRING, ETC. NOT SHOWN ON THIS DRAWING THAT IS MADE OBSOLETE BY RENOVATIONS SHALL BE DISCONNECTED AND REMOVED. EXISTING CONDUIT, WIRING AND BOXES, ETC. NOT SHOWN ON THIS DRAWING THAT PASS THROUGH RENOVATION AREAS AND IS AFFECTED BY RENOVATIONS SHALL BE REWORKED AS REQUIRED. EXISTING OR REWORKED JUNCTION BOXES SHALL BE ACCESSIBLE UPON COMPLETION OF WORK.
- THE CONTRACTOR PERFORMING THE ELECTRICAL DEMOLITION SCOPE OF WORK SHALL MAKE PROVISIONS IN THE PROJECT BID AND BE RESPONSIBLE FOR THE FOLLOWING: FOR ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT REQUIRED TO BE REMOVED, DISCONNECT DEVICES/EQUIPMENT AND REMOVE WIRING AND EXPOSED CONDUIT BACK TO SOURCE, INCLUDING REMOVAL OF ANY ASSOCIATED ELECTRICAL DEVICES/EQUIPMENT, WIRING, EXPOSED CONDUIT, ETC. THAT MAY BE HIDDEN BY EXISTING CONDITIONS OR THAT ARE NOT SHOWN SCHEMATICALLY ON PLANS. PROVIDE STAINLESS STEEL BLANK COVERPLATES FOR ALL ROUGH-INS OF REMOVED DEVICES/EQUIPMENT, ETC. THAT ARE NO LONGER BEING USED. CIRCUITS OR SOURCE FOR ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT THAT ARE AFFECTED BY WORK FOR THIS PROJECT SHALL BE VERIFIED AND CIRCUIT TRACED AS REQUIRED TO PERFORM THIS WORK. ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT THAT ARE BEING REMOVED SHALL HAVE POWER SOURCE VERIFIED AND SHALL BE DISCONNECTED AT THE SOURCE FOR REMOVAL. PHASING FOR ELECTRICAL DEMOLITION WORK SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER AND OWNER PRIOR TO ANY DE-ENERGIZING OR DECOMMISSIONING OF SYSTEMS AND REMOVAL OF ANY EXISTING ELECTRICAL DEVICES/EQUIPMENT IN ANY GIVEN AREA OF THE EXISTING BUILDING.
- ALL EXISTING ABOVE-CEILING CONDUITS AND LOW-VOLTAGE CABLING THAT REMAINS AND IS SUPPORTED BY SUPPORTS THAT ARE REMOVED AS REQUIRED AS PART OF DEMOLITION OR RENOVATION WORK, OR THAT IS NOT PROPERLY SUPPORTED (I.E. NON-CODE COMPLIANT SUPPORTS, CABLING LAYING ON CEILING SYSTEM, ETC.) IN THE AREAS OF WORK SHALL BE RE-SUPPORTED AS REQUIRED TO MEET ALL APPLICABLE CODES (SUPPORT CABLING WITH J-HOOKS AT 5'-0" ON-CENTER FOR MULTIPLE CABLING RUNS OR "BATWING" TYPE CLIPS ATTACHED TO DEDICATED OR OTHER ELECTRICAL SUPPORTS. CABLING SHALL NOT BE ATTACHED TO THE CEILING SYSTEM SUPPORT WIRES UNDER ANY CIRCUMSTANCES).
- THE EXISTING FIRE ALARM SYSTEM IN THE PROJECT BUILDING SHALL BE COMPLETELY REPLACED WITH A NEW VOICE/ALARM COMMUNICATION SIGNALING-SERVICE TYPE FIRE ALARM SYSTEM AS INDICATED ON SHEET EE.01. REFER TO PROJECT MANUAL SECTION 28 31 11 FOR ADDITIONAL REQUIREMENTS.

KEYNOTES

D1	DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES IN THIS ROOM. TIE BACK EXISTING CIRCUITRY TO BE REUSED.
D2	DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICE AT THIS LOCATION. STORE AND PROTECT EXISTING DEVICE TO BE RECONNECTED.
D3	DISCONNECT AND REMOVE EXISTING EXIT LIGHT AT THIS LOCATION. STORE AND PROTECT EXISTING DEVICE TO BE RECONNECTED.
D4	DISCONNECT AND REMOVE EXISTING LIGHT SWITCH AT THIS LOCATION. PATCH EXISTING HOLE WITH STAINLESS STEEL COVER PLATE.



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

DUBLIN JEROME
WEIGHT ROOM
RENOVATION

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CONSTRUCTION DOCUMENTS



DRAWN BY: RR

PROJECT NUMBER: 222079.00

PROJECT ISSUE DATE: 12/15/2025

REV. NO.	DESCRIPTION	DATE

POWER PLAN

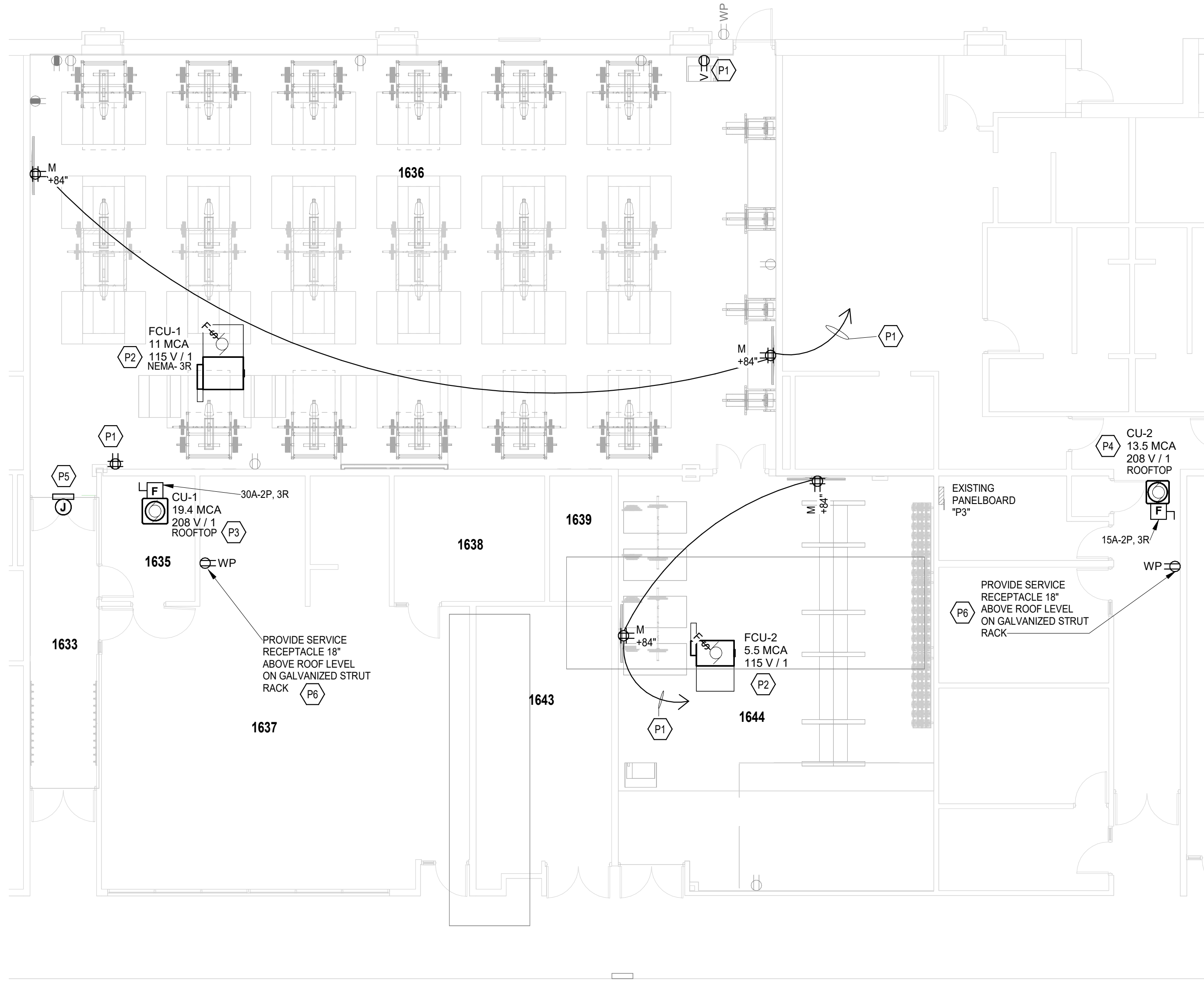
E5.01

ROOM LEGEND		
ROOM NO.	ROOM NAME	AREA (SF)
1633	CORRIDOR	172 SF
1635	SUPPLIES	106 SF
1636	WEIGHT TRAINING	2807 SF
1637	TREATMENT	1146 SF
1638	OFFICE	171 SF
1639	STORAGE	70 SF
1643	STORAGE	324 SF
1644	WEIGHT TRAINING/STORAGE	1165 SF

GENERAL NOTES - POWER

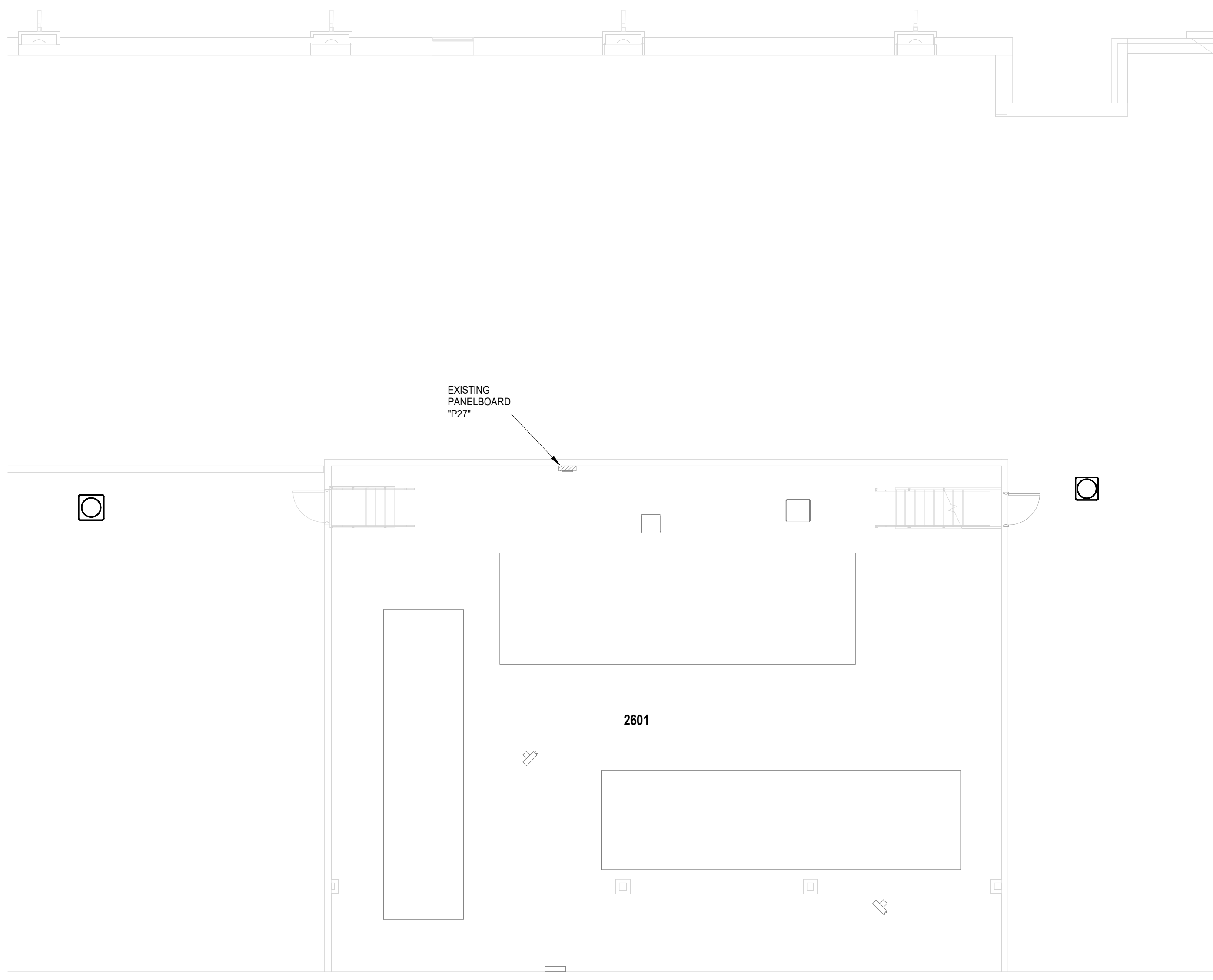
1. PROVIDE A TYPED PANELBOARD CIRCUIT DIRECTORY FOR EACH PANELBOARD WITH LOAD DESCRIPTIONS PER CONTRACT DOCUMENTS AND FINALOWNERS ROOM NUMBERS. ANY CIRCUITS ADDED OR MODIFIED DURING CONSTRUCTION SHALL BE INDICATED ACCORDINGLY ON INSTALLED CIRCUIT DIRECTORIES. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
3. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
4. RECEPTACLES LABELED AS "GFI" HAVE GROUND-FAULT CIRCUIT INTERRUPT (GFCI) PROTECTION VIA GFCI TYPE CIRCUIT BREAKER. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR THESE RECEPTACLES AND ANY OTHER RECEPTACLES SERVED BY A GFCI CIRCUIT BREAKER.
5. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
6. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.
7. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICALELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.
8. PROVIDE BOX EXTENSIONS FOR BACKBOXES AS REQUIRED MOUNT DEVICES FLUSH WITH FACE OF FINISH MOUNTING SURFACE. COORDINATE ROUGH-IN AND INSTALLATION WITH THE A SERIES DRAWINGS AND OTHER TRADES AS REQUIRED PRIOR TO ROUGH-IN.

KEYNOTES	
P1	CONNECT NEW RECEPTACLE CIRCUIT TO A SPARE 20 AMP CIRCUIT BREAKER IN EXISTING PANELBOARD "P3" IN ELECTRICAL ROOM #2.
P2	PROVIDE 2 #12, 1#10G IN 3/4" CONDUIT TO EXISTING PANELBOARD "P27". CONNECT TO A NEW 15 AMP 1-POLE CIRCUIT BREAKER.
P3	PROVIDE 2 #10, 1#10G IN 3/4" CONDUIT TO EXISTING PANELBOARD "P27". CONNECT TO A NEW 30 AMP 2-POLE CIRCUIT BREAKER. PROVIDE AND CONNECT THROUGH A 30A, 2-POLE FUSED DISCONNECT SWITCH.
P4	PROVIDE 2 #12, 1#12G IN 3/4" CONDUIT TO EXISTING PANELBOARD "P27". CONNECT TO A NEW 15 AMP 2-POLE CIRCUIT BREAKER. PROVIDE AND CONNECT THROUGH A 15A, 2-POLE FUSED DISCONNECT SWITCH.
P5	CONNECT JUNCTION BOX FOR DOOR HARDWARE TO A SPARE 20 AMP CIRCUIT BREAKER IN EXISTING PANELBOARD "P3".
P6	CONNECT NEW ROOFTOP RECEPTACLE TO NEAREST RECEPTACLE CIRCUIT.



FIRST FLOOR POWER PLAN

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



SECOND FLOOR - POWER PLAN

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

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A circular professional engineer seal for the State of Ohio. The outer ring contains the text "STATE OF OHIO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The center of the seal contains the name "MARK Z. HOFF" and the registration number "E.79009". The word "REGISTERED" is written in a smaller arc below the registration number. The seal is signed with a stylized signature across it.

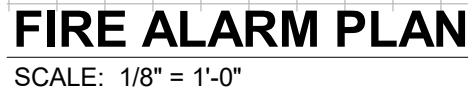
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E6.01

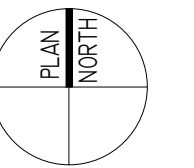
GENERAL NOTES - FIRE ALARM

- [illegible]

F1	RECONNECT EXISTING FIRE ALARM DEVICE TO WIRING THAT WAS TIED BACK DURING DEMOLITION. EXTEND EXISTING WIRING AS REQUIRED.
----	--



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



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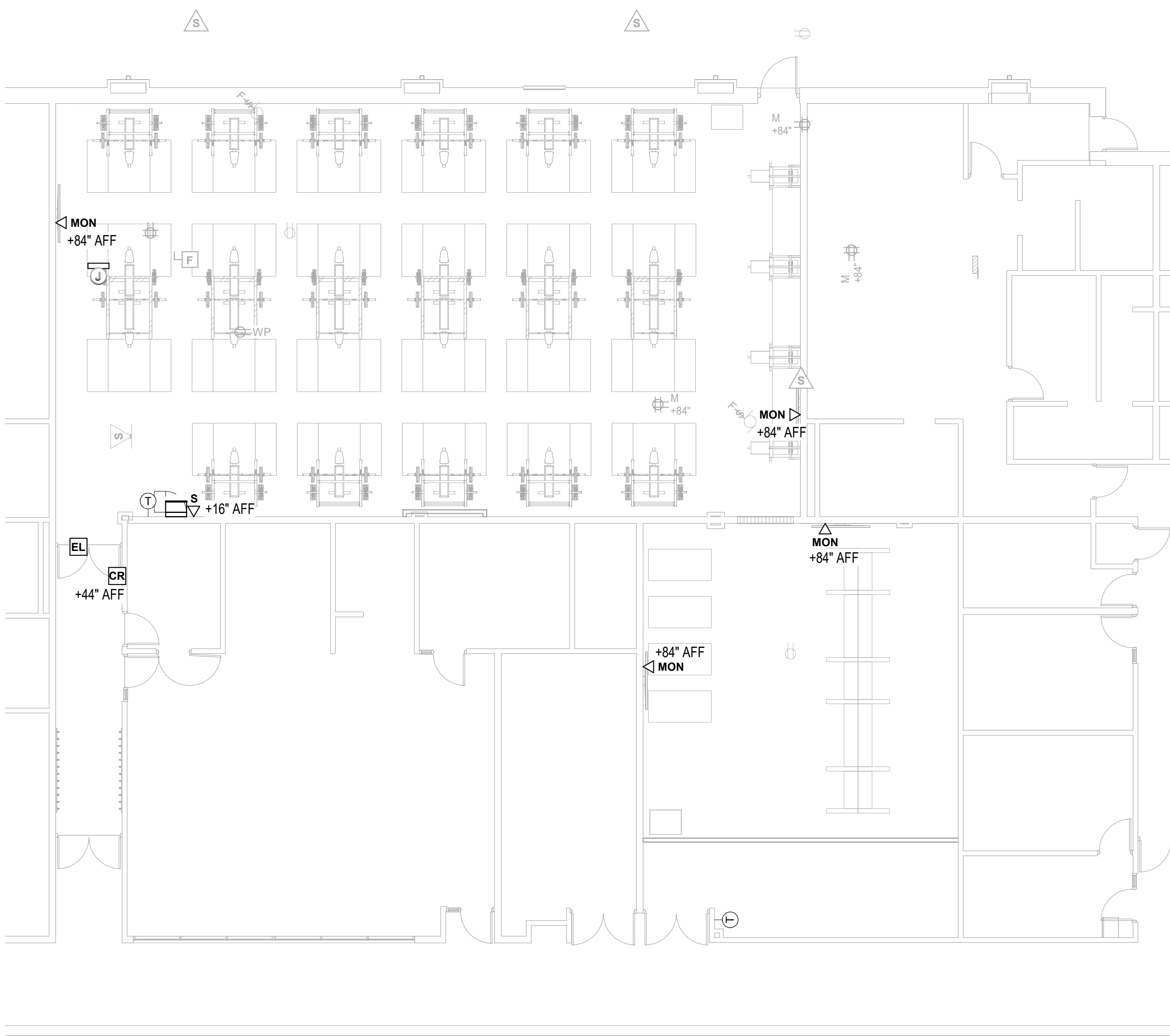
ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
FIRST FLOOR			
1633		CORRIDOR	172 SF
1635		SUPPLIES	106 SF
1636		WEIGHT TRAINING	2805 SF
1637		TREATMENT	1146 SF
1638		OFFICE	171 SF
1639		STORAGE	70 SF
1643		STORAGE	324 SF
1644		WEIGHT TRAINING/STORAGE	900 SF
1644B		PE STORAGE	253 SF

TECHNOLOGY ROUGH-IN GENERAL NOTES

A. DEVICES SHALL BE INSTALLED AT LOCATIONS SHOWN ON DRAWINGS. LOCATIONS OF DEVICES SHALL BE COORDINATED WITH OTHER ELECTRICAL DEVICES/ CASEWORK/ ARCHITECTURAL FEATURES AND OTHER TRADES PRIOR TO ROUGH-IN. IF RELOCATION OF DEVICES IS REQUIRED DUE TO LACK OF COORDINATION BETWEEN ELECTRICAL DRAWINGS AND OTHER TRADES, ANY ASSOCIATED COSTS SHALL BE RESPONSIBILITY OF ELECTRICAL CONTRACTOR.

ROUGH-IN PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)



1 FIRST FLOOR TECHNOLOGY ROUGH-IN PLAN - UNIT A

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

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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DUBLIN JEROME WEIGHT ROOM RENOVATION

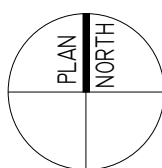
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CONSTRUCTION DOCUMENTS



DRAWN BY: CD
PROJECT NUMBER: 225079.00
PROJECT ISSUE DATE: 12/15/2025

REV. NO.	DESCRIPTION	DATE

FIRST FLOOR TECHNOLOGY
ROUGH-IN PLAN - UNIT A

E3.01A

COMMUNICATIONS ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
	COMMUNICATIONS OUTLET. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	16"	-
	WALL MOUNTED COMMUNICATIONS OUTLET. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1.5" RACEWAY STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	NOTED ON DRAWINGS	-
	MULTI CAPACITY FLOOR BOX WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING AND ONE (1) 1" CONDUIT TO NEAREST TELECOMMUNICATIONS ROOM. PROVIDE PLASTIC BUSHINGS AND PULL STRINGS.	F	-
	SOUND SYSTEM LOCATION. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 1 (ONE) 1.5" RACEWAY STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING. COORDINATE WITH TECHNOLOGY AND ARCHITECTURAL DRAWINGS.	16"	-
	WALL MOUNTED WIRELESS ACCESS POINT. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	10'-0"	-
	CEILING MOUNTED WIRELESS ACCESS POINT. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	C	-
	16" CABLE TRAY. UNLESS OTHERWISE NOTED	-	-
	2" CONDUIT SLEEVES BETWEEN WALLS. UNLESS OTHERWISE NOTED	-	-
	2 (TWO) 4" CONDUIT SLEEVES BETWEEN FLOORS	-	-
	4' x 8' x 3/4" FIRE RATED PLYWOOD	-	-
	POKE-THRU FLOOR BOX WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING AND ONE (1) 1" CONDUIT TO NEAREST TELECOMMUNICATIONS ROOM. PROVIDE PLASTIC BUSHINGS AND PULL STRINGS.	F	-

ACCESS CONTROL ROUGH-IN SYMBOLS

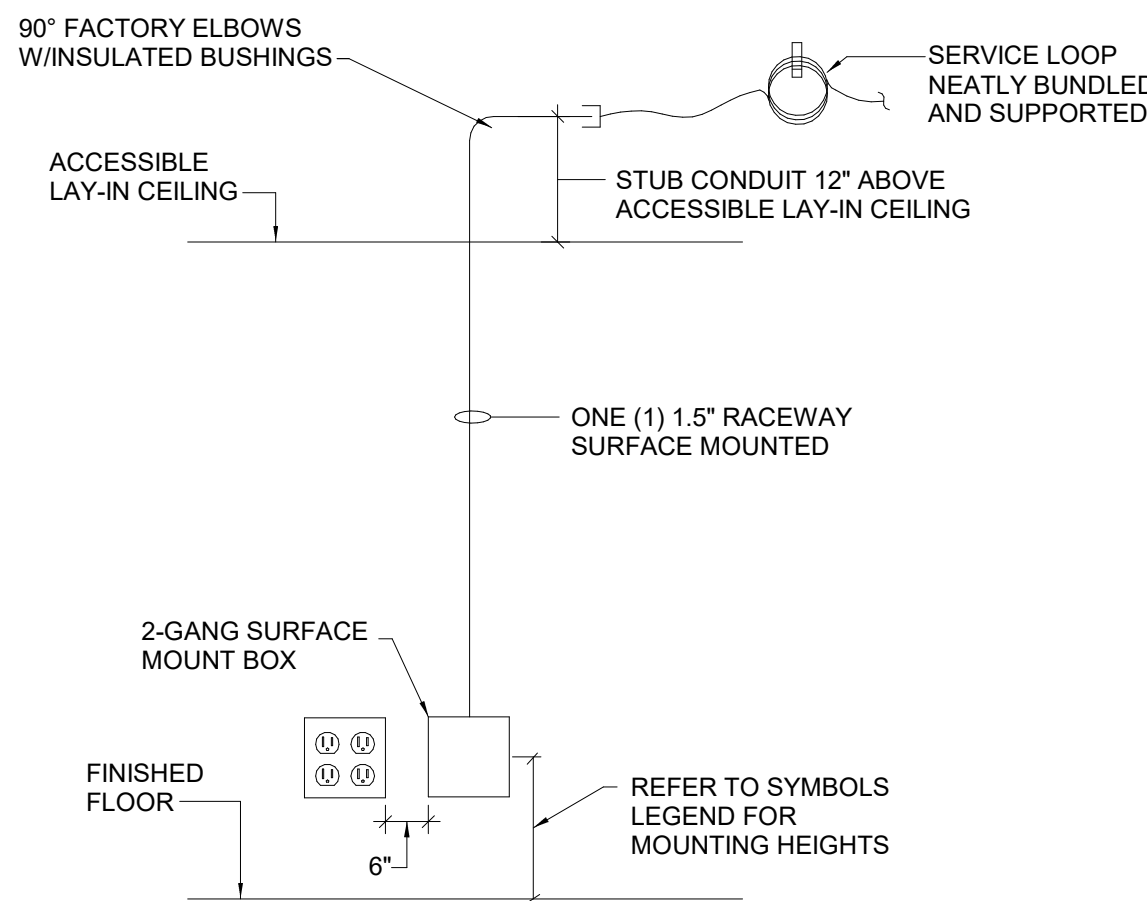
SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
	ACCESS CONTROL PANEL, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE LAY-IN CEILING WITH PULL STRING	-	-
	CARD READER, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	44"	-
	ELECTRONIC LATCH, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	-	-
	24" W x 24" H x 6" D JUNCTION BOX ABOVE DOOR FOR ACCESS CONTROL DOOR CONTROLLER	ABOVE CLG.	-
	KEY BOX, 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING, 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	60"	-
	PUSH TO RELEASE BUTTON, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"	-
	AUTOMATIC DOOR OPERATOR, 1" CONDUIT TO JUNCTION BOX ABOVE DOOR	-	-
	REQUEST TO EXIT SWITCH, 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING, 1 (ONE) 1" CONDUIT TO JUNCTION BOX ABOVE DOOR (LOCATED IN JUNCTION BOX HARDWARE)	-	-

PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
	SOUND SYSTEM ANTENNA. 1 GANG, 3.5" DEEP BOX WITH 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX	BETWEEN JOISTS	
	CEILING MOUNTED SOUND SYSTEM SPEAKER. 1 GANG BOX WITH 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX	-	
	WALL MOUNTED SOUND REINFORCEMENT SPEAKER BOX. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	-	
	MICROPHONE INPUT. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	-	16"
	AUXILIARY INPUT. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	-	16"
	WALL MOUNTED MICROPHONE/AUXILIARY INPUT. 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	-	16"
	WALL MOUNTED SOUND SYSTEM SPEAKER OUTLET. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	-	
	LINE ARRAY COLUMN SPEAKERS- WALL MOUNTED. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	-	
	RECESSED JUNCTION BOX FOR SOUND SYSTEM. REFER TO DETAILS AND FLOORPLANS FOR SIZE.	-	16"
	PRODUCTION INTERCOM. 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT TO SOUND SYSTEM JUNCTION BOX WITH PULL STRING.	-	

INTERCOMMUNICATIONS AND PROGRAM SYSTEMS ROUGH-IN SYMBOLS

SYMBOL	DESCRIPTION	MH UNO	ROUGH-IN DETAIL #
 IC	CALL-IN SWITCH: 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"	
 VC	VOLUME CONTROL: 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	44"	
 IC	WALL MOUNTED HORN SPEAKER: 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	96"	
 M	SOUND SYSTEM MASTER STATION: 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	-	-
 A	ROOF MOUNTED AM/FM ANTENNA	ROOF	
 WR	REMOTE DESK INTERCOM CABINET ROUGH-IN: 2 GANG, 3.5" DEEP BOX WITH 2 GANG MUD RING. 2 (TWO) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING. COORDINATE WITH CASEWORK.	-	-
 IC	METAL SURFACE WALL MOUNTED SPEAKER: 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING. WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH PLASTIC BUSHING AND PULL STRING.	96"	
 IC	SURFACE MOUNTED CEILING SPEAKER: 2 GANG, 3.5" DEEP BOX WITH 1 GANG MUD RING WITH 1 (ONE) 1" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING OR RUN TO NEXT SPEAKER LOCATION. PROVIDE PLASTIC BUSHING AND PULL STRING.	-	-
 ICS	INTERCOMM STROBE LAMP.	C	-



ROUGH-IN NOTES:

1. RECEPTACLES ARE SHOWN FOR COORDINATION ONLY. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY, CIRCUITING, MOUNTING, AND ADDITIONAL REQUIREMENTS.
2. PROVIDE PULL STRINGS IN ALL CONDUITS. PULL STRINGS SHALL BE INSTALLED IN EMPTY AND FULL CONDUITS.
3. MOUNTING HEIGHTS TO BE INSTALLED ABOVE COUNTERS OR IN CASEWORK SHALL BE COORDINATED WITH THE ARCHITECT AND GENERAL CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN.

WITH ACCESSIBLE LAY-IN CEILING

2-GANG TELECOMMUNICATIONS OUTLET ROUGH IN DETAIL

NOT TO SCALE

FANNING HOWEY

614-764-4661

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CONSTRUCTION DOCUMENTS



DRAWN BY: CD

PROJECT NUMBER: 225079.00

PROJECT ISSUE DATE: 12/15/2025

[illegible]

TECHNOLOGY ROUGH-IN DETAILS

E3.17

DUBLIN JEROME WEIGHT ROOM RENOVATION

3300 HYLAND CROY ROAD
DUBLIN, OH 43016

DUBLIN CITY SCHOOLS

ARCHITECT

FANNING HOWEY

614-764-4661

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CONSTRUCTION DOCUMENTS



DRAWN BY: CD

PROJECT NUMBER: 225079.00

PROJECT ISSUE DATE: 12/15/202

[illegible]

FIRST FLOOR TECHNOLOGY PLAN UNIT A

T3.01

ROOM LEGEND			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
FIRST FLOOR			
1633		CORRIDOR	172 SF
1635		SUPPLIES	106 SF
1636		WEIGHT TRAINING	2806 SF
1637		TREATMENT	1146 SF
1638		OFFICE	171 SF
1639		STORAGE	70 SF
1643		STORAGE	324 SF
1644		WEIGHT TRAINING/STORAGE	900 SF
1644B		PE STORAGE	253 SF

TECHNOLOGY PLAN GENERAL NOTES

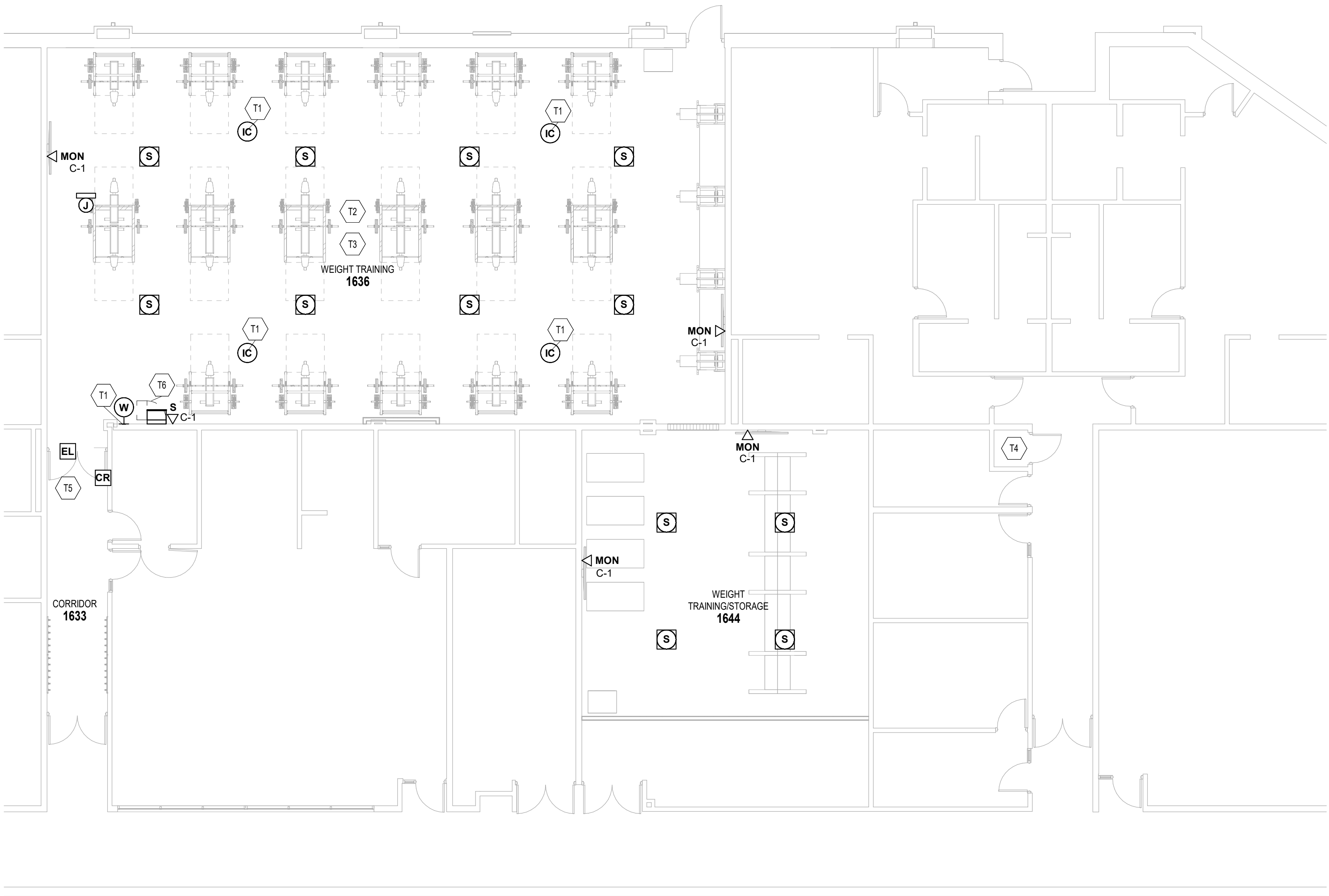
A. DEVICES SHALL BE INSTALLED AT LOCATIONS SHOWN ON DRAWINGS. LOCATIONS OF DEVICES SHALL BE COORDINATED WITH OTHER ELECTRICAL DEVICES/ CASE/WORK/ ARCHITECTURAL FEATURES AND OTHER TRADES PRIOR TO ROUGH-IN. IF RELOCATION OF DEVICES IS REQUIRED DUE TO LACK OF COORDINATION BETWEEN ELECTRICAL DRAWINGS AND OTHER TRADES, ANY ASSOCIATED COSTS SHALL BE RESPONSIBILITY OF ELECTRICAL CONTRACTOR.

TECHNOLOGY PLAN NOTES

ALL NOTES MAY NOT BE INDICATED ON THIS SHEET

NOTE

- 71 REMOVE EXISTING EQUIPMENT AND SECURELY STORE
DURING CONSTRUCTION. RE-INSTALL A TEST TO VERIFY
FUNCTIONALITY OF THE SPEAKERS-QTY 4, WIRELESS
COMMUNICATIONS QTY 1, WALL PHONE-QTY 2
- 72 ASSIGN CONTRACTOR TO DEMOLISH EXISTING
MONITORS, MOUNTS AND CABLEING PRIOR TO
CONSTRUCTION QTY 2
- 73 ASSIGN CONTRACTOR TO DEMOLISH EXISTING
SOUND SYSTEM SPEAKERS AND CABLEING PRIOR TO
CONSTRUCTION QTY 8, EXISTING PA SPEAKERS QTY 4
4 EXISTING PA SPEAKERS AND CABLEING TO BE REMOVED
TO MATCH CEILING BEFORE RE-INSTALLATION
- 74 LOCATION OF TRI TELECOMMUNICATION EQUIPMENT ROCK
WITH (PACKS), CABINET(S), SWITCHES AND UPS ETC.
CONTRACTOR TO CONFIRM LOCATION AND ALL
REQUIREMENTS WITH OWNER
- 75 PROVIDE ELECTRONIC LOCK AND CARD READER. SEE
DETAIL 117.102. VERIFY EXISTING CONDITIONS AND ACCESS
CONTROL FOR RE-INSTALLATION
- 76 SEE DETAIL 3.3, 471.02 FOR SOUND SYSTEM WIRING AND
CONDUIT SCHED DIAGRAM



1 FIRST FLOOR TECHNOLOGY PLAN
SCALE: 1/8" = 1'-0"

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

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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COMMUNICATIONS SYMBOLS LEGEND		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	COMMUNICATIONS OUTLET, TYPICAL 2 (TWO) CAT 6 COPPER CABLES. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	LOCATION OF SOUND SYSTEM CABINET, TYPICAL 1 (ONE) WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	MULTI CAPACITY FLOOR BOX, WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	POKE-THRU FLOOR BOX, TYPICAL 2 (TWO) CAT 6 COPPER CABLES, 1 HDMI CABLE, 1 AUDIO CABLE.	-
	WALL MOUNTED MONITOR, TYPICAL 4 (FOUR) CAT 6 COPPER CABLES AT LOCATION. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	WALL MOUNTED MONITOR, TYPICAL 1 (1) CAT 6 COPPER CABLES. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	SEE AV WIRING DETAILS
	CEILING MOUNTED WIRELESS ACCESS POINT LOCATION. PROVIDE CATEGORY 6A DATA DROPS FOR WIRELESS ACCESS POINTS. PROVIDE 20 FEET SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON RECORD DRAWINGS AND MARK LOCATION ON CEILING GRID WITH BLUE DOT. SLACK LOOP NOT NECESSARY FOR LOCATIONS WITH CONDUIT SUCH AS GYMNASIUMS WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING.	-
	WALL MOUNTED WIRELESS ACCESS POINT LOCATION. PROVIDE CATEGORY 6A DATA DROPS FOR WIRELESS ACCESS POINTS. PROVIDE 20 FEET SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON RECORD DRAWINGS AND MARK LOCATION ON CEILING GRID WITH BLUE DOT. SLACK LOOP NOT NECESSARY FOR LOCATIONS WITH CONDUIT SUCH AS GYMNASIUMS WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING.	-
	VIDEO INPUT LOCATION WITH COMMUNICATIONS OUTLET, TYPICAL 2 (TWO) CAT 6 COPPER CABLES. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	12" BASKET TRAY	-
	18" BASKET TRAY	-
	18" LADDER TRAY	-
	CONDUIT SLEEVES BETWEEN WALLS	-
	2 (TWO) 4" CONDUIT SLEEVES BETWEEN FLOORS	-
	TELEPHONE TERMINATION BOARD	-
	TECHNOLOGY EQUIPMENT RACK	-
	TECHNOLOGY EQUIPMENT CABINET	SEE AV WIRING DETAILS
	4-POST TECHNOLOGY EQUIPMENT RACK	-

INTERCOMMUNICATIONS AND PROGRAM SYSTEMS SYMBOLS LEGEND		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	CALL-IN SWITCH.	
	VOLUME CONTROL	
	RECESSED CEILING SPEAKER	
	RECESSED CEILING SPEAKER - WITH VOLUME CONTROL	
	WALL MOUNTED HORN SPEAKER	
	INTERCOM SYSTEM MASTER CONSOLE STATION	
	AM/FM ANTENNA	
	WEATHER RADIO (REMOTE DESK INTERCOM CABINET)	
	SURFACE MOUNTED SPEAKER	
	SURFACE MOUNTED CEILING SPEAKER	

AUDIO/VIDEO ACCESS CONTROL SYMBOLS LEGEND		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	MASTER INTERCOM	-
	INTERCOM BOX	-
	WEATHER PROOF COMMUNICATIONS OUTLET	-

PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	ANTENNA	-
	SOUND SYSTEM SPEAKER - CEILING MOUNTED	SEE AV WIRING DETAILS
	GYMNASIUM SOUND REINFORCEMENT SPEAKER - CEILING MOUNTED	-
	MULTI-PURPOSE ROOM SOUND REINFORCEMENT SPEAKER - CEILING MOUNTED	-
	CLASSROOM SOUND REINFORCEMENT SPEAKER - WALL MOUNTED	-
	WALL MOUNTED SPEAKER	-
	WALL MOUNTED SPEAKER OUTLET	-
	CEILING MOUNTED SPEAKER OUTLET	-
	LINE ARRAY COLUMN SPEAKERS - WALL MOUNTED	-
	FULL RANGE CEILING SPEAKER	-
	PRODUCTION INTERCOM	-
	WALL MICROPHONE INPUT	-
	CEILING MICROPHONE	-
	AUX. INPUT	-
	MONITOR OUTPUT	-
	RECESSED JUNCTION BOX FOR SOUND SYSTEM	-
	SUBWOOFER	-
	WALL MOUNTED MICROPHONE/AUXILIARY INPUT	-

VIDEO SURVEILLANCE CAMERA SYMBOLS LEGEND		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	CEILING MOUNTED VIDEO SURVEILLANCE CAMERA, TYPICAL 1 (ONE) CAT 6 CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	CEILING MOUNTED VIDEO SURVEILLANCE CAMERA, TYPICAL 1 (ONE) CAT 6 CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	CEILING MOUNTED VIDEO SURVEILLANCE CAMERA, TYPICAL 1 (ONE) CAT 6 CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	CEILING MOUNTED VIDEO SURVEILLANCE CAMERA, TYPICAL 1 (ONE) CAT 6 CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	CEILING MOUNTED VIDEO SURVEILLANCE CAMERA, TYPICAL 1 (ONE) CAT 6 CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	CEILING MOUNTED 360 DEGREE VIDEO SURVEILLANCE CAMERA, TYPICAL 1 (ONE) CAT 6 CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-

VIDEO SURVEILLANCE CAMERA SYMBOLS LEGEND		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	WALL MOUNTED VIDEO SURVEILLANCE CAMERA, TYPICAL 1 CAT 5E COPPER CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	WALL MOUNTED VIDEO SURVEILLANCE CAMERA, TYPICAL 1 CAT 5E COPPER CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-

ACCESS CONTROL SYMBOLS LEGEND		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	ACCESS CONTROL PANEL	-
	CARD READER	1/T-502
	ELECTRONIC LATCH SET WITH ELECTRONIC POWER TRANSFER	1/T-502
	AUTOMATIC DOOR PUSHBUTTON	-
	CEILING MOUNTED DOOR ACCESS CONTROLLER JUNCTION BOX, TYPICAL 1 CAT 5E COPPER CABLE. WHEN INDICATED WITH C-x, x = THE QUANTITY OF COMMUNICATIONS COPPER HORIZONTAL CABLING, IN ADDITION TO OTHER CABLES NOTED.	-
	PUSH TO RELEASE BUTTON	-
	AUTOMATIC DOOR OPERATOR. INTEGRATE ADD INTO ACCESS CONTROL SYSTEM.	-
	LOCKDOWN BUTTON	-
	DOOR INTERCOM	-
	REQUEST TO EXIT SWITCH (LOCATED IN EXIT DOOR HARDWARE)	-

INTRUSION DETECTION SYMBOLS LEGEND		
SYMBOL	DESCRIPTION	WIRING DETAIL(S) UNO
	INTRUSION DETECTION PANEL	-
	DOOR CONTACT ROUGH-IN	-
	KEYPAD	-
	CEILING MOUNTED MOTION DETECTOR	-
	WALL MOUNTED MOTION DETECTOR	-
	360 DEGREE CEILING MOUNTED MOTION DETECTOR	-
	KNOX BOX	-

TECHNOLOGY GENERAL NOTES

- A** THE COMMUNICATIONS CABLING CONTRACTOR(S) IS/ARE RESPONSIBLE FOR ANY ADDITIONAL CONDUIT SLEEVES, OUTLET/JUNCTION BOXES, SURFACE RACEWAY, CABLE TRAY, DOUBLE GANG SQUARE PLASTER MUD RINGS, ETC.
- B** THE COMMUNICATIONS CABLING CONTRACTOR(S) IS/ARE RESPONSIBLE FOR EXTENDING THE ELECTRICAL SERVICE FROM THE ELECTRICAL JUNCTION BOX IN THE SPACE TO ALL THE COMMUNICATIONS RACKS/CABINETS.
- C** THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR REPLACING/REPAIRING DAMAGED CEILING GRID/TILE AS A RESULT OF THEIR INSTALLATION.
- D** THE CONTRACTOR SHALL VERIFY THE SURFACE RACEWAY LOCATIONS, ROUTING, OPENINGS, ETC. WITH THE BUILDING ELECTRICAL CONTRACTOR. PROVIDE PROPER COVER PLATES FOR THE DEVICES AS REQUIRED.
- E** THE COMMUNICATIONS CABLING CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THE VIDEO MONITOR WITH THE AUDIO/VIDEO EQUIPMENT CONTRACTOR AND ELECTRICAL CONTRACTOR.

TECHNOLOGY ABBREVIATIONS

ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW.

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
B	BLANK
C	CONDUIT
CATV	CABLE ANTENNA TELEVISION
J	JUNCTION BOX
MC/ER / MDF	MAIN CROSS-CONNECT/EQUIPMENT ROOM / MAIN DISTRIBUTION FRAME
+N	INDICATES MOUNTING HEIGHT (N) TO BOTTOM OF DEVICE FROM FINISH FLOOR UNLESS NOTED OTHERWISE
NTS	NOT IN CONTRACT
NIC	NOT TO SCALE
NTS	TEMPERATURE CONTROL PANEL
TCP	TELECOMMUNICATIONS ROOM / INTERMEDIATE DISTRIBUTION FRAME
TR / IDF	TELEPHONE TERMINATION BOARD
T.T.B.	TELEVISION
TV	UNLESS NOTED OTHERWISE
UNO	VERIFY IN FIELD
VIF	VOLUME CONTROL
VC	WALL MOUNTED
W	VIDEO INPUT LOCATION
V.I.	DEMO TABLE
D	WIRE GUARD
WG	RELEASE
R	DUAL FACE
DF	WEATHER PROOF
WP	VIDEO OUTPUT
VO	PAN TILT ZOOM
PTZ	EXISTING TO REMAIN
ETR	VIDEO PROJECTOR
VP	SURFACE MOUNTED
S	

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DUBLIN JEROME WEIGHT ROOM RENOVATION

8300 HYLAND CROY ROAD
DUBLIN, OH 43016

DUBLIN CITY SCHOOLS

ARCHITECT

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HOWEY

614-764-4661

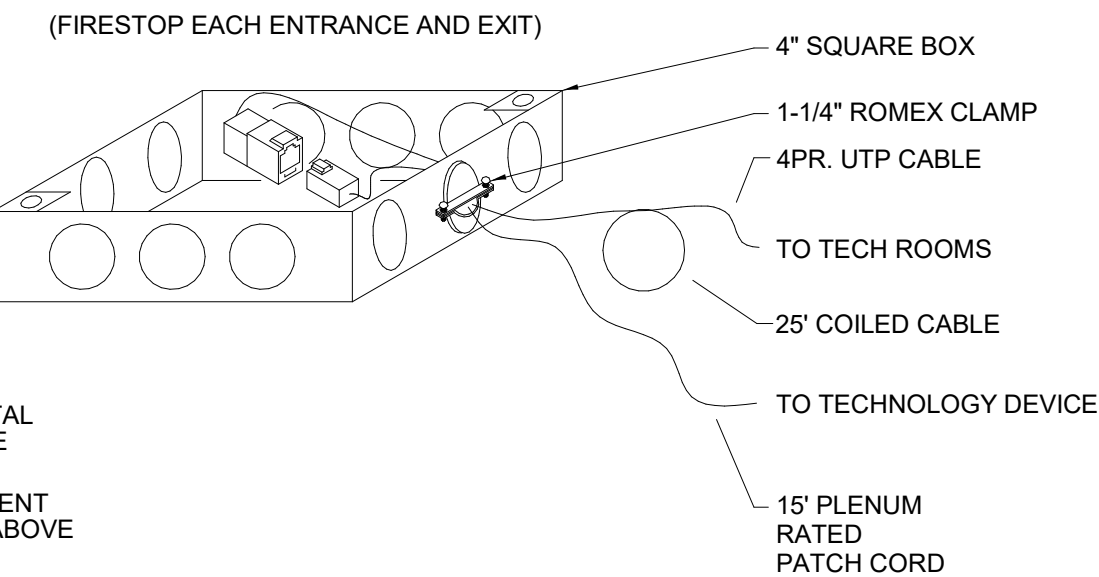
WWW.FHAI.COM

WORK
AREA
OUTLET

WORK
AREA
OUTLET

4 HORIZONTAL DATA CABLE LABELING DETAIL

NOT TO SCALE



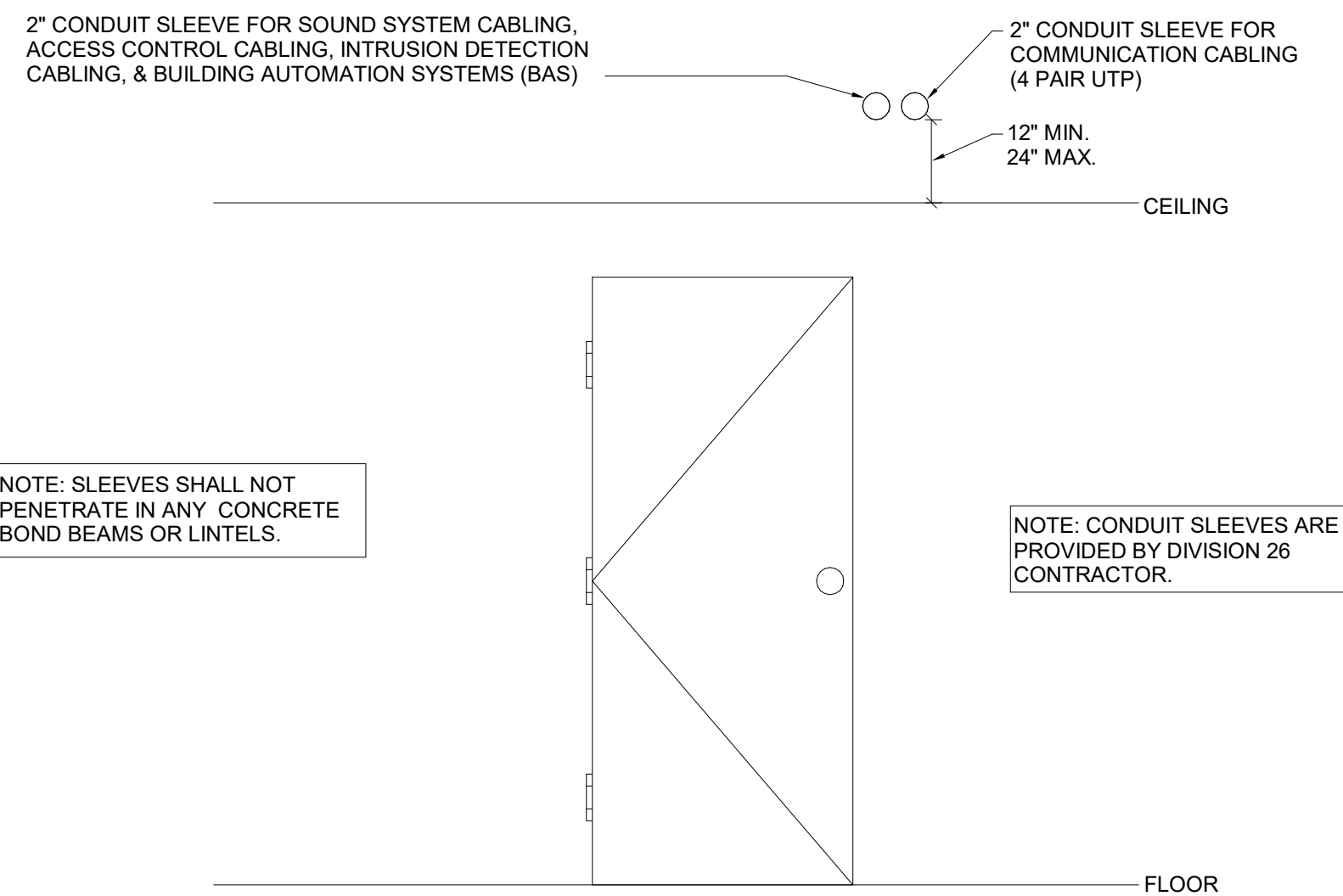
- PROVIDE BOX WITH METAL BLANK COVER PLATE
- HANG FROM INDEPENDENT CEILING WIRE 6" TO 12" ABOVE CEILING TILE

2 ABOVE CEILING JUNCTION BOX WIRING

NOT TO SCALE

1 CONDUIT SLEEVES DETAIL

NOT TO SCALE



CONSTRUCTION DOCUMENTS



DRAWN BY: CD
PROJECT NUMBER: 225070.00
PROJECT ISSUE DATE: 12/15/2025

REV. NO.	DESCRIPTION	DATE

TECHNOLOGY DETAILS

T1.01

DUBLIN JEROME
WEIGHT ROOM
RENOVATION

8300 HYLAND CROY ROAD
DUBLIN, OH 43016

DUBLIN CITY SCHOOLS

ARCHITECT

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HOWEY

614-764-4661 WWW.FHAI.COM



CONSTRUCTION DOCUMENTS

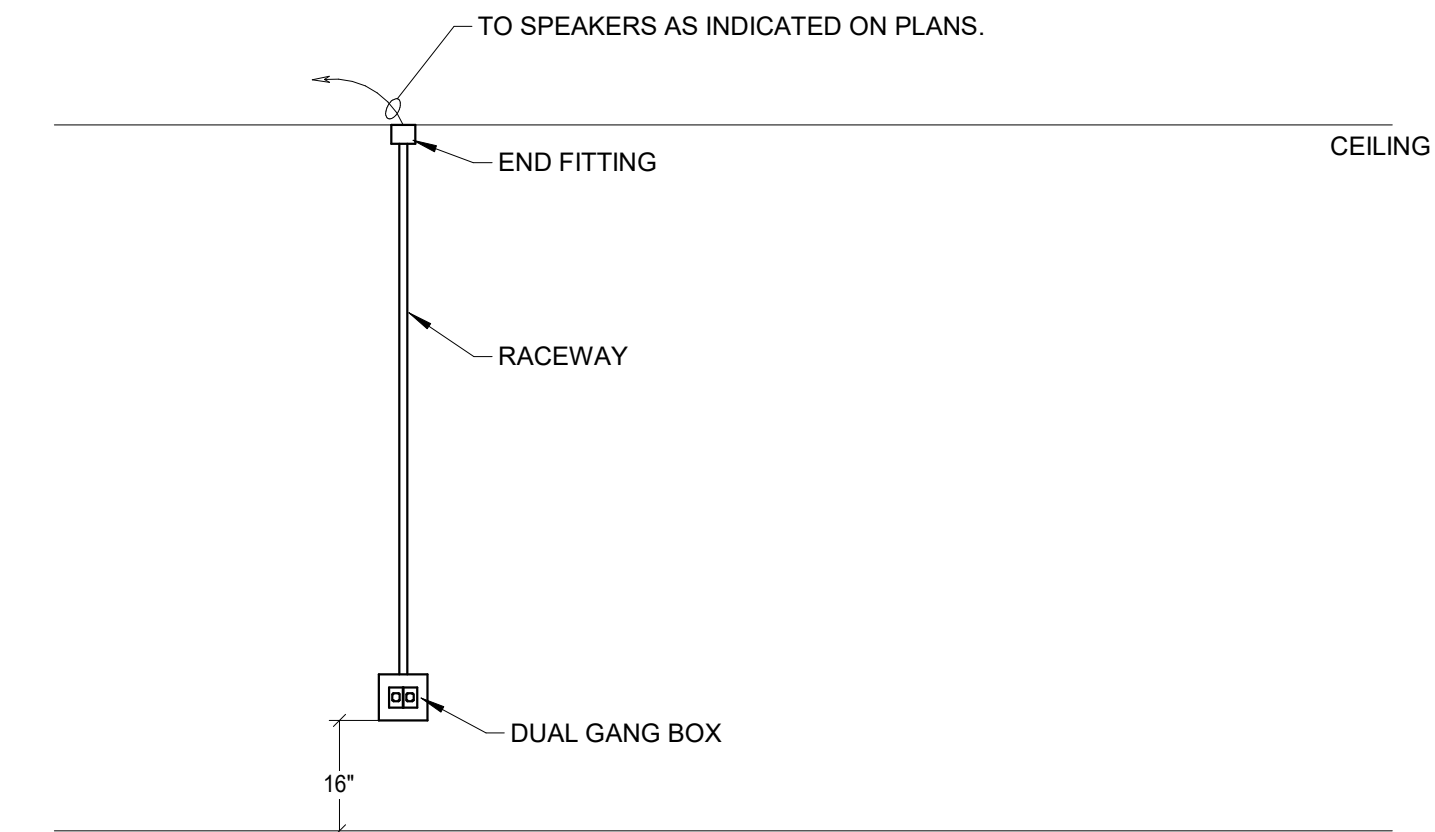


DRAWN BY: CD
PROJECT NUMBER: 222079.00
PROJECT ISSUE DATE: 12/15/2025

REV. NO.	DESCRIPTION	DATE

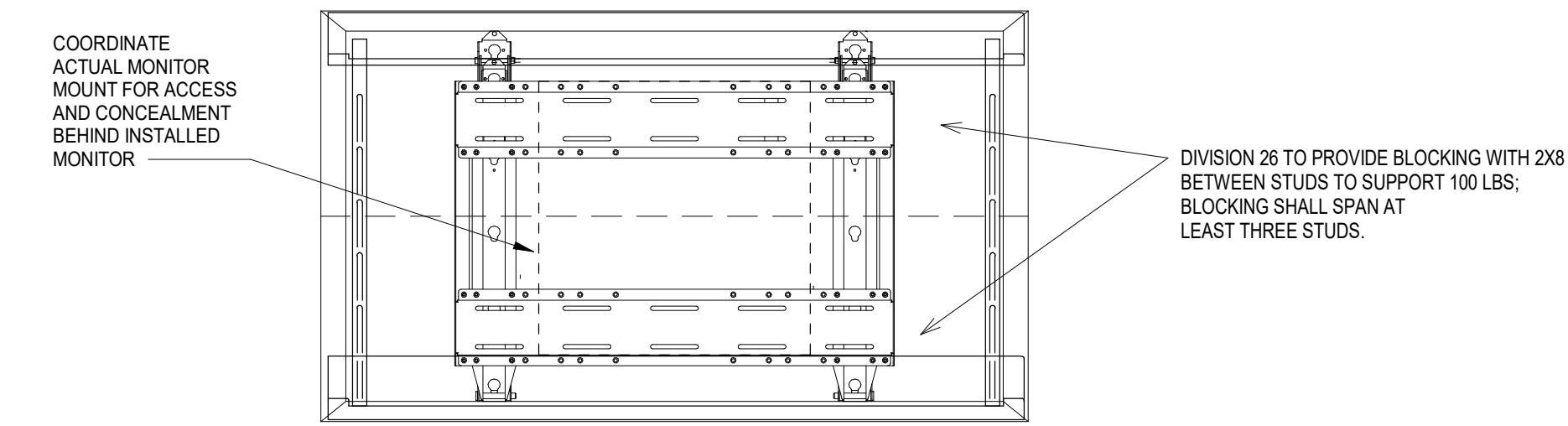
TECHNOLOGY DETAILS

T1.02



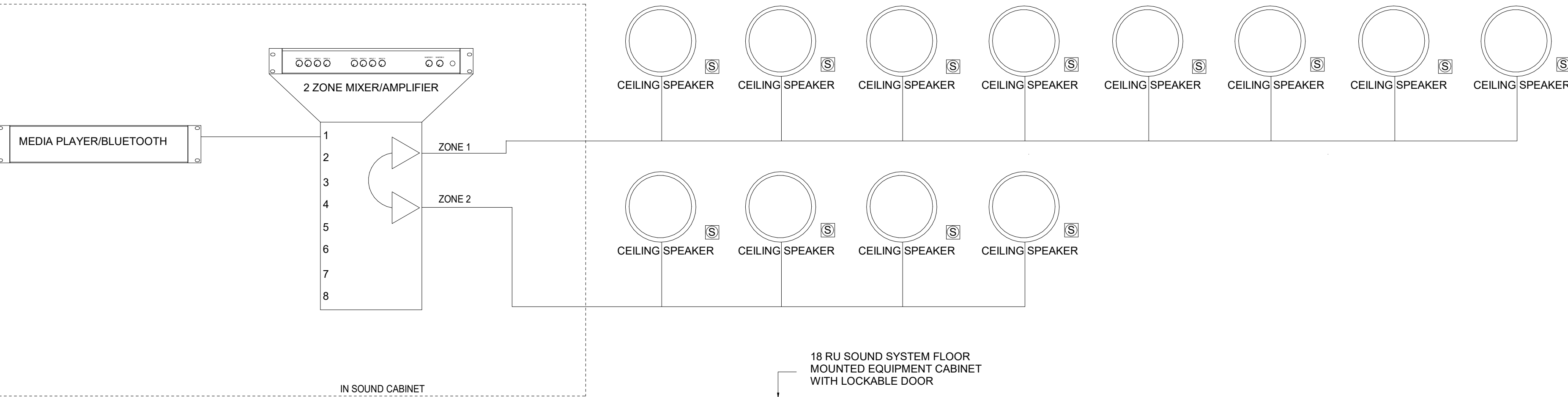
- NOTES:
- A. ALTHOUGH THE MOST BASIC INSTALLATION IS SHOWN IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL INSIDE/ OUTSIDE CORNER PIECES AS WELL AS ANY MISC. PIECES REQUIRED TO FOLLOW EXISTING WALL CONDITIONS.

4 SOUND SYSTEM ROUGH IN DETAIL
NOT TO SCALE



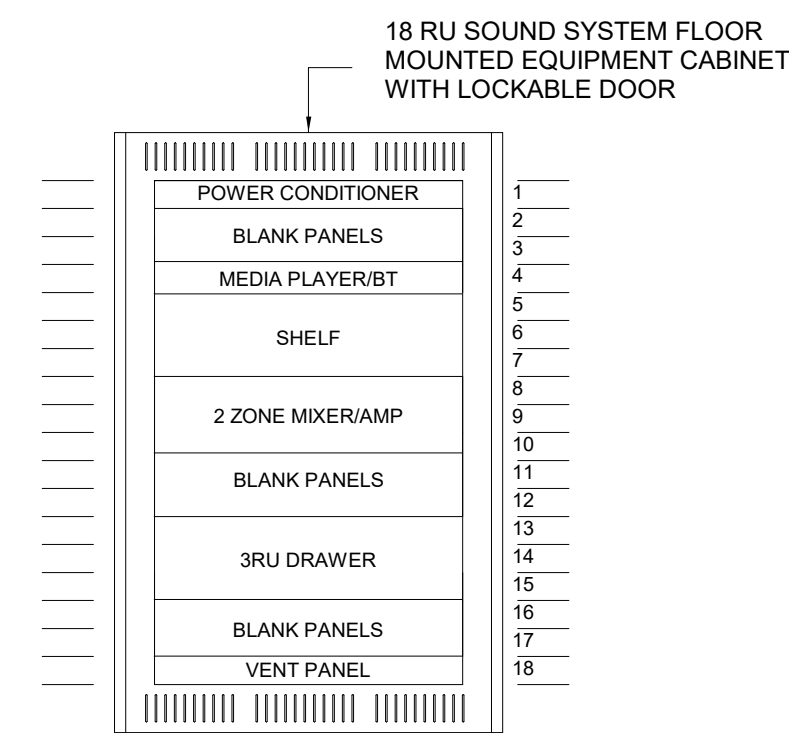
75" FLAT PANEL MONITOR
VIZIO 75" Class Quantum 4K QLED HDR Smart TV (NEW) M75Q6-L4
MOUNT - ECHOGEAR FullTilt TV Wall Mount - Part # EGLT2

2 FLAT PANEL DETAIL
NOT TO SCALE



GENERAL NOTES:

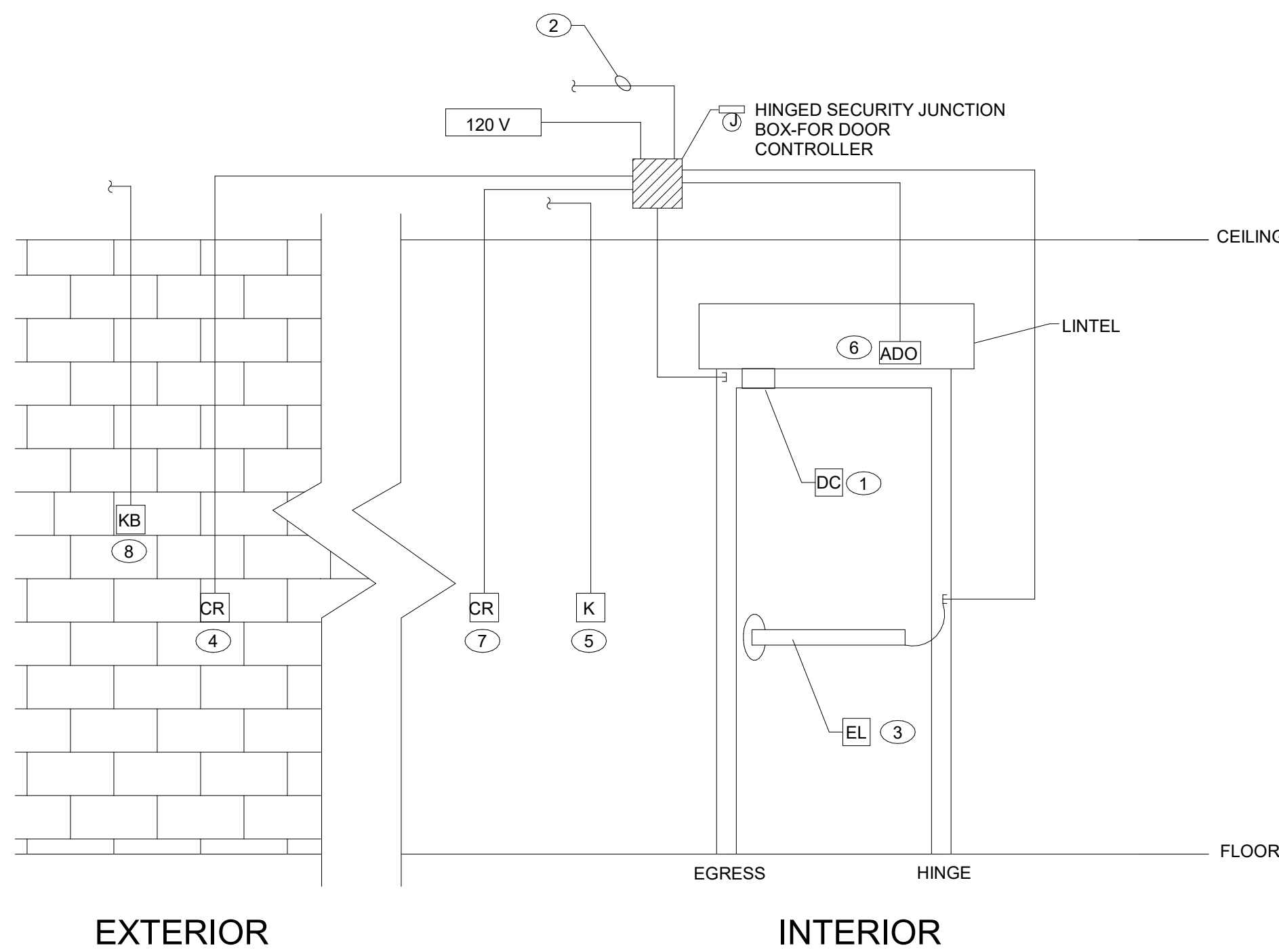
- COORDINATE COLORS OF SPEAKERS WITH ARCHITECT/ENGINEER PRIOR TO ORDERING.
- DETAIL DRAWING IS DIAGRAMMATIC. COORDINATE FINAL CHANNEL ASSIGNMENT WITH OWNER PRIOR TO INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE AND USABLE WORK PER CONTRACT DOCUMENTS. ALL MATERIALS AND EQUIPMENT SHALL BE PROVIDED WITH ALL ACCESSORIES AND ADDITIONAL WORK REQUIRED FOR FIELD CONDITIONS, AS WELL AS ADDITIONAL WORK AND ACCESSORIES REQUIRED FOR COMPLETE, USABLE, AND FULLY FUNCTIONAL CONSTRUCTION AND SYSTEMS, EVEN IF NOT EXPLICITLY SPECIFIED OR INDICATED. COMMUNICATIONS SYSTEM IN THIS CONTRACT SHALL BE PROVIDED AS COMPLETE AND OPERABLE SYSTEMS IN FULL COMPLIANCE WITH REQUIREMENTS ON DRAWINGS AND SPECIFICATION REQUIREMENTS.



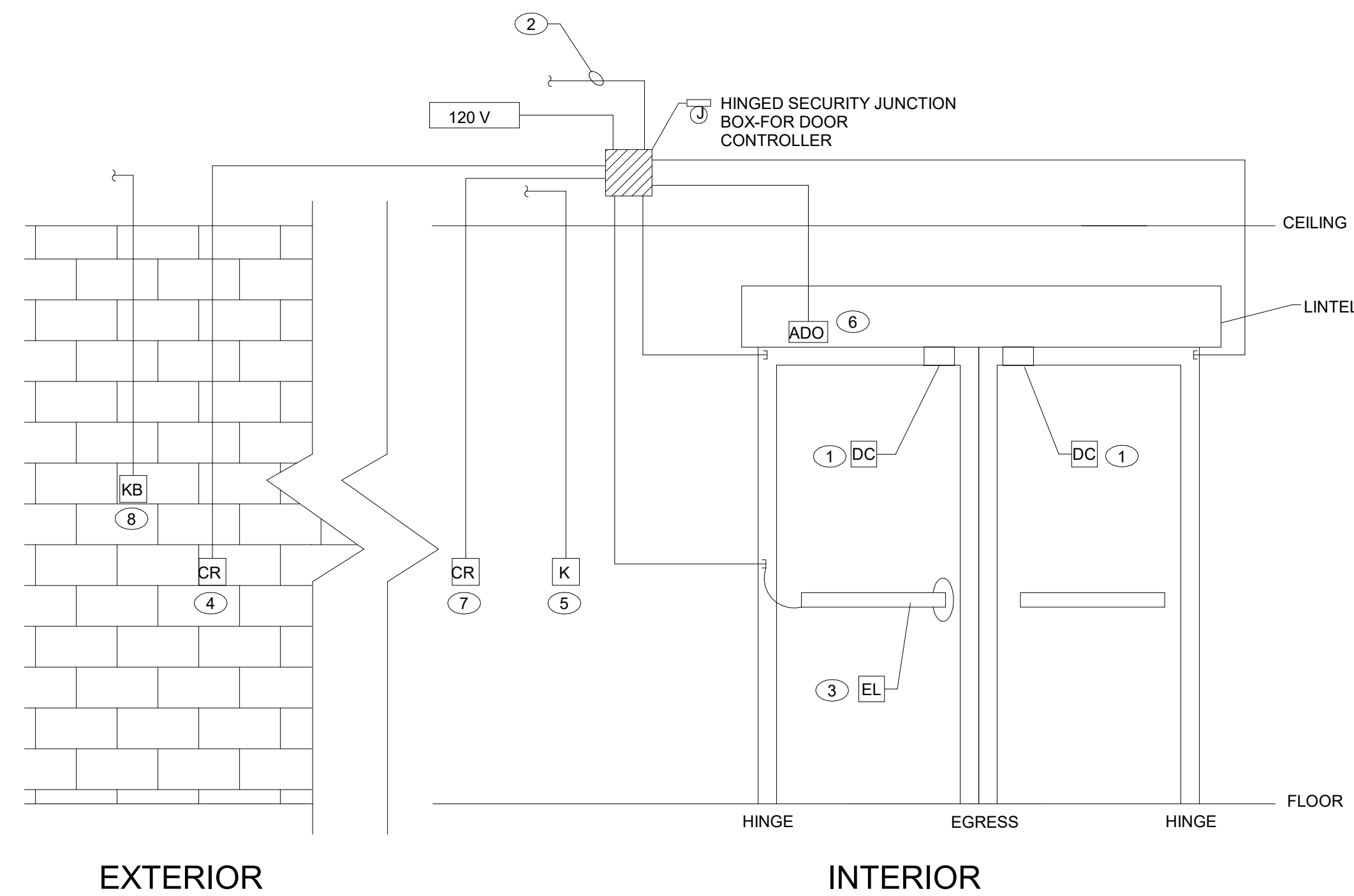
CEILING SPEAKERS - JBL CSS-8008
MEDIA PLAYER - TASCAM CD-400U
2-ZONE MIXER/AMP - JBL CSMA 2120

SOUND SYSTEM
CABINET ELEVATION

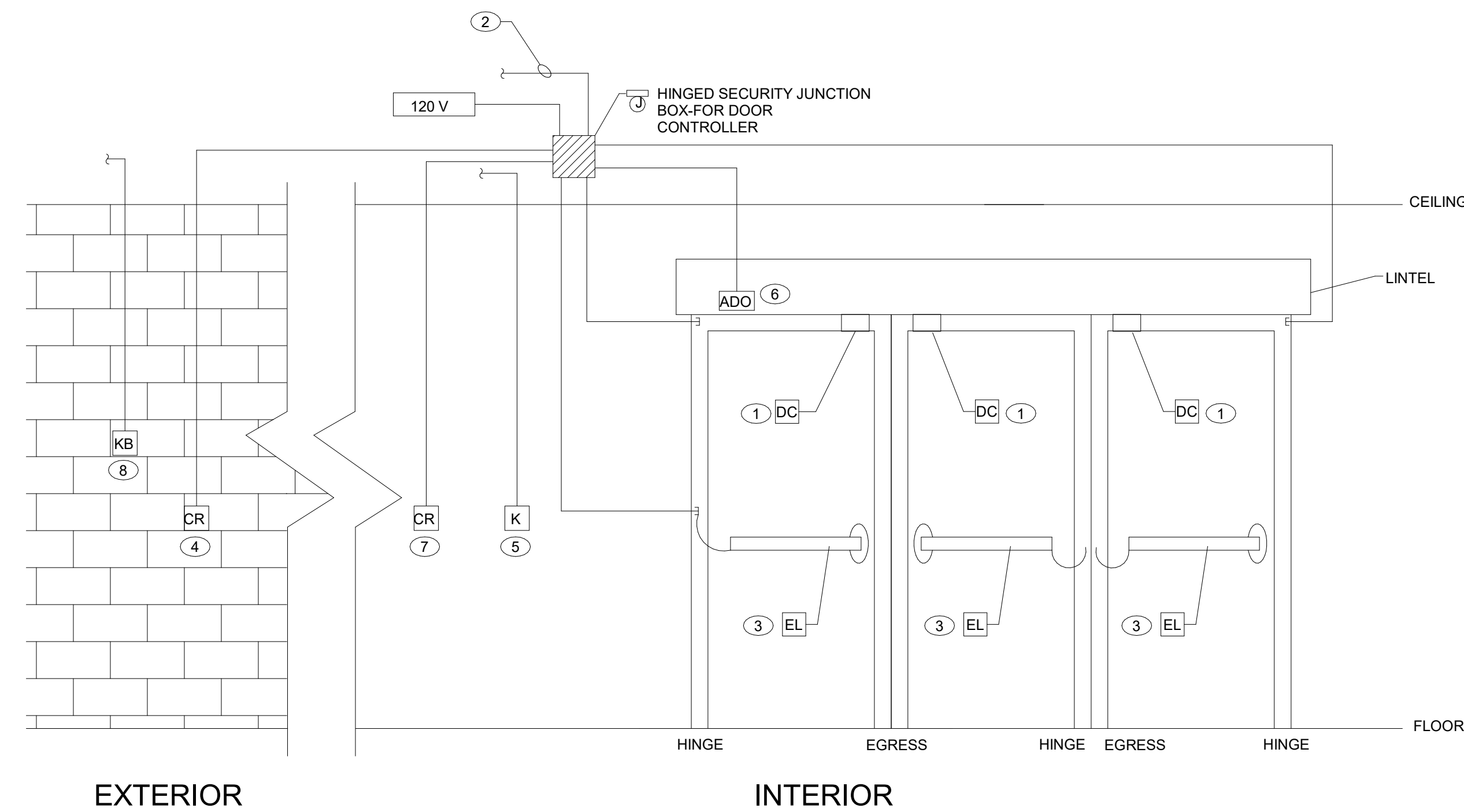
3 AV WIRING SOUND SYSTEM DETAIL
NOT TO SCALE



SINGLE DOOR ENTRY



DOUBLE DOOR ENTRY



MULTIPLE DOOR ENTRY

DOOR SECURITY WIRING LEGEND

- PROVIDE 22/2 AWG FOR DOOR CONTACT TO HINGED SECURITY JUNCTION BOX.
- PROVIDE 4PR UTP FROM HINGED SECURITY JUNCTION BOX TO NEAREST TR OR MC/ER.
- PROVIDE 18/6 AWG FOR POWER TRANSFER/ELECTRIC LATCH & REQUEST FOR EXIT MICRO SWITCH TO HINGED SECURITY JUNCTION BOX.
- PROVIDE 22/6 AWG FOR CARD READER TO HINGED SECURITY JUNCTION BOX.
- PROVIDE 22/6 AWG FOR KEYPAD TO NEAREST TR OR MC/ER.
- PROVIDE 22/4 AWG FROM ADO OPERATOR TO HINGED SECURITY JUNCTION BOX.
- PROVIDE 22/6 AWG FOR CARD READER TO HINGED SECURITY JUNCTION BOX. INTERFACE CARD READER WITH INTRUSION DETECTION SYSTEM TO DISABLE ALARM SYSTEM.
- PROVIDE 22/2 AWG FROM FIRE DEPARTMENT KNOX BOX TO SECURITY SYSTEM IN THE NEAREST TR.

NOTE: TYPICAL DOOR WIRING DETAILS BY THE SECURITY SYSTEM CONTRACTOR. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND DOOR CONFIGURATIONS

1 DOOR SECURITY HARDWARE WIRING DETAIL
NOT TO SCALE