# SELECT HEALTH - VCT 2ND FLOOR REMODEL 2022 - PHASE II



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

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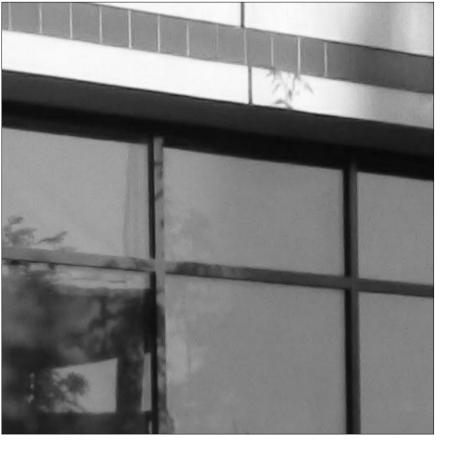
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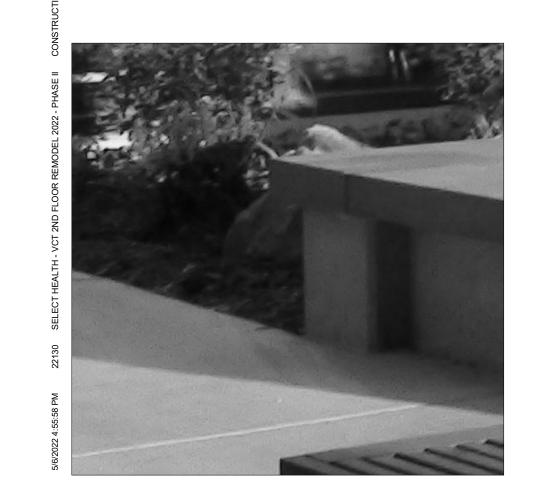


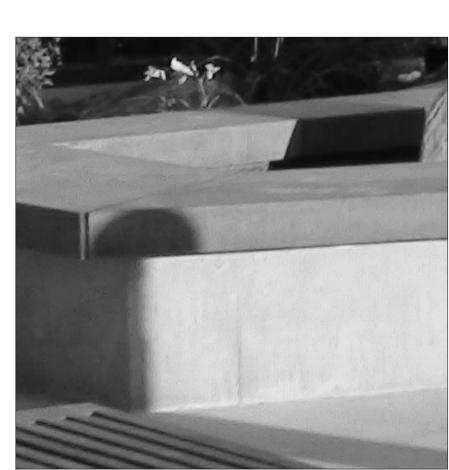






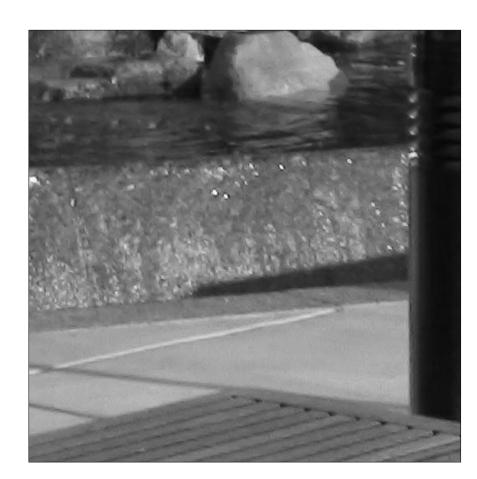






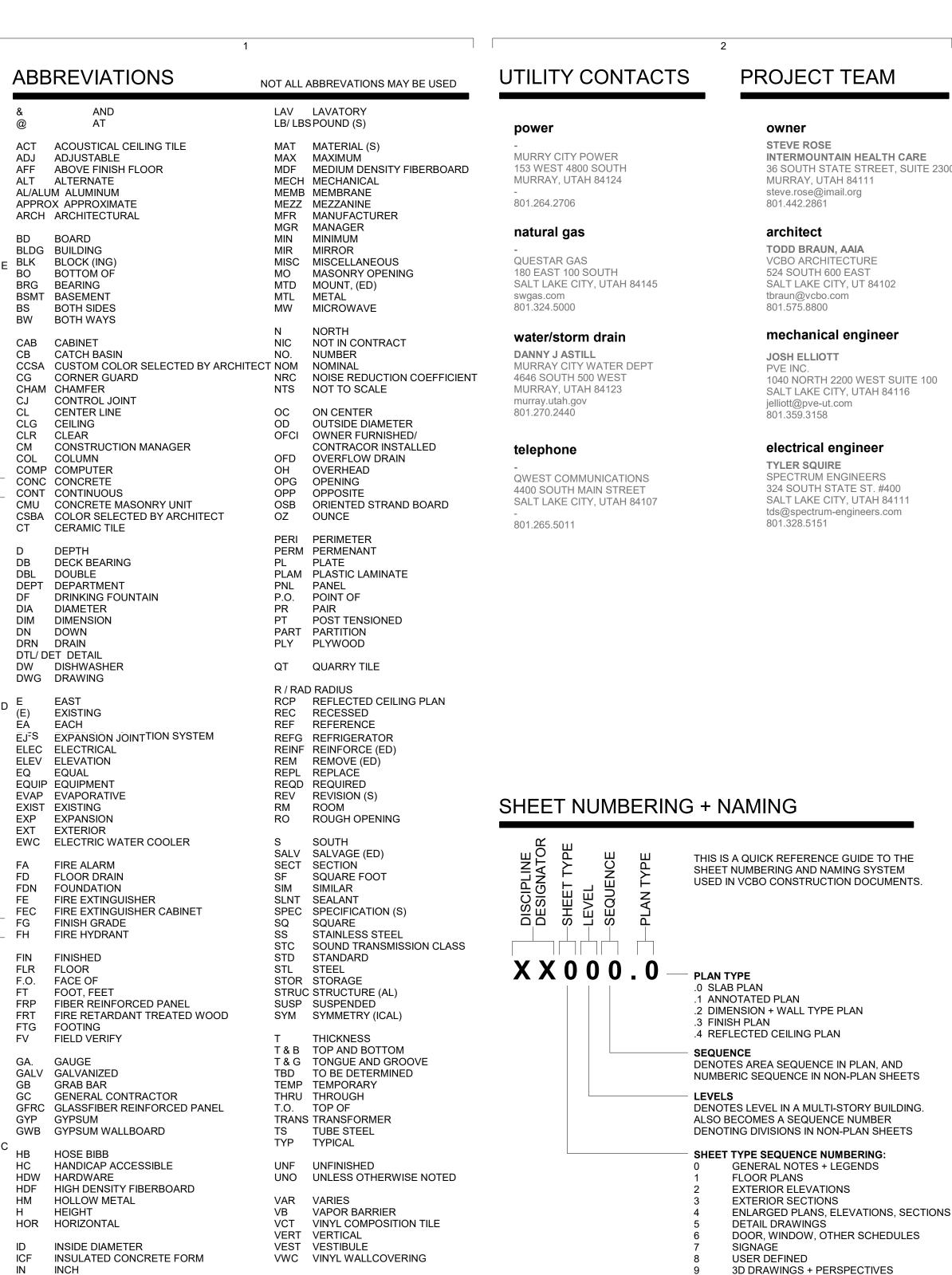












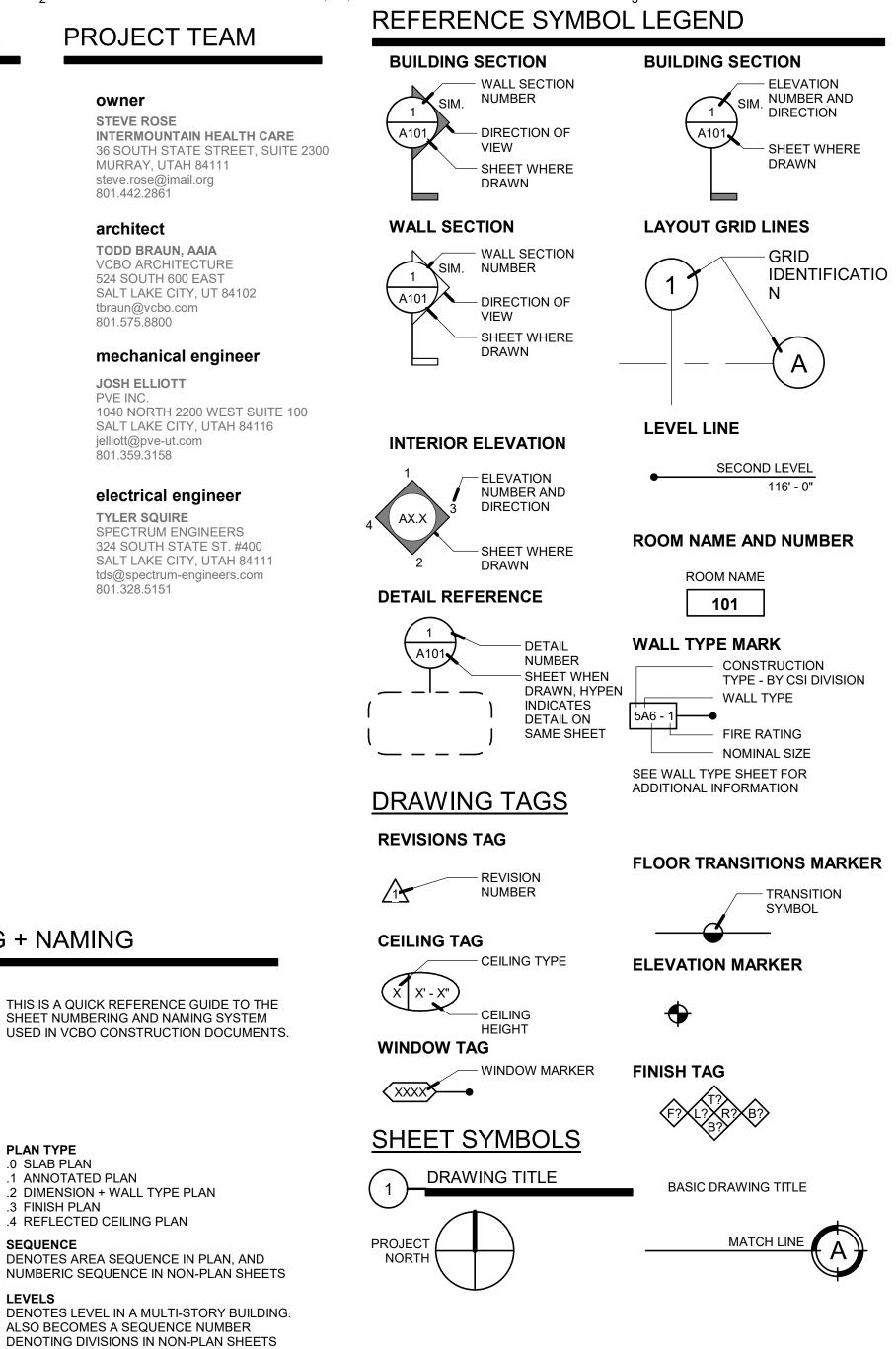
WEST

WITH WC WATER CLOSET

WD WOOD W/O WITHOUT WSCT WAINSCOT

WIDTH

WWF WELDED WIRE FABRIC



### SHEET INDEX

SHEET NAME SHEET NUMBER SHEET NAME SHEET NUMBER ELECTRICAL SHEET INDEX. ABBREVIATIONS. AND GENERAL NOTES VCBO COVER EE001 EE003 G001 VCBO GENERAL INFORMATION AND INDEX TELECOM SCHEDULES AND NOTES G120 EE004 EGRESS PLAN - LEVEL 02 G301 EE501 TYPICAL ANSI ACCESSIBILITY STANDARDS ELECTRICAL DETAILS EE701 TYPICAL MOUNTING HEIGHT DETAILS ARCHITECTURAL DEMOLITION ED102 LEVEL 2 ELECTRICAL DEMOLITION PLAN AD120.1 EP102 LEVEL 2 POWER PLAN PLAN - DEMOLITION - LEVEL 02 REFLECTED CEILING PLAN - DEMOLITION - LEVEL 02 EL102 AD120.2 LEVEL 2 LIGHTING PLAN EL601 INTERIOR LIGHTING FIXTURE SCHEDULE ARCHITECTURAL ET102 LEVEL 2 TELECOM PLAN ET401 A120.1 ANNOTATED PLAN - LEVEL 02 ENLARGED TELECOM PLANS

A120.4 REFLECTED CEILING PLAN - LEVEL 02 A500 A600 DOOR SCHEDULE + ELEVATIONS 48 OCCUPANTS \* 0.2 = 10" REQIURED EGRESS WIDTH

M221

FIRE RESISTANCE RATING REQUIREMENTS: TYPE II A CONSTRUCTION FIRE RESISTANCE RATING FOR BUILDING ELEMENTS:

136" PROVIDED

**SQUARE FOOTAGE OF REMODELED AREAS:** 

- STAIRS 0.3 IN / OCC., OTHER 0.2 IN / OCC.

**EGRESS WIDTH FOR OCCUPANCY SERVED** (PER 1005)

LEVEL 2 - 4,780 S.F. = 48 OCCUPANTS

LEVEL 2 - 4,780 S.F.

**DESIGN DATA** 

**GOVERNING BUILDING CODES:** 

IMC 2018, IPC2018, NEC 2017

ASSEMBLIES TO REMAIN.

FIRE SPRINKLERED: YES

**OCCUPANCY TYPE** - GROUP B

IBC 2018, ANSI 117-1 2003, NFPA 70 LIFE SAFETY 2017,

TENANT IMPROVEMENT TO EXISTING BUILDING, NOT A CHANGE IN

OCCUPANCY. ORIGINALLY BUILT IN 2003 UNDER UBC 1997, ALL RATED

CONSTRUCTION TYPE: TYPE II A - (AS PER EXISTING BUILDING BUILT IN 2000)

TABLE 601 1 HOUR STRUCTURAL FRAME BEARING WALL (INT./EXT.) 1 HOUR NON-BEARING WALL (INT./EXT.) 0 HOUR (30' TABLE 602) FLOOR CONSTRUCTION 1 HOUR SHAFT ENCLOSURES (ELEVATOR / STAIRWAY) 1 HOUR

WALL TYPES + CEILING DETAILS + GENERAL NOTES **MECHANICAL** M000 **GENERAL NOTES & LEGENDS** 

LEVEL 2 - MECHANICAL PLAN

AUDIO-VIDEO ROUGH-IN SCHEDULES & NOTES ET501 TELECOM EQUIPMENT RACK ELEVATIONS ET502 TELECOM DETAILS ET601 TELECOM RISER DIAGRAMS EY102 LEVEL 2 AUXILIARY PLAN EJ102 LEVEL 2 AUDIO-VIDEO ROUGH-IN PLAN TA001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

Grand total: 29





REV DATE DESCRIPTION

VCBO NUMBER: **CLIENT NUMBER:** 

4-14-2022

INFORMATION AND

INDEX

**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.
- DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY 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
  - 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
  - DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY 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
  - 5. CONTRACTOR TO FOLLOW CURRENT ANSI 117-1 STANDARDS AS REPRESENTED ON SHEET G301, GENERAL ACCESSIBILITY GUIDELINES.
  - 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. PAINT ALL WALLS, HM DOOR FRAMES, ELEVATOR DOORS, AND CEILING SOFFITS OF ALL ROOMS WITHIN SCOPE OF WORK SHOWN ON PLANS.

### **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
- SUBSEQUENT ADDENDUMS OR CLARIFICATIONS THAT MAY BE ISSUED. 2. THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTORS 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.

ADVANCE BY THE ARCHITECT.

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 NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR

- NOTIFY ARCHITECT IF THE DESIGN DRAWINGS CONFLICT WITH THIS

- REPAIR AND PREP ANY DAMAGE AS NECESSARY.

VICINITY MAP

INSUL INSULATE, (D), (ION)

INCL INCLUDE INFO INFORMATION

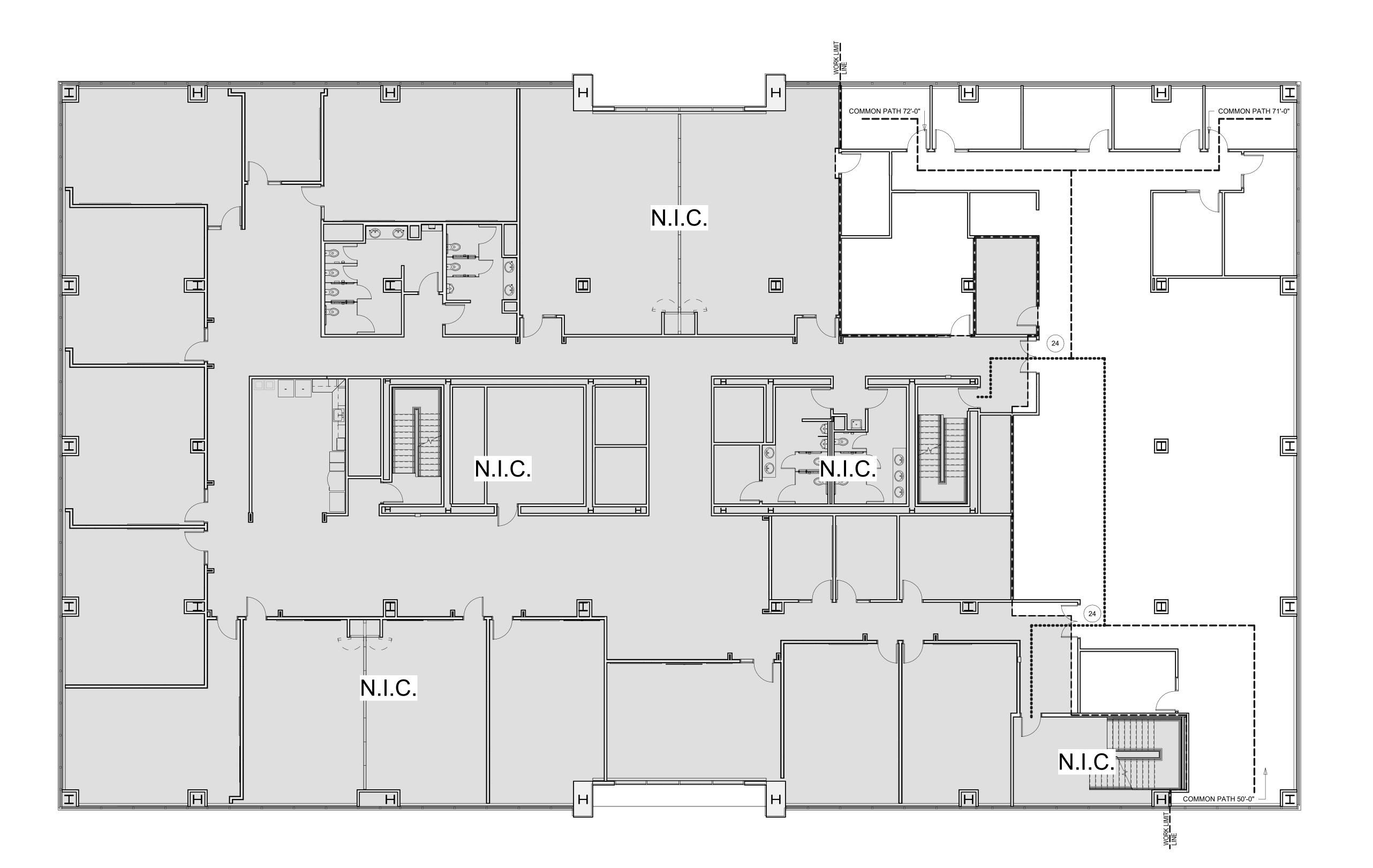
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INV INVERT





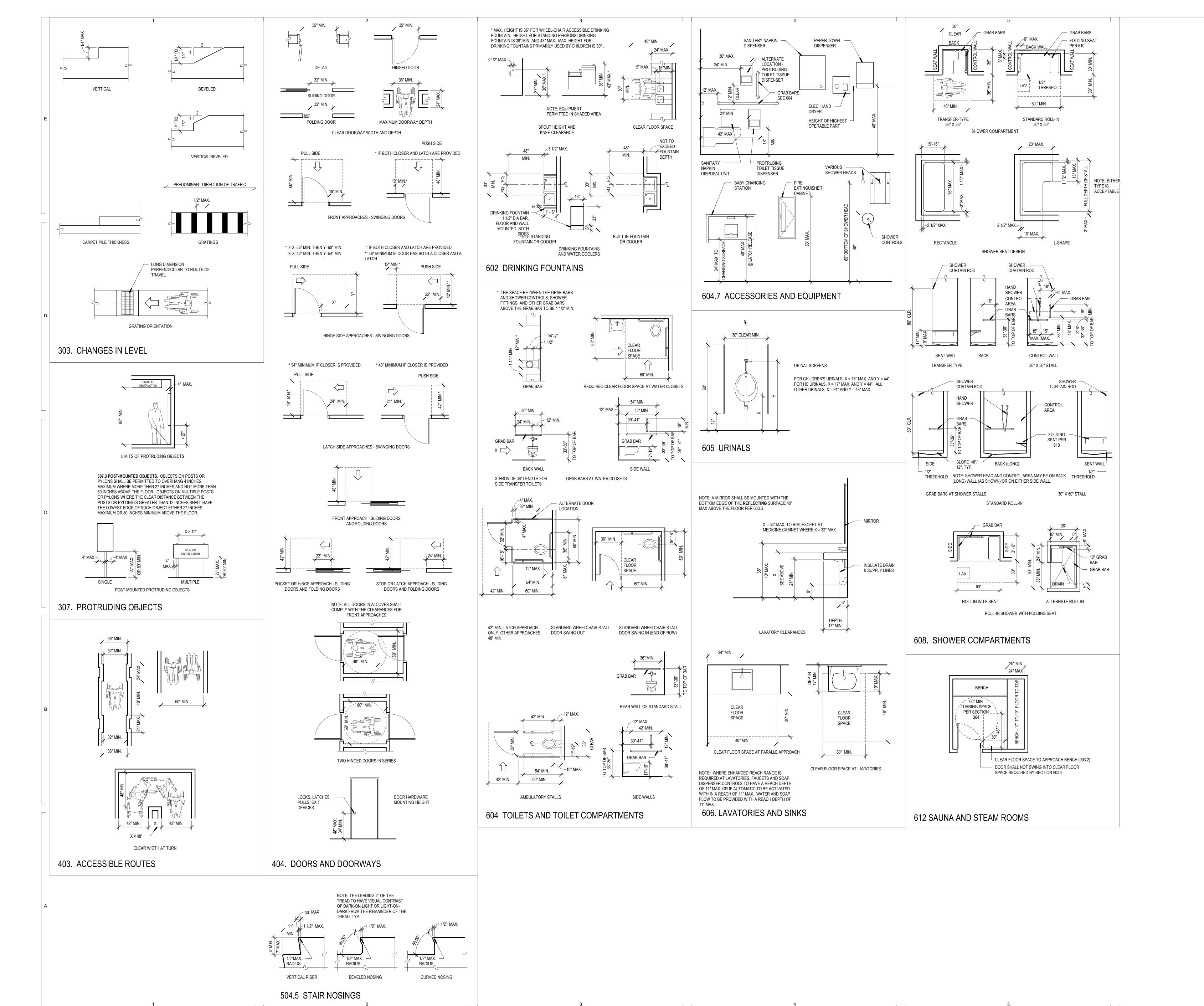


1 EGRESS MAP PLAN - LEVEL 02 SCALE: 1/8" = 1'-0"

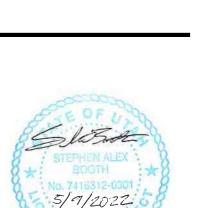
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REV DATE DESCRIPTION

2ND FLOOR REMODEL











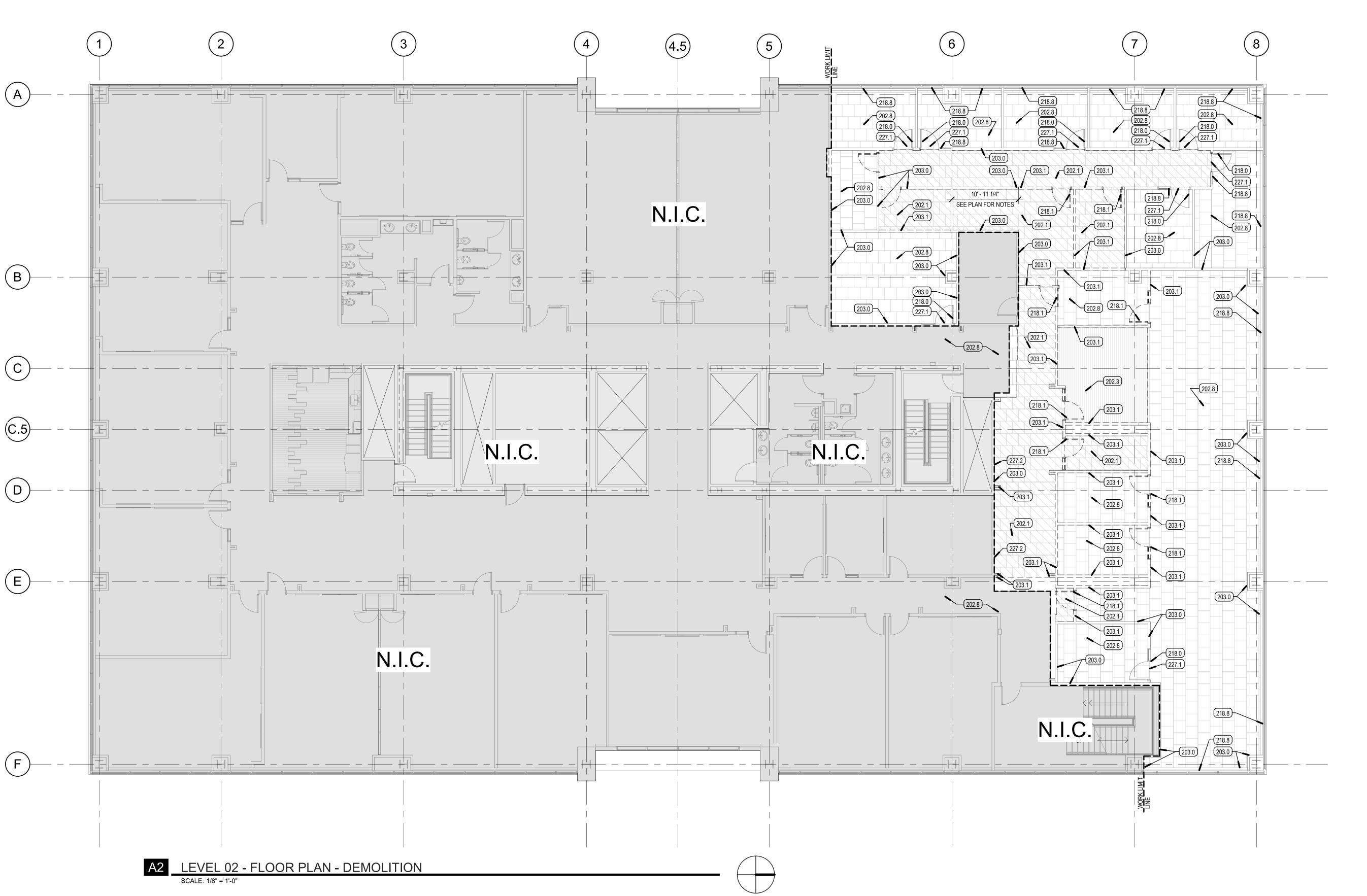
REV DATE DESCRIPTION

4-14-2022

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**CLIENT NUMBER:** 

REMODE



### GENERAL DEMOLITION NOTES

- 1. FIELD VERIFY DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING. BRING DIFFERING DIMENSIONS AND CONDITIONS TO ARCHITECT'S ATTENTION PRIOR TO BIDDING.
- 2. PROVIDE DUSTPROOF ENCLOSURES AT PERIMETER OF CONSTRUCTION & DEMOLITION FOR PROTECTION OF ADJACENT
- 3. COORDINATE MAINTENANCE OF FIRE EGRESS FOR OCCUPANTS IN EXISTING BUILDING WITH THE OWNER AND FIRE MARSHAL.
- PROVIDE NECESSARY TEMPORARY WALLS OR ENCLOSURES, EMERGENCY LIGHTS, ETC., FOR THE DURATION OF CONSTRUCTION. 4. BRING TO ARCHITECT'S ATTENTION EXISTING CONDITIONS THAT
- PRESENT ANY CODE VIOLATIONS, INCORRECT CONSTRUCTION OR SAFETY PROBLEMS. 5. MAINTAIN EXISTING FIRE RATINGS AND ASSOCIATED FIRE PROTECTION SYSTEMS (I.E. FIRE SPRINKLERS AND FIRE ALARM
- SYSTEMS) THROUGHOUT CONSTRUCTION. COORDINATE ANY INTERRUPTION TO THESE SYSTEMS WITH THE OWNER AND FIRE MARSHAL. PROVIDE FIRE WATCH REQUIREMENTS ASSOCIATED WITH INTERRUPTIONS TO THESE SYSTEMS.
- 6. PROTECT EXISTING STRUCTURE, FINISHES, AND SITE ELEMENTS NOT SCHEDULED FOR DEMOLITION. RESTORE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION OR REPLACE AT CONTRACTOR'S
- EXPENSE. 7. REMOVE AND DISPOSE OF SELECTIVE DEMOLITION MATERIAL PER CITY REQUIREMENTS.
- 8. SALVAGE MATERIAL WHERE INDICATED. REMOVE ITEMS FROM CURRENT LOCATIONS & PREPARE FOR TRANSPORT BY THE
- 9. AS SOME DEMOLITION WORK WILL BE SPECIFIC TO DIVISION 22, 23, 26, THE CONTRACTOR SHALL CROSS REFERENCE WITH ELECTRICAL AND MECHANICAL PLANS FOR ADDITIONAL DEMOLITION WHICH IS REQUIRED, BUT NOT REFLECTED ON ARCHITECTURAL DRAWINGS.

### GENERAL PLAN DEMOLITION NOTES

- 1. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR REQUIRED ADDITIONAL DEMOLITION
- 2. MAINTAIN EXISTING FIRE RATINGS THROUGHOUT CONSTRUCTION 3. DO NOT DISTURB EXISTING FIRE RATED ELEMENTS INCLUDING
- FIREPROOFING. PATCH/REPAIR DAMAGED OR DISTURBED ITEMS. 4. AFTER DEMOLITION, PRIOR TO FINISH, PATCH AND REPAIR EXISTING
- WALLS TO PROVIDE SMOOTH SURFACE SUITABLE FOR PAINTING OR WALL COVERING. 5. PATCH & LEVEL EXISTING CONCRETE SLABS FOR NEW FINISHES WITH
- FLOOR LEVELING COMPOUND. 6. FIELD VERIFY AND COORDINATE SAW CUTTING OF THE CONCRETE
- FLOOR SLAB WITH PLUMBING AND ELECTRICAL.
- 7. WHERE ELECTRICAL CIRCUIT CONTINUITY IS INTERRUPTED BUT MUST BE MAINTAINED, MAKE NECESSARY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
- 8. REMOVE ELECTRICAL BOXES BEHIND RELOCATED MILLWORK AND CAP AS REQUIRED. 9. CAP EXISTING DUCT WORK FOR DUST CONTROL.
- 10. ALL EXISTING COLUMN WRAPS TO REMAIN UNLESS NOTED. 11. EXISTING THERMOSTATS TO BE SALVAGE FOR FUTURE USE. IF THEY ARE ON A WALL THAT IS TO REMAIN, LEAVE IN PLACE AND PROTECT AS REQUIRED.

### DEMOLITION LEGEND

HALF-TONE LINE DENOTES ITEMS TO REMAIN DASHED LINE DENOTES ITEMS TO BE DEMOLISHED

AREA TO REMAIN UNDISTURBED DURING CONSTRUCTION

### **KEYED NOTES**

- REMOVE & DISPOSE OF EXISTING CARPET, SCRAPE/REMOVE GLUE AS NECESSARY TO ALLOW FOR FUTURE CARPET INSTALLATION
  - REMOVE & DISPOSE OF EXISTING RESILIENT FLOORING, SCRAPE/REMOVE GLUE AS NECESSARY TO ALLOW FOR FUTURE FLOORING INSTALLATION
- EXISTING FLOORING, PROTECT AS NECESSARY, REPAIR AS REQUIRED AT TRANSITIONS TO NEW FLOORING
- EXISTING WALL, PROTECT AS NECESSARY, REPAIR AS
- REMOVE EXISTING WALL IN ITS ENTIRETY EXISTING DOOR/WINDOW, PROTECT AS NECESSARY, REPAIR
- REMOVE & DISPOSE OF EXISTING DOOR, FRAME, & HARDWARE REMOVE & DISPOSE OF EXISTING WINDOW BLINDS OR ROLLER 218.8
  - REMOVE & DISPOSE OF EXISTING PRIVACY FILM
  - REMOVE & DISPOSE OF EXISTING VINYL WALLCOVERING, PATCH & REPAIR WALL FOR PAINTING

524 SOUTH 600 EAST 801.575.8800 SALT LAKE CITY, UT 84102 VCBO.COM



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### GENERAL DEMOLITION NOTES

- 1. FIELD VERIFY DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING. BRING DIFFERING DIMENSIONS AND CONDITIONS TO ARCHITECT'S ATTENTION PRIOR TO BIDDING. 2. PROVIDE DUSTPROOF ENCLOSURES AT PERIMETER OF
- CONSTRUCTION & DEMOLITION FOR PROTECTION OF ADJACENT 3. COORDINATE MAINTENANCE OF FIRE EGRESS FOR OCCUPANTS IN EXISTING BUILDING WITH THE OWNER AND FIRE MARSHAL.
- EMERGENCY LIGHTS, ETC., FOR THE DURATION OF CONSTRUCTION. 4. BRING TO ARCHITECT'S ATTENTION EXISTING CONDITIONS THAT PRESENT ANY CODE VIOLATIONS, INCORRECT CONSTRUCTION OR SAFETY PROBLEMS.

PROVIDE NECESSARY TEMPORARY WALLS OR ENCLOSURES,

- 5. MAINTAIN EXISTING FIRE RATINGS AND ASSOCIATED FIRE PROTECTION SYSTEMS (I.E. FIRE SPRINKLERS AND FIRE ALARM SYSTEMS) THROUGHOUT CONSTRUCTION. COORDINATE ANY INTERRUPTION TO THESE SYSTEMS WITH THE OWNER AND FIRE MARSHAL. PROVIDE FIRE WATCH REQUIREMENTS ASSOCIATED WITH INTERRUPTIONS TO THESE SYSTEMS.
- 6. PROTECT EXISTING STRUCTURE, FINISHES, AND SITE ELEMENTS NOT SCHEDULED FOR DEMOLITION. RESTORE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION OR REPLACE AT CONTRACTOR'S
- 7. REMOVE AND DISPOSE OF SELECTIVE DEMOLITION MATERIAL PER CITY REQUIREMENTS. 8. SALVAGE MATERIAL WHERE INDICATED. REMOVE ITEMS FROM
- CURRENT LOCATIONS & PREPARE FOR TRANSPORT BY THE
- 9. AS SOME DEMOLITION WORK WILL BE SPECIFIC TO DIVISION 22, 23, 26, THE CONTRACTOR SHALL CROSS REFERENCE WITH

ELECTRICAL AND MECHANICAL PLANS FOR ADDITIONAL DEMOLITION WHICH IS REQUIRED, BUT NOT REFLECTED ON

ARCHITECTURAL DRAWINGS.

### GENERAL PLAN DEMOLITION NOTES

- 1. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR REQUIRED ADDITIONAL DEMOLITION
- 2. MAINTAIN EXISTING FIRE RATINGS THROUGHOUT CONSTRUCTION 3. DO NOT DISTURB EXISTING FIRE RATED ELEMENTS INCLUDING
- FIREPROOFING. PATCH/REPAIR DAMAGED OR DISTURBED ITEMS. 4. AFTER DEMOLITION, PRIOR TO FINISH, PATCH AND REPAIR EXISTING WALLS TO PROVIDE SMOOTH SURFACE SUITABLE FOR PAINTING OR
- WALL COVERING. 5. PATCH & LEVEL EXISTING CONCRETE SLABS FOR NEW FINISHES WITH
- FLOOR LEVELING COMPOUND. 6. FIELD VERIFY AND COORDINATE SAW CUTTING OF THE CONCRETE
- FLOOR SLAB WITH PLUMBING AND ELECTRICAL. 7. WHERE ELECTRICAL CIRCUIT CONTINUITY IS INTERRUPTED BUT MUST
- BE MAINTAINED, MAKE NECESSARY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
- 8. REMOVE ELECTRICAL BOXES BEHIND RELOCATED MILLWORK AND CAP AS REQUIRED.
- 9. CAP EXISTING DUCT WORK FOR DUST CONTROL. 10. ALL EXISTING COLUMN WRAPS TO REMAIN UNLESS NOTED.
- 11. EXISTING THERMOSTATS TO BE SALVAGE FOR FUTURE USE. IF THEY ARE ON A WALL THAT IS TO REMAIN, LEAVE IN PLACE AND PROTECT AS REQUIRED.

### DEMOLITION LEGEND

HALF-TONE LINE DENOTES ITEMS TO REMAIN DASHED LINE DENOTES ITEMS TO BE DEMOLISHED AREA TO REMAIN UNDISTURBED DURING CONSTRUCTION

# **KEYED NOTES**

REMOVE EXISTING CEILING TILE AND PROTECT FOR REINSTALLATION; REMOVE AND DISPOSE OF EXISTING REMOVE AND DISPOSE OF EXISTING GYPSUM BOARD CEILING AND FRAMING

REV DATE DESCRIPTION

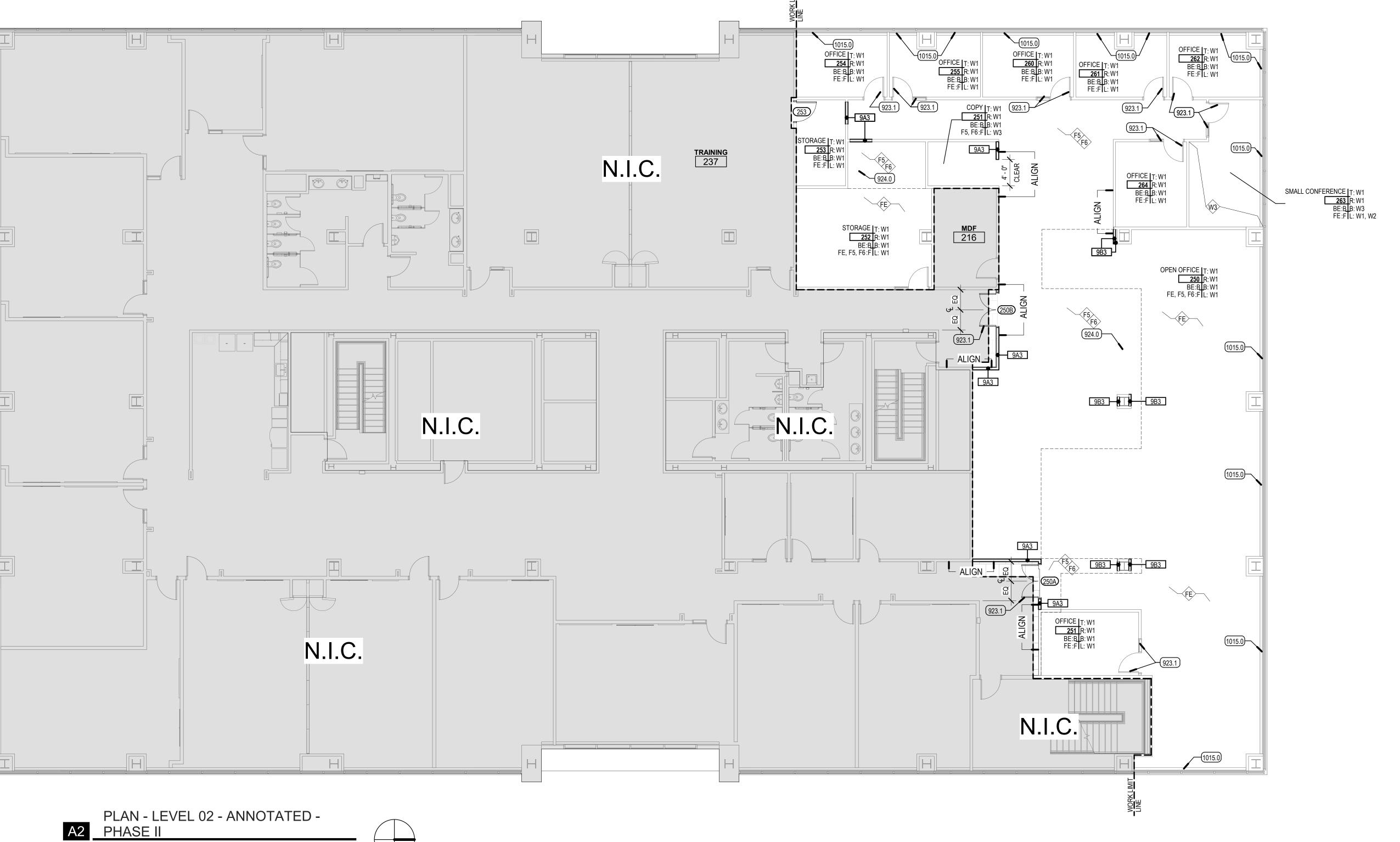
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20

AD120.2

	LEGEND - FINISH									
	MARK	PRODUCT	MANUFACTURER		DESCRIPTION					
				STYLE	ABSORBED					
	F1	GENERAL CARPET - CORRIDORS	SHAW	COLOR	BEAM					
		(NOT USED)		NOTES						
				STYLE	VIBRANT + VISIBLE					
	F2	ACCENT CARPET - CORRIDORS	SHAW	COLOR	BEAM					
		(NOT USED)		NOTES						
				STYLE						
	F3	NOT USED		COLOR						
				NOTES						
~				STYLE						
FLOOR	F4	NOT USED		COLOR						
ᇤ				NOTES						
				STYLE	ABSORBED					
	F5	GENERAL CARPET - OFFICES	SHAW	COLOR	ECLIPSE					
				NOTES						
				STYLE	VIBRANT					
	F6	ACCENT CARPET - OFFICES	SHAW	COLOR	ECLIPSE					
				NOTES	MATCH % OF ACCENT TILE IN EXISTING CARPET, VERIFY IN FIELD					
		EXISTING FLOORING		STYLE	EXISTING TO REMAIN					
	FE			COLOR						
				NOTES						
			ROPPE	STYLE	4" RUBBER BASE					
	B1	4" RUBBER BASE		COLOR	MATCH EXISTING					
띘				NOTES	CONTRACTOR TO VERIFY IN FIELD					
BASE				STYLE	EXISTING TO REMAIN					
	BE	EXISTING 4" RUBBER BASE		COLOR						
				NOTES						
				STYLE	SW 7005 PURE WHITE					
Σ	W1	PRIMED & PAINTED WALL SURFACE - GENERAL	SHERWIN WILLIAMS	COLOR	WHITE					
E		SOM NOE SEMENTE		NOTES	REPAINT ALL WALLS WITHIN SCOPE OF WORK, U.N.O.					
VAC				STYLE	SW 7017 DORIAN GRAY					
/PRI	W2	PRIMED & PAINTED WALL SURFACE - ACCENT	SHERWIN WILLIAMS	COLOR	LIGHT GRAY					
RING		SOM NOL MODERI		NOTES	ACCENT WALLS IN CLASSROOMS					
OVEF				STYLE						
PAINT / WALLCOVERING/PRIVACY FILM	НМ	H.M. DOOR PAINT	SHERWIN WILLIAMS	COLOR	MATCH ADJACENT WALL COLOR					
× ×				NOTES						
IN				STYLE	FASARA - FUSION PEARL SH2CSFP					
PA	PF	PRIVACY FILM	3M	COLOR						
				NOTES	INSTALL ON ALL NEW & EXISTING DOORS & SIDELITES, AS SHOWN ON SHEET A600.					

					WALI	FINISHES	WALL FINISHES							
MBER	ROOM NAME	FLOOR	BASE	TOP	RIGHT	BOTTOM	LEFT							
				_										
)	OPEN OFFICE	FE, F5, F6	BE	W1	W1	W1	W1							
1	OFFICE	FE	BE	W1	W1	W1	W1							
1	COPY	F5, F6	BE	W1	W1	W1	W3							
2	STORAGE	FE, F5, F6	BE	W1	W1	W1	W1							
3	STORAGE	FE	BE	W1	W1	W1	W1							
1	OFFICE	FE	BE	W1	W1	W1	W1							
5	OFFICE	FE	BE	W1	W1	W1	W1							
)	OFFICE	FE	BE	W1	W1	W1	W1							
1	OFFICE	FE	BE	W1	W1	W1	W1							
2	OFFICE	FE	BE	W1	W1	W1	W1							
3	SMALL CONFERENCE	FE	BE	W1	W1	W3	W1, W2							
1	OFFICE	FE	BE	W1	W1	W1	W1							



### **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. PAINT ALL WALLS, HM DOOR FRAMES, ELEVATOR DOORS, AND CEILING SOFFITS OF ALL ROOMS WITHIN SCOPE OF WORK SHOWN ON PLANS. REPAIR AND PREP ANY DAMAGE AS NECESSARY.



923.1 NEW VINYL PRIVACY FILM, FULL HEIGHT & WIDTH OF GLASS 924.0 NEW CARPET, MATCH EXISTING

1015.0 NEW ROLLER SHADES, REFER TO SPECS

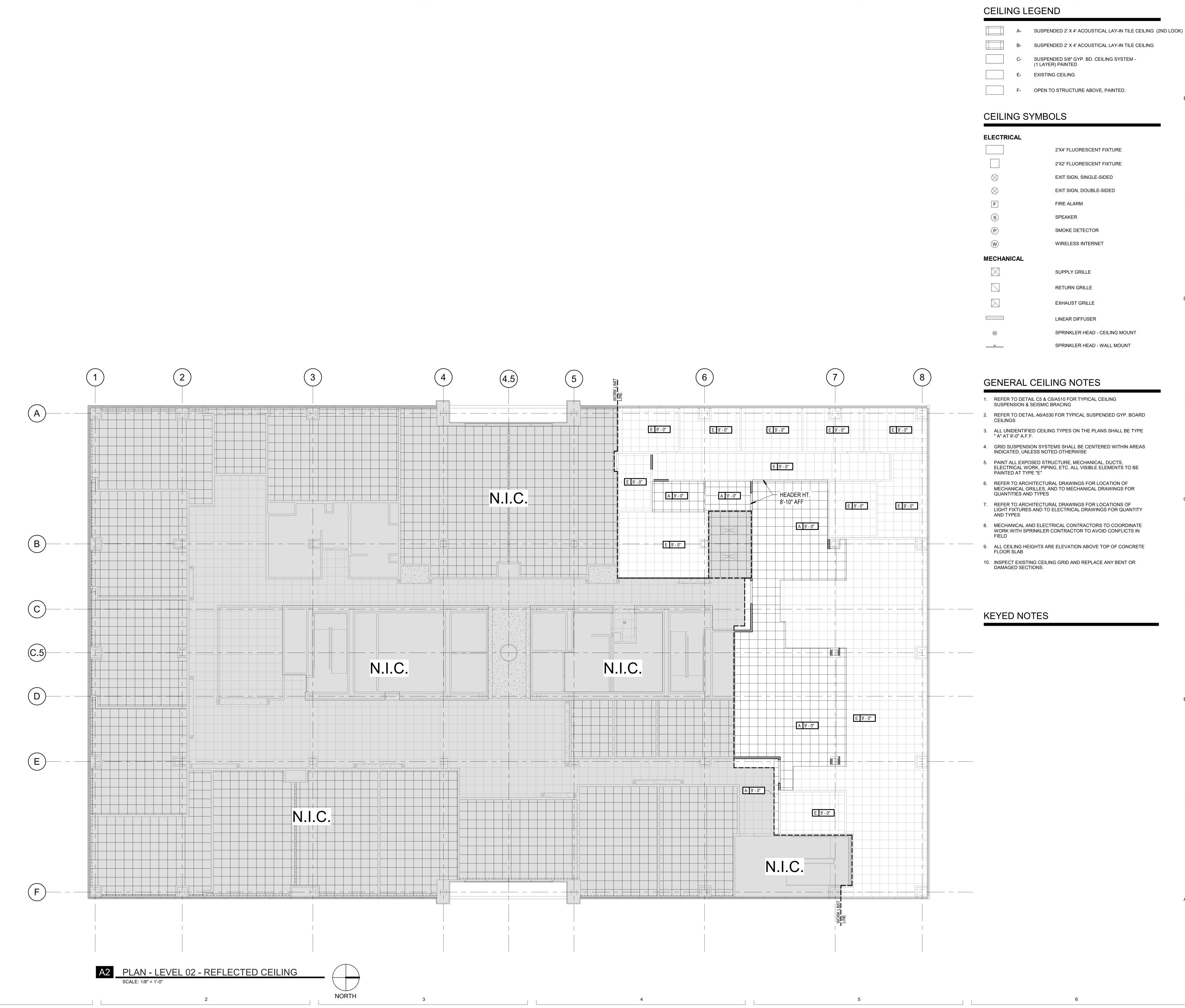
TH - VCT 2ND FLOOR REMODEL

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PHASE II
TERMOUNTAIN HEALTHCARE

ANNOTATED PLAN-LEVEL 02

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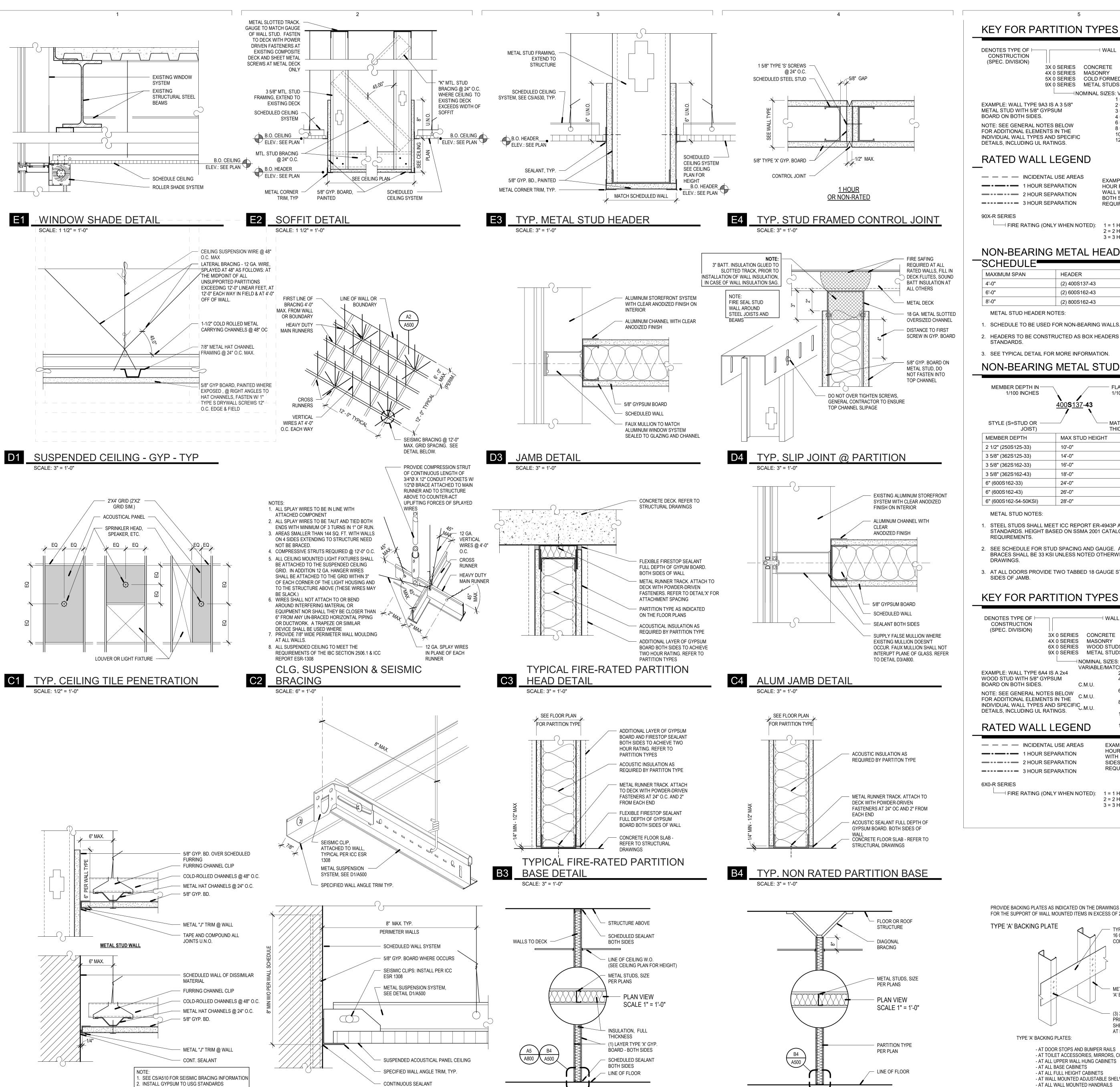




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PARTITION TYPE 9AX

SCALE: 1/2" = 1'-0"

PARTITION TYPE 9BX

SCALE: 1/2" = 1'-0"

A1 SLIP JOINT DETAILS

SCALE: 3" = 1'-0"

TYP. LAY-IN CEILING DETAIL

SCALE: 6" = 1'-0"

### **KEY FOR PARTITION TYPES**

DENOTES TYPE OF ⊢ CONSTRUCTION (SPEC. DIVISION) 3X 0 SERIES CONCRETE 4X 0 SERIES MASONRY

5X 0 SERIES COLD FORMED METAL STUDS, 16ga MIN. 9X 0 SERIES METAL STUDS ---- NOMINAL SIZES: V = VARIABLE/MATCHEXISTING 1 = 1 5/8" STUDS

EXAMPLE: WALL TYPE 9A3 IS A 3 5/8" 2 = 2 1/2" STUDS METAL STUD WITH 5/8" GYPSUM 3 = 3 5/8" STUDS 4 = 4" STUDS / 4" (NOM.) C.M.U. BOARD ON BOTH SIDES. 6 = 6" STUDS / 6" (NOM.) C.M.U. NOTE: SEE GENERAL NOTES BELOW 8 = 8" STUDS / 8" (NOM.) C.M.U. FOR ADDITIONAL ELEMENTS IN THE 10 = 10" (NOM.) C.M.U. OR CONC INDIVIDUAL WALL TYPES AND SPECIFIC 12 = 12" (NOM.) C.M.U. OR CONC. DETAILS, INCLUDING UL RATINGS.

### RATED WALL LEGEND

— — — INCIDENTAL USE AREAS — • — 1 HOUR SEPARATION ———— 2 HOUR SEPARATION ---- 3 HOUR SEPARATION

**EXAMPLE: WALL TYPE 9A3-1 IS A ONE** HOUR RATED, 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES, PER ASSEMBLY REQUIREMENTS.

3 = 3 HOUR RATED ASSEMBLY

FLANGE WIDTH IN

90X-R SERIES

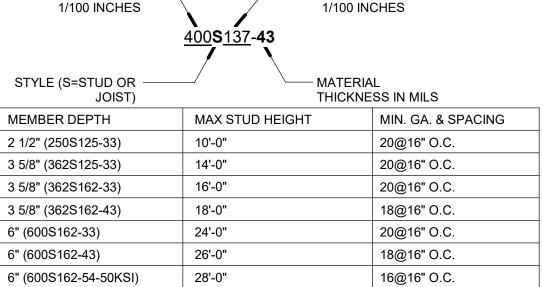
FIRE RATING (ONLY WHEN NOTED): 1 = 1 HOUR RATED ASSEMBLY2 = 2 HOUR RATED ASSEMBLY

### NON-BEARING METAL HEADER

CHEDULE								
MAXIMUM SPAN	HEADER	FY						
4'-0"	(2) 400\$137-43	33 ksi						
6'-0"	(2) 600\$162-43	33 ksi						
8'-0"	(2) 800S162-43	33 ksi						

- METAL STUD HEADER NOTES
- 2. HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA STANDARDS.
- 3. SEE TYPICAL DETAIL FOR MORE INFORMATION.

### NON-BEARING METAL STUD GAUGE SIZING



- 1. STEEL STUDS SHALL MEET ICC REPORT ER-4943P AND THE SSMA STANDARDS, HEIGHT BASED ON SSMA 2001 CATALOG AND PROJECT REQUIREMENTS.
- 2. SEE SCHEDULE FOR STUD SPACING AND GAUGE. ALL STUDS AND BRACES SHALL BE 33 KSI UNLESS NOTED OTHERWISE IN THESE
- 3. AT ALL DOORS PROVIDE TWO TABBED 18 GAUGE STUDS AT BOTH SIDES OF JAMB.

### **KEY FOR PARTITION TYPES**

DENOTES TYPE OF ⊢ CONSTRUCTION (SPEC. DIVISION) 3X 0 SERIES CONCRETE

4X 0 SERIES MASONRY 6X 0 SERIES WOOD STUDS 9X 0 SERIES METAL STUDS NOMINAL SIZES: V =

VARIABLE/MATCHEXISTING EXAMPLE: WALL TYPE 6A4 IS A 2x4 2 = 2x2 WOOD STUDSWOOD STUD WITH 5/8" GYPSUM 4 = 2x4 WOOD STUDS / 4"BOARD ON BOTH SIDES. C.M.U. 6 = 2x6 WOOD STUDS / 6"NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE 8 = 2x8 WOOD STUDS / 8" INDIVIDUAL WALL TYPES AND SPECIFIC .M.U. DETAILS, INCLUDING UL RATINGS.

RATED WALL LEGEND

EXAMPLE: WALL TYPE 6A4-1 IS A ONE — — — INCIDENTAL USE AREAS

— • — 1 HOUR SEPARATION ———— 2 HOUR SEPARATION

6X0-R SERIES

FIRE RATING (ONLY WHEN NOTED): 1 = 1 HOUR RATED ASSEMBLY 2 = 2 HOUR RATED ASSEMBLY 3 = 3 HOUR RATED ASSEMBLY

10 = 2x10 WOOD STUDS

12 = 2x12 WOOD STUDS

/10" C.M.U. OR CONC.

/12" C.M.U. OR CONC.

HOUR RATED, 2x4 WOOD STUD WALL

WITH 5/8" GYPSUM BOARD ON BOTH

SIDES, PER ASSEMBLY

REQUIREMENTS.

### PARTITION AND FRAMING GENERAL NOTES

### **FRAMED WALL PARTITIONS**

- . PARTITION TYPE INDICATIONS ARE INDEPENDANT OF APPLIED FINISHES. SEE THE FINISH SHEETS AND INTERIOR ELEVATIONS FOR WALL FINISHES INCLUDING TILE COURSING AND LAYOUT AND/OR THE DESIGNATIONS ON THE PLANS FOR
- ADDITIONAL INFORMATION REGARDING APPLIED FINISHES. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY
- THE PARTITION IN WHICH THE INTERRUPTION OCCURRED. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL

DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION

(AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR

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a. USE 5/8" THICK GYPSUM BOARD THROUGHOUT UNLESS NOTED OTHERWISE.

GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:

- USE 16" OC MAX STUD SPACING UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAX SPACING IF ALLOWED IN THESE DOCUMENTS.
- USE STUDS OF GAGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAGE TESTED, 20 GA (30 MILS) IS THE MINIMUM ALLOWED IN THESE DOCUMENTS.
- USE STUDS OF DEPTH INDICATED BY THIS SET OF DOCUMENTS. THE DEPTH 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
- PROVIDE FIRE RATED CONSTRUCTION ASSEMBLIES WHERE INDICATED ON

SHEETS G100's AND FLOOR PLAN DRAWINGS.

WITH ALL METAL STUD PARTITIONS.

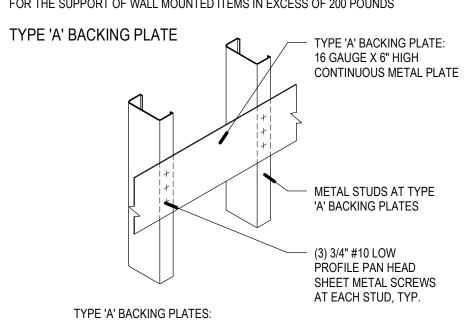
AND A5/ A800 FOR CONTROL JOINTS.

- ALL DIMENSIONS ARE CENTER OF STUD OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. FACE OF FINISHED WALL WILL BE
- AT ALL INTERIOR WALLS, STUDS, INSULATION AND GYPSUM BOARD ARE TO
- EXTEND TO THE DECK ABOVE. UNLESS NOTED OTHERWISE.
- WALL TYPES NOT NOTED ARE ASSUMED TO MATCH ADJACENT ROOMS. SEE SHEETS FOR FINISHES, NOTIFY ARCHITECT OF ANY DISCREPANCIES. ALL METAL STUD PARTITIONS ARE CONSIDERED ACOUSTIC PARTITIONS AND ARE
- STUD DEPTH, UNLESS NOTED OTHERWISE. REFER TO SHEET A500 FOR TYPICAL INTERIOR WALL CONDITIONS ASSOCIATED

TO RECEIVE A TYPE 1 SOUND ATTENUATION BLANKET. THICKNESS TO MATCH

- PROVIDE CONTROL JOINTS IN METAL FRAMED WALLS AT APPROXIMATELY 30 FEET ON CENTER. LOCATE AT CORNER ABOVE DOORS OR INSIDE CORNER OF PILASTERS OR OTHER INCONSPICUOUS LOCATION WHERE POSSIBLE. CONSULT WITH ARCHITECT PRIOR TO COMMENCING FRAMING. INSTALL PER DETAILS A3, B3
- 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 TO BE SEALED W/ ACOUSTICAL OR FIRE SEALANT ON ALL SIDES WITH A 3/4" JOINT AT ALL SIDES, MAXIMUM, THE OPENING FOR DUCTS OR LARGE PENETRATIONS SHALL BE FRAMED WITH A HEADER, ADD AN ANGLED CORNER BRACE IF THE GAP
- EXCEEDS 3" FROM FRAMING TO THE OPENING. 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 MOUN $^{ au}$ SUCH DEVICES. ALL BLOCKING IS TO BE FIRE RETARDANT TREATED. INSTALL
- PER SHEET A800. WHERE THERE IS LIMITED WATER EXPOSURE: INSTALL ONE LAYER OF 5/8" TYPE X WATER RESISTANT GYPSUM BOARD PER ASTM C1396 (WHERE GYPSUM BOARD
- OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS: WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITORS
- AT OTHER LOCATIONS, I.E. TOILET ROOMS AND KITCHENS, AND AS INDICATED ON THE ARCHITECTURAL FINISH PLANS AND ELEVATIONS.
- INSTALL ONE LAYER OF 5/8" GLASS MAT TILE BACKER BOARD IN LIEU OF GYPSUM BOARD (WHERE GYPSUM BOARD OCCURS) OF BASIC PARTITION WHERE THERE IS NO FIRE RATING AND OVER GYPSUM BOARD FACE LAYER AT FIRE RATED
- PARTITIONS AT THE FOLLOWING LOCATIONS. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDS.
- WHERE CERAMIC TILE FINISHES ARE INDICATED PER THE FINISH PLANS AND/OR INTERIOR ELEVATIONS. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH
- PLANS AND ELEVATIONS.
- WHERE NEW WALLS OR FURRING ARE INDICATED TO BE DIMENSIONED OFF OF AN EXISTING WALL, THE NEW WALL SHALL BE STRAIGHT AND PLUMB REGARDLESS 17. OF THE CONDITION OF THE EXISTING WALL.
- ALL EXTERIOR STUD WALLS TO HAVE CONTINUOUS INSULATION, VAPOR BARRIER AND AIR INFILTRATION BARRIER FOR THE FULL HEIGHT AND LENGTH OF THE WALL, SEAL ALL PENETRATIONS. SEE DETAILS ON SHEET A520 FOR TYPICAL TOP 18. OF WALL CONDITION
- THE AIR INFILTRATION BARRIER IS TO WRAP INTO ALL WINDOW AND DOOR
- SEE DETAIL D3 AND C3 ON SHEET A510 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

PROVIDE BACKING PLATES AS INDICATED ON THE DRAWINGS OR WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING SCHEDULE. REFER TO DETAILS ELSEWHERE IN THE SET OF DRAWINGS FOR THE SUPPORT OF WALL MOUNTED ITEMS IN EXCESS OF 200 POUNDS



- AT DOOR STOPS AND BUMPER RAILS - AT TOILET ACCESSORIES, MIRRORS, COAT HOOKS, ETC. - AT ALL UPPER WALL HUNG CABINETS - AT ALL BASE CABINETS

- AT ALL FULL HEIGHT CABINETS - AT WALL MOUNTED ADJUSTABLE SHELVING - AT ALL WALL MOUNTED HANDRAILS

TYP. BACKING PLATE SCHEDULE

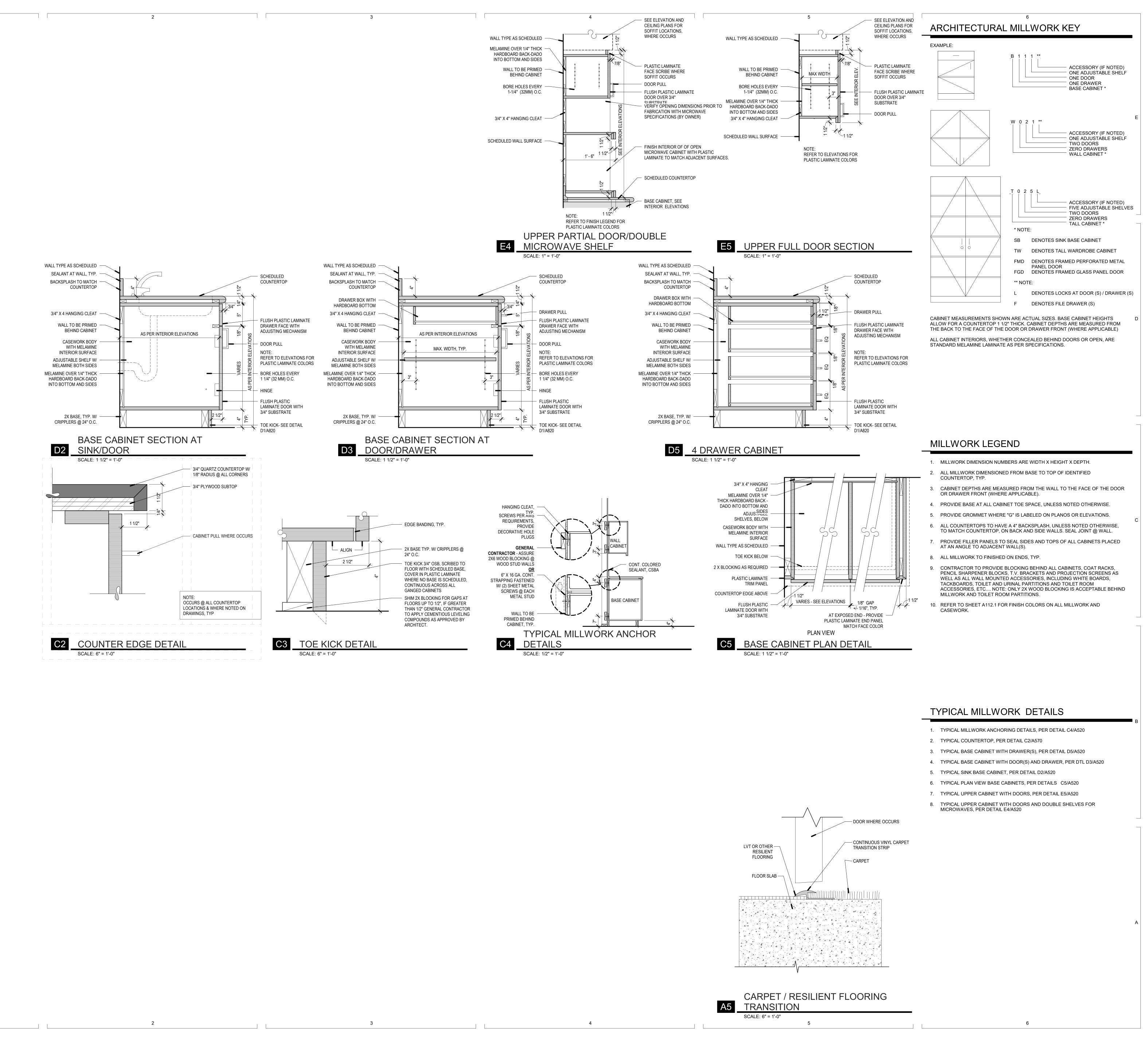
SCALE: 3/16" = 1'-0"

TYPE 'B' BACKING PLATE — TYPE B1 BACKING PLATE: 2X WOOD ATTACHED TO WEB NOTCH STUD RETURN TO ALLOW PLATE TO PASS INSIDE STUD FLANGE METAL STUDS (3) 3/4" #10 LOW PROFILE PAN HEAD SHEET METAL SCREWS AT EACH STUD, TYP. TYPE 'B' BACKING PLATES:

> TYPE 'B' BACKING PLATE SHALL SUPPORT THE SAME ITEMS AS TYPE 'A' BACKING PLATE

CEILING DETAILS + GENERAL NOTES

A500



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**CASEWORK DETAILS** 

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NUMBER				1		ACING/FINISH			Ž	ZE G	YPE	÷		NUMBER
5				YPE	RIAL	<u>                                   </u>	YE	RIAL	FA(	/AR	F (5)	(MIN.		
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٥٥٥٨	60"	00"	4.2/4!!	_	Δ1	ANODIZED	4	Λ1	ANODIZED		2			2507
250A	00	96"	1 3/4"	E	AL	ANODIZED	1	AL	ANODIZED					250 <i>A</i>
250B	60"	96"	1 3/4"	E	AL	ANODIZED	1	AL	ANODIZED		2			250E
253	36"	96"	1 3/4"	Α	WD	STAIN	1	HM	PAINTED		NONE			253

### **DOOR & FRAME NOTES**

- 1. MATERIAL ABBREVIATIONS: WD = WOOD
- AL = ALUMINUM HM = HOLLOW METAL
- 2. SEE SPECIFICATION FOR HARDWARE GROUP DEFINITION 3. ALL HOLLOW METAL FRAMES OPENING TO THE EXTERIOR ARE TO
- BE GALVANIZED 4. ALL HOLLOW METAL DOORS OPENING TO THE EXTERIOR ARE TO
- BE INSULATED AND GALVANIZED 5. OVERALL ALUMINUM FRAME DIMENSIONS ARE GIVEN FOR
- REFERENCE, REFER TO DETAILS FOR JAMB AND SILL CONDITIONS. OVERALL DIMENSIONS ARE TO BE FIELD VERIFIED.
- 6. GENERAL CONTRACTOR TO COORDINATE WORK BETWEEN DOOR INSTALLER AND SECURITY SYSTEM INSTALLER
- 7. WHERE A DOOR IS SHOWN ON THE FLOORS PLANS BUT IS NOT NUMBERED AND/OR DOES NOT APPEAR IN THE DOOR SCHEDULE, THE FOLLOWING DOOR, FRAME AND HARDWARE ARE TO BE BID FOR THIS OPENING: DOOR TYPES X, FRAME TYPE XX, HARDWARE TYPE **XX**.

### GLAZING TYPE LEGEND

MAR DESCRIPTION

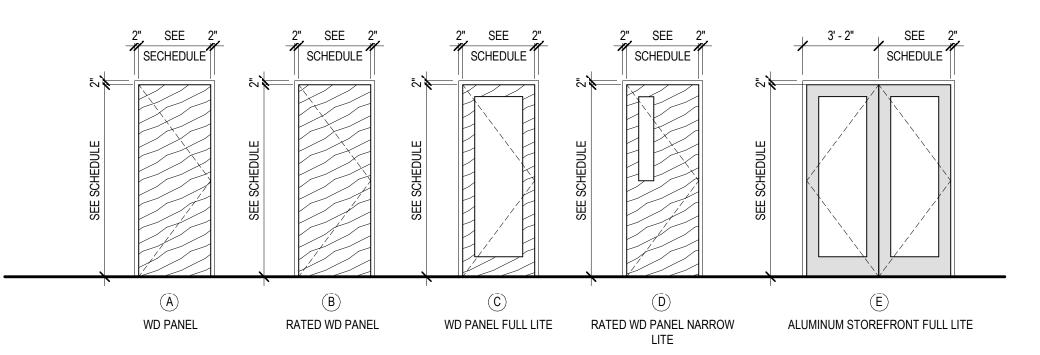
1/4" CLEAR, H.S. FLOAT GLAZING

1/4" CLEAR, H.S. FLOAT GLAZING W/ PRIVACY FILM, APPLY ON OUTSIDE OF GLASS

EXISTING GLAZING

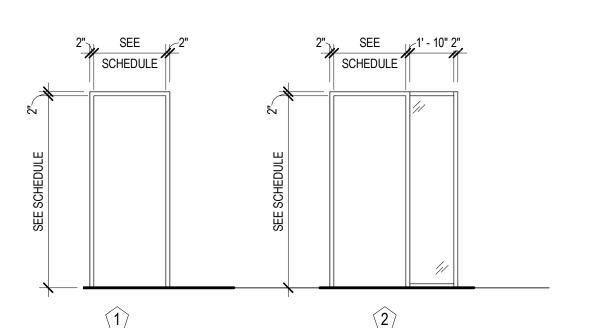
'T' INDICATES TEMPERED GLASS

WINDOW TYPE QUANTITIES PROVIDED FOR CONVENIENCE, THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE QUANTITIES OF EACH WINDOW TYPE.

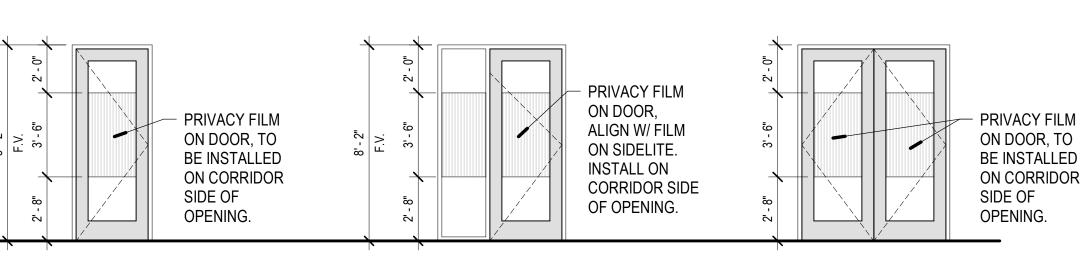


C5 DOOR ELEVATIONS

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



B5 DOOR FRAME TYPES



DOOR WITH SIDELITE

A5 PRIVACY FILM

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

SINGLE DOOR FULL LITE

DOUBLE DOOR FULL LITE

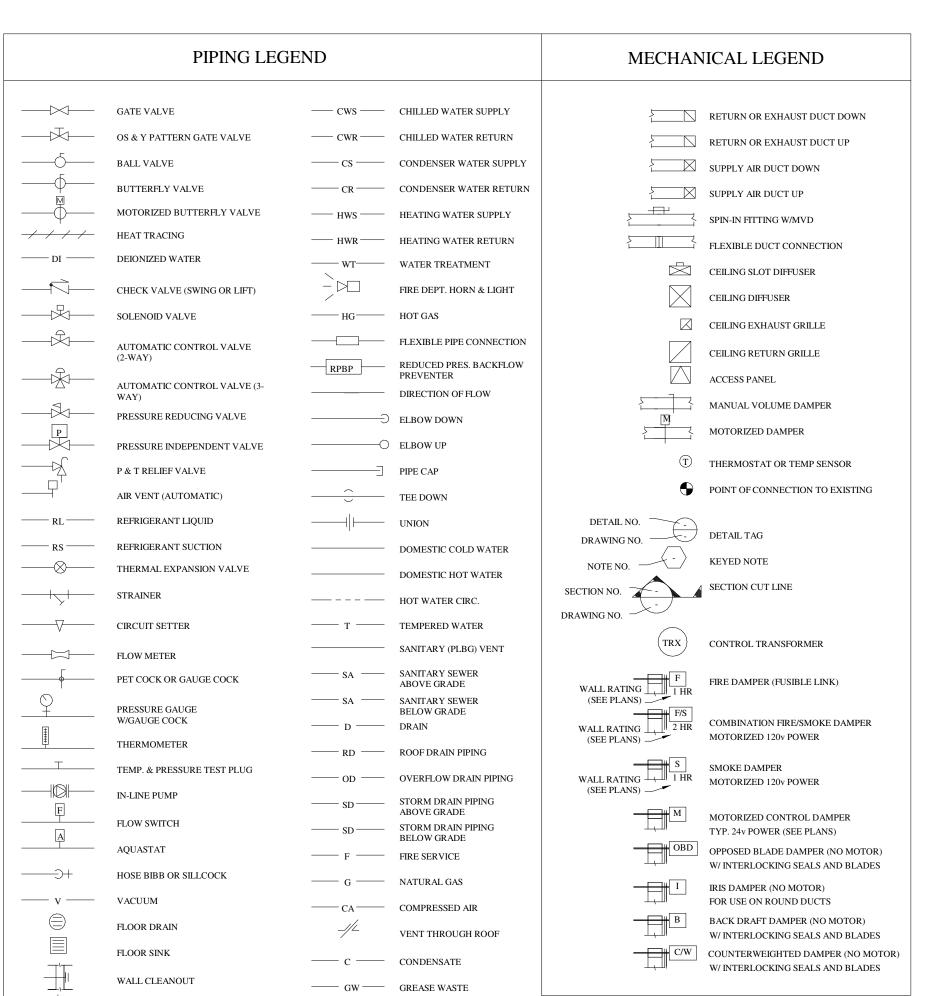
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DOOR SCHEDULE + ELEVATIONS



SNOWMELT PIPING @ 8" O.C.

–24" X 24" NOMINAL—

TYPICAL OF ALL RETURN AIR GRILLES

OPEN END UP IN STRUCTURAL SPACE TO KEEP DUCT AS HIGH

INSIDE DUCT

W = WIDTH OF DUCT SHOWN ON PLANS

D = DEPTH OF DUCT

SHOWN ON PLANS

RETURN AIR GRILLE SOUND BOOT DETAIL

−12" X 24" NOMINAL -----

PIPING INSTALLED INSIDE PIPE

FLOOR OR GRADE CLEANOUT

1" DUCTBOARD —— PER NFPA 90. SEAL

M000 SCALE: NOT TO SCALE

OPEN END UP IN STRUCTURAL

SEAL ALL AROUND DUCT—

4 TRANSFER AIR DUCT DETAIL

M000 SCALE: NOT TO SCALE

PER UBC CHAPTER

43 REQUIREMENTS

SPACE TO KEEP DUCT AS HIGH

ALL JOINTS

GRADE CLEANOUT W/

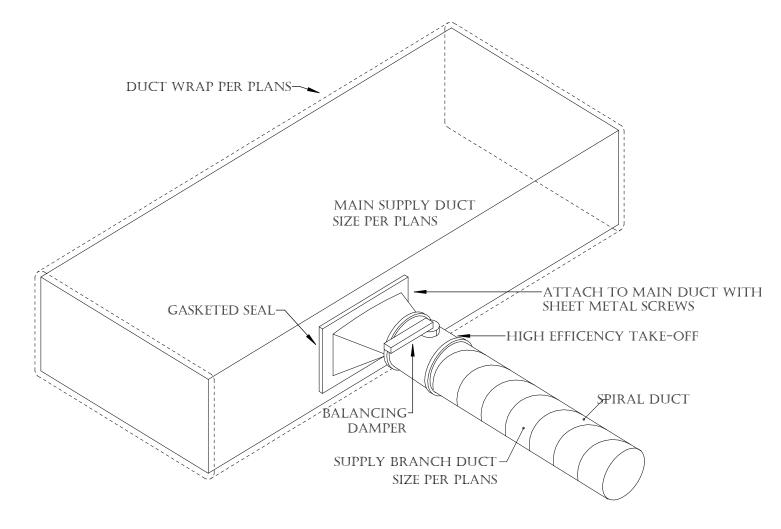
### PROJECT GENERAL NOTES

- 4. COORDINATE ALL FIRE SPRINKLER HEADS AND AIR DEVICE LOCATIONS WITH REFLECTED CEILING PLANS AND ELECTRICAL DRAWINGS.
- 5. DUCTWORK SHALL BE INSULATED AS FOLLOWS:
- D. ROUND FLEXIBLE DUCT (MAX 6' LONG)

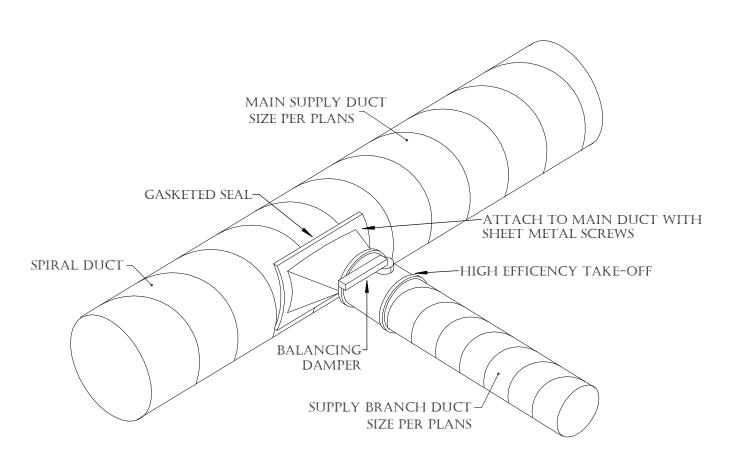
  N/A
- 6. ALL DUCT IS TO BE WRAPPED UP TO THE VAV'S. DUCTWORK DOWNSTREAM OF THE VAV'S IS TO BE LINED OR WRAPPED IF ROUND. NO

- 12. ALL VAV BOXES, RTU's, WATER FLOW RATES AND DIFFUSERS MUST BE BALANCED TO THE VALUES INDICATED ON THE FLOOR PLANS
- 13. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS
- 14. FIRE SPRINKLER CONTRACTOR SHALL ADD AND/OR RELOCATE SPRINKLER HEADS PER REFLECTED CEILING PLAN AND THE CURRENT
- 15. MECHANICAL CONTRACTOR IS TO COORDINATE WITH ELECTRICAL ON SIZE/QUANTITY OF MOTORIZED DAMPERS. I. E. FIRE/SMOKE DAMPERS, FIRE DAMPERS, MOTORIZED DAMPERS, ETC.
- 16. EACH TRADE IS RESPONSIBLE FOR THEIR OWN FIRE CAULKING.
- 17. M.C. MUST PROVIDE AND INSTALL ALL ACCESS DOORS FOR FCU's, VALVES, FLOW METERS, ETC. COORDINATE LOCATION WITH GENERAL

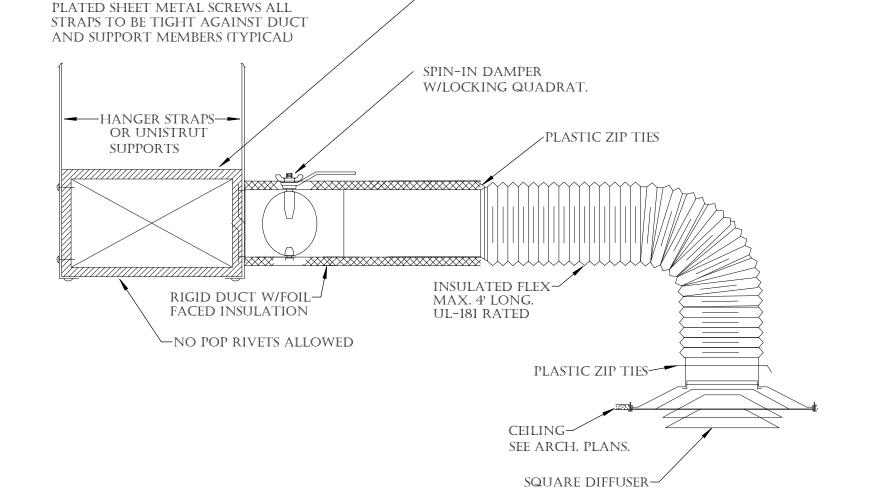
- 21. ALL THERMOSTAT LOCATIONS ON THE PLANS SHALL COORDINATED WITH FURNITURE PLANS AND VERIFIED WITH OWNER PRIOR TO ROUGH IN. IF THERMOSTAT NEEDS TO BE INSTALLED IN A LOCATION OTHER THAN SHOWN ON THE PLANS, THIS CONTRACTOR SHALL MAKE ADJUSTMENTS AT NO ADDITIONAL COST.



### HIGH EFFICIENCY DUCT TAKEOFF DETAIL SQUARE M000 SCALE: NOT TO SCALE



6 HIGH EFFICIENCY DUCT TAKEOFF DETAIL ROUND

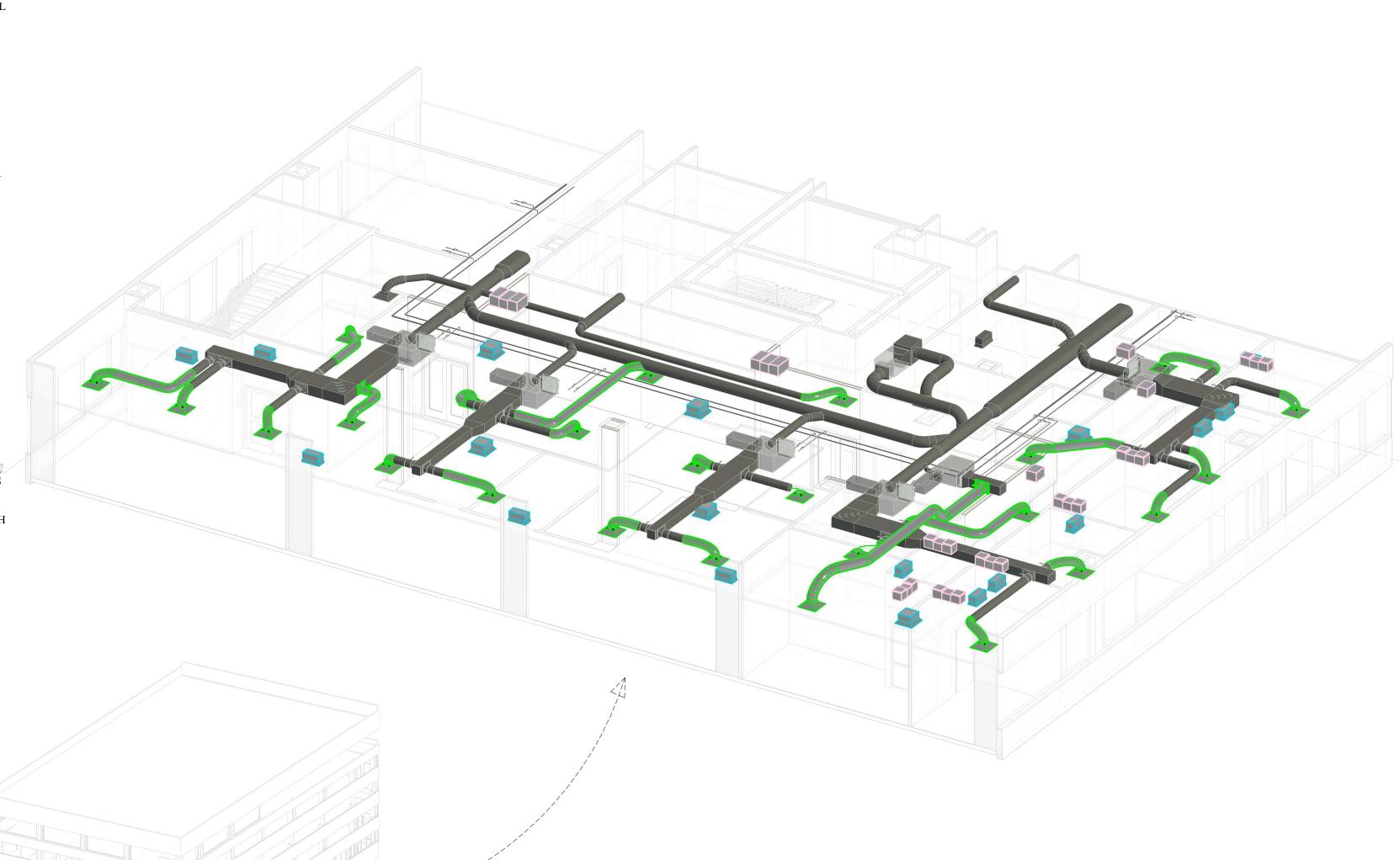


/INSULATED SHEET METAL DUCT

7 DIFFUSER MOUNTING DETAIL (SQUARE)

#10 X 3/4" SELF TAPPING CADMIUM

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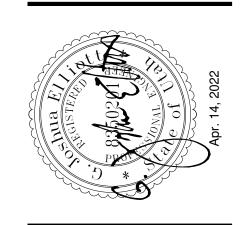


С	IFFUSER	S & GF	RILLE S	CHE	DULI	GRILLE — NUMBER	GRILLE
PLAN CODE	TYPE & DUTY	NECK SIZE	CEILING TYPE	N.C. LEVEL MAX	MAX. CFM	MANUFACTURER & MODEL NO.	REMARKS
RB-1	24" x 24" RADIAL BLADE SWIRL	8"ø	See Plans	29	225	AIR DIFFUSION PRODUCTS DNR	
RB-2	24" x 24" RADIAL BLADE SWIRL	10"ø	See Plans	30	355	AIR DIFFUSION PRODUCTS DNR	
RB-3	24" x 24" RADIAL BLADE SWIRL	12"ø	See Plans	30	510	AIR DIFFUSION PRODUCTS DNR	
RB-4	24" x 24" RADIAL BLADE SWIRL	14"ø	See Plans	30	705	AIR DIFFUSION PRODUCTS DNR	
PR-1	12" x 24" PERFORATED RETURN GRILLE	10" x 22"	See Plans	15	764	PRICE PDR SERIES	
PR-2	24" x 24" PERFORATED RETURN GRILLE	20" x 20"	See Plans	17	1681	PRICE PDR SERIES	

PROVIDE WITH OBD AND SQUARE TO ROUND ADAPTER WHERE APPLICABLE.

Mechanical Sheet List							
Sheet #	Sheet Name	<b>Issue Date</b>					
M000	General Notes & Legends	04/14/2022					
M221	Level 2 - Mechanical Plan	04/14/2022					

THE GENERAL CONTRACTOR IS FULLY RESPONSIBLE TO COORDINATE BETWEEN ALL TRADES AND ALL PLANS AND SPECS FROM ALL OTHER TRADES. EACH DIVISION CONTRACTOR IS ALSO FULLY RESPONSIBLE TO COORDINATE WITH THE OTHER TRADES AND COORDINATE WITH ALL TRADES DRAWINGS AND SPECS. IF THERE ARE ANY DISCREPANCIES, ITS THE CONTRACTORS RESPONSIBILITY TO REQUEST CLARIFICATION FROM OWNERS. ARCHITECT, AND ENGINEERS PRIOR TO PROCEEDING WITH ANY WORK AND/OR BID ESTIMATES. IF FAILED TO DO SO, GENERAL CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY COST IMPACT



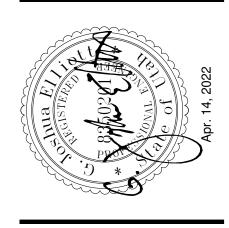




REV DATE DESCRIPTION

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REV DATE DESCRIPTION

VCBO NUMBER: PVE 15006.08 **CLIENT NUMBER:** 

**DATE:** Apr. 14, 2022

	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 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	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
MATCH LINE SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
XXX EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING ME	ETHODS
	WIRING.
<u></u>	WIRING TURNED UP OR TOWARDS OBSERVER.
	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.
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. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
+	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
HC	ADA ACCESS PUSH PLATE
Φ	JUNCTION BOX.
Фс	JUNCTION BOX, CEILING.
$\mathbb{Q}_{SC}$	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
Φ <sub>SP</sub>	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.
—J——J—	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT

MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT

SCHEDULE FOR REQUIREMENTS.

	SYMBOLS LÉGEND
SYMBOL	DESCRIPTION
WIRING DE	EVICES
ф	RECEPTACLE, DUPLEX: NEMA 5-20R.
	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLE
∯ DF	RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
₩w	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
#	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
Ф	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.
#	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
#	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
<u> </u>	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	RECEPTACLE, DRYER: NEMA 14-30R.
₩ ₩R	RECEPTACLE, RANGE: NEMA 14-50R.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
(D)	DROP CORD. SEE DETAIL.
	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL
FB#	SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS.
PT#	REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
Ф	SWITCH, DIMMER.
Х \$	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
X \$2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED
X \$3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
X \$4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
\$T	SWITCH, TIMER OPERATED.
⊕ т	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
<u></u>	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
LIGHTING	<u>I</u>
(W-3)	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK,
	CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
EM	EMERGENCY.
NL	NIGHT LIGHT: DO NOT SWITCH.
<b>↑</b>	EGRESS DIRECTION ARROW (EXIT SIGNS).
$\otimes$	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
<b>▼ ●</b>	EXIT SIGN: SINGLE FACE; WALL MOUNTED
•	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
•	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING (	CONTROL
*	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
(P)	PHOTOCELL.
<u> </u>	VACANCY SENSOR, DUAL TECHNOLOGY,
•	OMNI-DIRECTIONAL, CEILING.  VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
<u> </u>	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, W.
\$ 	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL
** ***********************************	DIMMER SWITCH/OCCUPANCY SENSOR COMBO,
 ₩	DUAL TECHNOLOGY, WALL.  DIMMER SWITCH/VACANCY SENSOR
	COMBO, DUAL TECHNOLOGY, WALL.  LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER
a,b	"a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS,

"a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION

LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE

AND PROGRAMMING REQUIREMENTS)

DIGITAL LIGHTING ROOM CONTROLLER

SCHEDULE / DIAGRAM.

DIGITAL LIGHTING DIMMING CONTROLLER

SYMBOL	DESCRIPTION
ELECTRICA	AL POWER AND DISTRIBUTION
	DISCONNECT SWITCH, FUSED.
□-	DISCONNECT SWITCH, UNFUSED.
<u></u>	STARTER, COMBINATION WITH DISCONNECT SWITCH.
<u> </u>	STARTER OR MOTOR CONTROLLER.
<u> </u>	PUSHBUTTON.
<u> </u>	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.  DISTRIBUTION PANEL OR SWITCHBOARD.
DP#_	
LP .	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.  SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD
\$ST	PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
FIRE ALAR	<b>M</b> T
FAA	FIRE ALARM ANNUNCIATOR PANEL.
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
СМ	CONTROL MODULE.
MM	MONITOR MODULE.
F	FIRE ALARM MANUAL PULL STATION.
R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
2	MAGNETIC DOOR HOLDER.
<b>S</b>	DETECTOR, SMOKE.
5	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
L <sub>SD</sub>	SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
       FSD	COMBINATION FIRE/SMOKE DAMPER. 120V POWER FROM ELECTRICAL SYSTEM.
	DETECTOR, HEAT.
(co)	DETECTOR, CARBON MONOXIDE.
$oxed{\boxtimes}$	STROBE, WALL MOUNTED.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
75	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	SUBSCRIPT INDICATES CANDELA RATING.  SPEAKER, WALL MOUNTED, EVACUATION.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE.
<u> </u>	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION
	STROBE. SUBSCRIPT INDICATES CANDELLA RATING.  ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED.
75	SUBSCRIPT INDICATES CANDELA RATING.  ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES
75	CANDELA RATING.  SPEAKER/STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES
75	CANDELA RATING.
	SPEAKER, CEILING MOUNTED.
<b>⊗</b> 75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
SECURITY	
#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
CR	CARD READER.
□	BUZZER.

CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.

PT6 FIRE RATED 6" POWER/DATA POKE-THRU

	1 1 2 2 3 3 4 4 4 4 4 4 A A	=	SINGLE POLE SINGLE-PHASE ONE-WAY TWO-CONDUCTOR TWO-WAY THREE-CONDUCTOR THREE-WAY QUADRUPLE RECEPTACLE OUTLET FOUR-POLE DOUBLE THROW	kV kVA kVAR kW kWh LED LFMC	KILOVOLT KILOVOLT AMPERE KILOVOLT AMPERE REACTIVE KILOWATT KILOWATT HOUR
	1 2 2 3 3 4 4 4 4 4 4 A A	WAY //C //C //WAY //C //C //WAY //C //C //C //C //C //C //C //C //C //	ONE-WAY TWO-CONDUCTOR TWO-WAY THREE-CONDUCTOR THREE-WAY QUADRUPLE RECEPTACLE OUTLET FOUR-POLE DOUBLE THROW	kVAR kW kWh LED	KILOVOLT AMPERE REACTIVE KILOWATT KILOWATT HOUR
	2 2 3 3 4 4 4 4 4 4 A A	WAY WAY OUT PDT PST W WAY	TWO-CONDUCTOR TWO-WAY THREE-CONDUCTOR THREE-WAY QUADRUPLE RECEPTACLE OUTLET FOUR-POLE DOUBLE THROW	kW kWh LED	KILOWATT KILOWATT HOUR
	3 3 4 4 4 4 4 A A	PDT PST WAY	THREE-CONDUCTOR THREE-WAY QUADRUPLE RECEPTACLE OUTLET FOUR-POLE DOUBLE THROW	LED	
	3 4 4 4 4 4 A A	OUT PDT PST W WAY	THREE-WAY QUADRUPLE RECEPTACLE OUTLET FOUR-POLE DOUBLE THROW		LIGHT EMITTING DIODE
	4 4 4 A A	PDT PST W WAY	OUTLET FOUR-POLE DOUBLE THROW		LIQUID TIGHT FLEXIBLE METAL
	4 4 4 A A	PST W WAY	FOUR-POLE DOUBLE THROW	LFNC	CONDUIT LIQUID TIGHT FLEXIBLE
	4 4 A A	WAY		_	NONMETALLIC CONDUIT
	4 A A	WAY	FOUR-POLE SINGLE THROW FOUR-WIRE	LPS LRA	LOW PRESSURE SODIUM LOCKED ROTOR AMPS
	A	=	FOUR-WAY	LTG	LIGHTING
	A	C	ABOVE COUNTER ARMORED CABLE	LV MATV	LOW VOLTAGE MASTER ANTENNA TELEVISION
	A	NDA	AMERICANS WITH DISABILITIES		SYSTEM
		λDJ	ACT ADJACENT	MAX MC	MAXIMUM METAL CLAD
	ı	FF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCUIT AMPS
	ı	NFG NC	ABOVE FINISHED GRADE  AMPERE INTERRUPTING	MCB MCC	MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER
			CAPACITY	MCP	MOTOR CIRCUIT PROTECTION
		LUM MP	ALUMINUM AMPERE	MDP MG	MAIN DISTRIBUTION PANEL MOTOR GENERATOR
	ı	NN	ANNUNCIATOR	MH	MANHOLE
≣.		ΛP	ACCESS POINT (WIRELESS DATA)	MIN MLO	MINIMUM MAIN LUGS ONLY
		NR NSC	AS REQUIRED  AMPS SHORT CIRCUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
	'	TS	AUTOMATIC TRANSFER	MTS	MANUAL TRANSFER SWITCH
		١V	SWITCH AUDIO VISUAL	NA	NOT APPLICABLE
	ı	WG	AMERICAN WIRE GAGE	NC NEC	NORMALLY CLOSED  NATIONAL ELECTRICAL CODE
		BB (FMR	BUCK-BOOST TRANSFORMER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS
	В	BFF	BELOW FINISHED FLOOR		ASSOCIATION
	В	BFG :	BELOW FINISHED GRADE CEILING MOUNTED	NFC NFPA	NATIONAL FIRE CODE NATIONAL FIRE PROTECTION
		CATV	COMMUNITY ANTENNA		ASSOCIATION
		В	TELEVISION CIRCUIT BREAKER	NIC NL	NOT IN CONTRACT NIGHT LIGHT
	I -	СВА	CUSTOM COLOR AS SELECTED BY ARCHITECT	NO	NORMALLY OPEN
		CTV	CLOSED CIRCUIT TELEVISION	NTS OC	NOT TO SCALE ON CENTER
	C	CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	OCP	OVER CURRENT PROTECTION
	C	F/OI	CONTRACTOR FURNISHED/	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
		FBA	OWNER INSTALLED CUSTOM FINISH AS SELECTED	OF/OI	OWNER FURNISHED/ OWNER INSTALLED
			BY ARCHITECT	OFP	OBTAIN FROM PLANS
	_	CKT CM	CIRCUIT CONSTRUCTION MANAGER	OH DR OL	OVERHEAD (COILING) DOOR OVERLOAD
		CND	CONDUIT	PB	PUSHBUTTON
		O OR	CONVENIENCE OUTLET CONTRACTING OFFICER'S	PF PH	POWER FACTOR PHASE
		P	REPRESENTATIVE CONTROL PANEL	PNL	PANEL
	I -	)T	CURRENT TRANSFORMER	PT PTZ	POTENTIAL TRANSFORMER PAN/TILT/ZOOM
		CTV CU	CABLE TELEVISION COPPER	QTY	QUANTITY
	_	BA	UNIT OF SOUND LEVEL	R RCP	REMOVE REFLECTED CEILING PLAN
		PDT	DOUBLE POLE, DOUBLE THROW	RMC	RIGID METAL CONDUIT
	ı	)S	DISCONNECT SWITCH	RNC RPM	RIGID NONMETAL CONDUIT REVOLUTIONS PER MINUTE
	-	EA EM	EACH EMERGENCY	RR	REMOVE AND RELOCATE
		MT	ELECTRICAL METALLIC TUBING	S/S SCA	START/STOP SHORT CIRCUIT AMPS
		NT	ELECTRIC NONMETALLIC TUBING	SCBA	STANDARD COLOR AS
		PO	EMERGENCY POWER OFF	SF	SELECTED BY ARCHITECT SQUARE FOOT (FEET)
		QUIP X	EQUIPMENT EXISTING	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
	F		FURNITURE MOUNTED FIRE ALARM	SPD	SURGE PROTECTIVE DEVICE
		A CP	FIRE ALARM CONTROL PANEL	SPDT	SINGLE POLE, DOUBLE THROW SPECIFICATION
		LA	FULL LOAD AMPS	SPEC SPST	SINGLE POLE, SINGLE THROW
		MC OB	FLEXIBLE METAL CONDUIT FREIGHT ON BOARD	ST	SINGLE THROW
	F	VNR	FULL VOLTAGE NON-REVERSING	SWBD SWGR	SWITCHBOARD SWITCHGEAR
	F	VR	FULL VOLTAGE REVERSING	TL	TWIST LOCK
		SEN SFCI	GENERATOR GROUND FAULT INTERRUPTER	TP TP	TELEPHONE POLE TWISTED PAIR
E.		SFP	GROUND FAULT PROTECTION	TTB	TELEPHONE TERMINAL BOARD
<u> </u>		SND	GROUND HEAVY DUTY	TV TVSS	TELEVISION TRANSIENT VOLTAGE SURGE
		ID IID	HEAVY DUTY HIGH INTENSITY DISCHARGE	T)/D	SUPPRESSER
		AOA	HAND-OFF-AUTOMATIC	TYP UF	TYPICAL UNDERFLOOR
		IP IPF	HORSE POWER HIGH POWER FACTOR	UGND	UNDERGROUND
		IPS	HIGH PRESSURE SODIUM	UPS	UNINTERRUPTIBLE POWER SUPPLY
		IV IZ	HIGH VOLTAGE HERTZ	V	VOLTS
	1/	<b>O</b>	INPUT/ OUTPUT	VA VFC/VF	
		G MC	ISOLATED GROUND INTERMEDIATE METAL	D W/	CONTROLLER WITH
			CONDUIT	W/O	WITHOUT
	IF	N/IS R	INSULATED/ ISOLATED INFRARED	WP XFMR	WEATHERPROOF TRANSFORMER
	J	-BOX	JUNCTION BOX	ZW IVII V	
				<u> </u>	

		NOTE: ALL ABBREVIATI	TIONS MAY NOT BE USED.			
	1P	SINGLE POLE	kV	KILOVOLT		
	1PH	SINGLE-PHASE	kVA	KILOVOLT AMPERE		
	1WAY 2/C	ONE-WAY TWO-CONDUCTOR	kVAR kW	KILOVOLT AMPERE REACTIVE KILOWATT		
	2WAY	TWO-WAY	kWh	KILOWATT HOUR		
	3/C 3WAY	THREE-CONDUCTOR THREE-WAY	LED	LIGHT EMITTING DIODE LIQUID TIGHT FLEXIBLE METAL		
	4OUT	QUADRUPLE RECEPTACLE	LFMC	CONDUIT		
	4DDT	OUTLET	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT		
	4PDT 4PST	FOUR-POLE DOUBLE THROW FOUR-POLE SINGLE THROW	LPS	LOW PRESSURE SODIUM		
	4W	FOUR-WIRE	LRA LTG	LOCKED ROTOR AMPS LIGHTING		
	4WAY A	FOUR-WAY ABOVE COUNTER	LTG	LOW VOLTAGE		
,	AC	ARMORED CABLE	MATV	MASTER ANTENNA TELEVISION SYSTEM		
4	ADA	AMERICANS WITH DISABILITIES ACT	MAX	MAXIMUM		
	ADJ	ADJACENT	MC	METAL CLAD		
	AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	MCA MCB	MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER		
	AIC	AMPERE INTERRUPTING	MCC	MOTOR CONTROL CENTER		
	ALUM	CAPACITY ALUMINUM	MCP MDP	MOTOR CIRCUIT PROTECTION MAIN DISTRIBUTION PANEL		
	AMP	AMPERE	MG	MOTOR GENERATOR		
	ANN AP	ANNUNCIATOR ACCESS POINT (WIRELESS	MH MIN	MANHOLE MINIMUM		
	-	DATA)	MLO	MAIN LUGS ONLY		
	AR ASC	AS REQUIRED  AMPS SHORT CIRCUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION		
	ATS	AUTOMATIC TRANSFER	MTS	MANUAL TRANSFER SWITCH		
	AV	SWITCH AUDIO VISUAL	NA NC	NOT APPLICABLE NORMALLY CLOSED		
,	AWG	AMERICAN WIRE GAGE	NEC NEC	NATIONAL ELECTRICAL CODE		
	BB XFMR	BUCK-BOOST TRANSFORMER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS		
l	BFF	BELOW FINISHED FLOOR		ASSOCIATION		
	BFG C	BELOW FINISHED GRADE CEILING MOUNTED	NFC NFPA	NATIONAL FIRE CODE NATIONAL FIRE PROTECTION		
	CATV	COMMUNITY ANTENNA		ASSOCIATION		
	СВ	TELEVISION CIRCUIT BREAKER	NIC NL	NOT IN CONTRACT NIGHT LIGHT		
	CCBA	CUSTOM COLOR AS SELECTED	NO	NORMALLY OPEN		
	CCTV	BY ARCHITECT CLOSED CIRCUIT TELEVISION	NTS OC	NOT TO SCALE ON CENTER		
	CF/CI	CONTRACTOR FURNISHED/	OCP	OVER CURRENT PROTECTION		
	CF/OI	CONTRACTOR INSTALLED CONTRACTOR FURNISHED/	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED		
		OWNER INSTALLED	OF/OI	OWNER FURNISHED/ OWNER		
	CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OFP	INSTALLED OBTAIN FROM PLANS		
	CKT	CIRCUIT	OH DR	OVERHEAD (COILING) DOOR		
	CM CND	CONSTRUCTION MANAGER CONDUIT	OL PB	OVERLOAD PUSHBUTTON		
	CO	CONVENIENCE OUTLET	PF PB	POWER FACTOR		
	COR	CONTRACTING OFFICER'S REPRESENTATIVE	PH	PHASE		
	CP	CONTROL PANEL	PNL PT	PANEL POTENTIAL TRANSFORMER		
	CT CTV	CURRENT TRANSFORMER CABLE TELEVISION	PTZ	PAN/TILT/ZOOM		
	CU	COPPER	QTY R	QUANTITY REMOVE		
	dBA DPDT	UNIT OF SOUND LEVEL DOUBLE POLE, DOUBLE	RCP	REFLECTED CEILING PLAN		
		THROW	RMC RNC	RIGID METAL CONDUIT RIGID NONMETAL CONDUIT		
	DS EA	DISCONNECT SWITCH EACH	RPM	REVOLUTIONS PER MINUTE		
	EM	EMERGENCY	RR S/S	REMOVE AND RELOCATE START/STOP		
	EMT ENT	ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC	SCA	SHORT CIRCUIT AMPS		
		TUBING	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT		
	EPO EQUIP	EMERGENCY POWER OFF EQUIPMENT	SF	SQUARE FOOT (FEET)		
	EX	EXISTING	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT		
	F FA	FURNITURE MOUNTED FIRE ALARM	SPD	SURGE PROTECTIVE DEVICE		
	FCP	FIRE ALARM CONTROL PANEL	SPDT SPEC	SINGLE POLE, DOUBLE THROW SPECIFICATION		
	FLA	FULL LOAD AMPS	SPST	SINGLE POLE, SINGLE THROW		
	FMC FOB	FLEXIBLE METAL CONDUIT FREIGHT ON BOARD	ST	SINGLE THROW		
	FVNR	FULL VOLTAGE	SWBD SWGR	SWITCHBOARD SWITCHGEAR		
	FVR	NON-REVERSING FULL VOLTAGE REVERSING	TL	TWIST LOCK		
	GEN	GENERATOR	TP TP	TELEPHONE POLE TWISTED PAIR		
	GFCI GFP	GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION	TTB	TELEPHONE TERMINAL BOARD		
	GND	GROUND	TV TVSS	TELEVISION TRANSIENT VOLTAGE SURGE		
	HD HID	HEAVY DUTY HIGH INTENSITY DISCHARGE		SUPPRESSER		
	HOA	HAND-OFF-AUTOMATIC	TYP UF	TYPICAL LINDERELOOP		
	HP upc	HORSE POWER	UF UGND	UNDERFLOOR UNDERGROUND		
	HPF HPS	HIGH POWER FACTOR HIGH PRESSURE SODIUM	UPS	UNINTERRUPTIBLE POWER SUPPLY		
		HIGH VOLTAGE	V	VOLTS		
	HV		VA	VOLT AMPERE		
	HZ	HERTZ INPUT/ OUTPUT				
	HZ I/O IG	INPUT/ OUTPUT ISOLATED GROUND	VFC/VF D			
	HZ I/O	INPUT/ OUTPUT	VFC/VF D W/	VARIABLE FREQUENCY MOTOR CONTROLLER WITH		
	HZ I/O IG IMC	INPUT/ OUTPUT ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSULATED/ ISOLATED	VFC/VF D	VARIABLE FREQUENCY MOTOR CONTROLLER		
	HZ I/O IG IMC	INPUT/ OUTPUT ISOLATED GROUND INTERMEDIATE METAL CONDUIT	VFC/VF D W/ W/O	VARIABLE FREQUENCY MOTOR CONTROLLER WITH WITHOUT		

### GENERAL ELECTRICAL NOTES

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.

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 AV ROUGH-IN SCHEDULE AND GENERAL NOTES EE501 ELECTRICAL DETAILS EE701 TYPICAL MOUNTING HEIGHT DETAILS ED102 LEVEL 2 ELECTRICAL DEMOLITION PLAN EP102 LEVEL 2 POWER PLAN EL102 LEVEL 2 LIGHTING PLAN EL601 INTERIOR LIGHTING FIXTURE SCHEDULE ET102 LEVEL 2 TELECOM PLAN ET401 ENLARGED TELECOM PLANS ET501 TELECOM EQUIPMENT RACK ELEVATIONS ET502 TELECOM DETAILS ET601 TELECOM RISER DIAGRAMS EY102 LEVEL 2 AUXILIARY PLAN EJ102 LEVEL 2 AV ROUGH-IN PLAN

## **DEFINITIONS**

TA001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

NOTE: ALL DEFINITIONS MAY NOT BE USED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED",

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

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FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS." INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION,

CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS." PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

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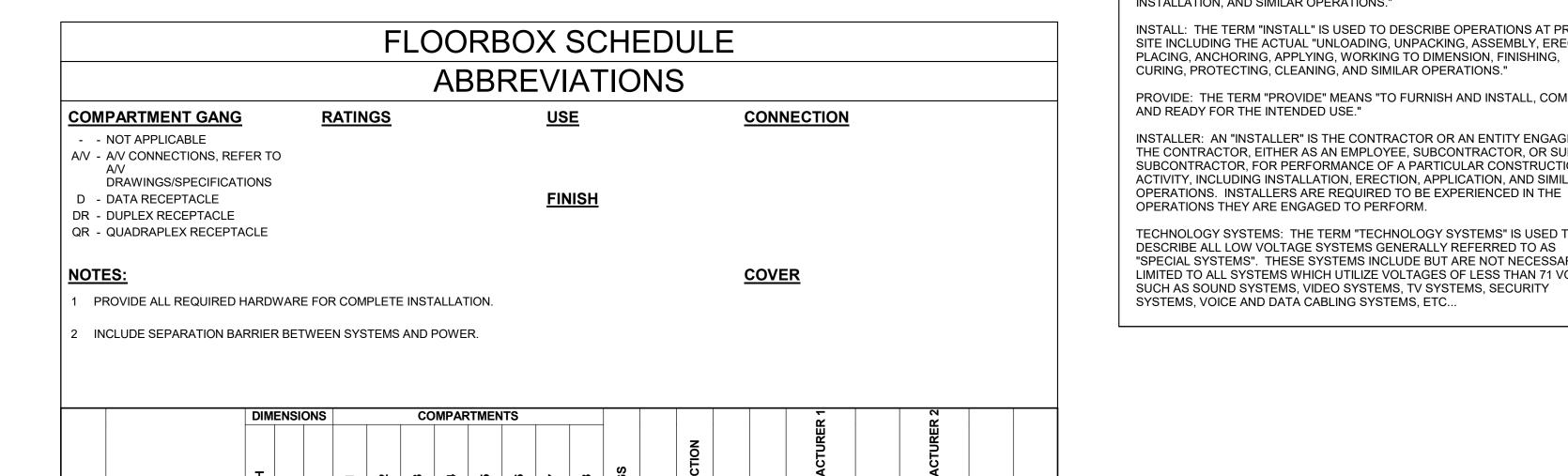
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COPPER PATCH CORD SCHEDULE									
(CATEGORY 6A UTP CABLES W/RJ-45 CONNECTORS)									
LENGTH (FEET) COLOR QUANTITY UNIT COST (E									
5'	BLUE	20% OF TOTAL PORTS IN TDR'S							
7'	BLUE	60% OF TOTAL PORTS IN TDR'S							
10'	BLUE	20% OF TOTAL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

# **EQUIPMENT/CABLE 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 CABLING 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. SYMBOL ITEM DESCRIPTION ACCEPTABLE TYPES STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, BLUE, DATA SIEMON 9A6P4-A5-06-R1A STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, YELLOW, WIRELESS DATA SIEMON 9A6P4-A5-05-R1A DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION SIEMON 10GMX-FPS02-02 CATEGORY 6A JACK - DATA, BLUE SIEMON Z6A-S06 DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION SIEMON MX-SMZ2-02 CATEGORY 6A JACK - DATA, YELLOW SIEMON Z6A-S05 SPP1 48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS SIEMON Z6AS-PA-48 NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

### CABLE/OUTLET COLOR SCHEDULE

	CABLE/OUTLET COLOR SCHEDULE
COLOR	TYPE
BLACK	TV COAX
BLUE	ANALOG PHONE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
GREY	SECURITY CARD READERS
ORANGE	CLINICAL ENGINEERING / NURSE CALL
RED	FIRE SYSTEMS
RED	FORESEER
WHITE	PUBLIC ADDRESS
YELLOW	WIRELESS
GREEN	VENDOR NETWORK

# ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

AUGMENTED
CATEGORY
ENHANCED
A EACH
ER EQUIPMENT RO
PP FIBER PATCH P
GIG GIGA HERTZ

EACH
EQUIPMENT ROOM
P FIBER PATCH PANEL
G GIGA HERTZ
WM HORIZONTAL WIRE MANAGEMENT
NOT IN CONTRACT

OE OWNER ELECTRONICS
PNM PLENUM
PR PAIR
PS POWER SUPPLY
RPP RISER PATCH PANEL

RPP RISER PATCH PANEL
SPP STATION PATCH PANEL
TDR TELECOMMUNICATIONS DISTRIBUTION ROOM
TYP TYPICAL
VWM VERTICAL WIRE MANAGEMENT

## DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE

AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION,

PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION,

PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

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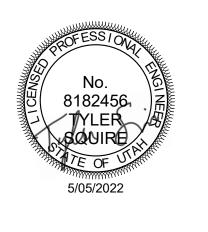
### GENERAL PROJECT NOTES

- 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
- 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
- 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.
- PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- 8. RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NO RACK SPACE ALLOCATED PLEASE CALL BOE SAUSEDO AT
- 9. ENSURE ALL BASKET TRAY AND COMMUNICATIONS CONDUITS HAVE BEEN GROUNDED TO THE TEC/TDR, USING A MINIMUM #6 CU.
- 10. CONTRACTOR TO LOOSELY BUNDLE ALL CABLES TOGETHER BY FLOOR OR ORIGINATION.

801-707-3805

- 11. FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE AND 3'-0" OF EXCESS CABLE AT THE TDR END. NEATLY COIL AND SECURE CABLE ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
- COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT OR INCIDENTAL OVERSPRAY.





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TELECOM SCHEDULES AND NOTES

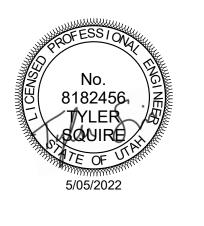
	AV RACEWAY	SYSTEMS SCHEDU	JLE
SYMBOL	DESCRIPTION	MOUNTING	SPECIAL INSTRUCTIONS
2B	JUNCTION BOX FOR AV CONNECTION PANEL, 4-11/16" BOX WITH A 2-GANG MUD RING, MAXIMUM DEPTH FOR STUD SPACE	FLUSH IN THE WALL AT ELECTRICAL OUTLET HEIGHT, EXCEPT WHERE NOTED	
ВР	JUNCTION BOX FOR BUTTON PANEL, 4-11/16" BOX WITH A 1-GANG MUD RING, MAXIMUM DEPTH FOR STUD SPACE	FLUSH IN THE WALL AT ELECTRICAL SWITCH HEIGHT	
TP	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	
S	SPEAKER ENCLOSURE; ATLAS SOUND FA97-6 W/ FA81-6 OR FA-TR-6	FLUSH IN THE FINISHED CEILING	PROVIDE THE FA97-6 & FA81-8 IN LAY-IN CEILING TILE AREAS, PROVIDE THE FA97-6 & FA-TR6 IN GYPSUM BOARD CEILING AREAS
H	JUNCTION BOX FOR CAMERA 4-11/16" BOX WITH 2-GANG MUD RING, MAXIMUM DEPTH FOR STUD SPACE	FLUSH IN THE WALL AT 84" AFF	
	CONDUIT STUB WITH NYLON BUSHING FOR INVERTED CAMERA	TO STRUCTURE OR JOIST	TERMINATE CONDUIT TO WITHIN 4" OF CAMERA ATTACHMENT POINT TO STRUCTURE
•	JUNCTION BOX FOR PROJECTOR 1-GANG	FLUSH IN THE FINISHED CEILING	INSTALL IN THE SPECIFIED LAY-IN CEILING TILE BRIDGE, COORDINATE WITH THE AV INSTALLER
	PROJECTION SCREEN, RECESS MOUNTED ELECTRIC ROLL-UP W/ TENSION CABLES, UP/DOWN CONTROL SWITCH AND LOW VOLTAGE CONTROL INTERFACE. DALITE TENSIONED ADVANTAGE SERIES, 16:9 ASPECT RATIO WITH HD PROGRESSIVE 1.1 PROJECTION SURFACE AND 24" OF BLACK DROP FOR 116"X72" IMAGE SIZE.	FLUSH IN THE FINISHED CEILING	TERMINATE CONTROL CABLE CONDUIT TO PROJECTION SCREEN ENCLOSURE.
UD	JUNCTION BOX FOR PROJECTION SCREEN UP/DOWN SWITCH, 4-11/16" BOX WITH A 1-GANG MUD RING, MAXIMUM DEPTH FOR STUD SPACE	FLUSH IN THE WALL AT ELECTRICAL SWITCH HEIGHT	COORDINATE INSTALLATION LOCATIONS WITH LIGHT SWITCHES AND WRITING SURFACES
	CONDUIT, 3/4" MINMUM EMT	CONCEALED BEHIND FINISHED SURFACES, UNLESS NOTED OTHERWISE	REFER TO RISER DIAGRAMS FOR EXACT SIZES & QUANTITIES
M#	LARGE CAPACITY JUNCTION BOX FOR LARGE SCREEN MONITOR, WITH TRIM RING AND COVER: LEGRAND (CHIEF) PAC-526FCW, ARCHITECT TO SELECT COLOR	FLUSH IN THE WALL, COORDINATE MOUNTING HEIGHT WITH THE ELEVATION SHOWN IN THE ARCHITECTURAL DRAWINGS	
	AV EQUIPMENT RACK, NO REQUIREMENT		FURNISHED AND INSTALLED BY AV CONTRACTOR

### AV ROUGH-IN SHEET INDEX EJ102 LEVEL 2 AV ROUGH-IN PLAN

### GENERAL A/V NOTES

- 1. IF THE ENCLOSURES, BOXES & CABINETS SPECIFIED ARE NOT PROVIDED FROM MANUFACTURER, WITH THE REQUIRED KNOCK OUTS FOR THE SPECIFIED CONDUIT, FIELD CUT ALL REQUIRED KNOCK OUTS TO TERMINATE THE QUANTITY AND SIZES FOR THE SPECIFIED CONDUITS.
- . MAINTAIN MAXIMUM SEPARATION BETWEEN AV SYSTEM CONDUIT AND ALL POWER CONDUIT.
- 3. INSTALL NYLON PULL STRING IN ALL AV SYSTEM CONDUIT.
- 4. INSTALL ALL CONDUIT IN A CONCEALED FASHION. SURFACE MOUNTED CONDUIT WILL NOT BE ACCEPTED UNLESS SPECIFICALLY IDENTIFIED IN DRAWINGS.
- 5. ABBREVIATIONS
- AFF ABOVE FINISHED FLOOR C - CONDUIT (EMT) EA - EACH
- 6. COVER ALL INSTALL JUNCTION BOXES WITH BLANK COVER PLATES.
- 7. COORDINATE SPECIFIC LOCATION OF LECTERN CONDUIT STUBS WITH ARCHITECTURAL DRAWINGS.



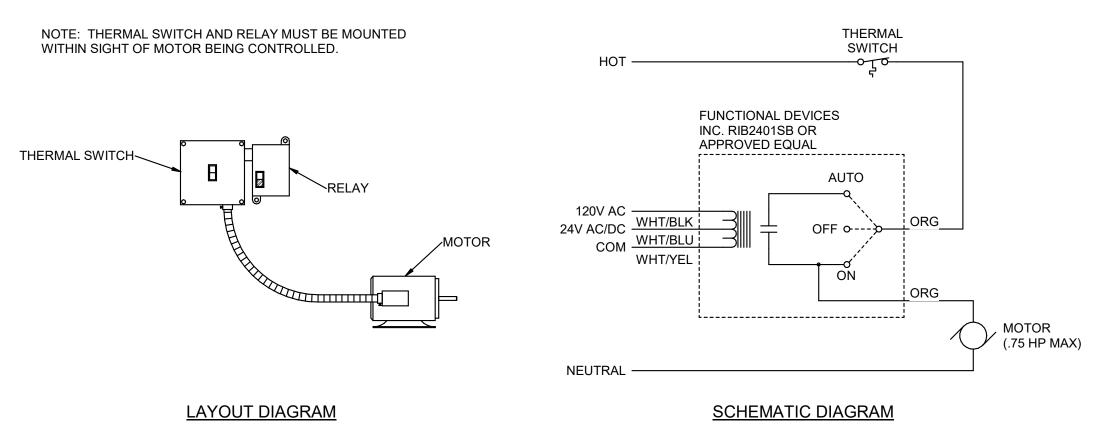




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NOTE: TIE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM. -BEAM, CLAMP OR-HANGER CLAMP AS REQUIRED BY WEIGHT SUPPORTED .5" THROUGH 1" —ALL THREAD - SIZE AS REQUIRED ---RACEWAY, .5" THROUGH 6" BEAM, CLAMP OR HANGER CLAMP AS REQUIRED BY WEIGHT SUPPORTED TYPICAL RACEWAY SUPPORT METHODS DETAIL

SCALE: 1/8" = 1'-0" NOTE: THERMAL SWITCH AND RELAY MUST BE MOUNTED THERMAL WITHIN SIGHT OF MOTOR BEING CONTROLLED. SWITCH



A3 120V FRACTIONAL MOTOR CONTROL SCALE: 1/8" = 1'-0"

LAY-IN CEILING GRID SYSTEM RECESSED TROFFER RECESSED FIXTURE MOUNTING DETAIL

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

—PROVIDE CONDUIT SUPPORTS IN

AS REQUIRED FOR TYPE OF CONSTRUCTION.

TYPICAL \$

STRUCTURAL

BEAM, JOIST, SLAB, ETC.

ALL THREADED ROD -SIZE AS REQUIRED

RACEWAY .5" TO 6" (TYP)

FIXTURE CLAMP - PROVIDE ONE PER SIDE OF FIXTURE.

OUTLET BOX

ACCORDANCE WITH NEC SPACING REQUIREMENTS FOR TYPE OF RACEWAY REQUIRED.

<sup>√</sup>BAR STRAPS

BAR STRAPS

NOTES:

BEAM CLAMP, HANGER~ CLAMP OR APPROVED SUPPORT, AS REQUIRED BY WEIGHT SUPPORTED

CONDUIT CLAMP - .5" TO 1"~ UNISTRUT 2 PIECE CHANNEL PIPE STRAPS - 1.25" TO 6"

B5 TYPICAL CONDUIT RACK DETAIL

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

WIRE HANGER AT EACH CORNER OF FIXTURE (TYP)~

INDEPENDENT OF CEILING SUPPORT SYSTEM.

UNISTRUT CHANNEL - SIZE AS— REQUIRED BY WEIGHT SUPPORTED

OUTLET BOX

3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND

MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.

4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE OR LISTED, SOUND AND FIRE RATED PUTTY PADS SHALL BE USED ON THE OUTLET

5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS

MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

TYPICAL ROUGH-IN REQUIREMENTS DETAIL

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

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.

2. PLASTER RINGS NOT SHOWN.

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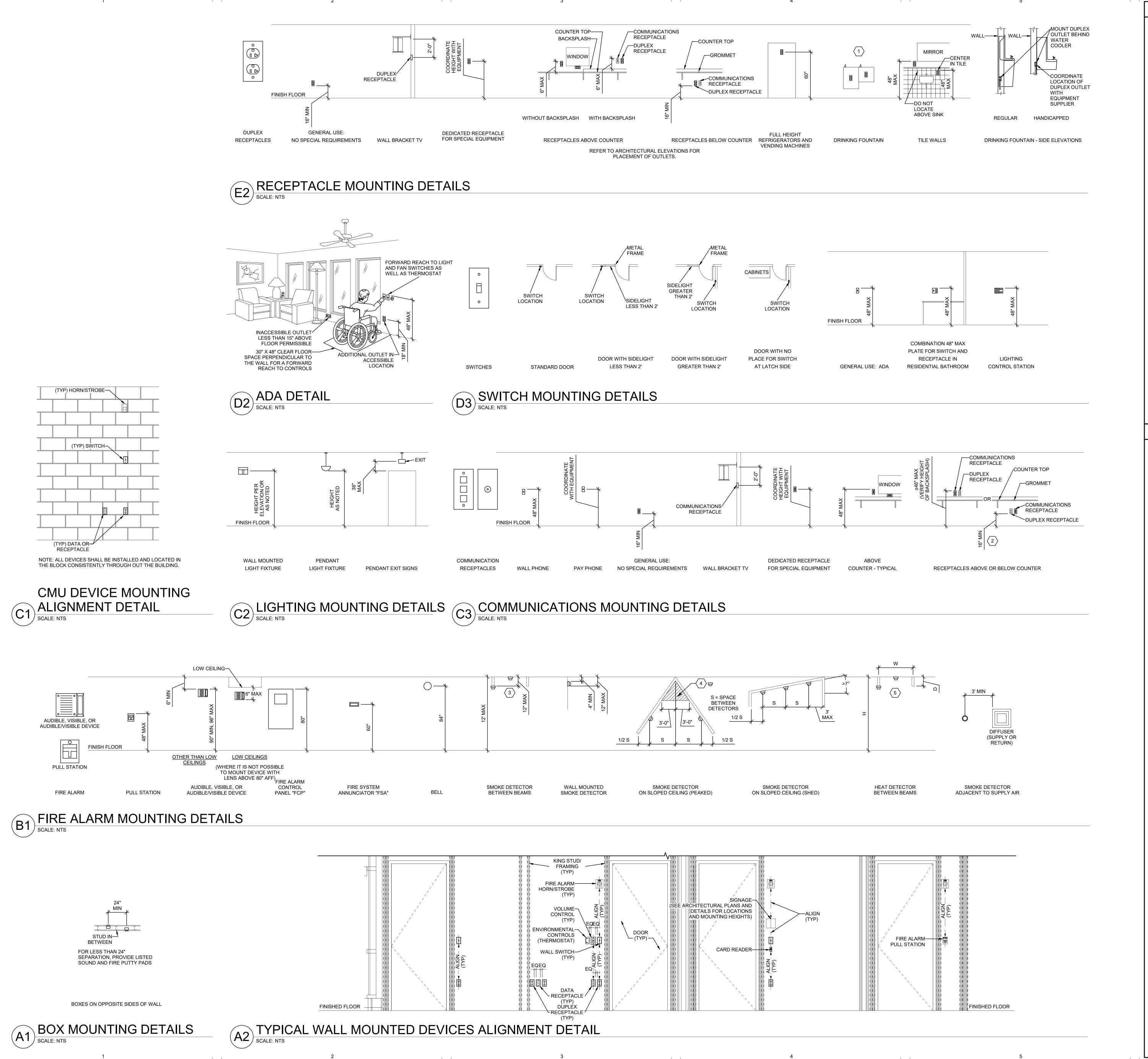
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ELECTRICAL DETAILS EE501



### GENERAL SHEET NOTES

- 1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
- 1 ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
- 2 EQUIPMENT SHOP DRAWINGS.
- 3 FIELD INSTRUCTIONS.
- LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
- MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
- 4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
- 5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
- LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
- VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
- 8. LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.
- WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.



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### ○ SHEET KEYNOTES

- LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
- REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
   LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
- . LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
- LOCATE AT BOTTOM OF BEAMS IF D/H < .1 OR W/H < .4; OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

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DATE: 3-24-2022

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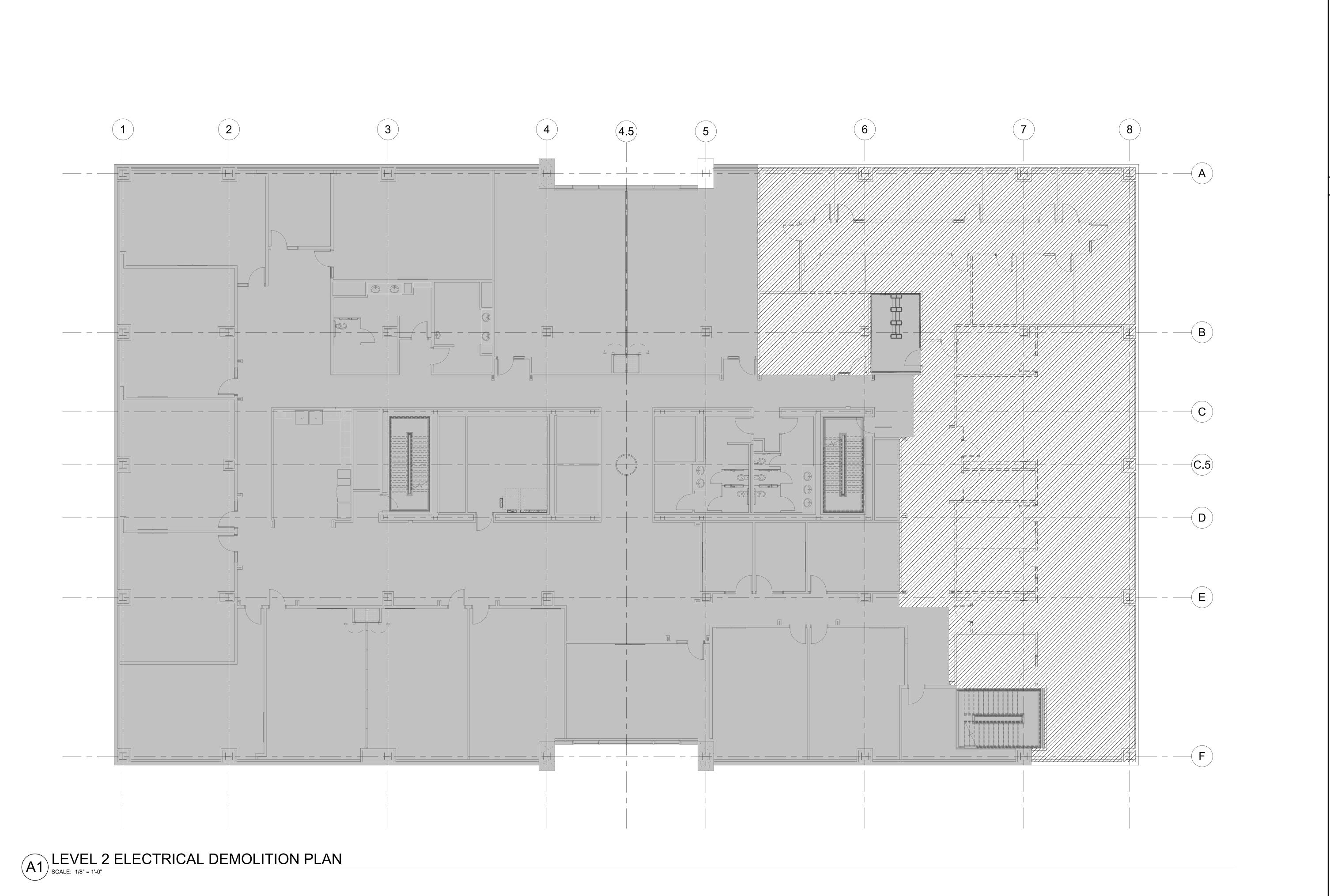
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- PHASE
INTERMOUNTAIN
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TYPICAL MOUNTING HEIGHT DETAILS

EE701



### GENERAL SHEET NOTES

- SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND
- INCLUDE ALL COSTS IN BID.
- PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
- REFER TO ARCHITECTURAL DRAWINGS FOR REMOVAL OF MOTORS, CONDUIT, CONDUCTOR AND CONTROL WIRING ASSOCIATED WITH EXISTING MOTORIZED DOORS, PARTITIONS AND LIGHTING.
- DEMOLISH ALL WI-FI ACCESS POINTS WHETHER SHOWN ON DRAWINGS OR NOT WITHIN SCOPE OF WORK AREA.
- REMOVE FEEDERS FOR ALL DEMOLISHED PANELS, DISCONNETS, ETC. BACK TO SOURCE
- 10 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- 11 CONTRACTOR TO TRACE AND LABEL ALL EXISTING LOADS TO REMAIN, THAT ARE CURRENTLY FED FROM PANELS THAT ARE BEING DEMOLISHED IN THIS PHASE. THESE LOADS TO BE RE-FED FROM NEW PANELS IN NEXT PHASE.
- 12 ALL HVAC UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS BACK TO

SHEET KEYNOTES

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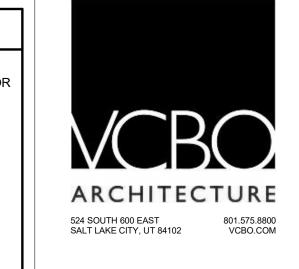
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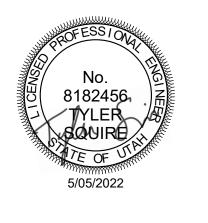
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### GENERAL SHEET NOTES

LOCATIONS OF ALL POKE-THRUS AND SYSTEMS FURNITURE JUNCTION BOXES SHOWN SHALL BE VERIFIED WITH THE FURNITURE VENDOR AND ARCHITECT PRIOR TO INSTALLATION.





### ○ SHEET KEYNOTES

- FIELD VERIFY EXISTING PANELS AND AVAILABLE CIRCUIT BREAKERS ONCE DEMOLITION HAS BEEN COMPLETED. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.
- CONNECT TO SPARE 20A CIRCUIT BREAKER IN PANEL INDICATED. FIELD VERIFY AVAILABLE CIRCUIT BREAKERS ONCE DEMOLITION HAS BEEN COMPLETED. PROVIDE UPDATED, TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.
- PROVIDE ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. DESIGN IS BASED ON 4 CIRCUIT/8 WIRE SYSTEM (3 CIRCUITS, SHARED OVERSIZED NEUTRAL AND GROUND, PLUS 1 CIRCUIT WITH DEDICATED NEUTRAL AND GROUND). VERIFY WIRING CONFIGURATION AND FEED POINT WITH SYSTEMS FURNITURE INSTALLER PRIOR TO INSTALLATION. COORDINATE WITH FURNITURE INSTALLER SUCH THAT CIRCUITS ARE UNIFORMLY DISTRIBUTED TO NO MORE THAN 3 WORKSTATIONS PER CIRCUIT AND EACH WORKSTATION ONLY HAVING AVAILABLE ITS ASSIGNED CIRCUIT. COPIER OR PRINTERS LOCATED IN A GROUP OF WORKSTATIONS SHALL RECEIVE A DEDICATED
- PROVIDE ELECTRICAL RECEPTACLE FOR A/V MONITOR. COORDINATE WITH ARCHITECTURAL DETAILS AND A/V INSTALLER.
- CIRCUIT TO EXISTING PANELBOARD INDICATED WITH 4 #12, #12GR IN 0.75" CND. PROVIDE NEW 20A/3P CIRCUIT BREAKER. FIELD VERIFY AVAILABLE CIRCUIT BREAKERS AND PROVIDE REDLINED RECORD DRAWINGS AND UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.

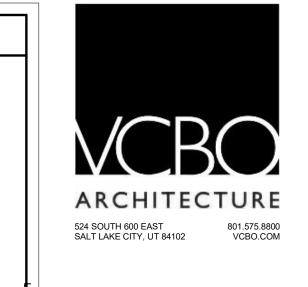
SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com

REV DATE DESCRIPTION

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(G-2) (G-2)

GENERAL SHEET NOTES





SPECTRUM ENGINEERS

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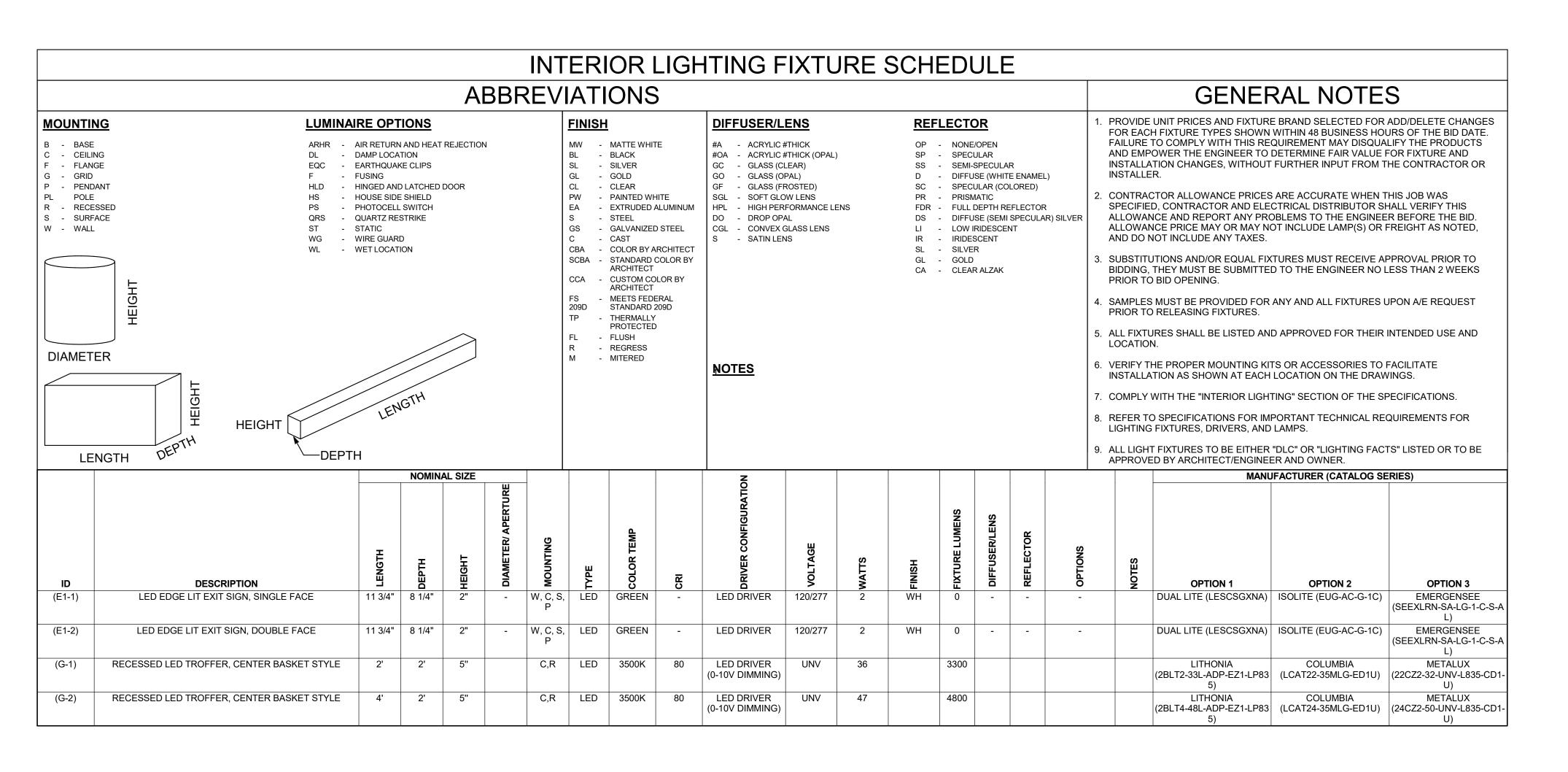
fax: 801-328-5155 www.spectrum-engineers.com

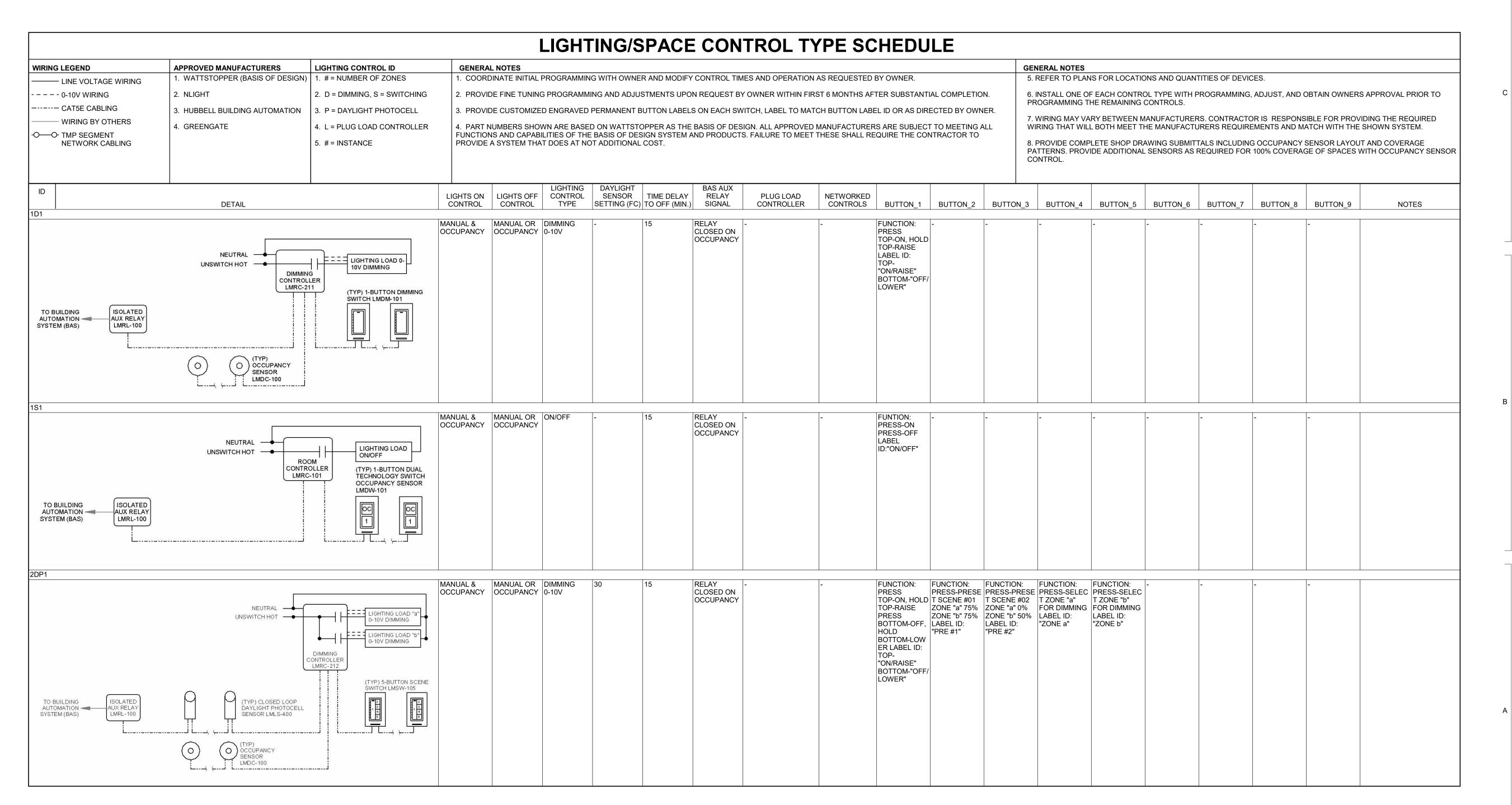
### ○ SHEET KEYNOTES

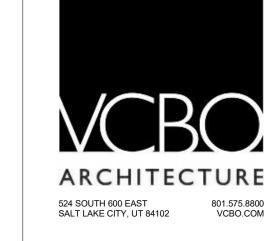
CONNECT TO SPARE 20A CIRCUIT BREAKER IN PANEL INDICATED. FIELD VERIFY AVAILABLE CIRCUIT BREAKERS ONCE DEMOLITION HAS BEEN COMPLETED. PROVIDE UPDATED, TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.

CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT PREVIOUSLY FEEDING LIGHTING IN THIS AREA.

REV DATE DESCRIPTION









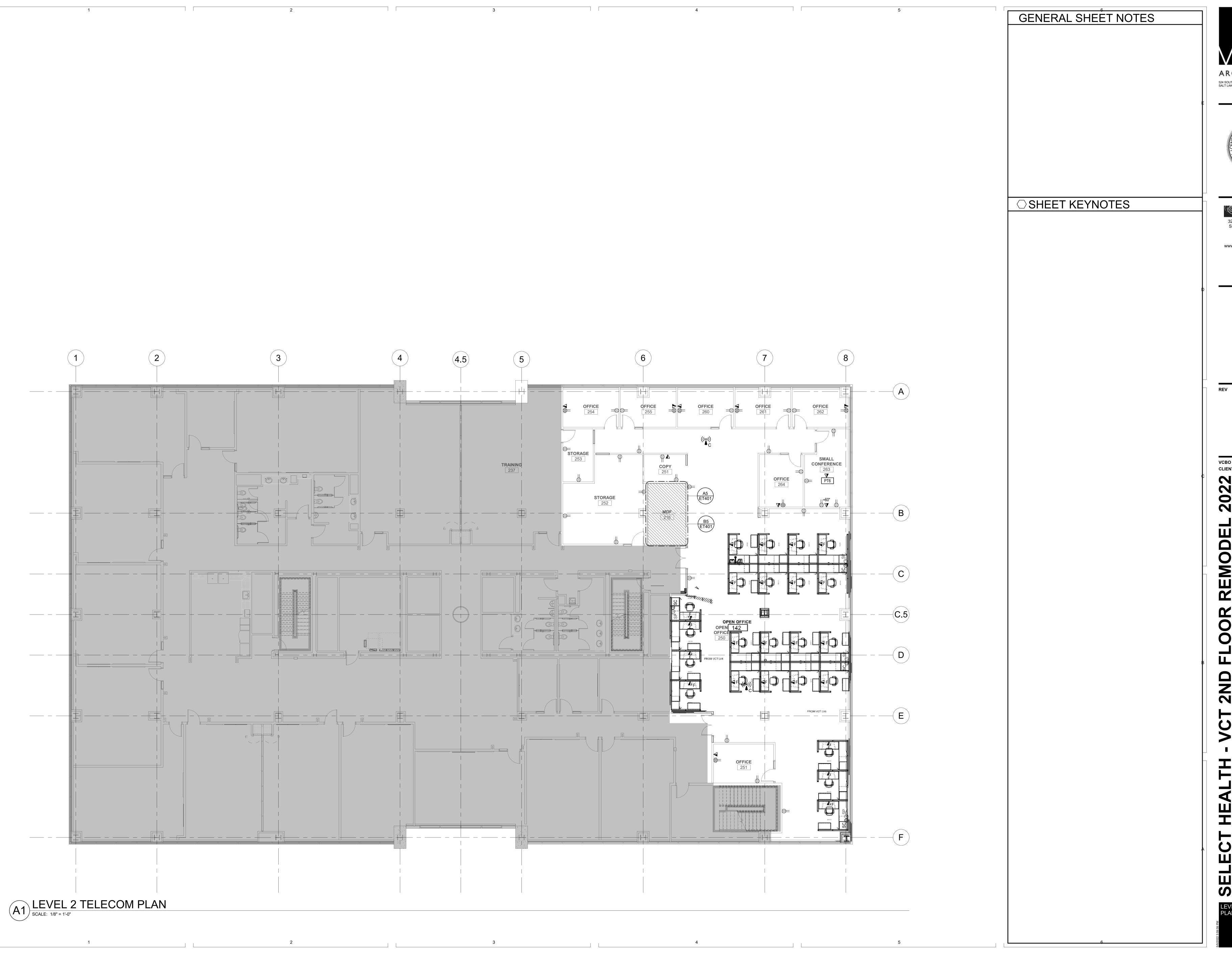


REV DATE DESCRIPTION

3-24-2022

VCBO NUMBER: 0 2

5373







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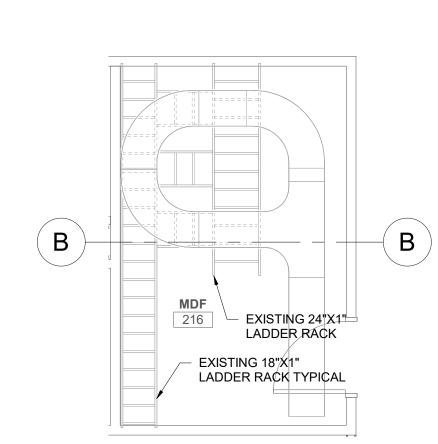






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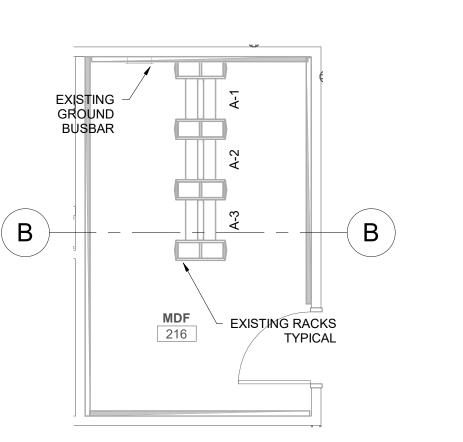
ET401



LEVEL 2 TELECOM PLAN MDF 216

LADER RACK PLAN

SCALE: NTS

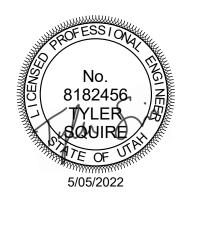


LEVEL 2 TELECOM PLAN MDF 216

EQUIPMENT RACK PLAN

SCALE: NTS





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REV DATE DESCRIPTION

REMODEL

2ND

THCARE ER - 5373 JMENTS

TELECOM EQUIPMENT RACK ELEVATIONS

ET501

NUMBER: 00000 DATE: 3-24-2022

202

FPP1 (3RU) \_\_ EXISTING VWM RPP1 (1RU) SPP1 (1RU) BLANK PANEL SPP1 (1RU) BLANK PANEL SPP1 (1RU) BLANK PANEL SPP1 (1RU) BLANK PANEL BLANK PANEL DAS \_ EXISTING RACK BLANK PANEL BLANK PANEL BLANK PANEL BLANK PANEL BLANK PANEL BLANK PANEL **BLANK PANEL** BLANK PANEL BLANK PANEL BLANK PANEL BLANK PANEL BLANK PANEL BLANK PANEL PANDUIT CABLE MANAGER (4 RU) PANDUIT CABLE MANAGER (4 RU) PANDUIT CABLE MANAGER (4 RU)

EATON PDU EATON PDU EATON PDU EATON PDU EATON PDU EATON PDU CISCO 4510 (14 RU) EATON 9PX UPS (OFCI)

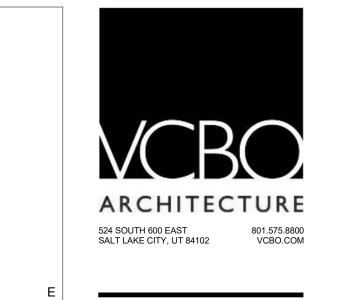
BLANK PANEL BLANK PANEL BLANK PANEL

A-2

A-1 (AGAINST WALL)

A4

TELECOM RACK ELEVEVATION DETAIL, LEVEL 2, MDF 0216
NO SCALE







REMODEL

2ND

REV DATE DESCRIPTION

00000 3-24-2022

CABLE ID EXAMPLE DETAIL

NO SCALE

PINNING (T568B)

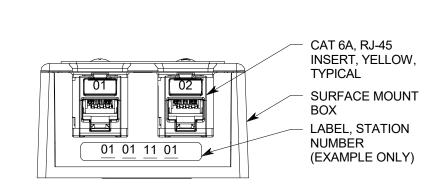
1 2 3 4 5 6 7 8

# COLOR

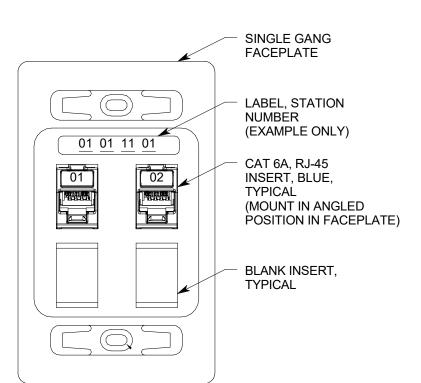
5 T1-W/BL 4 R1-BL/W 1 T2-W/O 2 R2-O/W

3 T3-W/GR 6 R3-GR/W 7 T4-W/BR 8 R4-BR/W

TYPICAL VOICE-DATA OUTLET PINNING DETAIL







THCARE ER - 5373 ( JMENTS

TYPICAL 2-PORT DATA OUTLET

NO SCALE



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REV DATE DESCRIPTION

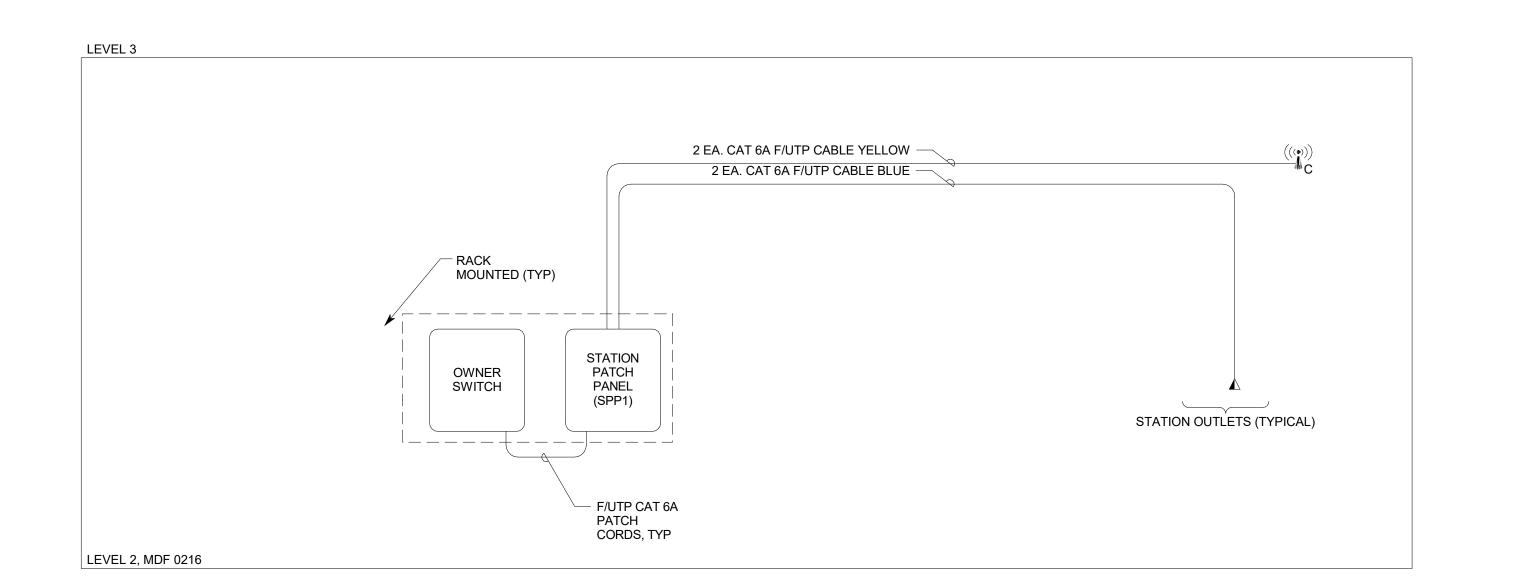
00000 3-24-2022

202

C4 TELECOM CONDUIT RISER DIAGRAM
NO SCALE

1 #3 CU TO -GROUNDING ELECTRODE

LEVEL 2



COIL OF EXCESS CABLE -

4-11/16" x 3"

BOX W/ 5/8 SINGLE GANG MUD RING

ACCESSIBLE CEILING

1" CND, — TYPICAL

4-11/16" X 3"

BOX W/ 5/8

DOUBLE GANG MUD RING

— JHOOK PATHWAY

2 EA. 1.25" -CND,

LEVEL 2

ET601

THCARE ER - 5373 IMENTS



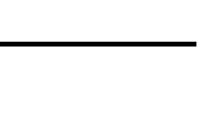












801-328-5151 fax: 801-328-5155

REV DATE DESCRIPTION

# CABLE INSTALLATION REQUIREMENTS SCHEDULES

REQUIREMENTS SCHEDULES				
ORIGIN	DESTINATION	CABLE TYPE	QUANTITY	SPECIAL INSTRUCTIONS
CP1	ER	D	2	
CPT		Р	1	
	M86	D	2	
	[ WIGO	Р	1	
		F	1	
	ER	Р	1	
IVIOO		D	2	
	C B	AUDIO	1	
	SB	USB		

### ER = EQUIPMENT RACK THE ABOVE REQUIREMENTS APPLY TO EACH LOCATION SHOWN IN THE DRAWINGS.

<b>AV CABLE</b>	SCHEDULE
ON	ACCEPTABLE TYPES

	AV CABLE	SCHEDULE	
CABLE TYPE	DESCRIPTION	ACCEPTABLE TYPES	SPECIAL INSTRUCTIONS
M	MICROPHONE CABLE, 22 AWG,	LIBERTY 22-1P-CMP-EZ-WH7	
	SHIELDED, TWISTED PAIR	BELDEN 82761	
	W/DRAIN-PLENUM RATED	WEST PENN 25452	
L	MICROPHONE CABLE, 22 AWG,	LIBERTY 22-1P-CMP-EZ-WH7	
	SHIELDED, TWISTED PAIR	BELDEN 82761	
	W/DRAIN-PLENUM RATED	WEST PENN 25452	
S	SPEAKER CABLE, 70 V,	LIBERTY 16-2C-TTP	
	16 AWG, TWISTED PAIR	WEST PENN 25225	
	PLENUM RATED		
С	CONTROL CABLE, 24 AWG,	BELDEN 88104	
	4 PAIR, OVERALL SHIELD	WEST PENN D252404	
P	PLENUM RATED	   SIEMON 9A6P4-45-C6-R1A	CONFIDM REQUIRED
	DIGITAL VIDEO CABLE, 4 PAIR, 23 AWG, CAT 6A F/UTP, 10G,	WEST PENN 4246AF	CONFIRM REQUIRED
	PLENUM RATED		PROVIDED VIDEO
			EQUIPMENT  MANUFACTURER
			WANDIACIONEN
D	DATA CABLE, CAT 6, PLENUM RATED	LIBERTY 24-4P-L6-EN COMM SCOPE 75N4	
X	RF CABLE, 50 OHM, COAXIAL,		
^	RG58, PLENUM RATED	BELDEN 89907 WEST PENN 25812	
	,		
F	FIBER OPTIC CABLE 850 NM	EXTRON UCS FTR 900 KIT	INCLUDED WITH USB
	MULTIMODE, PLENUM RATED		EXTENSION KIT

### AV SIGNAL TYPE ABBREVIATIONS SCHEDULE

SIGNAL TYPE
AUDIO, LEFT, (LINE LEVEL)
AUDIO, RIGHT, (LINE LEVEL)
ANALOG AUDIO, (LINE LEVEL)
VIDEO, COMPOSITE-STANDARD RESOLUTION ANALOG VIDEO
S-VIDEO-STANDARD RESOLUTION ANALOG VIDEO
COMPONENT VIDEO-STANDARD RESOLUTION ANALOG VIDEO
RED, GREEN, BLUE, HORIZONTAL & VERTICAL SYNC-HIGH RESOLUTION ANALOG VIDEO
EXTENDED GRAPHICS ARRAY/VIDEO GRAPHICS ARRAY-HIGH RESOLUTION ANALOG VIDEO
DIGITAL VIDEO INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
HIGH DEFINITION MULTIMEDIA INTERFACE-HIGH RESOLUTION DIGITAL VIDEO
DISPLAY PORT-HIGH RESOLUTION DIGITAL VIDEO
TWISTED PAIR
INTERNET PROTOCOL
ETHERNET
HD BASE T

### AV SYSTEMS EQUIPMENT LIST

DO NOT CONSTRUE THE ITEMS LISTED BELOW AS A COMPLETE LIST OF A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE TECHNOLOGY SYSTEMS INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, PROVIDE THE ENTIRE ASSEMBLY UNLESS OTHERWISE SPECIFIED. PROVIDE ALL MISCELLANEOUS HARDWARE, INTERFACES, TRANSFORMERS, POWER SUPPLIES, DISTRIBUTION EQUIPMENT, CONNECTORS, TERMINATION EQUIPMENT FASTENERS, RACK MOUNT KITS, SUPPORTS, AND/OR ANY OTHER TYPE OF EQUIPMENT WHICH MAY NOT BE LISTED HERE, BUT MAY BE NECESSARY FOR THE INSTALLATION OF A FUNCTIONAL ELECTRONIC SYSTEMS. COMPARE EQUIPMENT MODEL NUMBERS WITH DESCRIPTIONS AND PERFORMANCE SPECIFICATIONS AND NOTIFY THE ENGINEER BEFORE BID OF ANY DISCREPENCIES. IF MODEL NUMBERS DO NOT MATCH DESCRIPTIONS AND/OR SPECIFICATIONS, THE DESCRIPTIONS AND SPECIFICATIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL

TVSS

DESCRIPTION

UL LISTED PLUG STRIP

CONNECTION PANEL #1, CUSTOM PLATE WITH ALL

TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20 AMP

SPECIFIED CONNECTORS ANDMODULES

QTY ACCEPTABLE TYPES (SEE SPECIAL NOTE #1)

CUSTOM, SEE DETAIL

SURGEX SA20

A/R

A/R

	UL LISTED PLUG STRIP	A/R	
	EQUIPMENT RACK, EXISTING		
	NYLON LOOM, EXPANDABLE SLEEVING.	A/R	TECH FLEX
WVS	WIRELESS VIDEO SYSTEM	OFP	PANDUIT  AIR SERVER CONNECT
TP	TOUCH PANEL, APPROX. 7", 720P WITH TABLE TOP KIT	OFP	QSC TSC-80W-G2 / TSC-80T-G2
CS/NS	CONTROL SYSTEM PROCESSORW/ NETWORK SWITCH	OFP	QSC Q-SYS CORE NANO
	AND PROGRAMING SOFTWARE	A/R	QSC Q-SYS UCI-EDITOR/SCRIPTING ENGINE
		OFP	CISCCO CATALIST C1000-8FP-E-2G-L
SB	SOUND BAR W/ INTEGRATED CAMERA AND MOUNTING BRACKET	OFP	CRESTRON UC-SB1-CAM
HRX	HDBT RECEIVER, 4K/60 @ 4:4:4	OFP	EXTRON DTP2 R 211
HTX	HDBT TRASMITTER, 4K/60 @ 4:4:4	OFP	EXTRON DTP2 T 211
EXT	USB EXTENDER 3.0, INCLUDE SEND AND RECEIVE ENDS	OFP	EXTRON UCS FTR 900 KIT W/ MOUNTING KIT
SS	SYSTEM SWITCHER, DIGITAL, 8 X 4 MATRIX  PROJECTOR, W/ LENS, 16:10, NATIVE 1920 X 1200, 5400 ANSI LUMENS W/ NETWORK CONNECTIVITY AND NETWORK SOFTWARE, NOTE 12	OFP OFP	EXTRON DTP CROSSPOINT 84  PANASONIC PT-RZ570 W/LENS REQUIRED FOR IMAGE SIZE AND THROW DISTANCE
	PROJECTOR CEILING MOUNT KIT, PROVIDE PIPE, COUPLERS, STEEL, ADAPTORS, UNISTRUT, THREADED ROD, FASTENERS, ANCHORS, AND ANY OTHER REQUIRED COMPONENTS TO SPAN STRUCTURE, AIR DUCTS, EXTEND/REDUCE SUPPORT SYSTEM FOR APPROPRIATE ELEVATION AS NEEDED FOR INSTALLATION OF THE SPECIFIED DEVICE. SECURE PROJECTORS TO MOUNTS UTILIZING SECURITY SCREWS.	OFP	CHIEF CMS-440 SERIES & RPA SERIES W/ALL REQUIRED ACCESSORIES (LAY-IN TILE CEILINGS
•	PROJECTOR, W/ LENS, 16:10, NATIVE 1920 X 1200, 5400 ANSI LUMENS W/ NETWORK CONNECTIVITY AND NETWORK SOFTWARE, NOTE 12	OFP	PANASONIC PT-RZ670 W/ LENS REQUIRED FOR IMAGE SIZE AND THROW DISTANCE
	PROJECTOR CEILING MOUNT KIT, PROVIDE PIPE, COUPLERS, STEEL, ADAPTORS, UNISTRUT, THREADED ROD, FASTENERS, ANCHORS, AND ANY OTHER REQUIRED COMPONENTS TO EXTEND/REDUCE SUPPORT SYSTEM FOR APPROPRIATE ELEVATION AS NEEDED FOR INSTALLATION OF THE SPECIFIED DEVICE. SECURE PROJECTORS TO MOUNTS UTILIZING SECURITY SCREWS.	OFP	CHIEF WMA2S SERIES W/ ALL REQUIRED ACCESSORIES
ID	PROJECTION SCREEN, ELECTRIC ROLL-UP, 16:9, W/LOW VOLTAGE CONTROL INTERFACE, CONTROL SWITCH, BLACK DROP, TENSION CABLES, & DA MATT PROJECTION SURFACE. REFER TO DISPLAY DEVICE SCHEDULE FOR REQUIRED IMAGE SIZES. FURNISHED AND INSTALLED UNDER PREVIOUS BID PACKAGE		NO REQUIREMENT
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 20A, FOR RACKS	A/R	TRIPP LITE IBAR 12-20 ULTRA
	TRANSIENT VOLTAGE SURGE SUPPRESSOR, 15A, FOR PROJECTORS AND FLAT PANEL MONITORS	A/R	TRIPP LITE ISOBAR 6 ULTRA/4 ULTRA
	SECURITY CABLES, PADDLE LOCKS, KEYS, BRACKETS, ADHESIVES, AND ALL REQUIRED ACCESSORIES. SEE NOTE 17.	A/R	FLEXGUARD ALL PURPOSE SERIES
	CUSTOM RACK MOUNT KITS, SEE NOTE 10	A/R	MIDDLE ATLANTIC RSH SERIES
	CONNECTORS, SEE NOTE 5	A/R	
	POE INJECTORS, POWER SUPPLIES, MISC. TRANSFORMERS, SIGNAL SENSORS, PROTOCOL CONVERTERS, SEE NOTES 4, 7, 8, 16	A/R	
	GENERAL PATCH CORDS, SEE NOTE 6	A/R	
	ADAPTER CABLES, SEE NOTE 9	A/R	
	HDMI CONNECTOR SUPPORTS, NOTE 24	A/R	EXTRON LOCKIT
	POWER AMPLIFIER, 1 CHANNEL, 200 WATTS, 70V	OFP	EXTRON XPA 2001-70V
	POWER AMPLIFIER, 2 CHANNEL, 100 WATTS, 8 OHM	OFP	EXTRON XPA U 1002
DVD	DIGITAL VERSATILE DISK PLAYER, BLU RAY CONSUMER	OFP	SAMSUNG BDJ 6300
CP1	GRADE, IR CONTROL, NOTE 19  CONNECTION PANEL #1, HDBT TRANSMITTER, DECORA STYLE, W/ HIGH IMPACT NYLON COVER, ARCHITECT TO SELECT	OFP	EXTRON DTP T UWP 4K 332 D W/ COVER
CP5	COLOR  CONNECTION PANEL #5 ARCHITECT TO SELECT FINISH	OFP	CUSTOM, SEE DETAILS
CP8	CONNECTION PANEL #8 W/ ALL ACCESSORIES AS DETAILED, NOTE 22, ARCHITECT TO SELECT FINISH	OFP	EXTRON CABLE CUBBY 1400 W/PASS-THROUGH AAP'S/AAP BRACKETS/ORGANIZER AAP KITS/POWER MODULES/GROMMET AND WHOLE PLUG KITS
CPU	COMPUTER SYSTEM W/MOUSE AND KEYBOARD	OFP	
<u>(S)</u>	SPEAKER ASSEMBLY, CEILING MOUNTED, FULL FREQUENCY 6" SPEAKER, TRANSFORMER & GRILLE, 70V LOUDSPEAKER AND WALL MOUNT BRACKET, WHITE, W/ 70V	OFP OFP	ATLAS SOUND FA136T87/FA-720-6  ELECTROVOICE EVID 6.2
HS)	TRANSFORMER, WALL MOUNTE BRACKET AND FASTENING HARDWARE		
	EQUIPMENT RACK, LECTERN, FRAME ONLY, 14 RU, 26" DEEP W/ REAR RACK RAILS, SEE NOTE 15	OFP	MIDDLE ATLANTIC 5-14-26
<u>+_&gt;</u>	JUNCTION BOX FOR FUTURE CAMERA  CAMERA, PTZ, 4K UHD W/ CEILING MOUNT BRACKET AND CAMERA RECEIVER	OFP	NO REQUIREMENT  VADDIO ROBOSHOT 20 UHD ONE LINE BRIDGE / IN-CEILING HALF RECESSED ENCLOSURE
CRX		OFP	
DC	DOCUMENT CAMERA  MONITOR, 75", 4K, NARROW BEZEL W/ RS-232 CONTROL	OFP OFP	WOLFVISION VZ-3NEO
M75			SAMSUNG QM75R
	WALL MOUNT BRACKET, DUAL SWING ARM WITH ALL REQUIRED STRUCTURAL BACKING AND FASTENERS  VOLUME CONTROL, 70V, 100W ATTENUATER, DECOR STYLE	OFP OFP	CHIEF TS525TU W/ ALL REQUIRED MOUNTING ACCESSORIES  LOWELL 100LVC-DX
(v)	W/ COVER PLATE, ARCHITECT TO SELECT COLOR		LOWLLE TOOL VO-DA
	AV CABLE	A/R	SEE AV CABLE SCHEDULE THIS SHEET
	CABLE LACING BAR 10" DEEP	A/R	MIDDLE ATLANTIC LBP=10R90

A/R | MIDDLE ATLANTIC LBP=10R90 CABLE LACING BAR, 10" DEEP MANUFACTURER'S NAMES AND TELEPHONE NUMBERS ARE LISTED IN THE SPECIFICATIONS A/R = AS REQURIED. OFP = OBTAIN FROM PLANS. RMK = RACK MOUNT KIT.

### AV SYSTEMS SHEET INDEX TA001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

### SPECIAL PROJECT NOTES

THE AUDIO AND 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.
- 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.
- 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.
- 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
- 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
- PROVIDE PATCH CABLES TO FULLY INTERCONNECT ALL SPECIFIED AND/OR OWNER FURNISHED EQUIPMENT WITH THE SPECIFIED CONNECTION PANELS, SYSTEM INTERFACES, AND MISCELLANEOUS EQUIPMENT.
- 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.
- PROVIDE POWER, CURRENT, AND/OR SIGNAL SENSORS FOR ALL EQUIPMENT WHERE IT IS NECESSARY FOR CORRECT CONTROL SYSTEM
- PROVIDE PRE-MANUFACTURED ADAPTER CABLES WHERE REQUIRED FOR MATING CABLE TO CONNECTORS.
- 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.
- 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.
- PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES, POE++ INJECTORS AND/OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT.
- 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.
- 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.
- PROVIDE BALANCING TRANSFORMERS FOR ALL AUDIO INPUTS/OUTPUTS WHICH ARE NOT BALANCED BY THE MANUFACTURER.
- PROVIDE 120 VAC TO ALL EQUIPMENT THROUGH THE SPECIFIED TRANSIENT VOLTAGE SURGE SUPPRESSERS.
- 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...
- LABEL ALL CONNECTORS AND USER CONTROLS IN COMPLIANCE WITH THE REQUIREMENTS IDENTIFIED IN THE SPECIFICATION.
- 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.
- 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.
- POWER ALL SPECIFIED TRANSMITTERS AND RECEIVERS FROM THE
- EQUIPMENT RACK. USE LACING BARS AT REGULAR INTERVALS FOR CABLE MANAGEMENT ON THE REAR OF THE 2-POST EQUIPMENT RACK.
- 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.
- 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.
- 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





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BBREVIATIONS, AND GENERAL NOTES