

# CHRISTY SPORTS RENOVATION GONDOLA SQUARE - BUILDING "D"

2305 MT. WERNER CIRCLE, STEAMBOAT SPRINGS, CO 80487



# PERMIT DRAWING SET

May 2, 2022

## PROJECT DESIGN TEAM

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M100	MECHANICAL PLAN LOWER LEVEL
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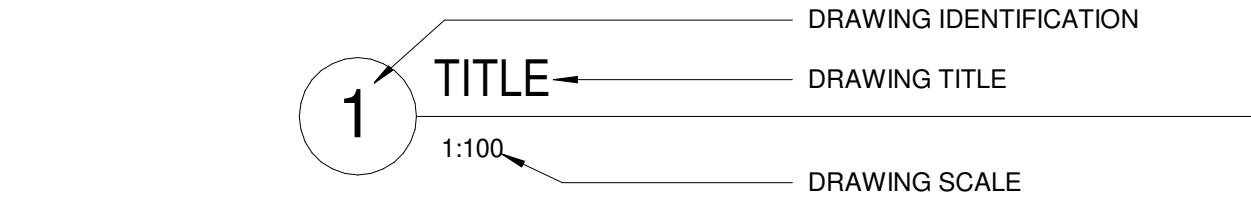


ARCHITECTURAL / INTERIORS ABBREVIATIONS

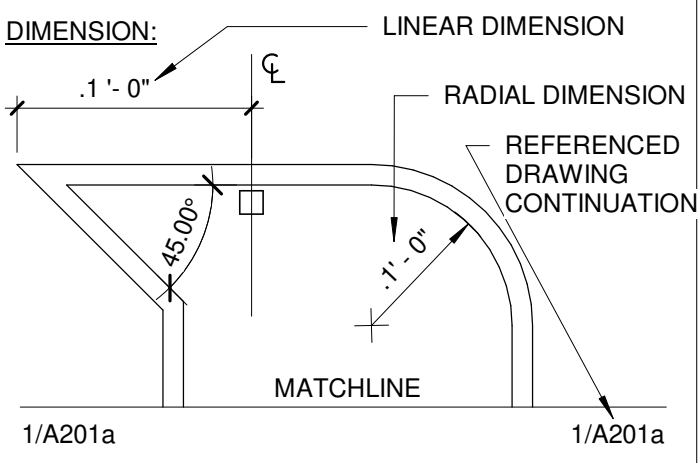
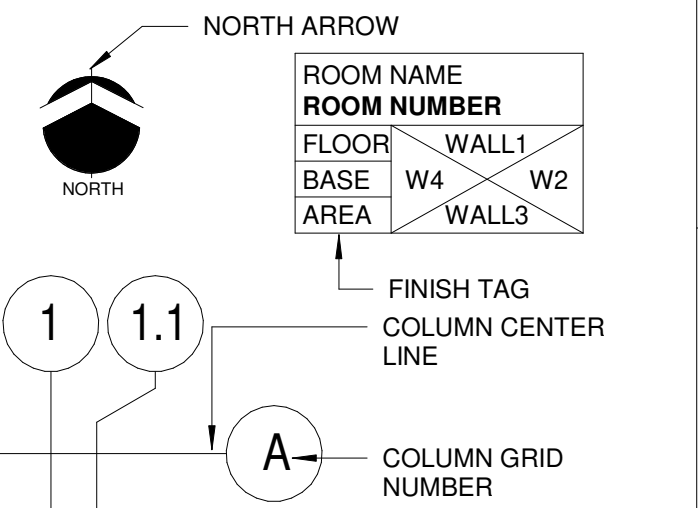
& (E) (N) (R) @ AB ACC ACOUS ACT AD ADD ADJ AFC AFF AFG ALT ALUM ANOD APPROX ARCH ASSY	AND EXISTING NEW REL-LOCATED AT ANCHOR BOLT ACCESSIBLE ACOUSTICAL ACOUSTIC CEILING TILE AREA DRAIN ADDITIONAL ADJACENT / ADJUSTABLE ABOVE FINISH CEILING POUR ABOVE FINISH FLOOR ABOVE FINISH GRADE ALTERNATE ALUMINUM ANODIZED APPROXIMATE / APPROXIMATELY ARCHITECT/ARCHITECTURAL ASSEMBLY	IN INCL INFO INSUL INT JAN L LAB LAM LAND LAV LB LF LOC LVR M MACH MAINT MAT'L MAX MDF MECH MEZZ MFR MIN MIR MISC mm MTD MTL N NA NFPA NIAC NIC NOM NR NTS OC OD OH OPNG OPP P PAF PARTN PERF PERIM PERP PKG PL PLAM PLBG PLB PLN PLYWD PNL PR PREFAB PROJ PSI PT PTD PTN PVC PWR QT QTY R RA RB RCP RD RECPT RE REF REFL REFR REINF REQ RESIL RET REV RM RO SAN SCHED SECT SF SHT SHWR SIM SPEC SPKR SQ SS ST STC STD STL STOR STRUCT SUSP SYMM SYS T.O. TEL TEMP THRU TV TYP UNO UON VIF W/ W/O WC WD	INCH INCLUDED / INCLUDING INFORMATION INSULATION INTERIOR JANITOR / JANITOR'S CLOSET LONG / LENGTH / LITRE LABORATORY LAMINATE / LAMINATION LANDSCAPE / LANDSCAPING LAVATORY LINEAR (HEIGHT) LINEAR FOOT / LINEAR FEET LOCATION LOUVER METER MACHINE MAINTENANCE MATERIAL MAXIMUM MEDIUM DENSITY FIBERBOARD MECHANICAL MEZZANINE MANUFACTURER MINIMUM MIRROR MISCELLANEOUS MILLIMETER MOUNTED METAL NORTH NOT APPLICABLE NATIONAL FIRE PROTECTION AGENCY NOT IN ARCHITECTURAL CONTRACT NOT IN CONTRACT NOMINAL NOT RATED / NON-RATED NOT TO SCALE ON CENTER OUTSIDE DIAMETER / OUTSIDE DIMENSION OVERHEAD OPENING OPPOSITE PAINT POWDER ACTUATED FASTENER PARTITION PERFORATED PERIMETER PERPENDICULAR PARKING PLATE / PLASTIC LAMINATE / PROPERTY LINE PLASTIC LAMINATE PLUMBING PLAN PLYWOOD PANEL PAIR PREFABRICATED PROJECT POUNDS PER SQUARE INCH POINT / PAINT PAINTED PARTITION POLYVINYL CHLORIDE POWER QUARRY TILE / QUART QUANTITY RADIUS / RIGHT RETURN AIR RESILIENT BASE / RUBBER BASE REFLECTED CEILING PLAN ROOF DRAIN RECEPTACLE REFER / REGARDING REFERENCE / REFRIGERATOR REFLECTED / REFLECTIVE / REFLECT REFRIGERATOR REINFORCED / REINFORCING REQUIRE(D) / REQUIREMENTS RESILIENT RETAINING REVISION / REVISE(D) ROOM ROUGH OPENING SANITARY SCHEDULE / SCHEDULED SECTION / VERTICAL SECTION SQUARE FEET SHEET SHOWER SIMILAR SPECIFICATION(S) SPEAKER SQUARE STAINLESS STEEL / SOLID SURFACE STONE SOUND TRANSMISSION COEFFICIENT STANDARD STEEL STORAGE STRUCTURAL SUSPENDED SYMMETRICAL SYSTEM TOP OF ... TELEPHONE / TELECOM TEMPERATURE THROUGH TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED VERIFY IN FIELD WITH WITHOUT WATER CLOSET WOOD
BD BEL BFG BLDG BLKG BOT CAB CEM CG CJP CL CLG CLR cm CMU CNTR COL CONC CONN CONST CONT CONTR COORD CORR CTR CTSK D DBL DCJ DEG DEMO DF DIA DIM DISP DMPF DN DO DP DPTN DR DRN DTL DW DWG DWR E EA EB EJ EL ELEC ELEV EMERG ENCL EQ EQUIP ES EW EXH EXIST EXP EXT FA FACT FD FDC FDN FE FEC FF FFE / FF&E FHC FIN FIXT FL FLASH FO FP FPG FR FS FT FTG FURN GA GALV GC GYP HB HC HDWD HM HORIZ HR HSS HT HVAC	BOARD BELOW BELOW FINISH GRADE BUILDING BLOCKING BOTTOM CABINET CEMENT CORNER GUARD CAST-IN-PLACE CONTROL JOINT / CONSTRUCTION JOINT CENTER LINE CEILING CLEAR CENTIMETERS CONCRETE MASONRY UNIT COUNTER COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CONTRACTOR COORDINATE CORRIDOR CENTER COUNTER SUNK DEEP / DEPTH DOUBLE DRYWALL CONSTRUCTION JOINT DEGREE DEMOLITION / DEMOLISH DRINKING FOUNTAIN / WATER COOLER DIAMETER DIMENSION DISPENSER / DISPOSAL DAMP PROOFING DOWN DOOR OPENING DIMENSION POINT DEMOUNTABLE PARTITION DR DRAIN DETAIL DISHWASHER DRAWING DRAWER EAST EACH EXPANSION BOLT / EXPANSION ANCHOR EXPANSION JOINT ELEVATION ELECTRICAL / ELECTRIC ELEVATOR EMERGENCY ENCLOSURE EQUAL EQUIPMENT EACH SIDE EACH WAY EXHAUST EXISTING EXPPOSED / EXPANSION EXTERIOR FIRE ALARM FACTORY FLOOR DRAIN FIRE DEPARTMENT CONNECTION FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FURNITURE, FINISHES & EQUIPMENT FIRE HOSE CABINET FINISH FIXTURE FLOOR FLASHING FACE OF FIRE PROTECTION FIREPROOFING FRAME / FIRE RATED / FIRE RETARDENT FIRE SPRINKLER FEET FOOTING FURNITURE GAUGE GALVANIZED GENERAL CONTRACT / CONTRACTOR GYPSUM / GYPSUM BOARD HOSE BIBB HOLLOW CORE (DOOR) / HANDICAPPED HARDWARE HARDWOOD HOLLOW METAL HORIZONTAL HOUR HOLLOW STRUCTURAL SECTION HEIGHT HEATING, VENTILATING, AIR CONDITIONING	INCL INFO INSUL INT JAN L LAB LAM LAND LAV LB LF LOC LVR M MACH MAINT MAT'L MAX MDF MECH MEZZ MFR MIN MIR MISC mm MTD MTL N NA NFPA NIAC NIC NOM NR NTS OC OD OH OPNG OPP P PAF PARTN PERF PERIM PERP PKG PL PLAM PLBG PLB PLN PLYWD PNL PR PREFAB PROJ PSI PT PTD PTN PVC PWR QT QTY R RA RB RCP RD RECPT RE REF REFL REFR REINF REQ RESIL RET REV RM RO SAN SCHED SECT SF SHT SHWR SIM SPEC SPKR SQ SS ST STC STD STL STOR STRUCT SUSP SYMM SYS T.O. TEL TEMP THRU TV TYP UNO UON VIF W/ W/O WC WD	INCH INCLUDED / INCLUDING INFORMATION INSULATION INTERIOR JANITOR / JANITOR'S CLOSET LONG / LENGTH / LITRE LABORATORY LAMINATE / LAMINATION LANDSCAPE / LANDSCAPING LAVATORY LINEAR FOOT / LINEAR FEET LOCATION LOUVER METER MACHINE MAINTENANCE MATERIAL MAXIMUM MEDIUM DENSITY FIBERBOARD MECHANICAL MEZZANINE MANUFACTURER MINIMUM MIRROR MISCELLANEOUS MILLIMETER MOUNTED METAL NORTH NOT APPLICABLE NATIONAL FIRE PROTECTION AGENCY NOT IN ARCHITECTURAL CONTRACT NOT IN CONTRACT NOMINAL NOT RATED / NON-RATED NOT TO SCALE ON CENTER OUTSIDE DIAMETER / OUTSIDE DIMENSION OVERHEAD OPENING OPPOSITE PAINT POWDER ACTUATED FASTENER PARTITION PERFORATED PERIMETER PERPENDICULAR PARKING PLATE / PLASTIC LAMINATE / PROPERTY LINE PLASTIC LAMINATE PLUMBING PLAN PLYWOOD PANEL PAIR PREFABRICATED PROJECT POUNDS PER SQUARE INCH POINT / PAINT PAINTED PARTITION POLYVINYL CHLORIDE POWER QUARRY TILE / QUART QUANTITY RADIUS / RIGHT RETURN AIR RESILIENT BASE / RUBBER BASE REFLECTED CEILING PLAN ROOF DRAIN RECEPTACLE REFER / REGARDING REFERENCE / REFRIGERATOR REFLECTED / REFLECTIVE / REFLECT REFRIGERATOR REINFORCED / REINFORCING REQUIRE(D) / REQUIREMENTS RESILIENT RETAINING REVISION / REVISE(D) ROOM ROUGH OPENING SANITARY SCHEDULE / SCHEDULED SECTION / VERTICAL SECTION SQUARE FEET SHEET SHOWER SIMILAR SPECIFICATION(S) SPEAKER SQUARE STAINLESS STEEL / SOLID SURFACE STONE SOUND TRANSMISSION COEFFICIENT STANDARD STEEL STORAGE STRUCTURAL SUSPENDED SYMMETRICAL SYSTEM TOP OF ... TELEPHONE / TELECOM TEMPERATURE THROUGH TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED VERIFY IN FIELD WITH WITHOUT WATER CLOSET WOOD

DRAWING ANNOTATION SYMBOLS AND CALLOUTS

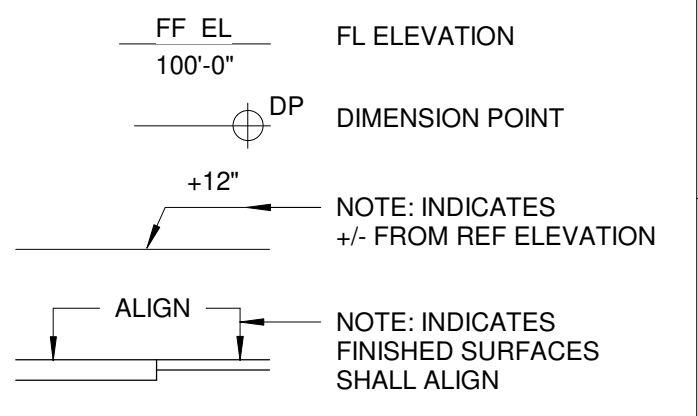
DRAWING TITLE:



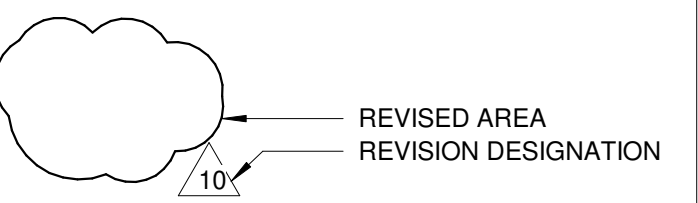
GRAPHIC SYMBOLS:



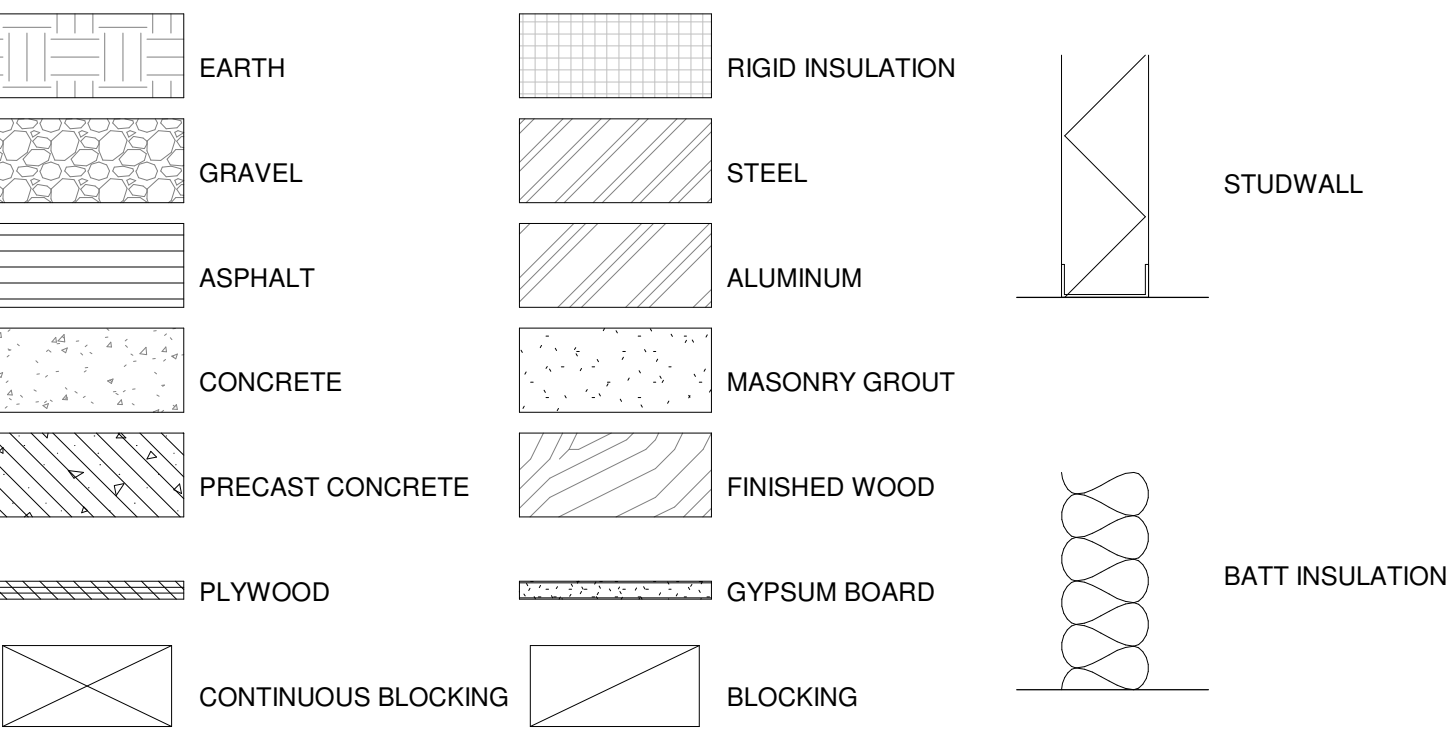
GRAPHIC ARROWS:



REVISION SYMBOLS:



MATERIAL CUT LEGEND:



PROJECT DESCRIPTION

THE PROJECT SCOPE OUTLINED IN THIS SET OF PLANS INCLUDES A MINOR MODIFICATION TO EXTERIOR ELEVATIONS AND TENANT INTERIOR REMODEL OF ALL THREE FLOORS (APPROXIMATELY 17,500 G.S.F.) IN AN EXISTING BUILDING AT 2305 MT WERNER CIRCLE, STEAMBOAT SPRINGS, CO. EXTERIOR SIGNAGE FOR BUILDING SHELL BE SUBMITTED SEPARATELY FOR PERMIT BY SIGNAGE VENDOR. SEE DRAWINGS FOR FULL SCOPE OF WORK FOR THE ENTIRE PROJECT.

GENERAL NOTES

GENERAL:

- THESE DOCUMENTS REPRESENT THE DESIGN INTENT FOR THE SUBJECT CONSTRUCTION AND ARE NOT INTENDED TO BE A COMPLETE SET OF INSTRUCTIONS ON HOW TO CONSTRUCT A BUILDING PROJECT.
- THESE DRAWINGS SHALL BE TAKEN AS A PART OF THE ENTIRE PROJECT DESIGN INFORMATION, AND SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS, REFERENCE DOCUMENTS, PERFORMANCE SPECIFICATIONS, AND ANY OWNER-SUPPLIED BUILDING PERFORMANCE CRITERIA TO CONVEY THE REQUIREMENTS OF THE DESIGN.
- ANYTHING MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR SHOWN IN THE DRAWINGS BUT NOT IN THE SPECIFICATIONS SHALL BE INTERPRETED AS BEING IN BOTH. ENLARGED SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS, PROJECT SPECIFICATIONS SHALL TAKE PRECEDENCE OVER DRAWING NOTES.
- DISCREPANCIES BETWEEN ANY CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL REVIEW AND DEMONSTRATE UNDERSTANDING OF THE DESIGN INTENT DEPICTED HERE THROUGH SUBMITTAL OF REQUESTED PROJECT COORDINATION DRAWINGS, SAMPLES, MATERIALS, PRODUCT DATA, MOCK-UPS, AND OTHER REQUESTED COMMUNICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND METHODS REQUIRED TO CONSTRUCT THE PROJECT IN COMPLIANCE WITH THE DESIGN INTENT.
- THE CONTRACTOR SHALL WORK WITHIN THE AREA BOUNDARIES INDICATED IN THE PROJECT DOCUMENTS, AND COMPLY WITH ALL APPLICABLE BUILDING CODE, REGULATION, & ORDINANCE REQUIREMENTS. PERFORM THE WORK AT THE PROJECT SITE DURING THE OWNER'S NORMAL BUSINESS HOURS, UNLESS OTHERWISE NOTED.
- OCCUPANTS ADJACENT TO THE PROJECT AREA BOUNDARIES SHALL CONTINUE UNINTERRUPTED OCCUPANCY DURING CONSTRUCTION OF THE PROJECT. COORDINATE ALL LOGISTICS WITH OWNER.
- VERIFY FIELD CONDITIONS FOR COORDINATION WITH THE PROJECT DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK. COORDINATE THE WORK WITH EQUIPMENT, FURNISHINGS, AND SYSTEMS PROVIDED BY THE OWNER.
- OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS, OR THE INCORRECT DESCRIPTION OF DETAILS OF WORK THAT ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR THAT ARE INDUSTRY STANDARD APPLICATIONS AND CUSTOMARILY PERFORMED SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MISDESCRIBED DETAILS OF THE WORK.
- THE CONTRACTOR SHALL IN ALL CASES APPLY CONSTRUCTION INDUSTRY BEST PRACTICES TO ALL CONSTRUCTION ACTIVITIES PERFORMED UNDER THEIR AUTHORITY.
- THESE NOTES SHALL NOT BE CONSTRUED AS ALTERING ANY REQUIREMENT OF THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AND ARE PROVIDED HERE TO HELP CLARIFY THE ROLE, PURPOSE, AND IMPORTANCE OF THE DOCUMENTS PROVIDED.
- REFER TO CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL INFORMATION AND A FULL DESCRIPTION OF THE WORK.
- CONTROLS, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATION BY OCCUPANTS, INCLUDING SWITCHES THAT CONTROL LIGHTING AND VENTILATION AND ELECTRICAL OUTLETS IN ACCESSIBLE SPACES, AND ALONE ACCESSIBLE ROUTES SHALL BE ACCESSIBLE COMPLYING WITH SECTION 308, ICC/ANSI A117.1-1998.
- AUTOMATIC FIRE SPRINKLER SYSTEM PLANS SHALL BE SUBMITTED BY CONTRACTOR TO DETERMINE COMPLIANCE WITH APPLICABLE BUILDING, PLUMBING AND FIRE CODES. DRAWINGS SHALL BE SUBMITTED TO THE FIRE DEPARTMENT FOR REVIEW AND APPROVAL. SPRINKLER SYSTEM TO BE DESIGNED AROUND MECHANICAL DUCTS TO ALLOW FOR REQUIRED CLEARANCES.

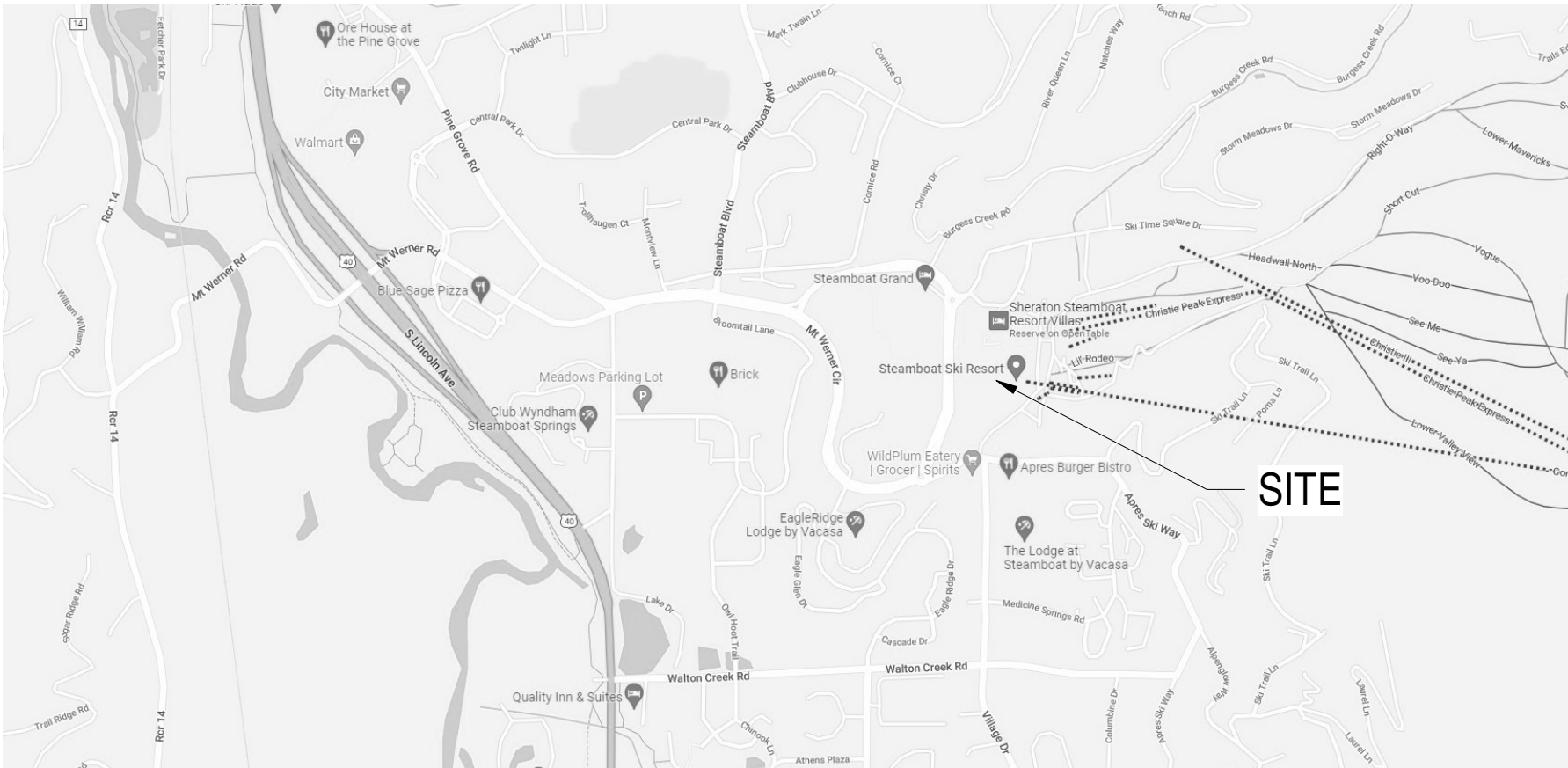
DEFINITIONS:

- "TYPICAL" OR "TYP" INDICATES IDENTICAL COMPLETE SYSTEM SHALL BE PROVIDED FOR ALL OCCURRENCES OF THE CONDITION NOTED.
- "SIMILAR" INDICATES COMPLETE SYSTEM AND COMPONENTS SHALL BE PROVIDED COMPARABLE TO THE CHARACTERISTICS OF THE DESIGN INTENT FOR THE CONDITION NOTED.
- "AS REQUIRED" INDICATES COMPONENTS REQUIRED TO COMPLETE THE NOTED SYSTEM AS INDICATED IN THE PROJECT DOCUMENTS SHALL BE PROVIDED.
- "ALIGN" INDICATES ACCURATELY PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION TO ADJACENT MATERIALS.

DIMENSIONS:

- DIMENSIONS SHOWN ON THE DRAWINGS SHALL INDICATE THE INTENDED SIZE, CLEARANCE, AND DIMENSIONAL RELATIONSHIP BETWEEN PROJECT SYSTEMS AND COMPONENTS.
- DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.
- NOTIFY THE ARCHITECT OF ANY DIMENSIONAL DISCREPANCY PRIOR TO PROCEEDING WITH THE WORK.
- DIMENSIONS ARE TO FACE OF STUD, CONCRETE, OR CMU UNO.
- VERIFY ALL OPENINGS THROUGH FLOORS, ROOF, AND WALLS WITH PLUMBING, MECHANICAL, AND ELECTRICAL SUB-CONTRACTORS. VERIFICATION OF LOCATIONS & SIZES, RATINGS ARE GENERAL CONTRACTORS COMPLETE RESPONSIBILITY.
- VERTICAL MASONRY DIMENSIONS ARE TO TOP OF MASONRY COURSE - WIDTHS AND OPENING DIMENSIONS ARE NOMINAL MODULAR I.E. WIDTHS OF MASONRY ELEMENTS ARE 3/8" LESS THAN INDICATED AND WIDTHS OF MASONRY OPENINGS ARE 3/8" MORE THAN INDICATED - OVERALL BUILDING WIDTH TO BE STRETCHED 3/8" TO MATCH INDICATED DIMENSIONS.
- CEILING HEIGHTS ARE INDICATED FROM THE FLOOR ELEVATION TO THE FACE OF SUSPENDED CEILING SYSTEM OR FACE OF FINISH MATERIAL AS SCHEDULED.
- DIMENSIONS INDICATING "CLEAR WIDTH" SHALL BE FROM FINISH FACE TO FINISH FACE.
- TYPICAL DIMENSIONS FROM DOOR OPENING TO PERPENDICULAR WALL IS 4" DIMENSION TO PATCH PLAN INDICATION.
- MOVEMENT OF THE SLAB ON GRADE MAY CAUSE DAMAGE TO ANYTHING CONNECTED TO BOTH THE SLAB AND OTHER PORTIONS OF THE SUPERSTRUCTURE - ISOLATION DETAILS FOR PARTITIONS, WALLS, BASEBOARDS, & OTHER ITEMS MAY BE REQUIRED - REFER TO APPROPRIATE DRAWINGS OR CONSULT WITH THE RESPONSIBLE MEMBER OF THE DESIGN TEAM PRIOR TO MAKING SUCH CONNECTIONS.
- ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT, TRUE & PLUMB. THE PRIORITY FOR PROJECT DIMENSIONS SHALL BE IN THE FOLLOWING ORDER:
  - MIN DIMENSION FOR BARRIER FREE ACCESSIBILITY CLEARANCE & BUILDING CODE REQ
  - LARGE SCALE DETAILS
  - SMALL SCALE DETAILS
  - ENLARGED VIEWS
  - FLOOR PLANS AND ELEVATIONS

VICINITY MAP

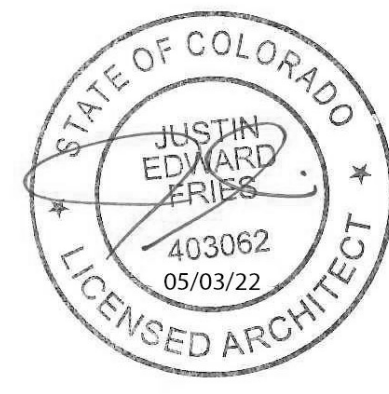


STUDIO DH  
architecture

CHRISTY SPORTS -  
GONDOLA SQ. BLDG. D

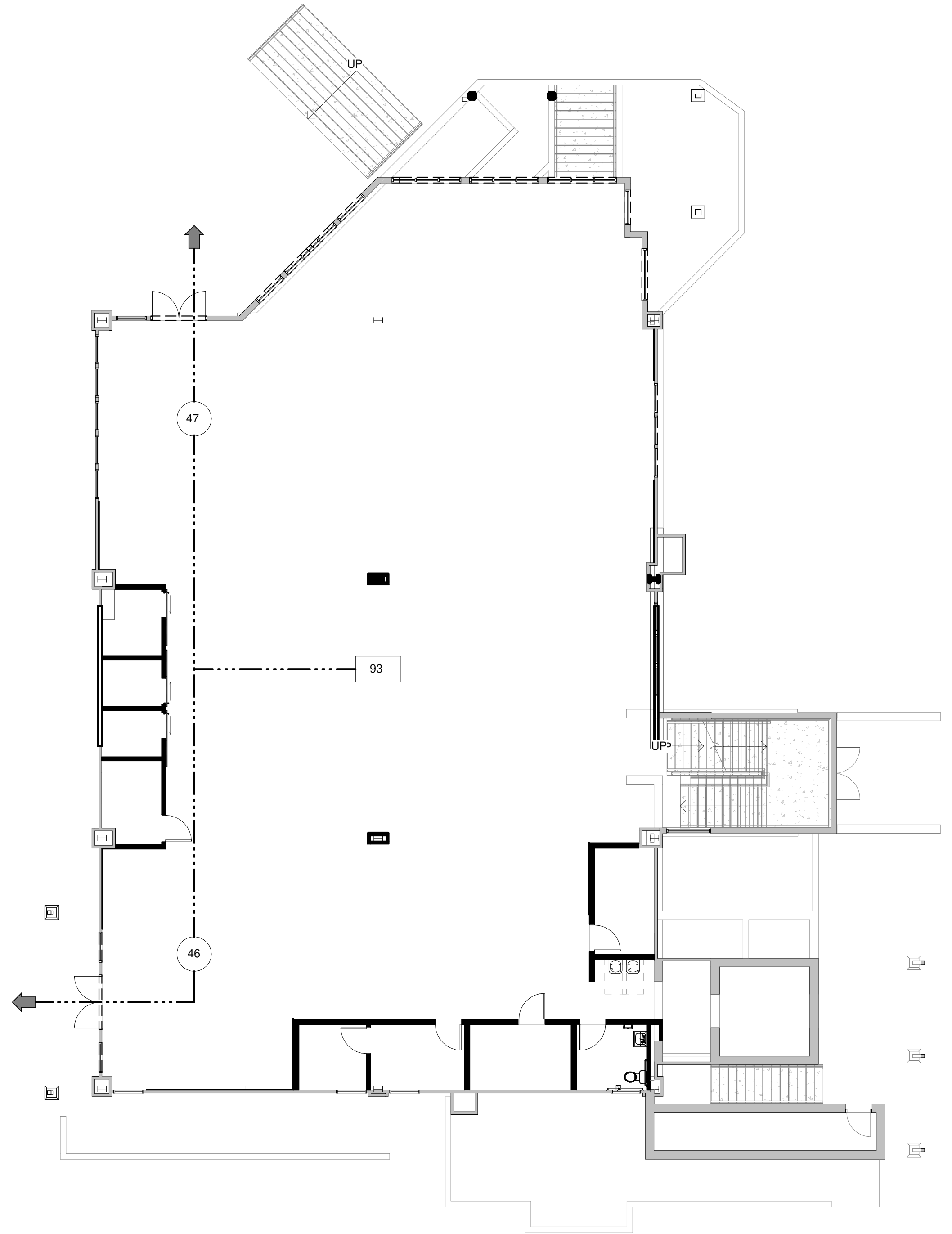
2305 MT. WERNER CIRCLE  
STEAMBOAT SPRINGS, CO 80487

PROFESSIONAL SFAI :



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REV.#	DATE	ISSUED FOR	JOB NUMBER:	DRAWN BY:	APPROVED BY:	DATE:	Original drawing is 24" x 36"   Scale entities accordingly if reduced	SHEET TITLE:	SHEET:
			21066	XXX	JF	05/24/2022		GENERAL INFORMATION	G1.2



1 MAIN LEVEL CODE ANALYSIS PLAN  
1" = 10'-0"

## IECC CODE COMPLIANCE (2018)

BUILDING ENVELOPE SUMMARY		
CLIMATE ZONE	7	
COMPLIANCE METHOD	PERSCRIPTIVE	
	REQUIRED	PROVIDED
OPAQUE		
ROOFS - INSULATION ENTIRELY ABOVE ROOF DECK	R-35ci	R-35ci
WALLS, ABOVE GRADE - METAL	R-13 + R-7.5ci	R-19 + R-7.5ci
VERTICAL FENESTRATION		
FIXED FENESTRATION, U-FACTOR	0.29	0.29
OPERABLE FENESTRATION, U-FACTOR	0.37	0.37
ENTRANCE DOORS, U-FACTORS	0.77	0.77
SHGC	0.45	0.39
THIS TABLE PROVIDES THE OVERALL SUMMARY OF BUILDING ENVELOPE TAKEOFFS THAT WOULD BE ENTERED INTO COMCHECK FOR COMPLIANCE		

APPLICABLE CODES:		CODE ANALYSIS SUMMARY	
2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2018 INTERNATIONAL PLUMBING CODE (IPC) 2018 ENERGY CONSERVATION CODE (IECC) 2018 INTERNATIONAL FIRE CODE (IFC) 2018 INTERNATIONAL FUEL GAS CODE (IFGC) 2009 ANSI 117.1 / ADAAG NFPA CODE 72		AUTHORITY HAVING JURISDICTION ROUTT COUNTY REGIONAL BUILDING DEPARTMENT 522 LINCOLN AVE, SUITE #30 STEAMBOAT SPRINGS, CO 80487 970.879.0108	
BUILDING DATA	2018 IBC	ALLOWABLE / REQUIRED	PROVIDED
EXTERIOR CLADDING UPDATES AND INTERIOR RENOVATION TO AN EXISTING 3-STORY, 15,000 SF RETAIL BUILDING TO PROVIDE UPDATED HVAC SYSTEMS, UPDATED ELECTRICAL SYSTEMS AND NEW INTERIOR FINISHES. EXTERIOR WORK TO INCLUDE NEW EXTERIOR FINISH MATERIALS, CANOPIES (2), AND REVISION TO A PORTION OF THE ROOFLINE.			
	2018 IBC	ALLOWABLE / REQUIRED	PROVIDED
OCCUPANCY CLASSIFICATION	CHAPTER 3		M (MERCANTILE - 309)
CONSTRUCTION TYPE	TABLE 601		III-B
AUTOMATIC FIRE SUPPRESSION SYSTEM	SECTION 903		PROVIDED
BUILDING HEIGHT - FEET	TABLE 504.3		
BUILDING HEIGHT (FT) - ALLOWABLE		55'-0"	
SPRINKLER INCREASE		20'-0"	
OTHER MODIFICATIONS		N/A	
TOTAL BUILDING HEIGHT		75'-0"	37'-0" (ABOVE GRADE PLANE)
BUILDING HEIGHT - STORIES	TABLE 504.4		
STORIES - ALLOWABLE		2 STORIES	
SPRINKLER INCREASE		1 STORY	
OTHER MODIFICATIONS		N/A	
TOTAL STORIES		3 STORIES	2 STORIES
BUILDING AREA - ALLOWABLE	SECTION 506		
BUILDING AREA PER STORY (Ai)	TABLE 506.2	37,500 SF (SM)	
FRONTAGE INCREASE (If)	N/A		
OTHER MODIFICATIONS		0	
TOTAL ALLOWABLE BUILDING AREA PER STORY		37,500 SF	
BUILDING AREA - PROVIDED:			
BASEMENT - LEVEL 00		4,515 SF	
MAIN LEVEL - LEVEL 01		6,555 SF	
UPPER LEVEL - LEVEL 02		5,270 SF	
TOTAL AREA PROVIDED		16,340 SF	
FIRE RESISTANCE RATINGS	2018 IBC	ALLOWABLE / REQUIRED	PROVIDED
STRUCTURAL FRAME	TABLE 601	0 HR	0 HR
BEARING WALLS			
EXTERIOR	TABLE 601	2 HR	2 HR (UL U301 2HR)
INTERIOR	TABLE 601	0 HR	0 HR
NON-BEARING WALLS AND PARTITIONS			
EXTERIOR	TABLE 602	0 HR	0 HR
INTERIOR	TABLE 601	0 HR	0 HR
FLOOR CONSTRUCTION	TABLE 601	0 HR	0 HR
ROOF CONSTRUCTION	TABLE 601	0 HR	0 HR
EXTERIOR WALL FRR (TABLE 602)			
FIRE SEPARATION DISTANCE - EXT. WALL	SECTION 602		
10 < X < 30	TABLE 602	0 HR	0 HR
FIRE RETARDANT TREATED WOOD (602.3)	FR TREATED WOOD FRAMING AND SHEATHING ALLOWED IN EXTERIOR WALL ASSEMBLIES (2-HR OR LESS)		
EXTERIOR WALL OPENINGS			
UNPROTECTED	TABLE 705.8	UNLIMITED	N/A
PROTECTED	TABLE 705.8	UNLIMITED	138 SF / 305 SF = 45.3%
FIRE WALLS	SECTION 706	N/A	
FIRE BARRIERS	SECTION 707	N/A	
FIRE PARTITIONS	SECTION 708	N/A	
SMOKE BARRIERS	SECTION 709	N/A	
SMOKE PARTITIONS	SECTION 710	N/A	
SHAFT ENCLOSURES	SECTION 713		
STAIRWAY ENCLOSURES		1HR	EXISTING
ELEVATOR ENCLOSURES		1HR	EXISTING
MECHANICAL SHAFTS	UNRATED	N/A	N/A
OPENING PROTECTIVES	SECTION 716		
FIRE DOORS	TABLE 716.5	1HR	1HR
FIRE WINDOWS	TABLE 716.5	N/A	
CORRIDOR FIRE RESISTIVE RATINGS	TABLE 1020.1	0HR	0HR
EXIT PASSAGeways	SECTION 1024	N/A	
HORIZONTAL EXITS	SECTION 1026	N/A	
CONCEALED INSULATION, VAPOR BARRIERS, ETC.	SECTION 720.2		
FLAME SPREAD	SECTION 720.2	25 MAX.	RE: SPECIFICATIONS
SMOKE DEVELOPED	SECTION 720.2	450 MAX.	RE: SPECIFICATIONS
MEANS OF EGRESS	2015 IBC	ALLOWABLE / REQUIRED	PROVIDED
OCCUPANT LOAD	SECTION 1004		248 OCCUPANTS
EGRESS WIDTH	SECTION 1005		
WIDTH PER OCCUPANT	SECTION 1005		
STAIRS	SECTION 1005.3.1	0.3 IN / OCC	93 OCCS (MAIN LEVEL) X .3 = 27.9 (MINIMUM 44")
OTHER	SECTION 1005.3.2	0.2 IN / OCC	248 X .2 = 49.6 (MIN. 44") / PROVIDED = 96"
SPACES WITH ONE EXIT	TABLE 1006.2.1		
MAXIMUM COMMON PATH OF TRAVEL	TABLE 1006.2.1	100' (SPRINKLED)	30'
MINIMUM NUMBER OF EXITS PER STORY	TABLE 1006.3.1	1 - 500 = 2	2
MINIMUM DISTANCE BETWEEN EXITS	SECTION 1007	119'-6" / 2	59'-8" / PROVIDED 80'-3"
ACCESSIBLE MEANS OF EGRESS	SECTION 1009		
ELEVATOR	SECTION 1009.2.1	EXISTING	
STAIRWAY WIDTH	SECTION 1009.3	44 IN., EXC. '2'	44"
AREA OF REFUGE	SECTION 1009.6	NONE, EXC. '5'	
DOORS - SIZE OF DOOR	SECTION 1010	32 IN. MIN.	32 IN. MIN. - RE: DOOR SCHEDULE
STAIRWAYS	SECTION 1011		
WIDTH	SECTION 1011	44 IN. MIN.	RE: 1009.3 FOR ACCESSIBLE STAIRWAYS
MAXIMUM EXIT ACCESS TRAVEL DISTANCE	TABLE 1017.2	250 FT.	220 FT.
MINIMUM CORRIDOR WIDTH	TABLE 1020.2	44 IN.	44 IN.
MAXIMUM DEAD END	SECTION 1020.4	20 FT.	0 FT.
PLUMBING FIXTURES BY OCCUPANCY - TABLE 2902.1 (SEE NOTES 3 & 4 BELOW)			
248 TOTAL OCCUPANTS	WATER CLOSETS		LAVATORIES
124 MEN	MEN (1/500)	WOMEN (1/500)	MEN (1/750)
124 WOMEN	REQ. PROV.	REQ. PROV.	REQ. PROV.
	1 1	1 1	1 1
			DRINKING FOUNT. (1/1000)
			REQ. PROV.
			1 2
			SERVICE SINK
			REQ. PROV.
			1 1
ACCESSIBILITY			
1. HANDICAP SIGNS ARE REQUIRED AT EXIT STAIR DOORS, EXIT DISCHARGE DOORS, AND DOORS INTO BATHROOMS AS PER 2015 IBC SECTION 1111.			
NFPA			
1. G.C. TO VERIFY FIRE EXTINGUISHER LAYOUT WITH REGULATORY AGENCY BEFORE PROVIDING FIRE EXTINGUISHERS & CABINETS. 2. FIRE ALARM SYSTEM NOT REQUIRED PER NFPA.			

### CODE PLAN SYMBOLS LEGEND

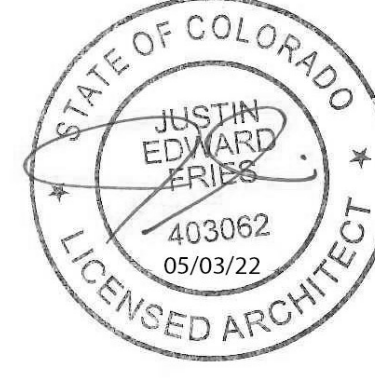
- DIRECTION OF EXIT ACCESS TRAVEL
- PRIMARY FIRE DEPARTMENT ACCESS
- FIRE EXTINGUISHER AND CABINET
- LONGEST PATH OF TRAVEL
- HANDICAP ACCESSIBLE FIXTURE / EQUIPMENT
- FIRE DEPARTMENT ACCESS BOX - 'KNOX' OR SIM

STUDIO DTH  
architecture

CHRISTY SPORTS -  
GONDOLA SQ. BLDG. D

2305 MT. WERNER CIRCLE  
STEAMBOAT SPRINGS, CO 80487

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REV. #	ISSUED FOR	DATE	PERMIT DRAWINGS	PLAN REVIEW RESPONSE
1		05/09/22		
		05/20/22		

JOB NUMBER: 21066

DRAWN BY: XXX

APPROVED BY: JF

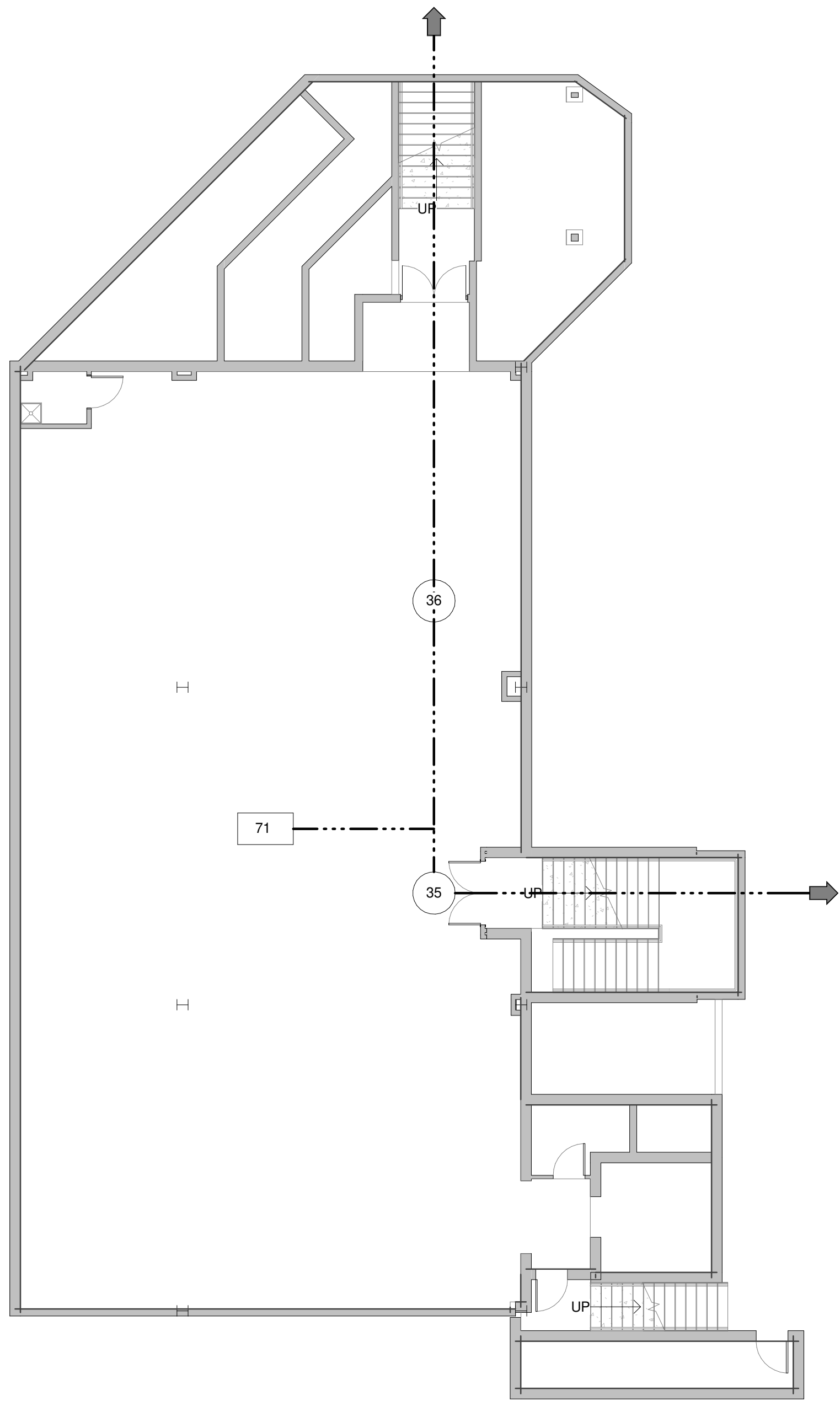
DATE: 05/24/2022

Original drawing is 24" x 36" | Scale entities  
accordingly if reduced

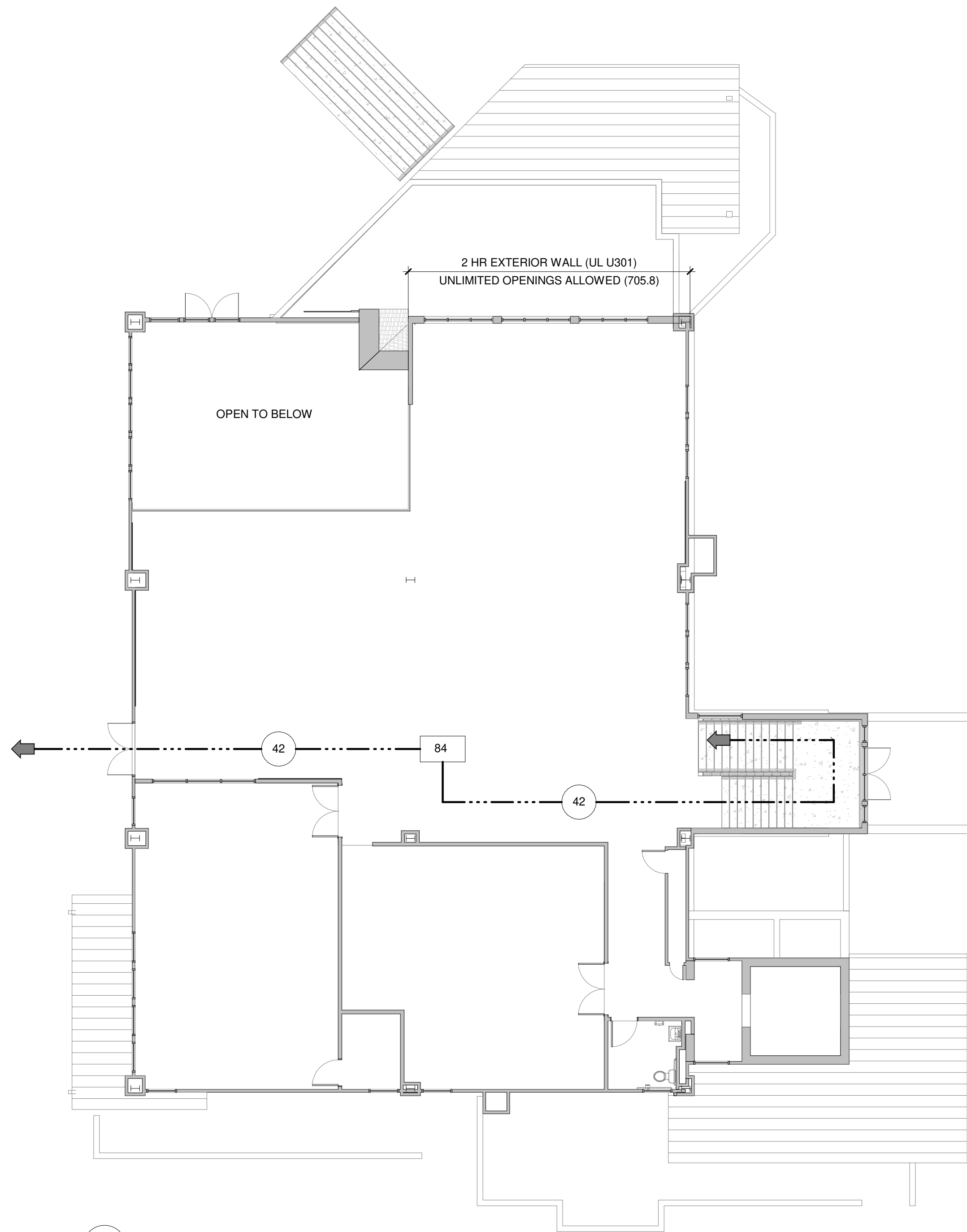
SHEET TITLE:  
CODE PLAN &  
SUMMARY

SHEET:

G1.3

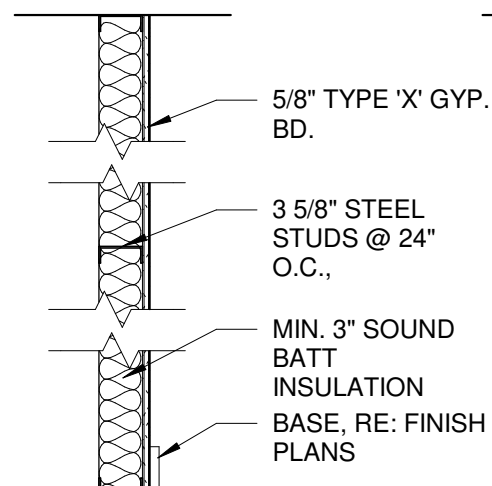


1 BASEMENT CODE PLAN  
1" = 10'-0"



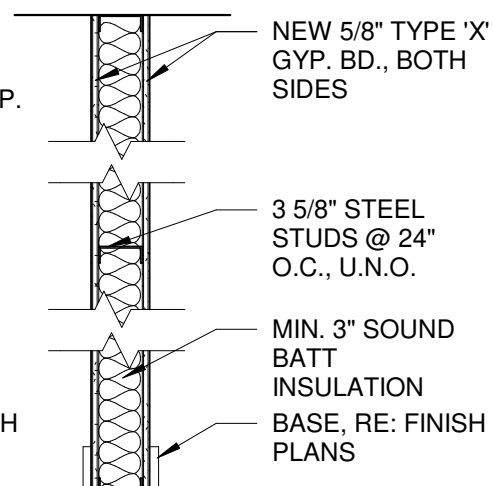
2 LEVEL 02 CODE PLAN  
1" = 10'-0"

PARTITION TYPES



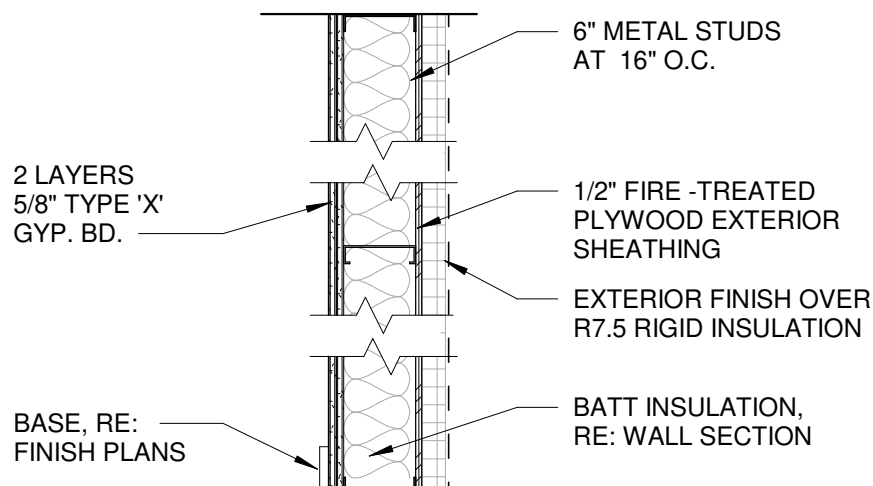
TYPE W1

3 5/8" STEEL STUD  
FURRING



TYPE W2

3 5/8" STEEL STUD  
PARTITION - (TYP.  
INTERIOR WALL)



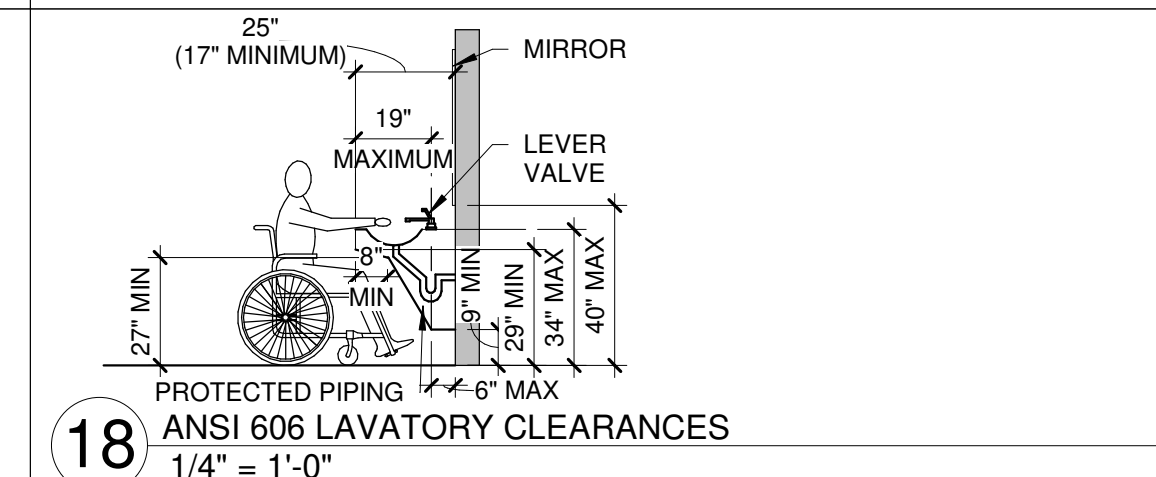
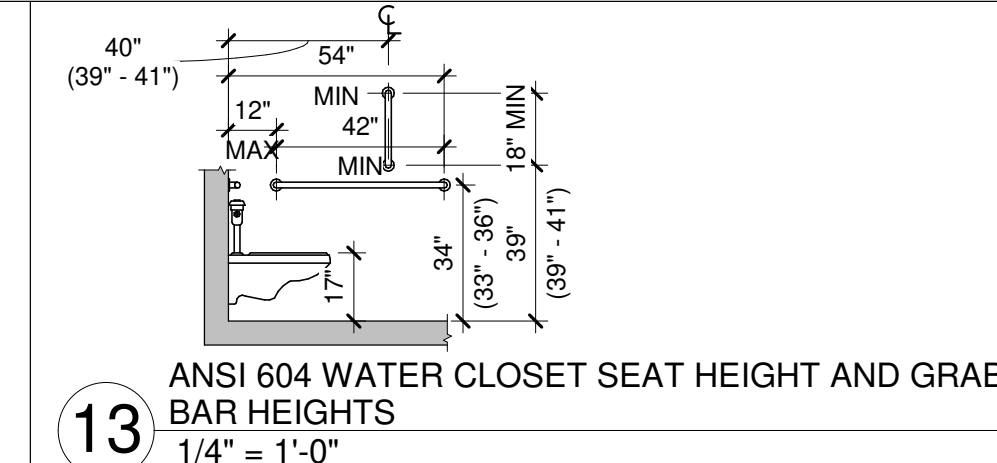
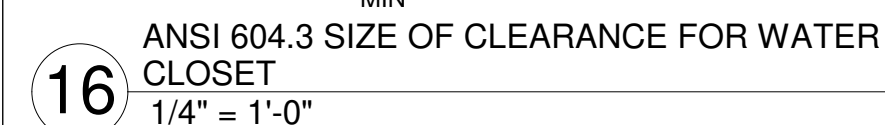
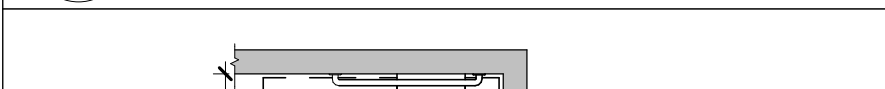
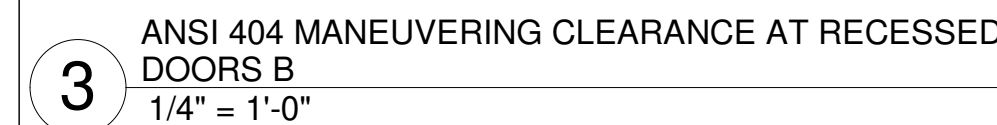
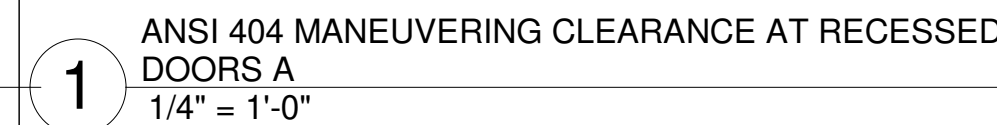
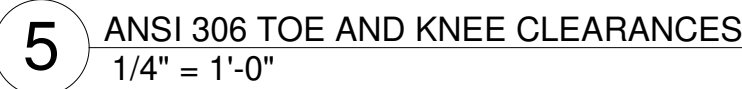
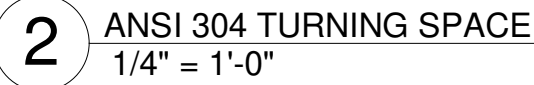
TYPE E1

2-HR EXTERIOR WALL (UL U301)  
METAL STUD EXTERIOR WALL  
(RATING FROM INTERIOR SIDE ONLY S705.5)



REV. #	ISSUED FOR	DATE	JOB NUMBER:	DRAWN BY:	APPROVED BY:	DATE:	SHEET TITLE:
			21066	Author	JF	05/24/2022	CODE PLANS
Original drawing is 24" x 36"   Scale entities accordingly if reduced							





GENERAL CONDITIONS

SECTION 014200 - REFERENCES	
PART 1 - GENERAL	
1.1 INDUSTRY STANDARDS	
A. APPLICABILITY OF STANDARDS: UNLESS THE CONTRACT DOCUMENTS INCLUDE MORE STRINGENT REQUIREMENTS, APPLICABLE CONSTRUCTION INDUSTRY STANDARDS HAVE THE SAME FORCE AND EFFECT AS IF BOUND OR COPIED DIRECTLY INTO THE CONTRACT DOCUMENTS TO THE EXTENT REFERENCED. SUCH STANDARDS ARE MADE A PART OF THE CONTRACT DOCUMENTS BY REFERENCE. PUBLICATION DATES: COMPLY WITH STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS UNLESS OTHERWISE INDICATED.	
B. COPIES OF STANDARDS: EACH ENTITY ENGAGED IN CONSTRUCTION ON PROJECT SHOULD BE FAMILIAR WITH INDUSTRY STANDARDS APPLICABLE TO ITS CONSTRUCTION ACTIVITY. COPIES OF APPLICABLE STANDARDS ARE NOT BOUND WITH THE CONTRACT DOCUMENTS.	
1. WHERE COPIES OF STANDARDS ARE NEEDED TO PERFORM A REQUIRED CONSTRUCTION ACTIVITY, OBTAIN COPIES DIRECTLY FROM PUBLICATION SOURCE.	
1.2 ABBREVIATIONS AND ACRONYMS	
A. INDUSTRY ORGANIZATIONS: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.	
ACI	AMERICAN CONCRETE INSTITUTE
AHA	AMERICAN HARDBOARD ASSOCIATION
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	APA - THE ENGINEERED WOOD ASSOCIATION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASTM	ASTM INTERNATIONAL (AMERICAN SOCIETY FOR TESTING AND MATERIALS INTERNATIONAL)
AWI	ARCHITECTURAL WOODWORK INSTITUTE
AWPA	AMERICAN WOOD PROTECTION ASSOCIATION (FORMERLY: AMERICAN WOOD PRESERVERS' ASSOCIATION)
CRI	CARPET AND RUG INSTITUTE (THE)
CRRC	COOL ROOF RATING COUNCIL
CSA	CANADIAN STANDARDS ASSOCIATION
CSA	CSA INTERNATIONAL (FORMERLY: IAS - INTERNATIONAL APPROVAL SERVICES)
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE (THE)
ETL SEMCO	INTERTEK ETL SEMCO (FORMERLY: ITS - INTERTEK TESTING SERVICE NA)
FM GLOBAL	FM GLOBAL (FORMERLY: FMG - FM GLOBAL)
FSC	FOREST STEWARDSHIP COUNCIL
HPVA	HARDWOOD PLYWOOD & VENEER ASSOCIATION
ISO	INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ITS	INTERTEK TESTING SERVICE NA (NOW ETL SEMCO)
MFMA	MAPLE FLOORING MANUFACTURERS ASSOCIATION, INC.
MPI	MASTER PAINTERS INSTITUTE
NFPA	NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
NOFMA	NOFMA: THE WOOD FLOORING MANUFACTURERS ASSOCIATION (FORMERLY: NATIONAL OAK FLOORING MANUFACTURERS ASSOCIATION)
OPL	INTERTAK
SDI	STEEL DOOR INSTITUTE
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
UL	UNDERWRITERS LABORATORIES INC.
USCBC	U.S. GREEN BUILDING COUNCIL
WCLIB	WEST COAST LUMBER INSPECTION BUREAU
B. CODE AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.	
DIN	DEUTSCHES INSTITUT FÜR NORMUNG E.V.
ICC	INTERNATIONAL CODE COUNCIL
ICC-ES	ICC EVALUATION SERVICE, INC.
C. FEDERAL GOVERNMENT AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.	
EPA	ENVIRONMENTAL PROTECTION AGENCY
D. STANDARDS AND REGULATIONS: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE STANDARDS AND REGULATIONS IN THE FOLLOWING LIST.	
ADAAG	AMERICANS WITH DISABILITIES ACT (ADA)
	ARCHITECTURAL BARRIERS ACT (ABA)
	ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES AVAILABLE FROM U.S. ACCESS BOARD
CFR	CODE OF FEDERAL REGULATIONS
	AVAILABLE FROM GOVERNMENT PRINTING OFFICE
E. STATE GOVERNMENT AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.	
CDHS	CALIFORNIA DEPARTMENT OF HEALTH SERVICES
CDPH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, INDOOR AIR QUALITY SECTION

END OF SECTION 014200

GENERAL CONDITIONS

SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL	
1.1 SUMMARY	
A. SALVAGING NON-HAZARDOUS DEMOLITION AND CONSTRUCTION WASTE.	
B. RECYCLING NON-HAZARDOUS DEMOLITION AND CONSTRUCTION WASTE.	
C. DISPOSING OF NON-HAZARDOUS DEMOLITION AND CONSTRUCTION WASTE.	
1.2 DEFINITIONS	
A. CONSTRUCTION WASTE: BUILDING AND SITE IMPROVEMENT MATERIALS AND OTHER SOLID WASTE RESULTING FROM CONSTRUCTION, REMODELING, RENOVATION, OR REPAIR OPERATIONS. CONSTRUCTION WASTE INCLUDES PACKAGING.	
B. DEMOLITION WASTE: BUILDING AND SITE IMPROVEMENT MATERIALS RESULTING FROM DEMOLITION OR SELECTIVE DEMOLITION OPERATIONS.	
C. DISPOSAL: REMOVAL OFF-SITE OF DEMOLITION AND CONSTRUCTION WASTE AND SUBSEQUENT SALE, RECYCLING, REUSE, OR DEPOSIT IN LANDFILL OR INCINERATOR ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.	
D. RECYCLE: RECOVERY OF DEMOLITION OR CONSTRUCTION WASTE FOR SUBSEQUENT PROCESSING IN PREPARATION FOR REUSE.	
E. SALVAGE: RECOVERY OF DEMOLITION OR CONSTRUCTION WASTE AND SUBSEQUENT SALE OR REUSE IN ANOTHER FACILITY.	
F. SALVAGE AND REUSE: RECOVERY OF DEMOLITION OR CONSTRUCTION WASTE AND SUBSEQUENT INCORPORATION INTO THE WORK.	
1.3 ACTION SUBMITTALS	
A. WASTE MANAGEMENT PLAN: SUBMIT PLAN WITHIN 7 DAYS OF DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK.	
1. TYPES AND QUANTITIES OF DEMOLITION AND CONSTRUCTION WASTE.	
2. TYPE OF WASTE AND WHETHER IT WILL BE SALVAGED, RECYCLED, OR DISPOSED OF IN LANDFILL OR INCINERATOR.	
3. NET ADDITIONAL COST OR NET SAVINGS RESULTING FROM WASTE MANAGEMENT PLAN.	
1.4 INFORMATION SUBMITTALS	
A. WASTE REDUCTION PROGRESS REPORTS: CONCURRENT WITH EACH APPLICATION FOR COMMENCEMENT OF THE WORK.	
1. TYPES AND QUANTITIES OF DEMOLITION AND CONSTRUCTION WASTE.	
2. TYPE OF WASTE AND WHETHER IT WILL BE SALVAGED, RECYCLED, OR DISPOSED OF IN LANDFILL OR INCINERATOR.	
B. WASTE DISPOSAL RECORDS: INDICATE RECEIPT AND ACCEPTANCE OF WASTE MATERIAL BY ACCEPTING AND PROCESSING FACILITIES LICENSED TO ACCEPT THEM. INCLUDE MANIFESTS, TYPE OF MATERIAL, WEIGHT OR VOLUME TICKETS, RECEIPTS AND INVOICES.	
C. LEED SUBMITTAL: CWM REPORTING TEMPLATE, TABULATING TOTAL WASTE MATERIAL, QUANTITIES DIVERTED AND MEANS BY WHICH IT IS DIVERTED, AND STATEMENT THAT REQUIREMENTS FOR THE CREDIT HAVE BEEN MET.	
1.5 RECYCLING WASTE	
A. RECYCLING INCENTIVES: REVENUES AND OTHER INCENTIVES FOR RECYCLING WILL ACCRUE TO OWNER.	
END OF SECTION 017419	
EXISTING CONDITIONS	
SECTION 024119 - SELECTIVE DEMOLITION	
1.1 SUMMARY	
A. DEMOLITION AND REMOVAL OF PORTIONS OF A BUILDING OR STRUCTURE AND SELECTED SITE ELEMENTS.	
B. HISTORIC ITEMS REMOVED AND SALVAGED FOR OWNER.	
1.2 SUBMITTALS	
A. SCHEDULE OF SELECTIVE DEMOLITION ACTIVITIES: INDICATE THE FOLLOWING:	
1. DETAILED SEQUENCE OF SELECTIVE DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY. ENSURE OWNER'S BUILDING MANAGERS AND OTHER TENANTS' ON-SITE OPERATIONS ARE UNINTERRUPTED.	
2. INTERRUPTION OF UTILITY SERVICES. INDICATE HOW LONG UTILITY SERVICES WILL BE INTERRUPTED.	
3. COORDINATION FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.	
4. USE OF ELEVATOR AND STAIRS.	
5. COORDINATION OF OWNER'S CONTINUING OCCUPANCY OF PORTIONS OF EXISTING BUILDING AND OF OWNER'S PARTIAL OCCUPANCY OF COMPLETED WORK.	
1.3 PROJECT CONDITIONS	
A. OWNER WILL <b>NOT</b> OCCUPY PORTIONS OF BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREA.	
B. HAZARDOUS MATERIALS: UNKNOWN WHETHER HAZARDOUS MATERIALS WILL BE ENCOUNTERED. IF ENCOUNTERED, OWNER WILL REMOVE HAZARDOUS MATERIALS UNDER A SEPARATE CONTRACT.	
1.4 EXECUTION	
A. UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS:	
1. MAINTAIN SERVICES/SYSTEMS INDICATED TO REMAIN AND PROTECT FROM DAMAGE.	
2. IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF BUILDING.	
3. SHUT OFF: BY <b>CONTRACTOR</b> .	
B. SITE ACCESS AND TEMPORARY CONTROLS: MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.	
C. TEMPORARY FACILITIES: PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.	
D. TEMPORARY SHORING: PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.	
E. REMOVED AND SALVAGED ITEMS: CLEANED, CRATED, STORED, AND TRANSPORTED TO OWNER'S <b>OFF</b> -SITE STORAGE AREA.	
F. REMOVED AND REINSTALLED ITEMS: CLEANED, REPAIRED, CRATED, STORED, AND REINSTALLED.	
G. EXISTING ITEMS TO REMAIN: EXISTING CONSTRUCTION PROTECTED AGAINST DAMAGE.	
H. DISPOSAL OF DEMOLISHED ITEMS:	
1. BURNING: NOT PERMITTED.	
2. DISPOSAL: COMPLY WITH REQUIREMENTS SECTION 017419 "CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL".	
END OF SECTION 024119	

MASONRY

SECTION 047300 - MANUFACTURED MASONRY VENEER	
PART 1 - GENERAL	
1.1 SUMMARY	
A. Section Includes: Portland cement based manufactured stone veneer and trim.	
1.2 REFERENCES	
A. American National Standards Institute (ANSI):	
1. ANSI A118.4 Specifications for Latex-Portland Cement Mortar.	
B. American Society for Testing and Materials (ASTM):	
1. <b>ASTM C 67</b> - Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile	
2. <b>ASTM C 144</b> - Standard Specification for Aggregate for Masonry Mortar.	
3. <b>ASTM C 270</b> - Standard Specification for Mortar for Unit Masonry.	
4. <b>ASTM C 847</b> - Standard Specification for Metal Lath.	
5. <b>ASTM C 932</b> - Standard Specification for Surface-Applied Bonding Compounds for Exterior Plastering.	
6. <b>ASTM C1063</b> -Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster	
7. <b>ASTM C578</b> - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation	
8. <b>ASTM C1289</b> - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	
C. Underwriter's Laboratory (UL): Building Materials Directory.	
1.3 SUBMITTALS	
A. Reference Section 01 33 00-Submittal Procedures; submit following items:	
1. Product Data.	
2. Samples:	
a. Standard sample board consisting of small-scale pieces of veneer units showing full range of textures and colors.	
b. Full range of mortar colors.	
3. Quality Assurance/Control Submittals:	
a. Qualifications:	
1) Proof of manufacturer qualifications.	
2) Proof of installer qualifications.	
b. Regulatory Requirements: Evaluation reports.	
B. Field Sample:	
1. Prepare 4 by 4 foot sample at a location on the structure as selected by the Architect. Use approved selection sample materials and colors.	
2. Obtain Architect's approval.	
3. Protect and retain sample as a basis for approval of completed manufactured stone work. Approved sample may be incorporated into completed work.	
1.4 PROJECT/SITE CONDITIONS	
A. Environmental Requirements: When air temperature is 40 degrees F (4.5 degrees C) or below, consult local building code for Cold-Weather Construction requirements.	
1.5 WARRANTY	
A. Special Warranty: Manufacturer's standard warranty coverage against defects in materials when installed in accordance with manufacturer's installation instructions.	
PART 2 - PRODUCTS	
2.1 MANUFACTURER	
A. Robinson Rock / General shale: Basis of Design	
B. Eldorado Stone,	
C. Sunset Stone	
D. Coronado Stone Products	
2.2 MATERIALS	
A. <b>Stone Veneer:</b>	
1. Profile: Match Existing. Include matching corner pieces.	
2. Stone Accents: Split Edge Sill, Split Edge Wall Caps	
a. Color: Match Existing	
B. Veneer Unit properties: Precast veneer units consisting of portland cement, lightweight aggregates, and mineral oxide pigments.	
1. Compressive Strength: ASTM C 192 and ASTM C 39, 5 sample average: greater than 1,800 psi (12.4MPa).	
2. Shear Bond: ASTM C 482: 50 psi (345kPa), minimum.	
3. Freeze-Thaw Test: ASTM C 67: Less than 3 percent weight loss and no disintegration.	
4. Thermal Resistance: ASTM C 177: 0.473 at 1.387 inches thick	
5. Weight per square foot: 2012 IBC and 2012 IRC, ASTM C1670, 15 pounds, saturated.	
PART 3 - EXECUTION	
3.1 EXAMINATION	
A. Examine substrates upon which work will be installed.	
B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.	
C. Commencement of work by installer is acceptance of substrate.	
3.2 PREPARATION	
A. Protection: Protect adjacent work from contact with mortar.	
B. Surface Preparation: Prepare substrate in accordance with manufacturer's installation instructions for the type of substrate being covered.	
3.3 INSTALLATION	
A. Install and clean stone in accordance with manufacturer's installation instructions for Standard Installation (Grouted Joint) or Jointless/Dry-Stacked installation as specified above.	
B. Apply repellent in accordance with repellent manufacturer's application instructions.	
3.4 CLEANING	
A. Remove protective coverings from adjacent work.	
B. Cleaning Veneer Units:	
1. Wash with soft bristle brush and water/granulated detergent solution	
2. Rinse immediately with clean water	
C. Removing Efflorescence:	
1. Allow veneer to dry thoroughly	
2. Scrub with soft bristle brush and clean water	
3. Rinse immediately with clean water; allow to dry	
4. If efflorescence is still visible, contact ES Customer Service for assistance	
END OF SECTION 047300	
METALS	
SECTION 055000 - METAL FABRICATIONS	
1.1 SUMMARY	
A. STEEL FRAMING AND SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT.	
B. STEEL FRAMING AND SUPPORTS FOR APPLICATIONS WHERE FRAMING AND SUPPORTS ARE NOT SPECIFIED IN OTHER SECTIONS.	
C. SHELF ANGLES.	
D. METAL BOLLARDS.	
1.2 SUBMITTALS	
A. PRODUCT DATA: FOR THE FOLLOWING:	
1. PAINT PRODUCTS.	
2. GROUT.	
3. ALL PREFABRICATED PRODUCTS.	
B. SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS FOR METAL FABRICATIONS.	
1. INCLUDE PLANS, ELEVATIONS, SECTIONS, AND DETAILS OF METAL FABRICATIONS AND THEIR CONNECTIONS. SHOW ANCHORAGE AND ACCESSORY ITEMS.	
2. PROVIDE TEMPLATES FOR ANCHORS AND BOLTS SPECIFIED FOR INSTALLATION UNDER OTHER SECTIONS.	
C. WELDING CERTIFICATES.	
1.3 PRODUCTS	
A. MATERIALS: STEEL PLATES, SHAPES, AND BARS, STEEL PIPE, SLOTTED CHANNEL FRAMING.	
1. LOW EMITTING PRIMER: METAL PRIMER SHALL HAVE A VOC CONTENT OF 200 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).	
B. MISCELLANEOUS FRAMING AND SUPPORTS:	
1. STEEL FRAMING AND SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT, APPLICATIONS WHERE FRAMING AND SUPPORTS ARE NOT SPECIFIED IN OTHER SECTIONS.	
2. GALVANIZE WHERE INDICATED.	
3. PRIME WITH ZINC-RICH PRIMER WHERE INDICATED.	
a. ZINC-RICH PRIMER SHALL HAVE A VOC CONTENT OF 340 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).	
C. LOOSE STEEL LINTELS, GALVANIZED AT EXTERIOR WALLS.	
D. SHELF ANGLES, GALVANIZED.	
E. STEEL WELD PLATES AND ANGLES NOT SPECIFIED IN OTHER SECTIONS, FOR CASTING INTO CONCRETE.	
F. METAL BOLLARDS: SCHEDULE 40 STEEL PIPE.	
END OF SECTION 055000	

WOODS AND PLASTICS

SECTION 061000 - ROUGH CARPENTRY	
1.1 MATERIALS	
A. WOOD-PRESERVATIVE-TREATED LUMBER:	
1. PRESERVATIVE TREATMENT: AWPA U1; USE CATEGORY UC2, BUT USE CATEGORY UC3B FOR EXTERIOR CONSTRUCTION AND USE CATEGORY UC4A FOR ITEMS IN CONTACT WITH THE GROUND.	
a. PRESERVATIVE CHEMICALS: CONTAINING NO ARSENIC OR CHROMIUM. DO NOT USE INORGANIC BORON (SBX) FOR SILL PLATES.	
2. APPLICATION: ITEMS INDICATED AND AS FOLLOWS:	
a. ITEMS IN CONTACT WITH ROOFING OR WATERPROOFING.	
b. ITEMS IN CONTACT WITH CONCRETE OR MASONRY.	
c. FRAMING LESS THAN 18 INCHES (460 MM) ABOVE GROUND IN CRAWLSPACES.	
d. FLOOR PLATES INSTALLED OVER CONCRETE SLABS-ON-GRADE.	
B. DIMENSION LUMBER FRAMING:	
1. EXPOSED FRAMING: HAND-SELECTED FOR APPEARANCE AND FREEDOM FROM DECAY, HONEYCOMB, KNOT-HOLES, SHAKE, SPLITS, TORN GRAIN AND WANE.	
a. APPLICATION: EXPOSED EXTERIOR AND INTERIOR FRAMING INDICATED TO RECEIVE A STAINED OR NATURAL FINISH.	
b. SPECIES AND GRADE: AS INDICATED FOR LOAD-BEARING CONSTRUCTION.	
C. ENGINEERED WOOD PRODUCTS, GENERAL: PRODUCTS LOCATED WITHIN THE BUILDING WEATHERPROOFING SYSTEM SHALL CONTAIN NO ADDED UREA RMALDEHYDE.	
D. SHEAR WALL PANELS, GENERAL: PRODUCTS LOCATED WITHIN THE BUILDING WEATHERPROOFING SYSTEM SHALL CONTAIN NO ADDED UREA FORMALDEHYDE.	
E. FASTENERS: <b>HOT-DIP GALVANIZED</b> STEEL WHERE EXPOSED TO WEATHER, IN GROUND CONTACT, IN CONTACT WITH TREATED WOOD, OR IN AREA OF HIGH RELATIVE HUMIDITY.	
F. METAL FRAMING ANCHORS:	
1. HOT-DIP GALVANIZED STEEL FOR INTERIOR LOCATIONS.	
2. HOT-DIP, HEAVY-GALVANIZED STEEL FOR TREATED LUMBER AND WHERE INDICATED.	
3. STAINLESS STEEL FOR EXTERIOR AND WHERE INDICATED.	
G. MISCELLANEOUS MATERIALS:	
1. SILL-SEALER GASKETS: [GLASS-FIBER INSULATION] [NEOPRENE FOAM].	
2. ADHESIVES SHALL HAVE A VOC CONTENT OF 70 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).	
END OF SECTION 061000	
WOODS AND PLASTICS	
SECTION 061053 - MISCELLANEOUS ROUGH CARPENTRY	
1.1 MATERIALS	
A. WOOD-PRESERVATIVE-TREATED MATERIALS:	
1. PRESERVATIVE TREATMENT: AWPA U1; USE CATEGORY UC2.	
a. PRESERVATIVE CHEMICALS: CONTAINING NO ARSENIC OR CHROMIUM. DO NOT USE INORGANIC BORON (SBX) FOR SILL PLATES.	
2. APPLICATION: ITEMS INDICATED AND THE FOLLOWING:	
a. ITEMS IN CONTACT WITH ROOFING OR WATERPROOFING.	
b. ITEMS IN CONTACT WITH CONCRETE OR MASONRY.	
c. FRAMING LESS THAN 18 INCHES (460 MM) ABOVE GROUND IN CRAWLSPACES.	
d. FLOOR PLATES INSTALLED OVER CONCRETE SLABS-ON-GRADE.	
B. FIRE-RETARDANT-TREATED MATERIALS:	
1. EXTERIOR TYPE FOR EXTERIOR LOCATIONS AND WHERE INDICATED.	
2. INTERIOR TYPE A UNLESS OTHERWISE INDICATED.	
3. APPLICATION: ITEMS INDICATED AND THE FOLLOWING:	
a. FRAMING FOR RAISED PLATFORMS.	
b. CONCEALED BLOCKING.	
c. ROOF FRAMING AND BLOCKING.	
d. ITEMS IN CONTACT WITH ROOFING.	
e. PLYWOOD BACKING PANELS.	
C. FRAMING:	
1. NON-LOAD-BEARING INTERIOR PARTITIONS: CONSTRUCTION OR NO. 2 GRADE.	
D. MISCELLANEOUS LUMBER:	
1. DIMENSION LUMBER: CONSTRUCTION OR NO. 2 GRADE.	
2. UTILITY SHELVING: 19 PERCENT MAXIMUM MOISTURE CONTENT.	
3. CONCEALED BOARDS: 19 PERCENT MAXIMUM MOISTURE CONTENT.	
E. PLYWOOD BACKING PANELS: EXPOSURE 1, C-D PLUGGED.	
F. FASTENERS: HOT-DIP GALVANIZED STEEL WHERE EXPOSED TO WEATHER, IN GROUND CONTACT, IN CONTACT WITH TREATED WOOD, OR IN AREA OF HIGH RELATIVE HUMIDITY.	
G. METAL FRAMING ANCHORS:	
1. METAL: GALVANIZED STEEL; HOT-DIP HEAVY GALVANIZED STEEL FOR WOOD-PRESERVATIVE-TREATED LUMBER AND WHERE INDICATED.	
H. ADHESIVES: ADHESIVES SHALL HAVE A VOC CONTENT OF 70 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).	
1.2 INSTALLATION	
A. FURRING TO RECEIVE PLYWOOD OR HARDBOARD PANELING: 1-BY-3-INCH NOMINAL-SIZE (19-BY-63-MM ACTUAL-SIZE) FURRING AT 24 INCHES (610 MM) O.C.	
B. FURRING TO RECEIVE GYPSUM BOARD: 1-BY-2-INCH NOMINAL-SIZE (19-BY-38-MM ACTUAL-SIZE) FURRING AT 16 INCHES (406 MM) O.C.	
END OF SECTION 061053	



WOODS AND PLASTICS

SECTION 064000 - INTERIOR ARCHITECTURAL WOODWORK	
1.1 SUMMARY	A. INTERIOR STANDING AND RUNNING TRIM. B. FLUSH WOOD PANELING AND WAINSCOTS. C. MELAMINE CABINETS. D. SOLID-SURFACING-MATERIAL COUNTERTOPS. E. CLOSET AND UTILITY SHELVING.
1.2 QUALITY ASSURANCE	A. QUALITY STANDARD: AWI.
1.3 MATERIALS	A. WOOD PRODUCTS: COMPLY WITH THE FOLLOWING: 1. HARDBOARD: AHA A135.4, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE. 2. MEDIUM-DENSITY FIBERBOARD: ANSI A208.2, GRADE 130, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE. 3. MOISTURE RESISTANT MEDIUM-DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MR50, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE. 4. STRAW-BASED PARTICLEBOARD: ANSI A208.1, GRADE M-2, EXCEPT FOR DENSITY, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE. 5. SOFTWOOD PLYWOOD: DOC PS 1 6. VENEER-FACED PANEL PRODUCTS (HARDWOOD PLYWOOD): HPVA HP-1, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE. B. ADHESIVES, GENERAL: DO NOT USE ADHESIVES THAT CONTAIN UREA FORMALDEHYDE. C. VOC LIMITS FOR INSTALLATION ADHESIVES AND GLUES: USE INSTALLATION ADHESIVES THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24): 1. WOOD GLUES: 30 G/L 2. PANEL ADHESIVE: 50 G/L 3. MULTIPURPOSE CONSTRUCTION ADHESIVE: 70 G/L a. CONTACT ADHESIVE: 80 G/L a. SPECIAL PURPOSE: 250 G/L D. CLOSET AND UTILITY SHELVING: 1. GRADE: ECONOMY. 2. SHELF MATERIAL: 3/4-INCH(19-MM) THERMOSET DECORATIVE PANEL WITH PVC OR POLYESTER EDGE BANDING. 3. CLEATS: 3/4-INCH(19-MM) PANEL PRODUCT. E. SHOP FINISHING: 1. GRADE: SAME GRADE AS WOODWORK. 2. EXTENT: ALL WOODWORK SHOP FINISHED.
1.4 INSTALLATION	A. SCRIBE AND CUT MILLWORK TO FIT ADJOINING WORK, REFINISH CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS. B. ANCHOR MILLWORK TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE FINE FINISHING NAILS OR FINISHING SCREWS FOR EXPOSED FASTENING, COUNTERSUNK AND FILLED FLUSH WITH MILLWORK AND MATCHING FINAL FINISH IF TRANSPARENT FINISH IS INDICATED. C. CABINETS: INSTALL WITHOUT DISTORTION SO DOORS AND DRAWERS FIT OPENINGS PROPERLY AND ARE ACCURATELY ALIGNED. ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNENCUMBERED OPERATION. COMPLETE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS AS INDICATED. 1. INSTALL CABINETS WITH NO MORE THAN 1/8 INCH IN 96-INCH(3 MM IN 2400-MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE. D. COUNTERTOPS: ANCHOR SECURELY BY SCREWING THROUGH CORNER BLOCKS OF BASE CABINETS OR OTHER SUPPORTS INTO UNDERSIDE OF COUNTERTOP. 1. ALIGN ADJACENT SOLID-SURFACING-MATERIAL COUNTERTOPS AND FORM SEAMS TO COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS USING ADHESIVE IN COLOR TO MATCH COUNTERTOP. CAREFULLY DRESS JOINTS SMOOTH, REMOVE SURFACE SCRATCHES, AND CLEAN ENTIRE SURFACE. 2. INSTALL COUNTERTOPS WITH NO MORE THAN 1/8 INCH IN 96-INCH (3 MM IN 2400-MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE. 3. SECURE COVED BACKSPASHES TO TOPS PER MANUFACTURERS FABRICATION MANUAL AND TO WALLS WITH ADHESIVE. 4. CALK SPACE BETWEEN BACKSPASH AND WALL WITH SEALANT SPECIFIED IN DIVISION 7 SECTION "JOINT SEALANTS."
END OF SECTION 064000	

WOODS AND PLASTICS

SECTION 064400 - PLASTIC PANELING	
PART 1 - GENERAL	
1.1 SUMMARY	A. SECTION INCLUDES THE FOLLOWING: 1. GLASS-FIBER REINFORCED PLASTIC (FRP) WALL PANELING. 2. MOLDING, ADHESIVES, AND JOINT SEALANTS.
1.2 PLASTIC SHEET PANELING	A. GLASS-FIBER-REINFORCED PLASTIC PANELING: GELCOAT-FINISHED, GLASS-FIBER REINFORCED PLASTIC PANELS COMPLYING WITH ASTM D 5319. 1. LOW-EMITTING MATERIALS: PANELING SHALL COMPLY WITH THE TESTING AND PRODUCT REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS." 2. NOMINAL THICKNESS: NOT LESS THAN 0.09 INCHES. 3. COLOR: WHITE, MIN. 70% LRV. 4. MOLDING COLOR: WHITE, MIN. 70% LRV. 5. SURFACE FINISH: MOLDED PEBBLE TEXTURE. B. UNREINFORCED POLYPROPYLENE PANELING: SOLID POLYPROPYLENE PANELS MADE FROM NO LESS THAN 80 PERCENT RECYCLED MATERIAL. 1. LOW-EMITTING MATERIALS: PANELING SHALL COMPLY WITH THE TESTING AND PRODUCT REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S (FORMERLY, THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES)' "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS." 2. NOMINAL THICKNESS: NOT LESS THAN 0.09 INCHES. 3. COLOR: WHITE, MIN. 70% LRV. 4. MOLDING COLOR: WHITE, WHITE, MIN. 70% LRV. 5. SURFACE FINISH: MOLDED PEBBLE TEXTURE.
1.3 ADHESIVES	A. AS RECOMMENDED BY PLASTIC PANELING MANUFACTURER. 1. VOC LIMIT: 50 G/L.
1.4 ACCESSORIES	A. TRIM ACCESSORIES: MANUFACTURER'S STANDARD ONE-PIECE VINYL EXTRUSIONS DESIGNED TO RETAIN AND COVER EDGES OF PANELS. PROVIDE DIVISION BARS, INSIDE CORNERS, OUTSIDE CORNERS, AND CAPS AS NEEDED TO CONCEAL EDGES. 1. COLOR: WHITE.
END OF SECTION 064400	

THERMAL AND MOISTURE PROTECTION

SECTION 072100 - BUILDING INSULATION	
1.1 SUMMARY	A. APPLICATIONS: 1. PERIMETER INSULATION UNDER SLABS-ON-GRADE. 2. PERIMETER WALL INSULATION (SUPPORTING BACKFILL). 3. CONCEALED BUILDING INSULATION. 4. VAPOR RETARDERS 5. SOUND ATTENUATION INSULATION.
1.2 PERFORMANCE REQUIREMENTS	A. PLENUM RATING: GLASS ROCK-WOOL-FIBER INSULATION RATED FOR RESISTANCE AGAINST EROSION AND MOLD GROWTH PER UL 181.
1.3 MATERIALS	A. INSULATION: 1. ALL INSULATION MATERIALS LOCATED WITHIN THE WATERPROOF MEMBRANE MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS, INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS. B. VAPOR RETARDERS: [POLYETHYLENE] [REINFORCED POLYETHYLENE] FOIL-POLYESTER FILM.
END OF SECTION 072100	

SECTION 072500 - WEATHER BARRIERS	
1.1 MATERIALS	A. [BUILDING PAPER: NO. 15 ASPHALT-SATURATED ORGANIC FELT, UNPERFORATED.] [BUILDING PAPER: WATER-VAPOR-PERMEABLE.] [BUILDING WRAP: WITH FLAME SPREAD AND SMOKE-DEVELOPED INDEXES OF LESS THAN 25 AND 450, RESPECTIVELY, WHEN TESTED ACCORDING TO ASTM E 84; UV STABILIZED; AND ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.] B. BUILDING-WRAP TAPE: PRESSURE-SENSITIVE PLASTIC TAPE RECOMMENDED BY BUILDING-WRAP MANUFACTURER FOR SEALING JOINTS AND PENETRATIONS IN BUILDING WRAP. C. FLEXIBLE FLASHING: [BUTYL RUBBER] [OR] [RUBBERIZED ASPHALT].
END OF SECTION 072500	

THERMAL AND MOISTURE PROTECTION

SECTION 074113.16 - STANDING-SEAM METAL ROOF PANELS	
PART 1 - GENERAL	
1.1 SUMMARY	A. Section includes standing-seam metal roof panels.
1.2 PREINSTALLATION MEETINGS	A. Preinstallation Conference: Conduct conference at Project Site
1.3 ACTION SUBMITTALS	A. Product Data: For each type of product. 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory. B. Shop Drawings: 1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details. 2. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than 3 inches per 12 inches. C. Calculations: 1. Include calculations with registered engineer seal, verifying roof panel and attachment method resist wind pressures imposed on it pursuant to applicable building codes. D. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below. 1. Metal Panels: 12 inches long by actual panel width. Include clips, fasteners, closures, and other metal panel accessories.
1.4 QUALITY ASSURANCE	A. Manufacturer Qualifications: Company specializing in architectural sheet metal products. B. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
PART 2 - PRODUCTS	
2.1 STANDING-SEAM METAL ROOF PANELS	A. General: Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation. 1. Steel Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1514. B. Vertical-Rib, Batten Seamed Joint. Standing-Seam Metal Roof Panels: Formed with vertical ribs at panel edges and a flat pan between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of the panels, aligning vertical ribs and snapping on batten seam cap. 1. Basis-of-Design Product: Subject to compliance with requirements, provide Berridge Manufacturing Company; Tee-Panel or comparable product by one of the following: 2. Metallic-Coated Steel Sheet: Aluminum-zinc alloy-coated steel sheet complying with ASTM A 792/A 792M, Class AZ50 coating designation; structural quality. Preprimed by the coil-coating process to comply with ASTM A 755/A 755M. a. Nominal Thickness:.029 inch b. Exterior Finish: Two-coat fluoropolymer c. Painted materials shall have a removable plastic film to protect the paint during roll forming, shipping and handling. d. Color: As selected by Architect from manufacturer's full range.
2.2 UNDERLAYMENT MATERIALS	A. Self-Adhering, High-Temperature Underlayment: Provide self-adhering, cold-applied, sheet underlayment, a minimum of 40 mils thick, consisting of slip-resistant, polyethylene-film top surface laminated to a layer of butyl or SBS-modified asphalt adhesive, with release-paper backing. Provide primer when recommended by underlayment manufacturer.
2.3 MISCELLANEOUS MATERIALS	A. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated. 1. Closures: Provide closures at eaves and ridges, fabricated of same metal as metal panels. 2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer. B. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal panels. C. Gutters: Formed from same material as roof panels, complete with end pieces, outlet tubes, and other special pieces as required. Fabricate in minimum 96-inch long sections, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Furnish gutter supports spaced a maximum of 36 inches o.c., fabricated from same metal as gutters. Provide wire ball strainers of compatible metal at outlets. Finish gutters to match roof fascia and rake trim. D. Downspouts: Formed from same material as roof panels. Fabricate in 10-foot long sections, complete with formed elbows and offsets, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Finish downspouts to match gutters.
PART 3 - EXECUTION	
3.1 PREPARATION	A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C 754 and metal panel manufacturer's written recommendations.
3.2 UNDERLAYMENT INSTALLATION	A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply at locations indicated on Drawings, wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches staggered 24 inches between courses. Overlap side edges not less than 36 inches. Roll laps with roller. Cover underlayment within 14 days or as directed by the underlayment product manufacturer.
3.3 METAL PANEL INSTALLATION	A. General: Install metal panels according to manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor metal panels and other components of the Work securely in place, with provisions for thermal and structural movement. B. Fasteners: 1. Steel Panels: Use stainless-steel fasteners for surfaces exposed to the exterior; use galvanized-steel fasteners for surfaces exposed to the interior. 2. Aluminum Panels: Use stainless-steel fasteners for surfaces exposed to the exterior; use stainless-steel fasteners for surfaces exposed to the interior. C. Standing-Seam Metal Roof Panel Installation: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners recommended in writing by manufacturer. 1. Install clips to supports with self-tapping fasteners. 2. Install pressure plates, if required, at locations indicated in manufacturer's written installation instructions. 3. Batten Seam Joint: Nest standing seams and fasten together by installing batten seam cap and completely engage factory-applied vinyl weatherseal. D. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components. 1. Install components required for a complete metal panel system including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, and similar items. Provide types indicated by metal roof panel manufacturers; or, if not indicated, types recommended by metal roof panel manufacturer. E. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant. 1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and achieve waterproof and weather-resistat performance. 2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
3.4 CLEANING AND PROTECTION	A. Remove temporary protective coverings and stripable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction. B. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.
END OF SECTION 074113.16	

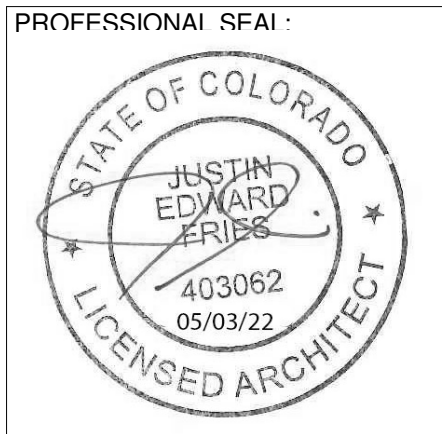
THERMAL AND MOISTURE PROTECTION

SECTION 074646.10 - FIBER CEMENT SIDING	
PART 1 - GENERAL	
1.1 SECTION INCLUDES	A. Fiber cement lap siding, panels, shingle, trim, fascia, moulding, and accessories;
1.2 REFERENCES	A. ASTM D3359 - Standard Test Method for Measuring Adhesion by Tape Test, Tool and Tape B. ASTM E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 degrees C.
1.3 SUBMITTALS	A. Product Data: Manufacturer's data sheets on each product to be used, including: 1. Preparation instructions and recommendations. 2. Storage and handling requirements and recommendations. 3. Installation methods. B. Shop Drawings: Provide detailed drawings of atypical non-standard applications of cementitious siding materials which are outside the scope of the standard details and specifications provided by the manufacturer. C. Verification Samples: For each finish product specified, two samples, minimum size 4 by 6 inches (100 by 150 mm), representing actual product, color, and patterns.
1.4 QUALITY ASSURANCE	C. Installer Qualifications: Minimum of 2 years experience with installation of similar products. A. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship. 1. Finish areas designated by Architect. 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
1.5 DELIVERY, STORAGE, AND HANDLING	A. Store products in manufacturer's unopened packaging until ready for installation. B. Store siding on edge or lay flat on a smooth level surface. Protect edges and corners from chipping. Store sheets under cover and keep dry prior to installing. C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
1.6 PROJECT CONDITIONS	A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
1.7 WARRANTY	A. Product Warranty: Limited, non-pro-rated product warranty. 1. Hardie Architectural Panels for 30 years. * Workmanship Warranty: Application limited warranty for 2 years.
PART 2 - PRODUCTS	
2.1 MANUFACTURERS	A. Acceptable Manufacturer: James Hardie Building Products, Inc., which is located at: 231 S. La Salle St. Suite 2000; Chicago, IL 60604; Toll Free Tel: 877-236-7526; Email: requestinfo.(info@jameshardie.com); Web: https://www.jameshardiepros.com   https://www.jameshardie.com B. Requests for approval of equal substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
2.2 TEXTURED PANELS AND TRIM	A. Hardie Architectural Panels as manufactured by James Hardie Building Products, Inc. A non-combustible fiber-cement panel. 1. Product Composition: Grade II, Type A, fiber-cement sheets as defined by ASTM C1186, manufactured by the Hatschek process and cured by high pressure steam autoclaving. 2. Intertek Product Listing. 3. Code Compliance: a. International Building Code (IBC): 1) Section 1404.10: 2009, 2012 and 2015. 2) Section 1403.10: 2018 and 2021. b. Wind Design: 1) Manufacturer's readily available design load and exposure category tables are derived from testing in accordance with ASTM E 330. 2) Wind speed design coefficient assumptions per Analytical Method in ASCE 7. 3) Wood Framing Specific Gravity: 0.42 or greater unless otherwise stated. 4) Wood Structural Sheathing Panel Specific Gravity of 0.50 or higher unless otherwise stated. a. J Trim: Aluminum extrusion to be used as a trim at abutments; soffits, masonry, windows, etc. b. Low-Profile Inside Corner Trim: Aluminum extrusion to be used for inside corners. c. Inside Corner Trim: Aluminum extrusion to be used for inside corners. d. Low-Profile Outside Corner Trim: Aluminum extrusion to be used for outside corners. e. HardieTrim Boards: Fiber cement trim for corners and windows. Can be mounted horizontally or vertically.
2.3 FINISHES	A. Factory Primer: Provide factory applied universal primer. 1. Primer: Factory primed by James Hardie. 2. Topcoat: Refer to Section 09 90 00 - Painting and Coating and Exterior Finish Schedule.
** EXECUTION	
2.4 EXAMINATION	A. Do not begin installation until substrates have been properly prepared. B. If framing preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
2.5 PREPARATION	A. Clean surfaces thoroughly prior to installation. B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. C. Install a water-resistive barrier is required in accordance with local building code requirements. D. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements.
2.6 INSTALLATION - HARDIE ARCHITECTURAL PANELS	A. Install materials in strict accordance with manufacturer's installation instructions. B. A water-resistive barrier (WRB) is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. James Hardie will assume no responsibility for water infiltration. James Hardie does manufacture HardieWrap Weather Barrier, a non-woven non-perforated housewrap, which complies with building code requirements. C. When installing horizontally, a WRB with min. 90 percent drainage efficiency shall be used. D. Adjacent finished grade must slope away from the building in accordance with local building codes - typically a minimum of 6 inches (152 mm), in the first 10 ft (3.048 mm). E. Do not use Hardie Architectural Panels in Fascia or Trim applications. F. Do not install that product remains in contact with standing water. G. Installed on flat vertical wall applications only. H. Minimum standard panel design size is 12 x 16 inches (305 x 406 mm). Panels may be notched and cut to size to fit between windows, doors, corners, etc.
2.7 FINISHING	A. Finish factory primed siding with a minimum of one coat of high quality 100 percent acrylic or latex or oil based exterior grade paint within 180 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.
2.8 PROTECTION	A. Touch-up, repair or replace damaged products before Substantial Completion.
END OF SECTION 074646.10	



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JOB NUMBER:		21066											
DRAWN BY:		Author											
APPROVED BY:		Approver											
DATE:		05/24/2022											
		Original drawing is 24" x 36"   Scale entties accordingly if reduced											
SHEET TITLE:		SPECIFICATIONS											

SHEET:  
G1.7

THERMAL AND MOISTURE PROTECTION

SECTION 075423 - THERMOPLASTIC POLYOLEFIN (TPO) ROOFING
1.1 SUMMARY <ul style="list-style-type: none"> <li>A. MECHANICALLY FASTENED MEMBRANE ROOFING SYSTEM.</li> <li>B. VAPOR RETARDER.</li> <li>C. ROOF INSULATION.</li> </ul>
1.2 SUBMITTALS <ul style="list-style-type: none"> <li>A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.</li> <li>B. SHOP DRAWINGS: FOR ROOFING SYSTEM. INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK. <ul style="list-style-type: none"> <li>1. BASE FLASHINGS AND MEMBRANE TERMINATIONS.</li> <li>2. TAPERED INSULATION, INCLUDING SLOPES.</li> <li>3. INSULATION FASTENING PATTERNS.</li> </ul> </li> <li>C. INSTALLER CERTIFICATES: SIGNED BY ROOFING SYSTEM MANUFACTURER CERTIFYING THAT INSTALLER IS APPROVED, AUTHORIZED, OR LICENSED BY MANUFACTURER TO INSTALL ROOFING SYSTEM.</li> <li>D. MANUFACTURER CERTIFICATES: SIGNED BY ROOFING MANUFACTURER CERTIFYING THAT ROOFING SYSTEM COMPLIES WITH REQUIREMENTS SPECIFIED IN "PERFORMANCE REQUIREMENTS" ARTICLE. <ul style="list-style-type: none"> <li>1. SUBMIT EVIDENCE OF MEETING PERFORMANCE REQUIREMENTS.</li> </ul> </li> <li>E. QUALIFICATION DATA: FOR INSTALLER AND MANUFACTURER.</li> <li>F. PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY MANUFACTURER AND WITNESSED BY A QUALIFIED TESTING AGENCY, FOR COMPONENTS OF ROOFING SYSTEM.</li> <li>G. WARRANTIES: SPECIAL WARRANTIES SPECIFIED IN THIS SECTION.</li> </ul>
1.3 PERFORMANCE REQUIREMENTS <ul style="list-style-type: none"> <li>A. ROOFING SYSTEM DESIGN: UPLIFT PRESSURES CALCULATED ACCORDING TO ASCE/SEI 7.</li> <li>B. SOLAR REFLECTANCE INDEX: NOT LESS THAN 78.</li> </ul>
1.4 EXTERIOR FIRE-TEST EXPOSURE: CLASS A.
1.5 MATERIALS <ul style="list-style-type: none"> <li>A. THERMOPLASTIC POLYOLEFIN ROOFING MEMBRANE: WHITE, FABRIC-REINFORCED THERMOPLASTIC SHEET, 60 MILS (1.5 MM) THICK.</li> <li>B. SHEET FLASHING: SAME AS TPO SHEET.</li> <li>C. ROOF INSULATION: PREFORMED ROOF INSULATION BOARDS MANUFACTURED OR APPROVED BY EPDM ROOFING MANUFACTURER. <ul style="list-style-type: none"> <li>1. TAPERED BOARDS: 1/4 INCH PER 12 INCHES(1.48).</li> </ul> </li> </ul>
1.6 INSTALLATION <ul style="list-style-type: none"> <li>A. ROOFING MEMBRANE: MECHANICALLY FASTENED. <ul style="list-style-type: none"> <li>1. ATTACHMENT METHOD FOR MECHANICALLY FASTENED: <b>[IN SPLICE]</b>.</li> </ul> </li> </ul>
1.7 FIELD QUALITY CONTROL <ul style="list-style-type: none"> <li>A. TESTING AGENCY: OWNER ENGAGED.</li> </ul>
END OF SECTION 075423

THERMAL AND MOISTURE PROTECTION

SECTION 076200 - SHEET METAL FLASHING AND TRIM
1.1 MATERIALS <ul style="list-style-type: none"> <li>A. SHEET METALS: <ul style="list-style-type: none"> <li>1. COPPER SHEET: MILL FINISH.</li> <li>2. STAINLESS-STEEL SHEET, TYPE 304: 4 (DIRECTIONAL SATIN) FINISH WITH SMOOTH, FLAT SURFACE.</li> <li>3. METALLIC-COATED STEEL SHEET: PROVIDE ZINC-COATED (GALVANIZED) STEEL SHEET ACCORDING TO ASTM A 653/A 653M, G90 (Z275) COATING DESIGNATION; PREPAINTED BY COIL-COATING PROCESS TO COMPLY WITH ASTM A 755/A 755M. <ul style="list-style-type: none"> <li>a. SURFACE: MANUFACTURER'S STANDARD CLEAR ACRYLIC COATING ON BOTH SIDES.</li> <li>b. COIL-COATED FINISH: TWO-COAT FLUOROPOLYMER.</li> </ul> </li> </ul> </li> <li>B. UNDERLAYMENT: FELTS.</li> </ul>
1.2 PRODUCTS <ul style="list-style-type: none"> <li>A. FORMED LOW-SLOPE ROOF FABRICATIONS: INCLUDING COPINGS, ROOF EXPANSION-JOINT COVERS, COUNTERFLASHING, FLASHING RECEIVERS, ROOF-PENETRATION FLASHING AND ROOF-DRAIN FLASHING.</li> <li>B. FORMED WALL FABRICATIONS: INCLUDING THROUGH-WALL FLASHING, OPENING FLASHINGS IN FRAME CONSTRUCTION, AND WALL EXPANSION-JOINT COVER.</li> <li>C. MISCELLANEOUS FORMED FABRICATIONS: INCLUDING EQUIPMENT SUPPORT FLASHING.</li> </ul>
END OF SECTION 076200

THERMAL AND MOISTURE PROTECTION

SECTION 077200 - ROOF ACCESSORIES
1.1 PRODUCTS <ul style="list-style-type: none"> <li>A. ROOF CURBS: INSULATED. <ul style="list-style-type: none"> <li>1. HEIGHT: MINIMUM 12 INCHES (300 MM) ABOVE ROOFING SURFACE UNLESS OTHERWISE INDICATED.</li> <li>2. NAILER: FACTORY-INSTALLED WOOD NAILER ALONG TOP FLANGE OF CURB, CONTINUOUS AROUND CURB PERIMETER.</li> </ul> </li> <li>B. EQUIPMENT SUPPORTS: RAIL TYPE. <ul style="list-style-type: none"> <li>1. HEIGHT: MINIMUM 12 INCHES (300 MM) ABOVE ROOFING SURFACE UNLESS OTHERWISE INDICATED.</li> </ul> </li> <li>C. DUCT SUPPORTS: EXTRUDED ALUMINUM, URETHANE INSULATED.</li> <li>D. PIPE PORTALS: FLASHING TYPE, FORMED ALUMINUM WITH EPDM CAPS.</li> <li>E. PREFORMED FLASHING SLEEVES: EXHAUST VENT FLASHING AND VENT STACK FLASHING FABRICATED FROM ALUMINUM SHEET.</li> </ul>
END OF SECTION 077200

THERMAL AND MOISTURE PROTECTION

SECTION 079200 - JOINT SEALANTS
1.1 MATERIALS <ul style="list-style-type: none"> <li>A. VOC CONTENT OF INTERIOR SEALANTS: PROVIDE INTERIOR SEALANTS AND SEALANT PRIMERS THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24): <ul style="list-style-type: none"> <li>1. SEALANTS: 250 G/L.</li> <li>2. SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L.</li> <li>3. SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L.</li> </ul> </li> <li>B. SUITABILITY FOR CONTACT WITH FOOD: WHERE SEALANTS ARE INDICATED FOR JOINTS THAT WILL COME IN REPEATED CONTACT WITH FOOD, PROVIDE PRODUCTS THAT COMPLY WITH 21 CFR 177.2600.</li> <li>C. ELASTOMERIC JOINT SEALANTS: LIQUID APPLIED, CHEMICALLY CURING; ASTM C 920. <ul style="list-style-type: none"> <li>1. MULTICOMPONENT NONSAG NEUTRAL-CURING SILICONE SEALANT ES-1.</li> <li>2. SINGLE-COMPONENT MILDEW-RESISTANT NEUTRAL-CURING SILICONE SEALANT ES-2.</li> <li>3. SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING SILICONE SEALANT ES-3.</li> <li>4. SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING RTV SILICONE SEALANT ES-4.</li> <li>5. MULTICOMPONENT NONSAG POLYUREA SEALANT ES-5.</li> <li>6. MULTICOMPONENT NONSAG POLYUREA FILLER ES-6.</li> </ul> </li> <li>D. LATEX SEALANT LS-1: COMPLY WITH ASTM C 834, TYPE P, GRADE NF.</li> <li>E. JOINT-SEALANT BACKING:</li> </ul>
1.2 JOINT-SEALANT SCHEDULE <ul style="list-style-type: none"> <li>A. JOINT-SEALANT APPLICATION JS-1: EXTERIOR HORIZONTAL NONTRAFFIC AND TRAFFIC ISOLATION AND CONTRACTION JOINTS IN CAST-IN-PLACE CONCRETE SLABS. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-5.</li> </ul> </li> <li>B. JOINT-SEALANT APPLICATION JS-2: EXTERIOR PERIMETER JOINTS BETWEEN WALL AND FRAMES OF DOORS AND WINDOWS. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-1.</li> </ul> </li> <li>C. JOINT-SEALANT APPLICATION JS-3: EXTERIOR CONTROL AND EXPANSION JOINTS IN HORIZONTAL TRAFFIC SURFACES OF BRICK PAVERS, CERAMIC TILE, STONE PAVING UNITS, CONCRETE TILE. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: MULTICOMPONENT POURABLE POLYSULFIDE SEALANT.</li> <li>2. JOINT-SEALANT COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.</li> </ul> </li> <li>D. JOINT-SEALANT APPLICATION JS-4: INTERIOR PERIMETER JOINTS OF EXTERIOR OPENINGS. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-3.</li> </ul> </li> <li>E. JOINT-SEALANT APPLICATION JS-5: INTERIOR CERAMIC TILE EXPANSION, CONTROL, CONTRACTION, AND ISOLATION JOINTS IN HORIZONTAL TRAFFIC SURFACES. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-3.</li> <li>2. JOINT-SEALANT COLOR: AS NOTED.</li> </ul> </li> <li>F. JOINT-SEALANT APPLICATION JS-6: INTERIOR JOINTS BETWEEN PLUMBING FIXTURES AND ADJOINING WALLS, FLOORS, AND COUNTERS. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-3.</li> <li>2. JOINT-SEALANT COLOR: TRANSLUCENT.</li> </ul> </li> <li>G. JOINT-SEALANT APPLICATION JS-7: VERTICAL JOINTS ON EXPOSED SURFACES OF INTERIOR PARTITIONS. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-3.</li> </ul> </li> <li>H. JOINT-SEALANT APPLICATION JS-8: PERIMETER JOINTS BETWEEN INTERIOR WALL SURFACES AND FRAMES OF INTERIOR DOORS, WINDOWS. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-3.</li> </ul> </li> <li>I. JOINT-SEALANT APPLICATION JS-9: HVAC JOINTS. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-2.</li> <li>2. JOINT-SEALANT COLOR: ALUMINUM.</li> </ul> </li> <li>J. JOINT-SEALANT APPLICATION JS-10: NON-POROUS MATERIAL TO NON-POROUS MATERIAL. <ul style="list-style-type: none"> <li>1. JOINT SEALANT: ES-4.</li> <li>2. JOINT-SEALANT COLOR: CLEAR.</li> </ul> </li> </ul>
END OF SECTION 079200

DOORS AND WINDOWS

SECTION 081130 - HOLLOW METAL DOORS AND FRAMES
1.1 SUMMARY <ul style="list-style-type: none"> <li>A. STANDARD HOLLOW METAL DOORS AND FRAMES.</li> </ul>
1.2 SUBMITTALS <ul style="list-style-type: none"> <li>A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, CORE DESCRIPTIONS, FIRE-RESISTANCE RATING, TEMPERATURE-RISE RATINGS, AND FINISHES.</li> <li>B. SHOP DRAWINGS: INCLUDE THE FOLLOWING: <ul style="list-style-type: none"> <li>1. ELEVATIONS OF EACH DOOR DESIGN.</li> <li>2. DETAILS OF DOORS, INCLUDING VERTICAL AND HORIZONTAL EDGE DETAILS AND METAL THICKNESSES.</li> <li>3. FRAME DETAILS FOR EACH FRAME TYPE, INCLUDING DIMENSIONED PROFILES AND METAL THICKNESSES.</li> <li>4. LOCATIONS OF REINFORCEMENT AND PREPARATIONS FOR HARDWARE.</li> <li>5. DETAILS OF EACH DIFFERENT WALL OPENING CONDITION.</li> <li>6. DETAILS OF ANCHORAGES, JOINTS, FIELD SPLICES, AND CONNECTIONS.</li> <li>7. DETAILS OF ACCESSORIES.</li> <li>8. DETAILS OF MOLDINGS, REMOVABLE STOPS, AND GLAZING.</li> <li>9. DETAILS OF CONDUIT AND PREPARATIONS FOR POWER, SIGNAL, AND CONTROL SYSTEMS.</li> </ul> </li> </ul>
1.3 INTERIOR FRAMES <ul style="list-style-type: none"> <li>A. STANDARD-DUTY FRAMES: SDI A250.8, LEVEL 1. AT LOCATIONS INDICATED IN THE DOOR AND FRAME SCHEDULE. <ul style="list-style-type: none"> <li>1. PHYSICAL PERFORMANCE: LEVEL C ACCORDING TO SDI A250.4.</li> </ul> </li> <li>2. FRAMES: <ul style="list-style-type: none"> <li>a. MATERIALS: UNCOATED, COLD-ROLLED STEEL SHEET, MINIMUM THICKNESS OF 0.042 INCH (1.0 MM).</li> <li>b. CONSTRUCTION: KNOCKED DOWN.</li> </ul> </li> </ul>
1.4 EXTERIOR HOLLOW-METAL DOORS AND FRAMES <ul style="list-style-type: none"> <li>A. HEAVY-DUTY DOORS AND FRAMES: SDI A250.8, LEVEL 2. AT LOCATIONS INDICATED IN THE DOOR AND FRAME SCHEDULE. <ul style="list-style-type: none"> <li>1. PHYSICAL PERFORMANCE: LEVEL B ACCORDING TO SDI A250.4, UL 752 LEVEL 2 BULLET RESISTANT.</li> </ul> </li> <li>2. DOORS: <ul style="list-style-type: none"> <li>a. TYPE: AS INDICATED IN THE DOOR AND FRAME SCHEDULE.</li> <li>b. THICKNESS: 1-3/4 INCHES (44.5 MM.)</li> <li>c. FACE: METALLIC-COATED STEEL SHEET, WITH MINIMUM A40 (ZF120) COATING.</li> <li>d. EDGE CONSTRUCTION: MODEL 1, FULL FLUSH.</li> <li>e. CORE: MANUFACTURER'S STANDARD KRAFT-PAPER HONEYCOMB, POLYSTYRENE, POLYURETHANE, POLYISOCYANURATE, MINERAL-BOARD, OR VERTICAL STEEL-STIFFENER CORE AT MANUFACTURER'S DISCRETION.</li> </ul> </li> <li>3. FRAMES: <ul style="list-style-type: none"> <li>a. MATERIALS: METALLIC-COATED STEEL SHEET, MINIMUM THICKNESS OF 0.053 INCH (1.3 MM), WITH MINIMUM A40 (ZF120) COATING.</li> </ul> </li> <li>B. FINISHES: <b>[FACTORY PRIMING FOR FIELD PAINTING]</b>.</li> </ul>
1.5 INSTALLATION <ul style="list-style-type: none"> <li>A. METAL STUD PARTITIONS AND CONCRETE WALLS: FRAMES FILLED WITH INSULATION.</li> <li>B. MASONRY WALLS: FRAMES FILLED WITH GROUT.</li> </ul>
END OF SECTION 081130

DOORS AND WINDOWS

SECTION 081416 - FLUSH WOOD DOORS
1.1 SUBMITTALS <ul style="list-style-type: none"> <li>A. PRODUCT DATA: FOR EACH TYPE OF DOOR INDICATED. INCLUDE DETAILS OF CORE AND EDGE CONSTRUCTION AND TRIM FOR OPENINGS.</li> <li>B. SHOP DRAWINGS: INDICATE LOCATION, SIZE, AND HAND OF EACH DOOR; ELEVATION OF EACH KIND OF DOOR; CONSTRUCTION DETAILS NOT COVERED IN PRODUCT DATA; LOCATION AND EXTENT OF HARDWARE BLOCKING; AND OTHER PERTINENT DATA. <ul style="list-style-type: none"> <li>1. INDICATE DIMENSIONS AND LOCATIONS OF MORTISES AND HOLES FOR HARDWARE.</li> <li>2. INDICATE DIMENSIONS AND LOCATIONS OF CUTOUTS.</li> <li>3. INDICATE REQUIREMENTS FOR VENEER MATCHING.</li> <li>4. INDICATE DOORS TO BE FACTORY FINISHED AND FINISH REQUIREMENTS.</li> <li>5. INDICATE FIRE-PROTECTION RATINGS FOR FIRE-RATED DOORS.</li> </ul> </li> <li>C. WARRANTY: SAMPLE OF SPECIAL WARRANTY.</li> </ul>
1.2 QUALITY ASSURANCE <ul style="list-style-type: none"> <li>A. QUALITY STANDARD: AWI. <ul style="list-style-type: none"> <li>1. AWI QUALITY CERTIFICATION LABELS OR AN AWI LETTER OF LICENSING FOR DOORS.</li> <li>2. WI-CERTIFIED COMPLIANCE CERTIFICATE FOR DOORS AND INSTALLATION.</li> </ul> </li> <li>B. FIRE-RATED WOOD DOORS: POSITIVE PRESSURE TESTING.</li> </ul>
1.3 DOOR CONSTRUCTION, GENERAL <ul style="list-style-type: none"> <li>A. LOW-EMITTING MATERIALS: MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO HAVE NO ADDED UREA FORMALDEHYDE.</li> <li>B. WDMA I.S.1-A PERFORMANCE GRADE: HEAVY DUTY UNLESS OTHERWISE INDICATED.</li> </ul>
1.4 VENEERED-FACED DOORS FOR TRANSPARENT FINISH <ul style="list-style-type: none"> <li>A. INTERIOR SOLID-CORE DOORS: <ul style="list-style-type: none"> <li>1. CORE: PARTICLEBOARD.</li> <li>2. CONSTRUCTION: FIVE OR SEVEN PLYS, BONDED.</li> </ul> </li> </ul>
1.5 PRIMING/FINISHING <ul style="list-style-type: none"> <li>A. SHOP PRIMING: <ul style="list-style-type: none"> <li>1. DOORS FOR OPAQUE FINISH: ONE COAT OF WOOD PRIMER.</li> <li>2. DOORS FOR TRANSPARENT FINISH: STAIN AND FIRST COAT OF FINISH.</li> </ul> </li> <li>B. FACTORY FINISHING: ALL DOORS.</li> </ul>
END OF SECTION 081416

DOORS AND WINDOWS

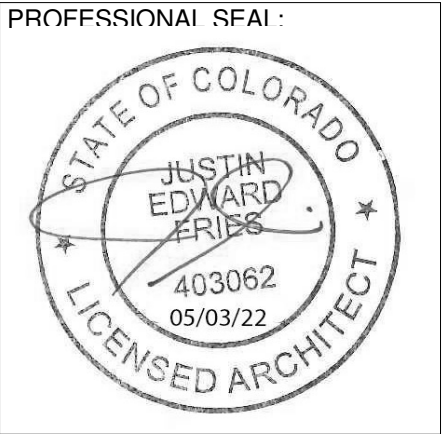
SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
1.1 PERFORMANCE REQUIREMENTS <ul style="list-style-type: none"> <li>A. DELEGATED DESIGN: CONTRACTOR TO DESIGN ALUMINUM-FRAMED SYSTEMS.</li> <li>B. DEFLECTION OF FRAMING MEMBERS: <ul style="list-style-type: none"> <li>1. DEFLECTION NORMAL TO WALL PLANE: LIMITED TO L/175.</li> <li>2. DEFLECTION PARALLEL TO GLAZING PLANE: LIMITED TO L/360 OR 1/8 INCH (3.2 MM), WHICHEVER IS SMALLER.</li> </ul> </li> <li>C. AIR INFILTRATION: <ul style="list-style-type: none"> <li>1. FIXED FRAMING AND GLASS AREA: MAXIMUM AIR LEAKAGE OF 0.06 CFM/SQ. FT. (0.30 L/S PER SQ. M) AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT. (75 PA).</li> <li>2. ENTRANCE DOORS: <ul style="list-style-type: none"> <li>a. PAIR OF DOORS: MAXIMUM AIR LEAKAGE OF 1.0 CFM/SQ. FT. (5.08 L/S PER SQ. M) AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT. (75 PA).</li> <li>b. SINGLE DOORS: MAXIMUM AIR LEAKAGE OF 0.5 CFM/SQ. FT. (2.54 L/S PER SQ. M) AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT. (75 PA).</li> </ul> </li> </ul> </li> </ul>
1.2 SUBMITTALS <ul style="list-style-type: none"> <li>A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.</li> <li>B. SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, SECTIONS, FULL-SIZE DETAILS, AND ATTACHMENTS TO OTHER WORK. <ul style="list-style-type: none"> <li>1. SHOW CONNECTION TO AND CONTINUITY WITH ADJACENT THERMAL, WEATHER, AIR, AND VAPOR BARRIERS.</li> </ul> </li> <li>C. SAMPLES: FOR EACH EXPOSED FINISH REQUIRED.</li> <li>D. ENERGY PERFORMANCE CERTIFICATES.</li> </ul>
1.3 MATERIALS <ul style="list-style-type: none"> <li>A. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER.</li> <li>B. STEEL REINFORCEMENT.</li> </ul>
1.4 SYSTEM COMPONENTS <ul style="list-style-type: none"> <li>A. FRAMING MEMBERS: <ul style="list-style-type: none"> <li>1. CONSTRUCTION: THERMALLY BROKEN.</li> <li>2. GLAZING SYSTEM: GASKETS ON FOUR SIDES.</li> <li>3. GLAZING PLANE: FRONT.</li> </ul> </li> <li>B. GLAZING: SECTION 088000 "GLAZING."</li> <li>C. ENTRANCE DOORS: <ul style="list-style-type: none"> <li>1. DOOR CONSTRUCTION: 1-3/4-INCH (44.5-MM) OVERALL THICKNESS.</li> <li>2. DOOR DESIGN: AS INDICATED.</li> </ul> </li> <li>D. ENTRANCE DOOR HARDWARE: AS SCHEDULED.</li> </ul>
1.5 PRODUCT <ul style="list-style-type: none"> <li>MFGR: KAWNEER</li> <li>PRODUCT: TRIFAB 451 T</li> <li>COLOR: DARK BRONZE</li> </ul>
END OF SECTION 084113

DOORS AND WINDOWS

SECTION 087100 - DOOR HARDWARE
1.1 SUMMARY <ul style="list-style-type: none"> <li>A. COMMERCIAL DOOR HARDWARE FOR SWINGING DOORS.</li> <li>B. OTHER DOORS TO THE EXTENT INDICATED.</li> <li>C. CYLINDERS FOR DOORS SPECIFIED IN OTHER SECTIONS.</li> </ul>
1.2 SUBMITTALS <ul style="list-style-type: none"> <li>A. PRODUCT DATA: INCLUDE CONSTRUCTION AND INSTALLATION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, AND FINISHES.</li> </ul>
1.3 WARRANTY <ul style="list-style-type: none"> <li>A. WARRANTY PERIOD: ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION, EXCEPT AS FOLLOWS: <ul style="list-style-type: none"> <li>1. MANUAL CLOSERS: 25 YEARS FROM DATE OF INVOICE.</li> <li>2. CYLINDRICAL LOCKSETS: TWO YEARS FROM DATE OF INVOICE.</li> <li>3. EXIT DEVICES: FIVE YEARS FROM DATE OF INVOICE.</li> </ul> </li> </ul>
1.4 MAINTENANCE SERVICE <ul style="list-style-type: none"> <li>A. FULL-MAINTENANCE SERVICE: SIX MONTHS.</li> </ul>
1.5 PRODUCTS <ul style="list-style-type: none"> <li>A. CYLINDERS AND KEYING: <ul style="list-style-type: none"> <li>1. CONSTRUCTION KEYING: CONSTRUCTION <b>[MASTER KEYS]</b>.</li> <li>2. KEYING SYSTEM: <ul style="list-style-type: none"> <li>a. GRAND MASTER KEY.</li> <li>b. LOOKS MASTER KEYED OR GRAND MASTER KEYED TO EXISTING SYSTEM.</li> <li>c. ALL CYLINDERS KEYED ALIKE.</li> <li>d. KEYS: NICKEL SILVER. <ul style="list-style-type: none"> <li>1) STAMPING: PERMANENTLY INSCRIBE EACH KEY WITH A LOCKNET KEY CONTROL NUMBER, STATE CODE, AND INCLUDE THE FOLLOWING NOTATION: <ul style="list-style-type: none"> <li>a) NOTATION: "DO NOT DUPLICATE."</li> </ul> </li> <li>2) QUANTITY: IN ADDITION TO ONE EXTRA KEY BLANK FOR EACH LOCK, PROVIDE THE FOLLOWING: <ul style="list-style-type: none"> <li>a) CYLINDER CHANGE KEYS: TWO.</li> <li>b) CONSTRUCTION KEYS: FOUR.</li> <li>c) MASTER KEYS: FOUR.</li> <li>d) GRAND MASTER KEYS: TWO.</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>
1.6 FIELD QUALITY CONTROL <ul style="list-style-type: none"> <li>A. INDEPENDENT ARCHITECTURAL HARDWARE CONSULTANT: <b>[CONTRACTOR]</b> ENGAGED TO PERFORM INSPECTIONS.</li> <li>B. OCCUPANCY ADJUSTMENT: THREE MONTHS.</li> </ul>
END OF SECTION 087100

DOORS AND WINDOWS

SECTION 088000 - GLAZING
1.1 SUMMARY <ul style="list-style-type: none"> <li>A. GLASS FOR WINDOWS, DOORS AND STOREFRONT FRAMING.</li> </ul>
1.2 SUBMITTALS <ul style="list-style-type: none"> <li>A. PRODUCT DATA: FOR EACH PRODUCT.</li> <li>B. PRODUCT CERTIFICATES: FOR GLASS.</li> </ul>
1.3 MATERIALS <ul style="list-style-type: none"> <li>A. SILICONE GLAZING SEALANTS: <b>NEUTRAL OR BASIC</b> CURING, CLASS <b>[25] [50] [100-50]</b>, VOC LESS THAN 250 G/L.</li> <li>B. GLAZING TAPES: <b>BACK-BEDDING-MASTIC</b> TYPE.</li> <li>C. GLAZING GASKETS: <b>[DENSE COMPRESSION] [SOFT COMPRESSION] [LOCK STRIP]</b>.</li> </ul>
1.4 MONOLITHIC GLASS SCHEDULE <ul style="list-style-type: none"> <li>A. GLASS TYPE <b>[GL-1]</b>: LOW-E-COATED, CLEAR INSULATING GLASS. <ul style="list-style-type: none"> <li>1. OUTDOOR LITE: SOLARBAN 60 + CLEAR, ANNEALED FLOAT GLASS.</li> <li>2. INDOOR LITE: SOLARBAN 60 + CLEAR, ANNEALED FLOAT GLASS.</li> </ul> </li> </ul>
U-VALUE: 0.29 SHGC: 0.39
END OF SECTION 088000



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SHEET:

G1.8



FINISHES

SECTION 092400 – PORTLAND CEMENT PLASTERING

**PART 1 - GENERAL**

**1.1 SECTION INCLUDES**

A. SUPPLY AND INSTALLATION OF FIBER REINFORCED, THREE-COAT STUCCO SYSTEM, WITH EXTERIOR RIGID INSULATION AND OPTIONAL CRACK RESISTANCE.

**1.2 SYSTEM DESCRIPTION:**

A. THREE-COAT STUCCO SYSTEM WITH RIGID CONTINUOUS INSULATION: EXTERIOR RIGID CONTINUOUS INSULATION, WIRE FABRIC OR METAL LATH, FIBER REINFORCED SCRATCH AND BROWN COAT (3/4 IN (19 MM)), AND EITHER AN ACRYLIC OR ELASTOMERIC BASED FINISH COAT.

B. EXPANSION AND CONTROL JOINTS: CONTINUOUS EXPANSION AND CONTROL JOINTS SHALL BE INSTALLED AT LOCATIONS IN ACCORDANCE WITH ASTM C1063 AND ASTM C926.

**1.5 SUBMITTALS**

A. GENERAL: SUBMIT SAMPLES, EVALUATION REPORTS AND MANUFACTURER'S PRODUCT DATA SHEETS IN ACCORDANCE WITH DIVISION 1 GENERAL REQUIREMENTS SUBMITTAL SECTION.

B. SAMPLES: SUBMIT SAMPLES FOR APPROVAL. SAMPLES SHALL BE OF MATERIALS SPECIFIED AND OF SUITABLE SIZE AS REQUIRED TO ACCURATELY REPRESENT EACH COLOR AND TEXTURE USED ON PROJECT. PREPARE EACH SAMPLE USING SAME TOOLS AND TECHNIQUES FOR ACTUAL PROJECT APPLICATION. MAINTAIN AND MAKE AVAILABLE, AT JOB SITE, APPROVED SAMPLES.

C. MANUFACTURER'S WARRANTY: SUBMIT SAMPLE COPIES OF MANUFACTURER'S WARRANTY INDICATING SINGLE SOURCE RESPONSIBILITY FOR STUCCO SYSTEM MATERIALS.

**1.6 QUALITY ASSURANCE**

A. QUALIFICATIONS:

1. MANUFACTURER: SHALL HAVE MARKETED STUCCO SYSTEMS IN UNITED STATES FOR AT LEAST TEN YEARS AND SHALL HAVE COMPLETED PROJECTS OF SAME GENERAL SCOPE AND COMPLEXITY.

2. APPLICATOR: SHALL BE EXPERIENCED AND COMPETENT IN INSTALLATION OF STUCCO MATERIALS, AND SHALL PROVIDE EVIDENCE OF A MINIMUM OF FIVE YEARS EXPERIENCE IN WORK SIMILAR TO THAT REQUIRED BY THIS SECTION.

**PART 2 - PRODUCTS**

**2.1 MANUFACTURERS**

A. MANUFACTURER, BASIS OF DESIGN: PAREX USA, INC.

B. COMPONENTS: OBTAIN COMPONENTS MANUFACTURED BY PAREX USA PAREX ARMOURWALL 300 CI STUCCO SYSTEM FROM AUTHORIZED DISTRIBUTORS. NO SUBSTITUTIONS OR ADDITIONS OF OTHER MATERIALS ARE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION FROM PAREX USA FOR THIS PROJECT.

**2.2 MATERIALS**

A. STUCCO BASE:

1. PAREX FIBER-47 ARMOURWALL SCRATCH AND BROWN SANDED: PROPRIETARY MIXTURE OF PORTLAND CEMENT, AND PROPRIETARY INGREDIENTS MIXED WITH CLEAN, COOL, AND POTABLE WATER IN THE FIELD.

B. STUCCO ADMIX: PAREX USA, ADACRYL ADMIX BONDING AGENT; 100% ACRYLIC EMULSION ADDITIVE FOR PORTLAND CEMENT BASED PRODUCTS TO ENHANCE CURING, ADHESION, FREEZE-THAW RESISTANCE AND WORKABILITY AND AS AN ACRYLIC POLYMER BONDING AGENT.

C. LEVELING AND REINFORCING COAT:

1. PAREX USA STUCCO LEVEL COAT™: COPOLYMER BASED, FACTORY BLEND OF CEMENT AND PROPRIETARY INGREDIENTS REQUIRING ADDITION OF WATER.

1. PAREX USA REINFORCING MESHES:

[A. PAREX USA STUCCO MESH: WEIGHT 4.5 OZ/YD² (153 G/M²) REINFORCING MESH.

[B. PAREX USA 355 STANDARD MESH: WEIGHT 4.5 OZ/YD² (153 G/M²) REINFORCING MESH.

D. EXPANDED POLYSTYRENE FEATURES OVER STUCCO:

1. ADHESIVE AND BASE COAT:

2. PAREX 121 BASE COAT & ADHESIVE: 100% ACRYLIC POLYMER BASE, REQUIRING THE ADDITION OF PORTLAND CEMENT.

1. INSULATION BOARD:

a. IN COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS FOR PAREX CI SYSTEMS.

b. PRODUCED AND LABELED UNDER A THIRD PARTY QUALITY PROGRAM AS REQUIRED BY APPLICABLE BUILDING CODE; AND PRODUCED BY A MANUFACTURER APPROVED BY PAREX USA.

c. SHALL CONFORM TO ASTM C578, ASTM E2430 TYPE I, AND THE PAREX USA SPECIFICATION FOR MOLDED EXPANDED POLYSTYRENE INSULATION BOARD.

3. REINFORCING MESH:

a. PAREX USA 355 STANDARD MESH: WEIGHT 4.5 OZ/YD² (153 G/M²) REINFORCING MESH.

b. PAREX USA 356 SHORT DETAIL MESH: REINFORCING MESH USED FOR BACKWRAPPING AND DETAILS.

E. PRIMER:

1. PAREX USA QUIKURE: 100% ACRYLIC BASED PRIMER TO PREPARE SURFACES FOR ACRYLIC OR ELASTOMERIC FINISHES.

A. FINISH AND COATINGS:

1. PAREX DPR OPTIMUM FINISH: FACTORY BLENDED, 100% ACRYLIC POLYMER BASED FINISH, INTEGRALLY COLORED. FINISH TYPE, TEXTURE AND COLOR AS SELECTED BY PROJECT DESIGNER.

**2.3 RELATED MATERIALS AND ACCESSORIES**

A. GENERAL: STUCCO SYSTEM MATERIALS AND RELATED MATERIALS SHALL CONFORM TO ASTM C926, THIS SPECIFICATION AND PAREX PRODUCT DATA SHEETS.

B. SUBSTRATE MATERIALS:

1. GYPSUM SHEATHING: MINIMUM 1/2 IN (13 MM) THICK, CORE-TREATED, WEATHER-RESISTANT, EXTERIOR GYPSUM SHEATHING COMPLYING WITH ASTM C79 OR ASTM C1177.

2. PLYWOOD: MINIMUM 5/16 IN (8 MM) THICK EXTERIOR GRADE OR EXPOSURE I PLYWOOD FOR STUDS SPACED 16 IN (406 MM) O.C. AND 3/8 IN (9 MM) THICK EXTERIOR TYPE PLYWOOD MINIMUM FOR STUDS SPACED 24 IN (610 MM) O.C. PLYWOOD SHALL COMPLY BE EXTERIOR GRADE OR EXPOSURE 1 AND COMPLY WITH DCC PS-1.

3. ORIENTED STRAND BOARD (OSB): 7/16 -1/2 IN WALL-16 OR WALL-24, APPROVED BY THE APA, TECO, OR PS1/P1L. STAMPED AS EXPOSURE 1 OR EXTERIOR SHEATHING WITH A PS2 OR PRP-106 RATING. FOR OSB LIMITATIONS ON SEE PAREX USA TECHNICAL BULLETIN: EIFS AND STUCCO; ACCEPTABLE SUBSTRATES AND AREAS OF USE.

4. OTHER APPROVED BY STUCCO SYSTEM MANUFACTURER IN WRITING PRIOR TO THE PROJECT.

C. WATER-RESISTIVE BARRIERS:

1. WOOD SUBSTRATE: EXCEPTION: A CODE COMPLIANT WATER-RESISTIVE BARRIER THAT HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT OF 60-MINUTE GRADE D PAPER.

2. OTHER SHEET GOOD WATER-RESISTIVE BARRIER MAINTAINING A CURRENT ICC EVALUATION REPORT.

3. CODE COMPLIANT APPROVED WATER RESISTIVE BARRIER.

D. OPTIONAL DRAINAGE BEHIND CONTINUOUS INSULATION:

1. WATER RESISTIVE BARRIER INCORPORATING IN ITSELF A MEANS OF DRAINAGE AND MAINTAINING A CURRENT ICC EVALUATION REPORT COVERED BY FLAT INSULATION BOARD.

2. WATER RESISTIVE BARRIER COVERED BY DRAINAGE MAT.

E. CONTINUOUS INSULATION:

1. EXPANDED (EPS), OR EXTRUDED (XPS), HAVING A NOMINAL DENSITY OF 1 LB/FT³ (14 KG/M³).

2. POLYISOCYANURATE FOAM PLASTIC COMPLYING WITH ASTM C1289 AS TYPE II BOARD WITH A NOMINAL DENSITY OF 2 PCF (32 KG/M³).

F. LATH AND ACCESSORIES: CONFORM TO ASTM C847, ASTM C933, ASTM C1032, ASTM C1063 AND APPENDIX.

1. ACCESSORIES: MANUFACTURER'S STANDARD STEEL PRODUCTS WITH MINIMUM G60 GALVANIZING UNLESS OTHERWISE INDICATED AS RIGID POLYVINYL CHLORIDE (PVC PLASTIC) OR ZINC ALLOY.

2. LATH LOCKS: WIND-LOCK "LATH-LOCK" STEEL WASHER, 1 1/4" DIAMETER, 24 GAUGE, GALVANIZED STEEL, MECHANICAL FASTENING WASHER, HAVING A COUNTERSUNK CENTRAL THROUGH-HOLE, AND FOUR (4) DOWN-TURNED LEGS THAT PREVENT ROTATION DURING INSTALLATION AND KEEP THE MESH FROM SLIPPING OUT FROM UNDER THE PLATE, OR EQUAL.

3. METAL PLASTER BASES: MINIMUM 17 GAUGE SELF-FURRED STUCCO NETTING, MINIMUM 2.5 LB/YD² (1.4 KG/M²) OR 3.4 LB/YD² (1.8 KG/M²) EXPANDED METAL DIAMOND LATH, OR WELDED WIRE LATH IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

4. WEEP SCREEDS: FOUNDATION WEEP SCREED WITH MINIMUM 3-1/2 INCH VERTICAL ATTACHMENT FLANGE.

G. SEALS, SEALANTS AND BOND BREAKERS: SEALANTS SHALL CONFORM TO ASTM C 920, GRADE NS, CLASS 25, USE NT. BACKER ROD SHALL BE CLOSED-CELL POLYETHYLENE FOAM.

**PART 3 - EXECUTION**

**3.1 EXAMINATION**

A. VERIFY PROJECT SITE CONDITIONS UNDER PROVISIONS OF SECTION 01 00 00.

B. COMPLIANCE: COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF STUCCO SYSTEM MATERIALS.

**3.3 MIXING**

A. MIX PROPRIETARY PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, INCLUDING THE APPLICABLE STUCCO SYSTEM PRODUCT DATA SHEETS AND APPLICATION GUIDELINES.

B. ADMIX: PAREX USA ADACRYL

1. MIX UP TO 1 GAL (3.8 L) PER 1 BAG OF PAREX FIBER-47 ARMOURWALL SCRATCH AND BROWN CONCENTRATE. MIX UP TO 1 QT (1 L) PER BAG OF PAREX FIBER-47 ARMOURWALL SCRATCH AND BROWN SANDED. ADD AFTER DRY COMPONENTS AND THE MAJORITY OF THE WATER HAS BEEN MIXED. MIX NO LONGER THAN REQUIRED TO PROVIDE A UNIFORM MIXTURE. DO NOT OVER-MIX. OVERMIXING ENTRAINS EXCESSIVE AMOUNTS OF AIR WHICH WEAKEN THE MATERIAL. DO NOT RE-TEMPER MIXES OVER 20 MINUTES OLD.

**3.4 APPLICATION**

A. GENERAL: STUCCO SYSTEM AND ITS RELATED MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C926. FOLLOW PAREX USA'S CURRENT STUCCO APPLICATION GUIDE.

B. WATER RESISTIVE BARRIER:

1. THE WATER-RESISTIVE BARRIER IS PLACED OVER ALL SUBSTRATES.

2. INSTALLATION ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

D. CONTINUOUS INSULATION:

1. INSULATION BOARDS SHOULD BE FASTENED TO ALLOW TEMPORARY PLACEMENT UNTIL THE LATH IS INSTALLED.

2. THE LATH IS APPLIED TIGHTLY OVER THE INSULATION BOARD AND FASTENED THROUGH THE INSULATION BOARD TO STUDS. CARE MUST BE TAKEN TO AVOID OVERDRIVING FASTENERS.

E. STUCCO BASE:

1. SCRATCH COAT:

a. APPLY SCRATCH COAT TO A MINIMUM THICKNESS OF 3/8 IN (9.5 MM), USING SUFFICIENT TROWEL PRESSURE TO KEY STUCCO INTO LATH OR TO CREATE A BOND TO SUBSTRATES AS APPLICABLE.

b. PRIOR TO INITIAL SET, SCRATCH HORIZONTALLY TO PROVIDE KEY FOR BOND OF BROWN COAT.

c. MOIST CURE SCRATCH COAT WITH CLEAN POTABLE WATER FOR AT LEAST 48 HOURS IN ACCORDANCE WITH ASTM C926 AND THE BUILDING CODES FOLLOWING INITIAL APPLICATION (UNLESS BROWN COAT IS APPLIED AS SOON AS THE SCRATCH COAT HAS ACHIEVED SUFFICIENT RIGIDITY TO SUPPORT THE BROWN COAT).

2. BROWN COAT:

a. APPLY BROWN COAT TO A MINIMUM THICKNESS OF 3/8 IN (9.5 MM), USING SUFFICIENT TROWEL PRESSURE TO KEY STUCCO INTO SCRATCH COAT.

b. ROD SURFACE TO TRUE PLANE AND FLOAT TO DENSITY.

c. TROWEL TO SMOOTH AND UNIFORM SURFACE TO RECEIVE ACRYLIC POLYMER FINISH COAT.

d. MOIST CURE BROWN COAT WITH CLEAN POTABLE WATER FOR AT LEAST 48 HOURS, IN ACCORDANCE WITH ASTM C926 AND THE BUILDING CODES.

F. LEVELING AND REINFORCING COAT:

1. AFTER MOIST CURING, ALLOW STUCCO BASE COAT TO AIR DRY A MINIMUM OF 24 HOURS BEFORE APPLYING THE LEVELING AND REINFORCING COAT.

2. USING A STAINLESS STEEL TROWEL, APPLY THE STUCCO LEVELING COAT OVER THE STUCCO BASE COAT AT A THICKNESS OF 1/16 TO 3/32 IN (1.6 – 2.4 MM).

3. FULLY EMBED REINFORCING MESH, EITHER STUCCO MESH, 355 STANDARD MESH OR 358.10 INTERMEDIATE MESH, INTO WET STUCCO LEVEL COAT, INCLUDING DIAGONAL STRIPS AT CORNERS OF OPENINGS AND TROWEL SMOOTH. IF STUCCO MESH OR 355 STANDARD MESH IS USED, SEAMS ARE OVERLAPPED 2-1/2 IN (63 MM); IF 358.10 INTERMEDIATE MESH IS USED, SEAMS ARE BUTTED AND COVERED BY STRIPS OF 356 DETAIL MESH.

4. THE ACRYLIC PRIMERS AND FINISHES CAN BE APPLIED AS SOON AS THE STUCCO LEVELING COAT HAS DRIED, TYPICALLY WITHIN 24 HOURS.

G. EXPANDED POLYSTYRENE FEATURED OVER STUCCO BASE COAT:

1. INSTALL BACK-WRAP MESH AT EPS TERMINATIONS.

2. APPLY ADHESIVE TO BACKS OF INSULATION BOARDS WITH A NOTCHED TROWEL. ALLOW TO DRY A MINIMUM OF 12 HOURS.

3. APPLY BASE COAT MATERIAL TO THE ENTIRE FOAM SHAPE AND PULL THE BACKWRAP MESH AROUND THE FOAM SHAPES AND FULLY EMBED IT INTO THE BASE COAT.

4. IMMEDIATELY EMBED THE REINFORCING MESH IN THE WET BASE COAT.

H. PRIMER AND FINISH:

1. REMOVE SURFACE CONTAMINANTS SUCH AS DUST OR DIRT WITHOUT DAMAGING THE SUBSTRATE.

2. AMBIENT AND SURFACE TEMPERATURE MUST BE 40°F (4°C) OR HIGHER DURING APPLICATION AND DRYING TIME. SUPPLEMENTAL HEAT AND PROTECTION FROM PRECIPITATION MUST BE PROVIDED AS NEEDED.

3. USE ONLY ON SURFACES THAT ARE SOUND, CLEAN, DRY, UNPAINTED, AND FREE FROM ANY RESIDUE THAT MIGHT AFFECT THE ABILITY OF THE FINISH TO BOND TO THE SURFACE.

4. PROTECT FINISH COATS FROM INCLIMATE WEATHER UNTIL COMPLETELY DRY.

I. CURING

1. KEEP STUCCO BASE COAT MOIST FOR AT LEAST 48 HOURS (LONGER IN DRY WEATHER) BY LIGHTLY FOGGING WALLS. START LIGHT FOGGING AFTER INITIAL SET OF 1-2 HOURS.

2. AIR DRY ACRYLIC BASED AND ELASTOMERIC FINISH COATS ONLY. DO NOT WET CURE.

**3.5 PROTECTION**

A. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM WATER INFILTRATION INTO OR BEHIND THEM.

B. PROVIDE PROTECTION OF INSTALLED STUCCO FROM DUST, DIRT, PRECIPITATION, AND FREEZING DURING INSTALLATION.

C. PROVIDE PROTECTION OF INSTALLED FINISH FROM DUST, DIRT, PRECIPITATION, FREEZING, AND CONTINUOUS HIGH HUMIDITY UNTIL FULLY DRY.

D. CLEAN EXPOSED SURFACES USING MATERIALS AND METHODS RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL OR PRODUCT BEING CLEANED. REMOVE AND REPLACE WORK THAT CANNOT BE CLEANED TO THE SATISFACTION OF THE DESIGNER/OWNER.

FINISHES

SECTION 092900 - GYPSUM BOARD

**1.1 SUMMARY**

A. INTERIOR GYPSUM BOARD.

B. TILE BACKING PANELS.

**1.2 SUBMITTALS**

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

B. SAMPLES: FOR THE FOLLOWING PRODUCTS:

1. TEXTURED FINISHES: MANUFACTURER'S STANDARD SIZE FOR EACH TEXTURED FINISH INDICATED AND ON SAME BACKING INDICATED FOR WORK.

**1.3 MATERIALS**

A. INTERIOR GYPSUM BOARD:

1. GENERAL: COMPLYING WITH ASTM C 36/C 36M OR ASTM C 1396/C 1396M, AS APPLICABLE TO TYPE OF GYPSUM BOARD INDICATED AND WHICHEVER IS MORE STRINGENT.

a. MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS, INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.

2. TYPE X:

a. THICKNESS: 5/8 INCH (15.9 MM).

b. LONG EDGES: TAPERED.

3. MOISTURE- AND MOLD-RESISTANT TYPE: WITH MOISTURE- AND MOLD-RESISTANT CORE AND SURFACES.

a. CORE: 5/8 INCH(15.9 MM), TYPE X.

b. LONG EDGES: TAPERED.

c. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.

B. TILE-BACKING PANELS:

1. GLASS-MAT, WATER-RESISTANT BACKING BOARD: ASTM C 1178/C 1178M, WITH MANUFACTURER'S STANDARD EDGES.

a. MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS, INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.

b. CORE: 5/8 INCH (15.9 MM), TYPE X.

c. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.

2. CEMENTITIOUS BACKER UNITS: ANSI A118.9 AND ASTM C 1288 OR 1325, WITH MANUFACTURER'S STANDARD EDGES.

a. THICKNESS: AS INDICATED.

b. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.

C. TRIM ACCESSORIES:

a. INTERIOR: CORNERBEAD.

END OF SECTION 092900

FINISHES

SECTION 093000 - TILING

**1.1 SUMMARY**

A. PAVES, GLAZED, WALL TILE, AND THIN PORCELAIN TILE.

B. WATERPROOF MEMBRANE FOR THIN-SET TILE INSTALLATIONS.

C. METAL EDGE STRIPS INSTALLED AS PART OF TILE INSTALLATIONS.

**1.2 QUALITY ASSURANCE**

A. MOCKUPS FOR EACH FORM OF CONSTRUCTION.

**1.3 MATERIALS**

A. GLAZED WALL TILE TRIM SHAPES: COVED BASE, BULLNOSE CAP.

B. THRESHOLDS: SATIN ANODIZED ALUMINUM THRESHOLDS AND TRANSITION STRIPS.

1. BEVEL EDGES AT 1:2 SLOPE, WITH LOWER EDGE OF BEVEL ALIGNED WITH OR UP TO 1/16 INCH (1.5 MM) ABOVE ADJACENT FLOOR SURFACE. FINISH BEVEL TO MATCH TOP SURFACE OF THRESHOLD. LIMIT HEIGHT OF THRESHOLD TO 1/2 INCH (12.7 MM) OR LESS ABOVE ADJACENT FLOOR SURFACE.

C. MORTAR: LATEX-PORTLAND CEMENT

D. ELASTOMERIC SEALANTS: ONE-PART, MILDEW-RESISTANT SILICONE.

1. SEALANTS SHALL HAVE A VOC CONTENT OF 250 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).

**1.4 FLOOR TILE INSTALLATION SCHEDULE**

A. INTERIOR FLOORS ON CONCRETE: THIN-SET MORTAR.

1. TILE TYPE: UNGLAZED PAVER TILE.

2. MORTAR: LATEX- PORTLAND CEMENT MORTAR BOND COAT.

3. GROUT: POLYMER-MODIFIED UNSANDED 100% SOLIDS EPOXY NON-SAGGING GROUT.

B. INTERIOR FLOORS ON [WATERPROOF] [CRACK-SUPPRESSION] MEMBRANE OVER CONCRETE AND WOOD: THIN-SET MORTAR.

1. TILE TYPE: UNGLAZED PAVER TILE.

2. MORTAR: LATEX- PORTLAND CEMENT MORTAR BOND COAT.

3. GROUT: POLYMER-MODIFIED UNSANDED 100% SOLIDS EPOXY NON-SAGGING GROUT.

**1.5 WALL TILE INSTALLATION SCHEDULE**

A. INTERIOR WALLS OVER GLASS-MAT WATER-RESISTANT BACKER BOARD OR CEMENTITIOUS BACKER UNITS: THIN-SET MORTAR.

1. MORTAR: LATEX- PORTLAND CEMENT MORTAR.

2. GROUT: POLYMER-MODIFIED UNSANDED GROUT SUPPLIED BY GC.

**1.6 INSTALLATION**

A. ALL TILE AND SLATE TO BE INSTALLED PER TILE COUNCIL OF AMERICA STANDARDS. GROUT WIDTH PER MANUFACTURER OR AS NOTED.

END OF SECTION 093000

FINISHES

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

**1.1 SUMMARY**

A. ACOUSTICAL PANELS AND EXPOSED SUSPENSION SYSTEMS.

**1.2 SUBMITTALS**

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

B. COORDINATION DRAWINGS: REFLECTED CEILING PLANS, DRAWN TO SCALE, ON WHICH THE FOLLOWING ITEMS ARE SHOWN AND COORDINATED WITH EACH OTHER, BASED ON INPUT FROM INSTALLERS OF THE ITEMS INVOLVED:

1. CEILING SUSPENSION SYSTEM MEMBER

2. METHOD OF ATTACHING HANGERS TO BUILDING STRUCTURE.

3. CEILING-MOUNTED ITEMS INCLUDING LIGHTING FIXTURES, DIFFUSERS, GRILLES, SPEAKERS, SPRINKLERS, ACCESS PANELS, AND SPECIAL MOLDINGS.

C. SAMPLES FOR VERIFICATION: FOR EACH COMPONENT INDICATED AND FOR EACH EXPOSED FINISH REQUIRED, PREPARED ON SAMPLES OF SIZE INDICATED BELOW.

1. ACOUSTICAL PANEL: SET OF FULL-SIZE SAMPLES OF EACH TYPE, COLOR, PATTERN, AND TEXTURE.

2. EXPOSED SUSPENSION SYSTEM MEMBERS, MOLDINGS, AND TRIM: SET OF 12-INCH-(300-MM-) LONG SAMPLES OF EACH TYPE, FINISH, AND COLOR.

D. QUALIFICATION DATA: FOR TESTING AGENCY.

E. FIELD QUALITY CONTROL TEST REPORTS.

F. PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY A QUALIFIED TESTING AGENCY, FOR EACH ACOUSTICAL PANEL CEILING.

G. MAINTENANCE DATA: FOR FINISHES TO INCLUDE IN MAINTENANCE MANUALS.

**1.3 QUALITY ASSURANCE**

A. ACOUSTICAL PANEL QUALITY STANDARD: ASTM E 1264.

B. METAL SUSPENSION SYSTEM QUALITY STANDARD: ASTM C 635.

**1.4 MATERIALS**

A. ACOUSTICAL CEILING PANELS GENERAL: MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS, INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.

B. ACOUSTICAL CEILING PANELS WASHABLE

1. CLASSIFICATION: TYPE IV, MINERAL BASE WITH MEMBRANE-FACED OVERLAY; FORM 2, WATER FELTED; WITH VINYL OVERLAY ON FACE; PATTERN G (SMOOTH).

2. COLOR: AS INDICATED ON DRAWINGS.

3. THICKNESS: 5/8 INCH (15 MM).

4. MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).

5. BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.

C. ACOUSTICAL CEILING PANELS TEXTURED:

1. CLASSIFICATION: TYPE III, MINERAL BASE WITH PAINTED FINISH; FORM 2, WATER FELTED; PATTERN E (LIGHTLY TEXTURED).

2. COLOR: AS INDICATED ON DRAWINGS.

3. THICKNESS: 5/8 INCH (15 MM).

4. MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).

5. BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.

E. METAL SUSPENSION SYSTEMS:

1. WIDE-FACE, CAPPED, DOUBLE-WEB STEEL: INTERMEDIATE DUTY.

F. METAL EDGE MOLDINGS AND TRIM: ROLL-FORMED SHEET METAL.

**1.5 INSTALLATION**

A. INSTALLATION: ASTM C 636.

**1.6 FIELD QUALITY CONTROL**

A. TESTING: BY OWNER-ENGAGED AGENCY TO TEST ACOUSTICAL PANEL CEILING HANGER FASTENERS.

END OF SECTION 095113

FINISHES

SECTION 097200 - WALL COVERINGS

**1.1 SUMMARY**

A. VINYL AND WOVEN GLASS-FIBER WALL COVERING.

**1.2 MATERIALS**

A. ADHESIVE: MILDEW-RESISTANT, NONSTAINING, STRIPPABLE ADHESIVE, FOR USE WITH SPECIFIC WALL COVERING AND SUBSTRATE APPLICATION, AS RECOMMENDED IN WRITING BY WALL-COVERING MANUFACTURER, AND WITH A VOC CONTENT OF 50 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).

**1.3 INSTALLATION**

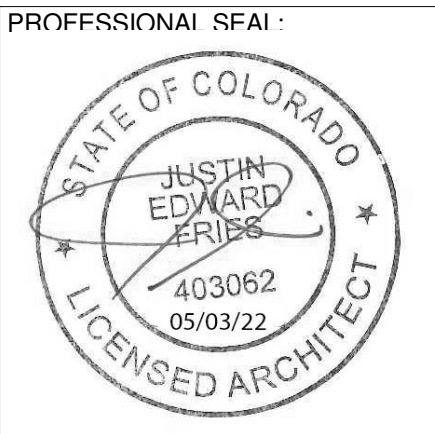
A. INSTALL STRIPS IN SAME ORDER AS CUT FROM ROLL.

END OF SECTION 097200



CHRISTY SPORTS -  
GONDOLA SQ. BLDG. D

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			21066	Author	Approver	05/24/2022		SPECIFICATIONS

SHEET:

G1.9

- END OF SECTION 099113

- END OF SECTION 099123

- END OF SECTION 099300

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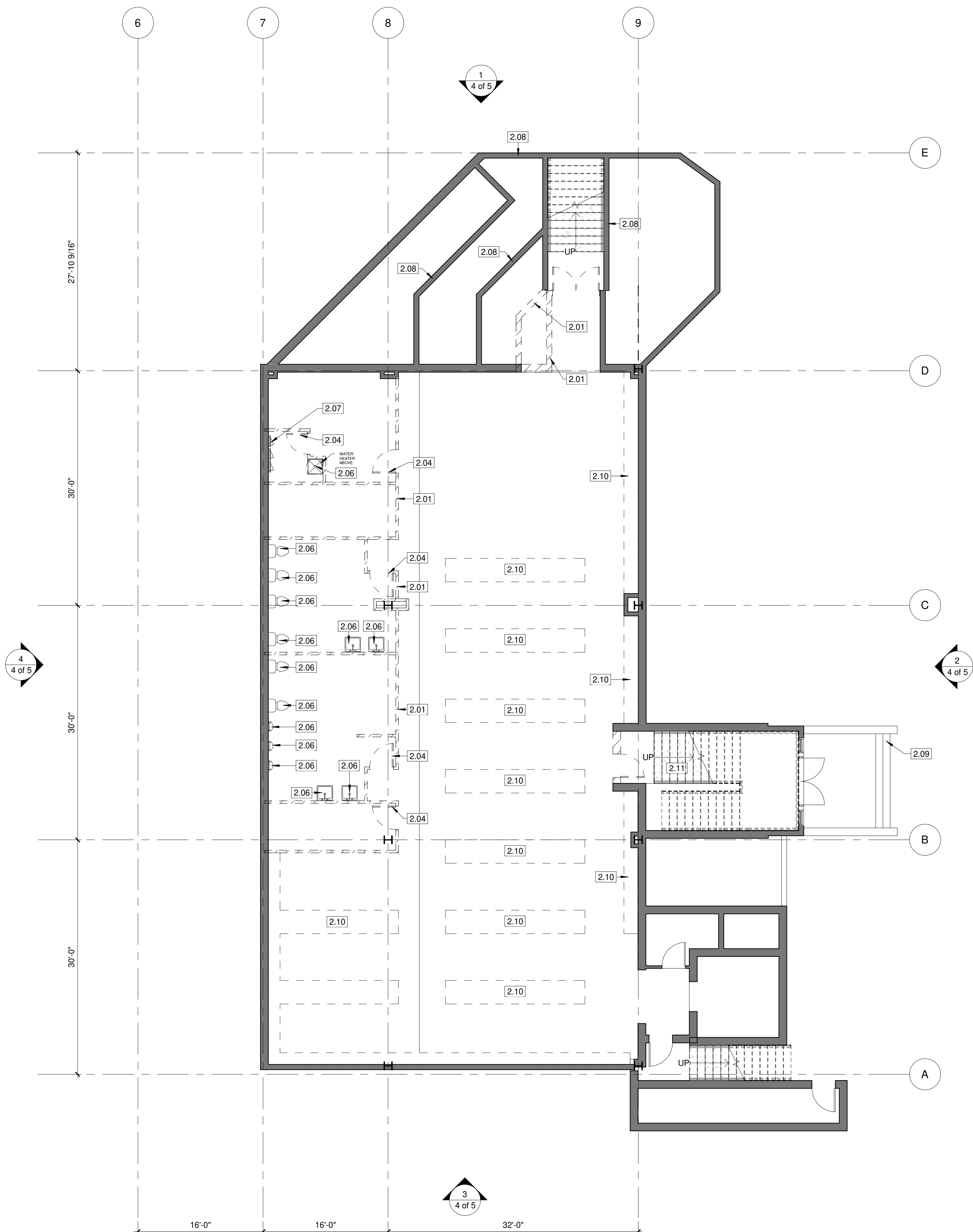
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G1.10





1 LEVEL 00 DEMOLITION PLAN  
1/8" = 1'-0"

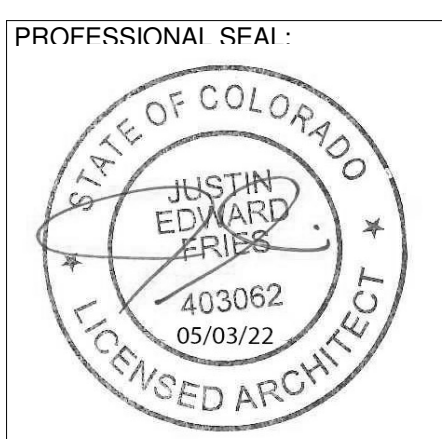


KEYNOTE LEGEND	
Key Value	Keynote Text
2.01	REMOVE EXISTING WALL
2.04	REMOVE EXISTING DOOR AND FRAME
2.06	REMOVE EXISTING PLUMBING FIXTURE AND CAP, RE: PLUMB. DWGS.
2.07	REMOVE EXISTING ELECTRICAL EQUIPMENT, RE: ELEC. DWGS.
2.08	EXISTING CONCRETE SITE WALL TO REMAIN
2.09	EXISTING EXTERIOR STAIR TO REMAIN
2.10	REMOVE EXISTING CONCRETE FLOOR SLAB
2.11	REMOVE EXISTING METAL STAIR NOSING AND REPLACE



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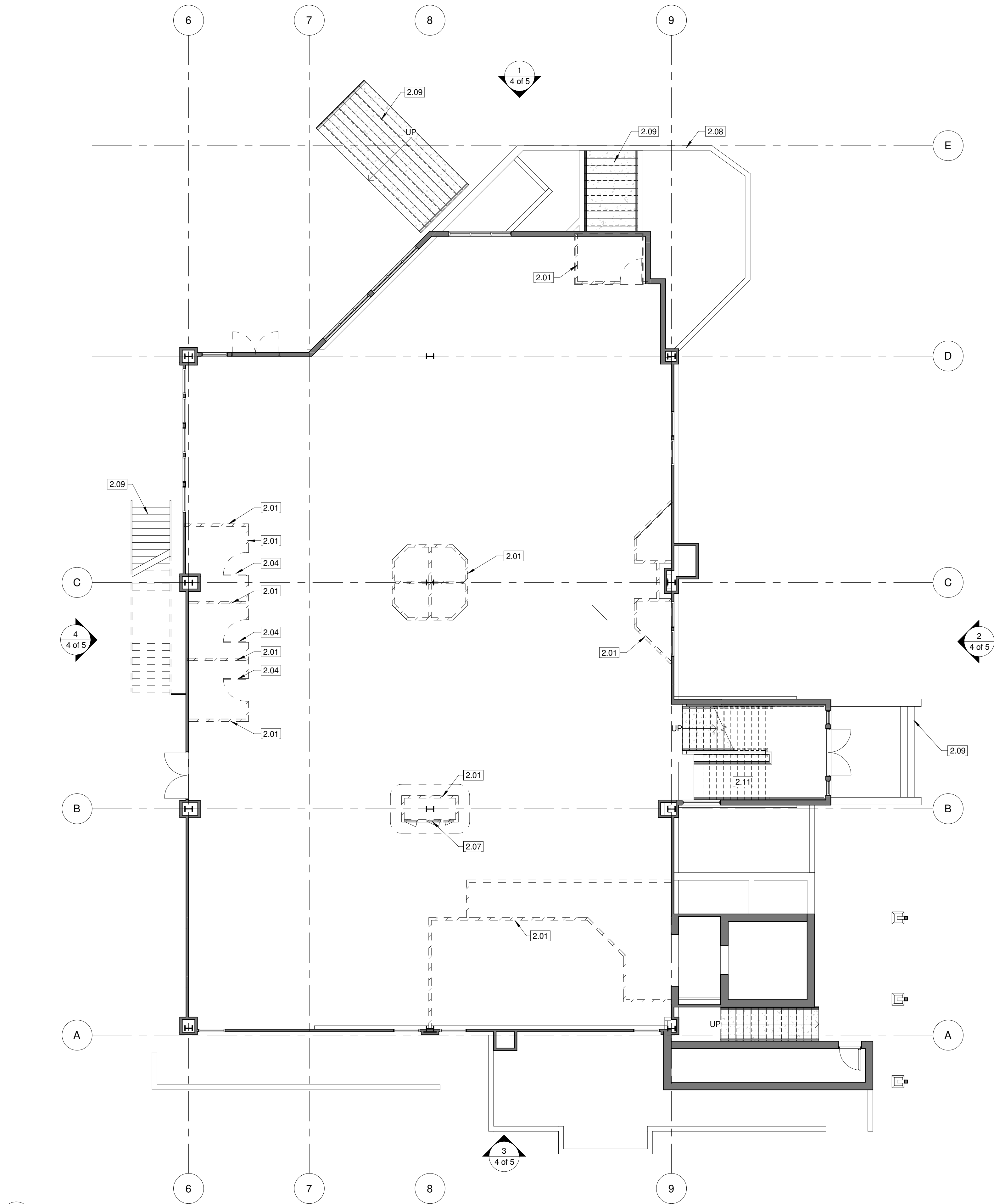
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			21066	Author	JF	05/24/2022		DEMOLITION FLOOR PLAN

SHEET:

D2.1





**1** LEVEL 01 DEMOLITION PLAN  
1/8" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
2.01	REMOVE EXISTING WALL
2.04	REMOVE EXISTING DOOR AND FRAME
2.07	REMOVE EXISTING ELECTRICAL EQUIPMENT, RE: ELEC. DWGS.
2.08	EXISTING CONCRETE SITE WALL TO REMAIN
2.09	EXISTING EXTERIOR STAIR TO REMAIN
2.11	REMOVE EXISTING METAL STAIR NOSING AND REPLACE

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			21066	Author	JF	05/24/2022	DEMOLITION FLOOR PLAN

SHEET:  
**D2.2**

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STEAMBOAT SPRINGS, CO 80487

PROFESSIONAL SFAI

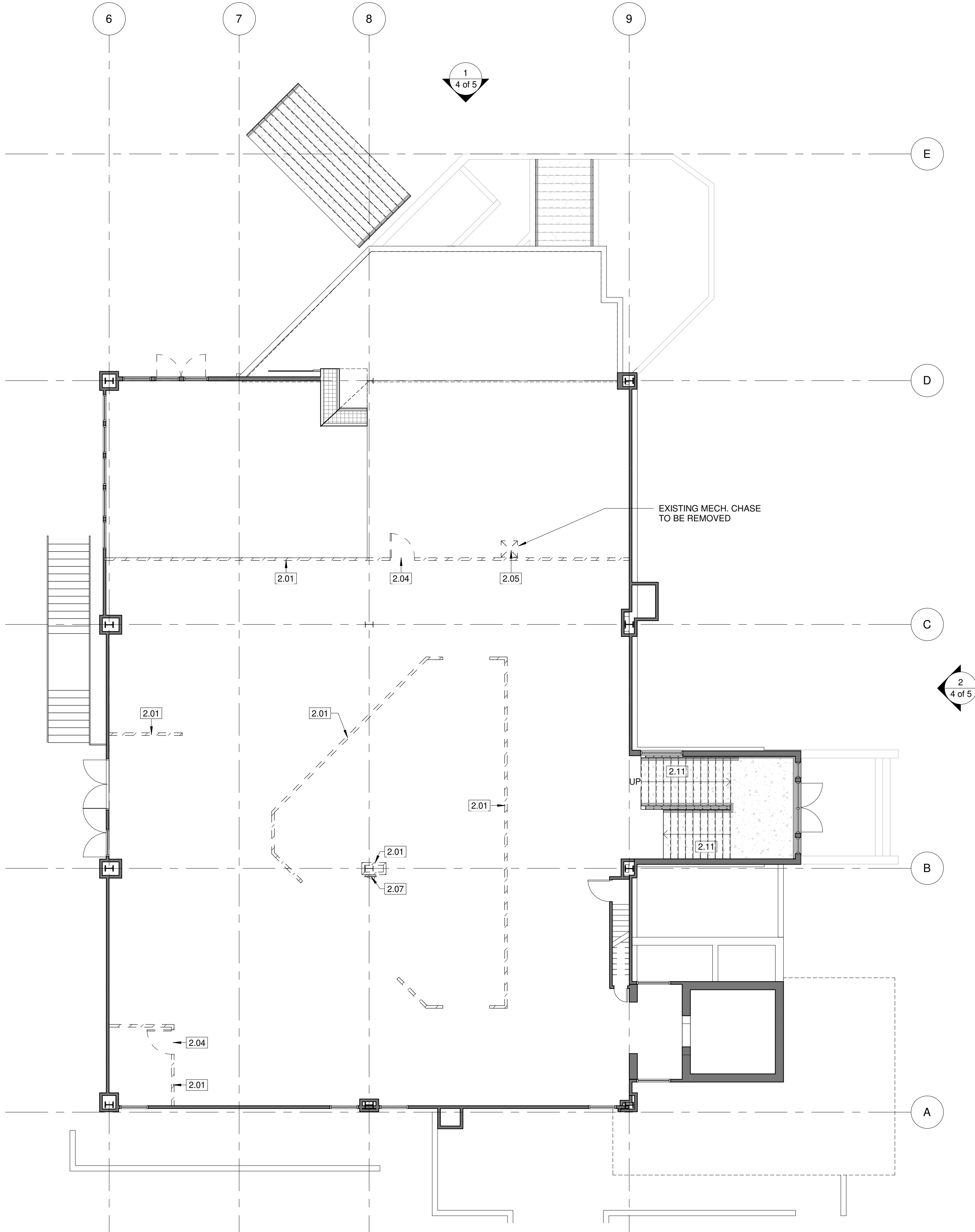


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REV. #	ISSUED FOR	DATE	JOB NUMBER:	DRAWN BY:	APPROVED BY:	DATE:	SHEET TITLE:
			21066	Author	JF	05/24/2022	DEMOLITION FLOOR PLAN
Original drawing is 24" x 36"   Scale entities accordingly if reduced							

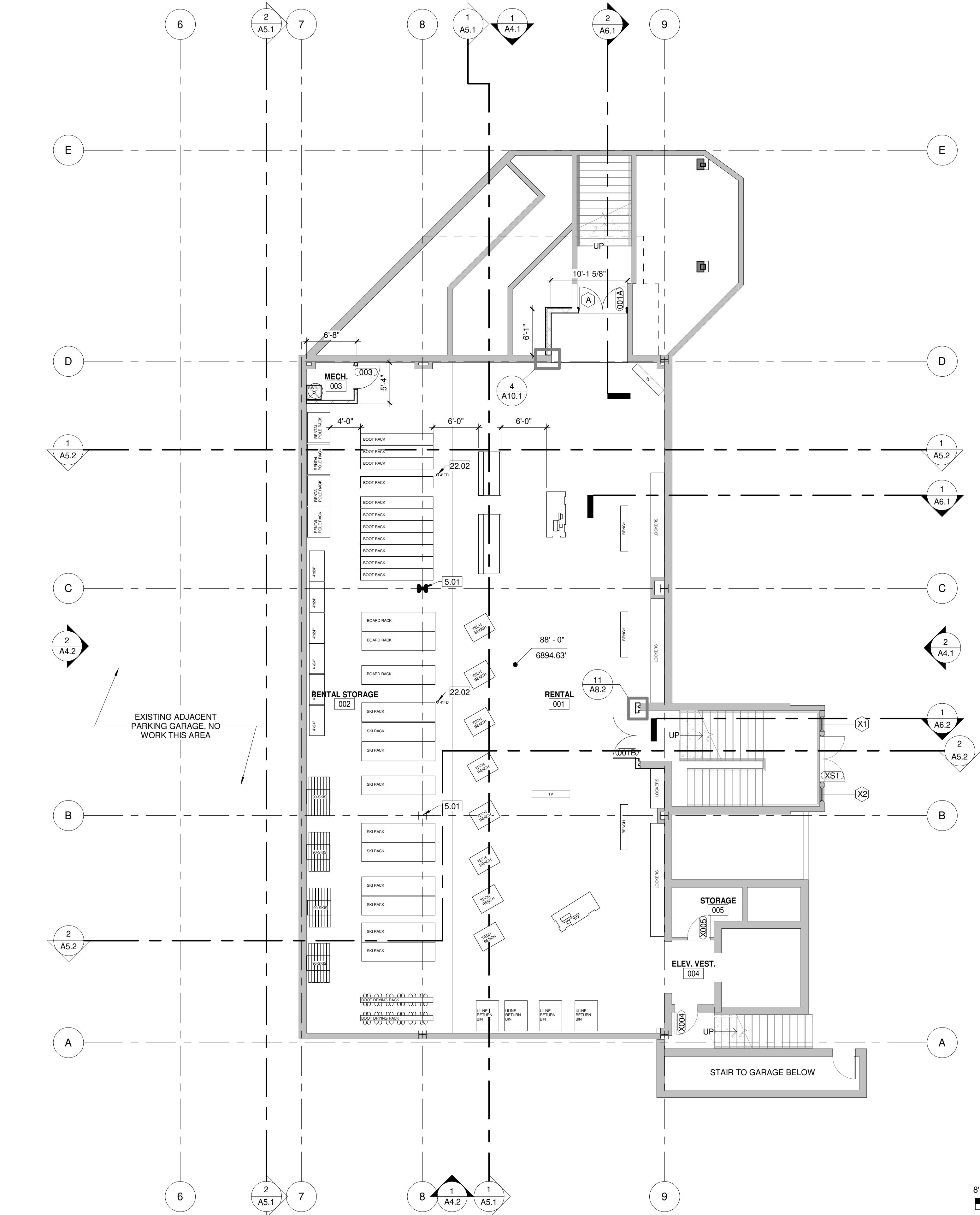
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**D2.3**

KEYNOTE LEGEND	
Key Value	Keynote Text
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2.04	REMOVE EXISTING DOOR AND FRAME
2.05	REMOVE EXISTING MECHANICAL EQUIPMENT, RE: MECH. DWGS.
2.07	REMOVE EXISTING ELECTRICAL EQUIPMENT, RE: ELEC. DWGS.
2.11	REMOVE EXISTING METAL STAIR NOSING AND REPLACE



**1** LEVEL 02 DEMOLITION PLAN  
1/8" = 1'-0"



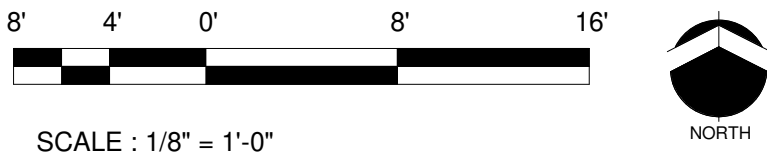


1 LEVEL 00 - FLOOR PLAN  
1/8" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
5.01	EXISTING STEEL COLUMN TO REMAIN
22.02	FLOOR DRAIN; RE: PLUMBING DWGS

FLOOR PLAN GENERAL NOTES:

- DIMENSIONS ARE TO FACE OF STUD, CONCRETE, OR CMU UNO.
- ALL DOORS TO BE LOCATED 4" FROM ADJACENT PARTITION WHERE DOOR IS INDICATED ADJACENT TO PARTITION UNO.
- SEE REFERENCED ENLARGED PLANS, FOR FURTHER DETAILS AND LAYOUT.
- REFER TO A8.1 FOR DOOR AND WINDOW SCHEDULE AND ELEVATIONS.
- REFER TO ELEVATIONS FOR ADDITIONAL WINDOWS/WALL OPENING INFORMATION.
- OPENINGS FOR DOORS, WINDOWS, LOUVERS, ETC MUST BE VERIFIED WITH MFR ROUGH OPENING REQUIREMENTS. ARCHITECTURAL DIMENSION PLANS ARE INTENDED TO LOCATE FEATURES OF THE BUILDING AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION COORDINATION DRAWINGS.



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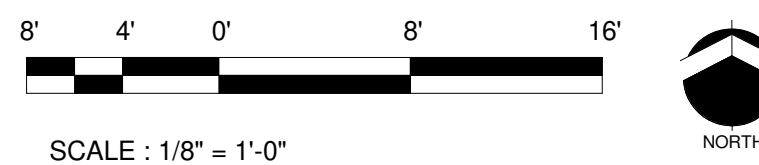


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			21066	XXX	JF	05/24/2022		FLOOR PLAN

SHEET:  
A2.11

1. DIMENSIONS ARE TO FACE OF STUD, CONCRETE, OR OMU UNO.
2. ALL DOORS TO BE LOCATED 4" FROM ADJACENT PARTITION WHERE DOOR IS INDICATED ADJACENT TO PARTITION UNO.
3. REFER TO REFERENCED ENLARGED PLANS FOR FURTHER DETAILS AND LAYOUT.
4. REFER TO A8.1 FOR DOOR AND WINDOW SCHEDULE AND ELEVATIONS.
5. REFER TO ELEVATIONS FOR ADDITIONAL WINDOWS/WALL OPENING INFORMATION.
6. OPENINGS FOR DOORS, WINDOWS, LOUVERS, ETC MUST BE VERIFIED WITH MFR OF THE OPENING PRODUCT. DIMENSIONS TO FACE OF PRODUCT. DIMENSION PLANS ARE INTENDED TO LOCATE FEATURES OF THE BUILDING AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION COORDINATION DRAWINGS.



**1** LEVEL 01 - FLOOR PLAN  
1/8" = 1'-0"

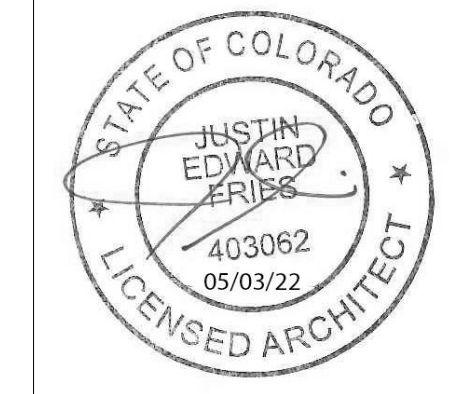
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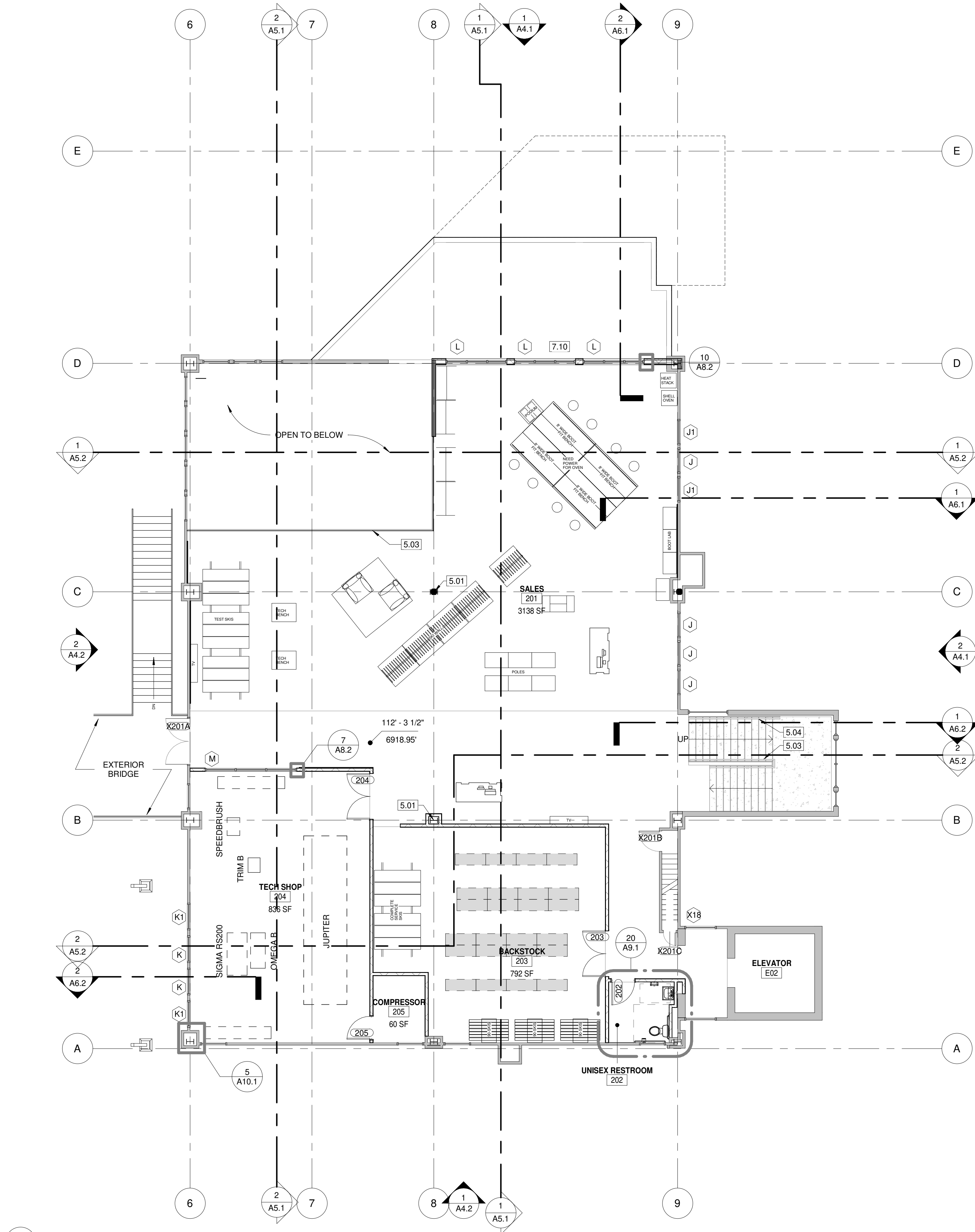
SHEET TITLE:

FLOOR PLAN

SHEET:

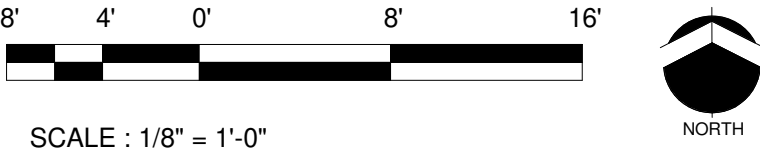
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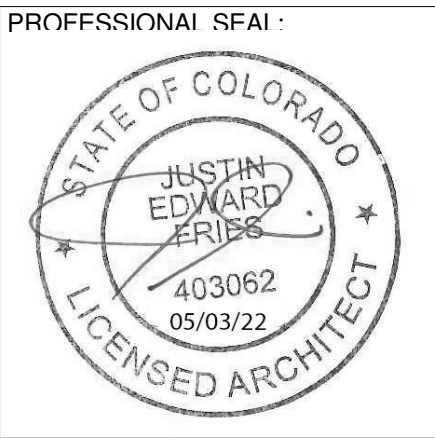


KEYNOTE LEGEND	
Key Value	Keynote Text
5.01	EXISTING STEEL COLUMN TO REMAIN
5.03	42" TALL STEEL GUARDRAIL WITH WIRE MESH INFILL PANELS, PAINT
5.04	1-1/2" STEEL HANDRAIL, PAINT
7.10	PATCH & REPAIR EXISTING MEMBRANE ROOF TO ACCOMMODATE NEW WORK

- FLOOR PLAN GENERAL NOTES:**
- DIMENSIONS ARE TO FACE OF STUD, CONCRETE, OR CMU UNO.
  - ALL DOORS TO BE LOCATED 4" FROM ADJACENT PARTITION WHERE DOOR IS INDICATED ADJACENT TO PARTITION UNO.
  - SEE REFERENCED ENLARGED PLANS, FOR FURTHER DETAILS AND LAYOUT.
  - REFER TO A8.1 FOR DOOR AND WINDOW SCHEDULE AND ELEVATIONS.
  - REFER TO ELEVATIONS FOR ADDITIONAL WINDOWS/WALL OPENING INFORMATION.
  - OPENINGS FOR DOORS, WINDOWS, LOUVERS, ETC MUST BE VERIFIED WITH MFR ROUGH OPENING REQUIREMENTS. ARCHITECTURAL DIMENSION PLANS ARE INTENDED TO LOCATE FEATURES OF THE BUILDING AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION COORDINATION DRAWINGS.

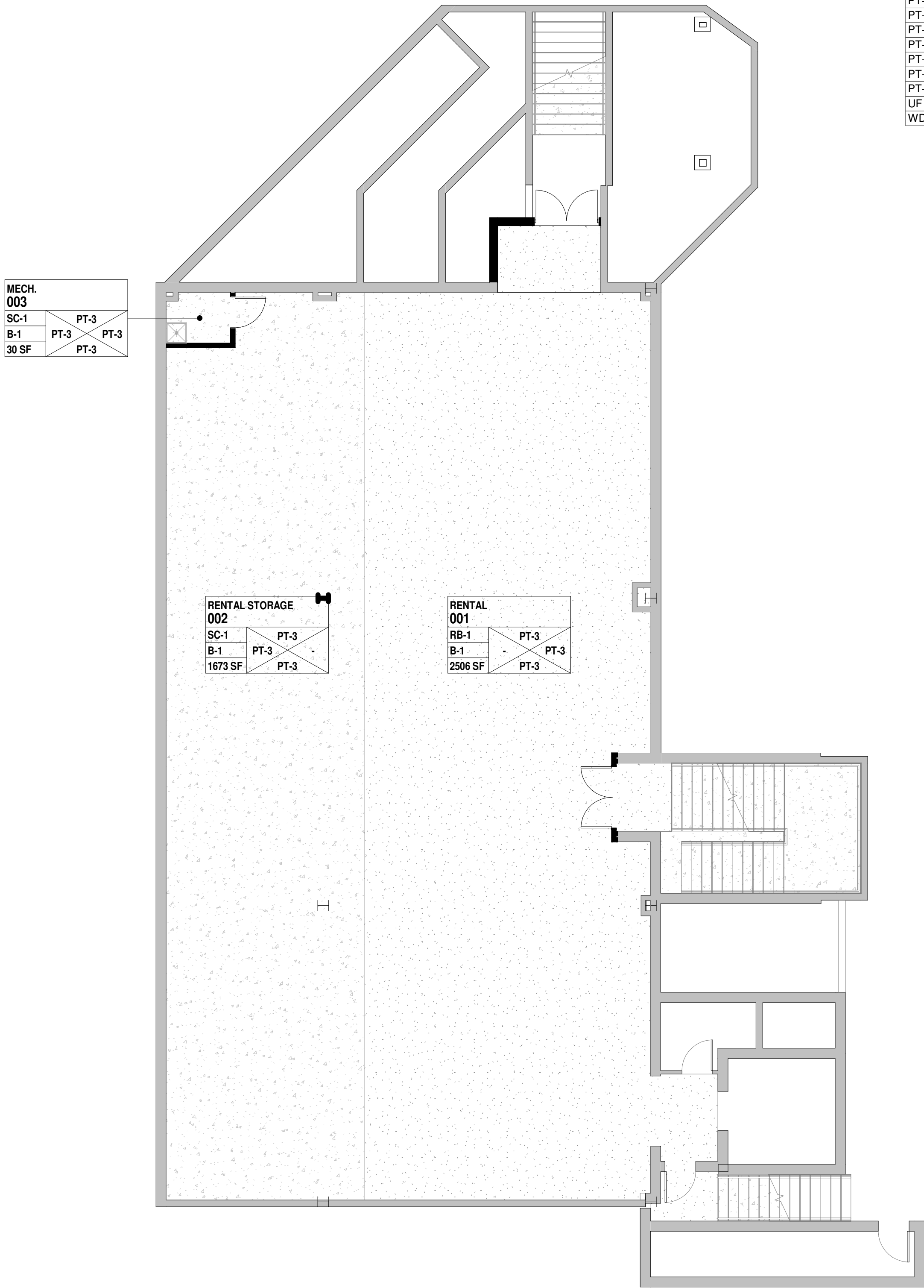


**1** LEVEL 02 - FLOOR PLAN  
1/8" = 1'-0"



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			21066	Author	JF	05/24/2022		FLOOR PLAN



FLOOR FINISH SCHEDULE				
Number	Description	Manufacturer	Specification	Comments
CPT-1	CARPET TILES	MOHAWK	UNCHARTED - RESTORE TILE - ATMOSPHERIC	
RB-1	RUBBER FLOORING	TBD	TBD	
SC-1	SEALED CONCRETE	TBD	TBD	

WALL & MILLWORK FINISH SCHEDULE			
Key	Description	Manufacturer	Specification
B-1	RUBBER WALL BASE	T.B.D.	T.B.D.
B-2	TRIM BOARD BASE	T.B.D.	1X6 TRIM
M	MIRROR	T.B.D.	MIN. 4'-0" X 7'-0"
P-1	WALL PANEL	T.B.D.	SLATE WALL PANEL
P-2	WALL PANEL	T.B.D.	INFILL WALL PANEL
PT-1	CEILING PAINT	T.B.D.	T.B.D.
PT-2	CEILING PAINT	T.B.D.	BLACK
PT-3	WALL PAINT TYP	SHERWIN WILLIAMS	SNOWBOUND
PT-4	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-5	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-6	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-7	METAL RAIL PAINT	T.B.D.	T.B.D.
PT-8	EXT. STEEL PAINT	T.B.D.	T.B.D.
PT-9	STAIN, BEAM	T.B.D.	T.B.D.
PT-10	STAIN, CEILING	T.B.D.	T.B.D.
UF	UNFINISHED	N/A	
WD-1	TRIM BOARD	T.B.D.	1X4 MDF TRIM

GENERAL FINISH NOTES:

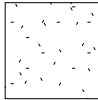
- REFER TO FINISH SCHEDULE ON THIS SHEET AND SPECIFICATIONS IN PROJECT MANUAL FOR DETAILED INFORMATION FOR EACH MATERIAL
- REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR TOILET ACCESSORIES AND ADDITIONAL DETAILS
- REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH REQUIREMENTS/ALIGNMENTS
- PAINTING SUBCONTRACTOR/FIELD SUPERVISOR TO CONFER WITH ARCHITECT AFTER PRIMING WALLS AND CEILING TO REVIEW FINAL FINISH LOCATIONS OF PAINT COLORS, WALL HUNG ARTWORK, SURFACE TREATMENTS, ETC
- COVE BASE SHALL BE USED AT ALL RESILIENT FLOORING LOCATIONS, USE ROLL GOODS ONLY, NO SEAM SHALL OCCUR WITHIN 6" OF OUTSIDE CORNER
- THE GENERAL CONTRACTOR SHALL SUBMIT TO ARCHITECT THE CARPET INSTALLERS SEAMING AND/OR INSTALLATION PLAN FOR REVIEW AND APPROVAL PRIOR TO INSTALLING CARPET
- PROVIDE PRIME COAT OF PAINT ONE SHADE LIGHTER THAN FINAL COAT, PROVIDE TWO COATS OF EGGSHELL LATEX PAINT ON ALL WALLS, UNO; REFER TO SPECIFICATIONS.
- ALL INTERIOR GYPSUM BOARD WALLS TO PAINTED PT-3, UNO.
- GYPSUM BOARD CEILING TO BE PAINTED PT-1, UNO.
- ARCHITECT WILL REVIEW ALTERNATES FOR REASONS OF PRODUCT AVAILABILITY, UNREASONABLE LEAD TIME, AND/OR OWNER-REQUESTED CHANGES, BUT RESERVES THE RIGHT TO REJECT ANY AND ALL PROPOSED ALTERNATES THAT DO NOT MEET THE DESIGN INTENT.
- CARPET TRANSITION TO OCCUR AT CENTER LINE OF DOOR UNO.
- USE SCHLUTER-SCHIENE FLOOR TRANSITIONS AT ALL FLOOR MATERIAL CHANGES. G.C. TO COORDINATE WITH FINAL MATERIAL THICKNESS. ALL TRANSITIONS MUST BE ADA COMPLIANT. FINISH: AKB
- AREAS NOTED UNFINISHED ARE TO RECEIVE GYPSUM BOARD AS INDICATED; SCREWED AND TAPED ONLY (OR AS REQUIRED TO MAINTAIN RATINGS)
- PROVIDE FLOOR FINISHES BELOW SINKS, COUNTERTOPS, CABINETS, AND OTHER OVERHANGING FEATURES TO MATCH ADJACENT FINISH

FINISH TAG KEY:

ROOM NAME ROOM NUMBER		
FLOOR	WALL1	W2
BASE	W4	W3
AREA	WALL3	

WALL FINISHES ARE INTENDED TO BE THE PRIMARY FINISH ON THE INDICATED WALL. THE WALL FINISH CORRESPONDS TO THE FINISH OF THE FACING WALL AS THOUGH THE TAG WERE INSERTED IN THE CENTER OF THE ROOM. REF: INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.

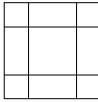
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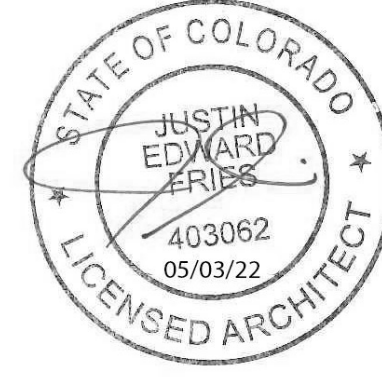
RUBBER FLOORING



SEALED CONCRETE

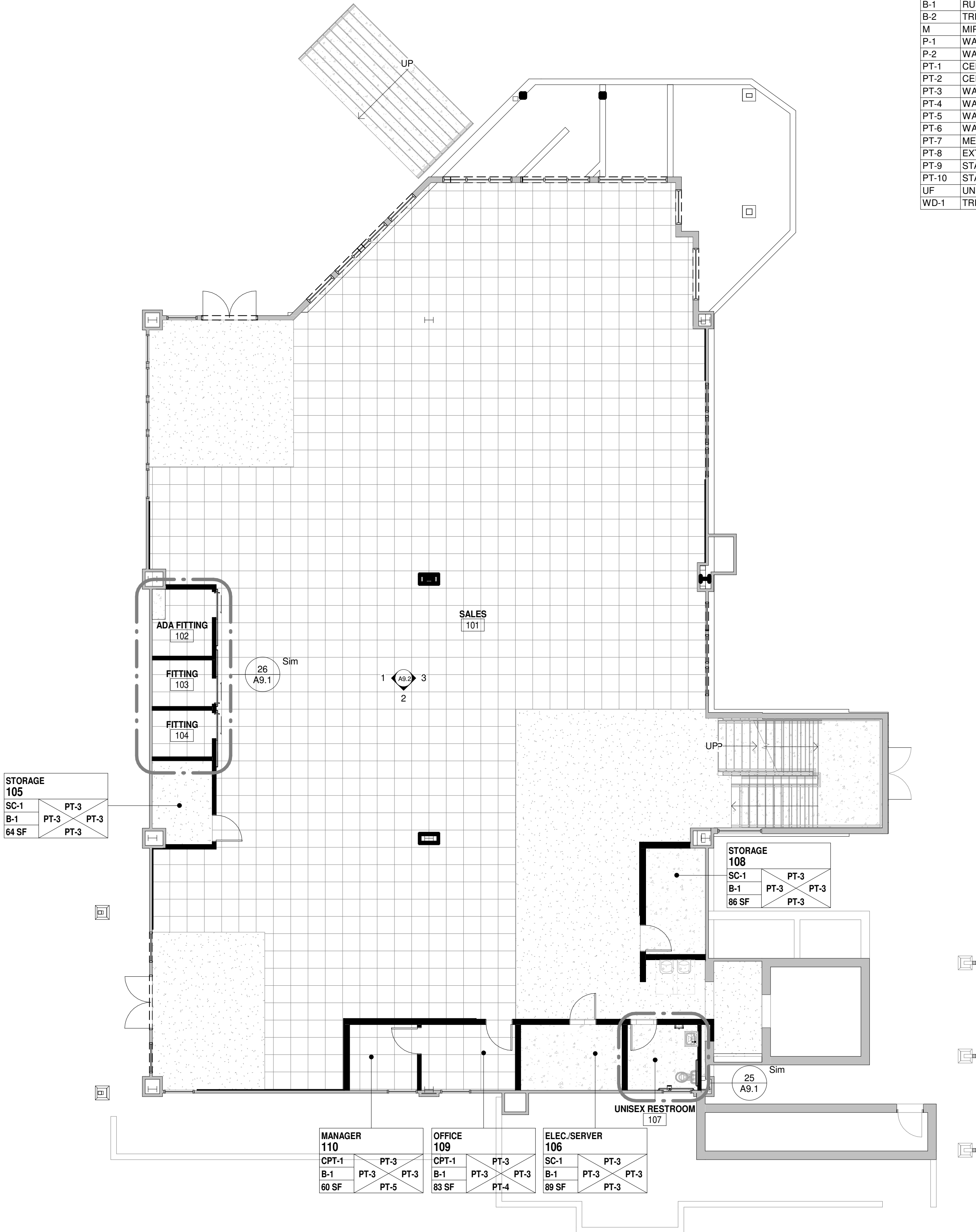


CARPET



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			21066	JEF/KAG	JF	05/24/2022	FINISH PLAN





FLOOR FINISH SCHEDULE				
Number	Description	Manufacturer	Specification	Comments
CPT-1	CARPET TILES	MOHAWK	UNCHARTED - RESTORE TILE - ATMOSPHERIC	
RB-1	RUBBER FLOORING	TBD	TBD	
SC-1	SEALED CONCRETE	TBD	TBD	

WALL & MILLWORK FINISH SCHEDULE			
Key	Description	Manufacturer	Specification
B-1	RUBBER WALL BASE	T.B.D.	T.B.D.
B-2	TRIM BOARD BASE	T.B.D.	1X6 TRIM
M	MIRROR	T.B.D.	MIN. 4'-0" X 7'-0"
P-1	WALL PANEL	T.B.D.	SLATE WALL PANEL
P-2	WALL PANEL	T.B.D.	INFILL WALL PANEL
PT-1	CEILING PAINT	T.B.D.	T.B.D.
PT-2	CEILING PAINT	T.B.D.	BLACK
PT-3	WALL PAINT TYP.	SHERWIN WILLIAMS	SNOWBOUND
PT-4	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-5	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-6	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-7	METAL RAIL PAINT	T.B.D.	T.B.D.
PT-8	EXT. STEEL PAINT	T.B.D.	T.B.D.
PT-9	STAIN, BEAM	T.B.D.	T.B.D.
PT-10	STAIN, CEILING	T.B.D.	T.B.D.
UF	UNFINISHED	N/A	
WD-1	TRIM BOARD	T.B.D.	1X4 MDF TRIM

### GENERAL FINISH NOTES:

- REFER TO FINISH SCHEDULE ON THIS SHEET AND SPECIFICATIONS IN PROJECT MANUAL FOR DETAILED INFORMATION FOR EACH MATERIAL
- REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR TOILET ACCESSORIES AND ADDITIONAL DETAILS
- REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH REQUIREMENTS/ALIGNMENTS
- PAINTING SUBCONTRACTOR/FIELD SUPERVISOR TO CONFER WITH ARCHITECT AFTER PRIMING WALLS AND CEILING TO REVIEW FINAL FINISH LOCATIONS OF PAINT COLORS, WALL HUNG ARTWORK, SURFACE TREATMENTS, ETC
- REFER TO INTERIOR ELEVATIONS FOR REASONS OF PRODUCT AVAILABILITY, UNREASONABLE LEAD TIME, AND/OR OWNER REQUESTED CHANGES, BUT RESERVES THE RIGHT TO REJECT ANY AND ALL PROPOSED ALTERNATES THAT DO NOT MEET THE DESIGN INTENT.
- CARPET TRANSITION TO OCCUR AT CENTER LINE OF DOOR UNO.
- USE SCHLUTER-SCHIENE FLOOR TRANSITIONS AT ALL FLOOR MATERIAL CHANGES. G.C. TO COORDINATE WITH FINAL MATERIAL THICKNESS. ALL TRANSITIONS MUST BE ADA COMPLIANT. FINISH: AKB
- AREAS NOTED UNFINISHED ARE TO RECEIVE GYPSUM BOARD AS INDICATED; SCREWED AND TAPED ONLY (OR AS REQUIRED TO MAINTAIN RATINGS)
- PROVIDE FLOOR FINISHES BELOW SINKS, COUNTERTOPS, CABINETS, AND OTHER OVERHANGING FEATURES TO MATCH ADJACENT FINISH

### FINISH TAG KEY:

ROOM NAME		ROOM NUMBER	
FLOOR	WALL	W4	W2
BASE	AREA	WALL3	

WALL FINISHES ARE INTENDED TO BE THE PRIMARY FINISH ON THE INDICATED WALL. THE WALL FINISH CORRESPONDS TO THE FINISH OF THE FACING WALL AS THOUGH THE TAG WERE INSERTED IN THE CENTER OF THE ROOM. REF: INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.

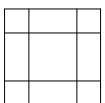
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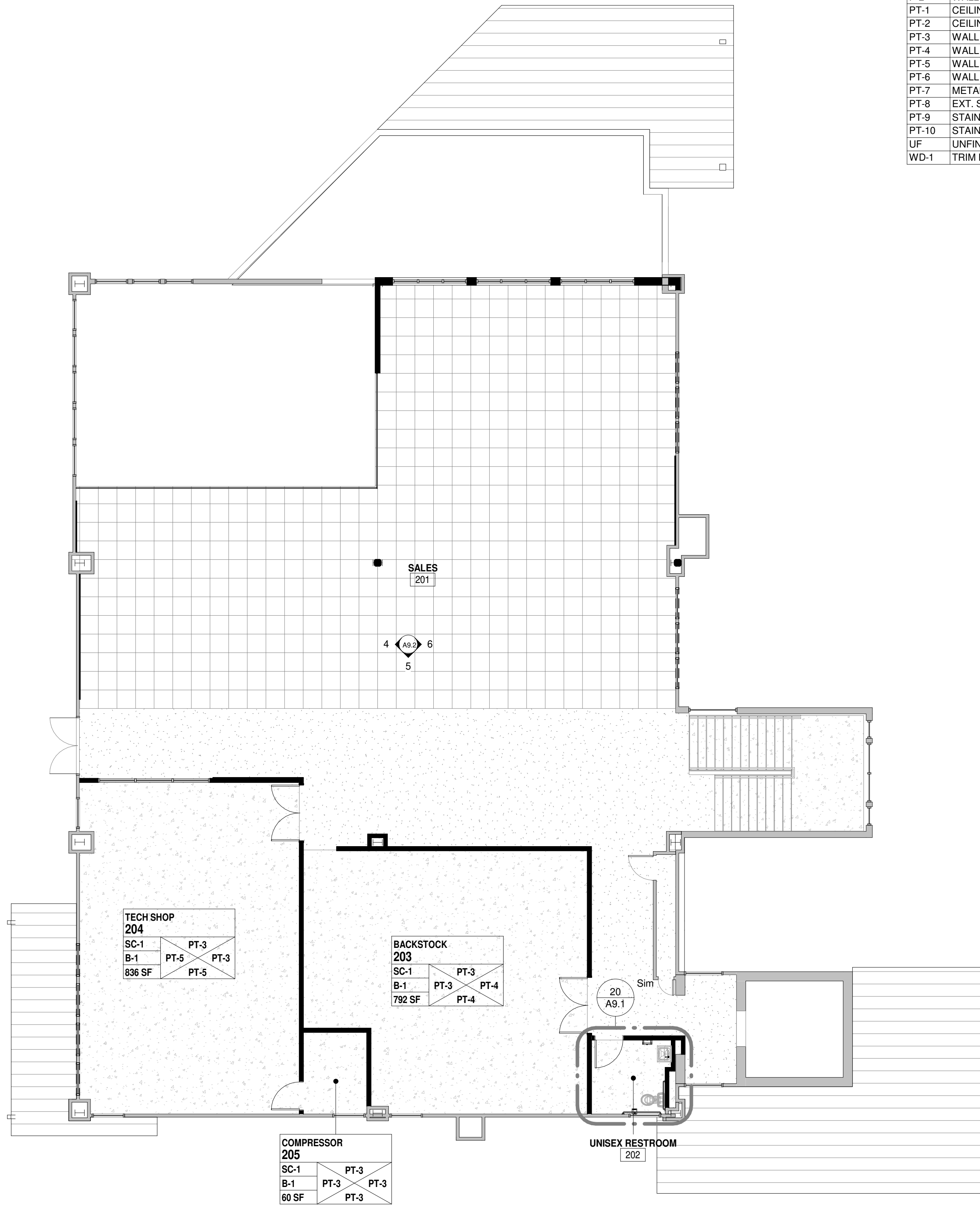
RUBBER FLOORING



SEALED CONCRETE



CARPET



FLOOR FINISH SCHEDULE				
Number	Description	Manufacturer	Specification	Comments
CPT-1	CARPET TILES	MOHAWK	UNCHARTED - RESTORE TILE - ATMOSPHERIC	
RB-1	RUBBER FLOORING	TBD	TBD	
SC-1	SEALED CONCRETE	TBD	TBD	

WALL & MILLWORK FINISH SCHEDULE			
Key	Description	Manufacturer	Specification
B-1	RUBBER WALL BASE	T.B.D.	T.B.D.
B-2	TRIM BOARD BASE	T.B.D.	1X6 TRIM
M	MIRROR	T.B.D.	MIN. 4'-0" X 7'-0"
P-1	WALL PANEL	T.B.D.	SLATE WALL PANEL
P-2	WALL PANEL	T.B.D.	INFILL WALL PANEL
PT-1	CEILING PAINT	T.B.D.	T.B.D.
PT-2	CEILING PAINT	T.B.D.	BLACK
PT-3	WALL PAINT TYP.	SHERWIN WILLIAMS	SNOWBOUND
PT-4	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-5	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-6	WALL PAINT ACCENT	T.B.D.	T.B.D.
PT-7	METAL RAIL PAINT	T.B.D.	T.B.D.
PT-8	EXT. STEEL PAINT	T.B.D.	T.B.D.
PT-9	STAIN, BEAM	T.B.D.	T.B.D.
PT-10	STAIN, CEILING	T.B.D.	T.B.D.
UF	UNFINISHED	N/A	
WD-1	TRIM BOARD	T.B.D.	1X4 MDF TRIM

### GENERAL FINISH NOTES:

- REFER TO FINISH SCHEDULE ON THIS SHEET AND SPECIFICATIONS IN PROJECT MANUAL FOR DETAILED INFORMATION FOR EACH MATERIAL
- REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR TOILET ACCESSORIES AND ADDITIONAL DETAILS
- REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH REQUIREMENTS/ALIGNMENTS
- PAINTING SUBCONTRACTOR/FIELD SUPERVISOR TO CONFER WITH ARCHITECT AFTER PRIMING WALLS AND CEILING TO REVIEW FINAL FINISH LOCATIONS OF PAINT COLORS, WALL HUNG ARTWORK, SURFACE TREATMENTS, ETC
- COVE BASE SHALL BE USED AT ALL RESILIENT FLOORING LOCATIONS, USE ROLL GOODS ONLY, NO SEAM SHALL OCCUR WITHIN 6" OF OUTSIDE CORNER
- THE GENERAL CONTRACTOR SHALL SUBMIT TO ARCHITECT THE CARPET INSTALLERS SEAMING AND/OR INSTALLATION PLAN FOR REVIEW AND APPROVAL PRIOR TO INSTALLING CARPET
- PROVIDE PRIME COAT OF PAINT ONE SHADE LIGHTER THAN FINAL COAT, PROVIDE TWO COATS OF EGGSHELL LATEX PAINT ON ALL WALLS, UNO; REFER TO SPECIFICATIONS.
- ALL INTERIOR GYPSUM BOARD WALLS TO PAINTED PT-3, UNO.
- GYPSUM BOARD CEILING TO BE PAINTED PT-1, UNO.
- ARCHITECT WILL REVIEW ALTERNATES FOR REASONS OF PRODUCT AVAILABILITY, UNREASONABLE LEAD TIME, AND/OR OWNER-REQUESTED CHANGES, BUT RESERVES THE RIGHT TO REJECT ANY AND ALL PROPOSED ALTERNATES THAT DO NOT MEET THE DESIGN INTENT.
- CARPET TRANSITION TO OCCUR AT CENTER LINE OF DOOR UNO.
- USE SCHLUTER-SCHIENE FLOOR TRANSITIONS AT ALL FLOOR MATERIAL CHANGES. G.C. TO COORDINATE WITH FINAL MATERIAL THICKNESS. ALL TRANSITIONS MUST BE ADA COMPLIANT. FINISH: AKB
- AREAS NOTED UNFINISHED ARE TO RECEIVE GYPSUM BOARD AS INDICATED; SCREWED AND TAPED ONLY (OR AS REQUIRED TO MAINTAIN RATINGS)
- PROVIDE FLOOR FINISHES BELOW SINKS, COUNTERTOPS, CABINETS, AND OTHER OVERHANGING FEATURES TO MATCH ADJACENT FINISH

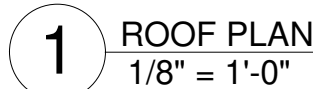
### FINISH TAG KEY:

ROOM NAME	ROOM NUMBER	WALL 1	WALL 2
FLOOR	FLOOR	W4	W2
BASE	BASE	W4	W2
AREA	AREA	W4	W2

### FLOOR FINISH LEGEND:

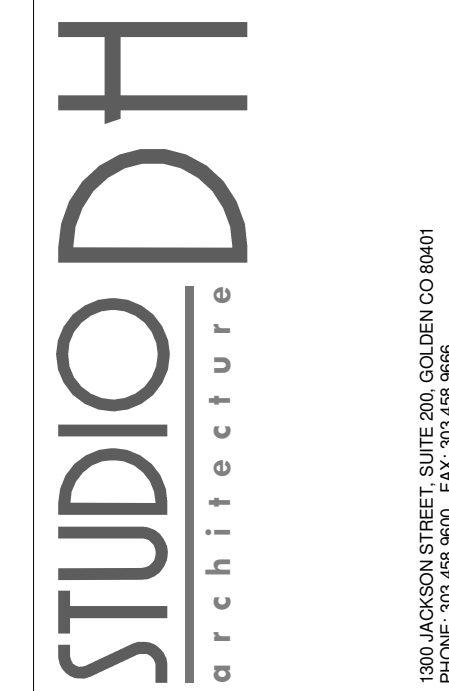
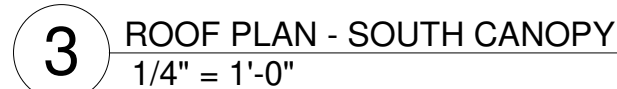
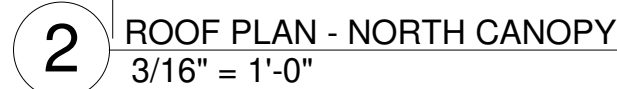
	RUBBER FLOORING
	SEALED CONCRETE
	CARPET





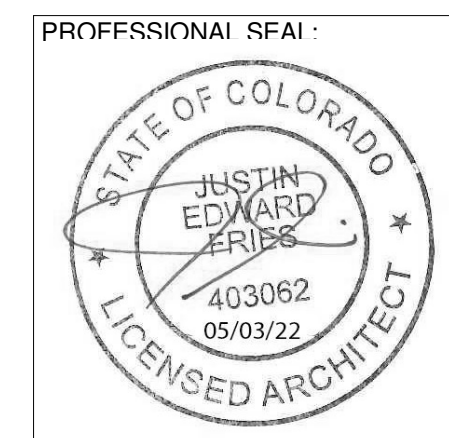
**ROOF PLAN GENERAL NOTES:**

1. VERIFY ALL ROOF SLOPES, TOP OF STEEL HEIGHTS, AND STRUCTURAL CONDITIONS WITH STRUCTURAL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
2. ROOF ELEVATION INDICATED ON ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. AS THE THICKNESS/VALUE OF THE ROOF AND HEIGHT OF STRUCTURE AS SPECIFIED WILL DIFFER FROM THE ACTUAL ROOF ELEVATIONS.
3. NOT ALL ROOF PENETRATIONS ARE INDICATED ON THE ARCHITECTURAL ROOF PLAN. VERIFY ALL ROOF PENETRATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AS REQUIRED.
4. ROOF PENETRATIONS SHALL BE FLASHED AND/OR UTILIZE MANUFACTURED ROOFS AS TO PROVIDE WEATHER TIGHT SEAL.
5. SELECTED DETAILS HAVE BEEN CALLED OUT ON ROOF PLANS FOR CLARITY. THE ROOF DETAILS, WALL SECTIONS, PROJECT SPECIFICATIONS, AND MFR / WARRANTY REQ SHALL DEFINE THE FULL EXTENT OF ROOF DESIGN.



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SHEET:

A2.30

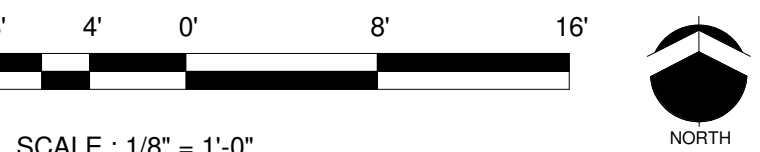
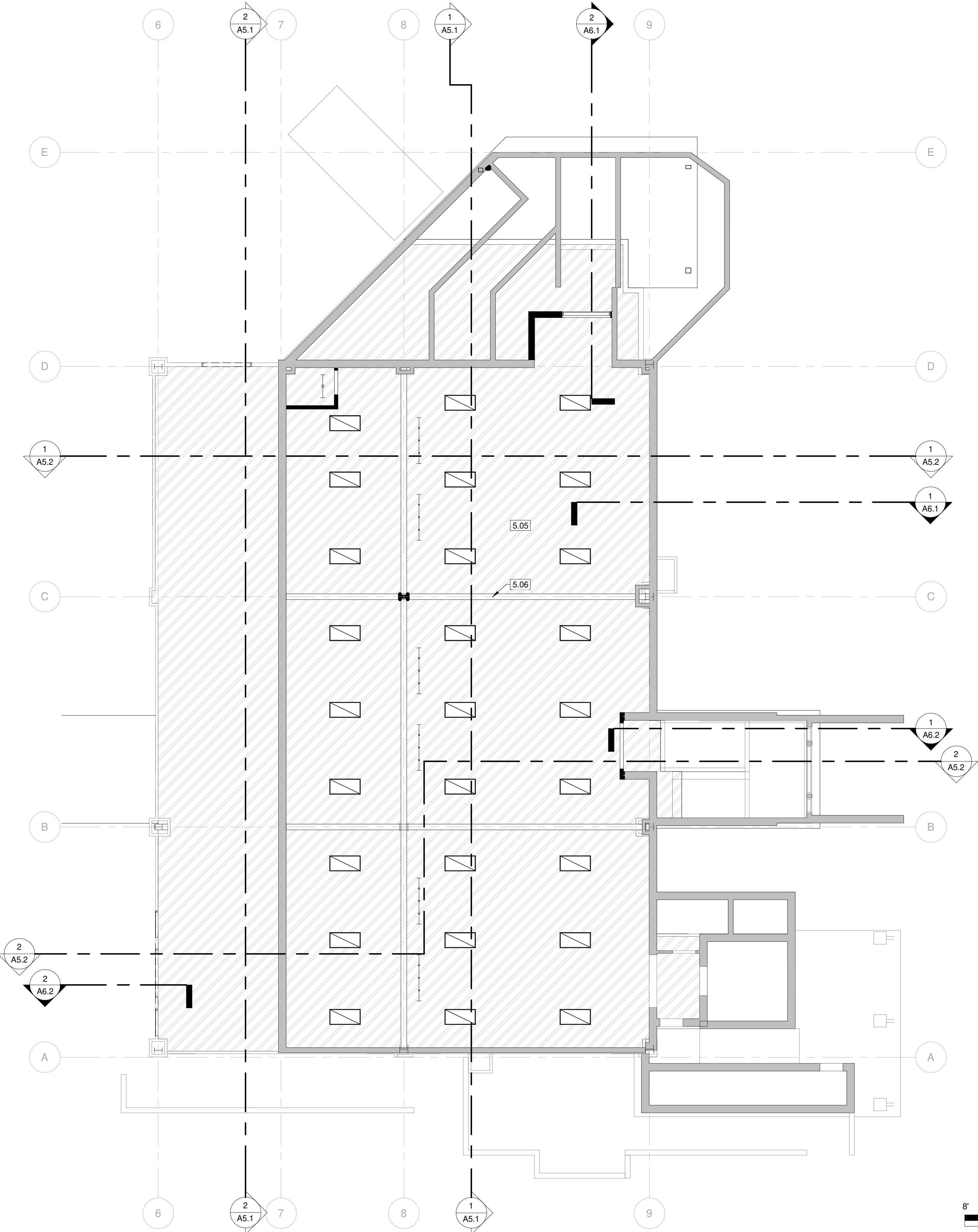
KEYNOTE LEGEND	
Key Value	Keynote Text
5.05	EXPOSED METAL DECK, PAINT
5.06	EXISTING STEEL BEAM, PAINT

REFLECTED CEILING PLAN GENERAL NOTES:

1. LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECS AND LOCATIONS.
2. REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS AND RETURN GRILLES.
3. COORDINATE LAYOUT OF LIGHTING FIXTURES WITH HVAC CONTRATOR.
4. ALL DOWNLIGHTS AND WALL WASHERS TO BE CENTERED IN ACOUSTICAL TILE, OR CENTERED IN A SEGMENT OF AN EMBOSSED ACOUSTIC TILE IN BOTH DIRECTIONS UNO.
5. ALL ACT TO BE CENTERED IN ROOM UNO. SEE REFLECTED PLAN FOR LAYOUT AND LOCATION.
6. REMOTELY LOCATE ALL DEVICES, JUNCTION BOXES, HVAC CONTROLS AND SHUT OFF VALVES IN AREAS TO RECEIVE DRYWALL CEILINGS.
7. FOR WALL SCONCE HEIGHTS AND LAYOUT SEE ELECTRICAL DRAWINGS AND INTERIOR & EXTERIOR ELEVATIONS.
8. VERIFY THAT ALL LIGHT FIXTURE MFGR'S MOUNTING REQUIREMENTS (I.E. HEIGHTS, CONCEALED TRANSFORMER LOCATIONS) CAN BE INSTALLED WITHIN ACTUAL CONSTRUCTION PRIOR TO ORDERING LIGHT FIXTURES, NOTIFY ARCHITECT FOR CLARIFICATION OF DISCREPANCIES.
9. GYP BD CEILINGS & SOFFITS TO BE PAINTED UNO.
10. ACCESS PANELS ARE TO BE PROVIDED AS NEEDED FOR MAINTENANCE. FINISH TO MATCH ADJACENT WALL.

LIGHT FIXTURE LEGEND:

- 2X2 TROFFER
- PENDANT
- RECESSED CAN LIGHT
- VANITY LIGHT
- 2X4 TROFFER
- HVAC 2X2 DIFFUSER



1 LEVEL 00 - REFLECTED CEILING PLAN  
1/8" = 1'-0"

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			21066	XXX	JF	05/24/2022		REFLECTED CEILING PLAN

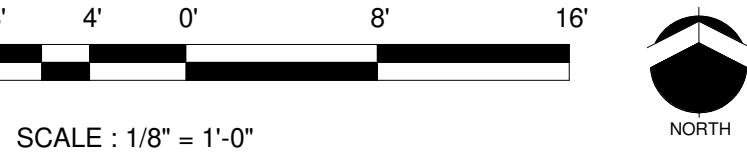
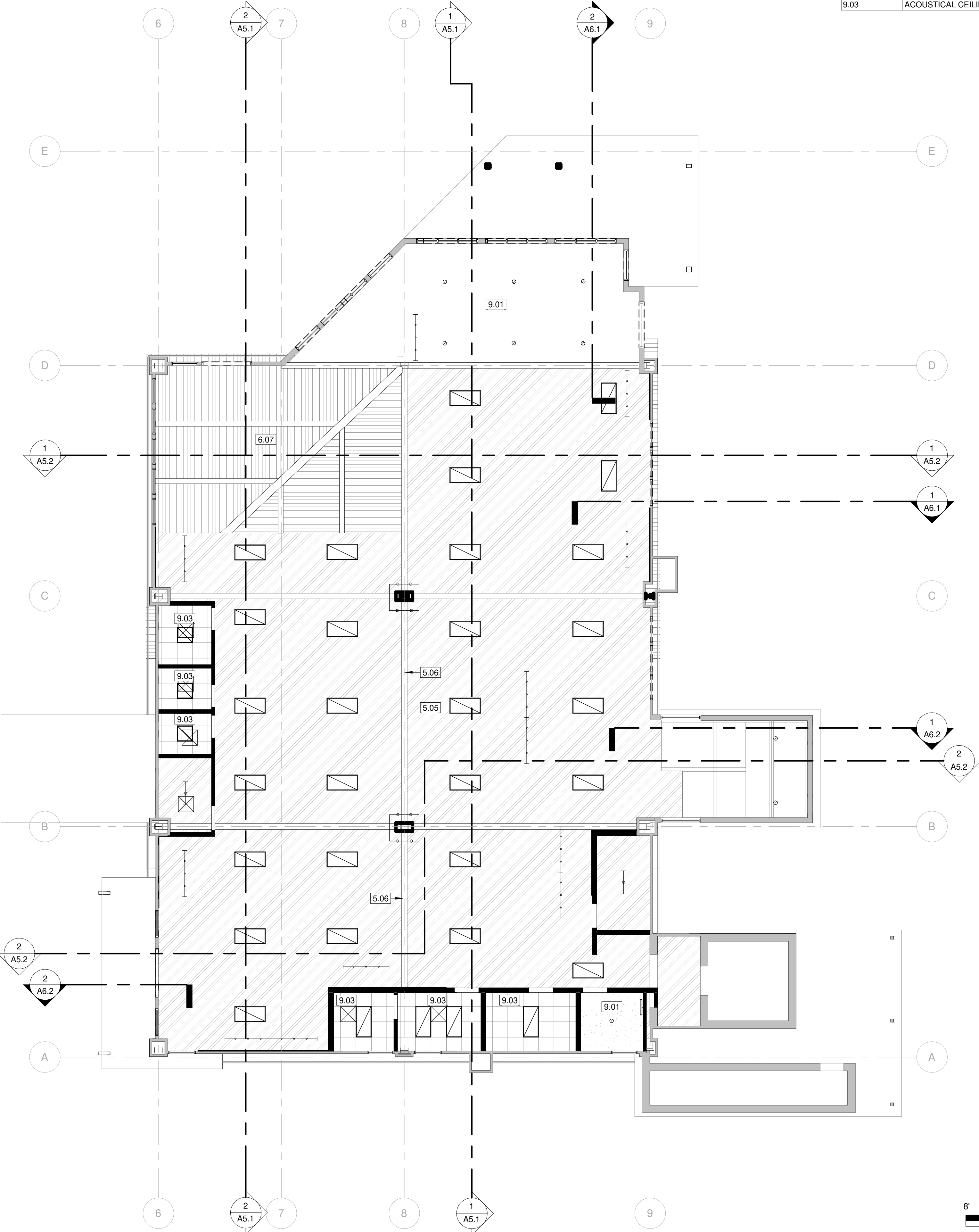
KEYNOTE LEGEND	
Key Value	Keynote Text
5.05	EXPOSED METAL DECK, PAINT
5.06	EXISTING STEEL BEAM, PAINT
6.07	EXISTING T&G WOOD CEILING, PAINT
9.01	GYP. BD., PAINT
9.03	ACOUSTICAL CEILING TILE, RE: REFLECTED CEILING PLANS

REFLECTED CEILING PLAN GENERAL NOTES:

1. LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECS AND LOCATIONS.
2. REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS AND RETURN GRILLES.
3. COORDINATE LAYOUT OF LIGHTING FIXTURES WITH HVAC CONTRATOR.
4. ALL DOWNLIGHTS AND WALL WASHERS TO BE CENTERED IN ACOUSTICAL TILE, OR CENTERED IN A SEGMENT OF AN EMBOSSED ACOUSTIC TILE IN BOTH DIRECTIONS UNO.
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7. FOR WALL SCONCE HEIGHTS AND LAYOUT SEE ELECTRICAL DRAWINGS AND INTERIOR & EXTERIOR ELEVATIONS.
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9. GYP BD CEILINGS & SOFFITS TO BE PAINTED UNO.
10. ACCESS PANELS ARE TO BE PROVIDED AS NEEDED FOR MAINTENANCE. FINISH TO MATCH ADJACENT WALL.

LIGHT FIXTURE LEGEND:

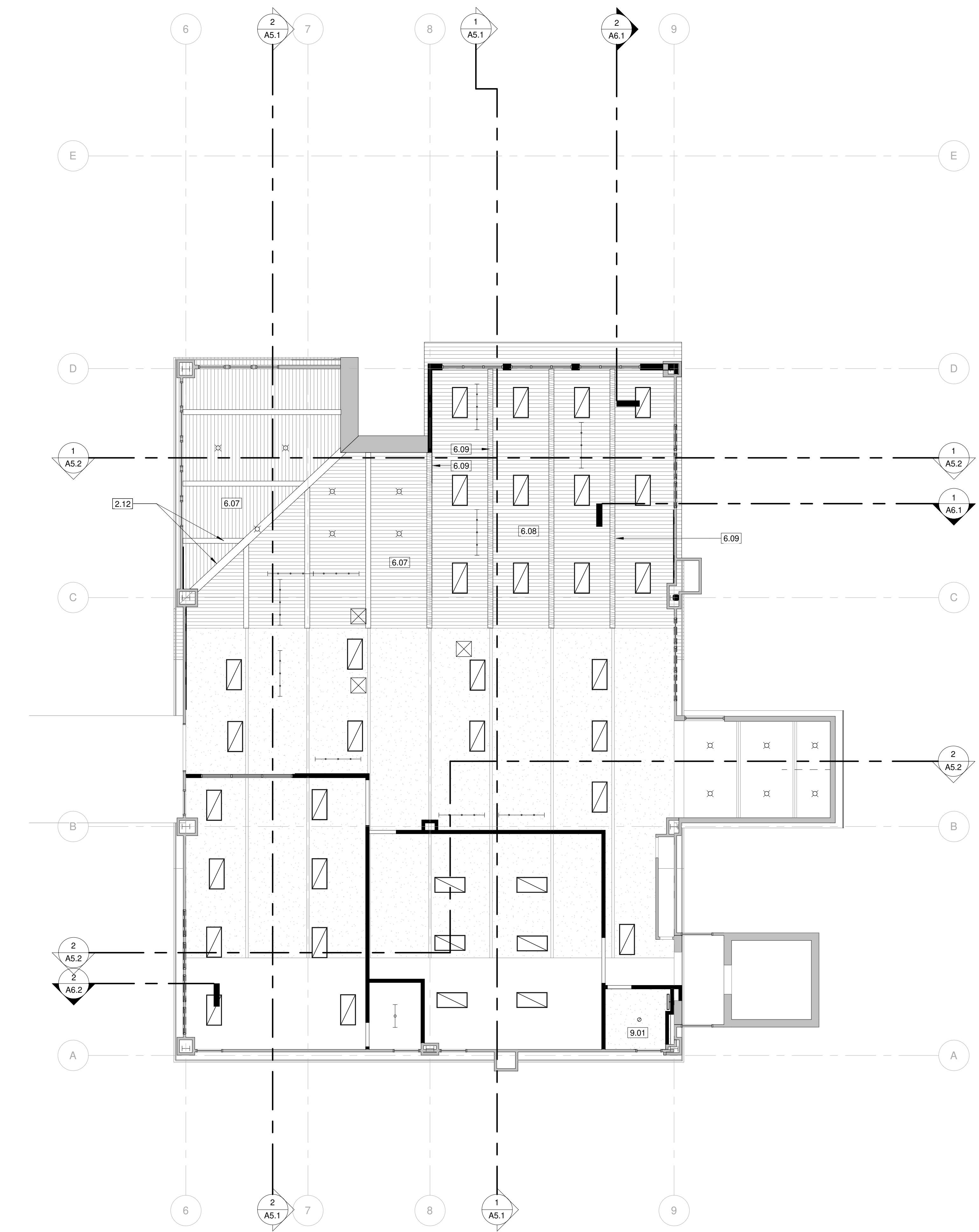
- 2X2 TROFFER
- PENDANT
- RECESSED CAN LIGHT
- VANITY LIGHT
- 2X4 TROFFER
- HVAC 2X2 DIFFUSER



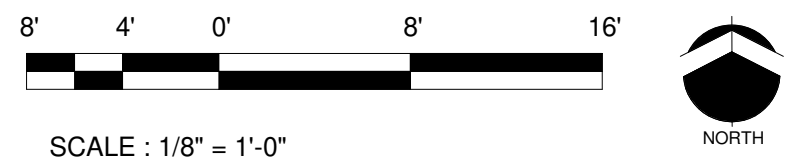
1 LEVEL 01 - REFLECTED CEILING PLAN  
1/8" = 1'-0"

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1 LEVEL 02 - REFLECTED CEILING PLAN  
1/8" = 1'-0"



KEYNOTE LEGEND	
Key Value	Keynote Text
2.12	EXISTING GLULAM WOOD BEAM TO REMAIN
6.07	EXISTING T&G WOOD CEILING, PAINT
6.08	2X TONGUE & GROOVE WOOD DECKING TO MATCH EXISTING, PAINT
6.09	GLULAM WOOD BEAM, RE: STRUCT. DWGS. STAIN TO MATCH EXISTING
9.01	GYP. BD., PAINT

### REFLECTED CEILING PLAN GENERAL NOTES:

1. LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECS AND LOCATIONS.
2. REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS AND RETURN GRILLES.
3. COORDINATE LAYOUT OF LIGHTING FIXTURES WITH HVAC CONTRATOR.
4. ALL DOWNLIGHTS AND WALL WASHERS TO BE CENTERED IN ACOUSTICAL TILE, OR CENTERED IN A SEGMENT OF AN EMBOSSED ACOUSTIC TILE IN BOTH DIRECTIONS UNO.
5. ALL ACT TO BE CENTERED IN ROOM UNO. SEE REFLECTED PLAN FOR LAYOUT AND LOCATION.
6. REMOTELY LOCATE ALL DEVICES, JUNCTION BOXES, HVAC CONTROLS AND SHUT OFF VALVES IN AREAS TO RECEIVE DRYWALL CEILINGS.
7. FOR WALL SCONCE HEIGHTS AND LAYOUT SEE ELECTRICAL DRAWINGS AND INTERIOR & EXTERIOR ELEVATIONS.
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9. GYP BD CEILINGS & SOFFITS TO BE PAINTED UNO.
10. ACCESS PANELS ARE TO BE PROVIDED AS NEEDED FOR MAINTENANCE. FINISH TO MATCH ADJACENT WALL.

### LIGHT FIXTURE LEGEND:

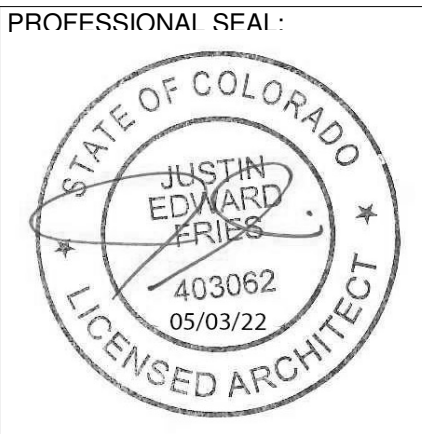
- 2X2 TROFFER
- PENDANT
- RECESSED CAN LIGHT
- VANITY LIGHT
- 2X4 TROFFER
- HVAC 2X2 DIFFUSER

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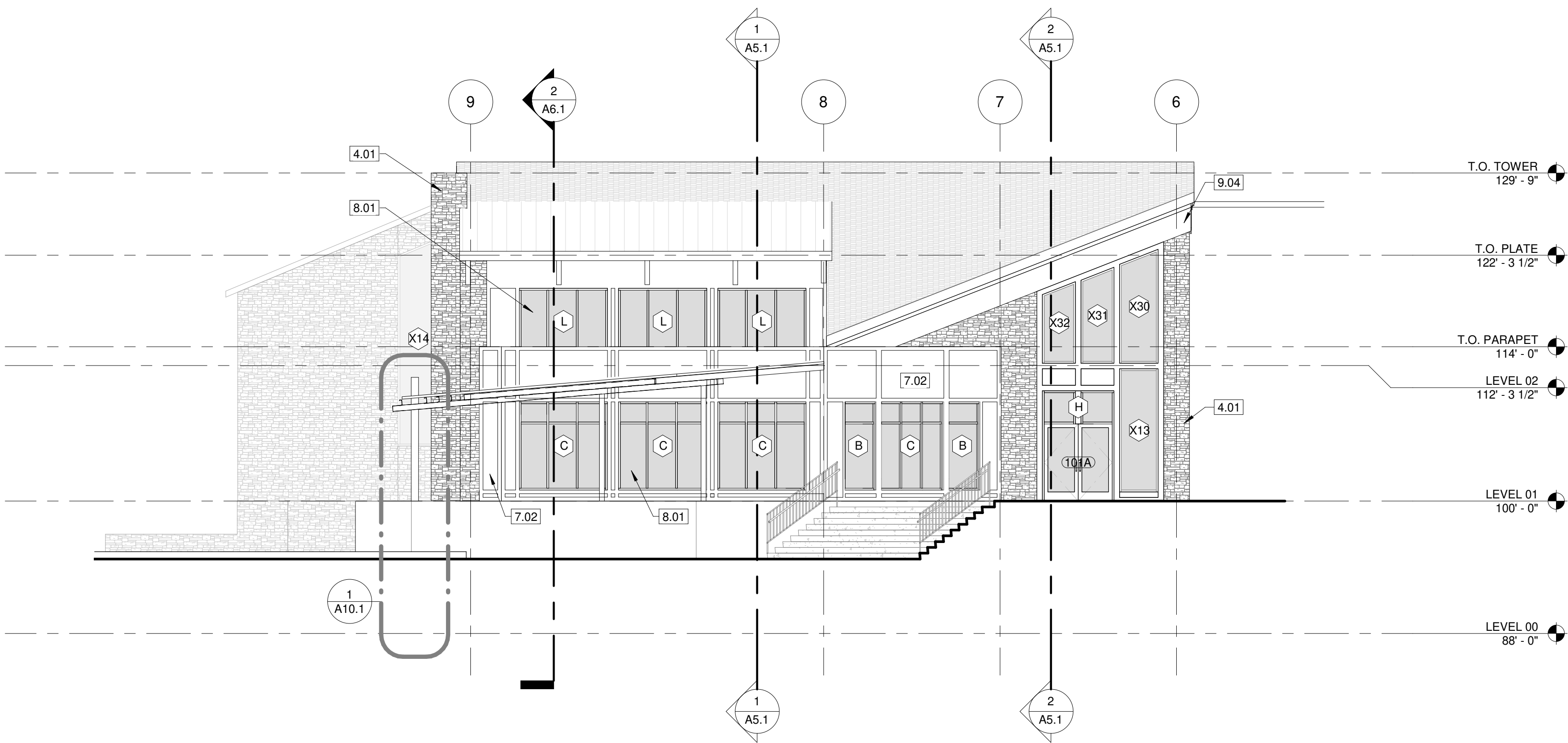


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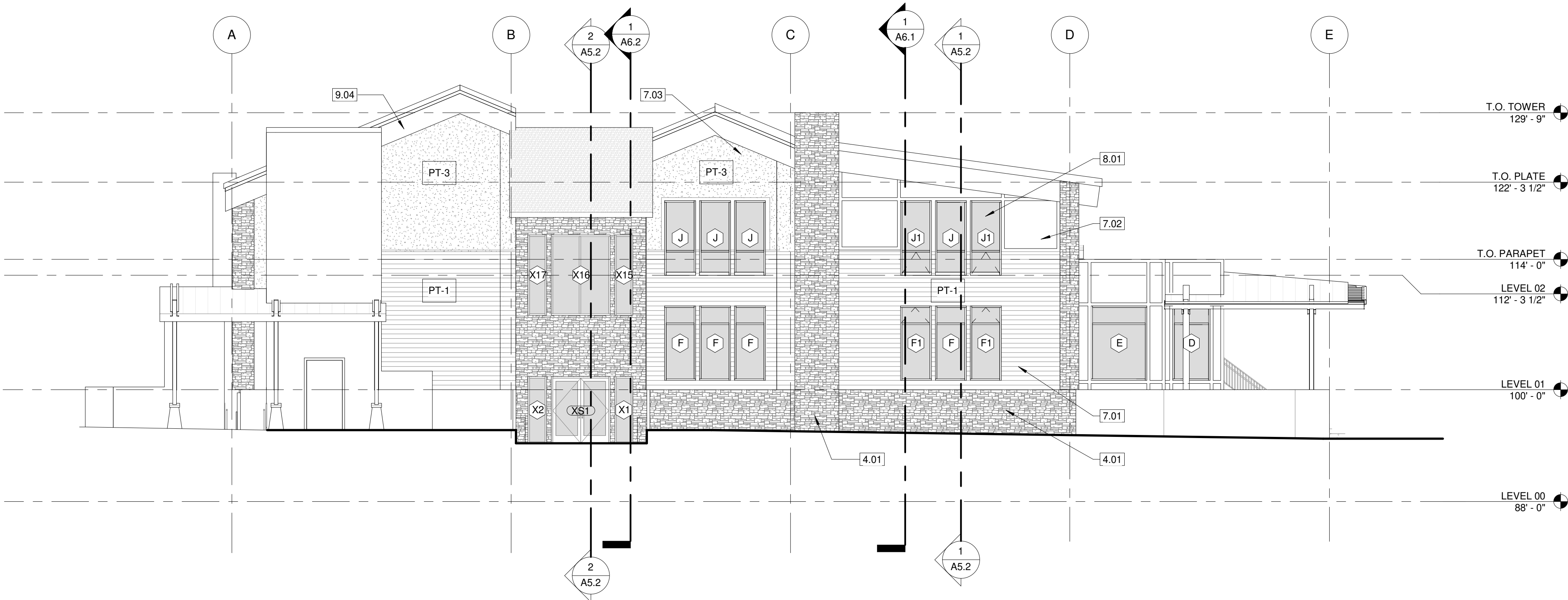
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SHEET:  
A3.13





1 NORTH ELEVATION  
1/8" = 1'-0"



2 EAST ELEVATION  
1/8" = 1'-0"

## BUILDING ELEVATIONS GENERAL NOTES:

- REFER TO FLOOR PLANS FOR DIMENSIONS AND LOCATIONS OF OPENINGS.
- REFER TO A8.1 FOR DOOR AND WINDOW SCHEDULE AND ELEVATIONS.
- OPENINGS FOR DOORS, WINDOWS, LOUVERS, ETC MUST BE VERIFIED WITH MFR ROUGH OPENING REQUIREMENTS. ARCHITECTURAL DIMENSION PLANS ARE INTENDED TO LOCATE FEATURES OF THE BUILDING AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION COORDINATION DRAWINGS.

KEYNOTE LEGEND	
Key Value	Keynote Text
4.01	NEW SUNSET STONE ADHERED STONE VENEER SYSTEM, COLOR: FIELD STONE, MATCH EXISTING
7.01	6" FIBER CEMENT LAP SIDING ON EXISTING SHEATHING, PAINT
7.02	BOARD AND 4" BATTEN FIBER CEMENT PANEL SIDING ON EXISTING SHEATHING, PAINT: PT-2
7.03	EXISTING STUCCO, REPAIR DAMAGED AREAS
8.01	ALUMINUM STOREFRONT WITH 1" INSULATED GLAZING, COLOR: DARK BRONZE ANODIZED
9.04	PAINT EXISTING TRIM; COLOR: PT-2



## EXTERIOR BUILDING MATERIAL:

TOTAL AREA:	9,562 SF
GLASS:	2,354 SF (24.6%)
STONE:	2,078 SF (21.7%)
PRIMARY WALL:	2,105 SF (22.0%)
ACCENT WALL:	2,835 SF (29.6%)

NORTH ELEVATION:	1,933 SF
TOTAL:	796 SF (41.2%)
GLASS:	596 SF (30.8%)
STONE:	0 SF
PRIMARY WALL:	541 SF (28.0%)
ACCENT WALL:	541 SF (28.0%)

EAST ELEVATION:	2,736 SF
TOTAL:	482 SF (17.6%)
GLASS:	609 SF (22.3%)
STONE:	663 SF (24.2%)
PRIMARY WALL:	982 SF (35.9%)
ACCENT WALL:	982 SF (35.9%)

SOUTH ELEVATION:	2,105 SF
TOTAL:	165 SF (7.8%)
GLASS:	648 SF (30.8%)
STONE:	714 SF (33.9%)
PRIMARY WALL:	578 SF (27.5%)
ACCENT WALL:	578 SF (27.5%)

WEST ELEVATION:	2,471 SF
TOTAL:	783 SF (31.7%)
GLASS:	226 SF (9.1%)
STONE:	728 SF (29.5%)
PRIMARY WALL:	734 SF (29.7%)
ACCENT WALL:	734 SF (29.7%)

## NW ELEVATION (OBLIQUE AT EXTERIOR STAIR):

TOTAL:	318 SF
GLASS:	128 SF (40.3%)
STONE:	0 SF (0%)
PRIMARY WALL:	0 SF (0%)
ACCENT WALL:	190 SF (59.7%)

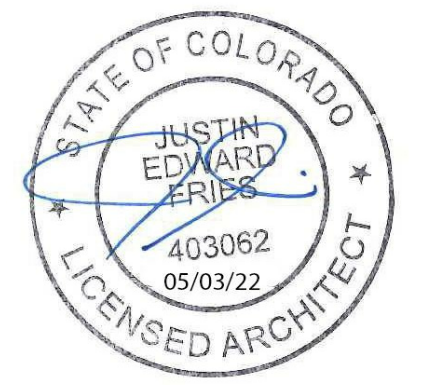
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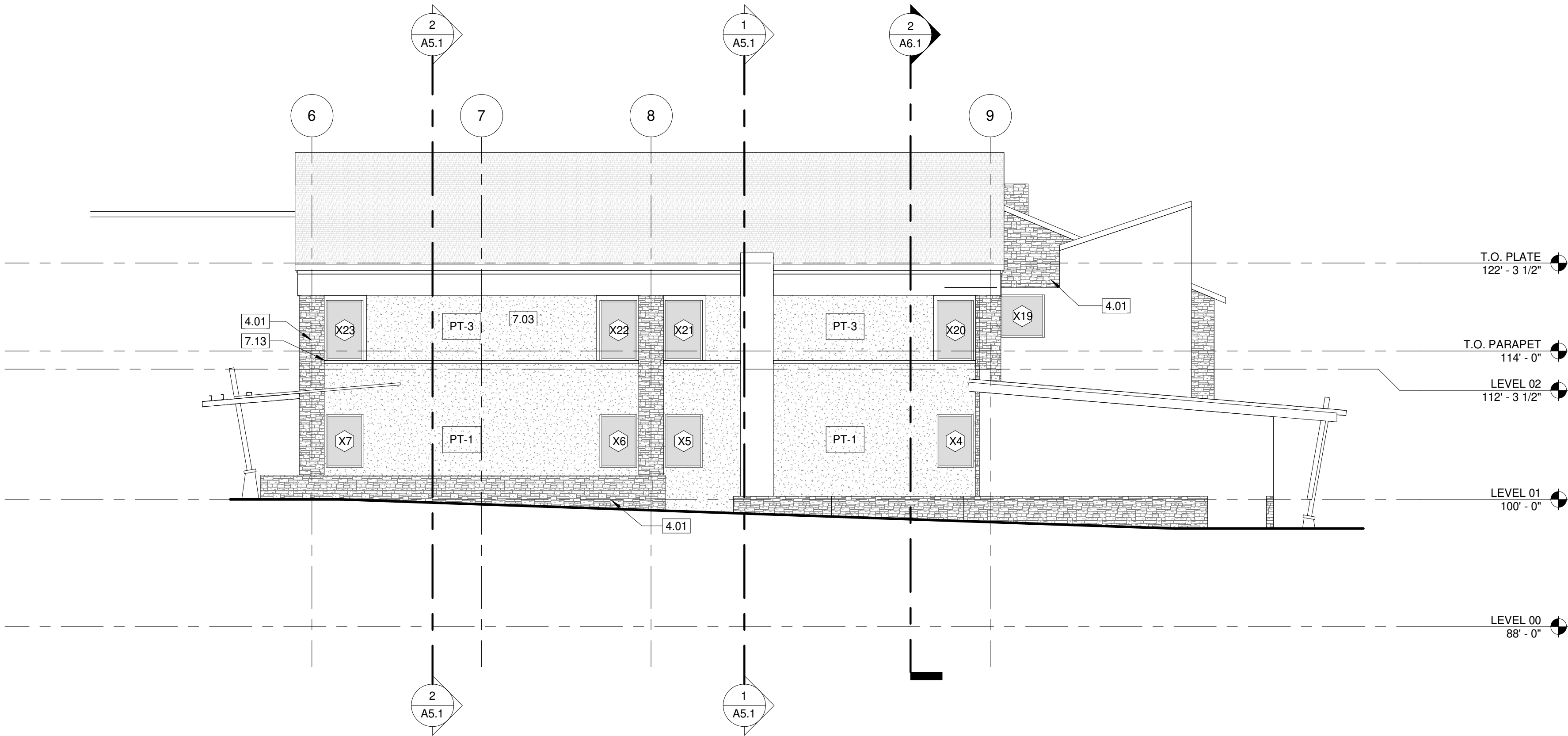


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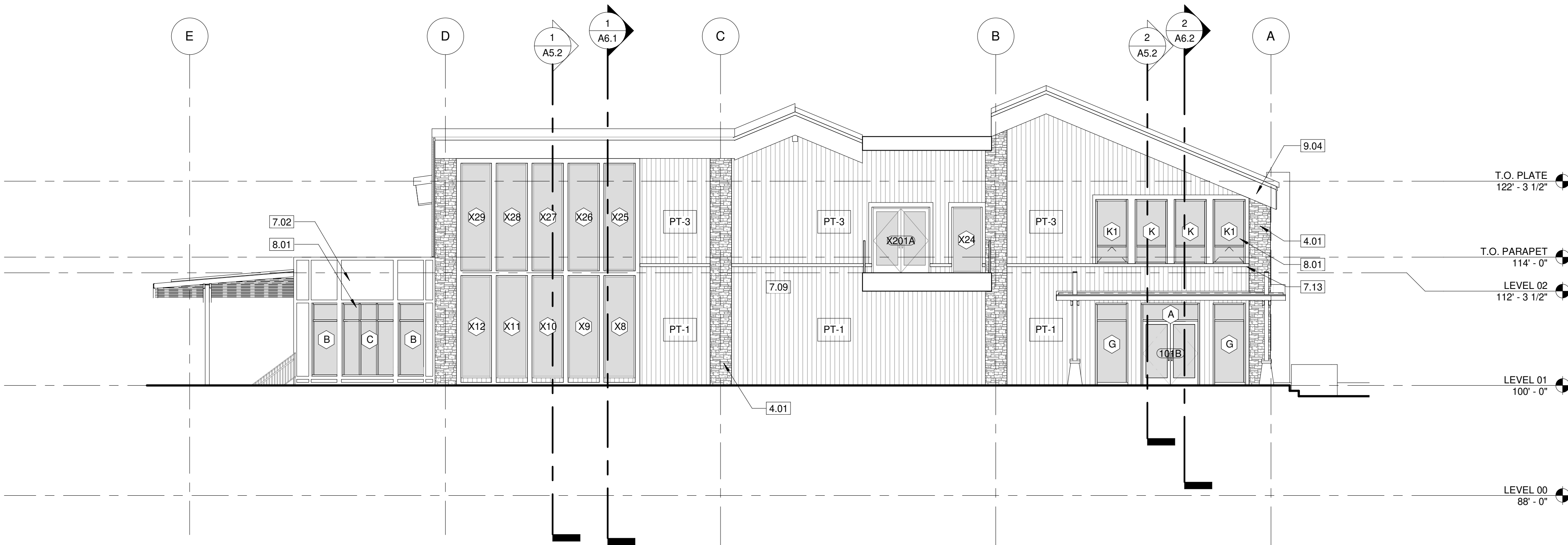
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			21066	KG	JF	05/24/2022	EXTERIOR ELEVATIONS

SHEET:  
A4.1





1 SOUTH ELEVATION  
1/8" = 1'-0"



2 WEST ELEVATION  
1/8" = 1'-0"

### BUILDING ELEVATIONS GENERAL NOTES:

- REFER TO FLOOR PLANS FOR DIMENSIONS AND LOCATIONS OF OPENINGS.
- REFER TO A8.1 FOR DOOR AND WINDOW SCHEDULE AND ELEVATIONS.
- OPENINGS FOR DOORS, WINDOWS, LOUVERS, ETC MUST BE VERIFIED WITH MFR ROUGH OPENING REQUIREMENTS. ARCHITECTURAL DIMENSION PLANS ARE INTENDED TO LOCATE FEATURES OF THE BUILDING AND ARE NOT INTENDED TO BE USED AS CONSTRUCTION COORDINATION DRAWINGS.

KEYNOTE LEGEND	
Key Value	Keynote Text
4.01	NEW SUNSET STONE ADHERED STONE VENEER SYSTEM, COLOR: FIELD STONE, MATCH EXISTING
7.02	BOARD AND 4" BATTEN FIBER CEMENT PANEL SIDING ON EXISTING SHEATHING, PAINT: PT-2
7.03	EXISTING STUCCO, REPAIR DAMAGED AREAS
7.09	EXISTING VERTICAL SIDING
7.13	FIBER CEMENT TRIM, PAINT: PT-2
8.01	ALUMINUM STOREFRONT WITH 1" INSULATED GLAZING, COLOR: DARK BRONZE ANODIZED
9.04	PAINT EXISTING TRIM; COLOR: PT-2



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SHEET TITLE:

BUILDING SECTION

SHEET:

## A5.1





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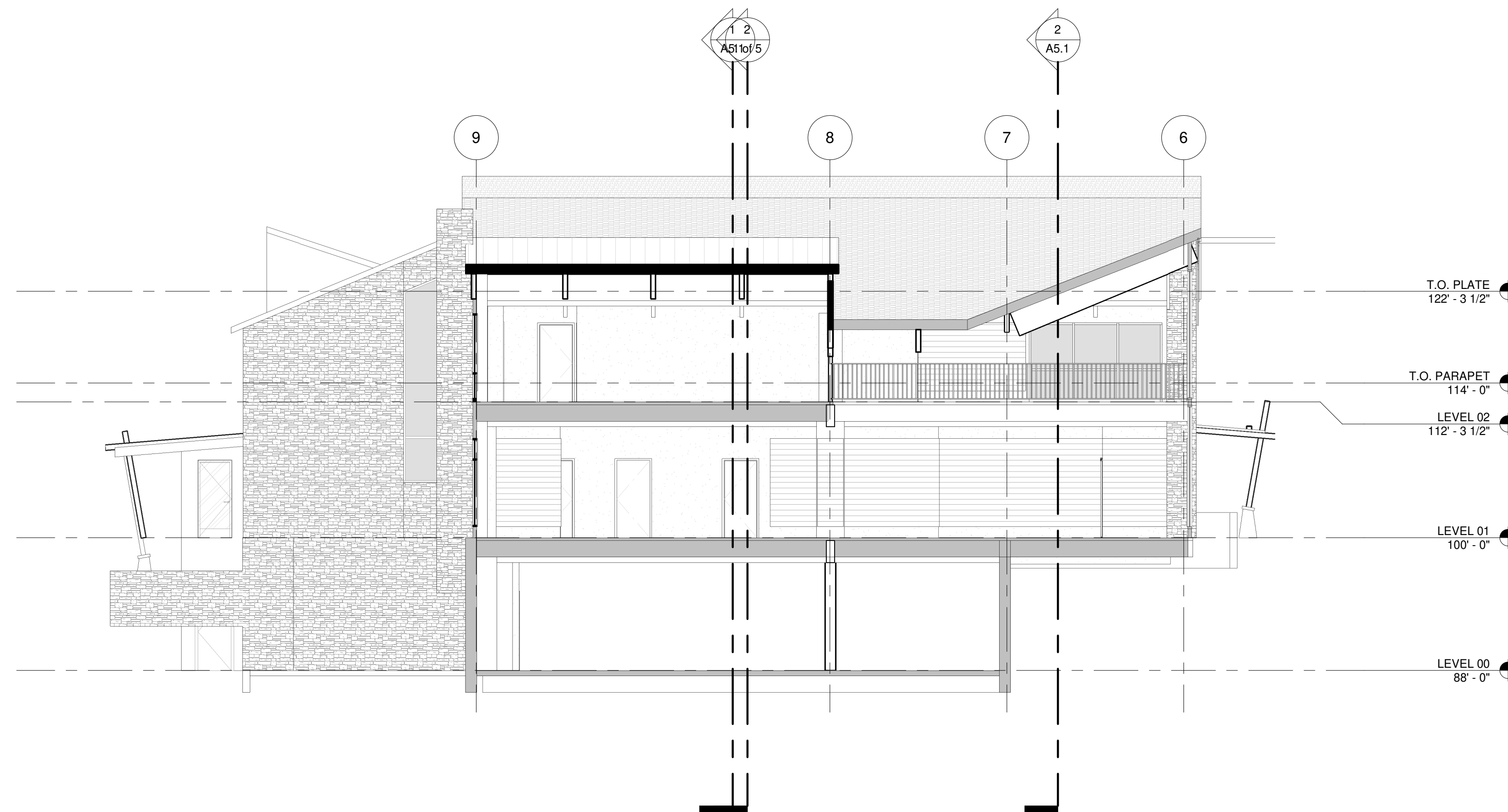
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JUSTIN EDWARD FRIES  
403062  
05/03/22  
LICENSED ARCHITECT

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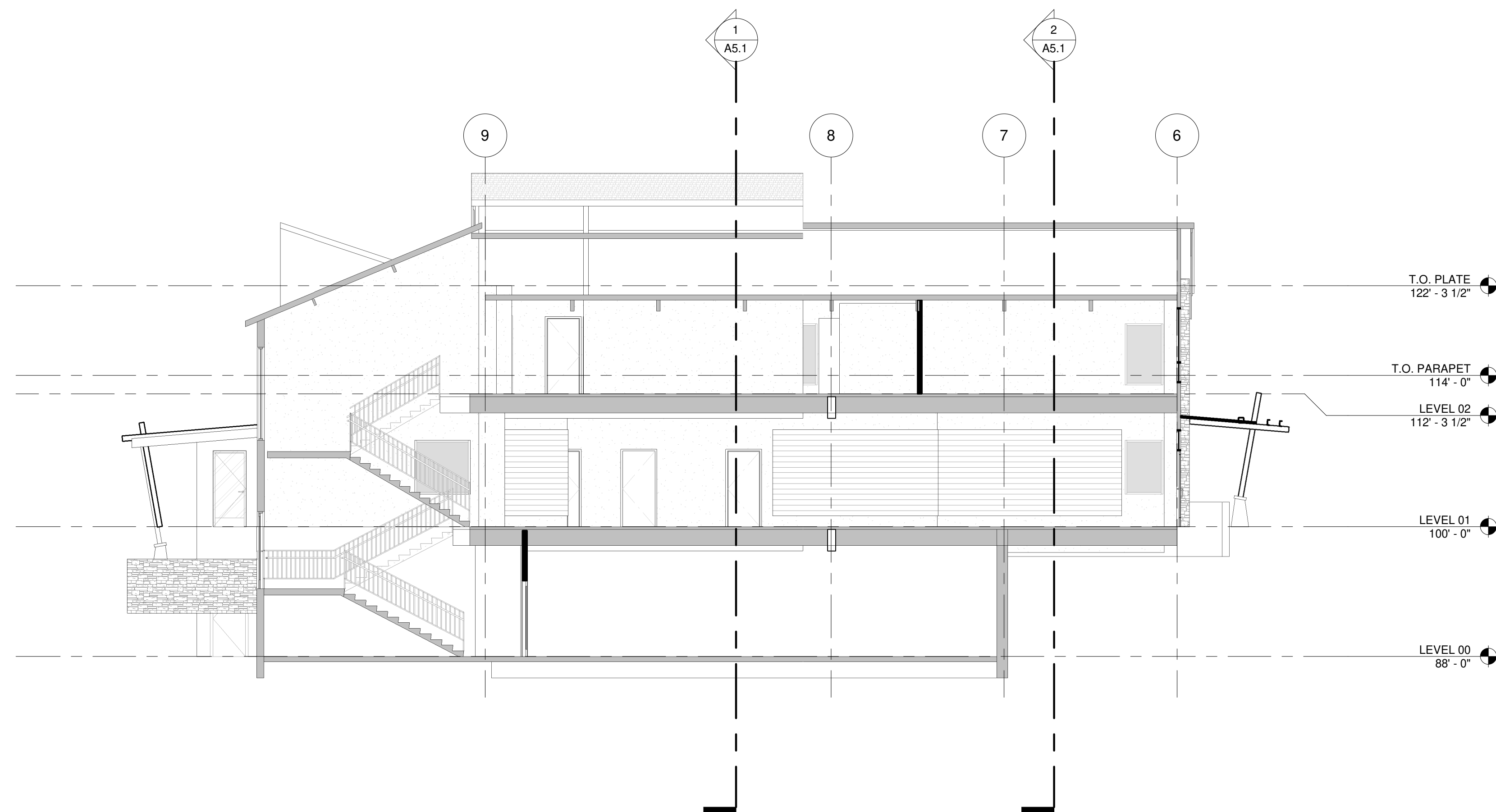
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SHEET:

**A5.2**



1 BUILDING SECTION AT NORTH ENTRY / UPPER ADDITION  
1/8" = 1'-0"



**2** BUILDING SECTION AT STAIR / SOUTH ENTRY  
1/8" = 1'-0"



110112- 500-450-5000 1765- 500-450-5000

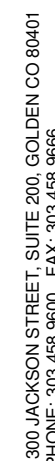
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403062  
05/03/22  
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## A6.1





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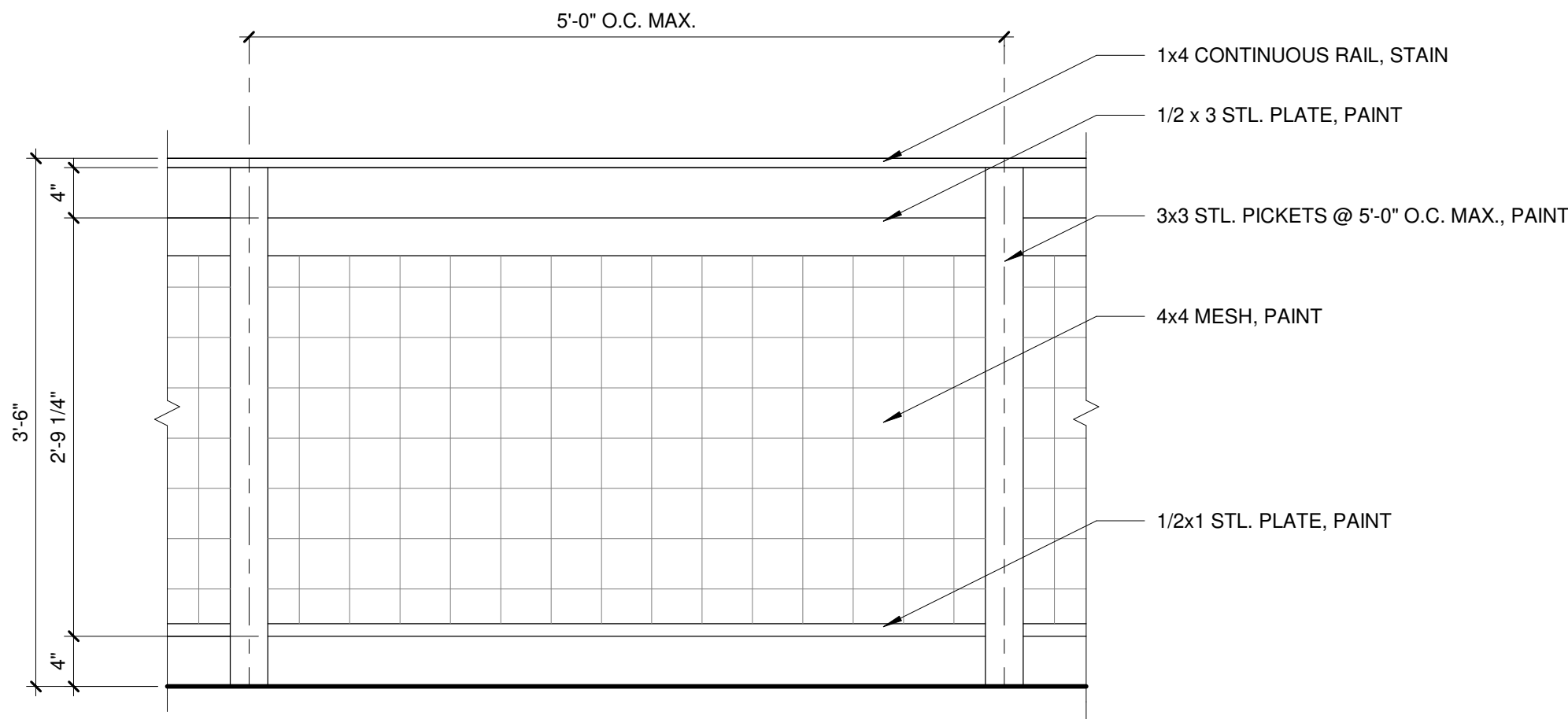
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SHEET TITLE:

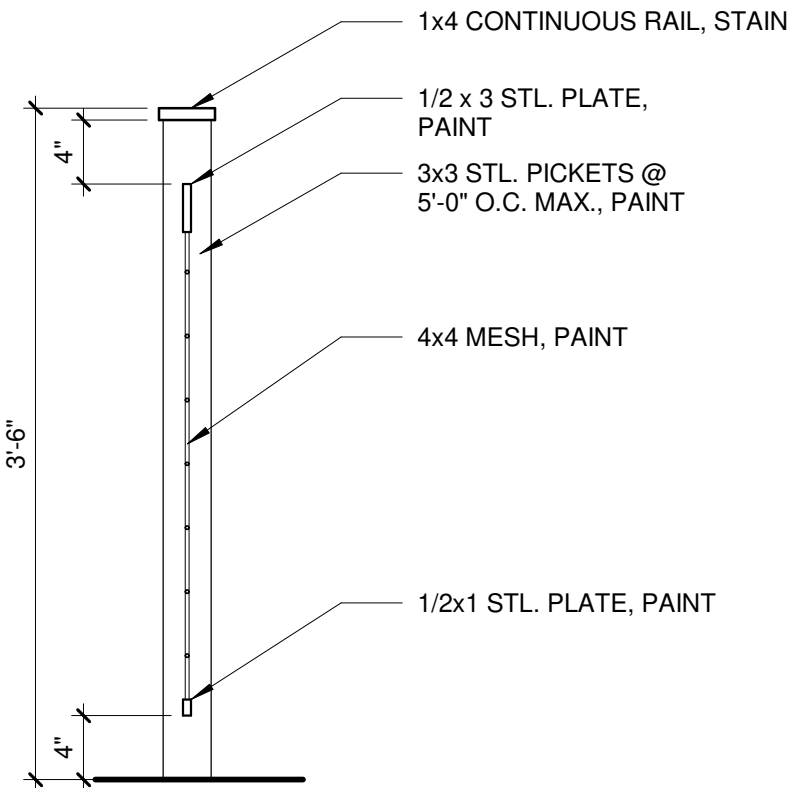
WALL SECTIONS

## A6.2

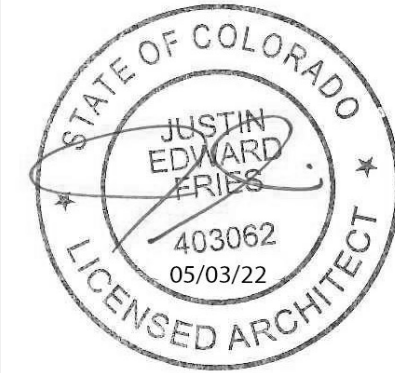




1 RAILING ELEVATION  
1" = 1'-0"

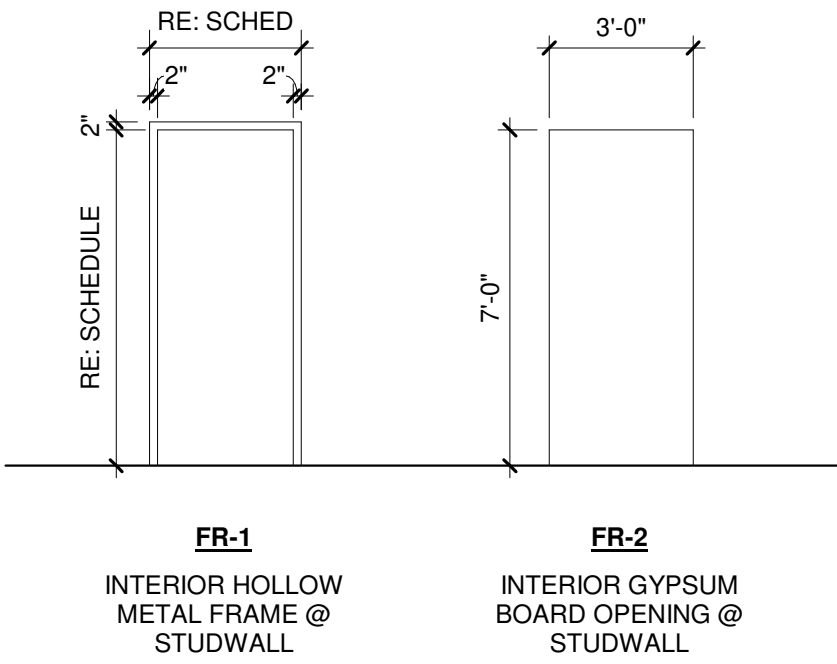


2 RAILING SECTION  
1" = 1'-0"

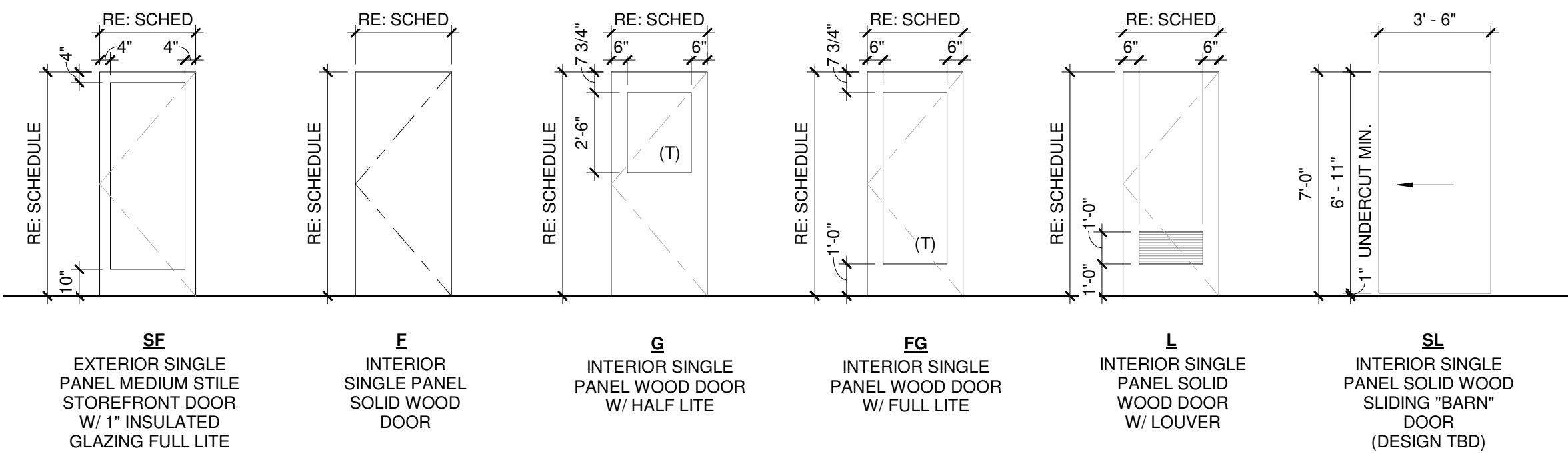


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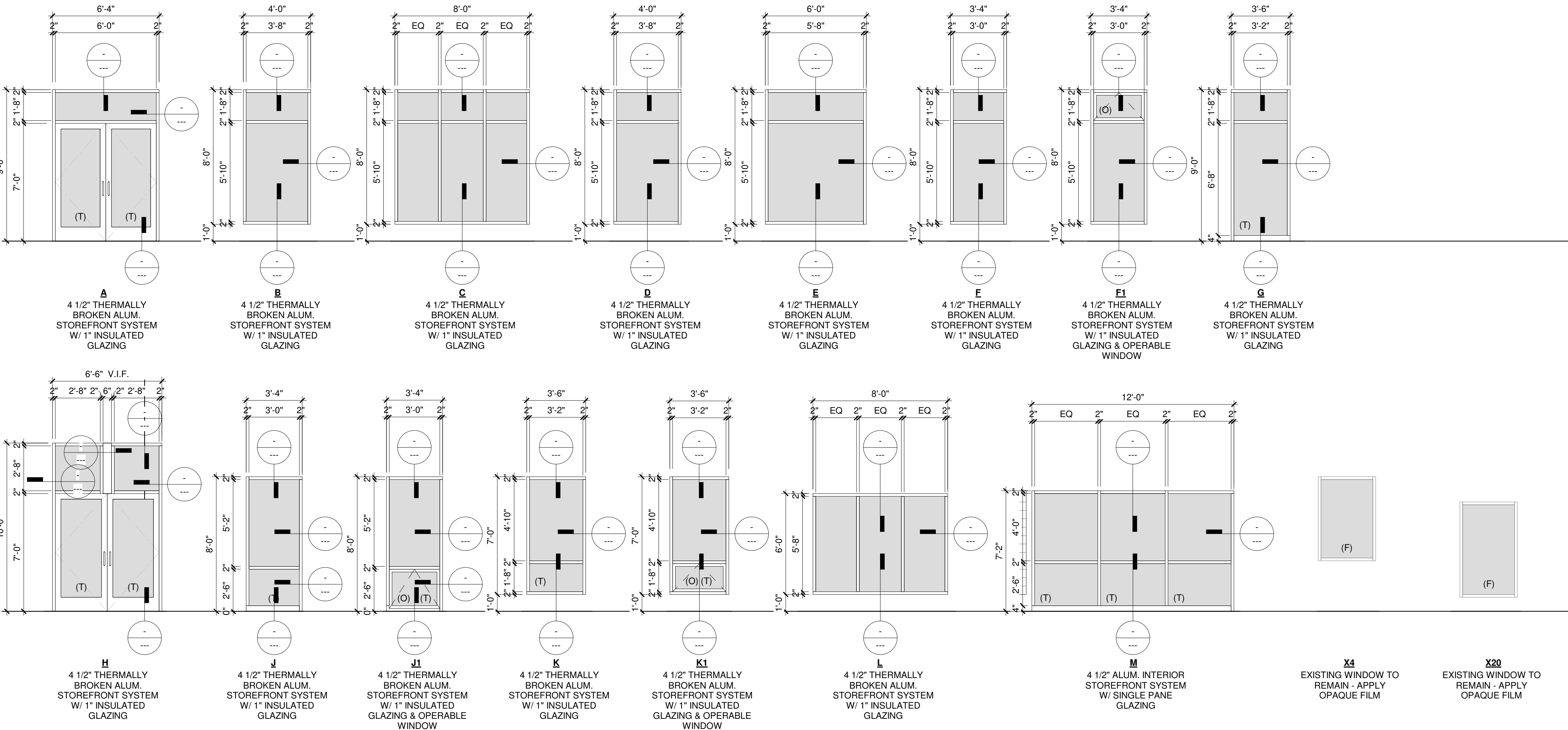
DOOR FRAME TYPES:



DOOR LEAF TYPES:



WINDOW ELEVATIONS:



DOOR AND WINDOW GENERAL NOTES

1. REFER TO PROJECT SPECIFICATIONS FOR DETAILED REQUIREMENTS FOR MANUFACTURE, FINISHING, AND INSTALLATION.
2. DOORS, WINDOWS, HARDWARE AND OPERATORS SHALL COMPLY WITH LOCAL JURISDICTION ADOPTED BUILDING CODES AND NFPA 101 "LIFE SAFETY CODE" CURRENT EDITION.
3. DOORS AND WINDOWS SHALL BE IN CONFORMANCE WITH WINDOW AND DOOR MANUFACTURERS ASSOCIATION (WDMA) AND/OR STEEL DOOR INSTITUTE (SDI) PUBLISHED STANDARDS. GRADES OF CUSTOM DOORS ARE AS DEFINED BY ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS.
4. ALL WOOD DOORS SHALL BE "CUSTOM GRADE" OR BETTER UNO AND STAINED IN FIELD.
5. ALL INTERIOR WOOD DOORS TO BE BIRCH - SELECT WHITE UNO.
6. ALL DOORS FACING EXTERIOR SHALL CONTAIN INTEGRAL BOARD INSULATION APPROPRIATE FOR THE CLIMATE.
7. ALL GLASS AT EXTERIOR PERIMETER OF WALL IN DOORS AND WINDOWS TO BE 1" CLEAR INSULATED LOW E GLAZING WITH A U-FACTOR NOT TO EXCEED .55 AND A SHGC NOT TO EXCEED .40. LITES IN INTERIOR DOORS NEED ONLY BE SINGLE PANE GLAZING.
8. LITES SHALL BE HEAT STRENGTHENED AS REQUIRED BY CODES.
9. AT ANY DOOR THAT OPENS IN SUCH A WAY AS TO STRIKE A WALL, WALL PROTECTION HARDWARE SHALL BE PROVIDED WITH APPROPRIATE CONCEALED BLOCKING TO PREVENT WALL DAMAGE.
10. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHES MIN AND 48 INCHES MAX ABOVE THE FINISHED FLOOR. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT.
11. ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. ALL HARDWARE TO BE IBC / ANSI / ADA COMPLIANT.
12. ALL STOREFRONT DOOR AND WINDOW FRAME FINISH TO BE DARK BRONZE TO MATCH EXISTING.

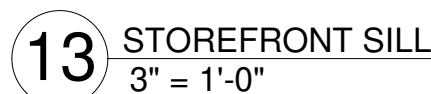
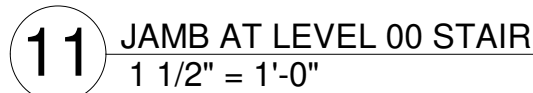
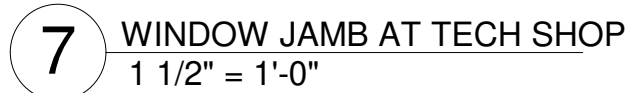
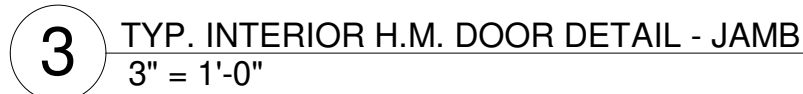
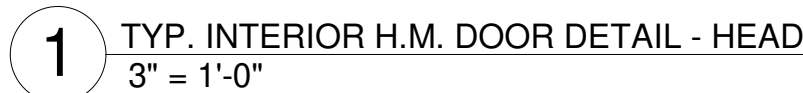
DOOR TYPE/FINISH ACRONYMS ARE DEFINED AS FOLLOWS:

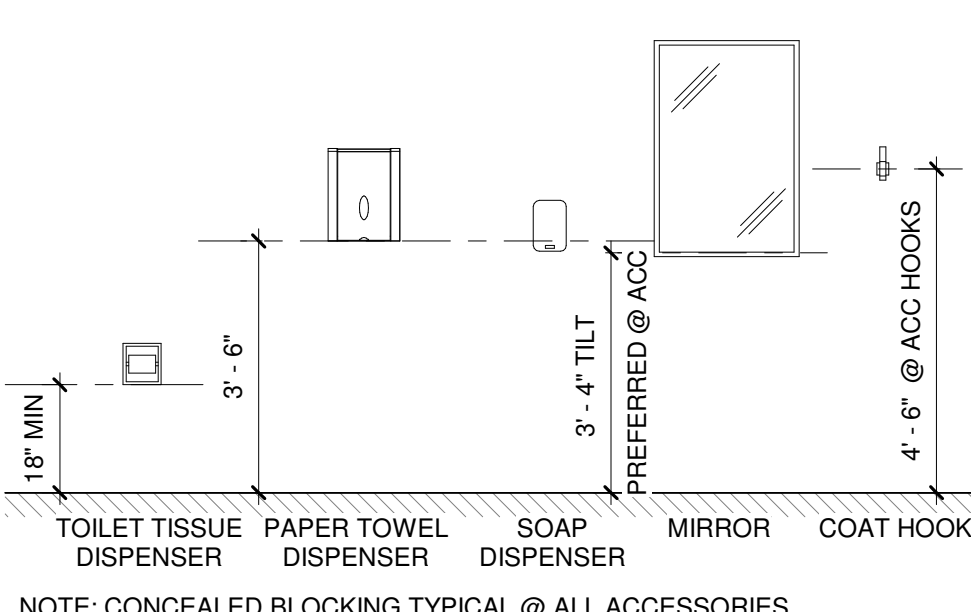
- SCW SOLID CORE WOOD  
HM HOLLOW METAL (DOOR, FRAME, MATERIAL)  
OHC OVERHEAD COILING  
O OPERABLE  
F OPAQUE FILM  
T TEMPERED GLAZING  
WD WOOD (MATERIAL)  
PT PAINT  
ST STAIN  
INT INTERGRAL  
AL ANNOIDIZED ALUMINUM (DARK BRONZE)  
EX EXISTING TO REMAIN

HARDWARE SETS:

- SEE PROJECT MANUAL  
HW SET 1: PRIVACY  
HW SET 2: STOREROOM  
HW SET 3: EXIT/ENTRY  
HW SET 4: PASSAGE  
HW SET 5: BARN DOOR

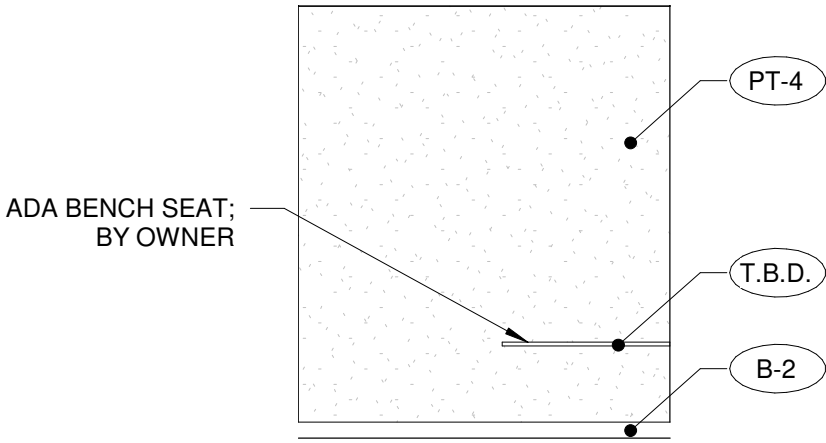




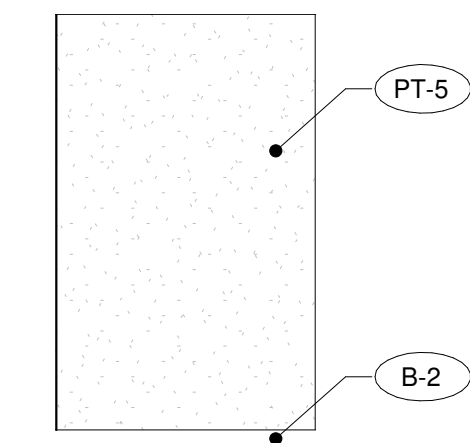


NOTE: CONCEALED BLOCKING TYPICAL @ ALL ACCESSORIES.  
SECURE BETWEEN STUDS AS REQUIRED

## 2 MOUNTING HEIGHTS - TOILET ACCESSORIES

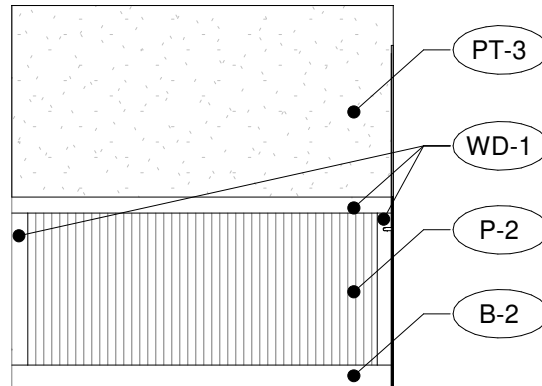


6 ADA FITTING ROOM #102 - INTERIOR ELEVATION - WEST  
1/4" = 1'-0"

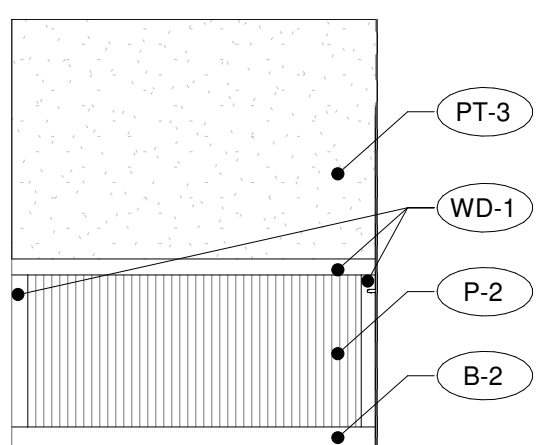


NOTE: MIRROR ELEVATIONS FOR FITTING ROOM #104

**14** FITTING ROOM #103 - INTERIOR ELEVATION - WEST  
1/4" = 1'-0"



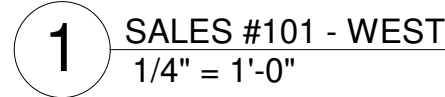
19 RESTROOM #202 - INTERIOR ELEVATION - WEST  
1/4" = 1'-0"



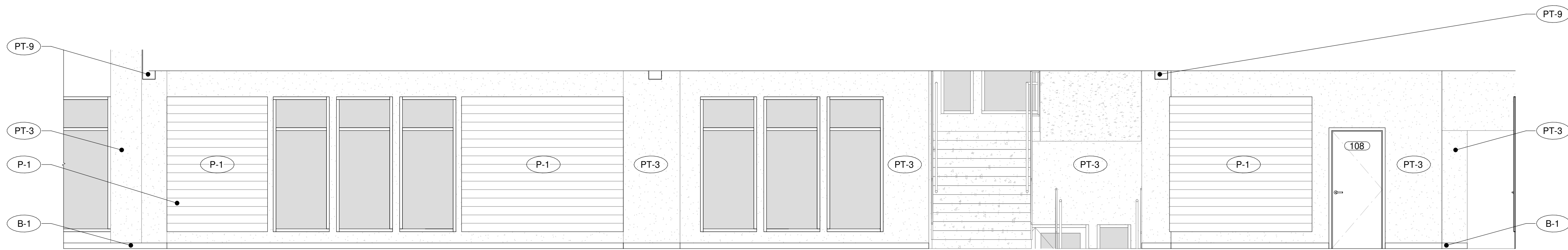
24 RESTROOM #107 - INTERIOR ELEVATION - WEST  
1/4" = 1'-0"

25 LEVEL 01 - UNISEX RESTROOM #107 - ENLARGED  
PLAN  
1/4" = 1'-0"

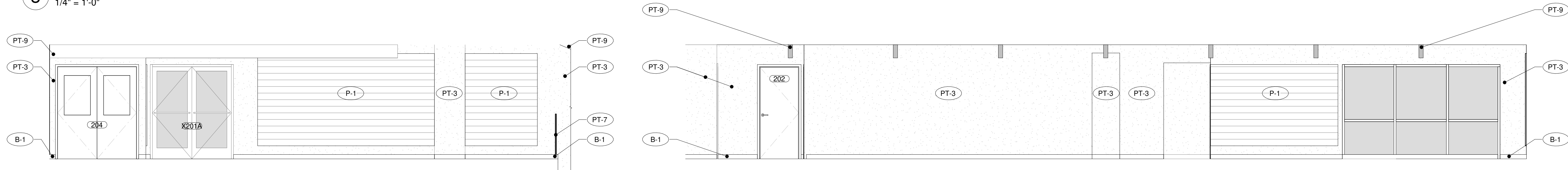




2 SALES #101 - SOUTH  
1/4" = 1'-0"

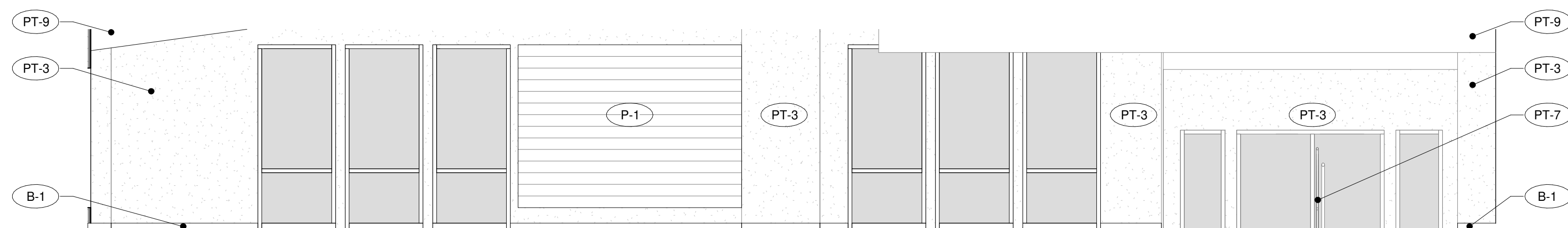


3 SALES #101 - EAST  
1/4" = 1'-0"



4 SALES #201 - WEST  
1/4" = 1'-0"

5 SALES #201 - SOUTH  
1/4" = 1'-0"

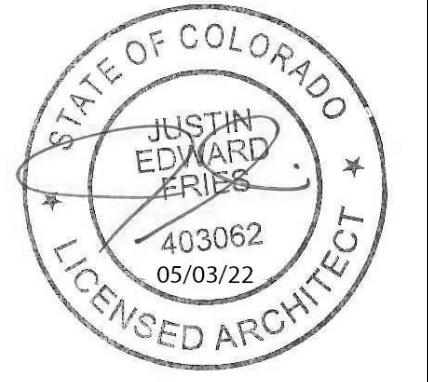


6 SALES #201 - EAST  
1/4" = 1'-0"

CHRISTY SPORTS -  
GONDOLA SQ. BLDG. D

2305 MT. WERNER CIRCLE  
STEAMBOAT SPRINGS, CO 80487

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[illegible]

JOB NUMBER: 21066

DRAWN BY: KAG

APPROVED BY: JF

DATE: 05/24/2022

Original drawing is 24" x 36" | Scale entities accordingly if reduced

SHEET TITLE:

## INTERIOR ELEVATIONS

SHEET:

## A9.2

