











# **CLASSIC AIR - VCT 5TH FLOOR REMODEL**



INTERMOUNTAIN HEALTHCARE VALLEY CENTER TOWER - 5373 SOUTH GREEN STREET MURRAY, UTAH













owner

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BID SET 2022 10 25



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# electrical engineer

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	ABB	REVIATIONS	NOT ALL .	ABBREVATIONS MAY BE USED
	& @	AND AT	LAV LB/ LB	LAVATORY SPOUND (S)
	ACT ADJ AFF ALT AL/ALU APPRC ARCH	ACOUSTICAL CEILING TILE ADJUSTABLE ABOVE FINISH FLOOR ALTERNATE M ALUMINUM X APPROXIMATE ARCHITECTURAL	Mat Max Mdf Mech Memb Mezz Mfr	MATERIAL (S) MAXIMUM MEDIUM DENSITY FIBERBOARD MECHANICAL MEMBRANE MEZZANINE MANUFACTURER
E	BD BLDG BLK BO BRG BSMT BS BW	BOARD BUILDING BLOCK (ING) BOTTOM OF BEARING BASEMENT BOTH SIDES BOTH WAYS	MGR MIN MIR MISC MO MTD MTL MVV	MANAGER MINIMUM MIRROR MISCELLANEOUS MASONRY OPENING MOUNT, (ED) METAL MICROWAVE
	CAB CB CCSA CG CHAM CJ	CABINET CATCH BASIN CUSTOM COLOR SELECTED BY ARCHITER CORNER GUARD CHAMFER CONTROL JOINT	N NIC NO. CT NOM NRC NTS	NORTH NOT IN CONTRACT NUMBER NOMINAL NOISE REDUCTION COEFFICIENT NOT TO SCALE
	CL CLG CLR CM COL COMP CONC CONT COS CMU CSBA	CENTER LINE CEILING CLEAR CONSTRUCTION MANAGER COLUMN COMPUTER CONCRETE CONCRETE CONTINUOUS CENTER OF STUD CONCRETE MASONRY UNIT COLOR SELECTED BY ARCHITECT	OC OD OFCI OFD OH OPG OPP OSB OZ	ON CENTER OUTSIDE DIAMETER OWNER FURNISHED/ CONTRACOR INSTALLED OVERFLOW DRAIN OVERHEAD OPENING OPPOSITE ORIENTED STRAND BOARD OUNCE
	CT DB DBL DEPT DF DIA DIM DN DRN	CERAMIC TILE DEPTH DECK BEARING DOUBLE DEPARTMENT DRINKING FOUNTAIN DIAMETER DIMENSION DOWN DRAIN	PERI PERM PLAM PNL P.O. PR PT PART PLY	PERIMETER PERMENANT PLATE PLASTIC LAMINATE PANEL POINT OF PAIR POST TENSIONED PARTITION PLYWOOD
D	DTL/ DI DW DWG E (E) EA EIFS EJ ELEC ELEV EQ EQUIP	ET DETAIL DISHWASHER DRAWING EAST EXISTING EACH EXTERIOR INSULATION SYSTEM EXPANSION JOINT ELECTRICAL ELEVATION EQUAL EQUIPMENT	QT R/RAI RCP REC REF REINF REM REPL REQD REV RM	QUARRY TILE D RADIUS REFLECTED CEILING PLAN RECESSED REFERENCE REFRIGERATOR REINFORCE (ED) REMOVE (ED) REPLACE REQUIRED REVISION (S) ROOM
	EVAP EXIST EXP EXT EVVC FA FD FDN FE FEC FG	EVAPORATIVE EXISTING EXPANSION EXTERIOR ELECTRIC WATER COOLER FIRE ALARM FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH GRADE	RO SALV SECT SF SIM SLNT SPEC SQ SS STC	ROUGH OPENING SOUTH SALVAGE (ED) SECTION SQUARE FOOT SIMILAR SEALANT SPECIFICATION (S) SQUARE STAINLESS STEEL SOUND TRANSMISSION CLASS
	FH FIN FLR F.O. FOS FOW FT FRP FRT FTG FV	FIRE HYDRANT FINISHED FLOOR FACE OF FACE OF STUD FACE OF WALL FOOT, FEET FIBER REINFORCED PANEL FIRE RETARDANT TREATED WOOD FOOTING FIELD VERIFY	STD STL STOR STRUC SUSP SYM T T & B T & G TBD TEMP	STANDARD STEEL STORAGE STRUCTURE (AL) SUSPENDED SYMMETRY (ICAL) THICKNESS TOP AND BOTTOM TONGUE AND GROOVE TO BE DETERMINED TEMPORARY
С	GA. GALV GB GC GFRC GYP GWB	GAUGE GALVANIZED GRAB BAR GENERAL CONTRACTOR GLASSFIBER REINFORCED PANEL GYPSUM GYPSUM WALLBOARD	THRU T.O. TRANS TS TYP UNF UNO	THROUGH TOP OF TRANSFORMER TUBE STEEL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED
	HB HC HDW HDF HM HOR	HOSE BIBB HANDICAP ACCESSIBLE HARDWARE HIGH DENSITY FIBERBOARD HOLLOW METAL HEIGHT HORIZONTAL	VAR VB VCT VERT VEST VWC	VARIES VAPOR BARRIER VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL WALLCOVERING
	ID ICF IN INCL INFO INT INSUL	INSIDE DIAMETER INSULATED CONCRETE FORM INCH INCLUDE INFORMATION INTERIOR INSULATE, (D), (ION)	W W WC WD WO WSCT WWF	WEST WDTH WTH WATER CLOSET WOOD WTHOUT WAINSCOT WELDED WRE FABRIC

# UTILITY CONTACTS

MURRY CITY POWER 153 WEST 4800 SOUTH MURRAY, UTAH 84124

### 801.264.2706 natural gas

QUESTAR GAS 180 EAST 100 SOUTH SALT LAKE CITY, UTAH 84145 swgas.com 801.324.5000

water/storm drain DANNY J ASTILL MURRAY CITY WATER DEPT 4646 SOUTH 500 WEST MURRAY, UTAH 84123 murray.utah.gov 801.270.2440

### telephone

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QWEST COMMUNICATIONS 4400 SOUTH MAIN STREET SALT LAKE CITY, UTAH 84107 801.265.5011

# PROJECT TEAM

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### architect TODD BRAUN, AAIA VCBO ARCHITECTURE 524 SOUTH 600 EAST SALT LAKE CITY, UT 84102 tbraun@vcbo.com

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EET NUMBERING	G + NAMING
BESIGNATOR BESIGNATOR - SHEET TYPE - LEVEL - SEQUENCE - PLAN TYPE	THIS IS A QUICK REFERENCE GUI SHEET NUMBERING AND NAMING USED IN VCBO CONSTRUCTION D
X	PLAN TYPE .0 SLAB PLAN .1 ANNOTATED PLAN .2 DIMENSION + WALL TYPE PLAN .3 FINISH PLAN .4 REFLECTED CEILING PLAN
	<b>SEQUENCE</b> DENOTES AREA SEQUENCE IN PL NUMBERIC SEQUENCE IN NON-PL
	LEVELS DENOTES LEVEL IN A MULTI-STOP ALSO BECOMES A SEQUENCE NU DENOTING DIVISIONS IN NON-PLA
	SHEET TYPE SEQUENCE NUMBER0GENERAL NOTES + LEGEN1FLOOR PLANS2EXTERIOR ELEVATIONS3EXTERIOR SECTIONS4ENLARGED PLANS, ELEVA5DETAIL DRAWINGS6DOOR, WINDOW, OTHER S7SIGNAGE8USER DEFINED93D DRAWINGS + PERSPECT

# VICINITY MAP

INV INVERT

JST JOIST JT JOINT





# **GENERAL NOTES**

- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY
- 2. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
- 3. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. QUANTITIES ARE TO BE PROVIDED AS SHOWN ON DRAWINGS OF OTHER DISCIPLINES BUT LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK.
- 4. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN; DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
- 5. CONTRACTOR TO FOLLOW CURRENT ANSI 117-1 STANDARDS AS REPRESENTED ON SHEET G301, GENERAL ACCESSIBILITY GUIDELINES. NOTIFY ARCHITECT IF THE DESIGN DRAWINGS CONFLICT WITH THIS SHEET.
- 6. CONTRACTOR MUST COORDINATE WORK HOURS WITH OWNER OR PROJECT REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK. APPROVAL OF PROPOSED SCHEDULE IS REQUIRED PRIOR TO COMMENCING ANY WORK. CONSTRUCTION RELATED ACTIVITIES SHALL NOT OBSTRUCT THE PROCESS OF DAY TO DAY WORK ON SITE UNLESS SPECIFICALLY APPROVED IN ADVANCE BY THE PROJECT REPRESENTATIVE. AFTER HOURS OR WEEKEND WORK SHALL BE EMPLOYED TO AVOID ADVERSE IMPACTS TO TENANT EMPLOYEES. 7. USE NORTH ELEVATOR FOR THE DURATION OF THE PROJECT FOR ALL
- -DEMOLITION AND CONSTRUCTION USE. 8. ALL EXITS ARE TO BE READILY OPENABLE FROM THE EGRESS SIDE
- WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- 9. ALL DOORS SHALL BE PROVIDED WITH LEVER OR PUSH/PULL TYPE HARDWRE, NOT REQUIRING GRASPING OR TWISITNG, INCLUDING THE DOORS AT THE DEMOUNTALBE PARITITON WALLS.

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# NOTES TO BIDDERS

- 1. THIS SHEET CONTAINS A LIST OF DRAWINGS WHICH COMPRISE A FULL SET OF DRAWINGS FOR THIS PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS. IF ANY PERSON, PARTY OR ENTITY ELECTS TO SUBMIT BIDS FOR ANY PORTION, OR ALL, OF THIS PROJECT, THAT PERSON, PARTY OR ENTITY SHALL BE RESPONSIBLE FOR ANY AND ALL INFORMATION CONTAINED IN THESE DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDUMS OR CLARIFICATIONS THAT MAY BE ISSUED.
- 2. THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE EVERYTHING SHOWN ON THE DRAWINGS OR SPECIFIED REGARDLESS OF WHERE IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. FOR EXAMPLE; SOME MILLWORK DETAILS HAVE STEEL FRAMES WHICH MAY BE PROVIDED BY DIVISION 05 OR WITH THE MILLWORK AT THE CONTRACTOR'S DISCRETION, BUT IT SHALL BE PROVIDED AS PART OF THE CONTRACT.
- 3. EVERYTHING CALLED FOR IN THESE DOCUMENTS SHALL BE "NEW' AND PROVIDED BY THE CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT UNLESS NOTED OTHERWISE AS EXISTING (EXIST), NOT IN CONTRACT (NIC) OR FOR REFERENCE ONLY. FURNISHINGS SHOWN DASHED SHALL BE FOR REFERENCE ONLY.

4

# SHEET INDEX

SHEET NUMBER	SHEET NAME	SHEET NUMBE	R SHEET NAME
GENERAL		ELECTRICAL	
CV	VCBO COVER	EE001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
G001	VCBO GENERAL INFORMATION AND INDEX	EE003	TELECOM SCHEDULES AND NOTES
G301	TYPICAL ANSI ACCESSIBILITY STANDARDS	EE004	AUDIO VISUAL SCHEDULES AND NOTES
		EE501	ELECTRICAL DETAILS
DEMOLITION		EE701	TYPICAL MOUNTING HEIGHT DETAILS
AD151.1	PLAN - DEMOLITION - LEVEL 05	ED105	LEVEL 5 ELECTRICAL DEMOLITION PLAN
AD151.2	REFLECTED CEILING - DEMOLITION - LEVEL 05	ED205	LEVEL 5 CEILING DEMOLITION PLAN
		EP105	LEVEL 5 POWER PLAN
ARCHITECTURAL		EP601	EQUIPMENT AND PANEL SCHEDULES
A151.1	ANNOTATED & DIMENSION PLAN - LEVEL 05	EL105	LEVEL 5 LIGHTING PLAN
A151.2	REFLECTED CEILING PLAN - LEVEL 05	EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
A151.3	ENLARGED REFLECTED CEILING PLANS	EL602	LIGHTING CONTROL SCHEDULES
A151.4	FINISH PLAN - LEVEL 05	ET105	LEVEL 5 TELECOM PLAN
A151.5	FURNISHING PLAN - LEVEL 05	ET401	ENLARGED TELECOM PLANS
A401	INTERIOR ELEVATIONS	ET501	TELECOM EQUIPMENT RACK ELEVATIONS
A402	INTERIOR ELEVATIONS	ET502	TELECOM DETAILS
A500	WALL TYPES + GENERAL NOTES	ET503	TELECOM EQUIPMENT RACK GROUNDING DETAIL
A501	INTERIOR DETAILS	ET601	TELECOM RISER DIAGRAMS
A502	INTERIOR DETAILS	EY105	LEVEL 5 AUXILIARY PLAN
A510	CEILING DETAILS	EJ105	LEVEL 5 AV ROUGH-IN PLAN
A600	DOOR SCHEDULE + DOOR AND WINDOW ELEVATIONS	EJ601	AV ROUGH-IN SCHEDULES
		TA001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
DEMOUNTABLE PARTITI	ONS	TA501	AUDIO VISUAL SYSTEMS DETAILS
DG-200	NEW SCHEDULES AND DETAILS	TA601	AUDIO VISUAL SYSTEMS SCHEDULES
DW-201	NEW PLAN SHEET	Grand total: 48	
DW-202	NEW ELEVATIONS SHEET		
MECHANICAL			
M001	MECHANICAL SCHEDULES, LEGENDS AND NOTES		
M205D	LEVEL 5 MECHANICAL DEMO PLAN		
M205	LEVEL 5 MECHANICAL FLOOR PLAN		
V601	MECHANICAL DETAILS		







1/2" MAX. 1/2" MAX. RADIUS

CURVED NOSING





A4 SCALE: 1/8" = 1'-0"

<b>K</b>	EYED NOTES	
222.	0 REMOVE EXISTING COLUMN SURROUND, RELOCATE	
223.	0 REMOVE EXISTING WALL. PATCH AND REPAIR ADJACENT WALLS AS NEEDED	
224.	0 REMOVE EXISTING DOOR AND FRAME. PATCH AND REPAIR ADJACENT WALLS AS NEEDED	
224. 225.	<ul> <li>REMOVE EXISTING DOOR, FRAME, AND HARDWARE, AND SAVE</li> <li>FOR REINSTALLATION</li> <li>REMOVE EXISTING CASEWORK. PATCH AND REPAIR ADJACENT</li> </ul>	
226.	WALLS AS NEEDED 0 REMOVE COPY MACHINE AND SALVAGE TO OWNERS STOCK	
231.	0 EXISTING FLOORING. PROTECT AS NECESSARY, REPAIR AS REQUIRED. CLEAN ALL CARPET, REPLACE ANY STAINED TILES THAT CAN'T BE CLEANED	E
231.	1 REMOVE EXISTING CARPET IN SPACE FOR NEW ROOMS. SAVE TILES THAT ARE IN GOOD CONDITION FOR RE-INSTALLATION IN NEW ROOMS	
232.	0 REMOVE EXISTING WINDOW BLINDS. SAVE TO OWNER'S STOCK. PREPARE WINDOW FRAME FOR NEW BLINDS	
232.	1 REMOVE EXISTING WINDOW BLINDS WHERE NECESSARY TO ALLOW FOR NEW PARTITION WALLS. SAVE TO OWNER'S STOCK PREPARE WINDOW FOR NEW BLINDS	
233.	0 REMOVE EXISTING CORNERGUARD. PATCH AND REPAIR CORNER.	
234.	0 REMOVE EXISTING CORNERGUARD AND PORTION OF GYPSUM BOARD AT CORNER. PREPARE WALL FOR NEW FLUSH-MOUNT CORNER GUARD	
235.	0 EXISTING TIME CLOCK. PROTECT DURING DEMOLITION AND CONSTRUCTION	
237.	0 CORE-DRILL CONCRETE FOR NEW POWER AND DATA LOCATIONS. REF SHEET A151.1 FOR LOCATIONS.	
	PATCH AND REPAIR ANY DAMAGE TO 4TH FLOOR CEILING WITH OWNER. CAUSED BY THIS WORK. NOTIFY ARCHITECT IMMEDIATELY OF	
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ات	ENERAL DEMOLITION NOTES	
	THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING, AS THE LOCATIONS SHOWN IN THE DOCUMENTS ARE APPROXIMATED. ALL VARIANCES NOT SHOWN IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID	
2.	CONTRACTOR TO COORDINATE WITH ELECTRICAL AND MECHANICAL PLANS FOR LOCATIONS OF ALL EXISTING AND NEW EQUIPMENT, SYSTEMS, AND DEVICES.	
8.	AS SOME DEMOLITION WORK WILL BE SPECIFIC TO DIVISION 22, 23, 26, THE CONTRACTOR SHALL CROSS REFERENCE WITH ELECTRICAL AND	D
	WECHANICAL PLANS FOR ADDITIONAL DEMOLITION WHICH IS REQUIRED, BUT NOT REFLECTED ON ARCHITECTURAL DRAWINGS.	
ŀ.	CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE, FINISHES, AND SITE ELEMENTS NOT CALLED FOR DEMOLITION DURING REMODEL- INCLUDING WALLS, FLOORING MATERIAL, CASEWORK, DOORS, WINDOWS, CEILINGS, AND SITE.	
5.	CONTRACTOR MUST COORDINATE WORK HOURS WITH OWNER OR	
	PROJECT REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK. APPROVAL OF PROPOSED SCHEDULE IS REQUIRED PRIOR TO COMMENCING WORK. CONSTRUCTION RELATED ACTIVITIES SHALL	
	NOT OBSTRUCT THE PROCESS OF DAY TO DAY WORK ON SITE UNLESS SPECIFICALLY APPROVED IN ADVANCE BY THE PROJECT REPRESENTATIVE AFTER HOURS OF MERICENED MODILY OF MALL PROJECT	
	EMPLOYED TO AVOID ADVERSE IMPACTS TO TENANT EMPLOYEES.	
5.	ALL EXISTING INTERIOR FINISHES, MATERIALS, STRUCTURE, SYSTEMS, LANDSCAPING, AND SITE FEATURES, ETC., NOT IDENTIFIED FOR DEMOLITION, THAT ARE DAMAGED DURING THE PROCESS OF CONSTRUCTION, SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO MATCH AT THE CONTRACTOR'S EXPENSE.	
	ALL EXISTING FIRE RATINGS, AND ASSOCIATED FIRE PROTECTION SYSTEMS (I.E. FIRE SPRINTKLERS AND FIRE ALARM SYSTEMS) ARE TO	
	BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY INTERRUPTION TO THESE SYSTEMS SHALL BE COORDINATED WITH THE OWNER AND FIRE MARSHALS OFFICE. CONTRACTOR IS RESPONSIBLE FOR ANY FIRE WATCH REQUIREMENTS ASSOCIATED WITH INTERRUPTIONS TO THESE EXISTING SYSTEMS	
8.	THE MAINTENANCE OF ADEQUATE FIRE EGRESS FOR OCCUPANTS IN THE EXISGIN BUILDING SHALL BE COORDINATED WITH THE OWNER AND RFIRE MARSHALS OFFICE. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY WALLS OF ENCLOSURES. EMERCENCY	
9	LIGHTS, ETC., FOR THE DURATION OF THE CONSTRUCTION.	С
	WALLS, MILLWORK, AND CEILING SYSTEMS AS SHOWN ON THE DRAWINGS.	
0.	CONTRACTOR TO MAINTAIN EXISTING FIRE RATED ELEMENTS IN BUILDING. REPAIR IF DAMAGED.	
1.	CONTRACTOR TO MAINTAIN ACCESS TO STAIRS DURING	
2.	ALL ADJACENT SURFACES DAMAGED DUE TO WORK UNDER THIS	
	ADJACENT SURFACES.	
3.	CONTRACTOR TO PROVIDE DUSTPROOOF ENCLOSURES AT PERIMETER OF AREAS OF CONSTRUCTION AND DEMOLITION FOR PROTECTION OF ADJACENT SPACES.	
4.	TATION AND LEVEL EXISTING CONCRETE SLABS AS REQUIRED FOR NEW FINISHES WITH FLOOR LEVELING COMPOUND AS APPROVED BY ARCHITECT. THE GENERAL CONTRACTOR SHALL BRING TO THE ATTENTION OF THE	
<u>.</u>	ARCHITECT, FOR IMMEDIATE RESOLUTION, ANY CODE VIOLATIONS, INCORRECT CONSTRUCTIONS, OR SAFETY PROBLEMS THAT ARE EXISTING FIELD CONDITIONS.	
б.	DO NOT DISTURE EXISTING FIREPROOFING. CONTRACTOR SHALL PATCH/REPAIR ANY FIREPROOFING DAMAGED OR DISTURBED AS A RESULT OF WORK UNDER THIS CONTRACT.	
7.	USE NORTH ELEVATOR FOR THE DURATION OF THE PROJECT FOR ALL DEMOLITION AND CONSTRUCTION USE	
8.	EXISTING THERMOSTATS TO BE SALVAGED FOR FUTURE USE. IF THEY ARE ON A WALL THAT IS TO REMAIN, LEAVE IN PLACE AND PROTECT AS REQUIRED.	В
BI	JILDING DEMOLITION LEGEND	
K		
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_	CONSTRUCTION.	
-	EXISTING FLOORING TO REMAIN. PROTECT DURING DEMOLITION AND CONSTRUCTION.	
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 DASHED LINE DENOTES ITEMS TO BE DEMOLISHED.
 HALF-TONED LINE DENOTES EXISTING ITEMS TO REMAIN
CEILING AREA TO BE DEMOLISHED
AREA TO REMAIN UNDISTURBED DURING CONSTRUCTION.
EXISTING FLOORING TO REMAIN. PROTECT DURING DEMOLITION AND CONSTRUCTION.









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A4 PLA SCALE:

# **KEYED NOTES**

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227.0	REMOVE EXISTING LAY-IN CEILING TILE AND GRID. SA' IS IN GOOD CONDITION TO PATCH AND REPAIR AS NEI WHERE NEW AND EXISTING CEILING MEET.
228.0	REMOVE AND DISPOSE OF EXISTING GYP. BOARD SOF FRAMING
229.0	REMOVE EXISTING LIGHTING AND SALVAGE TO OWNE STOCK. WHERE EXISTING CEILING WILL REMAIN, PATO REPAIR CEILING.
229.1	REMOVE EXISTING LIGHT FIXTURE AND SAVE FOR RE-INSTALLATION IN NEW CEILING
230.0	PATCH AND REPAIR CEILING WHERE WALLS ARE REM
236.0	REMOVE MECHANICAL FIXTURES AND SAVE FOR RE-UNEW CEILING. SEE MECHANICAL DRAWINGS.

6

# GENERAL DEMOLITION NOTES

- 1. THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING THE LOCATIONS SHOWN IN THE DOCUMENTS ARE APPROXIMA ALL VARIANCES NOT SHOWN IN THE DRAWINGS SHALL BE BRC TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID.
- 2. CONTRACTOR TO COORDINATE WITH ELECTRICAL AND MECH PLANS FOR LOCATIONS OF ALL EXISTING AND NEW EQUIPMEN SYSTEMS, AND DEVICES.
- 3. AS SOME DEMOLITION WORK WILL BE SPECIFIC TO DIVISION 2 THE CONTRACTOR SHALL CROSS REFERENCE WITH ELECTRIC MECHANICAL PLANS FOR ADDITIONAL DEMOLITION WHICH IS REQUIRED, BUT NOT REFLECTED ON ARCHITECTURAL DRAWIN
- 4. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE, FINISHES, AND SITE ELEI NOT CALLED FOR DEMOLITION DURING REMODEL-INCLUDING FLOORING MATERIAL, CASEWORK, DOORS, WINDOWS, CEILING SITE.
- 5. CONTRACTOR MUST COORDINATE WORK HOURS WITH OWNER PROJECT REPRESENTATIVE PRIOR TO COMMENCEMENT OF V APPROVAL OF PROPOSED SCHEDULE IS REQUIRED PRIOR TO COMMENCING WORK. CONSTRUCTION RELATED ACTIVITIES SI NOT OBSTRUCT THE PROCESS OF DAY TO DAY WORK ON SITE UNLESS SPECIFICALLY APPROVED IN ADVANCE BY THE PROJE REPRESENTATIVE. AFTER HOURS OR WEEKEND WORK SHALL EMPLOYED TO AVOID ADVERSE IMPACTS TO TENANT EMPLOY
- 6. ALL EXISTING INTERIOR FINISHES, MATERIALS, STRUCTURE, S LANDSCAPING, AND SITE FEATURES, ETC., NOT IDENTIFIED FO DEMOLITION, THAT ARE DAMAGED DURING THE PROCESS OF CONSTRUCTION, SHALL BE RESTORED TO THEIR ORIGINAL CO OR REPLACED TO MATCH AT THE CONTRACTOR'S EXPENSE.
- 7. ALL EXISTING FIRE RATINGS, AND ASSOCIATED FIRE PROTECT SYSTEMS (I.E. FIRE SPRINTKLERS AND FIRE ALARM SYSTEMS) BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY INTERRU TO THESE SYSTEMS SHALL BE COORDINATED WITH THE OWNE FIRE MARSHALS OFFICE. CONTRACTOR IS RESPONSIBLE FOR. FIRE WATCH REQUIREMENTS ASSOCIATED WITH INTERRUPTIO THESE EXISTING SYSTEMS.
- 8. THE MAINTENANCE OF ADEQUATE FIRE EGRESS FOR OCCUPA THE EXISGIN BUILDING SHALL BE COORDINATED WITH THE OW AND RFIRE MARSHALS OFFICE. CONTRACTOR SHALL PROVIDE NECESSARY TEMPORARY WALLS OR ENCLOSURES, EMERGEN LIGHTS, ETC., FOR THE DURATION OF THE CONSTRUCTION.
- 9. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOORIN WALLS, MILLWORK, AND CEILING SYSTEMS AS SHOWN ON THE DRAWINGS.
- 10. CONTRACTOR TO MAINTAIN EXISTING FIRE RATED ELEMENTS BUILDING. REPAIR IF DAMAGED.
- 11. CONTRACTOR TO MAINTAIN ACCESS TO STAIRS DURING CONSTRUCTION, TYP.
- 12. ALL ADJACENT SURFACES DAMAGED DUE TO WORK UNDER T CONTRACT SHALL BE PATCHED AND FINISHED TO MATCH EXIS ADJACENT SURFACES.
- 13. CONTRACTOR TO PROVIDE DUSTPROOOF ENCLOSURES AT PERIMETER OF AREAS OF CONSTRUCTION AND DEMOLITION F PROTECTION OF ADJACENT SPACES. 14. PATCH AND LEVEL EXISTING CONCRETE SLABS AS REQUIRED
- NEW FINISHES WITH FLOOR LEVELING COMPOUND AS APPRO ARCHITECT. 15. THE GENERAL CONTRACTOR SHALL BRING TO THE ATTENTION
- ARCHITECT, FOR IMMEDIATE RESOLUTION, ANY CODE VIOLATION INCORRECT CONSTRUCTIONS, OR SAFETY PROBLEMS THAT A EXISTING FIELD CONDITIONS.
- 16. DO NOT DISTURB EXISTING FIREPROOFING. CONTRACTOR SH PATCH/REPAIR ANY FIREPROOFING DAMAGED OR DISTURBED RESULT OF WORK UNDER THIS CONTRACT. 17. USE NORTH ELEVATOR FOR THE DURATION OF THE PROJECT
- DEMOLITION AND CONSTRUCTION USE. 18. EXISTING THERMOSTATS TO BE SALVAGED FOR FUTURE USE.
- ARE ON A WALL THAT IS TO REMAIN, LEAVE IN PLACE AND PRO REQUIRED.

# BUILDING DEMOLITION LEGEND

 DASHED LINE DENOTES ITEMS TO BE DEMOLISHED.
 HALF-TONED LINE DENOTES EXISTING ITEMS TO REMAIN
CEILING AREA TO BE DEMOLISHED
AREA TO REMAIN UNDISTURBED DURING CONSTRUCTION.
EXISTING FLOORING TO REMAIN. PROTECT DURING DEMOLITION AND CONSTRUCTION.

EL 05 - REFLECTED CEILING	
N - DEMOLITION	
: 1/8" = 1'-0"	

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IANICAL NT,	
22, 23, 26, CAL AND INGS.	-
O EMENTS 3 WALLS, IGS, AND	
ER OR MORK. )	
HALL E ECT L BE	
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![](_page_4_Picture_36.jpeg)

![](_page_5_Figure_0.jpeg)

1

# **GENERAL NOTES**

4

- 1. EXISTING WALLS ARE MEASURED FROM FACE OF WALL (F.O.W.) AND NEW WALLS ARE MEASURED FROM CENTER OF STUD (C.O.S.) TYPICAL, UNLESS OTHERWISE NOTED.
- 2. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.
- 3. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
- 4. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. QUANTITIES ARE TO BE PROVIDED AS SHOWN ON DRAWINGS OF OTHER DISCIPLINES BUT LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK.
- 5. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN; DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
- 6. CONTRACTOR TO FOLLOW ANSI 117-1 2003 AS REPRESENTED ON SHEET G300 FOR ACCESSIBILITY GUIDELINES. NOTIFY ARCHITECT IF THE DESIGN DRAWINGS CONFLICT WITH THIS SHEET.
- 7. SEE SHEET A500 FOR PARTITION TYPES, & GENERAL NOTES
- 8. SEE SHEET A600 FOR WINDOW AND DOOR TYPES & NOTES 9. ALL CHANGES IN FLOOR MATERIAL OCCUR AT CENTERALINE OF DOOR
- OR FRAMED OPENING UNLESS NOTED OTHERWISE. 10. PROVIDE BLOCKING FOR ALL CASEWORK, CABINETS & OPEN
- SHELVING SHOWN ON THE DRAWINGS OR SUPPLIED BY OTHERS.
- 11. USE THE NORTH ELEVATOR FOR THE DURATION OF THE PROJECT FOR ALL DEMOLITION & CONSTRUCTION USE

# **KEY FOR PARTITION TYPES**

DENOTES TYPE OF CONSTRUCTION (SPEC. DIVISION) 3X 0 SERIES CON 4X 0 SERIES MAS 6X 0 SERIES WOO 9X 0 SERIES MET	⊣ WALL CRETE ONRY DD STUDS AL STUDS
EXAMPLE: WALL TYPE 6A4 IS A 2x4 WOOD STUD WITH 5/8" GYPSUM BOARD ON BOTH SIDES. C.M.U. NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE INDIVIDUAL WALL TYPES AND SPECIFIC DETAILS, INCLUDING UL RATINGS. C.M.U.	L SIZES: V = LE/MATCHEXISTING 2 = 2x2 WOO 4 = 2x4 WOO 6 = 2x6 WOO 8 = 2x8 WOO 10 = 2x10 WOO /10'' C.M.L 12 = 2x12 WOO /12'' C.M.L
<ul> <li>INCIDENTAL USE AREAS</li> <li>1 HOUR SEPARATION</li> <li>2 HOUR SEPARATION</li> <li>3 HOUR SEPARATION</li> </ul>	EXAMPLE: WALL TY HOUR RATED, 2x4 V WITH 5/8" GYPSUM SIDES, PER ASSEM REQUIREMENTS.
6X0-R SERIES	1 = 1 HOUR RATED / 2 = 2 HOUR RATED / 3 = 3 HOUR RATED /

# **KEYED NOTES**

235.0	EXISTING TIME CLOCK. PROTECT DURING DEMOLITIC CONSTRUCTION
1002.0	WALL MOUNTED GLASS MARKER BOARD, BY OWNEF (THROUGH MIDWEST OFFICE FURNITURE). CONTRA PROVIDE BLOCKING.
1222.0	DEMOUNTABLE PARTITIONS. SEE VENDOR DRAWING DIMENSIONS AND DETAILS
2622.0	CLOCK- ETHERNET POWERED AND CONTROLLED
2623.0	POWER POKE-THRU. SEE ELECTRICAL
2624.0	DATA POKE-THRU. SEE ELECTRICAL
2711.0	WALL MOUNTED VIDEO MONITOR, BY OWNER
2711.1	WALL MOUNTED VIDEO MONITOR. SEE ELECTRICAL

![](_page_5_Figure_23.jpeg)

![](_page_6_Figure_0.jpeg)

# CEILING LEGEND

A-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE C
B-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE C
C-	SUSPENDED 5/8" GYP. BD. CEILING SYSTEM - (1 LAYER) PAINTED
E-	EXISTING CEILING TO REMAIN- CONSTRUCTION

# **CEILING SYMBOLS**

EL	ECTRICA	<u> </u>
		2'X4' FLUORESCENT FIXTURE
		2'X2' FLUORESCENT FIXTURE
		I LINEAR LED FIXTURE
		] LINEAR LIGHT FIXTURE - NEW SHAI MATCH EXISTING
(	$\otimes$	EXIT SIGN, SINGLE-SIDED
(	$\otimes$	EXIT SIGN, DOUBLE-SIDED
	F	FIRE ALARM
(	S	SPEAKER
<	$\langle P \rangle$	SMOKE DETECTOR
(	Ŵ	WIRELESS INTERNET
ME	CHANICA	
	$\square$	SUPPLY GRILLE
		RETURN GRILLE
	$\sum$	EXHAUST GRILLE
		LINEAR DIFFUSER
	$\otimes$	SPRINKLER HEAD - CEILING MOUN
	_▽	SPRINKLER HEAD - WALL MOUNT
(		- CEILING TYPE
	•	- CEILING HEIGHT
(	WSX	WINDOW SHADE TYPE - SEE FINISH SCHEDULE FOR MORE INFORMATION
G	ENER/	AL CEILING NOTES
1.	REFER TO SUSPENSIO	DETAIL C5 & C6/A510 FOR TYPICAL CEILING DN & SEISMIC BRACING
2.	GRID SUSP	ENSION SYSTEMS SHALL BE CENTERED WITHIN A
		, UNLESS NOTED OTHERWISE
3.	PAINT ALL I ELECTRICA	, UNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, L WORK, PIPING, ETC.
3. 1.	PAINT ALL I ELECTRICA REFER TO, MECHANIC, QUANTITIE	, UNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, L WORK, PIPING, ETC. ARCHITECTURAL DRAWINGS FOR LOCATION OF AL GRILLES, AND TO MECHANICAL DRAWINGS FOF S AND TYPES
3. 1. 5.	PAINT ALL I ELECTRICA REFER TO, MECHANIC, QUANTITIES REFER TO, LIGHT FIXT AND TYPES	, UNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, L WORK, PIPING, ETC. ARCHITECTURAL DRAWINGS FOR LOCATION OF AL GRILLES, AND TO MECHANICAL DRAWINGS FOF S AND TYPES ARCHITECTURAL DRAWINGS FOR LOCATIONS OF URES AND TO ELECTRICAL DRAWINGS FOR QUAN
3. I. 5.	PAINT ALL I ELECTRICA REFER TO MECHANIC QUANTITIES REFER TO LIGHT FIXT AND TYPES MECHANIC WORK WIT FIELD	, UNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, & WORK, PIPING, ETC. ARCHITECTURAL DRAWINGS FOR LOCATION OF AL GRILLES, AND TO MECHANICAL DRAWINGS FOR S AND TYPES ARCHITECTURAL DRAWINGS FOR LOCATIONS OF URES AND TO ELECTRICAL DRAWINGS FOR QUAN S AL AND ELECTRICAL CONTRACTORS TO COORDIN I SPRINKLER CONTRACTOR TO AVOID CONFLICTS
3. 1. 5.	PAINT ALL I ELECTRICA REFER TO, MECHANIC, QUANTITIES REFER TO, LIGHT FIXTI AND TYPES MECHANIC, WORK WITI FIELD ALL SPRINK 525 TO BE F	LUNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, AL WORK, PIPING, ETC. ARCHITECTURAL DRAWINGS FOR LOCATION OF AL GRILLES, AND TO MECHANICAL DRAWINGS FOR S AND TYPES ARCHITECTURAL DRAWINGS FOR LOCATIONS OF URES AND TO ELECTRICAL DRAWINGS FOR QUANT AL AND ELECTRICAL CONTRACTORS TO COORDIN 4 SPRINKLER CONTRACTOR TO AVOID CONFLICTS (LER HEADS IN COMMUNICATION ROOM 526 AND H FULLY CONCEALED TYPE.
3. 1. 5. 3.	PAINT ALL I ELECTRICA REFER TO QUANTITIES REFER TO LIGHT FIXTO AND TYPES MECHANIC, WORK WITO FIELD ALL SPRING 525 TO BE F ALL CEILING FLOOR SLA	LUNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, AL WORK, PIPING, ETC. ARCHITECTURAL DRAWINGS FOR LOCATION OF AL GRILLES, AND TO MECHANICAL DRAWINGS FOR S AND TYPES ARCHITECTURAL DRAWINGS FOR LOCATIONS OF URES AND TO ELECTRICAL DRAWINGS FOR QUANT AL AND ELECTRICAL CONTRACTORS TO COORDIN H SPRINKLER CONTRACTOR TO AVOID CONFLICTS (LER HEADS IN COMMUNICATION ROOM 526 AND H FULLY CONCEALED TYPE. 3 HEIGHTS ARE ELEVATION ABOVE TOP OF CONCF B
3. F. 5. 7.	PAINT ALL I ELECTRICA REFER TO MECHANIC QUANTITIES REFER TO LIGHT FIXT AND TYPES MECHANIC WORK WIT FIELD ALL SPRIN 525 TO BE I ALL CEILING FLOOR SLA	LUNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, L WORK, PIPING, ETC. ARCHITECTURAL DRAWINGS FOR LOCATION OF AL GRILLES, AND TO MECHANICAL DRAWINGS FOR S AND TYPES ARCHITECTURAL DRAWINGS FOR LOCATIONS OF URES AND TO ELECTRICAL DRAWINGS FOR QUANT AL AND ELECTRICAL CONTRACTORS TO COORDIN H SPRINKLER CONTRACTOR TO AVOID CONFLICTS (LER HEADS IN COMMUNICATION ROOM 526 AND H FULLY CONCEALED TYPE. 3 HEIGHTS ARE ELEVATION ABOVE TOP OF CONCF B NEW AND EXISTING SOFFITS P4
<ol> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol>	PAINT ALL I ELECTRICA REFER TO, MECHANIC, QUANTITIES REFER TO, LIGHT FIXTO AND TYPES MECHANIC, WORK WITT FIELD ALL SPRING S25 TO BE I ALL CEILING FLOOR SLA PAINT ALL I WHERE NE NEEDED. F ADD NEW C	, UNLESS NOTED OTHERWISE EXPOSED STRUCTURE, MECHANICAL, DUCTS, L WORK, PIPING, ETC. ARCHITECTURAL DRAWINGS FOR LOCATION OF AL GRILLES, AND TO MECHANICAL DRAWINGS FOR S AND TYPES ARCHITECTURAL DRAWINGS FOR LOCATIONS OF URES AND TO ELECTRICAL DRAWINGS FOR QUANT AL AND ELECTRICAL CONTRACTORS TO COORDIN/ H SPRINKLER CONTRACTORS TO COORDIN/ H SPRINKLER CONTRACTOR TO AVOID CONFLICTS (LER HEADS IN COMMUNICATION ROOM 526 AND H FULLY CONCEALED TYPE. 3 HEIGHTS ARE ELEVATION ABOVE TOP OF CONCF B NEW AND EXISTING SOFFITS P4 W CEILINGS MEET EXISTING, PATCH & REPAIR AS RETAIN EXISTING TILES AND REUSE WHERE POSSIE 2EILING GRID & TILES AS NECESSARY.

# **KEYED NOTES**

200.0	MANUAL ROLLER SHADES. 3% OPEN FABRIC. BREAK WINDOW MULLIONS, TYP
200.1	MOTORIZED DUAL SHADE ROLLER SHADES. 3% OPE WITH BLACKOUT SHADE BEHIND. BREAK AT WINDOV MULLIONS, TYP
200.3	MOTORIZED ROLLER SHADES. 3% OPEN FABRIC. BR WINDOW MULLIONS, TYP

![](_page_6_Picture_12.jpeg)

![](_page_6_Picture_13.jpeg)

![](_page_7_Figure_0.jpeg)

# **CEILING LEGEND**

A-	SUSPENDED 2' X 2' ACOUSTICAL LAY-IN 1
B-	SUSPENDED 2' X 4' ACOUSTICAL LAY-IN 1
C-	SUSPENDED 5/8" GYP. BD. CEILING SYST (1 LAYER) PAINTED
E-	EXISTING CEILING TO REMAIN- CONSTRU

# **CEILING SYMBOLS**

ELECTRICAL	
	2'X4' FLUORESCENT FIXTURE
	2'X2' FLUORESCENT FIXTURE
	LINEAR LED FIXTURE
	LINEAR LIGHT FIXTURE - NEW MATCH EXISTING
$\otimes$	EXIT SIGN, SINGLE-SIDED
$\otimes$	EXIT SIGN, DOUBLE-SIDED
F	FIRE ALARM
S	SPEAKER
$\langle P \rangle$	SMOKE DETECTOR
Ŵ	WRELESS INTERNET
MECHANICAL	
$\square$	SUPPLY GRILLE
	RETURN GRILLE
	EXHAUST GRILLE
	LINEAR DIFFUSER
$\otimes$	SPRINKLER HEAD - CEILING M
⊽	SPRINKLER HEAD - WALL MOU

# DRAWING SYMBOLS

CEILING TA	IG
	- CEILING TYPE
X X - X''	
	- CEILING HEIGHT
(WSX)	WINDOW SHADE TYPE - SEE FINISH SCHEDU FOR MORE INFORMATION

# GENERAL CEILING NOTES

- 1. REFER TO DETAIL C5 & C6/A510 FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING
- 2. GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE
- 3. PAINT ALL EXPOSED STRUCTURE, MECHANICAL, DUCTS, ELECTRICAL WORK, PIPING, ETC.
- 4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES, AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES
- 6. MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD
- ALL SPRINKLER HEADS IN COMMUNICATION ROOM 526 AND HALL 525 TO BE FULLY CONCEALED TYPE.
- 8. ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF CONCRETE FLOOR SLAB
- 9. PAINT ALL NEW AND EXISTING SOFFITS P4
- 10. WHERE NEW CEILINGS MEET EXISTING, PATCH & REPAIR AS NEEDED. RETAIN EXISTING TILES AND REUSE WHERE POSSIBLE. ADD NEW CEILING GRID & TILES AS NECESSARY.

![](_page_7_Picture_18.jpeg)

![](_page_7_Picture_19.jpeg)

ARCHITECTURE

![](_page_8_Figure_0.jpeg)

1

		5
ISH LEGEND		
STYLE	COLOR	NOTES
IAGE TILE 59466	CAFE HIGHLIGHTS	SALVAGE TILES WHERE CARPET IS BEING REPLACED AND USE THE BEST TILES TO REPLACE WORN OR DAMAGED CARPET TILE FOR A CONSISTENT LOOK
PRISMA TILE 42MC6 JRS TILE 59368 D VINYL	CAFE HIGHLIGHTS 63309 PORTABELLA STEEL GRAY 48	24" X 24" MONOLITHIC INSTALL 24" X 24" MONOLITHIC INSTALL MATCH EXISTING TILE SIZE - KEEP EXISTING TILE AND ADD NEW WHERE NEEDED IF FEASIBLE, OTHERWISE REPLACE ENTIRE FLOOR
4" TOELESS	193 BLACK BROWN	TO MATCH EXISTING
, MONUMENT 4		REPAIR OR REPLACE AS NEEDED WHERE WALLS ARE REMOVED OR BASE
	ALABASTER-SW7008	IS DAMAGED
	RAINSTORM-SW6230 CHELSEA GRAY-HC168	
S	ALABASTER-SW7008 ALABASTER-SW7008	PAINT ALL NEW AND EXISTING SOFFITS PAINT ALL NEW AND EXISTING HM DOOR FRAMES. AT ROOMS THAT ARE NOT IN CONTRACT, PAINT ONLY EXTERIOR SIDE OF DOOR FRAME (ROOMS
		503, 504, 505, 508, AND 509)
IN PLASTIC	WHITE CLIFF 5883-58 PECAN WOODLINE	
BOSSED - PATTERN:	GREIGE	SEE ELEVATIONS FOR SIZE
E PANELS WITH ATTERN- SEE A501	BASE COLOR: MEDIUM GRAY 12; FACE: COLOR 432	SEE ELEVATIONS FOR SIZE
RED GLASS PANELS	MATCH PAINT P2 ABOVE FUSION PEARL SH2CSFP	SEE DETAILS
	5883-58 PECAN WOODLINE	
EER WEAVE 2410	0238 FEATHER Q20 BEIGE	SEE DETAILS 3% OPEN
0 BLACKOUT	Q05 BONE	BLACKOUT
COLLAB. ROOM 529 B1:B E:F M T: P3 28 R:- :B B:- :F L: -	T P3 R- B - L -	FFICE       1: P1         E:B       B: P1         E:F       L: P1         FFICE       1: P1         541       R: P1         E:B       B: P1         E:B       B: P1         E:F       L: P1
28   R - :B   B:- :F   L: - :F   L: - :P1 :P1		FFICE T: P1 541 R: P1 E:B B: P1 E:FIL: P1 542 R: P1 E:B B: P1 E:FIL: P1 B:FIL: P1 B:FIL: P1 B:FIL: P1 E:FIL: P1 B:FIL: P1
	CONFERENC	<b>543</b> R P1 E:BB:P1 E:FIL:P1 <b>E</b> :ROOM T:P1 <b>544</b> R:P1 E:BB:P1 E:BB:P1 E:FIL:P1
00MIT:P1 512 R:P1 B1:BB:P1 F:EII:P2		<b>C.5</b>
COM T: P1 513 R: P1 B1:B B: P1 E:F L: P3		
COM T: P1 514 R: P1 B1:B B: P1 E:F L: P3		OFFICE T: P1 E:B B: P1 E:F L: P1 OFFICE T: P1 E:B B: P1 E:B B: P1 E:F L: P1
		OFFICE T: P1 547 R: P1 E:B B: P1 E:F L: P1 548 R: P1 E:B B: P1 E:B B: P1 E:F L: P1 F
	7	8

	6
G	ENERAL FINISH NOTES
1.	ALL FLOOR TRANSITIONS TO BE LOCATED AT CENTER OF DU.N.O.
2.	FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
3.	COORDINATE ALL MILLWORK WITH APPLIANCES BEFORE FABRICATION.
4.	ALL COUNTERTOP, BACKSPLASHES, AND EDGE BANDING T COORDINATING FINISHES.
5.	PROVIDE A SMOOTH TRANSITION AT ALL FLOOR MATERIAL SHEET A502 FOR TYPICAL FLOOR TRANSITION DETAILS.
6.	PAINT ALL NEW AND EXISTING GYP BOARD SOFFITS. REFE REFLECTED CEILING PLANS.
7.	SEE FINISH SCHEDULE FOR LOCATION OF FINISH MATERIAI
8.	ALL WALLS AND WALL BASE ARE TO BE PATCHED AND REP WHERE EXISTING WALLS WERE REMOVED.
9.	ALL WINDOW SILLS ARE TO BE CLEANED AND OR PATCHED REPAIRED WHERE EXISTING WALLS WERE REMOVED.
10.	CEILING GRID AND TILES ARE TO BE INSTALLED AT ALL LOO WHERE WALLS WERE REMOVED. STRAIGHT GRID AND CLE TILES CAN BE USED FROM THE CEILING AREAS THAT WERE REMOVED AND SALVAGED.
11.	PATCH AND REPAIR WALLS WERE MILLWORK HAS BEEN RE
12.	PROVIDE BASE AT ALL CABINET TEO SPACE UNLESS NOTE OTHERWISE.
13.	ALL COUNTERTOPS TO HAVE MATCHING 4" BACKSPLASH C AND SIDE WALLS, UNLESS NOTED OTHERWISE.
14.	ALL MILLWORK TO BE FINISHED ON ENDS.
FII	NISH PLAN SYMBOLS LEGEND
FL	OOR TRANSITIONS MARKER
	TRANSITION SYMBOL
F	SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION
BAS FLOC	FINISH TAG PLAN TOP WALL PLAN RIGHT WALL PLAN BOTTOM WALL PLAN LEFT WALL PLAN LEFT WALL PLAN LEFT WALL PLAN TOP WALL

 $\frac{2}{2}$ 

N.I.C = AREA NOT IN CONTRACT

EXISTING FLOORING TO REMAIN. PROTECT DURING DEMOLITION AND CONSTRUCTION.

# **KEYED NOTES**

CARPET TO RUN CONTINUOUS UNDER DEMOUNTABLE PARTITIONS 922.0

	FINISH	SCH		ULE		
					WALL	. FIN
NUMBER	ROOM NAME	FLOOR	BASE	ТОР	RIGHT	В
500	ELEVATOR LOBBY	E	E	P1	P1	P
501	HALL	E	E	P1	P1	Ρ
502	MECH SHAFT	E	E	E	E	E
503	STAIRS	E	E	E	E	E
504	MECHANICAL	E	E	E	E	E
505	ELECTRICAL	E	E	E	E	E
506	MEN RESTROOM	E	E	P1	P1	P
507	WOMEN RESTROOM	E	E	P1	P1	P
508	STAIRS	E	E	E	E	E
509	ELECTRICAL ROOM	E	E	E	E	E
510	IT ROOM	E3	B1	P1	P1	
511		F1	B1	P1	P1	
512		F	B1	P1	P1	
513			B1	D1	D1	
517			D1		D1	
514						
515	STORAGE					
510			E		E	
517	BREAKROOM	E	E	E	E	E
518	COLLAB. ROOM	E	B1	P3	-	-
519	COLLAB. ROOM	E	B1	P3	-	-
520	COLLAB. ROOM	E	B1	P3	P1	-
521	OPEN OFFICE	E	E	P1	P1	P
521	OPEN OFFICE	E	E/ B1	P1	P1	P
522	TRAINING ROOM	F1	B1	P1	P3	P
525	HALL	F1,F2	B1,B2	P1	P1	P
526	COMMUNICATION ROOM	F1,F2	B1	P1,P2	P3,P2	P
527	OFFICE	E	B1,B2	P3	-	-
528	COLLAB. ROOM	E	B1	P3	-	-
529	COLLAB. ROOM	E	B1	P3	-	-
530	OPEN OFFICE	E	E/ B1	P1	P1	Ρ
531	OFFICE	E	E	P1	P1	Ρ
532	OFFICE	E	B1	P1	P1	Ρ
533	OFFICE	E	E	P1	P1	P
534	OFFICE	E	E	P1	P1	P
535	CONFERENCE ROOM	E	E	P1	P1	P
536	OFFICE	E	E	P1	P1	P
537	OFFICE	E	E	P1	P1	P
538	OFFICE	E	E	P1	P1	P
539	OFFICE	F	F	P1	P1	P
540	OFFICE	F	F	P1	P1	
5/1		F	F	P1	P1	
5/2			E	D1	D1	
5/3		F	F	D1	D1	
544						
544						
540						<u>۲</u>
040 547					PI	<u>۲</u>
547		E	E	P1	P1	- P
548	UFFICE	E	E	P1	14	P

![](_page_8_Figure_8.jpeg)

A151.4

![](_page_9_Figure_0.jpeg)

4

\_\_\_\_\_3

2

1

# FURNITURE PLAN FOR REFERENCE ONLY. ALL FURNITURE PROVIDED BY OWNER.

5

![](_page_9_Figure_3.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_10_Figure_3.jpeg)

$\frown$	
(XXX)	DOOR NUMBER - SEE DOOR SCHEDULE FOR INFORMATION

$\frown$	
<b>``</b>	V VIINI

KEYED NOTES		
607.0	MILLWORK, FILLER PANEL	
822.0	1/2" THICK TEMPERED BUTT-GLAZED PANEL SYSTEM	
823.0	1/2" THICK, TEMPERED GLASS DOOR	
912.0	SCHEDULED BASE	
1001.0	SIGNAGE	
1003.0	FLUSH CORNER GUARD	
1010.2	LOCKERS, DOUBLE TIER. 12"W X 18"D	
1100.4	REFRIGERATOR, NIC	
2603.1	POWER OUTLET	
2603.5	ELECTRIC SWITCH	
2610.0	LIGHT FIXTURE	

![](_page_11_Figure_0.jpeg)

![](_page_11_Figure_4.jpeg)

5

4

![](_page_11_Figure_5.jpeg)

6

# **FINISH TAG**

F	SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH
,	INFORMATION- SEE FINISH SCHEDULE

# DOOR TAG

XXX DOOR NUMBER - SEE DOOR SCHEDULE FOR INFORMATION	1
---	---

# WINDOW TAG

WINDOW MARKER - SEE WINDOW SCHEDULE FOR INFORMAT
WINDOW WARKER - SEE WINDOW SCHEDULE FOR INFORIVA

KEYED NOTES							
605.0	MILLWORK, WALL MOUNTED CABINET WITH BLOCKING						
912.0	SCHEDULED BASE						
1002.0	WALL MOUNTED GLASS MARKER BOARD, BY OWNER (THROUGH MIDWEST OFFICE FURNITURE). CONTRACT PROVIDE BLOCKING.						
2603.1	POWER OUTLET						
2603.5	ELECTRIC SWITCH						
2610.0	LIGHT FIXTURE						
2711.1	WALL MOUNTED VIDEO MONITOR. SEE ELECTRICAL DR						
2722.0	CAMERA. SEE ELECTRICAL DRAWINGS. LOCATE PER MANUFACTURER'S RECOMMENDATIONS						

![](_page_11_Picture_15.jpeg)

![](_page_12_Figure_0.jpeg)

- FIRE SAFING REQUIRED AT ALL RATED WALLS, FILL IN	5 KEY FOR PARTITION TYPES	6 PARTITION AND FRAMING GENERAL NOTE
) DECK FLUTES, SOUND BATT INSULATION AT ALL OTHERS		FRAMED WALL PARTITIONS
<ul> <li>METAL DECK</li> <li>18 GA. METAL SLOTTED OVERSIZED CHANNEL</li> </ul>	CONSTRUCTION (SPEC. DIVISION) 3X 0 SERIES CONCRETE 4X 0 SERIES MASONRY 5X 0 SERIES COLD FORMED METAL STUDS, 16ga MIN.	1. PARTITION TYPE INDICATIONS <u>ARE INDEPENDANT</u> OF APPLIED FINISHES. SEE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TI COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.
- DISTANCE TO FIRST SCREW IN GYP. BOARD	9X U SERIES ME TAL STUDS NOMINAL SIZES: V = VARIABLE/MATCHEXISTING 1 = 1 5/8" STUDS EXAMPLE: WALL TYPE 9A3 IS A 3 5/8" METAL STUD WITH 5/8" GYPSUM 3 = 3 5/8" STUDS	2. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUP (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.
- 5/8" GYP. BOARD ON METAL STUD, DO NOT FASTEN INTO TOP CHANNEL	BOARD ON BOTH SIDES. $4 = 4"$ STUDS / $4"$ (NOM.) C.M.U.NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE INDIVIDUAL WALL TYPES AND SPECIFIC DETAILS, INCLUDING UL RATINGS. $4 = 4"$ STUDS / $4"$ (NOM.) C.M.U. $0 = 6"$ STUDS / $8"$ (NOM.) C.M.U. $10 = 10"$ (NOM.) C.M.U. OR CONC. $12 = 12"$ (NOM.) C.M.U. OR CONC.	3. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITION AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SH GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
E	RATED WALL LEGEND	a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
	<ul> <li>INCIDENTAL USE AREAS</li> <li>IHOUR SEPARATION</li> <li>HOUR SEPARATION</li> <li>HOUR SEPARATION</li> <li>HOUR SEPARATION</li> <li>HOUR SEPARATION</li> <li>HOUR SEPARATION</li> <li>HOUR SEPARATION</li> </ul>	USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENT c.
	90X-R SERIES FIRE RATING (ONLY WHEN NOTED): 1 = 1 HOUR RATED ASSEMBLY	SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS. 4.
	2 = 2 HOUR RATED ASSEMBLY 3 = 3 HOUR RATED ASSEMBLY NON-BEARING METAL HEADER SCHEDULE	STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH TESTED DEPTH ALLOWED IN THESE DOCUMENTS. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CONSTRUCTION OF CONCRETE, MASONRY AND STUD WALLS
		5. PROVIDE FIRE RATED CONSTRUCTION ASSEMBLIES WHERE INDICATED ON SHEETS G100'S AND FLOOR PLAN DRAWINGS.
	MAXIMUM SPAN         HEADER         FY           4'-0'         (2) 400S137-43         33 ksi           6'-0''         (2) 600S162-43         33 ksi	6. ALL DIMENSIONS ARE CENTER OF STUD OR FACE OF CONCRETE, MASONRY C ROUGH OPENING UNLESS NOTED OTHERWISE. <u>FACE OF FINISHED WALL WILL</u> <u>NOTED AS FOW</u> . 7
	8'-0"         (2) 800S162-43         33 ksi           METAL STUD HEADER NOTES:	AT ALL INTERIOR WALLS, STUDS, INSULATION AND GYPSUM BOARD ARE TO EXTEND TO THE DECK ABOVE. UNLESS NOTED OTHERWISE.
	1. SCHEDULE TO BE USED FOR NON-BEARING WALLS.	8. WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
	<ol> <li>HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA STANDARDS.</li> <li>SEE TYPICAL DETAIL FOR MORE INFORMATION.</li> </ol>	<ol> <li>ALL METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND A TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH STUD DEPTH, UNLESS NOTED OTHERWISE.</li> <li>10</li> </ol>
	NON-BEARING METAL STUD GAUGE SIZING	REFER TO SHEET <u>A500</u> FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATE WITH ALL METAL STUD PARTITIONS.
	MEMBER DEPTH IN 1/100 INCHES 400S137-43 FLANGE WIDTH IN 1/100 INCHES	PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER O PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. <b>CONSU</b> <b>WITH ARCHITECT PRIOR TO COMMENCING FRAMING.</b> INSTALL PER DETAILS <u>A</u> <u>AND A5/ A800</u> FOR CONTROL JOINTS.
	STYLE (S=STUD OR MATERIAL JOIST) THICKNESS IN MILS MEMBER DEPTH MAX STUD HEIGHT MIN. GA. & SPACING	AT WALL OPENINGS FOR PENETRATION OF PIPES, DUCTS, DEVICES, ETC., GYPSUM BOARD IS TO BE CUT TO MATCH THE SHAPE AND DIMENSION OF THE PENETRATING OBJECT AND THE GAP BETWEEN THE OBJECT AND THE WALL IS BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT ALL SIDES, MAXIMUM, THE OPENING FOR DUCTS OF LARGE PENETRATIONS S
	2 1/2" (250\$125-33)     10'-0"     20@16" O.C.       3 5/8" (362\$125-33)     14'-0"     20@16" O.C.	BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP EXCEEDS 3" FROM FRAMING TO THE OPENING.
	3 5/8" (362S162-33)       16-0"       20@16" O.C.         3 5/8" (362S162-43)       18-0"       18@16" O.C.         6" (600S162-33)       24'-0"       20@16" O.C.	CONTRACTOR TO PROVIDE BLOCKING / BACKING FOR ALL WALL MOUNTED EQUIPMENT. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR CABINETS, GRAB BARS ETC. INSTALL BLOCKING AS DETAILED OR AS REQUIRED TO MOU SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL
	6" (600\$162-43)       26'-0"       18@16" O.C.         6" (600\$162-54-50K\$I)       28'-0"       16@16" O.C.	<ul> <li>PER SHEET ASUL.</li> <li>14.</li> <li>WHERE THERE IS LIMITED WATER EXPOSURE: INSTALL ONE LAYER OF 5/8" TY WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOAR OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS:</li> </ul>
	METAL STUD NOTES: 1. STEEL STUDS SHALL MEET ICC REPORT ER-4943P AND THE SSMA	a. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS SINKS
LATION AS ARTITON TYPE	STANDARDS. HEIGHT BASED ON SSMA 2001 CATALOG AND PROJECT REQUIREMENTS.	b. AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
	<ol> <li>SEE SCHEDULE FOR STUD SPACING AND GAUGE. ALL STUDS AND BRACES SHALL BE 33 KSI UNLESS NOTED OTHERWISE IN THESE DRAWINGS.</li> <li>AT ALL DOODS PROVIDE TWO TAPPED 18 CALLOE STUDS AT BOTH.</li> </ol>	15. INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPS BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THEF NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED
TRACK. ATTACH TO /DER-DRIVEN 24" OC AND 2" FROM	SIDES OF JAMB.	a. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS
ANT FULL DEPTH OF		D. WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLAN AND/OR INTERIOR ELEVATIONS.
0. BOTH SIDES OF OR SLAB - REFER TO		c. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH
RAWINGS		<ul> <li>PLANS AND ELEVATIONS.</li> <li>WHERE NEW WALLS OR FURRING ARE INDICATED TO BE DIMENSIONED OFF C EXISTING WALL, THE NEW WALL SHALL BE STRAIGHT AND PLUMB REGARDLES</li> </ul>
<u>ON BASE</u>		ALL EXTERIOR STUD WALLS TO HAVE CONTINUOUS INSULATION, VAPOR BARF AND AIR INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAILS ON SHEET A520 FOR TYPICAL T
		18. OF WALL CONDITION THE AIR INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR
		OPENINGS. SEE DETAIL D3 AND C3 ON SHEET A510 FOR TYPICAL FIRE EXTINGUISHER CAE INSTALLATION DETAILS

# GENERAL NOTES

DANT OF APPLIED FINISHES. SEE THE FOR WALL FINISHES INCLUDING TILE NATIONS ON THE PLANS FOR

LOOR PLANS IS INTERRUPTED BY CONSTRUCTION ABOVE INTERRUPTION THE SAME AS THAT DESIGNATED FOR

RUCTION OF EACH PARTITION TYPE AS ARE INCORPORATED BY REFERENCE S PROJECT. HOWEVER, ADDITIONAL S MAY BE INDICATED BY THE QUIREMENTS ALSO APPLY AND SHALL UT ARE NOT LIMITED TO: ROUGHOUT UNLESS NOTED

ESS NOTED OTHERWISE IN THESE BY THE REFERENCED APPROVAL OR F ALLOWED IN THESE DOCUMENTS. THE DRAWINGS OR IN THE ) BY THE REFERENCED APPROVAL OR

FACE OF CONCRETE, MASONRY OR SE. FACE OF FINISHED WALL WILL BE

OF ANY DISCREPANCIES. RED ACOUSTIC PARTITIONS AND ARE BLANKET. THICKNESS TO MATCH

OR WALL CONDITIONS ASSOCIATED

ED WALLS AT APPROXIMATELY 30 OVE DOORS OR INSIDE CORNER OF CATION WHERE POSSIBLE. CONSULT RAMING. INSTALL PER DETAILS A3, B3

PIPES, DUCTS, DEVICES, ETC., E SHAPE AND DIMENSION OF THE EEN THE OBJECT AND THE WALL IS TO IT ON ALL SIDES WITH A 3/4" JOINT AT CTS OR LARGE PENETRATIONS SHALL ED CORNER BRACE IF THE GAP

KING FOR ALL WALL MOUNTED IOR ELEVATIONS FOR CABINETS. FAILED OR AS REQUIRED TO MOUNT E RETARDANT TREATED. INSTALL

RE: INSTALL ONE LAYER OF 5/8" TYPE X STM C1396 (WHERE GYPSUM BOARD OWING LOCATIONS:

OOMS AND KITCHENS, AND AS FINISH PLANS AND ELEVATIONS. E BACKER BOARD IN LIEU OF GYPSUM OF BASIC PARTITION WHERE THERE IS D FACE LAYER AT FIRE RATED

VER STALLS AND TUB SURROUNDS. INDICATED PER THE FINISH PLANS

ATED TO BE DIMENSIONED OFF OF AN TRAIGHT AND PLUMB REGARDLESS

INUOUS INSULATION, VAPOR BARRIER LL HEIGHT AND LENGTH OF THE LS ON SHEET A520 FOR TYPICAL TOP

TYPICAL FIRE EXTINGUISHER CABINET

![](_page_12_Picture_30.jpeg)

![](_page_12_Picture_31.jpeg)

![](_page_12_Picture_32.jpeg)

VCBO NUMBER: CLIENT NUMBER: DATE:

22015 00000 2022 10 25

![](_page_12_Figure_35.jpeg)

![](_page_13_Figure_0.jpeg)

1

1

![](_page_13_Figure_5.jpeg)

![](_page_13_Figure_6.jpeg)

4

![](_page_13_Figure_8.jpeg)

![](_page_13_Figure_9.jpeg)

![](_page_13_Figure_11.jpeg)

![](_page_13_Figure_12.jpeg)

2

![](_page_13_Figure_19.jpeg)

![](_page_13_Figure_20.jpeg)

4

# WALL-MOUNTED MONITORS BY OWNER FRY REGLET MILLWORK TRIM- LANGLE WITH RETURN KEY -

5

ANODIZED ALUMINUM FINISH ACOUSTIC FELT PANEL, TYPE S4

# 1/4" CLEAT TYPE HANGER

FRY REGLET MILLWORK TRIM- OUTSIDE CORNER WITH RETURN KEYS - ANODIZED ALUMINUM FINISH

### 1/4" CLEAT TYPE HANGER BACK-PAINTED GLASS OVER 1/4" MILLWORK SUBSTRATE

- 3 5/8" METAL STUDS

- 5/8" THICK GYP. BOARD, TYP.

6" METAL STUDS

\_\_\_\_

![](_page_13_Picture_35.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_14_Figure_2.jpeg)

![](_page_14_Figure_5.jpeg)

![](_page_14_Figure_7.jpeg)

![](_page_14_Figure_8.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_1.jpeg)

A4	POCKET	
	SCALE: 3" = 1'-0"	
		4

![](_page_16_Figure_0.jpeg)

![](_page_16_Picture_1.jpeg)

![](_page_16_Picture_2.jpeg)

824.0	DECORATIVE WINDOW FILM, SEE FINISH LEGEN

MARK	DESCRIPTION
(1)	1/2" GLASS WITH POLISHED EDGES
(#) <sub>T</sub>	'T' INDICATES TEMPERED GLASS

						SC	HEDUL	E - DOOF	R AND FRAME	5TH FLOOR			
DOO			R				FR/	AME	L L				
l K		SIZE				Т			U	O%	ш		
DOOR NUMBE	WIDTH	HEIGHT	ТНІСК	ELEV. TYPE	MATERIAL	FACING/FINIS	ELEV. TYPE	MATERIAL	FINISH/FACIN	HARDWARE (	GLAZING TYPI	LABEL (MIN.)	NOTES
500A	72"	108"	1/2"	2	GLASS		-	-		SEE SPEC SECTION 08 4213	1T	NR	
500B	72"	108"	1/2"	2	GLASS		-	-		SEE SPEC SECTION 08 4213	1T	NR	
510	36"	96"	1 3/4"	1	WOOD		а	HM	PAINT	EXISTING RELOCATED	N/A	NR	EXISTING DOOR, FR/ HARDWARE, RELO
515	36"	96"	1 3/4"	1	WOOD		а	HM	PAINT	2	N/A	NR	MATCH WOOD FIN EXISTING DOC
522A	36"	96"	1 3/4"	1	WOOD		а	HM	PAINT	3	N/A	NR	MATCH WOOD FIN EXISTING DOC
522B	36"	96"	1 3/4"	1	WOOD		а	HM	PAINT	3	N/A	NR	MATCH WOOD FIN EXISTING DOC
526A	36"	96"	1 3/4"	1	WOOD		а	HM	PAINT	1	N/A	NR	MATCH WOOD FIN EXISTING DOC
526B	36"	108"	1/2"	3	GLASS		-	-		SEE SPEC SECTION 08 4213	1T	NR	

DIR	DIRTT Finish Schedule					
Ta g	Finish	Specification				
M1	ANO	Grade 1 Anodized; Anodized Finish - Clear				
M5	GLS	COM GLASS DIRECT TO SITE - COM Stickbuilt Glass; Default 10mm; COM Glass; Flat Polish All Edges; 10.0; ;10.0mm				
M7	GLS	COM GLASS DIRECT TO SITE - Default 12mm; COM Glass; Flat Polish All Edges; 12.0; ;12.0mm				
M8	GLS	COM GLASS DIRECT TO SITE - Default 10mm; COM Glass; Flat Polish All Edges; 10.0; ;10.0mm				
M19	MCF	Write Away Tile - White				
M21	VEN	DIRTT Veneer - Grade 2; Veneer - Teck Walnut Quarter Cut Clear Coat (Satin); Quarter Cut				
M22	PWD	DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)				
M23	PWD	DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)				
M25	MCF	WriteAway: Fresh White Gloss				

<b>DIRTT</b> Zip	pper Schedule (Elevation Breakdown)
Elevation	Zipper Tag (Qty)
A	MFT2(1),Z1(1),Z15(3)
AA	MFT2(1),Z1(1),Z15(5)
AB	MFT2(1),Z1(1),Z15(5)
AC	Z1(1),Z15(1)
AD	Z1(1),Z15(1)
AE	Z1(1),Z12(1),Z15(3),Z3(1)
AF	Z1(1),Z15(4),Z3(1)
AG	Z1(1),Z12(1),Z15(3)
AH	Z1(1),Z15(4) Z1(1),Z15(5),Z2(2)
	Z1(1),Z15(5),Z3(2)
AJ	MET2(2) 71(1) 715(1)
AI	MFT2(1).Z4(1).Z7(1)
AM	MFT2(2),Z1(1),Z28(1)
AN	MFT2(1),Z4(1),Z7(1)
AO	MFT2(2),Z1(1),Z30(2)
AP	MFT2(2),Z1(1),Z30(2)
AW	MFT2(1),Z1(1),Z15(3)
AX	MFT2(1),Z1(1),Z15(3)
AY	MFT2(1),Z1(1),Z15(3)
AZ	MFT2(1),Z1(1),Z15(3)
В	MFT2(1),Z1(1),Z15(3)
BA	Z1(1),Z15(3),Z3(2)
BB	Z1(1),Z15(3),Z3(2)
BC	MF12(1),Z1(1),Z15(2),Z4(3),Z5(3)
BD	MF12(1),Z1(1),Z15(5),Z3(3)
BE	MF12(1),Z1(1),Z15(5),Z3(3) $MET2(1),Z1(1),Z15(2),Z4(2),Z5(2)$
BC	71(1) 715(3) 73(2)
вн	Z1(1) Z15(3) Z3(2)
BI	MFT2(1).Z1(1).Z15(3)
BJ	MFT2(1),Z1(1),Z15(3)
BK	Z1(1),Z15(3),Z3(2)
BL	Z1(1),Z15(3),Z3(2)
BM	MFT2(1),Z15(1),Z4(1),Z5(1)
BN	MFT2(1),Z1(1),Z15(2),Z3(1)
во	MFT2(1),Z1(1),Z15(3)
BP	MFT2(1),Z1(1),Z15(3)
BQ	MFT2(1),Z1(1),Z15(3)
BR	MFT2(1),Z1(1),Z15(3)
BS	Z1(1),Z15(5),Z4(2),Z5(2)
ВІ	Z1(1),Z15(7),Z3(Z) MET2(4) Z15(1)
BV	MFT2(1),215(1)
C.	MFT2(1) 71(1) 715(2)
D	Z1(1),Z15(1),Z4(1),Z7(1)
E	MFT2(1),Z1(1),Z15(5)
F	MFT2(1),Z1(1),Z15(5)
G	MFT2(2)
Н	MFT2(2)
I	MFT2(1),Z15(3)
J	MFT2(1),Z15(3)
К	MFT2(1),Z1(1),Z15(5)
L	MFT2(1),Z1(1),Z15(5)
M	MF12(1),Z1(1),Z15(4),Z3(2)
N	MFT2(1),Z1(1),Z15(2),Z4(2),Z5(2)
P	MET2(2), Z1(1), Z15(5), Z2(1), Z4(5), Z5(5)
n O	MFT2(1),Z1(1),Z15(3)
R	MFT2(1),Z1(1),Z15(3)
S	MFT2(1),Z1(1),Z15(3)
Т	MFT2(1),Z1(1),Z15(3)
U	Z1(1),Z15(5),Z3(2)
V	Z1(1),Z15(5),Z3(2)
W	MFT2(1),Z4(2),Z5(2)
Х	MFT2(1),Z1(1),Z15(2),Z3(2)
Y	MFT2(1),Z1(1),Z15(3)
Z	MFT2(1),Z1(1),Z15(3)

Tag	Zipper	Length	Quantity	Elevation
MFT2	Wall Trim - Silver	10'	60	A,AA,AB,AK,AL,AM,AN,AO, X,AY,AZ,B,BC,BD,BE,BF,BI, N,BO,BP,BQ,BR,BU,BV,C,E K I, M N O P O R S T W X Y
Z1	Half Zipper - Silver	10'	3	A,AA,AB,AC,AD,AE,AF,AG,A AK,AM,AO,AP,AW,AX,AY,AX B,BC,BD,BE,BF,BG,BH,BI,B N,BO,BP,BQ,BR,BS,BT,C,D M,N,O,P,Q,R,S,T,U,V,X,Y,Z
Z12	Flexible Zipper - Silver	10'	3	AE,AG
Z15	Acoustical Unizipper Notched Zipper - Silver	8' - 9 3/8	211	A,AA,AB,AC,AD,AE,AF,AG,A AK,AW,AX,AY,AZ,B,BA,BB,E ,BF,BG,BH,BI,BJ,BK,BL,BM, P,BQ,BR,BS,BT,BU,BV,C,D, L,M.N.O,P,Q,R,S,T,U,V,X,Y,
Z28	Acoustical Unizipper Notched Zipper - Silver	8' - 10 1/4	3	AM
Z3	Acoustical Unizipper Zipper - Silver	10'	49	AE,AF,AI,AJ,BA,BB,BD,BE,E ,BL,BN,BT,M,O,P,U,V,X
Z30	Acoustical Unizipper Notched Zipper - Silver	8' - 4 1/2	6	AO,AP
Z4	Barn Door Guide Zipper - Silver	10'	23	AL,AN,BC,BF,BM,BS,D,N,P,
Z5	Barn Door Strike Zipper - Silver	10'	19	BC,BF,BM,BS,N,P,W
Z7	Barn Door Strike Wall Trim - Silver	10'	4	AL,AN,D

<b>DIRTT Wal</b>	I Box	Frame Sche		
Frame Tag	Side	Elevation	Wall Box Tag	DIRTT Power SKU
F1147	А	AY,AZ	WB23 (669.13434 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1147	В	AY,AZ	WB23 (675.48267 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1169	А	AW,AX	WB23 (669.13434 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1169	В	AW,AX	WB23 (676.6516 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1170	А	BI,BJ	WB23 (669.13434 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1170	В	BI,BJ	WB23 (675.48267 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1194	А	BG,BH	WB23 (509.32394 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1194	В	BG,BH	WB23 (949.89386 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1195	А	BA,BB	WB23 (509.32706 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1195	В	BA,BB	WB23 (949.89386 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1199	А	BK,BL	WB23 (509.32706 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1199	В	BK,BL	WB23 (949.89386 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1282	А	BQ,BR	WB22 (515.67706 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F1282	В	BQ,BR	WB22 (658.5504 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F1308	В	BU,BV	WB22 (226.76988 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F1311	А	BM,BN	WB23 (587.7471 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1312	А	BO,BP	WB23 (515.67706 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F1312	В	BO,BP	WB23 (658.5504 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F878	А	A,B	WB22 (678.7244 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F884	А	AA,AB	WB23 (671.5993 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F884	В	AA,AB	WB23 (671.6434 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F886	А	E,F	WB23 (671.6117 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F886	В	E,F	WB23 (671.6062 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F889	А	K,L	WB23 (671.6179 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F889	В	K,L	WB23 (671.6207 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F891	А	AI,AJ	WB22 (605.09174 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F891	В	AI,AJ	WB22 (605.1041 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F894	A	U,V	WB23 (671.6179 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F894	В	U,V	WB23 (671.6186 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F901	A	Y,Z	WB22 (761.88837 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F901	В	Y,Z	WB22 (761.8867 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F906	A	Q,R	WB23 (761.9411 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F906	В	Q,R	WB23 (761.9416 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F908	A	S,T	WB23 (761.88837 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F908	В	S,T	WB23 (761.8867 mm, 401.91135 mm)	WSCS24D22A1ZZZ1410FTF5WWT
F910	В	I,J	WB24 (778.13855 mm, 401.91135 mm)	WSCS24D22A1ZZZ1710FTF5WWT
F912	А	AG,AH	WB22 (562.5424 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT
F912	В	AG,AH	WB22 (562.5425 mm, 401.91135 mm)	WSCS24D22B1ZZZ1410FTF5WWT

Electric	Electrical Assembly Schedule						
Tag	SKU	Abbreviated Description					
MFT131	FW20-45W	Female Whip (5 Wire) (20 feet)					
MFT132	FW15-45W	Female Whip (5 Wire) (15 feet)					
WB22	WSCS24D22B1ZZZ1410FTF5WWT	2 Gang Wall Box (Top Fed Wiring,2 Gang Narrow Wall Box Trim,White,Decor Duplex/other,White,Krone Leviton,Female Whip (5 wire) 422,10 feet,WSCS Ba					
WB23	WSCS24D22A1ZZZ1410FTF5WWT	2 Gang Wall Box (Top Fed Wiring,2 Gang Narrow Wall Box Trim,White,Decor Duplex/other,White,Krone Leviton,Female Whip (5 wire) 422,10 feet,WSCS Ba					
WB24	WSCS24D22A1ZZZ1710FTF5WWT	2 Gang Wall Box (Top Fed Wiring,2 Gang Narrow Wall Box Trim,White,Decor Duplex/other,White,Hubbell - for Nordex Cat 6 jacks,Female Whip (5 wire) 422					

Tag	Style Name	Size	Handedness	Hardware Type	Closer Type	Stopper	Door Base Style	Finish Tag	Hardware Description	Center Location AFF	Door Track Type
FBD417	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD418	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LHR	Adams Lock	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD419	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	RH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD420	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD421	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD422	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	RHR	Adams Lock	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD423	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	RHR	Adams Lock	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD424	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD425	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LHR	Adams Lock	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD426	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	RH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD427	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD428	Glass_Barn_Door_Frameless_f	Height 8' - 8 3/4" X Width 3' - 4 1/4"	RH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD429	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LHR	Adams Lock	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD430	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	RH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD431	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD432	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LHR	Adams Lock	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD433	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	RH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD435	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD443	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD446	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	LH	None	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
FBD452	Glass_Barn_Door_Frameless_f	Height 8' - 7 7/8" X Width 3' - 4 1/4"	RH	Adams Lock	Soft Close	N/A	N/A	M1, M22, M8	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	Barivot Barn Door Slim Track
PD78	Glass_Pivot_Door_Frameless	Height 8' - 4 7/8" X Width 3' - 1 7/8"	LH	Standard Pull Bottom Locking	90 Hold Open	N/A	N/A	M7	30" x 24" C to C Bar Pull 630 Finish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	N/A
PD79	Glass Pivot Door Frameless	Height 7' - 11 5/8" X Width 3' - 1 7/8"	ІН	Standard Pull Not Locking	90 Hold Open	N/A	N/A	M7	30" x 24" C to C Bar Pull 630 Einish	30" x 24" C to C Bar Pull 630 Finish(4' - 5 3/4")	N/A

![](_page_17_Figure_6.jpeg)

1 NEW INTERSECTION DETAILS

DG-100

Menage 3 Way Connection

![](_page_17_Figure_8.jpeg)

Barn Door

Menage 3 Way Connection

![](_page_17_Figure_10.jpeg)

![](_page_17_Picture_14.jpeg)

![](_page_17_Picture_15.jpeg)

![](_page_17_Picture_16.jpeg)

ora 20 amp receptacle,White,Decora Barrier kit) ora 20 amp receptacle,White,Decora Barrier kit) ora 20 amp receptacle,White,Decora 22,10 feet,WSCS Barrier kit)

Stickbuilt Wal Square Corner (the Chicago)

Λ No Frame DWL Snap Line Intersection

![](_page_17_Figure_21.jpeg)

1" = 1' 0" / 1:12

HOLD TO DIMENSIONS	ELECTRICAL / DATA	
The DIRTT wall order and manufacturing will be based on an agreed upon hold-to dimensions for the ceiling height and wall length per the provided shop drawings. It is agreed and confirmed that	Device Box and Faceplate Family:	□ Mixed (see plan)
the wall lengths will be built according to the shop drawings floor plan dimensions and that the gypsum ceiling will be installed to a <u>minimum</u> height of 8'-0" (96") AFF in all locations where DIRTT walls will be installed. Any floor to ceiling height variation in areas where DIRTT walls and doors	Type of Electrical Required:         ✓ Power       ✓ Data (Phone)       □ Light Switch Box □       Junction Box	<ul> <li>□ Mixed (see plan)</li> <li>□ Wall Sconce Box</li> </ul>
are to be installed that fall outside of the wall heights as indicated on the DIRTT Shop Drawings, will require a Change Order at an additional cost beyond the current contract amount and scope of work. Any required changes after a complete order package is submitted to DIRTT may affect the	Receptacle         Faceplate         Style:           Standard         Style         Decorator         Style	□ Mixed (see plan)
financial contract sum, production and installation schedule.	Light Switch Faceplate Style: □ Standard Style ▼ Decorator style	□ Mixed (see plan)
	Faceplate / Trim ring Color:         □ Black       □ Gray         □ Stainless Steel       □ Other	<ul> <li>□ Mixed (see plan)</li> <li>□ Almond</li> </ul>
	Power/Data Level:       □       (pre-cut tile, device box, trim rings and faceplates)         □       Level 1       (pre-cut tile, device box, trim rings and faceplates)         □       Level 2       (Level 1 + 3/4" empty EMT for data)         □       Level 3       (Level 1+ pre-wired devices, AC90 flex cable (3 12 gauge w + bare ground) with a pigtail end, 3/4" empty EMT for Data)         ✓       Level 4       (Level 1+ pre-wired devices box unless specified in Special Elect (Level 1+ pre-wired devices, 1/2" - 8 wire power with a whip and a quick-connect end, 3/4" empty EMT for data)	☐ Mixed (see plan) <i>v</i> ires xtrical Instructions) extension
	Light Switch Level:         Level 1       (pre-cut tile, device box, trim rings and faceplates)         Level 2       (Level 1 +1/2" empty aluminum flex conduit)	□ Mixed (see plan)
	Pre-cut tile only for:         Power       Data         Uptote       Light Switch Box         Junction Box         Size	<ul> <li>□ Mixed (see plan)</li> <li>□ Wall Sconce Box</li> </ul>
	Feeds from: □ Floor   ✔ Ceiling   □ Wall	$\Box$ Mixed (see plan)
	Aluminum Flex / AC90 extends how far beyond top/bottom of panel (10 - EMT (Electrical Metallic Tubing) extends how far beyond top of panel? (NOTE: Always 1/2" below frame for base feeds) - Data Face Plates: Conventional family Decorator Style	) ft default): (6" to 8" default):
	DIRTT Power family         Decora cat# DE301       cat# NO309       cat# HBL317         cat# AM313       cat# OR306       cat# PA308       cat# SI305         TL318       TL319       cat# KR314       cat# MT316         cat# NV304       PA321       DAV326       DAV324         OR322       IN323       Other       -	□ cat# AMP303 □ cat# SI315 □ cat# LT309 □ DAV325 □ Mixed (see plan)
	EXCEPTIONS:	
	Wire Specification (12 gauge default):         □ 10 gauge       □ Other	□ Mixed (see plan)
	Power Conduit Type (1/2" ID Aluminum Flex default):         □ 1/2" ID EMT       □ 3/4" ID EMT       □ None	□ Mixed (see plan)
	Light Switch Conduit Type (1/2" ID Aluminum Flex default):         1/2" ID EMT       3/4" ID EMT       None	$\Box$ Mixed (see plan)
	Data Conduit Type (3/4" ID EMT default):         □ 1/2" ID EMT       □ None	□ Mixed (see plan)
	SPECIAL INSTRUCTIONS:	

Barn Door Track Schedule					
Barn Door Track	Frame	Active Door	Closer Type	Elevations	
BDT24	F1288	FBD417	Soft Close	C (Side A), D (Side B)	
	F1288	FBD420	Soft Close	O (Side A), P (Side B)	
	F1288	FBD421	Soft Close	O (Side A), P (Side B)	
	F1288	FBD427	Soft Close	M (Side A), N (Side B)	
	F1288	FBD431	Soft Close	BE (Side A), BF (Side B)	
	F1288	FBD435	Soft Close	BC (Side A), BD (Side B)	
	F1288	FBD443	Soft Close	BS (Side A), BT (Side B)	
	F1292	FBD423	Soft Close	AK (Side A), AL (Side B)	
BDT25	F1289	FBD418	Soft Close	O (Side A), P (Side B)	
	F1290	FBD419	Soft Close	O (Side A), P (Side B)	
	F1290	FBD426	Soft Close	M (Side A), N (Side B)	
	F1290	FBD430	Soft Close	BE (Side A), BF (Side B)	
	F1290	FBD433	Soft Close	BC (Side A), BD (Side B)	
	F1294	FBD425	Soft Close	W (Side A), X (Side B)	
	F1296	FBD428	Soft Close	AM (Side A), AN (Side B)	
	F1298	FBD429	Soft Close	BE (Side A), BF (Side B)	
	F1298	FBD432	Soft Close	BC (Side A), BD (Side B)	
	F1300	FBD452	Soft Close	BS (Side A), BT (Side B)	
BDT26	F1291	FBD422	Soft Close	O (Side A), P (Side B)	
BDT27	F1293	FBD424	Soft Close	W (Side A), X (Side B)	
BDT28	F1293	FBD446	Soft Close	BM (Side A), BN (Side B)	

![](_page_17_Picture_27.jpeg)

Two-Timer 3 Way Connection

![](_page_17_Picture_29.jpeg)

Square Corner (the Chicago)

![](_page_17_Picture_31.jpeg)

![](_page_18_Figure_0.jpeg)

1 AREA C NEW FLOOR PLAN DW-201

1/4" = 1'-0" / 1:48.000002

![](_page_18_Figure_4.jpeg)

![](_page_18_Figure_5.jpeg)

This drawing represents Henriksen Butler's ("HB Build")		
interpretation of the design intent and serves as shop drawings for DIRTT Environmental Solution Ltd. manufacturing purposes. The details and scope of these shop drawings represent the	Device Box and Faceplate Family:	□ Mixed (see pla
product that will be produced by DIRTT and delivered to site. Any additions or changes to, or deletions or deviations from, these drawings will be regarded as a change order and	Type of Electrical Required:         ✓ Power       ✓ Data (Phone)       □ Light Switch Box □ Junction Box	<ul> <li>□ Mixed (see plan</li> <li>□ Wall Sconce B</li> </ul>
processed accordingly. Manufacturing will not commence without approval of these shop drawings.	Receptacle Faceplate Style: □ Standard Style ▼ Decorator style	□ Mixed (see pla
You agree to immediately notify Henriksen Butler of any discrepancies between the on-site dimensions and ceiling heights and those contained in the approved drawings. Upon	Light Switch Faceplate Style: □ Standard Style ▼ Decorator style	□ Mixed (see plar
notification, Henriksen Butler shall take all reasonable steps to make the necessary changes, but shall not be responsible for any additional costs or schedule delays associated with such changes.	Faceplate / Trim ring Color:         □ Black       □ Gray       ✓ White       □ Ivory         □ Stainless Steel       □ Other       -	<ul> <li>□ Mixed (see plan</li> <li>□ Almond</li> </ul>
You agree to provide a sample of all contractor-supplied hardware or COM to Henriksen Butler within one week of approval of shop drawings. Wherever possible, actual samples of hardware are to be provided to Henriksen Butler for DIRTT's manufacturing processes. Henriksen Butler shall not be responsible for any additional costs or schedule delays associated with changes in hardware specifications.	Power/Data Level:         □ Level 1       (pre-cut tile, device box, trim rings and faceplates)         □ Level 2       (Level 1 + 3/4" empty EMT for data)         □ Level 3       (Level 1+ pre-wired devices, AC90 flex cable (3 12 gauge w + bare ground) with a pigtail end, 3/4" empty EMT for Data) (single circuit per device box unless specified in Special Elec (Level 1+ pre-wired devices, 1/2" - 8 wire power with a whip end a gruid computer and 2/4" empty EMT for data)	Mixed (see plan ires trical Instructions) extension
THESE DRAWINGS ARE THE CONFIDENTIAL AND PROPRIETARY INFORMATION OF HENRIKSEN BUTLER DESIGN GROUP. ANY REPRODUCTION, ALTERATION, DISCLOSURE OR USE OF THIS DRAWING OTHER THAN	Light Switch Level: Level 1 (pre-cut tile, device box, trim rings and faceplates) Level 2 (Level 1 +1/2" empty aluminum flex conduit)	$\Box$ Mixed (see plan
AS AGREED TO BY HENRIKSEN BUTLER DESIGN GROUP IS EXPRESSLY PROHIBITED.	Pre-cut tile only for:         Power       Data         Other       -         Size       -	□ Mixed (see plar □ Wall Sconce B
	Feeds from: □ Floor	□ Mixed (see pla
	Aluminum Flex / AC90 extends how far beyond top/bottom of panel (10	ft default):
	EMT (Electrical Metallic Tubing) extends how far beyond top of panel? ( (NOTE: Always 1/2" below frame for base feeds)	6" to 8" default):
	Data Face Plates: Conventional family Decorator Style	
	DIRTT Power family         Decora cat# DE301       cat# NO309       cat# HBL317         cat# AM313       cat# OR306       cat# PA308       cat# SI305         TL318       TL319       cat# KR314       cat# MT316         cat# NV304       PA321       DAV326       DAV324         OR322       IN323       Other	<ul> <li>□ cat# AMP303</li> <li>□ cat# SI315</li> <li>□ cat# LT309</li> <li>□ DAV325</li> <li>□ Mixed (see plag</li> </ul>
	EXCEPTIONS:	
	Wire Specification (12 gauge default):         □ 10 gauge       □ Other	□ Mixed (see pla
	Power Conduit Type (1/2" ID Aluminum Flex default):         □ 1/2" ID EMT       □ 3/4" ID EMT       □ None	□ Mixed (see plan
	Light Switch Conduit Type (1/2" ID Aluminum Flex default): □ 1/2" ID EMT □ 3/4" ID EMT □ None	□ Mixed (see pla
	Data Conduit Type (3/4" ID EMT default):         □ 1/2" ID EMT       □ None	□ Mixed (see plan
	SPECIAL INSTRUCTIONS:	

DISCLAIMER

CONFEREN

OFFICE

545

OFFICE

546

1/4" = 1'-0" / 1:48.000002

ROOM

544

ELECTRICAL / DATA

# DEMOUNTABLE PARTITIONS BY DRAWINGS ARE PROVIDED FOR

![](_page_18_Figure_8.jpeg)

2 KEY PLAN ₩<u>201 (30</u>×42

Scale: 1/32" = 1'-0" / 1:384

![](_page_18_Picture_11.jpeg)

![](_page_19_Figure_0.jpeg)

DIR	IRTT Finish Schedule				
Ta g	Finish	Specification			
M1	ANO	Grade 1 Anodized; Anodized Finish - Clear			
M5	GLS	COM GLASS DIRECT TO SITE - COM Stickbuilt Glass; Default 10mm; COM Glass; Flat Polish All Edges; 10.0; ;10.0mm			
M7	GLS	COM GLASS DIRECT TO SITE - Default 12mm; COM Glass; Flat Polish All Edges; 12.0; ;12.0mm			
M8	GLS	COM GLASS DIRECT TO SITE - Default 10mm; COM Glass; Flat Polish All Edges; 10.0; ;10.0mm			
M19	MCF	Write Away Tile - White			
M21	VEN	DIRTT Veneer - Grade 2; Veneer - Teck Walnut Quarter Cut Clear Coat (Satin); Quarter Cut			
M22	PWD	DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)			
M23	PWD	DIRTT Powder Coated Grade 2; Powder Coat - Shimmer DPM50 (Metallic)			
M25	MCF	WriteAway: Fresh White Gloss			

![](_page_19_Figure_6.jpeg)

GATE VALVE	
05 & Y PATTERN GATE VALVE	
BALL VALVEŌ	
HEAT TRACING	HEATING WATER RETURN HWR-
DEIONIZED WATERDI	
CHECK VALVE (SWING OR LIFT AS REQ'D)	
SOLENOID VALVE	
AUTOMATIC CONTROL VALVE (2-WAY)	
AUTOMATIC CONTROL VALVE (3-WAY)	
	ELBOW DOWN
AIR VENT (AUTOMATIC)	ELBOW UP
REFRIGERANT LIQUID	
REFRIGERANT SUCTIONRS	
THERMAL EXPANSION VALVE	
	DOMESTIC COLD WATER DOW
	HOT WATER CIRC. DHWR
PET COCK OR GAUGE COCK	TEMPERED WATER T T
	SANITARY (PLBG) VENT
PRESSURE GAUGE W/GAUGE COCK	SANITARY SEWER ABOVE GRADE
THERMOMETER	
TEMPERATURE & PRESSURE TEST PLUG	DRAIN D
AQUASTAT	
HOSE BIBB OR SILLCOCK	STORM DRAIN PIPING BELOW GRADE SD-
FLOOR DRAIN	NATURAL GAS NG-
FLOOR SINK	COMPRESSED AIR
HOT GAS BYPASS	
	STEAM S
FLOOR OR GRADE CLEANOUT	CONDENGATE C
	GREASE WASTE GW -
GĊO-1	FUEL SUPPLY FS -

RETURN OR EXHAUST DUG	CT DOWN	
RETURN OR EXHAUST DUC	CT UP	
SUPPLY AIR DUCT DOWN		
SUPPLY AIR DUCT UP		$\sum$
SPIN-IN FITTING W/MVD		
FLEXIBLE DUCT CONNECT	TION	
CEILING SLOT DIFFUSER		
CEILING DIFFUSER		$\times$
CEILING EXHAUST GRILLE	E	$\bowtie$
CEILING GRILLE		
ACCESS PANEL		
MANUAL VOLUME DAMPE	२	
MOTORIZED DAMPER		
FIRE DAMPER		F
COMBINATION FIRE/SMOK	E DAMPER	
SMOKE DAMPER		
SMOKE DETECTOR		9
THERMOSTAT OR TEMP S	ENSOR	(t)
POINT OF CONNECTION TO	D EXISTING	$\bigcirc$
DETAIL TAG	DETAIL NO. — DRAWING NO	$\overline{}$
KEYED NOTE	NOTE NO. —	$\langle \cdot \rangle$
SECTION CUT LINE	SECTION NO DRAWING NO	
CONTROL TRANSFORMER		TRANS
SPACE STATIC PRESSURE	E SENSOR	(5P)

GENERAL	NOTES:

	INDICATES POINT OF CONNECTION OF NEW TO EXISTING MECHANICAL, EQUIPMENT, PIPING OR DUCTWORK.				
2	COORDINATE ALL FIRE SPRINKLER HEADS AND AIR DE AND ELECTRICAL DRAWINGS.	EVICE LOCATIONS WITH REFLEC	IED CEILING PLANS		
3	DUCTWORK SHALL BE INSULATED AS FOLLOWS: MEDIUM PRESSURE DUCT UP TO RTU: ROUND DUCTWORK: LOW PRESSURE RECTANGULAR DUCTWORK: ROUND FLEXIBLE DUCT (MAX 6' LONG) DUCTWORK INSTALLED OUTSIDE THE BUILDING *EXPOSED DUCT DOEN NOT REQUIRE INSULATION. *ALL INSULATION TO MEET NFPA 30 PER UL 181-CLASS NO DUCTBOARD ALLOWED.	LINED OR WRAPPED WRAPPED LINED N/A DOUBLE WALL	R-VALUE R-6 R-6 R-6 R-12		
4	ALL DUCT IS TO BE WRAPPED UP TO THE FCU'S. DUCT OR WRAPPED IF ROUND. NO DUCTBOARD IS ALLOWED.	WORK DOWNSTREAM OF THE VA	V'S IS TO BE LINED		
5	DUCTWORK AND PIPE ROUTING AS SHOWN ON DRAWINGS WHERE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIO	3 IS DIAGRAMMATIC AND IS NO 3 ARE REQUIRED FOR COORDIN NAL COSTS.	I TO BE SCALED. IATION OF WORK, THIS		
6	THIS CONTRACTOR SHALL CLOSELY COORDINATE NEW ELECTRICAL, ARCHITECTURAL AND BUILDING STRUCTUR	MECHANICAL WITH NEW AND EX E.	ISTING MECHANICAL,		
7	THIS CONTRACTOR SHALL FIELD VERIFY ALL MECHANIC ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRA EXISTING SITE CONDITIONS.	CAL ITEMS PRIOR TO STARTING ACTOR'S FAILURE TO BECOME F	NEW WORK. AMILIAR WITH		

- (8) THIS CONTRACTOR SHALL USE SMACNA DUCT CONSTRUCTION STANDARDS FOR SHEET METAL DUCTS. ALL DUCTWORK SHALL BE CONSTRUCTED FOR 1" W.C., STATIC PRESSURE, SEAL CLASS "A".
- (9) ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT ADOPTED EDITION OF THE BUILDING CODES, FIRE CODES, MECHANICAL CODES AND PLUMBING CODES.
- (10) THIS CONTRACTOR SHALL PROVIDE SUBMITTALS ON ITEMS LISTED IN MECHANICAL EQUIPMENT LIST TO THE
- ENGINEER FOR REVIEW PRIOR TO THE ORDER, PURCHASE OR INSTALLATION. (11) ALL VAV BOXES, RTU'S, WATER FLOW RATES AND DIFFUSERS MUST BE BALANCED TO THE VALUES INDICATED
- ON THE FLOOR PLANS. PROVIDE BALANCE REPORT TO ENGINEER PRIOR TO PROJECT CLOSEOUT. (12) DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
- (13) FIRE SPRINKLER CONTRACTOR SHALL ADD AND/OR RELOCATE SPRINKLER HEADS PER REFLECTED CEILING PLAN AND THE CURRENT ADOPTED EDITION OF NEPA AND BUILDING CODE.
- (14) ALL DOMESTIC COLD AND DOMESTIC HOT WATER PIPING SHALL BE TYPE 'L' COPPER. ALL WASTE AND VENT PIPING SHALL BE CAST IRON.
- (15) VENT THE HIGH POINTS OF NEW MECHANICAL PIPING.
- (16) INSULATE PIPING AS FOLLOWS:
- a. DOMESTIC HOT WATER PIPING: I" THICK FOR ALL PIPE SIZES. b. DOMESTIC COLD WATER PIPING:
- $\frac{1}{2}$ " THICK FOR PIPE SIZES  $\frac{1}{2}$ " TO 6". (PROVIDE CONTINUOUS VAPOR BARRIER.)
- d. HEATING WATER SUPPLY AND RETURN PIPING:
- 1.5" THICK FOR PIPE SIZES UP TO AND INCLUDING 11/2". 2" THICK FOR PIPE SIZES 2" AND LARGER.
- (17) INSULATE PIPING WITH FIBERGLASS PIPE COVERING WITH ALL SERVICE JACKET AND SELF-CAP SEAL. FITTINGS SHALL BE MITERED PIPING COVERING OF GLASS FIBER MOLDED FITTINGS FOR USE IN A RETURN AIR PLENUM. THERMAL CONDUCTIVITY SHALL BE A MAXIMUM OF .25/INCH THICKNESS AT 75°F.
- (18) MECHANICAL CONTRACTOR IS TO COORDINATE WITH ELECTRICAL ON SIZE/QUANTITY OF MOTORIZED DAMPERS. I. E. FIRE/SMOKE DAMPERS, FIRE DAMPERS, MOTORIZED DAMPERS, ETC. .
- (19) EACH TRADE IS RESPONSIBLE FOR THEIR OWN FIRE CAULKING.
- (20) M.C. MUST PROVIDE AND INSTALL ALL ACCESS DOORS FOR FCU'S, VALVES, FLOW METERS, ETC. COORDINATE LOCATION WITH GENERAL CONTRACTOR.
- (21) HOUSEKEEPING PADS FOR ALL EQUIPMENT IS PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
- COORDINATE LOCATION WITH MECHANICAL CONTRACTOR. (22) ALL TAKE-OFF'S THROUGHOUT THE ENTIRE BUILDING SHALL BE HIGH EFFICIENCY TAKE-OFF'S (HET's). NO EXCEPTIONS TAKEN.
- (23) ALL RETURN AIR GRILLES SHALL HAVE SOUND BOOTS W/ LINED INSULATION. INSULATION IS TO BE PAINTED FLAT BLACK.
- (24) M.C. TO SUBMIT TO ENGINEER ALL AS-BUILDS OF BUILDINGS MECHANCIAL AND PLUMBING SYSTEMS PRIOR TO JOB COMPLETION AND FINAL PAYMENT.
- (25) ALL EXPOSED PIPING IS TO BE INSULATED AND WEATHERPROOFED. SEE SPEC SECTION 22 07 00.
- (26) ALL INVERT ELEVATIONS SHOWN ON PLANS ARE BASED OFF OF FINISHED FLOOR ELEVATION AT 100.0'. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS FOR EXACT INVERT ELEVATIONS *O*F ALL LEVELS.
- (27) ALL FLOOR DRAINS / FLOOR SINKS THROUGH-OUT THE ENTIRE BUILDING ARE TO HAVE TRAP SEAL PRIMER VALVES OR TRAP GAURDS PROVIDED / INSTALL BY PLUMBING CONTRACTOR.
- (28) ALL GAS METER REGUALTORS ARE TO BE VENTED TO THE OUTSIDE OF THE BUILDING BY THE MECHANICAL CONTRACTOR OR PROVIDE / INSTALL VENTLESS REGULATORS IF ALLOWED BY THE LOCAL JURISDICTION. NONE OF THE VENT PIPING OFF THE REGULATORS ARE SHOWN ON THE PLANS FOR CLARITY.
- (29) ALL FIRE DAMPERS SHOWN ON PLANS SHALL COMPLY WITH THE REQUIREMENTS OF UL 555. ALL SMOKE DAMPERS SHOWN ON PLANS SHALL COMPLY WITH UL 5555. ALL COMBINATION FIRE / SMOKE DAMPERS SHOUN ON PLANS ARE TO COMPLY WITH BOTH UL 555 AND UL 5555. FOR ALL FIRE DAMPERS CONTRACTOR IS TO PROVIDE / INSTALL "NCA MODEL FD" (OR EQUAL), TO MEET STANDARD UL 555 RATING. FOR ALL SMOKE DAMPERS AND COMBINATION FIRE SMOKE DAMPERS CONTRACTOR IS TO PROVIDE / INSTALL "NCA MODEL FSD-3V-211" (OR EQUAL), TO MEET STANDARD UL 555 AND UL 5556 RATINGS.
- (30) THE MECHANICAL CONTRACTOR IS TO HAVE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EACH TYPE OF FIRE DAMPER, SMOKE DAMPER, AND COMBO FIRE / SMOKE DAMPERS ON THE JOB SITE AT TIME OF INSPECTIONS.
- (31) ALL THERMOSTAT LOCATIONS ON THE PLANS SHALL COORDINATED WITH FURNITURE PLANS AND VERIFIED WITH OWNER PRIOR TO ROUGH IN.

		8 € GF	RILLE S	CHED	ULE		GRILLE CFM
PLAN CODE	TYPE & DUTY	NECK SIZE	CEILING TYPE	N.C. LEVEL MAX	MAX. CFM	MANUFACTURER & MODEL NO.	REMARKS
1	24" x 24" SQ. SUPPLY	8"Ф	See Plans	29	225	AIR DIFFUSION PRODUCTS DNR	ADAPTER AND OBD WHERE APPLICABLE
2	24" x 24" SQ. SUPPLY	1 <i>0</i> "Φ	See Plans	3Ø	355	AIR DIFFUSION PRODUCTS DNR	ADAPTER AND OBD WHERE APPLICABLE
3	24" x 24" SQ. SUPPLY	12"Φ	See Plans	3Ø	510	AIR DIFFUSION PRODUCTS DNR	ADAPTER AND OBD WHERE APPLICABLE
4	12" x 24" PERF. RETURN	1Ø" × 22"	See Plans	-	625	PRICE PDR SERIES	PROVIDE ROUND DUCT CONNECTION AND OBD WHERE APPLICABLE
5	24" x 24" PERF. RETURN	22" x 22"	See Plans	-	135Ø	PRICE PDR SERIES	PROVIDE ROUND DUCT CONNECTION AND OBD WHERE APPLICABLE
6	24" x 24" SQ. SUPPLY	14" <b>Φ</b>	See Plans	30	7Ø5	AIR DIFFUSION PRODUCTS DNR	ADAPTER AND OBD WHERE APPLICABLE

- PROVIDE WITH OBD AND SQUARE TO ROUND ADAPTER WHERE APPLICABLE.

BUILDING HVAC CONTROLS NOTES: THIS WORK WILL REQUIRE THE USE OF THE SAME CONTRACTOR THAT HAS INSTALL AND MAINTAINS EXISTING BUILDING CONTROLS. COORDINATE POINT OF CONTACT WITH BUILDING OUNER.

- NEW VAV'S INTO EXISTING BAS. - PROVIDE UPDATED GRAPHICS TO SHOW NEW AND RE-USED VAV'S AND REVISED ZONING.
- TENANT NEEDS INCLUDING AFTERHOURS OVERRIDE, SETPOINTS, ALARMS, ETC. - PROVIDE NEW CONTROL VALVES FOR NEW RE-HEAT BOXES. - COORDINATE WITH BALANCING CONTRACTOR FOR NEW AND RE-USED BOX SETPOINT. - INSPECT ALL EXISTING BOXES TO VERIFY PROPER CONTROLS FUNCTION AND SERVICE
- AS REQUIRED. - PROVIDE SOFTWARE / FIRMWARE UPDATES AS REQUIRED. - COORDINATE INSTALLATION OF THERMOSTATS WITH OTHER TRADES AND BUILDING FURNITURE PRIOR TO ROUGH-IN.

- PROVIDE NEW CONTROLLERS FOR NEW VAY'S MATCHING EXISTING CONTROLLERS. THE

- PROVIDE ALL PROGRAMMING FOR NEW AND RE-USED VAV'S, RE-USED VAV'S AND ALL

![](_page_20_Figure_46.jpeg)

![](_page_21_Figure_0.jpeg)

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![](_page_21_Figure_2.jpeg)

	LEGEND:					
EXI	EXISTING TO REMAIN:					
	KEYED NOTES:					
$\overline{1}$	RELOCATE EXISTING DIFFUSER / GRILLE. PROVIDE NEW FLEX DUCT AS NECESSARY. SEE M201 FOR NEW LOCATION.					
2	REMOVE EXISTING DIFFUSER / GRILLE. RE-USE WHERE POSSIBLE.					
3	REMOVE EXISTING DUCTWORK. CAP AT MAIN.					
$\langle 4 \rangle$	EXISTING TO REMAIN.					

5 RELOCATE EXISTING VAV. SEE M205 FOR NEW LOCATION.

# GENERAL NOTES:

- A EXISTING CONDITIONS SHOWN ARE BASED ON SITE OBSERVATIONS AND MAY NOT REELECT EXACT CONDITIONS. THIS CONTRACTOR IS TO FILED VERIFY ALL ITEMS PRIOR TO STARTING WORK AND NOTIFY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.
- B DIFFUSERS AND GRILLES ARE TO ALIGN IN LINEAR PATTERNS AS MUCH AS POSSIBLE. SHIFT DIFFUSERS UP AS NECESSARY TO ALIGN DIFFUSERS.

![](_page_21_Figure_8.jpeg)

![](_page_22_Figure_0.jpeg)

![](_page_22_Figure_1.jpeg)

MECHANICAL FLOOR PLAN M205 SCALE: 1/8" = 1' - Ø" 6' Ø 4' 8' 12' 16'

	KEYED NOTES:
	MOVE EXISTING VAV TO LOCATION SHOWN. CAP AND SEAL DUCT AT TAKEOFF.
$\langle 2 \rangle$	DIFFUSER RELOCATED AND REUSED. SEE M205D FOR ORIGINAL LOCATION.
3	ADJUST DIFFUSER AS NECESSARY WITH WORK IN THIS AREA. DIFFUSER IS TO BE CENTERED IN THE ROOM AS CLOSELY AS POSSIBLE.
	GENERAL NOTES:
	EXISTING CONDITIONS SHOWN ARE BASED ON SITE OBSERVATIONS AND MAY NOT REELECT EXACT CONDITIONS. THIS CONTRACTOR IS TO FILED VERIFY ALL ITEMS PRIOR TO STARTING WORK AND NOTIFY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.
В	THE SPACE ABOVE THE CEILING IS INTENDED TO BE USED AS A RETURN AIR PLENUM. ALL ITEMS INSTALLED IN THE PLENUM (CABLES, PIPES, ETC) SHALL BE NON-COMBUSTIBLE AND RATED FOR PLENUM INSTALLATION.
	✓AV BOXES:

LEGEND:

EXISTING TO REMAIN:

12"¢ 1800 360

12 14"**Ф** 25*00* 240

13 16"Ф 34*00* 240

14 10"Φ 1200 315

|5 |Ø"Φ |2ØØ |ØØ

16 12"Ф 1800 200

![](_page_22_Figure_18.jpeg)

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![](_page_23_Figure_1.jpeg)

![](_page_23_Figure_2.jpeg)

	SYMBOLS LEGEND
SYMBOL	DESCRIPTION
REFERENC	E AND LINE SYMBOLS
A5 E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5 E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
A5 E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
X-X XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
$\sim$	BREAK, ROUND
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
WIRING ME	THODS
	WIRING.
$\sim$	WIRING TURNED UP OR TOWARDS OBSERVER.
6	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS.
1 -1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
♦	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK. CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER
(нс)	ADA ACCESS PUSH PLATE
9	JUNCTION BOX.
0	JUNCTION BOX, CEILING.
 	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION
000 000	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
A"xB" +/-C'-D"	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C'-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK.
	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
Ð	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT
T I	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR

	2		3
	SYMBOLSIEGEND		SYMBOLSIEGEND
SYMROL		SVMROU	
	VICES		
 ∦	RECEPTACLE, DUPLEX: NEMA 5-20R		
U L			CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
₩ A IJ	RECEPTACIE DI DI EX CEILING: NEMA 5 200		MOTOR
Фс	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R. RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT		MOTOR.
	INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.		TRANSFORMER (ONE-LINE DIAGRAM).
₩w	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.	225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
•	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.		
┢	RECEPTACLE, DUPLEX, CONNECTED TO UPS: NEMA 5-20R.	()225/3	
₽	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.	"1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
<b>D</b>	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.		
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.		
	RECEPTACLE, QUADRAPLEX ON EMERGENCY	)225/3 "1H"	
€	RECEPTACLE, QUADRAPLEX, CONNECTED TO UPS: NEMA 5-20R.		(ONE-LINE DIAGRAM).
<b>₽</b>	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT	60/3	
₩	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO		M
 ⊥	MATCH EQUIPMENT PLUG. RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER.		
	PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.		
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.		FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	DROP CORD. SEE DETAIL.		CONTROL MODULE.
FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL	ММ	MONITOR MODULE.
	FOR CONFIGURATION AND DEVICES.	F	FIRE ALARM MANUAL PULL STATION.
PT#	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.	R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
Ф	SWITCH, DIMMER.	5	MAGNETIC DOOR HOLDER.
× \$	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).	3	DETECTOR, SMOKE.
X \$3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).	H(Z)	DETECTOR, SMOKE, WALL MOUNTED.
X \$4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).		
\$т	SWITCH, TIMER OPERATED.	2	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
•••	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT		
	RECEPTACLE SINGLE PLEX WITH USB OUTLET		SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
			COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
(00-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.		
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR		DETECTOR, CARBON MONOXIDE.
	CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.		STROBE, WALL MOUNTED.
EM	EMERGENCY	75	CANDELA RATING.
<b>∠</b>			ALARM, HORN/SPEAKER, WALL MOUNTED, WEATHERPROOF.
			ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
$\bigcirc$		75	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
¥ ¥ (	EXIL SIGN: SINGLE FACE; WALL MOUNTED	X	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE.
$\mathbf{\Theta}$	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED	75	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELLA RATING.
₽.	EXIT SIGN: DOUBLE FACE; WALL MOUNTED	▶⊗⊲ 75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
LIGHTING (	CONTROL	75	SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
*	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.	(2) 75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT
×.	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.		
P	PHOTOCELL.		
HP	PHOTOCELL, WALL MOUNTED.		
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.		
<b>↓</b>	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.		
 *	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.		
* *	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.		
• ₩	DIMMER SWITCH/OCCUPANCY SENSOR COMBO,		
Ψ _••	DUAL LECHNOLOGY, WALL. DIMMER SWITCH/VACANCY SENSOR		
Ŭ,	COMBO, DUAL TECHNOLOGY, WALL.		
a,b \$	"a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION		
	AND PROGRAMMING REQUIREMENTS)		
RC	DIGITAL LIGHTING ROOM CONTROLLER		
DC	DIGITAL LIGHTING DIMMING CONTROLLER		
ET	LIGHTING EMERGENCY TRANSFER DEVICE		
	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.		

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	SYMBOLS LEGEND		ABBREVIATIONS					
SYMBOL	DESCRIPTION		NOT BE USED.					
ELECTRICA	AL POWER AND DISTRIBUTION	1P	SINGLE POLE	kVA	KILOVOLT AMPERE			
		1PH 1WAY	SINGLE-PHASE ONE-WAY	kVAR kW	KILOVOLT AMPERE REACTIVE KILOWATT			
225/3 225/3 "1H" "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).	2/C 2WAY	TWO-CONDUCTOR TWO-WAY	kWh LED	KILOWATT HOUR LIGHT EMITTING DIODE			
		3/C	THREE-CONDUCTOR	LFMC	LIQUID TIGHT FLEXIBLE METAL			
225/3		40UT	QUADRUPLE RECEPTACLE	LFNC				
"1H"    "1H"	(ONE-LINE DIAGRAM).	4PDT	FOUR-POLE DOUBLE THROW	LPS	LOW PRESSURE SODIUM			
<u> </u>		4PST 4W	FOUR-POLE SINGLE THROW FOUR-WIRE	LRA LTG	LIGHTING			
<u> </u>	EARTH GROUND (ONE-LINE DIAGRAM).	4WAY A	FOUR-WAY ABOVE COUNTER	LV MATV	LOW VOLTAGE MASTER ANTENNA TELEVISION			
•	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).		ARMORED CABLE	MAX	SYSTEM MAXIMUM			
G	GENERATOR, POWER (ONE-LINE DIAGRAM).		ACT	MC MCA	METAL CLAD MINIMUM CIRCUIT AMPS			
(M)	METER.	AFF	ABOVE FINISHED FLOOR	MCB				
	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE	AFG AIC	ABOVE FINISHED GRADE	MCP	MOTOR CIRCUIT PROTECTION			
	DIAGRAM).	ALUM	ALUMINUM	MDP MG	MAIN DISTRIBUTION PANEL MOTOR GENERATOR			
	DISCONNECT SWITCH, FUSED.	AMP ANN	AMPERE ANNUNCIATOR	MH MIN	MANHOLE MINIMUM			
	DISCONNECT SWITCH, UNFUSED.	AP	ACCESS POINT (WIRELESS DATA)	MLO MOCP	MAIN LUGS ONLY MAXIMUM OVERCURRENT			
Σ'n	STARTER, COMBINATION WITH DISCONNECT SWITCH.	AR ASC	AS REQUIRED AMPS SHORT CIRCUIT	MTS	PROTECTION MANUAL TRANSFER SWITCH			
	STARTER OR MOTOR CONTROLLER.	ATS	AUTOMATIC TRANSFER SWITCH	NA				
•	PUSHBUTTON.	AV		NEC	NATIONAL ELECTRICAL CODE			
			BUCK-BOOST TRANSFORMER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS			
	PUSHBUTTONS, MOTOR CONTROL.	BFF	BELOW FINISHED FLOOR	NFC	NATIONAL FIRE CODE			
	PANELBOARD CABINET, FLUSH MOUNTED.	BFG C	BELOW FINISHED GRADE CEILING MOUNTED	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION			
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.	CAT CATV	CATEGORY COMMUNITY ANTENNA	NIC NL	NOT IN CONTRACT NIGHT LIGHT			
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.	СВ	TELEVISION CIRCUIT BREAKER	NO NTS	NORMALLY OPEN NOT TO SCALE			
		ССВА	CUSTOM COLOR AS SELECTED BY ARCHITECT		ON CENTER			
	DISTRIBUTION PANEL OR SWITCHBOARD.		CLOSED CIRCUIT TELEVISION	OE	OWNER ELECTRONICS			
			CONTRACTOR INSTALLED	OF/CI	CONTRACTOR INSTALLED			
LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.		OWNER INSTALLED	OF/OI	INSTALLED			
\$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.		BY ARCHITECT	OFP OH DR	OBTAIN FROM PLANS OVERHEAD (COILING) DOOR			
	TRANSFORMER (SEE ONE-LINE FOR SIZE)	CM	CONSTRUCTION MANAGER	OL PB	OVERLOAD PUSHBUTTON			
		CND CO	CONDUIT CONVENIENCE OUTLET	PF PH	POWER FACTOR PHASE			
		COR	CONTRACTING OFFICER'S REPRESENTATIVE	PNL PNM				
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.	CP CT	CONTROL PANEL CURRENT TRANSFORMER	PR				
SECURITY		CTV CU	CABLE TELEVISION COPPER	PS PT	POWER SUPPLY POTENTIAL TRANSFORMER			
#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.	dBA	UNIT OF SOUND LEVEL	PTZ QTY	PAN/TILT/ZOOM QUANTITY			
	CARD READER.		THROW	R RCP	REMOVE REFLECTED CEILING PLAN			
		E	ENHANCED	RMC RNC	RIGID METAL CONDUIT RIGID NONMETAL CONDUIT			
		EA EM	EACH EMERGENCY	RPM RPP	REVOLUTIONS PER MINUTE			
		EMT ENT	ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC	RR	REMOVE AND RELOCATE			
		EPO	TUBING EMERGENCY POWER OFF	S/S SCA	SHORT CIRCUIT AMPS			
		EQUIP ER	EQUIPMENT EQUIPMENT ROOM	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT			
		EX F	EXISTING FURNITURE MOUNTED	SF SFBA	SQUARE FOOT (FEET) STANDARD FINISH AS			
		FA		SPD	SELECTED BY ARCHITECT SURGE PROTECTIVE DEVICE			
		FLA		SPDT SPEC	SINGLE POLE, DOUBLE THROW SPECIFICATION			
		FOB	FREIGHT ON BOARD	SPP SPST	STATION PATCH PANEL SINGLE POLE, SINGLE THROW			
		FPP FVNR	FIBER PATCH PANEL FULL VOLTAGE	ST SWBD	SINGLE THROW			
		FVR	NON-REVERSING FULL VOLTAGE REVERSING	SWGR	SWITCHGEAR			
		GEN GFCI	GENERATOR GROUND FAULT INTERRUPTER	TP	TELEPHONE POLE			
		GFP	GROUND FAULT PROTECTION	TP TR	I WIS FED PAIR TELECOMMUNICATIONS ROOM			
		GND	GROUND	TTB TV	TELEPHONE TERMINAL BOARD TELEVISION			
		HID	HIGH INTENSITY DISCHARGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER			
		HOA HP	HAND-OFF-AUTOMATIC HORSE POWER	TYP UF	TYPICAL UNDERFLOOR			
		HPF HPS	HIGH POWER FACTOR HIGH PRESSURE SODIUM	UGND				
		HV HWM	HIGH VOLTAGE HORIZONTAL WIRE	UP3				
		H7	MANAGEMENT	v VA	VOLTS VOLT AMPERE			
		1/0		VFC/VF D	VARIABLE FREQUENCY MOTOR CONTROLLER			
		IMC		VWM W/	VERTICAL WIRE MANAGEMENT WITH			
		IN/IS	INSULATED/ ISOLATED	W/O WP	WITHOUT WEATHERPROOF			
		IR J-BOX	INFRARED JUNCTION BOX		WIRELESS PATCH PANEL			
		kV	KILOVOLT					

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# GENERAL ELECTRICAL NOTES

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CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.

- OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
- A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
- B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES. AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
- C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
- EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
- SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
- REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
- ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

# ELECTRICAL SHEET INDEX

EE001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
EE003	TELECOM SCHEDULES AND NOTES
EE004	AUDIO VISUAL SCHEDULES AND NOTES
EE501	ELECTRICAL DETAILS
EE701	TYPICAL MOUNTING HEIGHT DETAILS
ED105	LEVEL 5 ELECTRICAL DEMOLITION PLAN
ED205	LEVEL 5 CEILING DEMOLITION PLAN
EP105	LEVEL 5 POWER PLAN
EP601	EQUIPMENT AND PANEL SCHEDULES
EL105	LEVEL 5 LIGHTING PLAN
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
EL602	LIGHTING CONTROL SCHEDULES
ET105	LEVEL 5 TELECOM PLAN
ET401	ENLARGED TELECOM PLANS
ET501	TELECOM EQUIPMENT RACK ELEVATIONS
ET502	TELECOM DETAILS
ET503	TELECOM EQIPMENT RACK GROUNDING DETAIL
ET601	TELECOM RISER DIAGRAMS
EY105	LEVEL 5 AUXILIARY PLAN
EJ105	LEVEL 5 AV ROUGH-IN PLAN
EJ601	AV ROUGH-IN SCHEDULES
TA004	OUEET INDEX ADDDEV/ATIONO AND OFNEDAL NOTEO

TA001SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTESTA501AUDIO VISUAL SYSTEMS DETAILS

TA601 AUDIO VISUAL SYSTEMS SCHEDULES

# DEFINITIONS

5

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![](_page_24_Figure_29.jpeg)

1		2	
	CLINIC/HOS COLOR BLUE	SPITAL - CABLE/OUTLET COLOR SCHEDUL TYPE DATA	E
	BLUE YELLOW	IP SECURITY CAMERAS WIRELESS	
E			
D			
с			
В			
A			

COPPER PATCH CORD SCHEDULE									
(CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)									
LENGTH (FEET) COLOR QUANTITY UNIT COST (EACI									
5'	BLUE	20% OF TOTAL PORTS IN TDR'S							
7'	BLUE	60% OF TOTAL PORTS IN TDR'S							
10'	BLUE	20% OF TOTAL PORTS IN TDR'S							

# WIRELESS PATCH CORD PATCH CORD SCHEDULE (CATEGORY 6A F/UTP W RJ/45 CONNECTORS

, ,			
LENGTH (METER)	COLOR	QUANTITY	UNIT COST (EACH)
7'	YELLOW	100% OF TOTAL PORTS IN TDR'S	

THE ITEMS	INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITE	MS OF SIGNIFICANCE USED DURING THE
DESIGN OF	THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, 1	THE ENTIRE ASSEMBLY SHALL BE PROVIDED
UNLESS SP	ECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT	BE LISTED HERE, FOR A COMPLETE
INSTALLATI	ON. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIE	ES PRIOR TO BID. IF CATALOG NUMBERS
DO NOT MA	TCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR	R APPROVAL PRIOR TO PURCHASING ANY
EQUIPMEN <sup>-</sup>	T OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.	
SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, DATA	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, YELLOW, WIRELESS DATA	SIEMON 9A6R4-A5-05-R1A
	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
V	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
4	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION	SIEMON 10GMX-FPS04-02
V	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
(((•)))	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SMZ2-02
ć	CATEGORY 6A JACK - DATA, YELLOW	SIEMON Z6A-S05
SPP1	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
HWM2	HORIZONTAL WIRE MANAGERS, FRONT ONLY, 2RU, BLACK	PANDUIT NCNHAEF2
VWM	VERTICAL WIRE MANAGERS, 10" WIDTH, DOUBLE SIDED, BLACK, 7'	CHATSWORTH 40096-703
	EQUIPMENT RACK 19" x 7', 45 RU, BLACK	CHATSWORTH 55053-703
	DATA CENTER CABINET, 45RU x 600mm x 1200mm, BLACK	DCE E4562120122001S
	CABLE RUNWAY - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-724
	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATSWORTH 10250-718
	BUTT SPLICE KIT, BLACK	CHATSWORTH 11301-701
	JUNCTION SPLICE KIT, BLACK	CHATSWORTH 11302-701
	FOOT KIT, BLACK	CHATSWORTH 11309-701
	6" CHANNEL RACK TO RUNWAY, BLACK	CHATSWORTH 12409-724
	TRIANGLE BRACKETS, BLACK	CHATSWORTH 11746-724
	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11700-724
	WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATSWORTH 11421-724
	CABLE RUNWAY ELEVATION KIT, 6"	CHATSWORTH 10506-706
	CABLE RUNWAY RADIUS DROP	CHATSWORTH 12100-712

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

# CLINIC/HOSPITAL - EQUIPMENT/CABLE LIST

- 5

# CLINIC/HOSPITAL -GENERAL PROJECT NOTES

- 1. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
- 2. PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- 3. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
- 4. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- 5. IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
- 6. GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- 7. FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
- 8. PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- 9. RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDO AT 801-707-3805.
- 10. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT, OR INCIDENTAL OVERSPRAY.

# ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A CAT E EA ER FPP GIG
HWM
NIC
OE
F3 RDD
SPP
TYP
VWM

EQUIPMENT ROOM FIBER PATCH PANEL GIGA HERTZ

AUGMENTED CATEGORY ENHANCED EACH

- HORIZONTAL WIRE MANAGEMENT
- NOT IN CONTRACT OWNER ELECTRONICS PLENUM
- PAIR POWER SUPPLY
- RISER PATCH PANEL STATION PATCH PANEL TELECOMMUNICATIONS ROOM
- TYPICAL VERTICAL WIRE MANANGEMENT

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![](_page_25_Figure_38.jpeg)

![](_page_25_Picture_39.jpeg)

	7									
AV RACEWAY SYSTEMS SCHEDULE										
SYMBOL	DESCRIPTION	MOUNTING	SPECIAL INSTRUCTIONS							
TPW	JUNCTION BOX FOR TOUCH PANEL, 4-11/16" BOX WITH A 2-GANG MUD RING, MAXIMUM DEPTH FOR STUD SPACE	FLUSH IN THE WALL AT ELECTRICAL SWITCH HEIGHT								
	CONDUIT, 3/4" MINMUM EMT	CONCEALED BEHIND FINISHED SURFACES, UNLESS NOTED OTHERWISE	REFER TO RISER DIAGRAMS FOR EXACT SIZES & QUANTITIES							
CP1	JUNCTION BOX, 1-GANG, MINIMUM 3" DEEP	FLUSH IN THE WALL AT ELECTRICAL OUTLET HEIGHT								
CP2	JUNCTION BOX, 4-11/16" BOX W/ 2-GANG MUD RING, MINIMUM 3" DEEP	FLUSH IN THE WALL AT ELECTRICAL OUTLET HEIGHT								
PTAV	POKE THROUGH, 6"	FLUSH IN FLOOR	SEE POWER PLANS FOR EXACT MAKE/MODEL							
 	JUNCTION BOX FOR LARGE SCREEN MONITOR, WITH TRIM RING AND COVER: FSR PBW-100	FLUSH IN THE WALL, COORDINATE MOUNTING HEIGHT WITH THE ELEVATION SHOWN IN THE ARCHITECTURAL DRAWINGS								
 	FLAT PANEL MONITOR JUNCTION BOX, CHIEF PAC 526FCW	FLUSH IN THE WALL AT APPROXIMATELY +84" AFF TO CENTER OF BOX	PROVIDE STRUCTURAL BACKING, AND COORDINATE EXACT ELEVATION WITH OWNER							
(H	PTZ CAMERA LOCATION JUNCTION BOX, 4-11/16" BOX W/ 2-GANG MUD RING, MINIMUM 3" DEEP	FLUSH IN THE WALL AT 14" ABOVE MONITOR BACK BOX	ALIGN CENTER OF MONITOR AND CAMERA JUNCTION BOXES							
S	SPEAKER LOCATION	FLUSH IN FINISHED CEILING	EXISTING							
M	CEILING MOUNTED MICROPHONE	FLUSH IN FINISHED CEILING	FURNISHED AND INSTALLED BY AV INSTALLER							
	AV EQUIPMENT RACK, NO REQUIREMENT		FURNISHED AND INSTALLED BY AV CONTRACTOR							

# GENERAL SHEET NOTES

- 1. INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED. CONDUITS AND BOXES ABOVE CEILING HEIGHT MAY BE INSTALLED EXPOSED AND PAINTED TO MATCH SURROUNDING EQUIPMENT.
- 2. MAINTAIN MAXIMUM SEPARATION BETWEEN A/V SYSTEM CONDUIT AND ALL POWER CONDUIT. MINIMUM SEPARATION REQUIREMENTS IS 24".
- 3. INSTALL NYLON PULL STRINGS IN ALL A/V SYSTEM CONDUIT.
- 4. INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
- 5. IF THE BOXES, ENCLOSURES, & CABINETS SPECIFIED ARE NOT PROVIDED FROM THE MANUFACTURER WITH THE REQUIRED KNOCK OUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCK OUTS TO TERMINATE THE QUANTITY AND SIZES OF THE SPECIFIED CONDUITS.
- 6. ALL ROUGH-IN SHALL BE IN COMPLIANCE WITH ANSI/TIA/EIA 569-B WHICH INCLUDES, BUT IS NOT LIMITED TO, ALL CONDUITS HAVING NO MORE THAN TWO 90 DEGREE BENDS.
- 7. ALL CONDUIT FOR AV ROUGH-IN SHALL BE EMT.
- 8. ALL CONNECTION PANELS SHALL BE WITHIN 12" OF POWER AND DATA OUTLETS. NOTIFY ENGINEER IF DISCREPANCY IS FOUND.
- 9. ALL AV CONDUITS SHALL BE INSTALLED USING SHORTEST RUNS POSSIBLE. THERE SHOULD BE NO UNNECESSARY BENDS IN CONDUIT RUNS. 10. CONDUITS AND JUNCTION BOXES SHOWN NO RISER DIAGRAMS ARE TYPICAL
- FOR EACH DEVICE IN ROOM. 11. COVER ALL JUNCTION BOXES WITH A BLANK NYLON COVER PLATE.

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# ABBREVIATIONS

_			_		_		_	_			_	_		
NOTE	- AI	IA	BB	REVIA	ті	ONS	M	٩Y	'N	ЭΤ	BF	U	SFC	)

	NOTE. ALL ADDITE VIATIONS		DE USED.
"A"	AMP OR AMPS	"IG"	INSULATED
"ADJ"	ADJACENT	"IMC"	INTERMEDIA
"AFF"	ABOVE FINISHED FLOOR	"IN/IS"	INSULATED/
"AL"	ALUMINUM	"KVA"	KILO VOLT A
"CND"	CONDUIT	"KW"	KILOWATTS
"CB","C/B"	CIRCUIT BREAKER	"LFMC"	LIQUID TIGH
"CKT"	CIRCUIT		METAL CON
"CO"	CONVENIENCE OUTLET	"LFNC"	LIQUID TIGH
"C.O.R."	CONTRACTING OFFICER'S		NONMETAL
	REPRESENTATIVE	"MCA"	MINIMUM CI
"CU"	COPPER	"MLO"	MAIN LUGS
"EA"	EACH	"N.C."	NORMALLY
"ELEC"	ELECTRICAL	"N.I.C."	NOT IN CON
"EM"	EMERGENCY	"N.O."	NORMALLY
"EMT"	ELECTRICAL METALLIC TUBING	"O.C."	ON CENTER
"ENT"	ELECTRICAL NONMETALLIC TUBING	"OCP"	OVER CURF
"EQUIP"	EQUIPMENT	"QTY"	QUANTITY
"EX"	EXISTING	"R"	REMOVE
"FA"	FIRE ALARM	"RMC"	<b>RIGID META</b>
"FACP"	FIRE ALARM CONTROL PANEL	"RNC"	RIGID NONN
"FLA"	FULL LOAD AMPS	"RR"	REMOVE AN
"FMC"	FLEXIBLE METAL CONDUIT	"TYP"	TYPICAL
"F.O.B."	FREIGHT ON BOARD	"UF"	UNDER FLO
"GFI"	GROUND FAULT INTERRUPTER	"UG"	UNDER GRO
"GR"	GROUND	"W/"	WITH
"HOA"	HAND-OFF-AUTO	"WP"	WEATHER F
"HP"	HORSE POWER	"XFMR"	TRANSFORM

![](_page_26_Figure_27.jpeg)

![](_page_27_Figure_1.jpeg)

![](_page_27_Figure_2.jpeg)

![](_page_27_Figure_3.jpeg)

![](_page_27_Figure_4.jpeg)

![](_page_28_Figure_0.jpeg)

![](_page_29_Figure_0.jpeg)

![](_page_29_Figure_37.jpeg)

![](_page_30_Figure_0.jpeg)

![](_page_30_Figure_72.jpeg)

![](_page_31_Figure_0.jpeg)

# ○ SHEET KEYNOTES

THIS AREA WILL BE MOUNTED IN FULL HEIGHT DEMOUNTABLE PARTITIONS. RUN CIRCUITS TO JUNCTION BOXES MOUNTED TO FLOOR DECK ABOVE, AND CONNECT TO PARTITION WHIPS AS REQUIRED. COORDINATE EXACT REQUIREMENTS AND FINAL CONNECTIONS WITH PARTITION INSTALLERS PRIOR TO ROUGH-IN.

GENERAL SHEET NOTES

- PROVIDE POWER AND DATA FOR AV MONITOR. COORDINATE EXACT LOCATION WITH ARCHITECT AND A/V INSTALLER PRIOR TO ROUGH-IN.
- FIELD VERIFY AVAILABLE CIRCUIT BREAKERS AFTER DEMOLITION HAS BEEN COMPLETED. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.
- PROVIDE ELECTRICAL CONNECTIONS TO MOTORIZED SHADES. PROVIDE WIRING AND CONTROLS PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE AND INSTALL CONTROL SWITCH IN LOCATION APPROVED BY THE ARCHITECT. RUN ALL CONTROL WIRING BACK TO NEAREST DATA ROOM. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH ARCHITECT AND SHADE INSTALLERS PRIOR TO ROUGH-IN.
- PROVIDE POE WALL CLOCK IN LOCATIONS AND QUANTITIES SHOWN ON ARCHITECTURAL ELEVATIONS. PROVIDE MCMASTER-CARR 1091N11 OR SUBMIT EQUIVALENT FOR ARCHITECTURAL APPROVAL PRIOR TO FINAL ADDENDUM.
- OWNER FURNISHED UPS AND MAINTENANCE BYPASS PANEL. EQUIPMENT IS TO BE INSTALLED BY THE CONTRACTOR IN THE LOCATIONS SHOWN. COORDINATE WITH OWNER'S IT TEAM FOR ROUGH-IN AND INSTALLATION REQUIREMENTS. FEED UPS AND MAINTENANCE BYPASS WITH 4 #1, #6 GR IN 1.5" CND FROM PANEL L5. PROVIDE TWO NEW 100A/3P CIRCUIT BREAKERS (ONE EACH FOR UPS AND MAINTENANCE BYPASS)
- NEW 120/208V, 42 CIRCUIT, 100A PANELBOARD WITH 100A MAIN BREAKER. FEED PANEL WITH 4 #1, #6 GR IN 1.5" CND FROM UPS VIA MAINTENANCE BYPASS.
- EXISTING PANEL TO REMAIN.

![](_page_31_Figure_12.jpeg)

	1															2				
						F	LC	0	RE	30	X	SC	HE	ED	UL	E				
								AE	BB	RE	VI	AT		NS	3					
 A/V - D - DR - QR -	IPARTMENT GANG NOT APPLICABLE A/V CONNECTIONS, REF A/V DRAWINGS/SPECIFICAT DATA RECEPTACLE DUPLEX RECEPTACLE QUADRAPLEX RECEPTA	ER T IONS	0	<u>R</u> 2	<b>ATIN</b> 2H - 2 1	I <mark>GS</mark> 2-HOU LISTEE	r fire )	E RATE	ED, UL		US CF FIN AL	<u>e</u> - co <u>IISH</u> - alu	NCRET JMINU	TE FLO	OR	<u>(</u>	CONN C1 - F F (	NECTION RECESSED ( FLOOR WITH CAN BE CLO	CABLE C I HINGEI SED WH	;on d l hile
NOT 1 F 2 II	ES: PROVIDE ALL REQUIRED H	IARD RRIEI	WARI R BET	E FOR	R COM	PLETE TEMS	E INST, AND F	ALLAT POWEI	ion. R.							<u>(</u>	COVE	ER - FLANGED CARPET A GRAY BRU	WITH C/ REAS, F JSHED A	AR ILA
		DIM	ENSI	ONS			СО	MPAR	TMEN	TS						1			1	
																				Γ
ID	DESCRIPTION	LENGTH	WIDTH	DEPTH	GANG 1	GANG 2	GANG 3	GANG 4	GANG 5	GANG 6	GANG 7	GANG 8	RATINGS	USE	CONNECTION	COVER	FINISH	MANUFACTURER	PART #	
ID PT2	DESCRIPTION COMMUNICATION ROOM POWER AND DATA POKE-THRU. PROVIDE TWO 4-JACK KEYSTONE MOUNTING PLATES.	- LENGTH	9. MIDTH	<b>DEPTH</b>	DR DR	C GANG 2	D GANG 3	- GANG 4	- GANG 5	- GANG 6	- GANG 7	- GANG 8	2H	<b>BSN</b> CF		COVER CV1	AL	MANUFACTURER	PART # S1R6P TFIT-S 1R6SP W-S1R 6SPZ- NS614 W-S1R 6CVRX XX	v
ID PT2 PT6	DESCRIPTION COMMUNICATION ROOM POWER AND DATA POKE-THRU. PROVIDE TWO 4-JACK KEYSTONE MOUNTING PLATES. 6" POWER, DATA & AV POKE-THRU	- LENGTH	6"	18"	DR DR	D <b>GANG 2</b>	D GANG 3	- GANG 4	- GANG 5	- GANG 6	- GANG 7	- GANG 8	2H 2H	<b>BSN</b> CF	CONNECTION C1	CV1	AL	HUBBELL	PART # S1R6P TFIT-S 1R6SP W-S1R 6SPZ- NS614 W-S1R 6CVRX XX S1R6P TFIT	v

PTR COMMUNICATION

POKE-THRU.

REQUIRED.

FURNITURE FEED COVER. NO POWER

ROOM RADIO CABLING

6" | 18"

			- //->/									
LE CONNECTIONS BELOW NGED LID FOR ACCESS THAT O WHILE IN USE.	EQUIPMENT E - DIVISION Q - FURNISH * - COORDIN ** - AUTOMA	26 ED WITH E IATE WITH TIC CONTR	E KEY QUIPMENT THE DIVISION 23 TEMPERATURE ROL WIRING BY DIVISION 23	.ER	<ol> <li>NEMA 3R</li> <li>TOGGLE SWITCH W/ THERMAL OVERLOAD.</li> <li>PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH</li> <li>CONTRACTOR TO PERFORM FINAL CONNECTION TO LINE VOLTAGE.</li> <li>TOGGLE SWITCH W/BACNET INTERFACE.</li> <li>INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECT</li> </ol>							
						LOA	AD DA	TA				
	MARK	QTY	ITEM DESCRIPTION	HP	kW	МСА	FLA	VOLT	PH	Hz	WIRE AND CONDUIT SIZE	FURN BY
TH CARPET INSERT FOR AS, FLANGELESS FLUSH ED ALUMINUM LID												

![](_page_32_Figure_2.jpeg)

120/20	120/208V, 3 PH 4 WIRE 22" W x 6" D, BOLT-ON 225 AMPERE MAIN LUGS SURFACE IT ROOM 510																					
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR A								RATIN	<b>G:</b> 0													
СКТ		OCP		LC	)AD (k	(VA)				Р	HASE	LOA	D			LO	AD (k\	/A)	1	OCP		СКТ
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCR	RIPTION		4	E	3	C	;	DESCRIPTION	со	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM	0.4	1.0					PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	2
3	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM			0.4	1.0			PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	4
5	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM					0.4	1.0	PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	6
7	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM	0.4	1.0					PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	8
9	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM			0.4	1.0			PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	10
11	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM					0.4	1.0	PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	12
13	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM	0.4	1.0					PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	14
15	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM			0.4	1.0			PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	16
17	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM					0.4	1.0	PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	18
19	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM	0.4	1.0					PWR: COMMUNICATION ROOM 526	0.0	1.0	0.0		1	20	20
21	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM			0.4	0.9			CO: COMMUNICATION ROOM 526	0.9	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM					0.4	0.9	CO: COMMUNICATION ROOM 526	0.9	0.0	0.0		1	20	24
25	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM	0.4	0.4					CO: COMMUNICATION ROOM 526	0.4	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM			0.4	0.8			PWR: COMMUNICATION ROOM 526	0.0	0.8	0.0		1	20	28
29	20	1		0.0	0.0	0.4	PWR: COMMUNI	CATION ROOM					0.4	0.5	CO: OFFICE 527	0.5	0.0	0.0		1	20	30
31	20	1					SPA	ARE	0.0	0.0					SPARE					1	20	32
33	20	2		0.0	2.1	0.0	PWR: IT F	ROOM 510			1.0	0.0			SPARE					1	20	34
35							-	-					1.0	0.2	PWR: COMMUNICATION ROOM 526	0.2	0.0	0.0		1	20	36
37	20	2		0.0	2.1	0.0	PWR: IT F	ROOM 510	1.0	0.2					PWR: COMMUNICATION ROOM 526	0.2	0.0	0.0		1	20	38
39							-				1.0	0.2			PWR: COMMUNICATION ROOM 526	0.2	0.0	0.0	-	1	20	40
41	20	1		0.0	0.0	0.2	CO: IT R	OOM 510			-		0.2	0.2	PWR: COMMUNICATION ROOM 526	0.2	0.0	0.0	-	1	20	42
43	20	2		0.0	2.1	0.0	PWR: IT F	ROOM 510	1.0	0.0					SPARE					1	20	44
45							-				1.0	0.0			SPARE					1	20	46
47	20	1					SPA	ARE					0.0	0.0	SPARE					1	20	48
49	20	1					SPA	ARE	0.0	0.0					SPARE					1	20	50
51	20	1					SPA	ARE			0.0	0.0			SPARE					1	20	52
53	20	1					SPA	ARE					0.0	0.0	SPARE					1	20	54
55	20	1					SPA	ARE	0.0	0.0					SPARE					1	20	56
57	20	1					SPA	ARE			0.0	0.0			SPARE					1	20	58
59	20	1					SPA	ARE					0.0	0.0	SPARE					1	20	60
61	20	1					SPA	ARE	0.0	0.0					SPARE					1	20	62
63	20	1					SPA	ARE			0.0	0.0			SPARE					1	20	64
65	20	1					SPA	ARE					0.0	0.0	SPARE					1	20	66
67	20	1					SPA	ARE	0.0	0.0					SPARE					1	20	68
69	20	1					SPA	ARE			0.0	0.0			SPARE					1	20	70
71	20	1					SPA	ARE					0.0	0.0	SPARE					1	20	72
73	20	1					SPA	ARE	0.0	0.0					SPARE					1	20	74
75	20	1					SPA	ARE			0.0	0.0			SPARE					1	20	76
77	20	1					SPA	ARE					0.0	0.0	SPARE					1	20	78
79	20	1					SPA	ARE	0.0	0.0					SPARE					1	20	80
81	20	1					SPA	ARE	0.0	0.0	0.0	0.0			SPARE					1	20	82
83	20	1					SPA	ARE			0.0		0.0	0.0	SPARE					1	20	84
ΤΟΤΔ	S.							) kVA PER PHASE		3	1	0	510	2.0	CONNEC			<va =<="" td=""><td> :</td><td>26</td><td></td><td></td></va>	 :	26		
101A	_0.								7	- '1	י פ	2	ر د	, 5				4SF =	:	-0 72		
NEC F						TIONS				•	0		0	<b>.</b>				<u></u>				
LI	GHTIN	G & C(		JOUS		)S:		- 100%	6 COM	INEC	TEDI		PLUS	6 25%	6 DIVF	RSIFIF	D TOT	TAL k	√A = 2	26		
			RE	ECEPT	ACLE	S: <b>9.0</b>	kVA @ 100% = 9.0	kVA - FIRS	T 10k	VA @	) 100%	%, RE	MAIN	DER	@ 50% AVERAGE	EAMP	S PER	PHA	SE = 7	2		
	AL	L OTH	ER LO	ADS @	0 100%	%:	17.0 kVA	MOT	OR T	OTAL MOT	S INC	LUDE	ED IN	ALL ( D @	OTHER LOADS WITH 125% PER NEC							

PANEL: "U5LB"

FED FROM: CABINET:

LOCATION:

NOTES:

PANEL SIZE & TYPE: MAIN SIZE AND TYPE:

3

**VOLTS/PHASE/WIRE:** 

UIPMEN	IT S	CHE	EDUL	E										
7. PROVIDE SWITCH WITH BACNET MS/TP CAPABILITY. 8. PROVIDE LABEL ON DISCONNECT "DISCONNECT OUTDOOR UNIT PRIOR TO INDOOR." SHUNT TRIP. 9. LINE VOLTAGE THERMOSTAT ON WALL. E THERMOSTATS. 10. PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS. 11. PROVIDE DUAL-REDUNDANT 100% RATED VFD'S FOR AIR HANDLER. SEOR BOTH 12. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL								GENER 1. WHEI ELECT SUCH AND C	AL NOTES: RE DISCONNECT TRICAL CONTRA THAT IT IS WITH COMPLIES WITH I	IS, STARTERS, O CTOR, LOCATE E IIN SITE OF THE N N.E.C. REQUIRED	R VFCs ARE BI QUIPMENT IN J JECHANICAL E O CLEARANCES	EING PROVIDEI ACCESSIBLE LO QUIPMENT IT IS 3.	) BY )CATION, S SERVING,	
OVERCURRENT PROTECTION	•		DISCONN	ECT				S	TARTEF	र				
DEVICE LOCATION BY DEVICE LOCATION BY DEVICE SIZES SWITCH								PILOT LAMP	NORMALLY OPEN CONTACT	NORMALLY CLOSED CONTACT	PHASE FAILURE RELAY	NOTES	MARK	

5

6

OLTS	/PHAS	SE/WIF	RE:		PAN	EL SIZ	ZE & TYPE: MAIN SIZE AND	TYPE:			FED	FRO	M:	CABINET: LOCATION:		NC	OTES:		
20/208	3V. 3 F	PH 4 W	/IRE		22" V	V x 6"	D, BOLT-ON 400 AMPERE MA	IN LU	GS					SURFACE MECHANICAL 504					
CES	SORI	ES:			PAN	EL DIF	RECTORY, IDENTIFICATION, GROU	NDINC	BAR	2				AIC	RATIN	<b>G:</b> 0			
кт		OCP		LO	AD (k)	VA)			Р	HASE	LOA	D			LO	AD (k)	VA)		C
0	AMP	POLE	BKR	LTG	PWR	СО	DESCRIPTION		4	E	3	(	C	DESCRIPTION	СО	PWR	LTG	BKR	{ <b>P</b> (
1	20	1		0.0	0.0	0.7	CO: COLLAB. ROOM 519	0.7	0.7					CO: COLLAB.ROOM 514	0.7	0.0	0.0	<u> </u>	
3	20	1		0.0	0.0	0.7				0.7	0.5	0.4	0.7	CO: OPEN OFFICE 530	0.5	0.0	0.0		_
,	20	3		0.0	0.0	0.4	PWR: OPEN OFFICE 530	0.4	0.5			0.4	0.7	CO: COLLAB, ROOM 528	0.7	0.0	0.0		+
-								0.4	0.0	0.4	0.2			CO: COLLAB.ROOM 523 POKE-THRU	0.0	0.0	0.0	<u> </u>	+
1												0.4	0.2	CO: COLLAB.ROOM 523 POKE-THRU	0.2	0.0	0.0		
3	20	1		0.0	0.0	0.4	CO: COLLAB.ROOM 523	0.4	0.2					CO: COLLAB.ROOM 523 POKE-THRU	0.2	0.0	0.0		
5	20	1		0.0	0.0	0.9	CO: COLLAB.ROOM 523			0.9	0.2	0.0	0.0	CO: COLLAB.ROOM 523 POKE-THRU	0.2	0.0	0.0	<b> </b>	_
/ a	20	1		0.0	0.9	0.0	PWR: COMMUNICATION ROOM	0.7	0.0			0.9	0.2	CU: COLLAB.ROOM 523 PORE-THRU	0.2	0.0	0.0	<u> </u>	+
1	20	1		0.0	0.5	0.0	PWR: COLLAB.ROOM 523 SHADES	3	0.0	0.5	0.0			SPARE					+
3	20	1		0.0	0.0	0.5	CO: CORRIDOR 521					0.5	0.0	SPARE					+
5	20	1		1			SPARE	0.0	0.0					SPARE					
7	20	1					SPARE			0.0	0.0	0.0	0.0	SPARE					_
)	20	1					SPARE	0.0	0.0			0.0	0.0	SPARE					_
3	20	1					SPARE	0.0	0.0	0.0	0.0			SPARE					+
;	20	1					SPARE					0.0	0.0	SPARE					+
7	20	1					SPARE	0.0	0.0					SPARE					
)	20	1		1			SPARE			0.0	0.0			SPARE					
	20	1					SPARE					0.0	0.0	SPARE				<u></u>	
3	20	1					SPARE	0.0	0.0	0.0	0.0			SPARE					_
7	20	1					SPARE			0.0	0.0	0.0	0.0	SPARE					+
9	20	1					SPARE	0.0	0.0			0.0	0.0	SPARE					+
1	20	1					SPARE			0.0	0.0			SPARE					+
3	20	1					SPARE					0.0	0.0	SPARE					
5	20	1					SPARE	0.0	0.0					SPARE					
	20	1					SPARE			0.0	0.0	0.0	0.0	SPARE					_
_	20	1					SPARE	0.0	0.0			0.0	0.0	SPARE SPARE					-
	20	1					SPARE	0.0	0.0	0.0	0.0			SPARE					+
	20	1					SPARE					0.0	0.0	SPARE					+
	20	1					SPARE	0.0	0.0					SPARE					
	20	1					SPARE			0.0	0.0			SPARE					
+	20	1					SPARE	0.0	0.0			0.0	0.0	SPARE					+
+	20	1					SPARE	0.0	0.0	0.0	0.0			SPARE					+
	20	1					SPARE			0.0	0.0	0.0	0.0	SPARE					+
	20	1					SPARE	0.0	0.0					SPARE					
	20	1		-			SPARE			0.0	0.0			SPARE					
	20	1					SPARE					0.0	0.0	SPARE					_
	20	1					SPARE	0.0	0.0	0.0	0.0			SPARE SPARE					+
,	20	1					SPARE			0.0	0.0	0.0	0.0	SPARE					+
	20	1					SPARE	0.0	0.0					SPARE					+
5	20	1					SPARE			0.0	0.0			SPARE					
	20	1					SPARE					0.0	0.0	SPARE					$\downarrow$
	20	1					SPARE	0.0	0.0	0.0	0.0			SPARE					+
, 1	20	1					SPARE			0.0	0.0	0.0	0.0	SPARE					+
3	20	1					SPARE	0.0	0.0			0.0	0.0	SPARE					+
5	20	1					SPARE			0.0	0.0			SPARE					T
7	20	1					SPARE					0.0	0.0	SPARE					
9	20	1					SPARE	0.0	0.0					SPARE					_
1	20	1					SPARE			0.0	0.0	0.0	0.0	SPARE					+
5 5	20	1					SPARE	0.0	0.0			0.0	0.0	SPARE					+
7	20	1					SPARE	0.0	0.0	0.0	0.0			SPARE					+
9	20	1					SPARE					0.0	0.0	SPARE					t
1	20	1					SPARE	0.0	0.0					SPARE					
3	20	1					SPARE			0.0	0.0			SPARE					
	20	1						-	 A		)	0.0	0.0	SPARE			 		
I AL	υ.						CONNECTED AMPS PER PHASE		- 30	3 2	, 9	2	27				ASE =		2
C DI	VERS	SIFIED	LOAD	CALC	ULAT	IONS			-	<u> </u>	-								
	нтілі	G & CC		IOUS		S:	- 100	% COI			OAD		S 25%	DIVE	RSIFIF		TAL k\	/A = <i>'</i>	10

6

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI

4

\_\_\_\_\_5

![](_page_32_Figure_7.jpeg)

![](_page_33_Figure_0.jpeg)

# GENERAL SHEET NOTES

DEVICES MARKED 'R' ARE RELOCATED EXISTING DEVICES AS INDICATED. REFER TO DEMOLITION PLANS FOR MORE INFORMATION. EXTEND CIRCUITING AS REQUIRED.

6

- LIGHT SWITCH TO BE MOUNTED IN FULL HEIGHT DEMOUNTABLE PARTITION. COORDINATE TERMINATION AND CONNECTIONS TO ROOM CONTROLLERS WITH PARTITION INSTALLERS PRIOR TO ROUGH-IN.
- 2 CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT PREVIOUSLY FEEDING LIGHTING IN THIS AREA.
- 3 CONNECT TO EXISTING LIGHTING CIRCUIT PREVIOUSLY FEEDING LIGHTING IN THIS AREA.

![](_page_33_Figure_7.jpeg)

DIAMETER HEIGHT ID (E1-1) DESCRIPT MOUNTIN FINISH: S OPTICS: OPTIONS: EM: BATT (E1-2) DESCRIPT MOUNTIN FINISH: SO OPTICS: OPTIONS: EM: BATT (LD-1) DESCRIPT MOUNTIN FINISH: S OPTICS: OPTIONS: EM: (LP-8) DESCRIPT MOUNTIN FINISH: SC OPTICS: L REFLECT OPTIONS: EM: (LP-20) DESCRIPT MOUNTIN FINISH: SO OPTICS: L REFLECT OPTIONS: EM: (LP-32) DESCRIPT MOUNTIN FINISH: SO OPTICS: L REFLECT OPTIONS: EM: (SC-1) DESCRIPT MOUNTIN FINISH: S OPTICS: OPTIONS: EM: (TX-1) DESCRIPT MOUNTIN FINISH: SO OPTICS: OPTIONS: EM: (TX-2) DESCRIPT MOUNTING FINISH: SC OPTICS: OPTIONS: EM:

4

3

# INTERIOR LIGHTING FIXTURE SCHEDULE GENERAL NOTES

SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.

6

. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.

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- 3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
- 4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
- 5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
- 6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.

CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

		LL	JMINAIRE		[	DRIVER		
DESCRIPTION	SIZE (NOMINAL)	LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER (CATALOG SERIES)
DESCRIPTION: EXIT SIGN, EDGE LIT, SINGLE SIDED MOUNTING: CEILING, WALL FINISH: SCBA OPTICS: OPTIONS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"		GREEN		LED	120/277V	5	ISOLITE (UEL) EVENLITE (SOV) EMERGENSEE (SEEXLRN)
DESCRIPTION: EXIT SIGN, EDGE LIT, DOUBLE SIDED MOUNTING: CEILING, WALL FINISH: SCBA OPTICS: OPTIONS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"	-	GREEN		LED	120/277V	5	ISOLITE (UEL) EVENLITE (SOV) EMERGENSEE (SEEXLRN)
DESCRIPTION: LED RECESSED DOWNLIGHT MOUNTING: RECESSED FINISH: SCBA OPTICS: OPTIONS: EM:	LENGTH: - WIDTH: - DEPTH: 7-13/16" DIAMETER: 6"	1,500	3500K		LED DRIVER	MVOLT	26	LITHONIA LDN6-35/15-L06-AR-277 APPROVED EQUAL APRROVED EQUAL
DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: UP INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: EM:	LENGTH: 8' WIDTH: 2.60" HEIGHT: 4.18"	3,200	3500K	80	LED (0-10V DIMMING)	120/277V	32	BETA CALCO (BLFP2P-SFA8-SL04-LPF020-LPG020-CR80-CTA35 -DD3-UD1-UB00-V1-DA01-G1-HLA03-SCBA-CS1)
DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: UP INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: EM:	LENGTH: 20' WIDTH: 2.60" HEIGHT: 4.18"	8,000	3500K	80	LED (0-10V DIMMING)	120/277V	80	BETA CALCO (BLFP2P-SFA20-SL04-LPF020-LPG020-CR80-CTA3 5-DD3-UD1-UB00-V1-DA01-G1-HLA03-SCBA-CS1)
DESCRIPTION: LINEAR PENDANT, INDIRECT / DIRECT MOUNTING: PENDANT FINISH: SCBA OPTICS: UP INDIRECT / DIRECT, FLUSH LENS, LOW GLOSS WHITE REFLECTOR OPTIONS: EM:	LENGTH: 32' WIDTH: 2.60" HEIGHT: 4.18"	12,800	3500K	80	LED (0-10V DIMMING)	120/277V	128	BETA CALCO (BLFP2P-SFA32-SL04-LPF020-LPG020-CR80-CTA3 5-DD3-UD1-UB00-V1-DA01-G1-HLA03-SCBA-CS1)
DESCRIPTION: COVE LIGHT, 500 LUMENS/FT MOUNTING: SURFACE FINISH: SCBA OPTICS: OPTIONS: EM:	LENGTH: PER PLANS WIDTH: 3 7/16" DEPTH: 6 5/8"	500	3500K	80	LED (0-10V DIMMING)	120/277V	10	PINNACLE (EV3WG-XX-XX-U-FSD-1-0-SCBA)
DESCRIPTION: DECORATIVE RING PENDANT MOUNTING: PENDANT FINISH: SCBA OPTICS: OPTIONS: EM:	HEIGHT: 4" DIAMETER: 60"	11,000	3500K	80	LED (0-10V DIMMING)	120/277V	120	BETA CALCO (RGTP1P05-LMA1100-LPG000-CR80-CTA35-CTB0 V1-DA01-DB00-SS1-SCBA-CS1)
DESCRIPTION: DECORATIVE RING PENDANT MOUNTING: PENDANT FINISH: SCBA OPTICS: OPTIONS: EM:	HEIGHT: 4" DIAMETER: 48"	8,800	3500K	80	LED (0-10V DIMMING)	120/277V	96	BETA CALCO (RGTP1P04-LMA0880-LPG000-CR80-CTA35-CTB00 V1-DA01-DB00-SS1-SCBA-CS1)

LENGTH —WIDTH

![](_page_34_Figure_13.jpeg)

Ε	WIRING L 	EGEI LINE \ D-10V CAT5E VIRIN TMP S NETW
	TO BUIL AUTOMA SYSTEM	.DING \TION (BAS)
	TO E AUTO SYST	BUILD OMAT EM (E
c	5DP1	.OSED HT PHC LMLS LMLS (ALL CC CL TO BUI AUTOM YSTEM
Β		

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![](_page_35_Figure_1.jpeg)

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GENERAL NOTES 5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES.

6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS.

7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM. 8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	
	-	TOGGLE PRESS TOP-ON, PRESS BOTTOM-OFF, HOLD TOP-RAISE, HOLD BOTTOM-"OFF/ LOWER"	FUNCTION: PRESS- PRESET SCENE #01 ZONE "a" 75% ZONE "b" 75% LABEL ID: "PRE #1"	FUNCTION: PRESS- PRESET SCENE #02 ZONE "a" 0% ZONE "b" 50% LABEL ID: "PRE #2"	FUNCTION: PRESS- SELECT ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS- SELECT ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	-	-	-	-	
	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE PRESS BOTTOM-OFF, HOLD BOTTOM-LOW ER LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"	FUNCTION: PRESS-SELEC T ZONE "a" FOR DIMMING LABEL ID: "ZONE a"	FUNCTION: PRESS-SELEC T ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	FUNCTION: PRESS-SELEC T ZONE "c" FOR DIMMING LABEL ID: "ZONE c"	FUNCTION: PRESS-SELEC T ZONE "d" FOR DIMMING LABEL ID: "ZONE d"	FUNCTION: PRESS-SELEC T ZONE "e" FOR DIMMING LABEL ID: "ZONE e"	FUNCTION: PRESS-PRESE T SCENE #01 ZONE "a" 100% ZONE "b" 100% ZONE "c" 100% ZONE "d" 100% LABEL ID: "PRE #1"	FUNCTION: PRESS-PRESE T SCENE #01 ZONE "a" 0% ZONE "b" 50% ZONE "c" 50% ZONE "d" 50% ZONE "d" 50% ZONE "e" 100% LABEL ID: "PRE #2"	FUNCTION: PRESS-PRESE T SCENE #03 ZONE "a" 0% ZONE "b" 0% ZONE "c" 50% ZONE "d" 50% ZONE "e" 50% LABEL ID: "PRE #3"	MODE 1-ROOM OPI INDIVIDUALLY MOE 2-ROOMS OPERATI COMBINED, AV INTEGRATION REQ PARTITION SENSIN REQUIRED

![](_page_35_Figure_8.jpeg)

![](_page_36_Figure_0.jpeg)

# **GENERAL SHEET NOTES**

CONTRACTOR IS TO FOLLOW ALL EXISTING CABLE TRAY PATHWAYS. IF NO EXISTING PATHWAY IS AVALIABLE CONTRACTOR IS TO INSTALL J-HOOKS MOUNTED DIRECTLY TO THE STRUCTURE.

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# ⊖ SHEET KEYNOTES

- CONTRACTOR TO PROVIDE J-HOOK PATHWAY FOR RADIO COAX CABLES. J-HOOKS ARE FOR RADIO COAX CALBES ONLY AND SHALL REMAIN FREE OF ALL OTHER CABLE TYPES.
- 2" CONDUIT ARE FOR RADIO COAX CABLES ONLY AND ARE TO REMAIN FREE OF ALL OTHER CABLE TYPES.
- 3" CONDUIT ARE FOR DATA CABLES ONLY AND ARE TO REMAIN FREE OF ALL OTHER CABLE TYPES.

![](_page_36_Figure_9.jpeg)

![](_page_37_Picture_1.jpeg)

A3 ENLARGED LEVEL 5 IT ROOM 510 ISOMETRIC PLAN

![](_page_37_Figure_3.jpeg)

![](_page_37_Figure_4.jpeg)

- EXISTING LADDER RACK

![](_page_37_Figure_5.jpeg)

![](_page_38_Figure_0.jpeg)

![](_page_38_Figure_2.jpeg)

![](_page_39_Figure_0.jpeg)

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2

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![](_page_39_Figure_3.jpeg)

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**SPECTRUM** ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com E DFCM DFCM APPROVAL STAMP D INTERMOUNTAIN HEALTHCARE C CLASSIC AIR -VCT 5TH FLOOR REMODEL VALLEY CENTER TOWER - 5373 SOUTH GREEN STREET MURRAY, UTAH В Mark: Date: Description ISSUE: BID SET DATE: 2022 10 25 SPECTRUM PROJECT NO: 20130291 22015 DFCM PROJECT NO: DRAWN BY: Author CHECKED BY: Checker DESIGNED BY: Designer RECORD DRAWING DATE: SIGNATURE: © 2022 Spectrum Engineers, Inc. Α SHEET TITLE **TELECOM DETAILS** ET502

![](_page_40_Figure_0.jpeg)

![](_page_40_Figure_1.jpeg)

2

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![](_page_41_Figure_0.jpeg)

![](_page_41_Figure_1.jpeg)

# ⊖ SHEET KEYNOTES

1 CONTRACTOR TO PROVIDE D-RINGS FOR VERTICAL CABLE SUPPORT.

![](_page_41_Figure_6.jpeg)

![](_page_42_Figure_0.jpeg)

![](_page_43_Figure_0.jpeg)

![](_page_43_Figure_3.jpeg)

![](_page_43_Figure_4.jpeg)

![](_page_43_Figure_5.jpeg)

![](_page_44_Figure_1.jpeg)

- 3

![](_page_44_Figure_2.jpeg)

![](_page_44_Figure_3.jpeg)

![](_page_44_Figure_4.jpeg)

![](_page_44_Figure_5.jpeg)

![](_page_44_Figure_6.jpeg)

![](_page_44_Picture_7.jpeg)

![](_page_44_Figure_10.jpeg)

![](_page_44_Figure_11.jpeg)

![](_page_44_Figure_12.jpeg)

# AV SIGNAL TYPE ABBREVIATIONS SCHEDULE

ABBREVIATION	SIGNAL TYPE
AL	AUDIO, LEFT, (LINE LEVEL)
AR	AUDIO, RIGHT, (LINE LEVEL)
AA	ANALOG AUDIO, (LINE LEVEL)
V	VIDEO, COMPOSITE-STANDARD RESOLUTION ANALOG VIDEO
YC	S-VIDEO-STANDARD RESOLUTION ANALOG VIDEO
YUV	COMPONENT VIDEO-STANDARD RESOLUTION ANALOG VIDEO
RGBHV	RED, GREEN, BLUE, HORIZONTAL & VERTICAL SYNC-HIGH RESOLUTION ANALOG VIDEO
XGA/VGA	EXTENDED GRAPHICS ARRAY/VIDEO GRAPHICS ARRAY-HIGH RESOLUTION ANALOG VIDEO
DVI	DIGITAL VIDEO INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
HDMI	HIGH DEFINITION MULTIMEDIA INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
DP	DISPLAY PORT-HIGH RESOLUTION DIGITAL VIDEO
TP	TWISTED PAIR
IP	INTERNET PROTOCOL
ENET	ETHERNET
HDBT	HD BASE T

4

SYMBOL	DESCRIPTION	QUANTITY	ACCEPTABLE TYPES
DPP	DATA PATCH PANEL, CAT6 PORTS AS REQUIRED PLUS 25%	A/R	MANUFACTURER TO MATCH I.T. EQUIPMENT
	FLAT PANEL DISPLAY, 55", LCD, 4K, 24/7 OPERATION	OFP	SONY FW-55BZ40H OR AS APPROVED
M55	VIDEO WALL MOUNTING SYSTEM WITH RAILS	OFP	CHIEF LVS1U W/ ALL NECESSARY ACCESSORIES
	COMPUTER, OWNER FURNISHED AND INSTALLED	0	AV INSTALLER TO CONNECT CPU TO AV SYSTEM
	CONNECTORS, SEE NOTE 5	A/R	
	POWER SUPPLIES, MISC. TRANSFORMERS, SIGNAL SENSORS, PROTOCOL CONVERTERS, SEE NOTES 4, 7, 8	A/R	
	PATCH CORDS, SEE NOTE 6	A/R	
	ADAPTER CABLES, SEE NOTE 9	A/R	
	CABLE, SEE AUDIO-VIDEO SYSTEMS CABLE SCHEDULE	A/R	
	RACK MOUNT SHELF	A/R	MIDDLE ATLANTIC UTR1
	NYLON BRAIDED EXPANDABLE SLEEVING	A/R	TECH FLEX FLEXO PET
	LECTERN, MULTIMEDIA W/ FRONT DOORS, REMOVABLE BACK, AND SIDE SHELF, FIXED (NO CASTERS)		DWI ENTERPRISES DM400SE-2, W/ EXTRON CABLE CUBBY 500, AND EQUIPMENT AS DETAILED, ARCHITECT TO SELECT FINISH.
IPTX	NETWORK VIDEO ENCODER	OFP	VISIONARY E4100
IPRX	NETWORK VIDEO DECODER	OFP	VISIONARY D4100
CS	CONTROL SYSTEM	OFP	QSC Q-SYS NANO
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR AT MONITORS	OFP	SURGEX SA82 OR TRIPP LITE ISOBAR6
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20 AMP, RACK MOUNT	OFP	TRIPP LITE IBAR12-20ULTRA
	EQUIPMENT RACK #1, 44RU, 27" DEEP	1	MIDDLE ATLANTIC WRK 44-27 W/ VFD-44, MW-LVRD-44, MW-4FT, AND WRK-RR44
UPS	UNINTERRUPTIBLE POWER SUPPLY, 20 AMP	OFP	MIDDLE ATLANTIC UPS-2200R
STB	DISH/CABLE SUPPLIER SET TOP BOX	OFCI	
AM	WIRELESS VIDEO RECEIVER	OFP	CRESTRON AIRMEDIA 2
	WIRELESS MICROPHONE SYSTEM WITH BODY WORN AND	OFP	SHURE ULXD4D
WR2	HANDHELD HANSIVITTER, LAVALIER MICROFHONE	1	ULXD2/B58 HANDHELD TRANSMITTER
		1	ULXD1 BODYPAK TRANSMITTER AND WL183 LAPEL MIC
TPW	WALL MOUNTED TOUCH SCREEN CONTROL PANEL, 10", PoE	OFP	QSC TSC-101-G3
	POWER AMPLIFIER, 1-CHANNEL, 75 WATTS MINIMUM, 70V	OFP	CRESTRON AMP X75
M	CEILING MICROPHONE, STEARABLE, DANTE	OFP	SHURE MXA920W-S
ASP1	AUDIO DIGITAL SIGNAL PROCESSOR, 24 1/O W/ DANTE AND USB	OFP	QSC CORE 100F
ALS	ASSISTED LISTENING SYSTEM, WI-FI & RF WITH LOCAL WI-FI ACCESS POINT	OFP	LISTEN LCS-120-01 W/ ACCESS POINT
H	CAMERA, PTZ, TP CONNECTIVITY, 12X ZOOM	OFP	Q-SYS NC-12-80
PTAV	CONNECTION PLATE MOUNTED IN POKE THRU	OFP	PLATE W/ CUSTOM CONNECTIONS AND ENGRAVING AS DETAILED. SEE DETAILS ON SHEET TA501
MTR	LOGITECH MICROSOFT TEAMS ROOM SYSTEM	OFP	LOGITECH TAPMSTBASELNV LENOVO MINI FOR TEAMS ROOMS ('MTR'), LOGITECH TAP ('TPT') W/ CAT5E KIT ('CNV'), TABLE MOUNT, AND ALL
			NECESSARY ACCESSORIES
	SPEAKER, 6.5", CEILING MOUNTED, W/ GRILLE AND TILE RAILS	OFP	ATLAS-IED FAP63T
	NETWORK SWITCH, POE, GIGABIT, MANAGED, PoE+	A/R	NETGEAR M4250-40G8XF-PoE+/US
CP#	CONNECTION PANELS	OFP	PLATE W/ CUSTOM CONNECTIONS AND ENGRAVING AS
		055	LC 75LITE40S, OP SIMILAD
M75	FLAT FANEL DISFLAT, 73, LOD, 4K		
	FIXED WALL MOUNT W/ MONITOR MATING PLATE	OFP	CHIEF XSM1U W/ ALL NECESSARY ACCESSORIES
NTRX	NETWORK VIDEO TRANSCEIVER	OFP	QSC NV-23-H (CORE CAPABLE)

# AUDIO AND VIDEO SYSTEM EQUIPMENT LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE ELECTRONIC SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE. FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

A/R = AS REQUIRED, OFP = OBTAIN FROM PLANS, OFCI = OWNER FURNISHED CONTRACTOR INSTALLED

### AV SYSTEMS SHEET INDEX TA001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES TA501 AUDIO VISUAL SYSTEMS DETAILS

TA601 AUDIO VISUAL SYSTEMS SCHEDULES

# SPECIAL PROJECT NOTES

. THE VIDEO SYSTEM EQUIPMENT LISTS IDENTIFY EQUIPMENT ITEMS OF SIGNIFICANCE BY MANUFACTURER AND MODEL NUMBER. THE SOLE PURPOSE FOR THIS IS TO ESTABLISH LEVELS OF QUALITY AND INDIVIDUAL COMPONENT CAPABILITY FOR ALL EQUIPMENT ITEMS. IT IS NOT THE INTENT OF THE AUDIO AND VIDEO SYSTEM EQUIPMENT LIST TO PRECLUDE THE INSTALLATION OF EQUIPMENT ITEMS FABRICATED BY MANUFACTURERS OTHER THAN THOSE LISTED. SO FAR AS THEY ARE JUDGED TO BE EQUAL TO THOSE EQUIPMENT ITEMS IDENTIFIED IN THE LIST, PROVIDING THEY CAN GUARANTEE COMPATIBILITY WITH THE EXISTING SYSTEMS IN THE CAPITOL BUILDING. THIS GUARANTEE SHALL INCLUDE REPLACEMENT OF EXISTING HEAD-END EQUIPMENT AND OTHER EXISTING DEVICES, COMPONENTS, WIRING AND SOFTWARE, TESTING THE ENTIRE SYSTEM FOR FUNCTIONALITY WHEN COMPLETE AND CORRECTING ALL DEFICIENCIES THROUGHOUT THE CAPITOL BUILDING, AND HOUSE AND SENATE OFFICE BUILDINGS. OTHER MANUFACTURERS WILL BE CONSIDERED ONLY IF SUBMITTED TO THE ENGINEER IN WRITING AT LEAST 7 DAYS PRIOR TO THE BID OPENING.

# GENERAL SHEET NOTES

- . PROVIDE PLENUM RATED CABLE INSIDE ALL AIR PLENUMS. WHERE CABLE IS SPECIFIED INSIDE A PLENUM PROVIDE EQUIVALENT CABLE TO THE NON-PLENUM CABLE SPECIFIED.
- 2. FURNISH AND INSTALL ALL CABLE REQUIRED FOR THE SPECIFIED AUDIO AND VIDEO SYSTEMS. REFER TO THE CABLE INSTALLATION REQUIREMENTS SCHEDULE ON SHEET TA003 FOR ALL CABLE INSTALLATION REQUIREMENTS. CABLE TYPES AND QUANTITIES IDENTIFIED IN THAT SCHEDULE APPLY TO EACH AND EVERY LOCATION A SYMBOL IS SHOWN ON THE FLOOR PLAN SHEETS.
- 3. MAINTAIN MAXIMUM SEPARATION OF CABLES OF DIFFERENT TYPES. DO NOT INSTALL DIFFERENT TYPES OF CABLES WITHIN THE SAME CONDUIT OR "J" HOOKS. DO NOT SPLICE CABLE.
- 4. INSTALL ALL EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY WIDE ACCEPTED RIGGING PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM STRUCTURE ABOVE CEILINGS. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
- 5. FURNISH AND INSTALL ALL CABLE AND CONNECTORS REQUIRED FOR ALL AUDIO AND VIDEO SYSTEMS TO COMPLETE MANUFACTURER RECOMMENDED CABLE TO EQUIPMENT TERMINATION TO FORM A COMPLETE AND FULLY FUNCTIONAL SYSTEM AS SHOWN. SELECT CONNECTORS WHICH PASS FULL BANDWIDTH CAPABILITY OF SPECIFIED CABLE.
- 6. PROVIDE PATCH CABLES TO FULLY INTERCONNECT ALL SPECIFIED AND/OR OWNER FURNISHED EQUIPMENT WITH THE SPECIFIED CONNECTION PANELS, SYSTEM INTERFACES, AND MISCELLANEOUS EQUIPMENT.
- 7. PROVIDE MANUFACTURER RECOMMENDED, AND INDUSTRY STANDARD, SIGNAL LEVELS THROUGHOUT ENTIRE SYSTEM. PROVIDE ALL REQUIRED DISTRIBUTION AND PROCESSING EQUIPMENT, INCLUDING BUT NOT LIMITED TO SIGNAL DISTRIBUTION AMPLIFIERS, WHETHER SHOWN IN THE SINGLE LINE DIAGRAMS OR NOT.
- 8. PROVIDE POWER, CURRENT, AND/OR SIGNAL SENSORS FOR ALL EQUIPMENT WHERE IT IS NECESSARY FOR CORRECT CONTROL SYSTEM OPERATION.
- 9. PROVIDE PRE-MANUFACTURED ADAPTER CABLES WHERE REQUIRED FOR MATING CABLE TO CONNECTORS. 10. PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. WHERE
- MANUFACTURERS DO NOT PROVIDE RACK MOUNT KITS, PROVIDE CUSTOM RACK MOUNT KITS AS SPECIFIED. 11. FILL ALL UNUSED RACK SPACE WITH BLANK/VENT PANELS.
- 12. WHEN AUDIO, VIDEO, OR CONTROL CABLE IS INSTALLED IN CABLE TRAY PROVIDE COORDINATION WITH STATE IT PERSONNEL. WHERE CABLE IS INSTALLED OUTSIDE OF CABLE TRAY OR CONDUIT INSTALL IN "J" HOOKS. MAXIMUM "J" HOOK SEPARATION IS 4'. DO NOT SUSPEND "J" HOOKS FROM WIRE HUNG BY OTHER
- TRADES. AFFIX "J" HOOKS DIRECTLY TO BUILDING STRUCTURE OR INSTALL INDIVIDUAL WIRE HANGARS. 13. PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES, POE++ INJECTORS
- AND/OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT. 14. CONDUCT AN RF FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTION OF
- WIRELESS RF OPERATING FREQUENCIES. SELECT FREQUENCIES TO ASSURE INTERFERENCE FREE OPERATION. INSTALL ANTENNAS/TRANSCEIVERS OUTSIDE OF THE EQUIPMENT RACK, AT AN ARCHITECT APPROVED LOCATION, WHERE THE BEST SYSTEM PERFORMANCE IS ACHIEVED.
- 15. FURNISH AND INSTALL ALL MOUNTS FOR MONITORS. AFFIX ALL MOUNTS TO THE BUILDING STRUCTURE IN COMPLIANCE WITH GENERAL NOTE 4. FURNISH AND INSTALL ALL REQUIRED ACCESSORIES INCLUDING, BUT NOT LIMITED TO, MOUNTING PLATES, FASTENERS, BRACKETS, UNISTRUT, PIPE EXTENSIONS, PIPE COUPLERS, CAPS, THREADED ROD, CABLES, CLAMPS, TURNBUCKLES, EPOXIES, ETC... TO INSTALL AND POSITION THE DISPLAY DEVICES FOR ITS INTENDED USE IN FULL COMPLIANCE WITH THE WRITTEN INSTRUCTIONS OF THE DISPLAY DEVICE MANUFACTURER, AS WELL AS, THE MOUNT MANUFACTURER.
- 16. PROVIDE BALANCING TRANSFORMERS FOR ALL AUDIO INPUTS/OUTPUTS WHICH ARE NOT BALANCED BY THE MANUFACTURER.
- 17. PROVIDE 120 VAC TO ALL EQUIPMENT THROUGH THE SPECIFIED TRANSIENT VOLTAGE SURGE SUPPRESSERS.
- 18. BUNDLE, LACE, SUPPORT SEGREGATE, WRAP ETC... ALL CABLE IN ALL CABINETS AND RACKS IN A NEAT, PARALLEL/PERPENDICULAR AND ORDERLY MANNER. STRAIN RELIEF ALL WIRE BUNDLES WITH SUPPORTS, BUSHINGS ETC...
- 19. LABEL ALL CONNECTORS AND USER CONTROLS IN COMPLIANCE WITH THE REQUIREMENTS IDENTIFIED IN THE SPECIFICATION.
- 20. NETWORK ALL CONTROL SYSTEM CENTRAL PROCESSORS TOGETHER VIA THE STATE'S LOCAL AREA NETWORK (LAN). PROGRAM ALL REQUIRED TOUCH PANEL PAGES FOR CENTRAL MONITORING AND CONTROL OF ALL INDIVIDUAL CONTROL SYSTEM CENTRAL PROCESSORS. EXTEND CONTROL OF ALL AV SYSTEMS TO THE MASTER CONTROL ROOM TOUCH PANEL. UTILIZE THE SPECIFIED ROOM MANAGEMENT SOFTWARE PROGRAM.
- 21. WHERE ANY GROUP OF CABLES ARE INSTALLED IN A FASHION WHERE EXPOSED TO PUBLIC VIEW. INSTALL CABLE INSIDE THE SPECIFIED BRAIDED EXPANDABLE SLEEVING. EXAMPLES OF SUCH LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO CABLES EXITING FLOOR BOXES, & CABLES TO EQUIPMENT ON HORIZONTAL WORK SURFACES.
- 22. POWER ALL SPECIFIED TRANSMITTERS AND RECEIVERS FROM THE EQUIPMENT RACK.
- 23. USE LACING BARS AT REGULAR INTERVALS FOR CABLE MANAGEMENT ON THE REAR OF THE 2-POST EQUIPMENT RACK.
- 24. PROGRAM ALL NEW AV DEVICES WITH PASSWORDS WITH A NEW (NON-FACTORY DEFAULT) PASSWORD. PROVIDE A SPREADSHEET TO THE OWNER IDENTIFYING ALL PROGRAMMED PASSWORDS. WORK WITH THE OWNER'S I.T. STAFF TO PROGRAM THE SPECIFIED NETWORK SWITCH WITH SECURITY HARDENING.
- 25. PROVIDE COMPLETE NETWORK SWITCH CONFIGURATION AND PROGRAMMING SERVICES INCLUDING, BUT NOT LIMITED TO, UPDATING ALL NETWORK SWITCHES TO THE LATEST CODE, CONFIGURING ALL REQUIRED VLANS AND ASSIGNING ALL IP ADDRESS SCHEMES FOR SUBNET MASK GATEWAY AND DEVICE IP ADDRESS ASSIGNMENT. COORDINATE WITH THE OWNER'S NETWORK STAFF FOR ALL IP
- ADDRESS SCHEME. 26. REUSE THE IDENTIFIED EXISTING SPEAKER ASSEMBLIES IN OPEN OFFICE C209. RECIRCUIT SPEAKER ASSEMBLIES AS SHOWN, AND ADD A WALL MOUNTED VOLUME CONTROL. RECONNECT TO THE EXISTING POWER AMPLIFIER.

![](_page_45_Figure_40.jpeg)

1 1

![](_page_46_Figure_2.jpeg)

![](_page_46_Figure_3.jpeg)

![](_page_46_Figure_4.jpeg)

![](_page_46_Figure_5.jpeg)

![](_page_46_Figure_6.jpeg)

![](_page_47_Figure_1.jpeg)

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![](_page_47_Figure_2.jpeg)

![](_page_47_Figure_3.jpeg)

![](_page_47_Picture_4.jpeg)