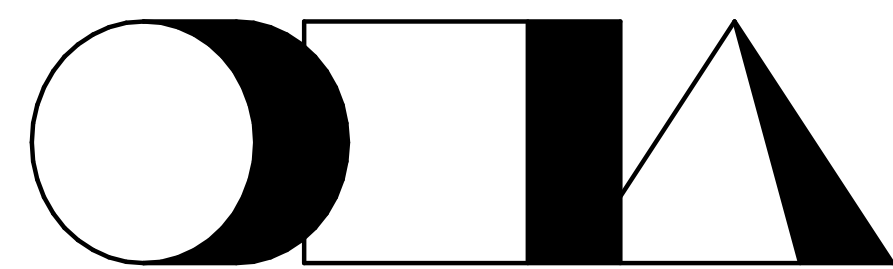


A

B

C

D



CURTIS MINER ARCHITECTURE

IGTC CHIMES EXPANSION TENANT BUILDOUT

5026 SOUTH STATE STREET MURRAY, UTAH 84107

11 FEBRUARY 2022

CONSTRUCTION DOCUMENTS

ENGINEERING CONSULTANTS

ELECTRICAL



SPECTRUM ENGINEERS TYLER SQUIRE 324 S. STATE STREET, SUITE 400 SALT LAKE CITY, UTAH 84111 PHONE: 801-401-8422

MECHANICAL & PLUMBING



VAN BOERUM & FRANK ASSOCIATES KEVIN MCENTIRE 330 SOUTH 300 EAST SALT LAKE CITY, UT 84111 PHONE: 801.530.3148

Table with columns: MARK, REVISION, DATE

INDEX OF DRAWINGS

ARCHITECTURAL

- G000 COVER SHEET
G001 CODE COMPLIANCE & GENERAL DRAWING INFORMATION
G101 LIFE SAFETY PLAN - LEVEL 1

ARCHITECTURAL

- AD101 DEMOLITION FLOOR PLAN - LEVEL 1
A101 FLOOR PLAN - LEVEL 1
A151 REFLECTED CEILING PLAN - LEVEL 1
A501 MISCELLANEOUS DETAILS
A601 DOORS AND INTERIOR ELEVATIONS

MECHANICAL

- ME000 MECHANICAL SYMBOLS AND LEGEND
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MH101 MECHANICAL PLANS LEVEL 1
MH501 MECHANICAL DETAILS
MH502 MECHANICAL DETAILS
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ELECTRICAL

- EE001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
EE501 ELECTRICAL DETAILS
EE701 TYPICAL MOUNTING HEIGHT DETAILS
EE702 TYPICAL MOUNTING HEIGHT DETAILS
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ED101 LEVEL 1 ELECTRICAL DEMOLITION PLAN
ED102 LEVEL 1 CEILING DEMOLITION PLAN
EP101 LEVEL 1 POWER PLAN
EP601 PANEL SCHEDULES
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EL601 INTERIOR LIGHTING FIXTURE SCHEDULE
EY101 LEVEL 1 AUXILIARY PLAN

Project information block including logo, address, date, project name, and sheet description (COVER SHEET G000)

DESIGN CRITERIA

BUILDING SIZE:	30,560 S.F. FIRST FLOOR (GROSS AREA OF BUILDOUT 967 S.F.) 26,489 S.F. SECOND FLOOR 31,156 S.F. THIRD FLOOR 31,200 S.F. FOURTH FLOOR 800 S.F. ROOF 120,202 S.F. TOTAL BUILDING
APPLICABLE BUILDING CODES:	2018 INTERNATIONAL BUILDING CODE. 2018 INTERNATIONAL FIRE CODE. 2018 INTERNATIONAL MECHANICAL CODE. 2018 INTERNATIONAL PLUMBING CODE. 2020 NATIONAL ELECTRICAL CODE. 2018 INTERNATIONAL ENERGY CONSERVATION CODE. ICC A117.1-2009.
OCCUPANCY CLASSIFICATION:	NON SEPARATED B (OFFICE), A-3 ASSEMBLY, A-2 ASSEMBLY
OCCUPANCY REQUIREMENTS:	B (IBC 304.1)
TYPE OF CONSTRUCTION:	I-B (IBC TABLE 601)
AUTOMATIC FIRE SPRINKLERS:	AN AUTOMATIC FIRE SPRINKLER SYSTEM IS EXISTING THROUGHOUT BUILDING AND IS TO BE MODIFIED AS REQUIRED FOR MODIFICATIONS IN ACCORDANCE WITH NFPA 13 (IBC 903.3.1)
ALLOWABLE FLOOR AREA:	UNLIMITED (IBC TABLE 506.2)
ALLOWABLE HEIGHT IN STORIES:	12 STORIES ABOVE GRADE (IBC 504.4)
ALLOWABLY HEIGHT	180' (IBC 504.3)
ACTUAL BUILDING HEIGHT:	78'
SEPARATION OF OCCUPANCIES:	NON SEPARATED OCCUPANCIES (IBC TABLE 508.4)
CORRIDOR FIRE RESISTANCE:	0 HOURS (IBC TABLE 1020.1 SPRINKLERED)
VERTICAL EXIT ENCLOSURES:	2 HOURS FIRE BARRIERS (IBC 1022.2). WITH 90 MIN. DOORS PER IBC TABLE 716.5 (NOT MODIFIED AS PART OF THIS PROJECT)
SHAFT ENCLOSURES:	SHAFT ENCLOSURES TO BE 2 HOUR FIRE BARRIERS (IBC 708) (NOT MODIFIED AS PART OF THIS PROJECT)
OCCUPANT LOAD:	CALCULATION OF BUILDOUT AREA ONLY. EXISTING BUILDING TO REMAIN. SQUARE FOOTAGE OF BUSINESS AREAS (AT 1/150 SF) IN BUILDOUT TOTAL SQUARE FOOTAGE 967 S.F. 967 / 150 = 7 OCCUPANTS TOTAL OCCUPANTS BUILDOUT AREA = 7 OCCUPANTS
EGRESS WIDTH:	FIRST FLOOR (DOORS): 7' * 2 = 1.4" REQUIRED. PROVIDED 36" (IBC 1005.3.2) (32" MIN. IBC 1010.1.1) - ONLY ONE LEAF OF DOUBLE DOOR IS OPERABLE IN TYPICAL USE.
PLUMBING FIXTURES:	SEE PLUMBING FIXTURE COUNT - TABLE PROVIDED AS PART OF THE ORIGINAL BUILDING PACKAGE FOR REQUIRED WATER CLOSETS AND LAVATORIES IS PROVIDED FOR REFERENCE. THIS TENANT BUILDOUT DOESN'T AFFECT THE PLUMBING FIXTURE CALCULATIONS. NO ADDITIONAL PLUMBING FIXTURES ARE BEING ADDED AS PART OF THIS PROJECT. EXISTING ON EACH LEVEL SERVICE SINKS = 1 DRINKING FOUNTAINS = 2 (1 HIGH, 1 LOW)

DESIGN CRITERIA

ACCESSORY OCCUPANCY:	B OCCUPANCY. (IBC 508.2), NO SEPARATION REQUIRED (IBC 508.2.4)
EXTERIOR WALL PROTECTION:	0 HOUR EXTERIOR WALL PROTECTION IS REQUIRED BASED ON SITE LAYOUT WHERE ALL FIRE SEPARATION DISTANCES ARE GREATER THAN 30'-0" (IBC TABLE 601 & 602).
INTERIOR WALL AND CEILING FINISHES:	GROUP B (IBC TABLE 803.9): B EXIT ENCLOSURES AND PASSAGEWAYS. B CORRIDORS. C ROOMS AND ENCLOSED SPACES
INTERIOR FLOOR FINISHES:	TO BE INSTALLED IN ACCORDANCE WITH IBC 804
TRAVEL DISTANCE:	300 FEET: B OCCUPANCY (IBC 1016.1 & TABLE 1016.2)
COMMON PATH OF EGRESS TRAVEL:	100 FEET: B OCCUPANCY (IBC TABLE 1006.2.1)
FIRE RESISTIVE REQUIREMENTS:	2 HOUR PRIMARY STRUCTURE, BEARING WALLS INTERIOR AND EXTERIOR 0 HOUR NON-BEARING WALLS AND PARTITIONS INTERIOR 2 HOUR FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS 1 HOUR ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (IBC 601)
DEAD-END CORRIDOR LENGTH:	MAXIMUM DEAD-END CORRIDOR LENGTH NOT TO EXCEED 50' (IBC 1020.4 EXCEPTION 2).
EXIT:	TWO EXITS REQUIRED. (IBC TABLE 1015.1) TWO PROVIDED
SIGNAGE:	TO BE PROVIDED IN ACCORDANCE WITH IBC 1011.4 AND 1110.
DRAFT STOPPING:	NOT REQUIRED DUE TO SPRINKLER EXCEPTION ((IBC 718.3.3)
ACCESSIBILITY:	ACCESSIBILITY (IBC CHAPTER II AND ICC A117.1-2009)
FIRE ALARM:	A FIRE ALARM SYSTEM IS EXISTING THROUGHOUT BUILDING AND IS TO BE MODIFIED AS REQUIRED FOR MODIFICATIONS (IBC 718.4.3) SEE ELECTRICAL
ADDITIONAL REQUIREMENTS:	CONTRACTOR TO SUBMIT FIRE SPRINKLER AND FIRE ALARM PLANS TO THE CITY FIRE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK. ONE 2A10BC FIRE EXTINGUISHER FOR EVERY 6,000 S.F. SPACED WITHIN 75' TRAVEL DISTANCE MAXIMUM [IBC TABLE 906.3(1)].

PLUMBING FIXTURE COUNT AREA REQUIRED VS PROVIDED															
LEVEL	URINALS	REQUIRED					COMMENTS	REQUIRED FIXTURES	PROVIDED					PROVIDED MENS LAVATORY	PROVIDED WOMENS LAVATORY
		WC MENS	TOTAL MENS	WC WOMENS	LAVATORY MENS	LAVATORY WOMENS			PROVIDED MENS URINALS	PROVIDED MENS WC	PROVIDED MENS	PROVIDED WOMENS			
LEVEL 1															
L1 OFFICE	00	4	4	4	3	3									
TOTAL	00	4	4	4	3	3		2	4	4	5	3	3		
LEVEL 2															
L2 OFFICE	00	3	3	3	3	3									
TOTAL	00	3	3	3	3	3		2	4	4	5	3	3		
LEVEL 3															
L3 ASSEMBLY	00	1	1	2	1	1									
L3 OFFICE	00	3	3	3	2	2									
TOTAL	00	4	4	5	3	3		2	4	4	5	3	3		
LEVEL 4															
L4 ASSEMBLY	00	1	1	2	1	1									
L4 OFFICE	00	3	3	3	2	2									
TOTAL	00	4	4	5	3	3		2	4	4	5	3	3		

BIDDING INFORMATION

THESE DOCUMENTS ARE INTENDED TO BE USED FOR COMPETITIVE GENERAL CONTRACTORS.

THE ARCHITECT WILL CLARIFY INFORMATION WITHIN THESE DOCUMENTS DURING BIDDING TO THE GENERAL CONTRACTOR ONLY. REQUESTS FOR CLARIFICATION SHALL BE DIRECTED TO CURTIS MINER ARCHITECTURE BY THE GENERAL CONTRACTOR. CALLS FROM SUBCONTRACTORS WILL BE REFERRED TO THE GENERAL CONTRACTOR.

DEFERRED SUBMITTALS

DEFERRED SUBMITTALS ARE TO BE MADE IN COMPLIANCE WITH SECTION 107.3.4.1 OF THE 2015 INTERNATIONAL BUILDING CODE. DEFERRED SUBMITTAL DOCUMENTS SHALL RESUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL HAVING JURISDICTION WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL COMPLIANCE WITH THE DESIGN OF THE PROJECT. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED. THE DEFERRED SUBMITTAL SHALL BE SUBMITTED TO THE BUILDING OFFICIAL HAVING JURISDICTION PRIOR TO INSPECTIONS. THE WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL. THE FOLLOWING CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED AS A DEFERRED SUBMITTAL.

- FIRE SUPPRESSION SYSTEM

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE CHAPTER 17.

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE OWNER, THE BUILDING OFFICIAL, THE ARCHITECT OF RECORD, THE ENGINEER OF RECORD, AND TO THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT DOCUMENTING THAT THE SPECIAL INSPECTION WORK WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE 2018 INTERNATIONAL BUILDING CODE.

SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK: SUSPENDED CEILING SYSTEMS AND THEIR ANCHORAGE (IF NOT PROVIDED BY CITY INSPECTORS).

DIMENSION NOTES

- ALL PLAN DIMENSIONS, UNLESS OTHERWISE NOTED, ARE TO:
 - COLUMN GRID ON CENTERLINES.
 - THE FACE OF STUD.
- DOOR LOCATIONS NOT DIMENSIONED ARE:
 - JAMB FACE 4" FROM FACE OF STUD.
 - CENTERLINE OF DOOR ON CENTERLINE OF DOOR OR CORRIDOR.
- NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
- "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
- VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
- FINISHED FLOOR ELEVATIONS ARE TO TOP OF CONCRETE OR GYPCRETE, UNLESS NOTED OTHERWISE.
- CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES, UNLESS NOTED OTHERWISE.

ABBREVIATIONS

- A.F.F. = ABOVE FINISHED FLOOR
- C.F.C.I. = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- C.F.O.I. = CONTRACTOR FURNISHED, OWNER INSTALLED
- O.F.O.I. = OWNER FURNISHED, OWNER INSTALLED
- O.F.C.I. = OWNER FURNISHED, CONTRACTOR INSTALLED
- O.C. = ON CENTER
- MIN. = MINIMUM
- TYP. = TYPICAL
- MIR. = MIRROR
- SIM. = SIMILAR
- F.V. = FIELD VERIFY
- CL = CENTERLINE
- EQ = EQUAL
- T.B.D. = TO BE DETERMINED

SPECIFICATIONS:

WHEREAS NO WRITTEN SPECIFICATION IS BEING PROVIDED FOR THE ARCHITECTURAL PORTION OF THIS PROJECT, IT IS THE EXPECTATION THAT ALL WORK WILL BE PERFORMED TO THE HIGHEST LEVEL OF CRAFTSMANSHIP, TOLERANCES, MANUFACTURER RECOMMENDATIONS, AND CONSTRUCTION STANDARDS OF REGULATING AGENCIES AS IS APPLICABLE FOR BEST PRACTICES WITHIN EACH TRADE. PRODUCTS HAVE BEEN SPECIFIED WITHIN THE DRAWING SET TO THE LEVEL THE ARCHITECT FEELS IS NECESSARY FOR BIDDING PURPOSES. IF QUESTIONS ARISE DURING BIDDING REGARDING PRODUCT SPECIFICATIONS OR ALTERNATES, SUBCONTRACTORS SHALL CONTACT THE GENERAL CONTRACTOR, WHO MAY SUBMIT FORMAL RFI'S DURING THE BIDDING PROCESS. IN SOME SITUATIONS, SPECIFIC PRODUCTS HAVE BEEN INDICATED IN THE PLANS. THE INTENT OF THE DRAWINGS IS FOR THESE PRODUCTS TO BE INCLUDED IN THE BASE BID. TO KEEP BIDDING COMPETITIVE, OTHER PRODUCTS MAY BE SUGGESTED AS ALTERNATIVES, HOWEVER THE BASE BID MUST INCLUDE THE INDICATED PRODUCTS. ALTERNATES MAY BE SUBMITTED AS VALUE ENGINEERING "DEDUCT ALTERNATES", WHICH WILL BE REVIEWED AFTER BIDDING TO DETERMINE WHETHER THEY WILL BE ACCEPTED.

MARK	REVISION	DATE

MATERIALS LEGEND

	EARTH		CONTINUOUS WOOD MEMBER
	GRAVEL		METAL
	CONCRETE		WOOD STUD WALLS
	RIGID INSULATION		CONTINUOUS METAL STUD
	CONCRETE MASONRY UNIT		BATT INSULATION
	STEEL DECK		FINISHED WOOD MEMBER
	WOOD BLOCKING		GLASS

SYMBOL LEGEND

DETAIL		DETAIL NUMBER		SHEET ON WHICH DETAIL OCCURS
ELEVATION		ELEVATION		SHEET ON WHICH ELEVATION OCCURS
WALL SECTION		NUMBER		SHEET ON WHICH SECTION OCCURS
OVERALL BUILDING SECTION		NUMBER		SHEET ON WHICH SECTION OCCURS
CEILING TAG		SHEET NOTE		
DOOR		WORK POINT OR ELEV. BENCH MARK		
WINDOW		ADA CLEAR DISTANCE		
WALL TYPES		ADA CLEAR DISTANCE		
GLAZING		MATCHLINE		MATCHLINE SEE DWG

<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT
	<p>PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT</p> <p>5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>
SHEET DESCRIPTION: CODE COMPLIANCE & GENERAL DRAWING INFORMATION	SHEET: G001

1

2

3

4

5

A

B

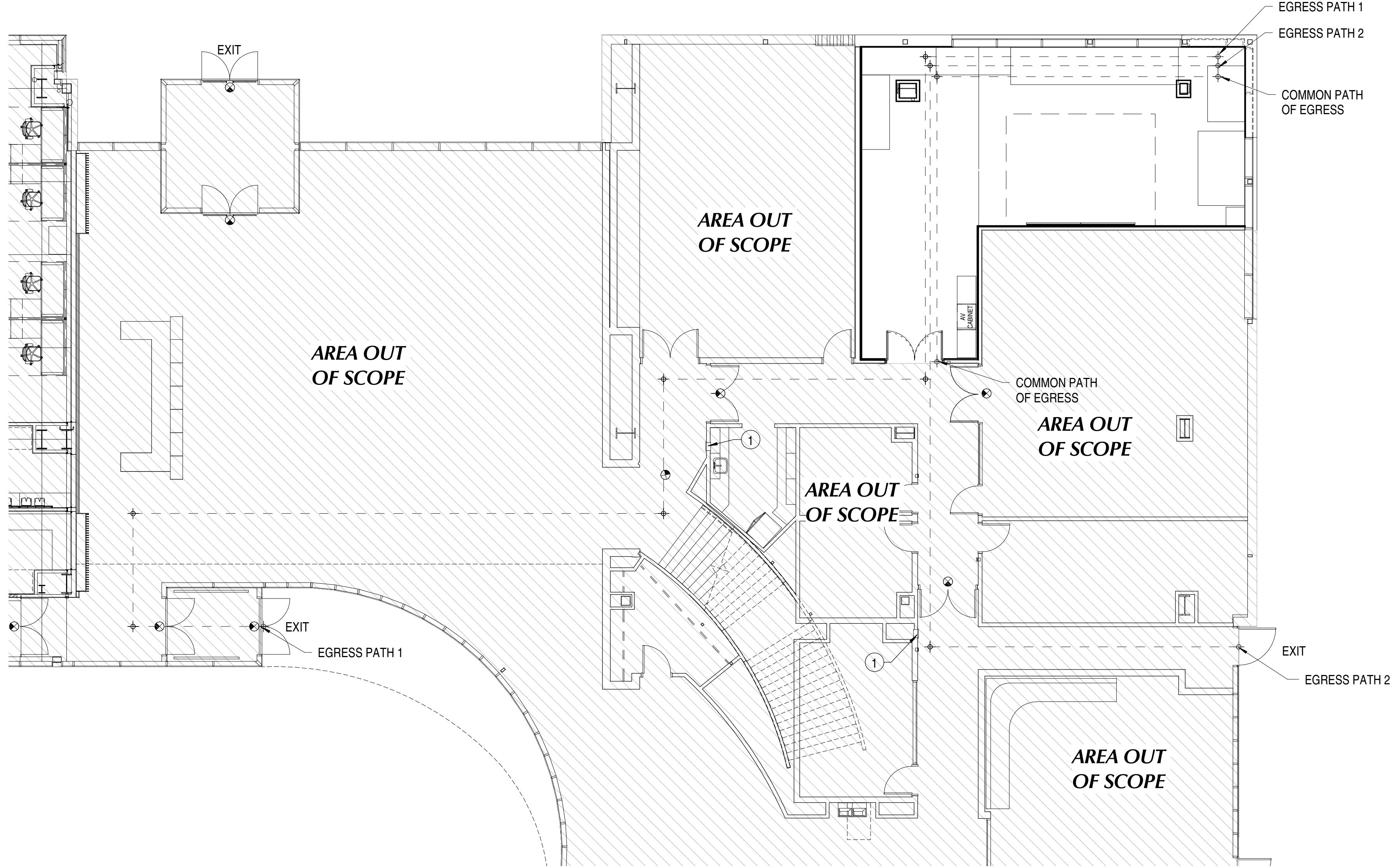
C

D

MARK	REVISION	DATE

SHEET NOTES

- 1. EXISTING FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER INSIDE. CONTRACTOR TO ASSURE FIRE EXTINGUISHERS NOTED ARE UP TO DATE WITH INSPECTIONS.



TRAVEL PATHS

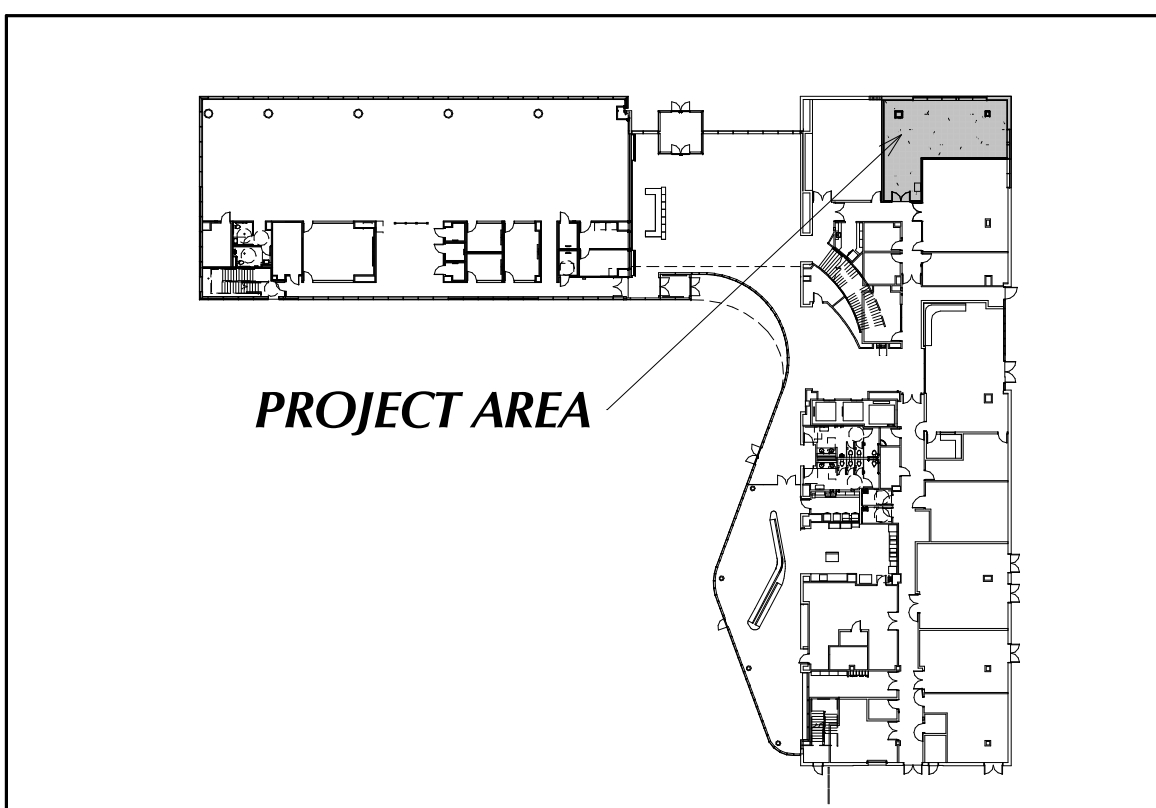
PATH	EGRESS PATH LENGTH
COMMON PATH OF EGRESS	60'-9 1/4"
EGRESSES PATH 1	191'-7 1/4"
EGRESSES PATH 2	126'-5"

MAXIMUM ALLOWABLE TRAVEL DISTANCE = 300'
 MAXIMUM ALLOWABLE COMMON PATH OF EGRESSES = 100'

⊗ EXIT SIGN

GENERAL NOTES

- A. SEE SHEET G001 FOR ALL RELATED CODE COMPLIANCE INFORMATION.



1 LEVEL 1 KEY PLAN
 G101 | SCALE: 1/64" = 1'-0"

<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT
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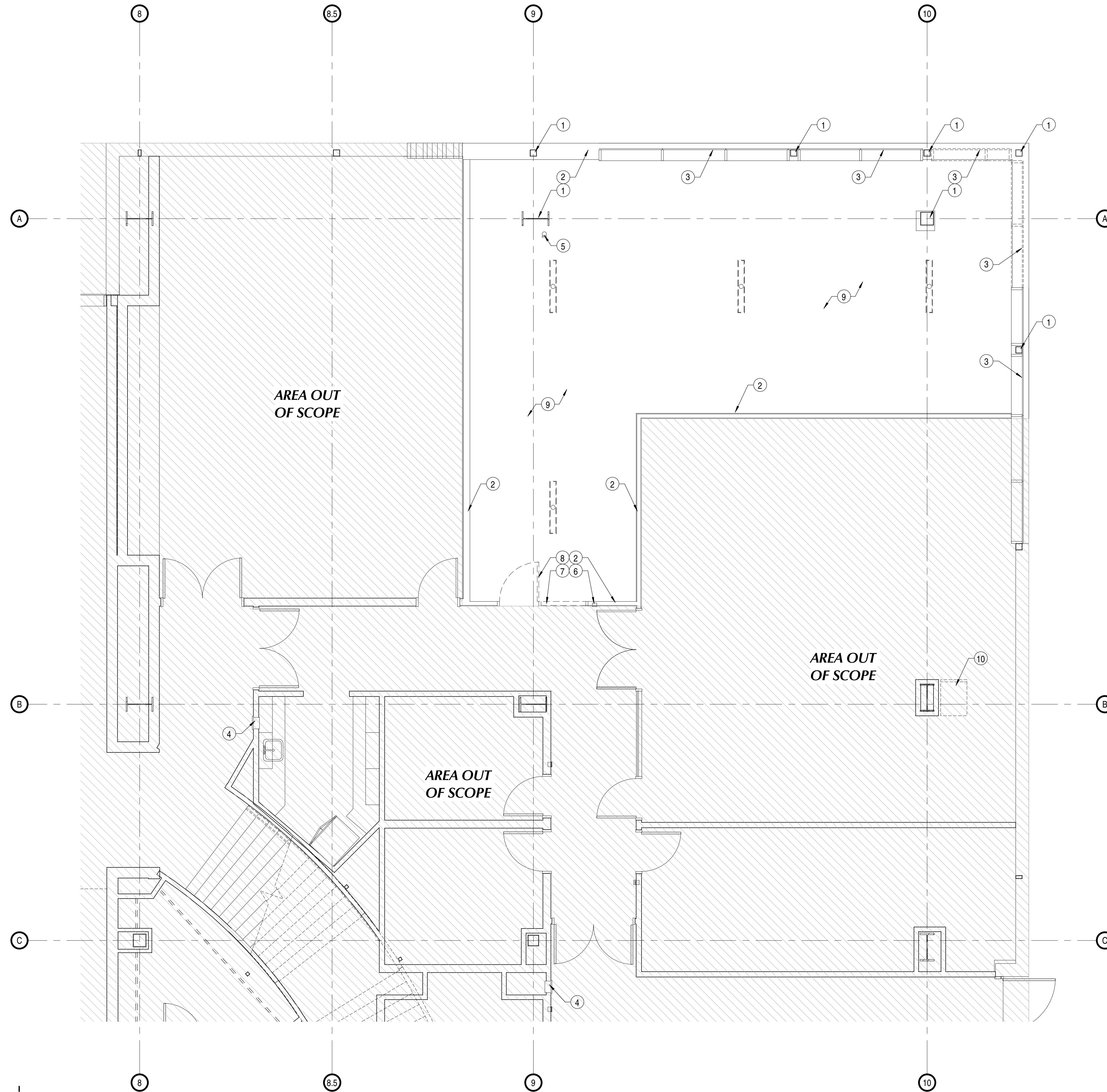
PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107	
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SHEET DESCRIPTION: LIFE SAFETY PLAN - LEVEL 1	SHEET: G101
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BIM 360://21-075 IHC Transformation Chimes21-075 Inermountain Transformation Center - Chimes TBC.rvt
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D3 LEVEL 1 LIFE SAFETY PLAN
 G101 | SCALE: 1/8" = 1'-0"

BIM 360://21-075 IHC Transformation Chimes21-075 Inermountain Transformation Center - Chimes TBC.rvt
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D2 DEMOLITION FLOOR PLAN - LEVEL 1
 AD101 SCALE: 1/4" = 1'-0"


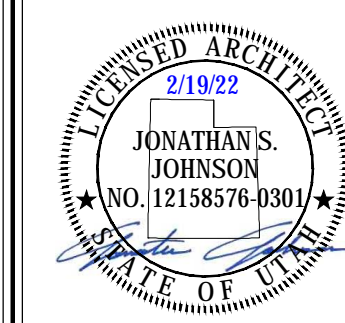
MARK	REVISION	DATE

SHEET NOTES

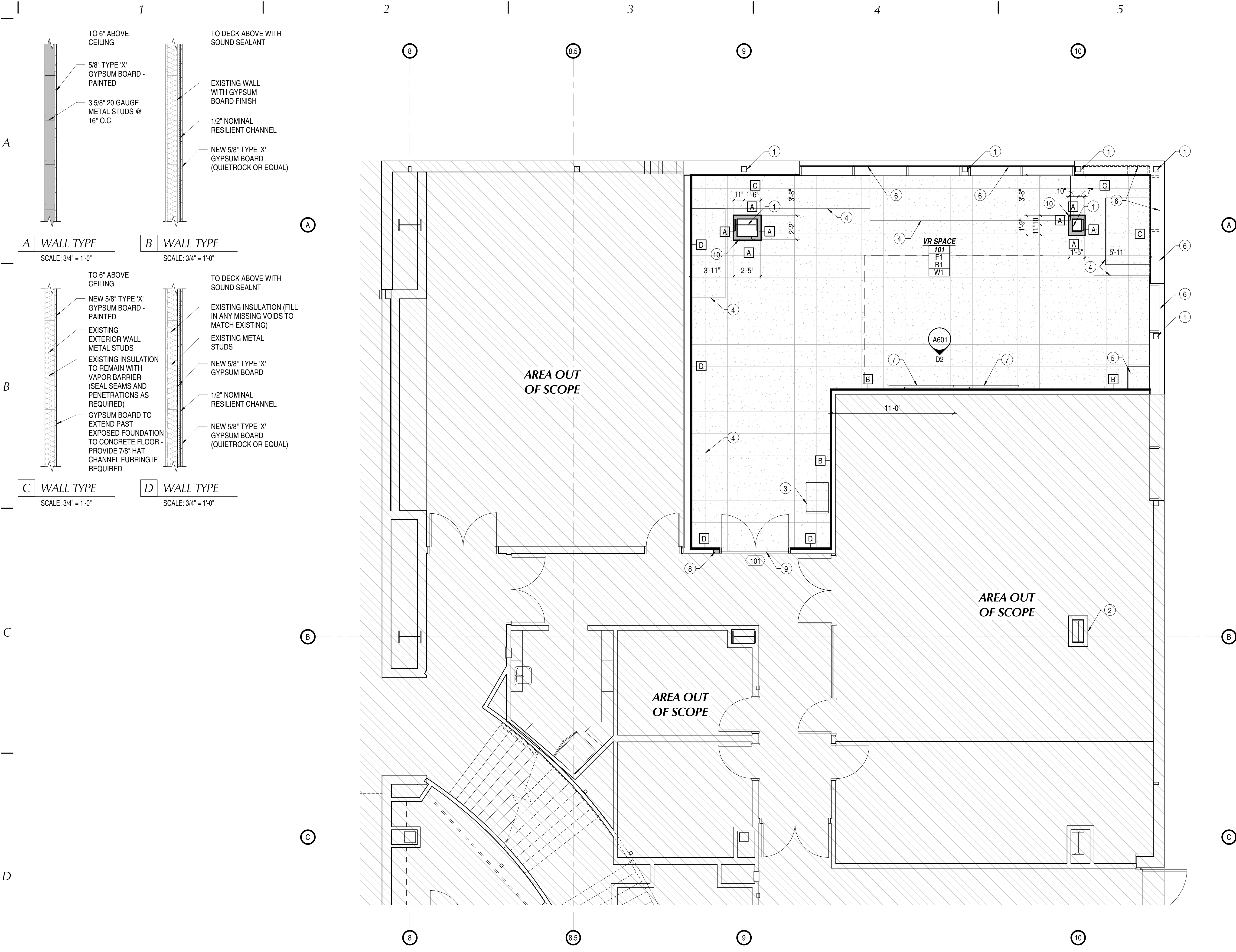
1. EXISTING STRUCTURAL STEEL COLUMN TO REMAIN. PROTECT FIRE PROTECTIVE SPRAY FROM DAMAGE AS REQUIRED.
2. EXISTING WALL TO REMAIN.
3. EXISTING WINDOW SYSTEM TO REMAIN.
4. EXISTING FIRE EXTINGUISHER TO REMAIN.
5. EXISTING PLUMBING PIPE TO REMAIN.
6. EXISTING CARD READER TO REMAIN.
7. DEMOLISH EXISTING WALL AS REQUIRED FOR NEW DOOR OPENING. COORDINATE EXTENT WITH NEW CONSTRUCTION.
8. DEMOLISH EXISTING DOOR, DOOR FRAME, AND ASSOCIATED HARDWARE.
9. REMOVE EXISTING LIGHTING AND FIRE ALARM DEVICES THROUGHOUT ROOM. AT OWNER'S OPTION, SAVE FOR REUSE.
10. REMOVE EXISTING AUDIO VISUAL RACK AND RELOCATE PER REVISED PLANS TO NEW LOCATION. SEE ELECTRICAL.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO DEMOLITION AND CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. GENERAL CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING DEMOLITION AND CONSTRUCTION FOR ALL EXISTING MATERIALS THAT ARE TO REMAIN. THIS MAY INCLUDE PROVIDING TEMPORARY BARRIERS OR PARTITIONS TO PROTECT ADJACENT AREAS FROM DUST AND OR DAMAGE FOR WALLS, DOORS, FLOORS, CEILINGS, ETC.
- C. AREAS WHERE PLUMBING, MECHANICAL AND ELECTRICAL WORK IS TO BE DONE ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES UNLESS OTHERWISE NOTED. SUCH AS HOLES LEFT BY REMOVAL OF PANEL, PHONES, CONDUITS, THERMOSTATS, PIPING, CONTROLS, ETC. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL FOR EXTENT OF WORK.
- D. CONTRACTOR SHALL VERIFY DIMENSIONS FOR NEW DOOR OPENINGS IN EXISTING WALLS.
- E. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
- F. SOME DEMOLITION WILL NEED TO OCCUR IN ORDER TO ROUTE NEW ELECTRICAL CONDUIT DOWN EXISTING WALLS FOR THE NEW TELEVISIONS AND FOR AUDIO VISUAL EQUIPMENT. COORDINATE LOCATIONS BETWEEN ALL TRADES.

 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmatah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT
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PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT	
5026 SOUTH STATE STREET MURRAY, UTAH 84107	SHEET DESCRIPTION: DEMOLITION FLOOR PLAN - LEVEL 1
SHEET: AD101	

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- SHEET NOTES**
- EXISTING STRUCTURAL STEEL COLUMN TO REMAIN. PROTECT FIRE PROTECTIVE SPRAY FROM DAMAGE AS REQUIRED.
 - CLEAN UP ELECTRICAL TERMINATIONS WHERE AUDIO VISUAL CABINET WAS RELOCATED AS REQUIRED. PATCH AND REPAIR WALL AS REQUIRED.
 - RELOCATE AV CABINET TO THIS LOCATION. SOME DEMOLITION OF EXISTING GYPSUM BOARD AND PATCHING AND REPAIRING WILL BE REQUIRED. COORDINATE BETWEEN ALL TRADES. SEE ELECTRICAL FURNITURE BY OWNER. COORDINATE ELECTRICAL NEEDS.
 - NEW AUDIO VISUAL RACK - O.F.O.I.. CONTRACTOR TO PROVIDE ELECTRICAL AND CONDUIT AS REQUIRED. COORDINATE ALL DETAILS WITH OWNER'S AUDIO VISUAL VENDOR. SOME DEMOLITION OF EXISTING GYPSUM BOARD AND PATCHING AND REPAIRING WILL BE REQUIRED. COORDINATE BETWEEN ALL TRADES. SEE ELECTRICAL.
 - EXISTING WINDOWS TO REMAIN.
 - WALL MOUNTED TELEVISION - O.F.O.I.. CONTRACTOR TO PROVIDE CONDUIT, ELECTRICAL AND BACKING AS REQUIRED. COORDINATE ALL DETAILS WITH OWNER'S AUDIO VISUAL VENDOR. SOME DEMOLITION OF EXISTING GYPSUM BOARD AND PATCHING AND REPAIRING WILL BE REQUIRED. COORDINATE BETWEEN ALL TRADES. SEE ELECTRICAL.
 - PATCH AND REPAIR WALL AS REQUIRED WHERE DOOR WAS REMOVED. CONTRACTOR TO ASSURE A SMOOTH FLOORING TRANSITION.
 - FRAME AROUND COLUMN AS TIGHT AS POSSIBLE. DIMENSIONS ARE TO THE FACE OF EXISTING STUDS AND NEW STUDS.

FINISH SCHEDULE / LEGEND
 NOTE: SEE INTERIOR ELEVATIONS FOR EXTENT OF FINISHES

CODE	MATERIAL
FLOOR F1	24" X 24" CARPET TILES - SHAW FOUNDATION TILE, EXTRAORDINARY COLLECTION STRATUS 68504 (MATCH EXISTING ORIENTATION)
BASE B1	4" PAINTED MDF BASE BOARD - MATCH EXISTING
WALL W1	SHERWIN WILLIAMS ALABASTER SW 7008 (PNT-1)

- GENERAL NOTES**
- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
 - COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
 - AN AUTOMATIC FIRE SPRINKLER SYSTEM IS EXISTING WITHIN THE SPACE. MODIFY THE EXISTING SYSTEM TO BE COMPLIANT WITH NFPA 13. PROVIDE DRAWINGS, AND CALCULATIONS AS REQUIRED FOR FIRE MARSHAL REVIEW. SEE PLUMBING FOR ADDITIONAL INSTRUCTIONS.
 - SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
 - SEE SHEET A151 FOR REFLECTED CEILING PLAN INFORMATION.
 - SEE SHEET A601 FOR DOOR INFORMATION AND FOR INTERIOR ELEVATIONS.
 - SPRAY FOAM FIRE PROTECTION IS EXISTING AND MUST REMAIN. CONTRACTOR TO MAINTAIN AND PROTECT FROM DAMAGE. CONTRACTOR TO REPAIR ANY FIRE PROOFING DAMAGED AS PART OF THIS PROJECT TO MATCH EXISTING FIRE RATINGS.
 - SEE G001 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
 - PROVIDE METAL BLOCKING / WOOD BLOCKING FOR WALL MOUNTED ITEMS - AS REQUIRED. BUILDING TYPE IS OF NON-COMBUSTIBLE CONSTRUCTION. IF WOOD BLOCKING IS TO BE PROVIDED, IT MUST BE FIRE TREATED. ALL COLORS SELECTIONS AND FINISH MATERIALS AND STYLES SHALL BE FINALIZED WITH THE OWNER DURING CONSTRUCTION.
 - PAINTED HOLLOW METAL (STEEL) DOOR TRIM SHALL MATCH THE ADJACENT WALL COLOR. FIELD VERIFY COLOR IN CORRIDOR MATCHES THE "W-1" COLOR.
 - ALL TRANSITIONS SHALL BE ADA COMPLIANT. CONTRACTOR TO FIELD VERIFY ALL CONDITION. PREFERENCE IS TO HAVE A SMOOTH TRANSITION (WITHOUT TRANSITION MATERIAL STRIP) CARPET TO CARPET. CONTRACTOR TO VERIFY ALL CONDITIONS. INCLUDE AN ALLOWANCE FOR MINIMAL FLOOR PREPARATION (LEVELING) IN BID.
 - DO NOT SCALE DRAWINGS.

 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmatah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT
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PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT	
5026 SOUTH STATE STREET MURRAY, UTAH 84107	SHEET DESCRIPTION: FLOOR PLAN - LEVEL 1
SHEET: A101	

D3 FLOOR PLAN - LEVEL 1
 A101 | SCALE: 1/4" = 1'-0"

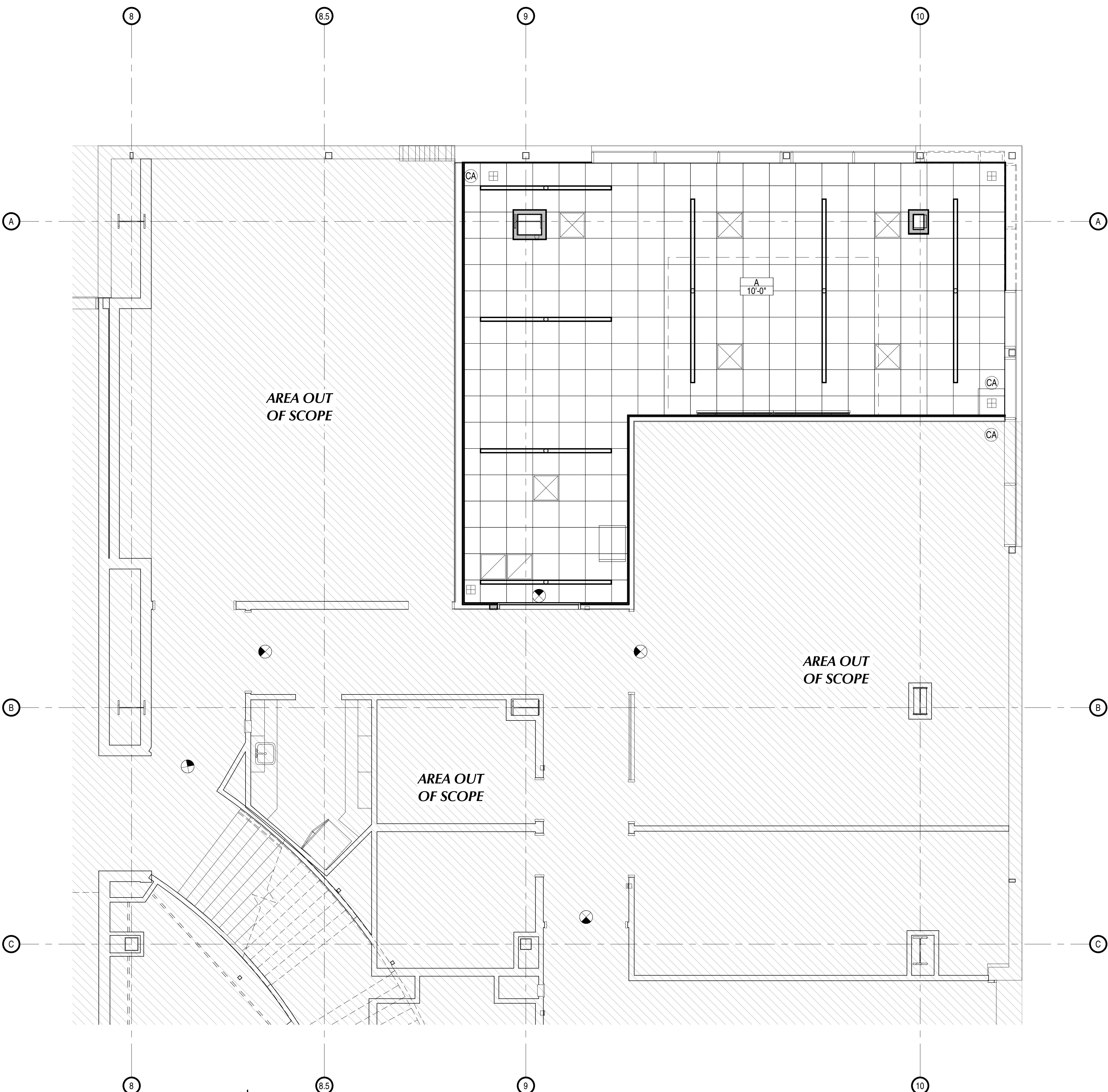
1 2 3 4 5

A

B

C

D



MARK	REVISION	DATE

CEILING LEGEND

A	2x2 SUSPENDED CEILING SYSTEM WITH GRID: CHICAGO METALLIC 1200 SERIES 15/16", TILE: ROCKFON ALASKA DB SLT WITH TEGULAR EDGE. SEE DETAIL D1/A501
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ELECTRICAL/MECHANICAL SYMBOLS

	LINEAR LIGHT FIXTURE		EXIT SIGN
	SUPPLY DIFFUSER		CAMERA
	RETURN AIR DIFFUSER		WIRELESS ACCESS POINT
	EXHAUST FAN		

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS EXISTING WITHIN THE SPACE. MODIFY THE EXISTING SYSTEM TO BE COMPLIANT WITH NFPA 13. PROVIDE DRAWINGS, AND CALCULATIONS AS REQUIRED FOR FIRE MARSHAL REVIEW. SEE PLUMBING FOR ADDITIONAL INSTRUCTIONS. FIRE SPRINKLERS TO BE CENTERED IN CEILING TILES.
- C. MECHANICAL, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
- D. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
- E. SEE DETAIL D2/A501 AND D3/A501 FOR TYPICAL SEISMIC BRACING.
- F. SEE DETAIL C2/A501 FOR TYPICAL SEISMIC LIGHT BRACING.
- G. SEE DETAIL B4/A501 FOR TYPICAL WALL BRACING.
- H. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
- I. DO NOT SCALE DRAWINGS.

BIM 360/21-075 IHC Transformation Chimes21-075 Inermountain Transformation Center - Chimes TBD.rvt
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D3 REFLECTED CEILING PLAN - LEVEL 1
A151 | SCALE: 1/4" = 1'-0"

 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmatah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT
	PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107
SHEET DESCRIPTION: REFLECTED CEILING PLAN - LEVEL 1	SHEET: A151

MARK	REVISION	DATE

A

B

C

D

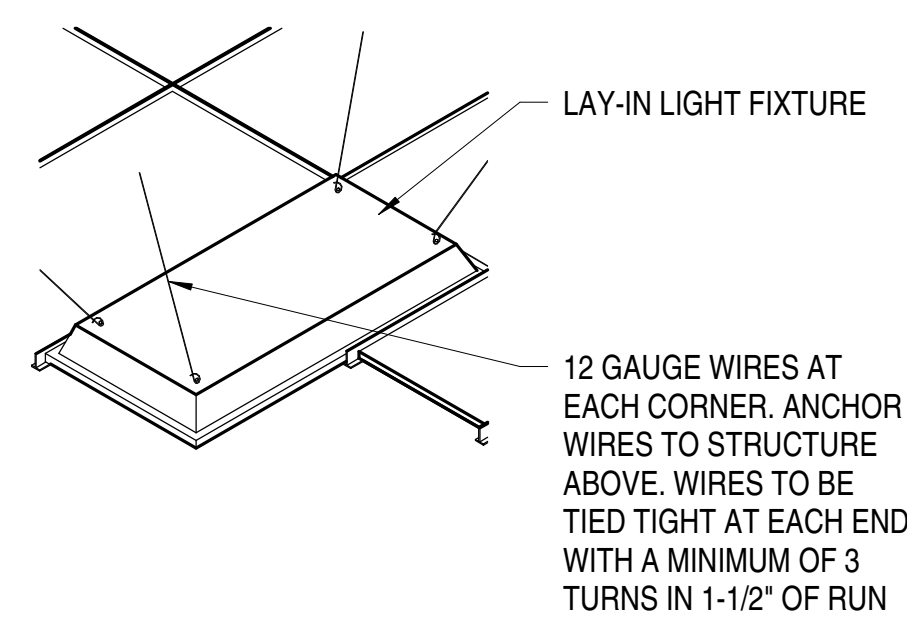
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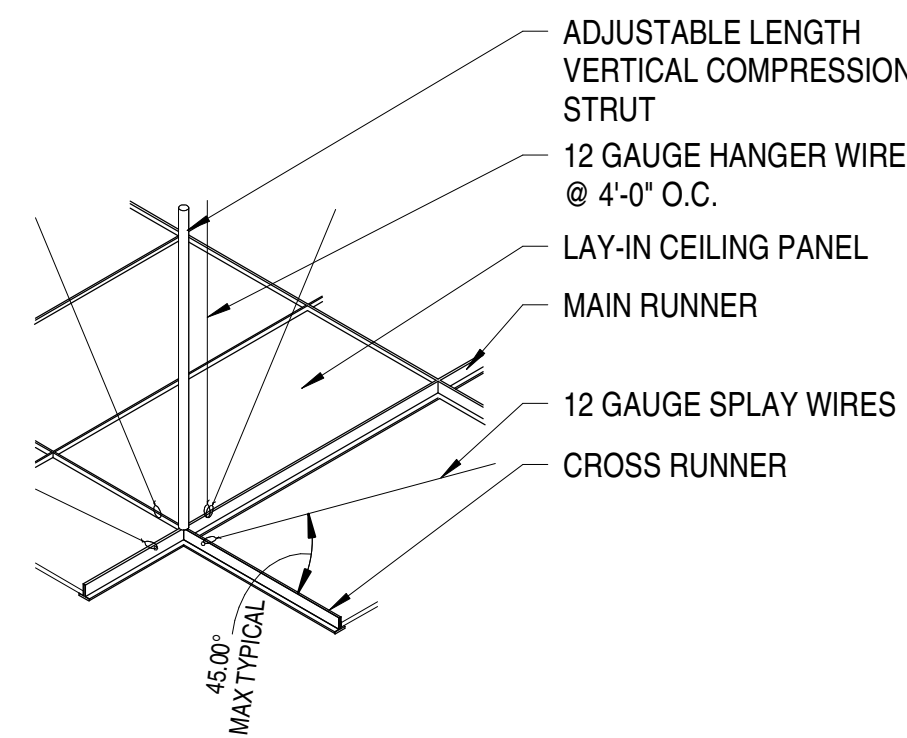
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4

5



C2 SEISMIC LIGHT DETAIL
A501 | SCALE: 1" = 1'-0"

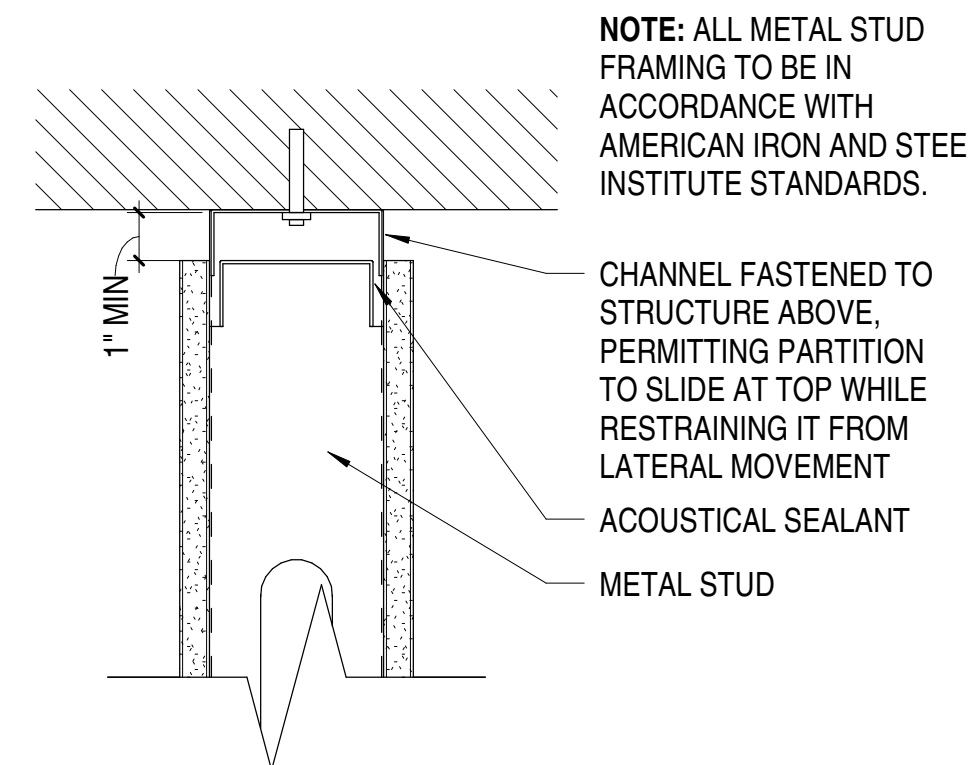


D2 SEISMIC CEILING DETAIL
A501 | SCALE: 1" = 1'-0"

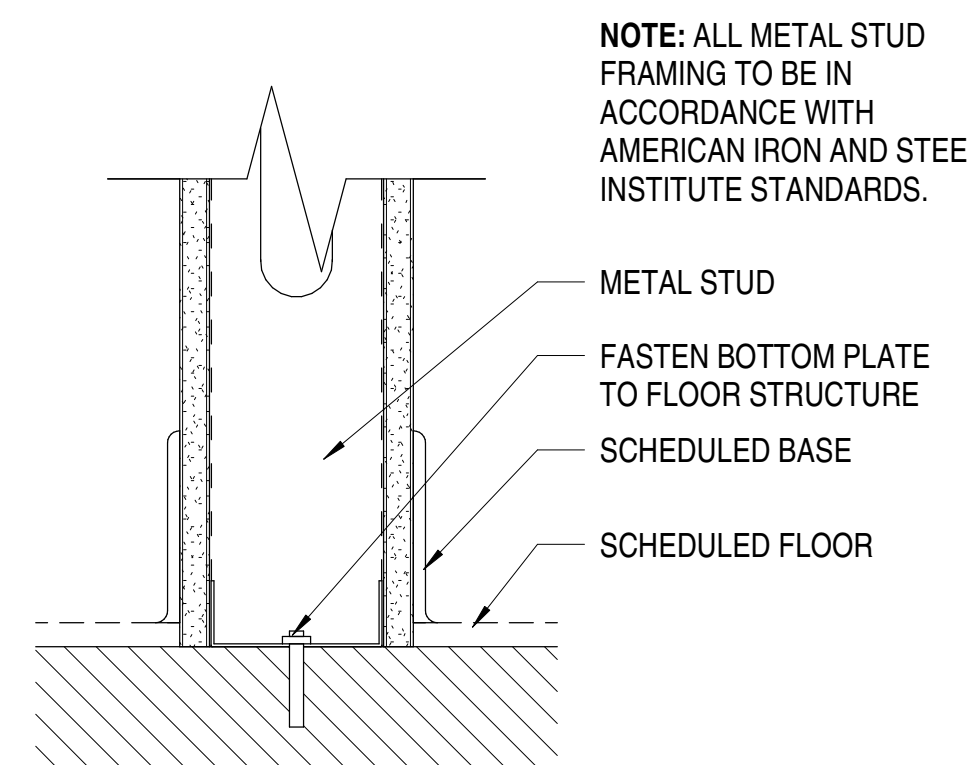
SUSPENDED CEILING SYSTEM NOTES:

- SUSPENDED CEILING SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH IBC 808.1.1.1, ASTM C635/636, ASCE 7, AND CISCA 3-4.
- ALL CEILINGS ARE TO HAVE VERTICAL COMPRESSION STRUTS, SEISMIC BRACING, HANGERS, ETC., AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4.
- HEAVY DUTY T-BAR SYSTEM WITH PERIMETER SUPPORTING CLOSURE ANGLE AND CODE COMPLIANT SEISMIC CLIPS IS REQUIRED. ATTACHED ONE END OF THE CEILING GRID TO THE CLOSURE ANGLE IN EACH DIRECTION. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON THE BE FREE TO SLIDE ON THE CLOSURE ANGLE.
- SPLAY WIRES AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4. ALL SPLAY WIRES ARE TO BE IN LINE WITH ATTACHED COMPONENT AND ARE TO BE TIED TIGHT AT EACH END WITH A MINIMUM OF 3 TURNS IN 1-1/2" OF RUN.
- ANCHOR WIRES ONLY TO STRUCTURAL MEMBERS AND DECKING IN AN APPROVED MANNER PER CISCA 3-4 DO NOT ANCHOR TO BRIDGING. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOT SHALL THEY BE LESS THAN 6" TO ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
- SUPPORT ALL RUNNERS AT 8" MAXIMUM FROM WALL OR CEILING DISCONTINUITY.
- FOUR-WAY DIAGONAL BRACING AND COMPRESSION STRUTS 12'-0" O.C. EACH WAY.
- PROVIDE CEILING HORIZONTAL RESTRAINT TO THE STRUCTURE ABOVE FOR CEILING AREAS GREATER THAN 1,000 SQUARE FEET TO MINIMIZE DIAPHRAGM LOADS.
- PROVIDE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS FOR CEILING AREAS GREATER THAN 2,500 SQUARE FEET.
- CHANGES IN CEILING PLANE ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
- CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENT FROM THE SUSPENDED CEILING SYSTEM.
- PROVIDE 2" OVERSIZE RINGS, SLEEVES OR ADAPTERS THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT FOR AT LEAST 1" MOVEMENT IN ALL DIRECTIONS FOR FIRE SPRINKLER HEADS AND OTHER SIMILAR PENETRATIONS.
- SPECIAL INSPECTION REQUIRED OF SUSPENDED CEILING SYSTEMS.

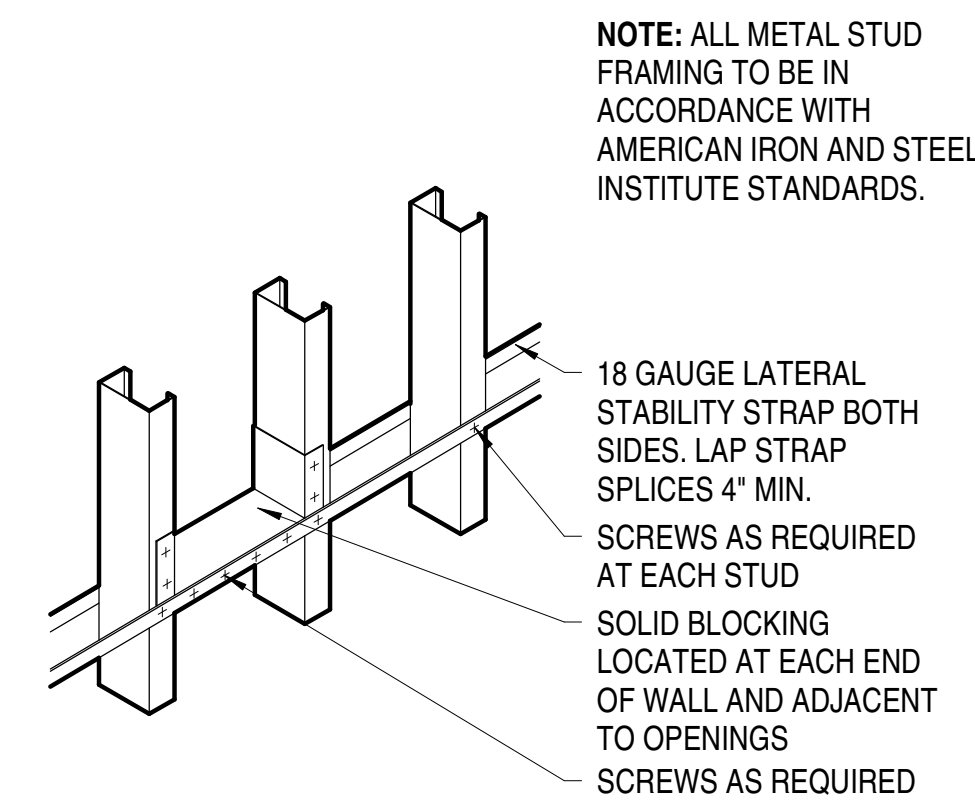
D3 SUSPENDED CEILING NOTES
A501 | SCALE: 1 1/2" = 1'-0"



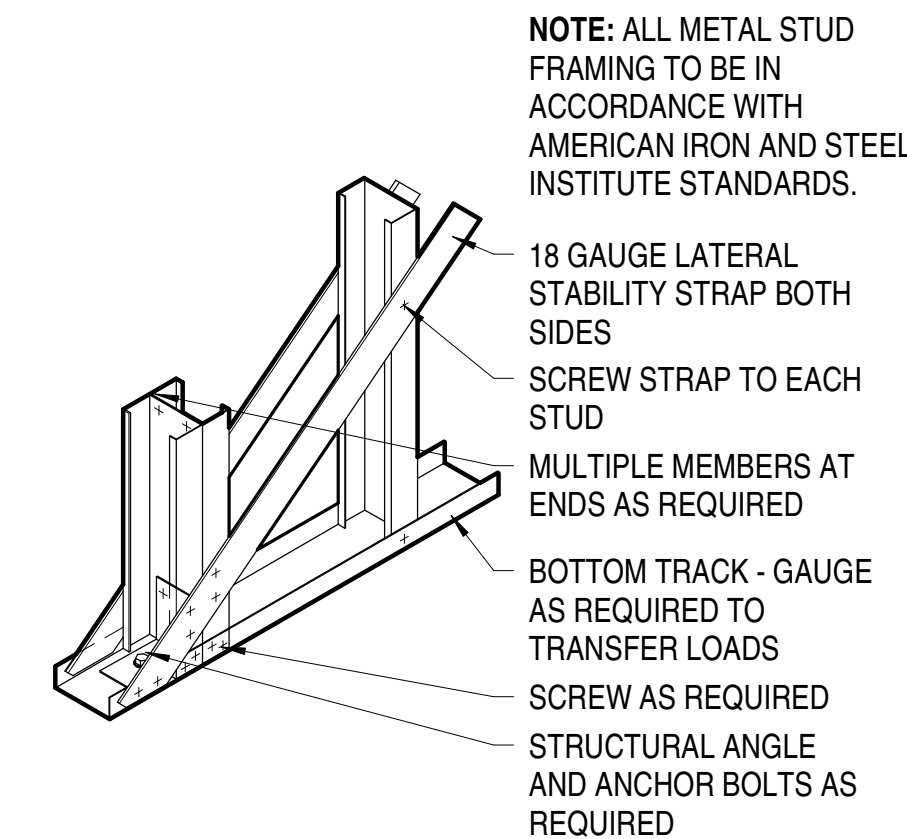
C4 WALL DEFLECTION DETAIL
A501 | SCALE: 3" = 1'-0"



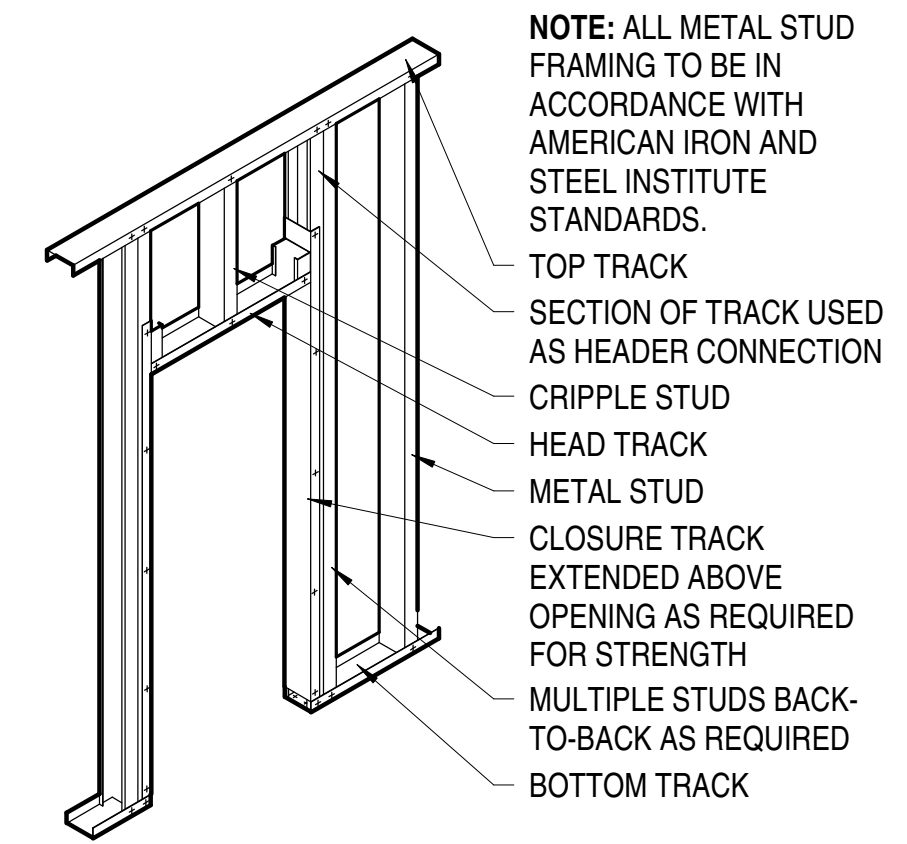
D4 WALL TO FLOOR DETAIL
A501 | SCALE: 3" = 1'-0"



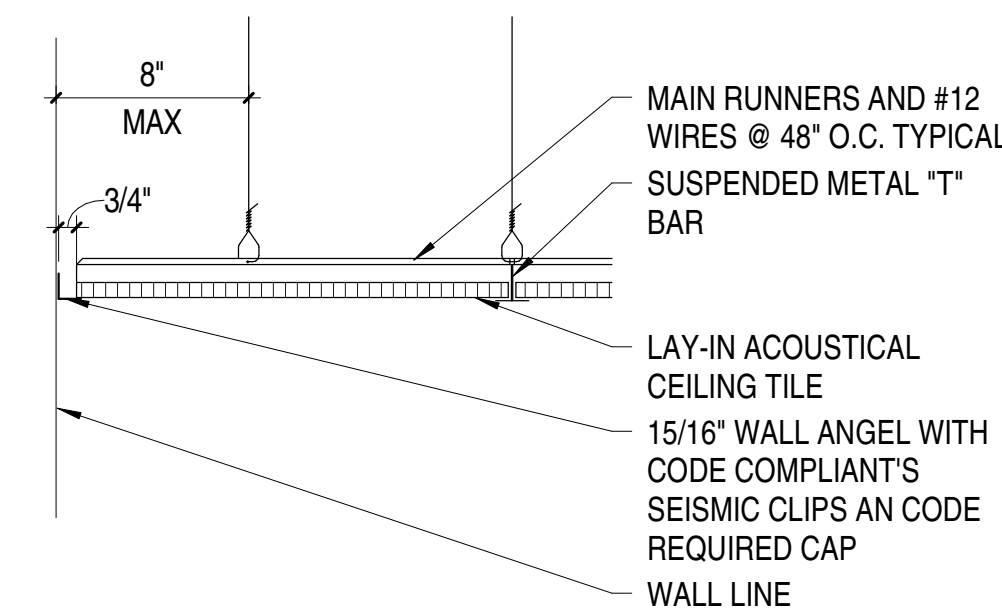
B5 METAL STUD BLOCKING DETAIL
A501 | SCALE: NOT TO SCALE



C5 METAL STUD STRAP DETAIL
A501 | SCALE: NOT TO SCALE



D5 METAL STUD FRAMING DOOR DETAIL
A501 | SCALE: NOT TO SCALE



D1 ACOUSTICAL CEILING DETAIL
A501 | SCALE: 1 1/2" = 1'-0"

<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT</p>
	<p>PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT</p> <p>5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>
<p>SHEET DESCRIPTION: MISCELLANEOUS DETAILS</p>	<p>SHEET: A501</p>

DOOR HARDWARE				
HARDWARE GROUP 1 (101)				
5	EA	HINGE, FULL MORTISE	TA2714	US26D MK
1	EA	ELECTRIC HINGE	A2714-QC12	US26D MK
1	EA	FLUSH BOLT	2945	US26D RO
1	EA	DUST PROOF STRIKE	570	US26D RO
1	EA	ACCESS CONTROL MORT LOCK	SN200-82271-24V LNL LC	US26D SA
1	EA	TWIN V10 MORTISE CYLINDER	V6551 OR AS REQ'D TO MATCH FACILITY STANDARD	US26D AA
1	EA	CONCEALED OVERHEAD HOLDER/STOP	698H	EN SA
1	EA	SURFACE CLOSER	351 O	EN SA
2	EA	KICK PLATE	K1050 10" HIGH CSK BEV	US32D RO
1	EA	WALL STOP	401	US26D RO
1	EA	GASKETING	S44BL	- PE
1	EA	FRAMLESS HARNESS	QC-C1500P	- MK
1	EA	DOOR HARNESS	QC-CxxP	- MK
1	EA	POWER SUPPLY	AQD SERIES AS REQ'D	- SU

NOTES: DOOR NORMALLY CLOSED AND LOCKED. ACCESS BY VALID CREDENTIAL AT CARD READER OR BY KEY OVERRIDE. DOOR REMAINS LOCKED IF POWER IS LOST. FREE EGRESS AT ALL TIMES.

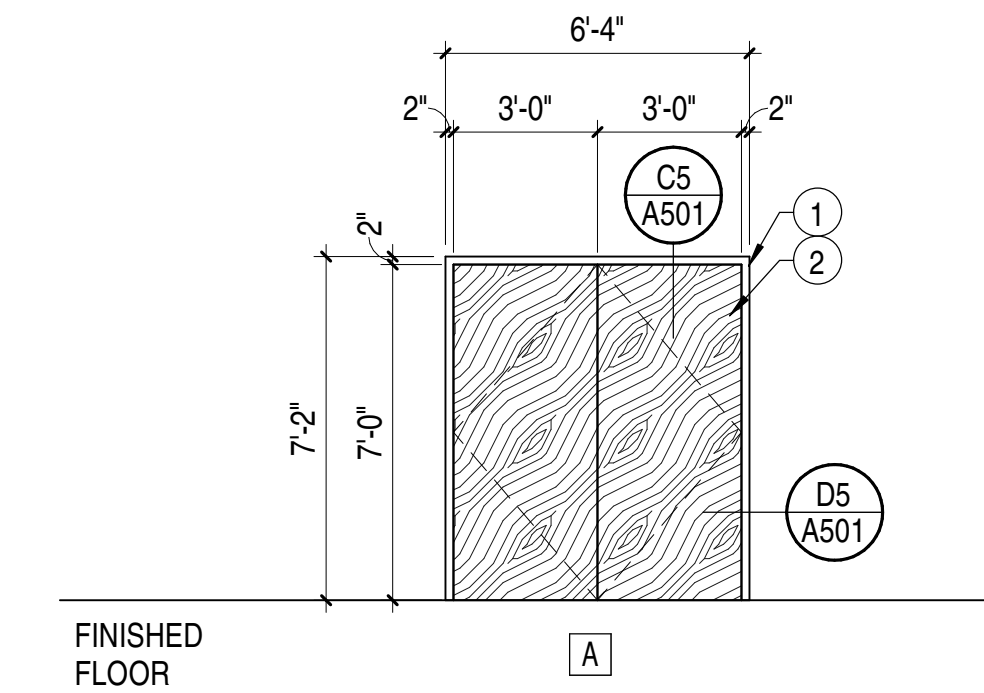
DOOR SCHEDULE									
MARK	TYPE	DOOR SIZE			MATERIAL		HARDWARE	RATING	COMMENTS
		WIDTH	HEIGHT	THICK	DOOR	FRAME			
101	A	6'-0"	7'-0"	1 3/4"	WOOD	STEEL	1		CARD READER, EAST DOOR LEAF OPERABLE IN NORMAL OPERATION, WEST LEAF FIXED WITH MANUAL FLUSH BOLTS

DOOR SCHEDULE NOTES:
 1- CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL ELECTRICAL NEEDS FOR CARD READERS AND SHALL PROVIDE ANY INFRASTRUCTURE NECESSARY FOR A FULLY FUNCTIONAL SYSTEM (INCLUDING CONDUIT RACEWAYS).

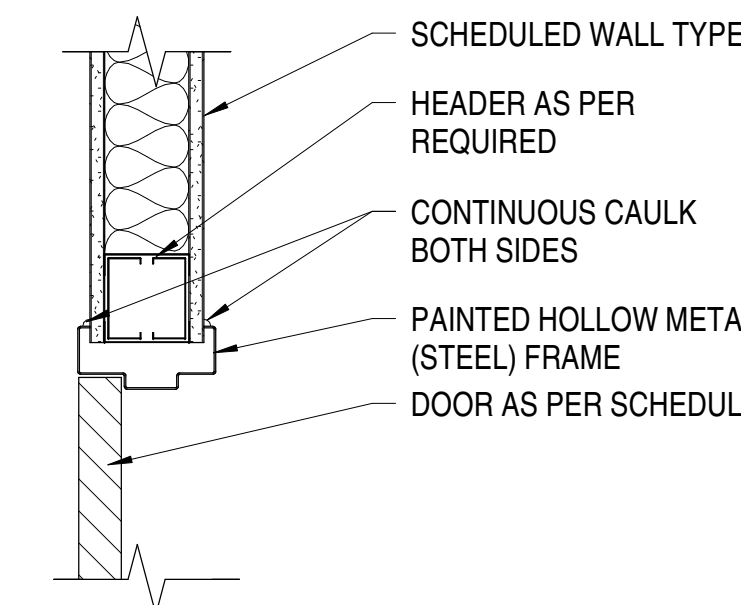
MARK	REVISION	DATE

SHEET NOTES

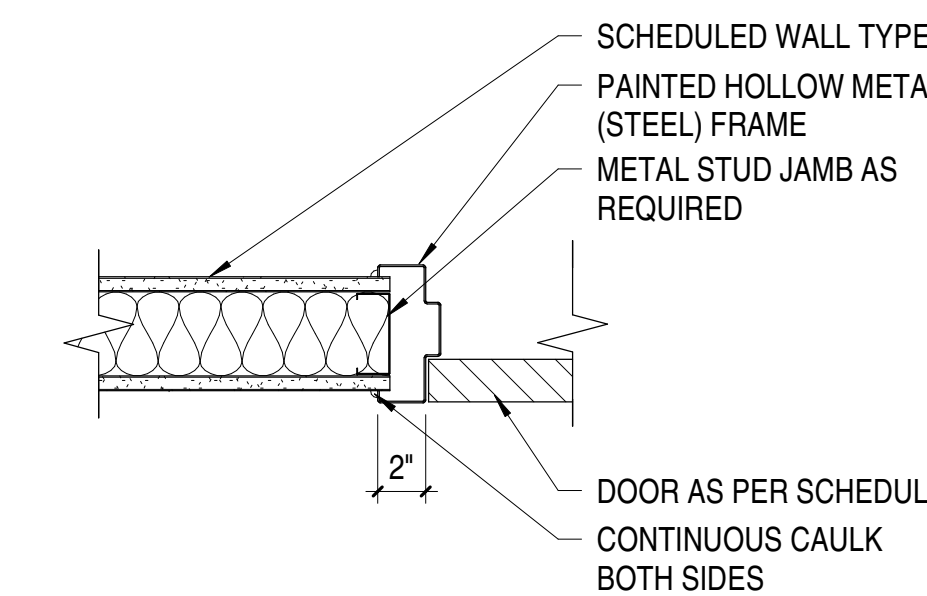
- PAINTED HOLLOW METAL (STEEL) DOOR FRAME.
- STAINED AND SEALED SOLID CORE WOOD DOOR TO MATCH EXISTING.
- PAINTED GYPSUM BOARD. SEE A101 FOR COLOR.
- SCHEDULED BASE.
- TELEVISION - O.F.O.I.. CONTRACTOR TO PROVIDE ELECTRICAL AND BACKING AS REQUIRED. COORDINATE ALL DETAILS WITH OWNER'S AUDIO VISUAL VENDOR.
- SCHEDULED DOOR BEYOND.
- AUDIO VISUAL RACK.



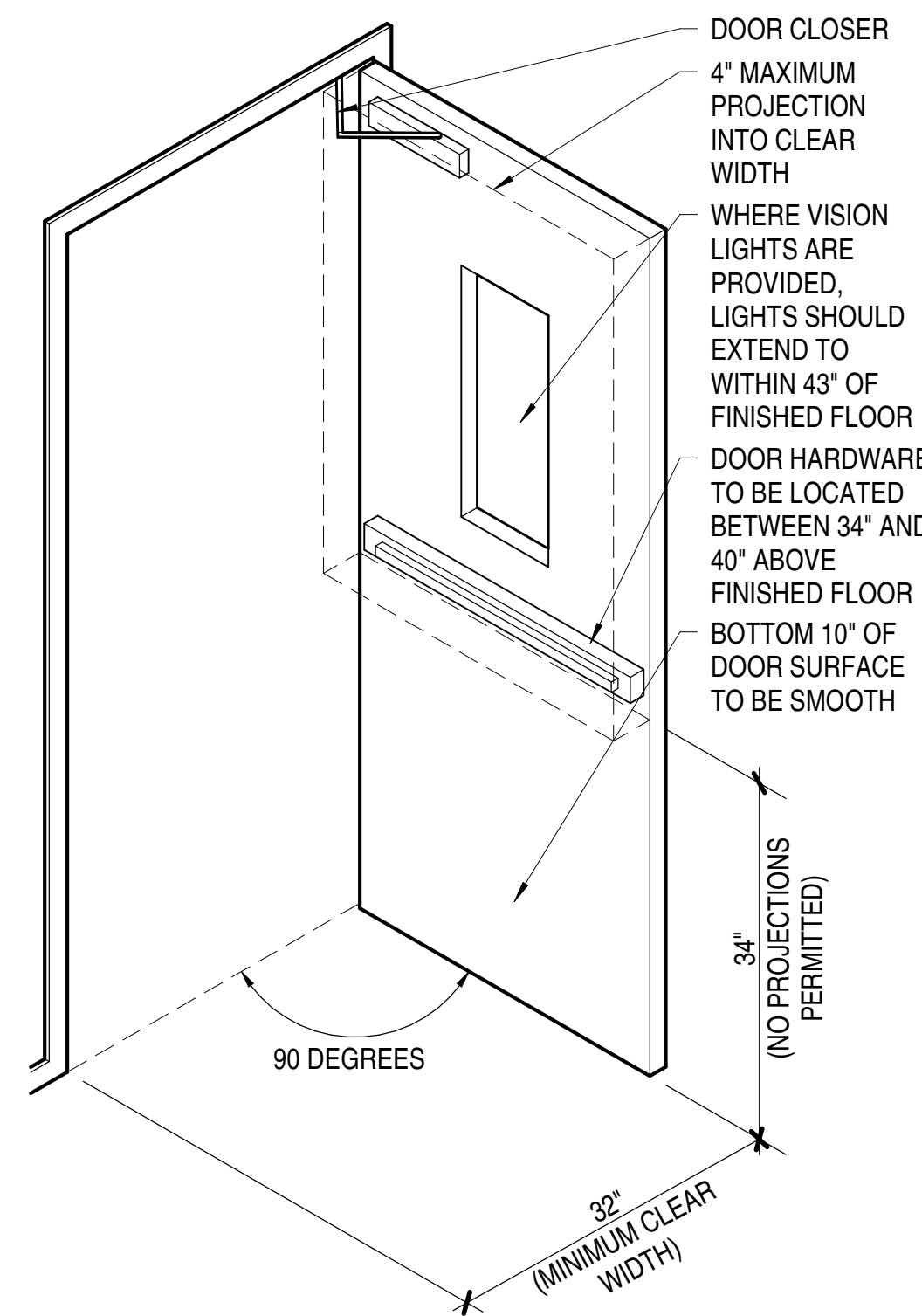
B5 DOOR TYPES
 A601 | SCALE: 1/4" = 1'-0"



C5 H/M DOOR HEAD DETAIL
 A601 | SCALE: 1 1/2" = 1'-0"

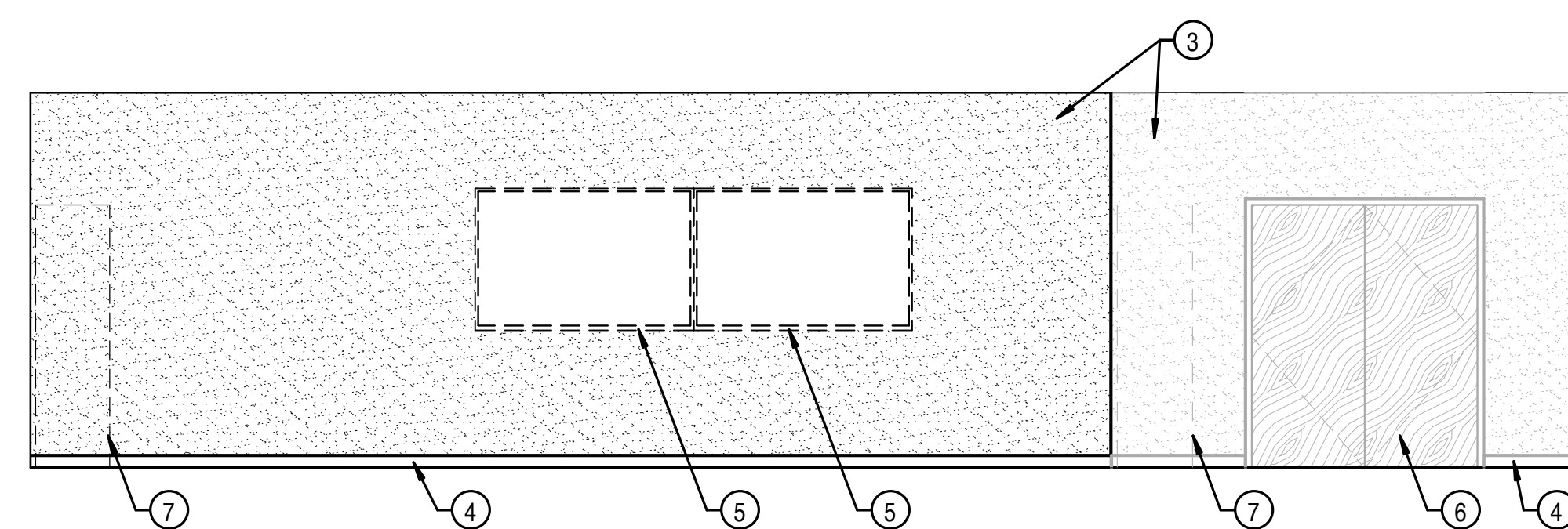


D5 H/M DOOR JAMB DETAIL
 A601 | SCALE: 1 1/2" = 1'-0"



NOTE: HARDWARE TO BE OPERATED WITH ONE HAND, WITHOUT TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THRESHOLDS ARE LIMITED TO 1/2" MAXIMUM HEIGHT. INTERIOR DOORS, OTHER THAN FIRE DOORS, SHOULD BE ABLE TO BE OPERATED WITH 5 POUNDS OF FORCE. EXTERIOR DOOR AND FIRE DOORS ARE REGULATED BY THE AUTHORITY HAVING JURISDICTION. REFER TO ANSI STANDARD A117.1 FOR APPROACH REQUIREMENTS.

D4 ACCESSIBLE DOOR
 A601 | SCALE: 1/4" = 1'-0"



D2 AV WALL
 A601 | SCALE: 1/4" = 1'-0"

GENERAL NOTES

- THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
- DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
- ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
- ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
- CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
- KEYING TO BE PROVIDED BY CONTRACTOR. COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
- ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.

<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT
	<p>PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT</p> <p>5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>
SHEET DESCRIPTION: DOORS AND INTERIOR ELEVATIONS	SHEET: A601

MARK	REVISION	DATE

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	UNDER FLOOR DUCT
	TURNING VANES
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE
	INCLINED DROP
	RW=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER
	ACCESS PANEL IN DUCT OR PLENUM
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2" TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

PIPING

	SHUT OFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	MOTOR OPERATED BUTTERFLY VALVE
	GATE VALVE
	GATE VALVE - NON RISING STEM
	ANGLE VALVE
	GLOBE VALVE
	PLUG VALVE
	SHUT OFF PLUG VALVE FOR USE WITH PRESSURE GAUGE
	CHECK VALVE
	LATERAL STRAINER WITH BLOW-OFF VALVE. PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
	F&T=FLOAT & THERMOSTATIC
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING VALVE EXTERNAL PRESSURE
	PRESSURE REDUCING VALVE SELF CONTAINED
	ATC - 2 WAY VALVE
	ATC - 3 WAY VALVE
	SOLENOID VALVE
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	VENTURI FLOW METER
	FLOW METER ORIFICE
	RELIEF VALVE
	AIR VENT-MANUAL
	FLOW SWITCH
	PRESSURE SWITCH
	TEMPERATURE AND PRESSURE TEST PORT
	THERMOMETER WELL
	THERMOMETER - TEMP RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
	PRESSURE GAUGE WITH PIGTAIL
	UNION
	FLANGE
	FLEXIBLE EXPANSION JOINT
	REDUCER
	ECCENTRIC REDUCER
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISER - DOWN (ELBOW)
	RISER - UP (ELBOW)
	PIPE CAP
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	LEADER INDICATES DOWNWARD SLOPE
	VALVE IN RISE
	90° ELBOW
	45° ELBOW

EQUIPMENT

	UNIT HEATER
	INLINE PUMP
	INLINE PUMP
	FAN

FIRE

	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
	FIRE SPRINKLER WATER

ANNOTATIONS

	P-1 PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION
	SWITCH
	SENSOR
	THERMOSTAT

BIM 360/21-075 IHC Transformation Chimes21629 IHC Chimes Expansion Mech v21.rvt 2/11/2022 7:18:44 AM

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 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmatah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: KJM CHECKED BY: KJM
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PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107	
SHEET DESCRIPTION: MECHANICAL SYMBOLS AND LEGEND	SHEET: ME000

CONSTRUCTION DOCUMENTS

△	MARK	REVISION	DATE

FIRE PROTECTION GENERAL NOTES

- NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN THE FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
- COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

MECHANICAL PIPING GENERAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- UNLESS OTHERWISE NOTED, ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
- WHERE VALVING OR EQUIPMENT IS LOCATED ABOVE HARD CEILINGS PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24"X24".
- NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
- SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
- INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
- PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
- INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
- PROVIDE ISOLATION VALVES AT EACH EXIT/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

MECHANICAL GENERAL NOTES

- COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
- SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
- BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
- COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. SEE SPECIFICATION, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFF/TEST SWITCH AT EACH LOCATION.
- PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
- INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
- CONTRACTOR SHALL OFF-SET, TRANSITION AND PROVIDE CHANGES AS REQUIRED FOR COORDINATION WITH OTHER TRADES, TYPICAL.
- DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.
- PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS. SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
- PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK.
- PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
- WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
- AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
- MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
- ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
- PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MIN. 24" X 24".
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- ALL DUCTWORK ABOVE HARD CEILINGS SHALL BE EXTENDED ALL THE WAY TO THE SUPPLY DIFFUSERS, RETURN GRILLES OR EXHAUST GRILLES WHETHER OR NOT HARD DUCT OR FLEX DUCT IS SHOWN ON PLANS. FLEX DUCT WILL NOT BE ALLOWED TO DIFFUSERS OR GRILLES ABOVE HARD CEILINGS. FLEX DUCT WILL BE REQUIRED IN AREAS ABOVE T-BAR CEILINGS.
- NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS.
- THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24"X24" ACCESS DOOR.

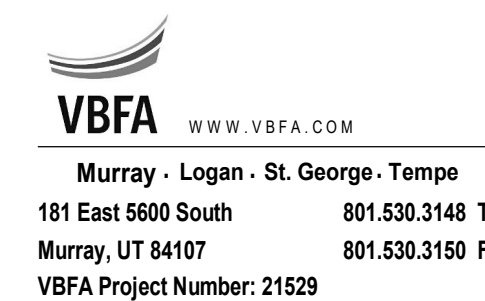
A

B

C

D

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 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: KJM CHECKED BY: KJM
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PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107	
SHEET DESCRIPTION: MECHANICAL GENERAL NOTES	SHEET: ME001

CONSTRUCTION DOCUMENTS

1

2

3

4

5

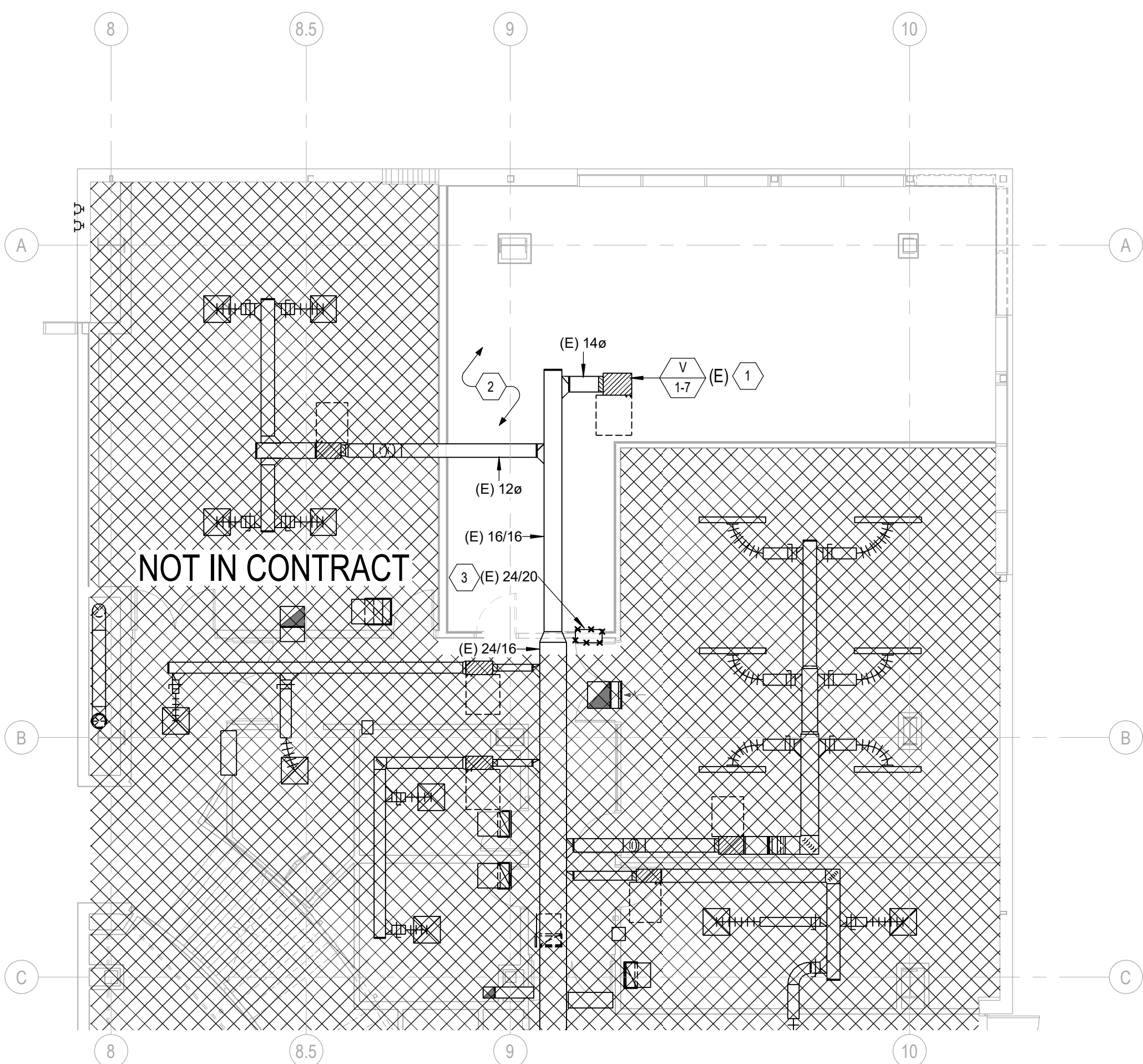
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KEYED NOTES

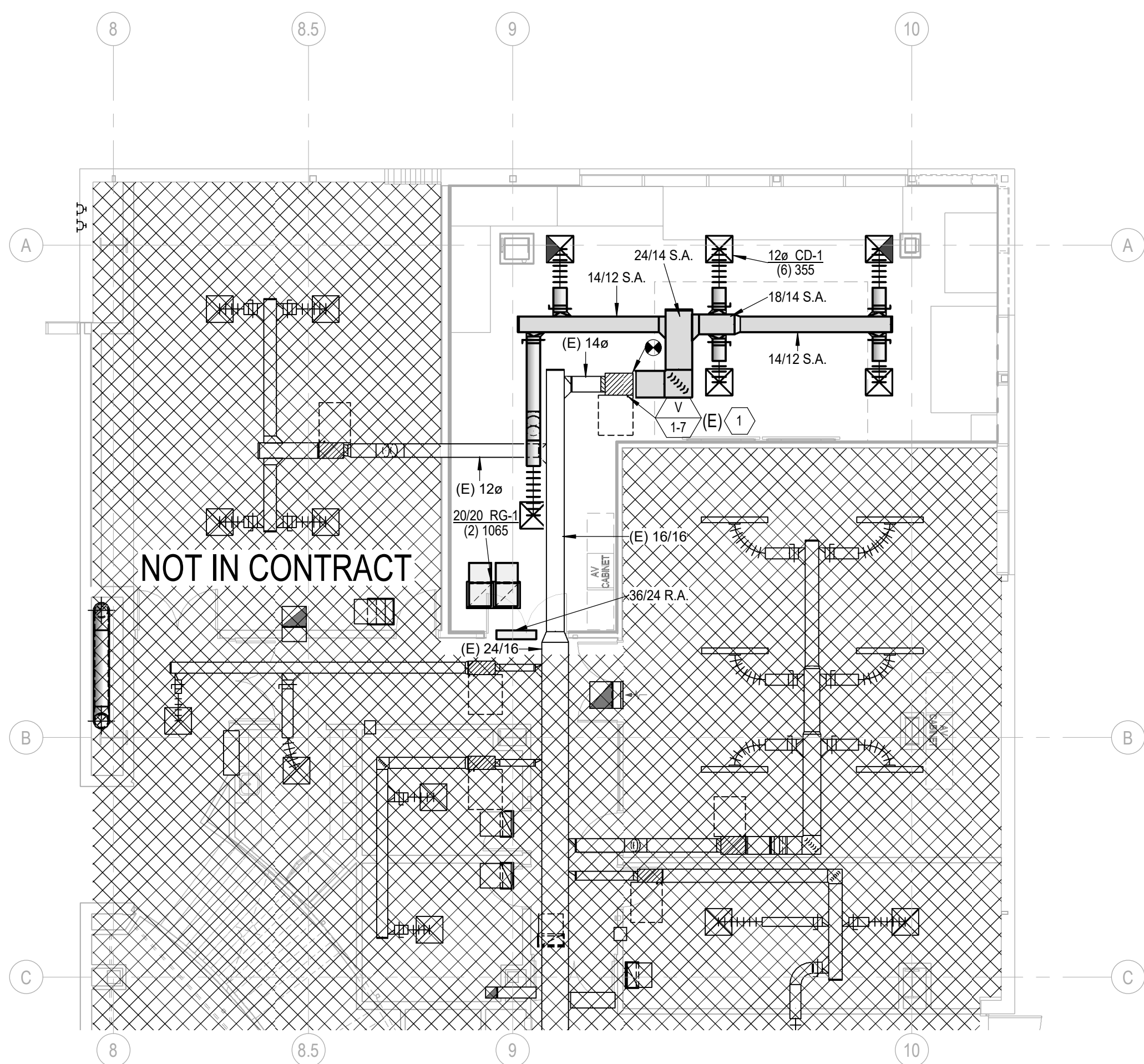
- THIS EXISTING VAV BOX IS TO REMAIN IN SERVICE. PROTECT FROM DAMAGE.
- UNLESS OTHERWISE NOTED, THE EXISTING DUCTWORK IN THE REMODEL AREA IS TO REMAIN IN SERVICE. PROTECT FROM DAMAGE.
- THIS EXISTING TRANSFER AIR DUCT IS TO BE REMOVED. A NEW LARGER TRANSFER AIR DUCT WILL BE INSTALLED IN THE SAME PLACE.

A

B



1 MECHANICAL DEMO PLAN LEVEL 1
MH101 | SCALE: 1/8" = 1'-0"



2 MECHANICAL PLAN LEVEL 1
MH101 | SCALE: 1/8" = 1'-0"

C

D

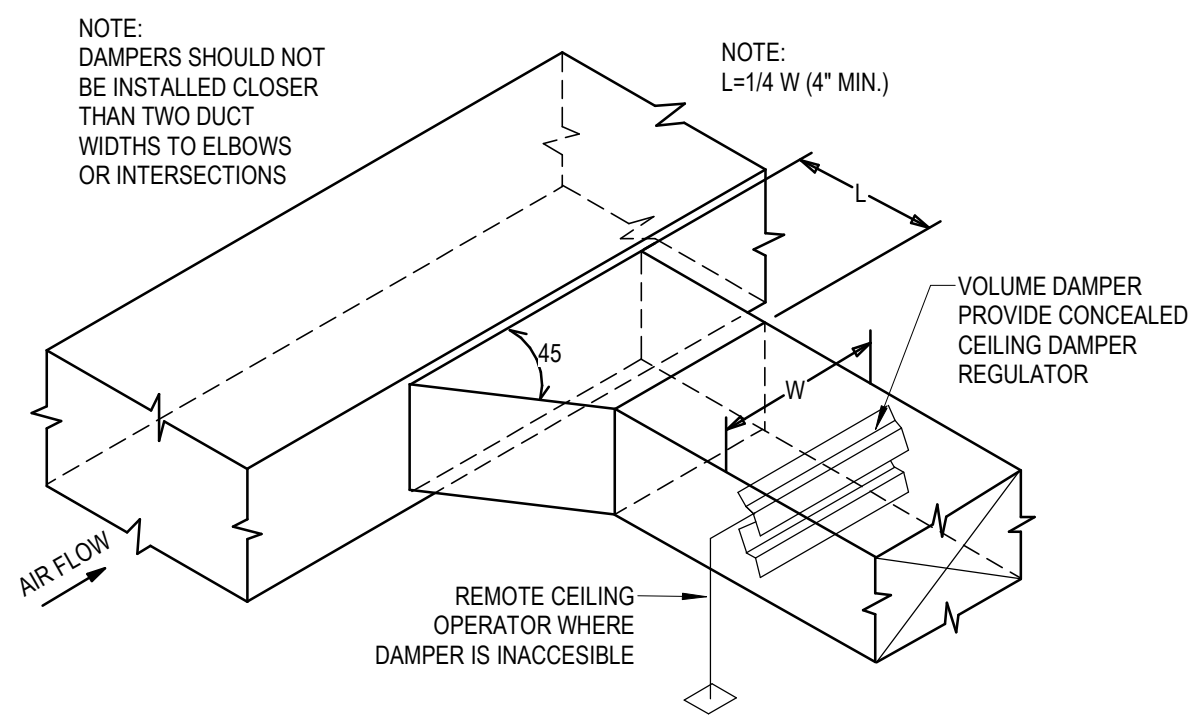
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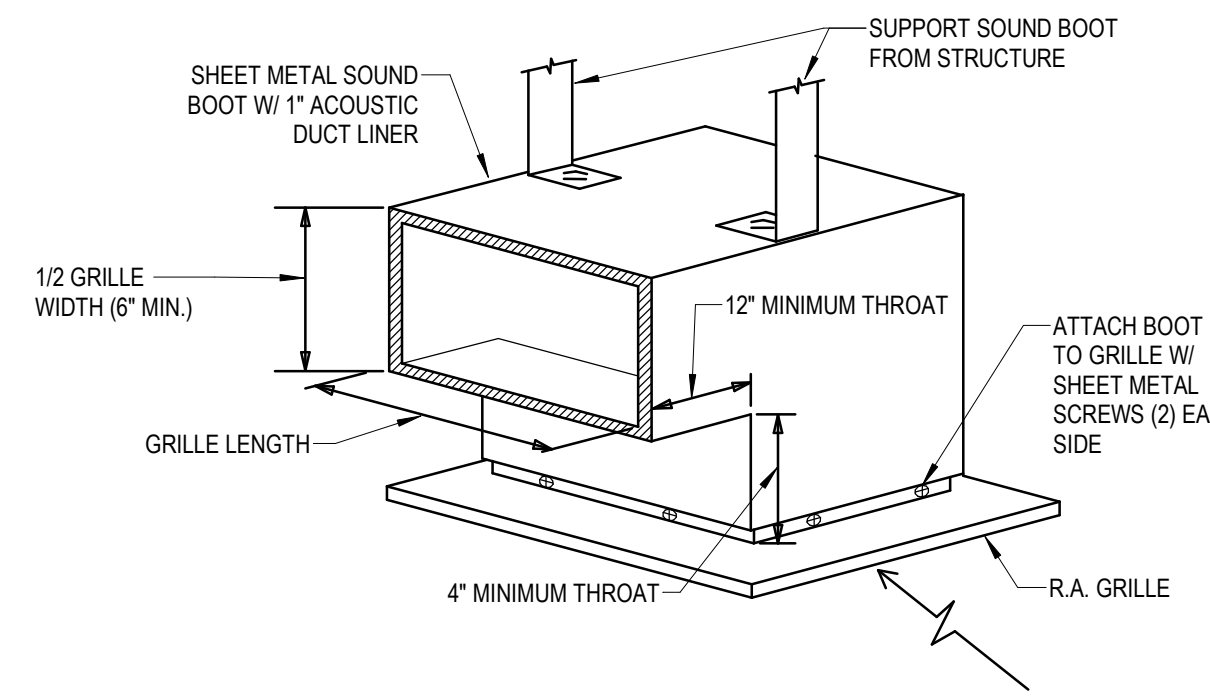
<p>CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmuatah.com</p>	<p>DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: KJM CHECKED BY: KJM</p>
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<p>PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>	<p>REGISTERED PROFESSIONAL ENGINEER No. 9039292-2202 KEVIN J. MCENTIRE 02.11.2022 STATE OF UTAH</p>
<p>SHEET DESCRIPTION: MECHANICAL PLANS LEVEL 1</p>	<p>SHEET: MH101</p>

CONSTRUCTION DOCUMENTS

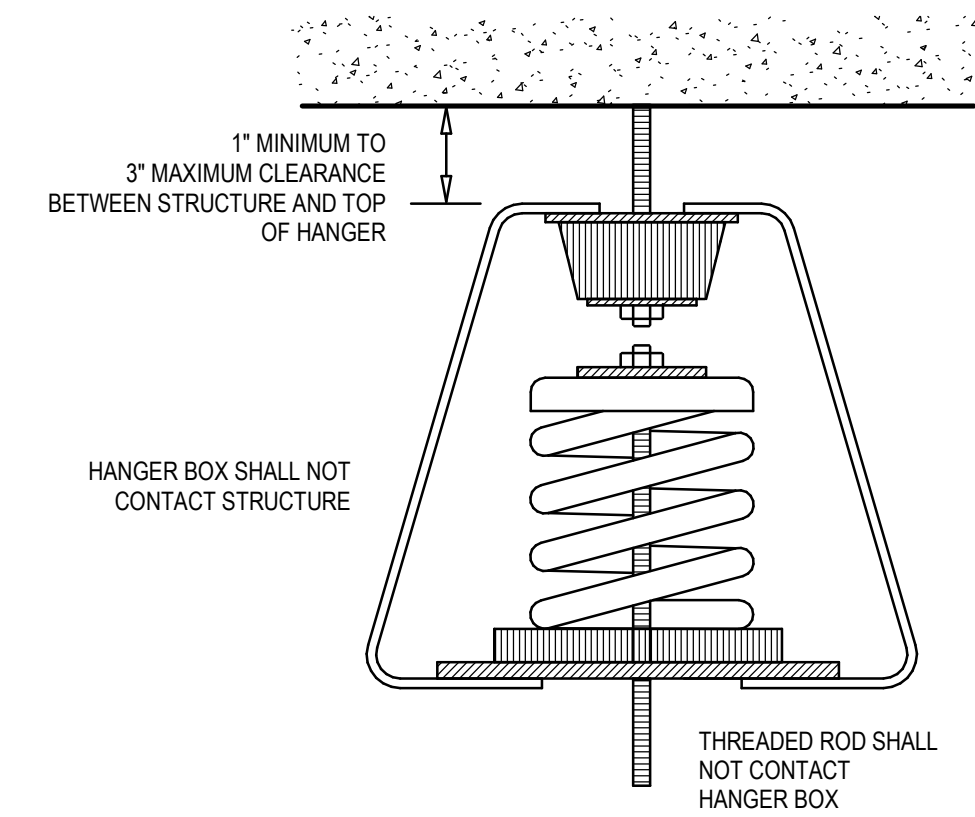
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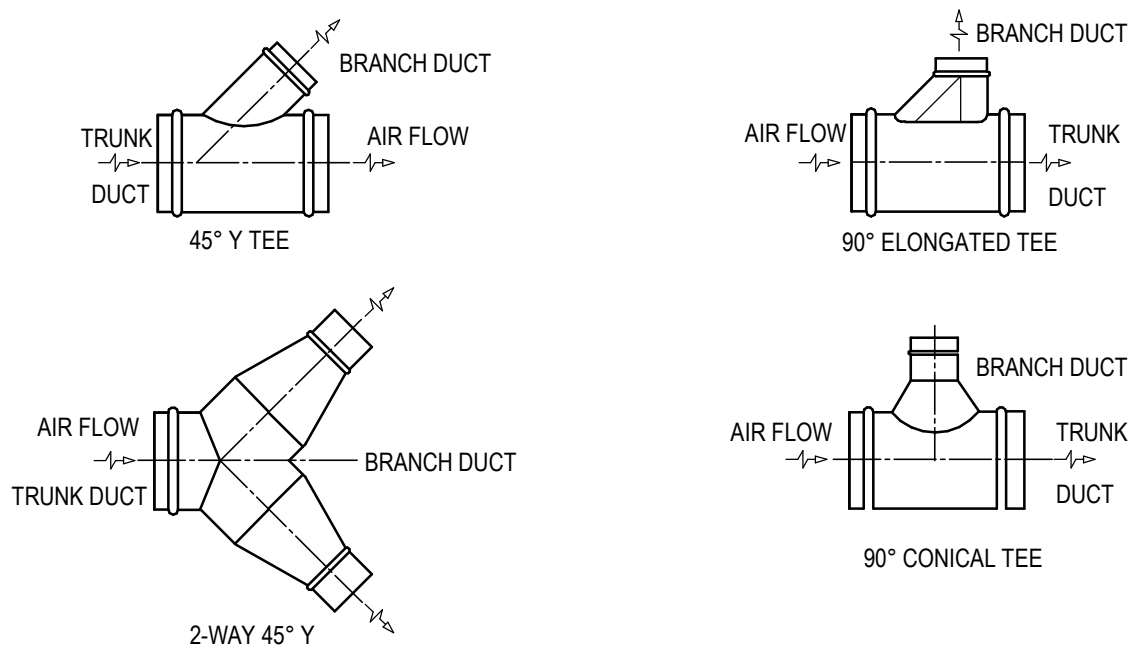
7 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
NOT TO SCALE



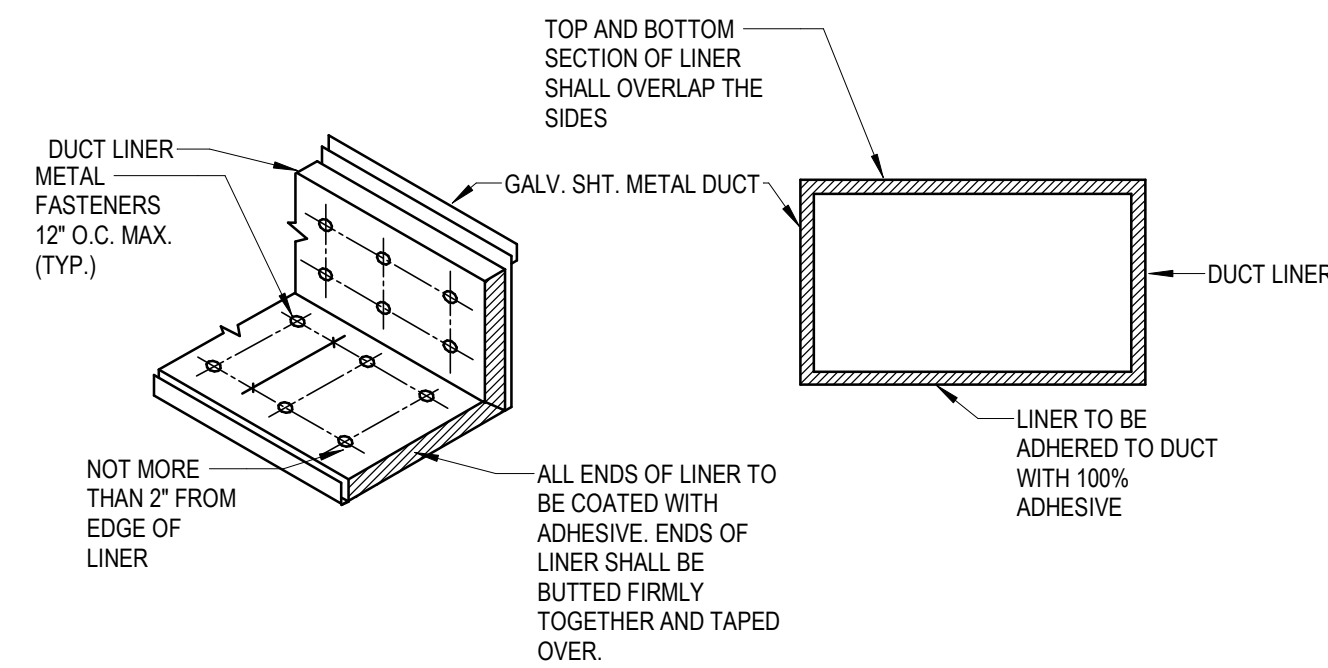
4 RA GRILLE WITH SOUND BOOT DETAIL
NOT TO SCALE



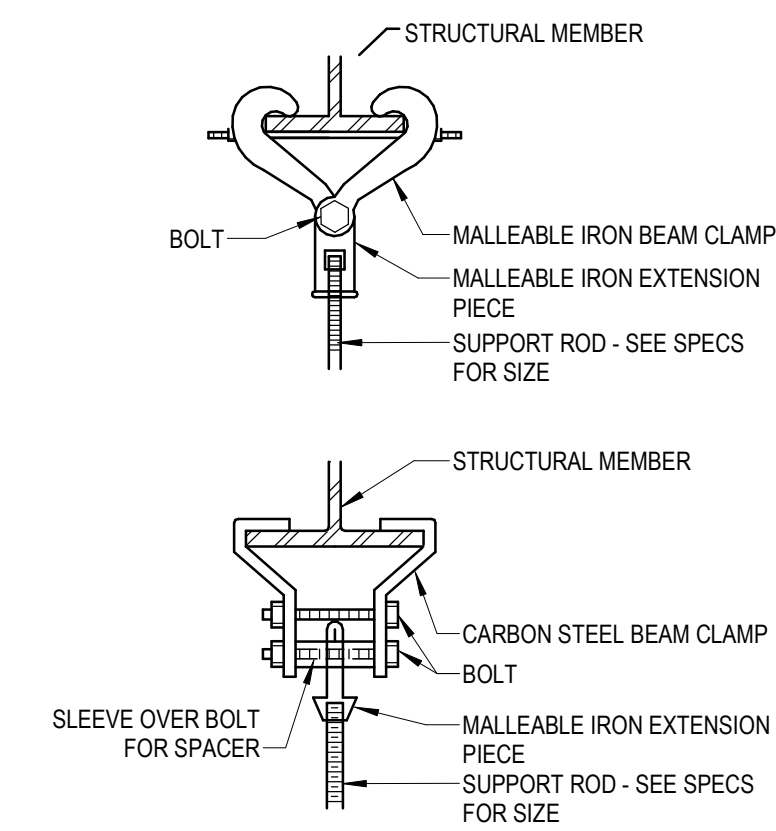
1 VIBRATION ISOLATION HANGER CLEARANCE DETAIL
NOT TO SCALE



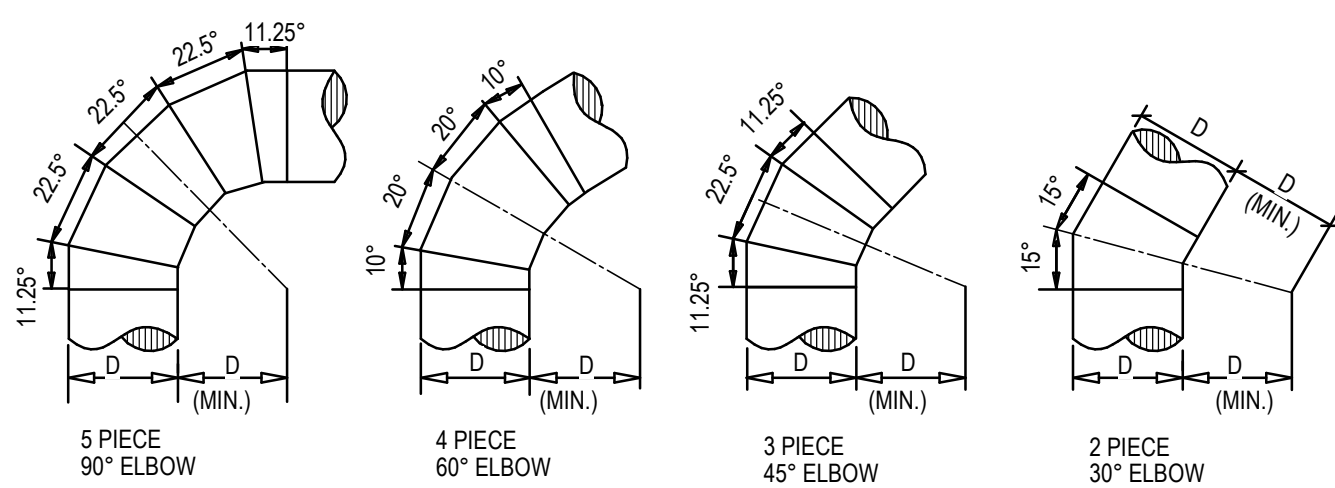
8 ROUND DUCT BRANCH TAKE-OFF DETAIL
NOT TO SCALE



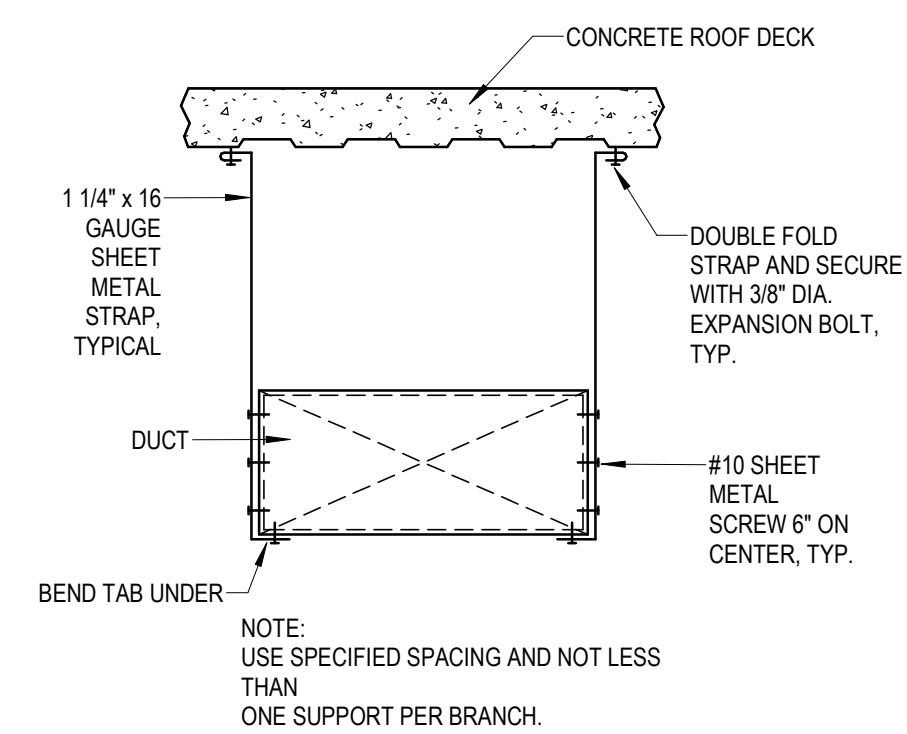
5 RECTANGULAR DUCT LINER DETAIL
NOT TO SCALE



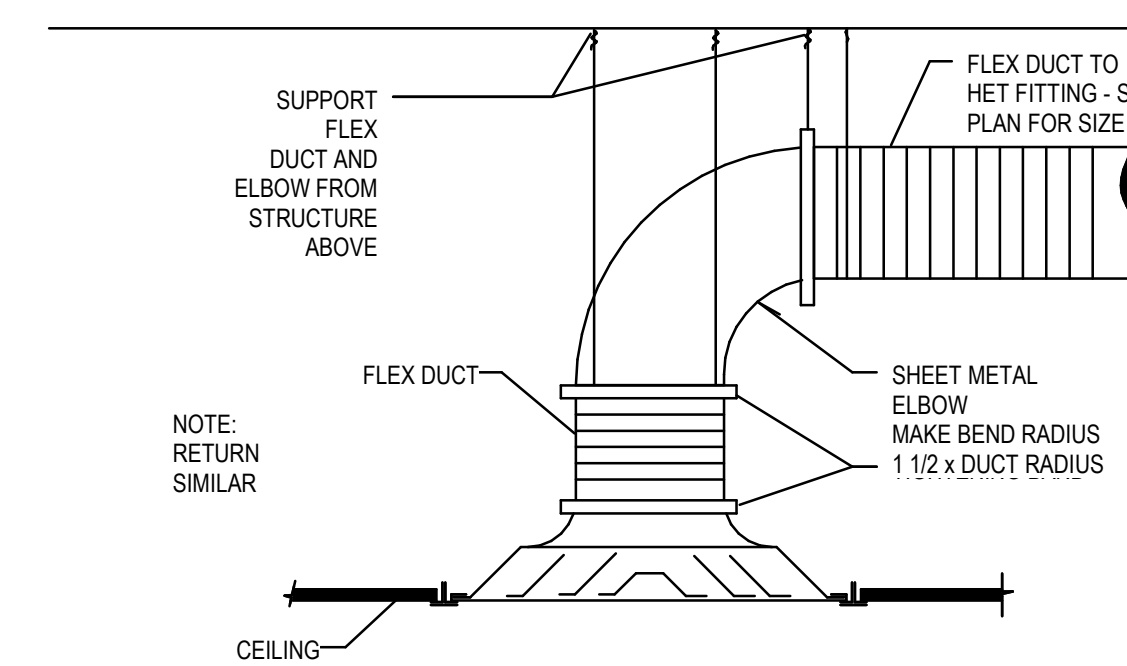
2 BEAM CLAMPS FOR PIPE OR EQUIPMENT SUPPORT
NOT TO SCALE



9 ROUND DUCT ELBOWS DETAIL
NOT TO SCALE



6 RECTANGULAR DUCT DETAIL
NOT TO SCALE



3 DIFFUSER CONNECTION DETAIL
NOT TO SCALE

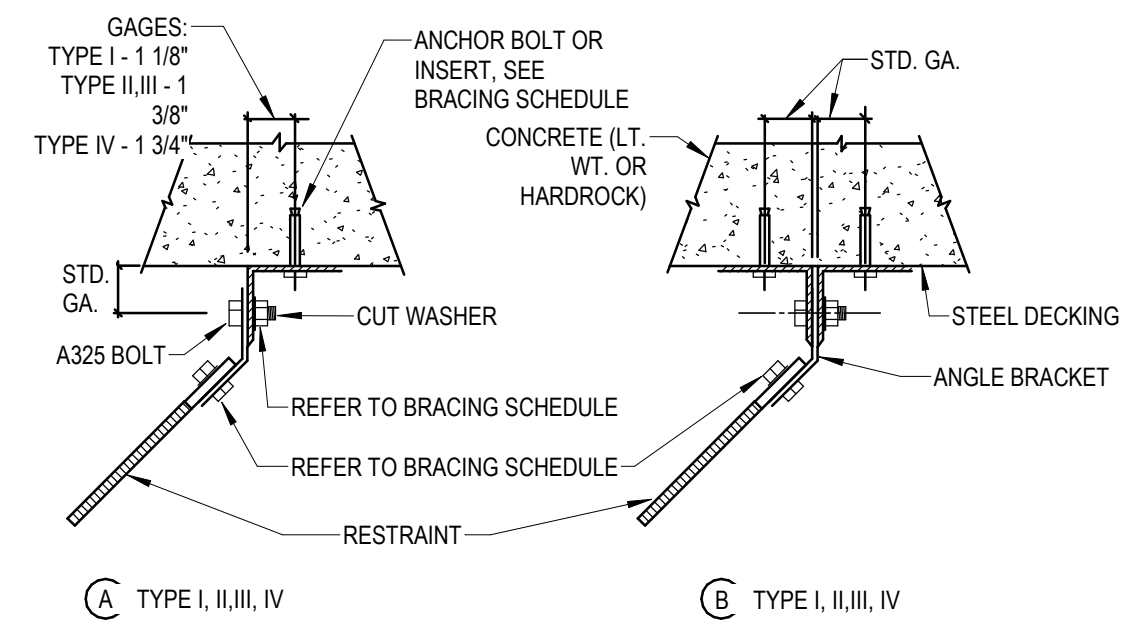
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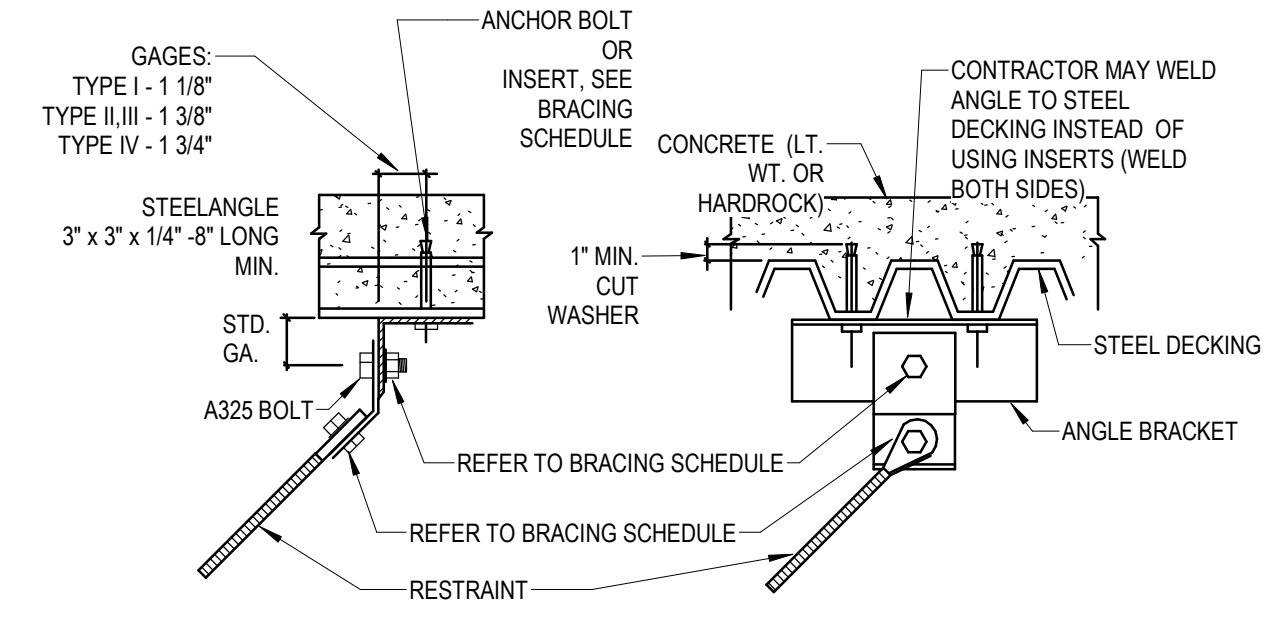
<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: KJM CHECKED BY: KJM</p>
	<p>PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>
<p>SHEET DESCRIPTION: MECHANICAL DETAILS</p>	<p>SHEET: MH501</p>

CONSTRUCTION DOCUMENTS

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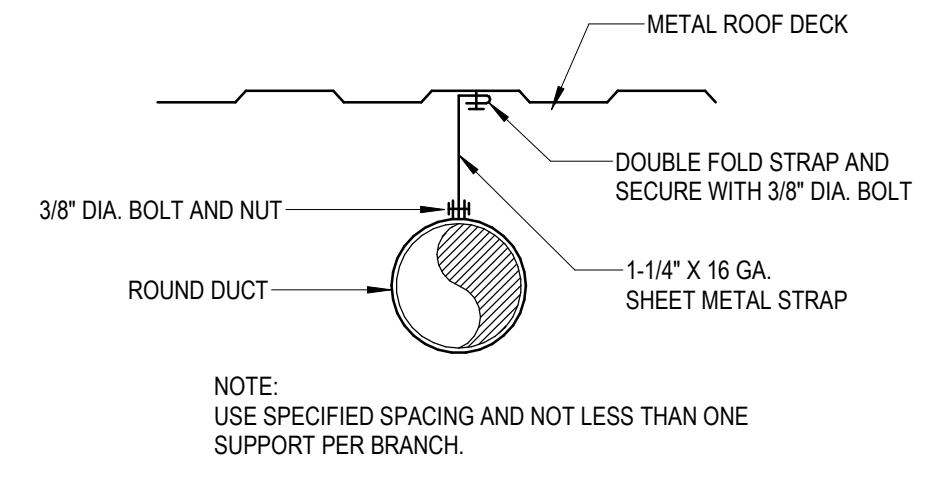


6 RESTRAINT CONNECTIONS TO CONCRETE
NOT TO SCALE

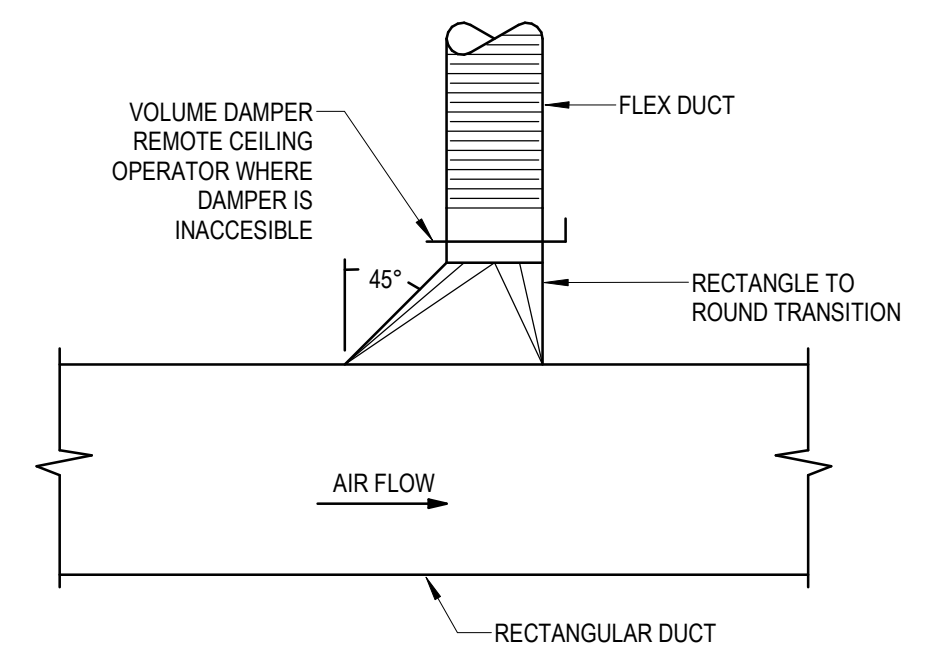


4 RESTRAINT CONNECTIONS TO STEEL
NOT TO SCALE

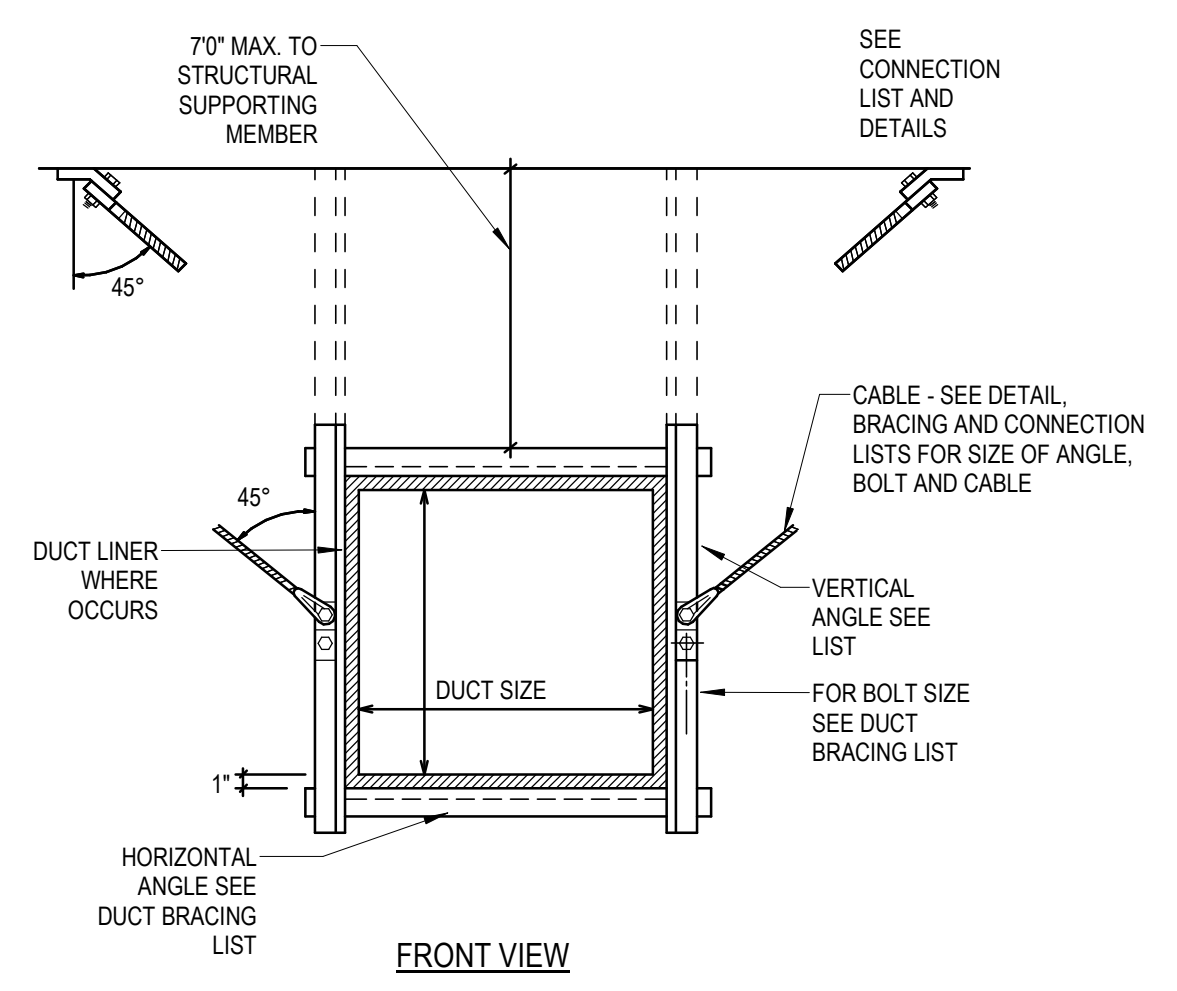
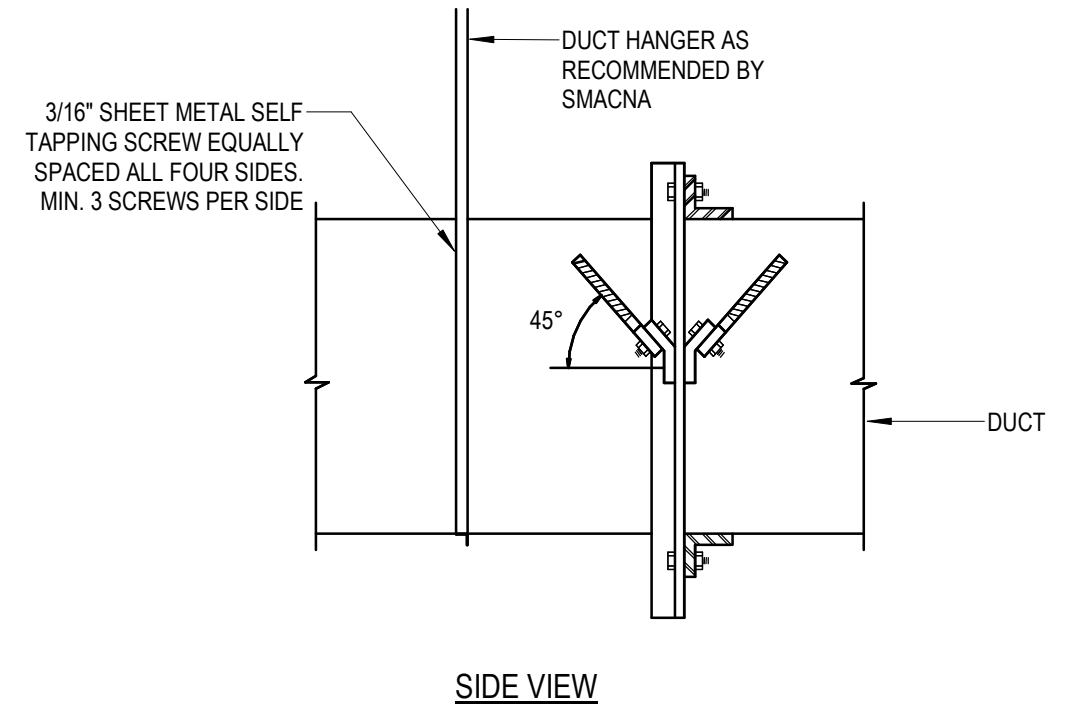
NOTE:
SEISMIC DETAILS SHOWN
HERE ARE FOR REFERENCE ONLY
TO ILLUSTRATE TYPICAL SEISMIC
REQUIREMENTS. REFER TO
SPECIFICATIONS FOR REQUIRED
SEISMIC DESIGN AND APPLICATION.



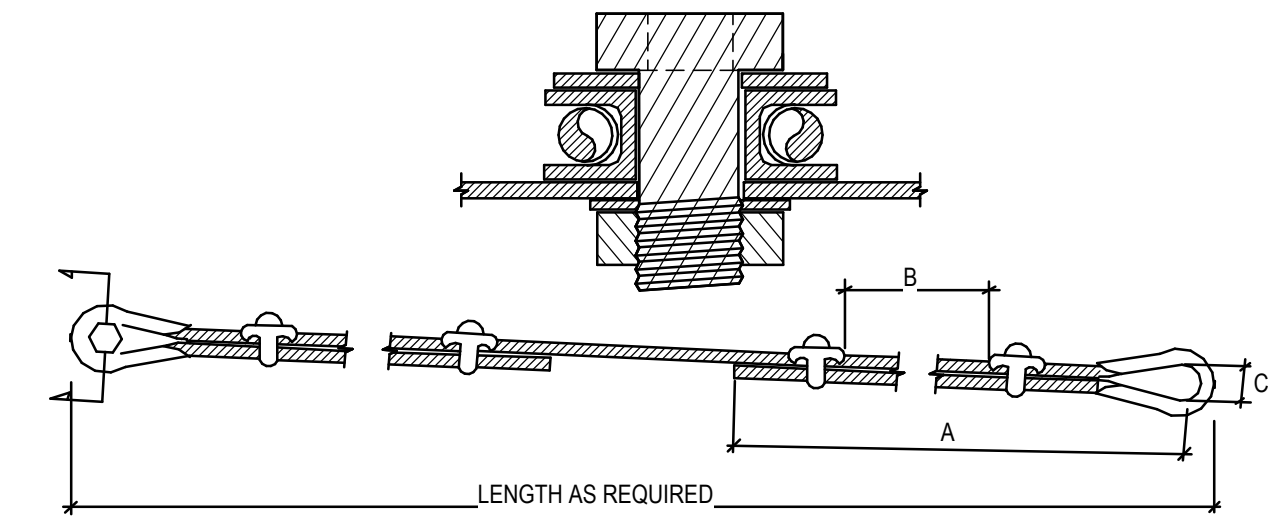
1 ROUND DUCT SUPPORT
DETAIL
NOT TO SCALE



2 FLEX DUCT WITH HIGH EFFICIENCY FITTING
DETAIL
NOT TO SCALE



5 CABLE BRACING FOR RECTANGULAR DUCTS
NOT TO SCALE



- NOTES:
1. CABLES, THIMBLES, CLIPS, GROMMETS & FLAT WASHERS ARE TO BE FURNISHED BY RESTRAINT MANUFACTURER. ALL OTHER HARDWARE TO BE PROVIDED BY CONTRACTOR.
 2. ENTIRE SYSTEM TO BE EQUAL TO AMBER BOOTH.
 3. CABLE CLIPS MUST BE ORIENTED AS SHOWN WITH SHORT END OF CABLE ON THE CURVED PART OF THE CLIP.

CABLE SCHEDULE							
CABLE DIA.	CABLE DESIGN	A	B	C	BOLT SIZE	ALLOWABLE LOAD (lbf)	BREAKING STRENGTH (lbf)
1/8"	7X19 GALV.	5-1/4"	1-5/8"	5/8"	3/8"	660	2000
3/16"	7X19 GALV.	5-3/4"	1-7/8"	5/8"	3/8"	1400	4200
1/4"	7X19 GALV.	6-3/4"	2-3/8"	11/16"	3/8"	2330	7000
5/16"	7X19 GALV.	7-3/8"	2-5/8"	13/16"	5/8"	3260	9800
3/8"	7X19 GALV.	8-7/8"	3-1/4"	1"	5/8"	4800	14400
7/16"	6X19 IWRC	17"	3-5/8"	1"	5/8"	5920	17800
1/2"	6X19 IWRC	18"	3-7/8"	1-1/8"	3/4"	7660	23000

3 CABLE RESTRAINT DETAIL
SCALE: 12" = 1'-0"

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	<p>PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>
<p>SHEET DESCRIPTION: MECHANICAL DETAILS</p>	<p>SHEET: MH502</p>



CONSTRUCTION DOCUMENTS

DUCT CABLE BRACING LIST							
DUCT SIZE (MAX.)	*WT/ LIN FT (MAX)	BOLT SIZE	HORIZONTAL ANGLE	VERTICAL ANGLE	CABLE DIA.**	CABLE DES.	ANCHOR CONN. TYPE
12"	5#	3/8"	2 X 2 X 16 GA	2 X 2 X 12 GA	1/8"	7x19 GALV	I
18"	8#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7x19 GALV	I
24"	10#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7x19 GALV	I
30"	13#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7x19 GALV	I
42"	20#	3/8"	2-1/2 X 2-1/2 X 16 GA	4 X 4 X 12 GA	3/16"	7x19 GALV	II
54"	27#	3/8"	2-1/2 X 2-1/2 X 16 GA	4 X 4 X 12 GA	3/16"	7x19 GALV	II
60"	36#	3/8"	3 X 3 X 16 GA	4 X 4 X 12 GA	3/16"	7x19 GALV	II
84"	53#	3/8"	4 X 4 X 14 GA	4 X 4 X 1/4	1/4"	7x19 GALV	III
96"	80#	1/2"	4 X 4 X 12 GA	5 X 3 X 1/4	5/16"	7x19 GALV	IV

* MAXIMUM WEIGHT OF DUCTS OR COMBINATIONS OF DUCTS PER LINEAR FOOT. THE DUCTS MAXIMUM DIMENSION SHALL GOVERN WHAT BRACING IS REQUIRED. FOR ANCHOR CONNECTIONS SEE LIST. SEE DUCT BRACING DETAILS.

** TWO CABLES REQUIRED AT EACH RESTRAINT POINT, EACH CABLE TO BE INSTALLED 45° TO HORIZONTAL AND 45° TO LONGITUDINAL DIRECTION OF DUCT.

3 DUCT CABLE BRACING LIST
SCALE: 12" = 1'-0"

SCHEDULE FOR TYPICAL CONNECTIONS TO STRUCTURAL SUPPORTING MEMBERS					
TYPE	MAX. LOAD CAPACITY POUNDS	PHILLIPS REDHEAD ANCHORS TO CONC.		CONC. CAST-IN PLACE INSERT	BOLT OF STL.BM. CLAMP
		LT. WT.	HARD ROCK		
I II	500 1000	3/8" 3/8"	3/8" 3/8"	3/8" 1/2"	3/8" 3/8"
III IV	1500 2000	3/8" 1/2"	3/8" 1/2"	1/2" 5/8"	3/8" 1/2"
V VI	3000 4000	2-1/2" 2-5/8"	2-1/2" 2-5/8"	2-1/2" 2-5/8"	5/8" 5/8"

TYPE	SPREADER SIZE	BOLT THRU WOOD	SPAN-CRETE ROD	ANGLE TO SUPPORTING STRUCTURAL MEMBER	ROD SIZE FOR PIPES
I II	C4X5.4 C5X6.7	1/2" 3/4"	3/8" 3/8"	3X2X14"X0'-3" LLH 3-1/2X2-1/2X5'16X0'-3" LLH	1/2" 1/2"
III IV	C6X8.5 C8X11.5	*** ***	1/2" 1/2"	3-1/2X2-1/2X7'16X0'-4" LLH 5X3X12X0'-4" LLH	5/8" 3/4"
V VI	C9X13.4 C10X15.3	***	***	2-3-1/2X2-1/2X7'16X0'-4" 2-5X3X12X0'-4"	7/8" * 7/8" **

NOTES:

- FOR SLABS LESS THAN 5" THICK ONLY, THIN SLAB INSERTS MAY BE USED.
- FOR USE W/CONC. CAST-IN PLACE INSERTS OR PHILLIPS REDHEAD IN HARD ROCK ONLY.
- FOR USE WITH CONC. CAST-IN PLACE INSERTS ONLY.
- WHERE TYPE III CONNECTIONS ARE REQUIRED FOR WOOD SYSTEMS, TYPE II CONNECTIONS SHALL BE USED WITH REDUCED RESTRAINT SPACING TO 20 FT. O.C. WHERE TYPE IV CONNECTIONS ARE REQUIRED FOR WOOD SYSTEMS, TYPE II CONNECTIONS SHALL BE USED WITH REDUCED RESTRAINT SPACING TO 15 FT. O.C. WHERE TYPE V CONNECTIONS ARE REQUIRED FOR WOOD SYSTEMS, TYPE II CONNECTIONS SHALL BE USED WITH REDUCED RESTRAINT SPACING TO 10 FT. O.C.
- THE MECHANICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER AND THEN TO THE MECHANICAL ENGINEER, SHOWING CONNECTION TYPE AND LOCATION OF ALL RESTRAINT CONNECTIONS TO THE STRUCTURE.
- FOR ESSENTIAL FACILITIES WHERE CONCRETE ANCHOR BOLTS OF THE "REDHEAD" EXPANSION TYPE ARE LOADED IN PULL OUT, 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) SHALL BE PROOF TESTED TO TWICE THE ALLOWABLE LOAD. IF THERE ARE FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED.
- "HILTI" AND "RAMSET" ANCHORS ARE EQUAL SUBSTITUTES FOR "REDHEAD".

SCHEDULE FOR TYPICAL CONNECTION TO STRUCTURAL SUPPORTING MEMBERS
SCALE: 12" = 1'-0"

DUCT BRACING GENERAL NOTES

- DETAILS SHOWN PROVIDE GENERAL GUIDELINES FOR A LATERAL BRACING SYSTEM. A TYPICAL VERTICAL SUPPORT SYSTEM MUST ALSO BE USED.
- BRACE ALL RECTANGULAR DUCTS OF AREA 6 SQ. FT. AND LARGER. BRACE ALL ROUND DUCTS 28" IN DIAMETER AND LARGER.
- CABLE RESTRAINTS AND BRACING NOT TO EXCEED 30'-0" CENTERS AND SHALL BE PROVIDED AT EACH TURN, AT THE END OF EACH DUCT RUN, AND ON EACH SIDE OF FLEXIBLE CONNECTIONS. BRACE POINTS SHALL NOT EXCEED 15'-0" FROM FLEXIBLE CONNECTION.
- WHEN COMBINING DUCT GROUPS ON COMMON BRACING SYSTEMS, USE WEIGHTS AND DIMENSIONS FROM BRACING LIST.
- ALL HOLES IN ANGLES ARE TO BE 1/16 INCH OVERSIZED. PLACE STANDARD CUT WASHERS BETWEEN SHEET METAL ANGLES AND NUT.
- DUCTS NOT BRACED SHALL BE INSTALLED WITH A 6" MIN. CLEARANCE TO VERTICAL CEILING HANGER WIRES.
- REHEAT BOXES AND OTHER ITEMS WHICH ATTACH TO THE DUCT SYSTEM SHALL BE BRACED INDEPENDENTLY OF THE DUCTS.
- ALL SHEET METAL FOR BRACING TO BE F_y = 33 KSI MINIMUM GAUGE FOR SHEET METAL BRACING SHALL BE AS FOLLOWS:
16 GA = (0.0598 INCH)
14 GA = (0.0747 INCH)
12 GA = (0.1046 INCH)
- MINIMUM DISTANCE FROM EDGE OF ANGLE TO BOLTS SHALL BE AS FOLLOWS:



BOLT DIAMETER	DISTANCE FROM EDGE
1/4" TO 1/2"	1"
5/8"	1 1/8"
3/4"	1 1/4"
7/8"	1 1/2"


- DO NOT FASTEN RESTRAINT SYSTEM TO TWO DISSIMILAR PARTS OF A BUILDING THAT MAY RESPOND IN A DIFFERENT MODE DURING AN EARTHQUAKE. FOR EXAMPLE, A WALL AND A ROOF. 11 ALTERNATE EVERY OTHER CABLE RESTRAINT IN OPPOSITE DIRECTION (SHOWN DOTTED).

DUCT BRACING GENERAL NOTES
NOT TO SCALE

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SHEET DESCRIPTION: <p style="text-align: center;">MECHANICAL DETAILS</p>	SHEET: <p style="text-align: center;">MH503</p>



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CONSTRUCTION DOCUMENTS

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LEVEL 1 VAV BOX SCHEDULE																		
ID	MANUFACTURER AND MODEL NUMBER	INLET SIZE (IN)	AIR					FLUID (2)					COIL			BALANCING VALVE SIZE (IN)	REMARKS	
			COOLING MAXIMUM AIR (5) (CFM)	HEATING MAXIMUM AIR (CFM)	MINIMUM AIR (3) (CFM)	ENTERING AIR TEMP. DB (DEG. F)	LEAVING AIR TEMP. DB (DEG. F)	S.P. LOSS AT MAX CFM (4) (IN H2O)	NC AT 1" H2O (1) S.P.	HEAT LOAD (MBTUH)	TOTAL FLUID FLOW (GPM)	ENT. FLUID TEMP (DEG. F)	WORKING FLUID	MAX. FLUID PRESSURE DROP (FT)	MIN. COIL ROWS			PIPE SIZE (IN)
V-1-7	TITUS-ESV-3	14	2130	1320	640	52	90	0.65	26	46.1	3	140	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6,7

1. MAXIMUM DISCHARGE NC AT BOX DIFFERENTIAL PRESSURE BASED ON ARI STANDARD 880-89
2. COIL HEATING CAPACITY BASED ON HEATING MAXIMUM AIR FLOW (60% OF MAXIMUM COOLING CFM FOR THAT BOX SIZE).
3. MINIMUM CFM IS THE LOWEST CONTROLLABLE CFM SETTING (BASED ON 400 FPM INLET VELOCITY) UNLESS SHOWN HIGHER IN THIS SCHEDULE.
4. MAXIMUM STATIC PRSSURE DROP PERMISSABLE ACROSS BOX AND COIL AT MAXIMUM COOLING CFM.
5. BOX COOLING MAXIMUM IS THE SUM OF DIFFUSERS CFM VALUES AS SHOWN IN THE DRAWINGS.
6. PRESSURE INDEPENDENT TYPE BOX.
7. EXISTING VAV BOX & REHEAT COIL THAT ARE TO BE REUSED. REBALANCE THE AIRFLOW THE NEW VALUES LISTED IN THIS SCHEDULE.

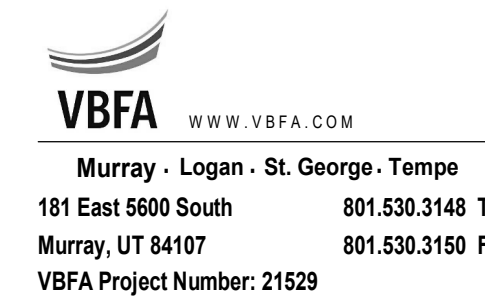
GRILLES, REGISTERS AND DIFFUSERS				
ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	TITUS	OMNI	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE, C.W./O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
RG-1	TITUS	PAR	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.

A

B

C

D



 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmatah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: KJM CHECKED BY: KJM
	PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107
SHEET DESCRIPTION: MECHANICAL SCHEDULES	SHEET: MH601

1

2

3

4

5

MARK	REVISION	DATE

KEYED NOTES

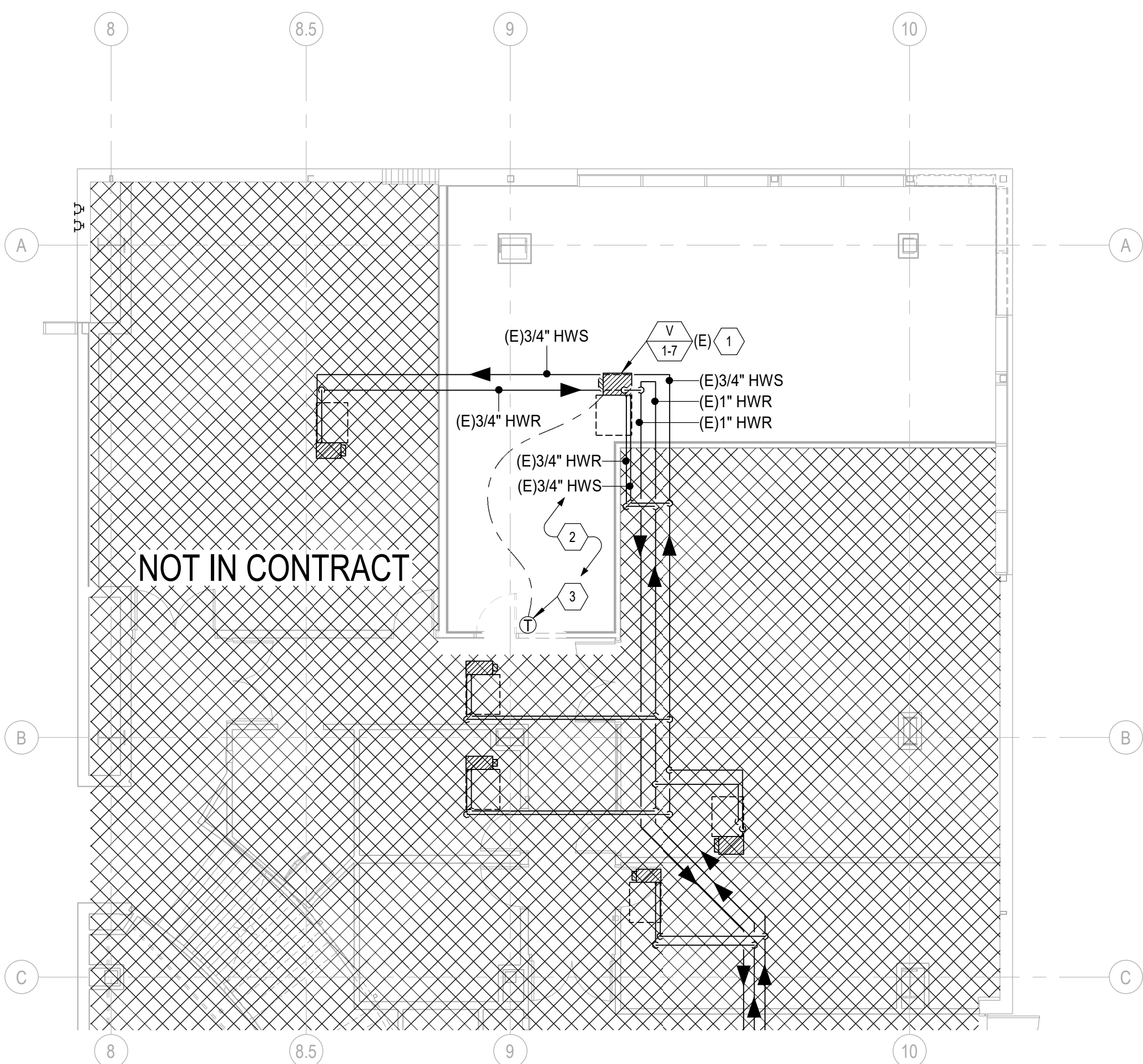
- THIS EXISTING VAV BOX IS TO REMAIN IN SERVICE. PROTECT FROM DAMAGE.
- UNLESS OTHERWISE NOTED, THE EXISTING HEATING HOT WATER PIPING IN THE REMODEL AREA IS TO REMAIN IN SERVICE. PROTECT FROM DAMAGE.
- THIS EXISTING THERMOSTAT IS TO BE REMOVED AND SALVAGED FOR REUSE. PROTECT FROM DAMAGE.
- REINSTALL THE SALVAGED THERMOSTAT ON THE WALL IN THIS LOCATION.

A

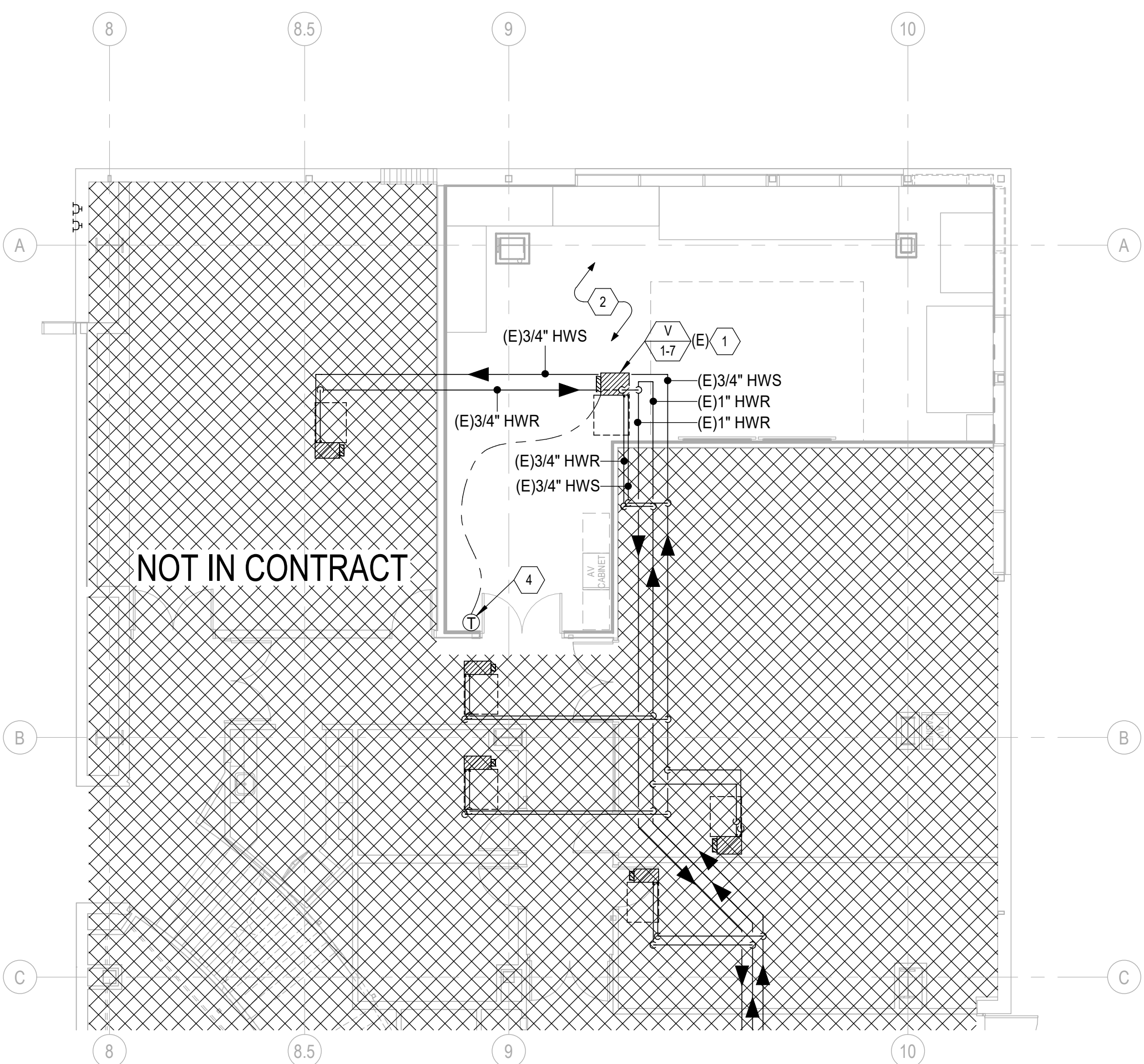
B

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1 MECHANICAL PIPING DEMO PLAN LEVEL 1
MP101 | SCALE: 1/8" = 1'-0"



2 MECHANICAL PIPING PLAN LEVEL 1
MP101 | SCALE: 1/8" = 1'-0"

BIM 360://21-075 IHC Transformation Chimes21529 IHC GTC Chimes Expansion Mech v21.rvt
2/11/2022 7:18:52 AM

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VBFA Project Number: 21529

 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmatah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: KJM CHECKED BY: KJM
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PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107	
SHEET DESCRIPTION: MECHANICAL PIPING PLANS LEVEL 1	SHEET: MP101

CONSTRUCTION DOCUMENTS

1

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3

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MARK	REVISION	DATE

KEYED NOTES

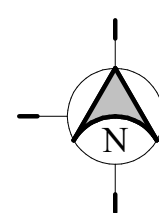
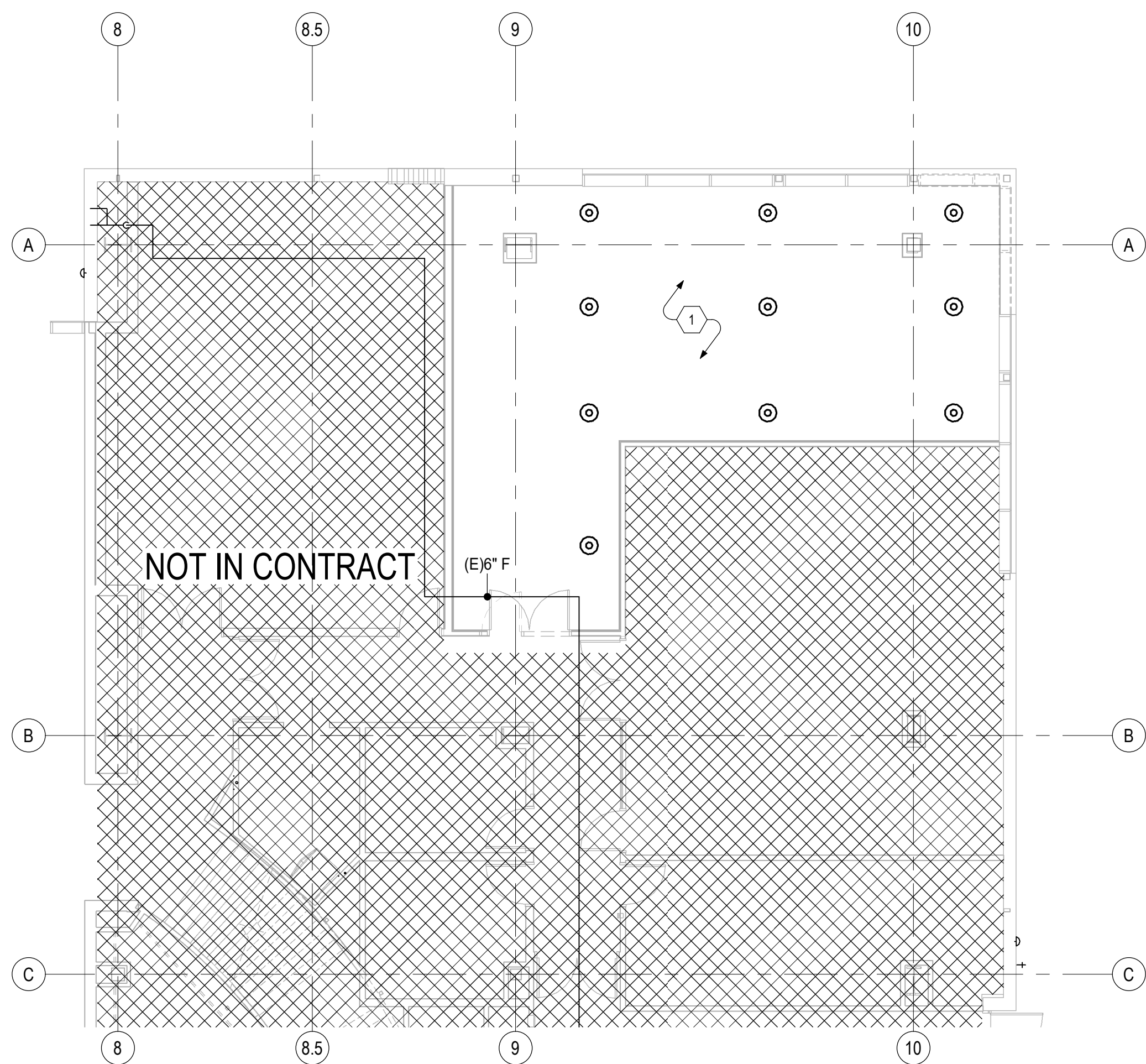
1. THE FIRE SPRINKLERS SHOWN ON THIS DRAWING ARE IN THEIR APPROXIMATE EXISTING LOCATIONS. ALL FIRE SPRINKLERS IN THE REMODEL AREA ARE TO BE REPLACED WITH NEW QUICK RESPONSE FIRE SPRINKLERS. RELOCATE AND REPLACE SPRINKLER HEAD WITH A NEW HEAD, REMOVE, OR ADD FIRE SPRINKLERS AS REQUIRED BY NFPA CHAPTER 13, TYPICAL. PROVIDE FLEXIBLE SPRINKLER PIPING TO THE NEW FIRE SPRINKLERS SO THE FIRE SPRINKLERS CAN BE LOCATED IN THE CENTER OF CEILING TILES. FIELD VERIFY THE EXTENT OF WORK.

A

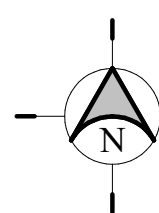
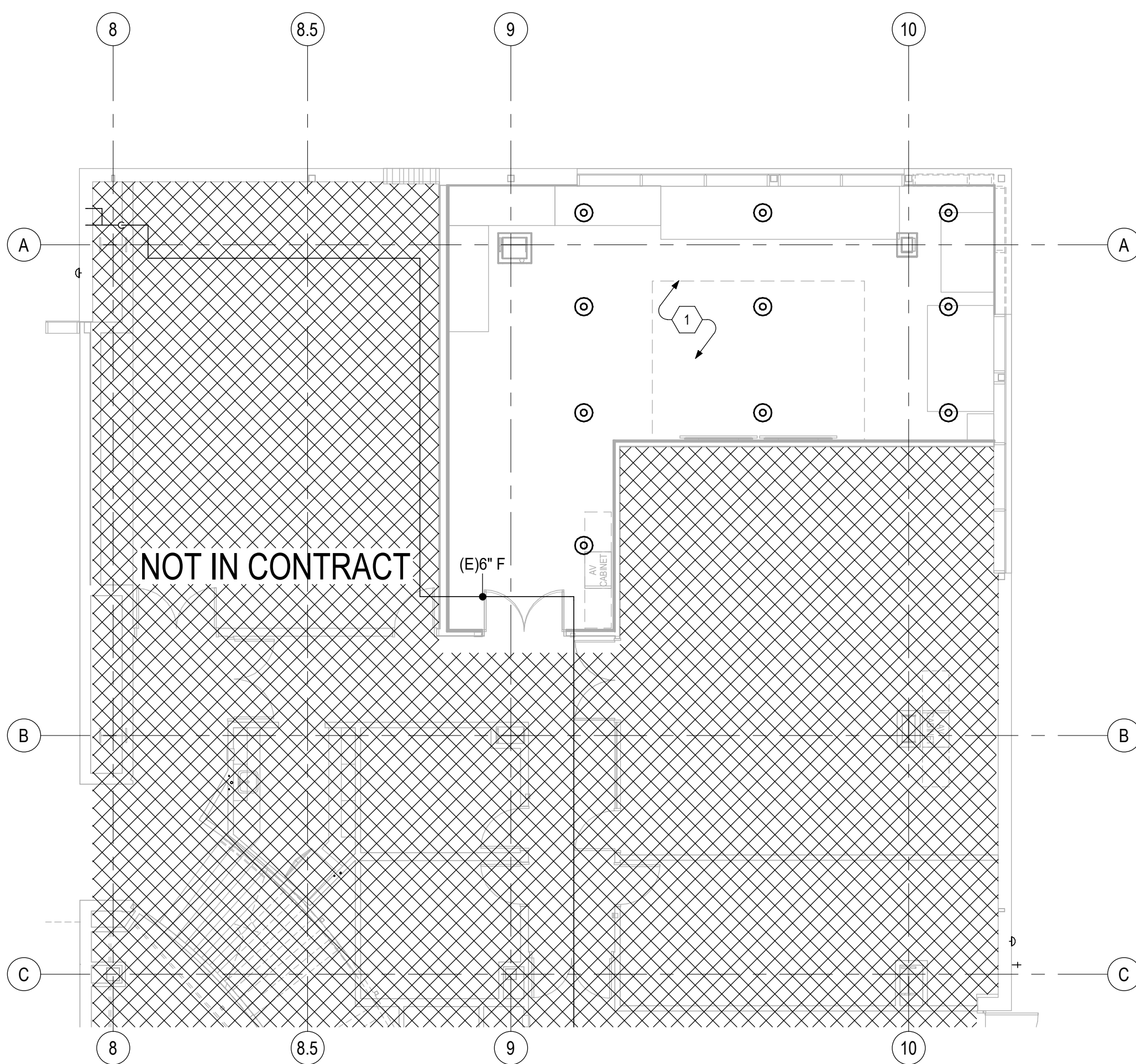
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1 FIRE PROTECTION DEMO PLAN LEVEL 1
FP101 | SCALE: 1/8" = 1'-0"



2 FIRE PROTECTION PLAN LEVEL 1
FP101 | SCALE: 1/8" = 1'-0"

BIM 360://21-075 IHC Transformation Chimes21529 IHC GTC Chimes Expansion Mech v21.rvt
2/11/2022 7:18:43 AM

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 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: KJM CHECKED BY: KJM
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PROJECT: INTERMOUNTAIN TRANSFORMATION CENTER - CHIMES TBO 5026 SOUTH STATE STREET MURRAY, UTAH 84107	
SHEET DESCRIPTION: FIRE PROTECTION PLANS LEVEL 1	SHEET: FP101

CONSTRUCTION DOCUMENTS

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	EQUIPMENT INDICATOR.
	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
	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	KITCHEN EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XKP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
	WIRING TURNED UP OR TOWARDS OBSERVER.
	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
	PULL BOX.
	JUNCTION BOX, CEILING.
	LADDER RACK.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
ELECTRICAL POWER AND DISTRIBUTION	
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
FIRE ALARM	
	FIRE ALARM MANUAL PULL STATION.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	SPEAKER, EVACUATION, COMBINATION STROBE.
	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
WIRING DEVICES	
	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: NEMA 5-20R.
	RECEPTACLE, QUADRUPLEX: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
STRUCTURED CABLING	
	TWO-WAY EMERGENCY COMMUNICATION DEVICE PER IBC, WALL MOUNTED IN RECESSED BOX.
	TELEPHONE TERMINAL BOARD, FIRE TREATED PLYWOOD PAINTED.
	LAN RACK, FLOOR STANDING.
	DATA COMMUNICATIONS DEVICE (1 DATA).
	DATA COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
	DATA COMMUNICATIONS DEVICE (2 DATA).
	DATA COMMUNICATIONS DEVICE (3 DATA).
	DATA COMMUNICATIONS DEVICE (4 DATA).
	DATA COMMUNICATIONS DEVICE (6 DATA).
	DATA COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK OR CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	EMERGENCY.
	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	LOW VOLTAGE LIGHTING TRANSFORMER.
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, ULTRASONIC, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	PHOTOCELL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
CCTV	
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
SECURITY	
	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
	CARD READER.

ABBREVIATIONS		
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.		
1P	SINGLE POLE	IR INFRARED
1PH	SINGLE-PHASE	J-BOX JUNCTION BOX
2/C	TWO-CONDUCTOR	kV KILOVOLT
3/C	THREE-CONDUCTOR	kVA KILOVOLT AMPERE
4W	FOUR-WIRE	kVAR KILOVOLT AMPERE REACTIVE
A	ABOVE COUNTER	KW KILOWATT
AC	ARMORED CABLE	KWH KILOWATT HOUR
ADA	AMERICANS WITH DISABILITIES ACT	LED LIGHT EMITTING DIODE
ADJ	ADJACENT	LFMC LIQUID TIGHT FLEXIBLE METAL CONDUIT
AFF	ABOVE FINISHED FLOOR	LRA LOCKED ROTOR AMPS
AFG	ABOVE FINISHED GRADE	LTG LIGHTING
AIC	AMPERE INTERRUPTING CAPACITY	LV LOW VOLTAGE
AL	ALUMINUM	MAX MAXIMUM
AMP	AMPERE	MC METAL CLAD
ANN	ANNUNCIATOR	MCA MINIMUM CIRCUIT AMPS
ASC	AMPS SHORT CIRCUIT	MCB MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MCC MOTOR CONTROL CENTER
AV	AUDIO VISUAL	MCP MOTOR CIRCUIT PROTECTION
AWG	AMERICAN WIRE GAGE	MDP MAIN DISTRIBUTION PANEL
C	CEILING MOUNTED	MH MANHOLE
CB	CIRCUIT BREAKER	MIN MINIMUM
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	MLO MAIN LUGS ONLY
CCVT	CLOSED CIRCUIT TELEVISION	MOCPP MAXIMUM OVERCURRENT PROTECTION
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	NA NOT APPLICABLE
CKT	CIRCUIT	NC NORMALLY CLOSED
CND	CONDUIT	NEC NATIONAL ELECTRICAL CODE
CO	CONVENIENCE OUTLET	NIC NOT IN CONTRACT
CP	CONTROL PANEL	NL NIGHT LIGHT
CT	CURRENT TRANSFORMER	NO NORMALLY OPEN
CJ	COPPER	NTS NOT TO SCALE
4BA	UNIT OF SOUND LEVEL	OC ON CENTER
DPDT	DOUBLE POLE, DOUBLE THROW	OCP OVER CURRENT PROTECTION
EA	EACH	OPF OBTAIN FROM PLANS
EM	EMERGENCY	PF POWER FACTOR
EMT	ELECTRICAL METALLIC TUBING	PH PHASE
EPO	EMERGENCY POWER OFF	PNL PANEL
EQUIP	EQUIPMENT	PT POTENTIAL TRANSFORMER
EX	EXISTING	PTZ PAN/TILT/ZOOM
F	FURNITURE MOUNTED	QTY QUANTITY
FA	FIRE ALARM	RCP REFLECTED CEILING PLAN
FCP	FIRE ALARM CONTROL PANEL	S/S START/STOP
FLA	FULL LOAD AMPS	SCA SHORT CIRCUIT AMPS
FMC	FLEXIBLE METAL CONDUIT	SCBA STANDARD COLOR AS SELECTED BY ARCHITECT
FOB	FREIGHT ON BOARD	SF SQUARE FOOT (FEET)
FVNR	FULL VOLTAGE NON-REVERSING	SBFA STANDARD FINISH AS SELECTED BY ARCHITECT
G	GROUND	SPD SURGE PROTECTIVE DEVICE
GEN	GENERATOR	SPOT SINGLE POLE, DOUBLE THROW
GFCI	GROUND FAULT INTERRUPTER	SPEC SPECIFICATION
GFP	GROUND FAULT PROTECTION	SPST SINGLE POLE, SINGLE THROW
HD	HEAVY DUTY	SWBD SWITCHBOARD
HID	HIGH INTENSITY DISCHARGE	SWGR SWITCHGEAR
HOA	HAND-OFF-AUTOMATIC	TL TWIST LOCK
HP	HORSE POWER	TP TWISTED PAIR
HPF	HIGH POWER FACTOR	TTB TELEPHONE TERMINAL BOARD
HV	HIGH VOLTAGE	TV TELEVISION
HZ	HERTZ	TVSS TRANSIENT VOLTAGE SURGE SUPPRESSER
I/O	INPUT/OUTPUT	TYP TYPICAL
IG	ISOLATED GROUND	UF UNDERFLOOR
IMC	INTERMEDIATE METAL CONDUIT	UGND UNDERGROUND
IN/IS	INSULATED/ISOLATED	V VOLTS
		VA VOLT AMPERE
		VFC/VF VARIABLE FREQUENCY MOTOR CONTROLLER
		W WITH
		W/O WITHOUT
		WP WEATHERPROOF
		XFMR TRANSFORMER

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.	
APPROVED: 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 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, 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."	
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...	

MARK	REVISION	DATE

GENERAL ELECTRICAL NOTES	
1.	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.
2.	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.
3.	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.
4.	REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
5.	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
EE501	ELECTRICAL DETAILS
EE701	TYPICAL MOUNTING HEIGHT DETAILS
EE702	TYPICAL MOUNTING HEIGHT DETAILS
EE801	ELECTRICAL SPECIFICATIONS
ED101	LEVEL 1 ELECTRICAL DEMOLITION PLAN
ED102	LEVEL 1 CEILING DEMOLITION PLAN
EP101	LEVEL 1 POWER PLAN
EP601	PANEL SCHEDULES
EL101	LEVEL 1 LIGHTING PLAN
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
EY101	LEVEL 1 AUXILIARY PLAN

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DATE: 11 FEBRUARY 2022
 PROJECT #: 21-075
 PROJ. MAN.: JSJ
 CHECKED BY: GWT

CURTIS MINER ARCHITECTURE
 233 SOUTH PLEASANT GROVE BLVD., SUITE #105
 PLEASANT GROVE, UTAH 84062
 PHONE: (801) 769-3000
 cma@cmautah.com

IGTC CHIMES EXPANSION TENANT BUILDOUT
 5026 SOUTH STATE STREET
 MURRAY, UTAH 84107

No. 8182456
 TYLER TYLER
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF UTAH
 2/11/2022

SHEET DESCRIPTION:
SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

SHEET:
EE001

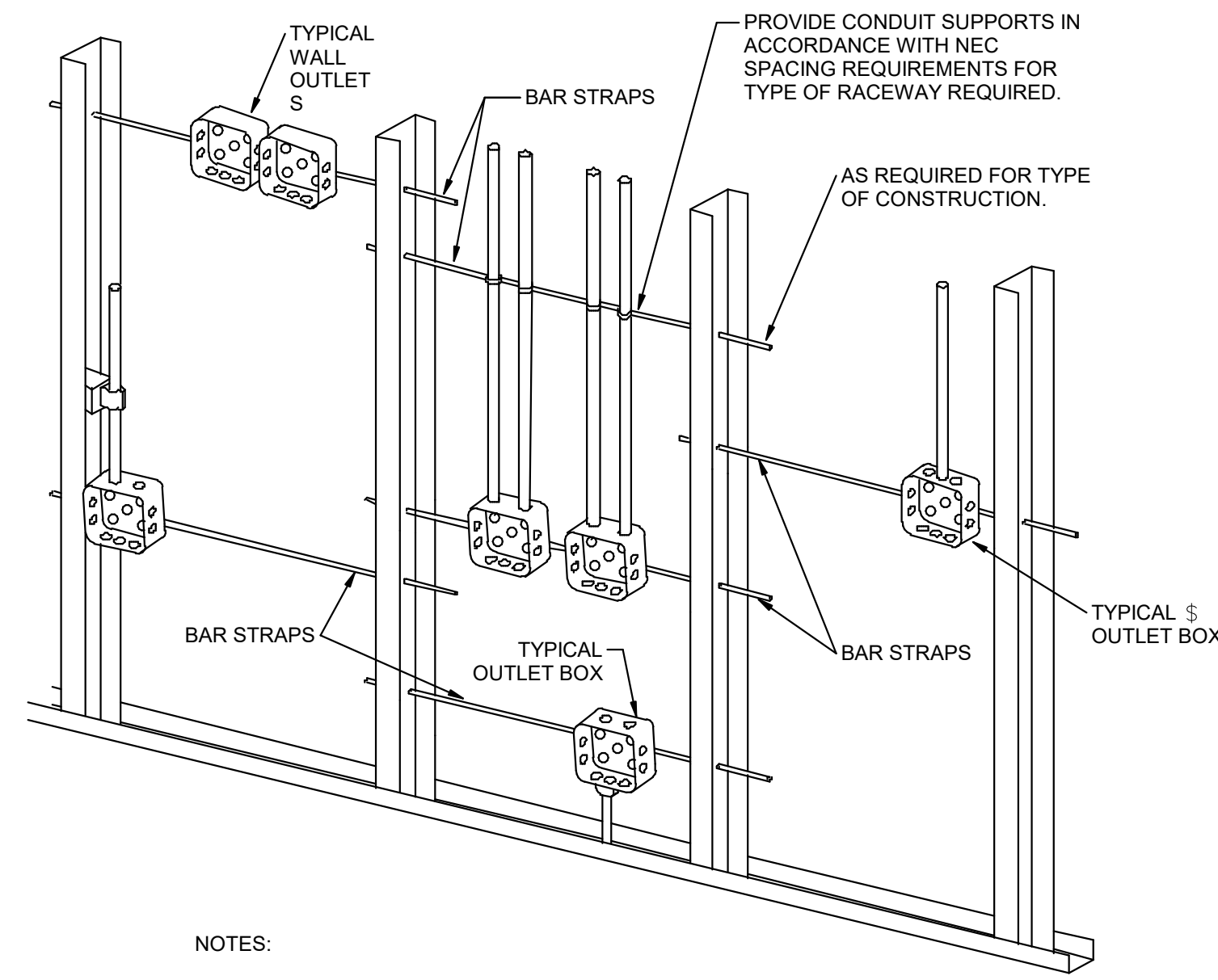
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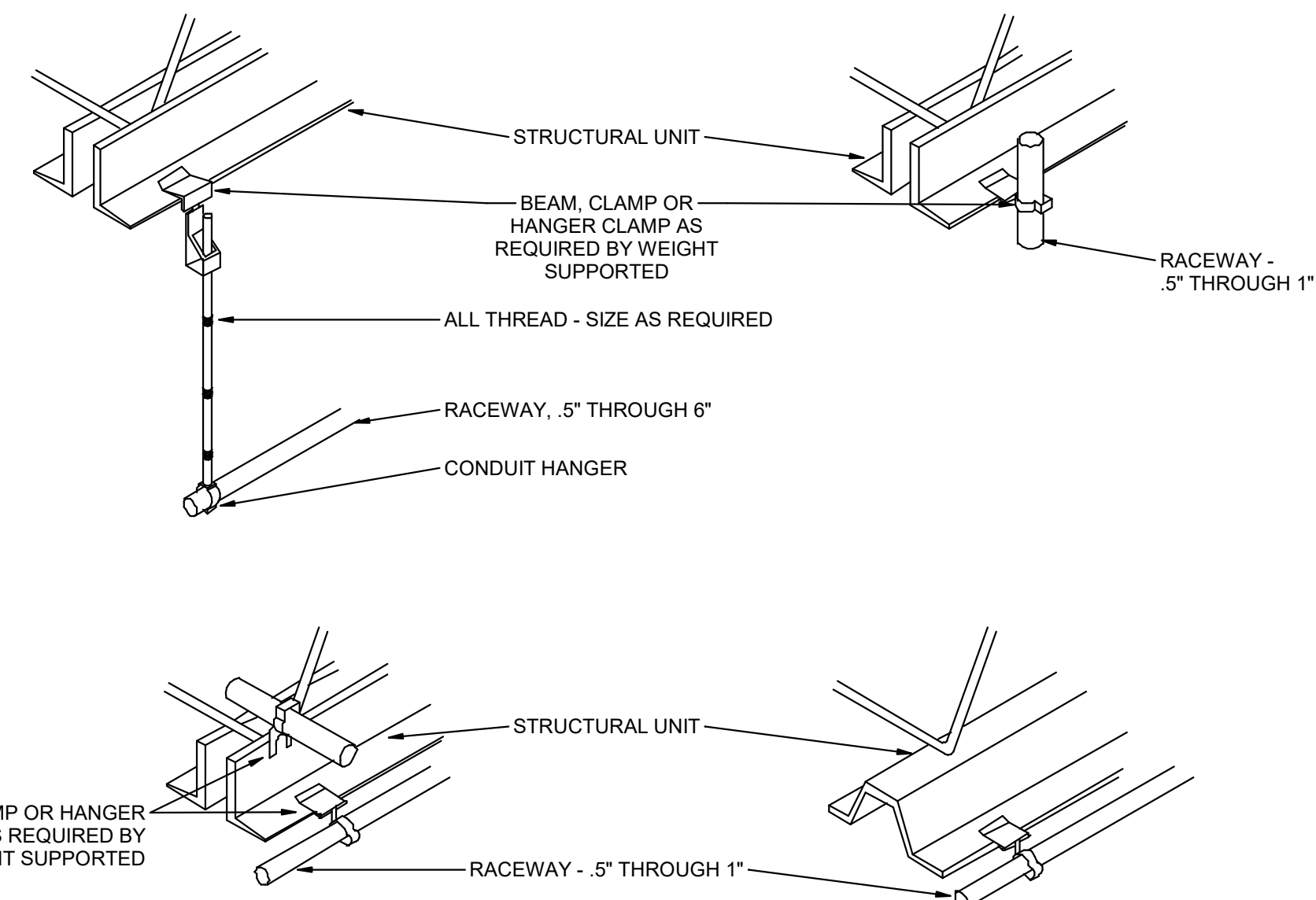


NOTES:

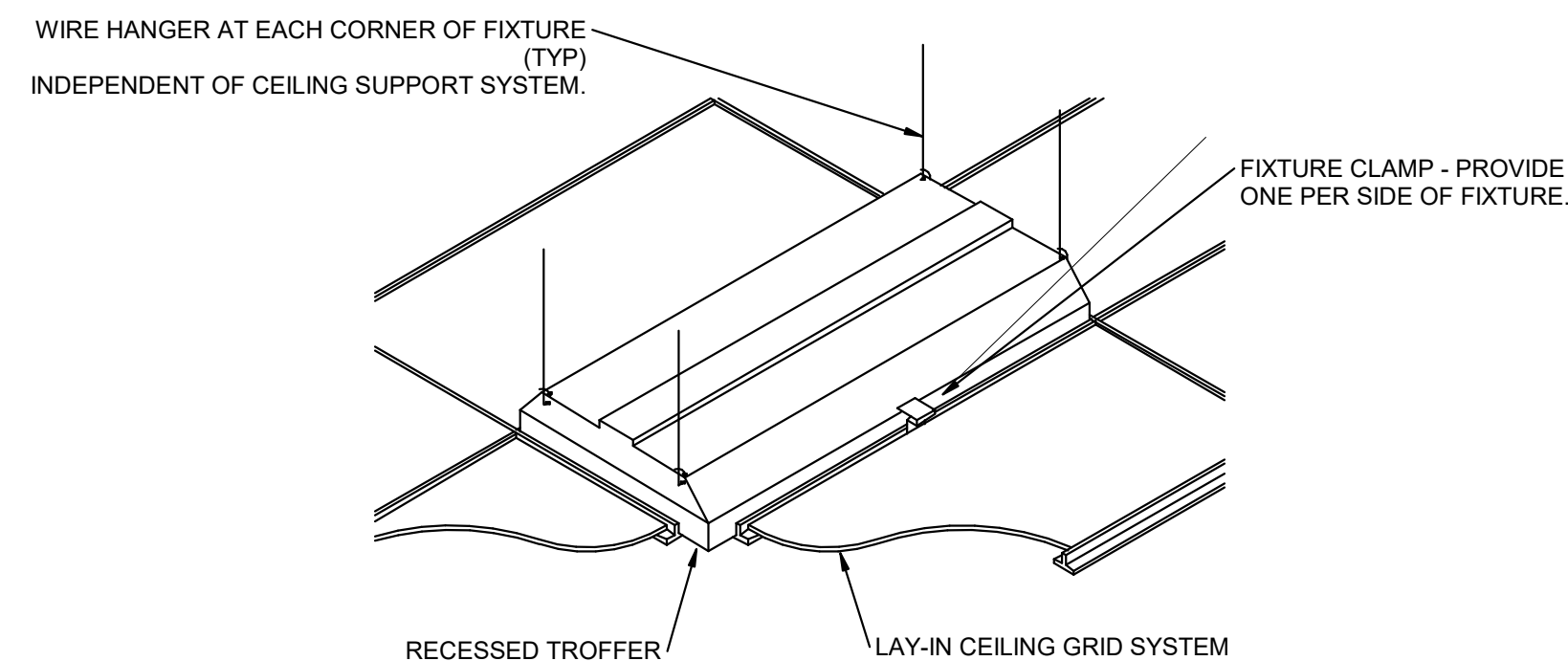
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

C4 TYPICAL ROUGH-IN REQUIREMENTS DETAIL
SCALE: 1/8" = 1'-0"

NOTE:
TIE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.



D4 TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: 1/8" = 1'-0"



D2 RECESSED FIXTURE MOUNTING DETAIL
SCALE: 1/8" = 1'-0"

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<p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT</p>
	<p>PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>
<p>SHEET DESCRIPTION: ELECTRICAL DETAILS</p>	<p>SHEET: EE501</p>

MARK	REVISION	DATE

GENERAL SHEET NOTES

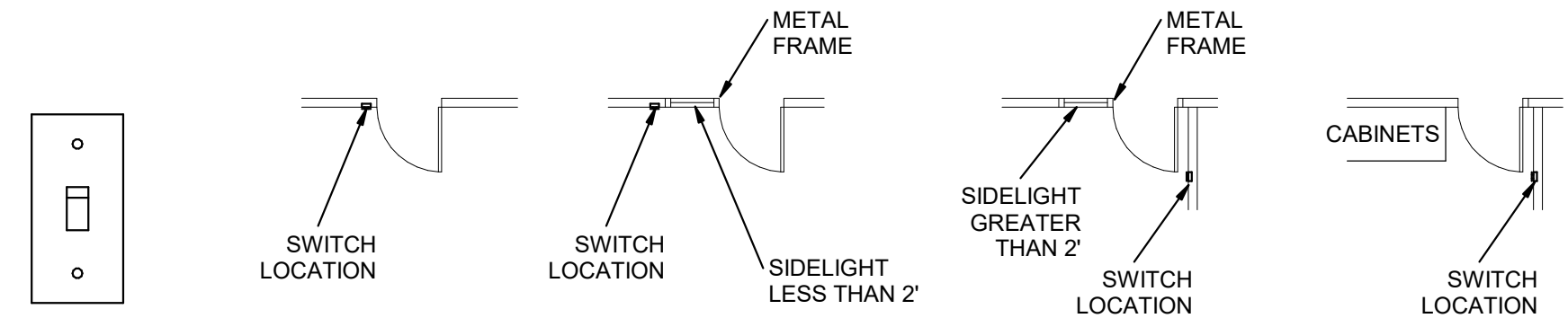
- DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
 - EQUIPMENT SHOP DRAWINGS.
 - FIELD INSTRUCTIONS.
- LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED 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.
- MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
- 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.
- 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.

SHEET KEYNOTES

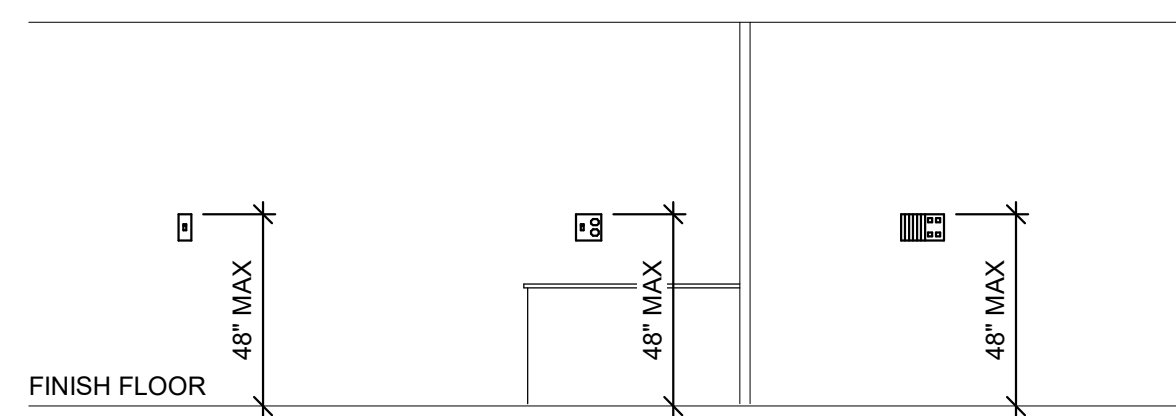
- LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
- REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
- LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
- LOCATE DETECTOR ANYWHERE IN SHADED 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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SWITCHES STANDARD DOOR DOOR WITH SIDELIGHT LESS THAN 2' DOOR WITH SIDELIGHT GREATER THAN 2' DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE

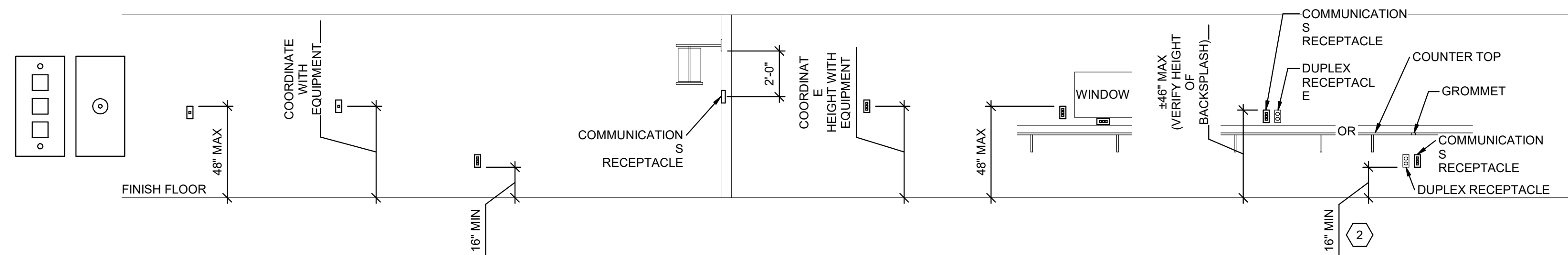


COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM GENERAL USE: ADA LIGHTING CONTROL STATION

A1 SWITCH MOUNTING DETAILS

SCALE: NTS

B

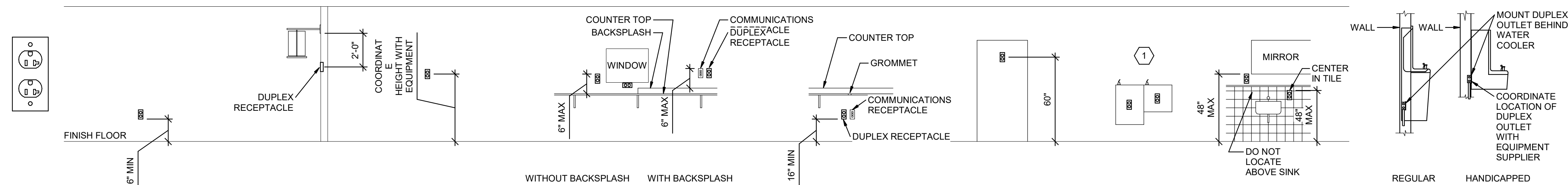


COMMUNICATION RECEPTACLES WALL PHONE PAY PHONE NO SPECIAL REQUIREMENTS WALL BRACKET TV DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT ABOVE COUNTER - TYPICAL RECEPTACLES ABOVE OR BELOW COUNTER

B1 COMMUNICATIONS MOUNTING DETAILS

SCALE: NTS

C

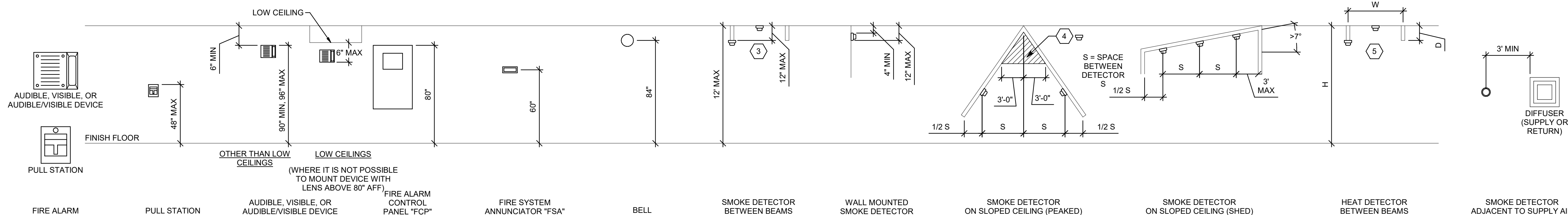


DUPLEX RECEPTACLES NO SPECIAL REQUIREMENTS WALL BRACKET TV DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT RECEPTACLES ABOVE COUNTER RECEPTACLES BELOW COUNTER FULL HEIGHT REFRIGERATORS AND VENDING MACHINES DRINKING FOUNTAIN TILE WALLS DRINKING FOUNTAIN - SIDE ELEVATIONS

C1 RECEPTACLE MOUNTING DETAILS

SCALE: NTS

D



FIRE ALARM PULL STATION AUDIBLE, VISIBLE, OR AUDIBLE/VISIBLE DEVICE FIRE ALARM CONTROL PANEL 'FCP' FIRE SYSTEM ANNUNCIATOR 'FSA' BELL SMOKE DETECTOR BETWEEN BEAMS WALL MOUNTED SMOKE DETECTOR SMOKE DETECTOR ON SLOPED CEILING (PEAKED) SMOKE DETECTOR ON SLOPED CEILING (SHED) HEAT DETECTOR BETWEEN BEAMS SMOKE DETECTOR ADJACENT TO SUPPLY AIR

D1 FIRE ALARM MOUNTING DETAILS

SCALE: NTS

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PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107	
SHEET DESCRIPTION: TYPICAL MOUNTING HEIGHT DETAILS	SHEET: EE701

BIM 360/121-075 IFC Transformation Chimes210588 - Elec Central.rvt
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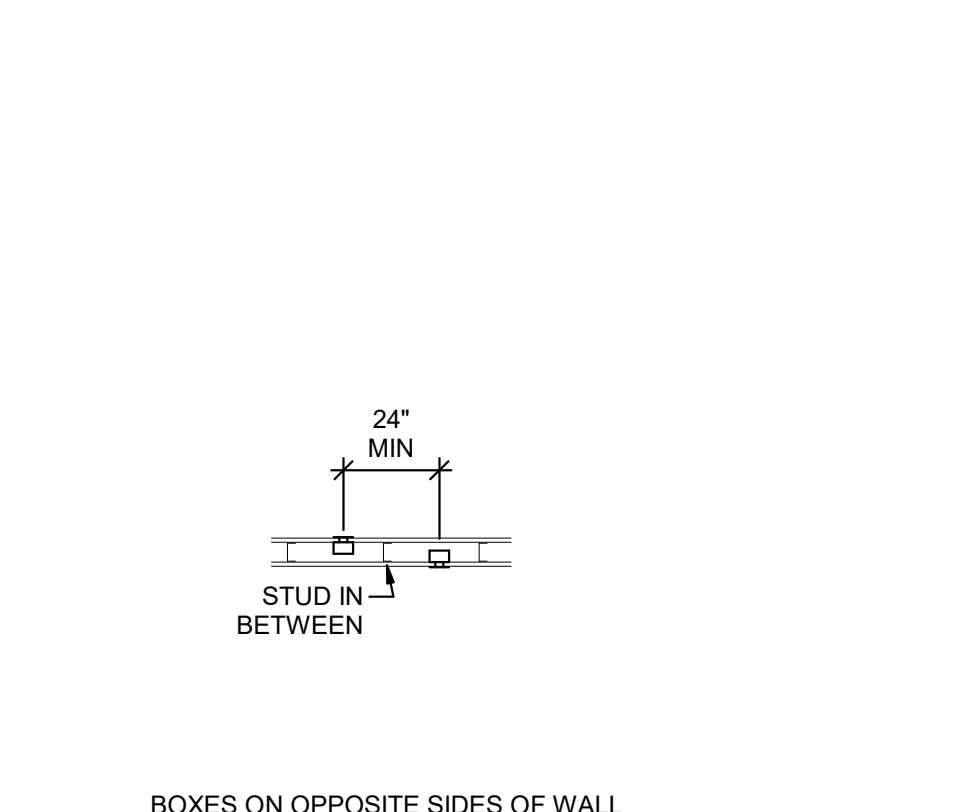
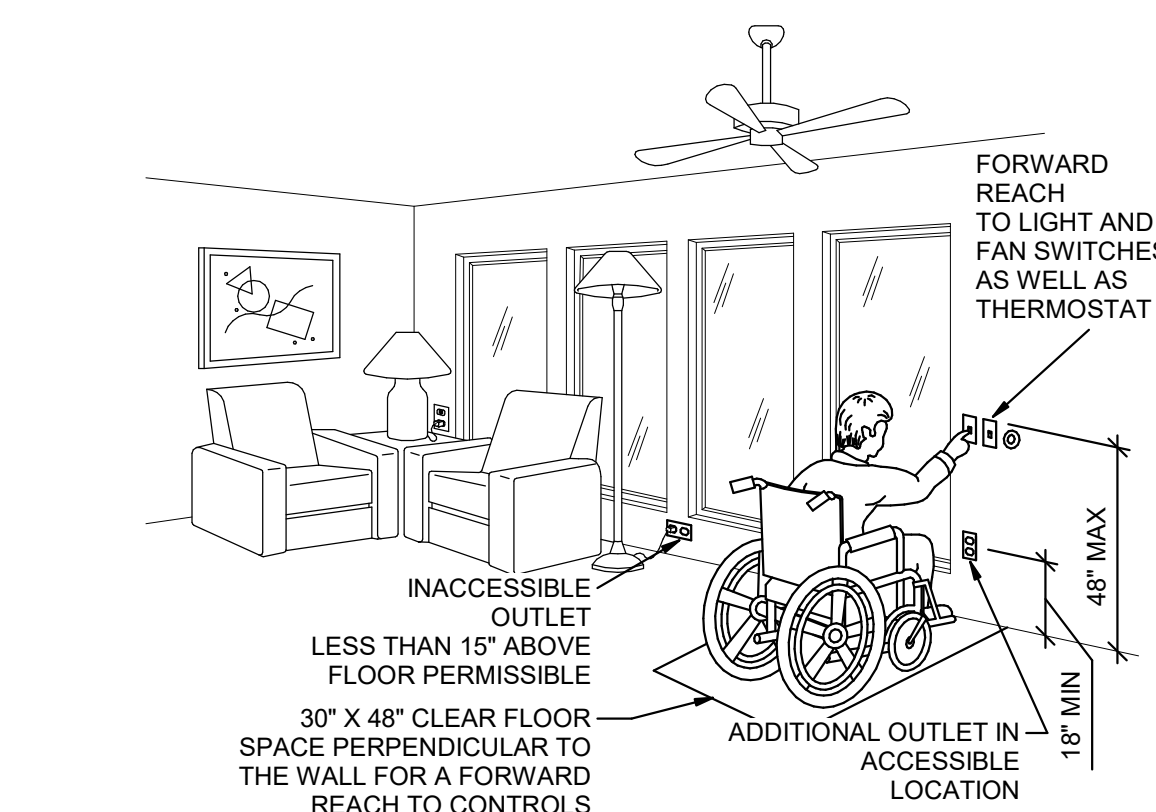
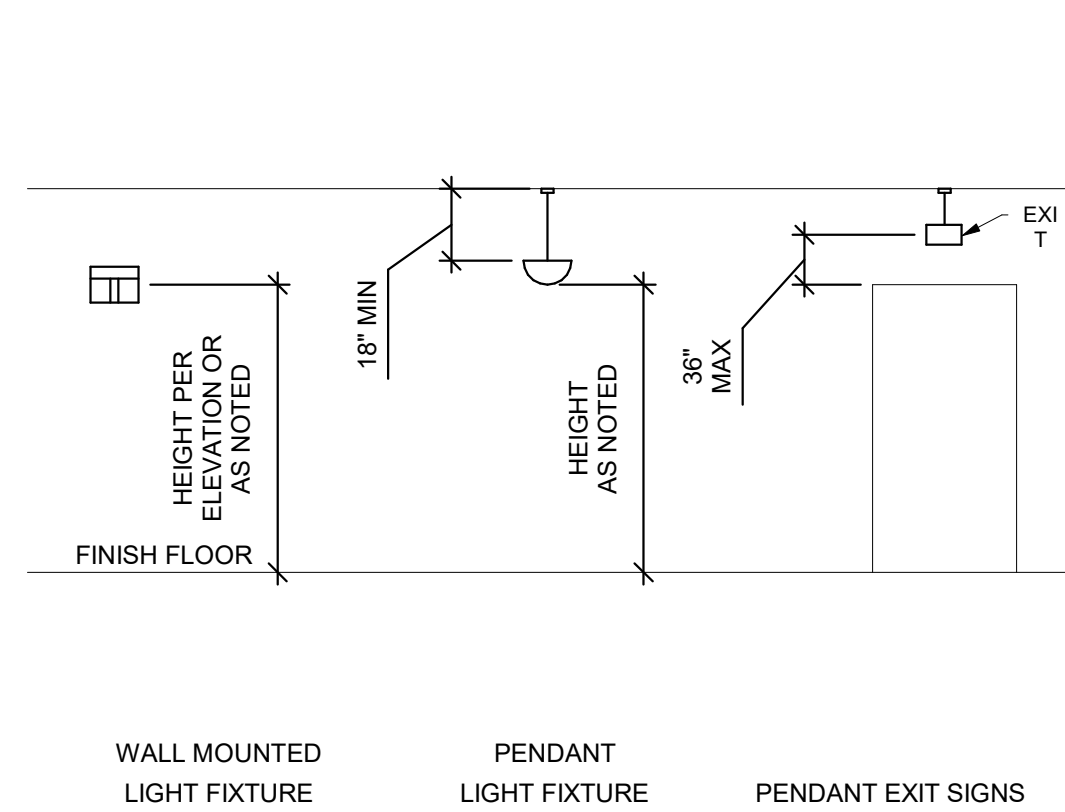
MARK	REVISION	DATE

GENERAL SHEET NOTES

- DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
 - EQUIPMENT SHOP DRAWINGS.
 - FIELD INSTRUCTIONS.
- LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
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- MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
- 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.
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- 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.

SHEET KEYNOTES

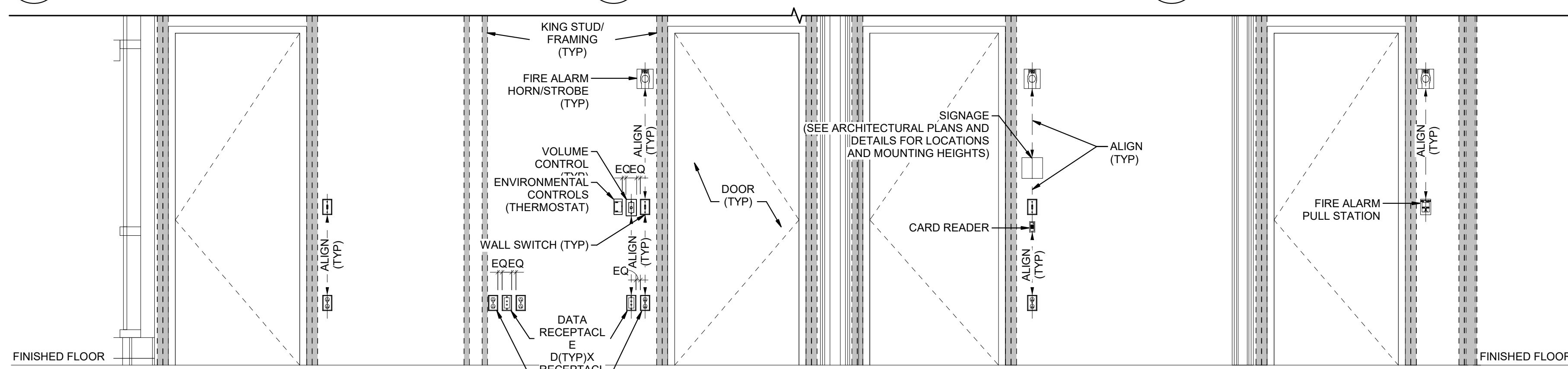
- LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
- REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
- LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
- LOCATE DETECTOR ANYWHERE IN SHADED 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.



C1 LIGHTING MOUNTING DETAILS
SCALE: 1/8" = 1'-0"

C2 ADA DETAIL
SCALE: 1/8" = 1'-0"

C3 BOX MOUNTING DETAILS
SCALE: 1/8" = 1'-0"



D1 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL
SCALE: 1/2" = 1'-0"

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	PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107
SHEET DESCRIPTION: TYPICAL MOUNTING HEIGHT DETAILS	SHEET: EE702

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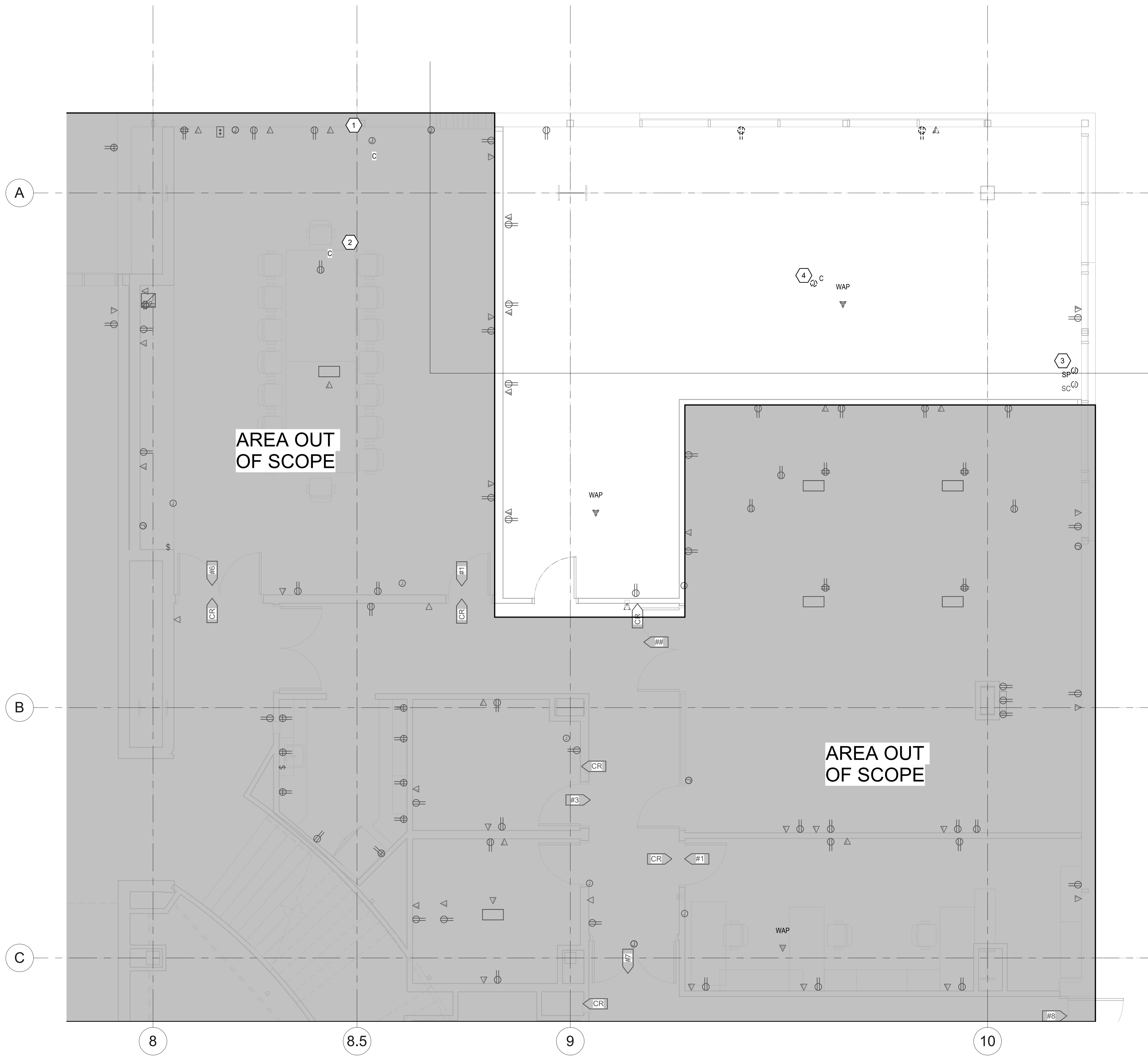
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MARK	REVISION	DATE

GENERAL SHEET NOTES

- A UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES, DEVICES AND EQUIPMENT SHOW DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- B 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.
- C PRIOR TO THE REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- D ALL ITEMS INDICATE TO REMAIN (OR NOT EXPLICITLY SHOWN TO BE DEMOLISHED) SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

SHEET KEYNOTES

- 1 PROVIDE DATA AND CODE BLUE IM4100 2-WAY SPEAKER PHONE SYSTEM. COORDINATE EXACT LOCATION OF COMMUNICATIONS BOX WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 POWER AND DATA FOR VENDING MACHINES. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT PRIOR TO ROUGH-IN.
- 3 EXISTING CIRCUITS FEEDING FURNITURE FEEDS TO BE REMOVED MAY BE REUSED FOR NEW ELECTRICAL CIRCUITING (1LA-10, 12, 14). FIELD VERIFY EXACT CIRCUITS AVAILABLE. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.
- 4 EXISTING SPARE CIRCUITS INTENDED FOR USE IN THIS SPACE ARE TERMINATED IN A JUNCTION BOX MOUNTED TO THE CEILING DECK ABOVE AND MAY BE USED FOR NEW ELECTRICAL CIRCUITING (1LA-38, 40, 42). FIELD VERIFY EXACT CIRCUITS AVAILABLE. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.

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PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107	
--	--

SHEET DESCRIPTION: LEVEL 1 ELECTRICAL DEMOLITION PLAN	SHEET: ED101
---	------------------------

1 LEVEL 1 ELECTRICAL DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

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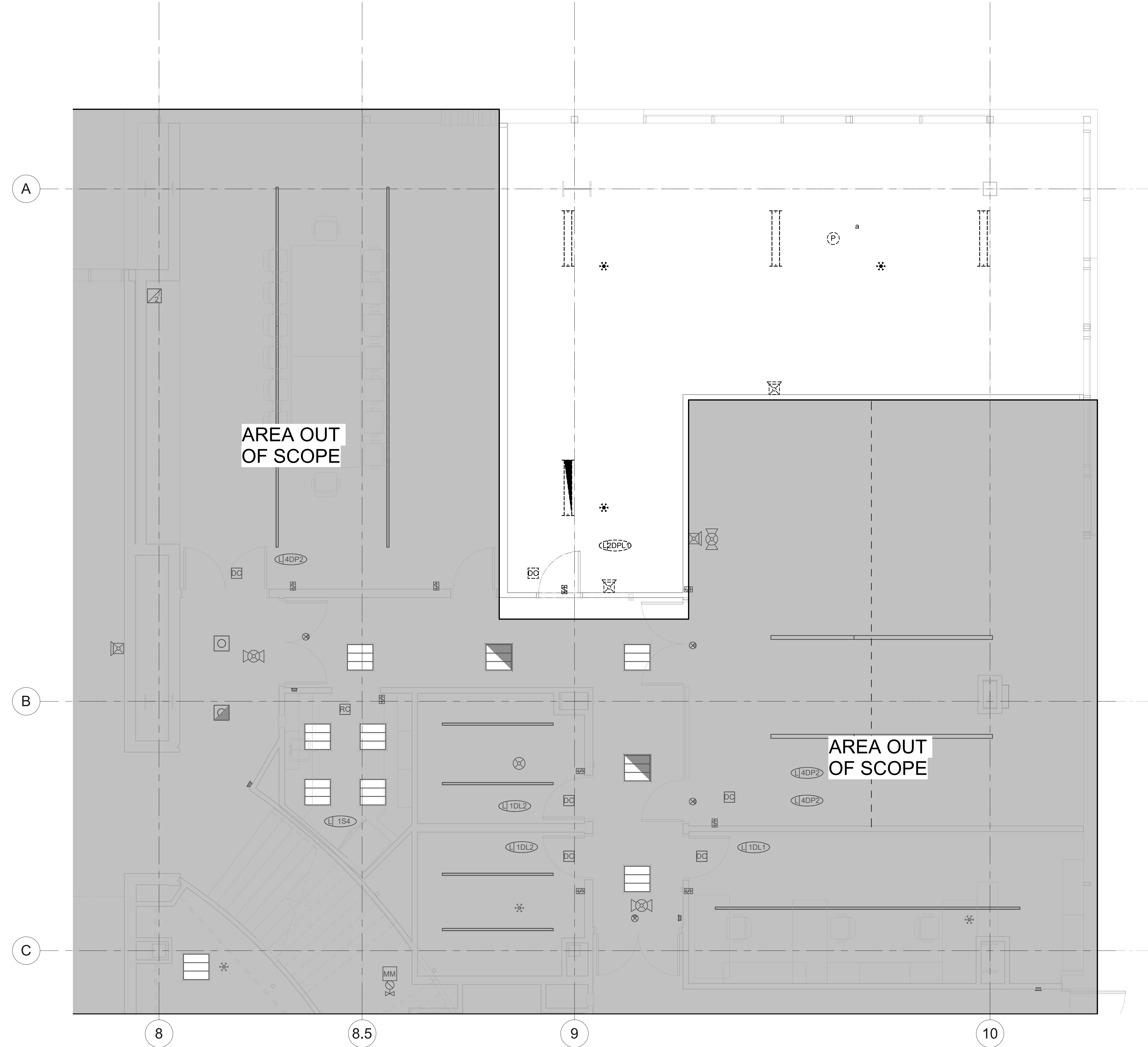
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MARK	REVISION	DATE

GENERAL SHEET NOTES


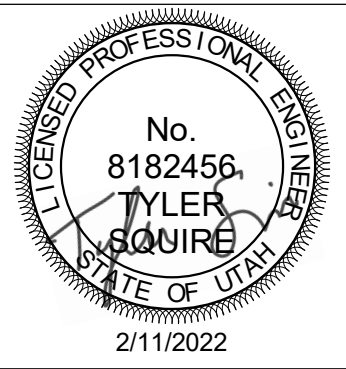
- A UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES, DEVICES AND EQUIPMENT SHOW DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- B PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.
- C PRIOR TO THE REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
- D ALL ITEMS INDICATE TO REMAIN (OR NOT EXPLICITLY SHOWN TO BE DEMOLISHED) SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

SHEET KEYNOTES

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1 LEVEL 1 CEILING DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

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PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107	 No. 8182456 TYLER SQUIRE LICENSED PROFESSIONAL ENGINEER STATE OF UTAH 2/11/2022
SHEET DESCRIPTION: LEVEL 1 CEILING DEMOLITION PLAN	SHEET: ED102

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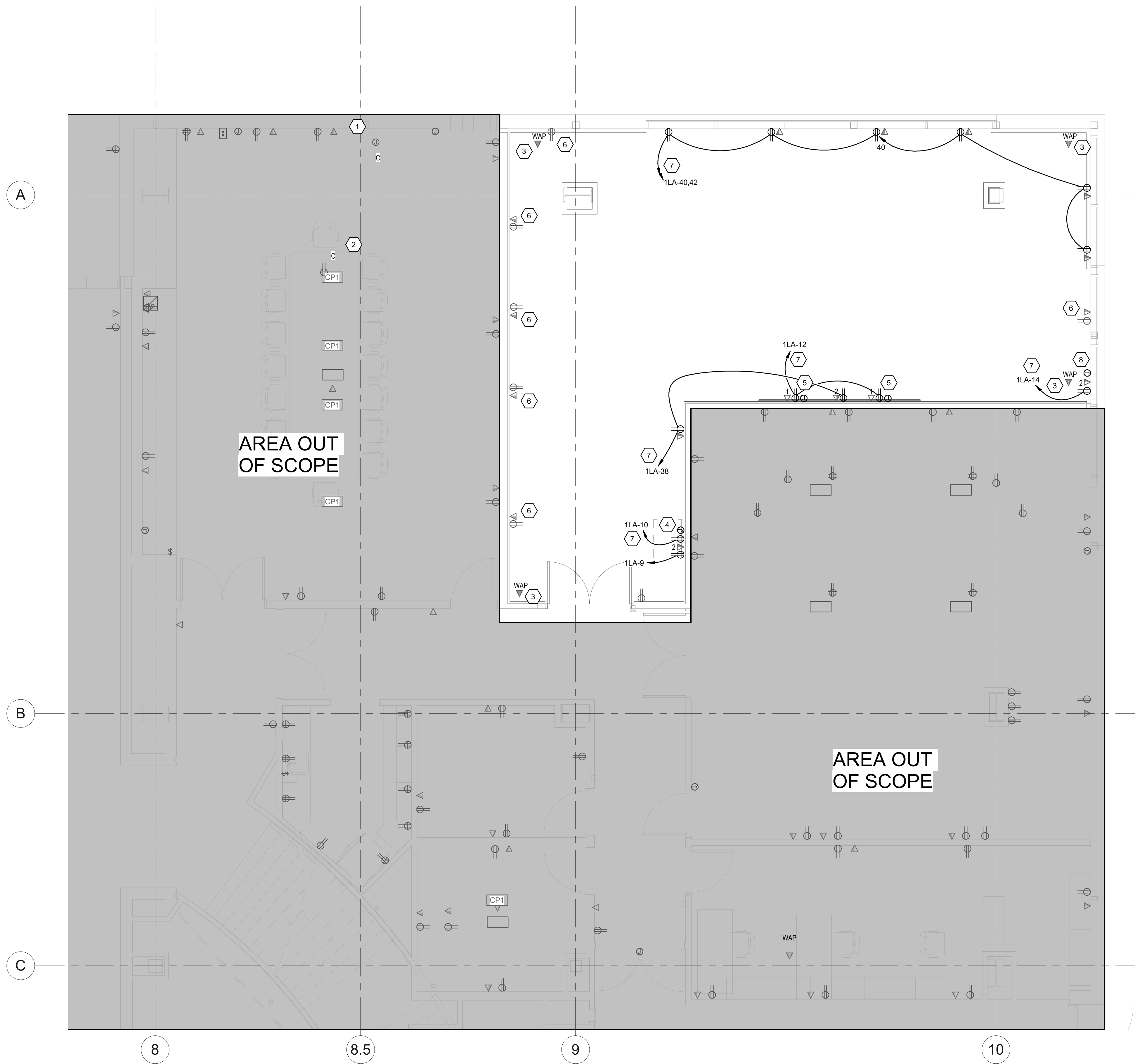
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MARK	REVISION	DATE

GENERAL SHEET NOTES

- A COORDINATE ALL AUDIO/VISUAL ROUGH-IN WITH AV INSTALLERS PRIOR TO INSTALLATION.
- B COORDINATE ALL LOW-VOLTAGE ROUGH-IN (INCLUDING TELECOM AND SECURITY) WITH IHC AND LOW-VOLTAGE INSTALLERS PRIOR TO INSTALLATION.

SHEET KEYNOTES

- 1 PROVIDE DATA AND CODE BLUE IM4100 2-WAY SPEAKER PHONE SYSTEM. COORDINATE EXACT LOCATION OF COMMUNICATIONS BOX WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 POWER AND DATA FOR VENDING MACHINES. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT PRIOR TO ROUGH-IN.
- 3 PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT. PROVIDE CEILING MOUNTED 4-SQUARE, DEEP JUNCTION BOX WITH 1" CONDUIT TO CABLE TRAY. COORDINATE WITH IHC LOW-VOLTAGE INSTALLERS.
- 4 PROVIDE PAC526 AV JUNCTION BOX BEHIND AV EQUIPMENT RACK WITH 2EA. 2" CONDUITS AND 1 EA 1" CONDUIT STUBBED TO CEILING. COORDINATE INSTALLATION WITH AV INSTALLERS PRIOR TO ROUGH-IN.
- 5 PROVIDE PAC526 AV JUNCTION BOX FOR EACH AV MONITOR WITH 2 EA. 1" CONDUITS FROM JUNCTION BOX STUBBED TO ABOVE ACCESSIBLE CEILING AND 1 EA 1" CONDUIT STUBBED TO FLOOR. COORDINATE INSTALLATION WITH AV INSTALLERS PRIOR TO ROUGH-IN.
- 6 MAINTAIN EXISTING ELECTRICAL CIRCUIT.
- 7 EXTEND EXISTING ELECTRICAL CIRCUIT TO THIS LOCATION. REFER TO ELECTRICAL DEMOLITION SHEET FOR ADDITIONAL INFORMATION. FIELD VERIFY EXACT CIRCUITS AVAILABLE. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.
- 8 PROVIDE RECESSED 8" SQUARE JUNCTION BOX FOR AV CONNECTIONS. PROVIDE 2 EA 2" CONDUITS STUBBED TO ABOVE THE ACCESSIBLE CEILING.

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PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT 5026 SOUTH STATE STREET MURRAY, UTAH 84107

SHEET DESCRIPTION: LEVEL 1 POWER PLAN	SHEET: EP101
---	------------------------

1 LEVEL 1 POWER PLAN
 SCALE: 1/4" = 1'-0"

EXISTING PANEL: "1LA"

Table with columns: H, PANEL SIZE & TYPE, MAIN SIZE AND TYPE, LOCATION, CABINET, NOTES. Includes a detailed panel schedule table with columns for CKT, OCP, LOAD (kVA), PHASE LOAD (A, B, C), DESCRIPTION, and AIC RATING: 10000.

Table with columns: MARK, REVISION, DATE.

BIM 360/121-0715 IHC Transformation Chimes210588 - Elec Central.rvt 2/17/2022 2:02:54 PM



Project information block including: CURTIS MINER ARCHITECTURE logo, project name (IGTC CHIMES EXPANSION TENANT BUILDOUT), location (5026 SOUTH STATE STREET), and a professional engineer seal for Tyler Squire.

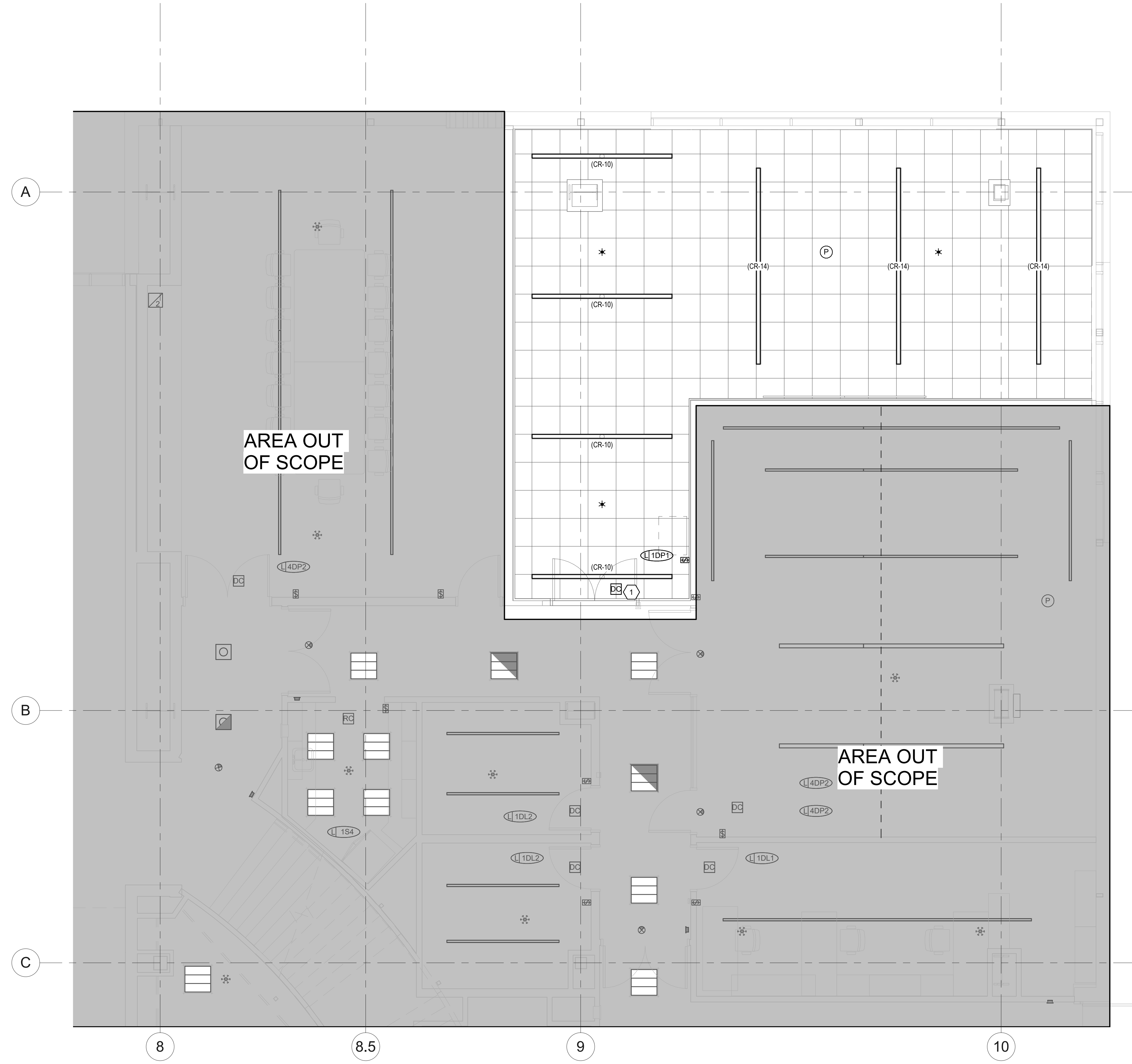
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MARK	REVISION	DATE

GENERAL SHEET NOTES

SHEET KEYNOTES

1 CIRCUIT TO EXISTING LIGHTING CIRCUIT PREVIOUSLY FEEDING LIGHTING IN THIS AREA.

BIM 360/121-075 IHC Transformation Chimes210588 - Elec Central.rvt
2/17/2022 2:02:37 PM

1 LEVEL 1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

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	<p>PROJECT #: 21-075</p>	<p>PROJ. MAN.: JSJ</p>
	<p>CHECKED BY: GWT</p>	<p>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2021 CURTIS MINER ARCHITECTURE, LLC</p>

<p>PROJECT:</p> <p>IGTC CHIMES EXPANSION TENANT BUILDOUT</p> <p>5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>	
---	--

<p>SHEET DESCRIPTION:</p> <p>LEVEL 1 LIGHTING PLAN</p>	<p>SHEET:</p> <p>EL101</p>
---	-----------------------------------

MARK	REVISION	DATE

INTERIOR LIGHTING FIXTURE SCHEDULE

ABBREVIATIONS

LUMINAIRE OPTIONS	MOUNTING	EMERGENCY	BALLAST	FINISH	LENS	REFLECTOR
<ul style="list-style-type: none"> ARHR - AIR RETURN AND HEAT REJECTION DL - DAMP LOCATION EQC - EARTHQUAKE CLIPS F - FUSING HLD - HINGED AND LATCHED DOOR HS - HOUSE SIDE SHIELD PS - PHOTOCELL SWITCH QRS - QUARTZ RESTRIKE ST - STATIC WG - WIRE GUARD WL - WET LOCATION 	<ul style="list-style-type: none"> B - BASE C - CEILING F - FLANGE G - GRID P - PENDANT PL - POLE R - RECESSED S - SURFACE W - WALL 	<ul style="list-style-type: none"> NE - NORMAL AND EMERGENCY CONNECTIONS EB - EMERGENCY BATTERY PACK ET - EMERGENCY TRANSFER DEVICE 	<ul style="list-style-type: none"> IS - INSTANT START RS - RAPID START PS - PROGRAM START, PARALLEL OPERATION PSMH - PULSE START METAL HALLIDE (CWA OR ELECTRONIC) PPLF - PROVIDE POWER LINE FILTER LVTM - LOW VOLTAGE TRANSFORMER (MAGNETIC) LVTE - LOW VOLTAGE TRANSFORMER (ELECTRONIC) 	<ul style="list-style-type: none"> MW - MATTE WHITE BL - BLACK SL - SILVER GL - GOLD CL - CLEAR PW - PAINTED WHITE EA - EXTRUDED ALUMINUM S - STEEL GS - GALVANIZED STEEL C - CAST CBA - COLOR BY ARCHITECT SCBA - STANDARD COLOR BY ARCHITECT CCA - CUSTOM COLOR BY ARCHITECT FS - MEETS FEDERAL STANDARD 209D TP - THERMALLY PROTECTED FL - FLUSH R - REGRESS M - MITERED 	<ul style="list-style-type: none"> MA - ACRYLIC #THICK RA - ACRYLIC #THICK (OPAL) GC - GLASS (CLEAR) GO - GLASS (OPAL) GF - GLASS (FROSTED) SGL - SOFT GLOW LENS HPL - HIGH PERFORMANCE LENS DO - DROP OPAL CGL - CONVEX GLASS LENS S - SATIN LENS 	<ul style="list-style-type: none"> OP - NONE/OPEN SP - SPECULAR SS - SEMI-SPECULAR D - DIFFUSE (WHITE ENAMEL) SC - SPECULAR (COLORED) PR - PRISMATIC FDR - FULL DEPTH REFLECTOR DS - DIFFUSE (SEMI SPECULAR) SILVER LI - LOW IRIDESCENT IR - IRIDESCENT SL - SILVER GL - GOLD CA - CLEAR ALZAK
<p>1. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.</p> <p>2. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.</p> <p>3. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, BALLASTS, AND LAMPS.</p> <p>4. ALL FIXTURES SHALL BE APPROVED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE INTENDED AND WITH THE LAMP AND BALLAST PROPOSED.</p>						
<p>DIMMING BALLAST</p> <ul style="list-style-type: none"> D2 - 2 WIRE DIMMER D3 - 3 WIRE DIMMER D4 - 4 WIRE DIMMER DD - DIGITAL DIMMER SDP - STEP DIMMER BALLAST 				<p>LENS CLASSIFICATIONS</p> <ul style="list-style-type: none"> DIR - DIRECT LIGHTING SD - SEMIDIRECT LIGHTING GEN - GENERAL DIFFUSE SI - SEMI-INDIRECT LIGHTING IND - INDIRECT LIGHTING ADJ - ADJUSTABLE 		
<p>BALLAST NOTATION</p> <p>ANSI WATTS = Maximum Wattage at Connected Voltage</p> <p>BB-#: BB = Ballast Type #L = Number of Lamps</p> <p>Example: PS-2L = (2) Lamp, Program Start Ballast</p>				<p>OPTICS</p> <ul style="list-style-type: none"> PRF - PERFORATED DIFFUSER DT - DETENTION BC - BLACK CONE BB - BLACK BAFFLE WB - WHITE BAFFLE VGL - VERTICAL GRAIN LOUVERS PPL - LOUVERS IN PLASTIC PROTECTOR WW - WALL WASH ESL - ELECTROSTATIC SHIELDED LENS 		

NOTES

- PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER.
- CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

LIGHTING FIXTURE SCHEDULE - INTERIOR

ID	TYPE	LUMINAIRE				LAMP	BALLAST CONNECTED		FINISH	OPTICS						MANUFACTURER (CATALOG SERIES)																				
		LENGTH	WIDTH	MAX DEPTH	DIAMETER/APERTURE		OPTIONS	LAMP COLOR		VOLTS	WATTS	HOUSING	TRIM	OTHER	CIE TYPE	FINISH	DIFFUSER	REFLECTOR	LUMINAIRE LUMENS	OPTIONS	OPTION 1	OPTION 2	OPTION 3	OPTION 4	OPTION 5	OPTION 6										
(CR-10)	RECESSED FLUSH LED	10"	4"	5"	-	ST, EQC, HLD	4000K	277	60					DIR						4500																
(CR-14)	RECESSED FLUSH LED	14"	4"	5"	-	ST, EQC, HLD	4000K	277	84					DIR						4500																

LIGHTING/SPACE CONTROL TYPE SCHEDULE

WIRING LEGEND	APPROVED MANUFACTURERS	LIGHTING CONTROL ID	GENERAL NOTES	GENERAL NOTES
<ul style="list-style-type: none"> — LINE VOLTAGE WIRING - - - 0-10V WIRING ----- CATSE CABLING — WIRING BY OTHERS ○ TWP SEGMENT NETWORK CABLING 	<ol style="list-style-type: none"> 1. WATTSTOPPER (BASIS OF DESIGN) 2. NULIGHT 3. HUBBEL BUILDING AUTOMATION 4. GREENGATE 	<ol style="list-style-type: none"> 1. # = NUMBER OF ZONES 2. D = DIMMING, S = SWITCHING 3. P = DAYLIGHT PHOTOCELL 4. L = PLUG LOAD CONTROLLER 5. # = INSTANCE 	<ol style="list-style-type: none"> 1. COORDINATE INITIAL PROGRAMMING WITH OWNER AND MODIFY CONTROL TIMES AND OPERATION AS REQUESTED BY OWNER. 2. PROVIDE FINE TUNING PROGRAMMING AND ADJUSTMENTS UPON REQUEST BY OWNER WITHIN FIRST 6 MONTHS AFTER SUBSTANTIAL COMPLETION. 3. PROVIDE CUSTOMIZED ENGRAVED PERMANENT BUTTON LABELS ON EACH SWITCH, LABEL TO MATCH BUTTON LABEL ID OR AS DIRECTED BY OWNER. 4. PART NUMBERS SHOWN ARE BASED ON WATTSTOPPER AS THE BASIS OF DESIGN. ALL APPROVED MANUFACTURERS ARE SUBJECT TO MEETING ALL FUNCTION AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO PROVIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST. 	<ol style="list-style-type: none"> 5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES. 6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS. 7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM. 8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

ID	DETAIL	LIGHTS ON CONTROL	LIGHTS OFF CONTROL	LIGHTING CONTROL TYPE	DAYLIGHT SENSOR SETTING (FC)	TIME DELAY TO OFF (MIN.)	BAS AUX RELAY SIGNAL	PLUG LOAD CONTROLLER	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES	
1DP1		MANUAL & OCCUPANCY	MANUAL OR OCCUPANCY	DIMMING 0-10V	30	15	RELAY CLOSED ON OCCUPANCY													FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID. TOP-ON/RAISE BOTTOM-OFF/LOWER

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<p>CMA CURTIS MINER ARCHITECTURE</p> <p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 11 FEBRUARY 2022 PROJECT #: 21-075 PROJ. MAN.: JSJ CHECKED BY: GWT</p> <p>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2021 CURTIS MINER ARCHITECTURE, LLC</p>
<p>PROJECT: IGTC CHIMES EXPANSION TENANT BUILDOUT</p> <p>5026 SOUTH STATE STREET MURRAY, UTAH 84107</p>	
<p>PROFESSIONAL ENGINEER No. 8182456 TYLER SCQUIRE STATE OF UTAH 2/11/2022</p>	
<p>SHEET DESCRIPTION: INTERIOR LIGHTING FIXTURE SCHEDULE</p>	<p>SHEET: EL601</p>

1

2

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4

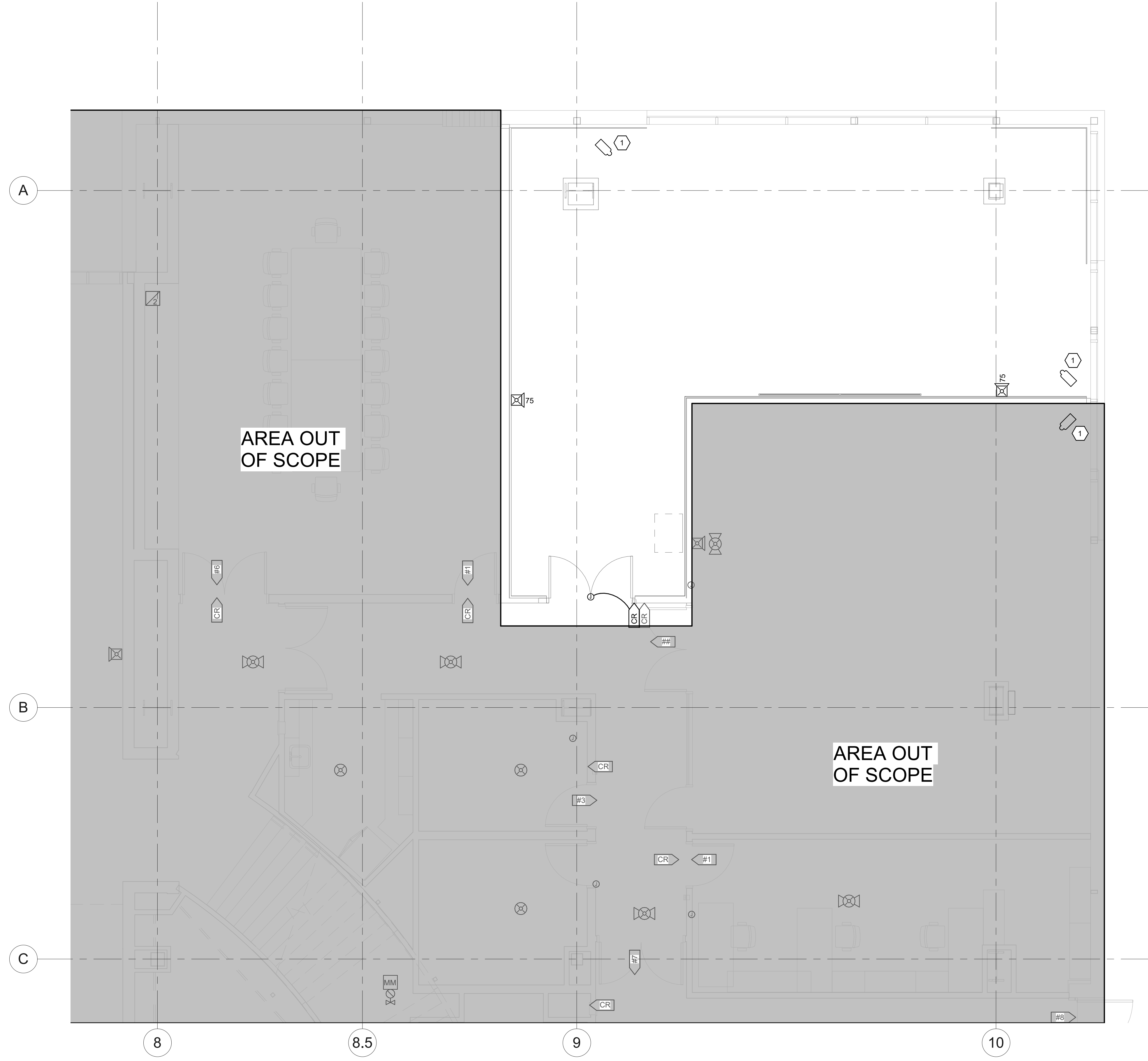
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A

B

C

D



MARK	REVISION	DATE

GENERAL SHEET NOTES

A CONNECT ALL NEW FIRE ALARM DEVICES TO EXISTING SIEMENS FIRE ALARM SYSTEM.

SHEET KEYNOTES

1 PROVIDE ROUGH-IN FOR SECURITY CAMERAS. PROVIDE CEILING MOUNTED 4-SQUARE, DEEP JUNCTION BOX WITH 1" CONDUIT TO CABLE TRAY.

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PROJECT: **IGTC CHIMES EXPANSION TENANT BUILDOUT**
 5026 SOUTH STATE STREET
 MURRAY, UTAH 84107

TYLER SQUIRE
 No. 8182456
 LICENSED PROFESSIONAL ENGINEER
 STATE OF UTAH
 2/11/2022

SHEET DESCRIPTION: **LEVEL 1 AUXILIARY PLAN**

SHEET: **EY101**

1 LEVEL 1 AUXILIARY PLAN
 SCALE: 1/4" = 1'-0"

BIM 360/121-075 IHC Transformation Chimes210588 - Elec Central.rvt
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