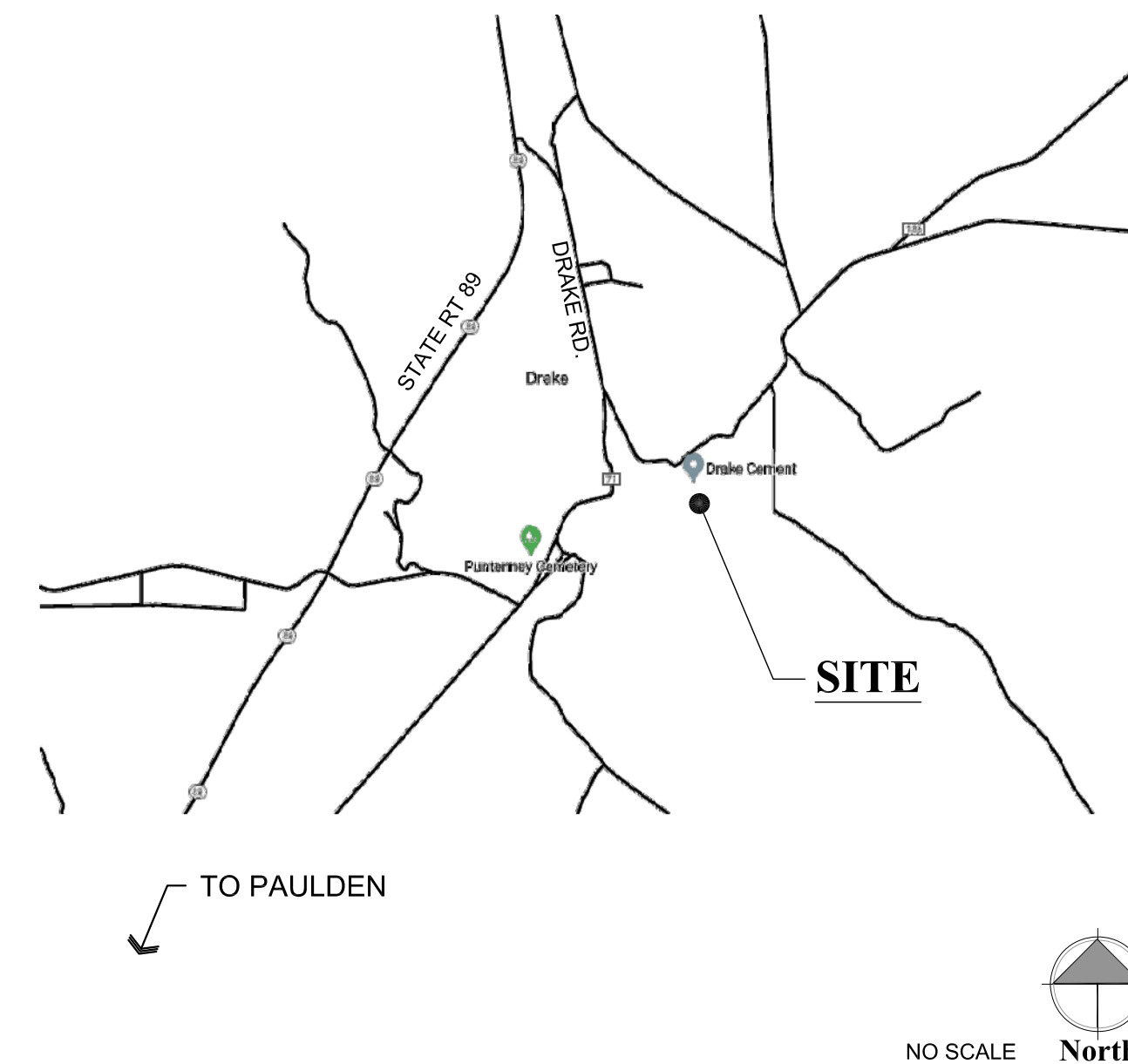


Drake Building TI Catwalk Addition

PAULDEN, ARIZONA

Area Map



Project Information

CLIENT: Drake
5001 E. Drake Rd.
Paulden, AZ 86334
PH: 570-704-7388
Contact: Karim Salinas
ksalinas@drakeus.com

PREPARED BY: W. Alan Kenson & Assoc., P.C.
P.O. Box 11593
Prescott, AZ 86304
PH: 928-443-5812
Contact: Alan Kenson
WAKA@cableone.net

CONTRACTOR: T.B.D.

JOBSITE ADDRESS: 5001 E. Drake Rd.
Paulden, AZ 86334

PARCEL NUMBER: 303-06-001L

ZONING: RCU 2A

CONST. TYPE: II-B

OCCUPANCY: F-1

BUILDING CODES:
2018 International Building Code
2018 International Fire Code
2018 International Plumbing Code
2018 International Mechanical Code
2018 International Fuel Gas Code
2017 National Electrical Code
2018 International Energy Conservation Code

Sheet Index

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A1.1 Second Floor Demolition and Second Floor Reference Plan
A2.0 Interior Elevations
A2.1 Interior Elevations
A3.0 Enlarged Floor Plan, Interior Elevation, Door and Window Schedules
A4.0 Second Floor Demolition and Proposed Reflected Ceiling Plan

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S2 Foundation Plan
S3 Mezzanine Framing Plan
S3.1 Roof Framing Plan
S4 Foundation Details
S5 Framing Details

MECHANICAL

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M2.0 Mechanical Specs and Details

PLUMBING

P1.0 Plumbing Plan

ELECTRICAL

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Graphic Standards

- EXISTING DOOR
- PROPOSED DOOR
- NORTH ARROW INDICATOR
- DETAIL DESIGNATOR
- BUILDING SECTION DESIGNATOR
- GRID LINE DESIGNATOR
- REVISION DESIGNATOR
- ELEVATION DESIGNATOR
- DESCRIPTIVE NOTE DESIGNATOR
- ROOM NUMBER / FINISH DESIGNATOR
- DOOR NUMBER DESIGNATOR
- DOOR TYPE DESIGNATOR
- WINDOW TYPE DESIGNATOR
- WALL TYPE DESIGNATOR

Project Description

ADD A NEW CATWALK TO CONNECT THE TWO ENDS OF THE BUILDING AT THE SECOND FLOOR. MODIFY EXISTING AS REQUIRED FOR INSTALLATION OF CATWALK. RECONFIGURE OFFICE ON THE WEST END TO INCLUDE KITCHENETTE. RECONFIGURE OFFICE AREA ON THE WEST END TO INCLUDE A CONFERENCE ROOM WITH A MOVEABLE WALL.

Architect:

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DRAWING: Cover Sheet

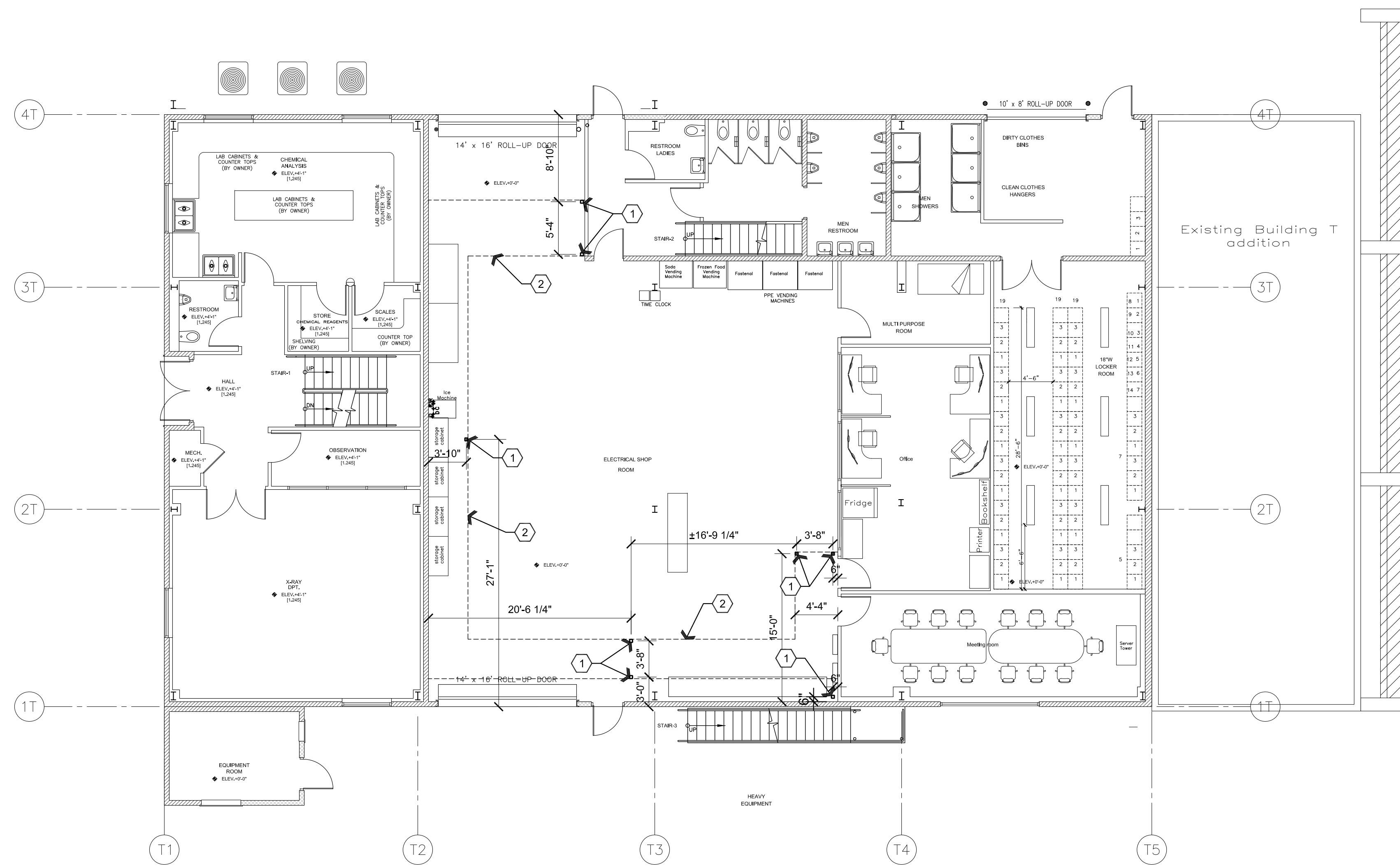
PROJECT: Drake Building T1 Catwalk Addition
5001 E. Drake Rd.
Paulden, AZ 86334

APN: 303-06-001L

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JOB NO.	795
SHEET	

CS1

Jan 11, 2024 - 9:21am



Descriptive Keynotes

1. PROVIDE COLUMN, REFER TO STRUCTURAL PLANS.
2. CATWALK ABOVE, REFER TO SECOND FLOOR PLAN AND STRUCTURAL PLANS.

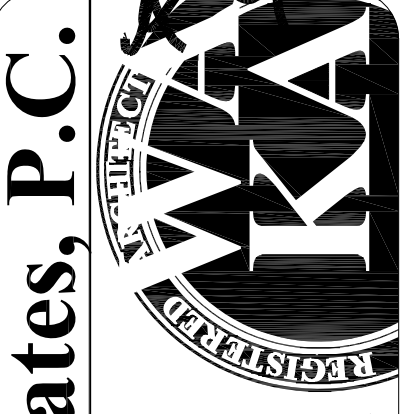
A1 Reference / Dimension First Floor Plan

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



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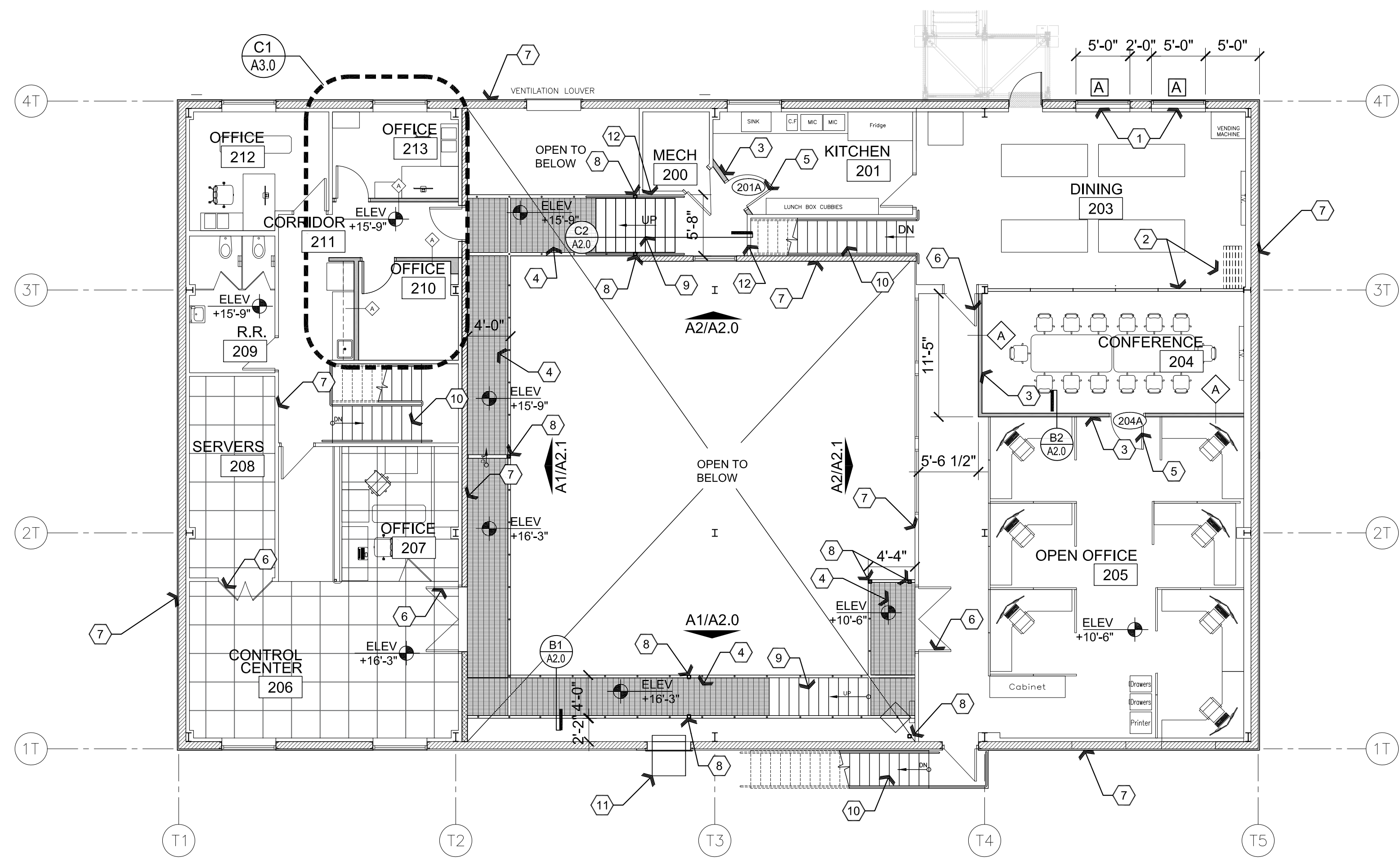


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ARCHITECTURE & PLANNING

DRAWING: Reference/ Dimension First Floor Plan
PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334
APN: 305-06-001L

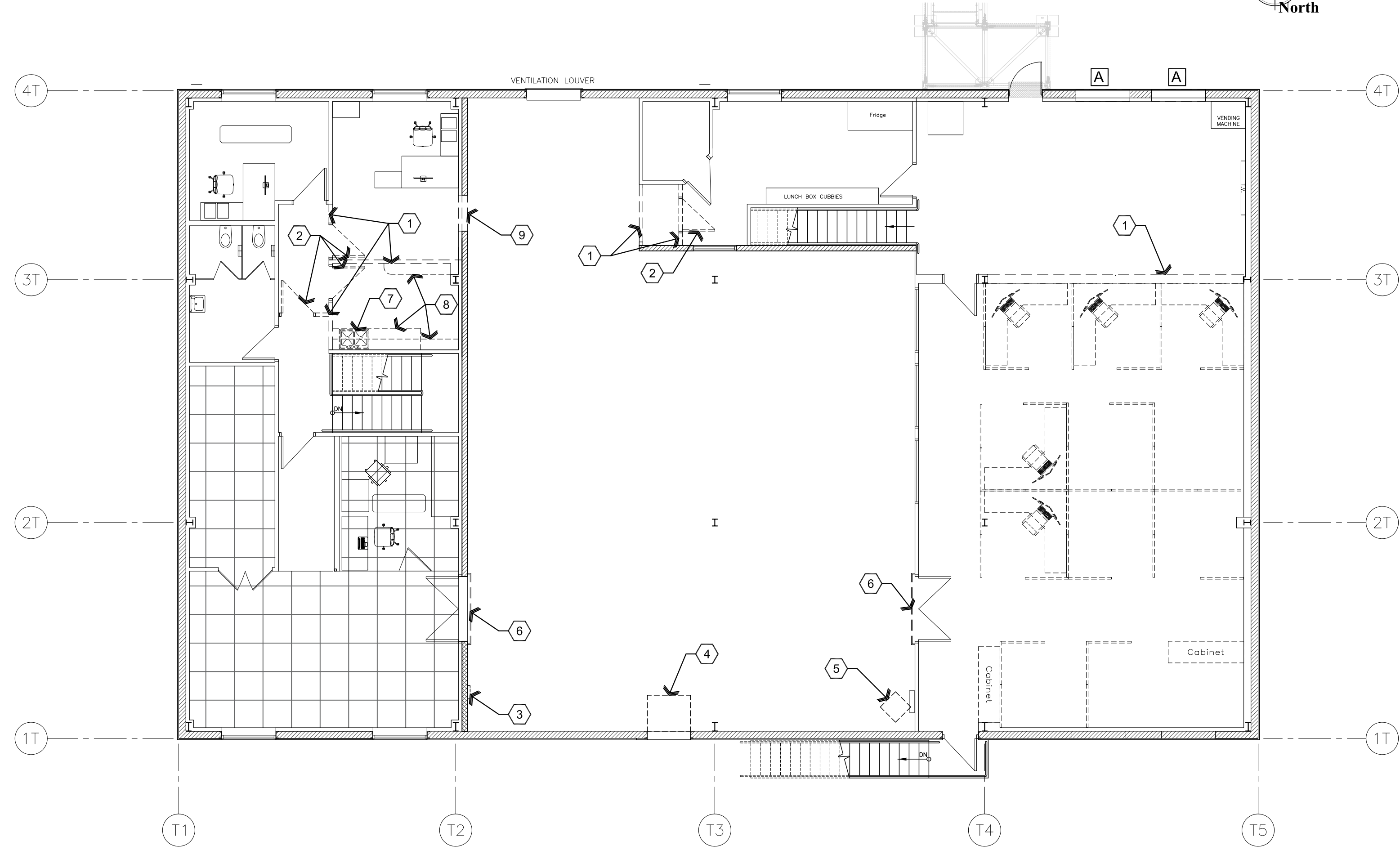
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 L.O.
 CHECKED BY
 W.A.K.
 DATE
 January 12th, 2024
 JOB NO.
 795
 SHEET

A1.0



A2 Reference / Dimension / Wall Types Second Floor Plan

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



A1 Existing / Demolition Second Floor Plan

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



PROPOSED PLAN

Descriptive Keynotes

1. PROVIDE NEW WINDOW, REFER TO DOOR AND WINDOW SCHEDULE / TYPES.
2. PROVIDE NEW OPERABLE WALL, KWIK-WALL MODEL 3010, OR EQUAL, TO BE STACKED ON EAST SIDE OF THE DINING ROOM.
3. PROVIDE NEW WALL, REFER TO WALL TYPES SCHEDULE.
4. PROVIDE NEW METAL CATWALK, REFER TO STRUCTURAL PLANS.
5. PROVIDE NEW DOOR, REFER TO DOOR SCHEDULE.
6. EXISTING DOOR TO REMAIN, TYPICAL.
7. EXISTING WALL TO REMAIN, TYPICAL.
8. PROVIDE NEW COLUMN, REFER TO STRUCTURAL PLANS.
9. PROVIDE NEW STAIRS, REFER TO STRUCTURAL PLANS.
10. EXISTING STAIRS TO REMAIN.
11. PROVIDE NEW EXTERIOR MOUNTED EXHAUST FAN, REFER TO MECHANICAL PLANS.
12. EXTEND WALLS TO 6" ABOVE NEW CEILING GRID IF REQUIRED. ATTACH 5/8" GPDW, TEXTURE AND PAINT TO MATCH EXISTING.

Wall Types Legend

- A INTERIOR WALL, TYP. PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 3-5/8" 20 GA. METAL STUDS AT 2'-0" ON CENTER TO 6" ABOVE CEILING GRID

DEMOLITION PLAN

Descriptive Keynotes

1. REMOVE PORTION OF EXISTING METAL STUD WALL.
2. RELOCATE EXISTING DOOR, REFER TO DOOR SCHEDULE.
3. REMOVE / RELOCATE EXISTING J-BOX, REFER TO ELECTRICAL PLANS.
4. REMOVE EXISTING EXHAUST FAN, REFER TO MECHANICAL PLANS.
5. REMOVE / RELOCATE EXISTING UNIT HEATER, REFER TO MECHANICAL PLANS.
6. REMOVE EXISTING TEMPORARY SAFETY GATE.
7. REMOVE EXISTING SINK, REFER TO PLUMBING PLANS.
8. REMOVE EXISTING MILLWORK.
9. REMOVE PORTION OF EXISTING MASONRY / METAL STUD WALL.

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ARCHITECTURE & PLANNING

DRAWING: Reference Second Floor Plan and Demolition Plan

PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334

APN: 305-06-001L

DRAWN BY L.O.
CHECKED BY W.A.K.
DATE January 12th, 2024
JOB. NO. 795
SHEET

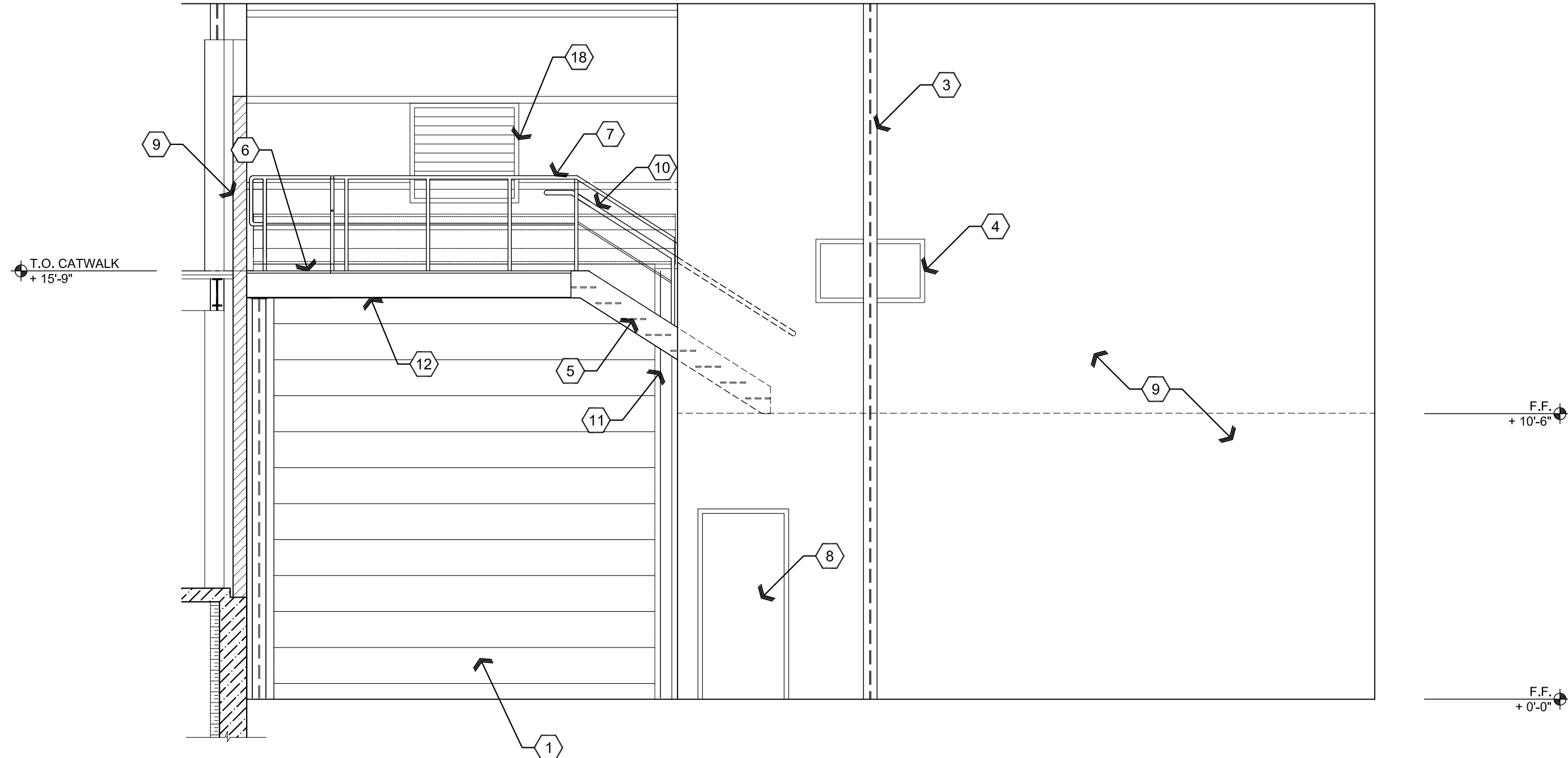
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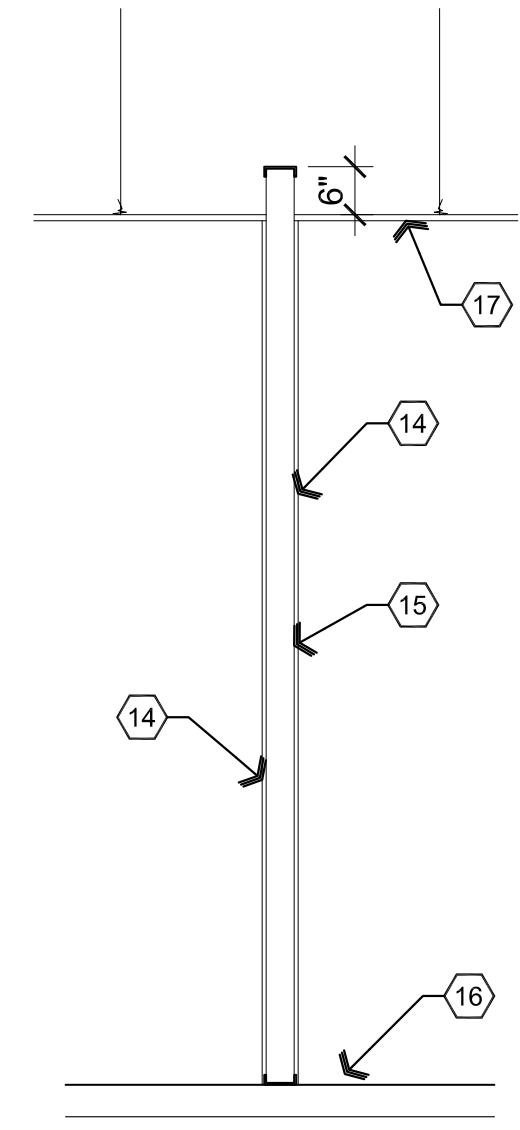


- ### Descriptive Keynotes
- EXISTING ROLL-UP DOOR.
 - PROVIDE NEW EXTERIOR MOUNTED EXHAUST FAN, REFER TO MECHANICAL PLANS .
 - EXISTING COLUMN.
 - EXISTING WINDOW.
 - PROVIDE STAIRS, MAXIMUM RISER HEIGHT SHALL BE 7". MINIMUM TREAD SHALL BE 11". REFER TO STRUCTURAL PLANS.
 - PROVIDE CATWALK, REFER TO STRUCTURAL PLANS.
 - PROVIDE STEEL GUARD RAIL WITH STEEL PIPE POSTS @ 3'-0" O.C., REFER TO STRUCTURAL PLANS.
 - EXISTING DOOR.
 - EXISTING WALL.
 - EXISTING FLOOR.
 - PROVIDE 1 1/2" HANDRAIL @ 2'-10" ABOVE STAIR NOSING.
 - PROVIDE COLUMN, REFER TO STRUCTURAL PLANS.
 - PROVIDE BEAM, REFER TO STRUCTURAL PLANS.
 - PROVIDE GRATING, REFER TO STRUCTURAL PLANS.
 - 5/8" GPDW.
 - 3 5/8" 20 GA. METAL STUD.
 - EXISTING FLOOR.
 - SUSPENDED CEILING.
 - EXISTING VENTILATION LOUVER.
 - EXTEND WALLS TO 6" ABOVE CEILING HEIGHT IF REQUIRED. ATTACH 5/8" GPDW, TEXTURE AND PAINT TO MATCH EXISTING.
 - MINIMUM 6'-8" ABOVE STAIR NOSING CLEARANCE.
 - PROVIDE METAL STUD BOX HEADER ABOVE NEW OPENING. ATTACH 5/8" GPDW, TEXTURE AND PAINT TO MATCH EXISTING.



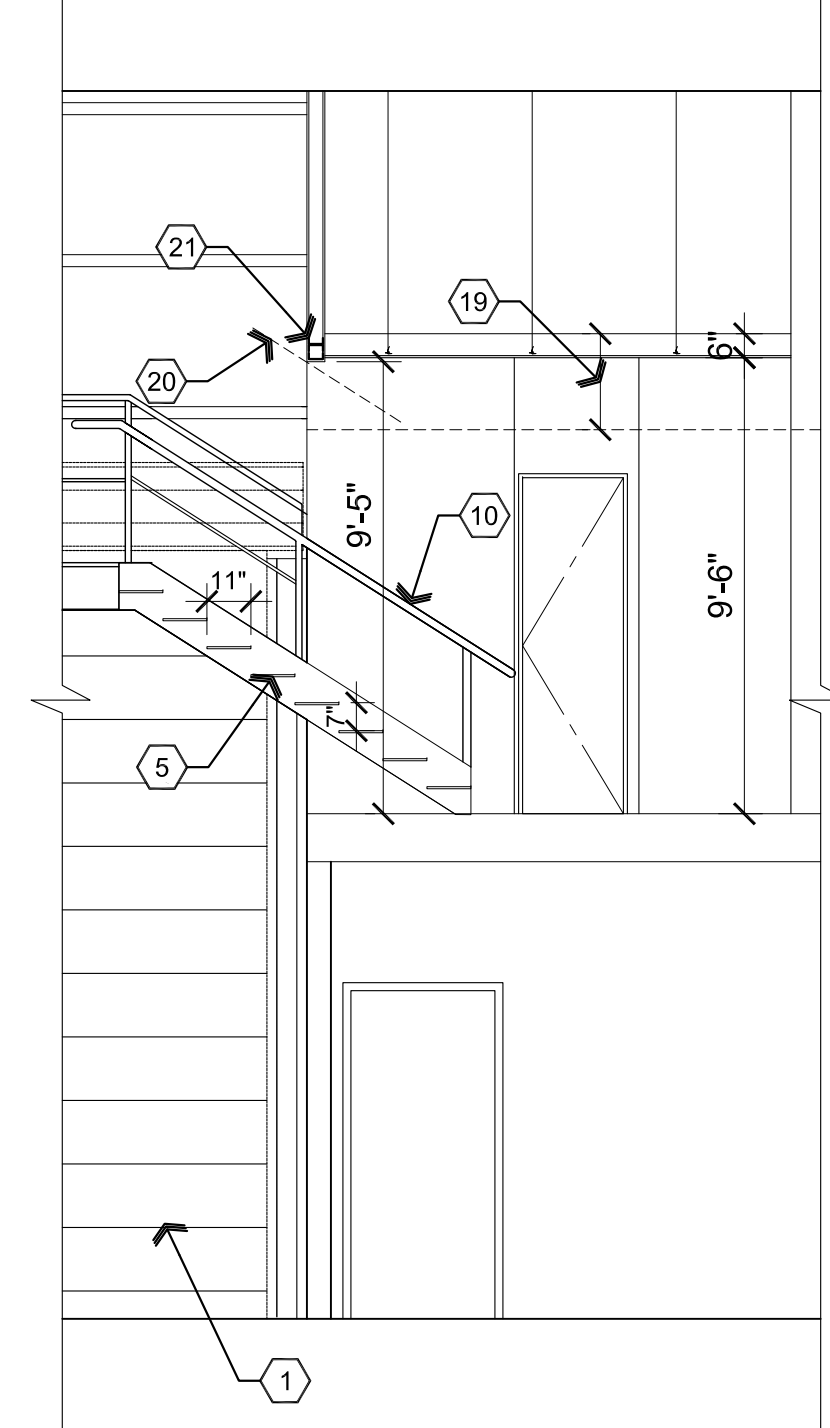
A2 North Interior Elevation

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



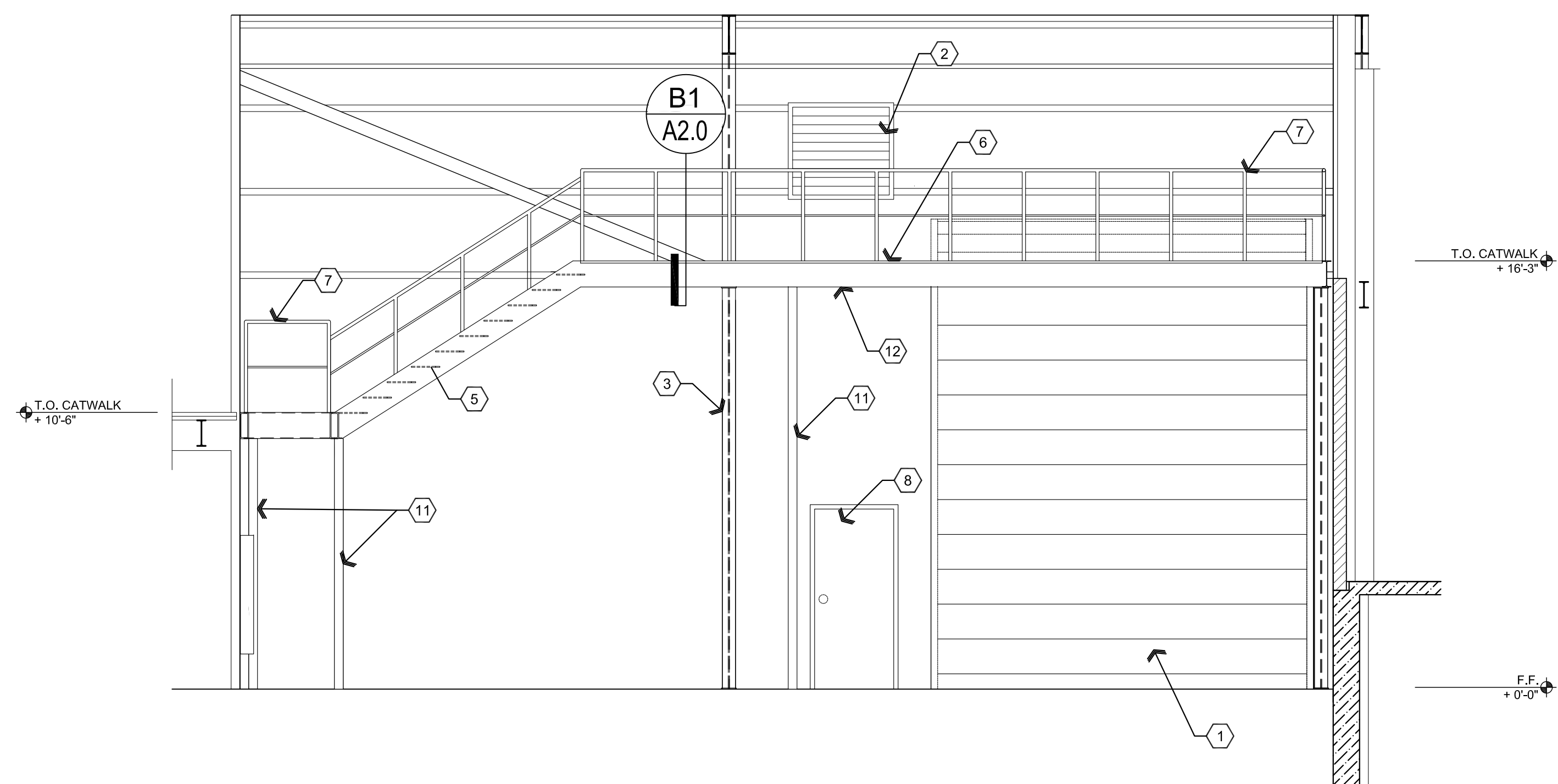
B2 Wall Section

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



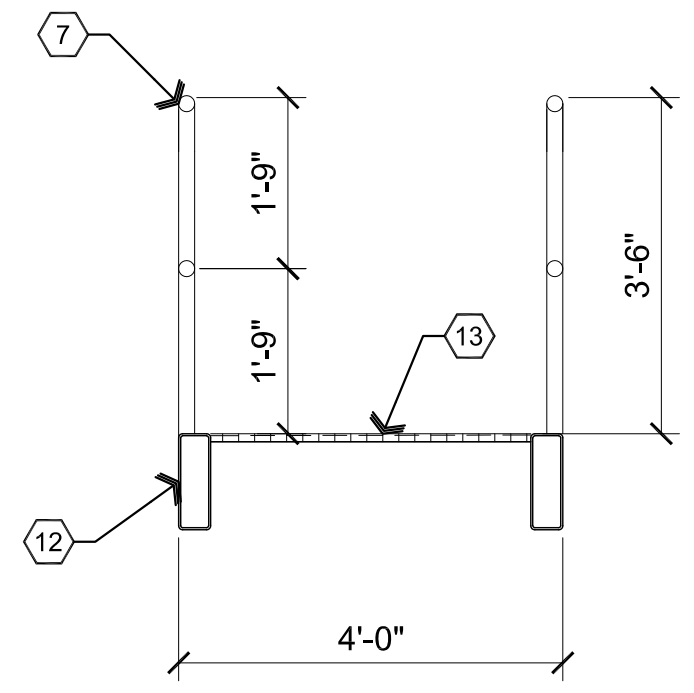
C2 Stair Section

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



A1 South Interior Elevation

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



B1 Catwalk Section

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

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ARCHITECTURE & PLANNING

DRAWING: Interior Elevations

PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334

APN: 305-06-001L

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: January 12th, 2024
JOB NO.: 795
SHEET:

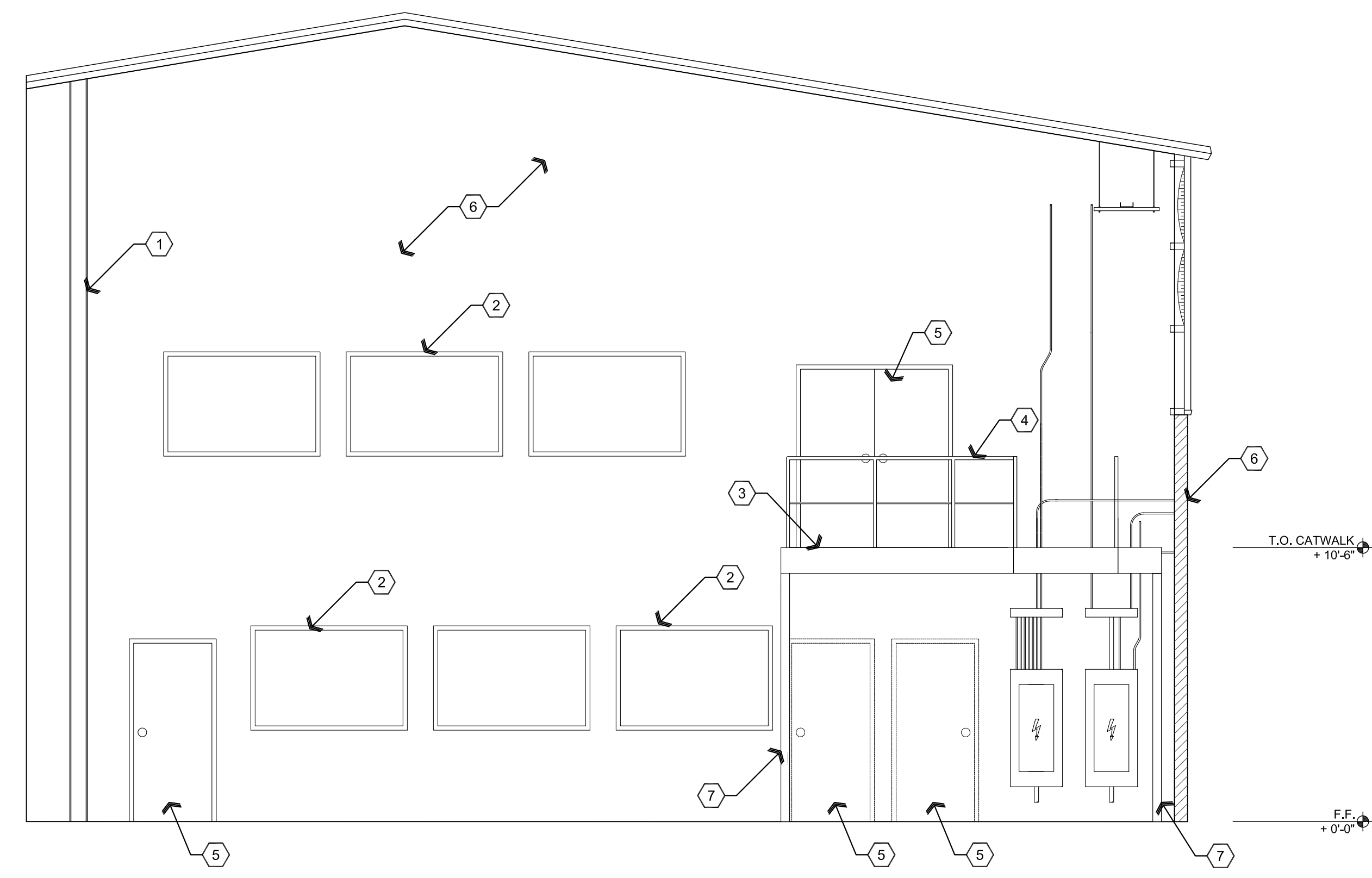
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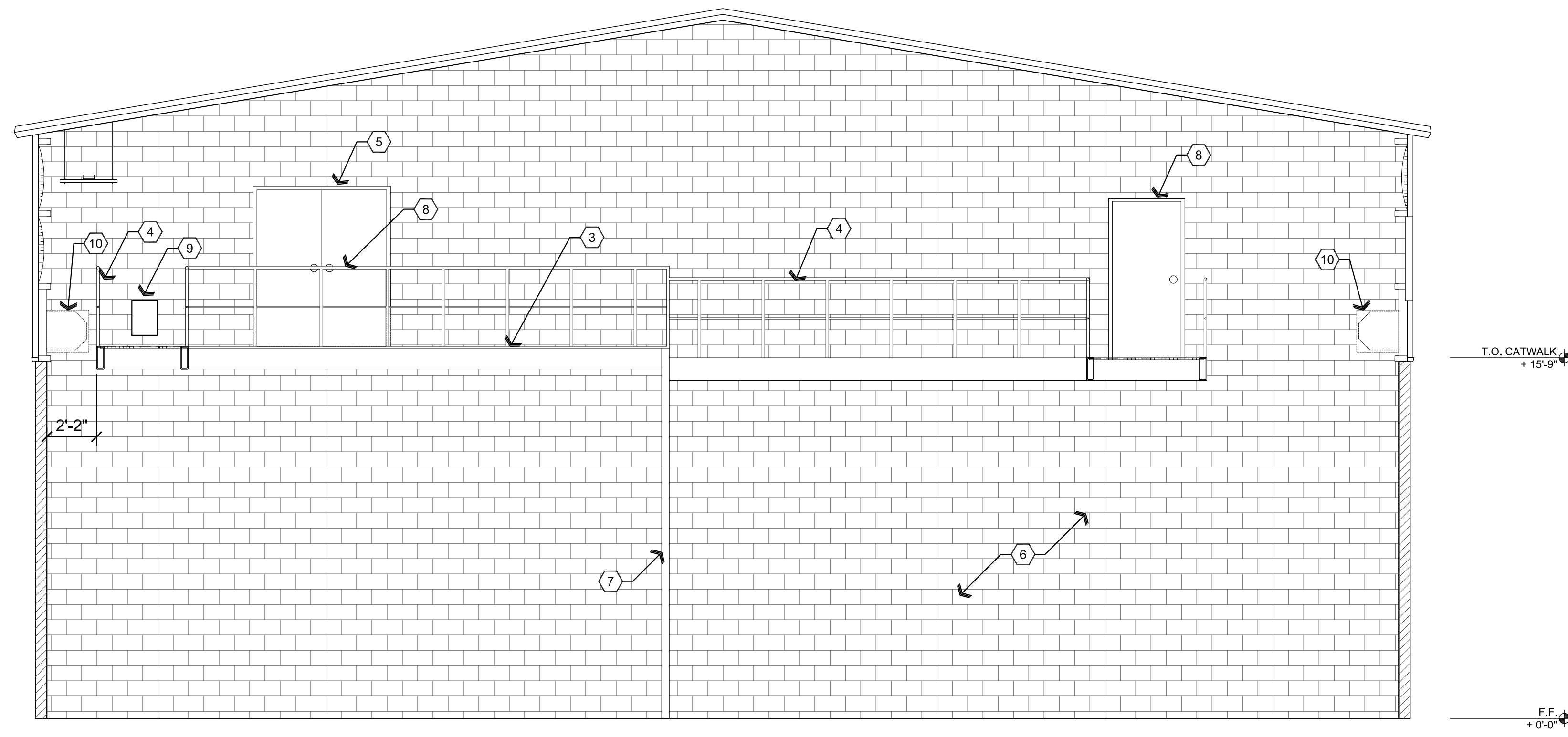


- ### Descriptive Keynotes
- EXISTING COLUMN.
 - EXISTING WINDOW.
 - PROPOSED CATWALK, REFER TO STRUCTURAL PLANS.
 - PROPOSED GUARD RAIL, REFER TO STRUCTURAL PLANS.
 - EXISTING DOOR.
 - EXISTING WALL.
 - PROPOSED COLUMN, REFER TO STRUCTURAL PLANS.
 - PROPOSED DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR TYPES.
 - REMOVE EMPTY ELECTRICAL CONDUIT / JBOX AS REQUIRED.
 - EXISTING ROLL UP DOOR HOUSING.



A2 East Interior Elevation

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



A1 West Interior Elevation

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

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ARCHITECTURE & PLANNING

DRAWING: Interior Elevations

PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334

APN: 305-06-001L

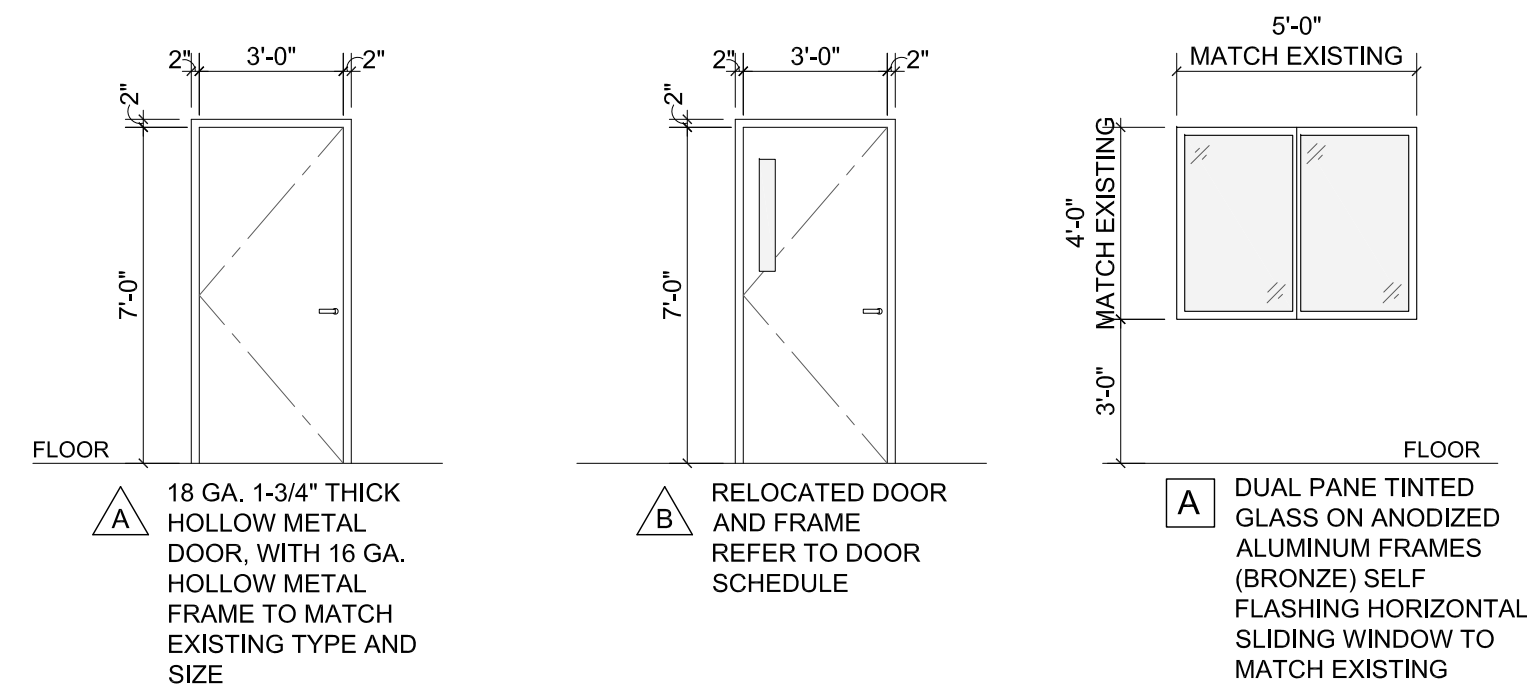
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Door Schedule

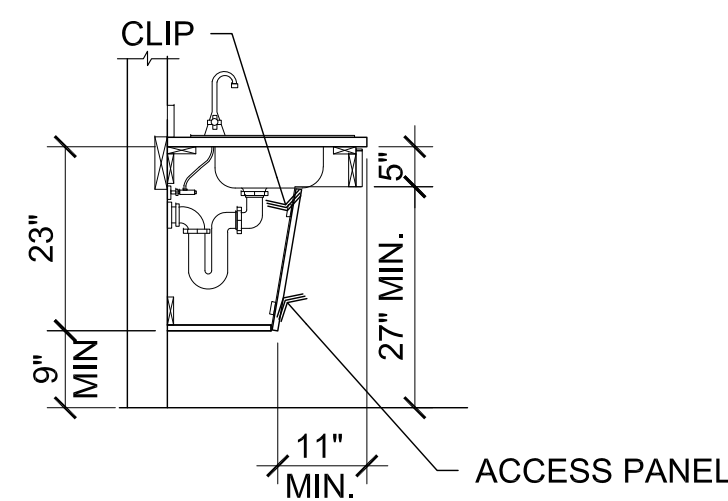
NO.	ROOM NAME	SIZE	TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HARDWARE TYPE	NOTES
201A	KITCHEN	3'-0"x7'-0"	B	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT		USE DOOR RELOCATED FROM EXISTING CLOSET ADJACENT TO MECHANICAL ROOM
204A	OPEN OFFICE	3'-0"x7'-0"	B	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT		USE DOOR THAT WAS REMOVED / RELOCATED FROM CORRIDOR 211
210A	OFFICE	3'-0"x7'-0"	B	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT		USE DOOR THAT WAS REMOVED / RELOCATED FROM OFFICE 213
211A	CORRIDOR	3'-0"x7'-0"	A	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT		
213A	OFFICE	3'-0"x7'-0"	B	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT		USE DOOR THAT WAS REMOVED / RELOCATED FROM OFFICE 210

- NOTES:**
- ALL EXIT DOORS & HARDWARE SHALL COMPLY WITH THE 2018 I.B.C.
 - DOOR THRESHOLDS SHALL HAVE A MAX HEIGHT OF 1/2" FOR H.C. ACCESSIBILITY. THRESHOLD SHALL HAVE A MAXIMUM RISE OF 1/4" AND 1/2" RISE WHEN BEVELED WITH MAXIMUM 1:2 SLOPE.
 - ALL GLAZING IN DOORS SHALL BE SAFETY GLAZING.
 - ALL INTERIOR DOORS SHALL BE OPERABLE FOR EMERGENCY EXITING PURPOSES WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE NOR EFFORT.
 - ALL GLAZING WITHIN 24" OF OPENINGS SHALL BE SAFETY GLASS.
 - IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
 - DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. HARDWARE REQUIRED FOR DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISH FLOOR.
 - DOOR OPENING FORCE SHALL BE: 5lbf MAX INTERIOR HINGED, SLIDING OR FOLDING DOORS; FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.



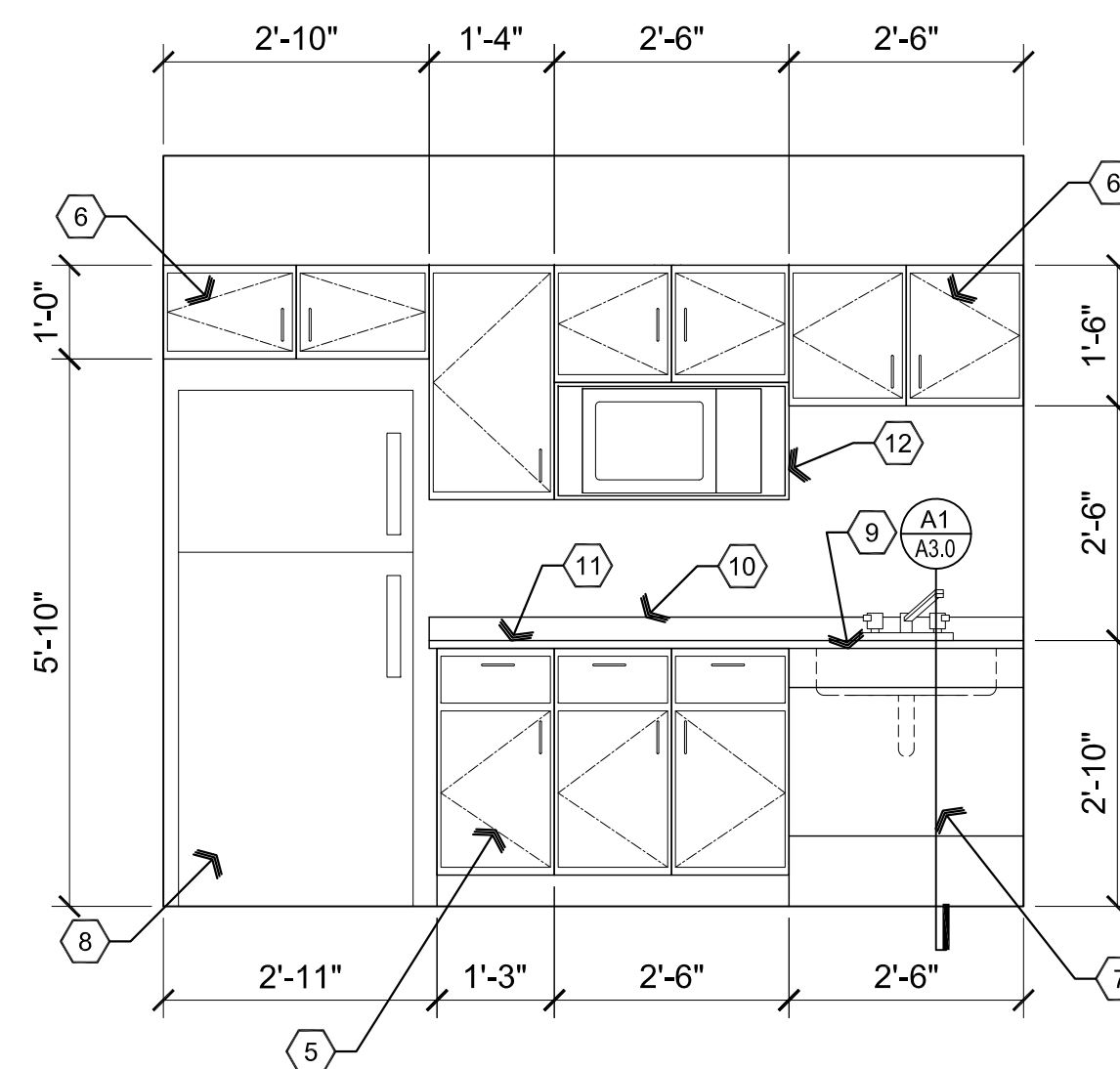
A2 Door and Window Types

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



A1 ADA Cabinet Section

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



B1 Kitchenette Elevation

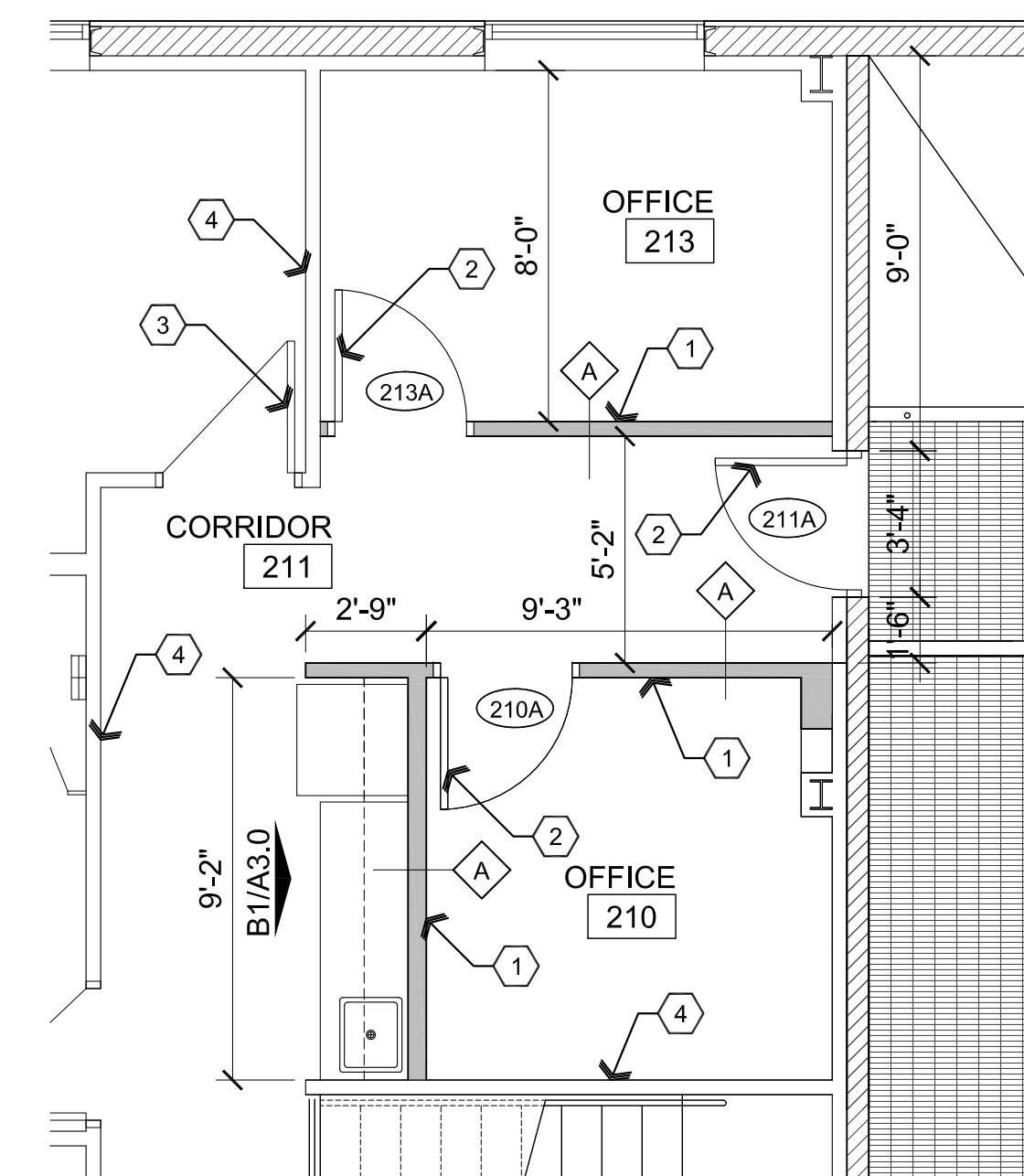
Scale: 1/2"=1'-0"

Descriptive Keynotes

- PROVIDE NEW WALL, REFER TO WALL TYPES LEGEND.
- PROVIDE NEW DOOR, REFER TO DOOR SCHEDULE.
- EXISTING DOOR TO REMAIN, TYPICAL.
- EXISTING WALL TO REMAIN, TYPICAL.
- PROVIDE PLASTIC LAMINATE EDGE BOUND LOWER CABINETS.
- PROVIDE PLASTIC LAMINATE EDGE BOUND UPPER CABINETS.
- PROVIDE ADA ACCESSIBLE SINK CABINET.
- REFRIGERATOR, PROVIDED BY OWNER.
- PROVIDE ONE COMPARTMENT STAINLESS STEEL SINK, REFER TO PLUMBING PLAN.
- PROVIDE 4" SOLID SURFACE BACKSPASH.
- PROVIDE SOLID SURFACE COUNTERTOP.
- PROVIDE MICRO SHELF. MICROWAVE PROVIDED BY OWNER.

Wall Types Legend

- INTERIOR WALL, TYP. PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 3-5/8" 20 GA. METAL STUDS AT 2'-0" ON CENTER TO CEILING GRID



C1 Enlarged Plan

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



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ARCHITECTURE & PLANNING

DRAWING: Enlarged Plan, Interior Elevations
 Door and Window Schedule

PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334

APN: 305-06-001L

DRAWN BY
 L.O.
 CHECKED BY
 W.A.K.
 DATE
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ARCHITECTURE & PLANNING

DRAWING: Second Floor Demo & Proposed Reflected Ceiling Plan
PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334
APN: 305-06-001L

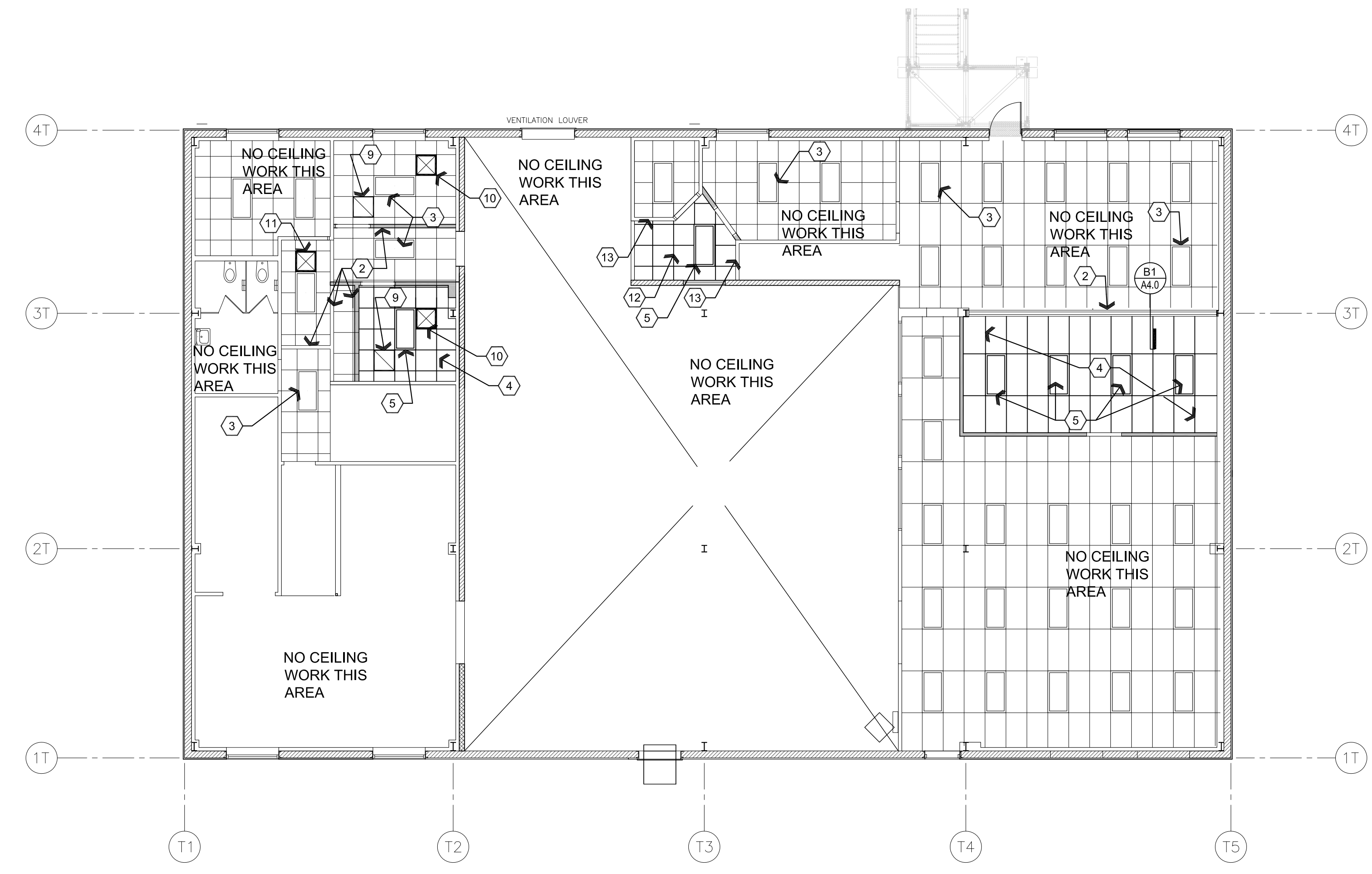
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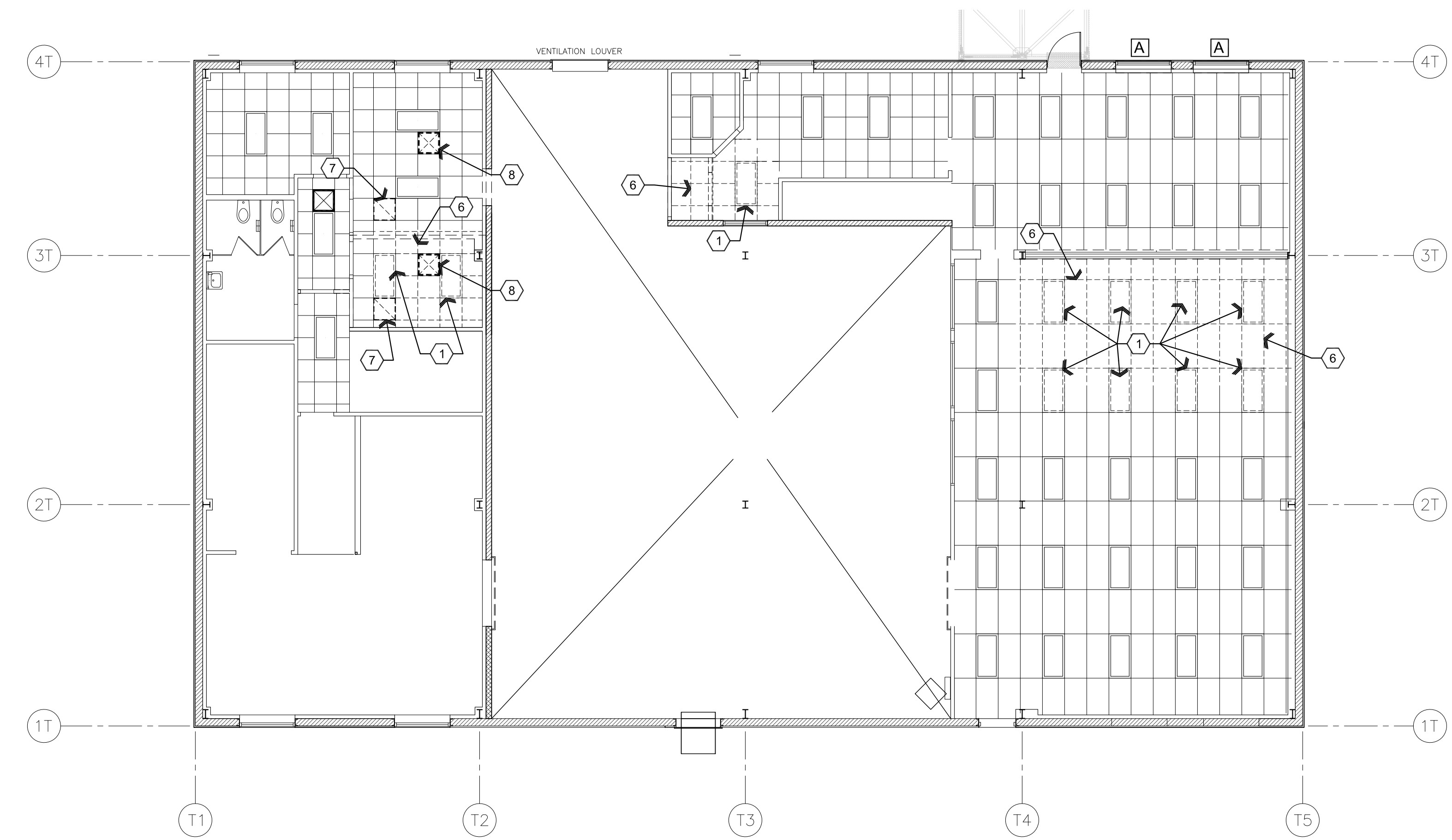
PROPOSED PLAN

Descriptive Keynotes

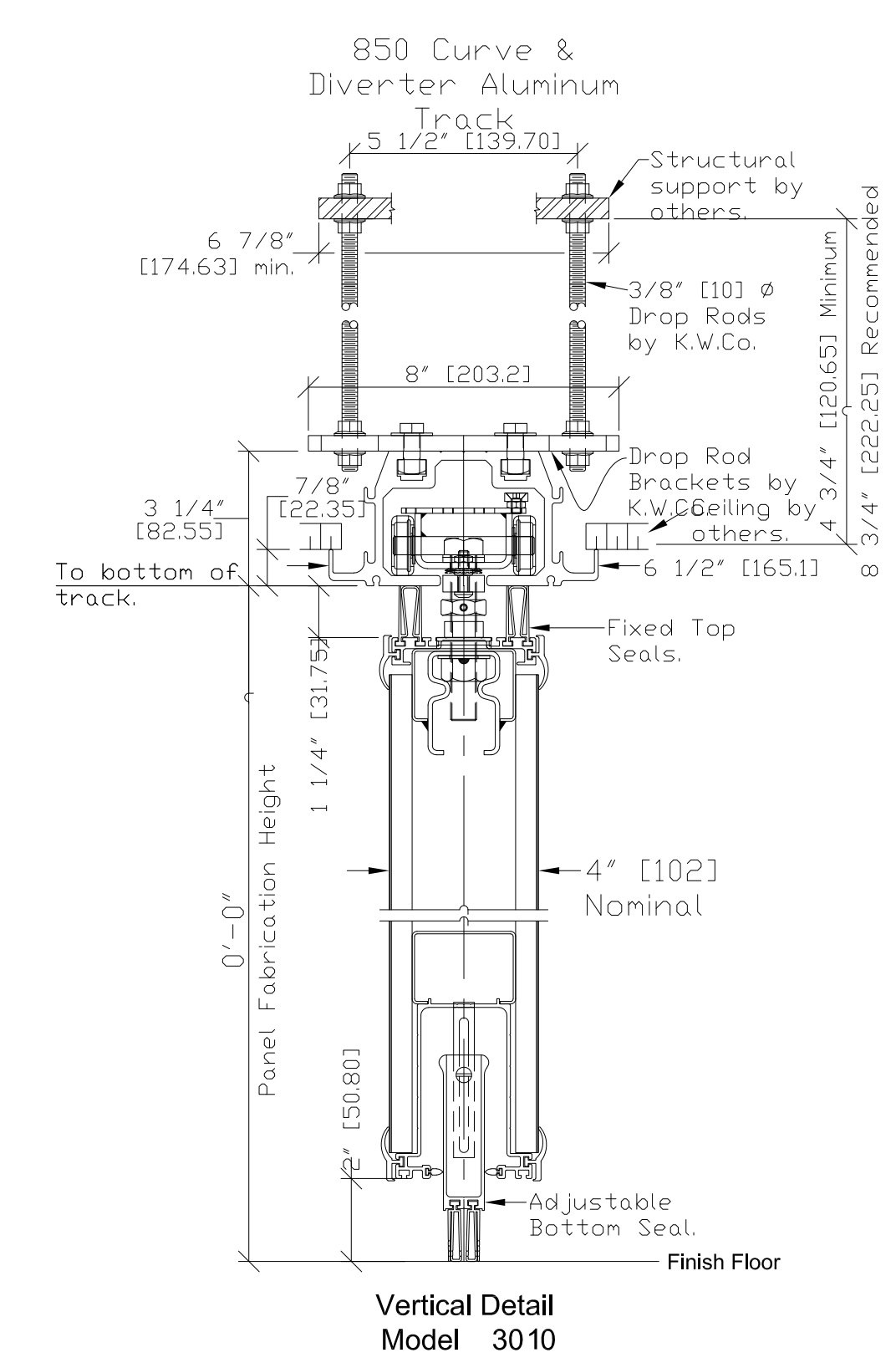
- REMOVE / RELOCATE EXISTING LIGHT, REFER TO ELECTRICAL PLANS.
- REPAIR CEILING GRID AS REQUIRED.
- EXISTING LIGHT TO REMAIN, TYPICAL.
- PROVIDE NEW CEILING GRID TO MATCH EXISTING.
- RELOCATED TROFFER LIGHT, REFER TO ELECTRICAL PLANS.
- REMOVE EXISTING CEILING GRID.
- RELOCATE EXISTING HVAC RETURN, REFER TO MECHANICAL PLANS.
- RELOCATE EXISTING HVAC SUPPLY, REFER TO MECHANICAL PLANS.
- RELOCATED HVAC RETURN, REFER TO MECHANICAL PLANS.
- RELOCATED HVAC SUPPLY, REFER TO MECHANICAL PLANS.
- EXISTING HVAC SUPPLY TO REMAIN, REFER TO MECHANICAL PLANS.
- PROVIDE NEW CEILING GRID AT 9'-6".
- EXTEND WALLS TO 6" ABOVE NEW CEILING GRID IF REQUIRED. ATTACH 5/8" GPDW, TEXTURE AND PAINT TO MATCH EXISTING.



A2 Second Floor Proposed Reflected Ceiling Plan
 Scale: 1/4"=1'-0"
 Plan North



A1 Second Floor Demolition Reflected Ceiling Plan
 Scale: 1/4"=1'-0"
 Plan North



B1 Kwik Wall Model 3010
 Scale: N.T.S.

GENERAL STRUCTURAL NOTES

(APPLY UNLESS NOTED OTHERWISE ON PLANS/DETAILS)

GENERAL REQUIREMENTS:

- THESE DRAWINGS, AND THEIR ASSOCIATED STRUCTURAL CALCULATIONS, HAVE BEEN PERFORMED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE STRUCTURAL ENGINEER'S IN THIS OR SIMILAR LOCALITIES. THEY NECESSARILY ASSUME THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKMEN WHO HAVE A WORKING KNOWLEDGE OF THE INTERNATIONAL BUILDING CODE CONVENTIONAL FRAMING REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR FRAMING ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, IT IS UNDERSTOOD THAT THE CONTRACTOR WILL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR ALL MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION SUCH THAT DESIGN LIVE LOAD PER SQUARE FOOT AS STATED HEREIN IS NOT EXCEEDED. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, AND SHALL COORDINATE ALL DETAILS, AT NO ADDITIONAL COST TO OWNER.
- WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN. TYPICAL DETAILS AND NOTES ARE NOT NECESSARILY INDICATED ON THE PLANS, BUT SHALL APPLY NONE-THE-LESS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. DETAILS MAY SHOW ONLY ONE SIDE OF CONNECTION OR MAY OMIT INFORMATION FOR CLARITY.
- ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT AND STRUCTURAL ENGINEER.
- ANY INSPECTIONS, SPECIAL (IBC CHAPTER 17) OR OTHERWISE THAT ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR BY THESE PLANS SHALL BE DONE BY AN INDEPENDENT INSPECTION COMPANY OR THE BUILDING DEPARTMENT. SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AN OFFICIAL INSPECTION, UNLESS SPECIFICALLY CONTRACTED FOR.
- SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DRAWINGS SHALL BE FLAGGED UPON HIS REVIEW. VERIFY ALL DIMENSIONS WITH ARCHITECT. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED. ANY OF THE AFORESAID WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER THE STRUCTURAL ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY. ANY STRUCTURAL ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A STRUCTURAL ENGINEER REGISTERED IN THE APPROPRIATE STATE. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER ARE NOT TO BE CONSIDERED CHANGES TO ORIGINAL DRAWINGS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY THE OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. ALLOW (5) WORKING DAYS FOR THE STRUCTURAL ENGINEER'S REVIEW. ONE COPY OF EACH SUBMITTAL WILL BE RETAINED FOR THE STRUCTURAL ENGINEER'S RECORDS.

BASIS FOR DESIGN:

- BUILDING CODE: 2018 EDITION OF THE IBC WITH CITY/COUNTY AMENDMENTS.
RISK CATEGORY = II
- VERTICAL LOADS:

LOCATION	LIVE / SNOW LOAD	DEAD LOAD
ROOF	20 PSF	6 PSF
OFFICE FLOOR	50 PSF	63 PSF
LOBBIES / CORRIDORS	100 PSF	63 PSF
CATWALK	40 PSF	15 PSF

3. SEISMIC DESIGN PARAMETERS:

ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
IMPORTANCE FACTOR	$I_e = 1.00$
SITE CLASS	D
SEISMIC DESIGN CATEGORY	C
SPECTRAL RESPONSE ACCELERATIONS	$S_{ms} = 0.520, S_{m1} = 0.256$
SPECTRAL RESPONSE COEFFICIENTS	$S_{ds} = 0.347, S_{d1} = 0.171$

4. WIND DESIGN PARAMETERS (STRENGTH):

ULTIMATE WIND SPEED	115 MPH (3 SECOND GUST)
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	+/-0.18

FOUNDATION NOTES:

- IN LIEU OF A GEOTECHNICAL REPORT, THE FOUNDATION HAS BEEN DESIGNED ACCORDING TO THE RECOMMENDATIONS OF CHAPTER 18 OF THE IBC.
- THE SOIL DESIGN VALUES LISTED BELOW HAVE BEEN APPROVED BY THE CITY/COUNTY BUILDING DEPARTMENT, CONTINGENT THAT THE SOIL ON THE SITE PREDOMINATELY CONSISTS OF SAND AND/OR GRAVEL. SPECIFIC SOIL CLASSIFICATIONS SHOULD BE ONE OF THE FOLLOWING: SANDY GRAVEL OR GRAVEL (GW OR GP), SAND (SW AND SP), SILTY SAND (SM), CLAYEY SAND (SC), SILTY GRAVEL (GM), OR CLAYEY GRAVEL (GC). THESE SOIL CLASSIFICATIONS CAN BE FOUND IN TABLE 1806.2 OF CHAPTER 18 OF THE IBC. VERIFICATION OF SOIL CLASSIFICATION IS THE RESPONSIBILITY OF THE CONTRACTOR.

THE SOIL DESIGN VALUES FOR THE FOUNDATION ARE:

ALLOWABLE BEARING PRESSURE	1500 PSF
ALLOWABLE LATERAL BEARING PRESSURE	150 PSF/FT
ALLOWABLE LATERAL SLIDING COEFFICIENT	0.25
LATERAL BACKFILL PRESSURE (UNRESTRAINED)	30 PSF/FT
LATERAL BACKFILL PRESSURE (RESTRAINED)	50 PSF/FT
SITE CLASS	D

- A ONE-THIRD INCREASE IN BEARING PRESSURES IS ALLOWED WITH SEISMIC OR WIND LOAD COMBINATIONS. LATERAL BEARING AND LATERAL SLIDING RESISTANCE MAY BE COMBINED.

FOUNDATION BEARING DEPTH
18" BELOW FINISHED GRADE

- ALL FOUNDATIONS SHALL BEAR ON UNDISTURBED NATURAL SOIL OR COMPACTED ENGINEERED FILL 18 INCHES MINIMUM BELOW FINISH GRADE. GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE BUILDING FOR PERIMETER FOOTINGS. WHERE EXTERIOR PAVING OR CONCRETE IS DIRECTLY ADJACENT TO BUILDING, GRADE IS DEFINED AS TOP OF EXTERIOR PAVING AT LEAST 5 FEET FROM BUILDING. CONCRETE FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF LOOSE DEBRIS OR UN-COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.

EXISTING CONCRETE:

- MINIMUM 28 DAY CONCRETE STRENGTH SHALL BE AS FOLLOWS:

USE:	CONCRETE STRENGTH:	REMARKS:
EXISTING FOUNDATIONS	4000 PSI	
EXISTING CONCRETE SLABS ON GRADE	4000 PSI	
EXISTING CONCRETE TOPPING O/STEEL DECK	4000 PSI	

EXISTING MASONRY (CONCRETE BLOCK):

MINIMUM 28 DAY MASONRY STRENGTH SHALL BE 1500 PSI.

- VERTICAL REINFORCING: #5 AT 48 INCHES ON CENTER FULL HEIGHT OF WALL, CENTERED IN GROUTED CELL AND AT ALL WALL INTERSECTIONS, CORNERS, WALL ENDS, JAMBS, OVER UNTELS, AND EACH SIDE OF CONTROL JOINTS (MINIMUM UNLESS NOTED OTHERWISE ON PLANS/DETAILS). TIE AT 6'-0" VERTICALLY, WITH SINGLE WIRE LOOP TIE OR EQUIVALENT. DOWEL ALL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH AND LAP VERTICAL WALL OR COLUMN REINFORCING.
- HORIZONTAL REINFORCING: #4 BAR IN CENTER OF 8 INCH DEEP CONTINUOUS GROUTED BOND BEAM AT INTERVALS NOT TO EXCEED 48 INCHES ON CENTER AND AT ELEVATED FLOOR AND ROOF LINES.

PLACE HORIZONTAL BARS CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE BENT BARS TO MATCH HORIZONTAL BOND BEAM REINFORCING, AT CORNERS AND WALL INTERSECTION TO MAINTAIN BOND BEAM CONTINUITY.

STEEL:

- MATERIALS: ROLLED W SHAPES, SHALL CONFORM TO ASTM A992 (FY=50 KSI). ALL OTHER STRUCTURAL STEEL SHAPES, ROLLED SECTIONS, BARS AND PLATES SHALL CONFORM TO ASTM A36 (FY = 36 KSI). ALL PIPE STEEL SHALL BE ASTM A501 (FY = 36 KSI) OR ASTM A53, TYPE E OR S, GRADE B (FY = 35 KSI). ALL TUBULAR STEEL SHALL BE ASTM A500 (FY = 46 KSI).
- ALL BOLTS AND STUDS SHALL BE ASTM A307, UNLESS NOTED OTHERWISE. ALL EXPANSION BOLTS TO HAVE CURRENT ICBO RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. HEADED STUDS SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING" AND THE "STRUCTURAL WELDING CODE" PUBLISHED BY AWS. ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC. SHALL BE INSTALLED WITH STEEL WASHERS AT FACE OF WOOD OR AT SLOTTED HOLES IN STEEL SECTIONS.
- ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION.
- WELDING SHALL BE BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. ALL WELDING SHALL USE E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. ALL WELDING PER LATEST AMERICAN WELDING SOCIETY STANDARDS. ALL WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. CONTRACTOR MAY SHOP WELD OR FIELD WELD AT HIS DISCRETION. ALL FULL PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY.
- STEEL TO STEEL BOLTED CONNECTIONS: HIGH STRENGTH BOLTS SHALL BE ASTM A325N AND SHALL BE INSTALLED AS BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE (TYPE "N" CONNECTION). BOLTS MAY BE TIGHTENED USING ANY AISC APPROVED METHOD.
- DRYPACK SHALL BE 5,000 PSI FIVE STAR NON-SHRINK GROUT OR EQUIVALENT. INSTALL DRYPACK UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED. AT COLUMNS, INSTALL DRYPACK UNDER BASE PLATES AFTER COLUMN HAS BEEN PLUMBED BUT PRIOR TO FLOOR OR ROOF INSTALLATION.

COLD FORMED STEEL (ICBO ER 4943P):

- MATERIALS: STANDARD COLD-FORMED STEEL STUDS, JOISTS, TRACK, BRIDGING AND STRAPS SHALL CONFORM TO AISI NAS-01 WITH 2004 SUPPLEMENT (FY = 33 KSI). STEEL FOR PURLINS AND GIRTS SHALL CONFORM TO (FY = 55 KSI). STEEL SHALL BE GALVANIZED AT EXTERIOR WALLS AND FRAMING.
- FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE(AISI).
- ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK. UNLESS NOTED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS, BEAM BEARINGS AND JOIST BEARINGS.
- ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK.

SPECIAL INSPECTION ITEMS:

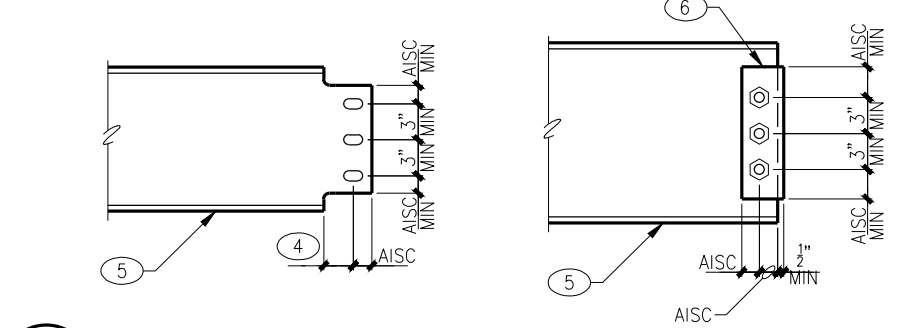
- THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR DURING CONSTRUCTION OF CERTAIN TYPES OF WORK. PER IBC SECTION 1704 AND THE STRUCTURAL ENGINEER OF RECORD, SPECIAL INSPECTION IS (IS NOT) REQUIRED AS FOLLOWS:

TYPE OF WORK:	REQUIRED:	REMARKS:
FIELD WELDING	YES	AFTER WORK IS COMPLETE

SPECIAL INSPECTIONS NOT LISTED ABOVE ARE NOT REQUIRED BY FSE HOWEVER, ADDITIONAL SPECIAL INSPECTIONS MAY BE REQUIRED BY THE BUILDING OFFICIAL.

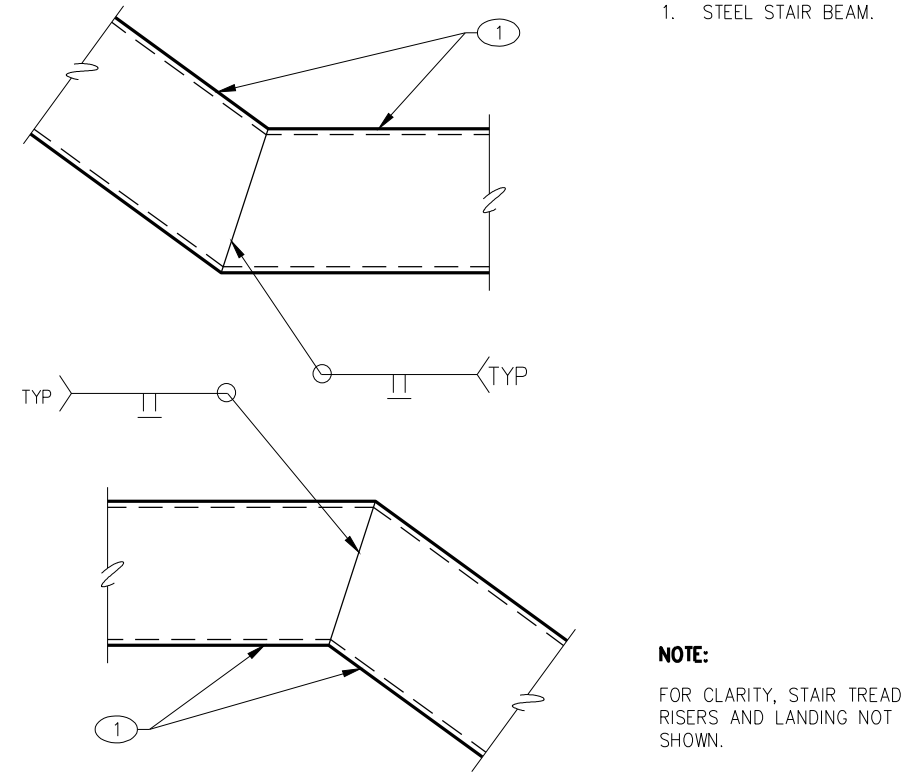
- DESIGNATION OF SPECIAL INSPECTOR: A SPECIAL INSPECTION CERTIFICATE - CORRESPONDING TO THE REQUIREMENTS IN THE TABLE ABOVE HAS BEEN PROVIDED WITH THESE DRAWINGS BY FSE FOR PERMITTING PURPOSES.
 - ACCORDING TO THE SI CERTIFICATE, THE SPECIAL INSPECTOR SHALL BE, OR WORK UNDER THE DIRECT SUPERVISION OF THE STRUCTURAL ENGINEER OF RECORD - FROST STRUCTURAL ENGINEERING(FSE) (928)776-4757. FSE IS NOT RESPONSIBLE FOR SPECIAL INSPECTIONS IF WE ARE NOT CONTACTED OR CONTRACTED TO DO SO.
 - TO SCHEDULE ANY SPECIAL INSPECTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SPECIAL INSPECTOR AT LEAST ONE DAY IN ADVANCE.
 - AN ALTERNATE SPECIAL INSPECTOR MAY BE USED BY OBTAINING A NEW SI CERTIFICATE, AND MAKE THE NECESSARY NOTIFICATIONS TO ALL PARTIES INVOLVED. THE ALTERNATE SPECIAL INSPECTOR SHALL BE AN ARIZONA LICENSED CIVIL OR STRUCTURAL ENGINEER OR AN ICC CERTIFIED SPECIAL INSPECTOR.
 - FOR GEOTECHNICAL ITEMS LISTED ABOVE, THE SPECIAL INSPECTOR SHALL BE, OR WORK UNDER THE DIRECT SUPERVISION OF A GEOTECHNICAL ENGINEER OR THE BUILDING OFFICIAL.
- QUALITY ASSURANCE PROGRAM:
 - THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
 - THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE STRUCTURAL ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
 - UPON COMPLETION OF THE ASSIGNED WORK THE STRUCTURAL ENGINEER SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE INTERNATIONAL BUILDING CODE.

NOMINAL BEAM DEPTH "D"	NUMBER OF 3/4" Ø ASTM A325N BOLTS	KEY NOTES:
UP TO 7"	2	<ol style="list-style-type: none"> THE TYPICAL STEEL BEAM TO STEEL COLUMN OR STEEL BEAM TO STEEL BEAM CONNECTION CONSISTS OF 3/4" THICK SINGLE SHEAR PLATES WITH 3/4" Ø ASTM A325N BOLTS. USE 3/4" Ø SHEAR PLATES WHERE 10" x 27" OR GREATER. ALL BOLTS SHALL BE INSTALLED USING SHORT SLOTTED HOLES IN EITHER THE BEAM WEB OR THE SHEAR PLATE PER LATEST AISC SPECIFICATIONS. MAINTAIN MINIMUM BOLT SPACING AND EDGE DISTANCES PER AISC SPECIFICATIONS 1.16.4 AND 1.16.5, AND AS SHOWN BELOW. CLIP FLANGE FOR 3/2" CLR. STEEL BEAM. SHEAR PLATE.
8" - 11"	2	
12" - 14"	3	
15" - 17"	4	
18" - 20"	5	
21" - 23"	6	
24" - 29"	7	
30" - 32"	8	
33" - 35"	9	
36"	10	



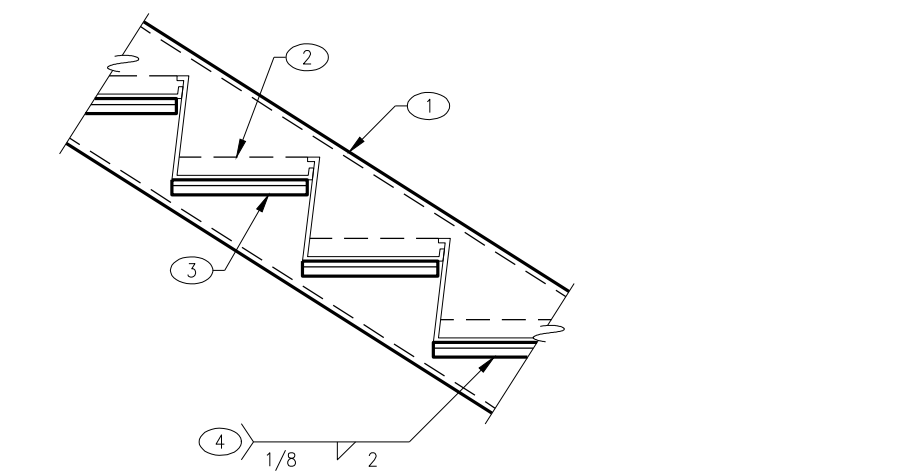
T1 BOLT SCHEDULE FOR STEEL CONNECTIONS
02-S02 NO SCALE

KEY NOTES:
1. STEEL STAIR BEAM.

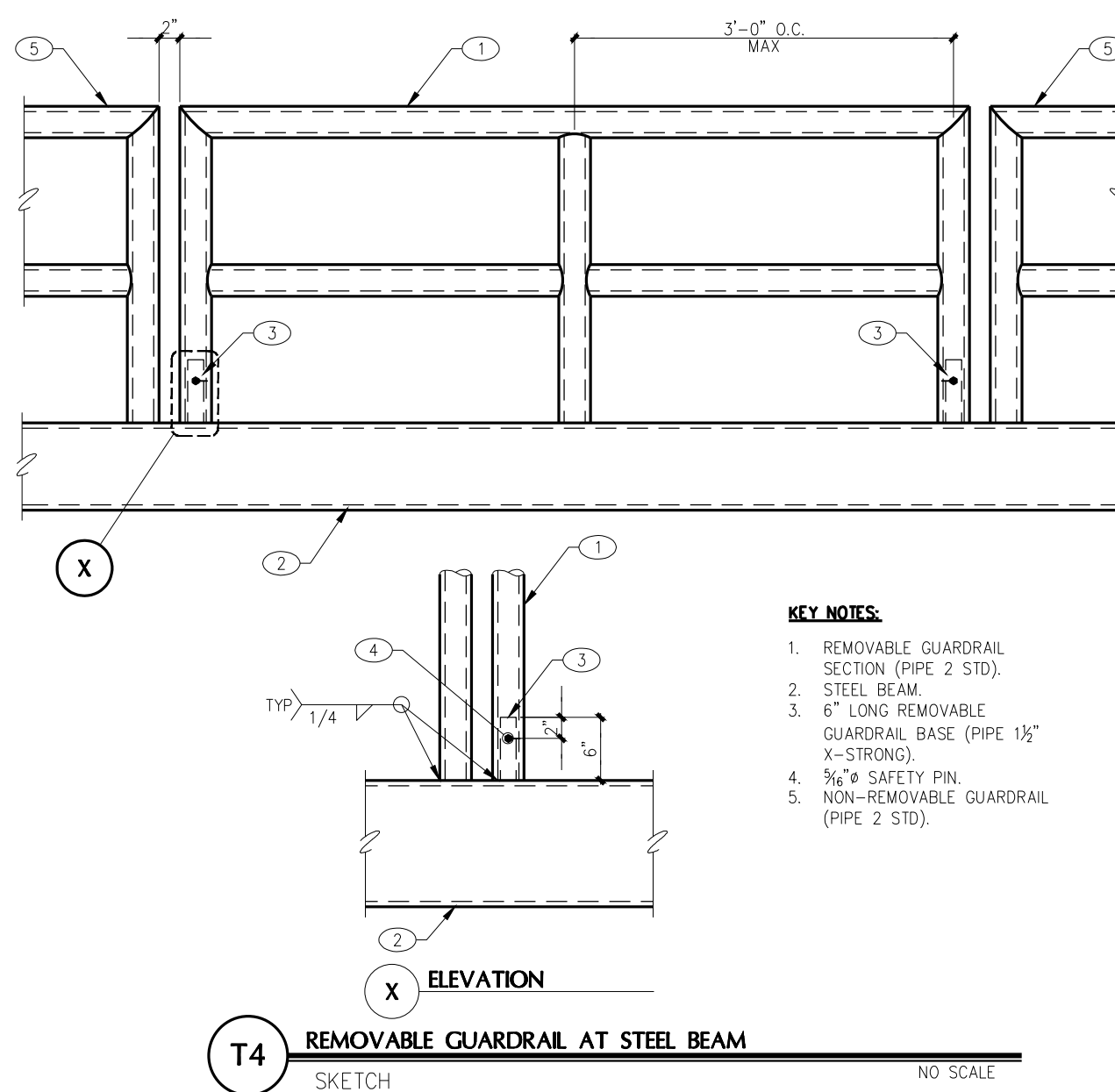


T2 TYPICAL SPLICE AT STEEL STAIR BEAM
STR0102 NO SCALE

KEY NOTES:
1. STEEL STAIR BEAM.
2. STEEL BAR GRATING PER ARCH DRAWINGS.
3. ANGLE 1X1/2" X 1/2" X 3/8" - TYPICAL.
4. WELD EACH END OF EACH ANGLE - TYPICAL.



T3 TYPICAL THREADS TO STEEL BEAM
STR0115 NO SCALE



T4 REMOVABLE GUARDRAT AT STEEL BEAM
SKETCH NO SCALE

DRAWING INDEX		
SHEET	DESCRIPTION	DETAILS
S1	GENERAL STRUCTURAL NOTES/TYPICAL DETAILS	T-SERIES
S2	FOUNDATION PLAN	---
S3	MEZZANINE FRAMING PLAN	---
S3.1	ROOF FRAMING PLAN	---
S4	FOUNDATION DETAILS	100-SERIES
S5	FRAMING DETAILS	200-SERIES

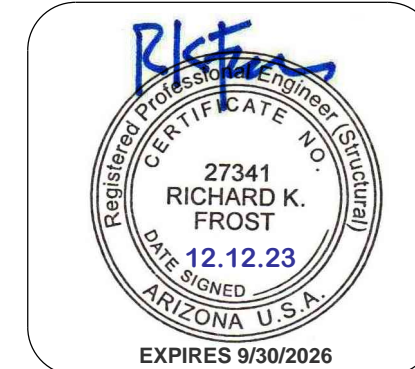
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JOB NO.: 23-059 PROJECT MANAGER: ANDY K CAD OPERATOR: IC

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REVISIONS	BY

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ARCHITECTURE & PLANNING

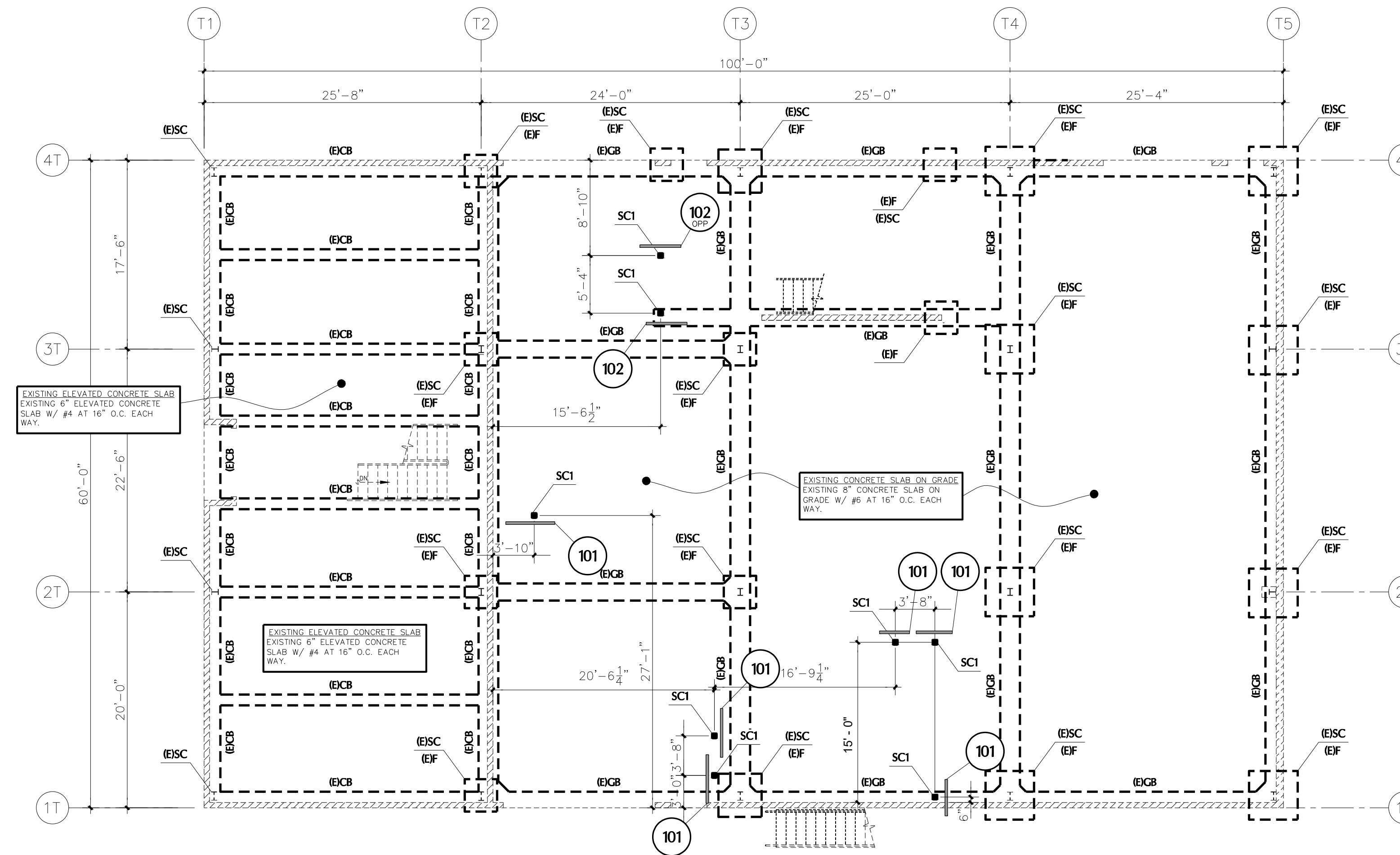
DRAWING: GENERAL STRUCTURAL NOTES/ TYPICAL DETAILS
PROJECT: Drake Building T1 Catwalk Addition
5001 E. Drake Rd.
Paulden, AZ 86334
APN: 305-06-001L

DRAWN BY
CHECKED BY
DATE
JOB NO. 795
SHEET

S1

STEEL COLUMN (SC) SCHEDULE				
MARK	SIZE	BASE CONNECTION	BASE CONNECTION TYPE	REMARKS
SC1	HSS4x4x¼	10" SQ. x 3/8" THK STEEL PLATE W/ (4) 3/4" DIA x 7" LONG EXPANSION ANCHORS	TYPE A	TOP OF SLAB

WALL SCHEDULE	
-HATCHING INDICATES STRUCTURAL ELEMENT CONTINUES TO THE NEXT LEVEL. (VERIFY WITH ARCHITECTURAL DRAWINGS). -SEE PLAN SCHEDULES, DETAILS, AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.	
	EXISTING 8" MASONRY (CMU) WALL
FOUNDATION PLAN NOTES	
1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS, AND FIELD CONDITIONS. 2. FOR LOCATION AND DETAILS SEE SHEET INDEX ON SHEET S1. 3. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT. 4. (E)SC - AS SHOWN ON PLAN INDICATES AN EXISTING STEEL COLUMN. 5. (E)F - AS SHOWN ON PLAN INDICATES AN EXISTING PAD FOOTING. 6. (E)CB - AS SHOWN ON PLAN INDICATES AN EXISTING GRADE BEAM. 7. (E)CB - AS SHOWN ON PLAN INDICATES AN EXISTING CONCRETE BEAM.	
8. SC1, SC2, ETC. - AS SHOWN ON PLAN INDICATES A STEEL COLUMN. SEE STEEL COLUMN SCHEDULE FOR ADDITIONAL INFORMATION. COLUMNS START AT THE LEVEL THEY ARE CALLED OUT ON.	

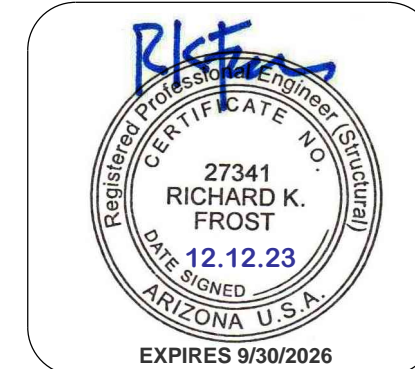


FOUNDATION PLAN

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

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DRAWING: FOUNDATION PLAN

PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334

APN: 303-06-001L

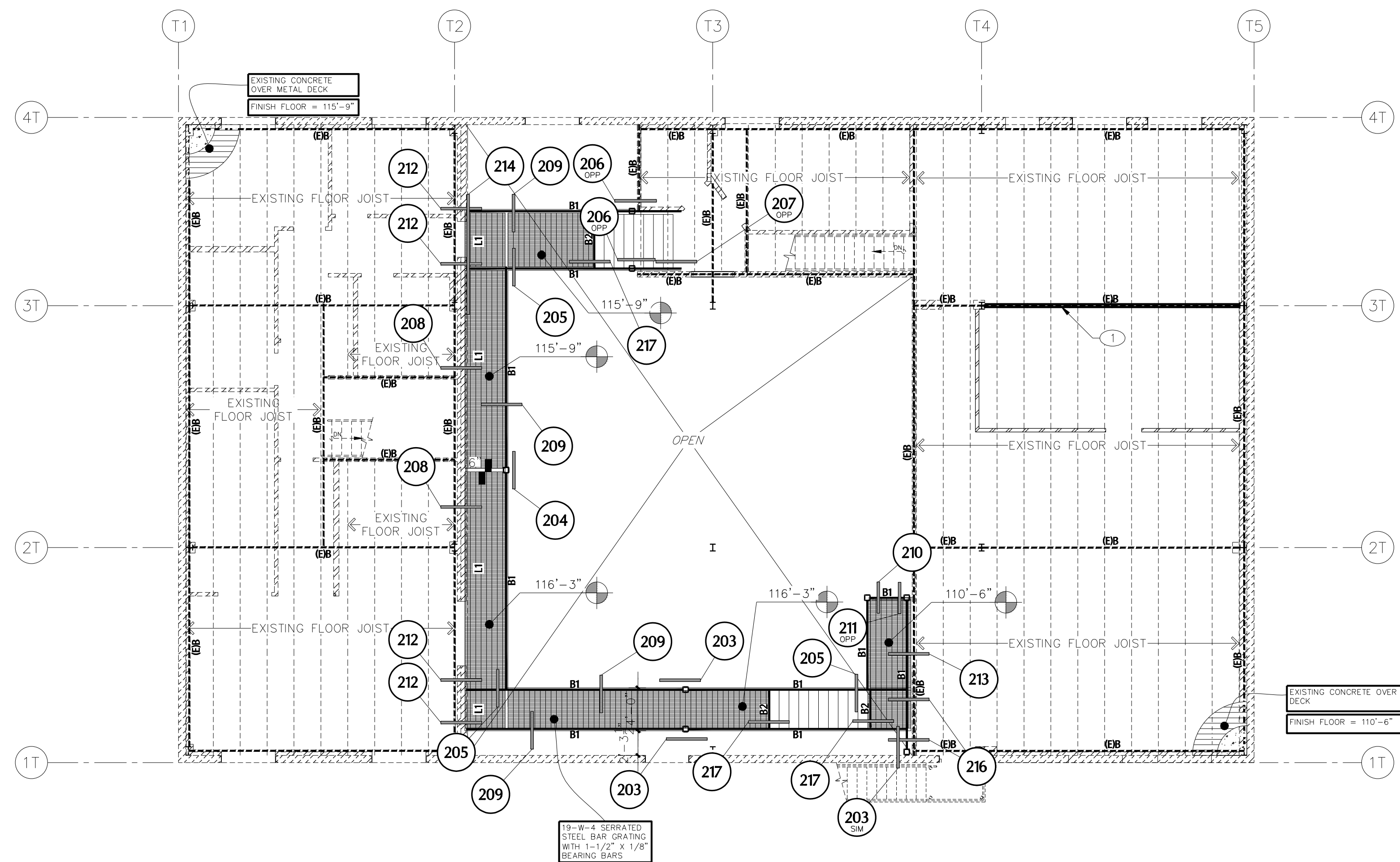
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S2



MEZZANINE FRAMING PLAN
SCALE: 1/8" = 1'-0"

WALL SCHEDULE	
NOTE:	SEE PLAN SCHEDULES, DETAILS AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
AS SHOWN ON PLANS	INDICATES-
	EXISTING 4" STUD WALL
	EXISTING 6" STUD WALL
	EXISTING 8" MASONRY (CMU) WALL
	6" STEEL STUD WALL STUDS: 6005162-43 MILS AT 16" O.C. (1) TRIMMER/(1) KING STUD EACH JAMB U.N.O. BEAM/ORDER POSTS. DOUBLE STUD (MIN. U.N.O.) SHEARWALL ENDPOSTS: DOUBLE STUD (MIN. U.N.O.)

FLOOR FRAMING PLAN NOTES		
1.	VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.	
2.	FOR LOCATION AND DETAILS SEE SHEET INDEX ON SHEET S1.	
3.	ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.	
4.	(E)B - AS SHOWN ON PLAN INDICATES AN EXISTING BEAM.	
5.	L1, L2, ETC. - AS SHOWN ON PLAN INDICATES A LEDGER. SEE LEDGER SCHEDULE FOR ADDITIONAL INFORMATION.	
6.	B1, B2, ETC. - AS SHOWN ON PLAN INDICATES A BEAM. SEE BEAM SCHEDULE FOR ADDITIONAL INFORMATION.	
7.	FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.	

BEAM (B) SCHEDULE		
MARK	SIZE	CAMBER
B1	HSS 12x3x3/16	---
B2	C8x11.5	---
B3	W12x45	---

LEDGER (L) SCHEDULE		
NOTES:		
1. ALL LEDGERS SHALL HAVE A MINIMUM OF (2) WELD PLATES OR ANCHOR BOLTS AS NOTED BELOW.		
2. WELD PLATES OR ANCHOR BOLTS SHALL BE LOCATED NOT LESS THAN 6" NOR MORE THAN 1'-4" FROM END OF LEDGER OR LEDGER SPICE.		
MARK	SIZE	CONNECTION
L1	L3x3x1/4	5/8"Øx5" LONG SIMPSON WEDGE ALL EXPANSION ANCHORS AT 24" O.C.

PLAN KEYNOTES	
①	NEW FOLDING PARTITION WALL ABOVE.

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DRAWING: MEZZANINE FRAMING PLAN

PROJECT: Drake Building T1 Catwalk Addition
5001 E. Drake Rd.
Paulden, AZ 86334

APN: 303-06-001L

DRAWN BY
CHECKED BY
DATE
JOB NO. 795
SHEET

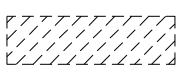
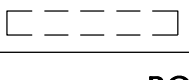
S3

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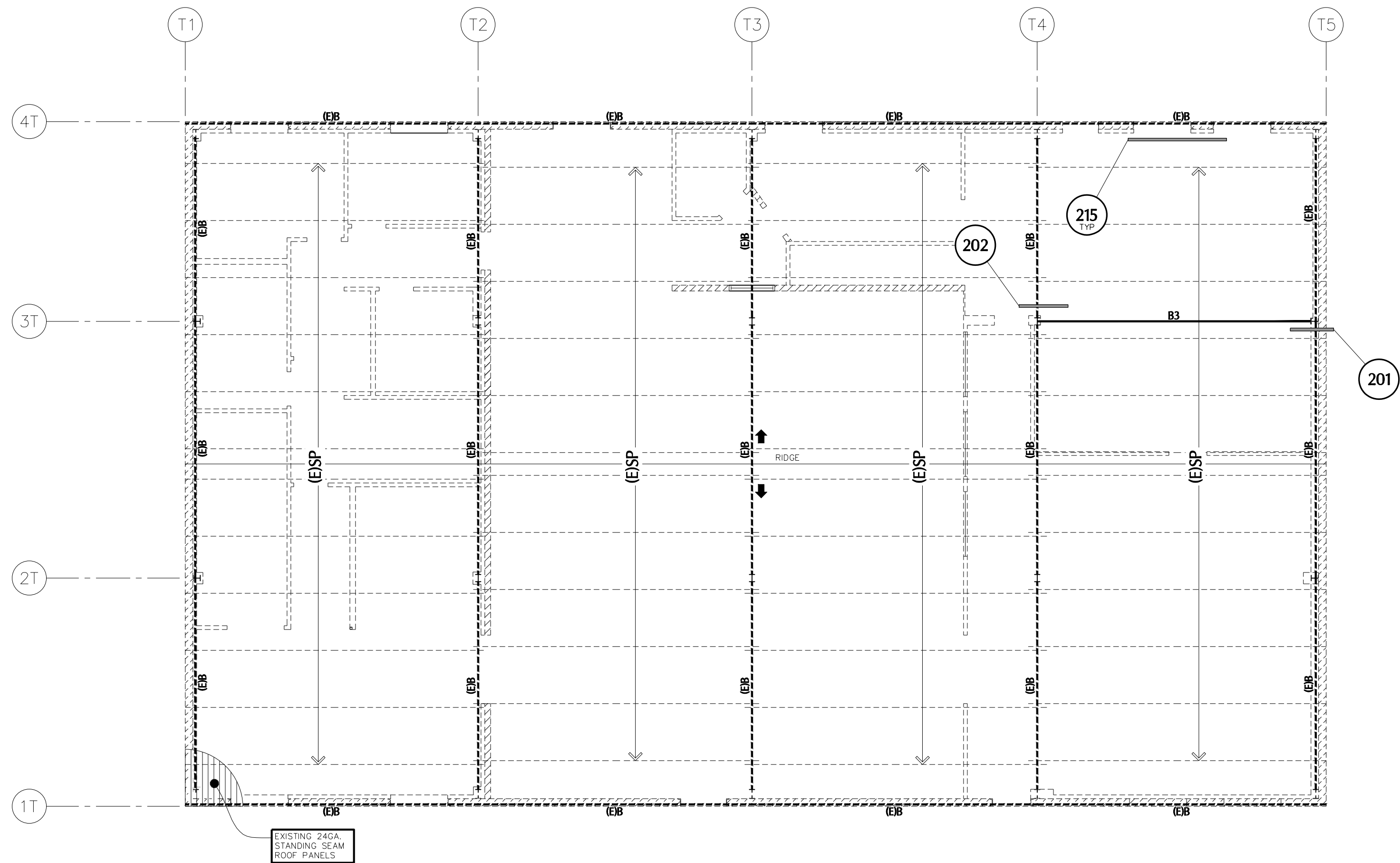
JOB NO.: 23-059 PROJECT MANAGER: ANDY K CAD OPERATOR: IC

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Dec 12, 2023 - 4:38pm

WALL SCHEDULE	
NOTE:	SEE PLAN SCHEDULES, DETAILS AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
AS SHOWN ON PLANS	INDICATES-
	EXISTING 8" MASONRY (CMU) WALL BELOW
	NON-STRUCTURAL WALL BELOW
ROOF FRAMING PLAN NOTES	
1.	VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2.	FOR LOCATION AND DETAILS SEE SHEET INDEX ON SHEET S1.
3.	ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
4.	B1, B2, ETC. - AS SHOWN ON PLAN INDICATES A BEAM. SEE BEAM SCHEDULE FOR ADDITIONAL INFORMATION.
5.	(ESP) - AS SHOWN ON PLAN INDICATES AN EXISTING STEEL PURLIN.
6.	(EB) - AS SHOWN ON PLAN INDICATES AN EXISTING BEAM.

BEAM (B) SCHEDULE		
MARK	SIZE	CAMBER
B1	HSS 12x3x3/16	---
B2	C6x11.5	---
B3	W12x45	---



ROOF FRAMING PLAN

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

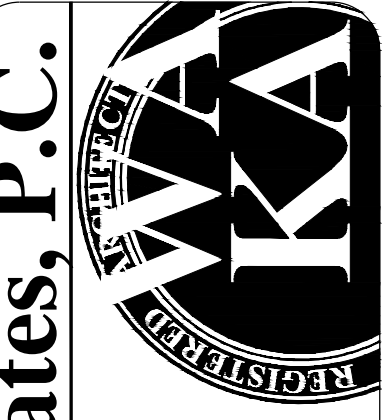
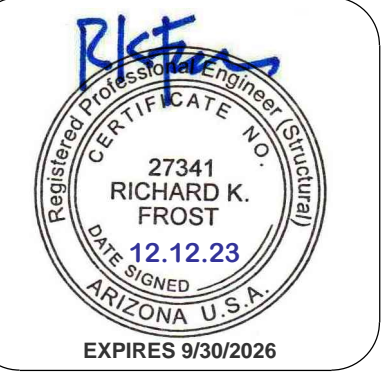
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JOB NO.: 23-059 PROJECT MANAGER: ANDY K CAD OPERATOR: IC

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REVISIONS	BY

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ARCHITECTURE & PLANNING

DRAWING: ROOF FRAMING PLAN

PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334

APN: 303-06-001L

DRAWN BY
CHECKED BY
DATE
JOB NO. 795
SHEET

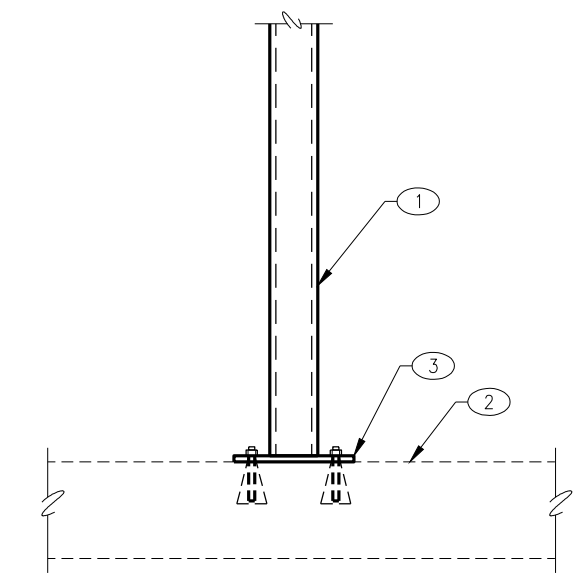
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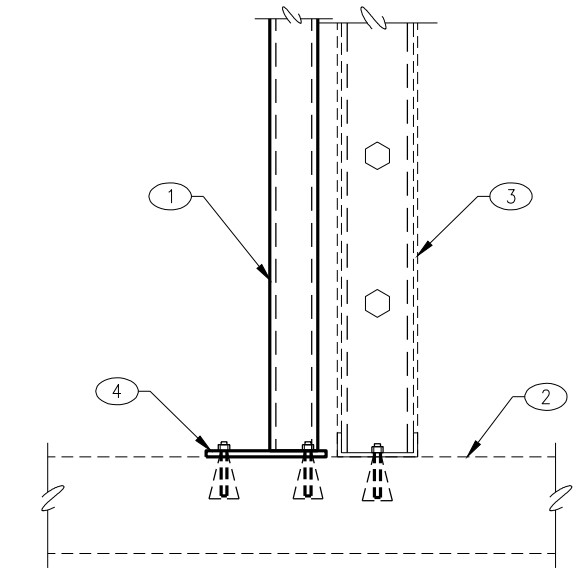


- KEY NOTES:**
1. STEEL COLUMN
 2. EXISTING CONCRETE SLAB
 3. BASE PLATE AND ANCHORS PER STEEL COLUMN SCHEDULE.



101 STEEL COLUMN AT EXISTING CONCRETE SLAB
09.1-E-SC-ECS0101 NO SCALE

- KEY NOTES:**
1. STEEL COLUMN
 2. EXISTING CONCRETE SLAB
 3. EXISTING STEEL STUD WALL
 4. BASE PLATE AND ANCHORS PER STEEL COLUMN SCHEDULE.



102 STEEL COLUMN AT EXISTING CONCRETE SLAB
SKETCH NO SCALE

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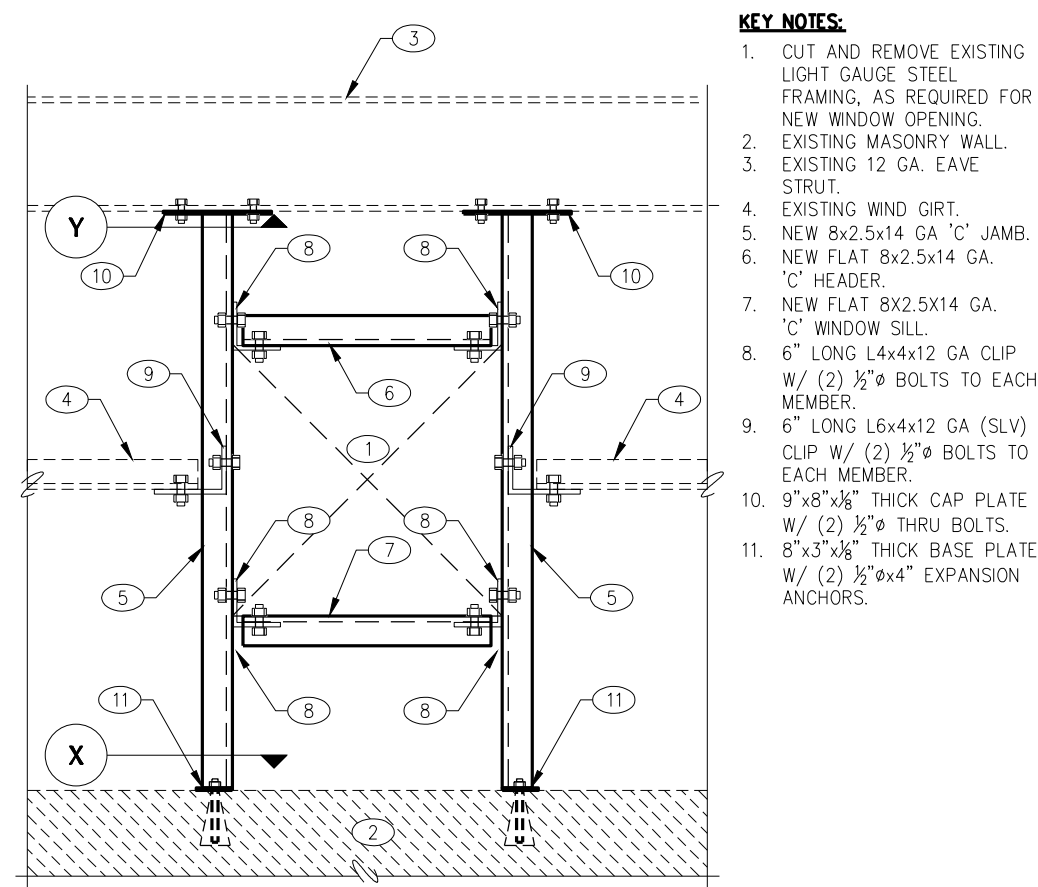
DRAWING: FOUNDATION / FRAMING DETAILS

PROJECT: Drake Building T1 Catwalk Addition
5001 E. Drake Rd.
Paulden, AZ 86334

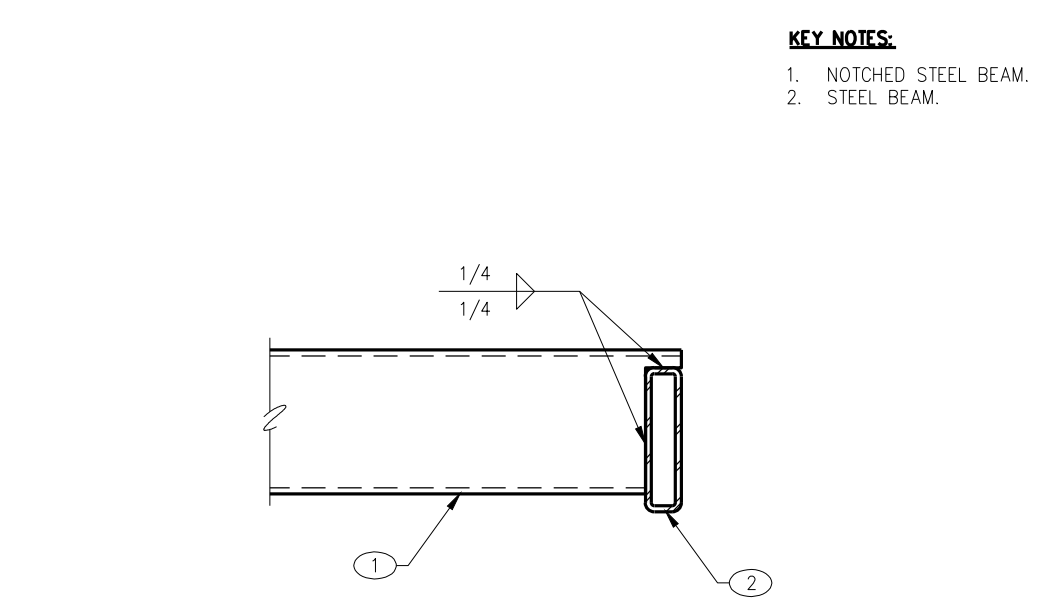
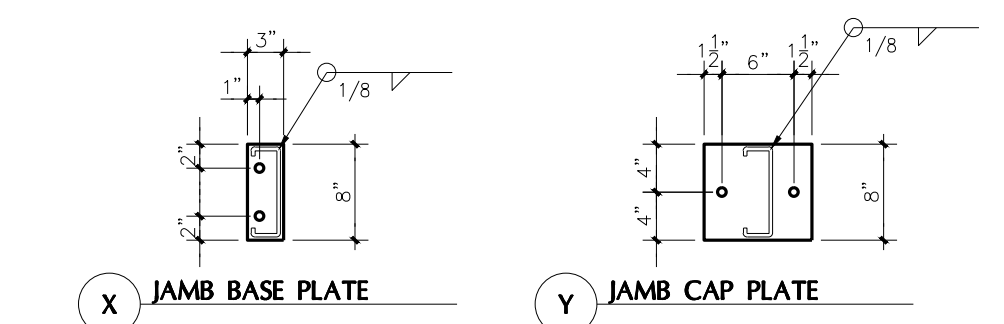
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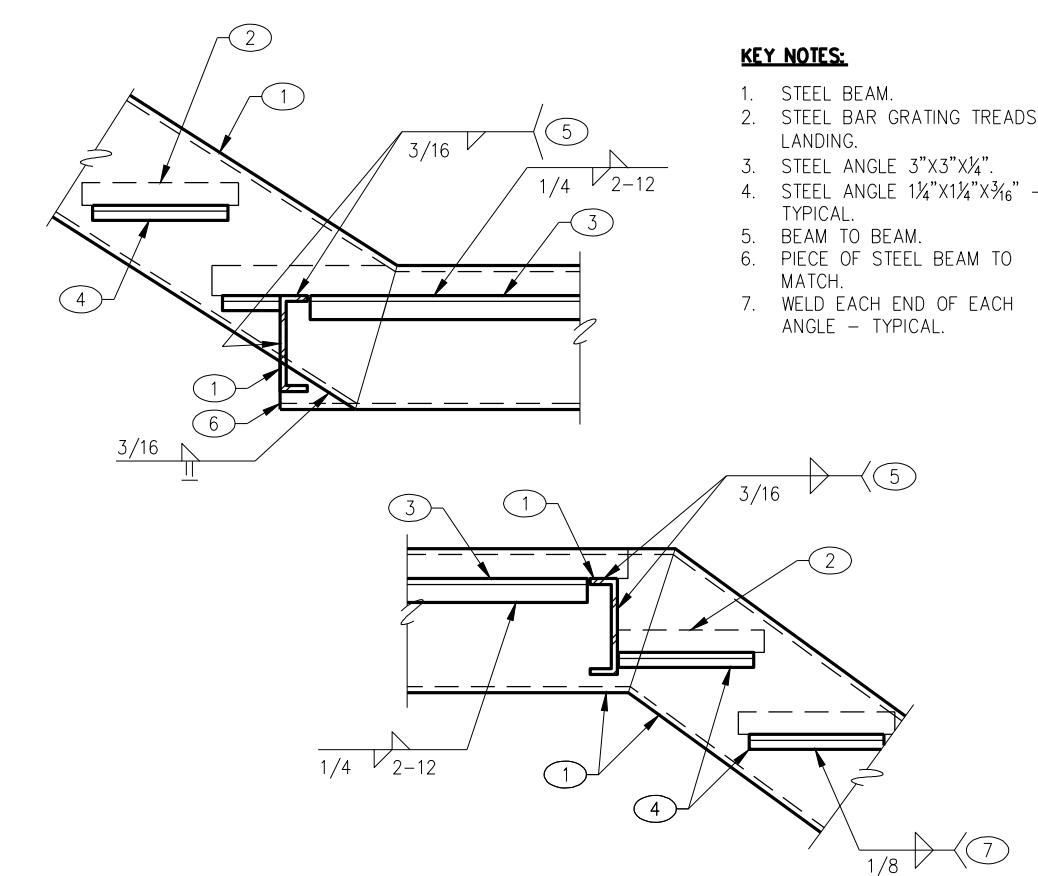
S4



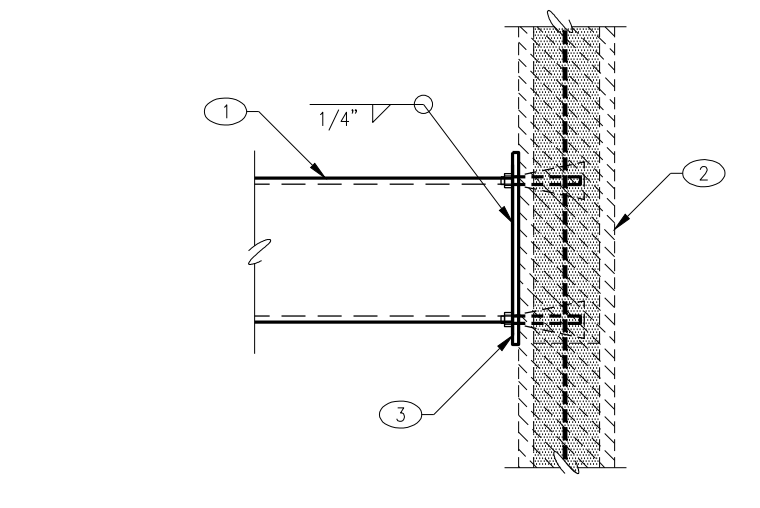
215 NEW WINDOW OPENING IN EXISTING WALL NO SCALE SKETCH



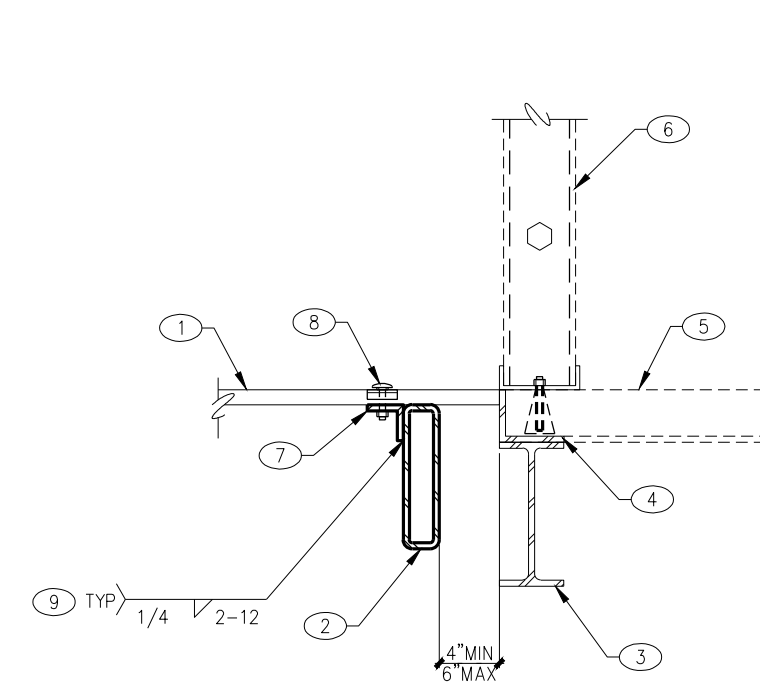
216 STEEL BEAM AT STEEL BEAM NO SCALE SKETCH



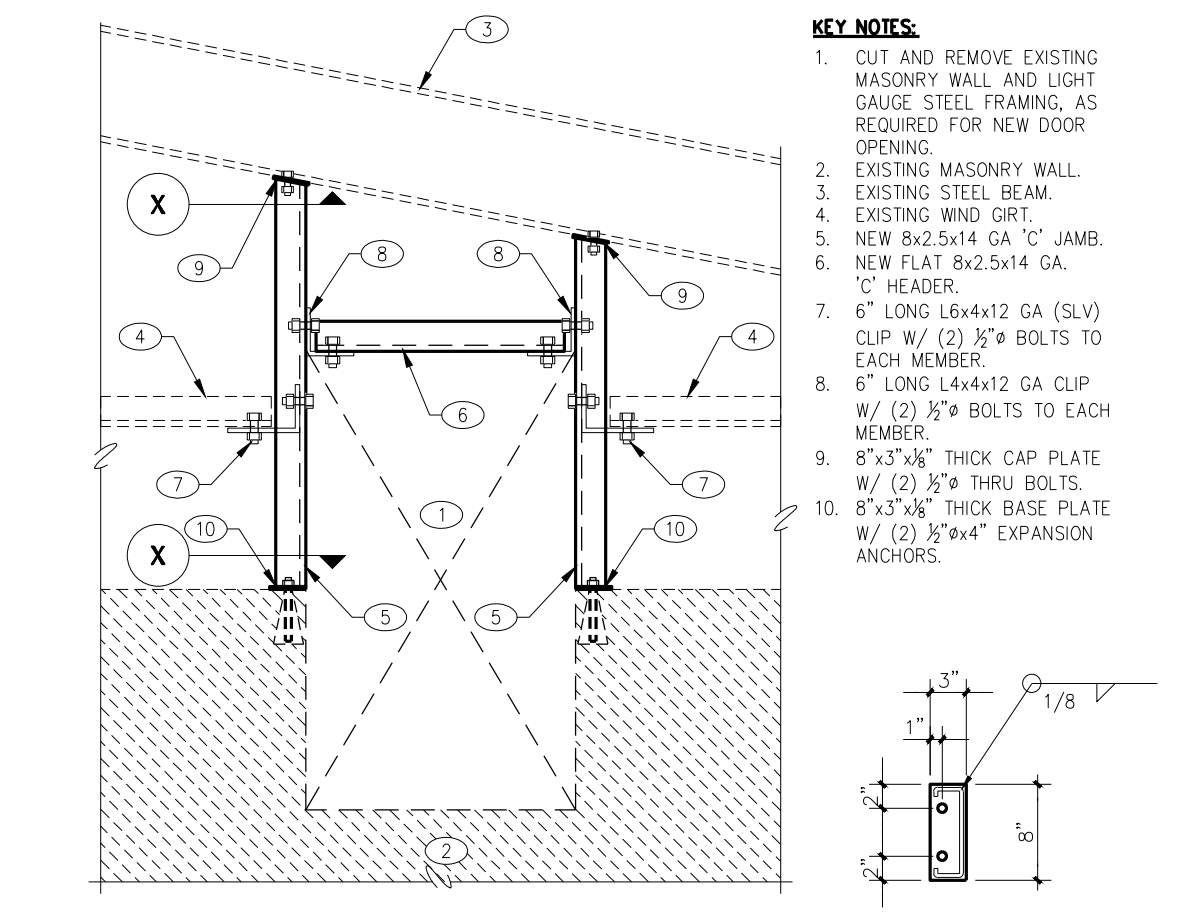
217 STEEL BEAM CONNECTION AT LANDING NO SCALE STR0105



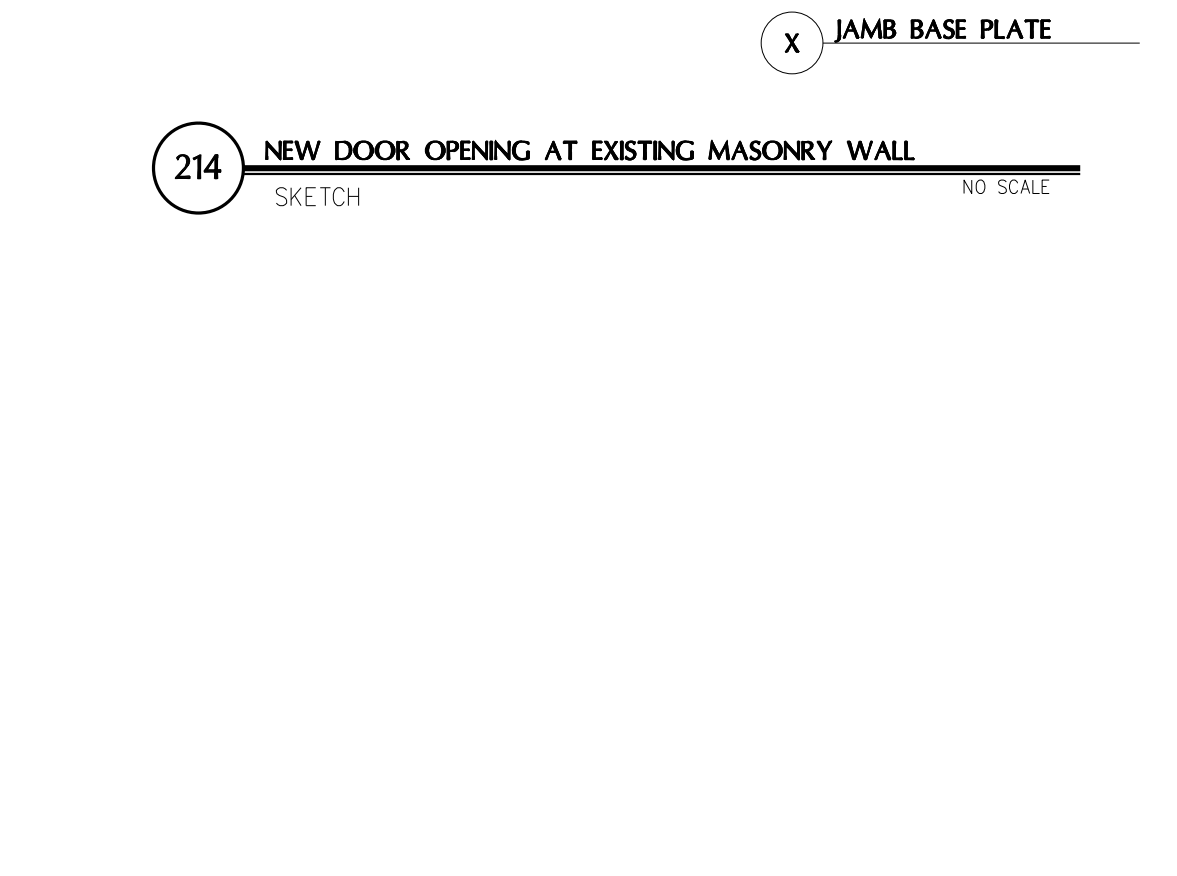
212 STEEL BEAM AT EXISTING MASONRY WALL NO SCALE



213 STEEL BAR GRATING AT STEEL BEAM NO SCALE SKETCH



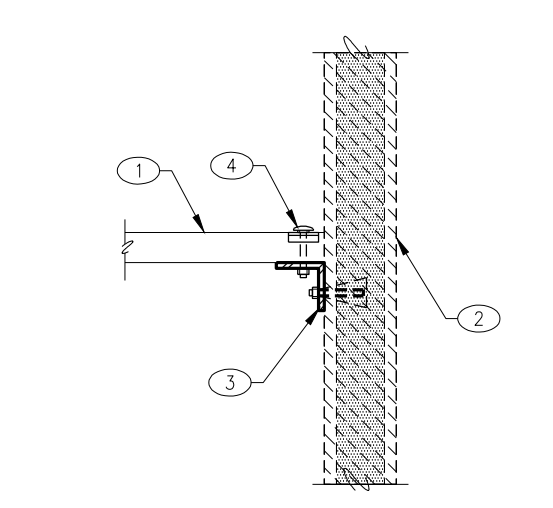
214 NEW DOOR OPENING AT EXISTING MASONRY WALL NO SCALE SKETCH



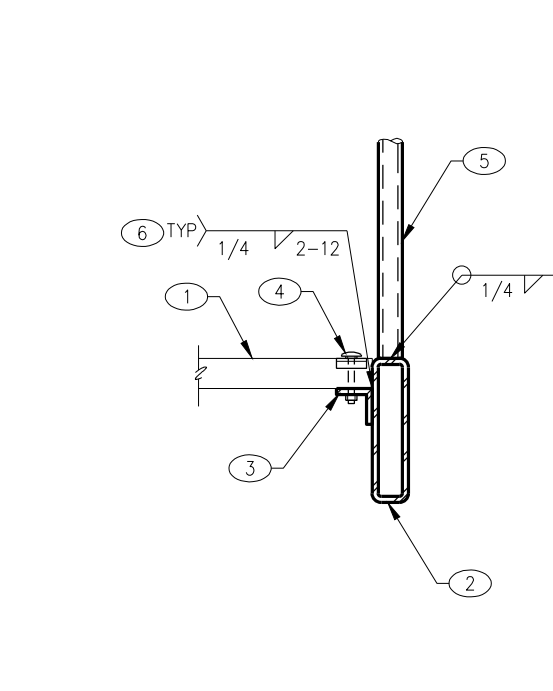
KEY NOTES:
1. STEEL BEAM.
2. EXISTING MASONRY WALL.
3. 15'x17'x3/8\"/>

KEY NOTES:
1. STEEL BAR GRATING.
2. STEEL BEAM.
3. EXISTING STEEL BEAM.
4. EXISTING CONTINUOUS STEEL ANGLE POUR STOP.
5. EXISTING CONCRETE SLAB OVER METAL DECK.
6. EXISTING STEEL STUD WALL.
7. CONTINUOUS L3x3x1/2\"/>

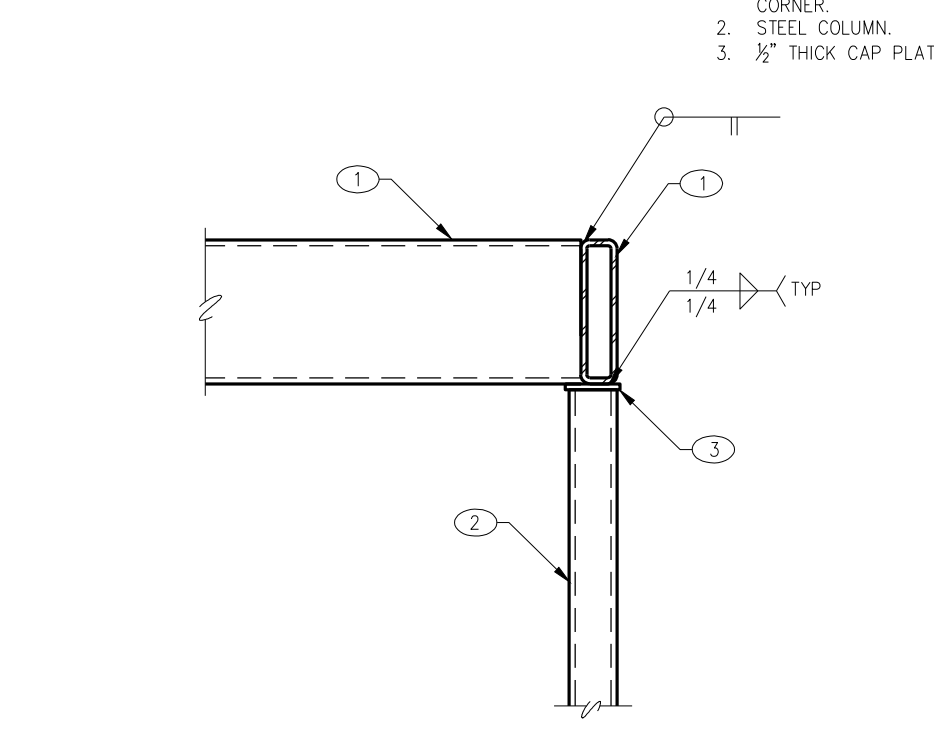
KEY NOTES:
1. CUT AND REMOVE EXISTING MASONRY WALL AND LIGHT GAUGE STEEL FRAMING, AS REQUIRED FOR NEW DOOR OPENING.
2. EXISTING MASONRY WALL.
3. EXISTING STEEL BEAM.
4. EXISTING WIND ORT.
5. NEW 8x2.5x14 GA 'C' JAMB.
6. NEW FLAT 8x2.5x14 GA 'C' HEADER.
7. 6' LONG L6x6x12 GA (SLV) CLIP W/ (2) 3/8\"/>



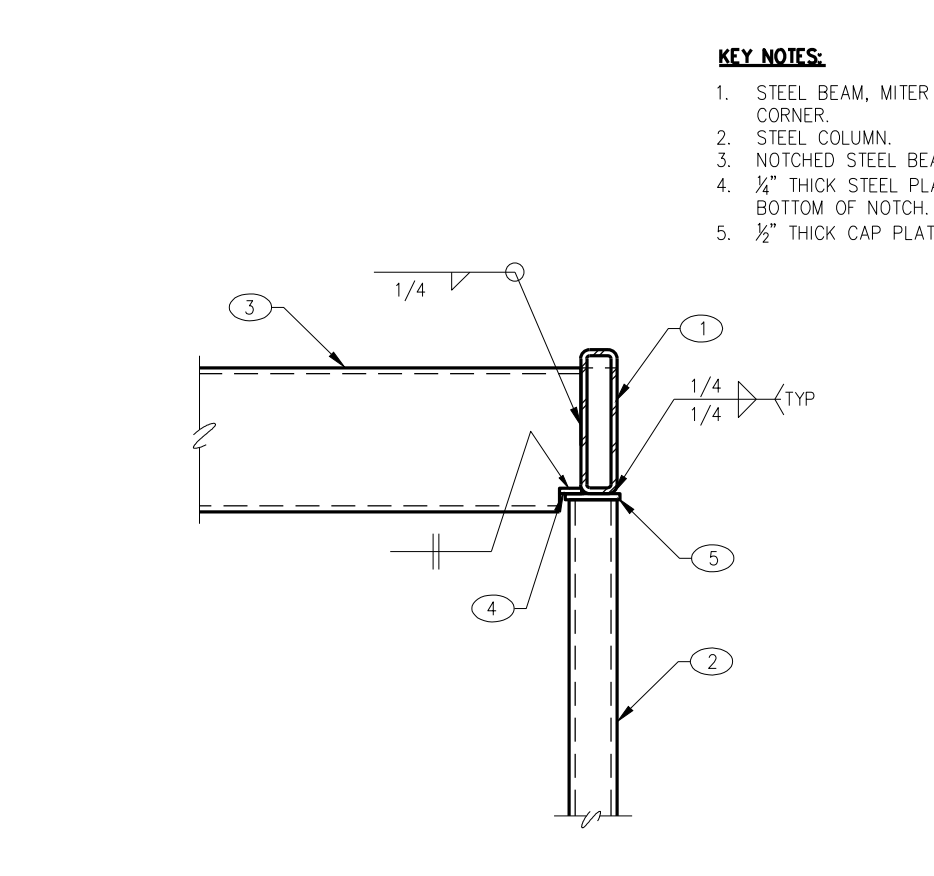
208 STEEL BAR GRATING AT EXISTING MASONRY WALL NO SCALE SKETCH



209 STEEL BAR GRATING AT STEEL BEAM NO SCALE SKETCH



210 STEEL BEAM AT STEEL COLUMN NO SCALE SKETCH



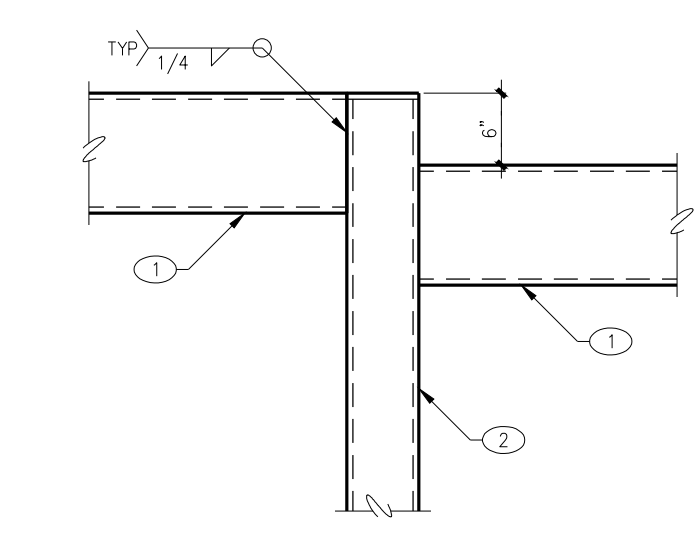
211 STEEL BEAM AT STEEL COLUMN NO SCALE SKETCH

KEY NOTES:
1. STEEL BAR GRATING.
2. STEEL BEAM.
3. CONTINUOUS STEEL LEDGER.
4. GRATING SADDLE CLIP WITH 1/2\"/>

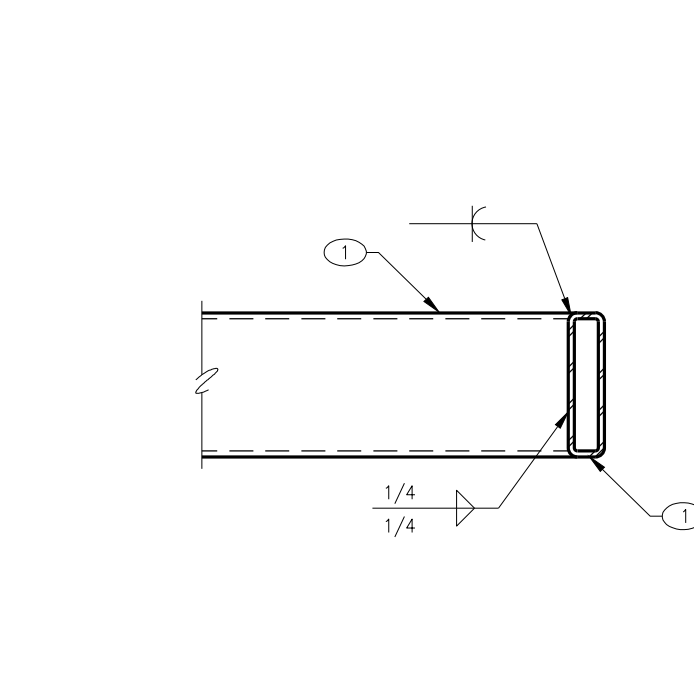
KEY NOTES:
1. STEEL BAR GRATING.
2. STEEL BEAM.
3. CONTINUOUS L3x3x1/2\"/>

KEY NOTES:
1. STEEL BEAM, MITER BEAMS AT CORNER.
2. STEEL COLUMN.
3. 3/2\"/>

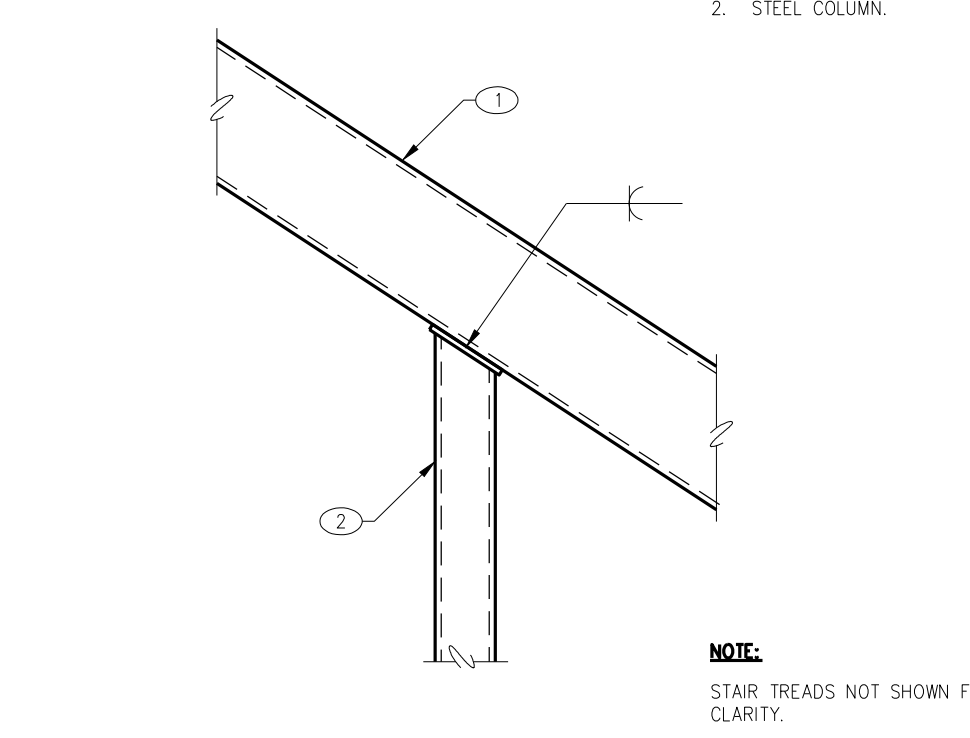
KEY NOTES:
1. STEEL BEAM, MITER BEAMS AT CORNER.
2. STEEL COLUMN.
3. NOTCHED STEEL BEAM.
4. 3/2\"/>



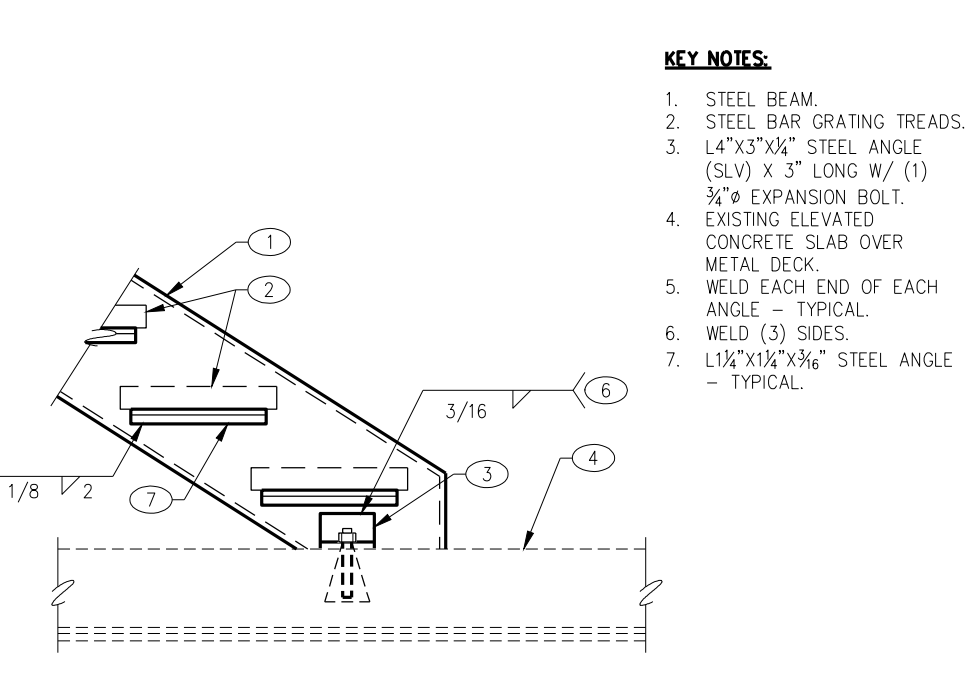
204 STEEL BEAM AT STEEL COLUMN NO SCALE



205 STEEL BEAM AT STEEL BEAM NO SCALE SKETCH



206 STEEL BEAM AT STEEL COLUMN NO SCALE SKETCH



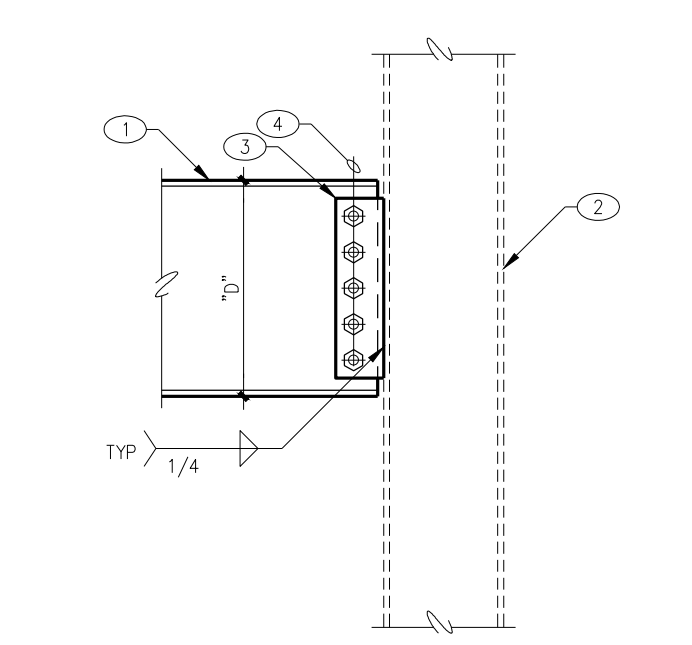
207 STEEL BEAM AT EXISTING ELEVATED CONCRETE SLAB NO SCALE STR0114

KEY NOTES:
1. STEEL BEAM.
2. STEEL COLUMN.

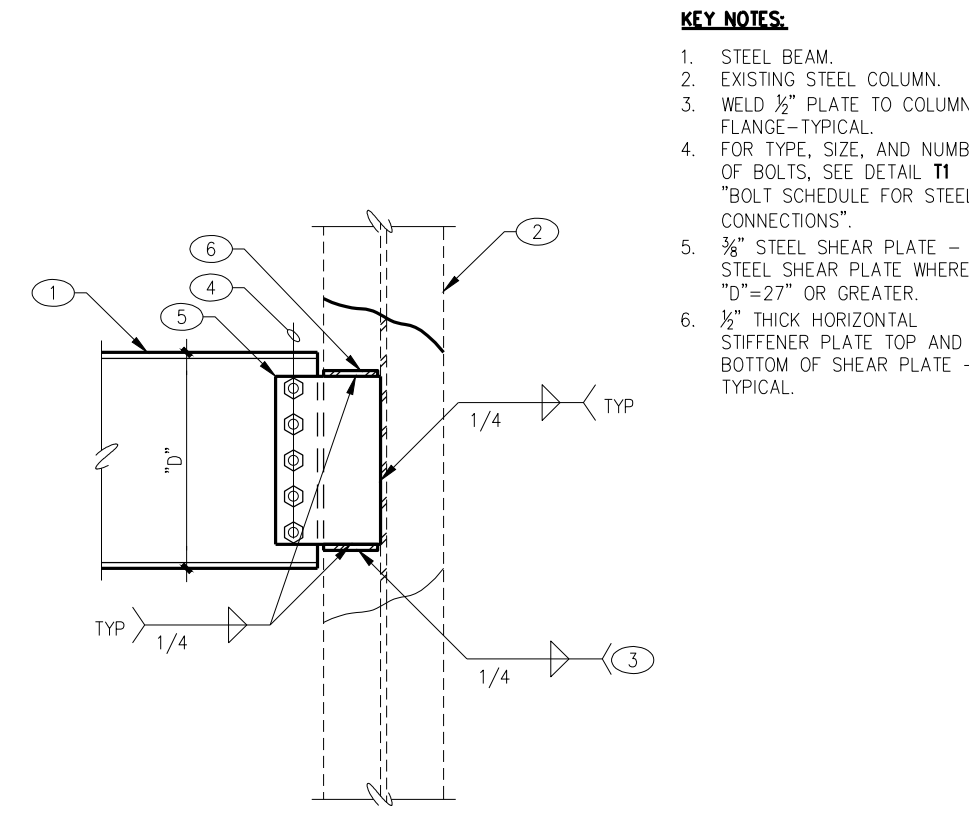
KEY NOTES:
1. STEEL BEAM.
2. STEEL COLUMN.

KEY NOTES:
1. STEEL BEAM.
2. STEEL COLUMN.

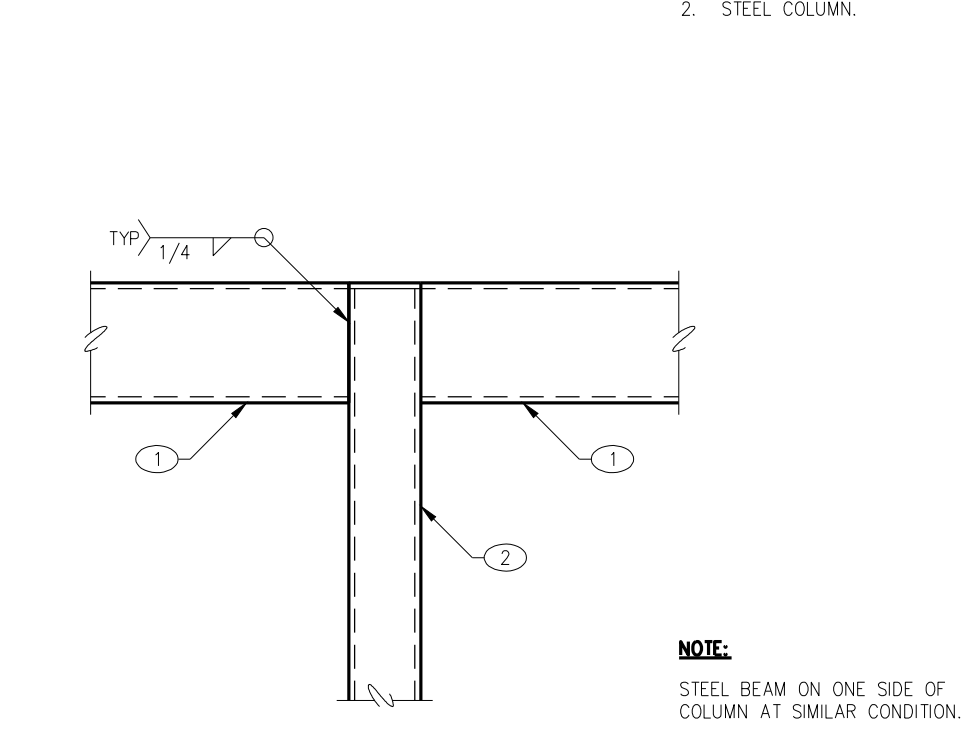
KEY NOTES:
1. STEEL BEAM.
2. STEEL BAR GRATING TREADS.
3. L4'x3'x1/2\"/>



201 STEEL BEAM AT EXISTING STEEL COLUMN NO SCALE



202 STEEL BEAM AT EXISTING STEEL COLUMN NO SCALE



203 STEEL BEAM AT STEEL COLUMN NO SCALE

KEY NOTES:
1. STEEL BEAM.
2. EXISTING STEEL COLUMN.
3. WELD 3/2\"/>

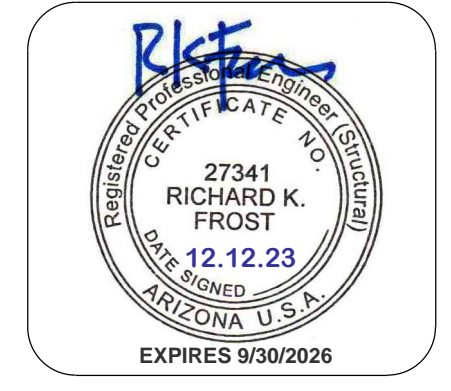
KEY NOTES:
1. STEEL BEAM.
2. EXISTING STEEL COLUMN.
3. WELD 3/2\"/>

KEY NOTES:
1. STEEL BEAM.
2. STEEL COLUMN.

NOTE:
STEEL BEAM ON ONE SIDE OF COLUMN AT SIMILAR CONDITION.

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DRAWING: FOUNDATION / FRAMING DETAILS
PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334
APN: 303-06-001L

DRAWN BY
CHECKED BY
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JOB NO. 795
SHEET

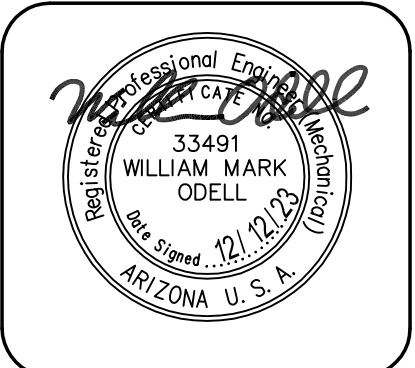
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JOB NO.: 23-059 PROJECT MANAGER: ANDY K CAD OPERATOR: IC

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ARCHITECTURE & PLANNING

DRAWING: Mechanical Second Floor Plan
PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334
APN: 303-06-001L

DRAWN BY
CHECKED BY
DATE
 August 28th, 2023
JOB NO.
 795
SHEET

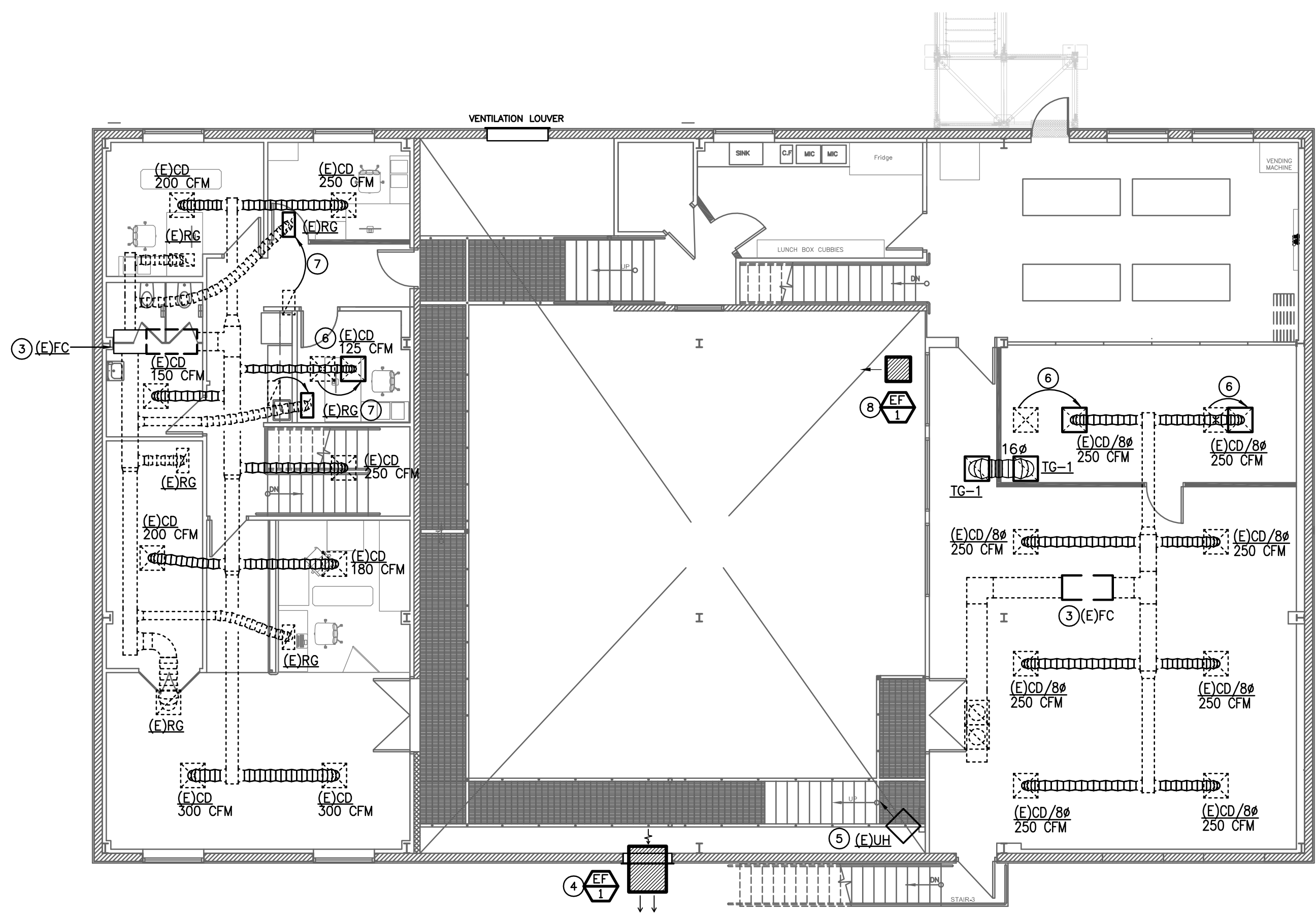
M1.0

KEYNOTES

- EXISTING WALL MOUNTED EXHAUST FAN TO BE REMOVED. PREPARE WALL OPENING FOR NEW EXHAUST FAN.
- EXISTING ELECTRIC UNIT HEATER TO BE RELOCATED HIGHER AND APPROXIMATELY 9 FEET ABOVE NEW CATWALK. SEE NEW MECHANICAL FLOOR PLAN.
- EXISTING FAN COIL ABOVE CEILING TO REMAIN.
- NEW WALL MOUNTED EXHAUST FAN MOUNTED AT LOCATION OF EXISTING FAN REMOVED. FAN SHALL BE PROVIDED WITH GALVANIZED STEEL ENCLOSURE WITH WEATHER RESISTANT SHUTTER MOUNTED ON EXTERIOR SIDE OF WALL. FAN VFD/CONTROLLER TO BE LOCATED AT AND REPLACING THAT OF THE EXISTING FAN. FIELD VERIFY AND COORDINATE WITH OWNER.
- RELOCATED EXISTING ELECTRIC UNIT HEATER. EXTEND POWER AND CONTROL WIRING AS REQUIRED.
- RELOCATE EXISTING SUPPLY DIFFUSERS AS SHOWN. PROVIDE NEW OR EXTEND EXISTING FLEX DUCT AS REQUIRED.
- RELOCATE EXISTING RETURN GRILLE AS SHOWN. PROVIDE NEW OR EXTEND EXISTING FLEX DUCT AS REQUIRED.
- NEW ELECTRIC HEATER MOUNTED AT APPROXIMATELY 13' ABOVE 1ST FLOOR. PROVIDE WITH T-STAT/CONTRLLER ON 1ST FLOOR. COORDINATE WITH OWNER EXACT LOCATION.

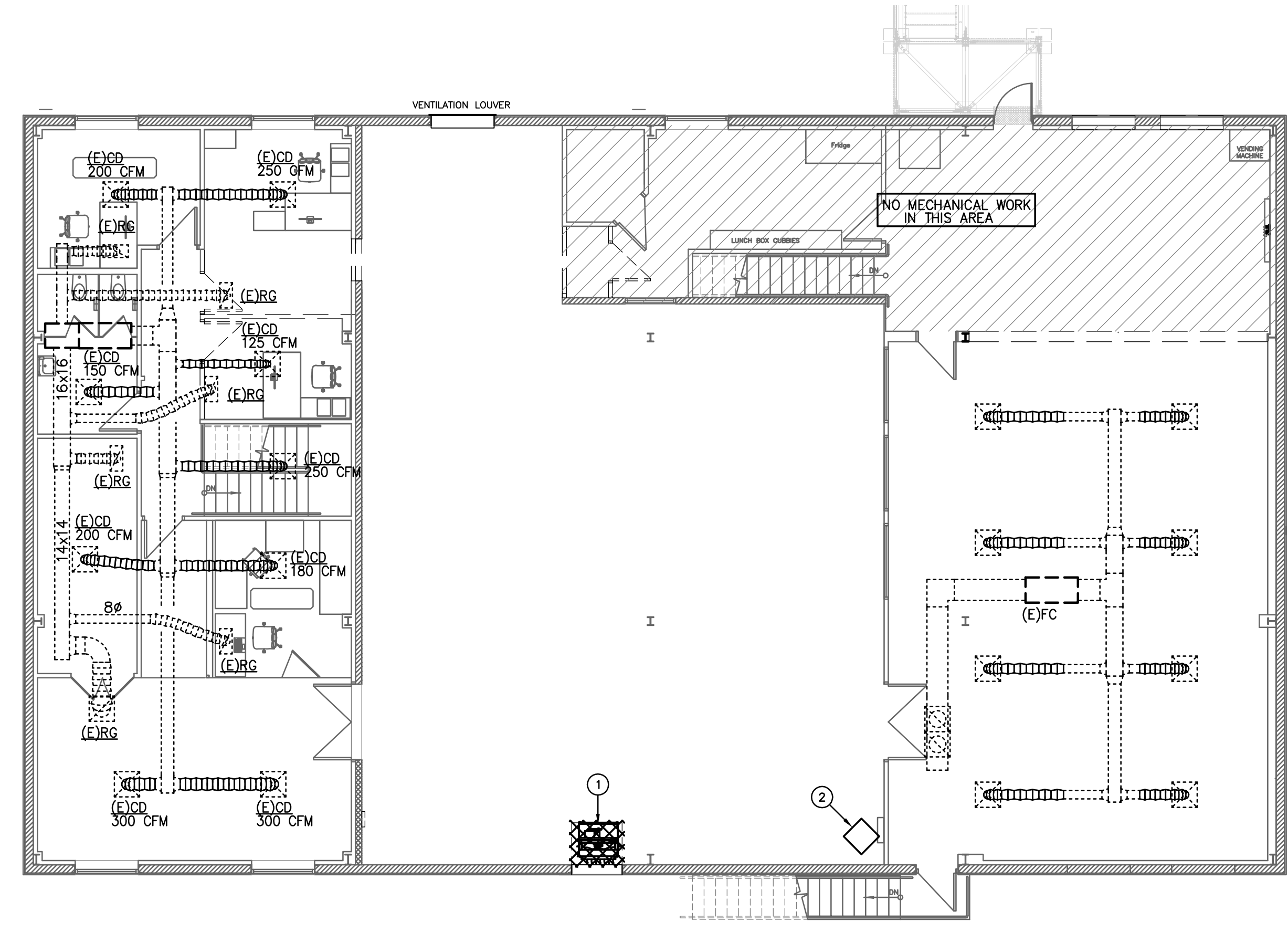
EXISTING CONDITIONS NOTE

EXISTING HVAC SYSTEMS SHOWN ON THESE PLANS ARE APPROXIMATE BASED ON LIMITED VISUAL INSPECTION AND ARE MEANT TO CONVEY SCOPE. VERIFY EXISTING CONDITIONS BEFORE COMMENCING WORK.



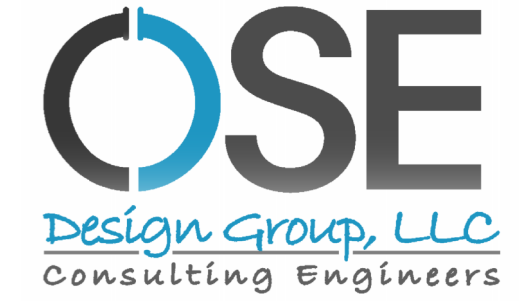
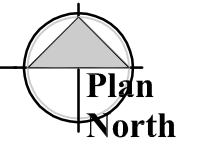
2 Proposed Mechanical Second Floor Plan

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



1 Existing Mechanical Second Floor Plan

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



611 West Botano Ave
 Prescott, AZ 86301
 (602) 499-0001
 Project #23038
 11758 N. 143rd Ave.
 Surprise, AZ 85379
 (623) 444-6143

MECHANICAL SPECIFICATIONS

GENERAL REQUIREMENTS

GENERAL PROVISIONS WHICH MAKE SPECIFIC REFERENCE TO ELECTRICAL DIVISION ONLY ARE INCLUDED HEREIN FOR CLARITY AND SIMPLIFICATION OF SPECIFICATIONS WRITING AND ARE NOT PART OF THE MECHANICAL WORK. THE WORK OF DIVISION 15, MECHANICAL, IS SUBJECT TO THE CONDITIONS OF THE CONDITIONS OF THE CONTRACT, DIVISION 1, GENERAL REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF OTHER PORTIONS OF THE CONTRACT DOCUMENTS. EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS AND COORDINATE THE MECHANICAL WORK ACCORDINGLY.

INTENT

IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON THE DRAWINGS, BUT MENTIONED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. SHALL THERE APPEAR TO BE DISCREPANCIES OR QUESTIONS OF INTENT IN THE CONTRACT DOCUMENTS, REFER THE MATTER TO THE ARCHITECT FOR HIS DECISION BEFORE ORDERING ANY MATERIALS OR EQUIPMENT OR BEFORE THE START OF ANY RELATED WORK. THE DECISION OF THE ARCHITECT SHALL BE FINAL, CONCLUSIVE AND BINDING.

DRAWINGS AND DATA

DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE OF WORK AND TO INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTS, CONDUITS, PIPING AND FIXTURES. THEY ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTINGS OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT PROJECT AND SHALL HAVE APPROVAL OF ARCHITECT BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS. IF SO DIRECTED BY ARCHITECT, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF WORK. INCLUDE MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION OF A SYSTEM OR PIECE OF EQUIPMENT IN BID PRICE.

CODES

INCLUDE IN WORK, WITHOUT EXTRA COST TO OWNER, LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) REQUIRED TO COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS. DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT THAN CODES, ORDINANCES, STANDARDS AND STATUTES. CODES, ORDINANCES, STANDARDS AND STATUTES TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH DRAWINGS OR SPECIFICATIONS. FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS AND CODES ARE MINIMUM REQUIREMENTS:

- A. APPLICABLE CITY, COUNTY, AND STATE MECHANICAL, ELECTRICAL, GAS, PLUMBING, HEALTH AND SANITARY CODES, LAWS AND ORDINANCES.
- B. CITY OR OTHER APPLICABLE BUILDING CODES.
- C. 2018 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS.
- D. REGULATIONS, PERMITS, INSPECTIONS: COMPLY WITH ALL APPLICABLE CODED, RULES AND REGULATIONS. ALL MATERIALS, EQUIPMENT AND WORK MUST CONFORM TO THE INTERNATIONAL MECHANICAL CODE. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

GENERAL

MATERIALS AND EQUIPMENT STANDARD PRODUCTS OF A REPUTABLE MANUFACTURER REGULARLY ENGAGED IN MANUFACTURE OF THE SPECIFIED ITEMS. WHERE MORE THAN ONE UNIT IS REQUIRED OF ANY ITEM, FURNISHED BY THE SAME MANUFACTURER, EXCEPT WHERE SPECIFIED OTHERWISE. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SHOULD VARIANCE BETWEEN PLANS AND SPECIFICATIONS OCCUR WITH THESE, CONTACT ARCHITECT IMMEDIATELY SO THAT VARIATIONS IN INSTALLATION CAN BE KNOWN BY ALL PARTIES CONCERNED. PROVIDE EQUIPMENT FROM MANUFACTURER WHOSE PRODUCTS HAVE LOCAL REPRESENTATION.

EXECUTION

PROTECT EXISTING ACTIVE SERVICES (WATER, GAS, SEWER, ELECTRIC) WHEN ENCOUNTERED, AGAINST DAMAGE FROM CONSTRUCTION WORK. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES WHICH ARE TO REMAIN. IF WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, CONSULT WITH OWNER AS TO DATES, PROCEDURES, AND ESTIMATED DURATION OF AT LEAST 10 WORKING DAYS IN ADVANCE OF DATE WHEN WORK IS TO BE PERFORMED. ARRANGE WORK FOR CONTINUOUS PERFORMANCE TO ASSURE THAT EXISTING OPERATING SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME REQUIRED TO MAKE NECESSARY CONNECTIONS. IF A SYSTEM CANNOT SHUT DOWN, INSTALL TEMPORARY BYPASSES OR JUMPERS UNTIL CONNECTIONS ARE COMPLETE. CONTRACTOR RESPONSIBLE FOR ALL COSTS INCURRED BY ABOVE SHUTDOWNS, INCLUDING BYPASS OR JUMPER INSTALLATIONS, FOR WORK PERFORMED UNDER THIS SECTION. IF EXISTING ACTIVE UTILITY SERVICES ARE ENCOUNTERED WHICH REQUIRE RELOCATION, MAKE REQUEST TO PROPER AUTHORITIES FOR DETERMINATION OF PROCEDURES. PROPERLY TERMINATE EXISTING SERVICES TO BE ABANDONED IN CONFORMANCE WITH REQUIREMENTS OF AUTHORITIES. WHERE CONNECTIONS OR DISRUPTIONS ARE MADE TO EXISTING SYSTEMS, REACTIVATE, REFILL, AND RECHARGE ALL COMPONENTS AND RESTORE SYSTEMS TO OPERATING CONDITIONS AT TIME OF DISRUPTION.

GUARANTEE

EACH COMPLETE SYSTEM GUARANTEED BY CONTRACTOR FOR A PERIOD OF ONE YEAR, FROM DATE OF ACCEPTANCE OF WORK BY OWNER IN WRITING, TO BE FREE OF DEFECTS OF MATERIALS AND WORKMANSHIP, AND TO PERFORM SATISFACTORILY UNDER ALL CONDITIONS OF LOAD OR SERVICE. THE GUARANTEES PROVIDE THAT ANY ADDITIONAL CONTROLS, PROTECTIVE DEVICES, OR EQUIPMENT BE PROVIDED AS NECESSARY TO MAKE THE SYSTEM OF EQUIPMENT OPERATE SATISFACTORILY, AND THAT ANY FAULTY MATERIALS OR WORKMANSHIP BE REPLACED OR REPAIRED, ON FAILURE OF GUARANTOR TO DO THE ABOVE AFTER WRITTEN NOTICE FROM OWNER, THE OWNER MAY HAVE THE WORK DOWN AT THE COST OF GUARANTOR. LOSS OF REFRIGERANT IS CONSIDERED A DEFECT IN WORKMANSHIP AND/OR EQUIPMENT, TO BE CORRECTED AS REQUIRED AT NO EXTRA COST TO THE OWNER. PROVIDE EXTENDED FIVE (5) YEAR FACTORY PARTS & LABOR WARRANTY ON ALL AIR CONDITIONING COMPRESSORS.

AIR CONDITIONING, HEATING AND VENTILATING

SCOPE

WORK UNDER THIS SECTION INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE REMODELING, INSTALLATION AND PLACING INTO OPERATION THE HEATING, VENTILATING AND AIR CONDITIONING WORK AS SPECIFIED HEREIN AND INDICATED ON THE DRAWINGS.

VERIFICATION OF DIMENSIONS:

SCALED AND FIGURED DIMENSIONS ARE APPROXIMATE ONLY. BEFORE PROCEEDING WITH WORK, CAREFULLY CHECK AND VERIFY AT THE SITE, AND RESPONSIBLE FOR PROPERLY FITTING EQUIPMENT AND MATERIALS TOGETHER AND TO THE STRUCTURE IN SPACES PROVIDED. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. CAREFULLY STUDY DRAWINGS AND PREMISES IN ORDER TO DETERMINE BEST METHODS, EXACT LOCATIONS, ROUTES AND BUILDING OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGeways CLEAR.

CUTTING AND PATCHING:

CUT EXISTING WORK AND PATCH AS NECESSARY TO PROPERLY INSTALL THE NEW WORK. AS THE WORK PROGRESSES, LEAVE NECESSARY OPENINGS, HOLES AND CHASES, ETC., IN THEIR CORRECT LOCATIONS. IF THE REQUIRED OPENINGS, HOLES AND CHASES ETC., ARE NOT IN THEIR CORRECT LOCATIONS, MAKE THE NECESSARY CORRECTIONS AT NO COST TO THE OWNER. AVOID EXCESSIVE CUTTING AND DO NOT CUT STRUCTURAL MEMBERS WITHOUT CONSENT OF ARCHITECT.

REGULATIONS, PERMITS & INSPECTIONS

COMPLY WITH ALL APPLICABLE CODES, RULES AND REGULATIONS. ALL MATERIALS, EQUIPMENT AND WORK MUST CONFORM TO THE INTERNATIONAL MECHANICAL CODE. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

DUCTWORK

ALL DUCTWORK FABRICATED AS PER LATEST INTERNATIONAL MECHANICAL CODE REQUIREMENTS AND SMACNA MANUAL. EXTENSION OF EXISTING DUCTWORK SHALL BE MADE WITH SOME MATERIAL. DUCTWORK SHALL BE CONSTRUCTED OF NEW HOT-DIPPED GALVANIZED SHEET METAL ASTM A-120 FOR EACH SIDE. TAPE ALL CROSS-JOINTS IN SHEET METAL DUCT WITH HARDCAST. TAKE-OFF FITTINGS SHALL BE CONICAL SPIN-IN WITH QUADRANT DAMPER. TURNING VANES SHALL BE INSTALLED IN ALL MITERED ELBOWS.

HVAC EQUIPMENT CONDENSATE DRAINS

USE TYPE M COPPER TUBING AND WROUGHT COPPER MECHANICAL FITTINGS. EXTEND DRAINS TO NEAREST ROOF DRAIN OR LAVATORY TAIL-PIECE (FURNISHED BY PLUMBER). SLOPE DRAIN AT A MINIMUM OF 1/8" PER FOOT.

EXHAUST FAN SCHEDULE

MARK	MOUNTING /LOCATION	MANUFACTURER	MODEL	CFM	E.S.P.	SONES	MOTOR		BAROM. DAMPER	WIRE SCREEN	DRIVE	REMARKS
							AMPS OR HP	V/PH				
EF-1	WALL MOUNTED	LOREN COOK	30XLPHS	8,000	0.25"	24	1-1/2 HP	208/3	YES	YES	BELT	① ② ③ ④

- ① PROVIDE WITH DISCONNECT AND VFD CONTROLLER LOCATED AT AND REPLACING THAT OF THE EXISTING FAN. FIELD VERIFY AND COORDINATE WITH OWNER.
- ② PACKAGED FAN SHALL BE IN GALVANIZED STEEL ENCLOSURE.
- ③ PROVIDE WITH MOTORIZED INLET SHUTTER WITH SHUTTER GUARD.
- ④ PROVIDE WITH WEATHER RESISTANT DISCHARGE BACKDRAFT SHUTTERS.

UNIT HEATER SCHEDULE

EQUIP. NO.	MANUFACTURER	MODEL NO.	BLOWER			MOTOR		HEATER		WT. (LBS)	REMARKS
			CFM	ESP	MIN. THROW	HP	VOLTS/ PHASE	KW	BTUH		
1	DAYTON	2YU76	1,320	0	40'	1/10	480/3	20	68,200	60	① ②

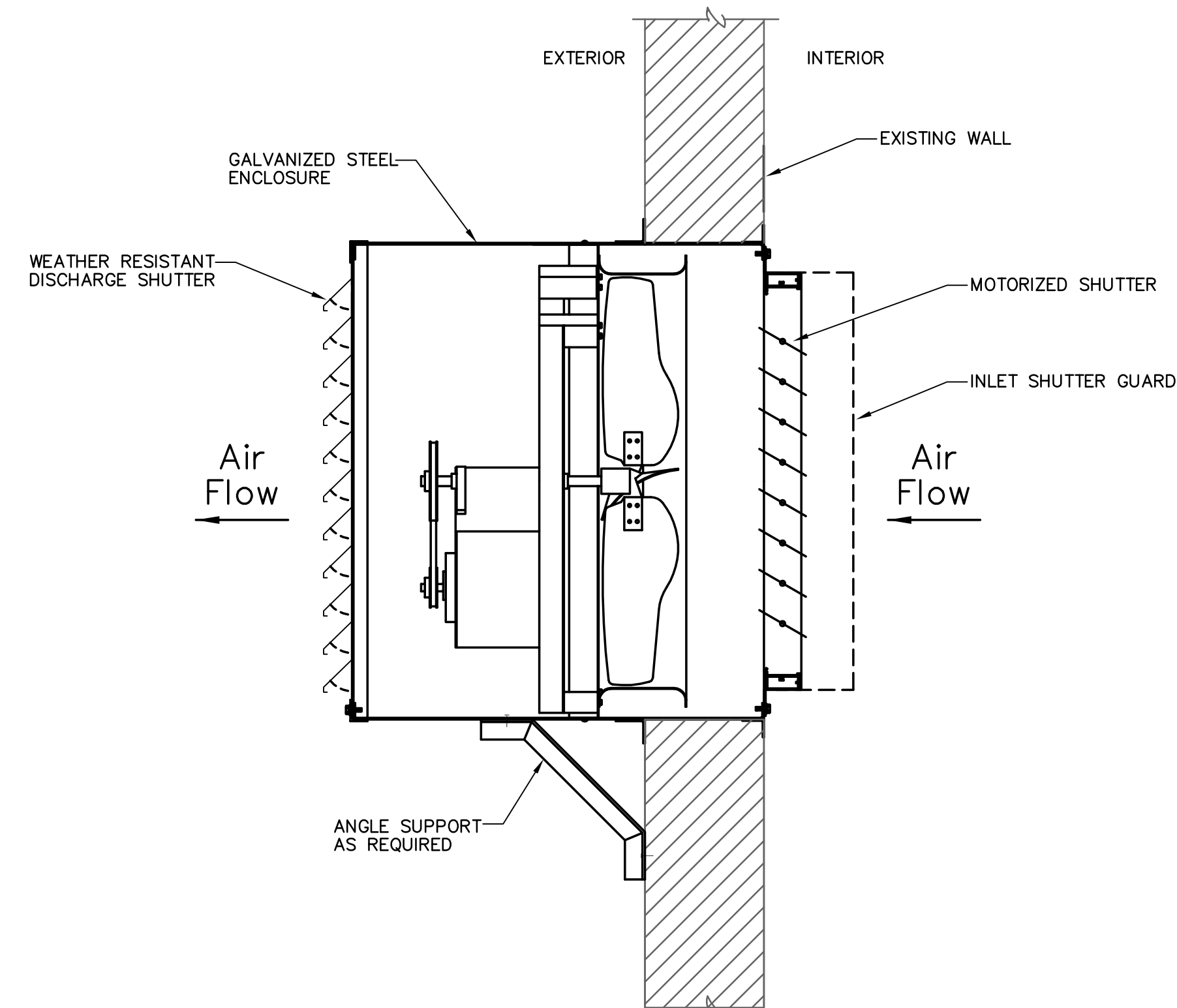
- ① PROVIDE UNIT HEATER WITH LOW VOLTAGE THERMOSTAT. LOCATE ON 1ST FLOOR PER OWNER.
- ② UNIT HEATER SHALL BE WALL MOUNTED, PROVIDE WITH WALL BRACKETS AND UNI-STRUT AS REQUIRED..

GRILLES/REGISTERS/DIFFUSERS SCHEDULE

MARK	DESCRIPTION	MODULE SIZE	TYPE	OBD	FRAME	MATERIAL	FINISH	MANUF.	MODEL	REMARKS
TG-1	TRNSAFER GRILLE	22x22	SQUARE CEILING	NO	T-BAR	STEEL	WHITE	TITUS	350RL	16# NECK

NOTES:

- 1. NECK SIZE SHOWN ON PLANS AND CORRESPONDS TO DUCT CONNECTION SIZE.
- 2. CONTRACTOR SHALL PROVIDE SQUARE TO ROUND ADAPTERS AS REQUIRED FOR INSTALLATION.
- 3. MOUNTING HEIGHT OF GRILLES AND EXACT LOCATION OF ALL DIFFUSERS TO FIELD COORDINATED AND APPROVED BY OWNER.
- 4. VERIFY MAKE, MODEL AND COLOR OF ALL DEVICES WITH OWNER.



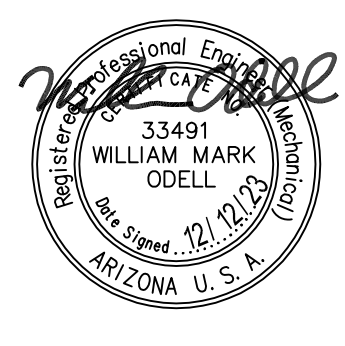
WALL PROPELLER FAN DETAIL

NOT TO SCALE

1
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DRAWING: Mechanical Specs & Details
PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334
APN: 303-06-001L

DRAWN BY
CHECKED BY
DATE August 28th, 2023
JOB NO. 795
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PLUMBING SPECIFICATIONS:

1. GENERAL
 - 1.1 Scope: Work under this section includes coordinating and furnishing all labor and material necessary to install a complete plumbing system as shown and specified and in accordance with the codes. Contractor shall pay for all permits, meters, fees, city inspections, legal notices, etc., as required.
 - 1.2 Submittals: Within 15 days after award of contract, submit 8 copies of all items.
 - 1.3 Record Drawings: Provide a set to the Architect at completion of project.
 - 1.4 Instructions: Provide maintenance manual and instruct Owner in the proper operation and maintenance of the equipment.
 - 1.5 Guarantee: One year on labor, material and equipment.
2. PRODUCTS
 - 2.1 Piping:
 - 2.1.1 Water Lines:
 - 2.1.1.1 Copper: Type "L" hard drawn, conforming to ASTM B88, for all water pipe not set under concrete or in the ground.
 - 2.1.1.2 Copper: Type "K" soft drawn, conforming to ASTM B88, for water pipe set in or under concrete. Wrap lines below concrete floors with 20 mils of polyon tape.
 - 2.1.1.3 Fittings: Wrought copper conforming to ANSI B16.22.
 - 2.1.1.4 Plastic: Schedule 40 PVC piping conforming to ASTM D1785-06, for all water piping installed below grade and not under concrete. Fittings: Schedule 40 PVC fittings conforming to ASTM D2466-06.
 - 2.1.2 Sanitary Waste and Vent Piping:
 - 2.1.2.1 Cast iron conforming to CISPI Standard 301-95 and ASTM A-888 for all no-hub pipe and fittings installed above and below grade.
 - 2.1.2.2 Galvanized iron: Standard weight, Schedule 40 galvanized iron conforming to ASTM A-120 for all vent lines 2-1/2" or smaller.
 - 2.1.2.3 Fittings (Waste and Vent System, no-hub cast iron): No-hub cast iron drainage pattern fittings conforming to CISPI #301-95.
 - 2.1.2.4 Fittings (Waste and Vent, galvanized steel): Threaded cast iron fittings conforming to ANSI B16.4.
 - 2.1.2.5 Couplings (Waste and Vent, above and below grade): Double band, stainless steel couplings conforming to CISPI 310-95, with neoprene gasket conforming to ASTM Standard C564 (NOTE: Screened stainless shield is not approved).
 - 2.1.2.6 Plastic: Subject to Architect approval, PVC piping conforming to ASTM D-2665-88 is acceptable for sanitary waste piping installed below grade or slab. Fittings: Drainage fittings to match pipe.
 - 2.2 Pipe Hangers and Supports: Fee & Mason Figure 103 clevis hanger for insulated pipe and Figure 104 clevis hanger for cast iron pipe. Install #500 Trisolators on uninsulated copper lines at all hangers and wall penetrations.
 - 2.3 Pipe Insulation: Use fiberglass remolded insulation with all-service jacket, minimum density of 3.5 pcf. Provide an additional 8-ounce canvas jacket with Arabal finish around all exposed pipe insulation. Cover fittings and valves (except unions) with insulation cement worked on in two applications to a smooth, hard surface, flush with pipe covering. Provide 8" long, 20 gauge, galvanized iron metal insulation guards at locations of hanger rods and supports. Provide 12" long rigid insulation blocks on bottom half of pipe 1" and larger at hangers. Insulation wall thickness shall conform to the following schedule:

Domestic Hot Water Lines:

Mains and horizontal branches - 1" thickness.
Drops in walls and partitions - 1/2" thickness.

- 2.6 Plumbing Fixtures: Use polished chrome-plated, adjustable brass P-traps with wall escutcheons at all exposed locations. Use polished chrome-plated faucets with removable trim, brass body and brass handles. Fixtures and supply fitting shall be of one manufacturer. Provide diaphragm type, polished chrome-plated flush valves with integral vacuum breakers and screwdriver stops. Provide fixture stops or valves ahead of all equipment or fixtures. After fixtures are set in place and secured to walls, caulk all around between fixtures and wall with either Dow Corning #780 or G.E. Construction Sealant white silicone caulking compound.
- 2.7 Acceptable Manufacturers: The following is a list of manufacturers whose equipment is acceptable as to manufacturer, subject to conformance with all drawings, specifications and addenda items:

Stainless Steel Sinks: Just, Eljay, Moen.

Valves: Crane, Kennedy, Stockham, Grinnell, Milwaukee, Wolverine.

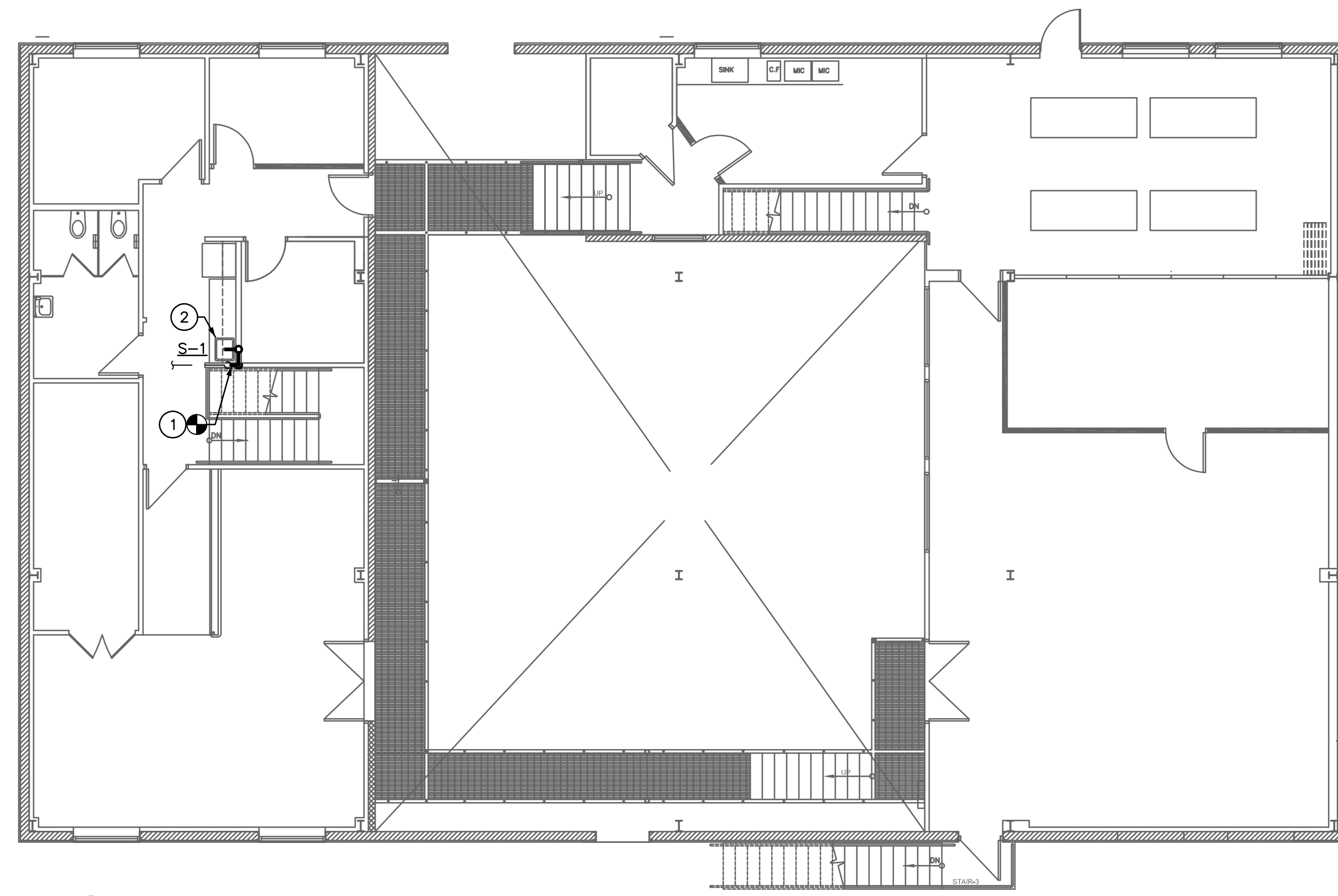
Supplies, Stops: Eastman, Kohler, Eljer, Brasscraft, McGuire.

P-Traps: Crane, Kohler, Eljer, Frost, McGuire.

Drains and Cleanouts: J. R. Smith, Zurn, Josam, Wade, Western.

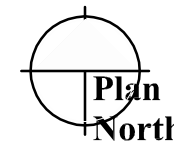
Hangers: Grinnell, Fee & Mason, Elcen, Kin-Line, F & S, B-Line, Michigan.

3. EXECUTION
 - 3.1 Tests and Inspections:
 - 3.1.1 All work to be tested and approved before covering as directed by Architect. Remake all leaking joints.
 - 3.1.2 Water System: 125 psi hydrostatic pressure held for four hours.
 - 3.1.3 Sanitary Waste and Vent System: Fill with water to highest point in the system and let stand without loss for two hours.
 - 3.1.4 Sterilization (Domestic Water System): After tests have been completed, the entire domestic water distribution system shall be thoroughly flushed with water until all entrained dirt and mud have been removed, and shall be sterilized with solutions of either liquid chlorine conforming to Federal Specification BB-B-120 or hypochlorite conforming to Fed. Spec. O-C-114, Type II, Grade G, or Fed. Spec. O-S-602, Grade A or B. The chlorinating material shall provide a dosage of less than 50 parts per million and shall be introduced into the system in an approved manner, and retained in the system for 8 hours before flushing.
 - 3.2 Flashing, Sleeves and Escutcheon Plates:
 - 3.2.1 Flashing: Supply flashing for all vent pipe and other types of piping through roof to be installed with roofing. Flash vents with Stoneman S1300-4 or with sheet lead weighing not less than 4 pounds per square foot or equal. Extend flashing into roofing at least 10" from vent and turn flashing over and down into vent opening.
 - 3.2.2 Sleeves: Use 20 gauge galvanized steel sleeves around pipes passing through masonry walls and concrete slabs.
 - 3.2.3 Escutcheon Plates: Install cast brass split ring with setscrew at all locations where exposed pipes pass through walls, floors and/or ceilings. Provide polished chrome-plated escutcheons in finished rooms, all others polished brass.
 - 3.3 Underground Water Piping: Bury all underground water piping a minimum of 24" below finished grade. Install copper lines below concrete floors so that no joints occur below floor and wrap with 20 mils of polyethylene tape with a minimum of 50% overlap.
 - 3.4 Electrical: Wiring by Electrical Contractor.



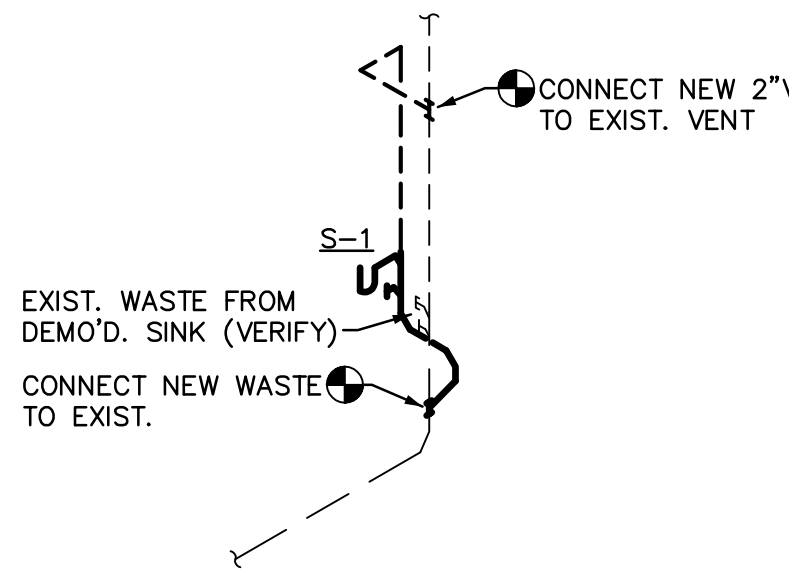
1 Plumbing Floor Plan

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



PLUMBING FIXTURE SPECIFICATIONS	
SYMBOL	DESCRIPTION
S-1	SINK (ADA COMPLIANT): FIXTURE: JUST MODEL No. SL-ADA-17519-A-GR, 17-1/2" x 19" x 5-1/2" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL, ADA COMPLIANT SELF RIMMING SINGLE COMPARTMENT SINK, THREE-HOLE PUNCHING AND RIGHT REAR DRAIN OUTLET. FAUCET: DELTA B2310LF, TWO HANDLE DECK MOUNT ADA FAUCET. SUPPLIES: EASTMAN C5RC-20-LK, 1/2" x 3/8" ANGLE STOPS WITH FLEXIBLE TUBE RISERS. STRAINER: JUST J-35 BASKET STRAINER WITH 1-1/2" TAILPIECE. TRAP: 1-1/2" x 1-1/2" PVC P-TRAP WITH CLEANOUT PLUG AND ESCUTCHEON. INSULATE ALL EXPOSED UNDERCOUNTER WATER AND WASTE PIPING WITH PLUMBEREX 2003W "HANDY-SHIELD MAXX" INSULATION COMPLYING WITH ASTM E 84-07/UL 723 CLASS A AND BE LISTED WITH AND MEET UPC/IAPMO. INSULATION MATERIAL SHALL BE U/V INHIBITED WITH ANTIMICROBIAL AND ANTIFUGAL PROPERTIES.

FIXTURE CONNECTION SCHEDULE							
MARK	DESCRIPTION	TRAP SIZE	W	V	CW	HW	REMARKS
S-1	SINK (ADA)	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	SINGLE COMPARTMENT, STAINLESS STEEL



WASTE SCHEMATIC
NTS

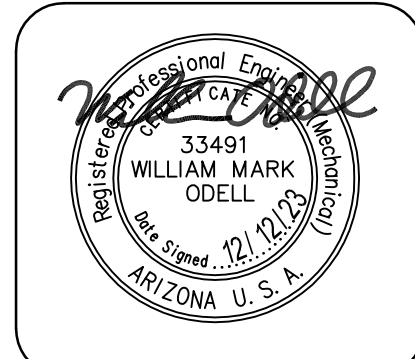
- PLUMBING GENERAL NOTES:**
1. ALL PLUMBING WORK SHALL COMPLY WITH THE MOST STRINGENT OF APPLICABLE CODES, ORDINANCES, OR THE SPECIFICATIONS.
 2. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.
 3. COORDINATE LOCATION OF ALL PLUMBING LINES WITH DUCTWORK AND ELECTRICAL SERVICES.
 4. WATER PIPING INSTALLED UNDER CONCRETE SLAB SHALL BE LOOPED IN PARTITION WALLS WITH NO JOINTS UNDER SLAB & WITH PLASTIC SLEEVE FOR EACH PENETRATION THROUGH SLAB.
 5. INSTALL APPROVED DIELECTRIC ISOLATORS AT ALL CONNECTIONS OF DISSIMILAR METALS.
 6. LOCATE ALL VENTS THROUGH ROOF 10'-0" FROM ALL AIR INTAKES, EVAPORATIVE COOLERS, ETC.
 7. SOLDERS AND FLUX HAVING A LEAD CONTENT IN EXCESS OF TWO-TENTHS OF ONE PERCENT SHALL NOT BE USED IN THE INSTALLATION OR REPAIR OF PLUMBING PROVIDING WATER FOR HUMAN CONSUMPTION.
 8. CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE ARCHITECT.
 9. LOCATE ALL VALVES, UNIONS, THERMOMETERS, GAUGES, OR OTHER EQUIPMENT REQUIRING FREQUENT READING, REPAIRS, ADJUSTMENTS, INSPECTION, REMOVAL OR REPLACEMENT SO AS TO BE ACCESSIBLE WITH REFERENCE TO THE FINISHED BUILDING.
 10. REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL LINE SIZES.
 11. WHERE POSSIBLE, TIE VENTS TOGETHER SO THAT A MINIMUM NUMBER TERMINATE THROUGH ROOF.
 12. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS & INCLUDE IN HIS BID AN AMOUNT TO FURNISH & INSTALL ANY FIXTURES SHOWN IN ADDITION TO PLUMBING DRAWINGS.

KEYNOTES

1. CONNECT NEW SINK WASTE TO EXISTING WASTE/VENT FROM DEMO'D. SINK. REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE INSTALLATION.
2. INSTALL NEW SINK. CONNECT NEW H & CW SUPPLIES TO EXISTING SUPPLIES FROM DEMO'D. SINK & EXTEND NEW PIPING TO CONNECT TO NEW SINK. REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE INSTALLATION.

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DRAWING: Plumbing Plan
PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334
APN: 303-06-001L

NOTE:
 LOCATIONS AND SIZES FOR ALL ITEMS ARE BASED ON THE BEST INFORMATION AVAILABLE. SOME ITEMS SHOWN ARE TO INDICATE THE INTENT OF THE PLUMBING SYSTEMS BUT MAY NOT NECESSARILY REFLECT THE EXACT ROUTING AND LOCATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL LOCATIONS AND SIZES OF THOSE ITEMS REQUIRING MODIFICATIONS.

PLUMBING LEGEND		
SYMBOL	ABBR.	DESCRIPTION
---	W	DRAIN OR WASTE PIPING
---	V	VENT PIPING
---	CW	COLD WATER PIPING
---	HW	HOT WATER PIPING
⊕	GV	GATE VALVE
⊕	BV	BALL VALVE
⊕	FCO, SCO	FLOOR OR SURFACE CLEANOUT
⊕	WCO	WALL CLEANOUT
⊕	VTR	VENT THRU ROOF



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DRAWN BY
CHECKED BY
DATE August 28th, 2023
JOB NO. 795
SHEET

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SPECIFICATIONS

- PRIOR TO SUBMITTING BID, SUBCONTRACTORS SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH IN ANY WAY AFFECTS THE WORK UNDER HIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- THE SUBCONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND /OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THE CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.
- SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS AND BUILDING DETAILS. VERIFY LOCATION OF ALL OUTLETS, SWITCHES, AND WALL MOUNTED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS. VERIFY ALL CEILING TYPES WITH ARCHITECTURAL DRAWINGS BEFORE ORDERING FIXTURES.
- PRIOR TO ROUGH-IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT.
- GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- BRANCH CIRCUIT WIRING SHALL BE THHN/THWN INSULATION. PANEL FEEDERS SHALL BE TYPE XHHW. ALL WIRE SHALL BE COPPER. MINIMUM WIRE SIZE SHALL BE #12.
- ALL WIRING TO BE INSTALLED IN RACEWAYS. TYPE OF RACEWAY SHALL BE AS REQUIRED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
- PROVIDE CODE SIZED BOND WIRE IN ALL EMT, FLEXIBLE CONDUIT
- ALL ELECTRICAL EQUIPMENT SHALL BE NEW, U.L. APPROVED AND COMMERCIAL GRADE.
- WIRE RATED FOR 150° CENTIGRADE SHALL BE USED FOR ALL INCANDESCENT LIGHTING FIXTURES.
- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL CODE, (N.E.C.), AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- PROVIDE TYPEWRITTEN DESCRIPTIVE PANEL DIRECTORIES

OUTLET MOUNTING HEIGHTS PER AMERICAN DISABILITY ACT

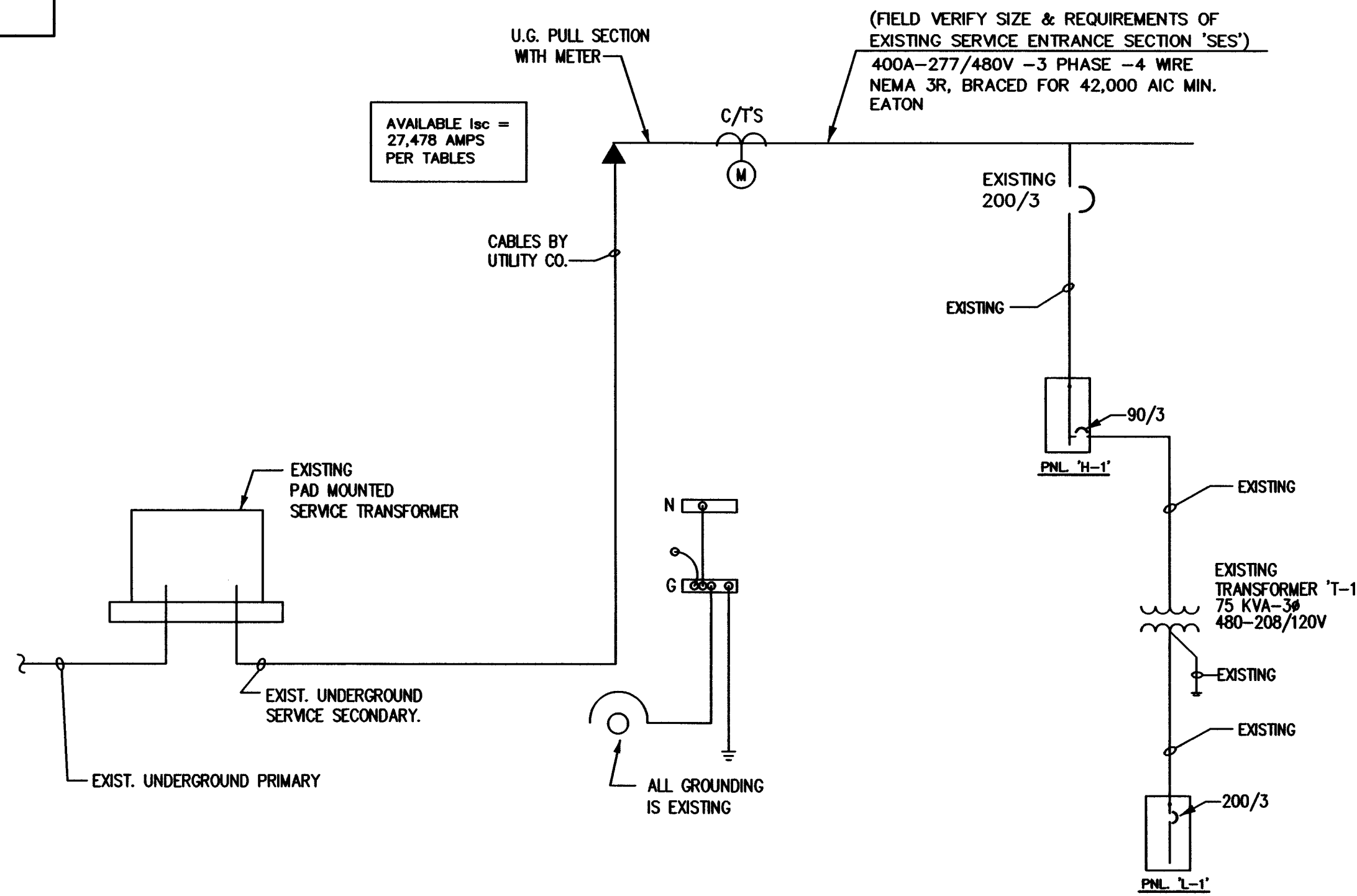
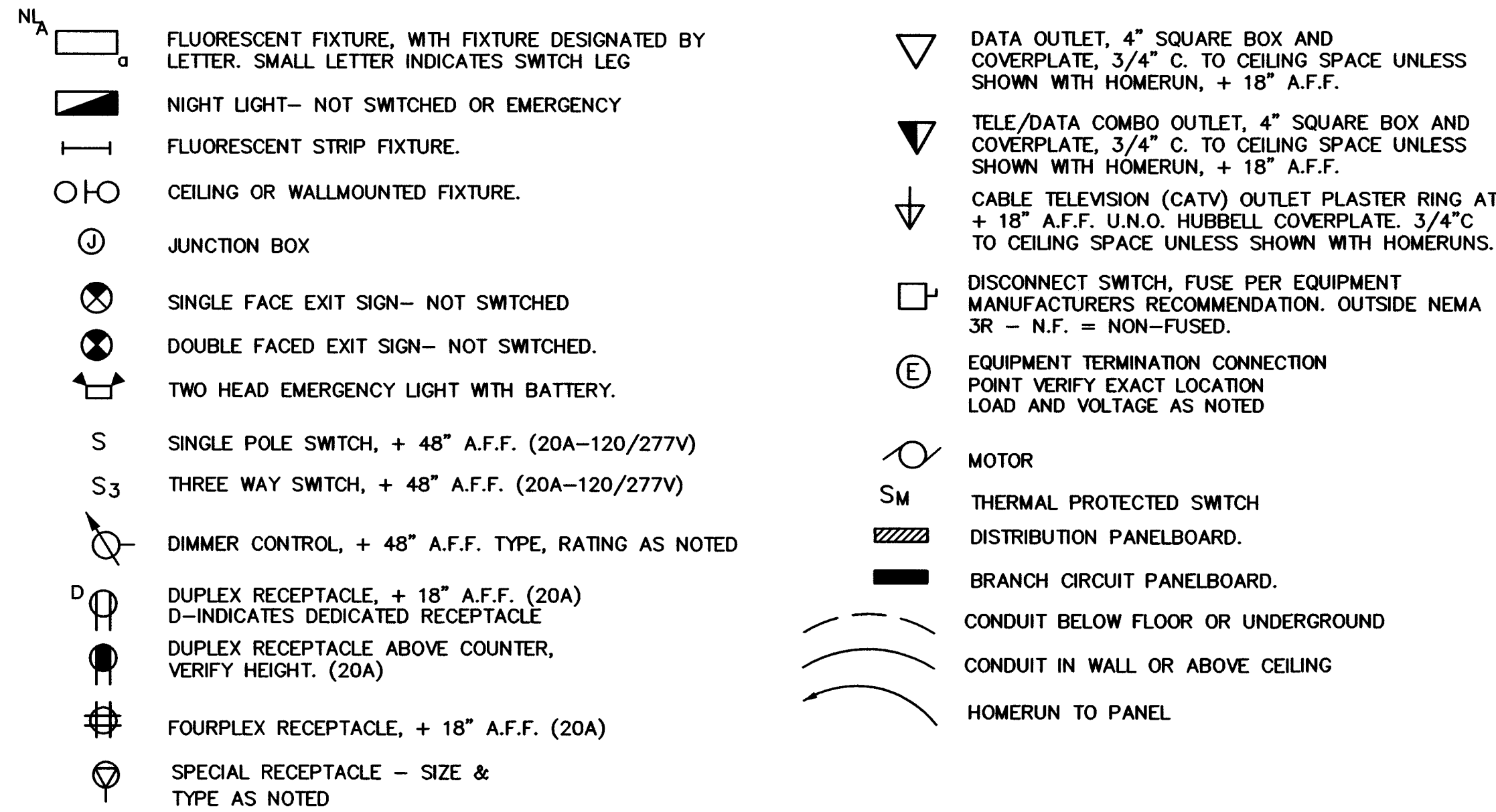
ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE 2010 ADA SAD REQUIREMENTS FOR ALL SWITCHES, RECEPTACLES, TELE./DATA AND SIDE REACH CONTROL SWITCHES. ALL WALL CONTROLS, SWITCHES AND THERMOSTATS TO BE MOUNTED WITH TOP OF J-BOX AT 48" A.F.F. ALL ABOVE COUNTER CONTROLS, SWITCHES & OUTLETS TO BE MOUNTED WITH HORIZONTAL ORIENTATION WITH TOP OF J-BOX AT 44" A.F.F.. ALL WALL OUTLETS TO BE MOUNTED AT 15" A.F.F. TO BOTTOM OF J-BOX.

SPECIAL REQUIREMENTS PER: THE FAIR HOUSING ACT.

ALL RECEPTACLES AT RESTROOM LAVATORIES TO BE GFCI TYPE. ALL WALL CONTROLS, SWITCHES AND THERMOSTATS TO BE MOUNTED WITH TOP OF J-BOX AT 48" A.F.F. ALL ABOVE COUNTER CONTROLS, SWITCHES & OUTLETS TO BE MOUNTED WITH HORIZONTAL ORIENTATION WITH TOP OF J-BOX AT 44" A.F.F. ALL WALL OUTLETS TO BE MOUNTED AT 15" A.F.F. TO BOTTOM OF J-BOX.

ELECTRICAL SYMBOLS

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT



EXISTING ELECTRICAL ONE - LINE DIAGRAM

N.T.S.

NOTE: IF REQUIRED ELECTRICAL CONTRACTOR SHALL REUSE SPARE BREAKERS, FIELD VERIFY AVAILABILITY IF NO SPARE BREAKERS ARE AVAILABLE PROVIDE AND INSTALL NEW 20/1P BREAKERS AS REQUIRED.

PANELBOARD H-1				SCHEDULE			
MAINS: 225A MLD		LOAD-VA		LOCATION: SEE PLAN		MOUNTING SURFACE	
VOLTAGE: 277/480V, 3Ø, 4W		MIN. A.I.C.: 22,000 EXISTING		MIN. A.I.C.: 22,000 EXISTING		MIN. A.I.C.: 10,000 EXISTING	
TYPE: EATON (EXISTING)		CIR. NO.		CIR. NO.		CIR. NO.	
CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	ØC	BKR.	CIRCUIT DESCRIPTION
EXISTING TESTER	60	1				20	EXISTING A/C CONDENSING UNIT
		3				4	
		5				6	
		7				8	
EXISTING HEATER	30	7				30	EXISTING HEATER
		9				10	
		11				12	
		13				14	NEW ELECTRIC UNIT HEATER
		15				16	
		17				18	
		19				20	SPACE
		21				22	
		23				24	
		25				26	
		27				28	
		29				30	
		31				32	
		33				34	
		35				36	
		37				90	75 KVA TRANSFORMER T-1
		39				40	FEEDING PANEL 'L-1'
		41				42	
						3	
TOTAL LOAD PER PHASE: ESTIMATED LOAD:		H#		/ 277 = 1200 AMP'S			

NOTE: NEW ADDED LOAD WILL NOT OVERLOAD PANEL

NOTE: IF REQUIRED ELECTRICAL CONTRACTOR SHALL REUSE SPARE BREAKERS, FIELD VERIFY AVAILABILITY IF NO SPARE BREAKERS ARE AVAILABLE PROVIDE AND INSTALL NEW 20/1P BREAKERS AS REQUIRED.

PANELBOARD L-1				SCHEDULE			
MAINS: 200A MCB		LOAD-VA		LOCATION: SEE PLAN		MOUNTING SURFACE	
VOLTAGE: 120/208V, 3Ø, 4W		MIN. A.I.C.: 10,000 EXISTING		MIN. A.I.C.: 10,000 EXISTING		MIN. A.I.C.: 10,000 EXISTING	
TYPE: EATON (EXISTING)		CIR. NO.		CIR. NO.		CIR. NO.	
CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	ØC	BKR.	CIRCUIT DESCRIPTION
EXISTING EQUIPMENT (VERIFY IF USED)	20	1				20	EXISTING EQUIPMENT (VERIFY IF USED)
		3				15	
		5				4	
		7				20	
		9				6	
		11				8	
		13				10	
		15				12	
		17				14	
		19				16	
		21				18	
		23				20	
		25				22	
		27				24	
		29				26	
		31				28	
		33				30	
		35				32	
		37				34	
		39				36	
		41				38	
						40	
						42	
						3	
TOTAL LOAD PER PHASE: ESTIMATED LOAD:		H#		/ 120 = 1600 AMP'S			

NOTE: NEW ADDED LOAD WILL NOT OVERLOAD PANEL

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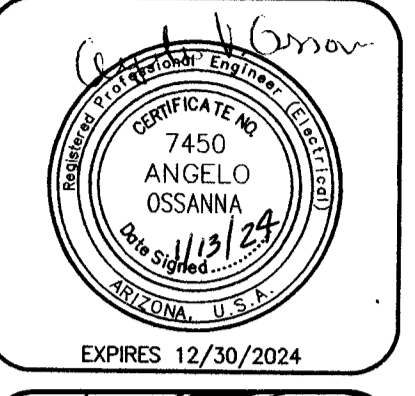
DRAWING: ELECTRICAL SYMBOLS, ONE-LINE DIAGRAM, FIXTURE SCHEDULE & PANEL SCHEDULES
PROJECT: Drake Building T1 Catwalk Addition
5001 E. Drake Rd.
Pauden, AZ 86334
APN: 303-06-001L

DRAWN BY:
CHECKED BY:
DATE: August 28th, 2023
JOB NO.: 795
SHEET:

E1.0

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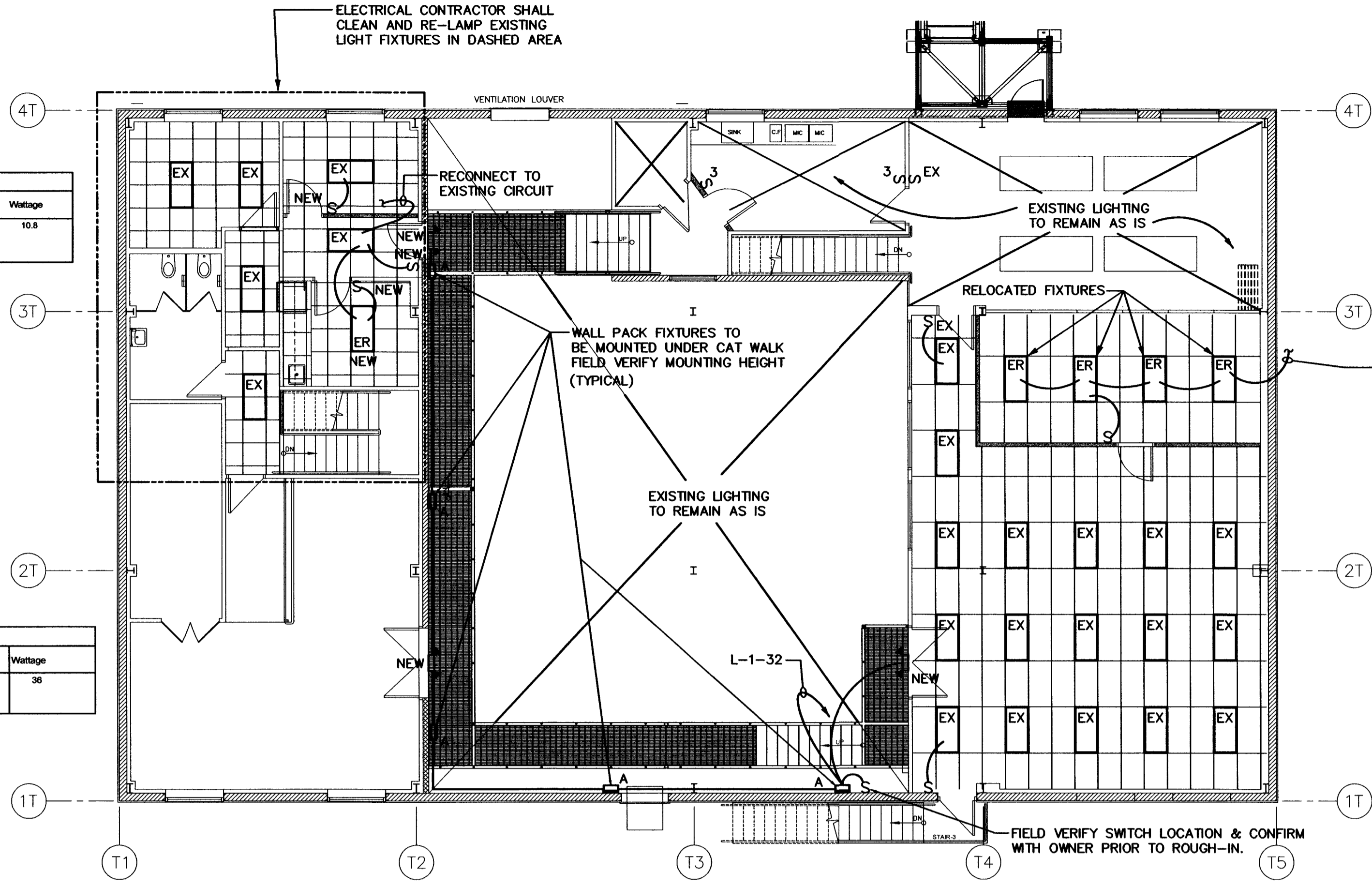


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Symbol	Manufacturer	Catalog Number	Description	Lamp	Wattage
	Lithonia Lighting	ELM1T WYLP06V6 LTP	QUANTUM LED EMERGENCY TWIN-HEAD UNIT WALL MOUNT	LED	10.8

Symbol	Label	Manufacturer	Catalog Number	Description	Lamp	Wattage
	A	Lithonia Lighting	TRW1 LED ALO SWW2 120V 4000K 80CRI DBD12D	TRW1 LED - PERFORMANCE PACKAGE, 4000K, 80CRI VISUAL COMFORT WIDE OPTIC	LED - 4000K	30

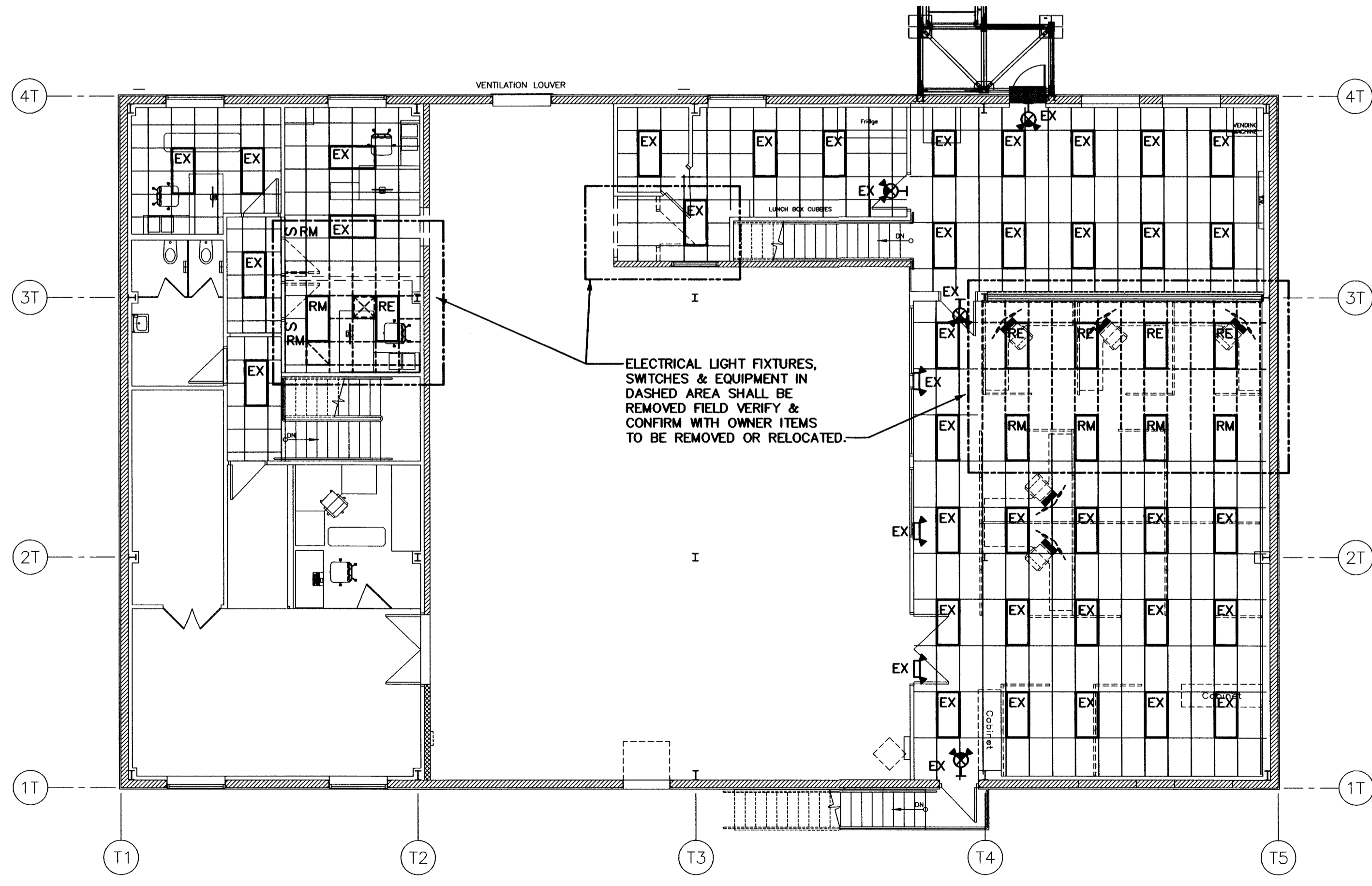


Proposed Lighting Second Floor Plan
 Scale: 1/8"=1'-0" Plan North

EX	EXISTING LIGHT OR DEVICE TO REMAIN
RE	EXISTING LIGHT OR DEVICE TO BE REPLACED OR RELOCATED EXTEND CIRCUITING AS REQUIRED IF NOT SHOWN.
ER	REPLACED OR RELOCATED LIGHT OR DEVICE
RM	REMOVED LIGHT OR DEVICE
A.F.F.	ABOVE FINISHED FLOOR (@ OF OUTLET)
A.F.G.	ABOVE FINISHED GRADE (@ OF OUTLET)
E.C.	EMPTY CONDUIT
UNO	UNLESS OTHERWISE NOTED
FBO	FURNISHED BY OTHERS
NL	NIGHT LIGHT
TYP	TYPICAL

GENERAL NOTE:
 ELECTRICAL CONTRACTOR SHALL REMOVE ALL ABANDONED OR UNUSED CONDUIT & WIRING ETC. BACK TO PANEL.

NOTE:
 ELECTRICAL CONTRACTOR SHALL FIELD VERIFY SITE PRIOR TO BID TO CONFIRM ALL EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED AND ABANDONED.



Demo Lighting Second Floor Plan
 Scale: 1/8"=1'-0" Plan North

- GENERAL LIGHTING NOTES:**
- IF ELECTRICAL CONTRACTOR IS NOT CERTAIN OF MOUNTING HEIGHT OR LOCATION OF ANY LIGHTING FIXTURES OR SWITCHES HE IS TO VERIFY ITEMS WITH ELECTRICAL ENG., ARCHITECT OR OWNER PRIOR TO ROUGH-IN.
 - NIGHT LIGHTS (NL), EMERGENCY & EXIT LIGHT FIXTURES SHALL BE CONNECTED TO UNSWITCHED LEG OF CIRCUIT.
 - ALL EXTERIOR LIGHT FIXTURES ARE EXISTING INSTALLED UNDER PREVIOUS PERMIT U.N.O.

DRAWING: Demo & Proposed Lighting Floor Plan

PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334

APN: 303-06-001L

DRAWN BY
CHECKED BY
DATE
August 28th, 2023
JOB NO.
795
SHEET

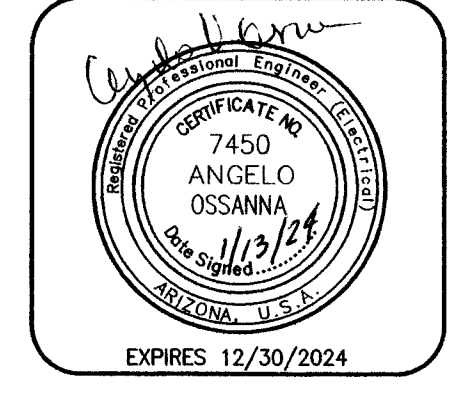
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ABBREVIATIONS	
EX	EXISTING LIGHT OR DEVICE TO REMAIN
RE	EXISTING LIGHT OR DEVICE TO BE REPLACED OR RELOCATED EXTEND CIRCUITING AS REQUIRED IF NOT SHOWN.
ER	REPLACED OR RELOCATED LIGHT OR DEVICE
RM	REMOVED LIGHT OR DEVICE
A.F.F.	ABOVE FINISHED FLOOR (ϕ OF OUTLET)
A.F.G.	ABOVE FINISHED GRADE (ϕ OF OUTLET)
E.C.	EMPTY CONDUIT
UNO	UNLESS OTHERWISE NOTED
FBO	FURNISHED BY OTHERS
NL	NIGHT LIGHT
TYP	TYPICAL

JOB# 23-70
ELECTRICAL DESIGN & CADD SERVICES INC.
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REVISIONS	BY

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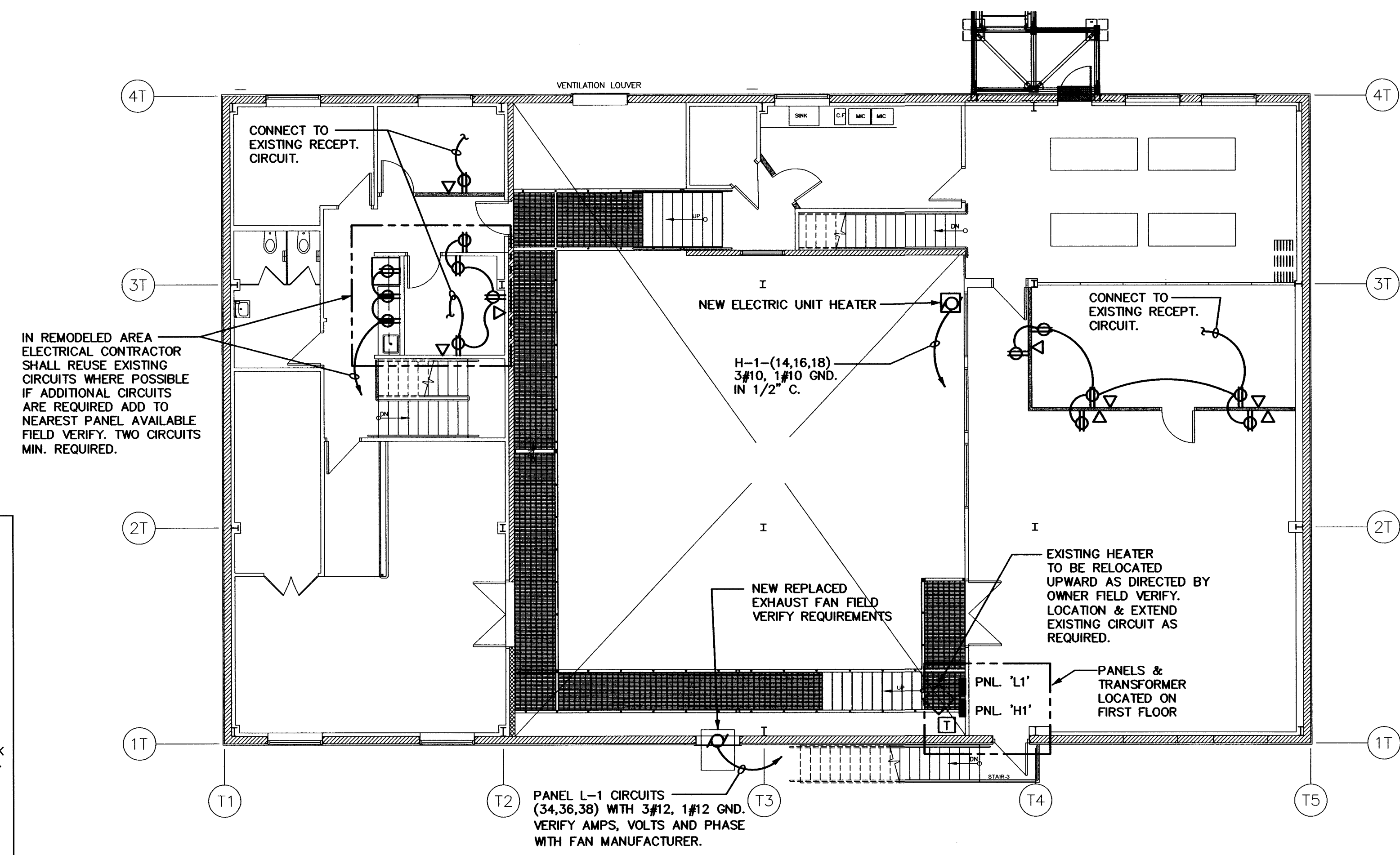


GENERAL NOTE:
 ELECTRICAL CONTRACTOR SHALL REMOVE ALL ABANDONED OR UNUSED CONDUIT & WIRING ETC. BACK TO PANEL.

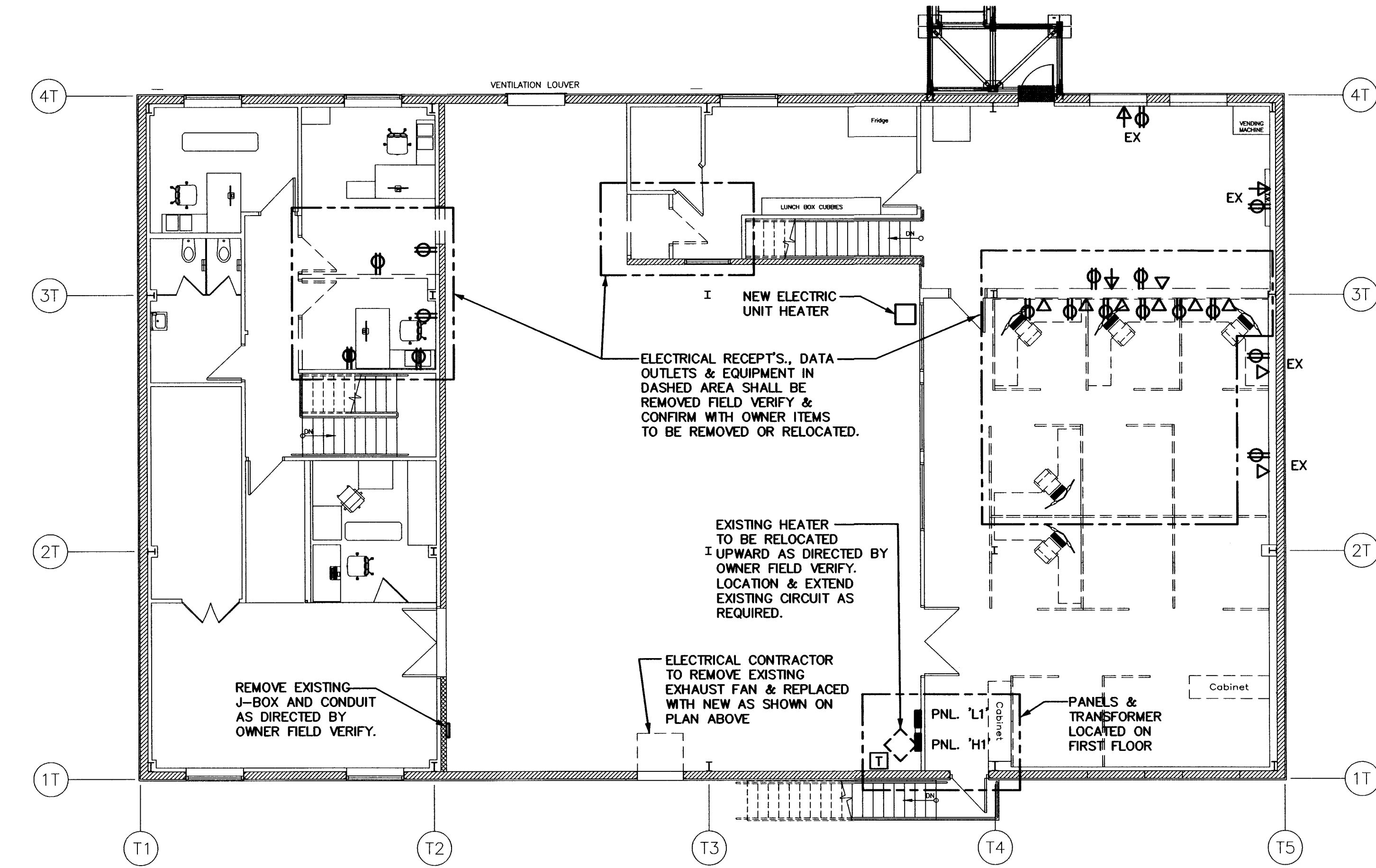
NOTE:
 ELECTRICAL CONTRACTOR SHALL FIELD VERIFY SITE PRIOR TO BID TO CONFIRM ALL EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED AND ABANDONED.

- GENERAL ELECTRICAL DEMOLITION NOTES**
- RETURN REMOVED MATERIAL DEEMED SALVAGEABLE TO OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
 - THE CONTRACTOR WILL EXAMINE THE PREMISES AND SATISFIED HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO PERFORM HIS WORK. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL FIELD VERIFY ALL DETAILS OF DEMOLITION.
 - REMOVE ALL EXISTING WIRING DEVICES, LIGHT FIXTURES, WIRE, CONDUIT, DISCONNECTS, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN.) REMARK AS NECESSARY ALL CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
 - ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
 - REMOVED OR DAMAGED CONDUIT, WIRE AND FITTINGS SHALL NOT BE RE-USED
 - WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:
 - SALVAGING OR DISPOSING OF ALL MATERIAL OR EQUIPMENT AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
 - REMOVAL OF FEEDER OR CABLING FROM EQUIPMENT TO POINT OF FEED.
 - REMOVAL OR RE-CIRCUITING (AS REQUIRED OR AS NOTED ON PANELS) OF ALL BRANCH CIRCUITING.
 - REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
 - REPAIR AND PATCHING OF WALLS, FLOORS AND CEILINGS TO MATCH EXISTING OR PER ARCHITECT'S INSTRUCTIONS.
 - CAPPING OF IN-SLAB FEEDER CONDUITS FLUSH WITH THE FINISHED FLOOR.
 - CAPPING OF FEEDER CIRCUITS AT 6" ABOVE OR BELOW THE FLOOR OR CEILING FOR IN-SLAB CONDUITS LOCATED UP NEXT TO A WALL OR FOR CEILING AREA CONDUITS.
 - THE OPPOSITE END LOCATION OF ALL EMPTY FEEDER CONDUITS AT SWITCHBOARDS, PANELBOARDS, ETC., SHALL BE MARKED USING AN ENGRAVED BRASS TAG ATTACHED TO THE CONDUIT.
 - EXISTING FEEDER CONDUITS SHALL BE REMOVED OR CUT OFF AND ABANDONED IF FOUND TO BE UNSALVAGEABLE BY THE OWNER, ARCHITECT OR ENGINEER.
 - EXISTING EQUIPMENT NOT IMPLICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN," UNLESS NOTED OTHERWISE.

- GENERAL POWER NOTES:**
- IF ELECTRICAL CONTRACTOR IS NOT CERTAIN OF MOUNTING HEIGHTS, LOCATIONS OR RUN INTO CONFLICTS OF RECEPTACLES OR DEVICES HE IS TO VERIFY ITEMS WITH ELECTRICAL ENG.
 - ELECTRICAL CONTRACTOR SHALL RE-USE EXISTING CIRCUITS WHEN POSSIBLE OR AS INDICATED.
 - ALL RECEPTACLES IN AREAS WITH-IN 6'-0" OF A SINK SHALL BE GFCI TYPE PER NEC
 - EXTERIOR & ROOF MOUNTED MAINT. RECEPT'S. SHALL BE WP, GFCI TYPE PER NEC
 - VERIFY THE EXACT LOCATIONS OF ALL TELEPHONE OUTLETS, DATA OUTLETS AND SPECIAL SYSTEMS OUTLETS WITH THE OWNER PRIOR TO ROUGH-IN.
 - ELECTRICAL CONTRACTOR SHALL VERIFY MECHANICAL EQUIPMENT REQUIREMENTS BREAKER, DISC. & WIRE SIZE WITH MANUFACTURER PRIOR TO ROUGH-IN.



Proposed Power Second Floor Plan
 Scale: 1/8"=1'-0" Plan North



Demo Power Second Floor Plan
 Scale: 1/8"=1'-0" Plan North

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DRAWING: Demo & Proposed Power Floor Plan
PROJECT: Drake Building T1 Catwalk Addition
 5001 E. Drake Rd.
 Paulden, AZ 86334
APN: 303-06-001L

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CHECKED BY
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