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Project Number | 10380810

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MOUNTAIN LINE

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NORRIS DESIGN

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STRUCTURAL
MBJ

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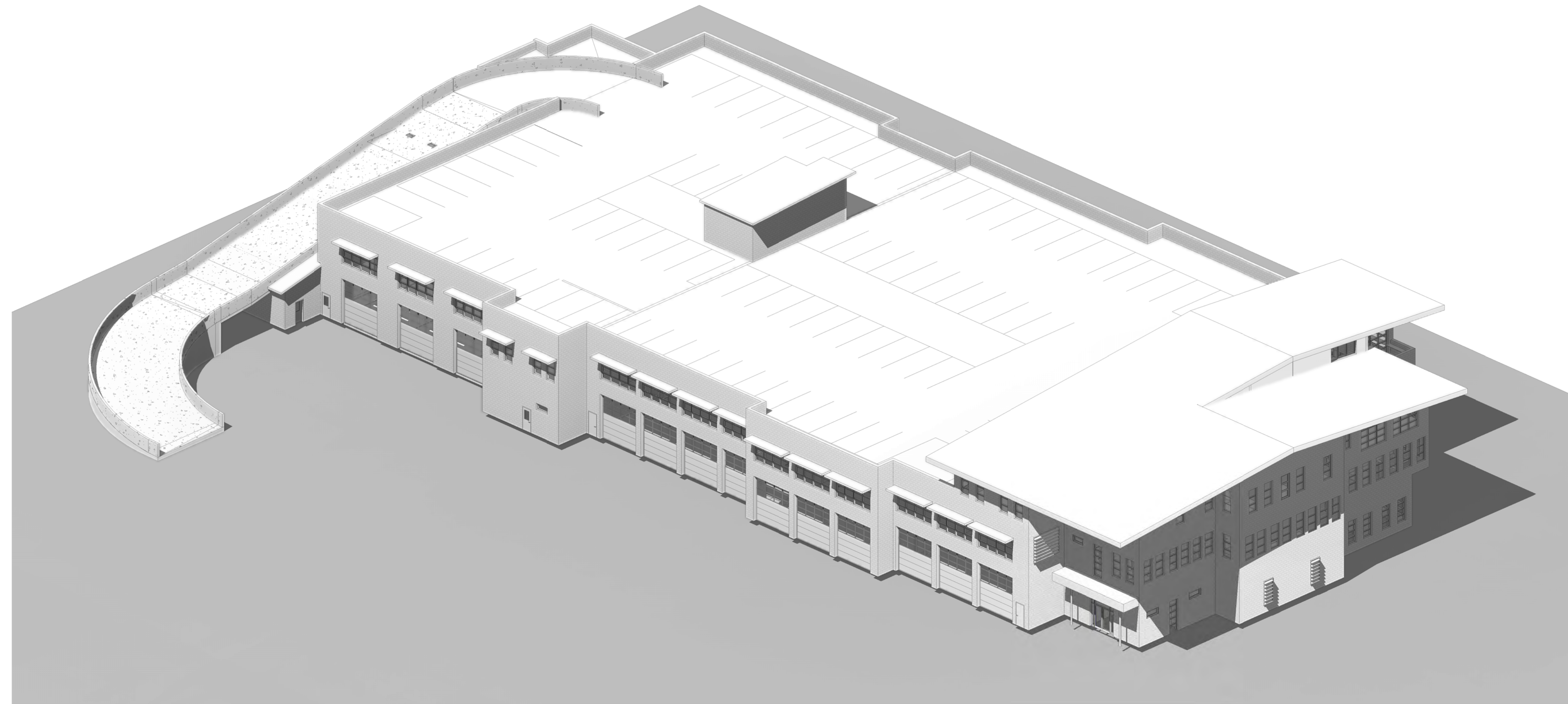
MPE
AEI

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PHOENIX, AZ 85016
t 602.429.5800

ESTIMATORS
RLB

4343 EAST CAMELBACK ROAD, SUITE 350
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SCHEMATIC DESIGN DRAWINGS 04.15.2024



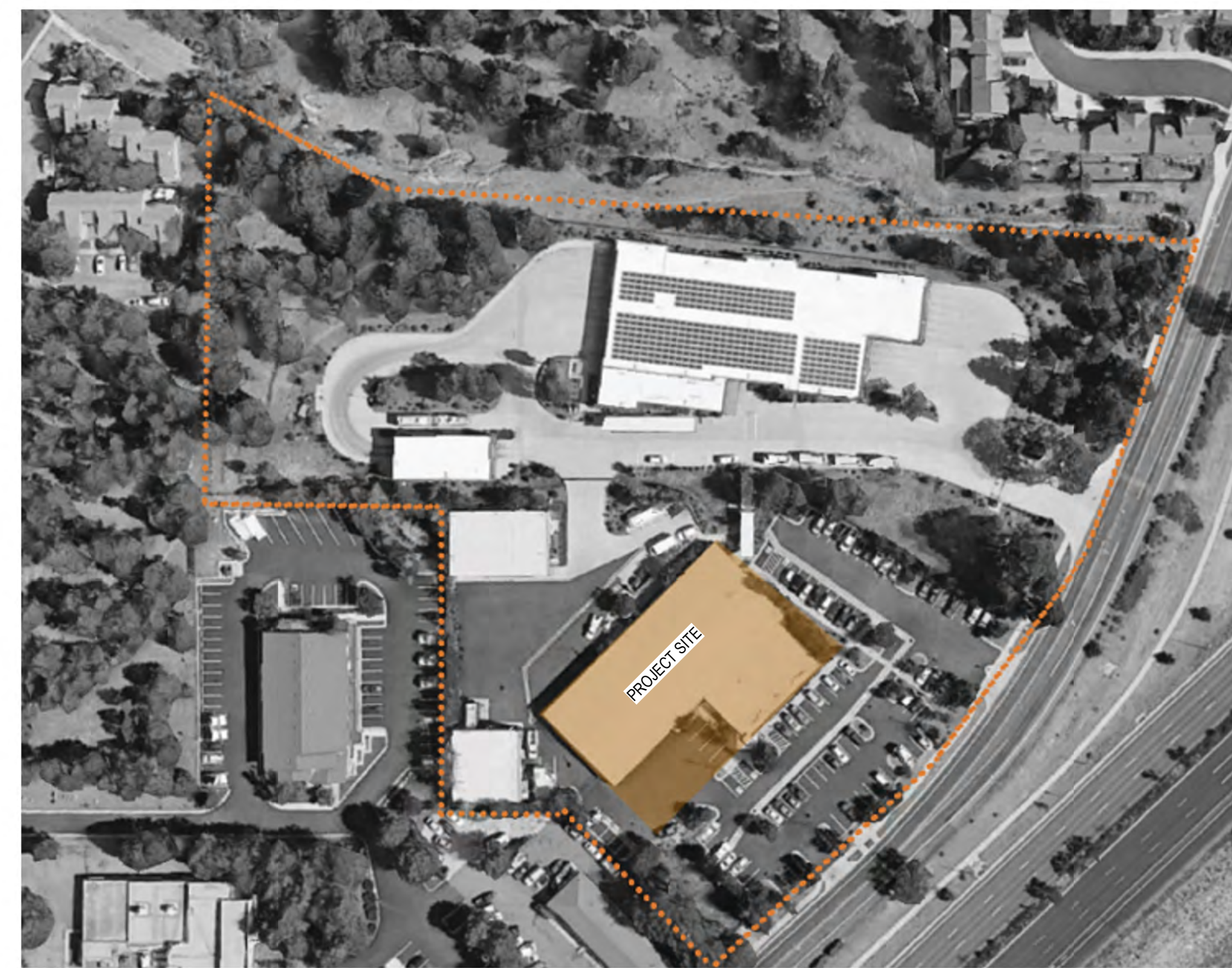
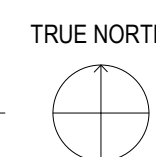
AXONOMETRIC VIEW - PHASE 1 AND PHASE 2 COMPLETE

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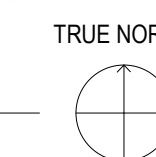
VICINITY PLAN

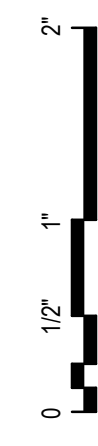
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AERIAL SITE PLAN

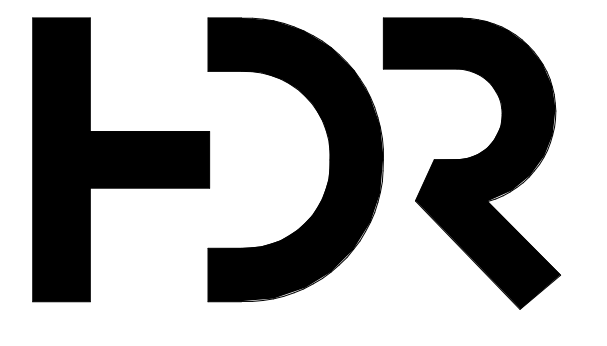
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MOUNTAIN LINE

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Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khairi
Structural Engineer	Chad Stoppel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Rainey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By	Author	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

INDEX OF DRAWINGS

Sheet Number
G-001
Project Status
SCHEMATIC DESIGN DRAWINGS

ABBREVIATIONS

AB ANCHOR BOLT, AUGER BORING	D DEPTH, DEEP, DEGREE OF CURVATURE	HGT,H HEIGHT, HUMIDIFIER
ABS AIR BREAK SWITCH	DB DRY BULB, DECIBEL, DIRECT BURIAL	HB HOSE BIBB
AC AIR CONDITIONING, ASBESTOS CEMENT, ACRES	DD DIVERSION DIKE	HC HANDICAPPED
A/C ASPHALTIC CONCRETE	DET DETAIL	HD HARD DRAWN
ACS AIR CIRCUIT BREAKER	DI DRILL HOLE	HDW HARDWARE
ACSR ALUMINUM CONDUCTOR STEEL REINFORCED	DI DUCTILE IRON	HESW HORN GAP SWITCH
ACST ACOUSTIC	DIAM DIAMETER	HIG HIGH INTENSITY DISCHARGE
ADJ AREA DRAIN, ACCESS DOOR	DM DIMENSION	HORIZ HORIZONTAL
ADJUSTABLE DAMPER	DL DEAD LOAD	HP HIGH POINT
DN DOWN	DMR DOWN	HPS HIGH PRESSURE SODIUM
AFF ABOVE FINISHED FLOOR	DP DISTRIBUTION PANEL	HR HOUR
AHJ AIR HANDLING UNIT	DS DOWNSPOUT, STORM DRAINAGE STRUCTURE	HS HIGH STRENGTH
ALT ALTERNATE	DW DOMESTIC WATER	HTW HOT WATER, HEADWALL
AL ALUMINUM	DWG DRAWING	HVZ HEAVY
AM ACOUSTIC MATERIAL	DWD DRINKING WATER DISPENSER	HZ HERTZ
AMP AMPERE	E EAST	ID INSIDE DIAMETER, INSIDE DIMENSION
AMP ACCESS PANEL APPROX APPROXIMATE	EACH EACH	IE INVERT ELEVATION
ARCH ARCHITECTURAL	EAN EXCEPT AS NOTED	IMC INTERMEDIATE METAL CONDUIT
ARIS ARRESTOR	EAT ENTERING AIR TEMPERATURE	INT INTERIOR
ASPH ASPHALT	EC EMPTY CONDUIT	INSUL INSULATION, INSULATED
B BASELINE	EF EACH FACE, EXHAUST FAN	INVT INVERT
BO BOARD	EG EXHAUST GRILLE	INTX INTERSECTION
BLDG BUILDING	EL ELEVATION	IP INLET PROTECTION
BLK BLOCK	ELEC ELECTRIC	IRBF INDUSTRIAL RESIN BASE FLOORING
BM BEAM	ELEV ELEVATOR	JB JUNCTION BOX
B BOTTOM	EMT ELECTRICAL METALLIC TUBING	JC JANITOR CLOSET
BRG BEARING	EMER EMERGENCY	JCT JUNCTION
BR BOTTOM REGISTER	EP EDGE OF PAVEMENT	JCT JOINT
BSMT BASEMENT	EQU EQUAL	JST JOIST
C CELSIUS	EQUI EQUIPMENT	K KILO
CAP CAPACITY	ER EXHAUST REGISTER	KIAC KILO AMP INTERRUPT CAPACITY
CB CIRCUIT BREAKER	EW EACH WAY	KCP KEENE'S CEMENT PLASTER
CD CEILING DIFFUSER	EWC ELECTRIC WATER COOLER	KG KILOGRAM
CEM CEMENT	EXV EXHAUST	KN KILONEWTN
CG CORNER GUARD	EXIST EXISTING	KOC KNOCK OUT
C&G CURB AND GUTTER	EXP EXPANSION, EXPOSED	KV KILOVOLT
CH CHILLER	EXPJT EXPANSION JOINT	KVA KILOVOLT-AMPERE
CI CAST IRON, COURTYARD INLET	EXT EXTERIOR	KW KILOWATT
CIP CAST IRON PIPE, CAST IN PLACE	F FIRE, FUSE, FILTER	LUS LITERS PER SECOND
CIR CIRCUIT	FA FIRE ALARM FAN, FIRE ALARM BOX	L LOUVER, LENGTH, LENGTH OF CURVE
CKT CONTROL JOINT	FD FLOOR DRAIN, FIRE DAMPER	LA LIGHTNING ARRESTOR
CLG CEILING	FDN FOUNDATION	LC LEAD COVERED
C CENTERLINE	FDR FEEDER	LD LIVE LOAD
CLR CLEAR	FE FIRE EXTINGUISHER	LLH LONG LEG HORIZONTAL
CLP CORRUGATED METAL PIPE	FFE FINISHED FLOOR ELEVATION	LLV LONG LEG VERTICAL
CMPA CORRUGATED METAL PIPE ARCH	FL FIRE HOSE CABINET	LT LIGHT
CMU CONCRETE MASONRY UNITS	FIG FIGURE	LAV LAVATORY VERTICAL
CND CONDUIT	FIN FINISH	LVC LENGTH OF VERTICAL CURVE
CND CONDENSATE	FL FLOOR, FLASHING, FLOW LINE	M METER, METERS PER SECOND
CLEANOUT W/ DECK PLUG	FLUOR FLUORESCENT	M METER, MEGA
COL COLUMN	4 WAY FOUR WAY	MACH MACHINE
COMM COMMUNICATION	FPH FROST PROOF HYDRANT	MAS MASONRY
CONC CONCRETE	FR FRAME	MATL MATERIAL
COND CONDUCTOR	FS FULL SIZE	MAX MAXIMUM
CONN CONNECTION	FTG FOOTING	MCH MECHANICAL
CONST CONSTRUCTION	FJ FELT JOINT	MET METAL
CONT CONTINUOUS	FW FIRE WATER	MH MANHOLE
CONV CONVERTER	FXTR FIXTURE	MIN MINIMUM, MINUTE
COP/CU COPPER	G GROUND, GAS LINE, GRAM	MISC MISCELLANEOUS
CP NON-REINFORCED CONCRETE PIPE	GAGE GA	MLO MAIN LUG ONLY
CR CHAIR, CRASH RAIL	GAL GALVANIZED	MM,mm MILLIMETER
CRS STAINLESS STEEL	GC GLAZED COATING	MO MOTOR OPERATED, MASONRY OPENING, MIDDLE ORDINATE
CS CONCRETE SEALER/SURFACE	GFI GROUND FAULT INTERRUPT	MP MEDIUM PRESSURE
CSK COUNTERSUNK	GFU GROUND FACE MASONRY UNIT	MTD MOUNTED
CT CERAMIC TILE, CURRENT TRANSFORMER, COOLING TOWER	GL GLASS	MTG MOUNTING
CTR CENTER, COOLING TOWER RETURN	GR GRADE	MVP MOUNTED POINT OF TANGENT
CTS COOLING TOWER SUPPLY	GRD GROUND	VS VENT STACK
CW COLD WATER	GSU GLAZED STRUCTURAL UNIT	VTR VENT THRU ROOF
CWB CAPILLARY WATER BARRIER	GW GROUND WATER	VWC VINYL WALL COVERING
CONTR CONTRACTION	GWB GYPSUM WALL BOARD, GYP GYPSUM	
CPT CARPET		

GENERAL NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED WALLS OR SURFACES UNLESS NOTED OTHERWISE.
- REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
- ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
- REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
- REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
- REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
- REFER TO MEP DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
- ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE 'A' UNLESS NOTED OTHERWISE.

SYMBOLS LEGEND

Sheet Number
A-100
Sheet Number
Discipline Code

View Title
A1 View Name
1/8" = 1'-0"
Drawing Scale
Drawing Number

View Title with Reference
A1 View Name
1/8" = 1'-0"
Drawing Scale
Sheet Number
Reference Sheet Number

Exterior Elevations
1
A10 Sheet Number
Position on Sheet

Interior Elevations
19 SIM
A10 19 SIM
Position on Sheet

Match Lines
MATCHLINE
SEE 1/ A101
Sheet Number
Position on Sheet

Area Reference
A
Adjacent Area
SEE: (X)-XXX
Sheet Number
Position on Sheet

Building Section
SIM
A101
Position on Sheet
Sheet Number

Wall Section
SIM
A101
Position on Sheet
Sheet Number

Detail - Section
SIM
A101
Position on Sheet
Sheet Number

Detail - Plan/RCP
SIM
A101
Position on Sheet
Sheet Number

Drawing Revisions
3
Revision Number

North Arrow
Plan North
True North

Graphic Scale
0 2' 4' 8'

Column Grid Lines
1 2
Column Grid Line (New)
A
B
Column Grid Line (Existing)

Level Datum
LEVEL 01
6'-0"
Level Name
Level Elevation

Spot Elevation
10'-0"
Spot Elevation

Spot Coordinates
N 10'-11"
E 12'-10"
EL 10'-0"
North/East Coordinates
Spot Elevation

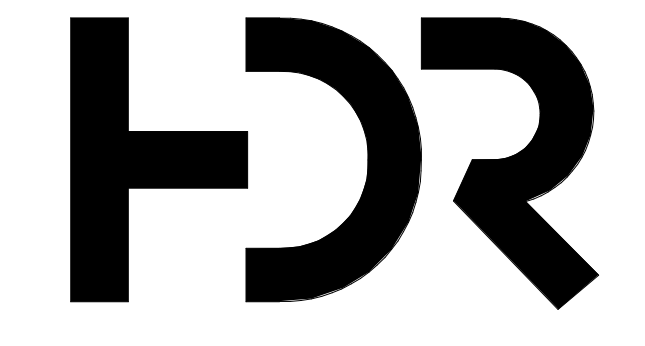
Room Tag
NAME
101A
Room Name
Room Number

Centerline
C
Denotes Centerline of an Object

Sheet Keynote
001
Sheet Keynote Value;
Refer to Sheet Keynote Legend on given sheets

Keynote
00 00 0001
Keynote Value; Six-Digit number refers to corresponding specification section. Alpha-numeric suffix is for architect's internal organization only and has no applicable reference to the project.
Description of Keynoted Item

Toilet Accessory Tag
88
Toilet Accessory per Toilet Accessory Mounting Diagram on Sheet A-730.



HDR Architecture
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MOUNTAIN LINE

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Project Manager	Patrick Glowacki
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Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khair
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By	Author	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

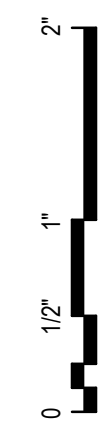
Project Number	10380810
Original Issue	04/15/24



SYMBOLS AND GENERAL NOTES

Sheet Number
G-002
Project Status
SCHEMATIC DESIGN DRAWINGS

4/15/2024 4:57:26 PM BH 380/10380810_Mt_Kasper_MountainLine_Essentially 3221/10380810_Mt_Kasper_2024.rvt 00.000 GENERAL



LIFE SAFETY LEGEND

Area Name	NAME OF AREA/SPACE
Business	FUNCTION OF SPACE (IBC TABLE 1004.5)
15,000 SF	SQUARE FOOTAGE OF AREASPACE
Load Factor: 150	LOAD FACTOR (IBC TABLE 1004.1.2)
Calc. Occ: 100	CALCULATED OCCUPANT LOAD PER AREA/SPACE (IBC 1004)
DOOR	EGRESS COMPONENT - OCCUPANT LOAD AND WIDTH (IN INCHES)
Clear Width: 33"	ACTUAL CLEAR WIDTH PROVIDED
Max Occ: 165	MAXIMUM ALLOWED OCCUPANT LOAD PER EXIT (IBC 1005.3)
Req. Width: 28"	REQUIRED MINIMUM WIDTH PER OCCUPANCY (IBC 1005.3)
Calc. Occ: 140	CALCULATED OCCUPANT LOAD PER EXIT (IBC 1004)
STAIR	EGRESS STAIR - OCCUPANT LOAD AND WIDTH (IN INCHES)
Clear Width: 44"	ACTUAL CLEAR WIDTH PROVIDED
Max Occ: 148	MAXIMUM ALLOWED OCCUPANT LOAD PER STAIR (IBC 1005.3)
Req. Width: 28"	REQUIRED MINIMUM WIDTH PER OCCUPANCY (IBC 1005.3)
Calc. Occ: 93	CALCULATED OCCUPANT LOAD PER STAIR (IBC 1004)
185'-0"	TRAVEL DISTANCE - LONGEST ROUTE TO AN EXIT (MAXIMUM PER SPACE/AREA SHOWN) (IBC 1017.2)
55'-0"	COMMON PATH - DISTANCE TRAVELED BEFORE AN EXIT PATH IS CHOSEN (MAXIMUM PER SPACE/AREA SHOWN) (IBC 1006.2)
45'	DOOR FIRE RATING
EXIT SIGN	ILLUMINATED EXIT SIGN
FEC	FIRE EXTINGUISHER & CABINET RECESSED (SCREENED IF EXISTING) MAX TRAVEL DISTANCE: 75' - (IBC TABLE 906.3(1))
FEC	FIRE EXTINGUISHER & CABINET SURFACE MOUNTED (SCREENED IF EXISTING) MAX TRAVEL DISTANCE: 75' - (IBC TABLE 906.3(1))
FE	FIRE EXTINGUISHER SURFACE MOUNTED (SCREENED IF EXISTING) MAX TRAVEL DISTANCE: 75' - (IBC TABLE 906.3(1))
FHC	FIRE HOSE CABINET RECESSED (SCREENED IF EXISTING)
FD CONNECTION	FIRE DEPARTMENT CONNECTION
STAND PIPE	STAND PIPE
SUITE	SUITE
NOT IN CONTRACT	NOT IN CONTRACT
CONTROL AREA BOUNDARY	CONTROL AREA BOUNDARY

MOVE HEADERS UP AND DOWN TO ACCOMMODATE PROJECT REQUIRED LIFE SAFETY LEGEND INFORMATION

PARTITION RATING GRAPHICS

PARTITIONS REQUIRED TO BE SMOKE RESISTANT, FIRE RESISTANT, OR BOTH FIRE AND SMOKE RESISTANT ARE SHOWN GRAPHICALLY ON PLANS WITH HATCH PATTERNS.

PARTITION RATING GRAPHIC DESIGNATION	PRIORITY
4 HR FIRE RATING	1 HIGHEST
3 HR FIRE RATING	2
2 HR FIRE RATING & SMOKE BARRIER	3
2 HR FIRE RATING	3
1 HR FIRE RATING & SMOKE BARRIER	4
1 HR FIRE RATING	4
SMOKE PARTITION (NON-RATED)	5
NON-RATED PARTITION	5 LOWEST

BUILDING INFORMATION

1. PROJECT NAME:	Mountain Line - Kasper Maintenance
2. ADDRESS:	3733 N Kasper Drive Flagstaff, AZ 86004
3. ZONING DISTRICT:	HC
4. OCCUPANCY:	Non-Separated Occupancy (IBC 508.3) Group S-1: Moderate-hazard Storage (Building Height & Area Determination) Group B: Business (Secondary)
5. BUILDING HEIGHT:	Allowable... 65'-0" Actual... 44'-0"
6. NUMBER OF STORIES:	Allowable... 5 (Per S-1 Occupancy Classification) Actual... 3
7. SEISMIC CATEGORY:	II
8. BUILDING AREAS:	Allowable (Table 506.2) 390,000 GSF Actual... 54,268 GSF Level 01: 21,070 GSF Existing: 11,181 GSF Level 02: 5,902 GSF Level 03: 643 GSF
9. PER OCCUPANCY:	S-1 (Moderate-hazard Storage) - Includes Mechanical Shops, Storage, Mechanical and... 23,715 GSF B (Business) - Includes Offices, Restrooms... 15,082 GSF
10. INCIDENTAL AREAS:	Incidental Accessory Occupancies (Table 509): None
11. REQUIRED...:	0-HR Fire-Rated Wall: Electrical Room
12. CONSTRUCTION TYPE:	Type I-B (Phase 1 Building) Type V (Existing Building)
13. SPRINKLERED:	Building 100% Equipped with Automatic Sprinkler.
14. RESISTANCE RATING:	Primary Structural Frame: 0 Hour Bearing Walls, Exterior: 0 Hour Bearing Walls, Interior: 0 Hour Nonbearing Walls and Partitions, Exterior: 0 Hour Nonbearing Walls and Partitions, Interior: 0 Hour Floor and Associated Secondary Members: 0 Hour Roof and Associated Secondary Members: 0 Hour
15. FIRE PROTECTION...:	Automatic Sprinkler System: Fully Sprinklered Emergency Voice/Alarm Communication: Required per 907.2.2 Means of Egress Illumination / Exit Signs: Provided per IBC Chapter 10, Corridors Not Rated...
16. FIRE EXTINGUISHERS:	10,000 SF / 75'-0" Travel Distance IBC Table 906.3(1) Required: Provided:

APPLICABLE BUILDING CODES

- BUILDING:** 2018 INTERNATIONAL BUILDING CODE (IBC) W/ 2018 AMMENDMENTS
- MECHANICAL:** 2018 INTERNATIONAL MECHANICAL CODE (IMC) W/ 2018 AMMENDMENTS
- PLUMBING:** 2018 INTERNATIONAL PLUMBING CODE (IPC) W/ 2018 AMMENDMENTS
- ELECTRICAL:** 2017 NATIONAL ELECTRICAL CODE (NEC)
- FIRE:** 2018 INTERNATIONAL FIRE CODE (IFC)
- ENERGY:** 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) W/ 2018 AMMENDMENTS
- ACCESSIBILITY:** 2017 A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

APPLICABLE EGRESS REQUIREMENTS

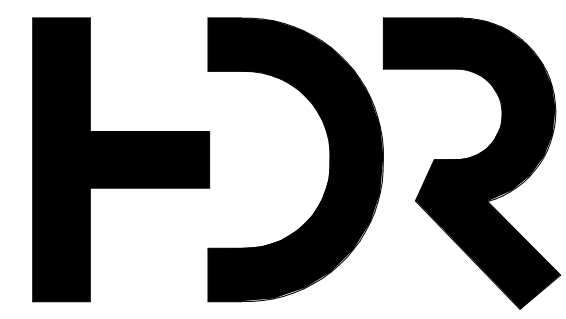
- MAXIMUM ALLOWABLE TRAVEL DISTANCE:** 250 FEET (Storage) Per IBC Table 1017.1 300 FEET (Business)
- COMMON PATH OF EGRESS TRAVEL:** 100 FEET (Storage) Per IBC Table 1006.2.1 100 FEET (Business)
- MAXIMUM ALLOWABLE DEAD-END DISTANCE:** 50 FEET (Storage) Per IBC 1020.4 50 FEET (Business)
- ALLOWABLE EGRESS COMPONENT CAPACITY:** 168 @ 34 INCH DOOR Per IBC 1005.3.1 0.2 Inches/Occupant 24 @ 30 INCH DOOR 65 @ 30 INCH DOOR 85 @ 44 INCH STAIR Per IBC 1005.3.2 0.3 Inches/Occupant

BUILDING OCCUPANT LOAD

PHASE 1 - OCCUPANT LOAD CALCULATION				
Use Designation	Area	Occupancy Classification	Occupancy Load Factor	Occupant Load
LEVEL 01				
Group S-1	18230 SF	Utility & Miscellaneous	300	68
Group B	12378 SF	Business	150	84
LEVEL 02				
Group S-1	5518 SF	Utility & Miscellaneous	300	20
Grand total	36126 SF			172

GENERAL LIFE SAFETY NOTES

- SHOP DRAWINGS WILL BE SUBMITTED TO THE FIRE MARSHAL'S OFFICE FOR REVIEW AND APPROVAL OF ANY INSTALLATION OR MODIFICATION TO THE FIRE SPRINKLER SYSTEM, FIRE ALARM SYSTEM, OR ANY OTHER FIRE RELATED SYSTEM.
- PROVIDE FIRE DEPARTMENT ACCESS AND ADEQUATE WATER SUPPLY FOR THE FIRE PROTECTION PRIOR TO COMMENCEMENT OF VERTICAL CONSTRUCTION.
- ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
- FIRE SPRINKLERS AND FIRE ALARM SYSTEMS SHALL COMPLY WITH NFPA-13. SUBMIT ALL REQUIRED DRAWINGS AND INFORMATION TO A.H.J. PRIOR TO COMMENCEMENT OF ANY RELATED WORK. OBTAIN APPROVAL OF COMPLETED SYSTEMS PRIOR TO FINAL ACCEPTANCE.



HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khairi
Structural Engineer	Chad Stippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: NMT

MARK	DATE	DESCRIPTION
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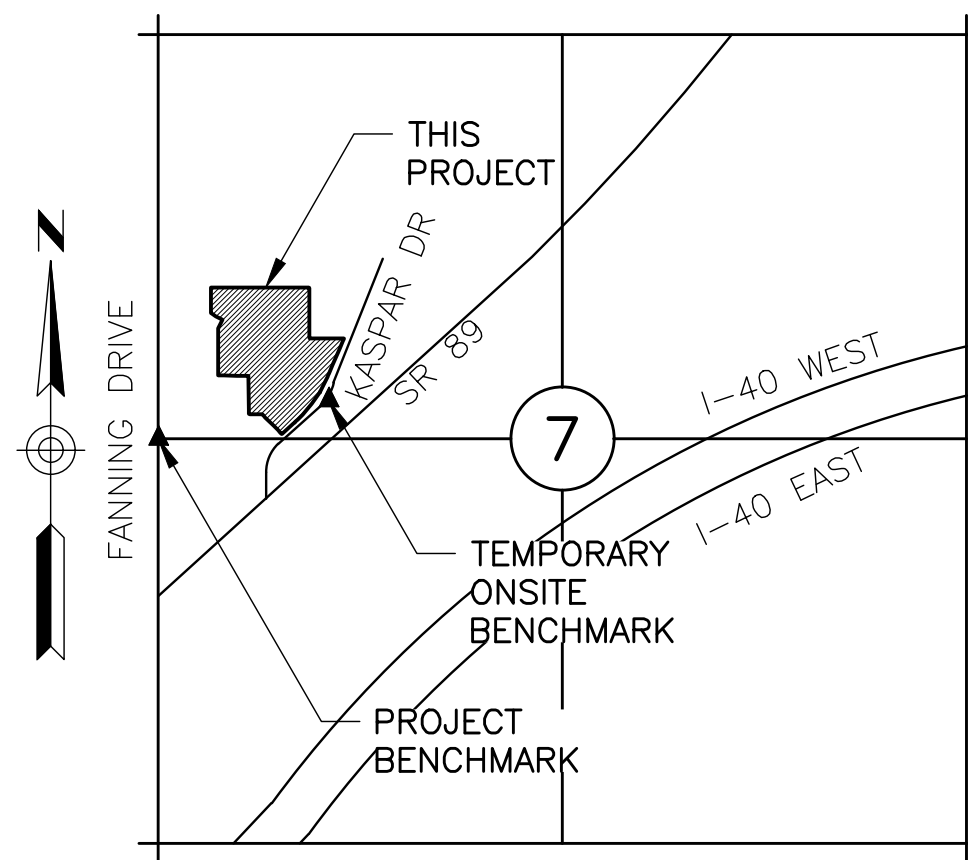
Project Number: 10380810
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Sheet Name: LIFE SAFETY INFORMATION- PHASE 01

Sheet Number: LS-100

Project Status: SCHEMATIC DESIGN DRAWINGS



VICINITY MAP
SECTION 7
T21N, R8E
NTS

PROJECT INFORMATION

OWNER
MOUNTAIN LINE KASPAR HQ
3773 N. KASPAR DRIVE
FLAGSTAFF, AZ 86004
CONTACT: ANNE DUNNO
P: 928.779.6624

ARCHITECT
HDR ARCHITECTURE, INC
20 E. THOMAS ROAD, SUITE 2500
PHOENIX, AZ 85012
CONTACT: JON GRIFFIN
P: 602.522.4388

CIVIL ENGINEER
DIBBLE
1640 S STAPLEY DRIVE, SUITE 120
MESA, AZ 85204
CONTACT: ADRIAN CARVAJAL, P.E.
P: 480.757.7876

FEMA FLOOD ZONE INFORMATION

COMMUNITY NUMBER	PANEL # PANEL DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE	BASE FLOOD ELEV. (IN AO ZONE, USE DEPTH)
04005	6826 9/3/2010	G	9/3/2010	X	1 FT OR LESS
	6827 9/3/2010	G	9/3/2010	X	1 FT OR LESS
04005	6829 9/3/2010	G	9/3/2010	X	1 FT OR LESS

ALL FLOOD ZONES ARE SHOWN IN THIS PLAN SET.

DRAINAGE STATEMENT

THIS SITE IS NOT IN A SPECIAL FLOOD HAZARD AREA. OFFSITE FLOWS AFFECT THE SITE. RETENTION PROVIDED IS FOR THE ROCV AND WILL RETAIN ONSITE STORMWATER ONLY IN AND UNDERGROUND CHAMBER. EXISTING SURFACE DETENTION BASINS AND THE EXISTING CONVEYANCE OF OFFSITE STORMWATER THROUGH THE SITE WILL BE IMPACTED AS A RESULT OF PHASE 1 IMPROVEMENTS. AFFECTED SURFACE DETENTION BASINS WILL BE REPLACED IN OPEN LANDSCAPED AREAS AND CONNECTED VIA EQUALIZER PIPES TO MIRROR THE EXISTING CONDITION. DETENTION ANALYSES WILL BE PERFORMED TO DETERMINE THE REQUIRED DETENTION BASIN AND EQUALIZER PIPE SIZES AND PROPERTIES TO ENSURE THE PROPOSED CONDITION OUTLETS AN EQUIVALENT STORMWATER DISCHARGE AS THE EXISTING CONDITION. THE SAME PROCESS WILL BE PERFORMED AS A PART OF THE PHASE 2 SITE IMPROVEMENTS. THE EXTREME STORM OUTFALL IS AT THE SITE'S SOUTHWEST CORNER PROPERTY LINE AT AN ELEVATION OF 6835.60.

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED ENGINEER/LAND SURVEYOR _____ DATE _____
REGISTRATION NUMBER _____

SHEET INDEX

- C1.0 COVER
- C1.1-C1.2 NOTES
- C1.3 KEY MAP
- C2.3-C2.4 DEMOLITION PLAN
- C3.3-C3.4 SITE PLAN
- C4.3-C4.4 GRADING & DRAINAGE PLAN
- C4.7-C4.8 STORM DRAIN PLAN
- C5.3 UTILITY PLAN
- C6.1-6.2 DETAILS
- C7.1 CROSS SECTIONS

PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT INCLUDES THE DEMOLITION OF EXISTING GROUND FEATURES, INCORPORATION OF NEW HARDSCAPE IMPROVEMENTS, DRAINAGE IMPROVEMENTS, ROOFTOP PARKING AND THE INSTALLATION OF NEW DRY AND WET UTILITIES TO THE PROPOSED MOUNTAIN LINE HEADQUARTERS MAINTENANCE FACILITY (THE NEW BUILDING). HARDSCAPE IMPROVEMENTS WILL INCLUDE PARKING AND ADA ACCESSIBILITY FEATURES.

A PHASED APPROACH WILL BE INCORPORATED INTO THE DESIGN OF THE NEW BUILDING. THIS PACKAGE WILL DELINEATE THE SCOPE OF WORK IDENTIFIED WITHIN PHASE 1. PHASE 2 WILL BE IN A SEPARATE PACKAGE AND WILL REQUIRE SEPARATE APPROVAL AND A SEPARATE PERMIT. THIS PACKAGE WILL INCLUDE A BUILDING EXPANSION, HARDSCAPE ADDITIONS, ONSITE AND OFFSITE DRAINAGE IMPROVEMENTS.

EARTHWORK

PHASE 1:
CUT --- CY
FILL --- CY
NET --- CY (IMPORT/EXPORT)

NOTE:
CONTRACTOR TO CONDUCT INDEPENDENT EARTHWORK CALCULATIONS. ACTUAL FIELD CONDITIONS MAY VARY.

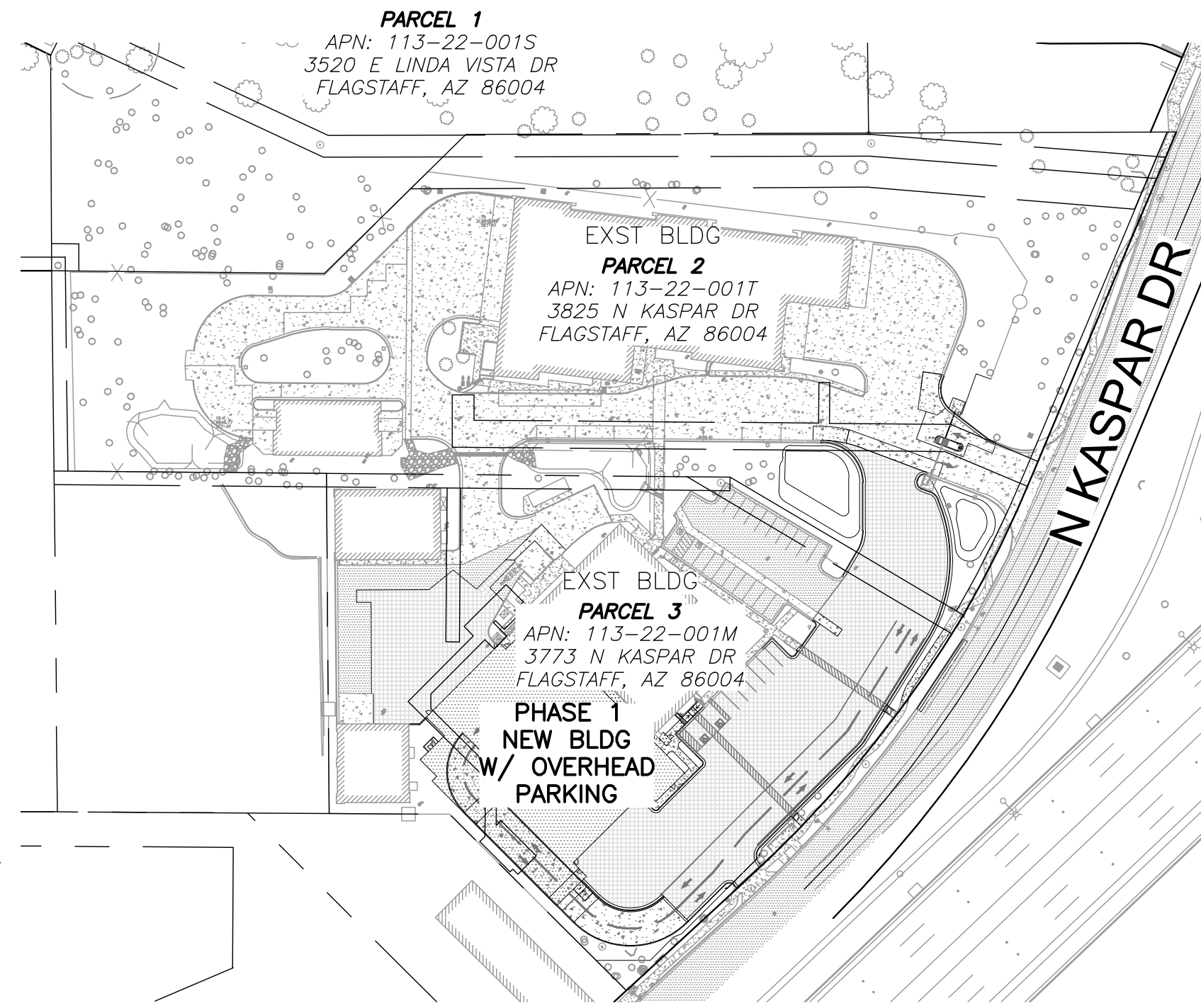
PARCEL SIZE

PARCEL 1	232,031 SQUARE FEET OR 5.33 ACRES (GROSS)
PARCEL 2	177,319 SQUARE FEET OR 4.07 ACRES (GROSS)
PARCEL 3	117,845 SQUARE FEET OR 2.71 ACRES (GROSS)
TOTAL:	527,195 SQUARE FEET OR 12.11 ACRES (GROSS)

NAIPTA MOUNTAIN LINE KASPAR HEADQUARTERS MAINTENANCE FACILITY PHASE 1

3773 N KASPAR DRIVE FLAGSTAFF, ARIZONA 86004

A PORTION OF SECTION 07,
TOWNSHIP 21N, RANGE 8E



LOCATION MAP

SCALE: 1" = 100'

SIGNATURE BLOCKS

CONCEPT APPROVAL NOTE:
THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY. THE CITY SHALL NOT BE LIABLE FOR ERRORS OR OMISSIONS OF THE DESIGN ENGINEER.

DAVID MILLIS, CITY ENGINEER _____ DATE _____
SCOTT OVERTON, CITY PUBLIC WORKS DIRECTOR _____ DATE _____
CITY OF FLAGSTAFF UTILITIES DIRECTOR _____ DATE _____
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY _____ DATE _____ FILE # _____
ARIZONA DEPARTMENT OF TRANSPORTATION _____ DATE _____ PERMIT # _____

GRADING & LANDSCAPING COORDINATION

BY SIGNING THESE PLANS, THE DESIGNER OF THE LANDSCAPING PLANS CONFIRMS THAT THESE GRADING PLANS HAVE BEEN REVIEWED, IS AWARE OF THE SCOPE OF THE PROJECT, AND HAS IDENTIFIED AND ADDRESSED ANY POTENTIAL CONFLICT BETWEEN THE GRADING AND LANDSCAPING PLANS.

LANDSCAPE DESIGNER _____ DATE _____

BASIS OF BEARING AND BENCHMARK INFORMATION

- COORDINATES WERE VERIFIED IN THE FIELD USING REAL TIME KINEMATIC GPS OBSERVATIONS RELATIVE TO PUBLISHED CONTROL POINTS.
- SURVEYED DURING THE MONTH OF MAY 2022.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROLS IN THE FIELD PRIOR TO CONSTRUCTION.
- PROJECT METADATA:

UNITS:
COORDINATES, DISTANCES AND ELEVATION ARE SHOWN IN INTERNATIONAL FEET.

HORIZONTAL DATUM (BASIS OF BEARINGS):

LOCAL DATUM (CLIENT PROVIDED)

POINT 1000 FOUND ALUMINUM CAP FLUSH "SHEPARD"

LOCAL NORTHING = 80002.29

LOCAL EASTING = 77529.81

ELEVATION = 6843.73

POINT 1009 FOUND REBAR

LOCAL NORTHING = 80331.56

LOCAL EASTING = 77228.55

ELEVATION = 6866.55

POINT 1022 FOUND ALUMINUM CAP FLUSH

LOCAL NORTHING = 79448.12

LOCAL EASTING = 77163.39

ELEVATION = 6837.30

VERTICAL DATUM:

NAVD '88

PROJECT BENCHMARK:

- ▲ POINT 3
FOUND NGS PUBLISHED BENCHMARK
ALUMINUM CAP FLUSH STAMPED "GEMINI"
LOCAL NORTHING = 78944.81 (NAD83 NORTHING = 1534327.045)
LOCAL EASTING = 64976.25 (NAD83 EASTING = 784583.219)
PUBLISHED ELEVATION = 7116.61

ONSITE BENCHMARK:

- ▲ POINT 1010
FOUND REBAR IN HAND HOLE BENT
LOCAL NORTHING = 79759.77
LOCAL EASTING = 77380.82
ELEVATION = 6841.75

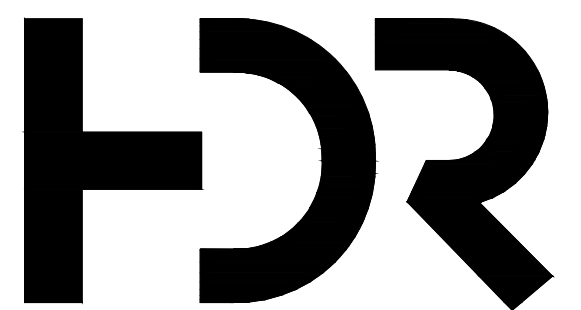
- THE COORDINATES PRESENTED ARE SHOWN TO THREE DECIMAL PLACES FOR CALCULATION PURPOSES AND ARE NOT REPRESENTATIVE OF THE PRECISION OF THE SURVEY MEASUREMENTS.

NO CONFLICT SIGNATURE BLOCK				
UTILITY	UTILITY COMPANY	NAME OF COMPANY REPRESENTATIVE	TELEPHONE NUMBER	DATE SIGNED
CULVERTS, STORM DRAINS	ADOT	TODD SKINNER	928.637.8895	
ELECTRIC, LIGHTING, TRAFFIC SIGNALS	ADOT	KEITH JOHNSON	928.326.1887	
ELECTRIC	APS	-	602.493.4225	
CAOXIAL, FIBER OPTICS	CENTURYLINK (LUMEN)	-	800.778.9140	
STREET LIGHTS, TRAFFIC SIGNALS	COF	STEVEN HILL	928.779.7685 x2168	
RECLAIMED WATER, SEWER, POTABLE WATER	COF	GREG SIDWELL	928.699.3989	
CATV, FIBER OPTICS	NPG CABLE, LLC (SUDDENLINK)	MATT HERMAN (USIC)	480.450.3889	
NATURAL GAS	UNISOURCE ENERGY SERVICES	TRAVIS PUKLAVETZ	928.525.8136	

ENGINEER'S CERTIFICATION
I, ADRIAN CARVAJAL, AS ENGINEER OF RECORD FOR THIS DEVELOPMENT, HEREBY CERTIFY THAT ALL UTILITY COMPANIES LISTED ABOVE HAVE BEEN PROVIDED FINAL DEVELOPMENT PLANS FOR REVIEW, AND THAT ALL CONFLICTS IDENTIFIED BY THE UTILITIES HAVE BEEN RESOLVED. IN ADDITION, "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY AND ARE INCLUDED IN THIS SUBMITTAL.

05/05/2024
SIGNATURE _____ DATE _____

SUMMARY OF UTILITY CONFLICTS:
DESCRIPTION OF CONFLICTS & APPEARANCE LOCATION: TO BE DETERMINED



HDR Architecture
20 E Thomas rd
Suite #2500
Phoenix, AZ 85012



1640 South Stapley Drive,
Suite 120
Phoenix, AZ 85204
Phone: 480.757.7876
Contact: Adrian Carvajal, P.E.

MOUNTAIN LINE KASPAR HEADQUARTERS MAINTENANCE FACILITY

3733 N Kaspar Dr
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Eddleman-Health
Civil Engineer	Athay Khaira
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer _____ RM

MARK	DATE	DESCRIPTION
	03.19.2024	Site Plan Submission
	04.10.2024	Schematic Design

Project Number 10380810
Original Issue 04.10.2024

PRELIMINARY NOT FOR CONSTRUCTION OR RECORDING

Sheet Name
COVER

Sheet Number
C1.0

Project Status
SCHEMATIC DOCUMENTS - 05/05/2024

COF PROJECT #:

TO BE DETERMINED



CITY OF FLAGSTAFF WATER & SEWER NOTES

- ROUGH GRADING SHALL BE COMPLETED WITHIN ONE-TENTH (1/10) OF A FOOT OF PLAN GRADE AND APPROVED BY THE CITY ENGINEER'S AUTHORIZED REPRESENTATIVES PRIOR TO INSTALLATION OF UNDERGROUND UTILITIES.
- NO TRENCH SHALL BE FILLED WITH BEDDING MATERIAL OR BACKFILL UNTIL THE EXCAVATION AND PIPE LAYING, RESPECTIVELY, HAVE BEEN APPROVED BY THE CITY ENGINEER'S AUTHORIZED REPRESENTATIVE.
- A WATER PRESSURE TEST IS REQUIRED OF ALL WATER LINES AND A HYDROSTATIC OR AIR TEST IS REQUIRED OF ALL SEWER LINES AND MANHOLES. TESTS ARE TO BE CONDUCTED AFTER BACKFILLING IS COMPLETE AND COMPACTED ON ALL PUBLIC AND/OR PRIVATE UNDERGROUND UTILITIES.
- WATER AND SEWER SERVICE LINES ARE TO BE MARKED AS SHOWN ON THE STANDARD SERVICE DETAILS.
- WATER LINE DISINFECTION IS TO BE ACCOMPLISHED AS OUTLINED IN ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) "BULLETIN NO. 8."
- WATER PIPE CLASSIFICATION SHALL BE CLASS 305 FOR A.W.W.A. C-900 PVC AND CLASS 350 FOR DUCTILE IRON UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. C-900 SHALL CONFORM TO CAST-IRON-EQUIVALENT OUTSIDE DIAMETER AND HAVE ELASTOMERIC GASKETS AND COUPLINGS. ALL DUCTILE IRON PIPE SHALL BE POLYETHYLENE ENCASED IN ACCORDANCE WITH MAG SPECIFICATIONS.
- ALL MATERIALS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61 INCLUDING, BUT NOT LIMITED TO, GASKETS, LUBRICANTS, PIPE FITTINGS, AND VALVES (NSF-PW SEAL) (R18-4-119B).
- ALL PUBLIC SANITARY SEWER LINES AND PRIVATE SEWER SERVICE LINES WITHIN A PUBLIC UTILITY EASEMENT OR RIGHT-OF-WAY WILL BE INSPECTED PRIOR TO ACCEPTANCE BY THE CITY.
- WATER AND SEWER MAINS SHALL BE SEPARATED IN ORDER TO PROTECT PUBLIC WATER SYSTEMS FROM POSSIBLE CONTAMINATION. ALL DISTANCES ARE MEASURED PERPENDICULARLY FROM THE OUTSIDE OF THE SEWER MAIN TO THE OUTSIDE OF THE WATER MAIN. SEPARATION REQUIREMENTS ARE AS FOLLOWS:
 - A WATER MAIN SHALL NOT BE PLACED:
 - WITHIN SIX (6) FEET, HORIZONTAL DISTANCE, AND LESS THAN TWO (2) FEET, VERTICAL DISTANCE, ABOVE THE TOP OF A SEWER MAIN UNLESS EXTRA PROTECTION IS PROVIDED. EXTRA PROTECTION SHALL CONSIST OF CONSTRUCTING THE SEWER MAIN WITH MECHANICAL JOINT DUCTILE IRON PIPE OR WITH SLIP-JOINT DUCTILE IRON PIPE IF JOINT RESTRAINT IS PROVIDED. ALTERNATE EXTRA PROTECTION SHALL CONSIST OF ENCASING BOTH THE WATER AND SEWER MAINS IN AT LEAST SIX (6) INCHES OF CONCRETE FOR AT LEAST TEN (10) FEET BEYOND THE AREA COVERED BY THIS SUBSECTION.
 - WITHIN TWO (2) FEET HORIZONTALLY AND TWO (2) FEET BELOW THE SEWER MAIN. WHEN A WATER MAIN IS PLACED BELOW A SEWER MAIN, EXTRA PROTECTION IS ALWAYS REQUIRED REGARDLESS OF THE VERTICAL SEPARATION.
 - NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND MANHOLES SHALL BE SIX (6) FEET, MEASURED FROM THE CENTER OF THE MANHOLE.
 - THE MINIMUM SEPARATION BETWEEN FORCE MAINS OR PRESSURE SEWERS AND WATER MAINS SHALL BE TWO (2) FEET VERTICALLY AND SIX (6) FEET HORIZONTALLY UNDER ALL CONDITIONS. WHERE A SEWER FORCE MAIN CROSSES ABOVE OR LESS THAN SIX (6) FEET BELOW A WATER LINE, THE SEWER MAINS SHALL BE ENCASED IN AT LEAST SIX (6) INCHES OF CONCRETE OR CONSTRUCTED USING MECHANICAL JOINT DUCTILE IRON PIPE FOR TEN (10) FEET ON EITHER SIDE OF THE WATER MAIN.
 - EVEN WHEN EXTRA PROTECTION IS UTILIZED, THE MINIMUM CLEARANCE BETWEEN WATER AND SEWER SHALL BE ONE (1) FOOT.
 - THE SEPARATION REQUIREMENTS DO NOT APPLY TO BUILDING, PLUMBING, OR INDIVIDUAL HOUSE SERVICE CONNECTIONS.
 - WHEN HYDROSTATIC TESTING IS PERFORMED, SEWER LINES SHALL BE TESTED FOR INFILTRATION/EXFILTRATION IN ACCORDANCE WITH ADEQ ENGINEERING BULLETIN NO. 11. MANHOLES SHALL BE TESTED BY FILLING THE MANHOLE WITH WATER. THE APPLICANT SHALL ENSURE THAT THE DROP IN WATER LEVEL DOES NOT EXCEED ONE-THOUSANDTH (0.001) OF THE TOTAL MANHOLE VOLUME IN ONE (1) HOUR.
 - WHEN AIR TESTING IS PERFORMED, SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH ASTM F1417-92. MANHOLES SHALL BE TESTED IN ACCORDANCE WITH ASTM C1244.
- SEWER PIPE SHALL BE SDR 35, ASTM D3034 FOR PVC PIPE, OR CLASS 150 DIP LINED WITH PROTECTO 401 CERAMIC EPOXY OR HDPE ASTM F894. ALL DUCTILE IRON PIPELINES SHALL BE POLYETHYLENE ENCASED IN ACCORDANCE WITH MAG SPECIFICATIONS. SPECIAL DESIGN CONSIDERATIONS MAY REQUIRE A HIGHER CLASS RATING OF DIP.
- NO WATER SETTling OF TRENCH FILL MATERIAL IS ALLOWED.
- ALL WATER AND SEWER DESIGN AND CONSTRUCTION SHALL CONFORM TO THE CURRENT ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) REQUIREMENTS. WHEN ADEQ REQUIREMENTS ARE IN CONFLICT WITH THESE STANDARDS, THE MORE RESTRICTIVE SHALL APPLY.
- TRACER WIRES AND TAPES SHALL BE INSTALLED PRIOR TO TESTING THE WATER OR SEWER MAIN AS REQUIRED BY SECTION 13-09-001-0002. (STRIP WIRE TWO (2) INCHES AT TERMINATION OF THE SERVICE.)
- WATER VALVES SHALL BE ADJUSTED IN ACCORDANCE WITH CITY OF FLAGSTAFF ENGINEERING DETAIL NO. 9-03-060 AND MANHOLES SHALL BE ADJUSTED IN ACCORDANCE WITH CITY OF FLAGSTAFF ENGINEERING DETAIL NO. 9-03-062.
- ONE HUNDRED PERCENT (100%) OF THE SEWER LINE SHALL BE TESTED FOR UNIFORM SLOPE BY REMOTE CAMERA AND TESTED FOR SHORT-TERM DEFLECTION.
- WHEN A SEWER SERVICE IS REQUIRED TO BE ABANDONED, IT SHALL BE ABANDONED AT THE PROPERTY LINE AND CAPPED USING THE APPROPRIATE MATERIALS (PVC, CLAY, OR CONCRETE).
- WHEN AN EXISTING WATER SERVICE IS REQUIRED TO BE ABANDONED, IT SHALL BE ABANDONED AT THE MAIN. THE SADDLE AND CORP. STOP SHALL BE REMOVED AND THE MAIN CLAMPED WITH AN APPROVED FULL CIRCLE REPAIR CLAMP.
- THE LOCATION OF WATER SERVICES SHALL BE IDENTIFIED BY BRANDING A "W" ON THE TOP OR FACE OF CURB.
- SEWER SERVICE LOCATIONS SHALL BE IDENTIFIED BY BRANDING AN "S" ON THE TOP OR FACE OF THE CURB. (ORD. 2017-22, REP&GREEN, 07/05/2017)

LEGAL DESCRIPTION

PARCEL 1
 PARCEL "C", AS DELINEATED ON RECORD OF SURVEY RECORDED IN BOOK 19 OF SURVEYS, PAGE 60, BEING A PORTION OF SECTION 7, TOWNSHIP 21 NORTH, RANGE 8 EAST OF THE GILA & SALT RIVER BASE AND MERIDIAN, COCONINO COUNTY, ARIZONA.

PARCEL 2
 THE FOLLOWING IS A DESCRIPTION OF A PARCEL OF LAND, AS SHOWN ON BOOK 19, PAGE 60, COCONINO COUNTY RECORDS (CCR), SITUATED IN THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 21 NORTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, FLAGSTAFF, COCONINO COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 PARCEL B AS SHOWN ON BOOK 19, PAGE 60 DESCRIBED AS FOLLOWS:
 BEGINNING AT THE SOUTHWEST CORNER OF PARCEL B AS SHOWN ON BOOK 19 RECORDS OF SURVEY, PAGE 60;
 THENCE NORTH 00 DEGREES 46 MINUTES 45 SECONDS WEST ALONG THE WEST LINE OF PARCEL B AS SHOWN ON BOOK 19, PAGE 60, A DISTANCE OF 147.11 FEET;
 THENCE SOUTH 89 DEGREES 37 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF PARCEL B AS SHOWN ON BOOK 19, PAGE 60, A DISTANCE OF 200.31 FEET;
 THENCE NORTH 45 DEGREES 20 MINUTES 08 SECONDS EAST ALONG THE NORTH LINE OF PARCEL B AS SHOWN ON BOOK 19, PAGE 60, A DISTANCE OF 145.90 FEET;
 THENCE NORTH 89 DEGREES 36 MINUTES 26 SECONDS EAST ALONG THE NORTH LINE OF PARCEL B AS SHOWN ON BOOK 19, PAGE 60, A DISTANCE OF 295.90 FEET;
 THENCE NORTH 89 DEGREES 36 MINUTES 50 SECONDS EAST ALONG THE NORTH LINE OF PARCEL B AS SHOWN ON BOOK 19, PAGE 60, A DISTANCE OF 226.15 FEET TO THE POINT ON THE WEST RIGHT-OF-WAY LINE OF KASPAR DRIVE;
 THENCE SOUTH 22 DEGREES 34 MINUTES 04 SECONDS WEST ALONG THE WEST LINE OF KASPAR DRIVE A DISTANCE OF 272.65 FEET TO THE BEGINNING OF A CURVE, CONCAVE TO THE NORTHWEST, AND HAVING A RADIUS OF 869.93 FEET;
 THENCE SOUTHWESTERLY ALONG SAID CURVE ALONG SAID RIGHT-OF-WAY LINE OF KASPAR DRIVE A DISTANCE OF 115.92 FEET THROUGH A CENTRAL ANGLE OF 07 DEGREES 38 MINUTES 06 SECONDS;
 THENCE NORTH 59 DEGREES 30 MINUTES 47 SECONDS WEST ALONG THE SOUTH LINE OF PARCEL B AS SHOWN ON BOOK 19, PAGE 60 A DISTANCE OF 199.36 FEET;
 THENCE NORTH 89 DEGREES 40 MINUTES 08 SECONDS WEST ALONG THE SOUTH LINE OF PARCEL B AS SHOWN ON BOOK 19, PAGE 60 A DISTANCE OF 496.70 FEET TO THE TRUE POINT OF BEGINNING.

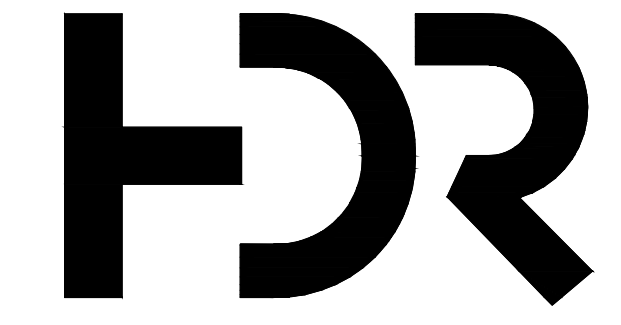
PARCEL 3
 A PARCEL OF LAND LYING IN THE SOUTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER IN SECTION 7, TOWNSHIP 21 NORTH, RANGE 8 EAST, GILA AND SALT RIVER BASE AND MERIDIAN, CITY OF FLAGSTAFF, COCONINO COUNTY, ARIZONA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 FROM THE WEST QUARTER CORNER OF SECTION 7, TOWNSHIP 21 NORTH, RANGE 8 EAST, BEAR NORTH 00 DEGREES 36 MINUTES 41 SECONDS WEST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 7, SAID WEST LINE ALSO BEING THE RANGE LINE BETWEEN RANGE 7 EAST AND RANGE 8 EAST, A DISTANCE OF 171.64 FEET TO A POINT ON THE CENTERLINE OF FANNING DRIVE;
 THENCE SOUTH 89 DEGREES 39 MINUTES 41 SECONDS EAST, LEAVING THE AFORESAID CENTERLINE OF FANNING DRIVE AND THE WEST LINE OF SECTION 7, A DISTANCE OF 393.00 FEET TO THE TRUE POINT OF BEGINNING;
 THENCE SOUTH 89 DEGREES 39 MINUTES 41 SECONDS EAST, A DISTANCE OF 290.60 FEET;
 THENCE SOUTH 45 DEGREES 06 MINUTES 11 SECONDS EAST A DISTANCE OF 183.07 FEET, MORE OR LESS, TO THE NORTHWESTERLY RIGHT OF WAY LINE OF FRONTAGE ROAD;
 THENCE NORTH 47 DEGREES 29 MINUTES 33 SECONDS EAST, ALONG SAID NORTHWESTERLY RIGHT OF WAY LINE OF FRONTAGE ROAD, A DISTANCE OF 116.19 FEET TO THE POINT OF CURVATURE OF A CIRCULAR CURVE TO THE LEFT HAVING A RADIUS OF 869.93 FEET AND A LOCAL TANGENT BEARING OF NORTH 46 DEGREES 57 MINUTES 40 SECONDS EAST;
 THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 16 DEGREES 46 MINUTES 25 SECONDS A DISTANCE OF 254.68 FEET TO THE POINT OF TANGENCY;
 THENCE NORTH 59 DEGREES 13 MINUTES 51 SECONDS WEST, LEAVING THE AFORESAID NORTHWESTERLY FRONTAGE ROAD, A DISTANCE OF 197.58 FEET;
 THENCE NORTH 89 DEGREES 39 MINUTES 41 SECONDS WEST, A DISTANCE OF 497.07 FEET;
 THENCE SOUTH 00 DEGREES 36 MINUTES 41 SECONDS EAST, A DISTANCE OF 250.00 FEET TO THE POINT OF BEGINNING.
 EXCEPTING THE WESTERLY 200 FEET.

ABBREVIATIONS

ABC	AGGREGATE BASE COURSE	LE	LOCAL EASTING
AC	ASPHALT CONCRETE	LF	LINEAR FEET
ACF	ALUMINUM CAP FLUSH	LN	LOCAL NORTHING
ACP	ASBESTOS CEMENT PIPE	MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
B/C	BACK OF CURB	ME	MATCH EXISTING
BC	BRASS CAP	MH	MANHOLE
BFC	BRASS CAP FLUSH	M	MONUMENT LINE
BCHH	BRASS CAP IN HANDHOLE	MOD	MODIFIED
BLDG	BUILDING	NTS	NOT TO SCALE
BM	BENCHMARK	OC	ON CENTER
BOT	BOTTOM	OHE	OVERHEAD ELECTRIC
C	CONCRETE ELEVATION	P	PAVEMENT ELEVATION
CATV	CABLE TELEVISION	PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
CDL	COMMERCIAL DRIVER'S LICENSE (TRAINING)	R	PROPERTY LINE
CIP	CAST IRON PIPE	PUE	PUBLIC UTILITY EASEMENT
CIPCP	CAST IN PLACE CONCRETE PIPE	PVC	POLY VINYL CHLORIDE
CL	CENTERLINE	PVMT	PAVEMENT
CMP	CORRUGATED METAL PIPE	R/W	RIGHT-OF-WAY
COF	CITY OF FLAGSTAFF	R	RADIUS, RANGE
COMM	COMMUNICATION	RB	REBAR
CONC	CONCRETE	RBHH	REBAR IN HANDHOLE
CONST	CONSTRUCTION	RCP	REINFORCED CONCRETE PIPE
D/W	DRIVEWAY	RW	RECLAIMED WATER
DET	DETAIL	RG	RUBBER GASKET
DIA	DIAMETER	S/W	SIDEWALK
DIP	DUCTILE IRON PIPE	S	SLOPE, SEWER, SECTION
E/P	ELEVATION	SD	STORM DRAIN
EL	EASEMENT	SEC	SECTION
ESMT	EXISTING	SF	SQUARE FOOT
EXST	EXISTING	SPEC	SPECIFICATIONS
F/C	FACE OF CURB	STA	STATION
FF	FINISH FLOOR ELEVATION	STD	STANDARD
FP	FINISH PAD ELEVATION	STL	STEEL
FG	FINISH GRADE ELEVATION	SY	SQUARE YARD
FH	FIRE HYDRANT	T	TOWNSHIP
FL	FIRE LINE, FLOWLINE	TC	TOP OF CURB
FND	FOUND	TCE	TEMPORARY CONSTRUCTION EASEMENT
FO	FIBER OPTIC	TEL	TELEPHONE
FT	FOOT OF FEET	TYP	TYPICAL
G	GUTTER ELEVATION, GAS	UNK	UNKNOWN
GB	GRADE BREAK	VCP	VITRIFIED CLAY PIPE
GR	GRATE ELEVATION	VP	VOLUME PROVIDED
HDPE	HIGH DENSITY POLYETHYLENE	VR	VOLUME REQUIRED
HW	HEADWALL	W	WATER
HWE	HIGH WATER ELEVATION	W/	WITH
INV	INVERT	WM	WATER METER
IRR	IRRIGATION	WSE	WATER SURFACE ELEVATION

LEGEND

EXST	NEW
▲ BENCHMARK	⊙ BACKFLOW PREVENTION DEVICE
● MONUMENT FLUSH	☼ CACTUS
⊙ MONUMENT IN HANDHOLE	⊙ DRYWELL
⊙ BACKFLOW PREVENTION DEVICE	⊙ FIRE HYDRANT
⊙ DRYWELL	⊙ FIRE DEPT CONNECTION
⊙ FIRE HYDRANT	⊙ GATE
⊙ FIRE DEPT CONNECTION	⊙ MANHOLE
⊙ GATE	⊙ METER
⊙ GRATE	⊙ PIPE CAP
⊙ GUY WIRE	⊙ PULLBOX
⊙ MANHOLE (TYPE NOTED)	⊙ RIPRAP
⊙ METER (TYPE NOTED)	⊙ ROCK
⊙ PEDESTAL (TYPE NOTED)	⊙ SHRUB
⊙ PULLBOX (TYPE NOTED)	⊙ SIGN
⊙ SHRUB	⊙ STREET LIGHT
⊙ SIGN	⊙ VALVE
⊙ STREET LIGHT	--- CENTERLINE
⊙ TREE	--- EASEMENT
⊙ UTILITY POLE	--- RIGHT-OF-WAY
⊙ VALVE (TYPE NOTED)	--- FLOWLINE
--- BUILDING SETBACK	--- MASONRY WALL/RETAINING WALL
--- EASEMENT	--- MAJOR CONTOUR
--- PROPERTY LINE	--- MINOR CONTOUR
--- RIGHT-OF-WAY	--- STORM DRAIN
--- CHANNEL	--- 2"W UTILITY LINE (TYPE NOTED)
--- FENCE WOOD	--- NEW BUILDING
--- FENCE WIRE	⊙ SEWER CLEANOUT
--- FENCE CHAINLINK	M MONUMENT LINE
--- FLOWLINE	CL CENTER LINE
--- GUARDRAIL	R PROPERTY LINE
--- MASONRY WALL/RETAINING WALL	ASPHALT PAVEMENT
--- MAJOR CONTOUR	CONCRETE
--- MINOR CONTOUR	→ NEW FLOW DIRECTION
--- UTILITY LINE (TYPE NOTED)	
--- EXST BUILDING	



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Wayfinding	

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MARK	DATE	DESCRIPTION
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	04.10.2024	Schematic Design

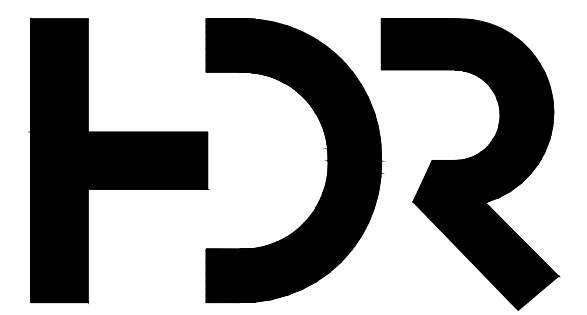
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NOTES

C1.2





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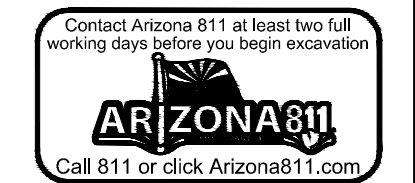
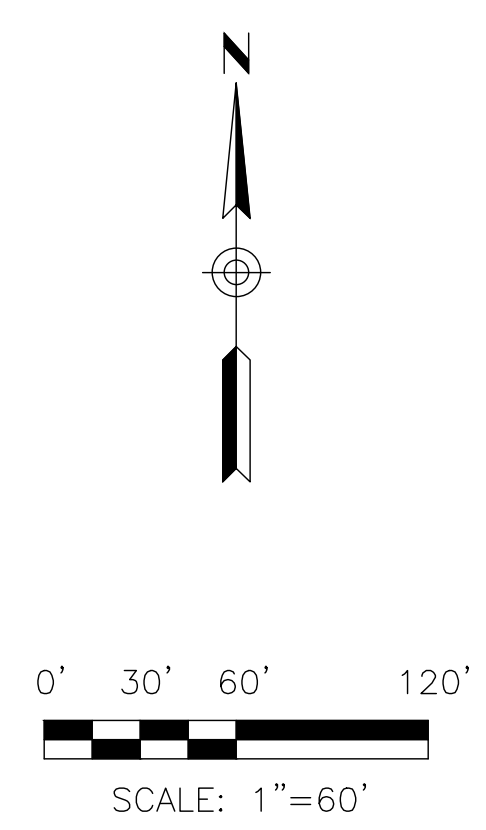
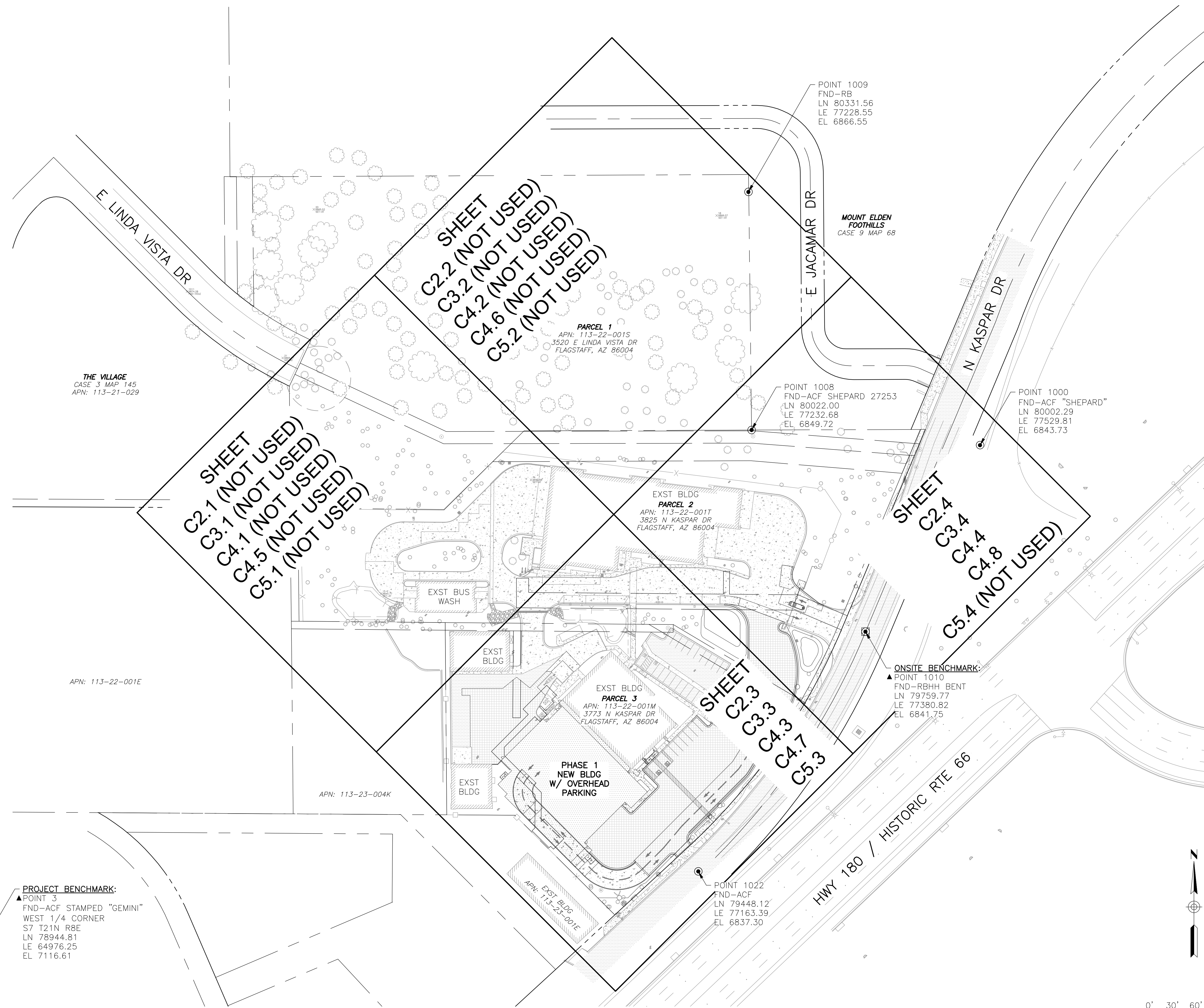
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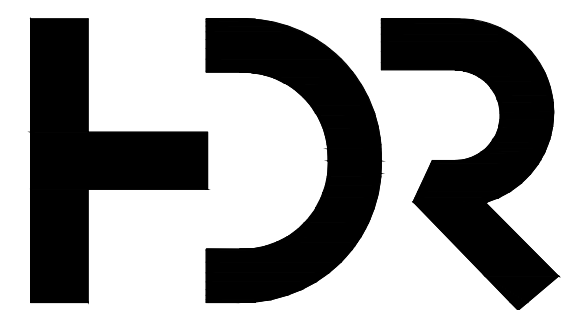
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Sheet Number: **C1.3**

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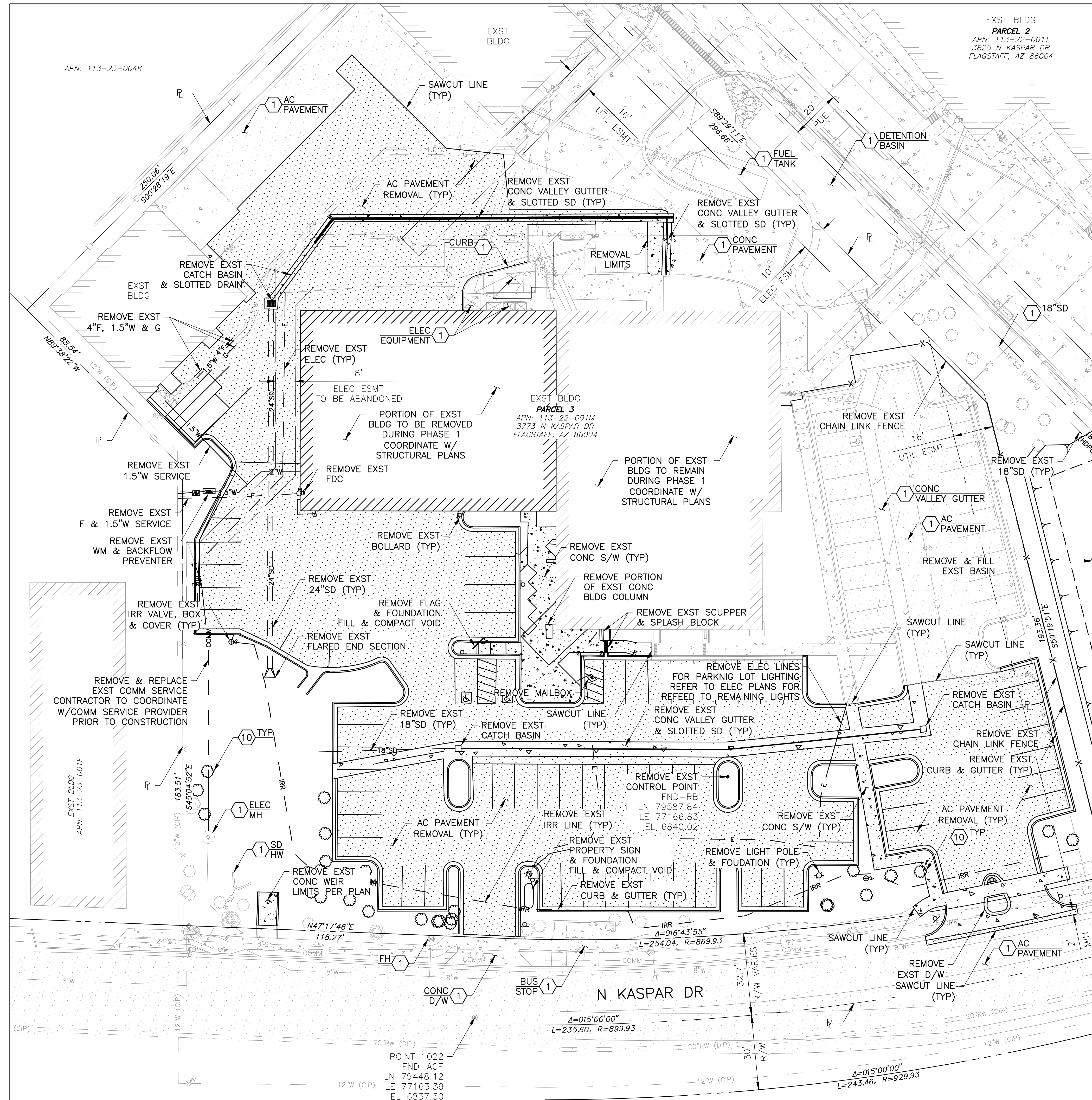


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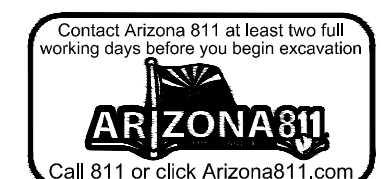
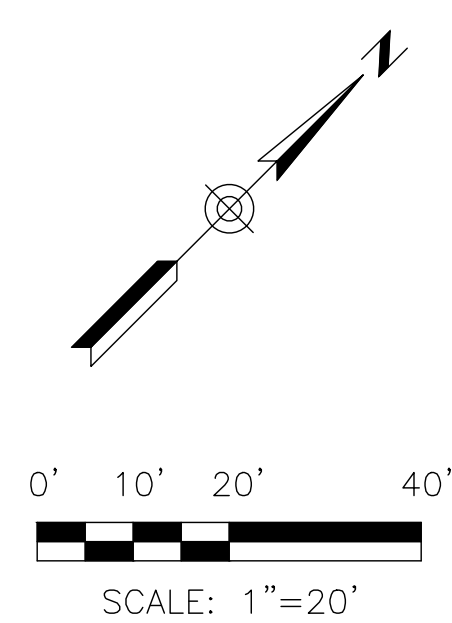
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Project Number: 10380810
Original Issue: 04.10.2024**PRELIMINARY
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DEMOLITION PLANSheet Number:
C2.3Project Status:
SCHEMATIC DOCUMENTS - 05/05/2024

MATCH LINE SHEET C2.4

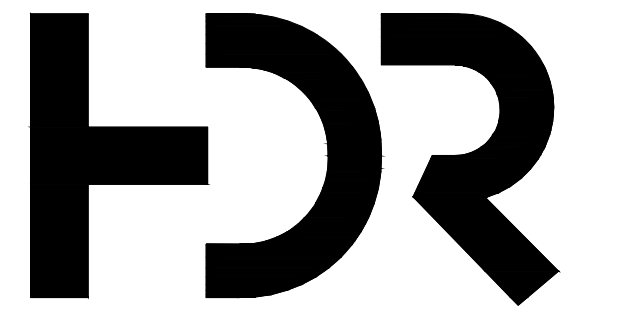
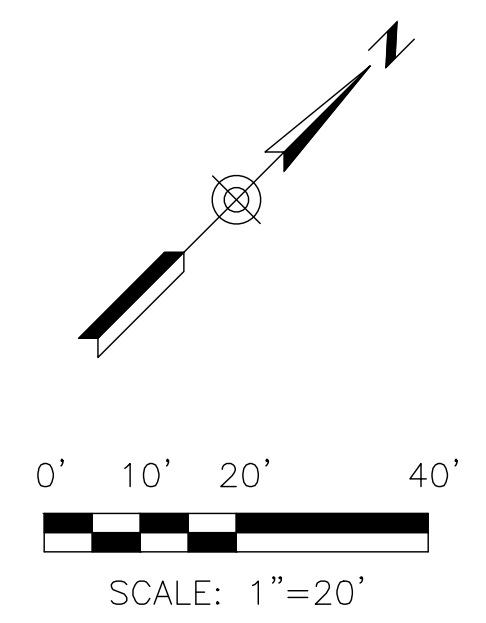
- REFERENCE NOTES**
- 1 PROTECT IN PLACE
 - 10 TREE/VEGETATION REMOVALS & SALVAGES REFER TO LANDSCAPE PLANS



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REFERENCE NOTES	
1	PROTECT IN PLACE
10	TREE/VEGETATION REMOVALS & SALVAGES REFER TO LANDSCAPE PLANS



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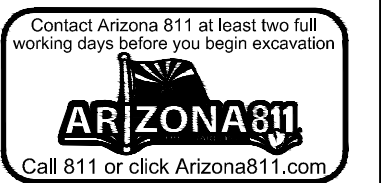
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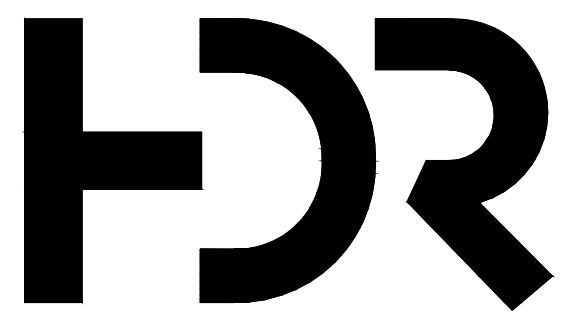
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Sheet Number: C2.4

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	04.10.2024	Schematic Design

REFERENCE NOTES

- ③ DRAINAGE IMPROVEMENTS
REFER TO GRADING & DRAINAGE PLANS
- ⑬ STORM DRAINAGE IMPROVEMENTS
REFER TO STORM DRAIN PLANS

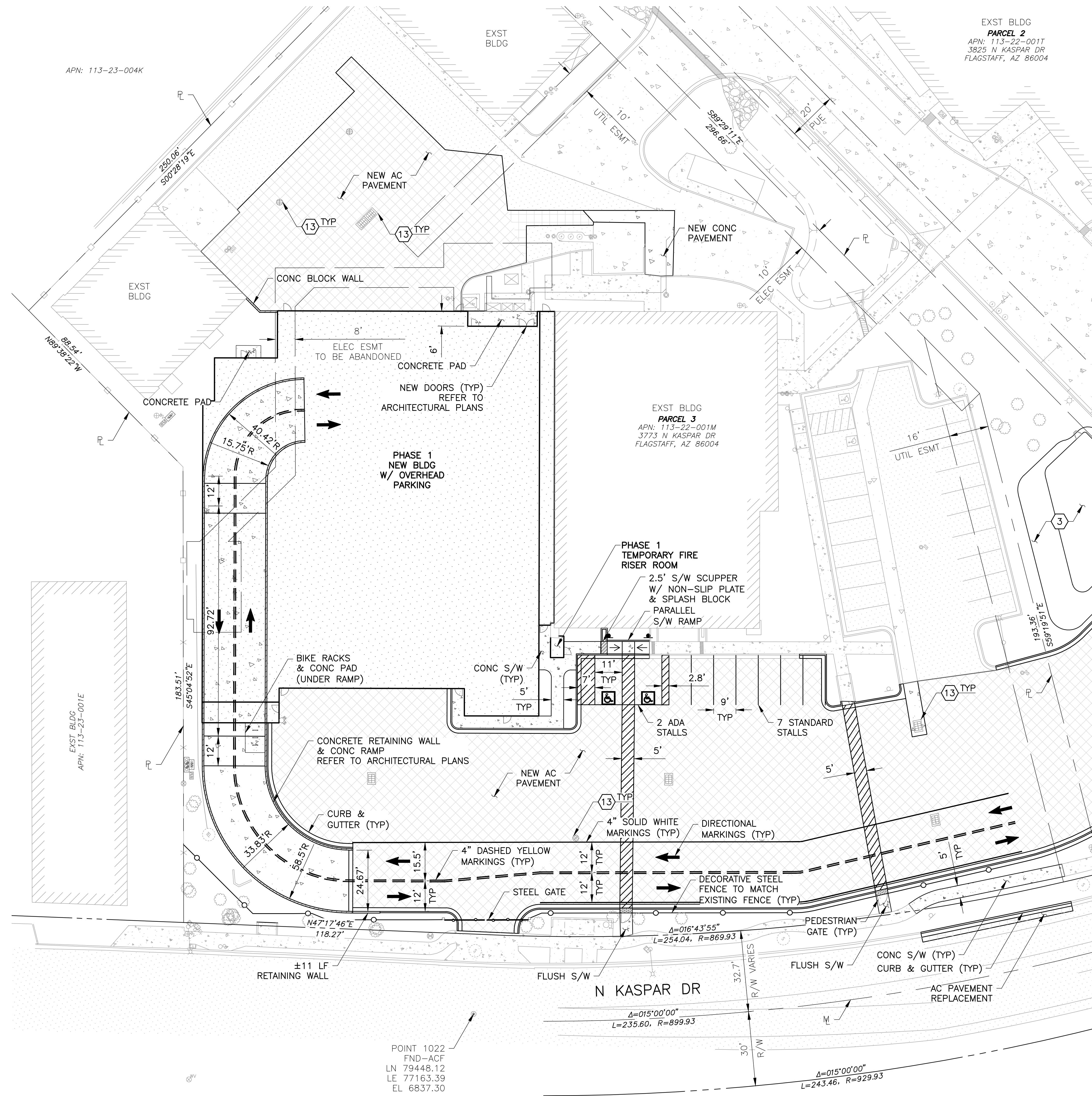
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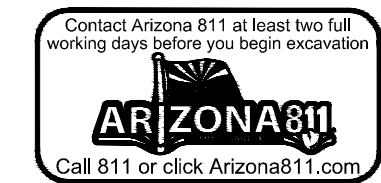
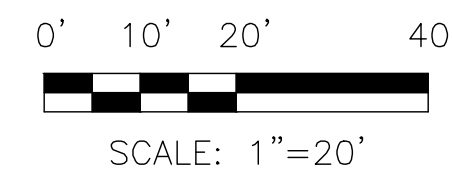
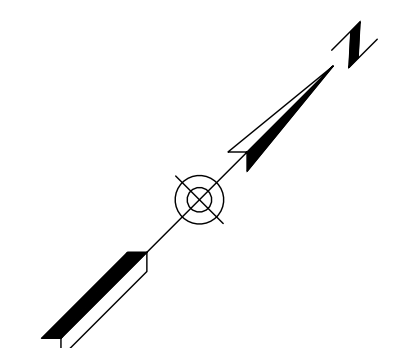
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SITE PLAN

Sheet Number
C3.3

Project Status
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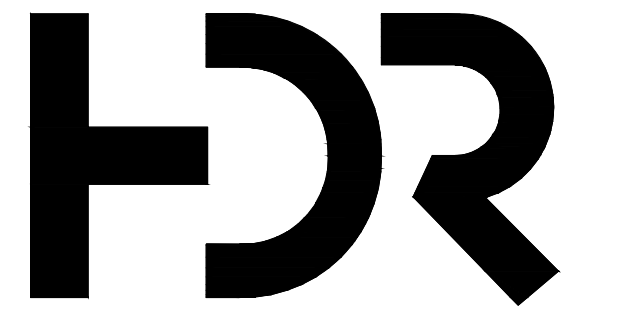


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MARK	DATE	DESCRIPTION
3	03.19.2024	Site Plan Submission
13	04.10.2024	Schematic Design

REFERENCE NOTES	
3	DRAINAGE IMPROVEMENTS REFER TO GRADING & DRAINAGE PLANS
13	STORM DRAINAGE IMPROVEMENTS REFER TO STORM DRAIN PLANS

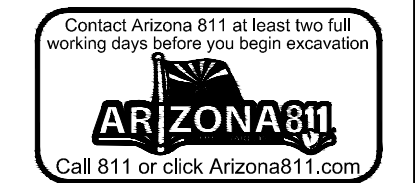
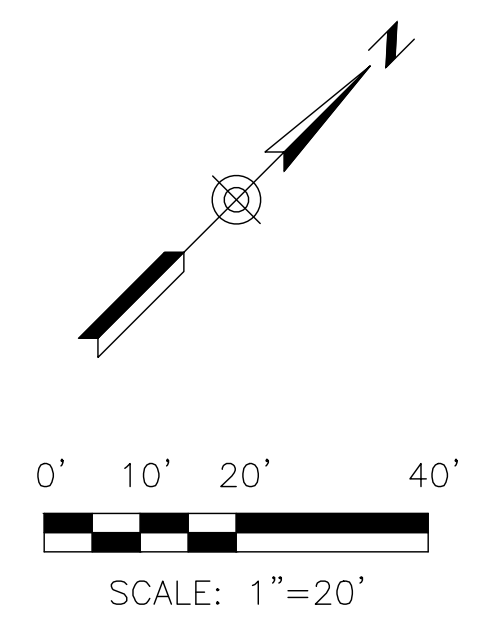
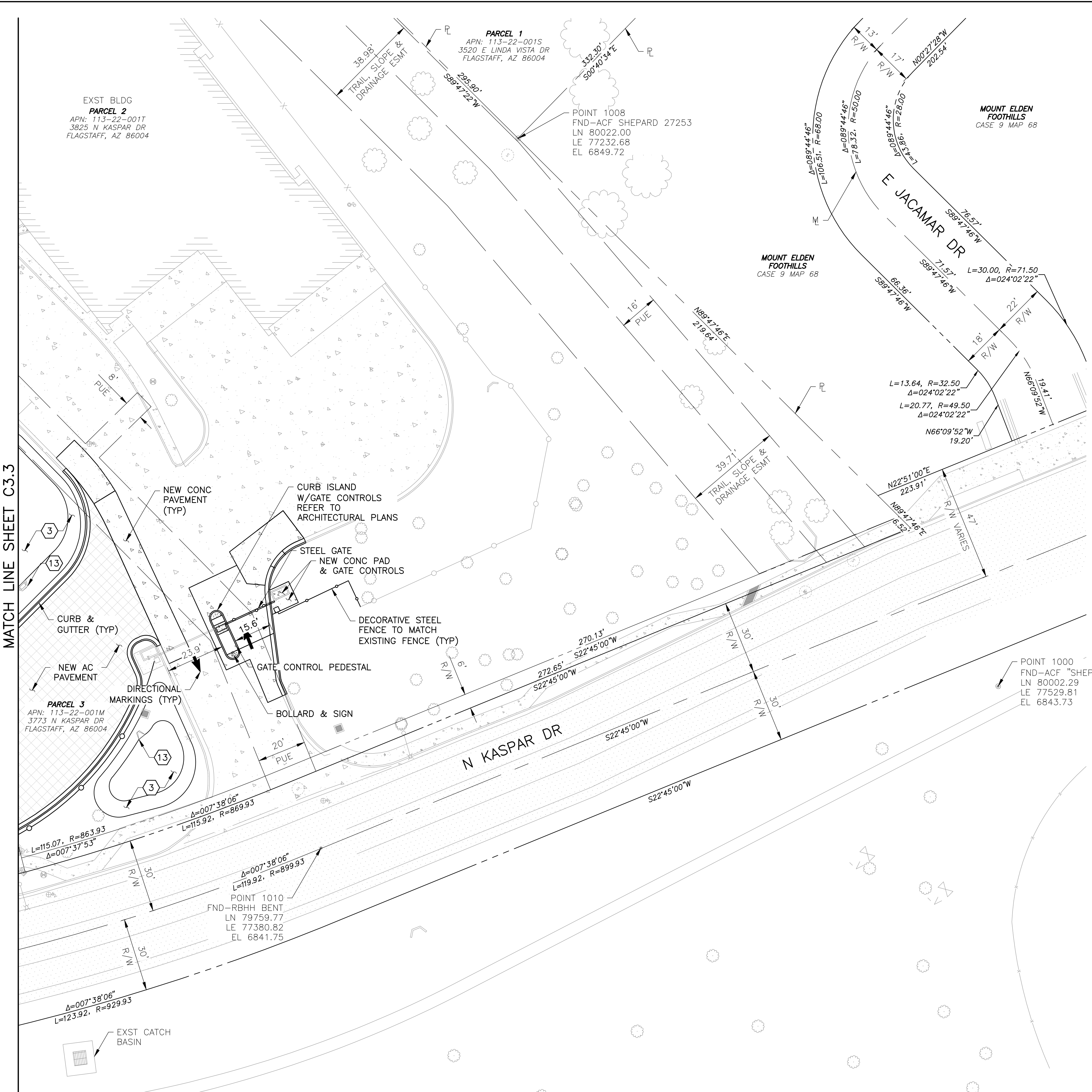
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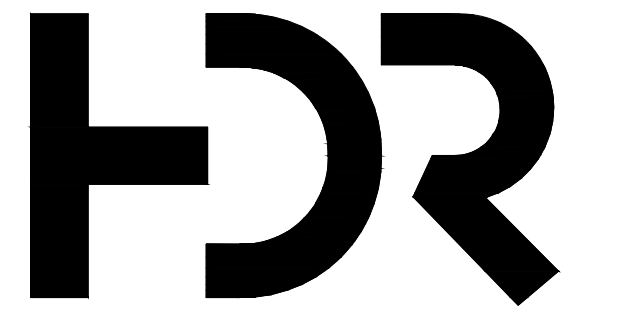
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Sheet Number: **C3.4**

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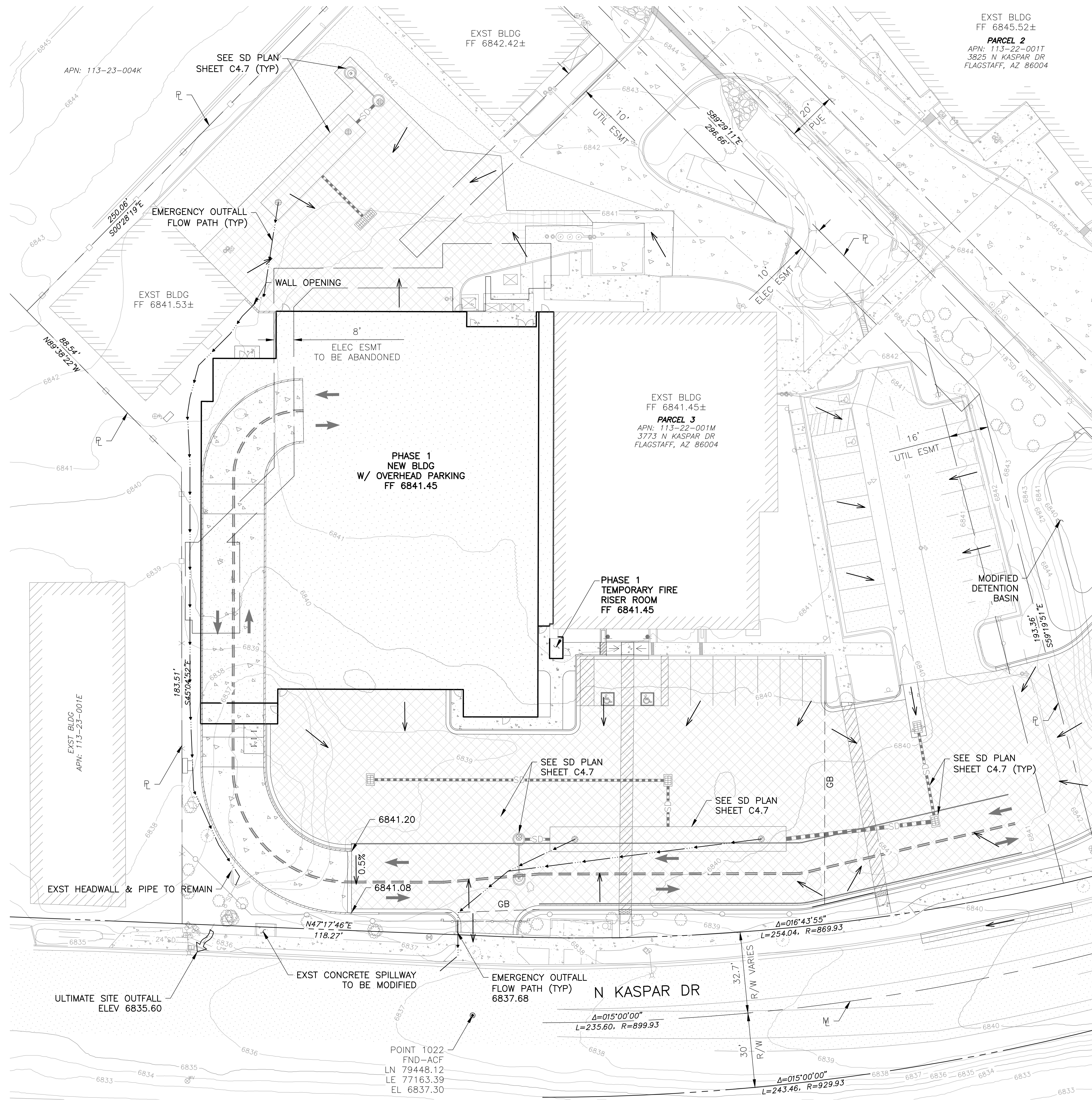
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Sheet Name
**GRADING & DRAINAGE
 PLAN**

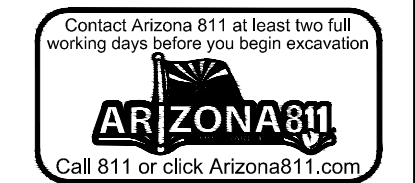
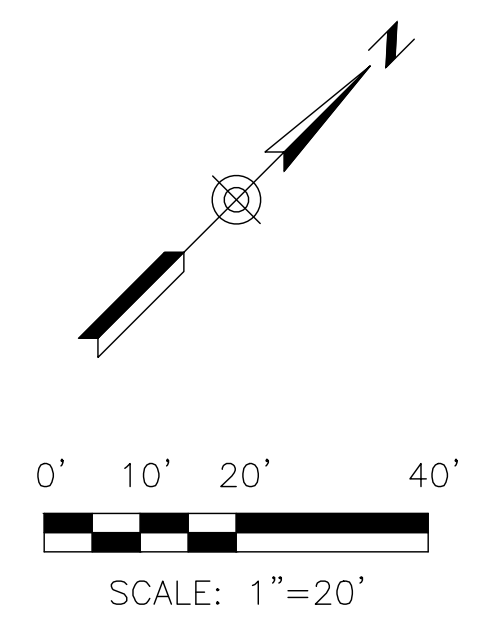
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Project Status
 SCHEMATIC DOCUMENTS - 05/05/2024



MATCH LINE SHEET C4.4

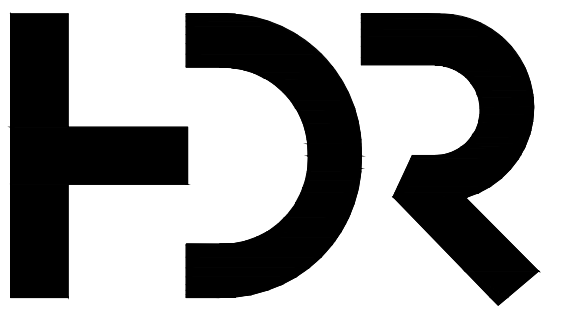
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CONSTRUCTION NOTES



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- | | |
|---------------------|------------------------|
| Project Manager | Patrick Glowacki |
| Project Designer | Katherine Dutzik Smith |
| Project Architect | Rachel McAdoo |
| Landscape Architect | Claire Eddleman-Health |
| Civil Engineer | Abhay Khaira |
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| Equipment Planner | Ken Booth |
| Wayfinding | |

Sheet Reviewer: RM

MARK	DATE	DESCRIPTION
	03.19.2024	Site Plan Submission
	04.10.2024	Schematic Design

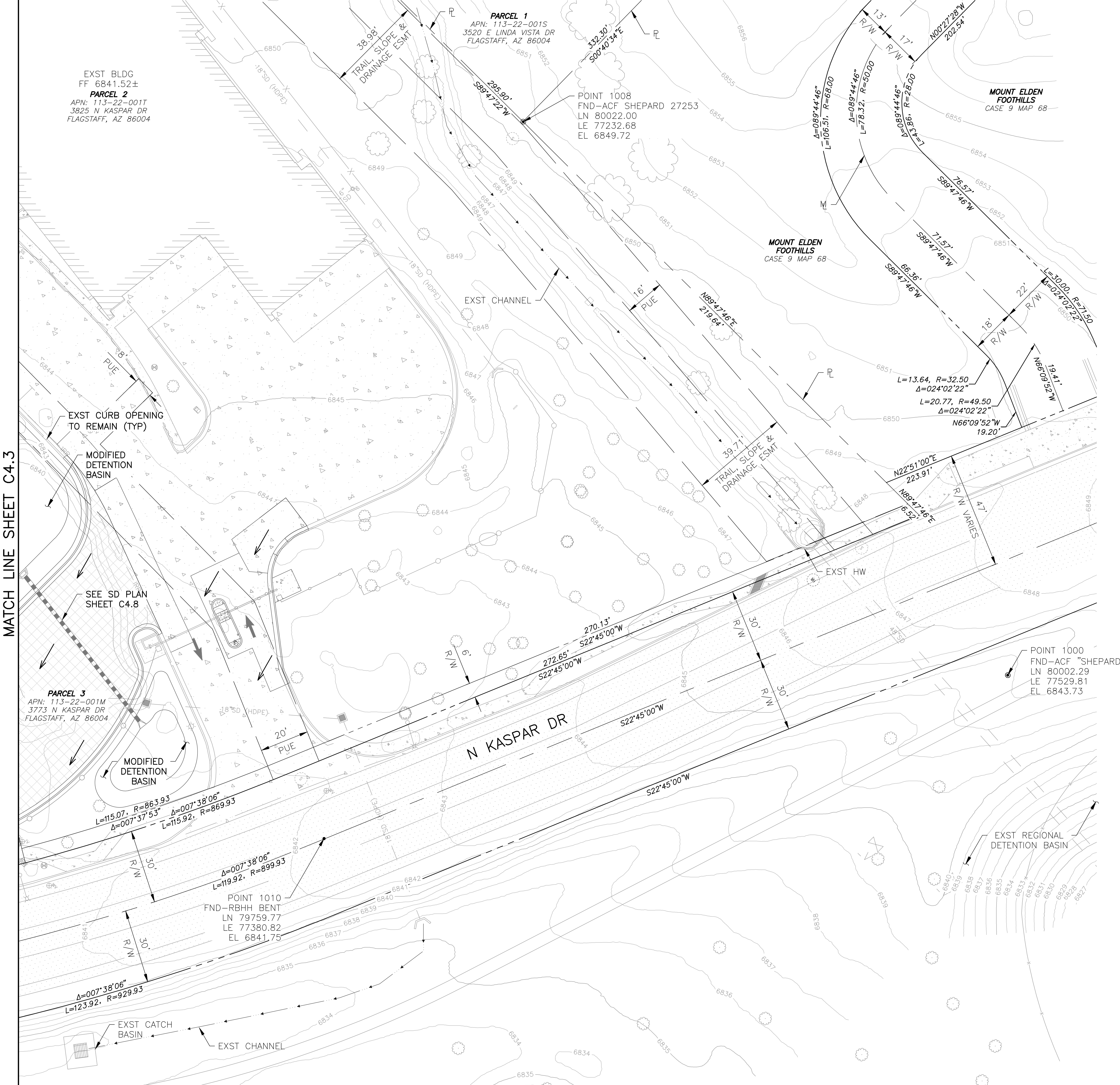
Project Number: 10380810
Original Issue: 04.10.2024

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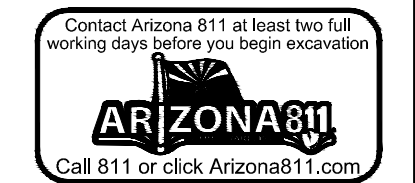
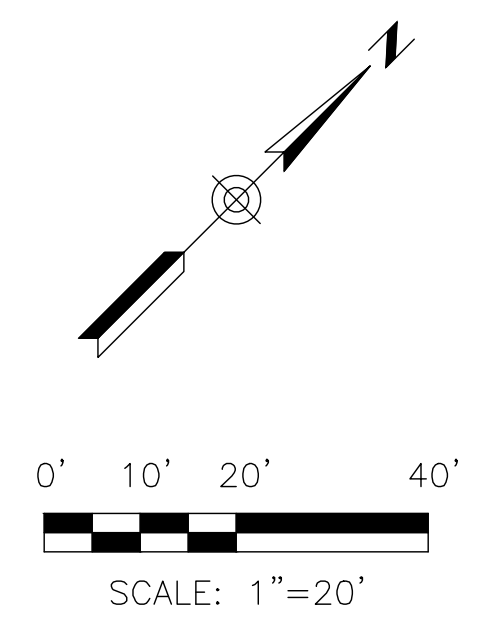
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Sheet Number: C4.4

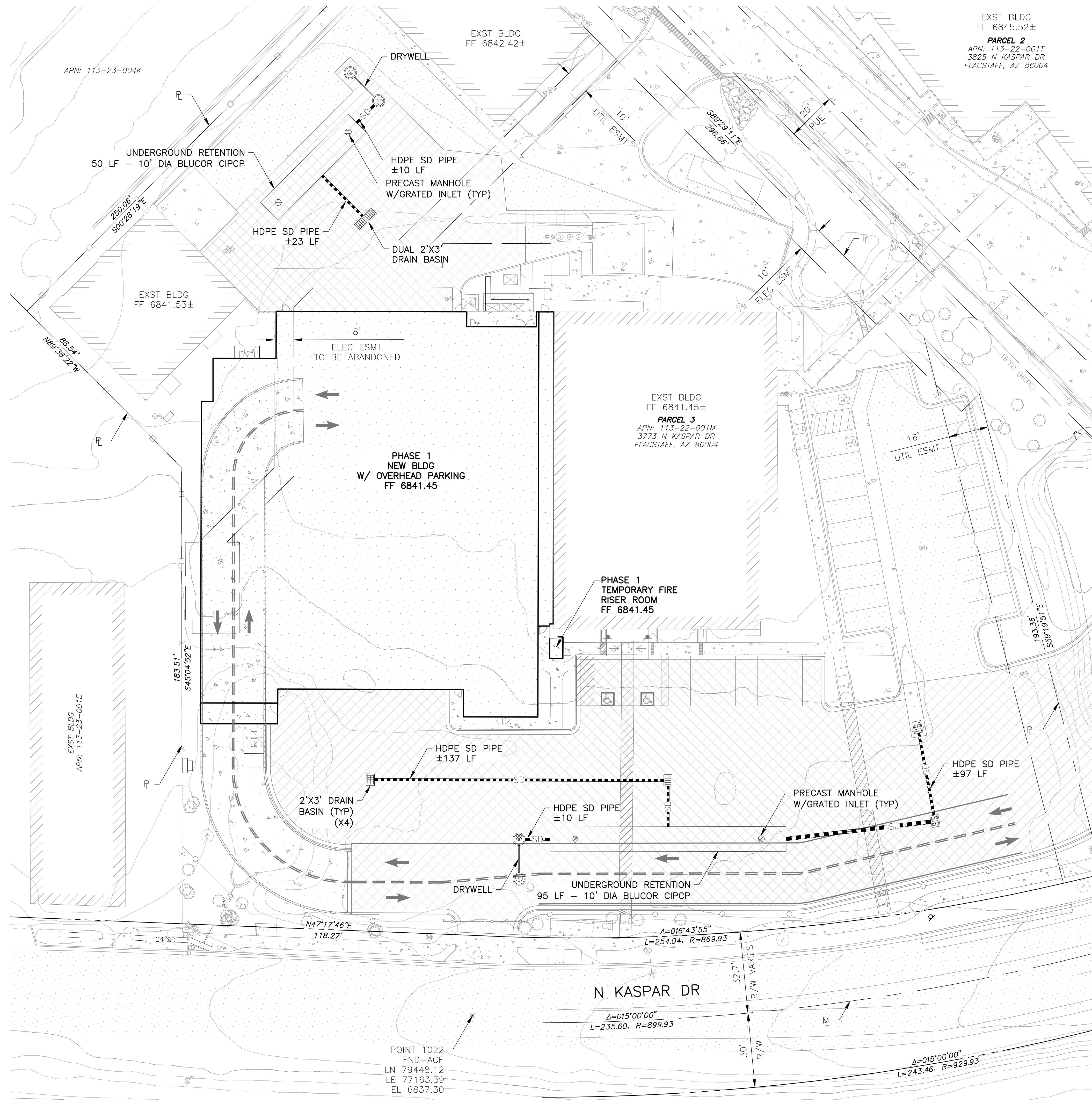
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REFERENCE NOTES



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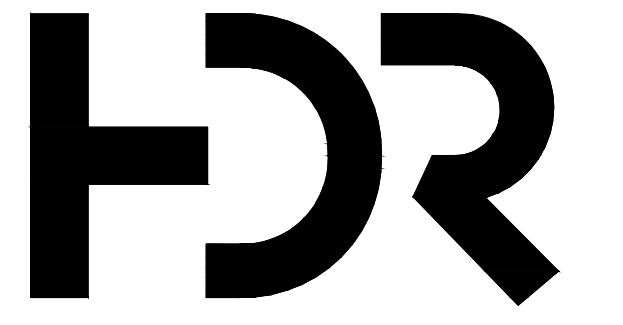
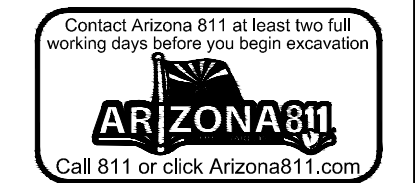
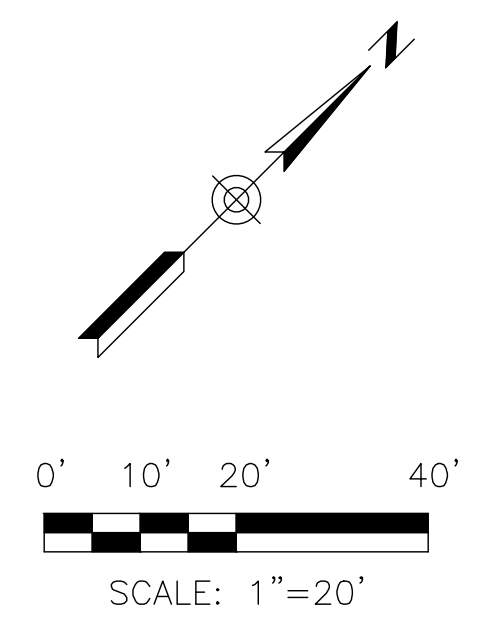


POINT 1022
FND-ACF
LN 79448.12
LE 77163.39
EL 6837.30

MATCH LINE SHEET C4.8

CONSTRUCTION NOTES

REFERENCE NOTES



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Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer: RM

MARK	DATE	DESCRIPTION
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	04.10.2024	Schematic Design

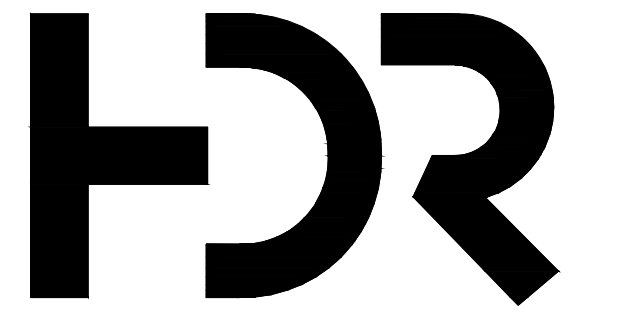
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Original Issue: 04.10.2024

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Sheet Name: **STORM DRAIN PLAN**

Sheet Number: **C4.7**

Project Status: SCHEMATIC DOCUMENTS - 05/05/2024



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MARK	DATE	DESCRIPTION
	03.19.2024	Site Plan Submission
	04.10.2024	Schematic Design

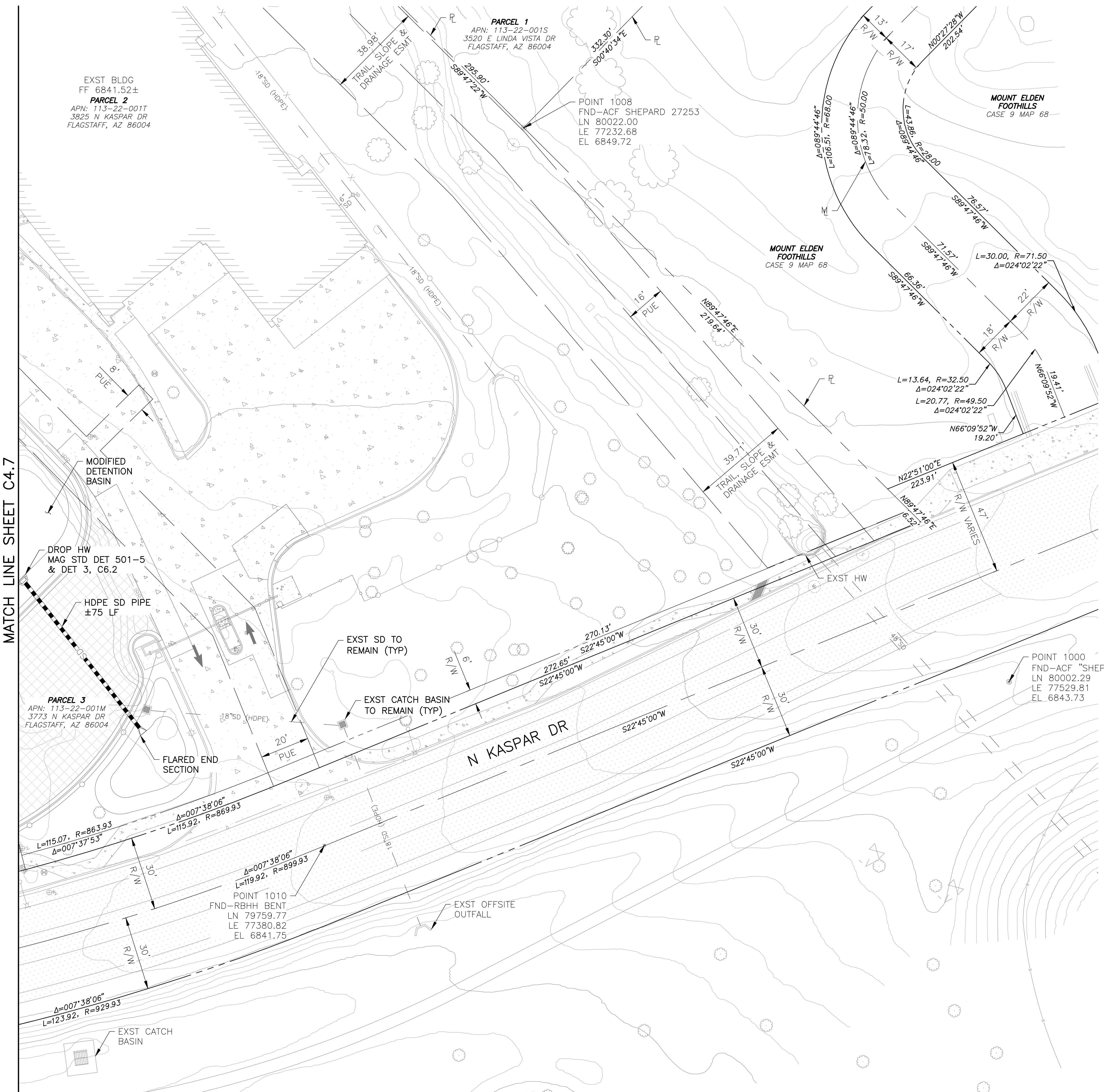
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Original Issue: 04.10.2024

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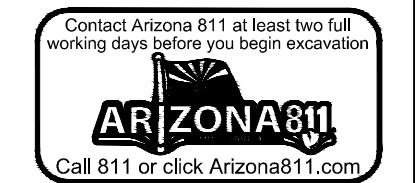
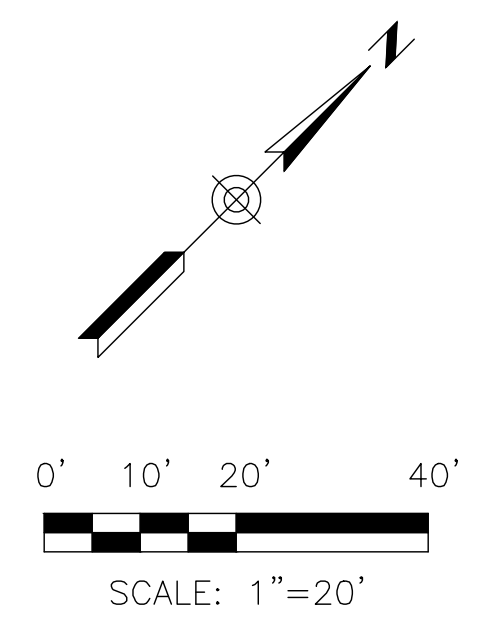
STORM DRAIN PLAN

Sheet Number: **C4.8**

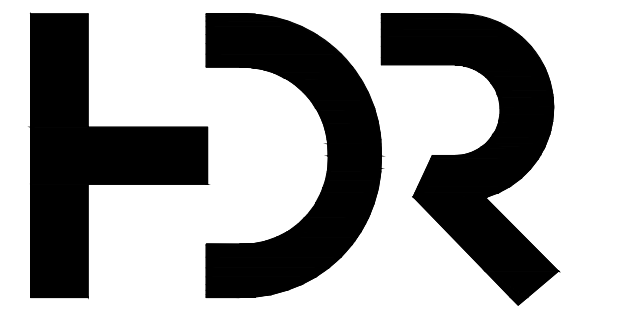
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REFERENCE NOTES



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MARK	DATE	DESCRIPTION
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	04.10.2024	Schematic Design

REFERENCE NOTES

- 7 FOR CONTINUATION REFER TO PLUMBING PLANS
- 13 STORM DRAINAGE IMPROVEMENTS REFER TO STORM DRAIN PLANS

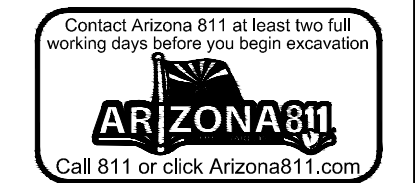
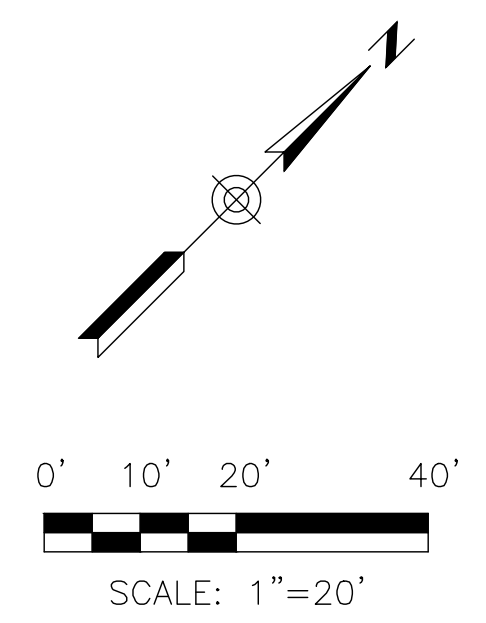
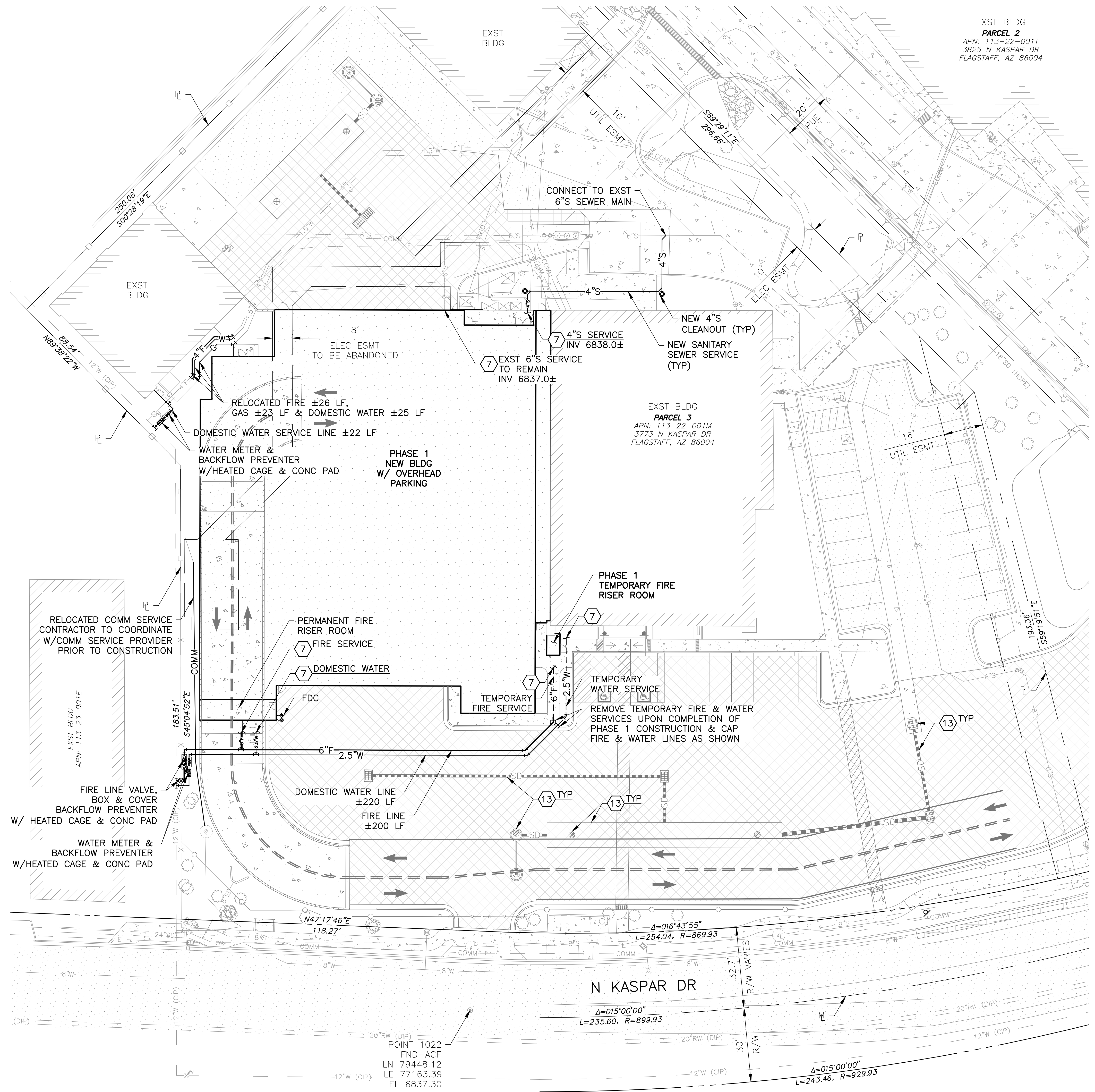
Project Number: 10380810
 Original Issue: 04.10.2024

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Sheet Name:
UTILITY PLAN

Sheet Number:
C5.3

Project Status:
 SCHEMATIC DOCUMENTS - 05/05/2024



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Table with 2 columns: Property Name and Value. Includes sections for TYPICAL NOTES, GRANTY LOADS, DESIGN CODES AND STANDARDS, MATERIAL PROPERTIES, DESIGN LOADS, LATERAL LOADS, CONCRETE SLABS ON GRADE, REINFORCED CONCRETE, REINFORCED MASONRY, STEEL JOISTS AND JOIST GIRDERS, and SHOP DRAWINGS.

Table with 2 columns: Property Name and Value. Includes sections for REINFORCED CONCRETE, REINFORCED MASONRY, STEEL JOISTS AND JOIST GIRDERS, and SHOP DRAWINGS.

Table with 2 columns: Property Name and Value. Includes sections for CONCRETE TOPPING OVER STEEL DECK, REINFORCED CONCRETE, REINFORCED MASONRY, STEEL JOISTS AND JOIST GIRDERS, and SHOP DRAWINGS.

Table with 2 columns: Property Name and Value. Includes sections for CONCRETE TOPPING OVER STEEL DECK, REINFORCED CONCRETE, REINFORCED MASONRY, STEEL JOISTS AND JOIST GIRDERS, and SHOP DRAWINGS.

Table with 2 columns: Property Name and Value. Includes sections for CONCRETE TOPPING OVER STEEL DECK, REINFORCED CONCRETE, REINFORCED MASONRY, STEEL JOISTS AND JOIST GIRDERS, and SHOP DRAWINGS.

Project information and title block including logos for HDR, MBI, and Mountain Line, project name 'GENERAL STRUCTURAL NOTES', and drawing number 'S-002'.

SCHEDULE OF STRUCTURAL INSPECTIONS:

- 1. SPECIAL INSPECTIONS / TESTING: "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS REQUIRED BY SECTION 110 OF THE IBC.
2. REPORTING FOR SPECIAL INSPECTION: SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN (3) DAYS, PROVIDE REPORTS FOR EACH DAY.
3. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
4. SER INDICATES STRUCTURAL ENGINEER OF RECORD (BUILDING).
5. SI EOR INDICATES SPECIAL INSPECTION ENGINEER OF RECORD (SPECIAL INSPECTIONS).

VERIFICATION AND INSPECTION OF SOILS table with columns: Special Inspection Responsibility, Verification and Inspection Task, Frequency of Inspection, Reference for Criteria. Includes tasks like verify materials below shallow foundations, verify excavations, etc.

VERIFICATION AND INSPECTION OF SEISMIC FORCE RESISTANCE FOR DESIGNATED SYSTEMS table with columns: Special Inspection Responsibility, Verification and Inspection Task, Frequency of Inspection, Reference for Criteria. Includes tasks like Structural Steel, Structural Wood, Cold-Formed Steel Framing, etc.

NOTES: 1. See IBC Section 1705.12 for exceptions to seismic special inspection requirements.

VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION - LEVEL 2 (NOTE 1) table with columns: Special Inspection Responsibility, Verification and Inspection Task, Frequency of Inspection, Reference for Criteria. Includes tasks like Compliance of Submittals, Masonry construction begins, etc.

NOTES: 1. Level 2 Quality Assurance applies for: a. Risk Category I, II, or III for structural masonry... b. Risk Category IV for veneer, glass block and partition walls... 2. Continuous inspection required for the first 5000 square feet of AAC masonry...

VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION table with columns: Special Inspection Responsibility, Verification and Inspection Task, Frequency of Inspection, Reference for Criteria. Includes tasks like Inspect reinforcement, Reinforcing bar welding, etc.

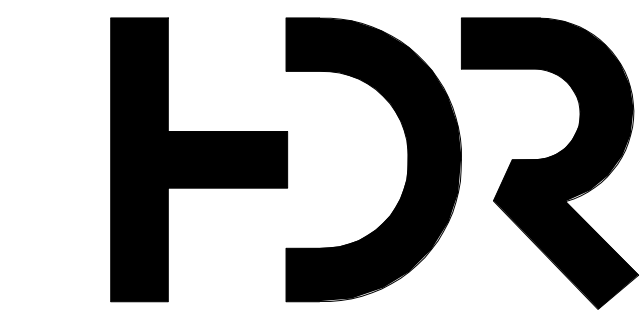
NOTES: 1. Schedule is provided from Chapter N Quality Control and Quality Assurance. 2. Fabricator and erector shall follow the Quality Control Program (QC) for requirements for inspection procedures. 3. Only the Quality Assurance (QA) inspection task are provided for project site compliance.

VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION (ANSI/AISC 360) table with columns: Special Inspection Responsibility, Verification and Inspection Task, Frequency of Inspection, Reference for Criteria. Includes tasks like Welding, Bolting, etc.

NOTES: 1. Schedule is provided from Chapter N Quality Control and Quality Assurance. 2. Fabricator and erector shall follow the Quality Control Program (QC) for requirements for inspection procedures. 3. Only the Quality Assurance (QA) inspection task are provided for project site compliance.

VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION (OTHER THAN STRUCTURAL STEEL) table with columns: Special Inspection Responsibility, Verification and Inspection Task, Frequency of Inspection, Reference for Criteria. Includes tasks like Material Verification, Inspection of Welding, etc.

NOTES: 1. Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.



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MOUNTAIN LINE

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Project Manager, Project Architect, Landscape Architect, Civil Engineer, Structural Engineer, Mechanical Engineer, Electrical Engineer, Plumbing Engineer, Interior Designer, Equipment Planner, Wayfinding. Lists names like Patrick Glowacki, Katherine Dudzik Smith, Rachel McAdoo, etc.

Sheet Reviewer: JRT. MARK, DATE, DESCRIPTION table with row: 04.15.2024, SD DRAWINGS

Project Number: P23.181.0 Original Issue: 04.15.2024

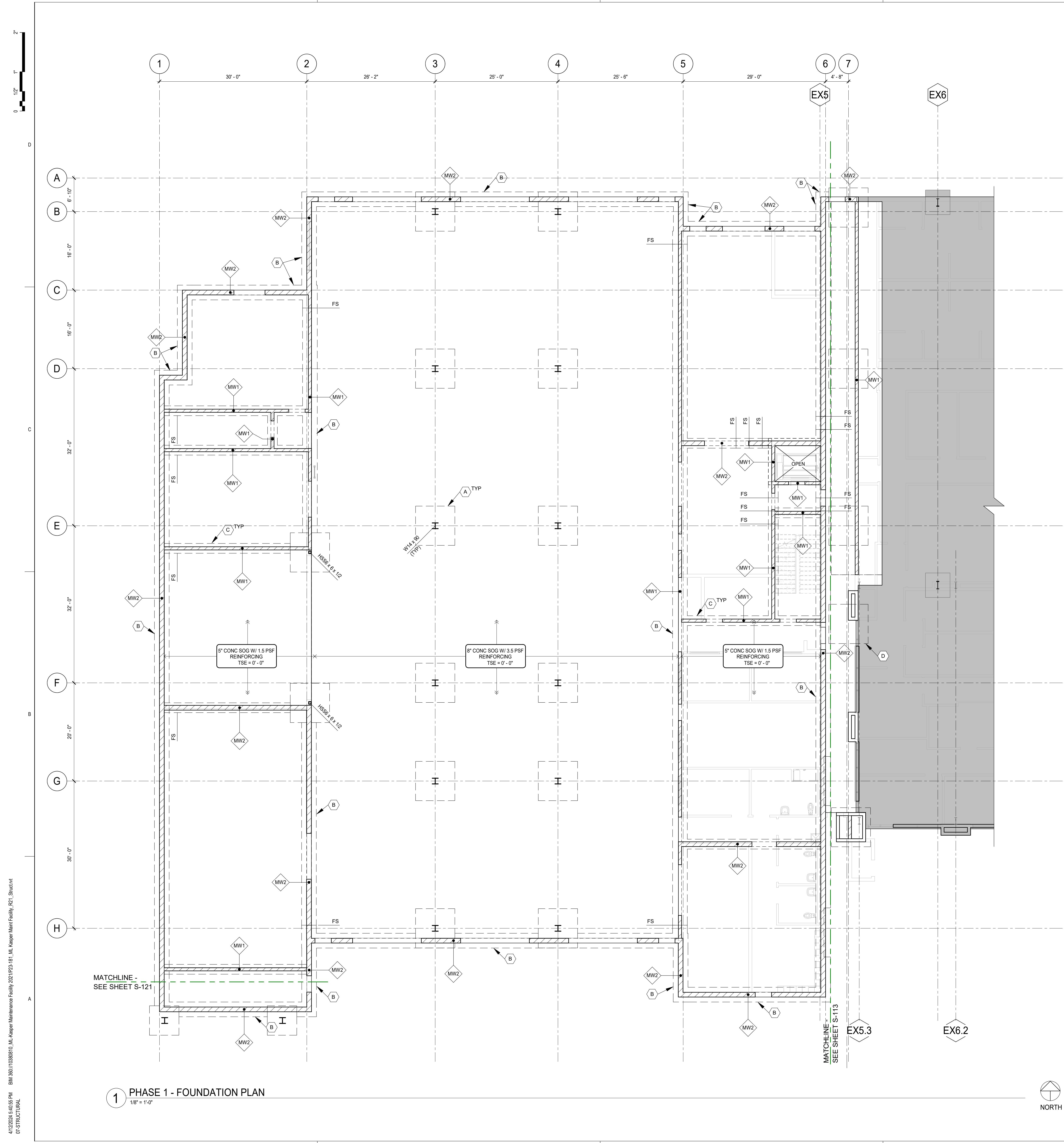


Sheet Name: SPECIAL INSPECTIONS

Sheet Number: S-003

Project Status: SD Drawings

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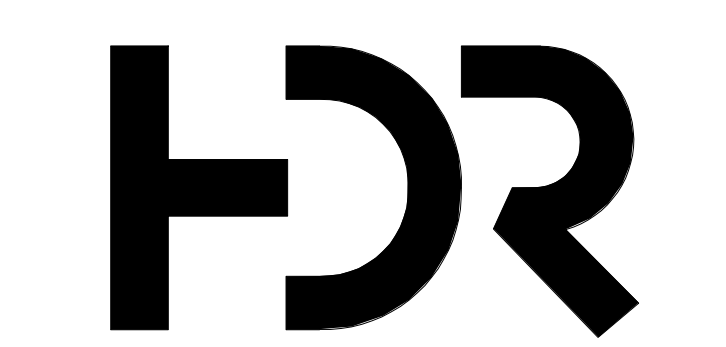


- REFERENCE NOTES:**
- SEE SHEET S-001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
 - SEE SHEET S-002 FOR GENERAL STRUCTURAL NOTES.
 - SEE SHEET S-003 FOR STRUCTURAL INSPECTION SCHEDULES.
 - SEE SHEET S-004 FOR FOUNDATION SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-005 FOR CONCRETE COLUMN SCHEDULE AND TYPICAL DETAILS.
 - SEE SHEET S-006 FOR MASONRY SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-007 FOR STEEL SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-008 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
 - SEE SHEET S-700 SERIES FOR FRAMING DETAILS.

- PLAN NOTES (UNLESS NOTED OTHERWISE):**
- PROJECT DATUM ELEVATION 0'-0" = 6841.45'. SEE CIVIL AND ARCHITECTURAL DRAWINGS.
 - TOP OF FOOTING ELEVATION SHALL BE PLACED BELOW THE ADJACENT FINISHED GRADE AS NOTED THUS: +1'-4" AT INTERIOR FOOTINGS, -2'-0" AT EXTERIOR PERIMETER FOOTINGS.
 - ALL FOOTINGS ARE CENTERED UNDER WALLS AND COLUMNS.
 - SEE TYPICAL FOUNDATION DETAILS FOR UTILITY PENETRATIONS THROUGH FOUNDATIONS. SEE PLAN FOR APPROXIMATE LOCATIONS. VERIFY LOCATIONS AND ELEVATIONS WITH MECHANICAL DRAWINGS.
 - PROVIDE THICKENED SLAB-ON-GRADE UNDER NON-LOAD-BEARING MASONRY WALLS AND STAIR STRINGER BASES AS SHOWN IN THE TYPICAL DETAILS. SEE ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS OF THESE ELEMENTS.
 - FOR SLAB JOINT LAYOUTS, SEE PLANS AND GENERAL STRUCTURAL NOTES FOR CRITERIA. FOR TYPICAL CONTROL AND CONSTRUCTION JOINTS SEE TYPICAL SLAB JOINTING DETAILS.
 - SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION, INCLUDING LOCATIONS AND DIMENSIONS OF RAMP, SLAB SLOPES, SLAB STEPS AND SLAB DEPRESSIONS.
 - VERIFY SIZE, LOCATION AND INVERT ELEVATIONS FOR ALL UTILITIES, SITE STRUCTURES, SUMPS AND DRAINS WITH CIVIL, MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS.
 - SEE CIVIL / LANDSCAPE DRAWINGS FOR PAVING AND SITE DETAILS AT THE BUILDING EXTERIOR.

- SCHEMATIC DESIGN SCHEMATIC DESIGN KEYNOTES:**
- (A) 8'-0" x 8'-0" x 1'-0" CONCRETE FOOTING W/ 3 PSF REINFORCING, TYP.
- (B) 3'-0" WIDE x 1'-0" DEEP CONCRETE WALL FOOTING W/ 5 PSF REINFORCING.
- (C) 2'-0" WIDE x 1'-0" DEEP CONCRETE WALL FOOTING W/ 4 PSF REINFORCING.

MARK	WALL TYPE	CENTERED IN WALL	INSIDE FACE	OUTSIDE FACE	COMMENTS
		VERT	VERT	VERT	
MW1	8" MASONRY				
MW2	12" MASONRY				



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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

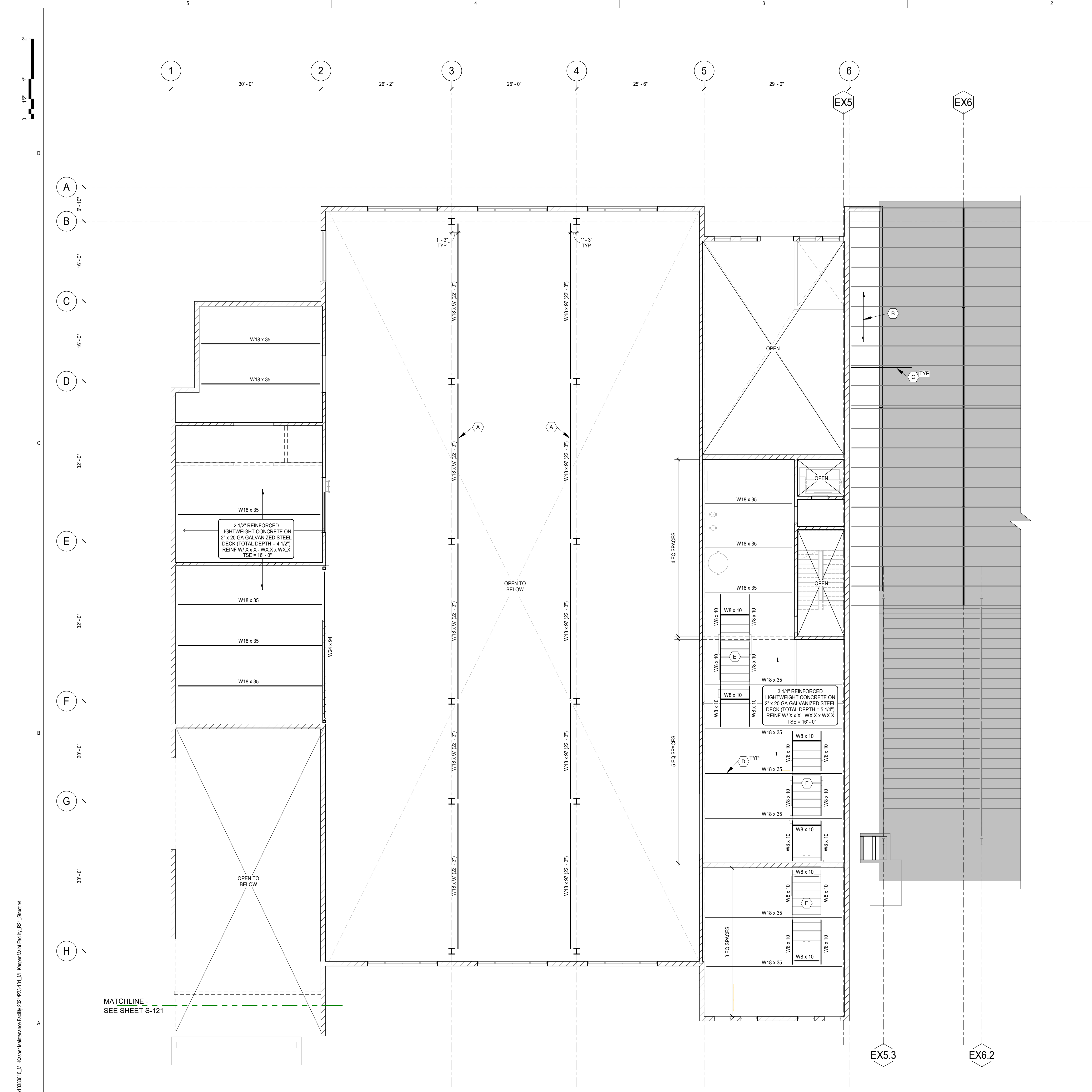
Project Number: P23.181.0
Original Issue: 04.15.2024



Sheet Name
PHASE 01 - MAINTENANCE FACILITY- FOUNDATION PLAN

Sheet Number
S-110

Project Status
SD Drawings

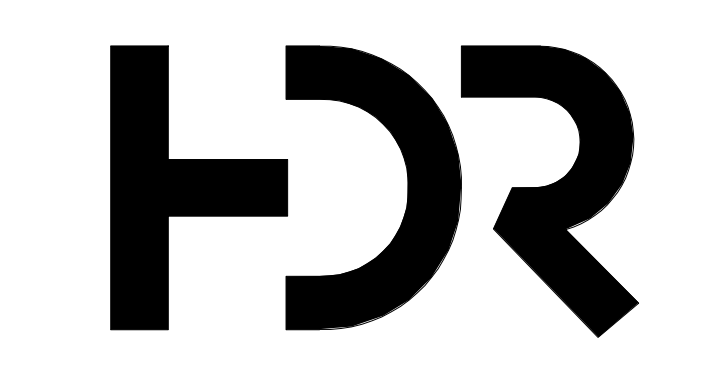


1 PHASE 1 - LEVEL 02 (MEZZANINE) FRAMING PLAN
1/8" = 1'-0"

- REFERENCE NOTES:**
- SEE SHEET S-001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
 - SEE SHEET S-002 FOR GENERAL STRUCTURAL NOTES.
 - SEE SHEET S-003 FOR STRUCTURAL INSPECTION SCHEDULES.
 - SEE SHEET S-401 FOR FOUNDATION SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-402 FOR CONCRETE COLUMN SCHEDULE AND TYPICAL DETAILS.
 - SEE SHEET S-405 FOR MASONRY SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-411 FOR STEEL SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
 - SEE SHEET S-700 SERIES FOR FRAMING DETAILS.

- PLAN NOTES (UNLESS NOTED OTHERWISE):**
- TOP OF SLAB ELEVATION (TSE) = "...". REFER TO ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATION.
 - TOP OF DECK ELEVATION (TDE) = "...". UNLESS NOTED OTHERWISE ON PLAN AS (XX-XX"). This note is only needed where metal roof deck is used.
 - TOP OF BEAM ELEVATION (TBE) = "...". UNLESS NOTED OTHERWISE ON PLAN AS (XX-XX").
 - HEADED STUDS SHOWN FOR BEAMS AND GIRDERS ARE 3/4" DIA x "...". LONG. TYPICAL. SEE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS FOR PLACEMENT REQUIREMENTS.
 - SEE THE GENERAL STRUCTURAL NOTES AND SPECIFICATION FOR STEEL BEAM CONNECTION REQUIREMENTS. SEE THE TYPICAL CONNECTION SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
 - SEE PLAN AND SCHEDULES FOR COLUMN, WALL AND PIER INFORMATION.
 - VERIFY SIZE, LOCATION AND NUMBER OF ALL OPENINGS THROUGH FLOOR - OR - ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. SEE TYPICAL DETAILS FOR REQUIRED FRAMING AT OPENINGS.
 - EMBEDDED ITEMS SHALL NOT INTERFERE WITH SPECIFIED REINFORCING.

- SCHEMATIC DESIGN KEYNOTES:**
- (A) BRIDGE CRANE RUNWAY BEAM WITH REDUCED ERECTION AND FABRICATION TOLERANCES.
 - (B) 1 1/2" x 18 GA METAL ROOF DECK AS NECESSARY.
 - (C) COLD-FORMED STEEL JOISTS SCREWED INTO EXISTING PURLINS.
 - (D) 3/4" DIA x 3 1/2" LONG HEADED STUDS AT 12" O.C. OCCUR AT BEAMS.
 - (E) MECHANICAL EQUIPMENT. FOR EXACT SIZE AND LOCATION SEE MECHANICAL DRAWINGS. STRUCTURAL DESIGN WEIGHT - 5000 LBS.
 - (F) FUTURE MECHANICAL EQUIPMENT. FOR EXACT SIZE AND LOCATION SEE MECHANICAL DRAWINGS. STRUCTURAL DESIGN WEIGHT - 5000 LBS.



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Sheet Reviewer	JRT	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

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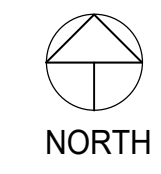
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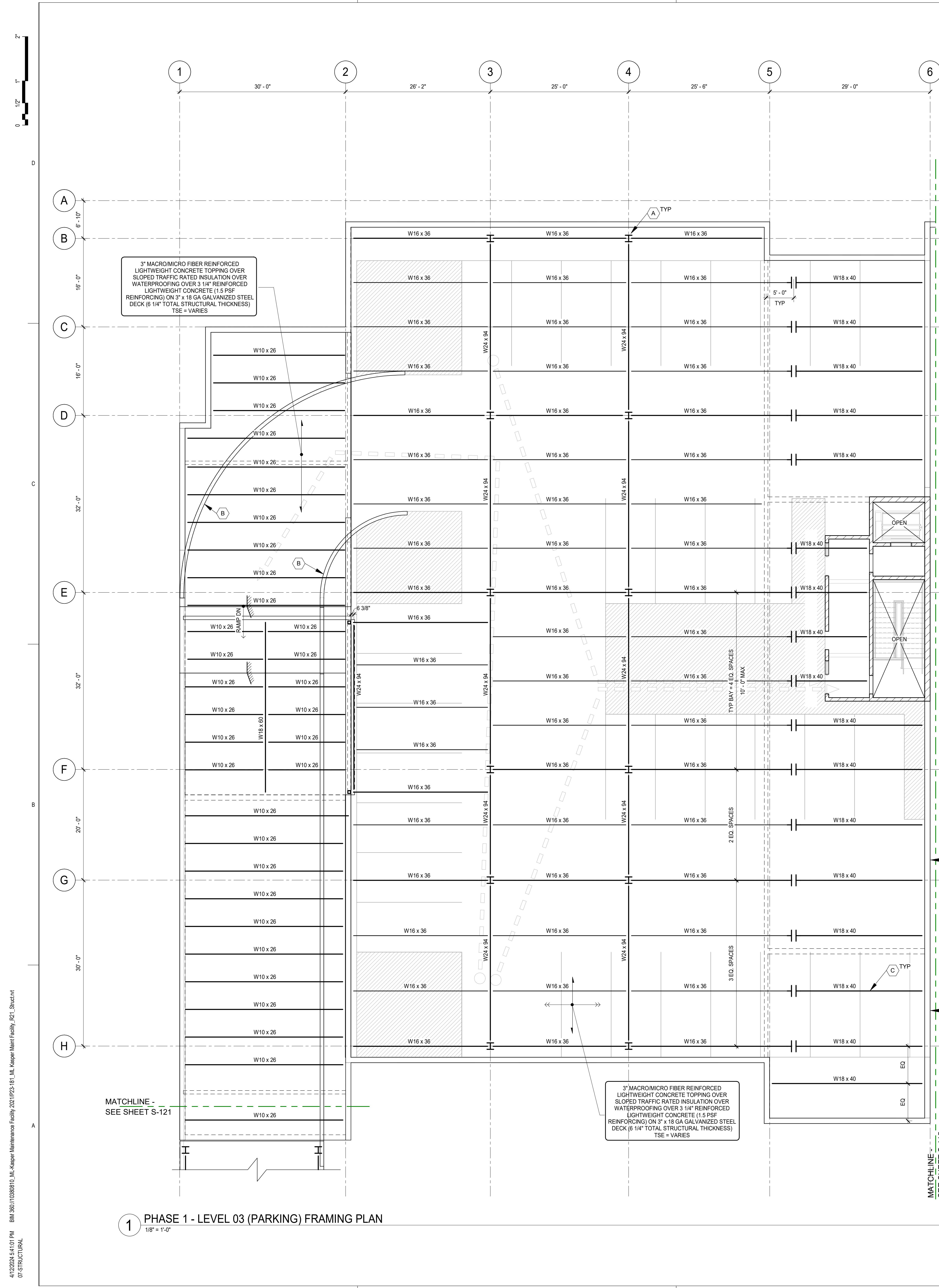
Sheet Name
PHASE 01 - MAINTENANCE FACILITY - LEVEL 02 (MEZZANINE) FRAMING PLAN

Sheet Number
S-111

Project Status
SD Drawings

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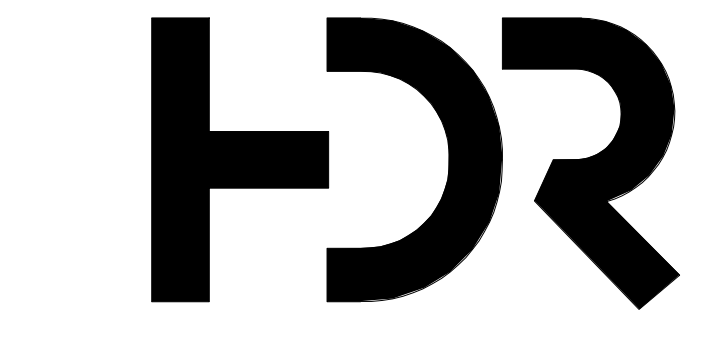
1 PHASE 1 - LEVEL 03 (PARKING) FRAMING PLAN
1/8" = 1'-0"

2 PHASE 1 - PENTHOUSE ROOF FRAMING PLAN
1/8" = 1'-0"

- REFERENCE NOTES:**
- SEE SHEET S-001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
 - SEE SHEET S-002 FOR GENERAL STRUCTURAL NOTES.
 - SEE SHEET S-003 FOR STRUCTURAL INSPECTION SCHEDULES.
 - SEE SHEET S-401 FOR FOUNDATION SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-402 FOR CONCRETE COLUMN SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-405 FOR MASONRY SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-411 FOR STEEL SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S-500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
 - SEE SHEET S-700 SERIES FOR FRAMING DETAILS.

- PLAN NOTES (UNLESS NOTED OTHERWISE):**
- TOP OF SLAB ELEVATION (TSE) = ___'. REFER TO ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR ELEVATION.
 - TOP OF DECK ELEVATION (TDE) = ___'. UNLESS NOTED OTHERWISE ON PLAN AS (XX'-XX"). This note is only needed where metal roof deck is used.
 - TOP OF BEAM ELEVATION (TBE) = ___'. UNLESS NOTED OTHERWISE ON PLAN AS (XX'-XX").
 - JOIST BEARING ELEVATION (JBE) = ___'. UNLESS NOTED OTHERWISE ON PLAN AS (XX'-XX") - OR - JOIST BEARING ELEVATION (JBE) = ___'. UNLESS NOTED OTHERWISE ON PLAN AS (XX) OR (XX) FROM JBE REFERENCE ELEVATION.
 - HEADED STUDS SHOWN FOR BEAMS AND GIRDERS ARE 3/4" DIA x ___' LONG. TYPICAL. SEE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS FOR PLACEMENT REQUIREMENTS.
 - SEE THE GENERAL STRUCTURAL NOTES AND SPECIFICATION FOR STEEL BEAM CONNECTION REQUIREMENTS. SEE THE TYPICAL CONNECTION SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
 - SEE PLAN AND SCHEDULES FOR COLUMN, WALL AND PIER INFORMATION.
 - VERIFY SIZE, LOCATION AND NUMBER OF ALL OPENINGS THROUGH FLOOR OR ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. SEE TYPICAL DETAILS FOR REQUIRED FRAMING AT OPENINGS.
 - EMBEDDED ITEMS SHALL NOT INTERFERE WITH SPECIFIED REINFORCING.
 - SEE ___S___ AND ___S___ FOR MECHANICAL UNIT SUPPORT AND JOIST STRENGTHENING DETAILS.
 - VERIFY LOCATION, QUANTITY, SIZE AND OPERATING WEIGHT WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

- SCHEMATIC DESIGN KEYNOTES:**
- A** COLUMN EXTENDS 3'-6" ABOVE CONCRETE SLAB - TYPE AT EXTERIOR AND COLUMNS NOT WITHIN DRIVE AISLES.
 - B** 8" CONCRETE BARRIER WALL WITH 2 PSF REINFORCING.
 - C** 3/4" DIA x 4 1/2" LONG HEADED STUDS AT 12" O.C. OCCUR AT BEAMS.
 - D** KNOCKOUT PANEL IN MASONRY WALL AT PHASE 2 DUCT OPENING.



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MOUNTAIN LINE

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Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbin Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Sheet Reviewer JRT

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

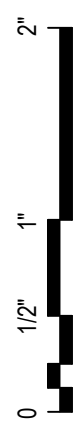
Project Number P23.181.0
Original Issue 04.15.2024



Sheet Name
PHASE 01 - MAINTENANCE FACILITY - LEVEL 03 (PARKING) FRAMING PLAN

Sheet Number
S-112

Project Status
SD Drawings



REFERENCE NOTES:

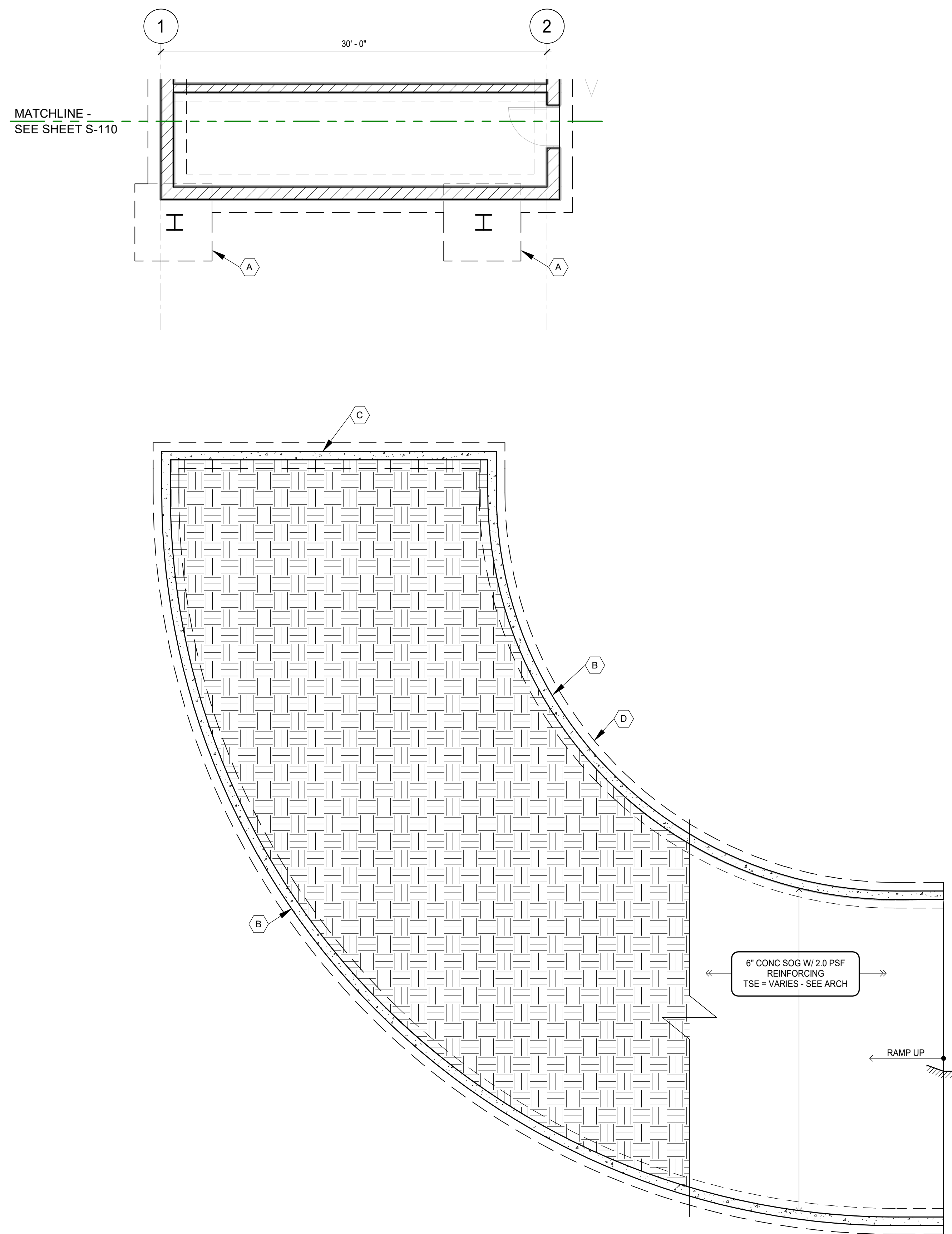
- SEE SHEET S-001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
- SEE SHEET S-002 FOR GENERAL STRUCTURAL NOTES.
- SEE SHEET S-003 FOR STRUCTURAL INSPECTION SCHEDULES.
- SEE SHEET S-401 FOR FOUNDATION SCHEDULES AND TYPICAL DETAILS.
- SEE SHEET S-402 FOR CONCRETE COLUMN SCHEDULE AND TYPICAL DETAILS.
- SEE SHEET S-405 FOR MASONRY SCHEDULES AND TYPICAL DETAILS.
- SEE SHEET S-411 FOR STEEL SCHEDULES AND TYPICAL DETAILS.
- SEE SHEET S-600 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
- SEE SHEET S-700 SERIES FOR FRAMING DETAILS.

PLAN NOTES (UNLESS NOTED OTHERWISE):

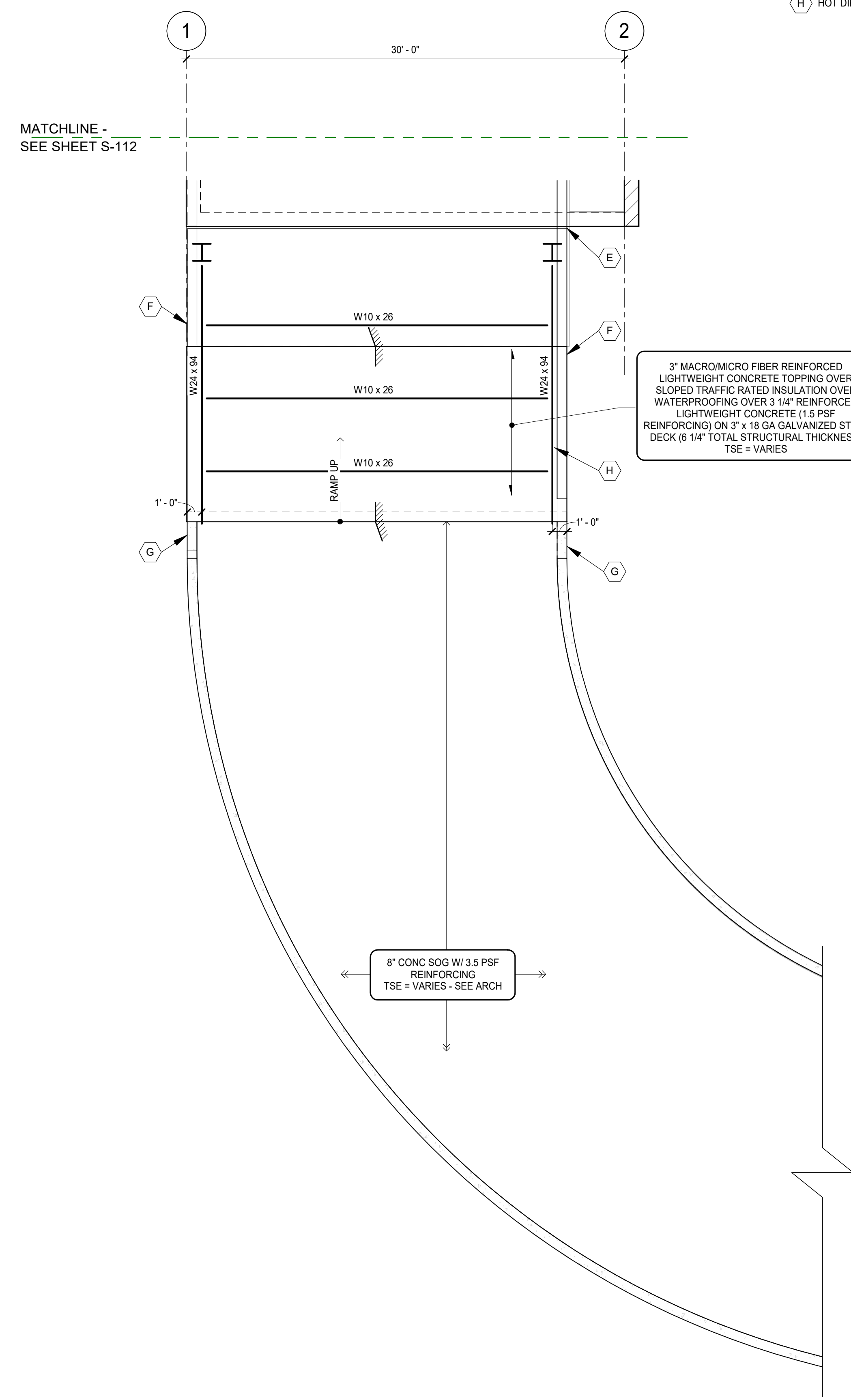
- PROJECT DATUM ELEVATION: " " = " ". SEE CIVIL AND ARCHITECTURAL DRAWINGS.
- TOP OF FOOTING ELEVATION (TFE) = " " UNLESS NOTED OTHERWISE ON PLAN AS (XX'-XX") OR - SHALL BE PLACED BELOW THE ADJACENT FINISHED GRADE AS NOTED THIS - AT INTERIOR FOOTINGS, - AT EXTERIOR PERIMETER FOOTINGS, AND - AT UNHEATED PERIMETER OR EXTERIOR ISOLATED FOOTINGS.
- ALL FOOTINGS ARE CENTERED UNDER WALLS AND COLUMNS.
- SEE TYPICAL FOUNDATION DETAILS FOR UTILITY PENETRATIONS THROUGH FOUNDATIONS. SEE PLAN FOR APPROXIMATE LOCATIONS. VERIFY LOCATIONS AND ELEVATIONS WITH MECHANICAL DRAWINGS.
- FOR SLAB JOINT LAYOUTS: SEE PLANS AND GENERAL STRUCTURAL NOTES FOR CRITERIA. FOR TYPICAL CONTROL AND CONSTRUCTION JOINTS SEE TYPICAL SLAB JOINTING DETAILS.
- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION, INCLUDING LOCATIONS AND DIMENSIONS OF RAMPS, SLAB SLOPES, SLAB STEPS AND SLAB DEPRESSIONS.
- VERIFY SIZE, LOCATION AND INVERT ELEVATIONS FOR ALL UTILITIES, SITE STRUCTURES, SUMPS AND DRAINS WITH CIVIL, MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS.
- SEE CIVIL / LANDSCAPE DRAWINGS FOR PAVING AND SITE DETAILS AT THE BUILDING EXTERIOR.

SCHEMATIC DESIGN KEYNOTES:

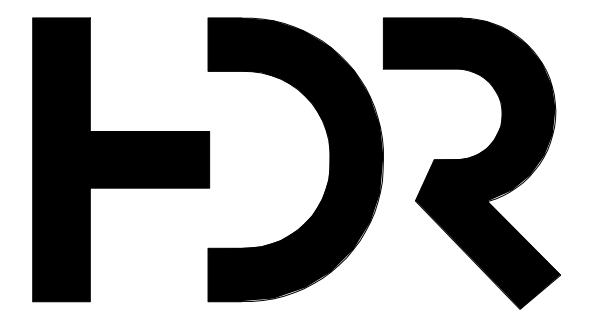
- (A) 6'-0" SQUARE x 2'-0" CONCRETE FOOTING WITH 3 PSF REINFORCING.
- (B) 8" CONCRETE RETAINING WALL WITH 5 PSF REINFORCING.
- (C) 12" CONCRETE RETAINING WALL WITH 8 PSF REINFORCING.
- (D) 4'-0" WIDE x 1'-4" CONCRETE FOOTING WITH 3 PSF REINFORCING.
- (E) 2" EXPANSION JOINT.
- (F) 8" CONCRETE BARRIER WALL WITH 2 PSF REINFORCING.
- (G) 8" CONCRETE BARRIER WALL WITH 2 PSF REINFORCING.
- (H) HOT DIP GALVANIZE EXTERIOR STEEL AT RAMP.



1 PHASE 1 - RAMP FOUNDATION PLAN
3/16" = 1'-0"



2 PHASE 1 - RAMP FRAMING PLAN
3/16" = 1'-0"



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Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer	Author
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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	P23.181.0
Original Issue	04.15.2024

PRELIMINARY
NOT FOR CONSTRUCTION

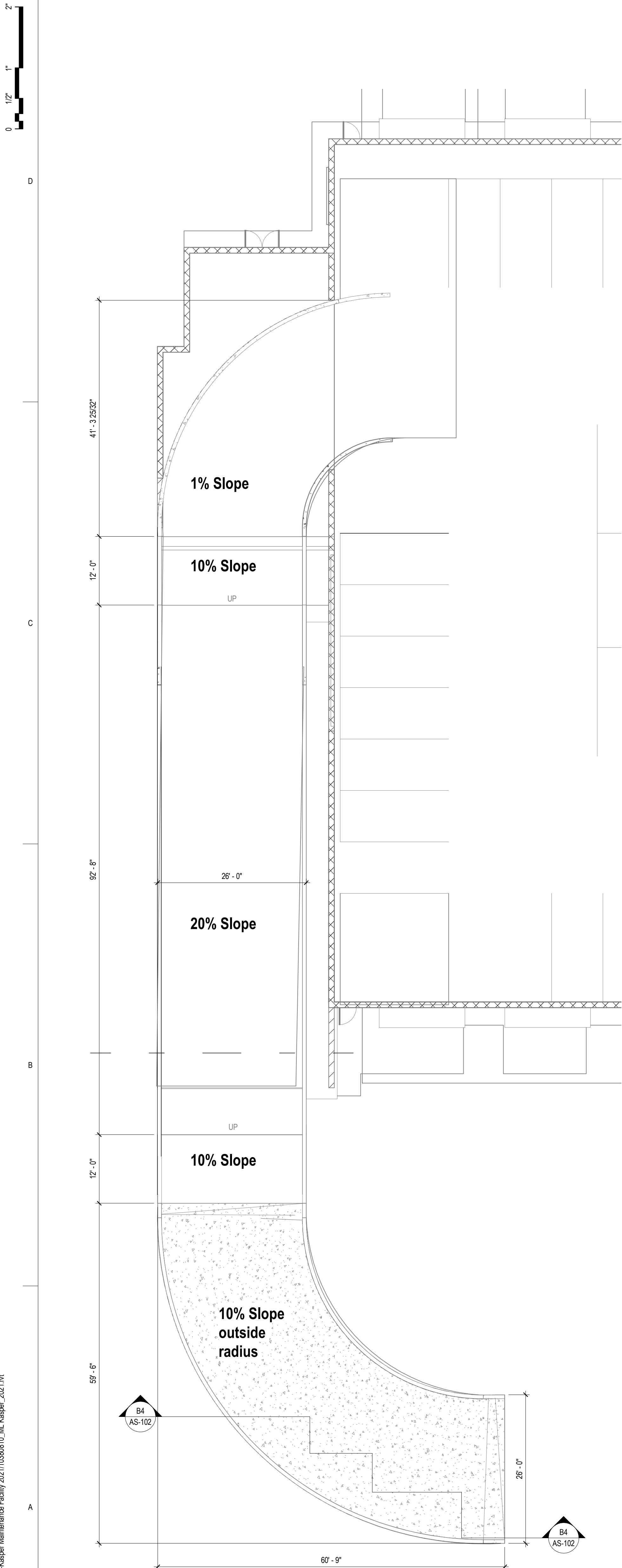
Sheet Name
PHASE 01 - RAMP
ENLARGED
FOUNDATION AND
FRAMING PLANS

Sheet Number
S-121

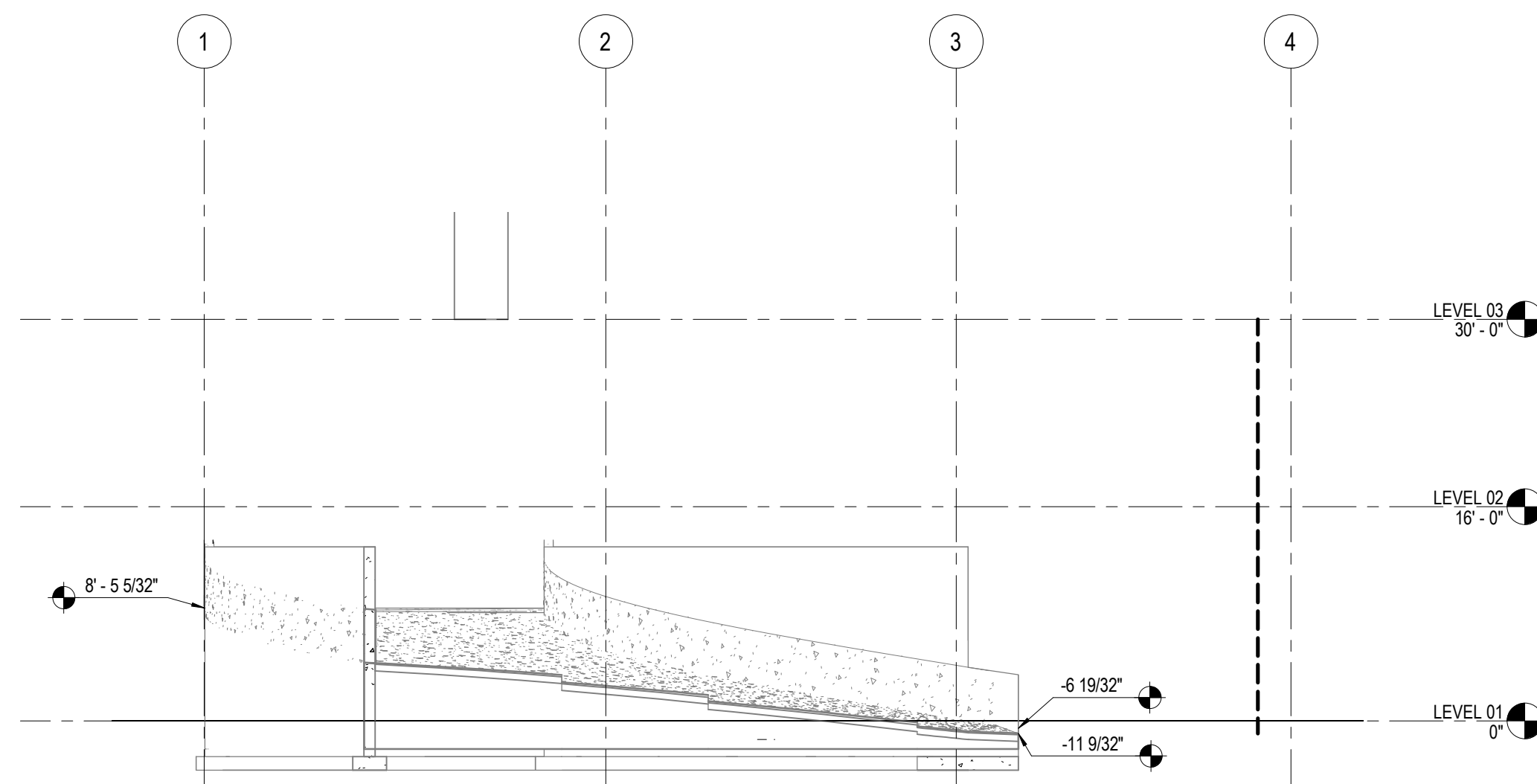
Project Status
SD Drawings



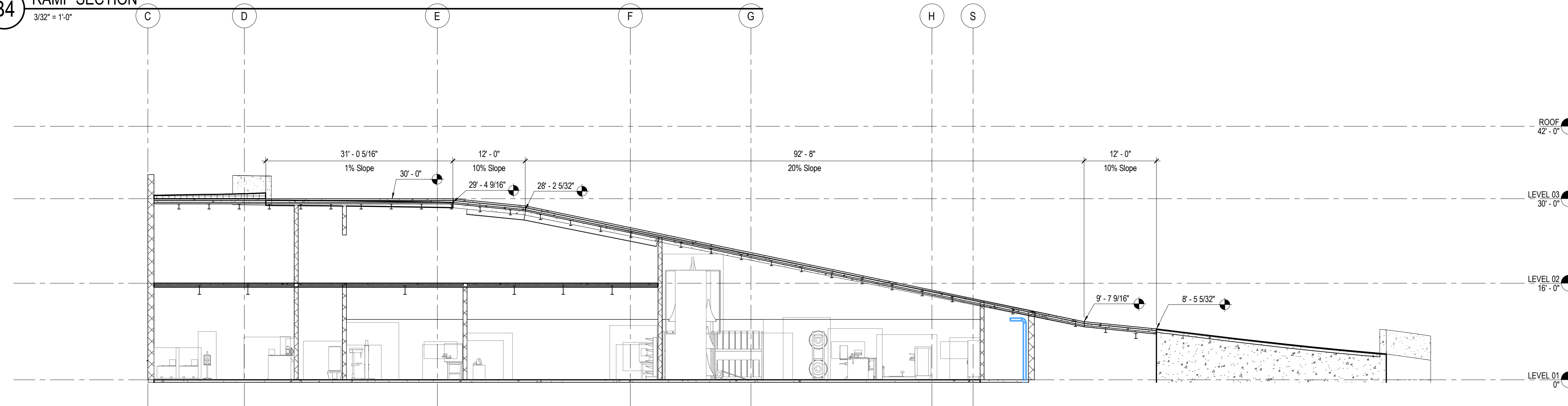
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68.93 Sht Phos



A5 ENLARGED SITE PLAN - RAMP DETAIL
3/32" = 1'-0"



B4 RAMP SECTION
3/32" = 1'-0"



A4 RAMP SECTION
3/32" = 1'-0"



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- | | |
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| Equipment Planner | Ken Booth |
| Wayfinding | |

Drawn By	NMT	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/2024

PRELIMINARY
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Sheet Name
ENLARGED SITE PLAN - RAMP

Sheet Number
AS-102

Project Status
SCHEMATIC DESIGN DRAWINGS



A5 PHASE 1 DEMO FLOOR PLAN - LEVEL 01
1/16" = 1'-0"

DEMOLITION LEGEND

HDR INSTRUCTION:
REVIEW AND MODIFY LEGEND AS NECESSARY TO MEET PROJECT REQUIREMENTS

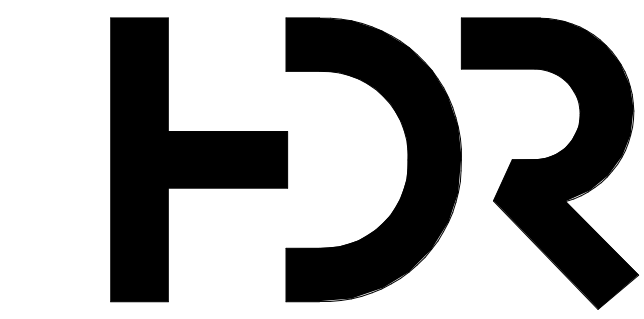
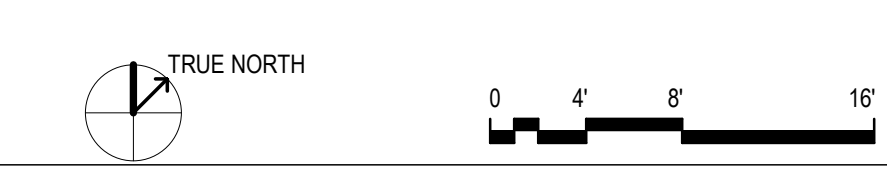
DEMOLITION GENERAL NOTES

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Delete this ROW from the Excel file when before loading into Revit.

- LIGHT LINES INDICATE EXISTING CONSTRUCTION TO REMAIN.
- REMOVE ALL EXISTING CONSTRUCTION INDICATED BY BOLD DASHED LINES.
- THE CONTRACTOR SHALL NOTE THAT THE BUILDING IS OCCUPIED, PATIENT AND PUBLIC SAFETY, SECURITY AND CONVENIENCE SHALL GOVERN OVER THE CONTRACTORS' SCHEDULE AND CONVENIENCE WITHOUT EXCEPTION.
- FOR THE PURPOSE OF ESTIMATING THE TRADE CONTRACTOR(S) ARE REQUIRED TO VISIT THE SITE TO ESTABLISH THE FULL EXTENT OF THE WORK AND DEMOLITION REQUIRED TO ACCOMMODATE THE WORK. VISITS TO THE SITE MUST BE SCHEDULED WITH THE OWNER AND CONSULTANT.
- THE INTENT OF DEMOLITION WORK IS TO PROVIDE A CLEAR AREA FOR THE NEW CONSTRUCTION IDENTIFIED. ALL THE EXTERIOR PAVING, PLANTERS, EXISTING PATHS, EXISTING BUILDING, MECHANICAL COMPONENTS, ELECTRICAL COMPONENTS AND LANDSCAPE ELEMENTS WITHIN THE DESIGNATED DEMOLITION AREA ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
- ITEMS INDICATED WITH KEY NOTES ARE INTENDED TO ASSIST THE CONTRACTOR IN IDENTIFYING SPECIFIC CONDITIONS. DEMOLITION WORK IS NOT LIMITED TO THE ITEMS INDICATED WITH KEY NOTES.
- REFER TO CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOT NECESSARILY SHOWN ON THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO REPORT ALL DISCREPANCIES IN THE DEMOLITION DRAWINGS TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE DEMOLITION WORK IN AREAS IN QUESTION.
- CONTRACTOR TO VERIFY ALL ITEMS TO BE SALVAGED PRIOR TO START OF DEMOLITION WITH THE ARCHITECT.
- IF REQUIRED, ALL ASBESTOS ABATEMENT TO BE PERFORMED IN ACCORDANCE WITH WORK PROCEDURES AS DEFINED BY THE APPLICABLE WORKERS COMPENSATION BOARD AND THE APPLICABLE OCCUPATIONAL HEALTH AND SAFETY REGULATION HAVING JURISDICTION.
- REMOVE ALL TREES, SHRUBS AND PLANTING WITHIN THE DEMOLITION AREA AS INDICATED IN THE LANDSCAPE DRAWINGS.
- REFER TO LANDSCAPE DRAWINGS FOR TEMPORARY HOARDING REQUIRED FOR EXISTING TREES & PLANTING TO REMAIN.
- THE CONSULTANT DOES NOT WARRANT THE ACCURACY OF AS BUILT DRAWINGS. DIMENSIONS OR MATERIALS REPRESENTED ON THE DRAWINGS ARE INTENDED FOR CONSTRUCTION CONFORMANCE.
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- THE CONTRACTOR SHALL DETERMINE THE DIVISION OF DEMOLITION WORK BETWEEN THE VARIOUS TRADES. NOTWITHSTANDING, THE AGGREGATE OF ALL DEMOLITION WORK REQUIRED TO SATISFACTORILY COMPLETE THE EXECUTION OF ALL NEW WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ADD ADDITIONAL NOTES SPECIFIC TO DEMOLITION FOR UNIQUE OR SPECIAL CONDITIONS HERE.

SHEET KEYNOTES

- DEMOLITION WORK SHALL NOT BEGIN UNTIL SUCH TIME AS ALL TEMPORARY HOARDINGS, BARRICADES, SECURITY DEVICES, WAYFINDING AND SAFETY SIGNAGE IS IN PLACE. EXACT LOCATION AND TYPE OF CONSTRUCTION HOARDING C/W DOOR LOCATIONS TO BE COORDINATED ON SITE WITH CONSULTANTS AND OWNER PRIOR TO INSTALLATION.
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MOUNTAIN LINE

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Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: _____ Author: _____

MARK	DATE	DESCRIPTION
	03.19.2024	SITE PLAN SUBMISSION
	04.15.2024	SD DRAWINGS

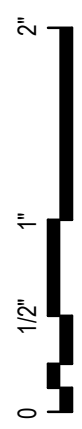
Project Number: 10380810
Original Issue: 04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
OVERALL DEMOLITION PLAN - LEVEL 01 - PHASE 01

Sheet Number
AD-101

Project Status
SCHEMATIC DESIGN DRAWINGS

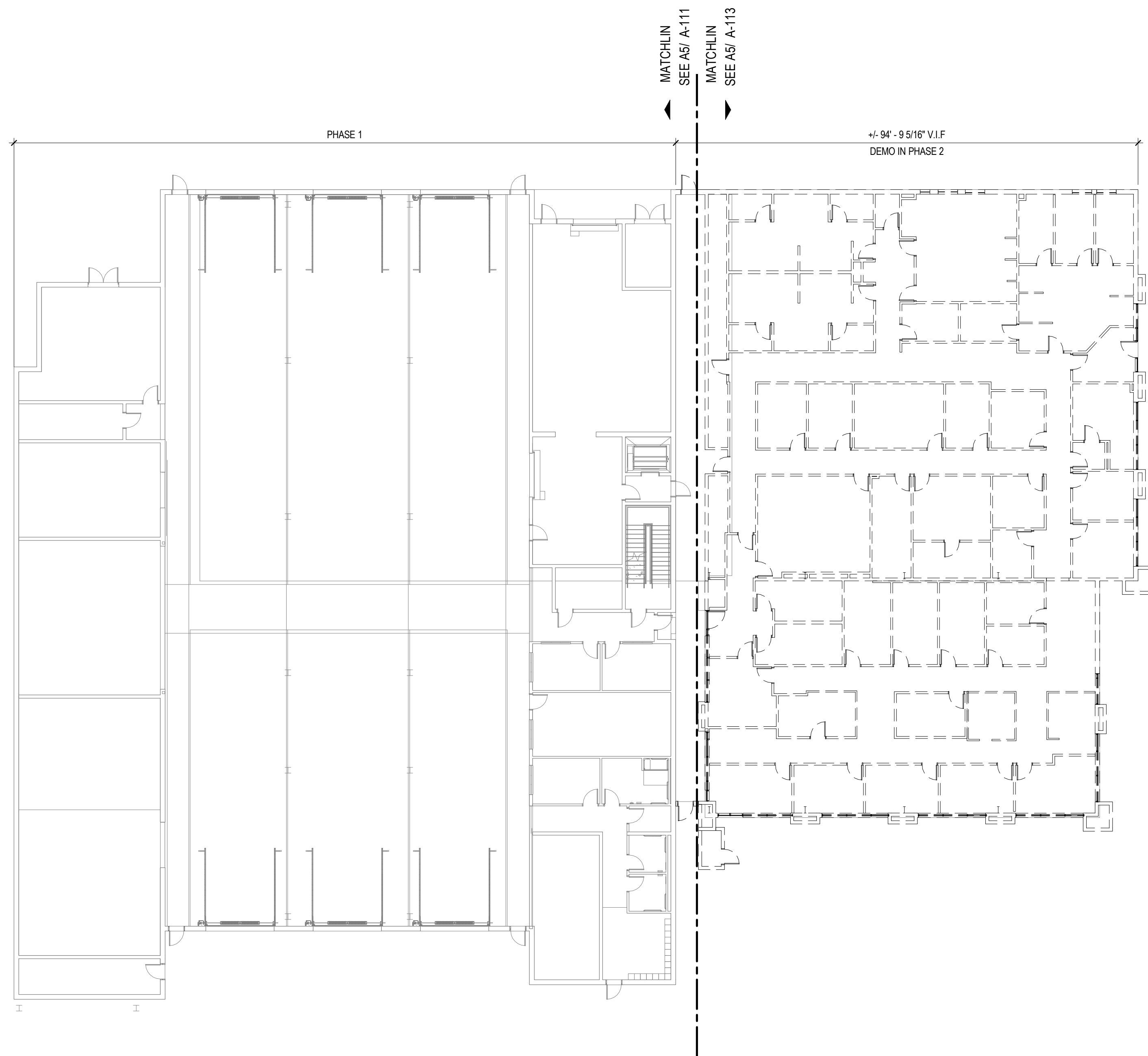


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C

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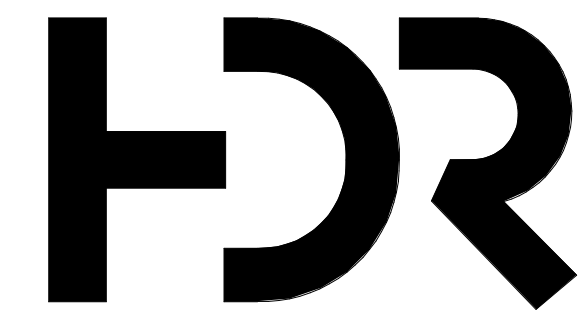
A



A5 PHASE 2 DEMO FLOOR PLAN - LEVEL 02
1/16" = 1'-0"

DEMOLITION LEGEND

HDR INSTRUCTION:
REVIEW AND MODIFY LEGEND AS
NECESSARY TO MEET PROJECT
REQUIREMENTS



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DEMOLITION GENERAL NOTES

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- REFER TO CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOT NECESSARILY SHOWN ON THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO REPORT ALL DISCREPANCIES IN THE DEMOLITION DRAWINGS TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE DEMOLITION WORK IN AREAS IN QUESTION.
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- REFER TO LANDSCAPE DRAWINGS FOR TEMPORARY HOARDING REQUIRED FOR EXISTING TREES & PLANTING TO REMAIN.
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- ADD ADDITIONAL NOTES SPECIFIC TO DEMOLITION FOR UNIQUE OR SPECIAL CONDITIONS HERE.

SHEET KEYNOTES

MOUNTAIN LINE

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Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
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	04.15.2024	SD DRAWINGS

Project Number: 10380810
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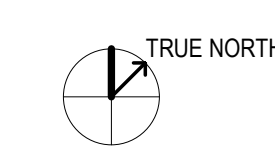
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**OVERALL DEMOLITION
PLAN - LEVEL 01 -
PHASE 02**

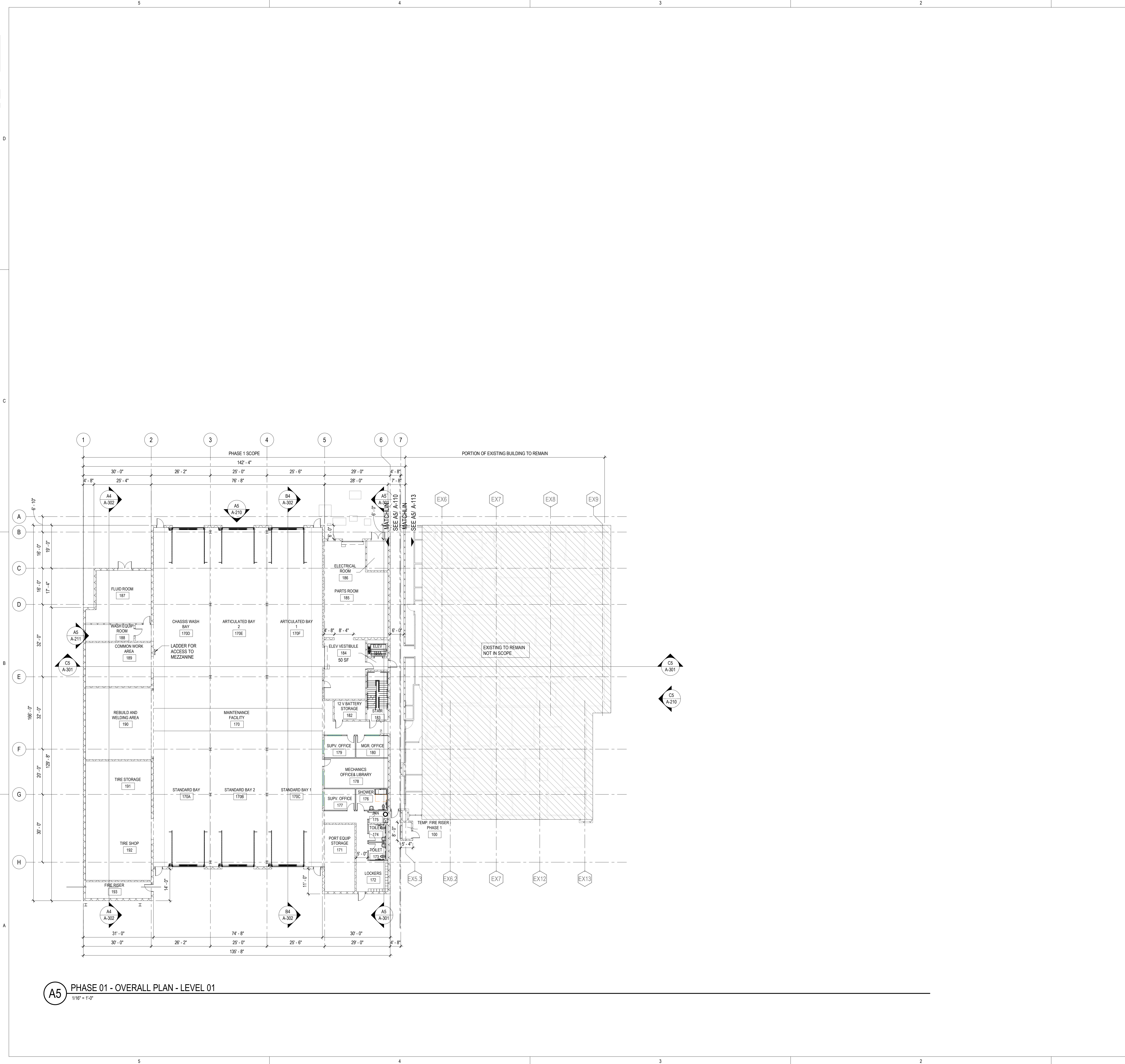
Sheet Number

AD-102

Project Status
SCHEMATIC DESIGN DRAWINGS



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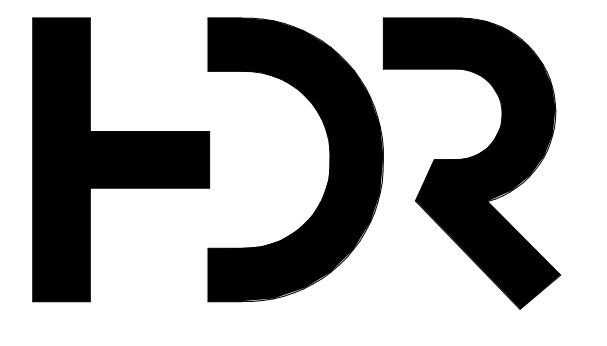
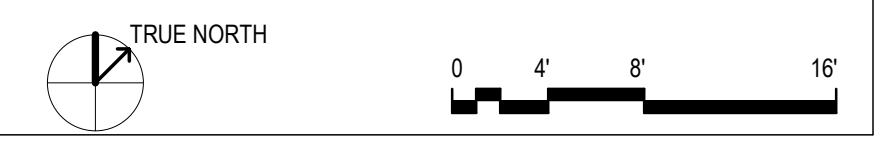
A5 PHASE 01 - OVERALL PLAN - LEVEL 01
1/16" = 1'-0"

FLOOR PLAN LEGEND

FLOOR PLAN GENERAL NOTES

- DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED & NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.
- ALL DIMENSIONS ARE TO COLUMN CENTERLINES OR FACE OF FINISHED WALLS OR SURFACES UNLESS NOTED OTHERWISE.
- REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.
- ALL DOOR FRAMES ARE TO BE INSTALLED 4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.
- REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.
- REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.
- REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.
- REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL STRUCTURAL SPECIFIC INFORMATION.
- REFER TO MEP DRAWINGS FOR ADDITIONAL MEP SPECIFIC INFORMATION.
- ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE 'A' UNLESS NOTED OTHERWISE.
- HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.
- ALL SMOKE BARRIER WALLS ARE TO BE EXTENDED FROM BACK SIDE OF EXTERIOR WALL SHEATHING TO BACK SIDE OF EXTERIOR WALL SHEATHING OR ANOTHER SMOKE BARRIER WALL.

SHEET KEYNOTES



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MOUNTAIN LINE

3733 N Kasper Drive
 Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Eddleman-Health
Civil Engineer	Abhay Khaire
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By	NMT	
MARK	DATE	DESCRIPTION
	03.19.2024	SITE PLAN SUBMISSION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/2024

PRELIMINARY
 NOT FOR CONSTRUCTION

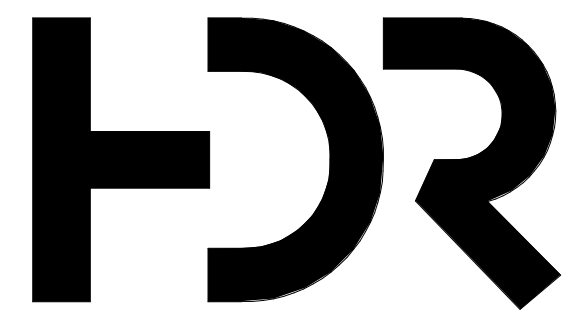
Sheet Name
OVERALL PLAN - LEVEL 01 - PHASE 01

Sheet Number
A-101

Project Status
 SCHEMATIC DESIGN DRAWINGS



FLOOR PLAN LEGEND



HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



FLOOR PLAN GENERAL NOTES

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Drawn By: NMT

MARK	DATE	DESCRIPTION
	03.19.2024	SITE PLAN SUBMISSION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

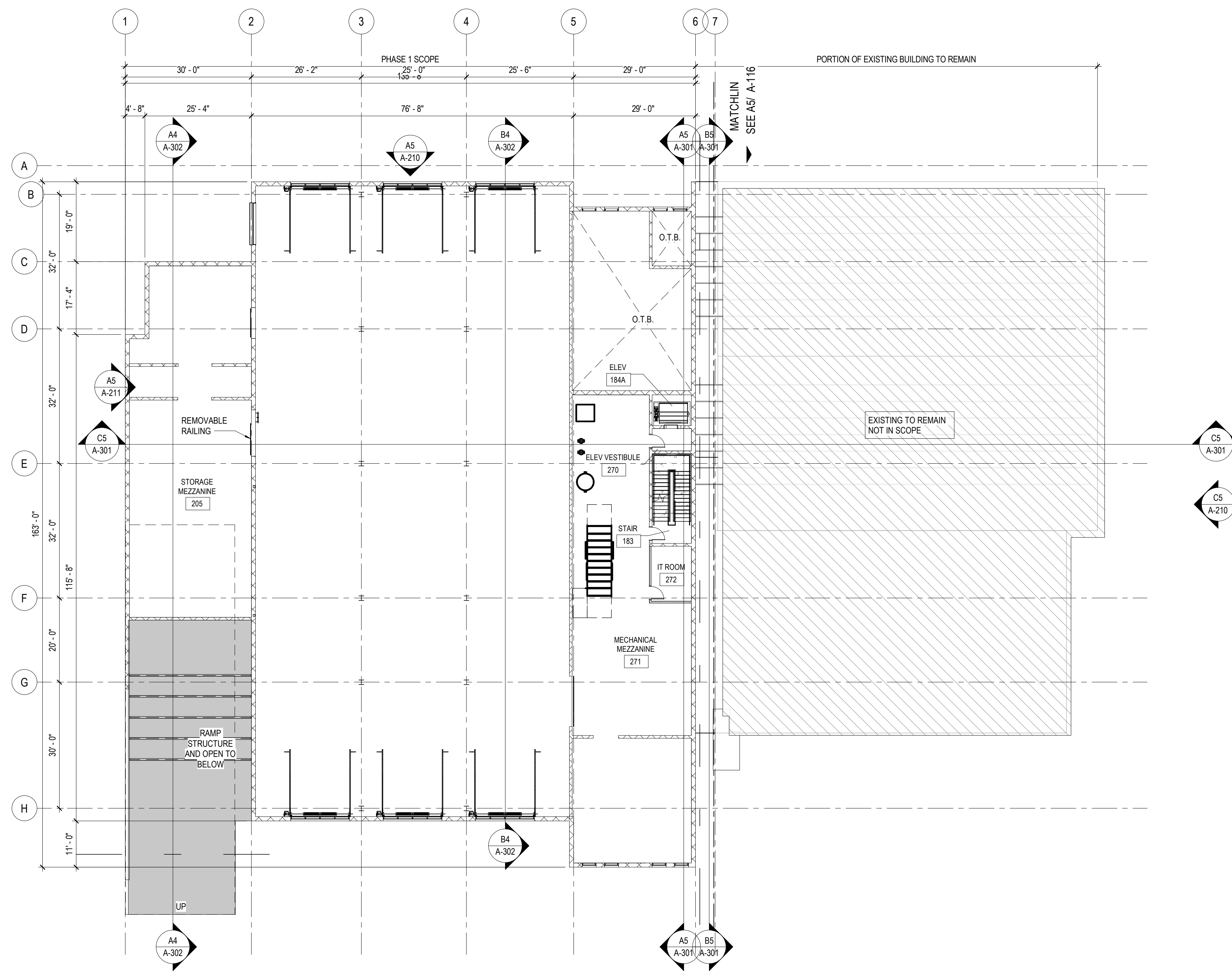
Project Number	10380810
Original Issue	04/15/2024

PRELIMINARY
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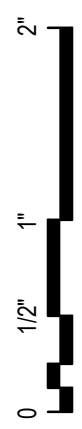
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**OVERALL PLAN -
LEVEL 02 - PHASE 01**

Sheet Number
A-102

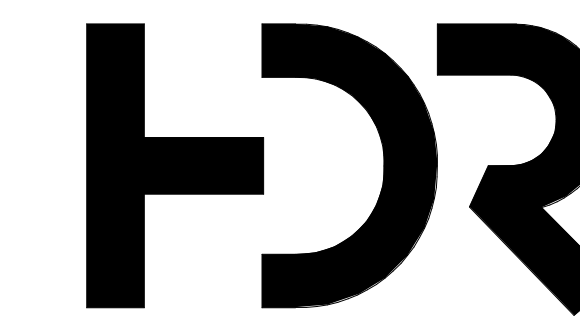
Project Status
SCHEMATIC DESIGN DRAWINGS



A5 PHASE 01 - OVERALL PLAN - LEVEL 02
1/16" = 1'-0"



FLOOR PLAN LEGEND



HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

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Flagstaff, AZ 86004



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SHEET KEYNOTES

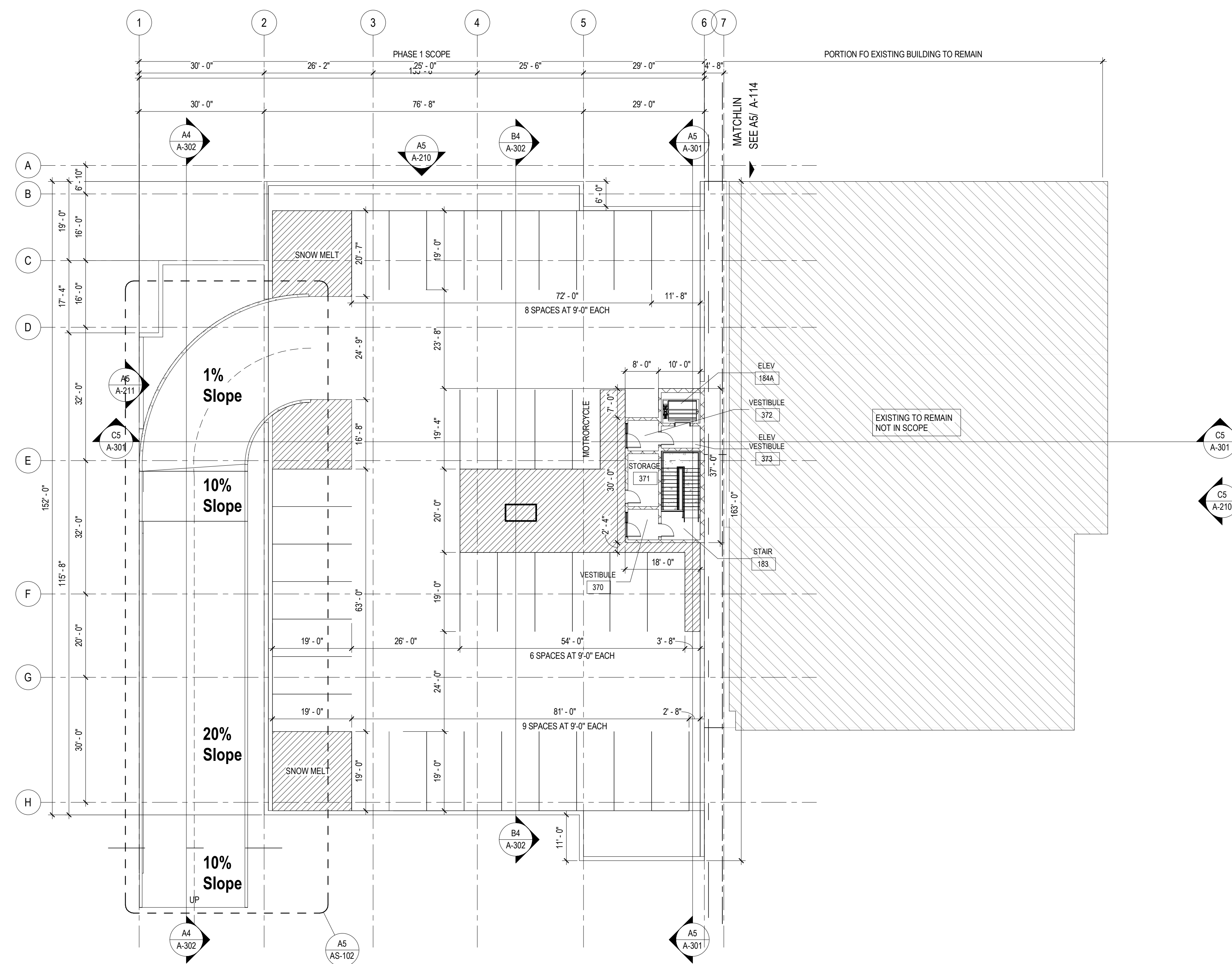
Project Number	10380810
Original Issue	04/15/2024

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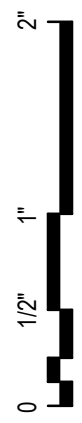
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**OVERALL PLAN -
LEVEL 03 - PHASE 01**

Sheet Number
A-103

Project Status
SCHEMATIC DESIGN DRAWINGS

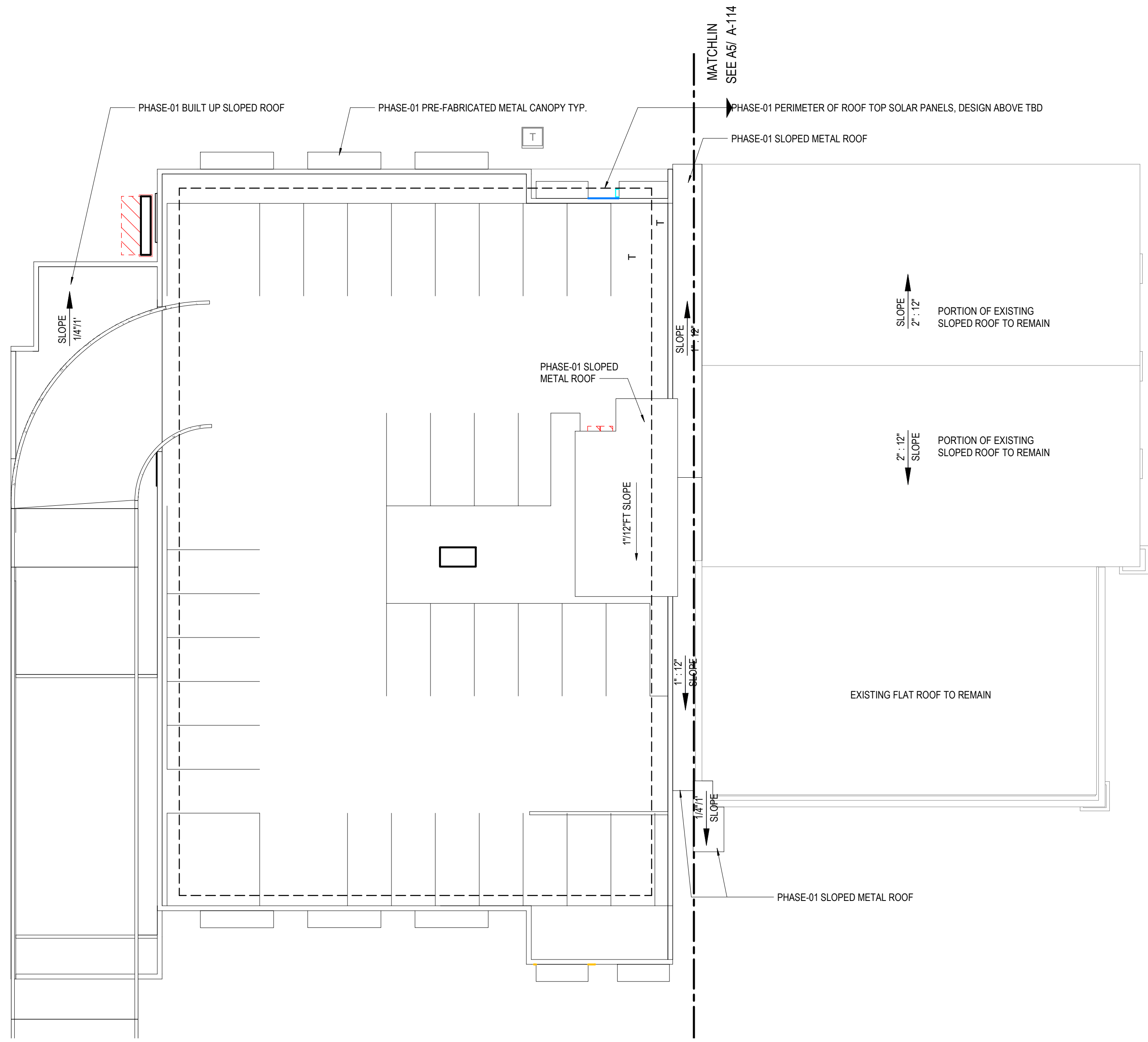


A5 PHASE 01 - OVERALL PLAN - LEVEL 03
1/16" = 1'-0"



5 4 3 2 1

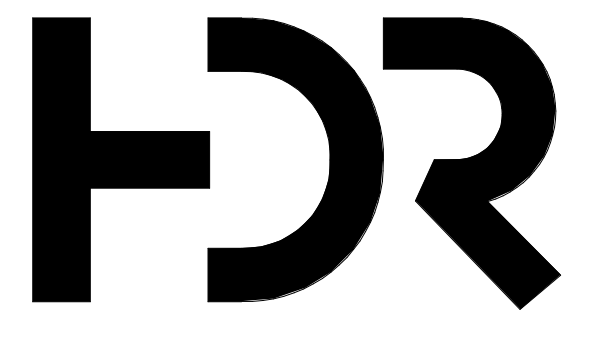
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A5 PHASE 01 - OVERALL ROOF PLAN
1/16" = 1'-0"

ROOF PLAN LEGEND

HDR INSTRUCTION:
REVIEW AND MODIFY LEGEND AS
NECESSARY TO MEET PROJECT
REQUIREMENTS



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20 E Thomas Road
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Phoenix, AZ 85012

ROOF PLAN GENERAL NOTES

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



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MARK	DATE	DESCRIPTION
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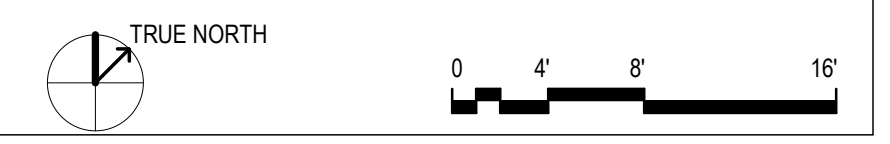
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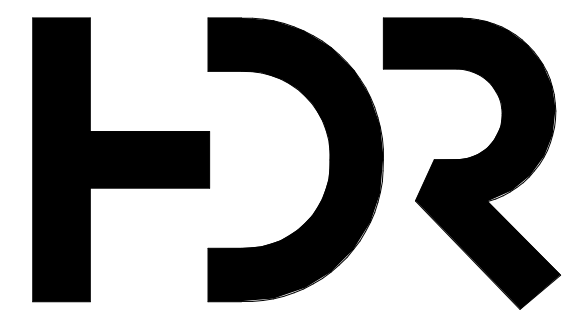
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**OVERALL ROOF PLAN -
PHASE 01**

Sheet Number
A-104

Project Status
SCHEMATIC DESIGN DRAWINGS



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Drawn By NMT

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Project Number 10380810
Original Issue 04/15/2024

PRELIMINARY
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Sheet Name
MAINTENANCE FACILITY- LEVEL 01 - PHASE 01

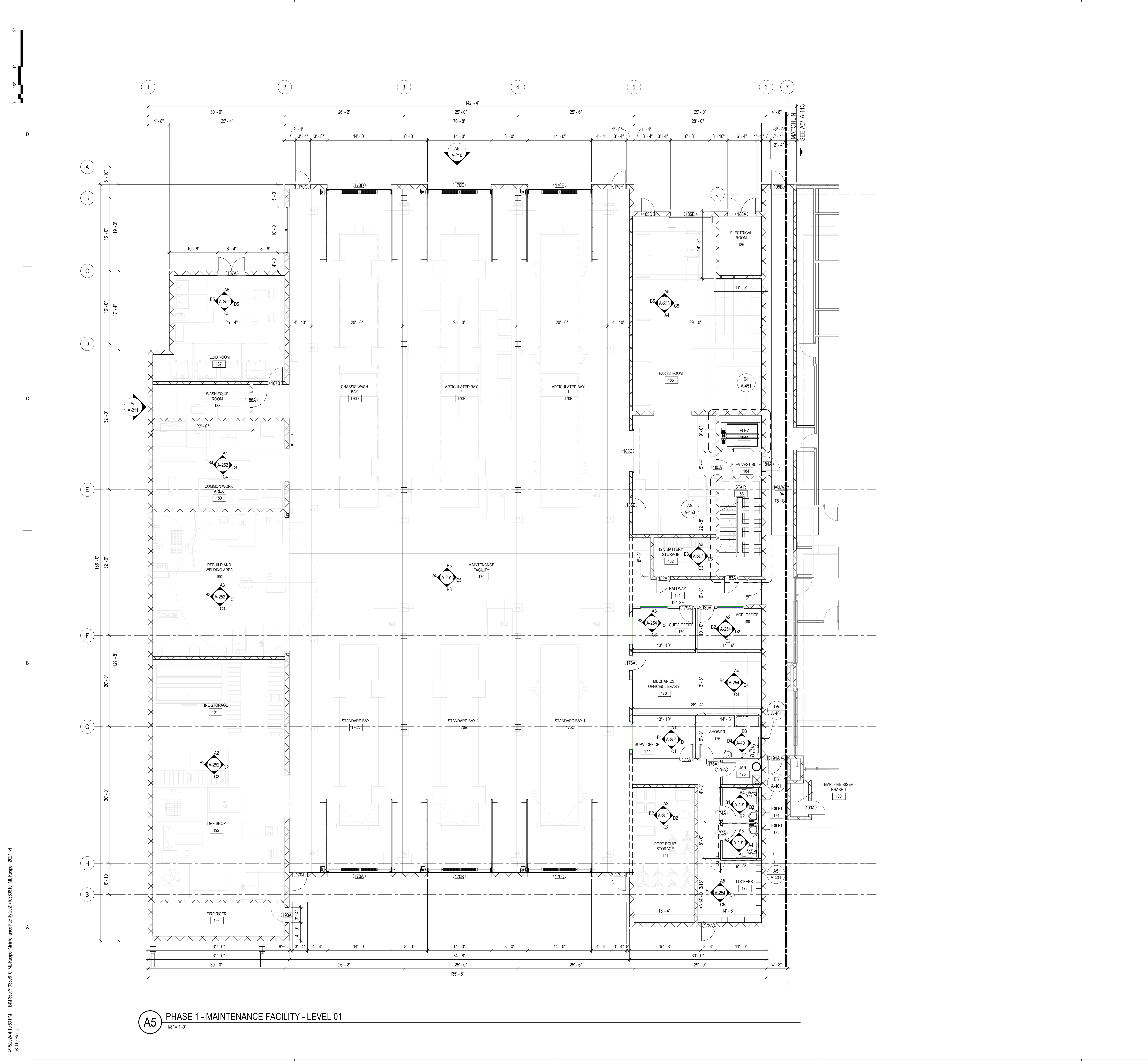
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Project Status
SCHEMATIC DESIGN DRAWINGS

FLOOR PLAN LEGEND

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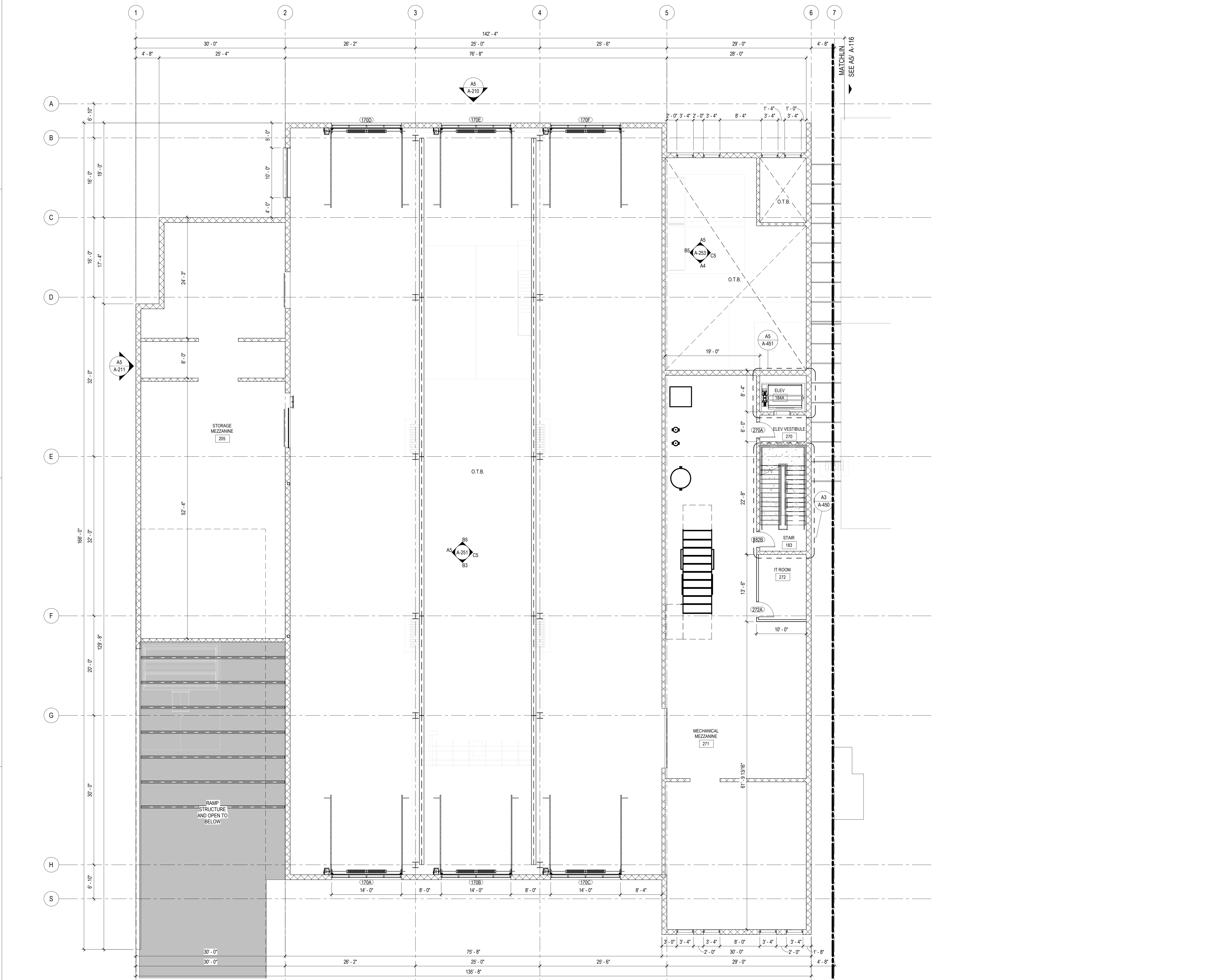
SHEET KEYNOTES



A5 PHASE 1 - MAINTENANCE FACILITY - LEVEL 01
1/8" = 1'-0"

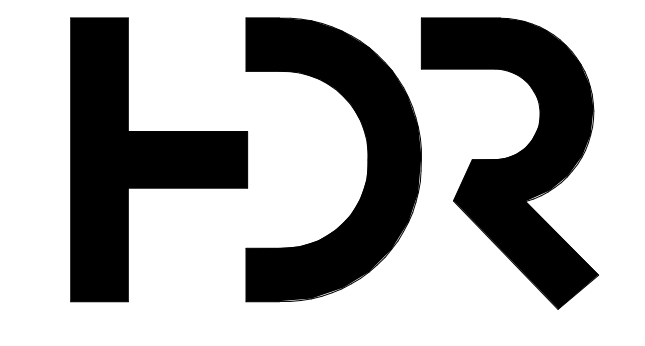
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08:10 Pines



A5 PHASE 1 - MAINTENANCE FACILITY - LEVEL 02 (MEZZANINE)
1/8" = 1'-0"

FLOOR PLAN LEGEND



HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



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SHEET KEYNOTES

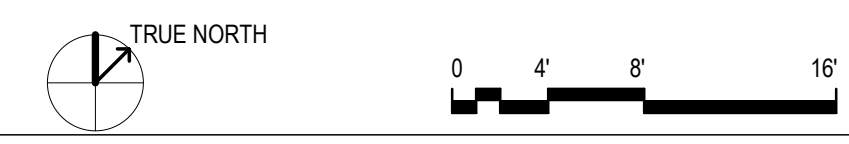
Project Number	10380810
Original Issue	04/15/2024

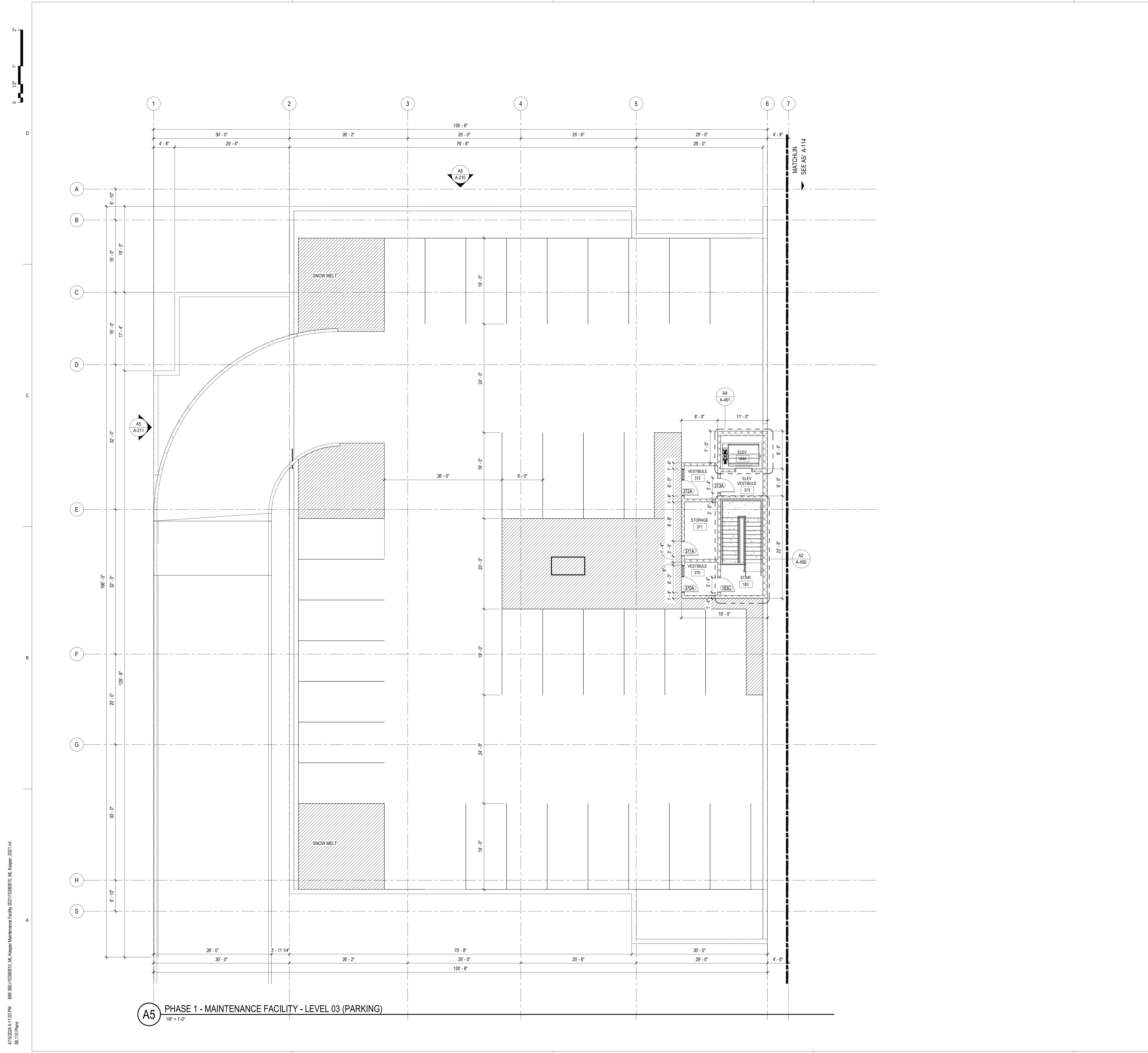
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NOT FOR CONSTRUCTION

Sheet Name
MAINTENANCE FACILITY - LEVEL 02 (MEZZANINE) - PHASE 01

Sheet Number
A-111

Project Status
SCHEMATIC DESIGN DRAWINGS





FLOOR PLAN LEGEND

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SHEET KEYNOTES



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MOUNTAIN LINE

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Drawn By	NMT	
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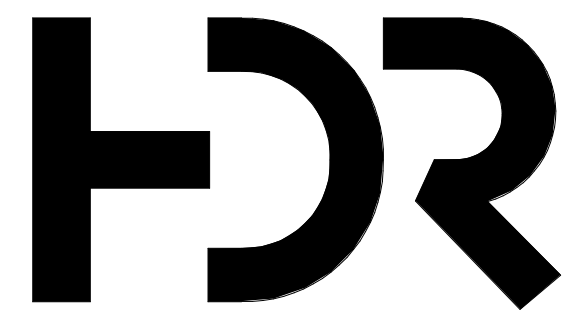


Sheet Name
MAINTENANCE FACILITY - LEVEL 03 (PARKING) - PHASE 01

Sheet Number
A-112

Project Status
SCHEMATIC DESIGN DRAWINGS

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HDR Architecture
20 E Thomas Road
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Project Number 10380810
Original Issue 04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
RCP - LEVEL 02 -
PHASE 01

Sheet Number
AC-102

Project Status
SCHEMATIC DESIGN DRAWINGS

RCP LEGEND

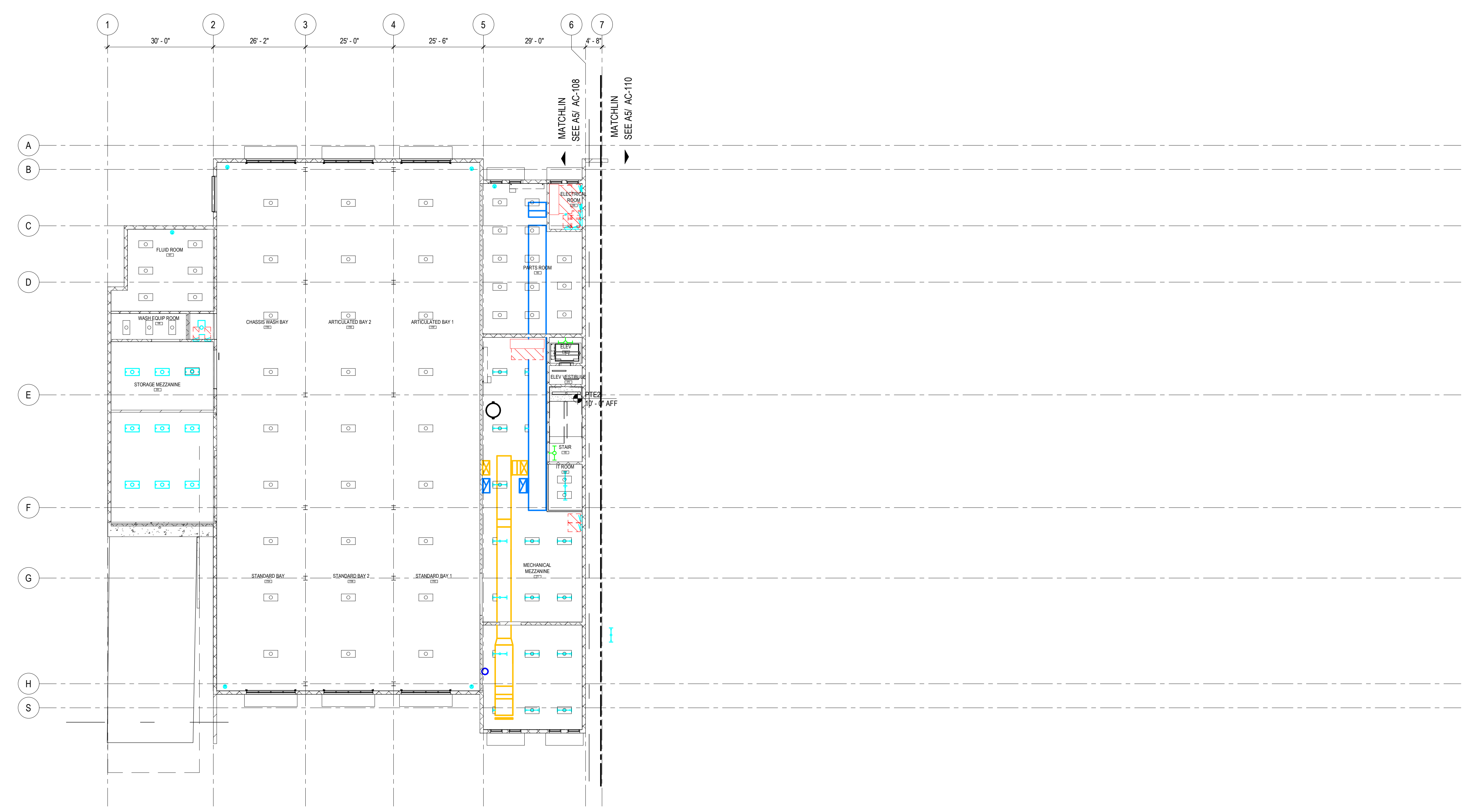
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- 2X6 ACOUSTIC CEILING
- GYPSUM BOARD
- 9x36 LINEAR METAL PLANK CEILING TILE
- CEILING CLOUD
- 2X4 RECESSED LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE - HIGH BAY
- LINEAR RECESSED LIGHT
- CAN LIGHT
- SUSPENDED LINEAR LIGHT
- SUSPENDED ROUND LIGHT
- SUSPENDED STRIP LIGHT
- EXHAUST
- WALL SCONCE
- EXIT SIGN

RCP GENERAL NOTES

1. ALL ACT2 CEILINGS ARE TO BE 10'-0" A.F.F. U.N.O., ALL GWB CEILING ARE TO BE 9'-0" U.N.O.
2. REFER TO "1" SERIES DRAWINGS FOR ADDITIONAL CEILING AND ROOM FINISH INFORMATION ALL GYP. SOFFITS AND BULKHEADS SHALL BE PAINTED PT2E U.N.O.
3. CENTER CEILING TILE GRID WITHIN ROOM UNLESS OTHERWISE NOTED OR DIMENSIONED
4. CENTER LIGHT FIXTURES, MECHANICAL GRILLES AND OTHER CEILING MOUNTED DEVICES WITHIN CEILING TILES / PANELS UNLESS OTHERWISE NOTED OR DIMENSIONED
5. FOR GYPSUM BOARD CEILINGS, IF NOT DIMENSIONED, CENTER HVAC SUPPLY / RETURN GRILLES BETWEEN LIGHTS ALONG THEIR COMMON CENTERLINE, OR WHEN IN A CORNER, 9 INCHES MINIMUM EACH WAY FROM THE ADJACENT WALL
6. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES (INCLUDING EXIT SIGNS), SWITCHING AND CIRCUITING
7. SMOKE DETECTION SYSTEMS, INCLUDING VISUAL AND AUDIBLE WARNING DEVICES (I.E. STROBES, SPEAKERS ETC.) ARE TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LIFE-SAFETY CODES, AND LOCAL FIRE DEPARTMENT REQUIREMENTS. REFER TO ELECTRICAL SHEETS FOR TYPES AND LOCATIONS.
8. FIRE SUPPRESSION SYSTEMS ARE TO BE DESIGNED AND INSTALLED BY A LICENSED PROFESSIONAL AND SHALL ADHERE TO THE CRITERIA SET FORTH BY THE APPLICABLE CODE ENFORCEMENT AGENCIES AS WELL AS THE SPECIFICATIONS
9. THE CONTRACTOR IS TO VERIFY AND COORDINATE LOCATIONS OF ACCESS PANELS AND OTHER CEILING PENETRATING ITEMS NOT SHOWN ON THE REFLECTED CEILING PLANS. SHOULD A CONFLICT OCCUR, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND / OR ENGINEER PRIOR TO INSTALLATION.
10. IF UNFORSEEN CONDITIONS LIMIT THE PROPOSED CEILING HEIGHT AND / OR ABOVE CEILING SYSTEMS DESIGN, THE CONDITION IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH INSTALLATION.
11. ALL WINDOWS IN PHASE 2 OPERATIONS TO GET RS1 WINDOW SHADES/ SINGLE 5% OPEN ECOVEIL AS BASE PRODUCT, MANUAL CONTROL

SHEET KEYNOTES

A5 PHASE 01 - OVERALL REFLECTED CEILING PLAN - LEVEL 02
1/16" = 1'-0"



M:\Projects\4.13.24\AC-102\10380810_ML_Kasper_Phase01.dwg
Date: 04/15/2024
Author: Rachel McAdoo
Title: Project Architect



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Drawn By: _____ Author: _____

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Sheet Name
RCP - LEVEL 03 - PHASE 01

Sheet Number
AC-103

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SCHEMATIC DESIGN DRAWINGS

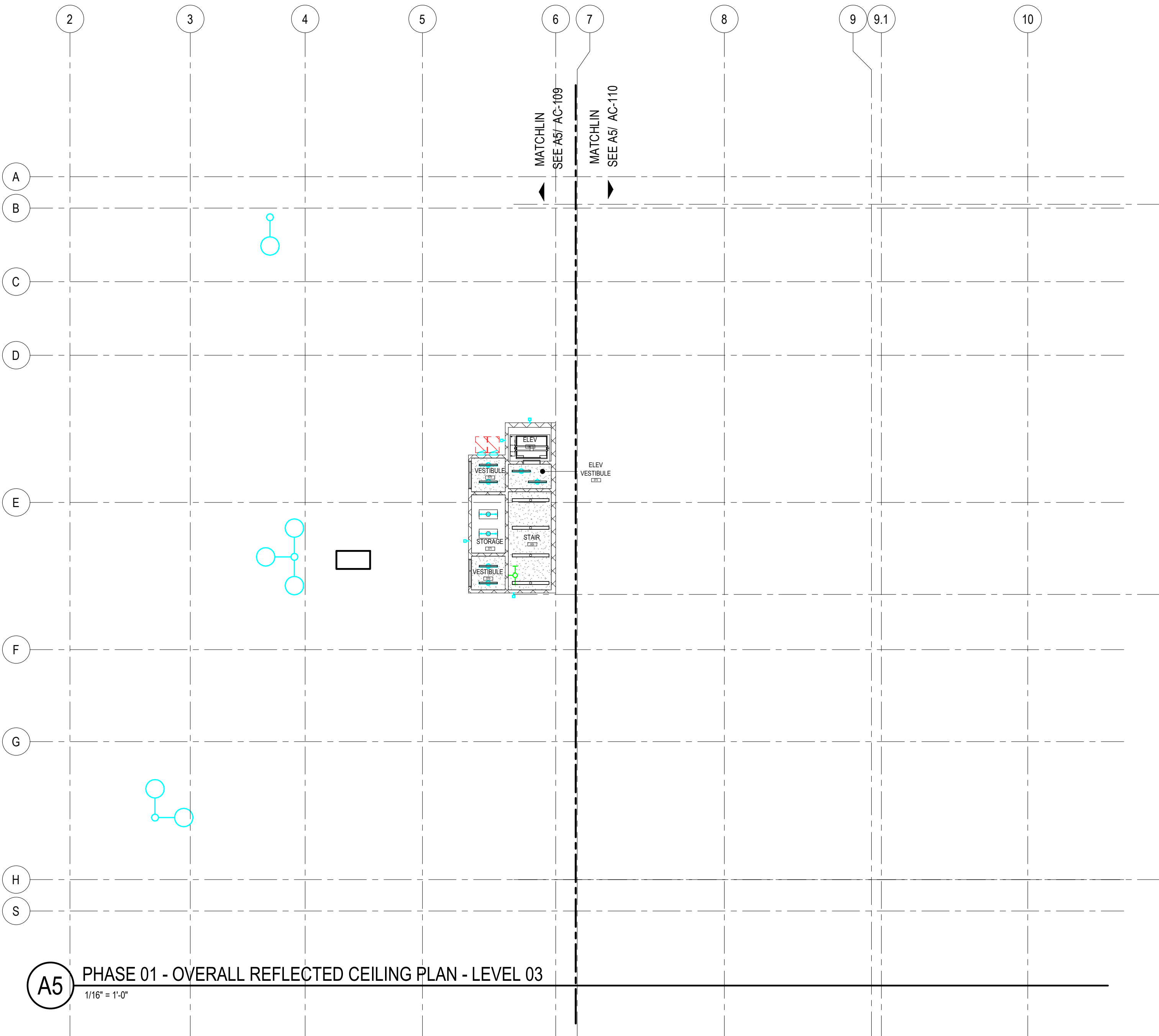
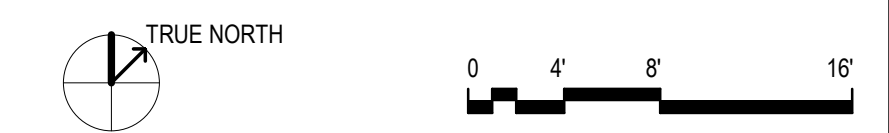
RCP LEGEND

- 2X2 ACOUSTIC CEILING
- 24X80 ACOUSTIC CEILING
- GYPSUM BOARD
- 9x36 LINEAR METAL PLANK CEILING TILE
- CEILING CLOUD
- 2X4 RECESSED LIGHT FIXTURE
- 2X2 LIGHT FIXTURE **WIP**
- 2X4 LIGHT FIXTURE - HIGH BAY
- LINEAR RECESSED LIGHT
- CAN LIGHT
- SUSPENDED LINEAR LIGHT
- SUSPENDED ROUND LIGHT
- SUSPENDED STRIP LIGHT
- EXHAUST
- WALL SCONCE
- EXIT SIGN

RCP GENERAL NOTES

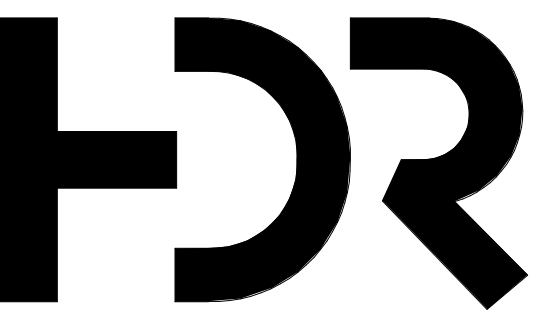
- ALL ACT2 CEILINGS ARE TO BE 10'-0" A.F.F. U.N.O., ALL GWB CEILING ARE TO BE 9'-0" U.N.O.
- REFER TO "F" SERIES DRAWINGS FOR ADDITIONAL CEILING AND ROOM FINISH INFORMATION ALL GYP. SOFFITS AND BULKHEADS SHALL BE PAINTED PT2E U.N.O.
- CENTER CEILING TILE GRID WITHIN ROOM UNLESS OTHERWISE NOTED OR DIMENSIONED
- CENTER LIGHT FIXTURES, MECHANICAL GRILLES AND OTHER CEILING MOUNTED DEVICES WITHIN CEILING TILES / PANELS UNLESS OTHERWISE NOTED OR DIMENSIONED
- FOR GYPSUM BOARD CEILINGS, IF NOT DIMENSIONED, CENTER HVAC SUPPLY / RETURN GRILLES BETWEEN LIGHTS ALONG THEIR COMMON CENTERLINE, OR WHEN IN A CORNER, 9 INCHES MINIMUM EACH WAY FROM THE ADJACENT WALL
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES (INCLUDING EXIT SIGNS), SWITCHING AND CIRCUITING
- SMOKE DETECTION SYSTEMS, INCLUDING VISUAL AND AUDIBLE WARNING DEVICES (I.E. STROBES, SPEAKERS ETC.) ARE TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LIFE-SAFETY CODES, AND LOCAL FIRE DEPARTMENT REQUIREMENTS. REFER TO ELECTRICAL SHEETS FOR TYPES AND LOCATIONS.
- FIRE SUPPRESSION SYSTEMS ARE TO BE DESIGNED AND INSTALLED BY A LICENSED PROFESSIONAL AND SHALL ADHERE TO THE CRITERIA SET FORTH BY THE APPLICABLE CODE ENFORCEMENT AGENCIES AS WELL AS THE SPECIFICATIONS
- THE CONTRACTOR IS TO VERIFY AND COORDINATE LOCATIONS OF ACCESS PANELS AND OTHER CEILING PENETRATING ITEMS NOT SHOWN ON THE REFLECTED CEILING PLANS. SHOULD A CONFLICT OCCUR, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND / OR ENGINEER PRIOR TO INSTALLATION.
- IF UNFORSEEN CONDITIONS LIMIT THE PROPOSED CEILING HEIGHT AND / OR ABOVE CEILING SYSTEMS DESIGN, THE CONDITION IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH INSTALLATION.
- ALL WINDOWS IN PHASE 2 OPERATIONS TO GET RS1 WINDOW SHADES/ SINGLE 5% OPEN ECOVEIL AS BASE PRODUCT, MANUAL CONTROL

SHEET KEYNOTES



A5 PHASE 01 - OVERALL REFLECTED CEILING PLAN - LEVEL 03

1/16" = 1'-0"



HDR Architecture
 20 E Thomas Road
 Suite #2500
 Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
 Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Eddleman-Heath
Civil Engineer	Abhay Khaira
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number: 10380810
 Original Issue: 04/15/2024



Sheet Name
MAINTENANCE FACILITY - LEVEL 01 - PHASE 01

Sheet Number
AC-107

Project Status
 SCHEMATIC DESIGN DRAWINGS

RCP LEGEND

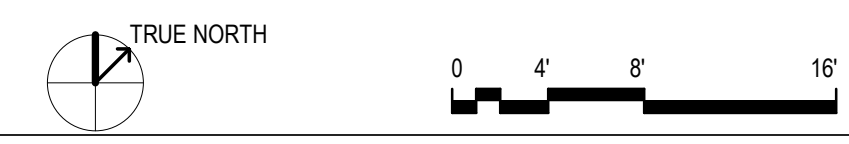
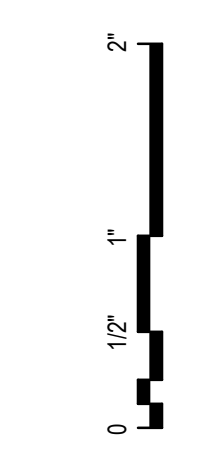
- 2X2 ACOUSTIC CEILING
- 24X60 ACOUSTIC CEILING
- GYPSUM BOARD
- 9x36 LINEAR METAL PLANK CEILING TILE
- CEILING CLOUD
- 2X4 RECESSED LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE - HIGH BAY
- LINEAR RECESSED LIGHT
- CAN LIGHT
- SUSPENDED LINEAR LIGHT
- SUSPENDED ROUND LIGHT
- SUSPENDED STRIP LIGHT
- EXHAUST
- WALL SCONCE
- EXIT SIGN

RCP GENERAL NOTES

- ALL ACT2 CEILINGS ARE TO BE 10'-0" A.F.F. U.N.O., ALL GWB CEILING ARE TO BE 9'-0" U.N.O.
- REFER TO "I" SERIES DRAWINGS FOR ADDITIONAL CEILING AND ROOM FINISH INFORMATION. ALL GYP, SOFFITS AND BULKHEADS SHALL BE PAINTED PT2E U.N.O.
- CENTER CEILING TILE GRID WITHIN ROOM UNLESS OTHERWISE NOTED OR DIMENSIONED.
- CENTER LIGHT FIXTURES, MECHANICAL GRILLES AND OTHER CEILING MOUNTED DEVICES WITHIN CEILING TILES / PANELS UNLESS OTHERWISE NOTED OR DIMENSIONED.
- FOR GYPSUM BOARD CEILINGS, IF NOT DIMENSIONED, CENTER HVAC SUPPLY / RETURN GRILLES BETWEEN LIGHTS ALONG THEIR COMMON CENTERLINE, OR WHEN IN A CORNER, 9 INCHES MINIMUM EACH WAY FROM THE ADJACENT WALL.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES (INCLUDING EXIT SIGNS), SWITCHING AND CIRCUITING.
- SMOKE DETECTION SYSTEMS, INCLUDING VISUAL AND AUDIBLE WARNING DEVICES (I.E. STROBES, SPEAKERS ETC.) ARE TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LIFE-SAFETY CODES, AND LOCAL FIRE DEPARTMENT REQUIREMENTS. REFER TO ELECTRICAL SHEETS FOR TYPES AND LOCATIONS.
- FIRE SUPPRESSION SYSTEMS ARE TO BE DESIGNED AND INSTALLED BY A LICENSED PROFESSIONAL AND SHALL ADHERE TO THE CRITERIA SET FORTH BY THE APPLICABLE CODE ENFORCEMENT AGENCIES AS WELL AS THE SPECIFICATIONS.
- THE CONTRACTOR IS TO VERIFY AND COORDINATE LOCATIONS OF ACCESS PANELS AND OTHER CEILING PENETRATING ITEMS NOT SHOWN ON THE REFLECTED CEILING PLANS. SHOULD A CONFLICT OCCUR, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND / OR ENGINEER PRIOR TO INSTALLATION.
- IF UNFORSEEN CONDITIONS LIMIT THE PROPOSED CEILING HEIGHT AND / OR ABOVE CEILING SYSTEMS DESIGN, THE CONDITION IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH INSTALLATION.
- ALL WINDOWS IN PHASE 2 OPERATIONS TO GET RS1 WINDOW SHADES/ SINGLE 5% OPEN ECOVEL AS BASE PRODUCT, MANUAL CONTROL.

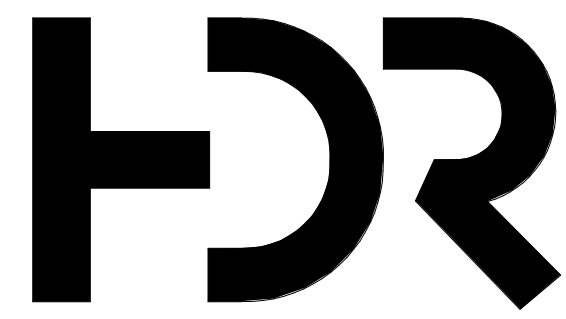
SHEET KEYNOTES

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A5 PHASE 01 - MAINTENANCE FACILITY - LEVEL 01
 1/8" = 1'-0"

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HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager Patrick Glowacki
Project Designer Katherine Dudzik Smith
Project Architect Rachel McAdoo
Landscape Architect Claire Eddleman-Health
Civil Engineer Abhay Khairi
Structural Engineer Chad Sippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbin Ramsey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Drawn By Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number 10380810
Original Issue 04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
MAINTENANCE FACILITY - LEVEL 02 (MEZZANINE) - PHASE 01

Sheet Number
AC-108

Project Status
SCHEMATIC DESIGN DRAWINGS

RCP LEGEND

- 2X2 ACOUSTIC CEILING
- 24X60 ACOUSTIC CEILING
- GYPSUM BOARD
- 9X36 LINEAR METAL PLANK CEILING TILE
- CEILING CLOUD
- 2X4 RECESSED LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE - HIGH BAY
- LINEAR RECESSED LIGHT
- CAN LIGHT
- SUSPENDED LINEAR LIGHT
- SUSPENDED ROUND LIGHT
- SUSPENDED STRIP LIGHT
- EXHAUST
- WALL SCONCE
- EXIT SIGN

RCP GENERAL NOTES

1. ALL ACT2 CEILINGS ARE TO BE 10'-0" A.F.F. U.N.O., ALL GWB CEILING ARE TO BE 9'-0" U.N.O.
2. REFER TO "1" SERIES DRAWINGS FOR ADDITIONAL CEILING AND ROOM FINISH INFORMATION ALL GYP. SOFFITS AND BULKHEADS SHALL BE PAINTED PT2E U.N.O.
3. CENTER CEILING TILE GRID WITHIN ROOM UNLESS OTHERWISE NOTED OR DIMENSIONED
4. CENTER LIGHT FIXTURES, MECHANICAL GRILLES AND OTHER CEILING MOUNTED DEVICES WITHIN CEILING TILES / PANELS UNLESS OTHERWISE NOTED OR DIMENSIONED
5. FOR GYPSUM BOARD CEILINGS, IF NOT DIMENSIONED, CENTER HVAC SUPPLY / RETURN GRILLES BETWEEN LIGHTS ALONG THEIR COMMON CENTERLINE, OR WHEN IN A CORNER, 9 INCHES MINIMUM EACH WAY FROM THE ADJACENT WALL
6. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPES (INCLUDING EXIT SIGNS), SWITCHING AND CIRCUITING
7. SMOKE DETECTION SYSTEMS, INCLUDING VISUAL AND AUDIBLE WARNING DEVICES (I.E. STROBES, SPEAKERS ETC.) ARE TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LIFE-SAFETY CODES, AND LOCAL FIRE DEPARTMENT REQUIREMENTS. REFER TO ELECTRICAL SHEETS FOR TYPES AND LOCATIONS.
8. FIRE SUPPRESSION SYSTEMS ARE TO BE DESIGNED AND INSTALLED BY A LICENSED PROFESSIONAL AND SHALL ADHERE TO THE CRITERIA SET FORTH BY THE APPLICABLE CODE ENFORCEMENT AGENCIES AS WELL AS THE SPECIFICATIONS
9. THE CONTRACTOR IS TO VERIFY AND COORDINATE LOCATIONS OF ACCESS PANELS AND OTHER CEILING PENETRATING ITEMS NOT SHOWN ON THE REFLECTED CEILING PLANS. SHOULD A CONFLICT OCCUR, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND / OR ENGINEER PRIOR TO INSTALLATION.
10. IF UNFORSEEN CONDITIONS LIMIT THE PROPOSED CEILING HEIGHT AND / OR ABOVE CEILING SYSTEMS DESIGN, THE CONDITION IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH INSTALLATION.
11. ALL WINDOWS IN PHASE 2 OPERATIONS TO GET RS1 WINDOW SHADES/ SINGLE 5% OPEN ECOVEL AS BASE PRODUCT, MANUAL CONTROL

SHEET KEYNOTES

TRUE NORTH



A5 PHASE 01 - MAINTENANCE FACILITY - LEVEL 02
1/8" = 1'-0"

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Plan
04/15/2024 10:43:46 AM



Project Manager	Patrick Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Eddleman-Health
Civil Engineer	Abhay Khaire
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By	Author	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
**MAINTENANCE
FACILITY - LEVEL 03
(PARKING) - PHASE 01**

Sheet Number
AC-109

Project Status
SCHEMATIC DESIGN DRAWINGS

RCP LEGEND

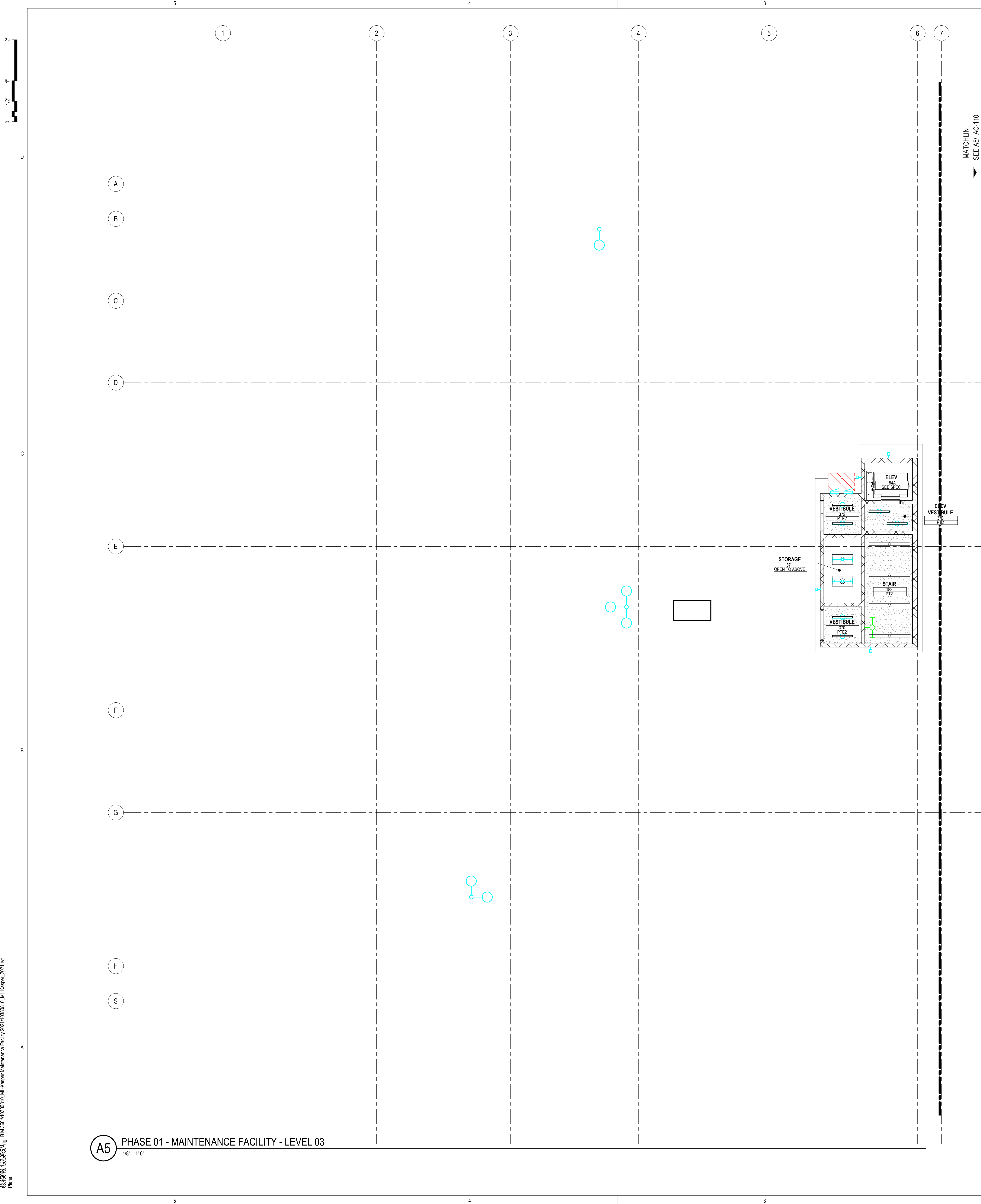
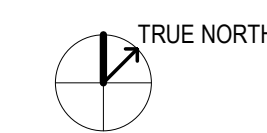
- 2X2 ACOUSTIC CEILING
- 2X4X60 ACOUSTIC CEILING
- GYPSUM BOARD
- 9X36 LINEAR METAL PLANK CEILING TILE
- CEILING CLOUD
- 2X4 RECESSED LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE - HIGH BAY
- LINEAR RECESSED LIGHT
- CAN LIGHT
- SUSPENDED LINEAR LIGHT
- SUSPENDED ROUND LIGHT
- SUSPENDED STRIP LIGHT
- EXHAUST
- WALL SCONCE
- EXIT SIGN

WIP

RCP GENERAL NOTES

1. ALL ACT2 CEILINGS ARE TO BE 10'-0" A.F.F. U.N.O., ALL GWB CEILING ARE TO BE 9'-0" U.N.O.
2. REFER TO "F" SERIES DRAWINGS FOR ADDITIONAL CEILING AND ROOM FINISH INFORMATION ALL GYP. SOFFITS AND BULKHEADS SHALL BE PAINTED PT2E U.N.O.
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11. ALL WINDOWS IN PHASE 2 OPERATIONS TO GET RS1 WINDOW SHADES/ SINGLE 5% OPEN ECOVEIL AS BASE PRODUCT, MANUAL CONTROL

SHEET KEYNOTES



A5 PHASE 01 - MAINTENANCE FACILITY - LEVEL 03
1/8" = 1'-0"

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager Patrick Glowacki
Project Designer Katherine Dudzik Smith
Project Architect Rachel McAdoo
Landscape Architect Claire Edelman-Health
Civil Engineer Abhay Khairi
Structural Engineer Chad Stippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbin Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Drawn By NMT

MARK	DATE	DESCRIPTION
	03.19.2024	SITE PLAN SUBMISSION
	04.15.2024	SD DRAWINGS

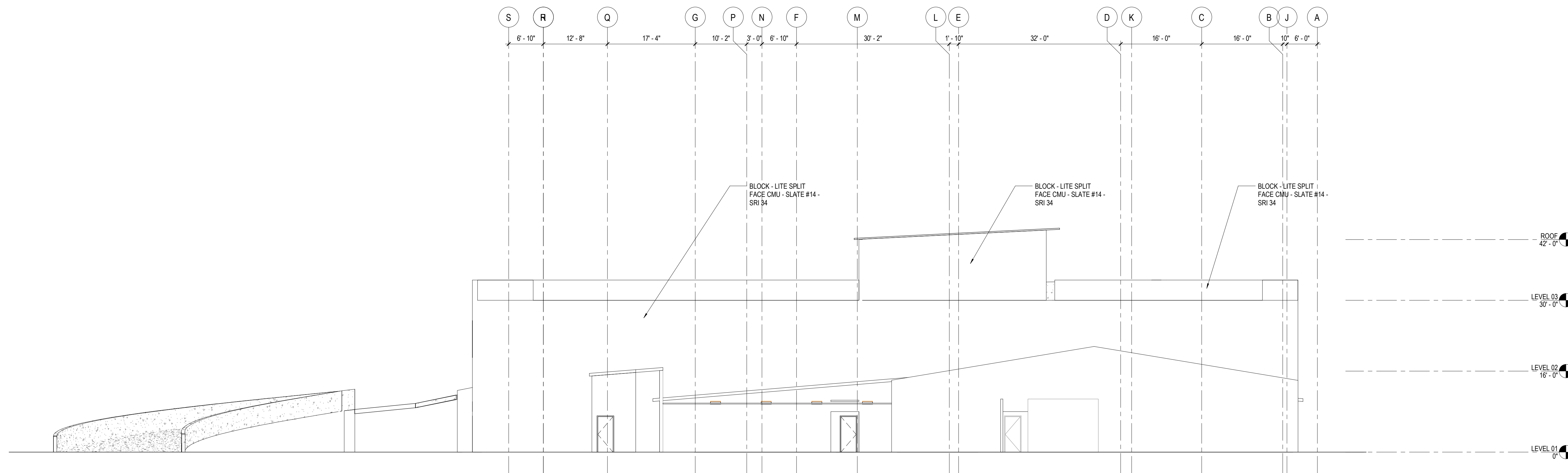
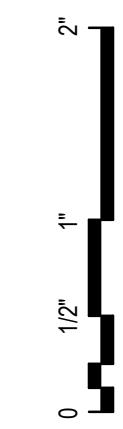
Project Number 10380810
Original Issue 04/15/2024

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NOT FOR CONSTRUCTION

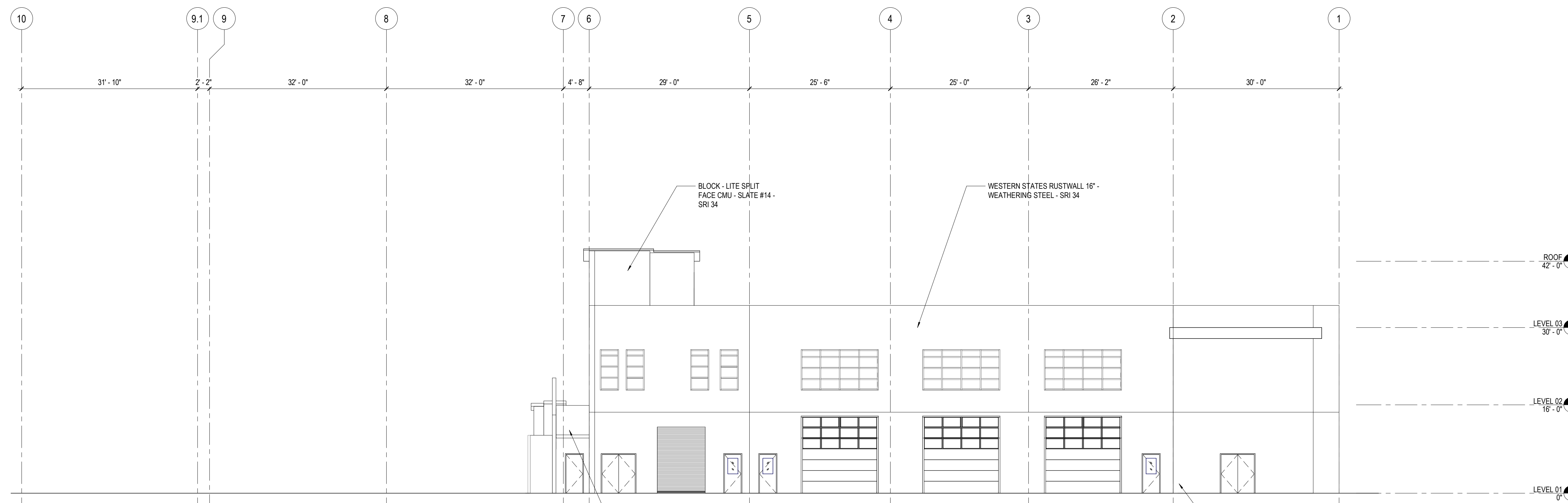
Sheet Name
EXTERIOR ELEVATIONS - PHASE 01

Sheet Number
A-210

Project Status
SCHEMATIC DESIGN DRAWINGS



C5 EAST ELEVATION - PHASE 01 WITH EXISTING BUILDING
3/32" = 1'-0"



A5 NORTH ELEVATION - PHASE 01 WITH EXISTING BUILDING
3/32" = 1'-0"



Project Manager: Patrick Glowacki
Project Designer: Katherine Dudzik Smith
Project Architect: Rachel McAdoo
Landscape Architect: Claire Edelman-Health
Civil Engineer: Abhay Khairi
Structural Engineer: Chad Stippel
Mechanical Engineer: Brett McQuillan
Electrical Engineer: Stephen Bowcock
Plumbing Engineer: Robbie Ramey
Interior Designer: Jessi Levin
Equipment Planner: Ken Booth
Wayfinding: [blank]

Drawn By: NMT

MARK	DATE	DESCRIPTION
	03.19.2024	SITE PLAN SUBMISSION
	04.15.2024	SD DRAWINGS

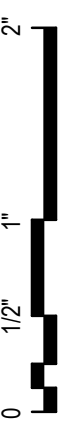
Project Number: 10380810
Original Issue: 04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
EXTERIOR ELEVATIONS - PHASE 01
01

Sheet Number
A-211

Project Status
SCHEMATIC DESIGN DRAWINGS



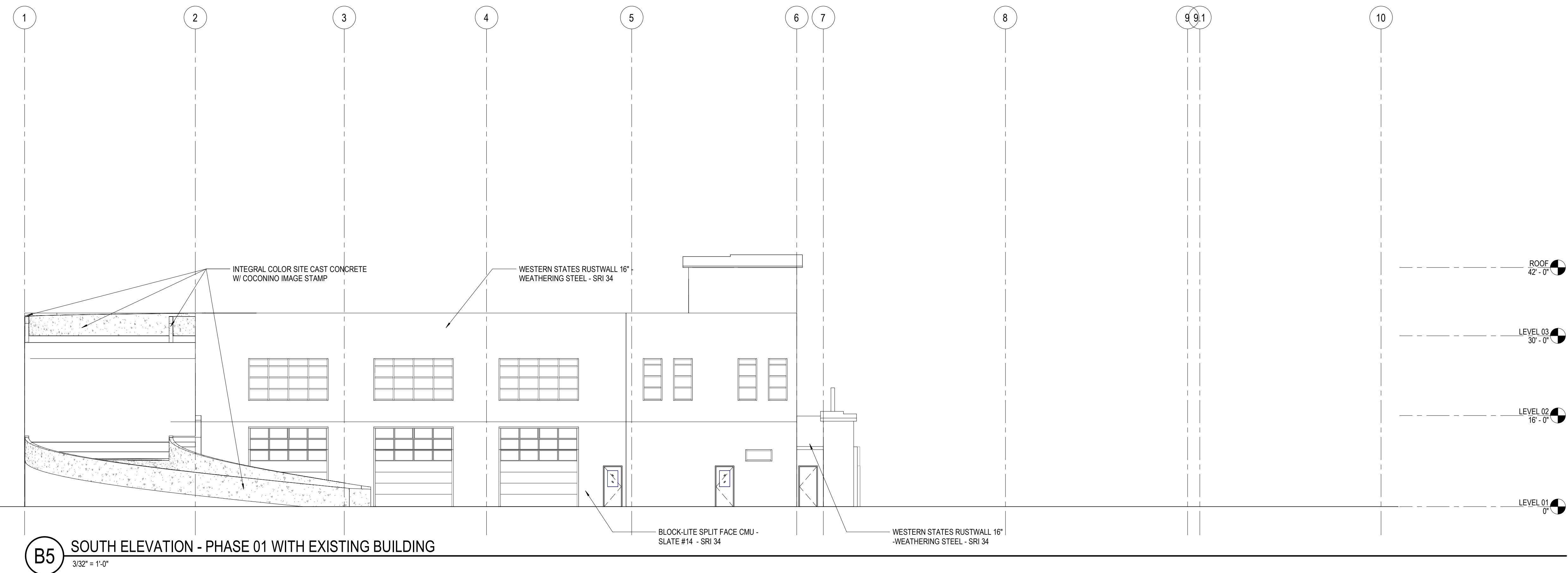
D

C

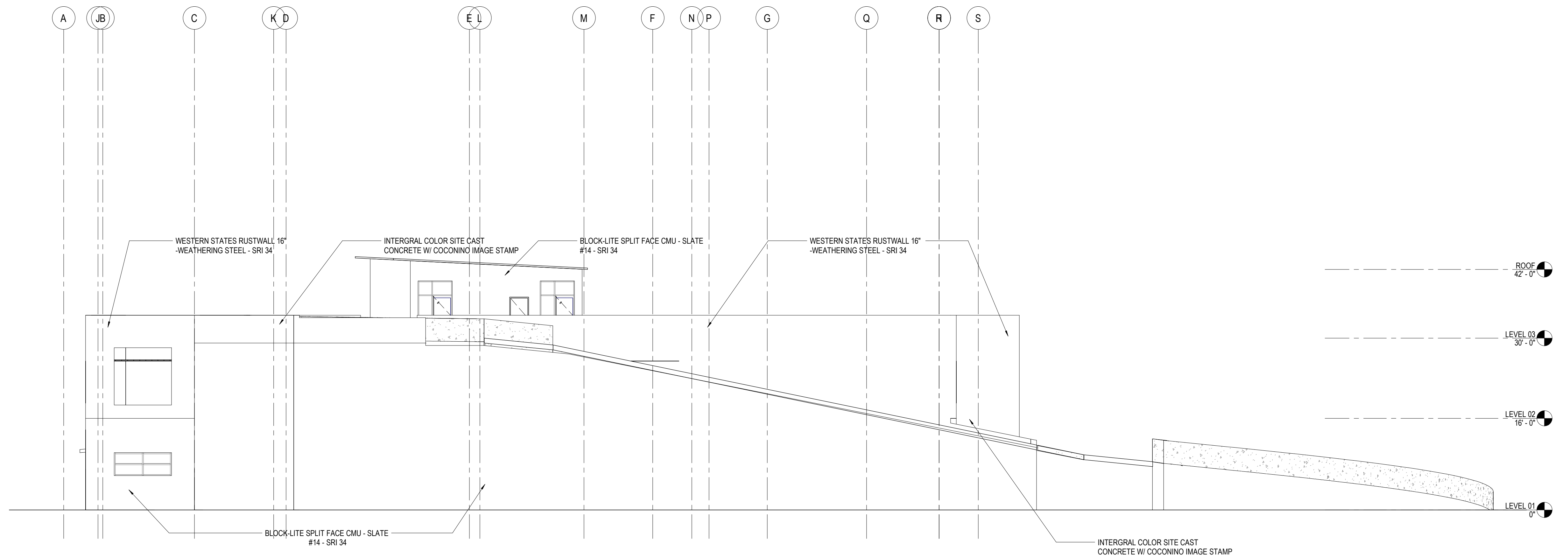
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A

4/15/2024 4:12:23 PM BH 380/10380810_Mt.Kasper_Maintenance Facility 2021/10380810_Mt_Kasper_2021.rvt
 Elevation



B5 SOUTH ELEVATION - PHASE 01 WITH EXISTING BUILDING
3/32" = 1'-0"



A5 WEST ELEVATION - PHASE 01 WITH EXISTING BUILDING
3/32" = 1'-0"

5

4

3

2

1



- Project Manager: Patrick Glowacki
- Project Designer: Katherine Dutzik Smith
- Project Architect: Rachel McAdoo
- Landscape Architect: Claire Edelman-Health
- Civil Engineer: Abhay Khaira
- Structural Engineer: Chad Sippel
- Mechanical Engineer: Brett McQuillan
- Electrical Engineer: Stephen Bowcock
- Plumbing Engineer: Robbie Ramey
- Interior Designer: Jessi Levin
- Equipment Planner: Ken Booth
- Wayfinding: [blank]

Drawn By: NMT

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

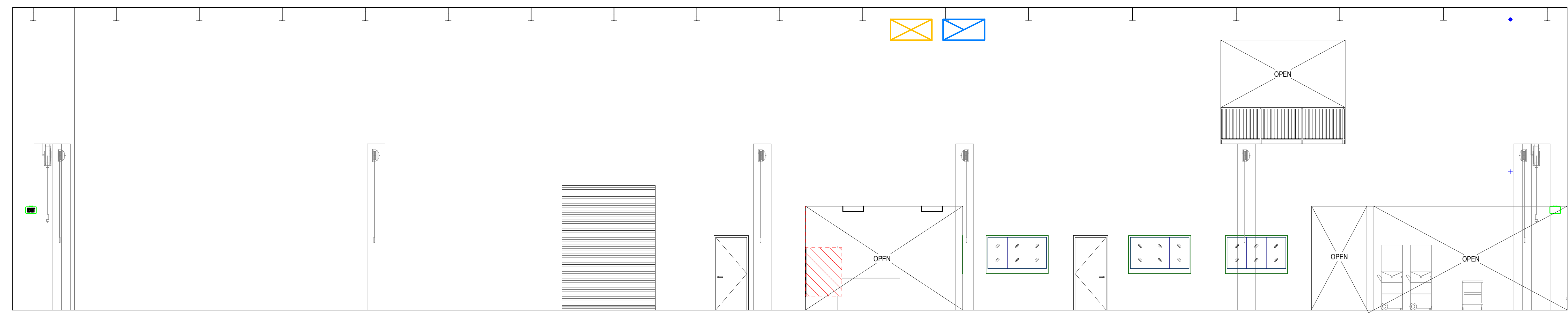
Project Number: 10380810
Original Issue: 04/15/2024

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NOT FOR CONSTRUCTION

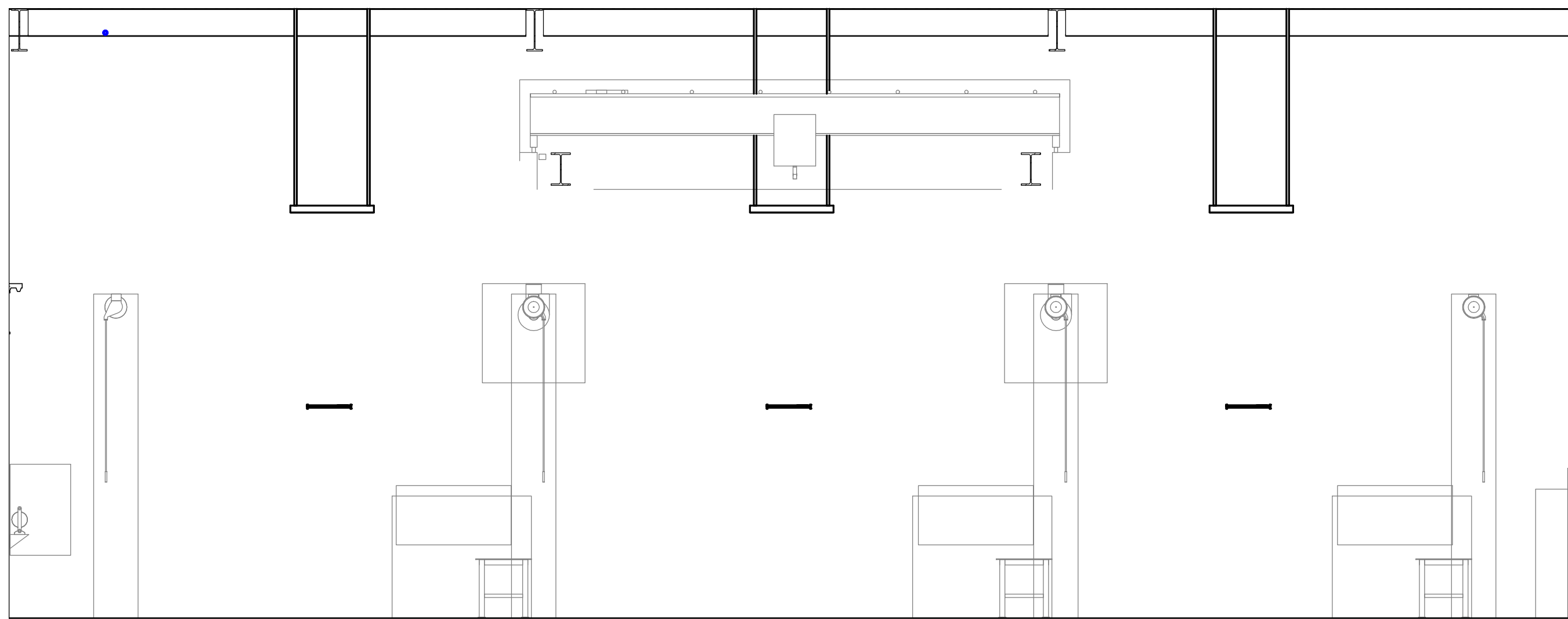
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INTERIOR ELEVATIONS - MAINTENANCE FACILITY - PHASE 01

Sheet Number
A-251

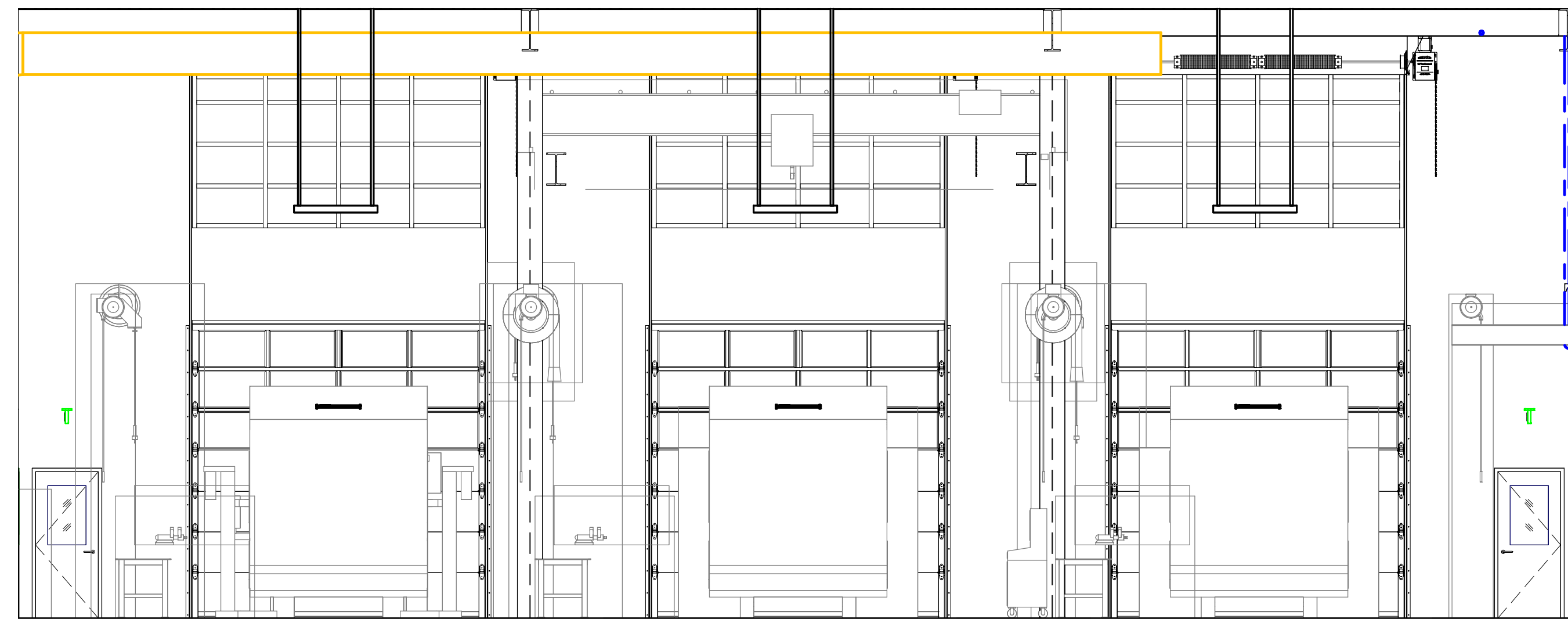
Project Status
SCHEMATIC DESIGN DRAWINGS



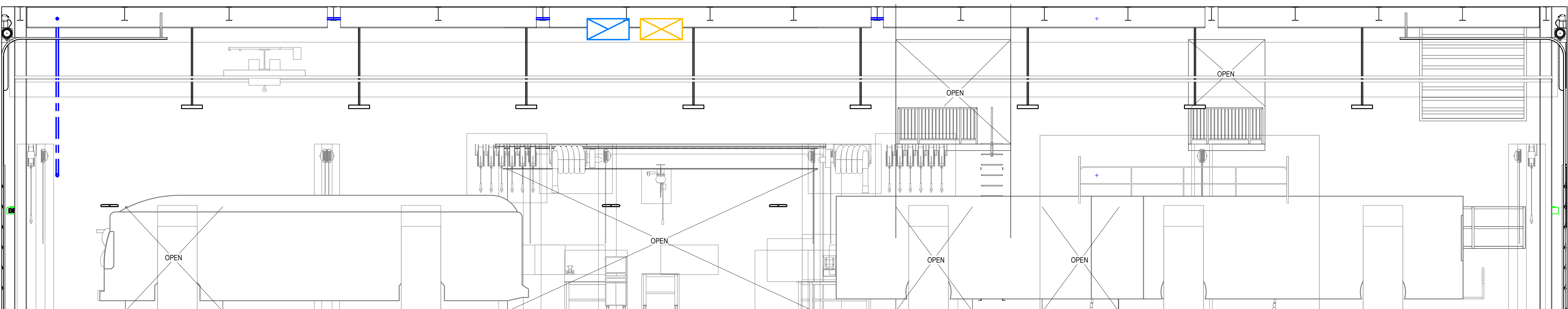
C5 MAINTENANCE FACILITY ELEVATION - B
3/16" = 1'-0"



B5 MAINTENANCE FACILITY ELEVATION - A
3/16" = 1'-0"

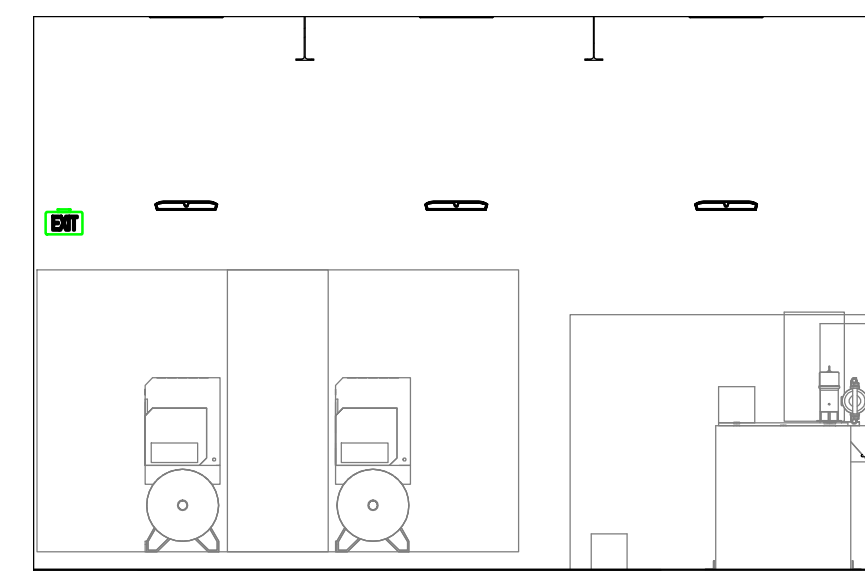


B3 MAINTENANCE FACILITY - C
3/16" = 1'-0"

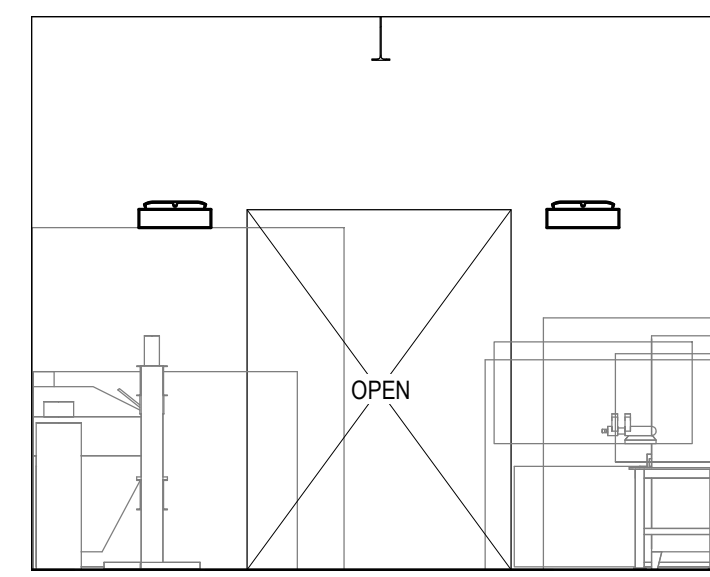


A5 MAINTENANCE FACILITY - D
3/16" = 1'-0"

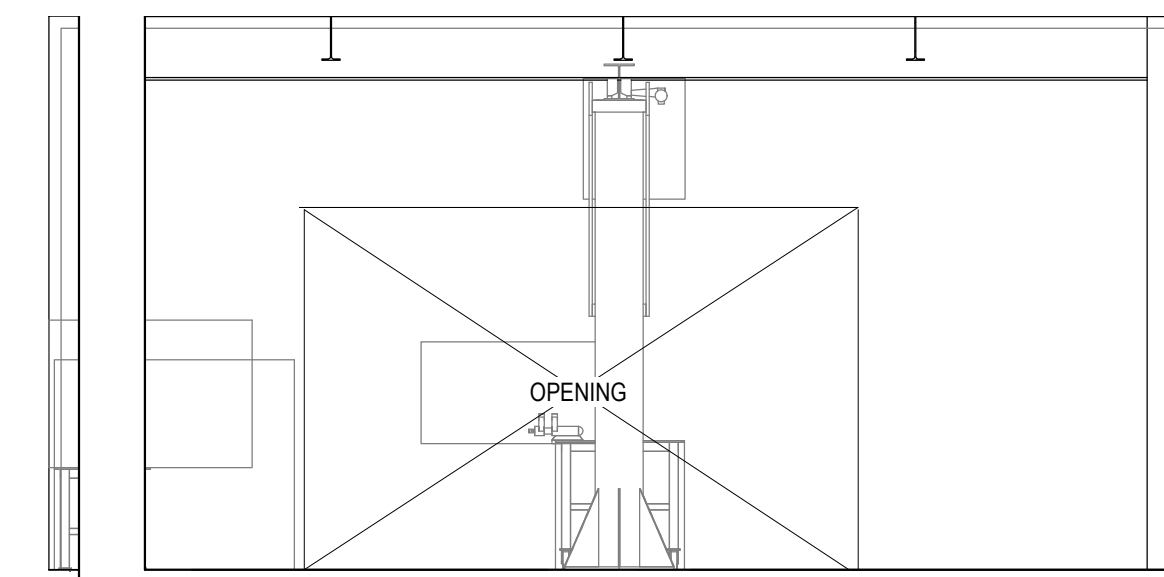
2
0 1/2' 1' 0'



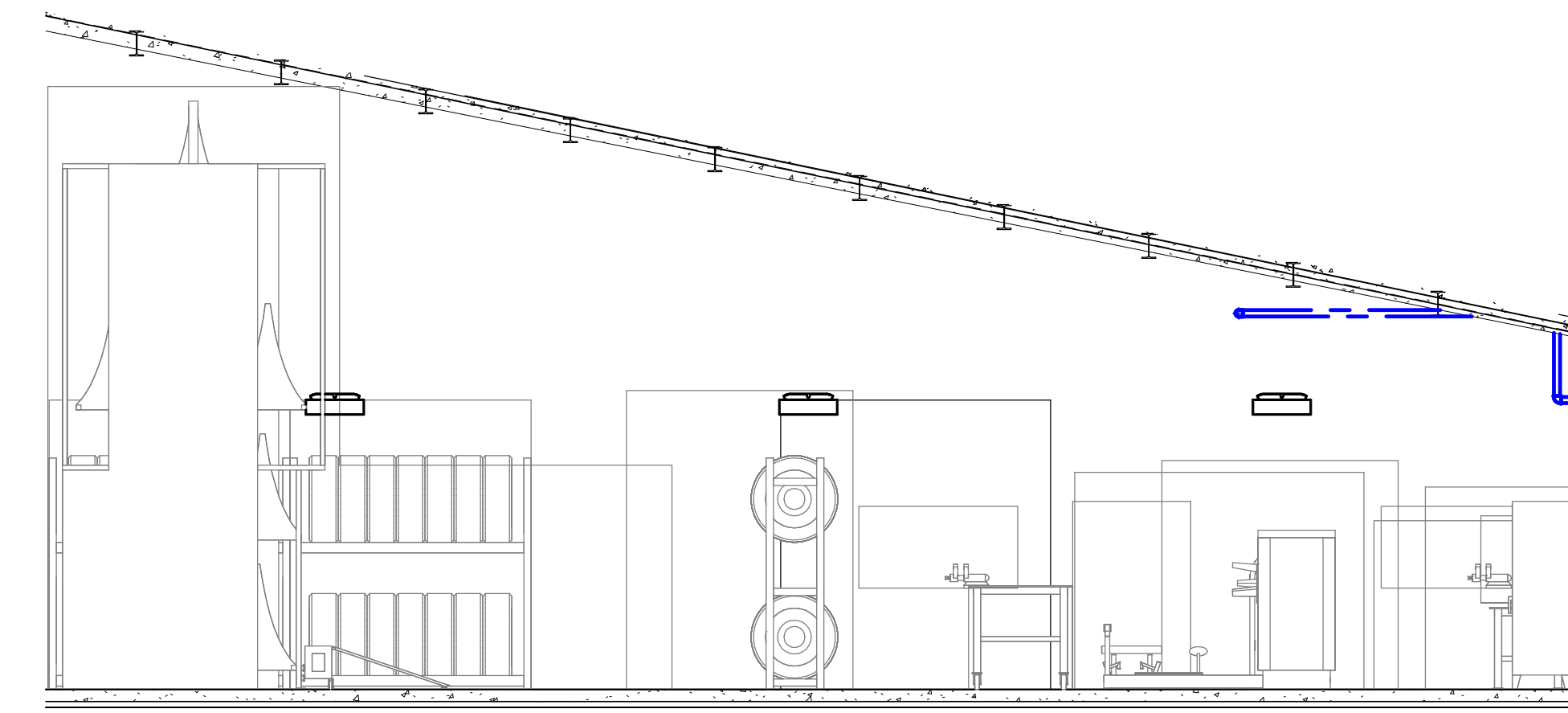
D5 FLUID ROOM ELEVATION - D
3/16" = 1'-0"



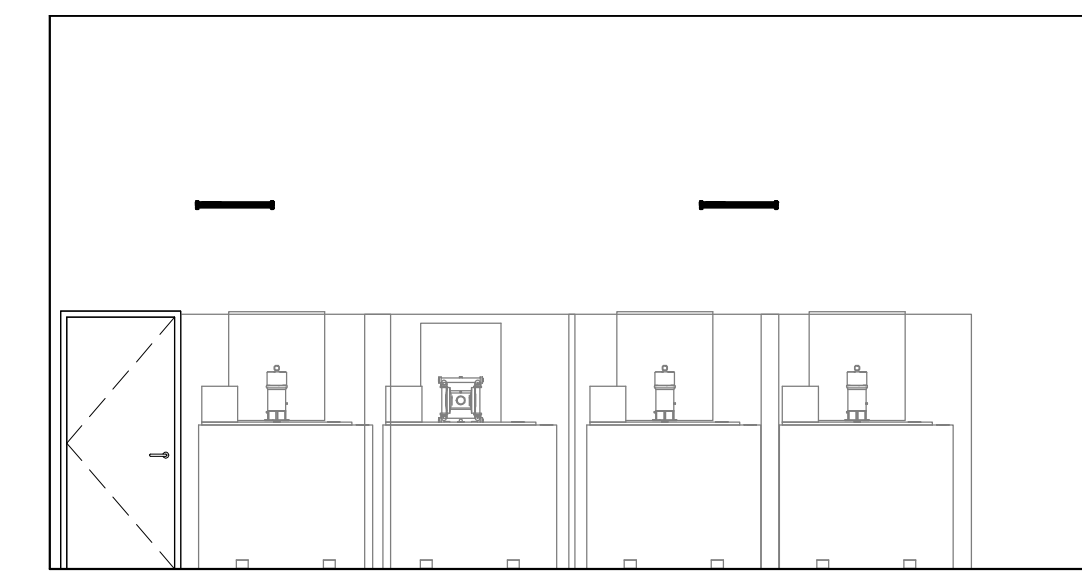
D4 COMMON WORK AREA ELEVATION - D
3/16" = 1'-0"



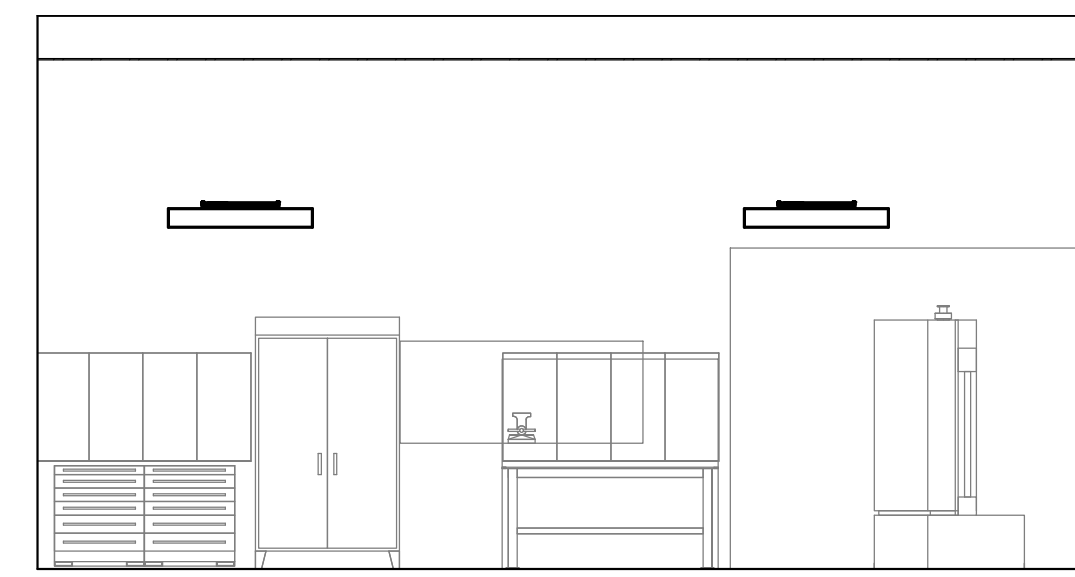
D3 REBUILD AND WELDING ELEVATION - D
3/16" = 1'-0"



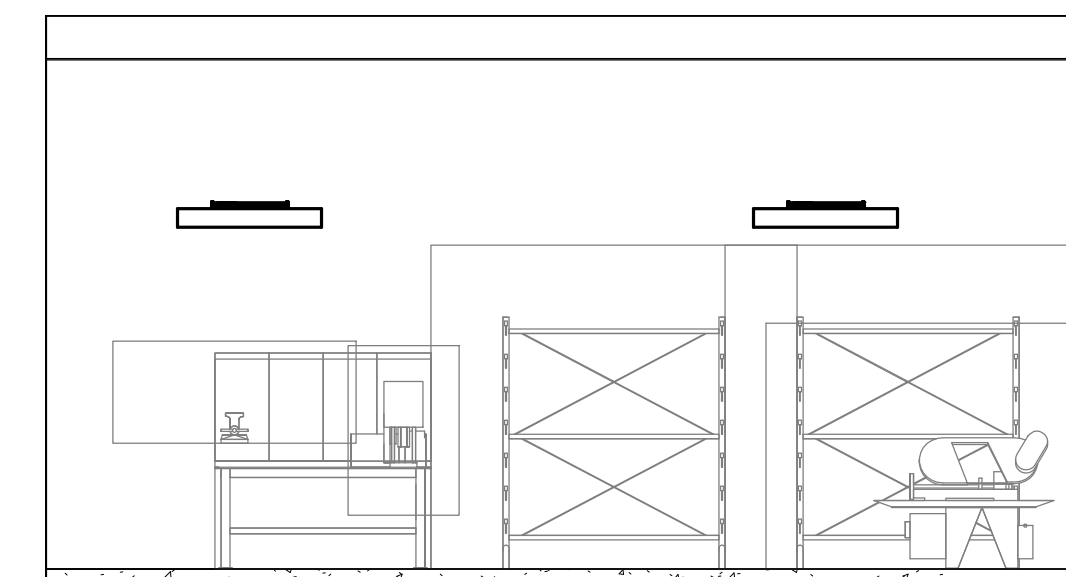
D2 TIRE AREA ELEVATION - D
3/16" = 1'-0"



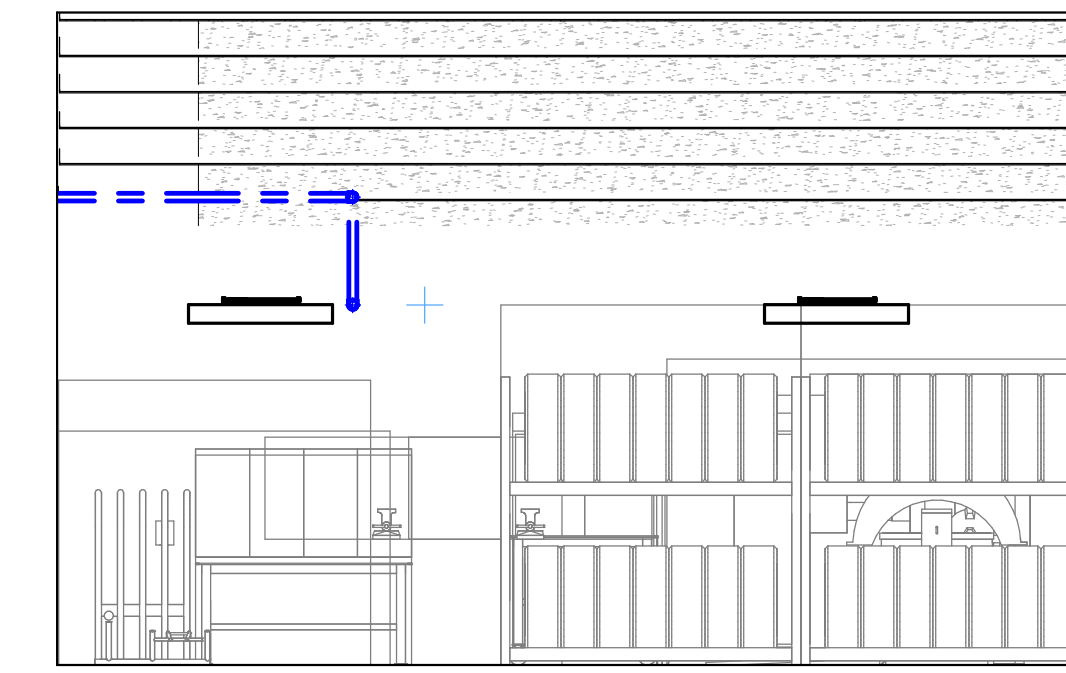
C5 FLUID ROOM ELEVATION - C
3/16" = 1'-0"



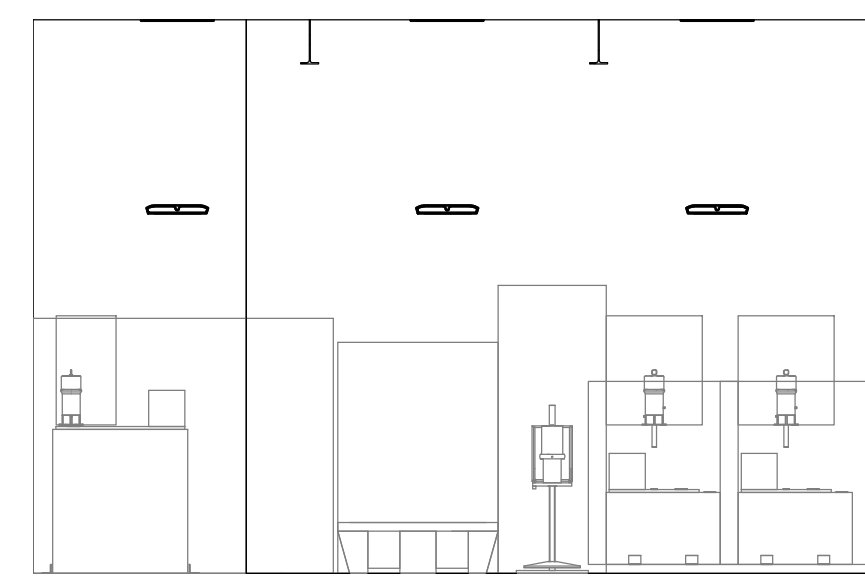
C4 COMMON WORK AREA ELEVATION - B
3/16" = 1'-0"



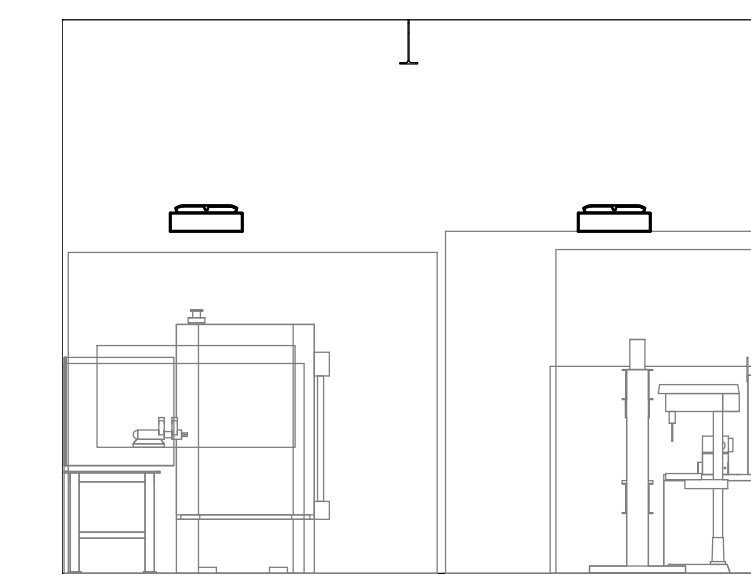
C3 REBUILD AND WELDING ELEVATION - C
3/16" = 1'-0"



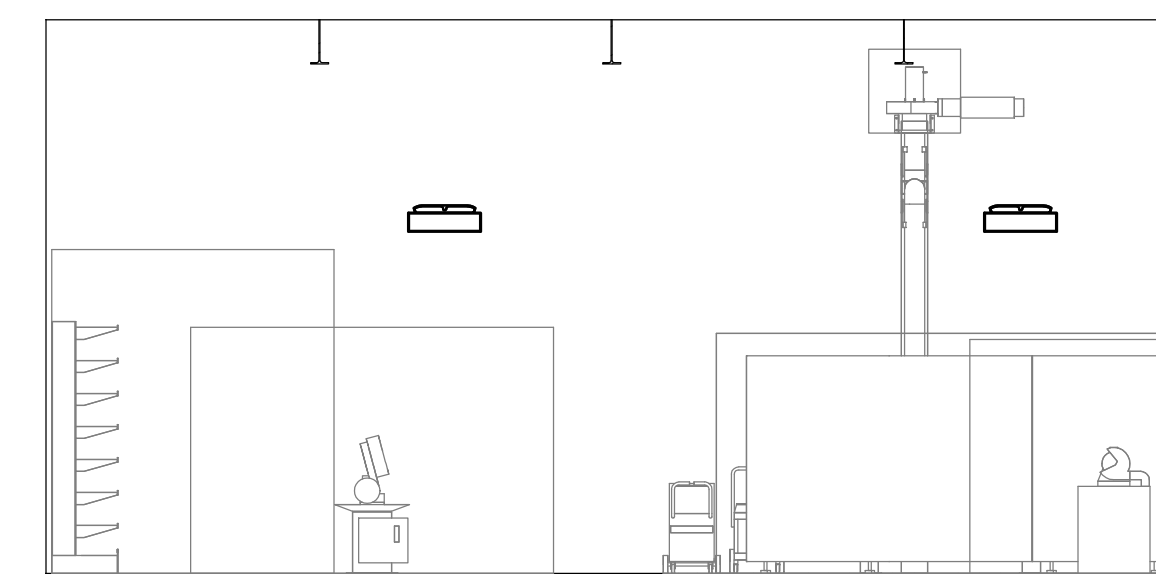
C2 TIRE AREA ELEVATION - C
3/16" = 1'-0"



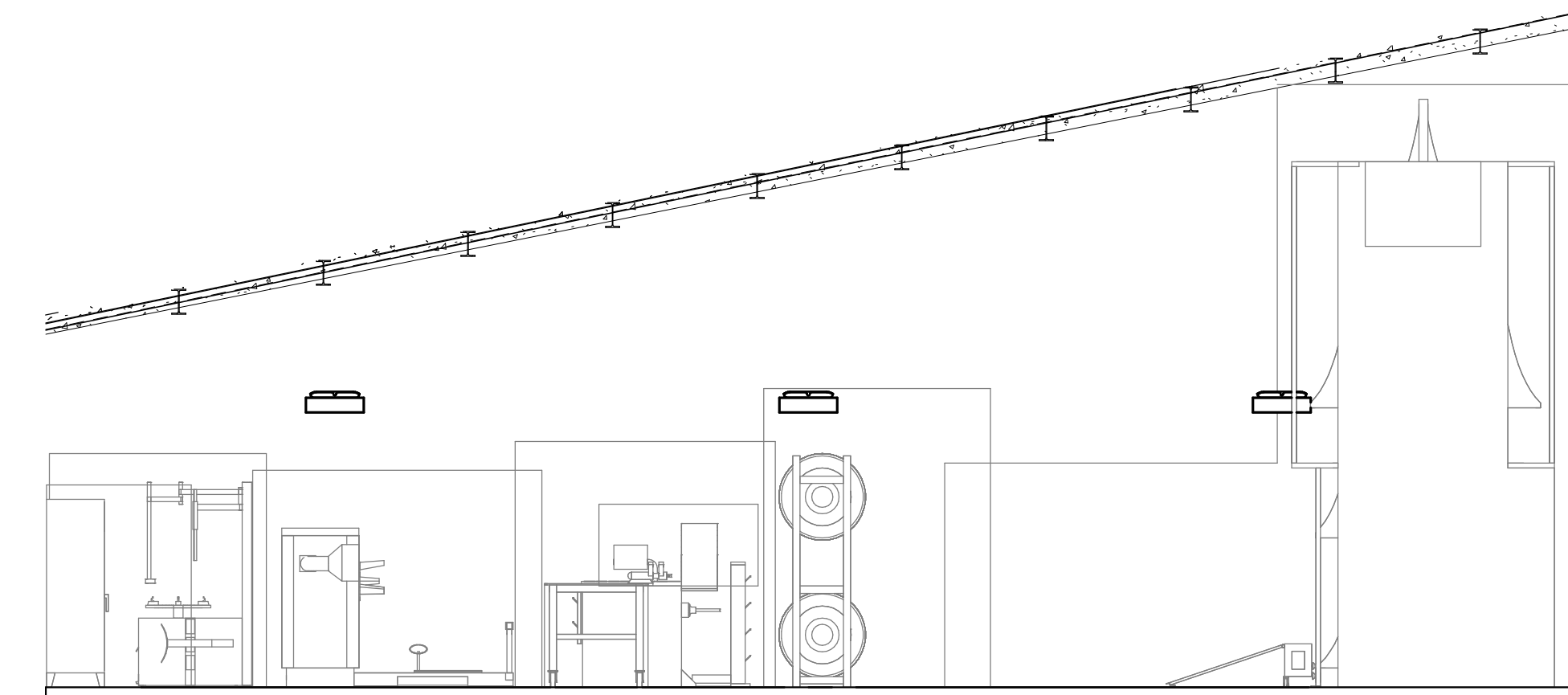
B5 FLUID ROOM ELEVATION - B
3/16" = 1'-0"



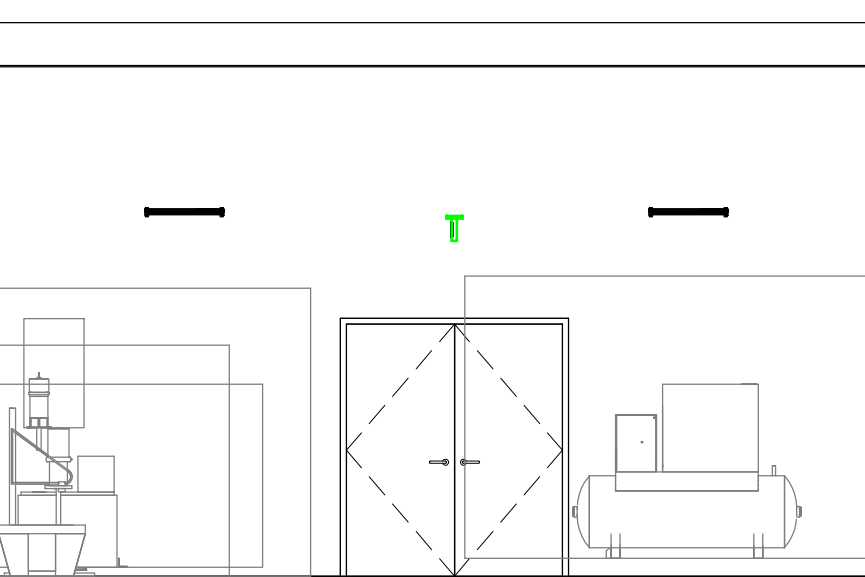
B4 COMMON WORK AREA ELEVATION - C
3/16" = 1'-0"



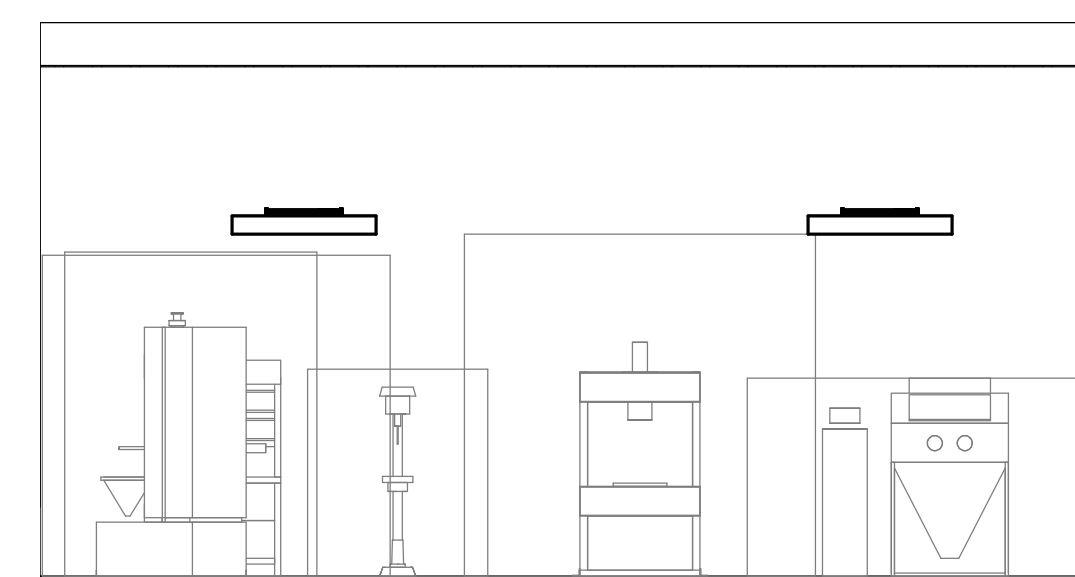
B3 REBUILD AND WELDING ELEVATION - B
3/16" = 1'-0"



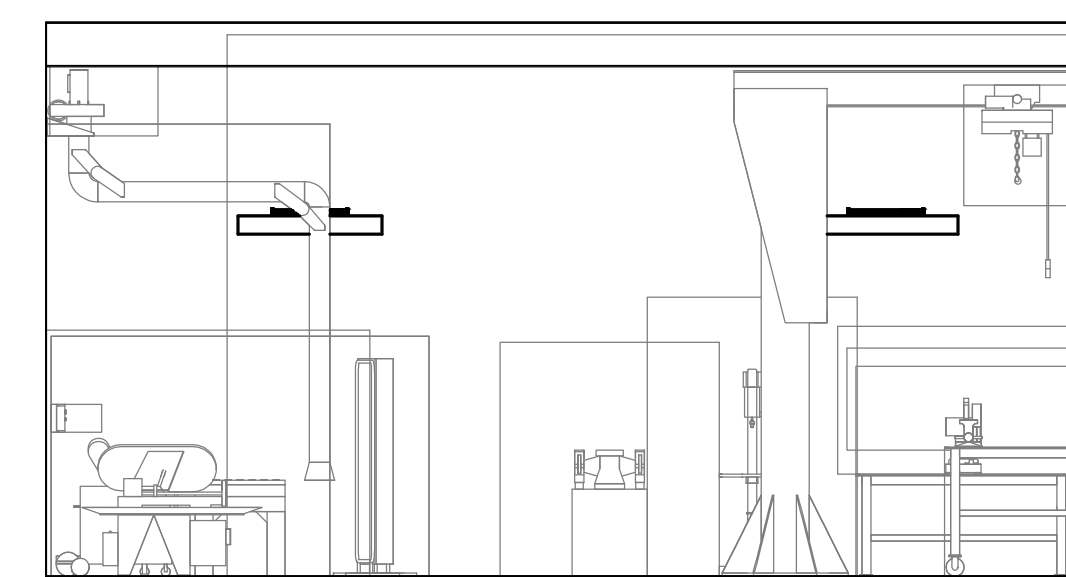
B2 TIRE AREA ELEVATION - B
3/16" = 1'-0"



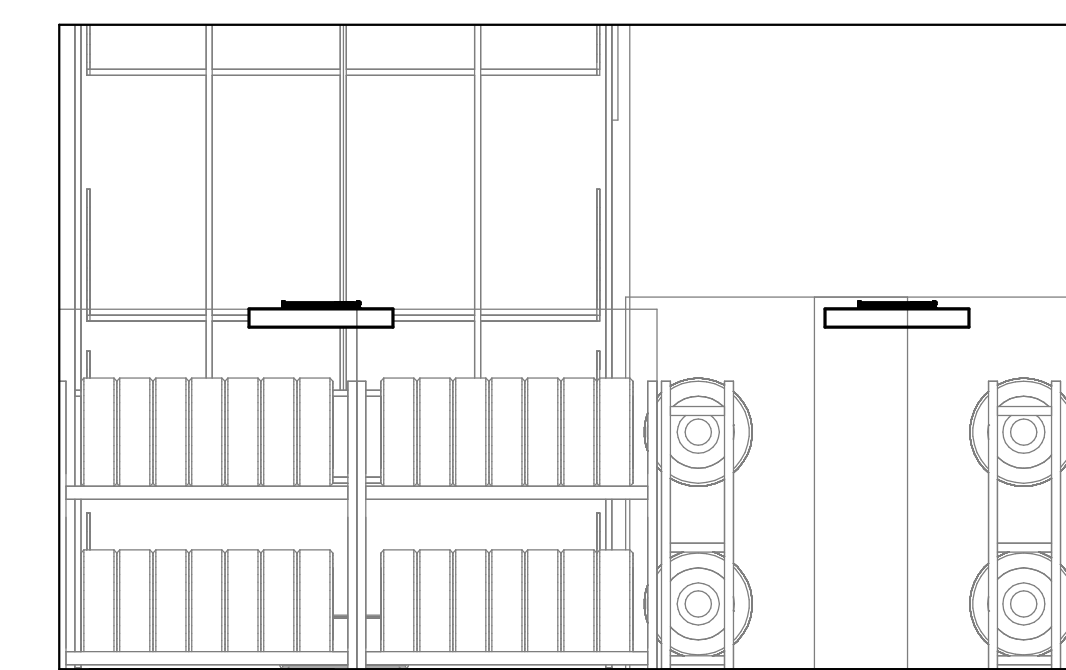
A5 FLUID ROOM ELEVATION - A
3/16" = 1'-0"



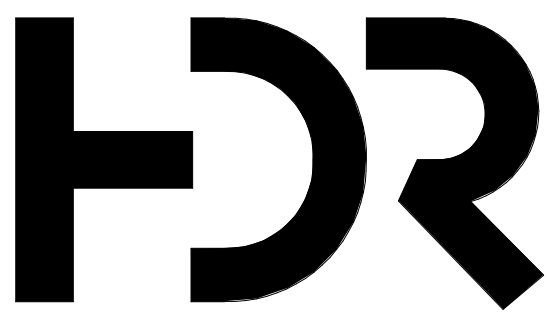
A4 COMMON WORK AREA ELEVATION - A
3/16" = 1'-0"



A3 REBUILD AND WELDING ELEVATION - A
3/16" = 1'-0"



A2 TIRE AREA ELEVATION - A
3/16" = 1'-0"



HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager Patrick Glowacki
Project Designer Katherine Dudzik Smith
Project Architect Rachel McAdoo
Landscape Architect Claire Edleman-Health
Civil Engineer Abhay Khaire
Structural Engineer Chad Sippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbie Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Drawn By NMT

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

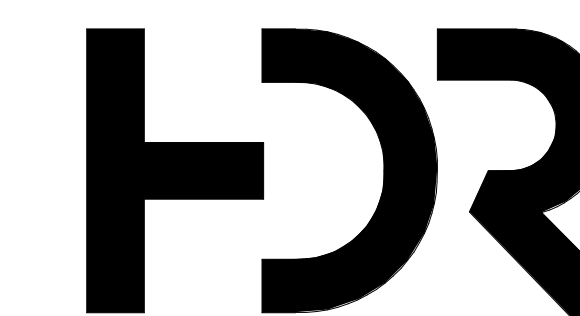
Sheet Name
INTERIOR ELEVATIONS - MAINTENANCE FACILITY - PHASE 01

Sheet Number

A-252

Project Status
SCHEMATIC DESIGN DRAWINGS

2
1' 1/2"
0



HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Abhay Khairi
Structural Engineer	Chad Stippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: NMT

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

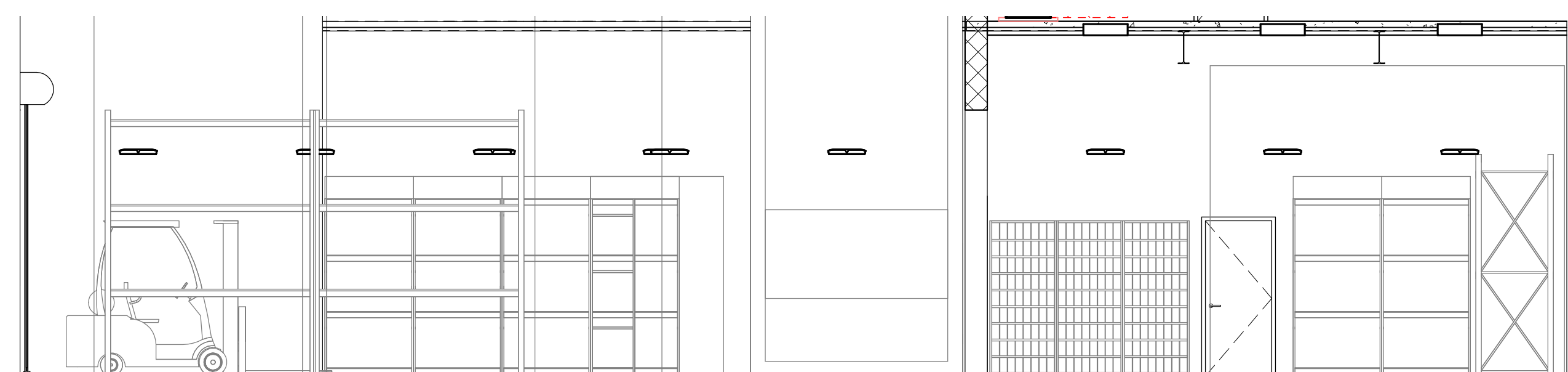
Project Number	10380810
Original Issue	04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

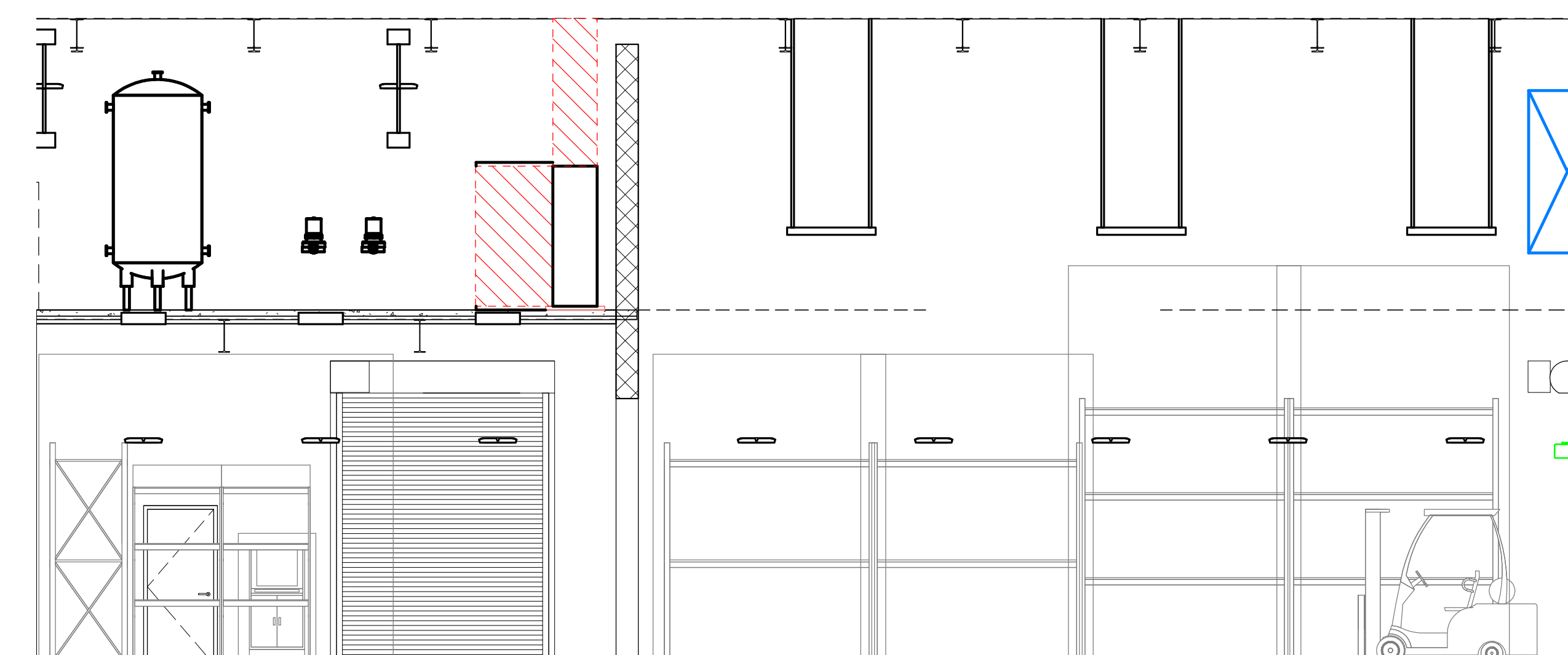
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**INTERIOR
ELEVATIONS -
MAINTENANCE
FACILITY - PHASE 01**

Sheet Number
A-253

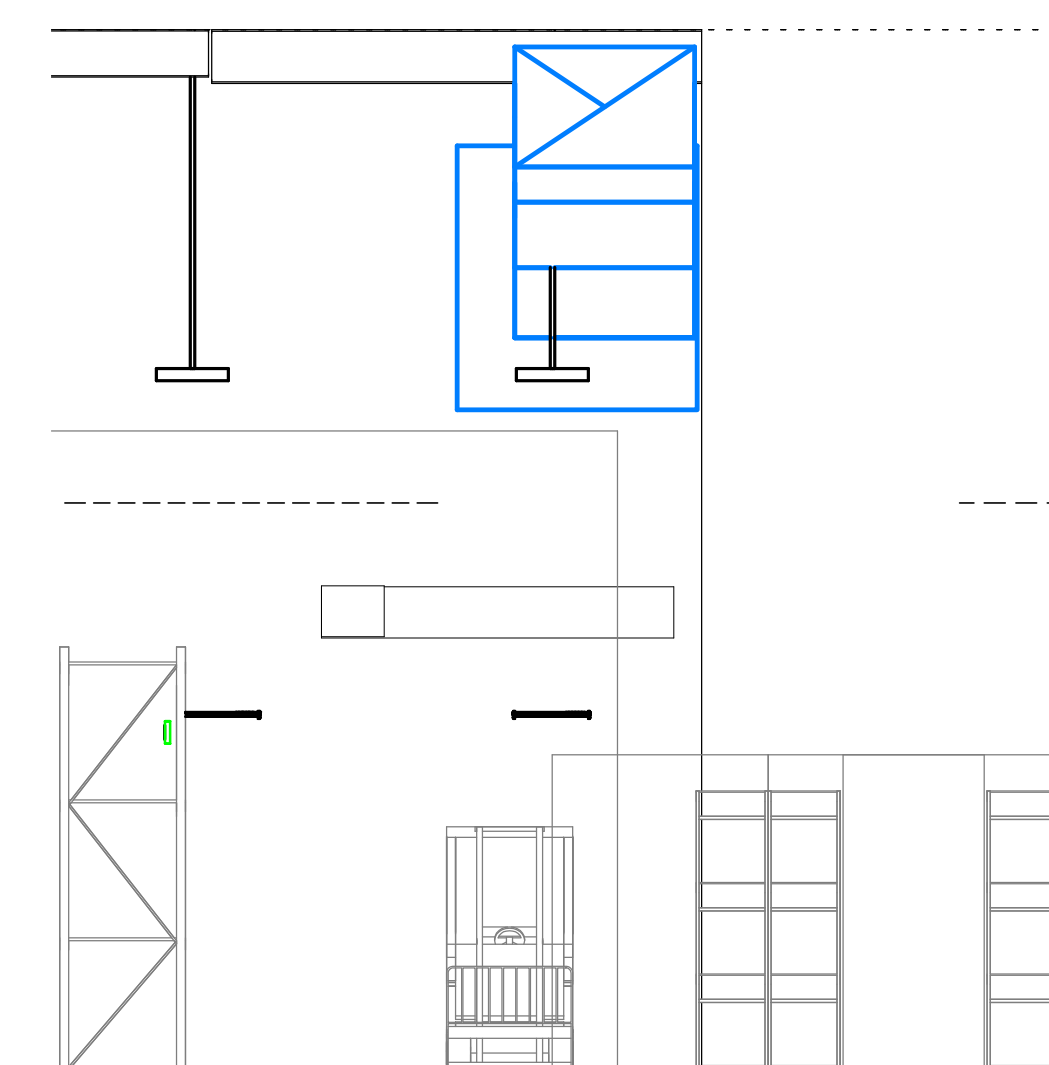
Project Status
SCHEMATIC DESIGN DRAWINGS



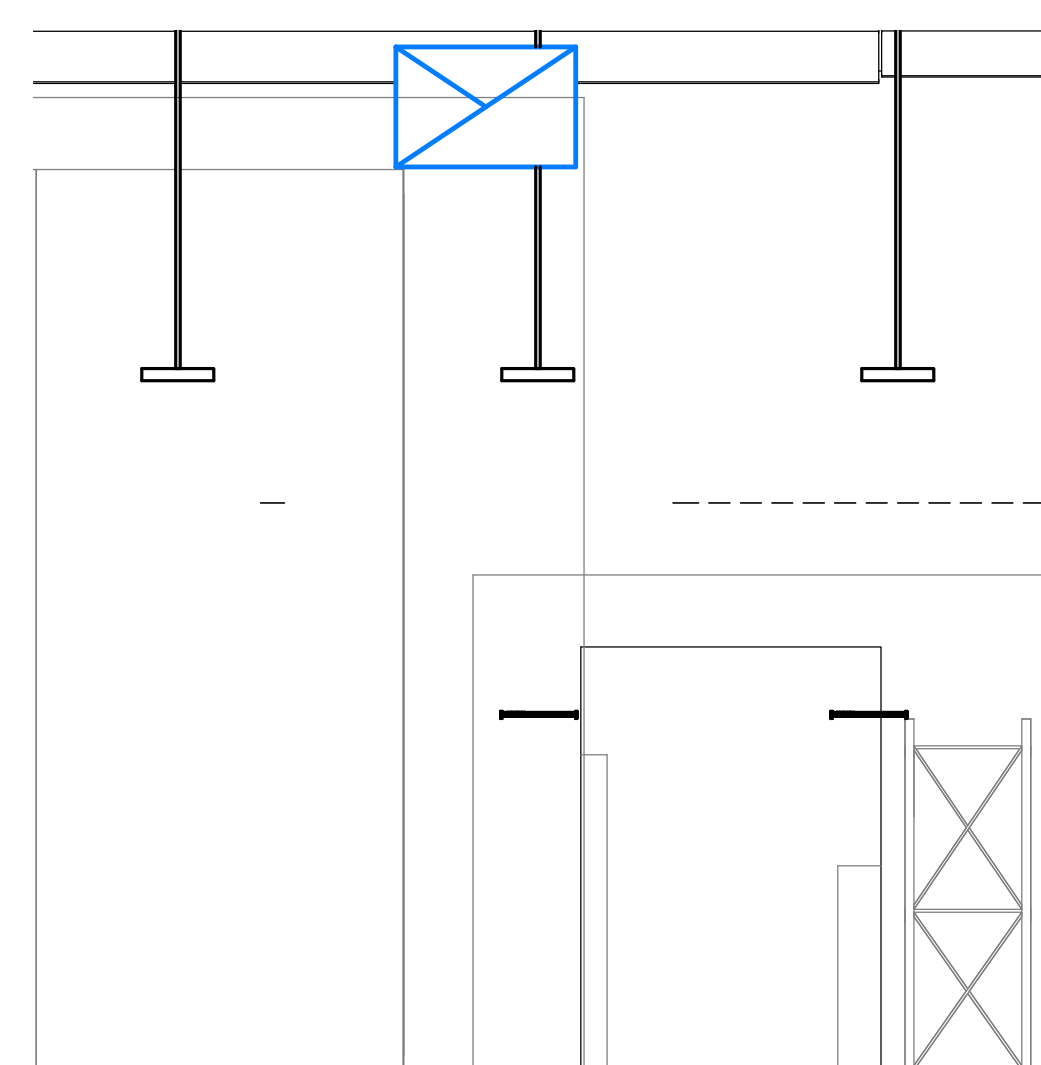
C5 PARTS ROOM ELEVATION - D
3/16" = 1'-0"



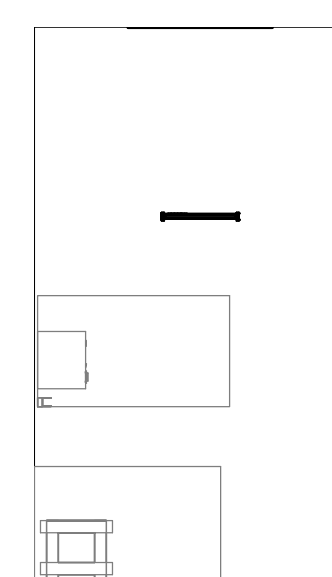
B5 PARTS ROOM ELEVATION - B
3/16" = 1'-0"



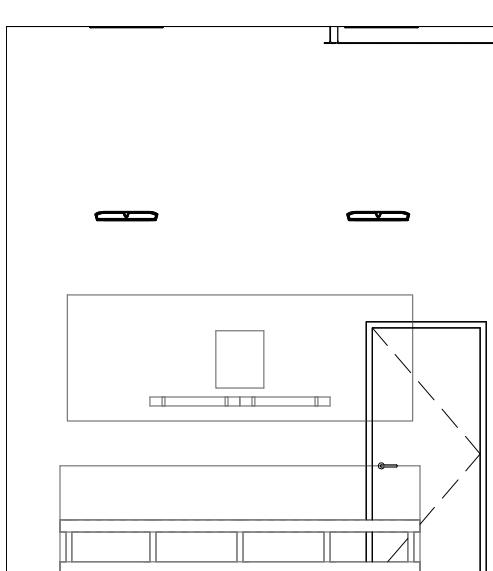
A5 PARTS ROOM ELEVATION - A
3/16" = 1'-0"



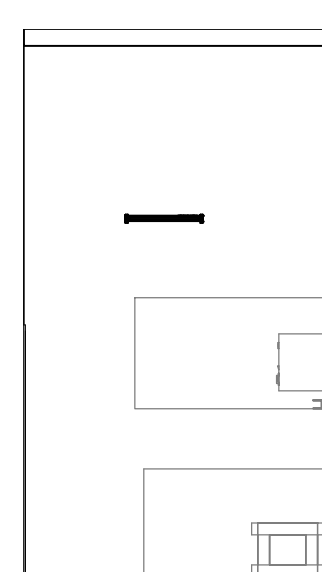
A4 PARTS ROOM ELEVATION - C
3/16" = 1'-0"



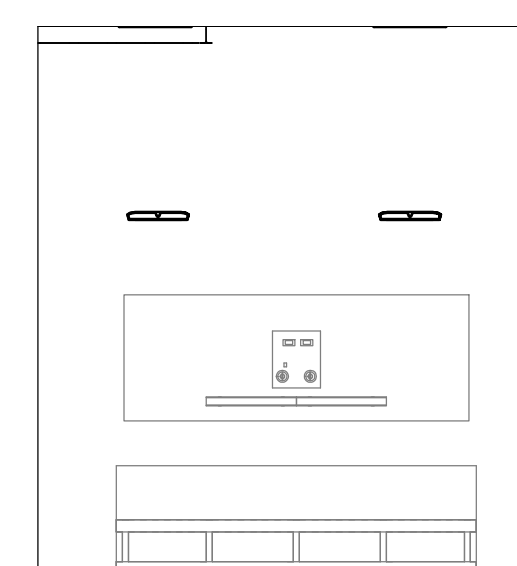
D3 12V BATTERY STOARGE ELEVATION - D
3/16" = 1'-0"



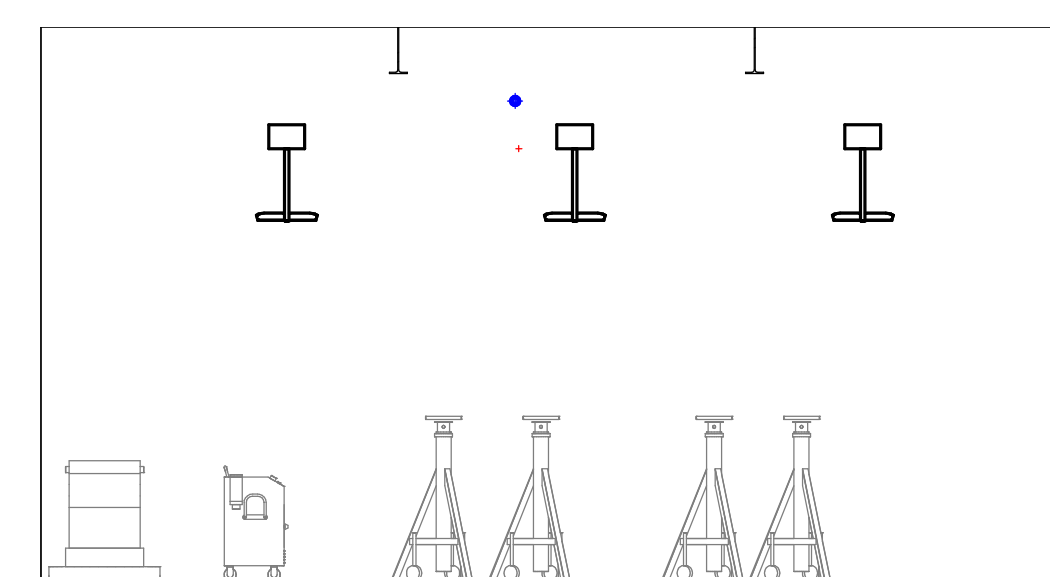
C3 12V BATTERY STOARGE ELEVATION - C
3/16" = 1'-0"



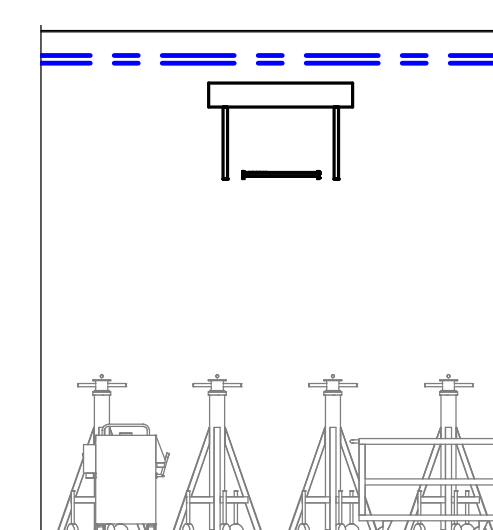
B3 12V BATTERY STOARGE ELEVATION - B
3/16" = 1'-0"



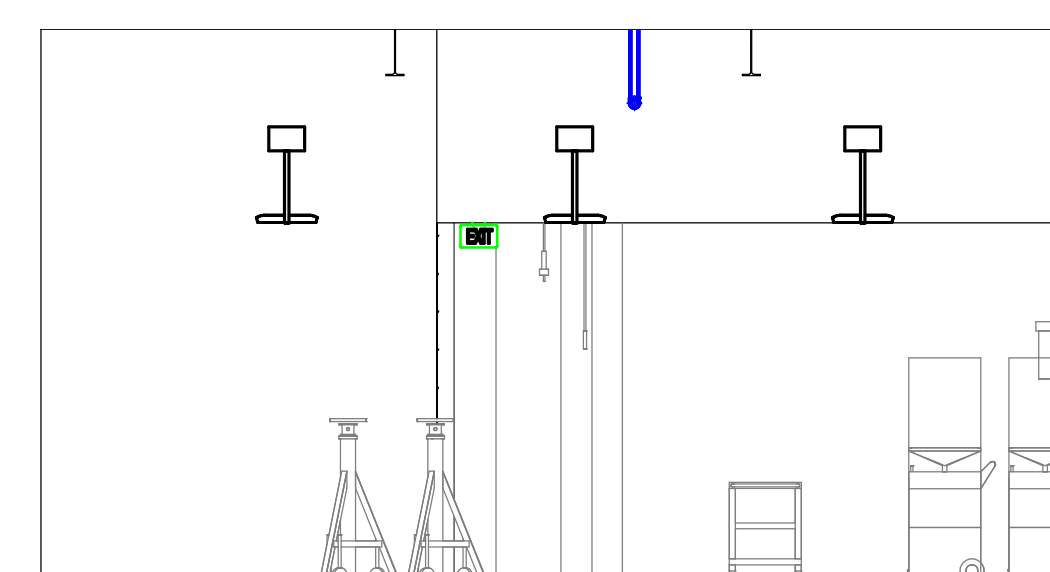
A3 12V BATTERY STOARGE ELEVATION - A
3/16" = 1'-0"



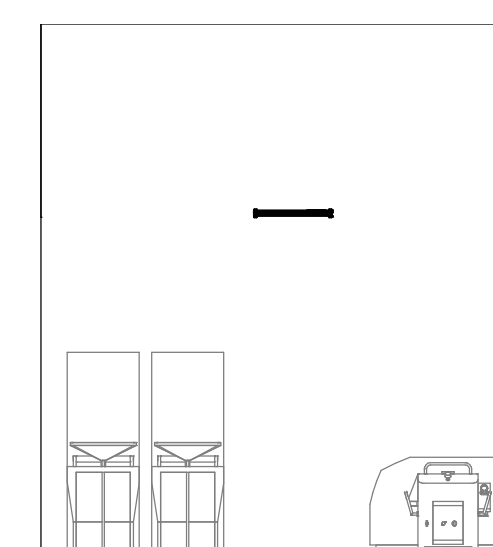
D2 PORT EQUP STORAGE ELEVATION - D
3/16" = 1'-0"



C2 PORT EQUP STORAGE ELEVATION - C
3/16" = 1'-0"



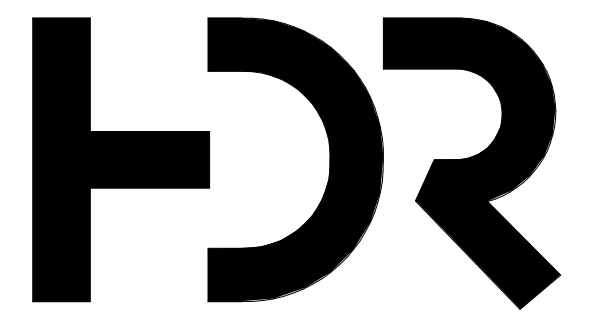
B2 PORT EQUP STORAGE ELEVATION - B
3/16" = 1'-0"



A2 PORT EQUP STORAGE ELEVATION - A
3/16" = 1'-0"

4/15/2024 4:13:55 PM BIM 360://10380810_Mt_Kasper_Maintenance_Facility_2021/10380810_Mt_Kasper_2024.rvt
Elevations

2
1
0 1/2



HDR Architecture
20 E Thomas Road
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Eddleman-Health
Civil Engineer	Abhay Khaira
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By	NMT	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/2024

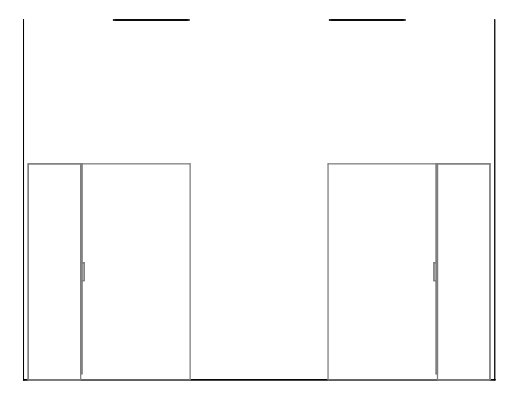
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NOT FOR CONSTRUCTION

Sheet Name
**INTERIOR
ELEVATIONS -
MAINTENANCE
FACILITY - PHASE 01**

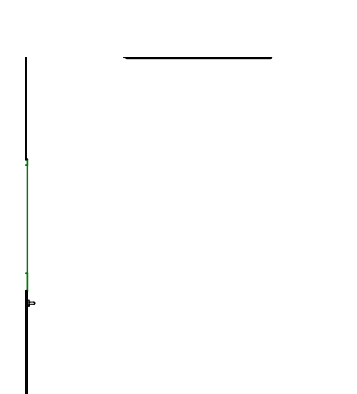
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A-254
Project Status
SCHEMATIC DESIGN DRAWINGS



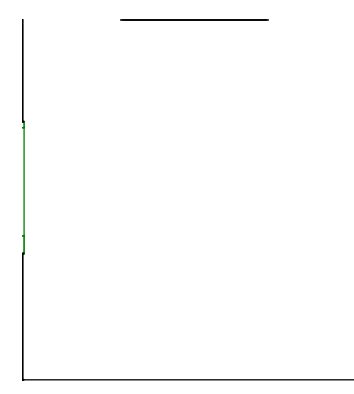
D5 LOCKER ROOM ELEVATION - D
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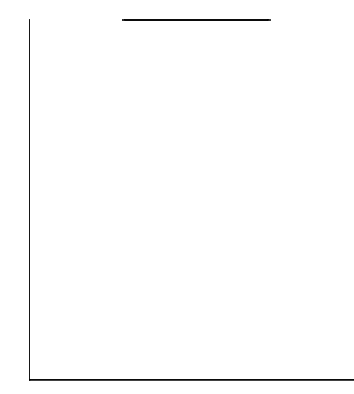
D4 MECH OFFICE & LIBRARY ELEVATION - D
3/16" = 1'-0"



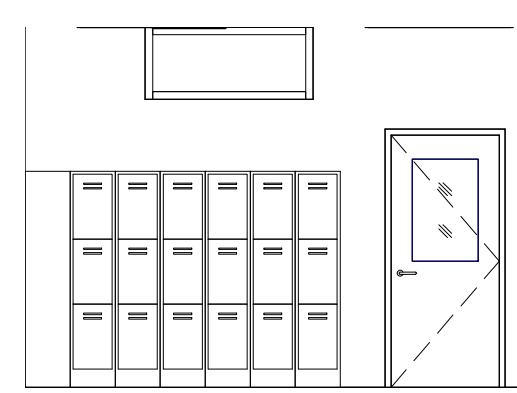
D3 SUPPLY OFFICE ELEVATION - D
3/16" = 1'-0"



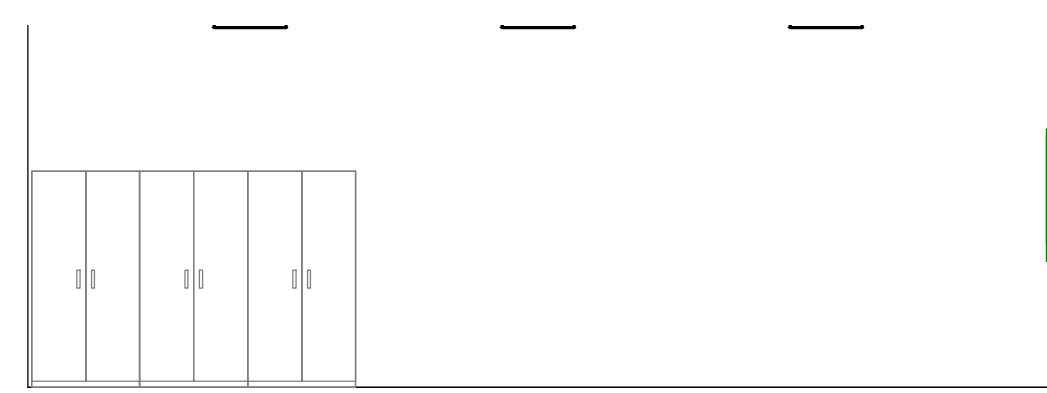
D2 MGR OFFICE ELEVATION - D
3/16" = 1'-0"



D1 SUPPLY ROOM ELEVATION 02 - D
3/16" = 1'-0"



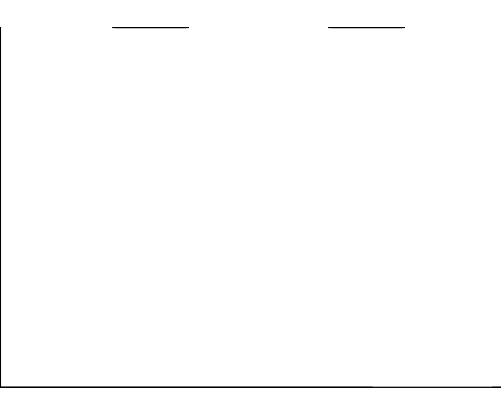
C5 LOCKER ROOM ELEVATION - C
3/16" = 1'-0"



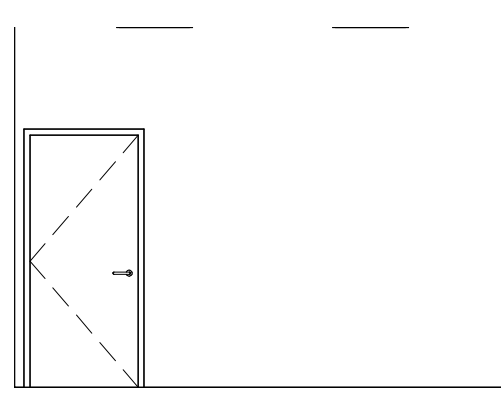
C4 MECH OFFICE & LIBRARY ELEVATION - C
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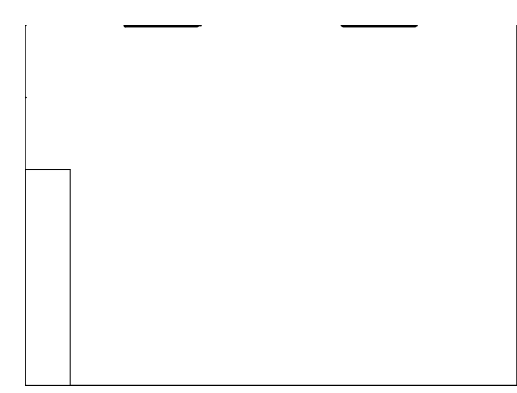
C3 SUPPLY OFFICE ELEVATION - C
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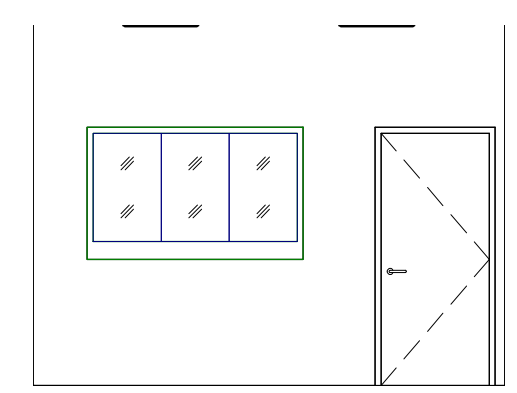
C2 MGR OFFICE ELEVATION - C
3/16" = 1'-0"



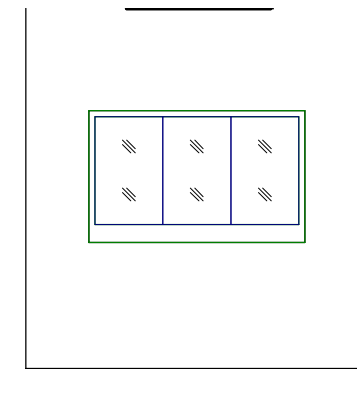
C1 SUPPLY ROOM ELEVATION 02 - C
3/16" = 1'-0"



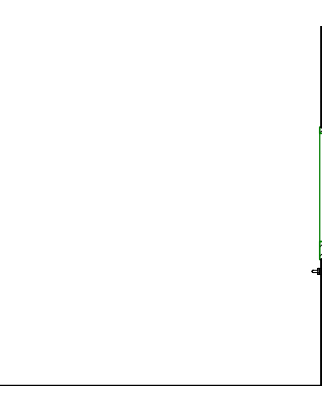
B5 LOCKER ROOM ELEVATION - B
3/16" = 1'-0"



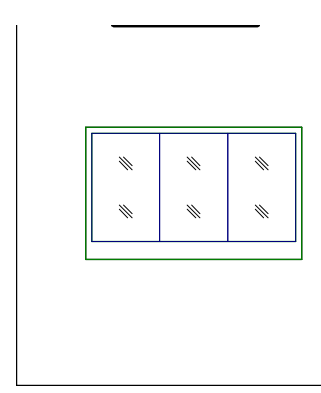
B4 MECH OFFICE & LIBRARY ELEVATION - B
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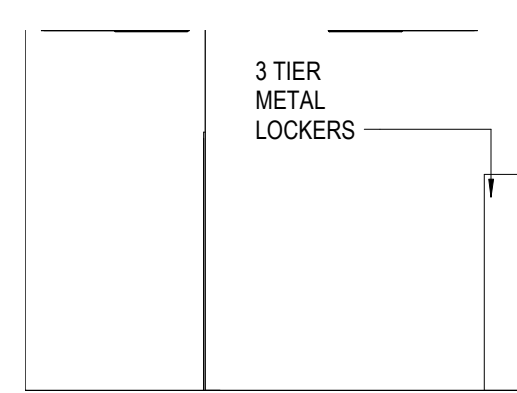
B3 SUPPLY OFFICE ELEVATION - B
3/16" = 1'-0"



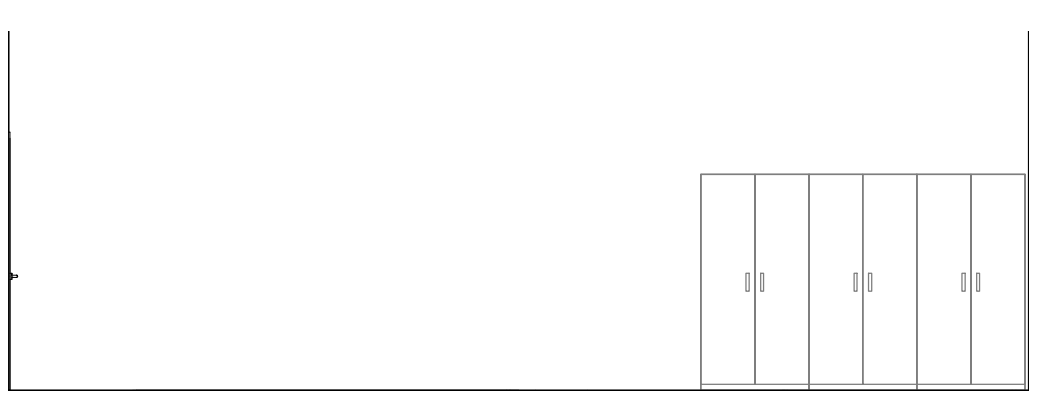
B2 MGR OFFICE ELEVATION - B
3/16" = 1'-0"



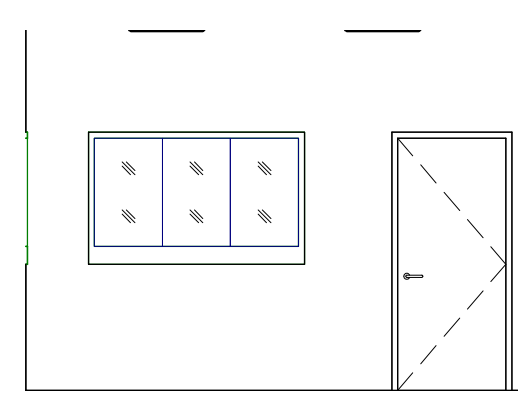
B1 SUPPLY ROOM ELEVATION 02 - B
3/16" = 1'-0"



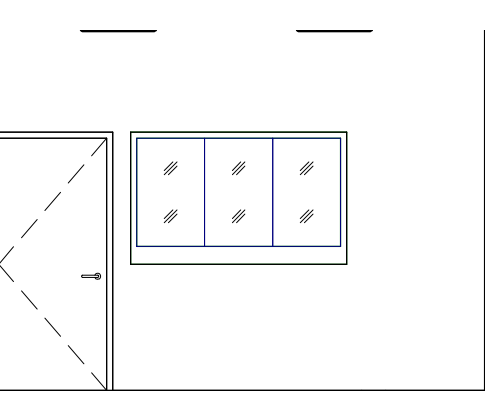
A5 LOCKER ROOM ELEVATION - A
3/16" = 1'-0"



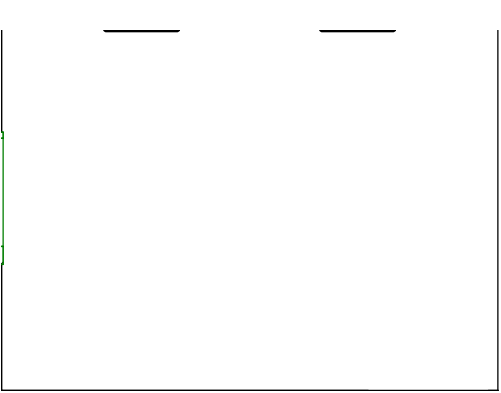
A4 MECH OFFICE & LIBRARY ELEVATION - A
3/16" = 1'-0"



A3 SUPPLY OFFICE ELEVATION - A
3/16" = 1'-0"



A2 MGR OFFICE ELEVATION - A
3/16" = 1'-0"



A1 SUPPLY ROOM ELEVATION 02 - A
3/16" = 1'-0"

M:\50004\A-254.dwg 04/15/2024 10:42:01 PM BH 380/10380810_Mt_Kasper_Maintenance Facility 2021/10380810_Mt_Kasper_2021.rvt Elevations

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Eddleman-Health
Civil Engineer	Abhay Khaire
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: NMT

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number: 10380810
Original Issue: 04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

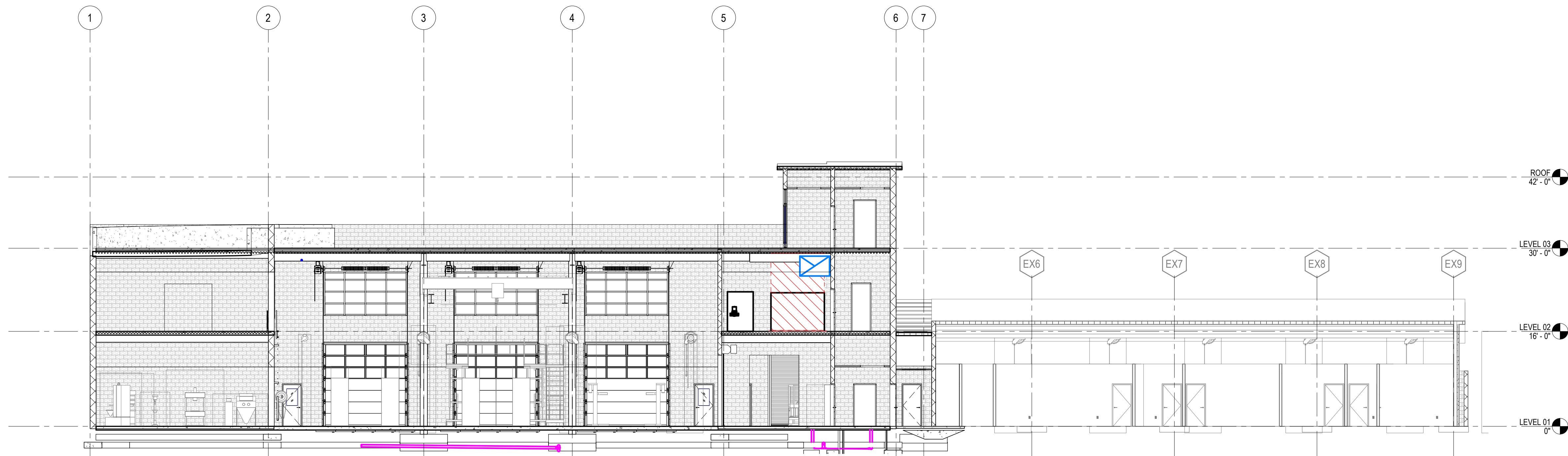
BUILDING SECTIONS A - PHASE 01

Sheet Number

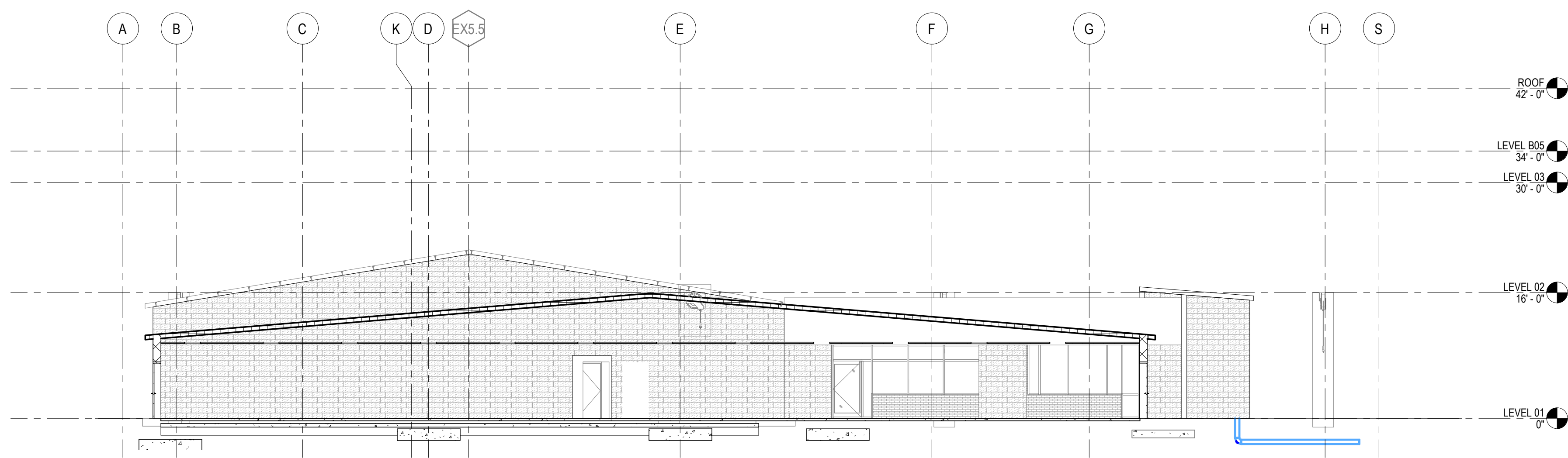
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Project Status
SCHEMATIC DESIGN DRAWINGS

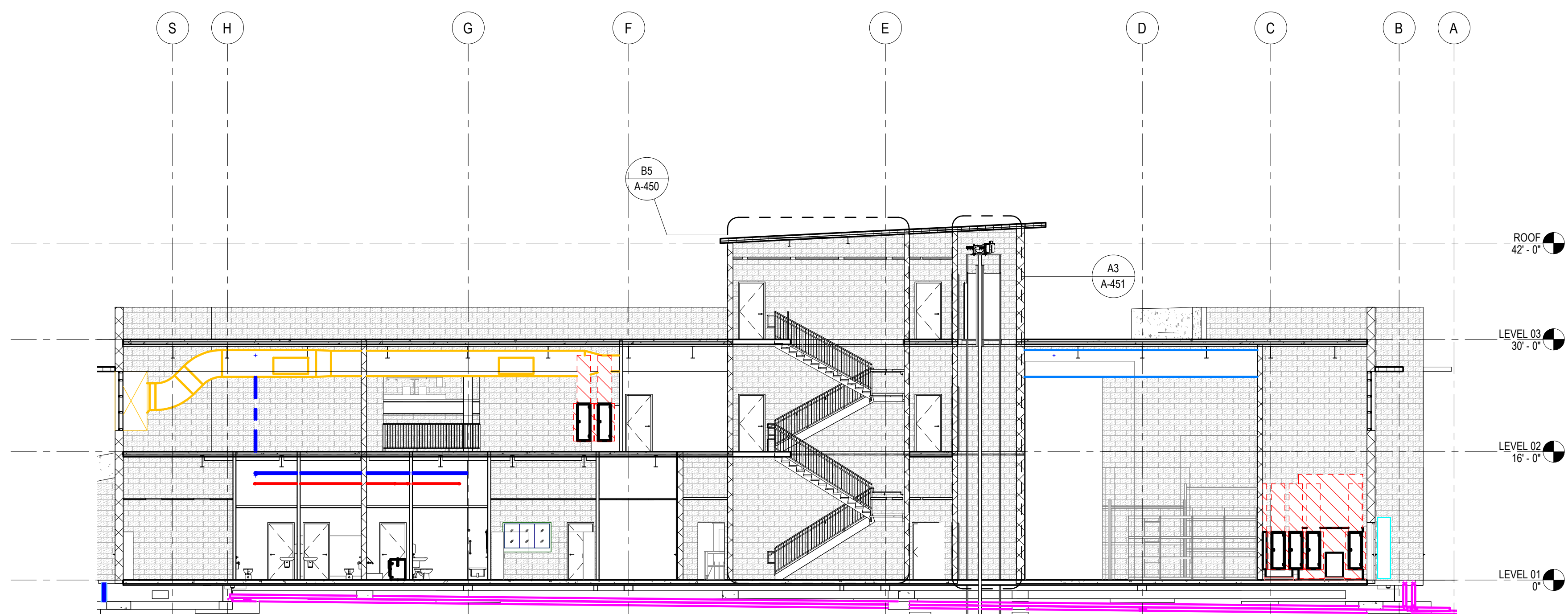
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Erin Lopez (Sra) 10380810_Mt.Kasper_Maintenance_Facility_2021/10380810_Mt_Kasper_2021.rvt



C5 PHASE 01 - BUILDING SECTIONS - 01
3/32" = 1'-0"



B5 PHASE 01 - BUILDING SECTIONS - 02
3/32" = 1'-0"



A5 PHASE 01 - BUILDING SECTIONS - 03
3/32" = 1'-0"

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager Patrick Glowacki
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Landscape Architect Claire Edelman-Health
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Structural Engineer Chad Stippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbie Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Drawn By NMT

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

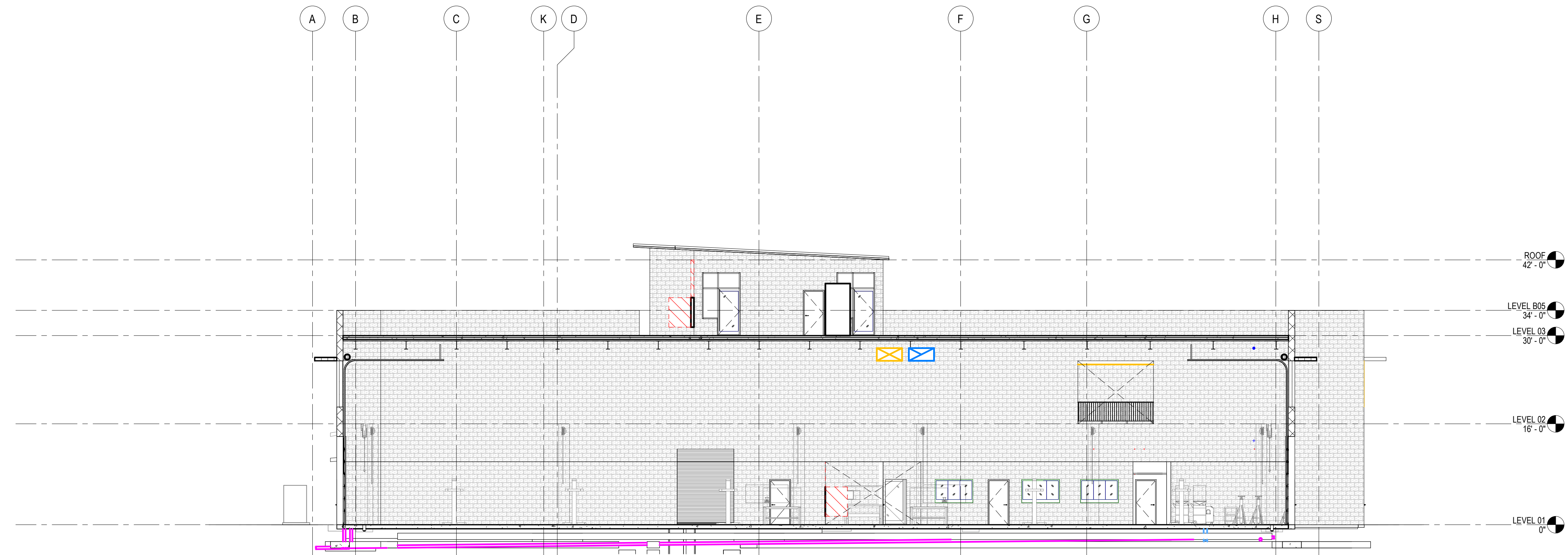
Project Number 10380810
Original Issue 04/15/2024

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NOT FOR CONSTRUCTION

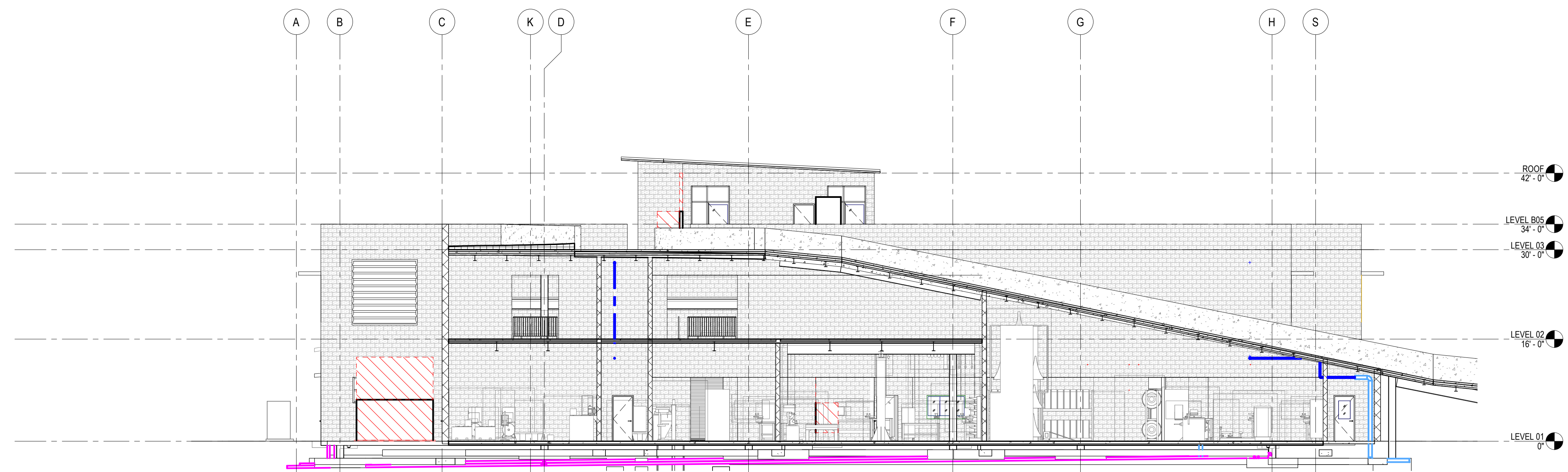
Sheet Name
BUILDING SECTIONS B
- PHASE 01

Sheet Number
A-302

Project Status
SCHEMATIC DESIGN DRAWINGS



B4 PHASE 01 - BUILDING SECTION 03
3/32" = 1'-0"



A4 PHASE 01 - BUILDING SECTION 04
3/32" = 1'-0"

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
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Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khaire
Structural Engineer	Chad Stoppel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By	NMT	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

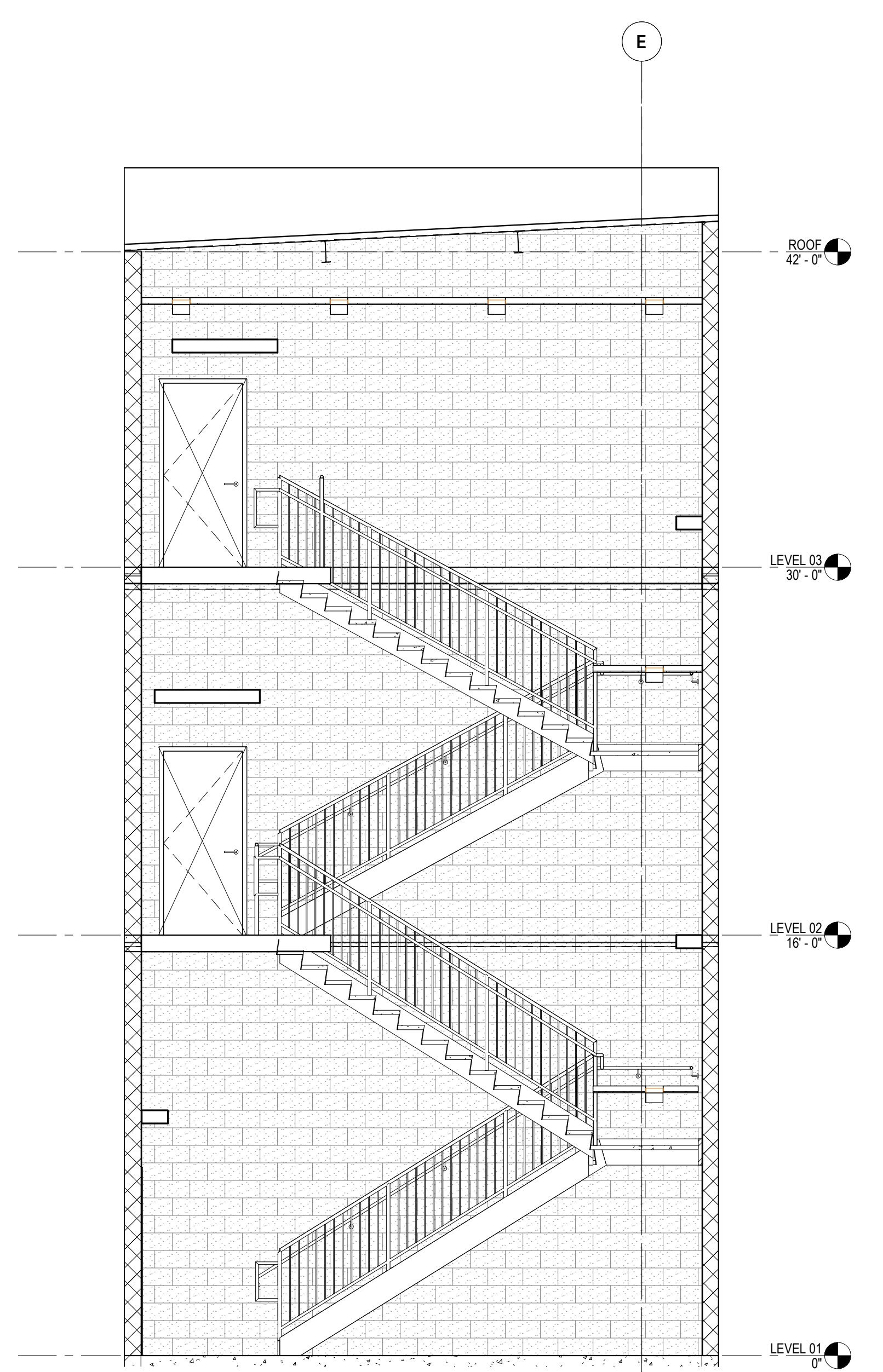
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Project Number	10380810
Original Issue	04/15/2024

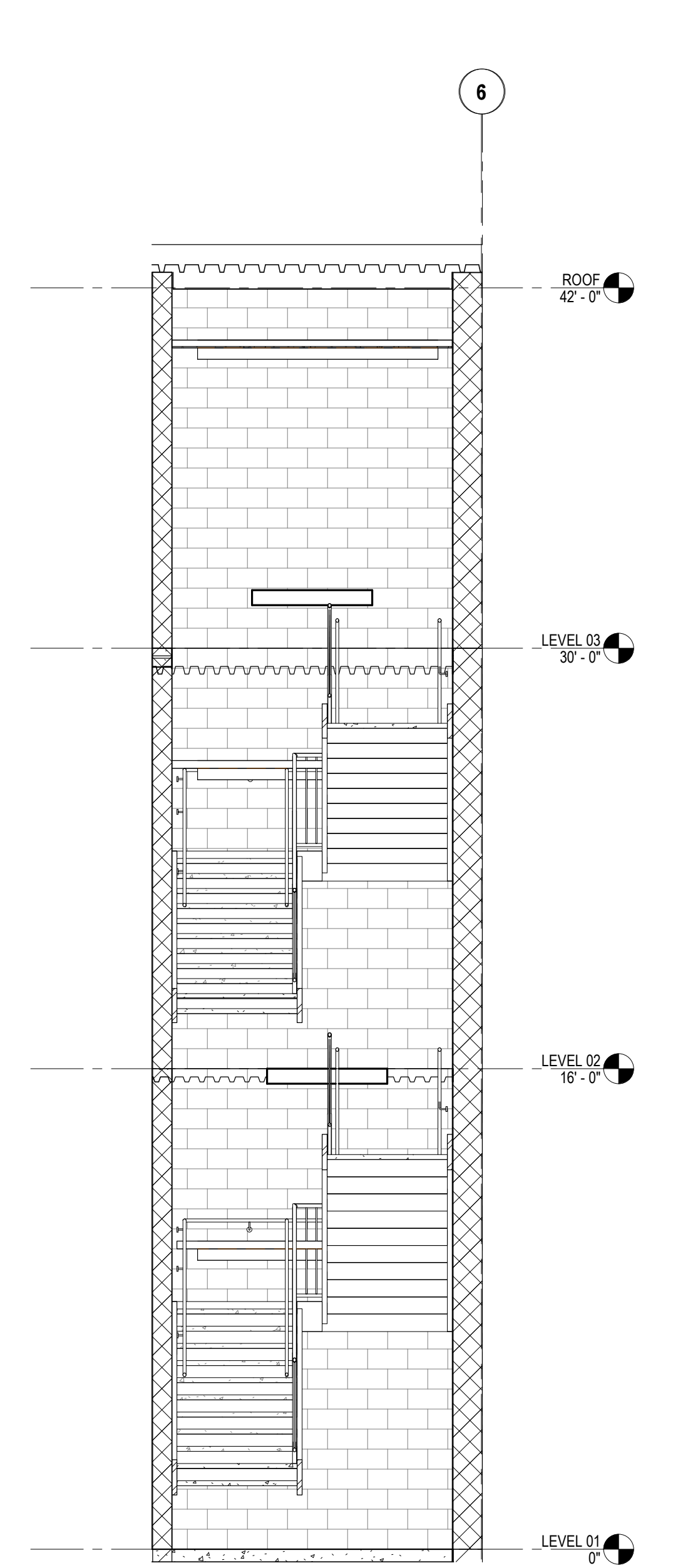


Sheet Name
ENLARGED STAIR PLANS & SECTIONS - PHASE 01

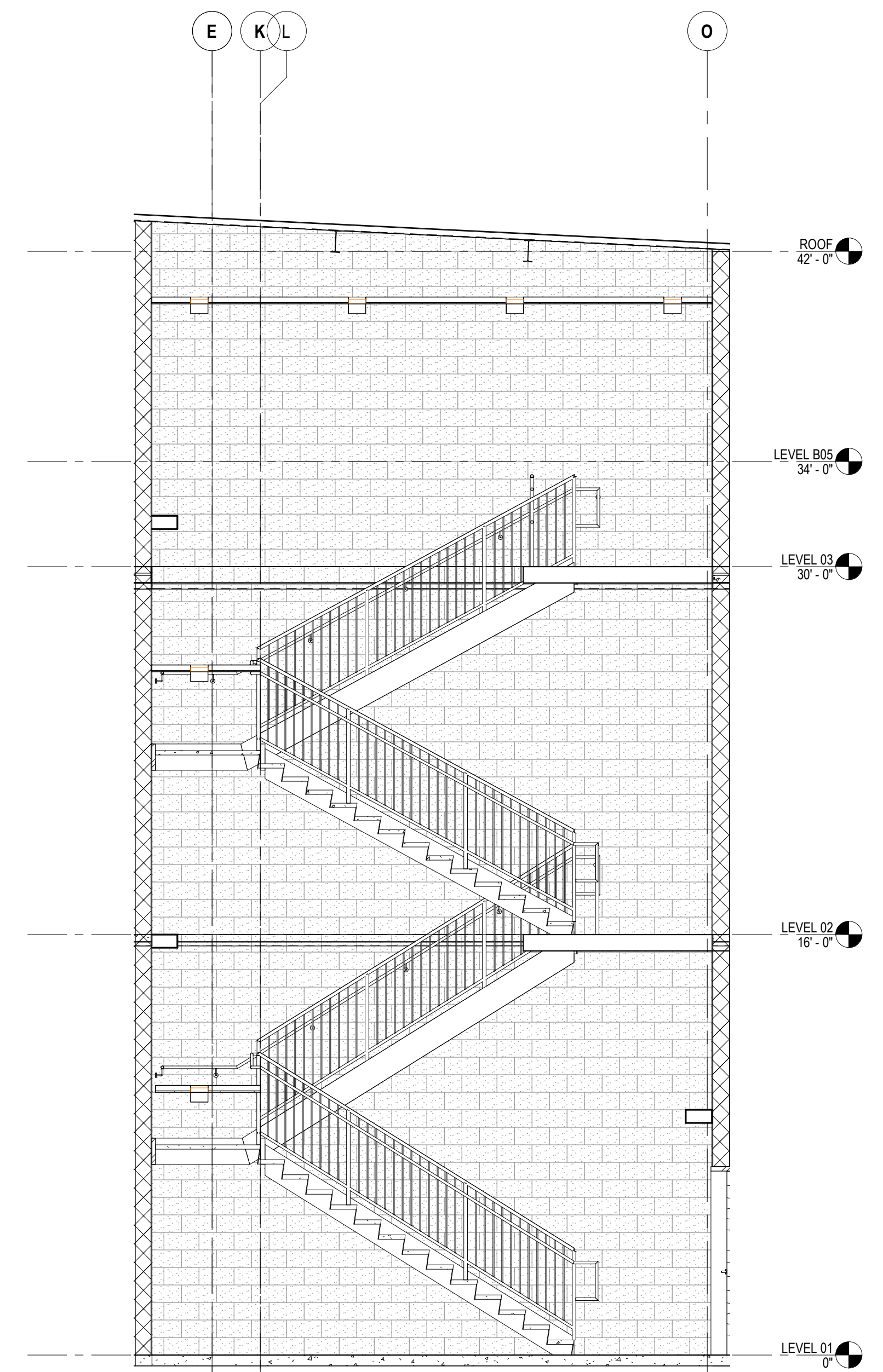
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A-450
Project Status
SCHEMATIC DESIGN DRAWINGS



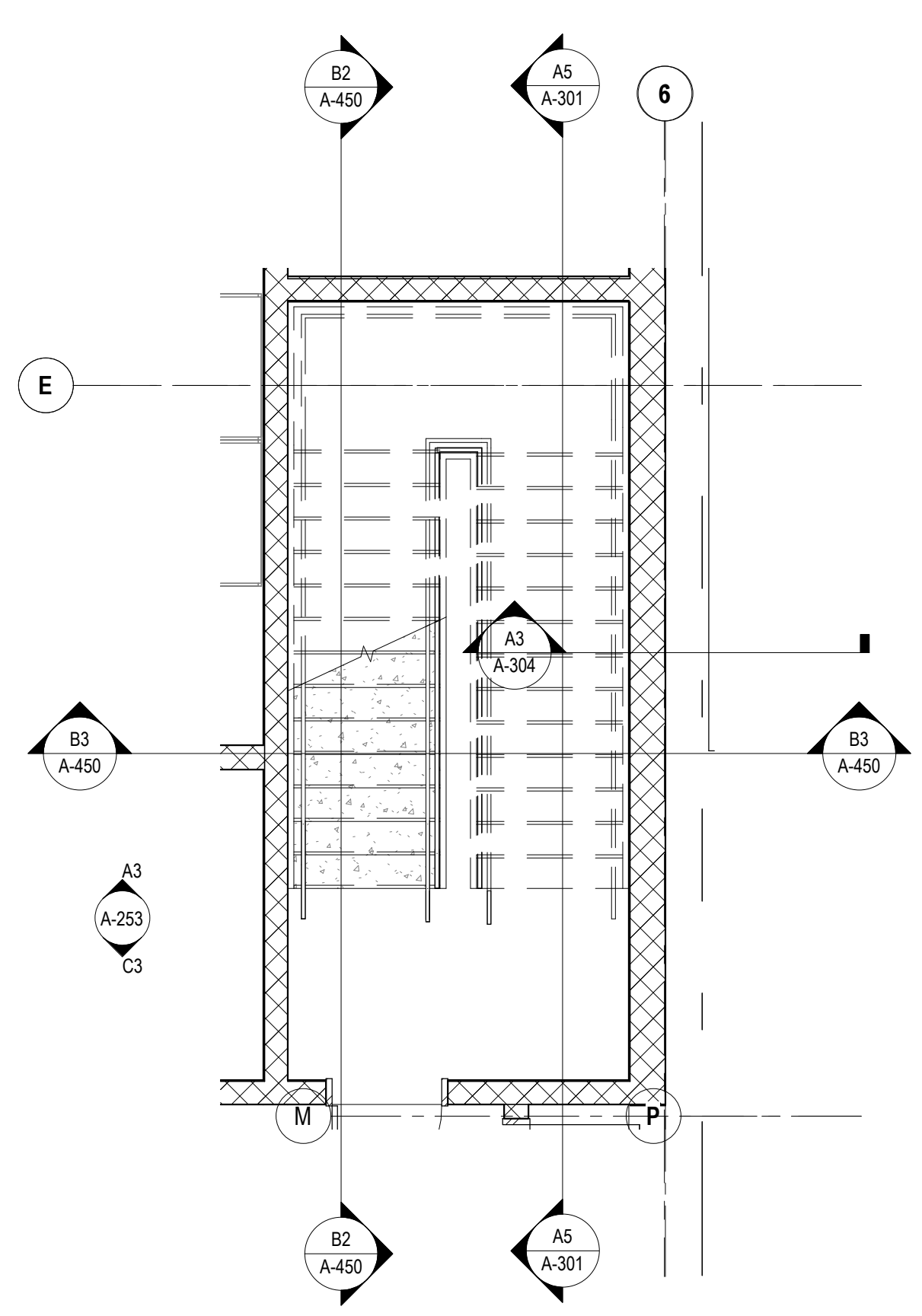
B5 PHASE 01 - ENLARGED SECTION - STAIR - A
1/4" = 1'-0"



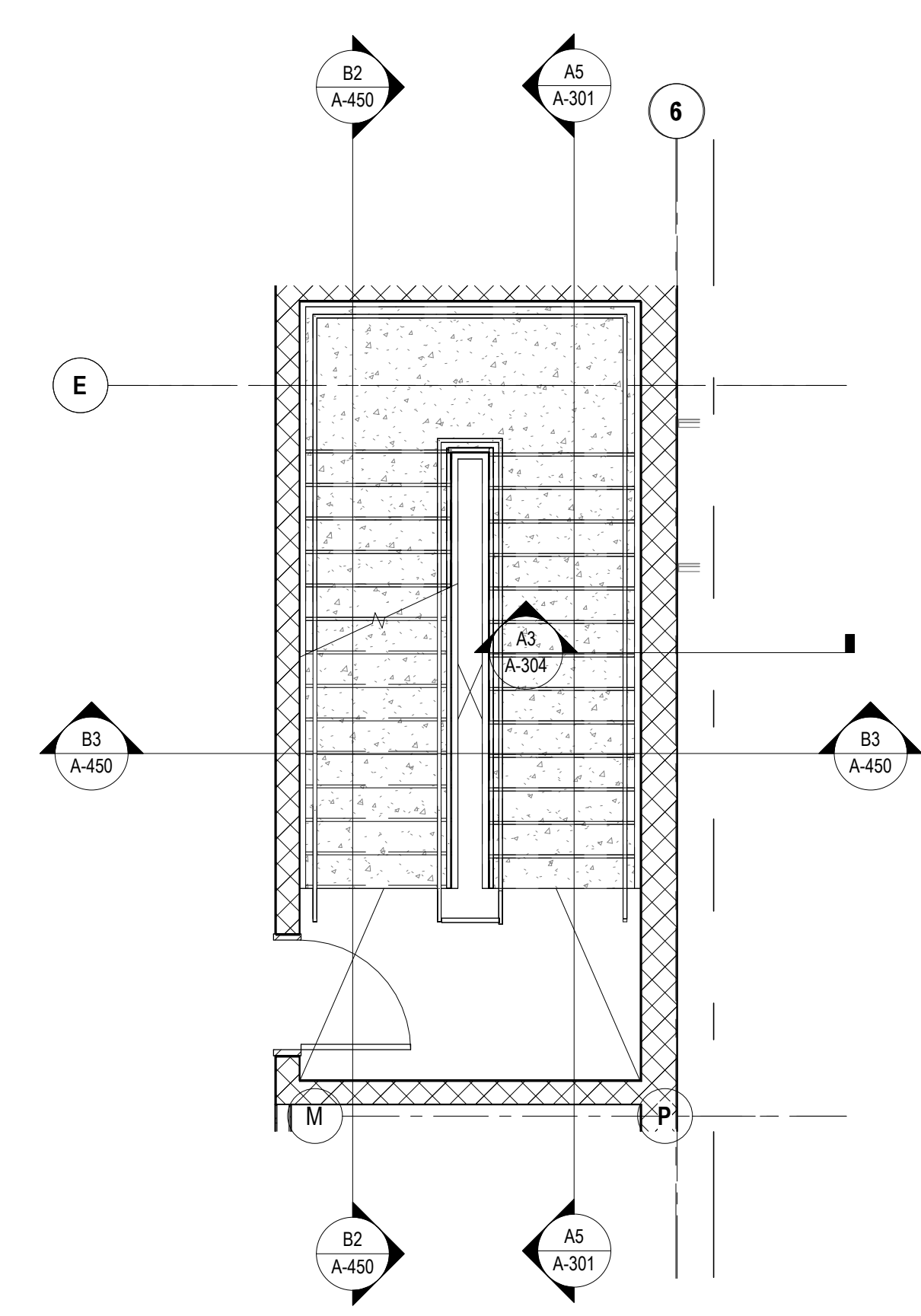
B3 PHASE 01 - ENLARGED SECTION - STAIR - B
1/4" = 1'-0"



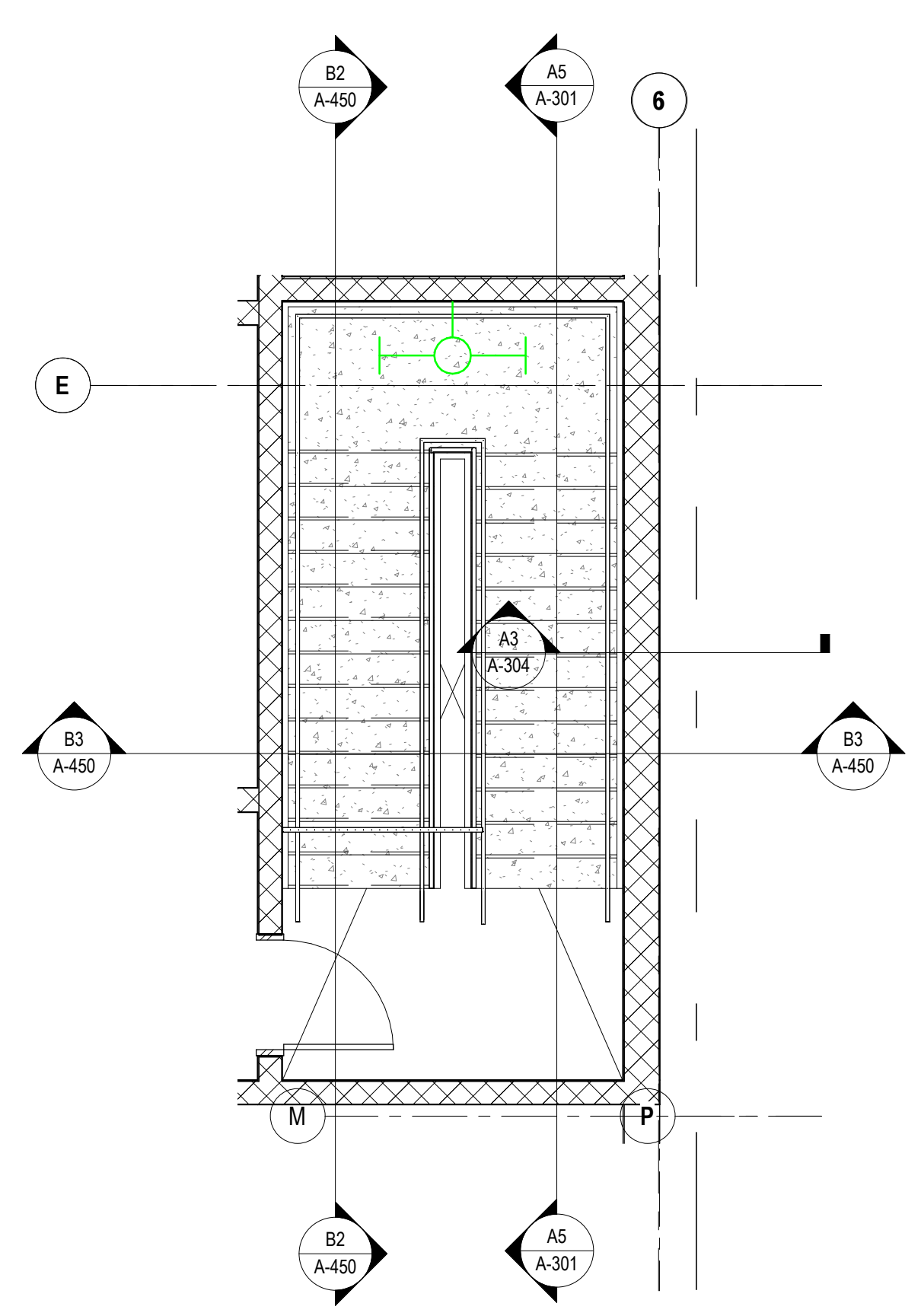
B2 PHASE 01 - ENLARGED SECTION - STAIR - C
1/4" = 1'-0"



A5 PHASE 01 - ENLARGED PLAN - STAIR - LEVEL 1
1/4" = 1'-0"



A3 PHASE 1 - ENLARGED PLAN - STAIR - LEVEL 2
1/4" = 1'-0"



A2 PHASE 1 - ENLARGED PLAN - STAIR - LEVEL 3
1/4" = 1'-0"

MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager: Patrick Glowacki
Project Designer: Katherine Dudzik Smith
Project Architect: Rachel McAdoo
Landscape Architect: Claire Eddleman-Health
Civil Engineer: Abhay Khaire
Structural Engineer: Chad Stoppel
Mechanical Engineer: Brett McQuillan
Electrical Engineer: Stephen Bowcock
Plumbing Engineer: Robbie Ramey
Interior Designer: Jessi Levin
Equipment Planner: Ken Booth
Wayfinding: Ken Booth

Drawn By: NMT

MARK	DATE	DESCRIPTION
SD	04.15.2024	SD DRAWINGS

Project Number: 10380810
Original Issue: 04/15/2024

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

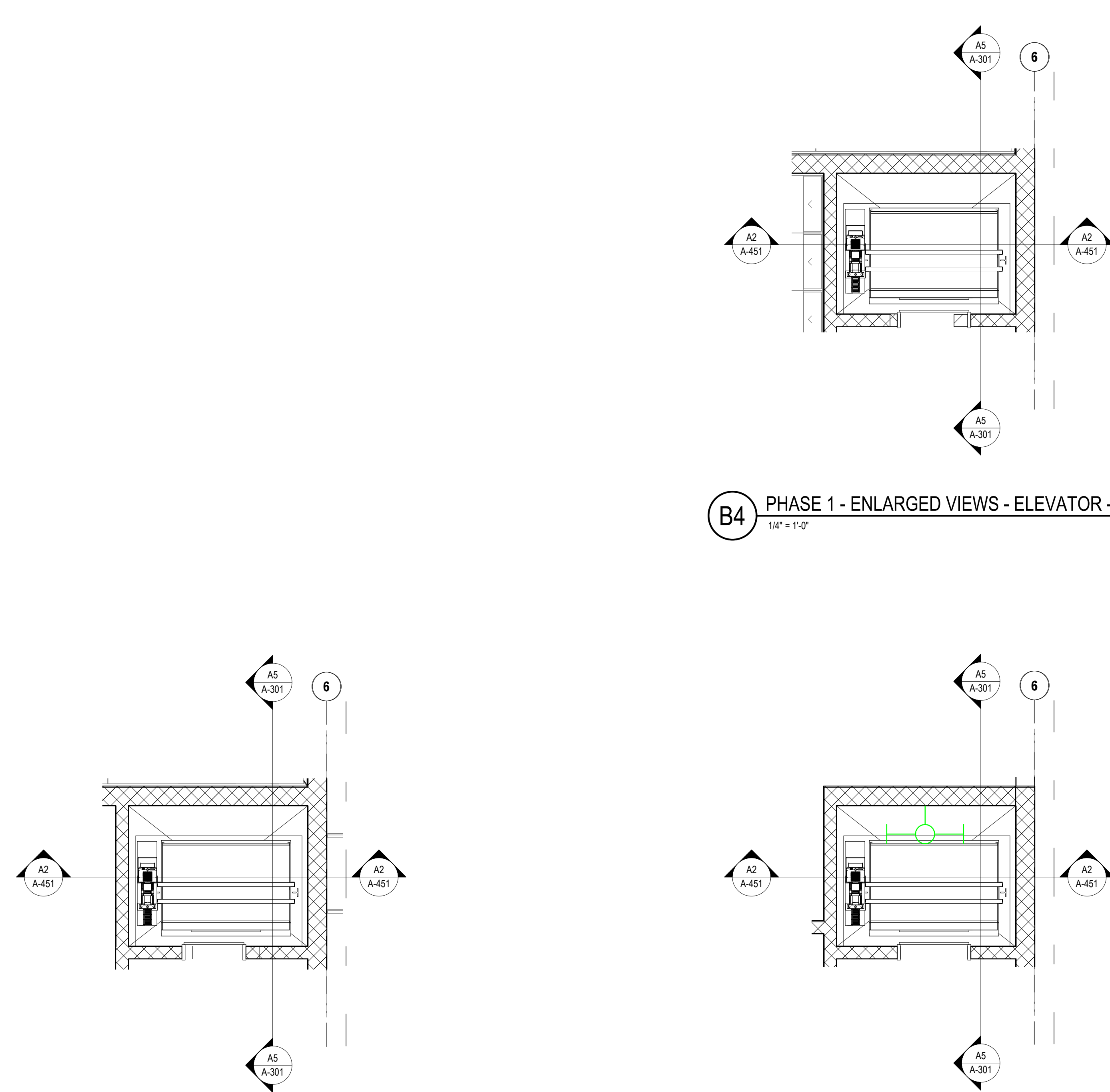
**ENLARGED ELEVATOR
PLANS & SECTIONS -
PHASE 01**

Sheet Number

A-451

Project Status
SCHEMATIC DESIGN DRAWINGS

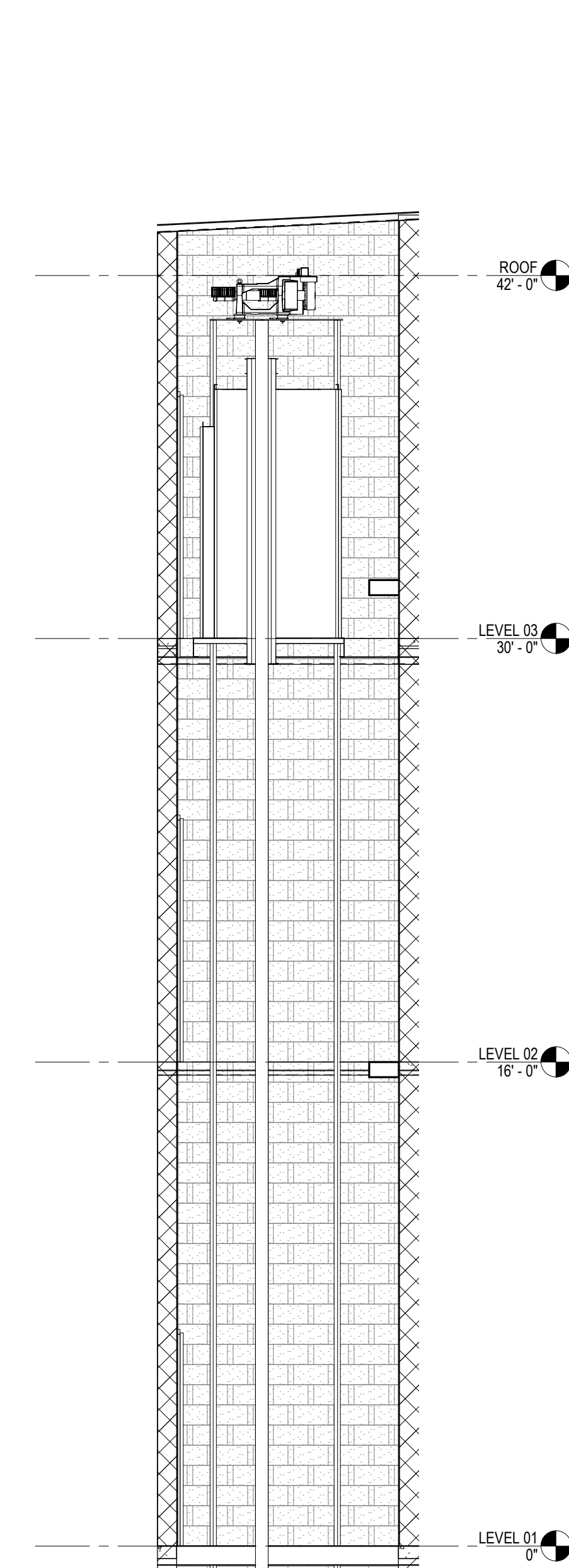
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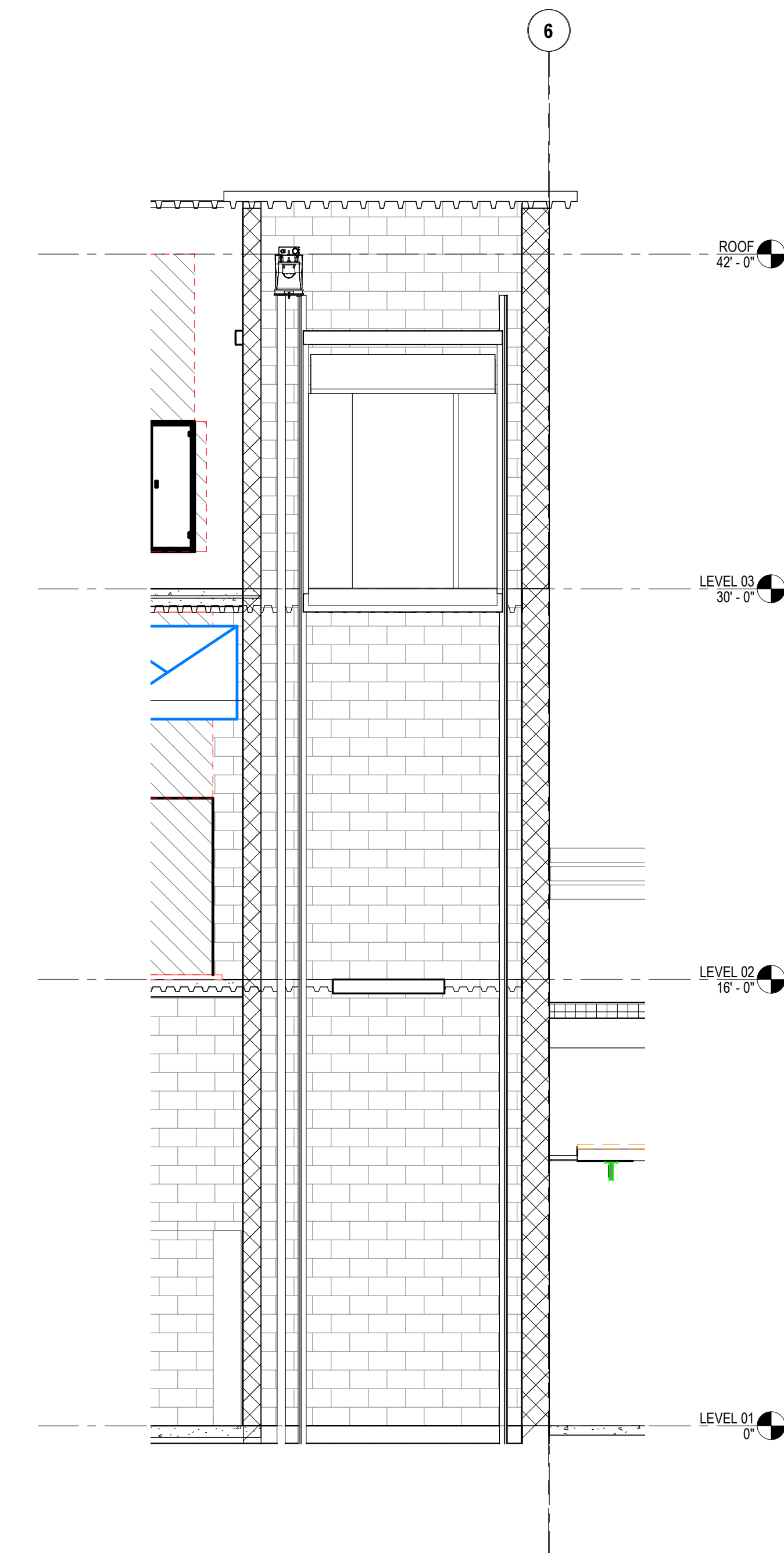
A5 PHASE 1 - ENLARGED VIEWS - ELEVATOR - LEVEL 2
1/4" = 1'-0"

A4 PHASE 1 - ENLARGED VIEWS - ELEVATOR - LEVEL 3
1/4" = 1'-0"

B4 PHASE 1 - ENLARGED VIEWS - ELEVATOR - LEVEL 1
1/4" = 1'-0"



A3 PHASE 01 - ENLARGED ELEVATOR SECTION A
1/4" = 1'-0"



A2 PHASE 01 - ENLARGED ELEVATOR SECTION B
1/4" = 1'-0"



Project Manager	Patrick Glowacki
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Landscape Architect	Claire Eddleman-Health
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Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: NMT

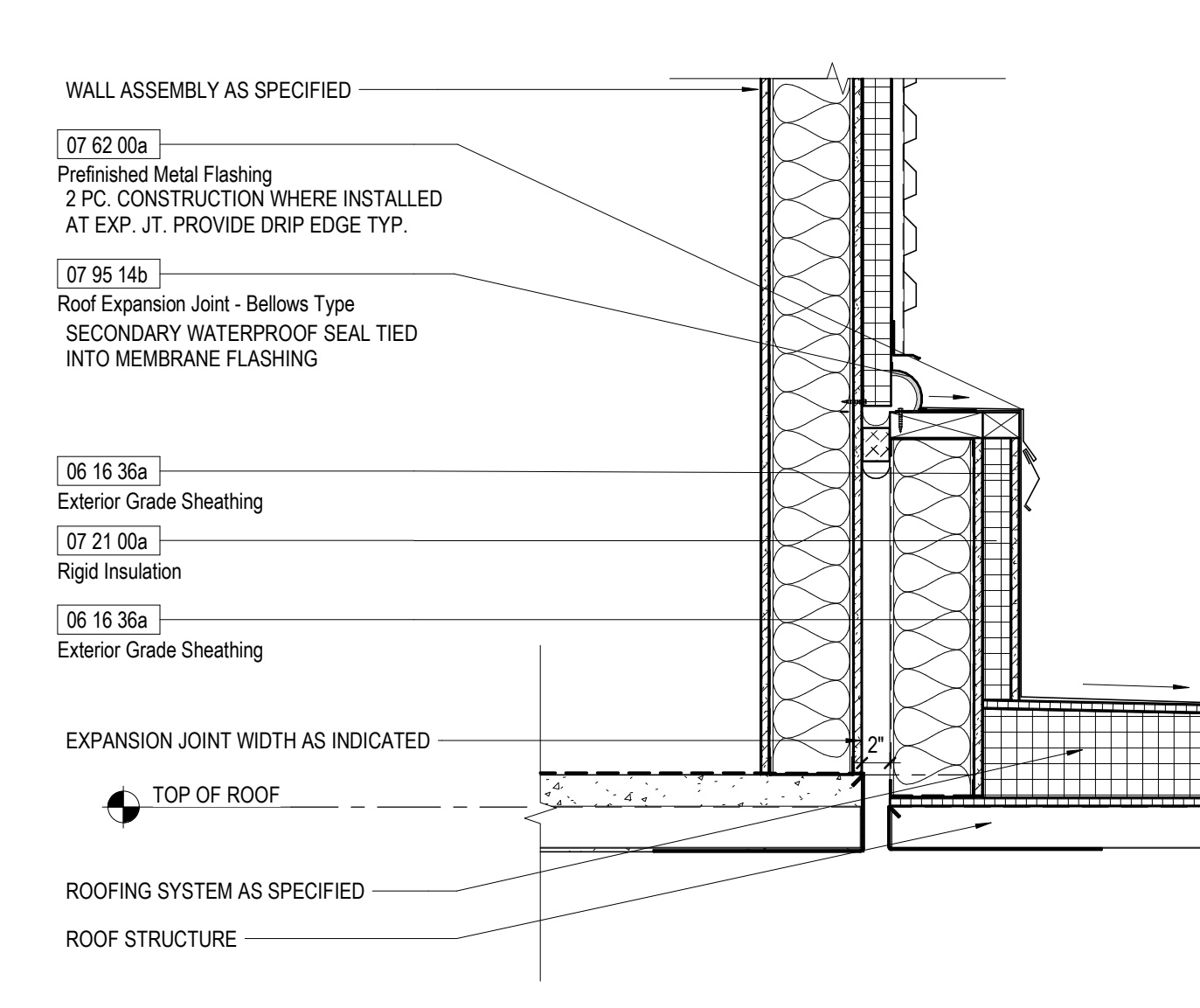
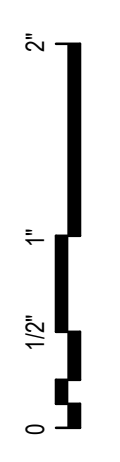
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	4/15/2024

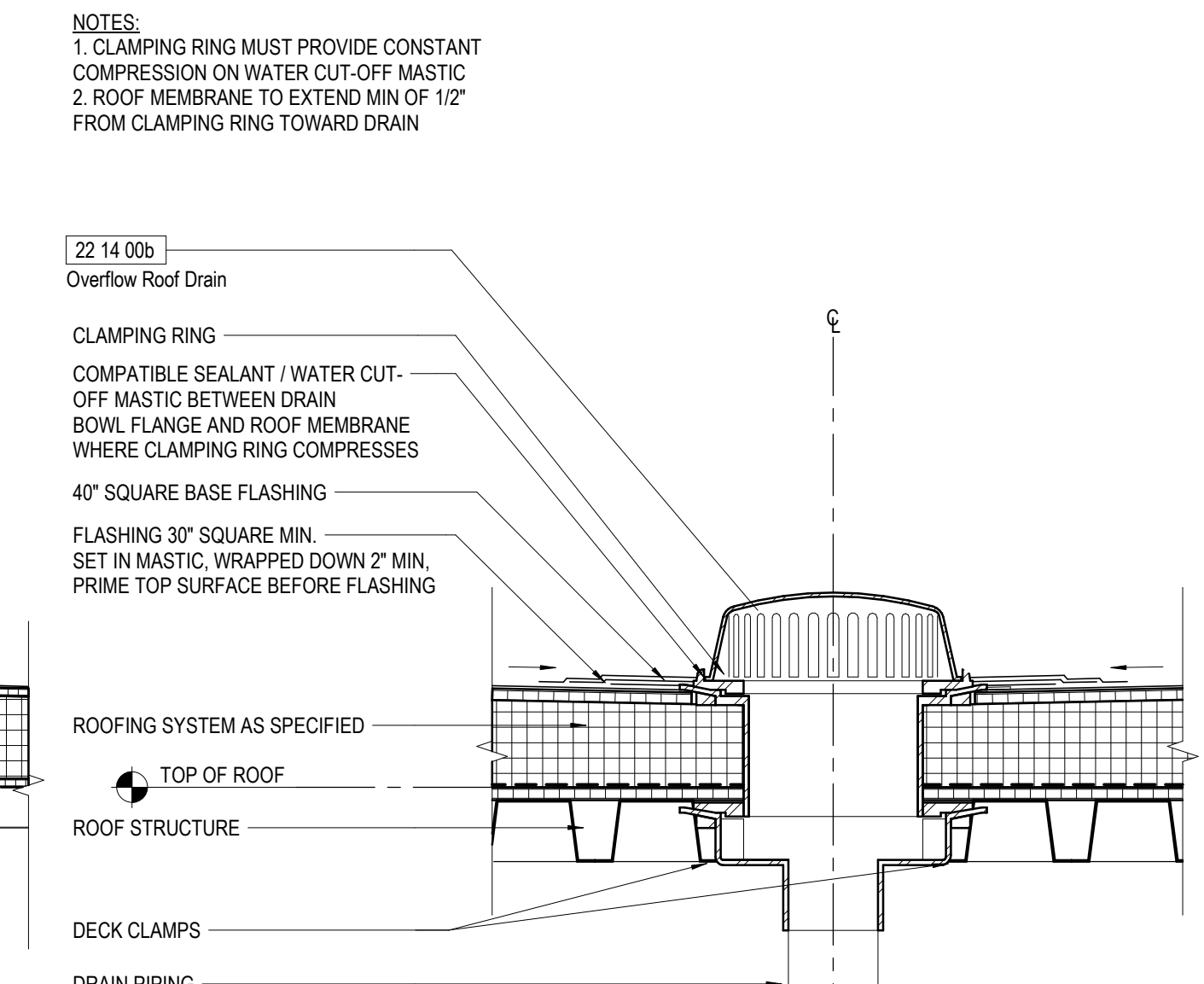
PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
DETAILS - ROOF

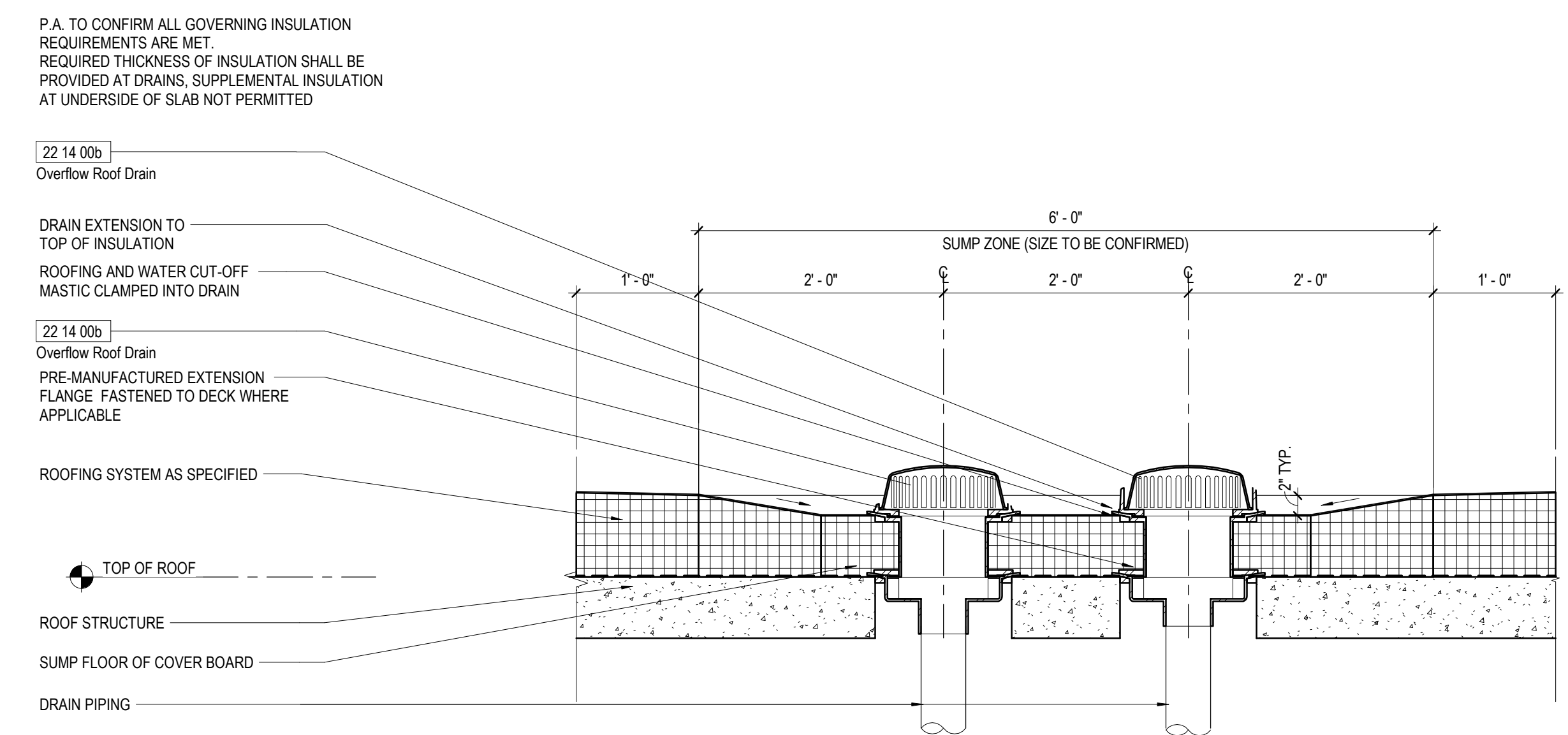
Sheet Number
A-545
Project Status
SCHEMATIC DESIGN DRAWINGS



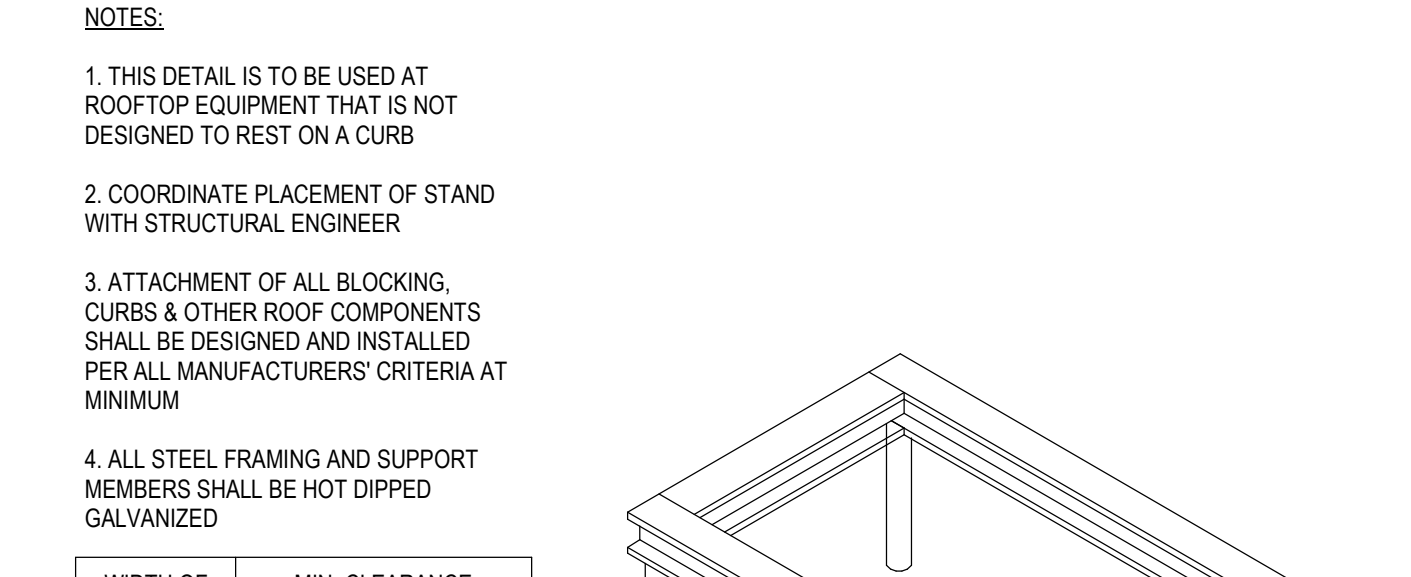
D5 ROOF TO WALL EXPANSION JOINT - SECTION
1" = 1'-0"



D2 TYPICAL ROOF DRAIN - SECTION
1 1/2" = 1'-0"



C4 PREMANUFACTURED ROOF SUMP - SECTION @ CONCRETE ROOF DECK
1" = 1'-0"



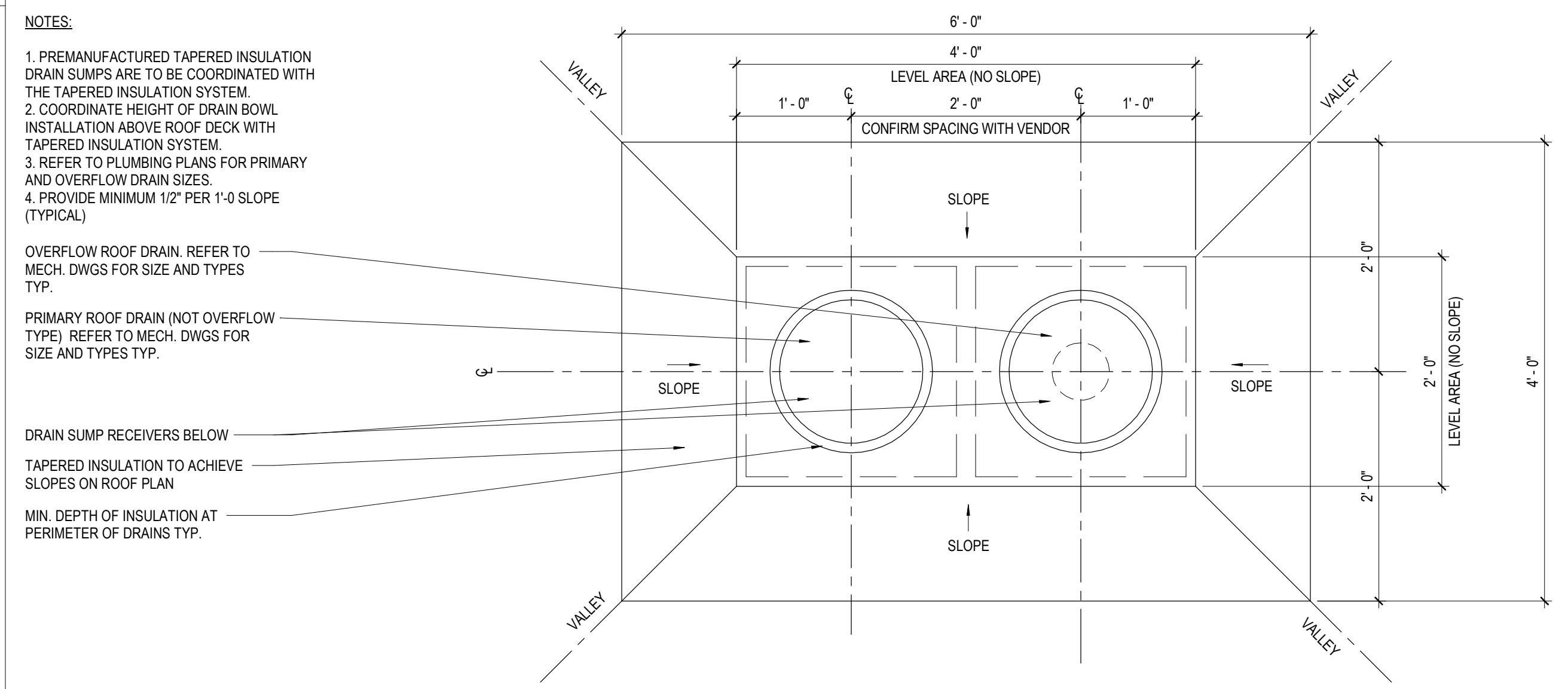
NOTES:

- THIS DETAIL IS TO BE USED AT ROOFTOP EQUIPMENT THAT IS NOT DESIGNED TO REST ON A CURB
- COORDINATE PLACEMENT OF STAND WITH STRUCTURAL ENGINEER
- ATTACHMENT OF ALL BLOCKING, CURBS & OTHER ROOF COMPONENTS SHALL BE DESIGNED AND INSTALLED PER ALL MANUFACTURERS' CRITERIA AT MINIMUM
- ALL STEEL FRAMING AND SUPPORT MEMBERS SHALL BE HOT DIPPED GALVANIZED

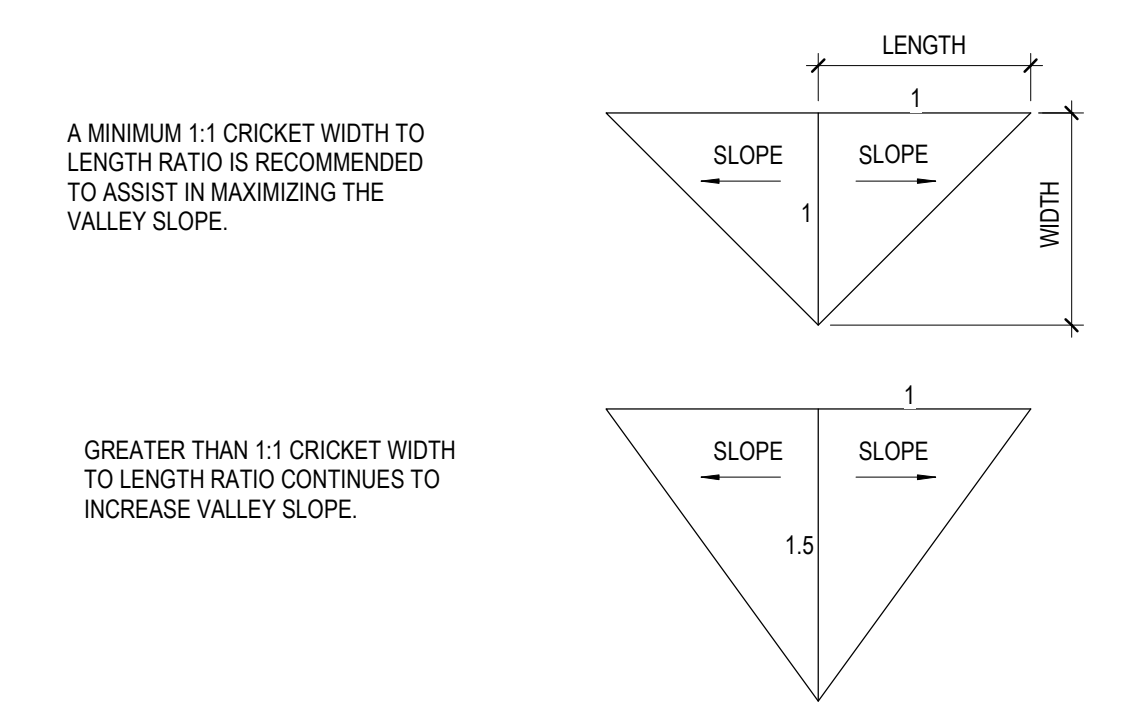
WIDTH OF EQUIPMENT	MIN. CLEARANCE RECOMMENDED ABOVE FINISHED ROOF SURFACE
UP TO 24"	14"
25' - 36"	18"
37' - 48"	24"
49' - 60"	30"
61" PLUS	48"

SEE DETAIL PENETRATION DETAILS

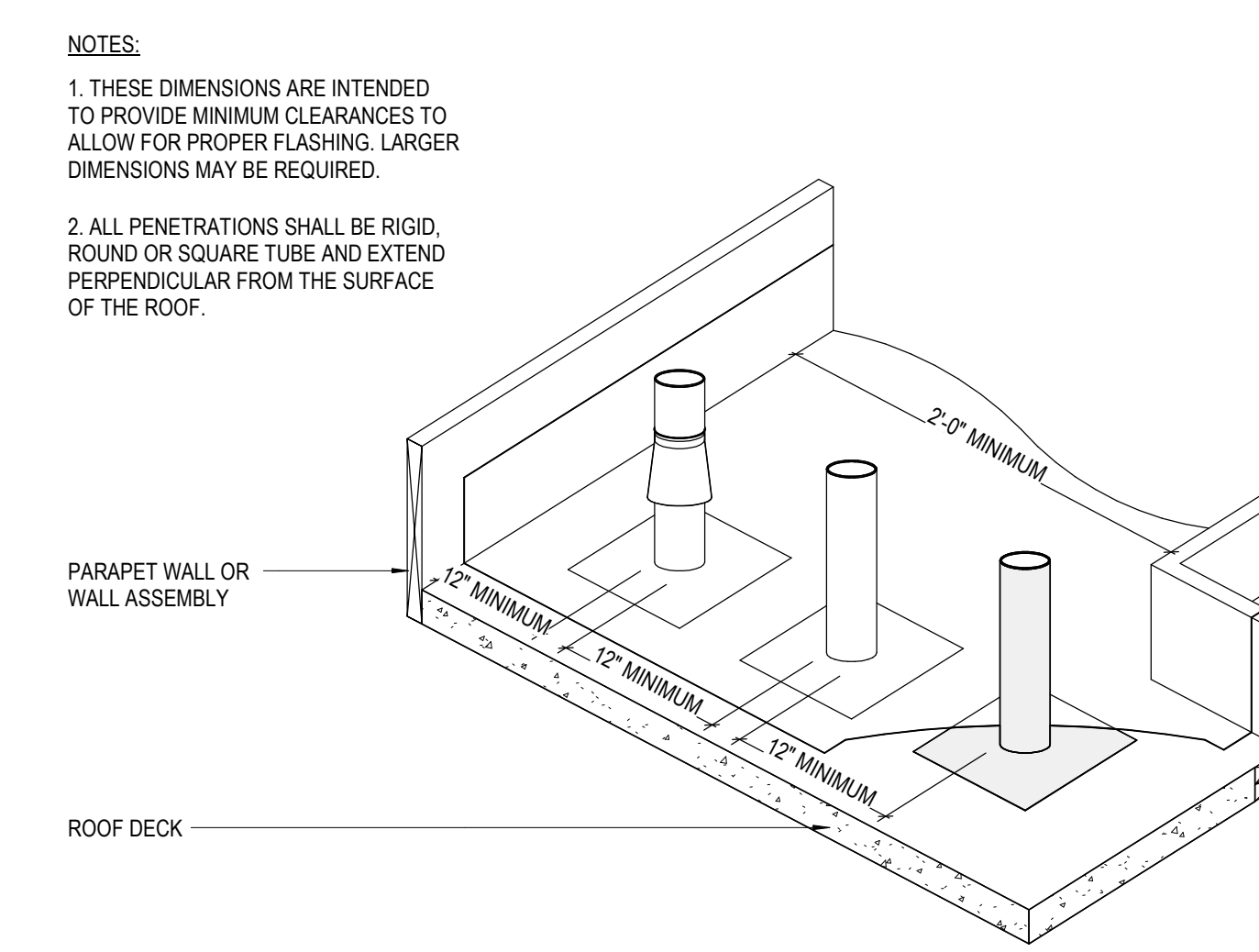
C3 ROOFTOP EQUIPMENT SUPPORT STAND DIAGRAM
1" = 1'-0"



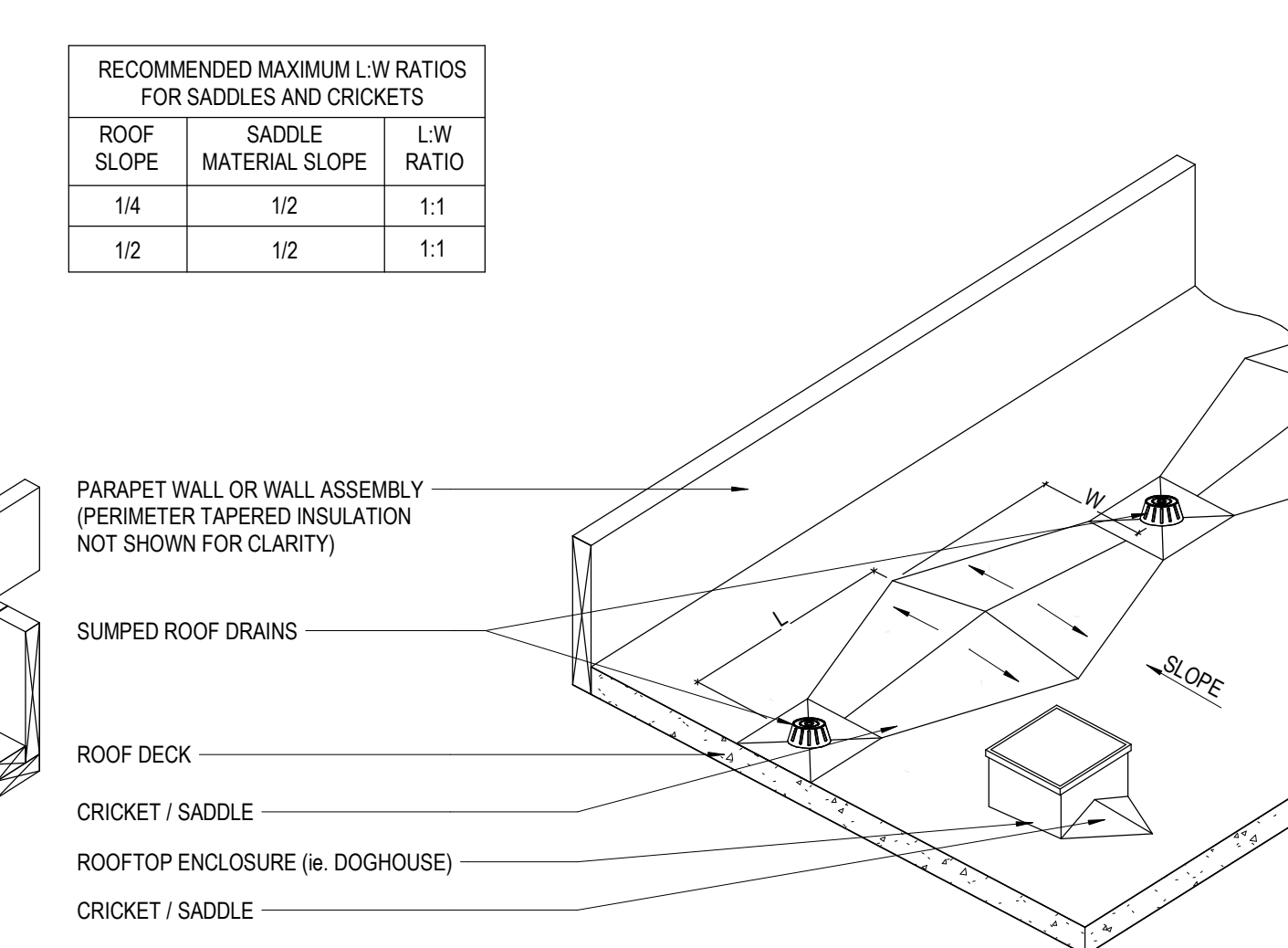
B4 PREMANUFACTURED ROOF SUMP - PLAN
1" = 1'-0"



B3 ROOF CRICKET / SADDLE DIAGRAM
1" = 1'-0"



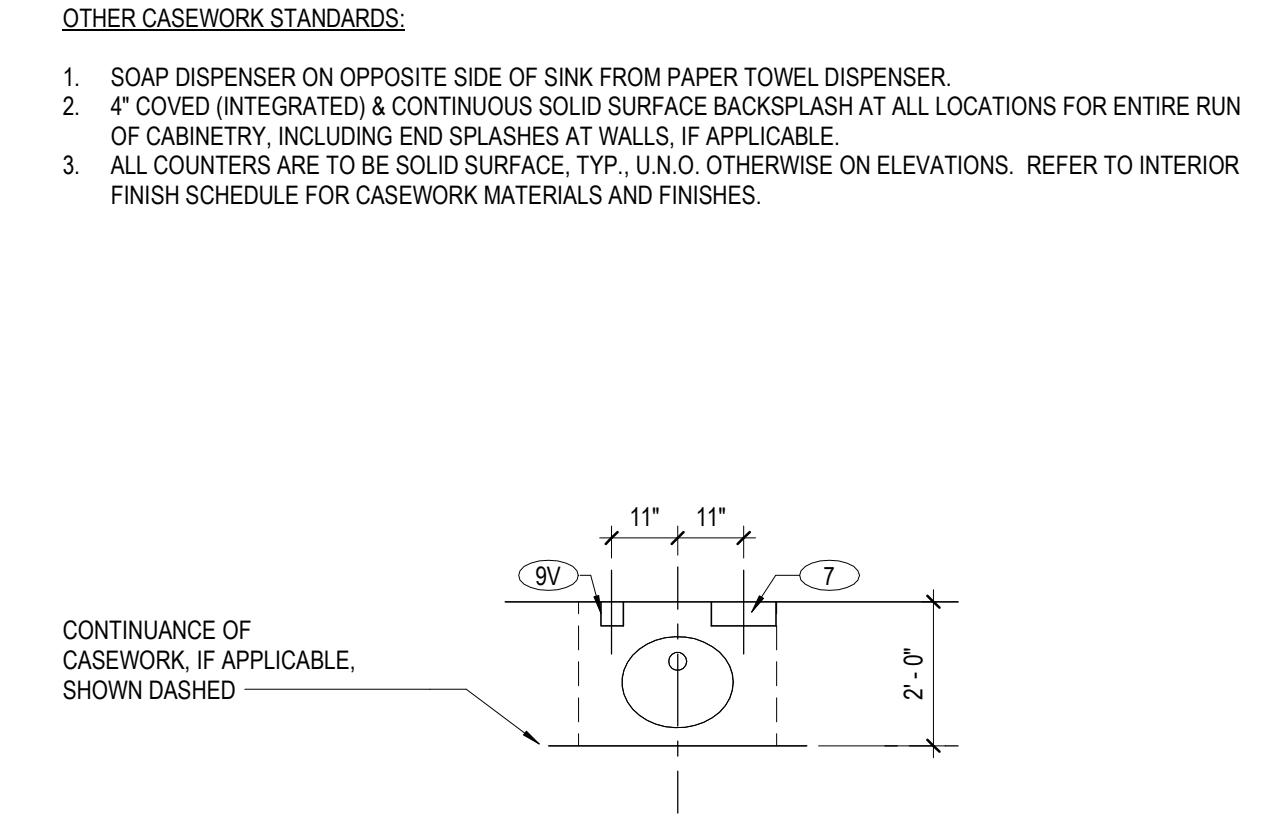
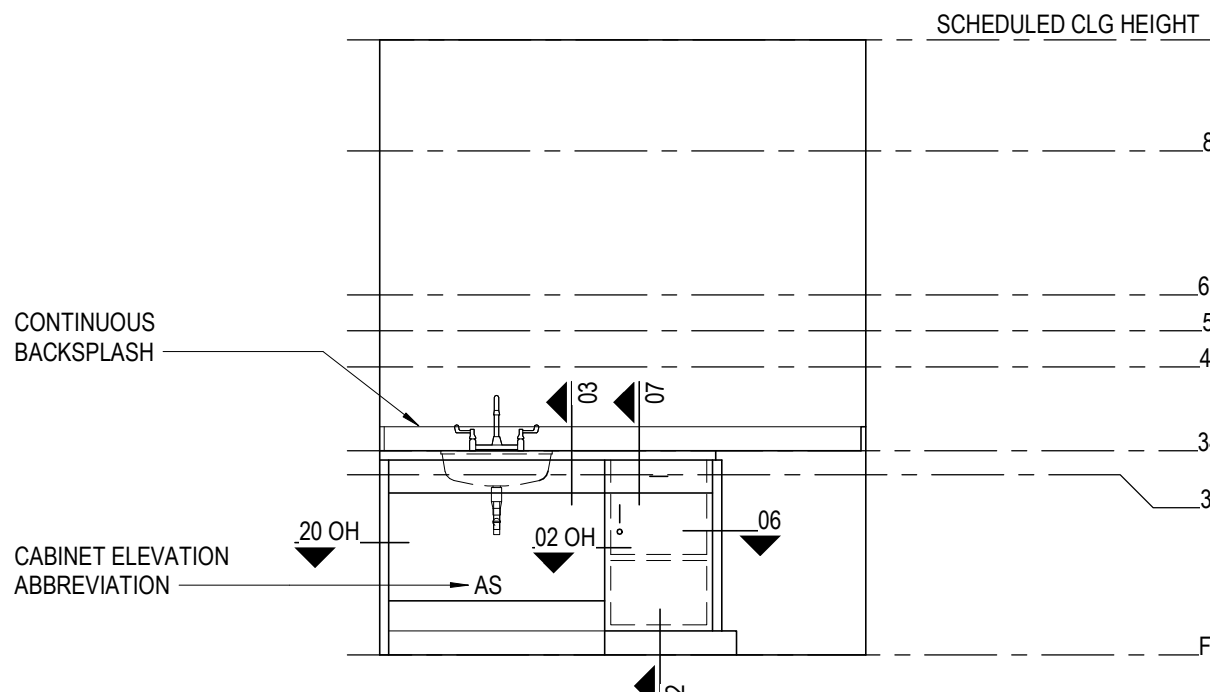
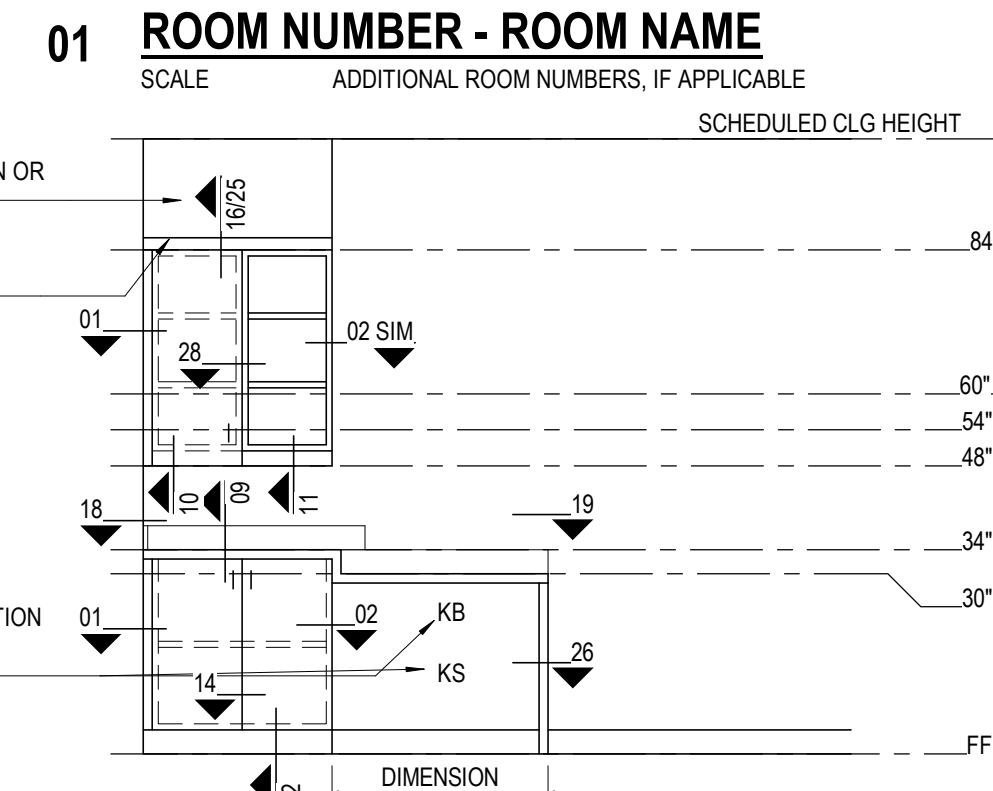
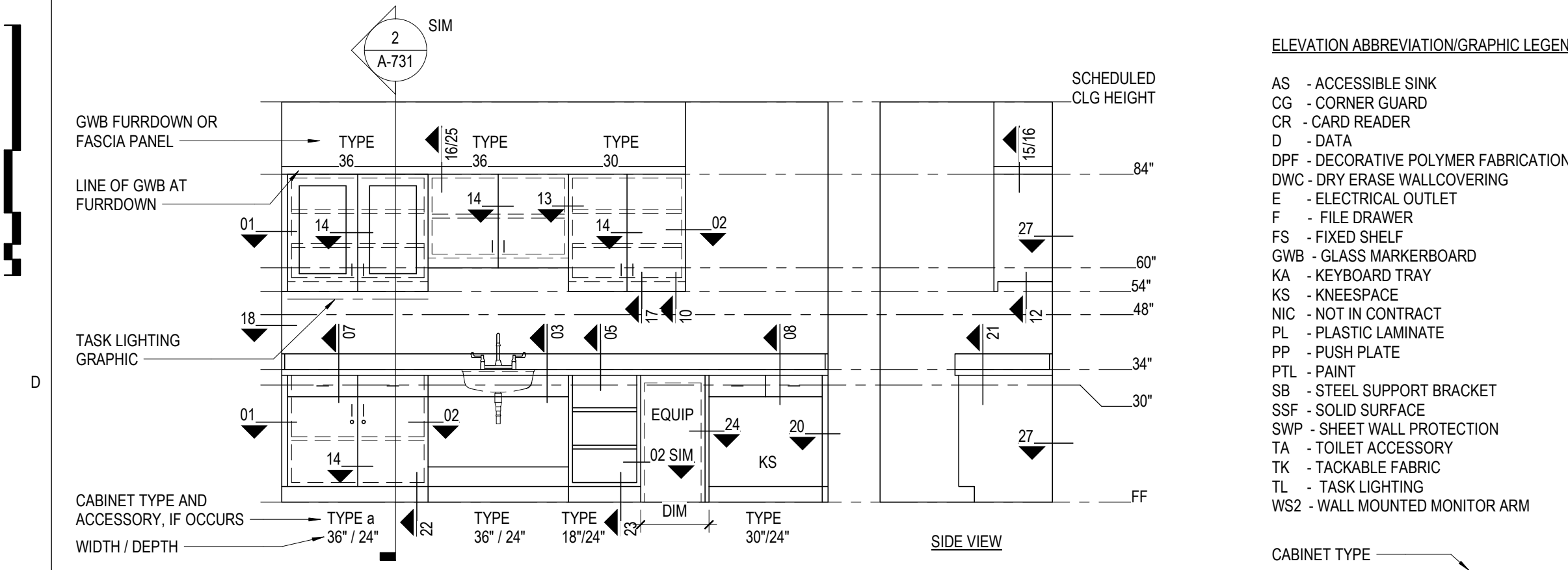
B2 ROOF PENETRATION SPACING DIAGRAM
1" = 1'-0"



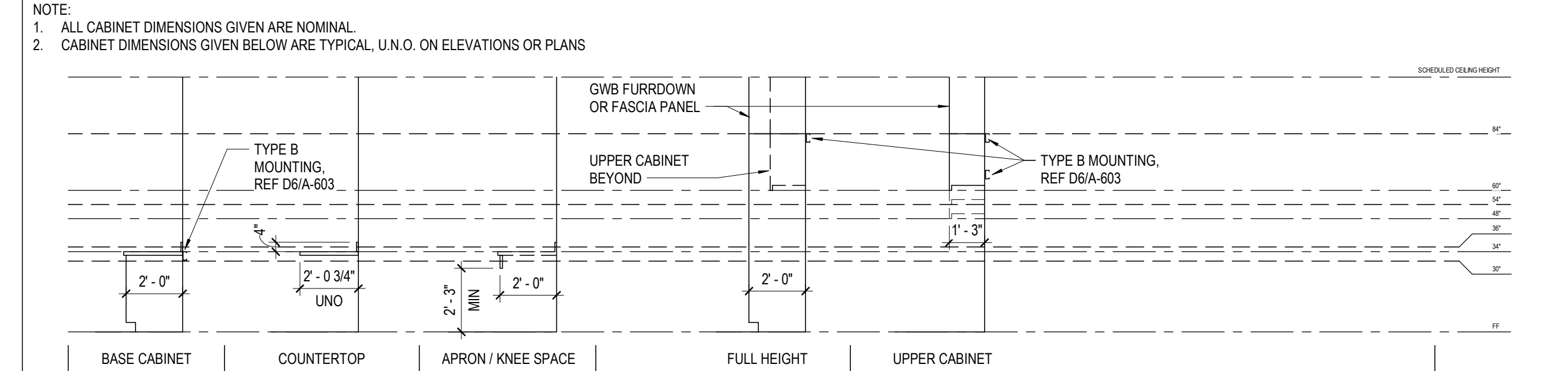
B1 ROOF CRICKET / SADDLE LAYOUT DIAGRAM
1" = 1'-0"

4/15/2024 4:12:36 PM BH 380/10380810_ML_Kasper_McAdoo_2024.rvt 08:50 Electric Details

CASEWORK LEGEND



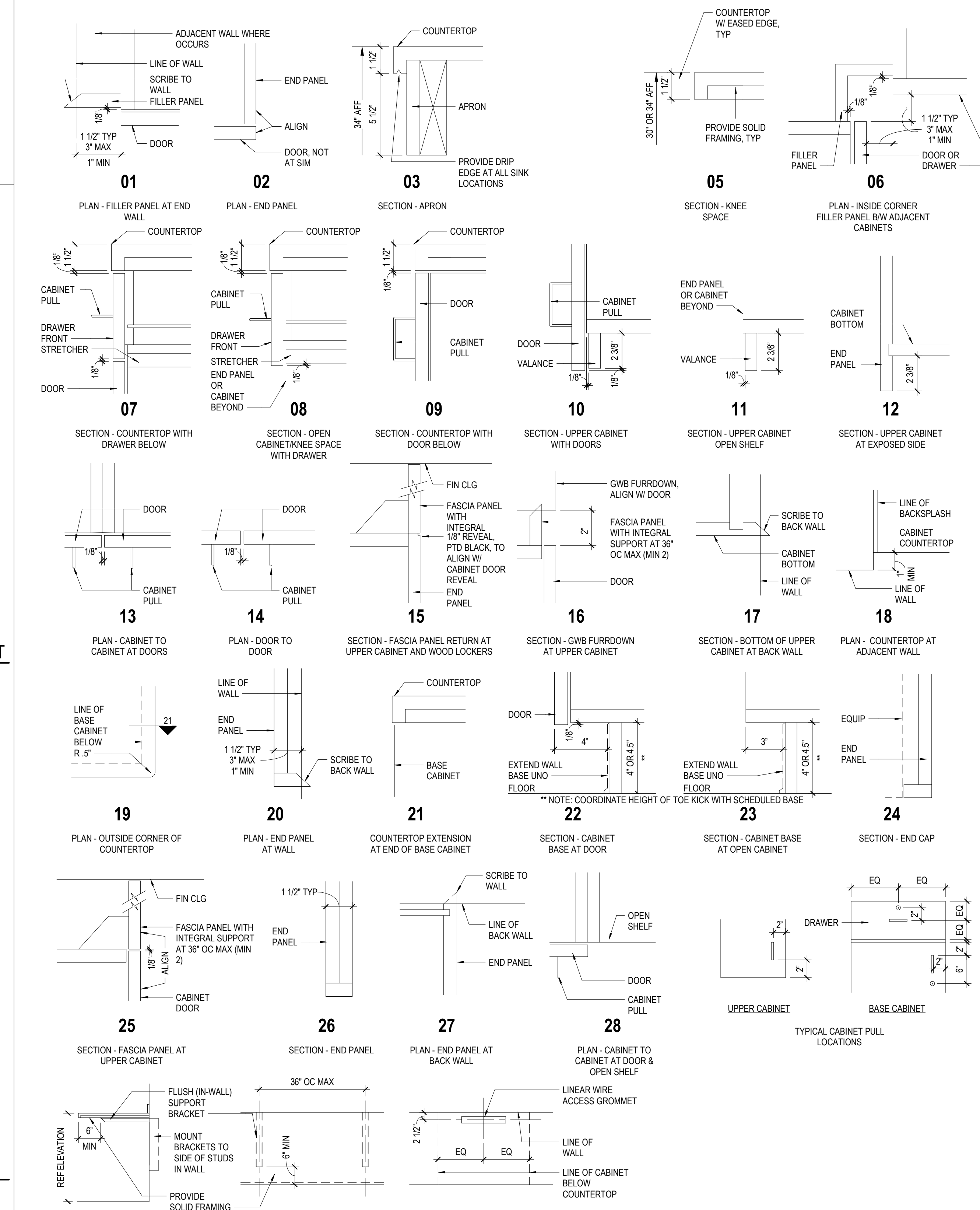
TYPICAL CASEWORK DIMENSIONS



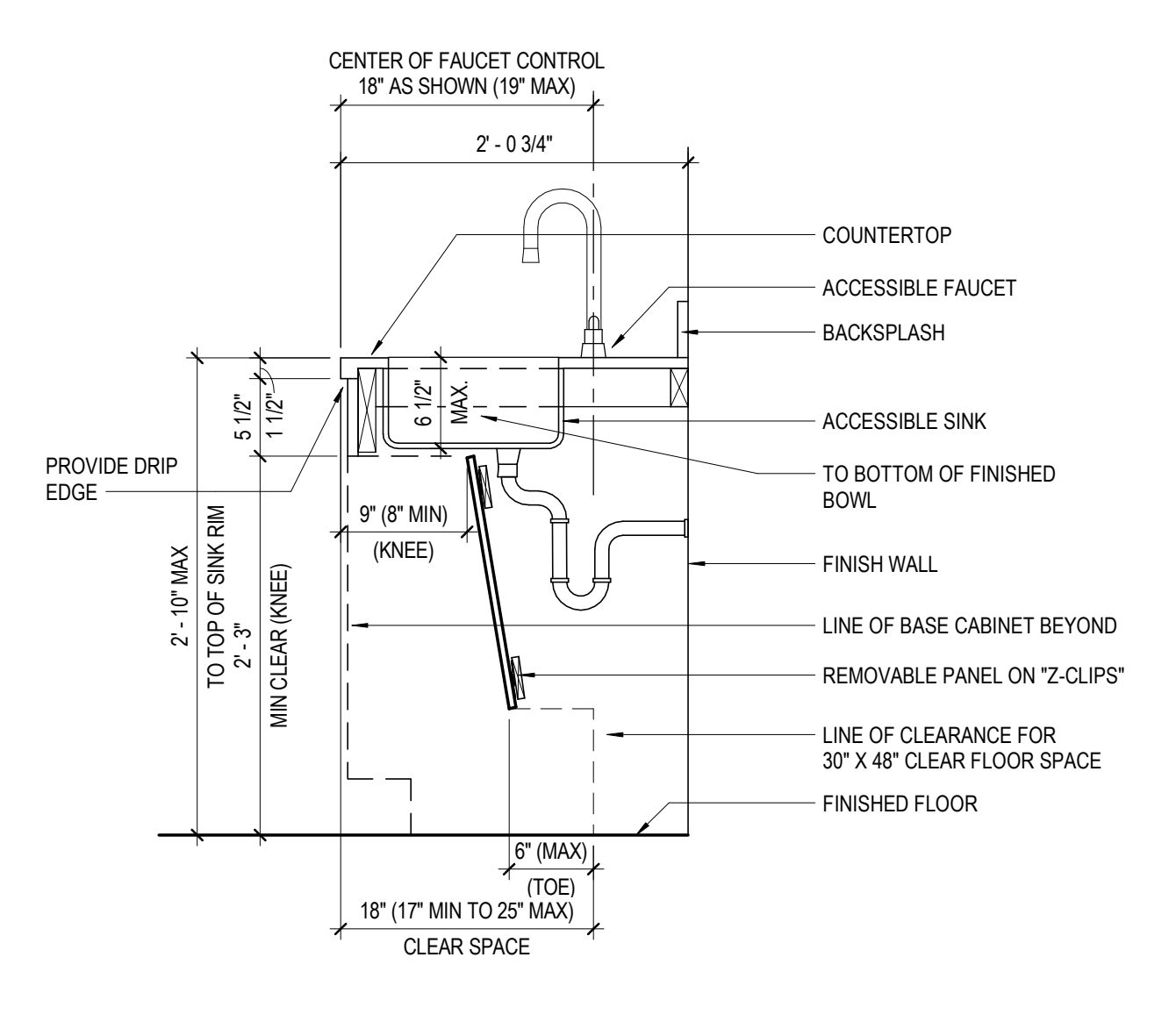
GENERAL CASEWORK NOTES

- CABINET WIDTHS TO BE BASED ON MODULE INCREMENTS OF 3" U.N.O.
- PROVIDE FILLER PANELS TO FINISH OUT TO SCRIBE CABINETS TO WALL.
- PROVIDE FILLER PANELS AND TRIM WHERE EQUIPMENT IS LOCATED WITHIN CABINETS.
- PROVIDE FINISHED END PANELS AND RETURNS AT OPEN ENDED CABINETS, KNEE SPACES, AND ACCESSIBLE SINKS.
- PROVIDE 1 1/2" THICK FINISHED END PANEL AT FREE STANDING END OF ACCESSIBLE SINKS AND KNEE SPACES.
- WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE OF EQUAL WIDTH.
- PROVIDE WALL BRACKET SUPPORTS AT 36" O.C. MAX TO SUPPORT COUNTERTOP AT CONTINUOUS KNEE SPACE.
- PROVIDE CONTINUOUS BACKSPLASH AT ALL LOCATIONS INCLUDING END SPLASH WHEN COUNTERTOPS ARE ADJACENT TO WALL.
- PROVIDE HOLES FOR GROMMETS IN COUNTERTOPS AT KNEE SPACES FOR WIRE ACCESS. PROVIDE 1 AT EACH KNEE SPACE OR 1 AT EVERY 36" O.C. MAX ALONG RUNS OF KNEE SPACE. POWER OUTLETS AND DATA ARE BELOW COUNTER, TYP. U.N.O.
- PROVIDE ADJUSTABLE SHELVES IN CABINETS AS SPECIFIED BY CABINET TYPE.
- GLASS FRONTS TO BE 1/4" THICK CLEAR TEMPERED GLASS, U.N.O.
- PROVIDE AN APRON AT ALL KNEE SPACES 30" OR HIGHER, U.N.O.
- GWB FURRDOWNS ARE STANDARD AT ALL UPPER AND FULL HEIGHT CASEWORK, U.N.O.
- TOP OF ALL CASEWORK 8" AT 7'-0" TO ALIGN WITH TOP OF DOOR FRAME. WHERE GWB FURRDOWNS OCCUR, PROVIDE 2" FILLER PANEL WITH GWB STARTING AT 7'-2" TO ALIGN WITH TOP OF DOOR FRAME.
- REFER TO SPECIFICATION SECTION 12 32 00 FOR FURTHER ARCHITECTURAL CASEWORK REQUIREMENTS.
- CONCEALED HINGES ARE STANDARD AT ALL CASEWORK IN PUBLIC SPACES AND/OR HIGH DESIGN AREAS.
- ALL UNDER CABINET TASK LIGHTS TO HAVE 1 1/2" HIGH VALANCE, USING EITHER THE DOORS OF THE CABINET OR A SEPARATE PLAM RAIL, ATTACHED TO THE BOTTOM OF THE CABINET.
- COORDINATE HEIGHT OF TOE KICK WITH SCHEDULED BASE (4" AND 4 1/2").

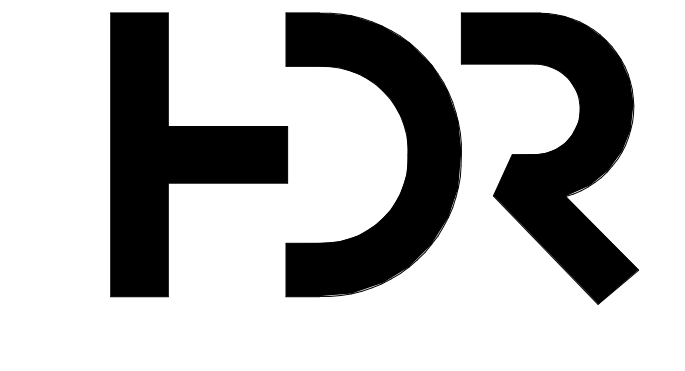
TYPICAL CASEWORK DETAILS



2 TYP STUD WALL SUPPORTING CABINETRY OR EQUIPMENT



1 ACCESSIBLE FRONT APPROACH SINK SECTION



HDR Architecture
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MOUNTAIN LINE

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- Project Manager** Patrick Glowacki
Project Designer Katherine Dutzik Smith
Project Architect Rachel McAdoo
Landscape Architect Claire Edelman-Health
Civil Engineer Abhay Khaire
Structural Engineer Chad Stoppel
Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbie Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

MARK	DATE	DESCRIPTION
SD	04.15.2024	SD DRAWINGS

MARK	DATE	DESCRIPTION

Project Number 10380810
Original Issue 04/15/2024

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INTERIOR CASEWORK STANDARDS

Sheet Name
A-731
Project Status
SCHEMATIC DESIGN DRAWINGS

4/15/2024 4:12:38 PM BH 380/10380810_M_Kasper_MountainLine.dwg 08:30 Standard Types

0 1/2" 1" 2"

INTERIOR FLOOR FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
---	---
CFS1	CFS1
CFS2	CFS2
CFS1/RST1	CFS1/RST1
NET1	NET1
RFT1	RFT1
SEE SPEC	SEE SPEC
SEF1	SEF1
SSS1	SSS1



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Landscape Architect Claire Edelman-Heath
Civil Engineer Abhay Khaire
Structural Engineer Chad Sippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbie Ramey
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Equipment Planner Ken Booth
Wayfinding

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX



FLOOR FINISHES

---	CFSH1	SEE SPEC
CFS1	CPT3	SEF1
CFS1/RST1	NET1	SSS1
CFS2	RFT1	

1 PHASE 01 - INTERIOR FLOOR FINISH PLAN - LEVEL 01

1/8" = 1'-0"

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Project Number 1038010
Original Issue 03/18/24

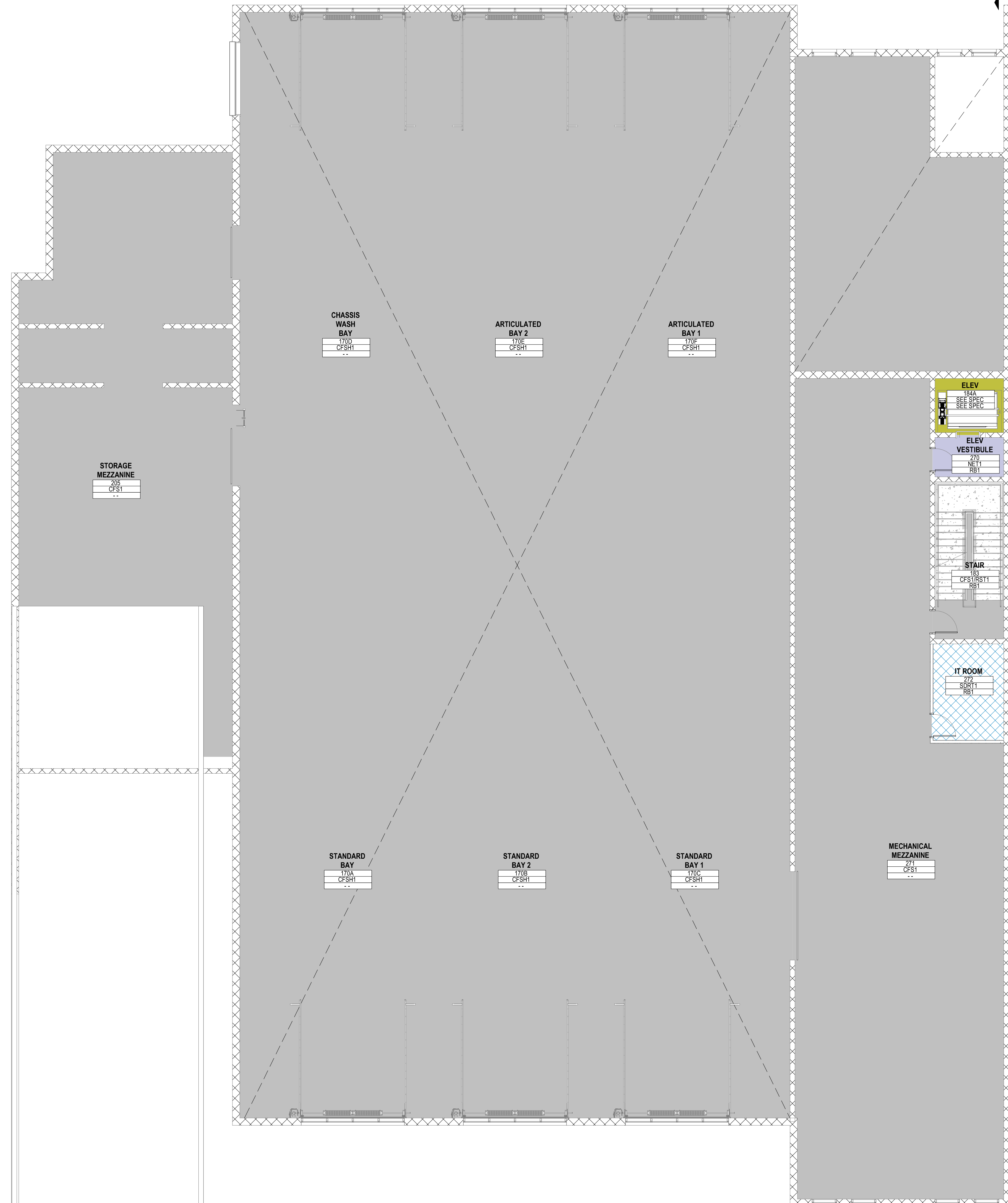
PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 01 - INTERIOR FLOOR FINISH PLAN - LEVEL 01


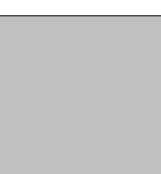


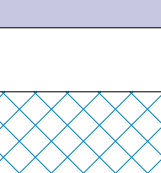

Sheet Number
I-111

Project Status
SCHEMATIC DESIGN DRAWINGS

0 1/2" 1" 2"









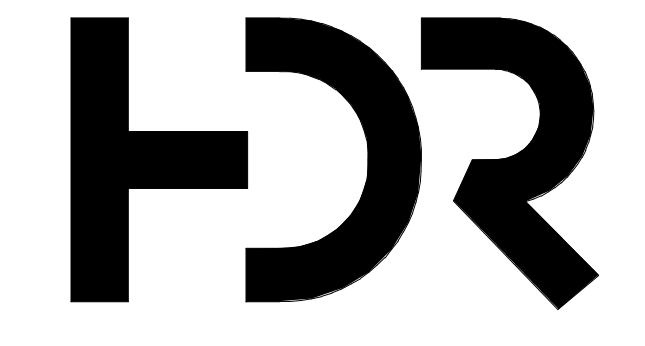
FLOOR FINISHES

-  CFS1
-  CFS1/RST1
-  CFSH1
-  NET1
-  SDRT1
-  SEE SPEC

INTERIOR FLOOR FINISH PLAN LEGEND

NOTE: REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
	CFS1
	CFS1/RST1
	CFSH1
	NET1
	SDRT1
	SEE SPEC



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Wayfinding	

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX

A5 PHASE 01 - INTERIOR FLOOR FINISH PLAN - LEVEL 02
1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 01 - INTERIOR FLOOR FINISH PLAN - LEVEL 02

Sheet Number
I-112

Project Status
SCHEMATIC DESIGN DRAWINGS

4829046_215490.dwg B:\11380810_Mt_Kasper Maintenance Facility\2021\10380810_Mt_Kasper_2021.dwg HDR Architects

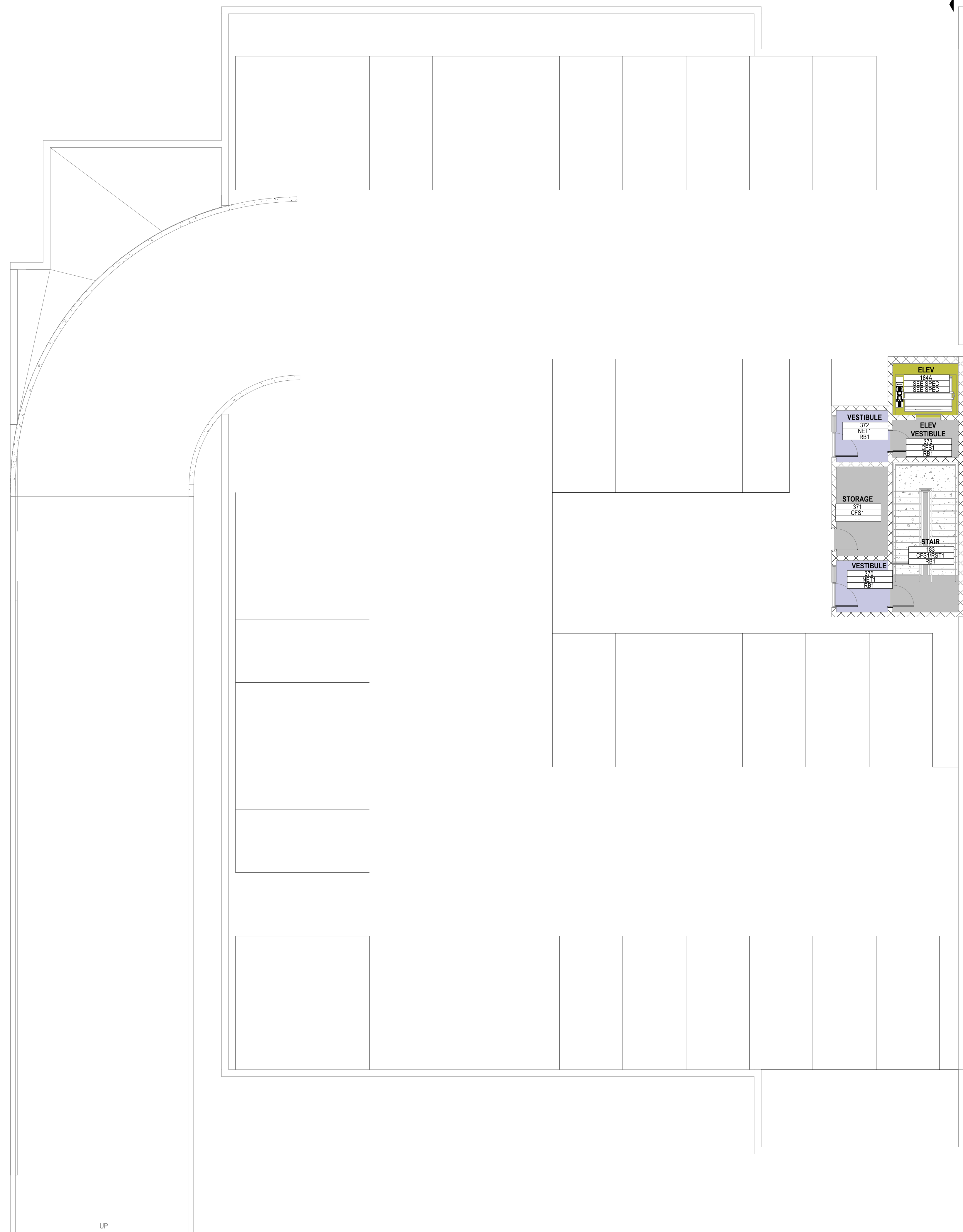
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D

C

B

A



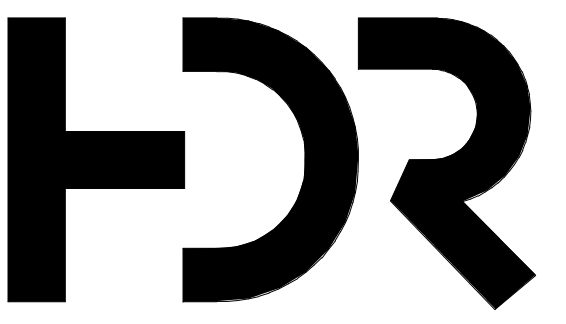
FLOOR FINISHES

- CFS1
- CFS1/RST1
- NET1
- SEE SPEC

INTERIOR FLOOR FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
FLOOR	WALL FINISH
BASE	BASE FINISH



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Structural Engineer	Chad Sippel
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Electrical Engineer	Stephen Bowcock
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Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX

Project Number	10380810
Original Issue	03/18/24

PRELIMINARY
NOT FOR CONSTRUCTION

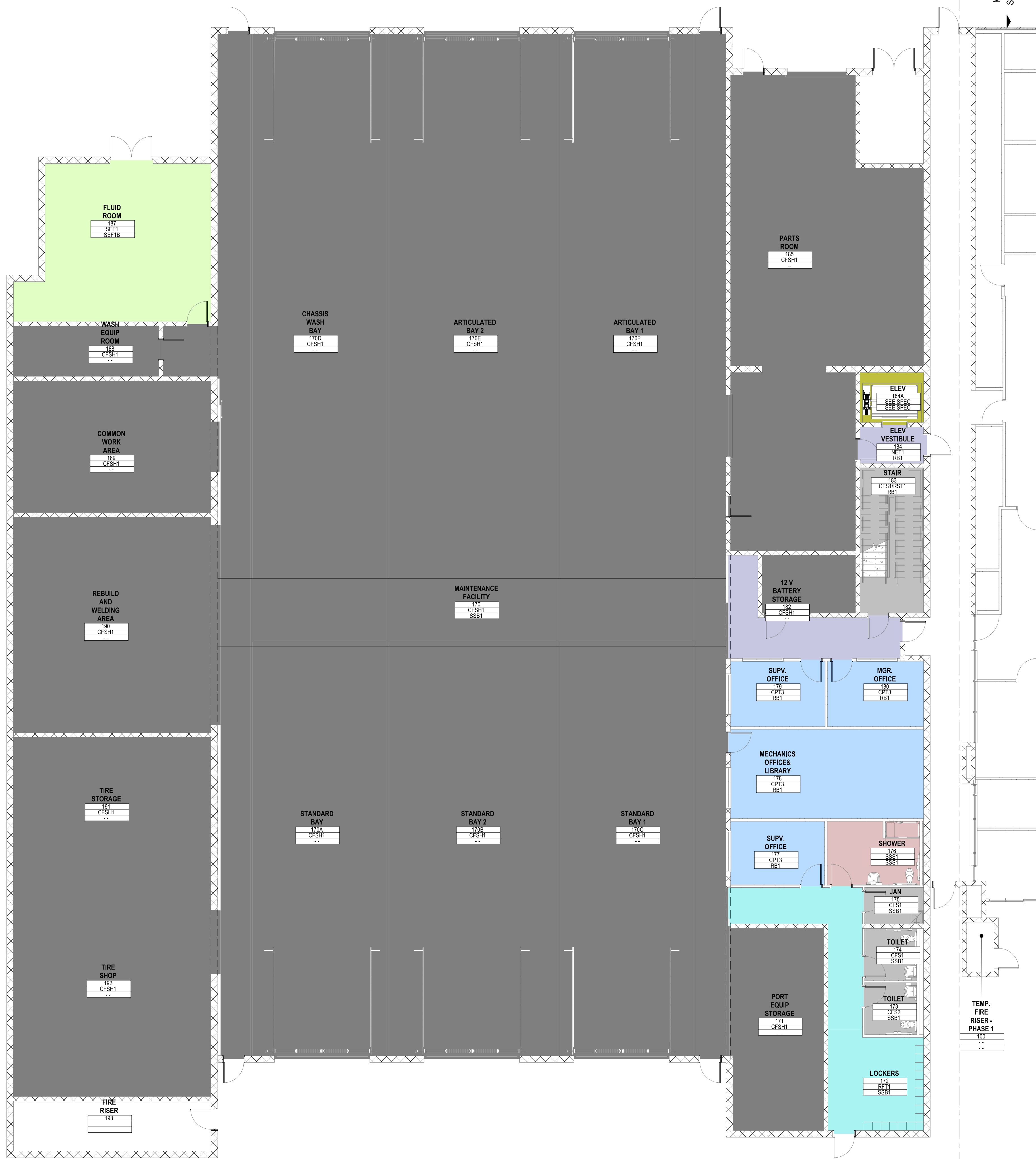
Sheet Name
PHASE 01 - INTERIOR FLOOR FINISH PLAN - LEVEL 03

Sheet Number
I-113

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 01 - INTERIOR FLOOR FINISH PLAN - LEVEL 03
1/8" = 1'-0"

0 1/2" = 1'



MATCHLINE
SEE A5 14-20

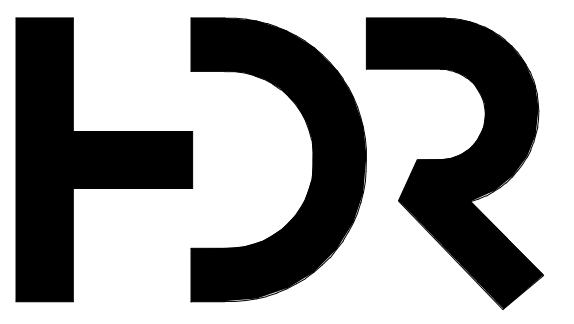
FLOOR FINISHES

	--		NET1
	CFS1		RFT1
	CFS1/RST1		SEE SPEC
	CFS2		SEF1
	CFSH1		SSS1
	CPT3		

**INTERIOR FLOOR FINISH
PLAN LEGEND**

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET
1-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER	WALL FINISH	BASE FINISH
---	---	---	---



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Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX

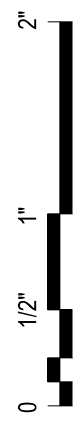
A5 PHASE 01 - INTERIOR FLOOR FINISH MAINTENANCE FACILITY - LEVEL 01
1/8" = 1'-0"

**PHASE 01 - INTERIOR
FLOOR FINISH PLANS
-MAINTENANCE
FACILITY - LEVEL 01**

Sheet Number
I-117

Project Status
SCHEMATIC DESIGN DRAWINGS

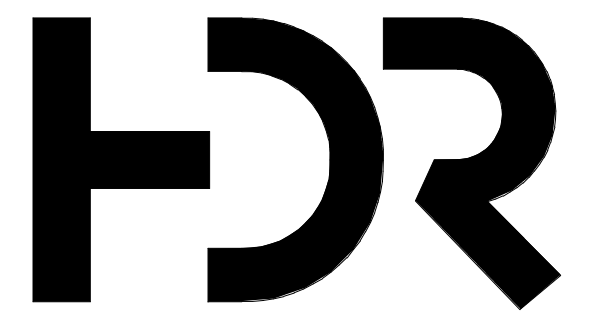
PRELIMINARY
NOT FOR CONSTRUCTION



INTERIOR FLOOR FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER	WALL FINISH	BASE FINISH
STAIR	210	NET1	SDRT1
IT ROOM	224	NET1	SDRT1
ELEV VESTIBULE	211	NET1	SDRT1
ELEV	214	SEE SPEC	SEE SPEC



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Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

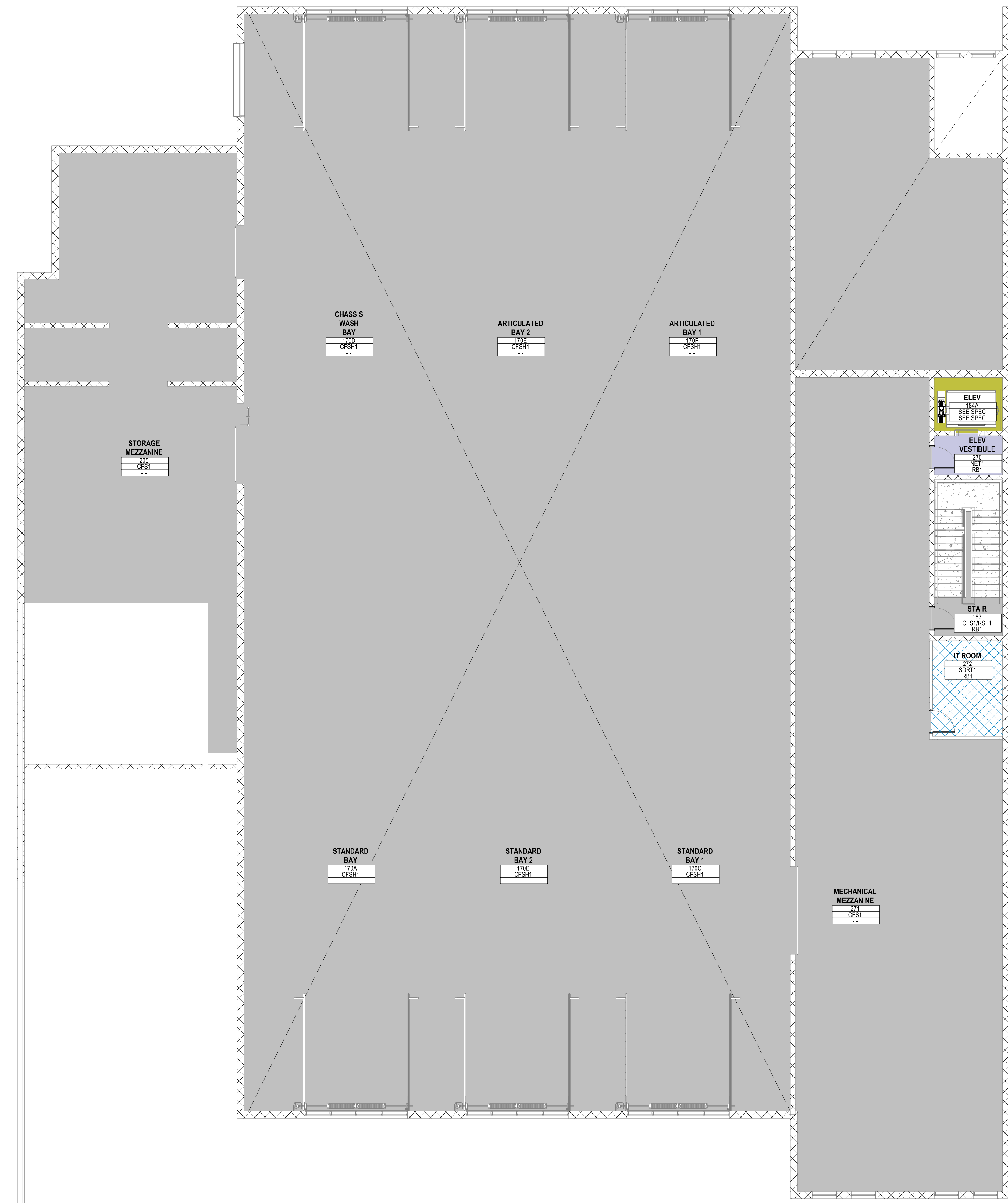
Project Number	10380810
Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 01 - INTERIOR FLOOR FINISH PLANS - MAINTENANCE FACILITY - LEVEL 02 (MEZZANINE)

Sheet Number
I-118

Project Status
SCHEMATIC DESIGN DRAWINGS



MATCHLINE
SEE A5/ I-120

FLOOR FINISHES

CFS1

CFS1/RST1

CFSH1

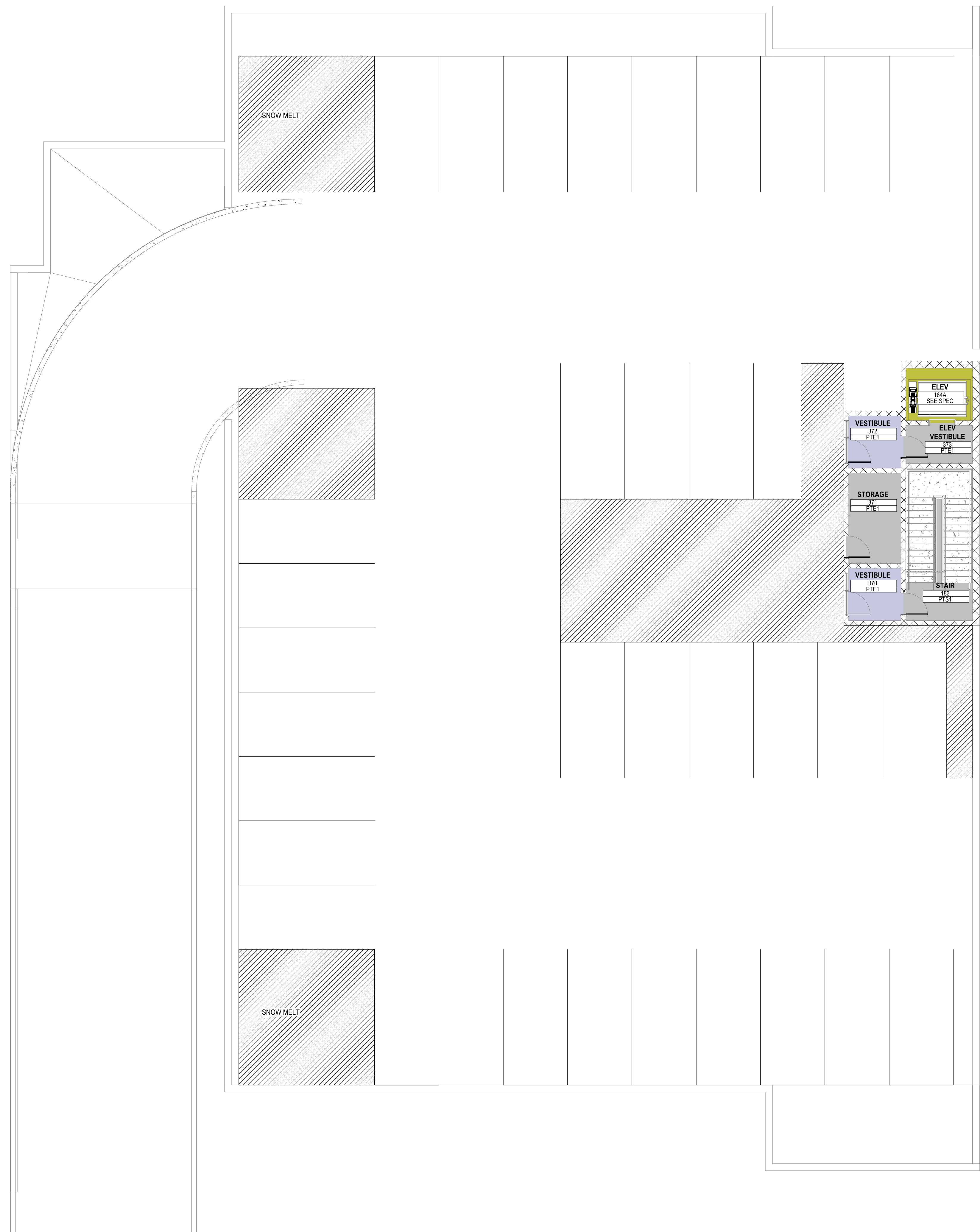
NET1

SDRT1

SEE SPEC

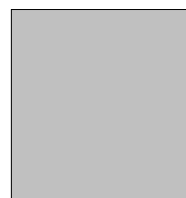
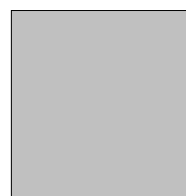
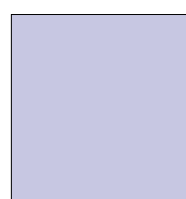
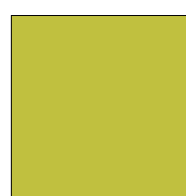
A5 PHASE 01 - INTERIOR FLOOR FINISH MAINTENANCE FACILITY - LEVEL 02 (MEZZANINE)
1/8" = 1'-0"

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4/23/2024 10:25:49 AM
Floor Plans





MATCHLINE
SEE A5/ I-20

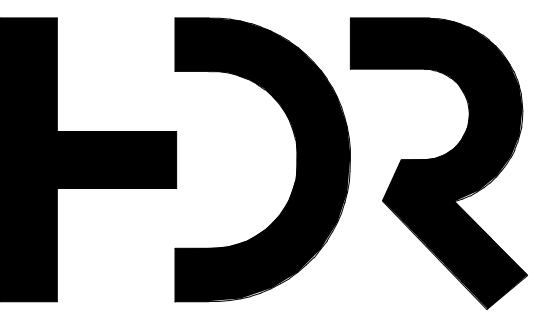
FLOOR FINISHES

-  CFS1
-  CFS1/RST1
-  NET1
-  SEE SPEC

INTERIOR FLOOR FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
	WALL FINISH
	BASE FINISH



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Wayfinding	

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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX

Project Number	10380810
Original Issue	03/19/24

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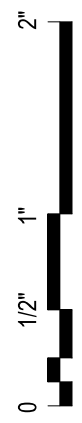
Sheet Name

PHASE 01 - INTERIOR FLOOR FINISH PLANS - MAINTENANCE FACILITY - LEVEL 03 (PARKING)

Sheet **I-119**

Project Status
SCHEMATIC DESIGN DRAWINGS

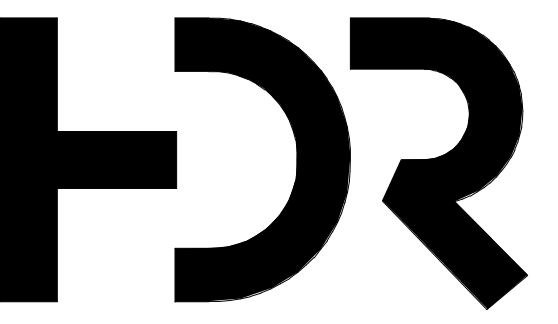
A5 PHASE 01 - INTERIOR FLOOR FINISH MAINTENANCE FACILITY - LEVEL 03 (PARKING)
1/8" = 1'-0"



INTERIOR FLOOR FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET
1001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
FLOOR	WALL FINISH
BASE	BASE FINISH



HDR Architecture
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MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Abhay Khaire
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number	10380810
Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

PHASE 02 - INTERIOR FLOOR FINISH PLANS - OFFICE AREA - LEVEL 01

Sheet Number

I-122

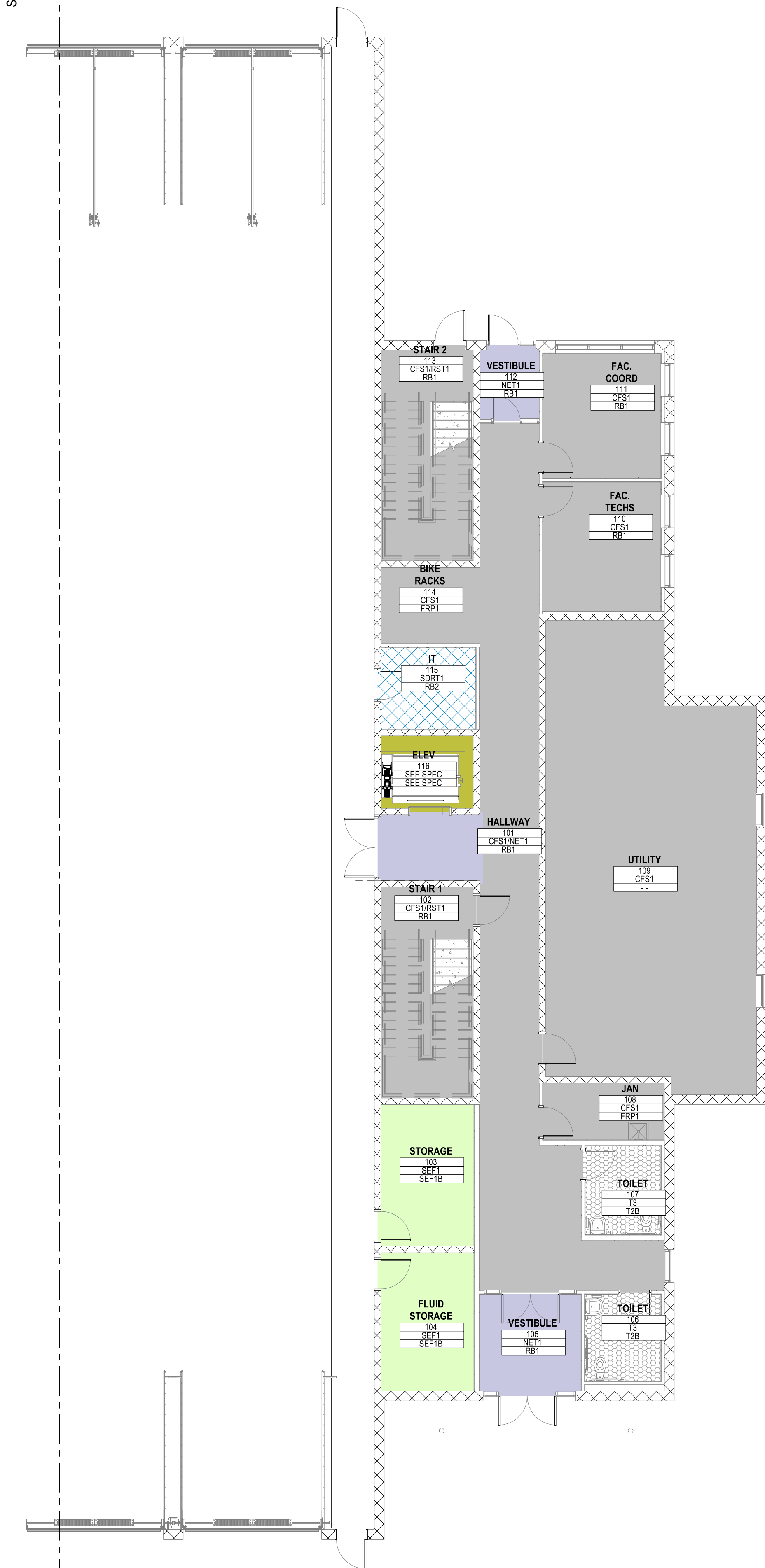
Project Status
SCHEMATIC DESIGN DRAWINGS

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX

FLOOR FINISHES

	CFS1		SEE SPEC
	CFS1/NET1		SEF1
	CFS1/RST1		T3
	NET1		
	SDRT1		

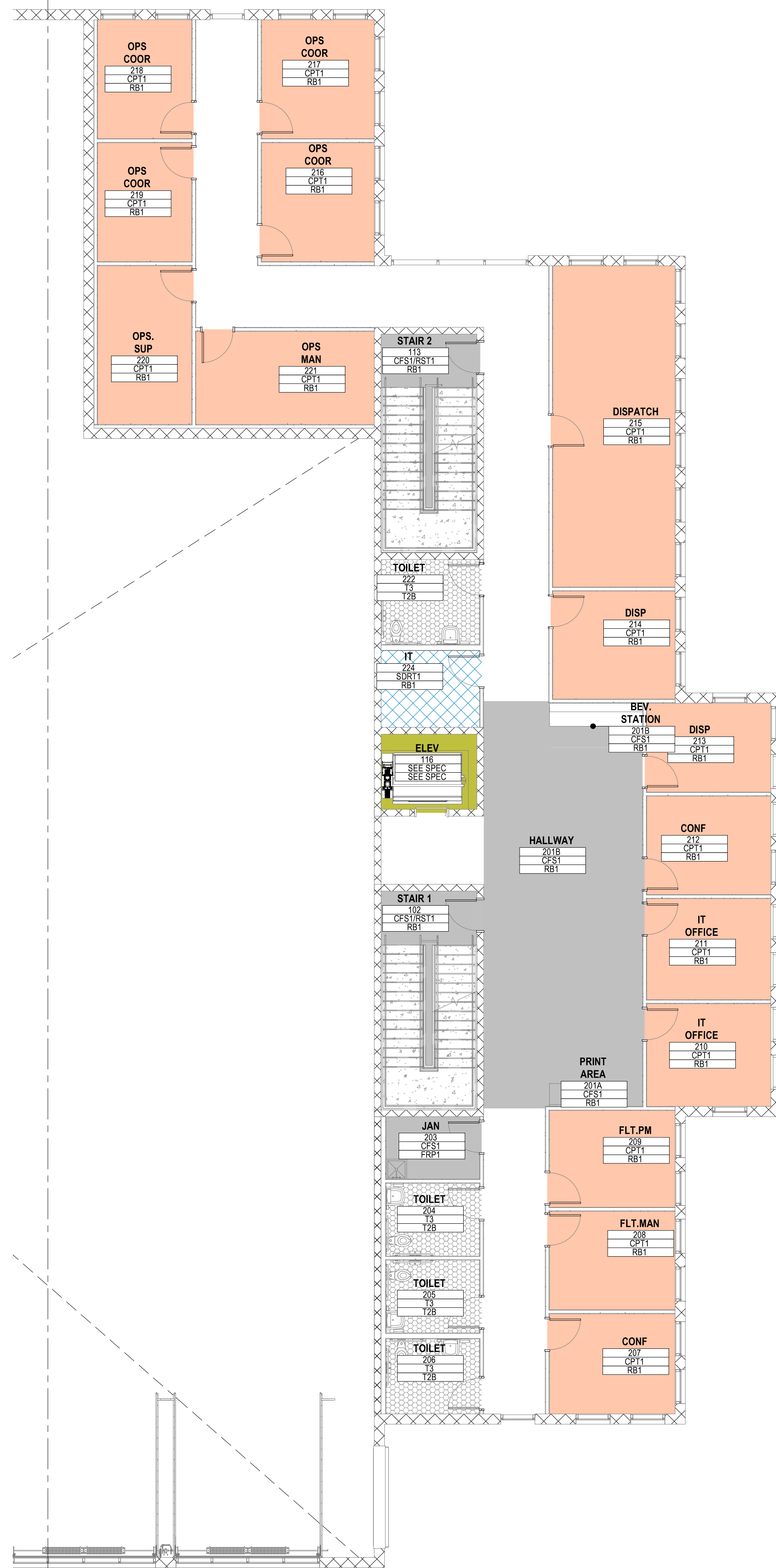
MATCHLINE
SEE A5' I-120





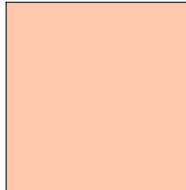
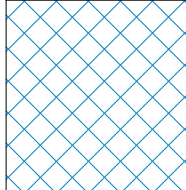
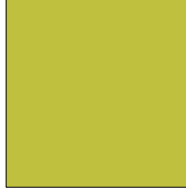
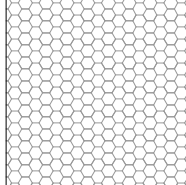
A5 PHASE 02 - INTERIOR FLOOR FINISH OFFICE AREA - LEVEL 01
1/8" = 1'-0"

0 1/2" 1' 2"

MATCHLINE
SEE A5/ A-113



FLOOR FINISHES

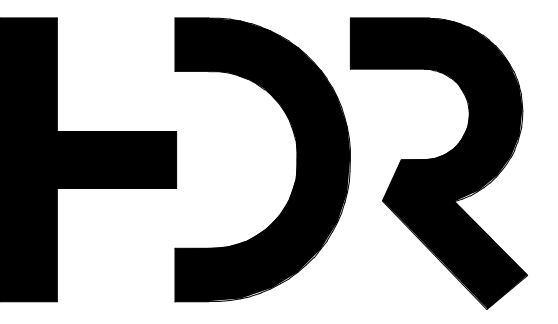
-  CFS1
-  CFS1/RST1
-  CPT1
-  SDRT1
-  SEE SPEC
-  T3

A5 PHASE 02 - INTERIOR FLOOR FINISH OFFICE AREA - LEVEL 02
1/8" = 1'-0"

**INTERIOR FLOOR FINISH
PLAN LEGEND**

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET
I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
TOILET	222
FLOOR	218
WALL FINISH	217
BASE FINISH	216



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Wayfinding	

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX

Project Number	10380810
Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

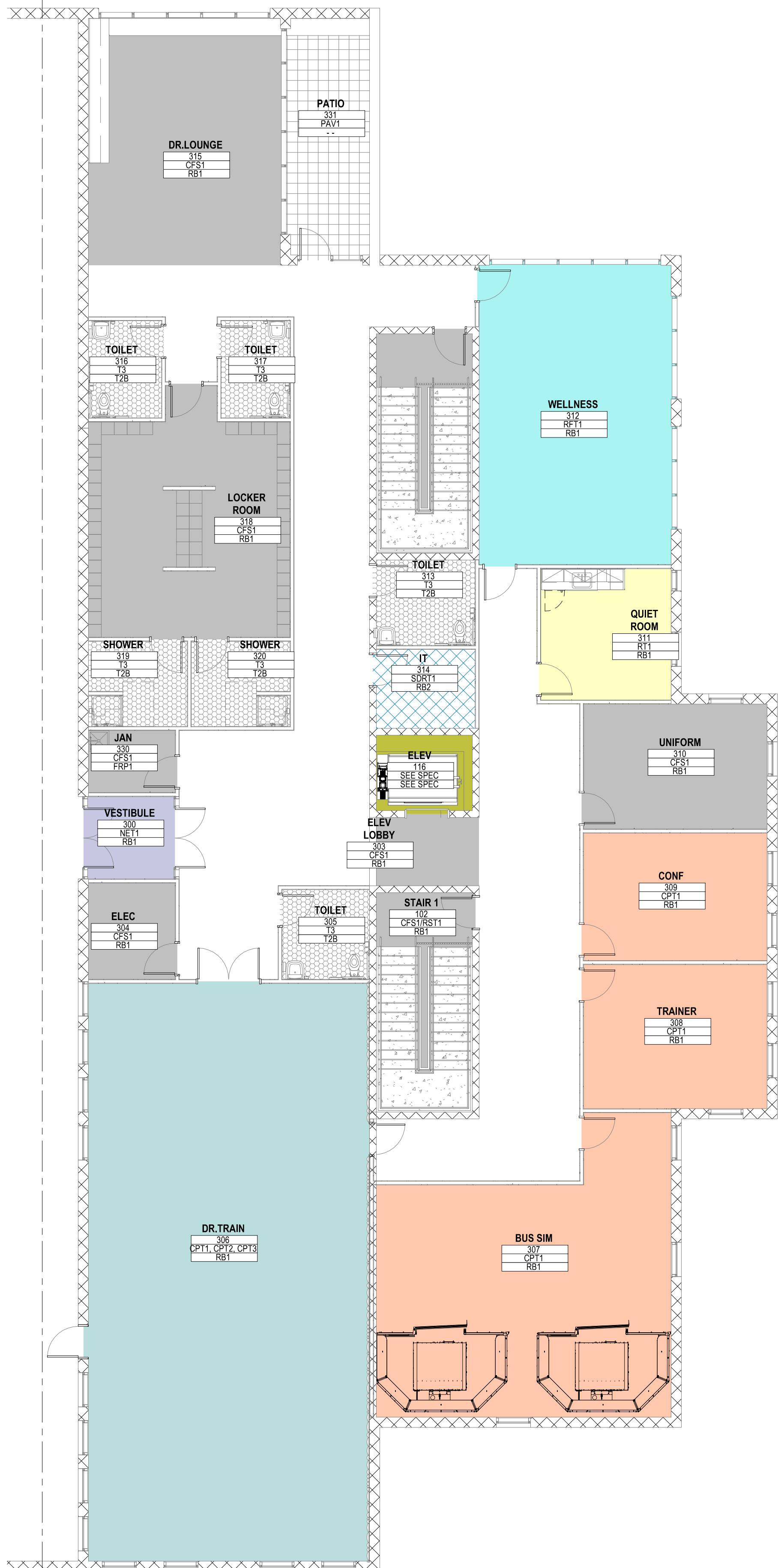
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**PHASE 02 - INTERIOR
FLOOR FINISH PLANS -
OFFICE AREA - LEVEL
02**

Sheet Number
I-123

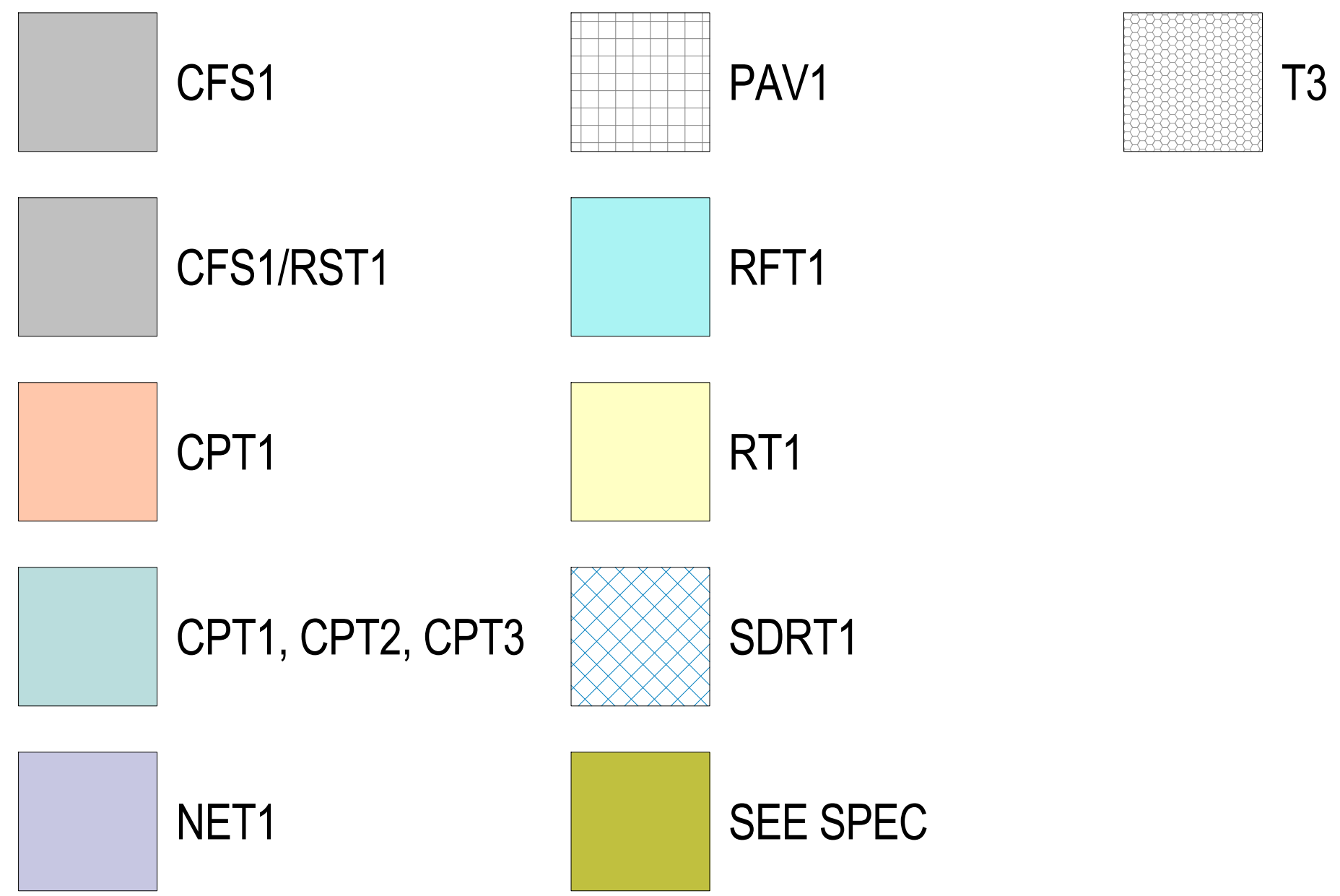
Project Status
SCHEMATIC DESIGN DRAWINGS

0 1/2" 1" 2"

MATCHLINE
SEE A5/ I-120









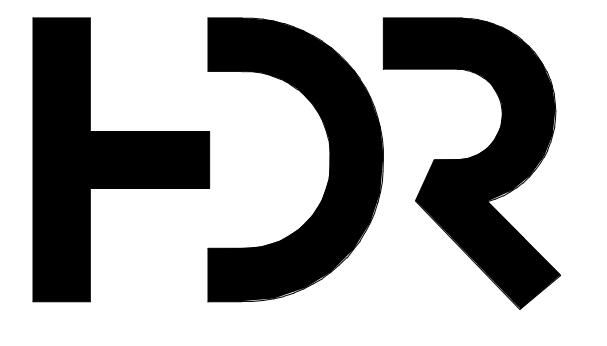
FLOOR FINISHES



INTERIOR FLOOR FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
	CFS1
	RFT1
	RT1
	CPT1
	NET1
	SEE SPEC



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Wayfinding	

Drawn By	Author	
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

IN1 - XXXX
IN2 - XXXX
IN3 - XXXX

Project Number	10380810
Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 02 - INTERIOR FLOOR FINISH PLANS - OFFICE AREA - LEVEL 03

Sheet Number
I-124

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 02 - INTERIOR FLOOR FINISH OFFICE AREA - LEVEL 03
1/8" = 1'-0"

4829046_25045.dwg BIM 360/10380810_Mt_Kasper_Maintenance_Facility_2024/10380810_Mt_Kasper_2024.rvt
4829046_25045.dwg
Finish Plans

0 1/2" 1' 2"

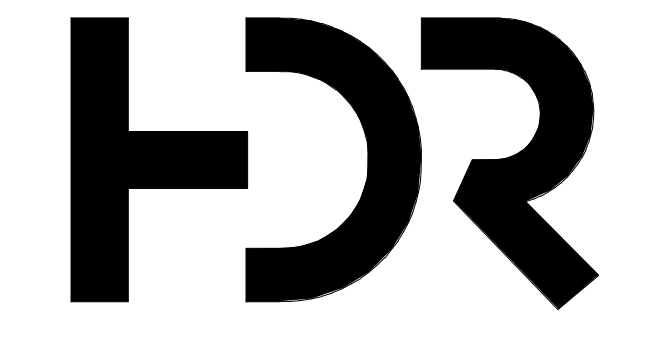


INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
WALL	WALL FINISH

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Project Designer	Rachel McAdoo
Project Architect	Claire Edelman-Heath
Landscape Architect	Ashay Khaira
Civil Engineer	Chad Sippel
Structural Engineer	Brett McQuillan
Mechanical Engineer	Stephen Bowcock
Electrical Engineer	Robbie Ramey
Plumbing Engineer	Jessi Levin
Interior Designer	Ken Booth
Equipment Planner	
Wayfinding	

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

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Project Number	Original Issue
10380810	03/18/24

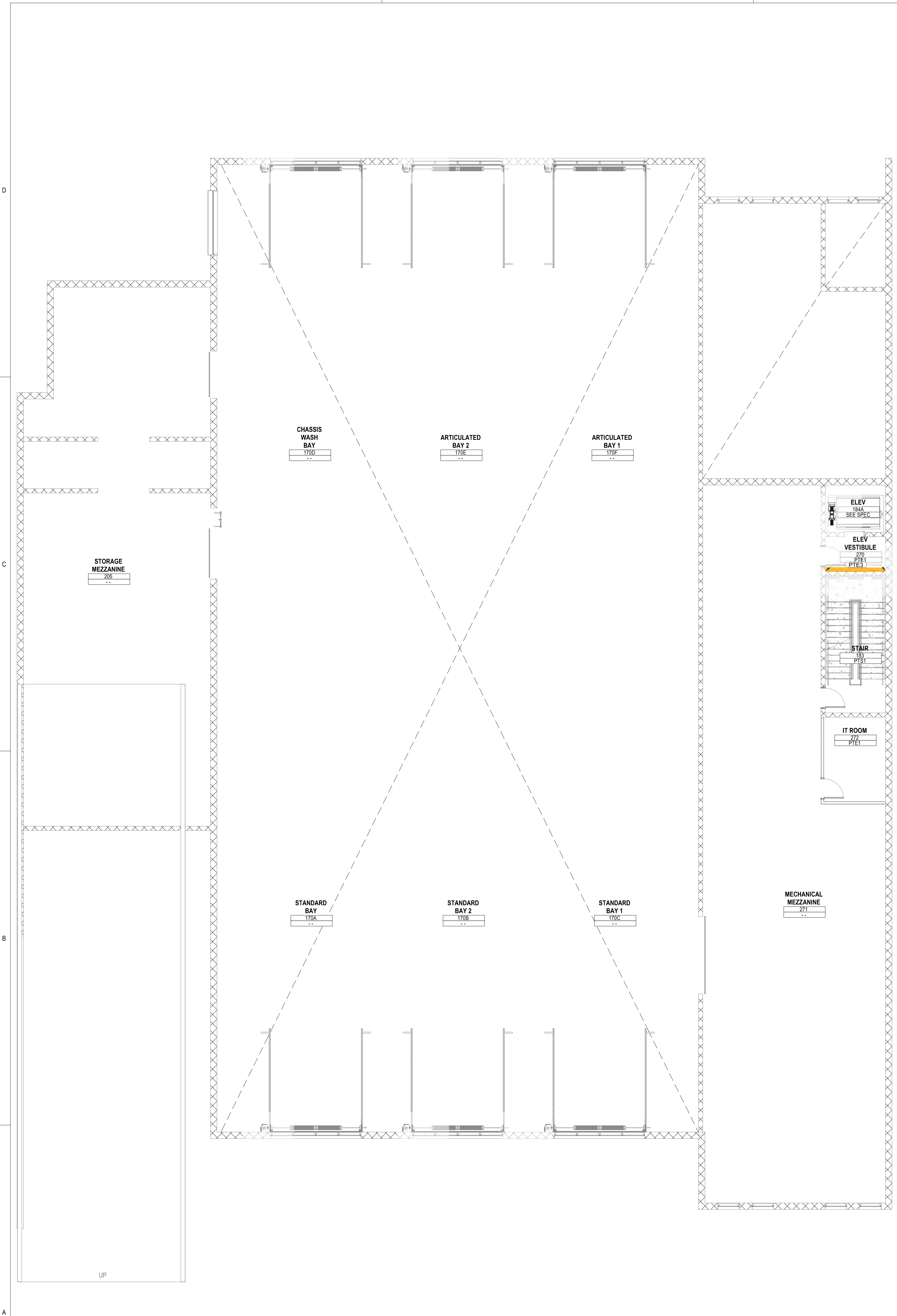
PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 01 - INTERIOR WALL FINISH PLAN - LEVEL 01

Sheet Number
IN-131

Project Status
SCHEMATIC DESIGN DRAWINGS

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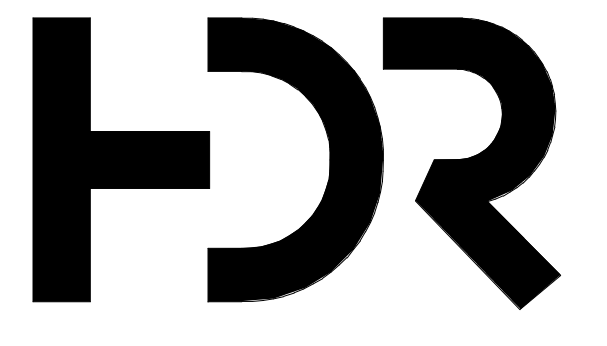
MATCHLINE
SEE A5' IN-140

INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME: ROOM NUMBER
WALL: WALL FINISH
WALL ACCENT

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number	10380810
Original Issue	03/18/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 01 - INTERIOR WALL FINISH PLAN - LEVEL 02

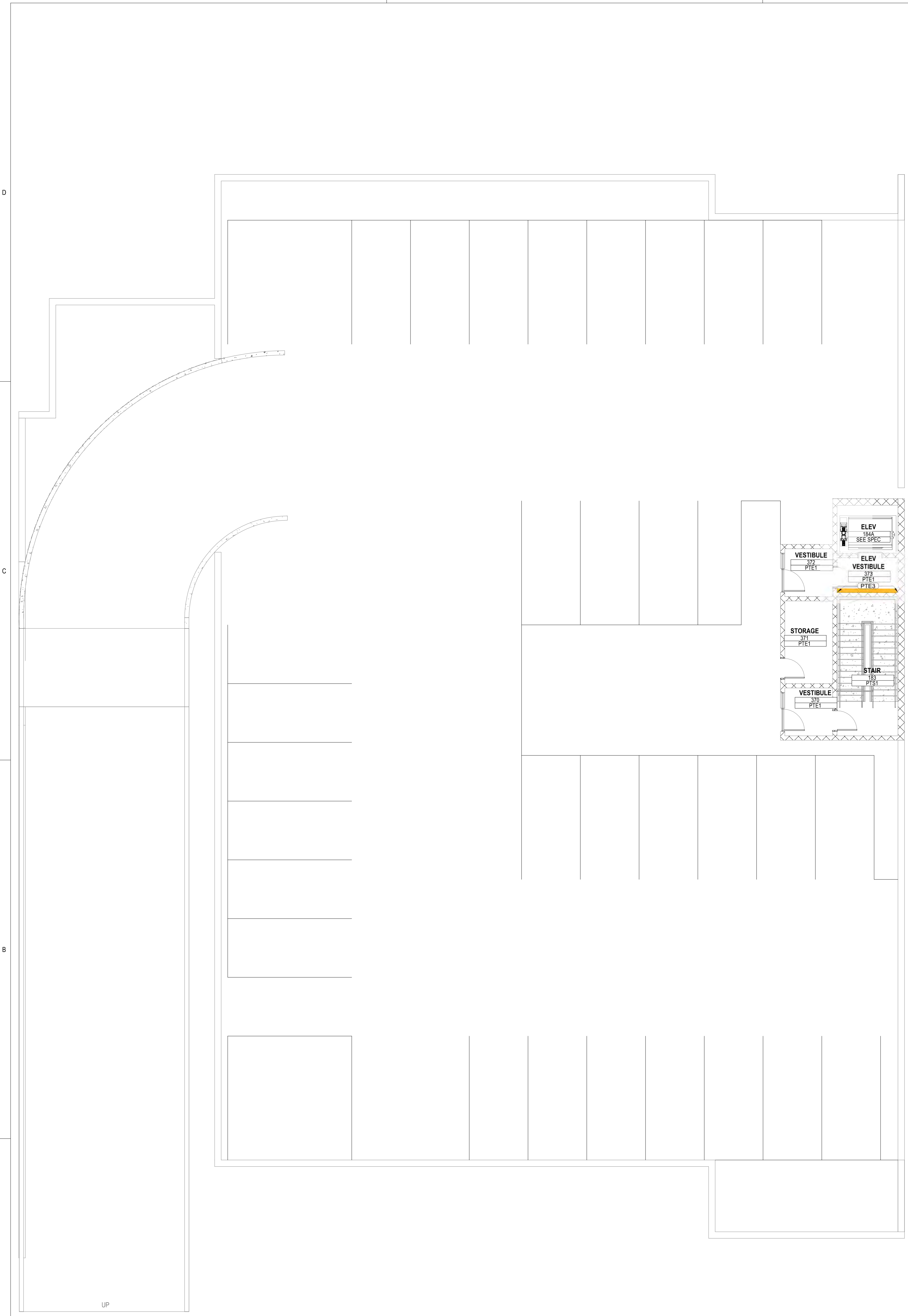
Sheet Number
IN-132

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 01 - INTERIOR WALL FINISH PLAN - LEVEL 02
1/8" = 1'-0"

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0 1/2" 1' 2'



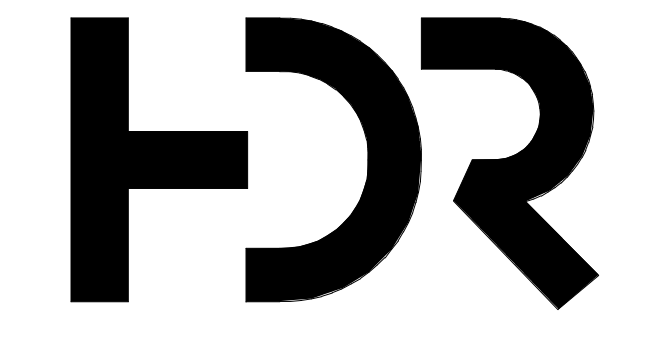
MATCHLINE
SEE A5 IN-140

INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
WALL	WALL FINISH

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By	Author
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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number	10380810
Original Issue	03/18/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 01 - INTERIOR WALL FINISH PLAN - LEVEL 03

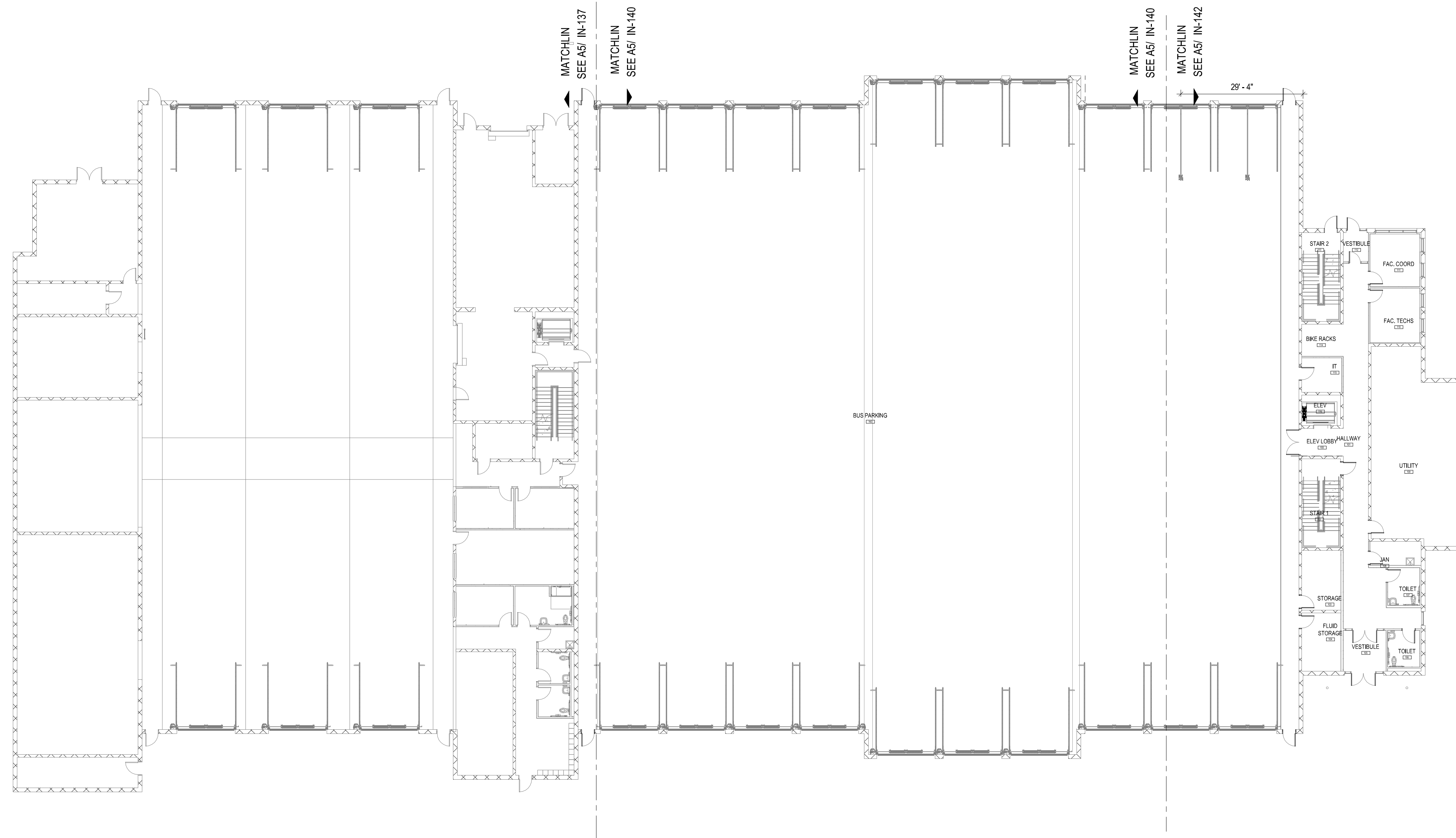
Sheet Number
IN-133

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 01 - OVERALL WALL FINISH PLAN - LEVEL 03
1/8" = 1'-0"

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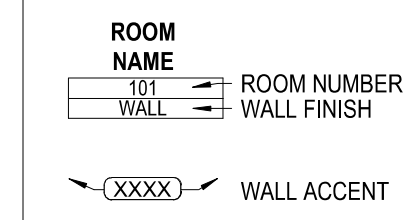
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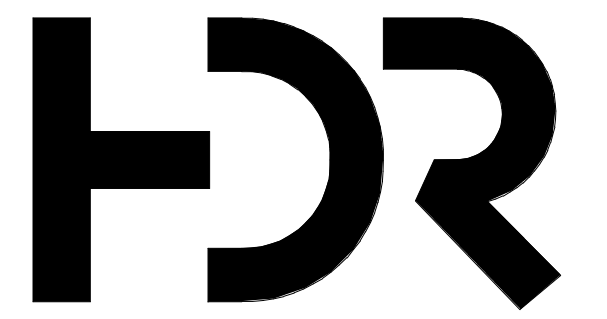
A5 PHASE 02 - INTERIOR WALL FINISH PLAN - LEVEL 01
1/16" = 1'-0"

INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.



- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Project Manager	Patrick Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Abhay Khaira
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number	10380810
Original Issue	11/21/2018

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 02 - INTERIOR WALL FINISH PLAN - LEVEL 01

Sheet Number
IN-134

Project Status
SCHEMATIC DESIGN DRAWINGS

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Print Files



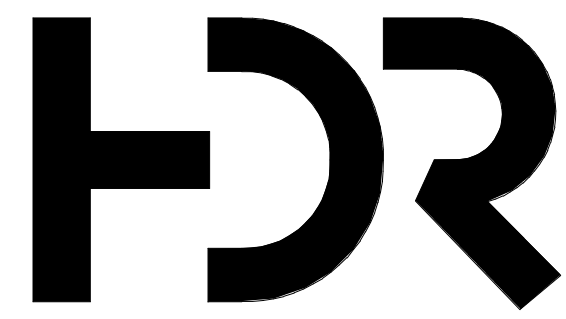
INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
WALL	WALL FINISH

WALL ACCENT

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Landscape Architect	Claire Edelman-Heath
Civil Engineer	Ashay Khaira
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Rossie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

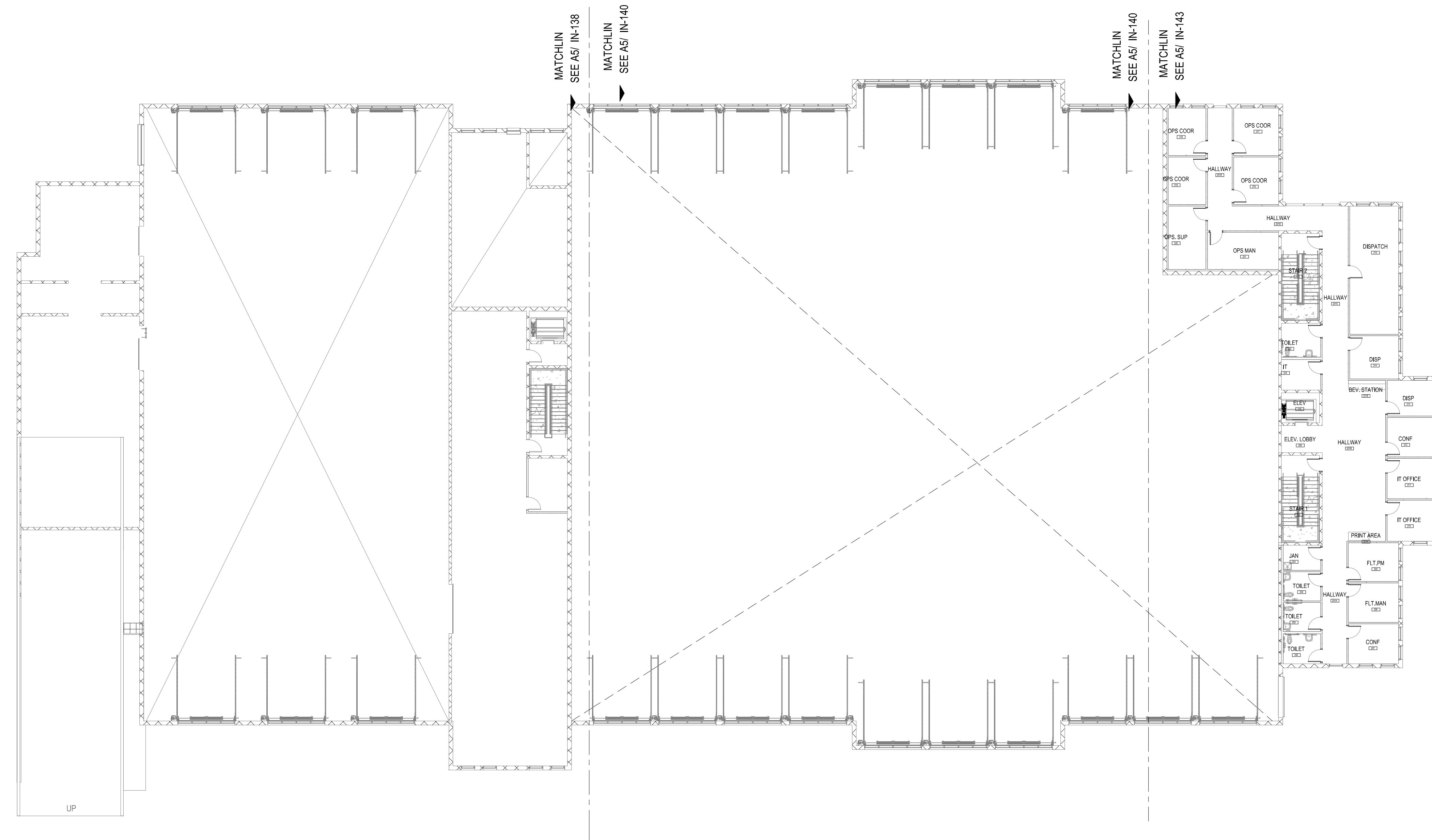
Project Number	10380810
Original Issue	03/18/24

PRELIMINARY
NOT FOR CONSTRUCTION

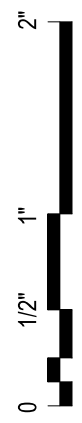
Sheet Name
PHASE 02 - INTERIOR WALL FINISH PLAN - LEVEL 02

Sheet Number
IN-135

Project Status
SCHEMATIC DESIGN DRAWINGS



A5 PHASE 02 - INTERIOR WALL FINISH PLAN - LEVEL 02
1/16" = 1'-0"



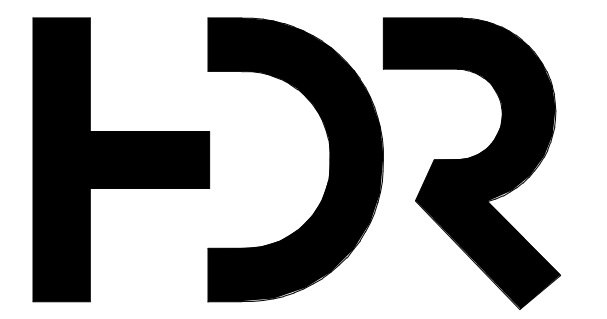
INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
WALL	WALL FINISH

WALL ACCENT

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

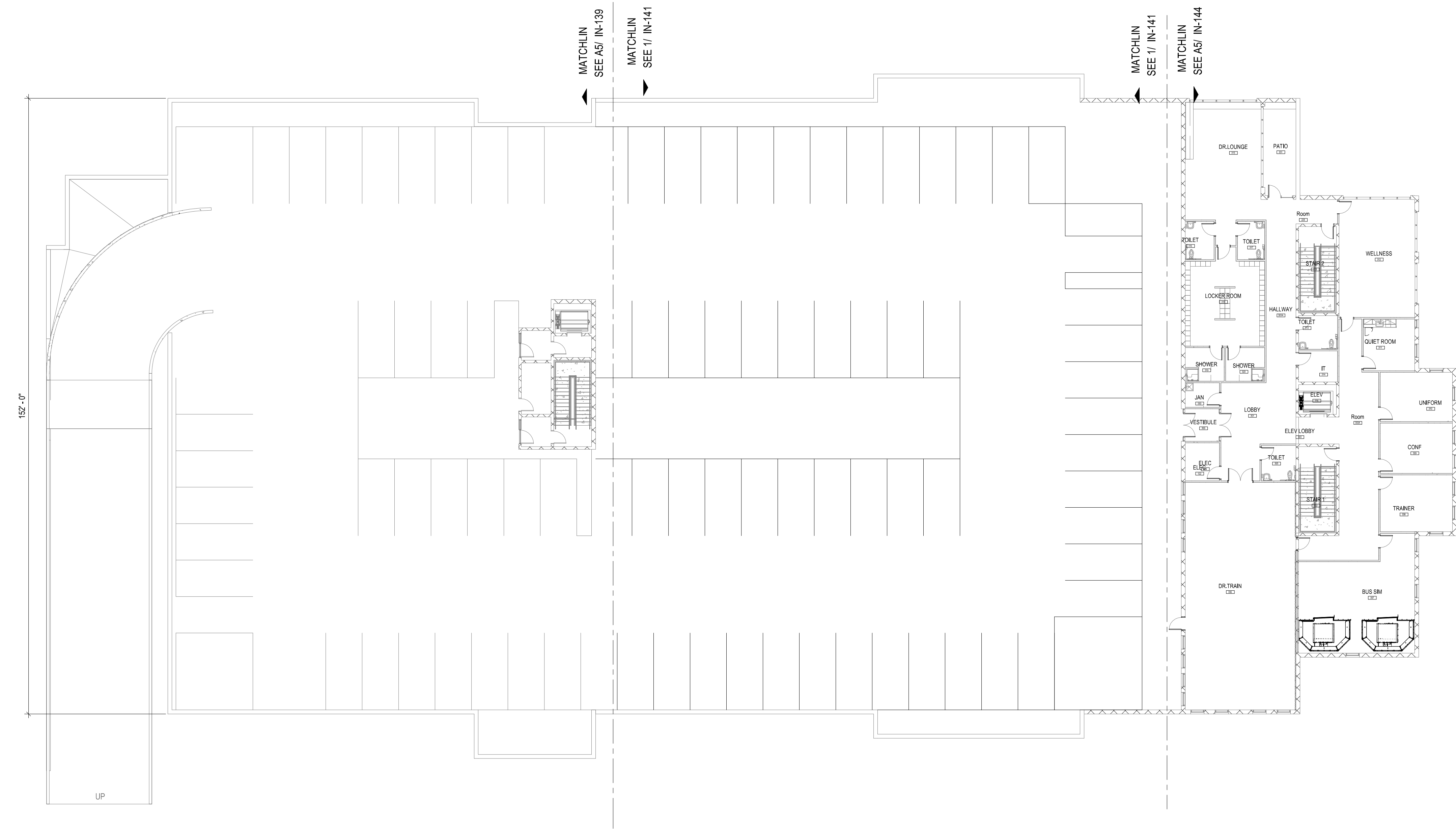
Project Number	10380810
Original Issue	03/18/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 02 - INTERIOR WALL FINISH PLAN - LEVEL 03

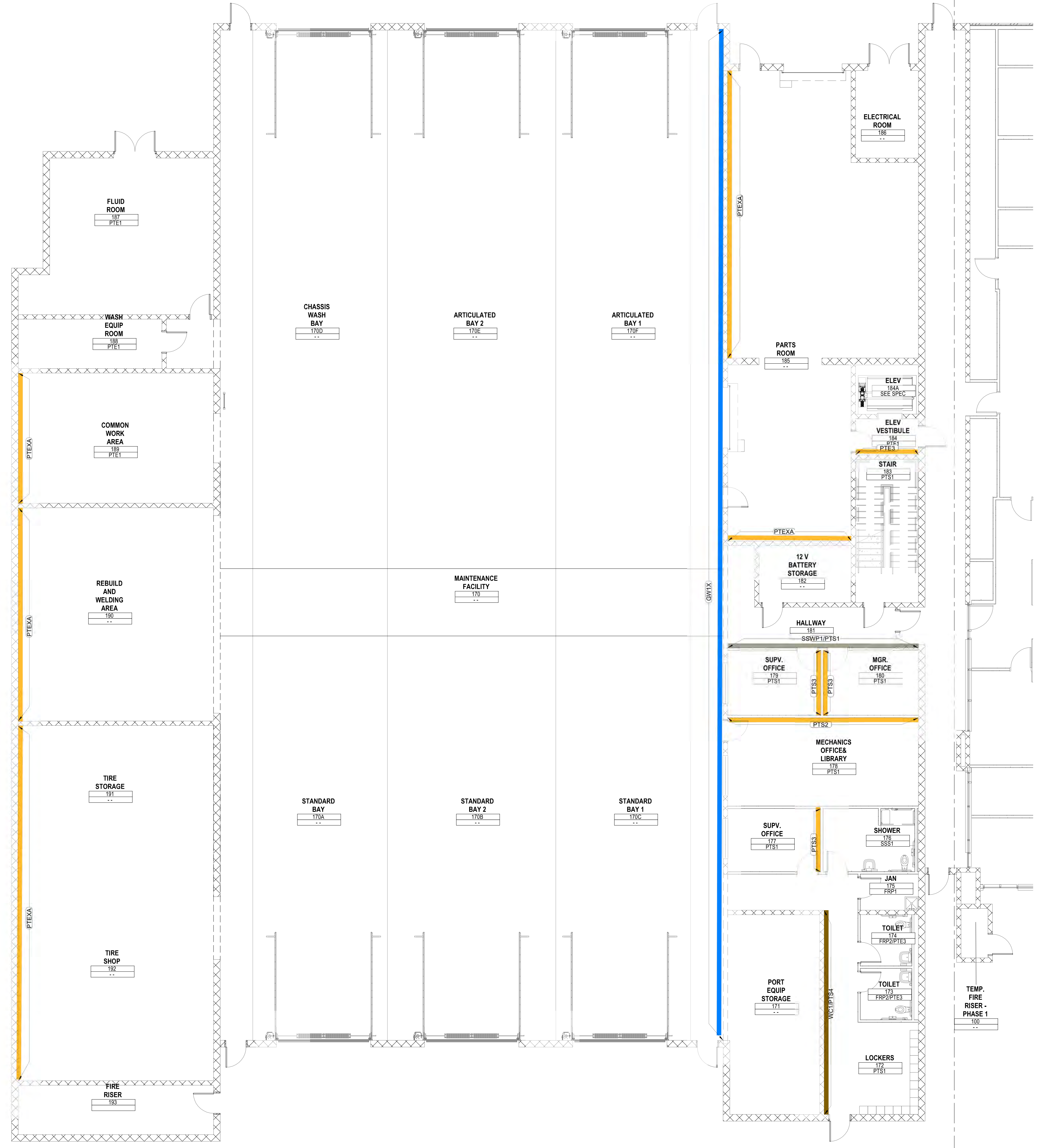
Sheet Number
IN-136

Project Status
SCHEMATIC DESIGN DRAWINGS



A5 PHASE 02 - INTERIOR WALL FINISH PLAN - LEVEL 03
1/16" = 1'-0"

0 1/2" 1" 2"



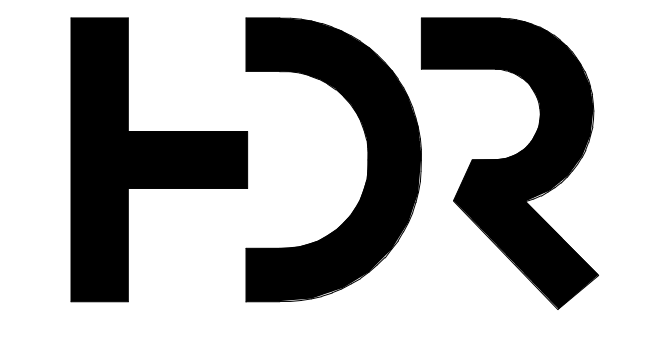
MATCHLINE
SEE A5/ IN-140

INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
WALL	WALL FINISH

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
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Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Blank area for sheet keynotes.

Project Number	10380810
Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 01 - INTERIOR WALL FINISH PLAN - MAINTENANCE FACILITY - LEVEL 01

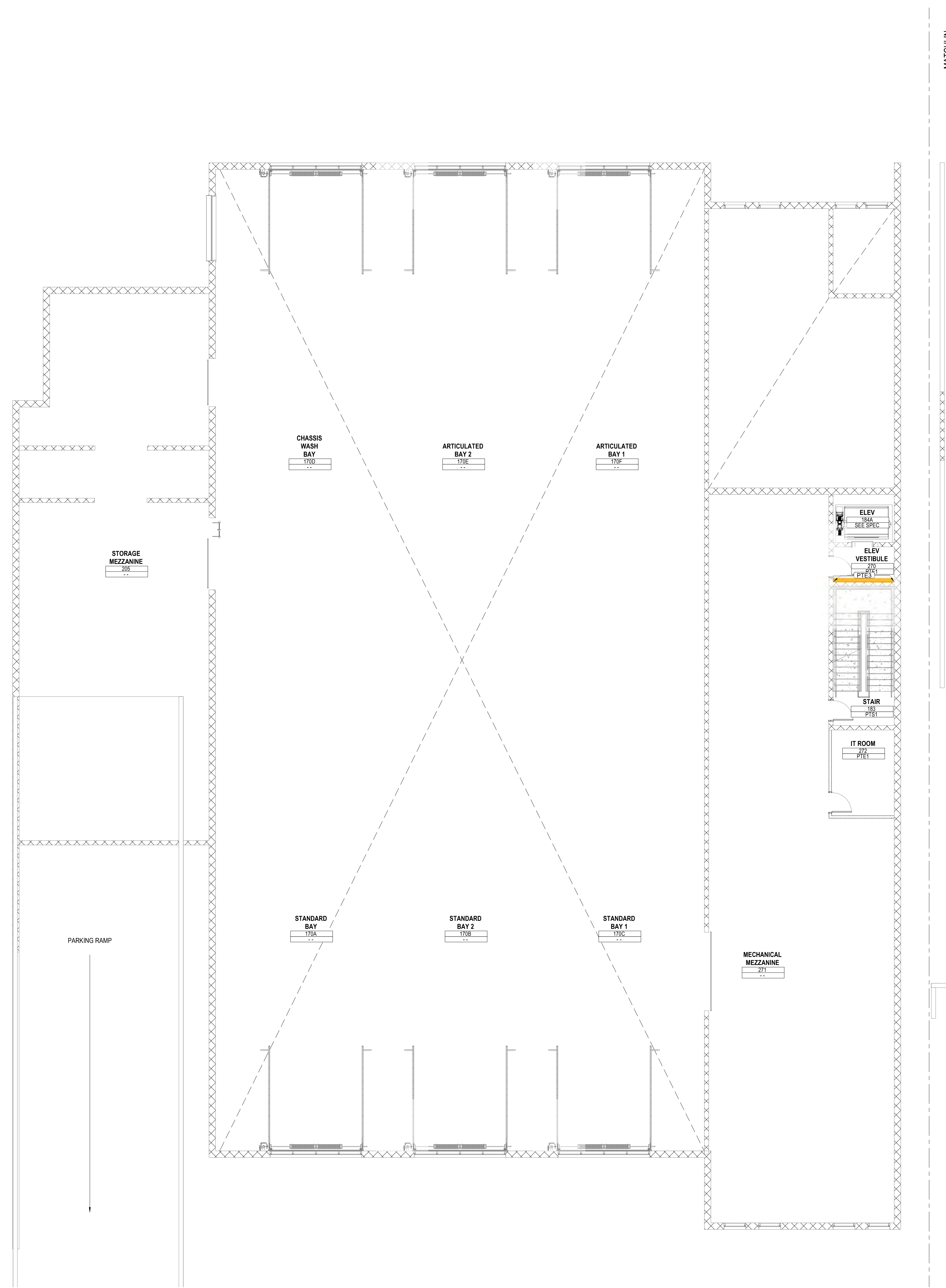
Sheet Number
IN-137

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 01 - INTERIOR WALL FINISH MAINTENANCE FACILITY - LEVEL 01
1/8" = 1'-0"

44289646.01318810... BIM 360/10380810_Mt_Kasper_Maintenance_Facility_2024/10380810_Mt_Kasper_2024.rvt

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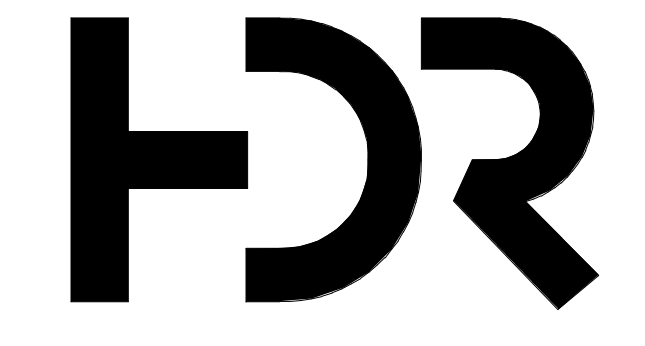
MATCHLINE
SEE 1/ IN-141

INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET
I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME ROOM NUMBER
WALL WALL FINISH
WALL ACCENT

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbie Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Drawn By Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number 10380810
Original Issue 03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
**PHASE 01 - INTERIOR
WALL FINISH PLAN -
MAINTENANCE
FACILITY - LEVEL 02
(MEZZANINE)**
Sheet
IN-138

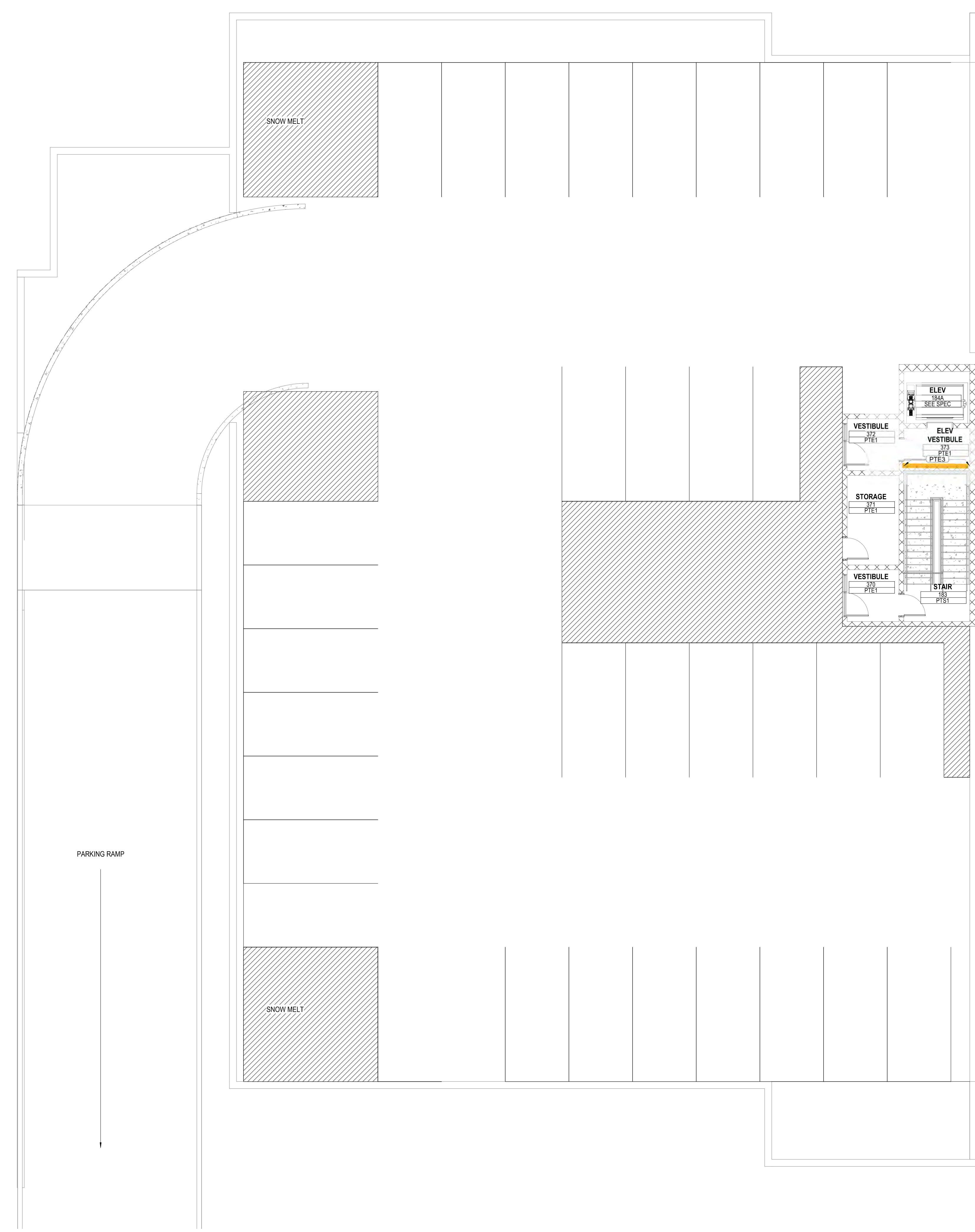
Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 01 - INTERIOR WALL FINISH MAINTENANCE FACILITY - LEVEL 02 (MEZZANINE)
1/8" = 1'-0"

4/27/2024 2:37 PM BH 10380810_Mt_Kasper_Maintenance_Facility_02(10380810_Mt_Kasper_2024.rvt) Finish Plans

0 1/2" 1' 2"

MATCHLINE
SEE 1/ IN-141

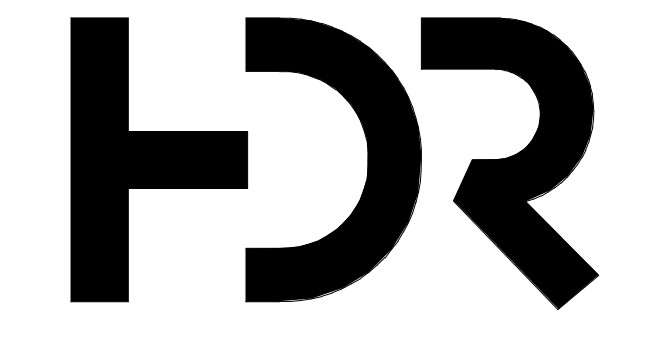


INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME ROOM NUMBER
WALL WALL FINISH
WALL ACCENT

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



HDR Architecture
20 E Thomas Road
Suite #2500
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MOUNTAIN LINE

3733 N Kasper Drive
Flagstaff, AZ 86004



Project Manager Patrick Glowacki
Project Designer Katherine Dutzik Smith
Project Architect Rachel McAdoo
Landscape Architect Claire Edelman-Heath
Civil Engineer Abhay Khaira
Structural Engineer Chad Sippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Stephen Bowcock
Plumbing Engineer Robbie Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Drawn By Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number 10380810
Original Issue 03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

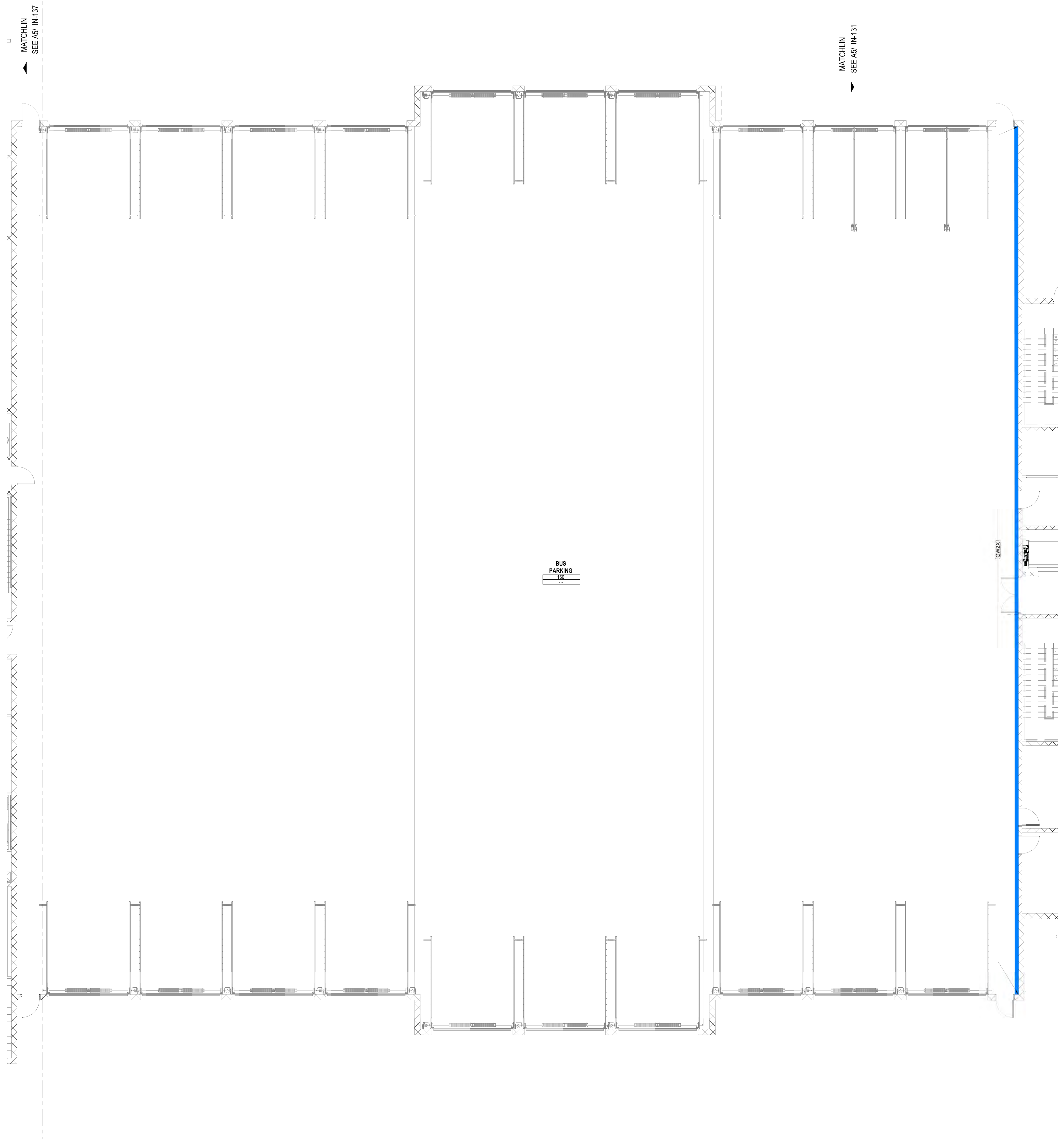
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PHASE 01 - INTERIOR WALL FINISH PLAN - MAINTENANCE FACILITY - LEVEL 03 (PARKING)
Sheet **IN-139**

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 01 - INTERIOR WALL FINISH MAINTENANCE FACILITY - LEVEL 03 (PARKING)
1/8" = 1'-0"

4/25/2024 2:37 PM BH BH 350/10380810_Mt_Kasper_Maintenance_Facility_2021/10380810_Mt_Kasper_2021.rvt
Print Files

0 1/2" 1" 2"

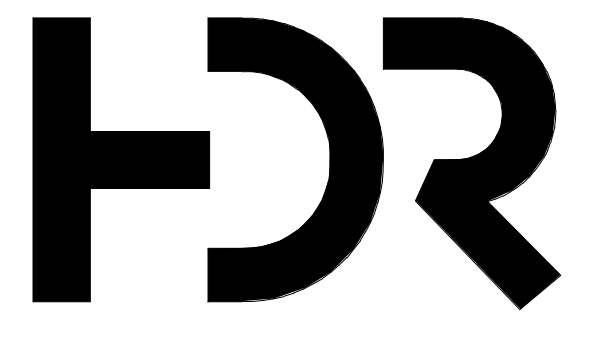


INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME: ROOM NUMBER
WALL: WALL FINISH
WALL ACCENT

- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



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Project Manager	Patrick Glowacki
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Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number	10380810
Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

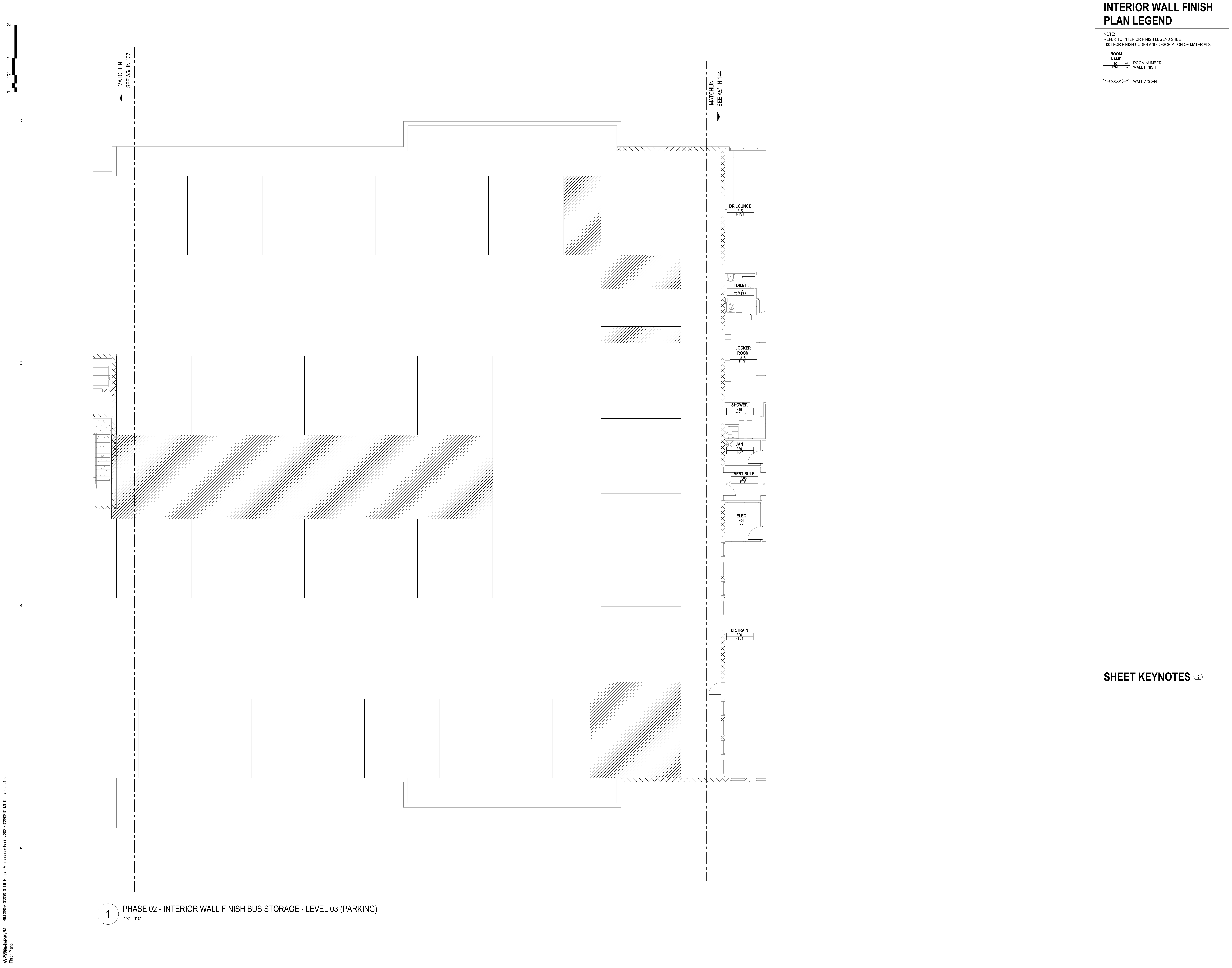
Sheet Name
PHASE 02 - INTERIOR WALL FINISH PLAN - BUS STORAGE - LEVEL 01

Sheet Number
IN-140

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 02 - INTERIOR WALL FINISH BUS STORAGE - LEVEL 01
1/8" = 1'-0"

44289646.017468141 BH 10/13/2024 ML Kasper Maintenance Facility 202410380810 ML Kasper_2024.04
Final Plans



INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

ROOM NAME	ROOM NUMBER
DR. LOUNGE	316
TOILET	318
LOCKER ROOM	319
SHOWER	320
JAN	321
VESTIBULE	322
ELEC	323
DR. TRAIN	324

(XXXX) WALL ACCENT



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Structural Engineer	Chad Sippel
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Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number: 10380810
Original Issue: 03/19/24

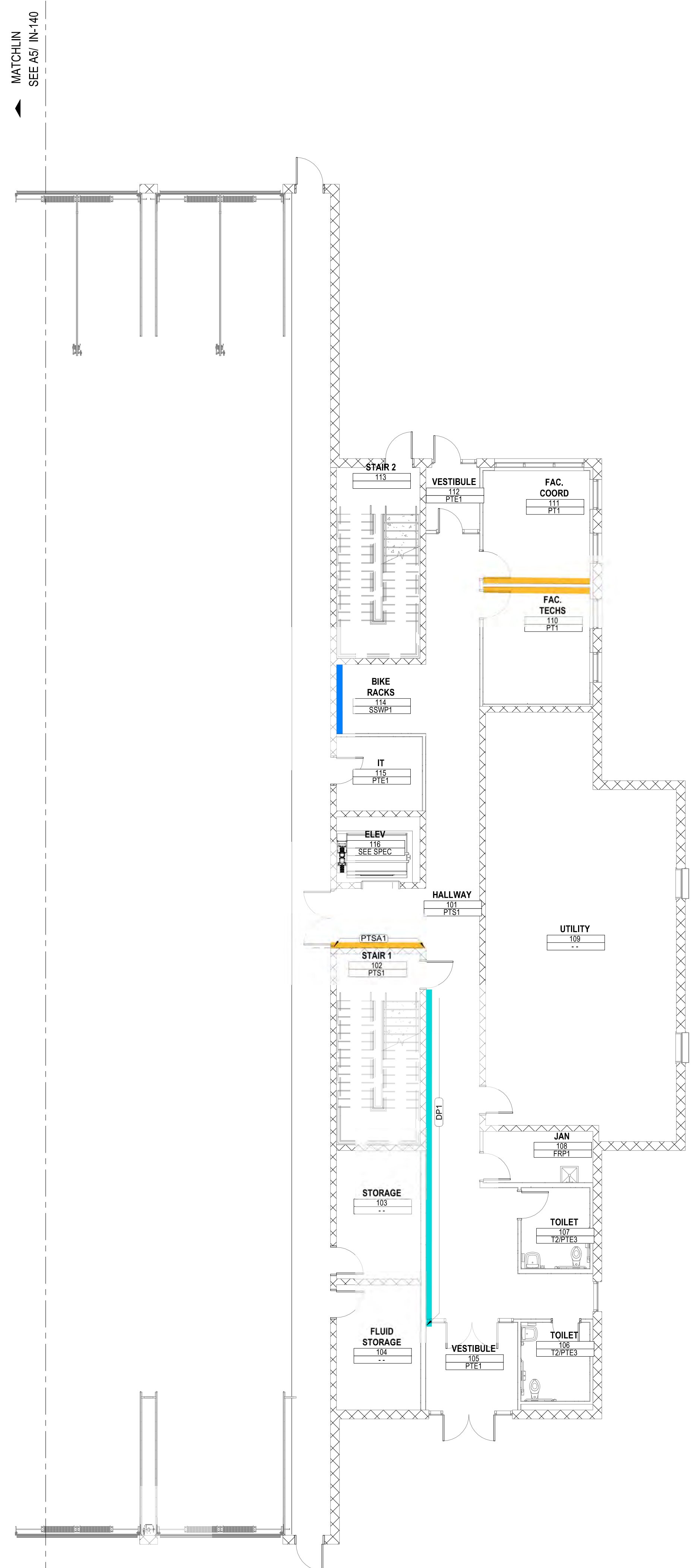
PRELIMINARY
NOT FOR CONSTRUCTION

1 PHASE 02 - INTERIOR WALL FINISH BUS STORAGE - LEVEL 03 (PARKING)
1/8" = 1'-0"

Sheet Name
PHASE 02 - INTERIOR WALL FINISH PLAN - BUS STORAGE - LEVEL 03 (PARKING)

Sheet Number
IN-141

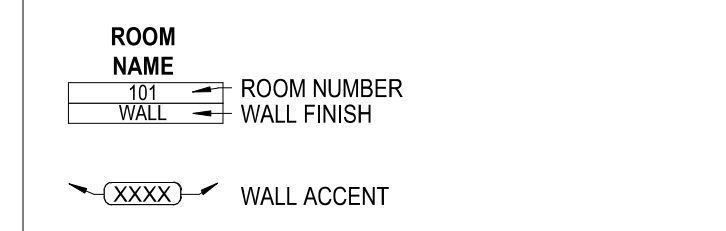
Project Status
SCHEMATIC DESIGN DRAWINGS



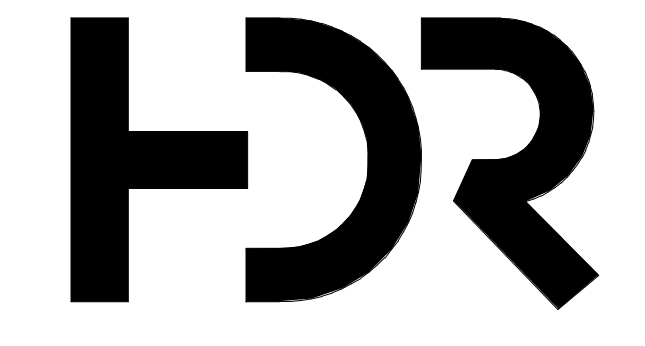
A5 PHASE 02 - INTERIOR WALL FINISH OFFICE AREA - LEVEL 01
1/8" = 1'-0"

INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.



- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
- ACOUSTIC WALL DETAIL



HDR Architecture
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MOUNTAIN LINE

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Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

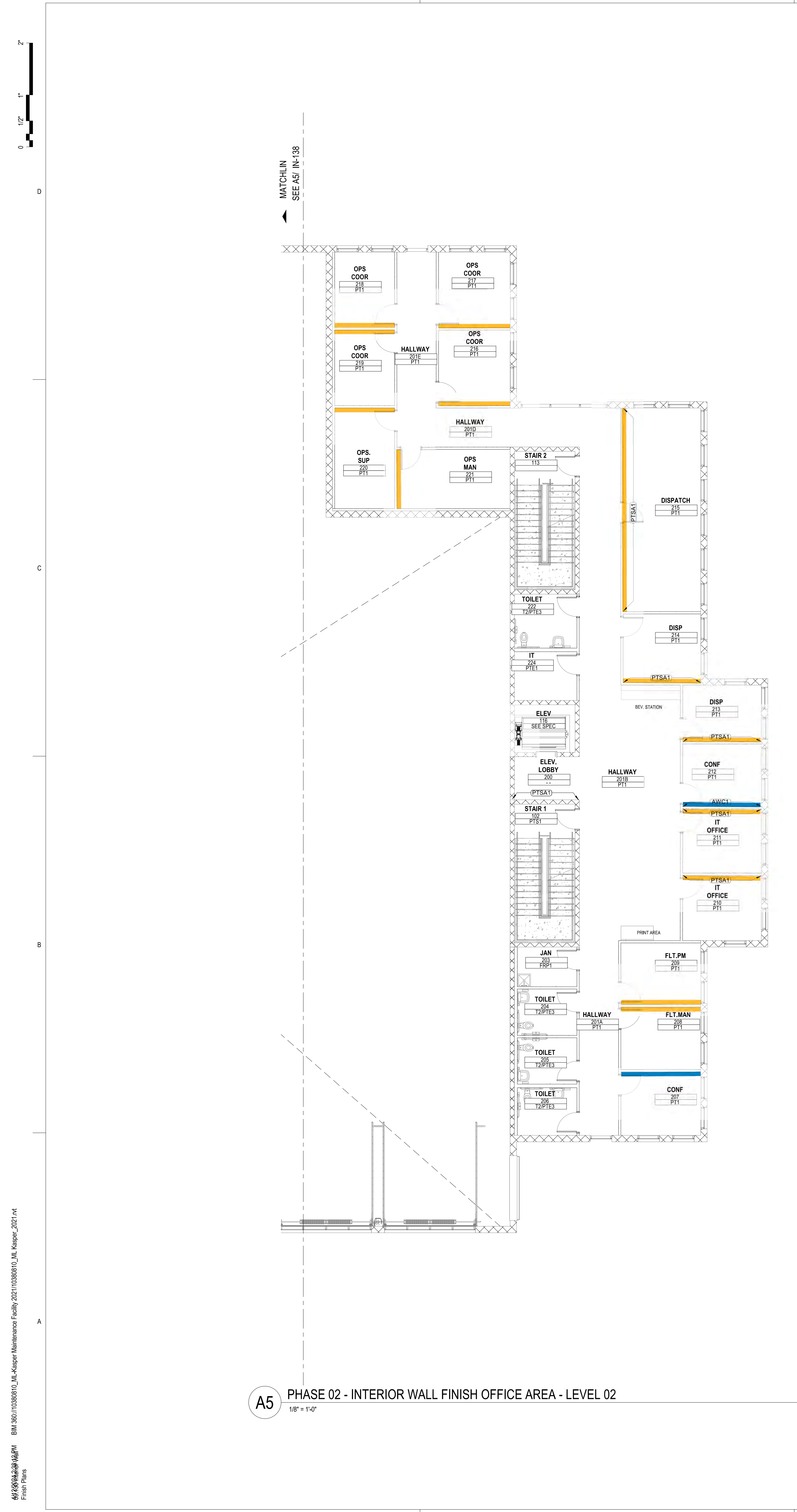
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Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PHASE 02 - INTERIOR WALL FINISH PLAN - OFFICE AREA - LEVEL 01

Sheet Number
IN-142

Project Status
SCHEMATIC DESIGN DRAWINGS

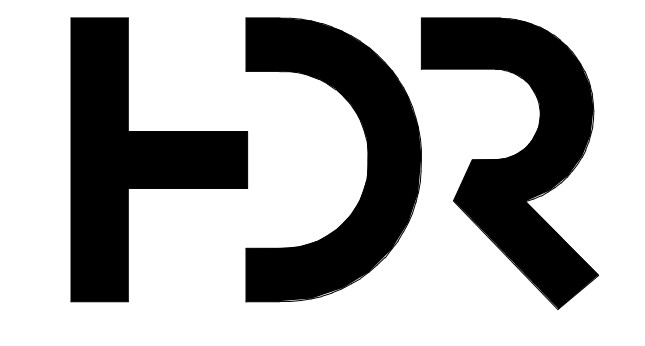


A5 PHASE 02 - INTERIOR WALL FINISH OFFICE AREA - LEVEL 02
1/8" = 1'-0"

INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.

- | ROOM NAME | ROOM NUMBER |
|-----------|-------------|
| WALL | WALL FINISH |
- WALL ACCENT
- WALL ACCENT PAINT
 - WALL GRAPHIC
 - ACOUSTIC WALL COVERING
 - FULL HT. MIRROR
 - HISTORY WALL
 - FULL HT. MARKERBOARD
 - ACOUSTIC WALL DETAIL



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MOUNTAIN LINE

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Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Rossie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number	10380810
Original Issue	03/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

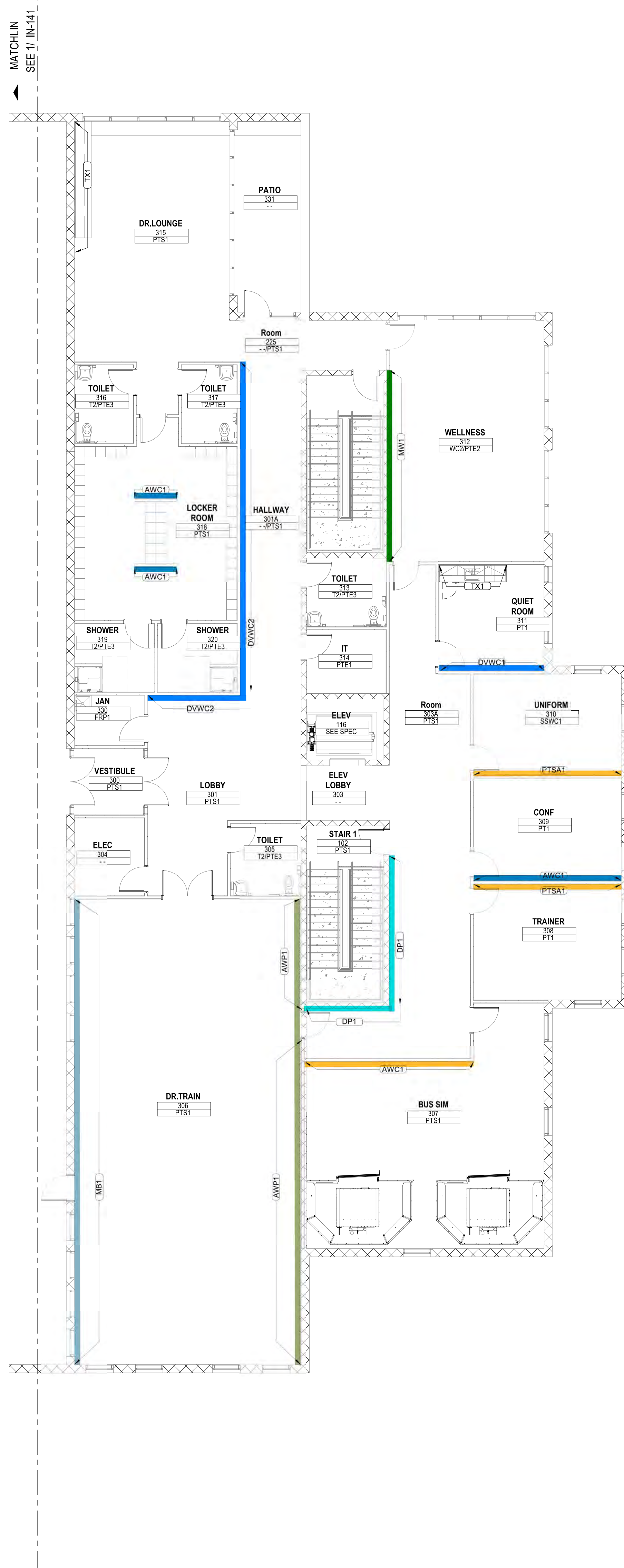
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Sheet Number
IN-143

Project Status
SCHEMATIC DESIGN DRAWINGS

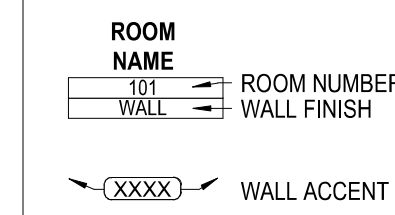


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Final Plans

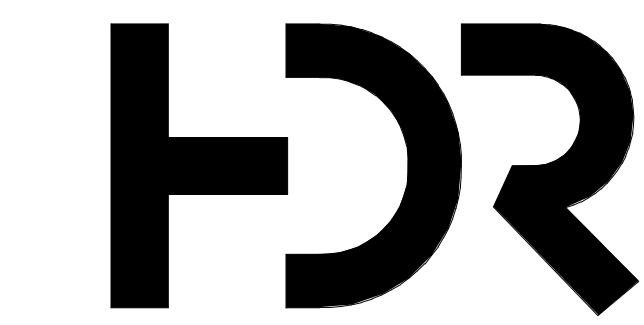


INTERIOR WALL FINISH PLAN LEGEND

NOTE:
REFER TO INTERIOR FINISH LEGEND SHEET
I-001 FOR FINISH CODES AND DESCRIPTION OF MATERIALS.



- WALL ACCENT PAINT
- WALL GRAPHIC
- ACOUSTIC WALL COVERING
- FULL HT. MIRROR
- HISTORY WALL
- FULL HT. MARKERBOARD
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MOUNTAIN LINE

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Structural Engineer	Chad Sippel
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Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Rossie Ramey
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Equipment Planner	Ken Booth
Wayfinding	

Drawn By: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

SHEET KEYNOTES

Project Number	10380810
Original Issue	03/19/24

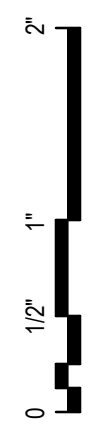
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NOT FOR CONSTRUCTION

Sheet Name
**PHASE 02 - INTERIOR
WALL FINISH PLAN -
OFFICE AREA - LEVEL
03**

Sheet Number
IN-144

Project Status
SCHEMATIC DESIGN DRAWINGS

A5 PHASE 02 - INTERIOR WALL FINISH OFFICE AREA - LEVEL 03
1/8" = 1'-0"



GENERAL NOTES

- 1 REFERENCE SHEET Q-001 FOR ALL EQUIPMENT DESCRIPTIONS.
- 2 REFERENCE SHEET Q-001 FOR ALL GENERAL EQUIPMENT NOTES
- 3 REFERENCE SHEET Q-001 FOR ALL ABBREVIATIONS



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MOUNTAIN LINE

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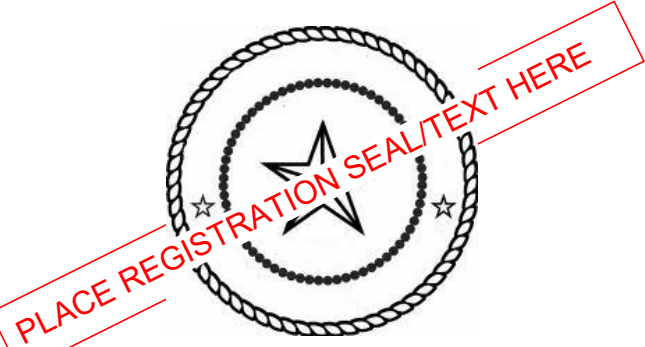
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Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Ashay Khaira
Structural Engineer	Chad Sippel
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Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer Jackson Ronex

MARK	DATE	DESCRIPTION

Current Print Description

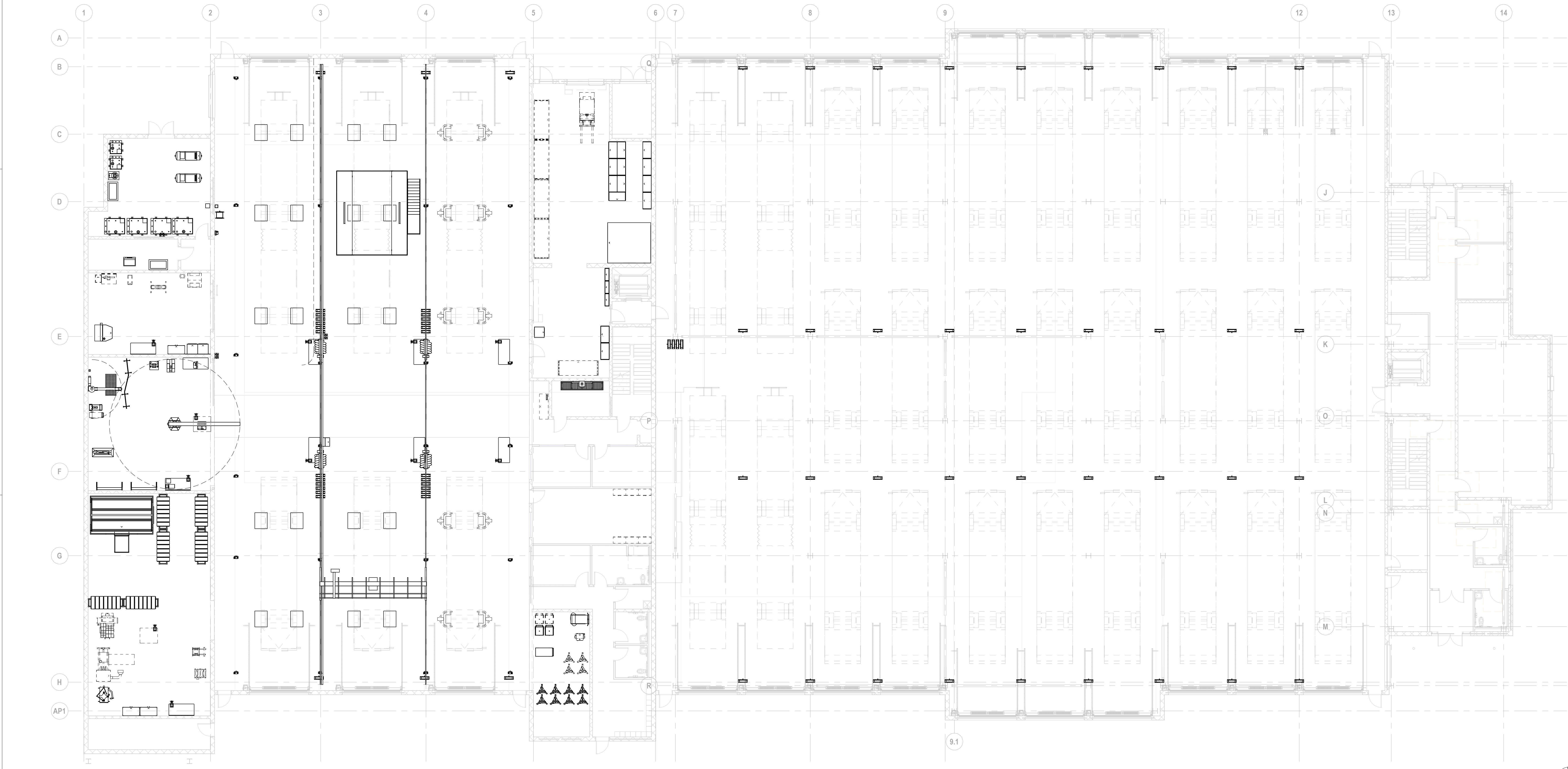
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Original Issue 04/15/2024



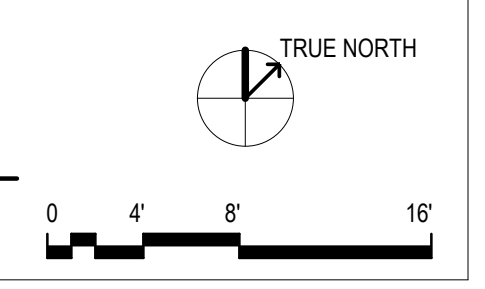
Sheet Name
PHASE ONE AND TWO OVERALL EQUIPMENT LAYOUT

Sheet Number
Q-101

Project Status
 Schematic Design



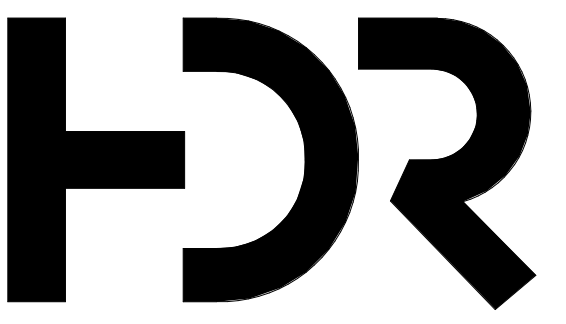
1 PHASE ONE AND TWO OVERALL EQUIPMENT LAYOUT
 3/22' = 1'-0"



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GENERAL NOTES

- 1 REFERENCE SHEET Q-001 FOR ALL EQUIPMENT DESCRIPTIONS.
- 2 REFERENCE SHEET Q-001 FOR ALL GENERAL EQUIPMENT NOTES.
- 3 REFERENCE SHEET Q-001 FOR ALL ABBREVIATIONS.



HDR Architecture
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MOUNTAIN LINE

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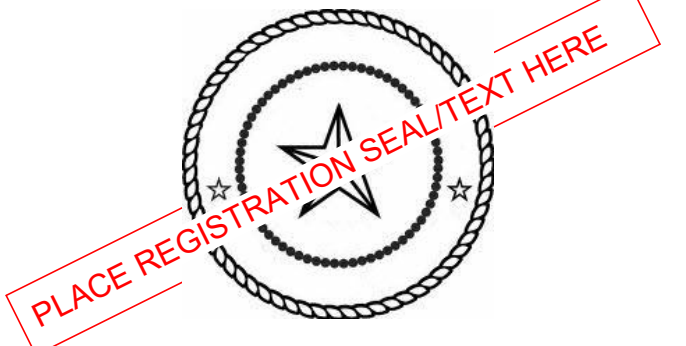
Project Manager	Patrick Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Ashay Khaira
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer: Jackson Rorex

MARK	DATE	DESCRIPTION

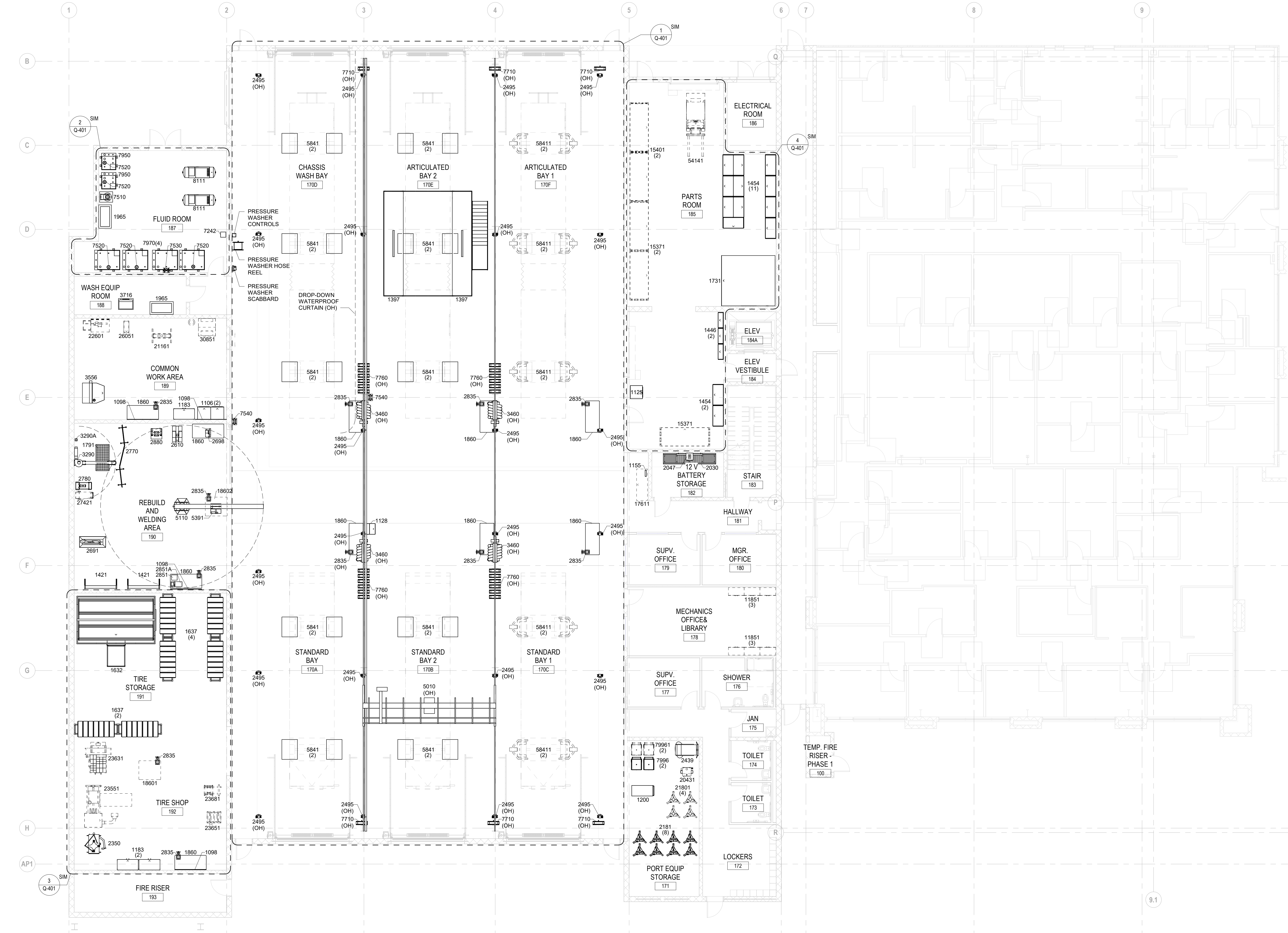
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Project Number: 10380810
Original Issue: 04/15/2024

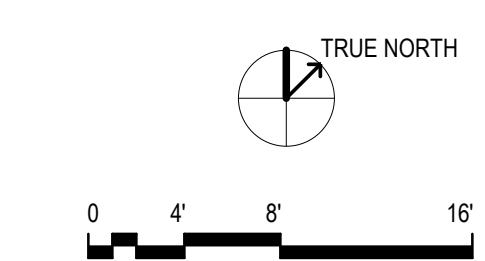


PHASE ONE OVERALL EQUIPMENT LAYOUT PLAN

Sheet Name: Q-102
Project Status: Schematic Design



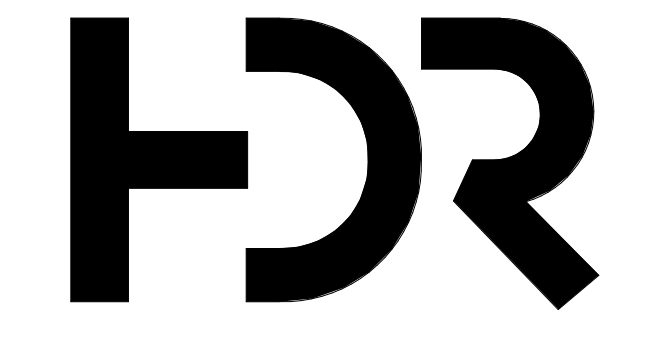
1 PHASE ONE OVERALL EQUIPMENT LAYOUT
1/8" = 1'-0"



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GENERAL NOTES

- 1 REFERENCE SHEET Q-001 FOR ALL EQUIPMENT DESCRIPTIONS.
- 2 REFERENCE SHEET Q-001 FOR ALL GENERAL EQUIPMENT NOTES
- 3 REFERENCE SHEET Q-001 FOR ALL ABBREVIATIONS



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MOUNTAIN LINE

3733 N Kasper Dr
Flagstaff, AZ 86004



- Project Manager: Patrick Glowacki
- Project Designer: Katherine Dutzik Smith
- Project Architect: Rachel McAdoo
- Landscape Architect: Claire Eddeman-Heath
- Civil Engineer: Abhay Khaira
- Structural Engineer: Chad Sippel
- Mechanical Engineer: Brett McQuillan
- Electrical Engineer: Stephen Bowcock
- Plumbing Engineer: Robbie Ramey
- Interior Designer: Jessi Levin
- Equipment Planner: Ken Booth
- Wayfinding: [Blank]

Sheet Reviewer: Jackson Ronex

MARK	DATE	DESCRIPTION

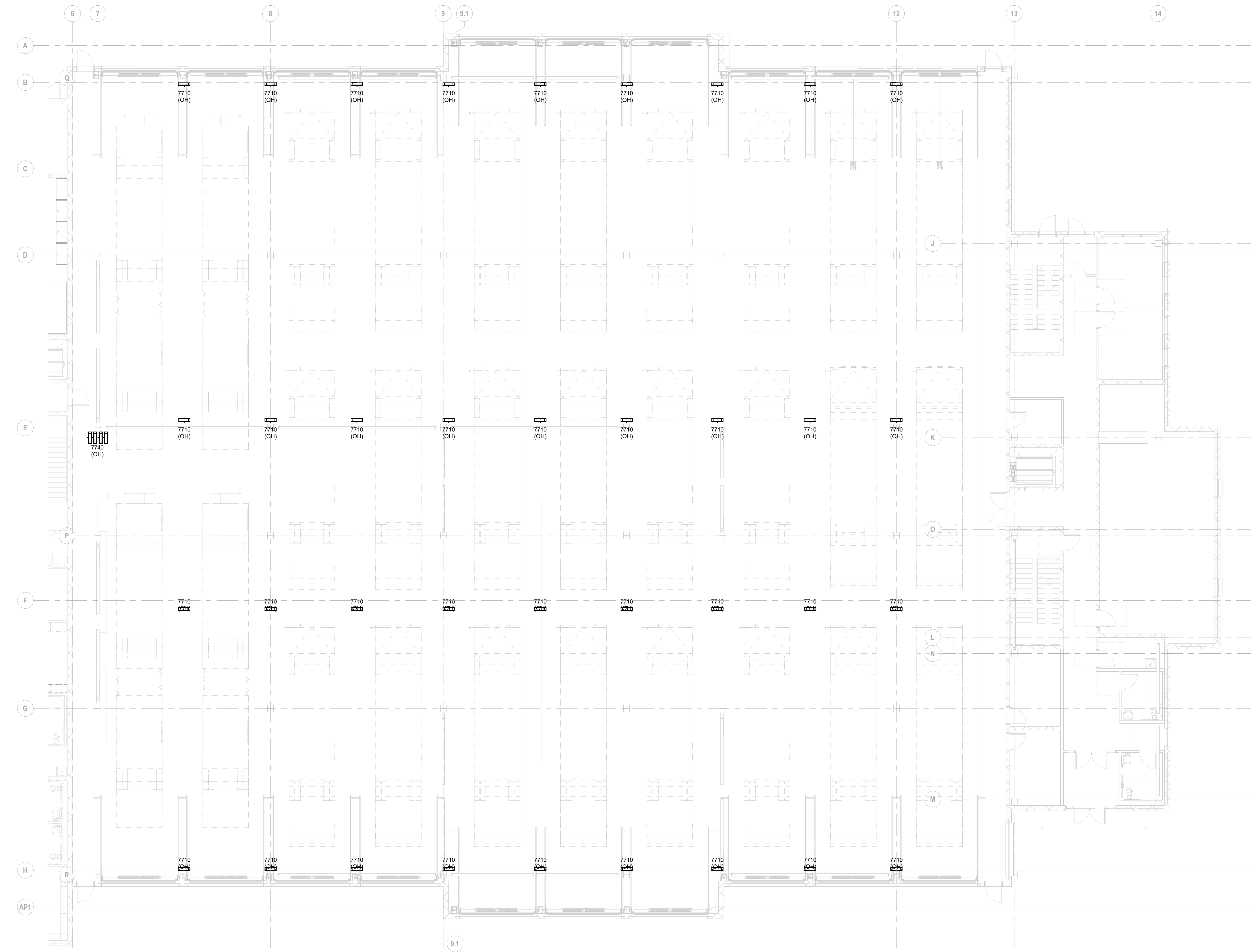
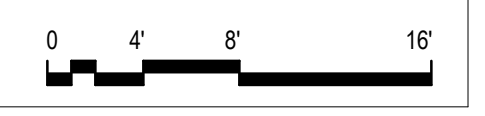
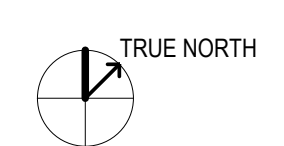
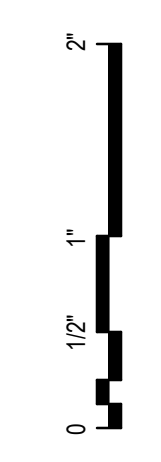
Project Number: 10380810
Original Issue: 04/15/2024



Sheet Name
PHASE TWO OVERALL EQUIPMENT LAYOUT PLAN

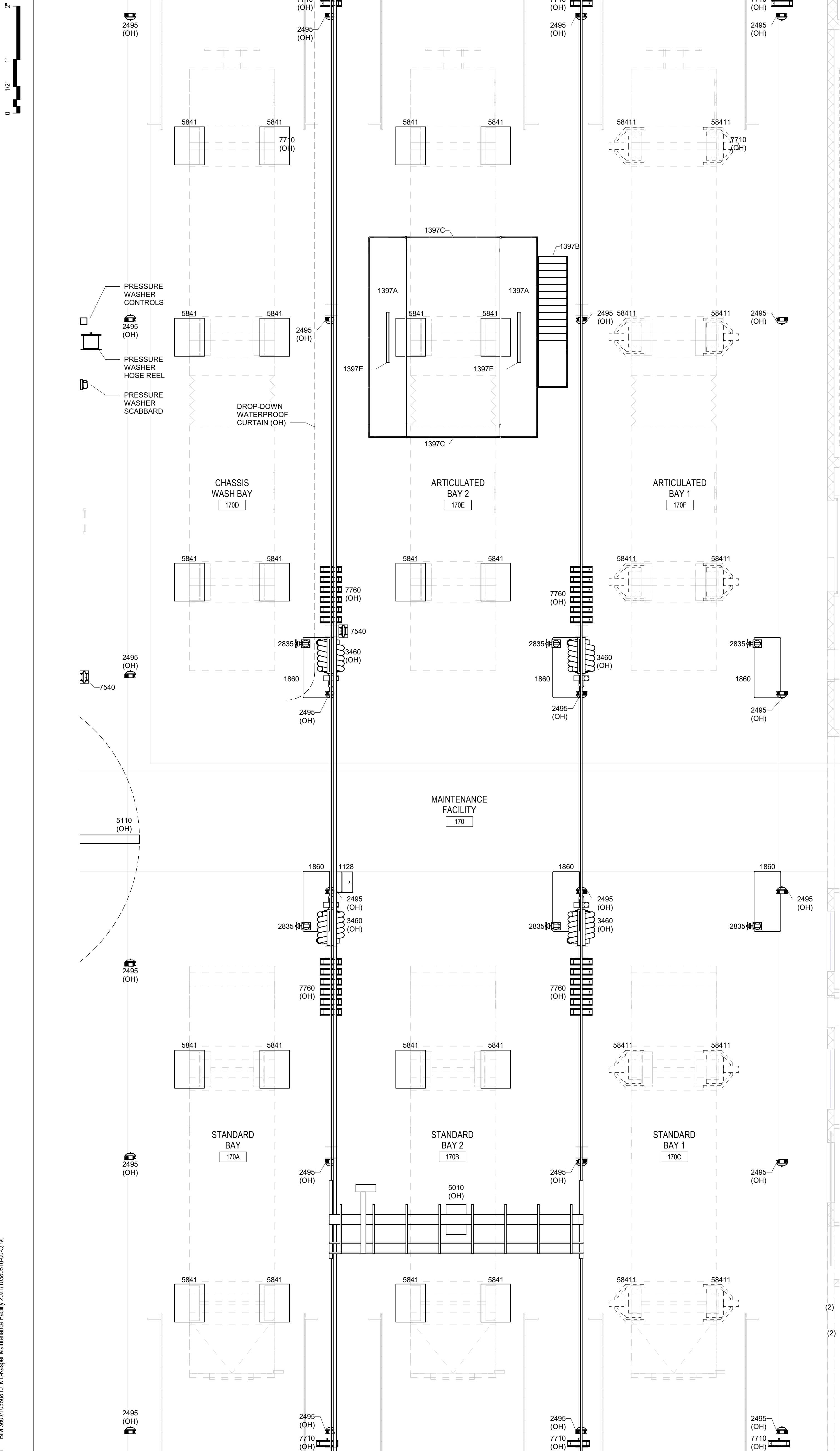
Sheet Number
Q-103

Project Status
Schematic Design

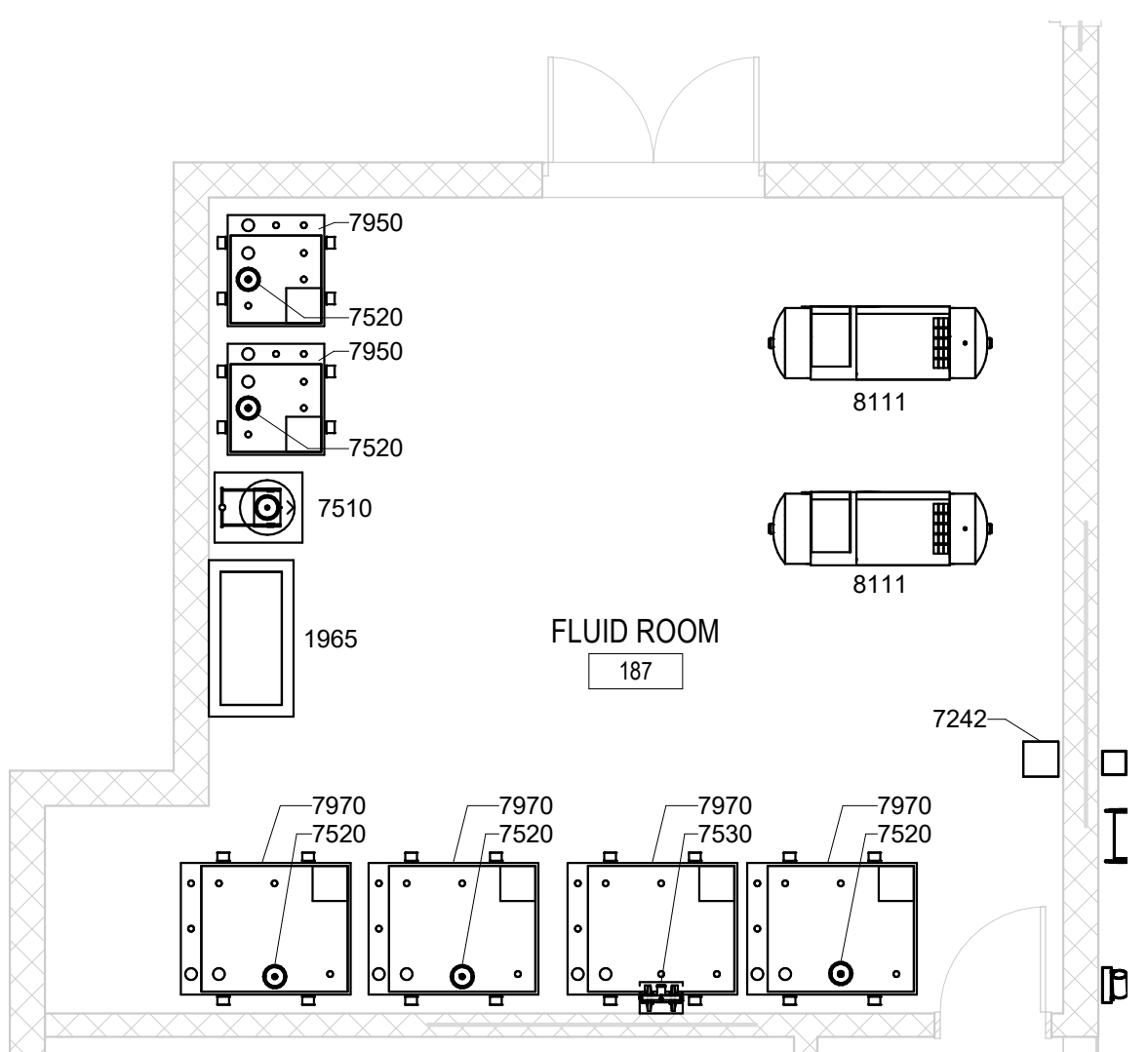


1 PHASE TWO OVERALL EQUIPMENT LAYOUT
1/8" = 1'-0"

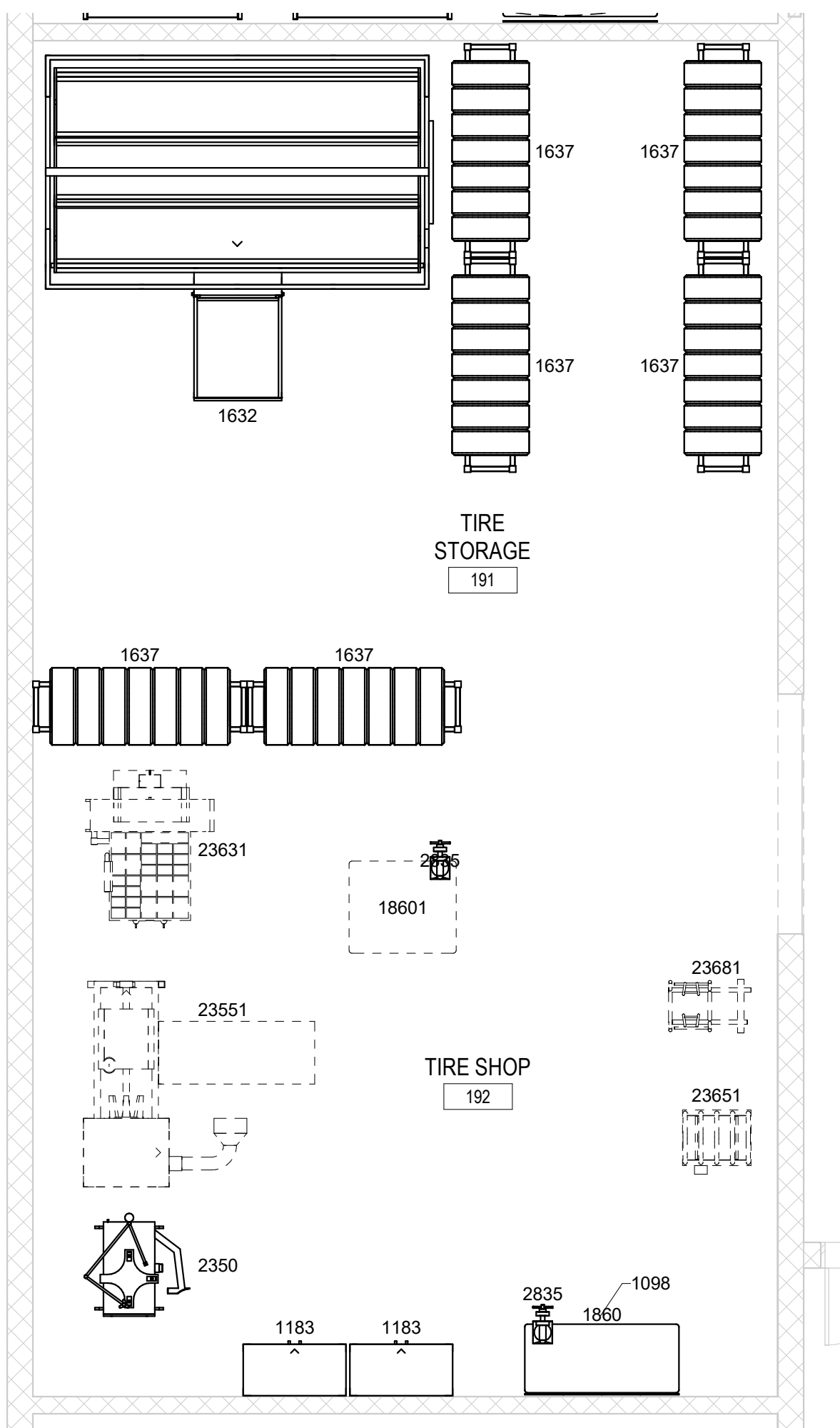
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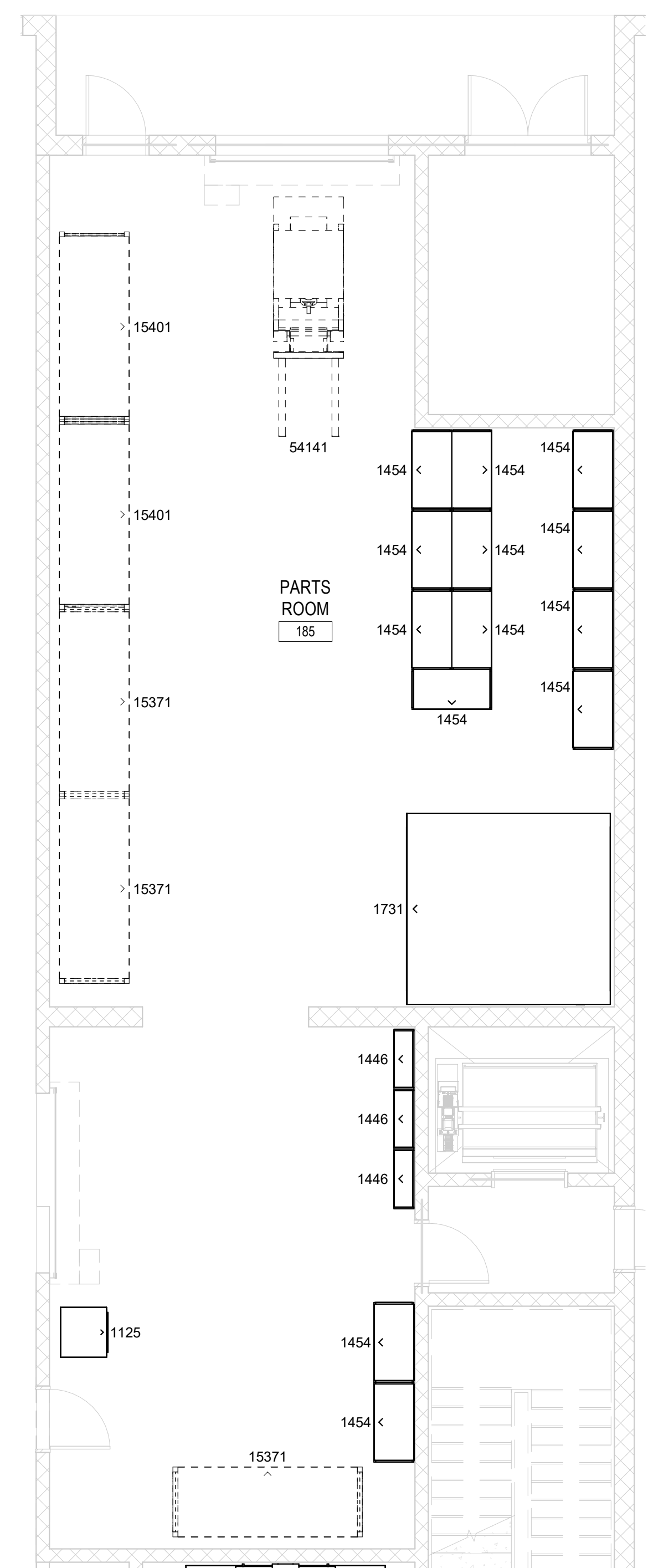
1 MAINTENANCE AREA ENLARGED EQUIPMENT LAYOUT PLAN
3/16" = 1'-0"



2 FLUID ROOM ENLARGED EQUIPMENT LAYOUT PLAN
3/16" = 1'-0"



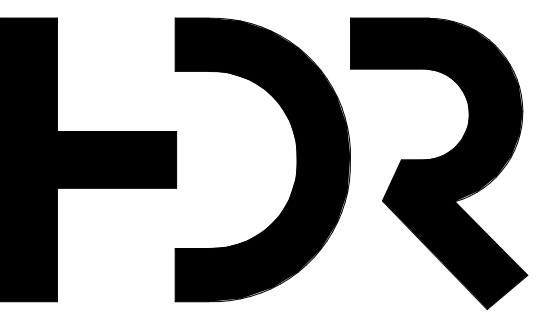
3 TIRE SHOP AND STORAGE ENLARGED EQUIPMENT LAYOUT PLAN
3/16" = 1'-0"



4 PARTS ROOM ENLARGED EQUIPMENT LAYOUT PLAN
3/16" = 1'-0"

GENERAL NOTES

- 1 REFERENCE SHEET Q-001 FOR ALL EQUIPMENT DESCRIPTIONS.
- 2 REFERENCE SHEET Q-001 FOR ALL GENERAL EQUIPMENT NOTES.
- 3 REFERENCE SHEET Q-001 FOR ALL ABBREVIATIONS.



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Phoenix, AZ 85012

MOUNTAIN LINE

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Flagstaff, AZ 86004



- | | |
|---------------------|------------------------|
| Project Manager | Patrick Glowacki |
| Project Designer | Katherine Dutzik Smith |
| Project Architect | Rachel McAbo |
| Landscape Architect | Claire Edleman-Health |
| Civil Engineer | Abhay Khaira |
| Structural Engineer | Chad Sippel |
| Mechanical Engineer | Brett McQuillan |
| Electrical Engineer | Stephen Bowcock |
| Plumbing Engineer | Robbie Ramey |
| Interior Designer | Jessi Levin |
| Equipment Planner | Ken Booth |
| Wayfinding | |

Sheet Reviewer: Jackson Ronex

MARK DATE DESCRIPTION

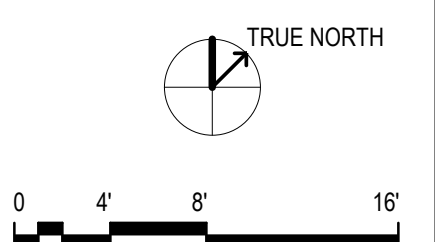
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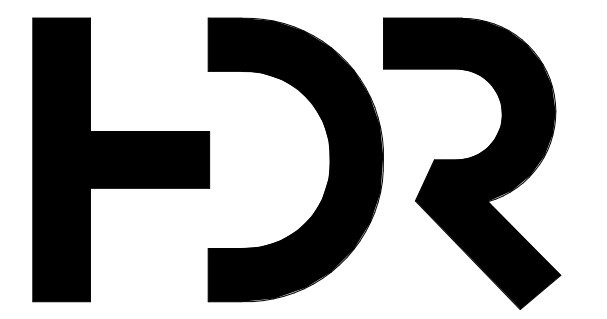
Project Number: 10380810
Original Issue: 04/15/2024

PHASE ONE ENLARGED EQUIPMENT PLANS

Sheet Number: **Q-401**

Project Status: Schematic Design





HDR Architecture
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Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE KASPAR HQ MAINTENANCE FACILITY 3733 N Kasper Dr Flagstaff, AZ 86004



GENERAL NOTES

UTILITY REQUIREMENTS
SYMBOLS LEGEND

- 120 VAC DUPLEX RECEPTACLE
- 120 VAC QUAD RECEPTACLE
- 208 VAC 1PH 50A SPECIAL PURPOSE (WELDING)
- 480 VAC 3PH MOBILE BATTERY CHARGER SPECIAL PURPOSE
- ACID NEUTRALIZING FLOOR DRAIN
- COMBINATION TELEPHONE DATA OUTLET
-

Project Manager	Patrick Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
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Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer Jackson Rorex

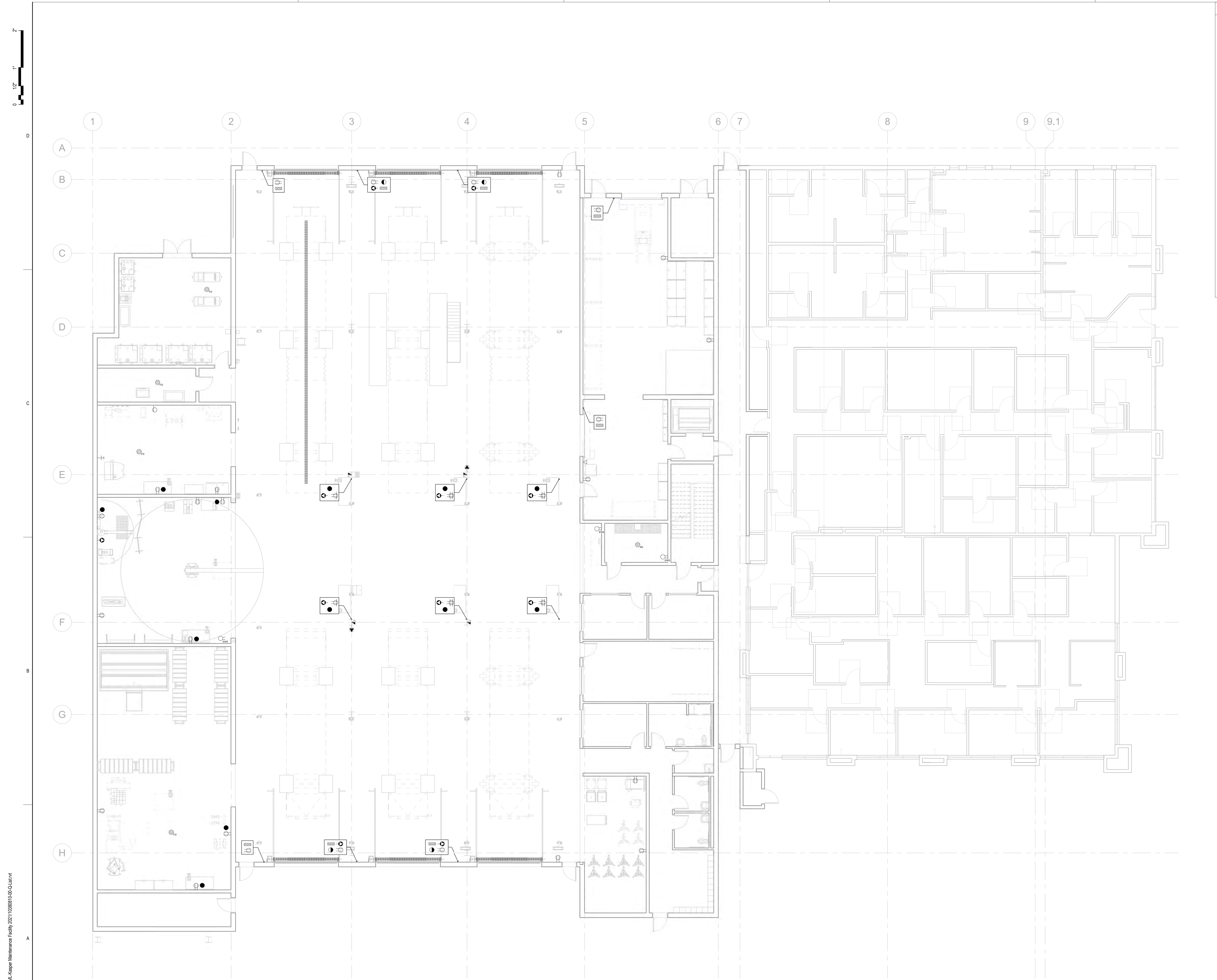
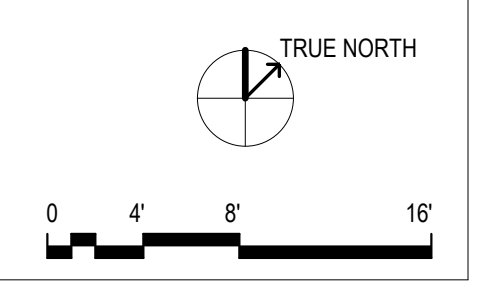
MARK	DATE	DESCRIPTION

Project Number 10380810
Original Issue 04/15/24



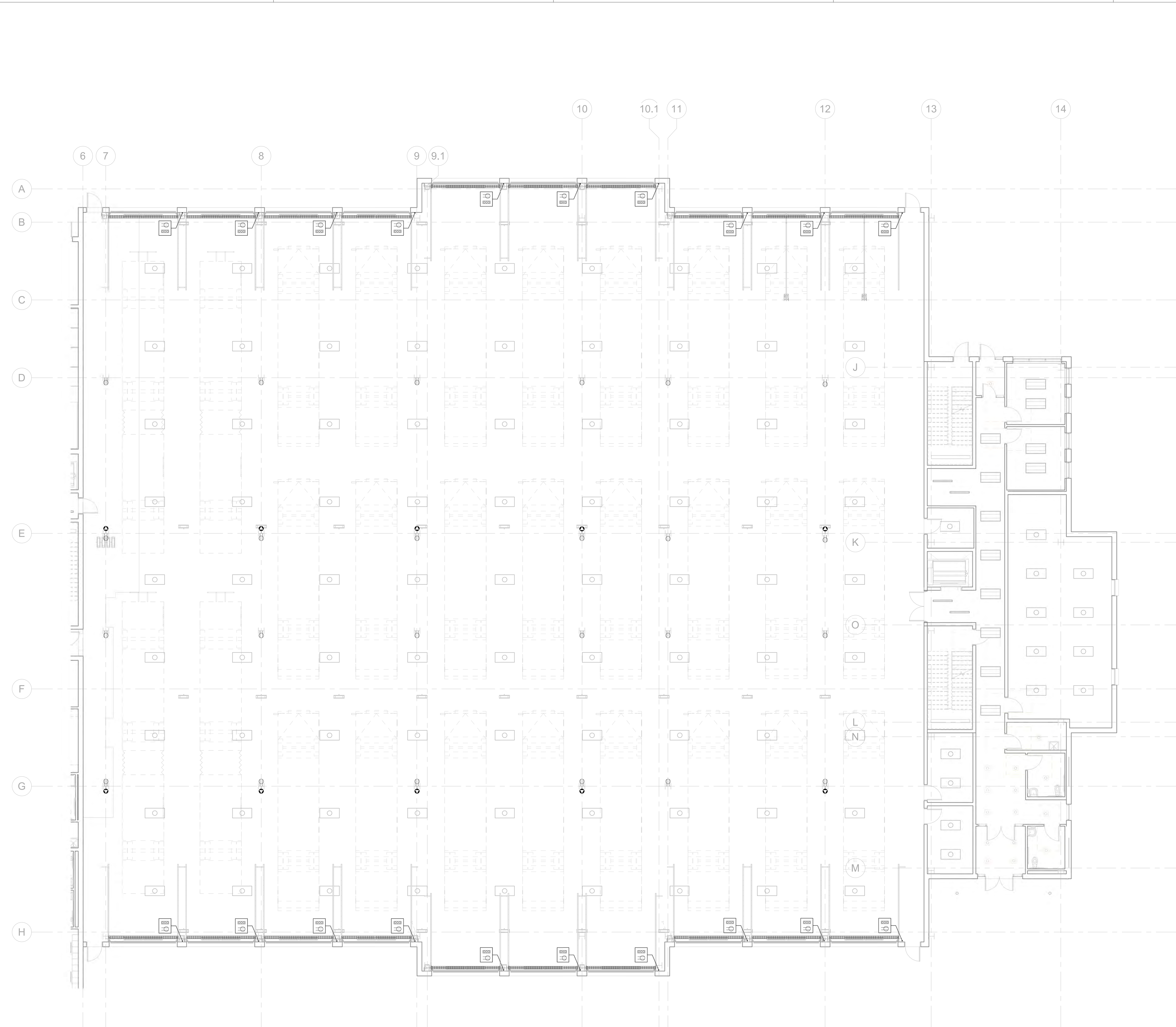
PHASE ONE UTILITY REQUIREMENTS

Sheet Name
QU-101
Project Status
Schematic Design



THE UTILITY REQUIREMENT DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. THEY WILL NOT BE A PART OF THE CONSTRUCTION DOCUMENTS.

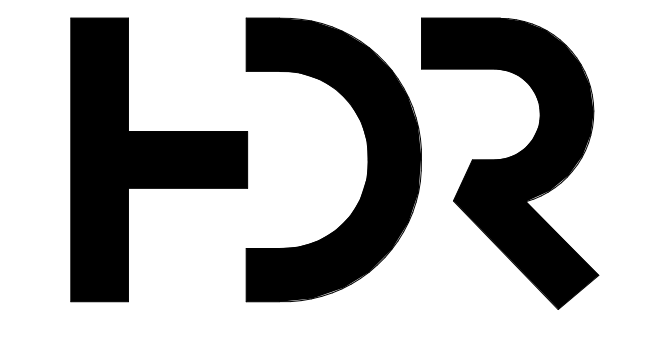
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GENERAL NOTES

UTILITY REQUIREMENTS SYMBOLS LEGEND

- 120 VAC DUPLEX RECEPTACLE
- 120 VAC QUAD RECEPTACLE
- 208 VAC 1PH 50A SPECIAL PURPOSE (WELDING)
- 480 VAC 3PH MOBILE BATTERY CHARGER SPECIAL PURPOSE
- ACID NEUTRALIZING FLOOR DRAIN
- COMBINATION TELEPHONE DATA OUTLET
-
-
- DATA OUTLET
- DOOR CONTROLS
- EMERGENCY EYEWASH/SHOWER
- FLOOR DRAIN
- TRENCH DRAIN
- WATER HOSE BIBB



HDR Architecture
20 E Thomas rd
Suite #2500
Phoenix, AZ 85012

**MOUNTAIN LINE
KASPAR HQ
MAINTENANCE
FACILITY**
3733 N Kasper Dr
Flagstaff, AZ 86004



Project Manager	Patrick Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Ashay Khaire
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Stephen Bowcock
Plumbing Engineer	Robbie Ramey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer: Jackson Rorex

MARK	DATE	DESCRIPTION

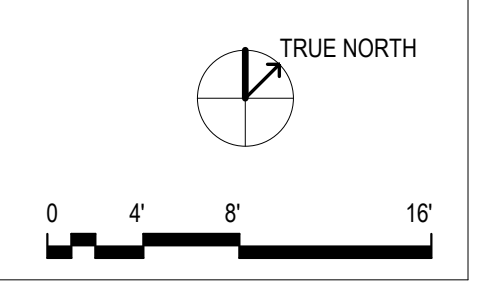
Project Number: 10380810
Original Issue: 04/15/2024

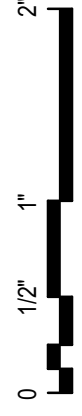


Sheet Name: PHASE TWO UTILITY REQUIREMENTS

Sheet Number: **QU-102**
Project Status: Schematic Design

THE UTILITY REQUIREMENT DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. THEY WILL NOT BE A PART OF THE CONSTRUCTION DOCUMENTS.





GENERAL NOTES

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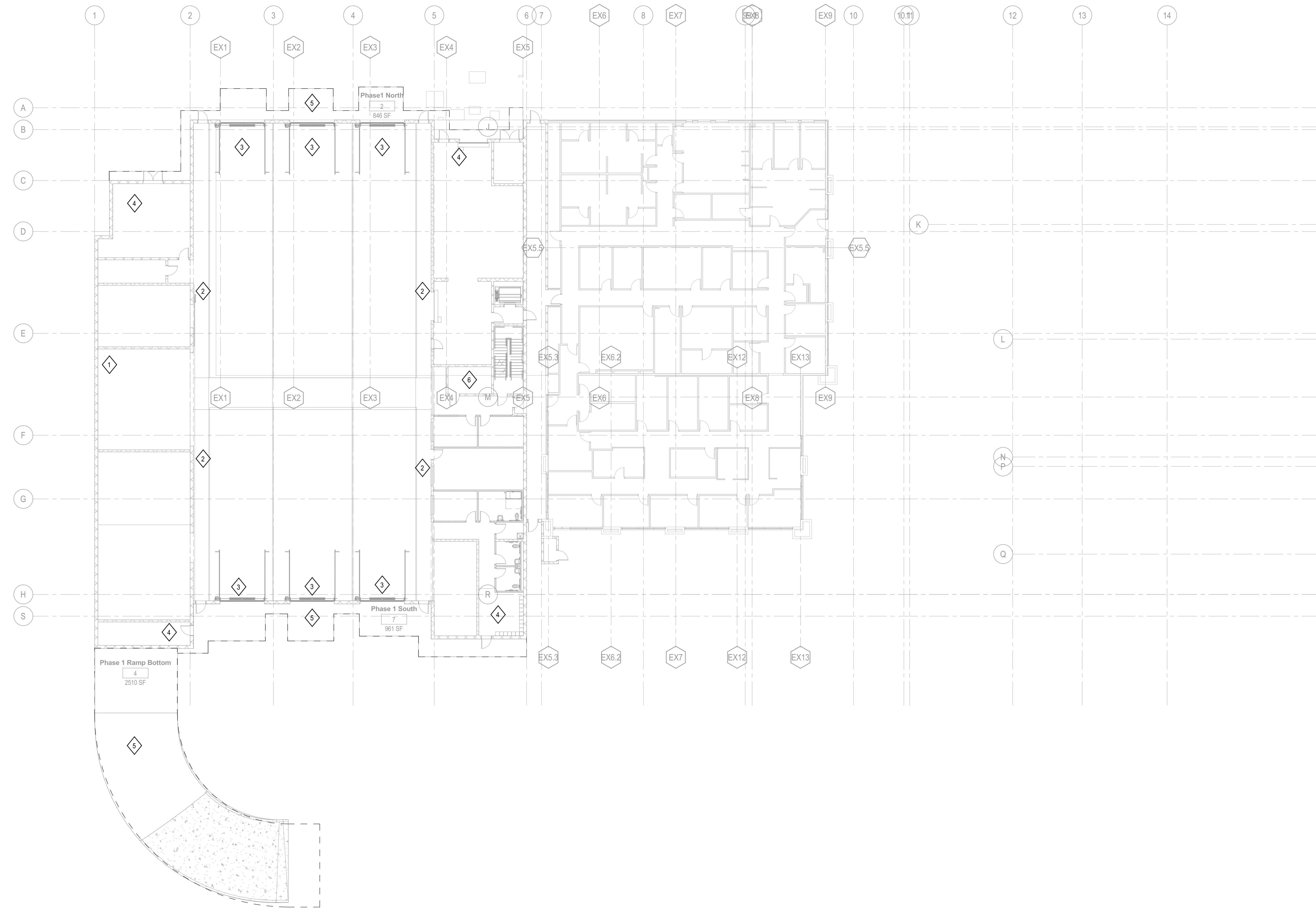
HDR Architecture
 20 E Thomas Rd
 Suite #2500
 Phoenix, AZ 85012

KEYNOTES

- DEDICATED WELDING EXHAUST FAN AND SNORKEL CONNECTION.
- CO AND NOX GAS DETECTION SENSORS CONNECTED TO EXHAUST SYSTEM.
- HOT WATER UNIT HEATER AT EACH BUS DOOR.
- UNIT HEATER CONTROLLED BY DOOR SWITCH.
- SPACES IN ENCLOSED DASHED LINES INDICATE SNOW MELT ZONE.
- BATTERY ROOM. PROVIDE DEDICATED EXHAUST SIZED AT MIN OF 1 CFM/SF BASED ON IFC CHAPTER 12. PROVIDE WITH ROOM FLAMMABLE GAS DETECTION SYSTEM.

MOUNTAIN LINE

3733 N Kasper Dr
 Flagstaff, AZ 86004



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Project Designer	Katherine Dudzik Smith
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Electrical Engineer	Robbie Ramsey
Plumbing Engineer	Jessi Levin
Interior Designer	Ken Booth
Equipment Planner	
Wayfinding	

Sheet Reviewer	Author
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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/24

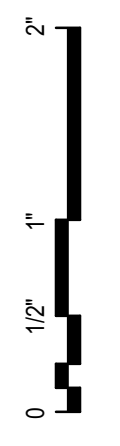
PRELIMINARY
NOT FOR CONSTRUCTION

1 PHASE 1 - HVAC PLAN - LEVEL 01
 SCALE: 1/16" = 1'-0"

Sheet Name
HVAC PLAN - LEVEL 1 - PHASE 1

Sheet Number
M-201

Project Status
 SCHEMATIC DESIGN DRAWINGS

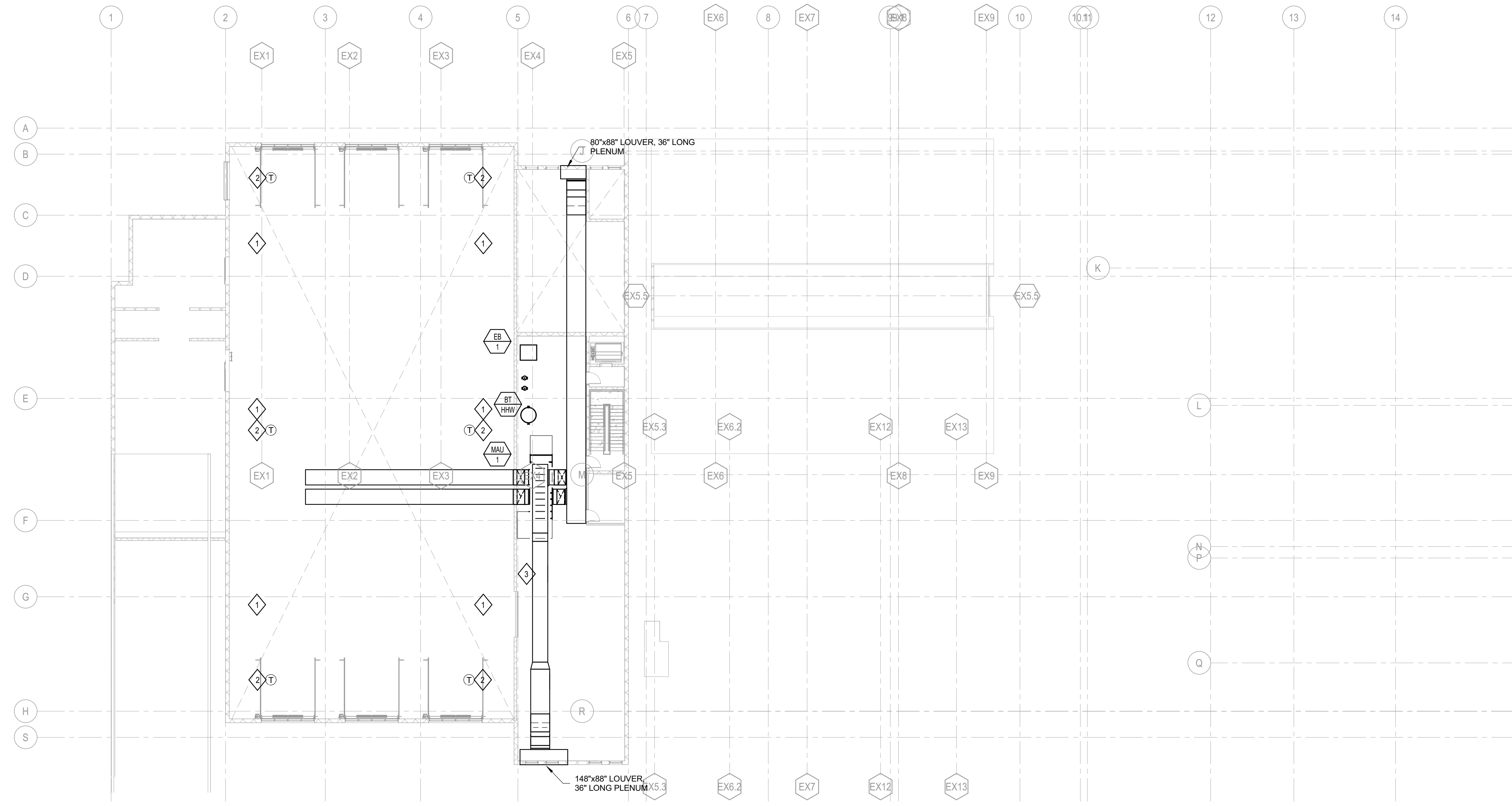


GENERAL NOTES

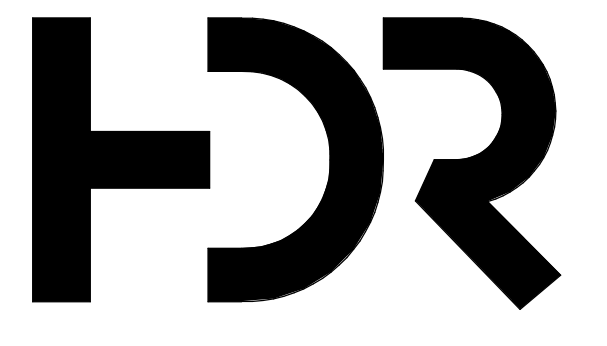
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KEYNOTES

- DESTRATIFICATION FAN
- DESTRATIFICATION FAN UPPER TEMPERATURE SENSOR
- OPERATOR'S WORKSTATION. PROVIDE DESKTOP PC, DESK ALONG WALL AND NETWORK CONNECTION TO BMS.



1 PHASE 1 - HVAC PLAN - LEVEL 02
SCALE: 1/16" = 1'-0"



HDR Architecture
20 E Thomas Rd
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Phoenix, AZ 85012

MOUNTAIN LINE

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Plumbing Engineer	Robbie Ramsey
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Wayfinding	

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Project Number	10380810
Original Issue	04/15/24

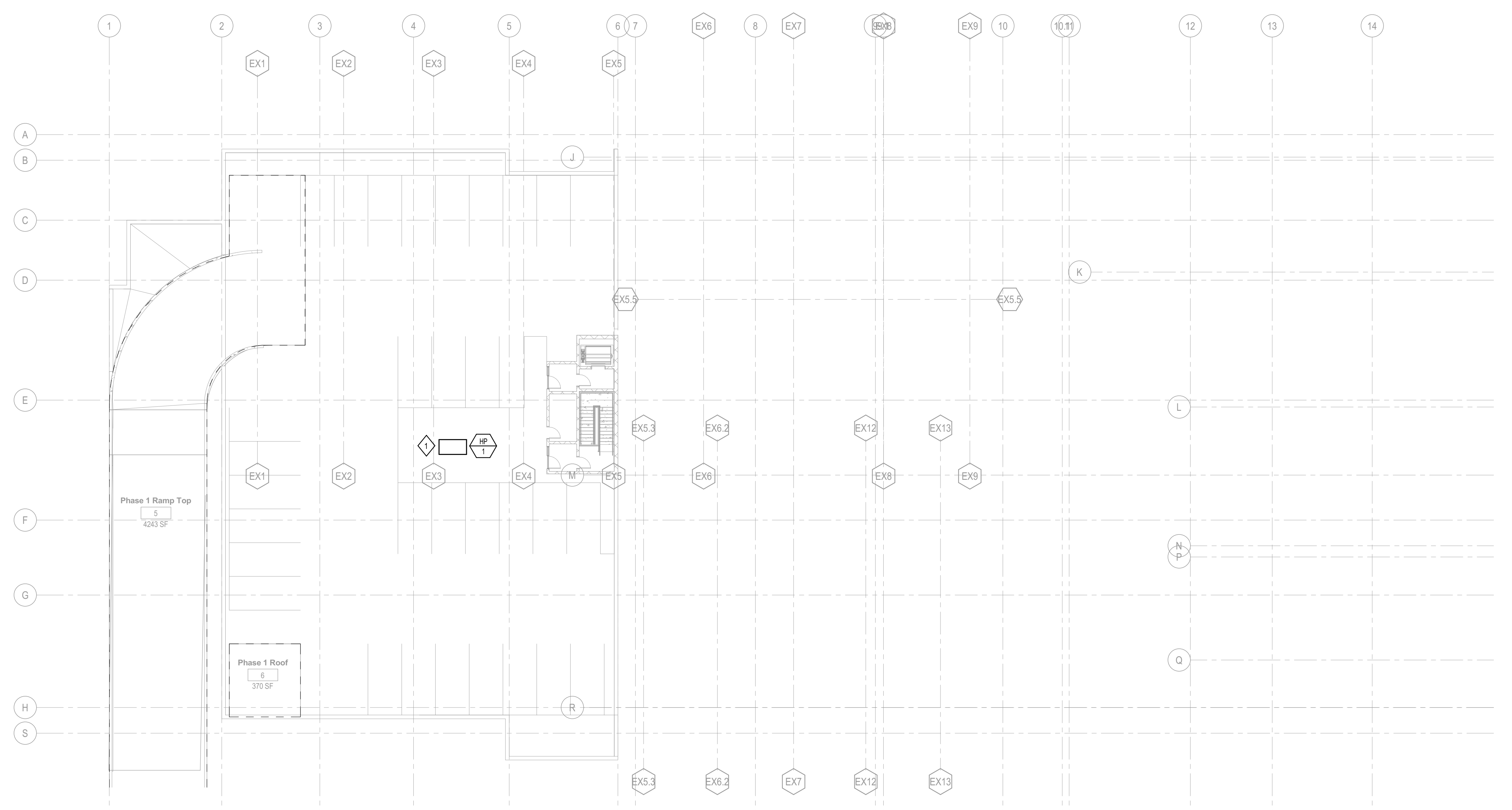
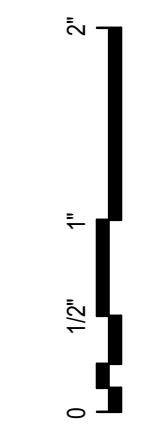
PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
HVAC PLAN - LEVEL 2 - PHASE 1

Sheet Number
M-202

Project Status
SCHEMATIC DESIGN DRAWINGS

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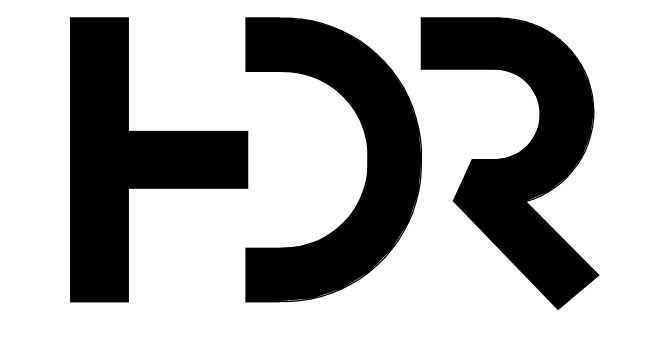
1 PHASE 1 - HVAC PLAN - LEVEL 03
SCALE: 1/16" = 1'-0"

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- ALL ELEVATIONS NOTED ARE RELATIVE TO FINISHED FLOOR ELEVATION.

KEYNOTES

- ALTERNATE LOCATION.



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MOUNTAIN LINE

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Plumbing Engineer	Robbie Ramsey
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Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer	Author
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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

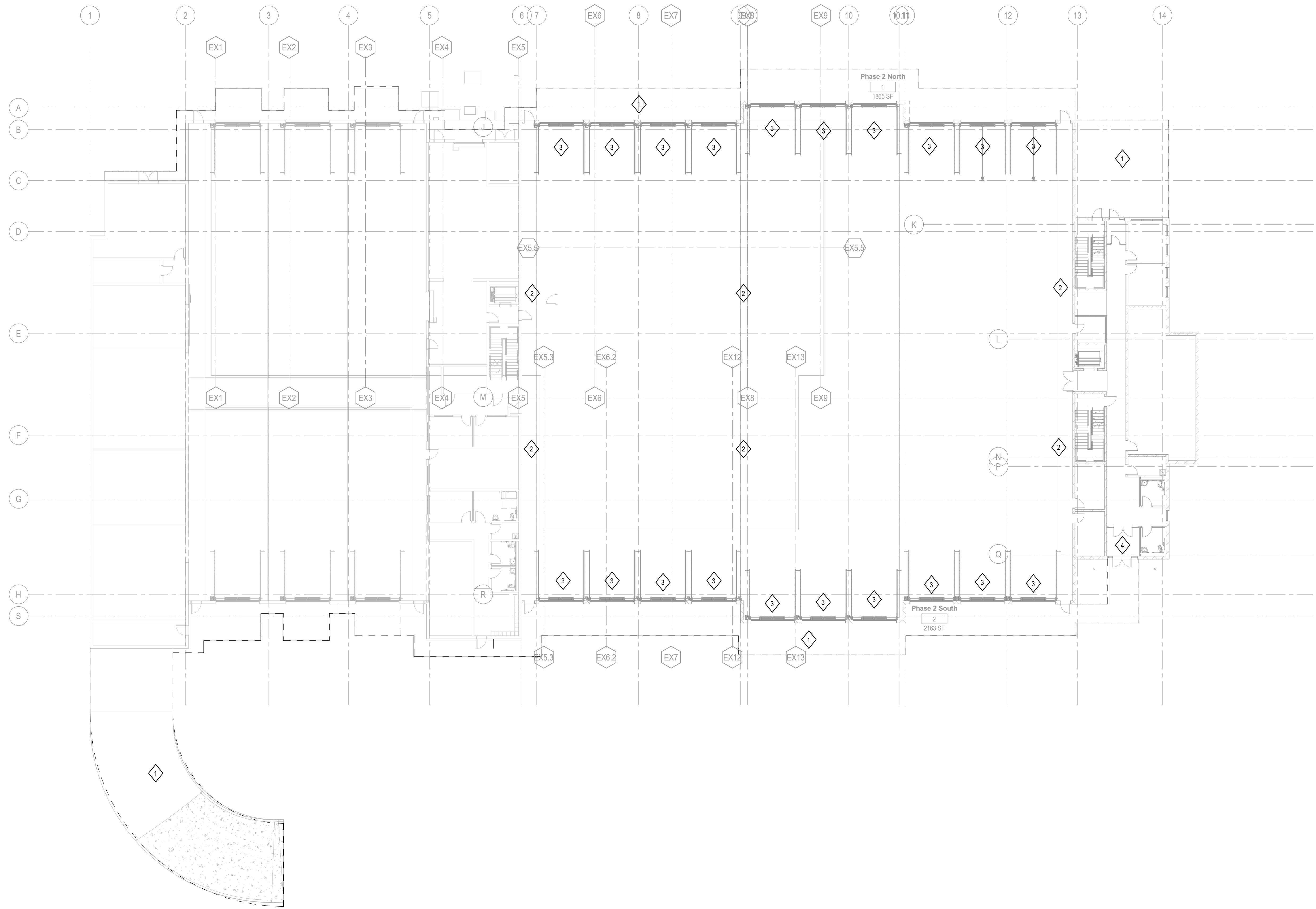
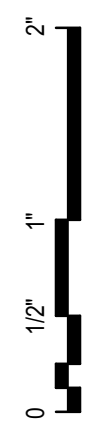
Project Number	10380810
Original Issue	04/15/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
**HVAC PLAN - LEVEL 3
- PHASE 1**

Sheet Number
M-203

Project Status
SCHEMATIC DESIGN DRAWINGS

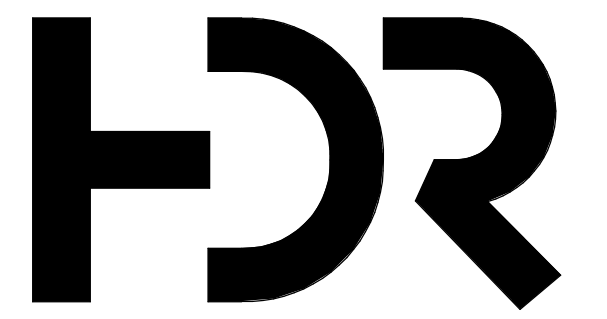


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KEYNOTES

- 1 SPACES ENCLOSED IN DASHED LINE INDICATE SNOW MELT ZONE.
2 CO AND NOX GAS DETECTION SENSORS CONNECTED TO EXHAUST SYSTEM.
3 HOT WATER UNIT HEATER AT EACH BUS DOOR.
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HDR Architecture
20 E Thomas Rd
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Dr
Flagstaff, AZ 86004



Table listing project roles and names: Project Manager (Pat Glowacki), Project Designer (Katherine Dudzik Smith), Project Architect (Rachel McAdoo), Landscape Architect (Claire Edelman-Heath), Civil Engineer (Abhay Khair), Structural Engineer (Chad Stoppel), Mechanical Engineer (Brett McQuillan), Electrical Engineer (Robbie Ramsey), Plumbing Engineer (Robbie Ramsey), Interior Designer (Jessi Levin), Equipment Planner (Ken Booth), Wayfinding (Ken Booth).

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Project Number: 10380810
Original Issue: 04/15/24

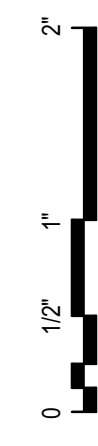
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NOT FOR CONSTRUCTION

Sheet Name: HVAC PLAN - LEVEL 1 - PHASE 2

Sheet Number: M-205

Project Status: SCHEMATIC DESIGN DRAWINGS

1 PHASE 2 - HVAC PLAN - LEVEL 01
SCALE: 1/16" = 1'-0"

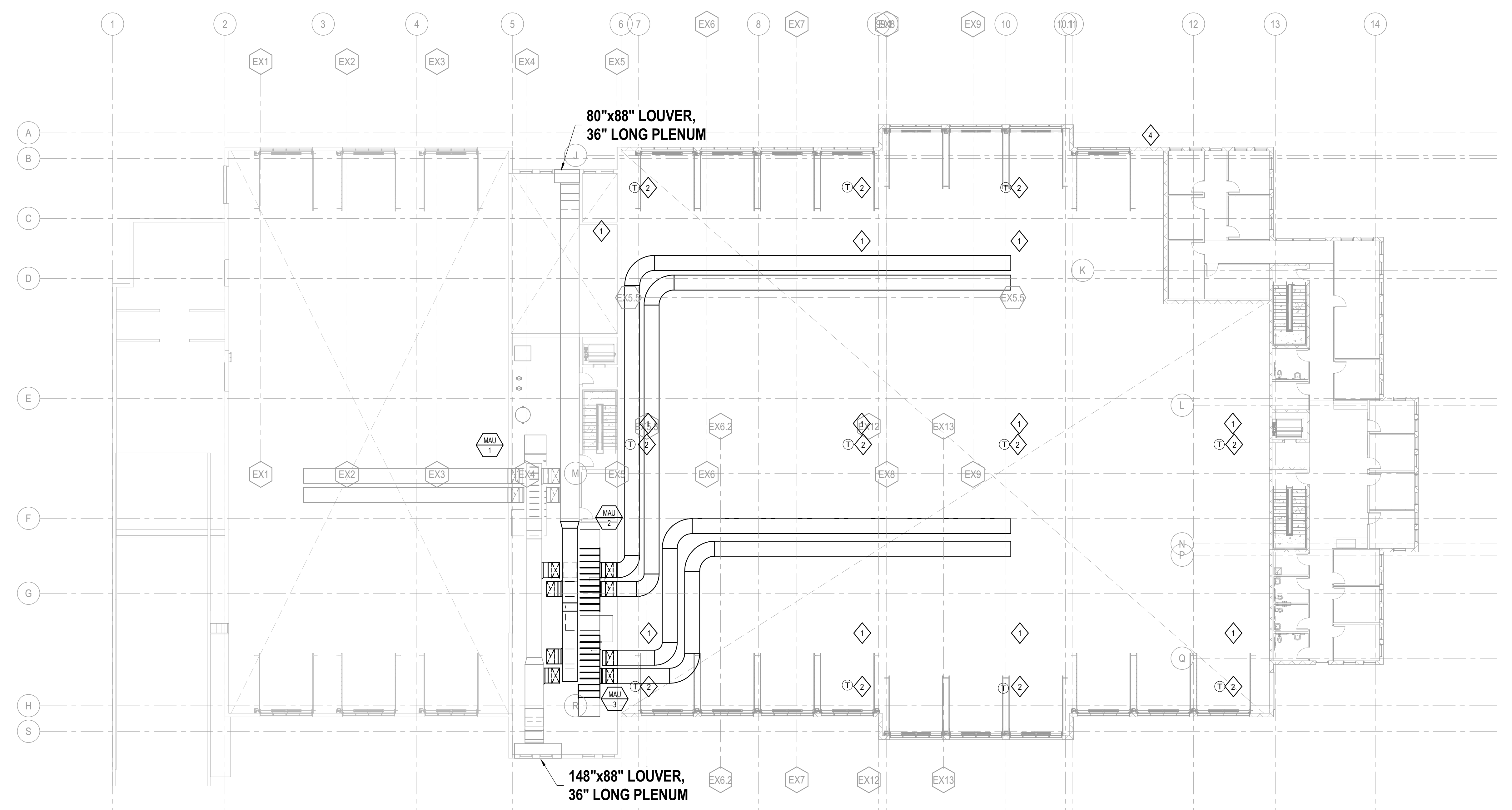


GENERAL NOTES

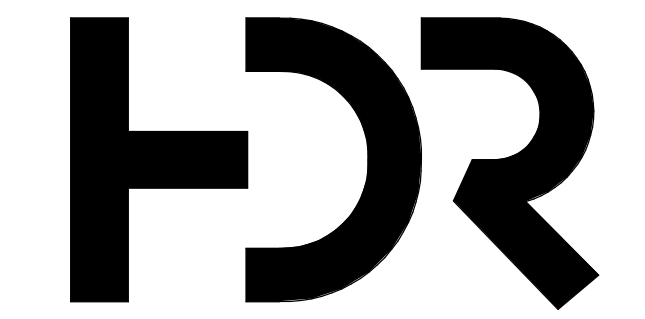
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KEYNOTES

- DESTRATIFICATION FAN
- DESTRATIFICATION FAN UPPER TEMPERATURE SENSOR
- CONNECT TO DISCHARGE LOUVER - REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOUVER.



1 PHASE 2 - HVAC PLAN - LEVEL 02
SCALE: 1/16" = 1'-0"



HDR Architecture
20 E Thomas Rd
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MOUNTAIN LINE

3733 N Kasper Dr
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Equipment Planner	Wayfinding

Sheet Reviewer | Author

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	04.15.2024	SD DRAWINGS

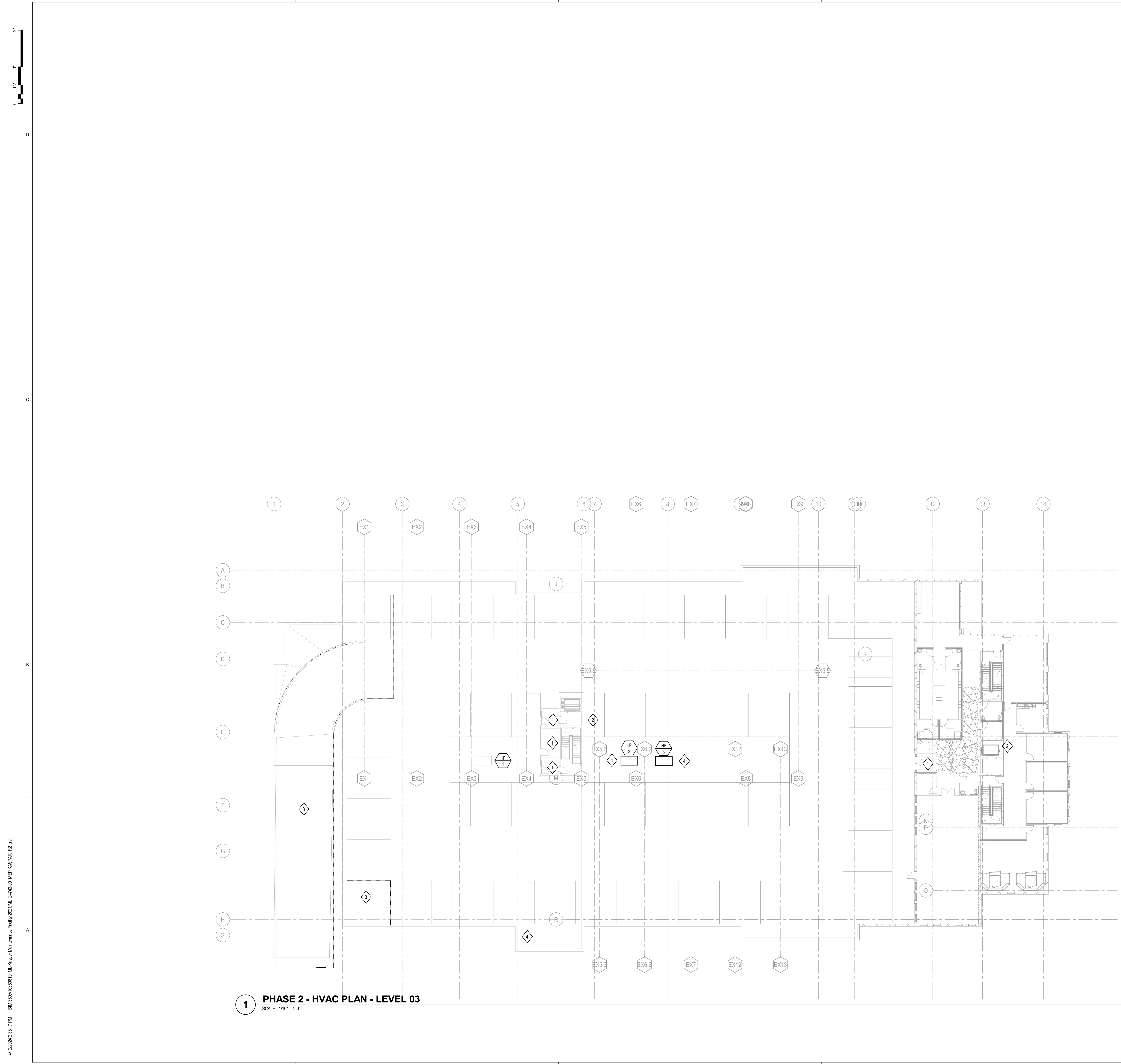
Project Number | 10380810
Original Issue | 04/15/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
HVAC PLAN - LEVEL 2 - PHASE 2

Sheet Number
M-206

Project Status
SCHEMATIC DESIGN DRAWINGS



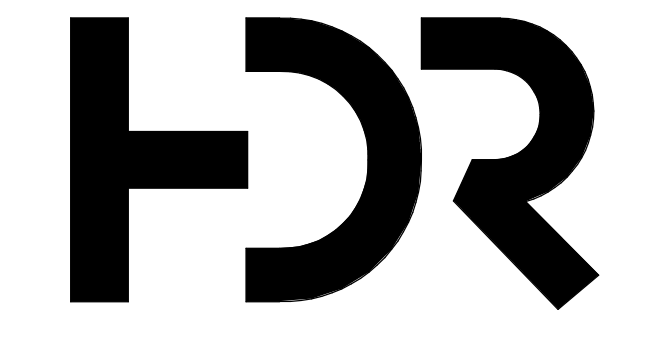
1 PHASE 2 - HVAC PLAN - LEVEL 03
SCALE: 1/16" = 1'-0"

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KEYNOTES

- 1 UNIT HEATER CONTROLLED BY DOOR SWITCH.
- 2 PACKAGED HEAT PUMP SERVING ELEVATOR MACHINERY AND CONTROL.
- 3 SPACES ENCLOSED IN DASHED LINES INDICATE SNOW MELT ZONE.
- 4 ALTERNATE LOCATION.



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Wayfinding	

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
HVAC PLAN - LEVEL 3 - PHASE 2

Sheet Number
M-207

Project Status
SCHEMATIC DESIGN DRAWINGS



Project Manager	Pat Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
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Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer: Author

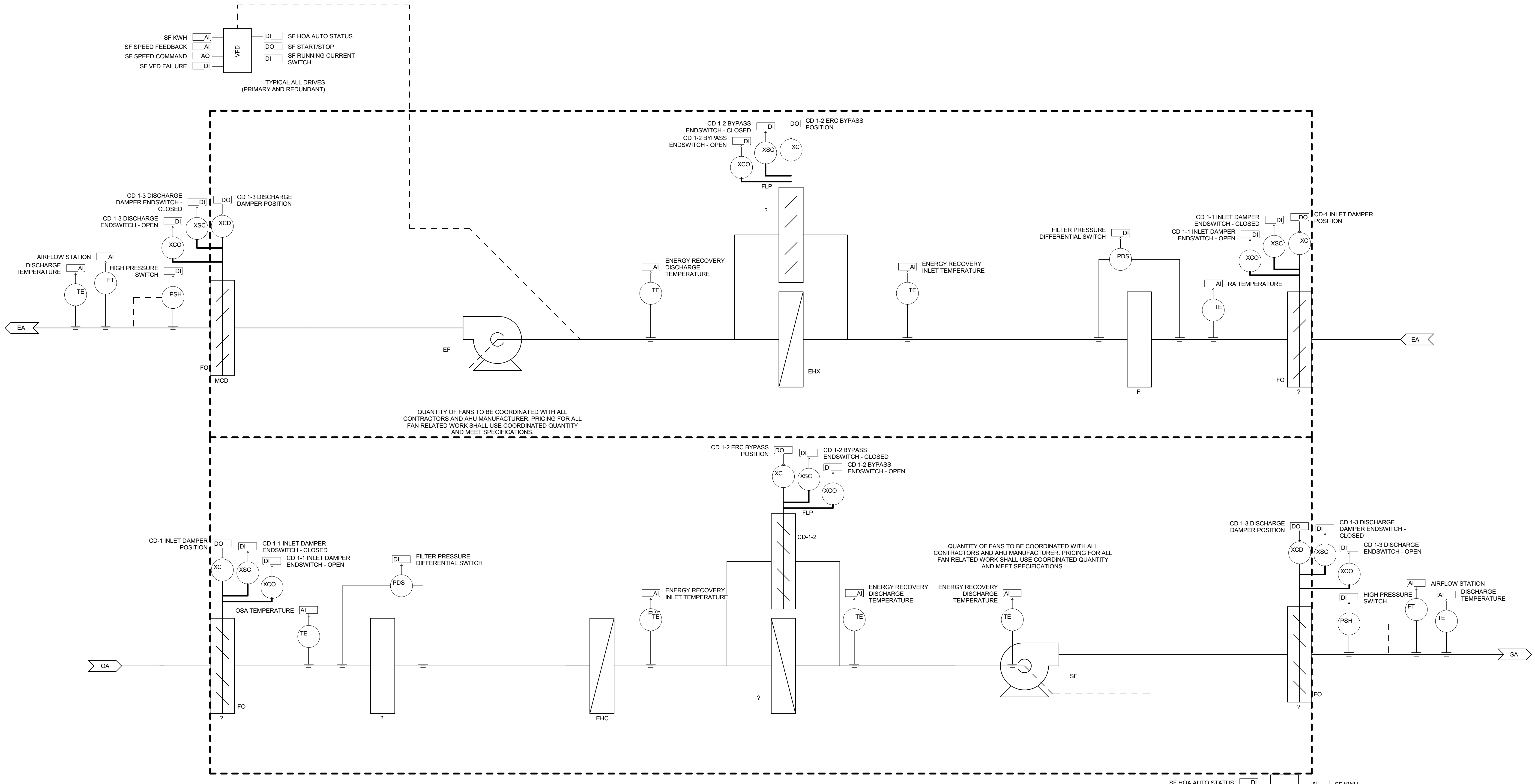
MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/24

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Sheet Name
MECHANICAL RISER DIAGRAM

Sheet Number
M-701
Project Status
SCHEMATIC DESIGN DRAWINGS



ENERGY RECOVERY VENTILATOR SUMMARY CONTROL SEQUENCE NARRATIVE
THE ADMINISTRATION BUILDING SHALL BE PROVIDED WITH AN ENERGY RECOVERY VENTILATOR WITH PACKAGED CONTROLS FROM THE UNIT MANUFACTURER.

ENERGY RECOVERY VENTILATOR SHALL BE CONTROLLED PROVIDE BETWEEN 65°F AND 78°F AIR TO THE BUILDING. A DUCT MOUNTED ELECTRIC REHEAT COIL SHALL BE PROVIDED TO INCREASE THE DISCHARGE AIR TEMPERATURE FROM 40°F TO 65°F ON A DESIGN HEATING DAY.

SUPPLEMENTAL HEATING AND COOLING SHALL BE PROVIDED AT SPACES TO MAINTAIN SPACE SET-POINTS BETWEEN 68°F AND 78°F DURING OCCUPIED HOURS.

AIRFLOW SHALL BE MODULATED BASED ON ROOM OCCUPANCY AND NATURAL VENTILATION STATUS.

EXHAUST AIR SHALL TRACK SUPPLY AIR WITH A FIXED OFFSET.

NO DEHUMIDIFICATION CONTROLS ARE PROVIDED.

ENERGY RECOVERY VENTILATOR SHALL BE PROVIDED WITH A MEMBRANE PLATE AIR TO AIR ENERGY RECOVERY CORE. THE ENERGY RECOVERY CORE SHALL BE CONTROLS SHALL BE PROVIDED BY THE ENERGY RECOVERY CORE MANUFACTURER WITH PROVISIONS FOR ECONOMIZER BYPASS, FROST PROTECTION AND TEMPERATURE CONTROL.

ECONOMIZER BYPASS SHALL BE ACTIVE BETWEEN OUTDOOR AIR TEMPERATURES OF 45°F AND 78°F.

FROST PROTECTION SHALL BE PROVIDED BY MEANS OF AN ELECTRIC PREHEAT COIL AND THE ENERGY RECOVERY CORE BYPASS DAMPERS AS DETERMINED BY THE MANUFACTURER TO PREVENT FROST AND CONDENSATION FROM OCCURRING ON THE ENERGY RECOVERY CORE.

TEMPERATURE CONTROL SHALL BE PROVIDED BY MEANS OF THE ENERGY RECOVERY CONTROL BYPASS DAMPERS. TEMPERATURE CONTROL SHALL MAINTAIN THE UNIT DISCHARGE TEMPERATURE BETWEEN 65°F AND 78°F JOINTLY WITH THE DUCT-MOUNTED ELECTRIC REHEAT COIL.

MAKE-UP AIR ENERGY RECOVERY VENTILATOR SUMMARY CONTROL SEQUENCE NARRATIVE
THE BUS STORAGE, WASH AND MAINTENANCE BUILDINGS SHALL BE PROVIDED WITH AN ENERGY RECOVERY VENTILATOR MAKE-UP AIR UNITS WITH PACKAGED CONTROLS FROM THE UNIT MANUFACTURER.

ENERGY RECOVERY VENTILATOR SHALL BE CONTROLLED PROVIDE BETWEEN 40°F AND 85°F AIR TO THE BUILDING.

SUPPLEMENTAL HEATING SHALL BE PROVIDED AT THE SPACES TO MAINTAIN SPACE TEMPERATURES ABOVE 45°F.

AIRFLOW SHALL BE MODULATED AIRFLOW BASED ON SPACE AIR QUALITY SENSORS.

EXHAUST AIR SHALL TRACK SUPPLY AIR WITH A FIXED OFFSET.

NO DEHUMIDIFICATION CONTROLS ARE PROVIDED.

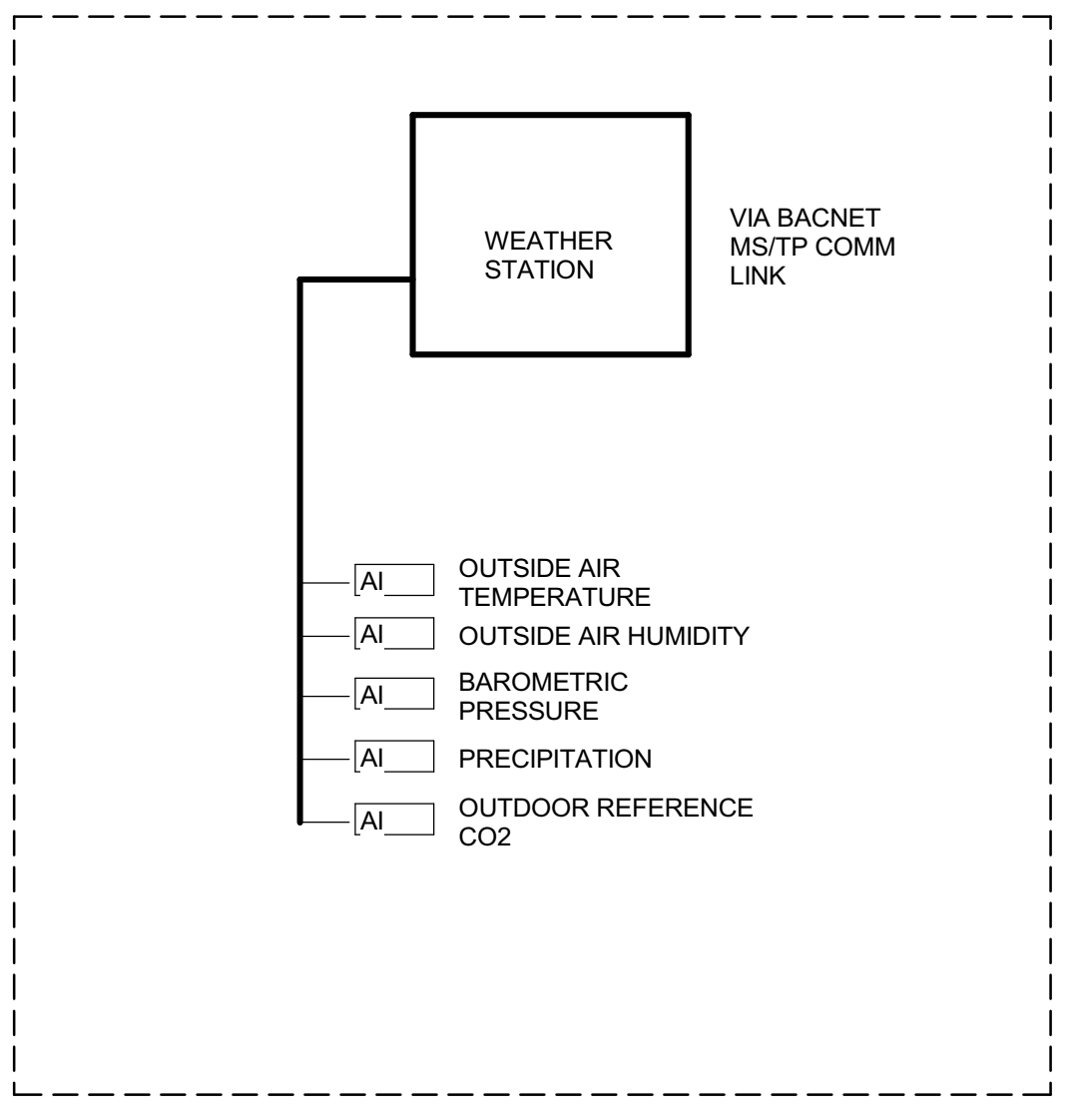
ENERGY RECOVERY VENTILATOR SHALL BE PROVIDED WITH A MEMBRANE PLATE AIR TO AIR ENERGY RECOVERY CORE. THE ENERGY RECOVERY CORE SHALL BE CONTROLS SHALL BE PROVIDED BY THE ENERGY RECOVERY CORE MANUFACTURER WITH PROVISIONS FOR ECONOMIZER BYPASS, FROST PROTECTION AND TEMPERATURE CONTROL.

ECONOMIZER BYPASS SHALL BE ACTIVE BETWEEN OUTDOOR AIR TEMPERATURES OF 45°F AND 85°F.

FROST PROTECTION SHALL BE PROVIDED BY MEANS OF AN ELECTRIC PREHEAT COIL AND THE ENERGY RECOVERY CORE BYPASS DAMPERS AS DETERMINED BY THE MANUFACTURER TO PREVENT FROST AND CONDENSATION FROM OCCURRING ON THE ENERGY RECOVERY CORE.

TEMPERATURE CONTROL SHALL BE PROVIDED BY MEANS OF THE ENERGY RECOVERY CONTROL BYPASS DAMPERS. TEMPERATURE CONTROL SHALL MAINTAIN THE UNIT DISCHARGE TEMPERATURE BETWEEN 40°F AND 85°F JOINTLY WITH THE DUCT-MOUNTED ELECTRIC REHEAT COIL.

1 ENERGY RECOVERY VENTILATOR CONTROL DIAGRAM
SCALE: 1/2" = 1'-0"



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ENERGY RECOVERY UNITS

SYSTEM	DESIGN AIRFLOW (CFM)	HP	FILTERS	MAX FACE VELOCITY (FPM)	APD IN WC	UNIT WEIGHT (LBS)	SUMMER			WINTER			ENERGY RECOVERY TYPE	BASIS OF DESIGN	REMARKS
							EAT DB DEG F	LAT DB DEG F	MIN TOTAL EFF	EAT DB DEG F	LAT DB DEG F	MIN TOTAL EFF			
MAU-1	11,000	2 @ 10HP	4" MERV 8	350	0.65	3800	-20	40	70	93	82	75	MEMBRANE CORE	RENEWAIRE LE	PROVIDE IN PHASE 1

AIR SOURCE HEAT PUMP

SYSTEM	LEVEL	MIN COOLING CAPACITY (TONS)	COOLING					HEATING					ELECTRICAL					CONTROL PANEL	REFRIGERANT	BASIS OF DESIGN	UNIT WEIGHT (LBS)	REMARKS	
			FLOW (GPM)	EWT (DEG F)	LWT (DEG F)	MAX PD (FT)	EAT (DEG F)	MIN HEATING CAPACITY (MBH)	FLOW (GPM)	EWT (DEG F)	LWT (DEG F)	MAX PD (FT)	EAT (DEG F)	FLA	MCA	MCP	VOLT						PH
HP-1	PARKING	35.0	84	68	60	14	96	450	110	90	110	22	-20	84	92	110	480	3	NEMA-3R	R-454B	YORK YMAE0035PJ5	2,700	PROVIDE IN PHASE 1

ENERGY RECOVERY UNITS

SYSTEM	DESIGN AIRFLOW (CFM)	HP	FILTERS	MAX FACE VELOCITY (FPM)	APD IN WC	UNIT WEIGHT (LBS)	SUMMER			WINTER			ENERGY RECOVERY TYPE	BASIS OF DESIGN	REMARKS
							EAT DB DEG F	LAT DB DEG F	MIN TOTAL EFF	EAT DB DEG F	LAT DB DEG F	MIN TOTAL EFF			
MAU-2	11,000	2 @ 10HP	4" MERV 8	350	0.65	3800	-20	40	70	93	82	75	MEMBRANE CORE	RENEWAIRE LE	PROVIDE IN PHASE 2
MAU-3	11,000	2 @ 10HP	4" MERV 8	350	0.65	3800	-20	40	70	93	82	75	MEMBRANE CORE	RENEWAIRE LE	PROVIDE IN PHASE 2

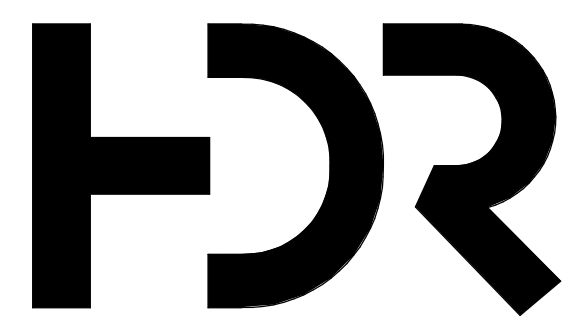
AIR SOURCE HEAT PUMP

SYSTEM	LEVEL	MIN COOLING CAPACITY (TONS)	COOLING					HEATING					ELECTRICAL					CONTROL PANEL	REFRIGERANT	BASIS OF DESIGN	UNIT WEIGHT (LBS)	REMARKS	
			FLOW (GPM)	EWT (DEG F)	LWT (DEG F)	MAX PD (FT)	EAT (DEG F)	MIN HEATING CAPACITY (MBH)	FLOW (GPM)	EWT (DEG F)	LWT (DEG F)	MAX PD (FT)	EAT (DEG F)	FLA	MCA	MCP	VOLT						PH
HP-2	PARKING	35.0	84	68	60	14	96	450	110	90	110	22	-20	84	92	110	480	3	NEMA-3R	R-454B	YORK YMAE0035PJ5	2,700	PROVIDE IN PHASE 2
HP-3	PARKING	35.0	84	68	60	14	96	450	110	90	110	22	-20	84	92	110	480	3	NEMA-3R	R-454B	YORK YMAE0035PJ5	2,700	PROVIDE IN PHASE 2

ELECTRIC BOILERS

MARK	LOCATION	SYSTEM	TYPE	CAPACITY	CAPACITY	ELEMENTS	MAX FLOW RATE	MAX FLOW RATE	ELECTRICAL				ESTIMATED OPERATING WEIGHT (LBS)	BASIS OF DESIGN	REMARKS
				REQUIRED OUTPUT (MBH)	(GAL)		10 DEG DROP (GPM)	20 DEG DROP (GPM)	FLA	VOLT	PH	RW			
1	MECH MEZZANINE	SNOW MELT	ELECTRIC	1,350	78	(66) 6KW	271	135.5	477	480	3	396	2040	CLEAVER BROOKS WB-201	

NOTES:



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MOUNTAIN LINE

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Flagstaff, AZ 86004



Project Manager	Pat Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Abhay Khaire
Structural Engineer	Chad Stoppel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Robbie Ramsey
Plumbing Engineer	Jessi Levin
Interior Designer	Ken Booth
Equipment Planner	
Wayfinding	

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
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Project Number: 10380810
Original Issue: 04/15/24



MECHANICAL SCHEDULES

Sheet Name

M-901

Sheet Number
Project Status
SCHEMATIC DESIGN DRAWINGS

GENERAL NOTES



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Project Manager: Pat Glowacki
Project Designer: Katherine Dutzik Smith
Project Architect: Rachel McAdoo
Landscape Architect: Claire Edelman-Heath
Civil Engineer: Abhay Khaire
Structural Engineer: Chad Sippel
Mechanical Engineer: Brett McQuillan
Electrical Engineer: Robert Ramsey
Plumbing Engineer: Robert Ramsey
Interior Designer: Jessi Levin
Equipment Planner: Ken Booth
Wayfinding: Ken Booth

Sheet Reviewer: LR

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

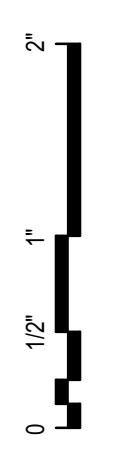
Project Number: 10380810
Original Issue: 04/15/24

PRELIMINARY
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Sheet Name
**ELECTRICAL SITE
PLAN DEMOLITION**

Sheet Number
ES-100

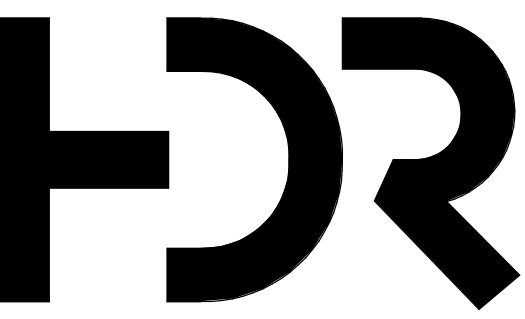
Project Status
SCHEMATIC DESIGN DRAWINGS



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1 DEMOLITION - ELECTRICAL SITE PLAN
SCALE: 3/64" = 1'-0"



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KEYNOTES

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Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Ashay Khaire
Structural Engineer	Chad Stippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Electrical Engineer
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Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer LR

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/24



Sheet Name
ELECTRICAL SITE PLAN PHASE 1

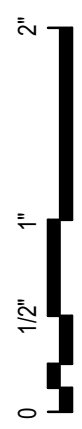
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Project Status
SCHEMATIC DESIGN DRAWINGS

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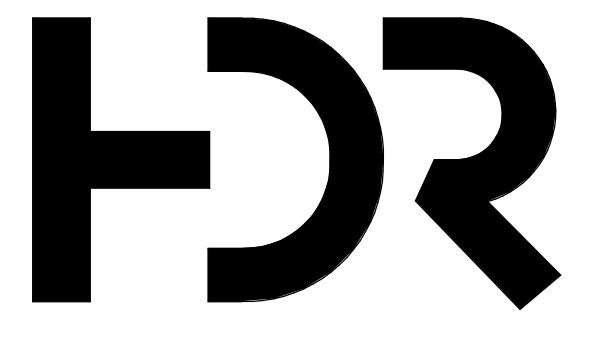


1 PHASE 1 - ELECTRICAL SITE PLAN
SCALE: 3/8" = 1'-0"



GENERAL NOTES

- A. LIGHT FIXTURES SHOWN FOR QUANTITY AND ROUGH PROXIMITY WITHIN SPACES. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT AND DIMENSIONS.
- B. OCCUPANCY/VACANCY SENSOR LOCATIONS ARE PROVIDED TO SHOW DESIGN INTENT. FINAL QUANTITY AND LOCATIONS SHALL BE DETERMINED BY VENDOR/MANUFACTURER TO IMPROVE COVERAGE AS NEEDED AND AVOID NUISANCE ACTIVATION DUE TO ADJACENT DIFFUSERS AND GLAZING.
- C. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION ABOUT FIXTURE TYPES AND INSTALLATION REQUIREMENTS.
- D. LIGHTING CONTROL DEVICES AND THERMOSTAT CONTROL TO BE INSTALLED AT THE SAME HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ELEVATION.
- E. COMBINE MULTIPLE SWITCHES UNDER THE SAME MULTI-GANG SWITCH COVER PLATE.
- F. WALL MOUNTED EXIT LIGHTS SHOWN ABOVE DOORS SHALL BE CENTERED AND 1'-0" ABOVE DOOR FRAME TO BOTTOM OF EXIT LIGHT.
- G. REFER TO E9 SERIES OF DRAWINGS FOR LUMINAIRE SCHEDULE.
- H. REFER TO E9 SERIES OF DRAWINGS FOR LIGHTING CONTROL SCHEDULES.



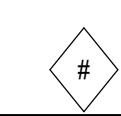
HDR Architecture
20 E Thomas Rd
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

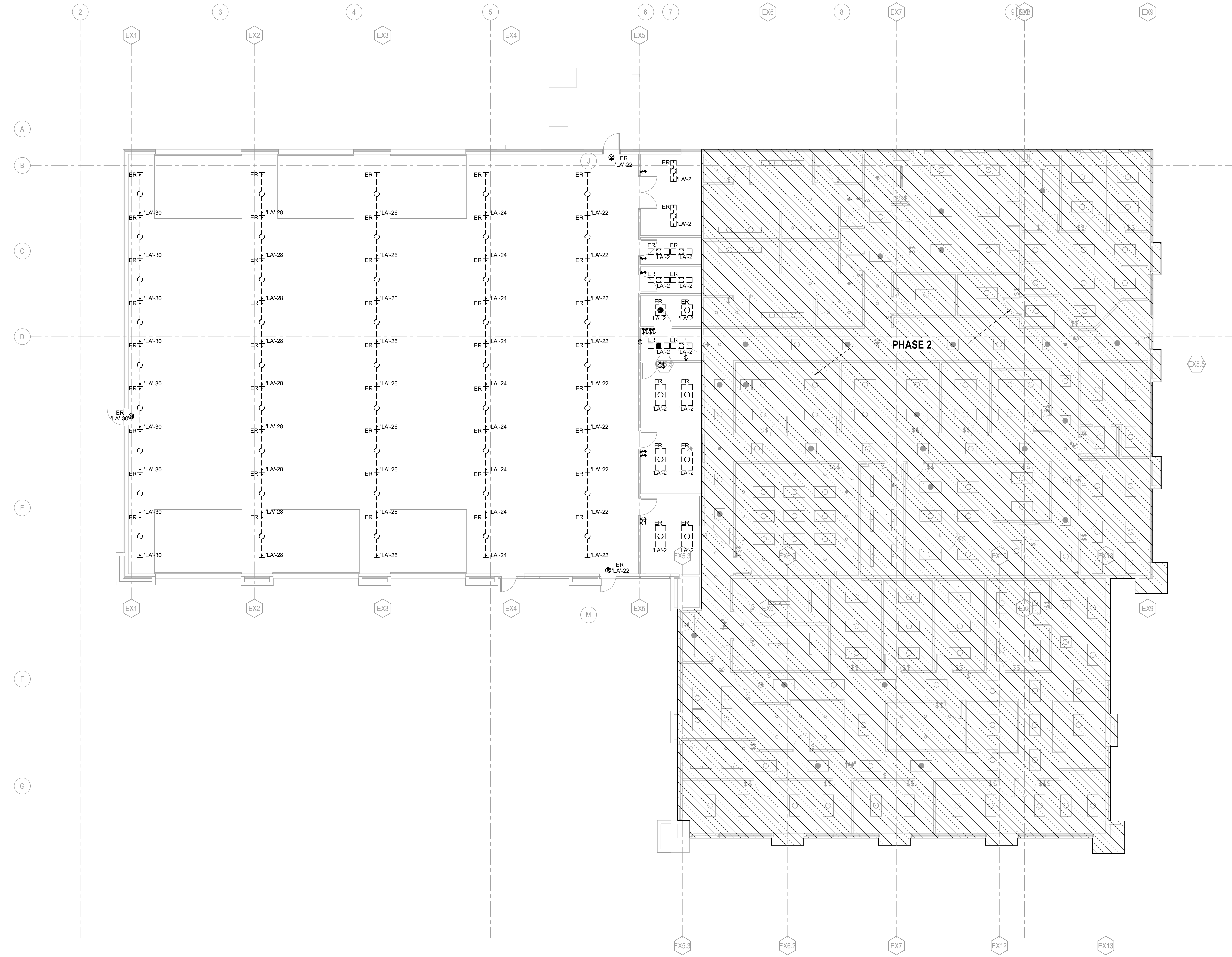
3733 N Kasper Dr
Flagstaff, AZ 86004



KEYNOTES



PHASE 2



1 PHASE 1 - LIGHTING PLAN - LEVEL 01 - DEMOLITION

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

Project Manager	Pat Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Abhay Khairi
Structural Engineer	Chad Stippel
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Electrical Engineer	Electrical Engineer
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer	Author	
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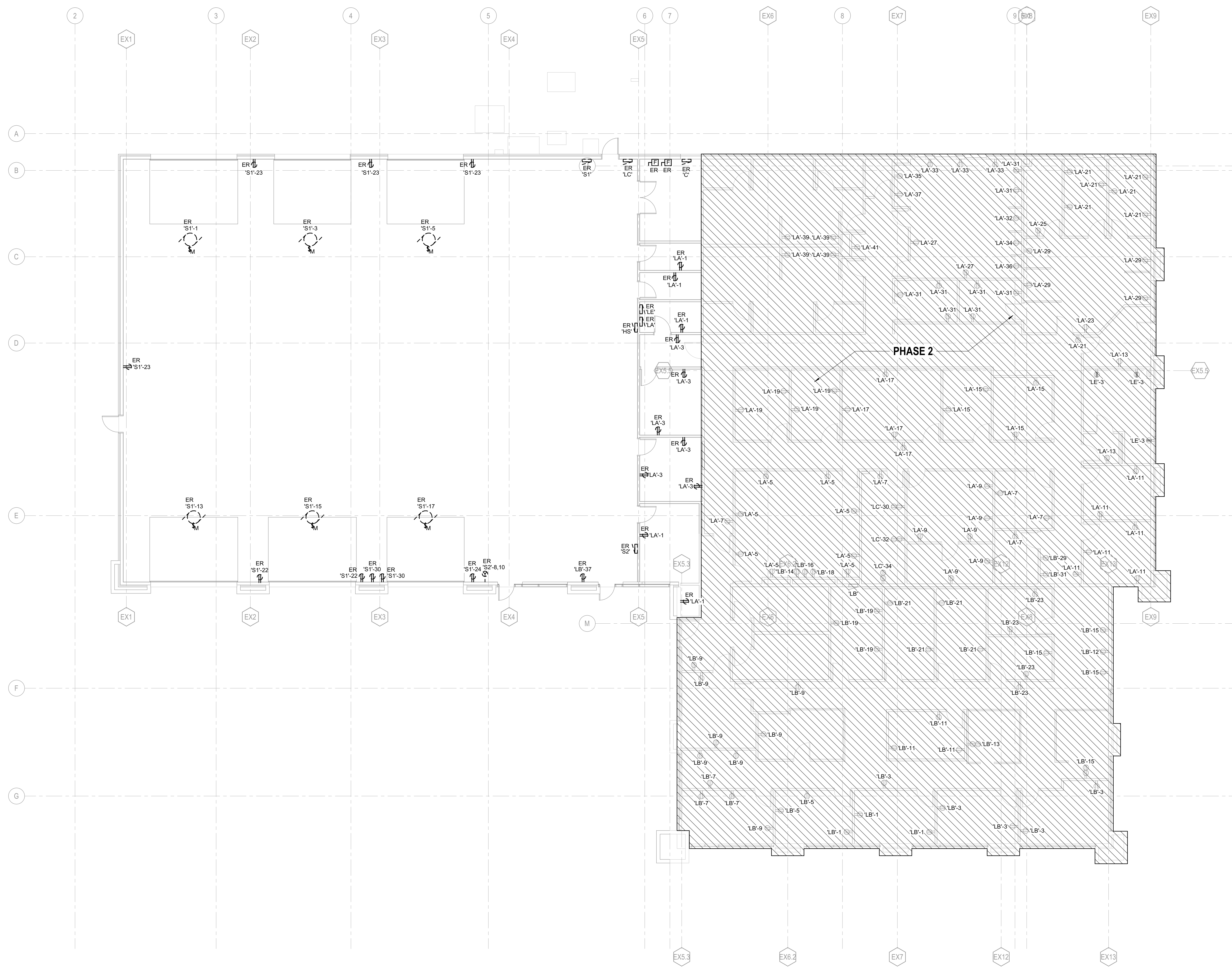
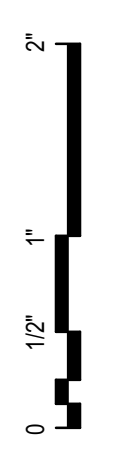


Sheet Name
LIGHTING PLAN - LEVEL 01 - PHASE 1 - DEMOLITION

Sheet Number
ED-201

Project Status
SCHEMATIC DESIGN DRAWINGS

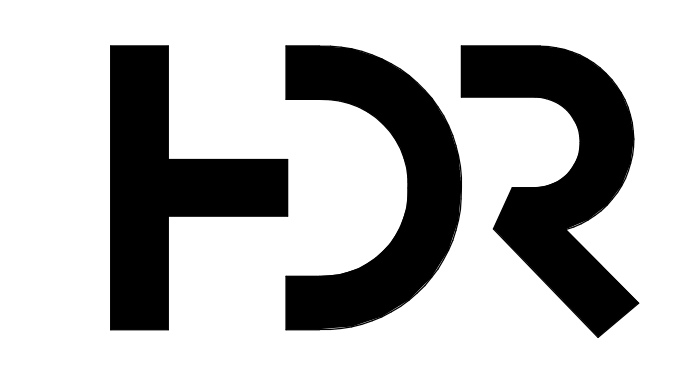
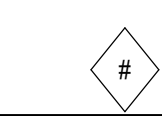
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GENERAL NOTES

- A. ELECTRICAL FIXTURES AND EQUIPMENT LOCATIONS ARE DIAGRAMATIC REPRESENTATIONS AND NOT DIMENSIONED LOCATIONS. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND EQUIPMENT SHOP DRAWINGS FOR EXACT LOCATION.
- B. COORDINATE WITH DOOR HARDWARE SUPPLIER AND FIRE ALARM VENDOR TO INSTALL CONDUIT AND WIRING AS NEEDED FOR A FUNCTIONING, CODE COMPLIANT INSTALLATION.
- C. RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE SHALL BE GFCI TYPE PER NEC 210.8(B)(5).
- D. VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO ROUGH IN.
- E. COORDINATE INSTALLATION AND WIRING REQUIREMENTS, INCLUDING EXACT LOCATION OF POINT OF CONNECTION, WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.
- F. PENETRATIONS THROUGH SMOKE OR FIRE WALLS SHALL BE SEALED BY APPROVED FIRESTOPPING METHOD PER MANUFACTURER'S RECOMMENDATIONS. CONDUIT PENETRATIONS THROUGH NON-RATED WALLS SHALL BE SEALED WITH URETHANE CAULK.

KEYNOTES



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Equipment Planner	
Wayfinding	

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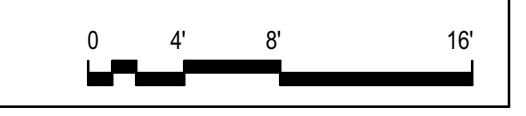
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Sheet Name
POWER PLAN - LEVEL 01 - PHASE 1 - DEMOLITION

Sheet Number
ED-301

Project Status
SCHEMATIC DESIGN DRAWINGS

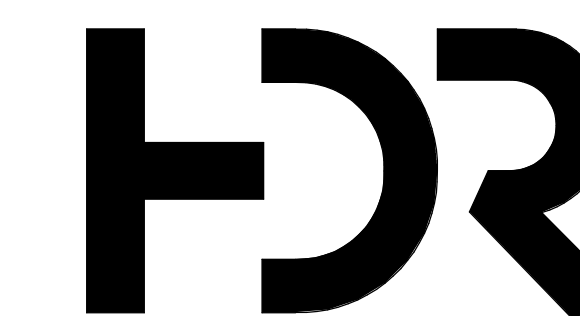
1 PHASE 1 - POWER PLAN - LEVEL 01 - DEMOLITION
SCALE: 1/8" = 1'-0"





GENERAL NOTES

- A. LIGHT FIXTURES SHOWN FOR QUANTITY AND ROUGH PROXIMITY WITHIN SPACES. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT AND DIMENSIONS.
- B. OCCUPANCY/VACANCY SENSOR LOCATIONS ARE PROVIDED TO SHOW DESIGN INTENT. FINAL QUANTITY AND LOCATIONS SHALL BE DETERMINED BY VENDOR/MANUFACTURER TO IMPROVE COVERAGE AS NEEDED AND AVOID NUISANCE ACTIVATION DUE TO ADJACENT DIFFUSERS AND GLAZING.
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- G. REFER TO E9 SERIES OF DRAWINGS FOR LUMINAIRE SCHEDULE.
- H. REFER TO E9 SERIES OF DRAWINGS FOR LIGHTING CONTROL SCHEDULES.



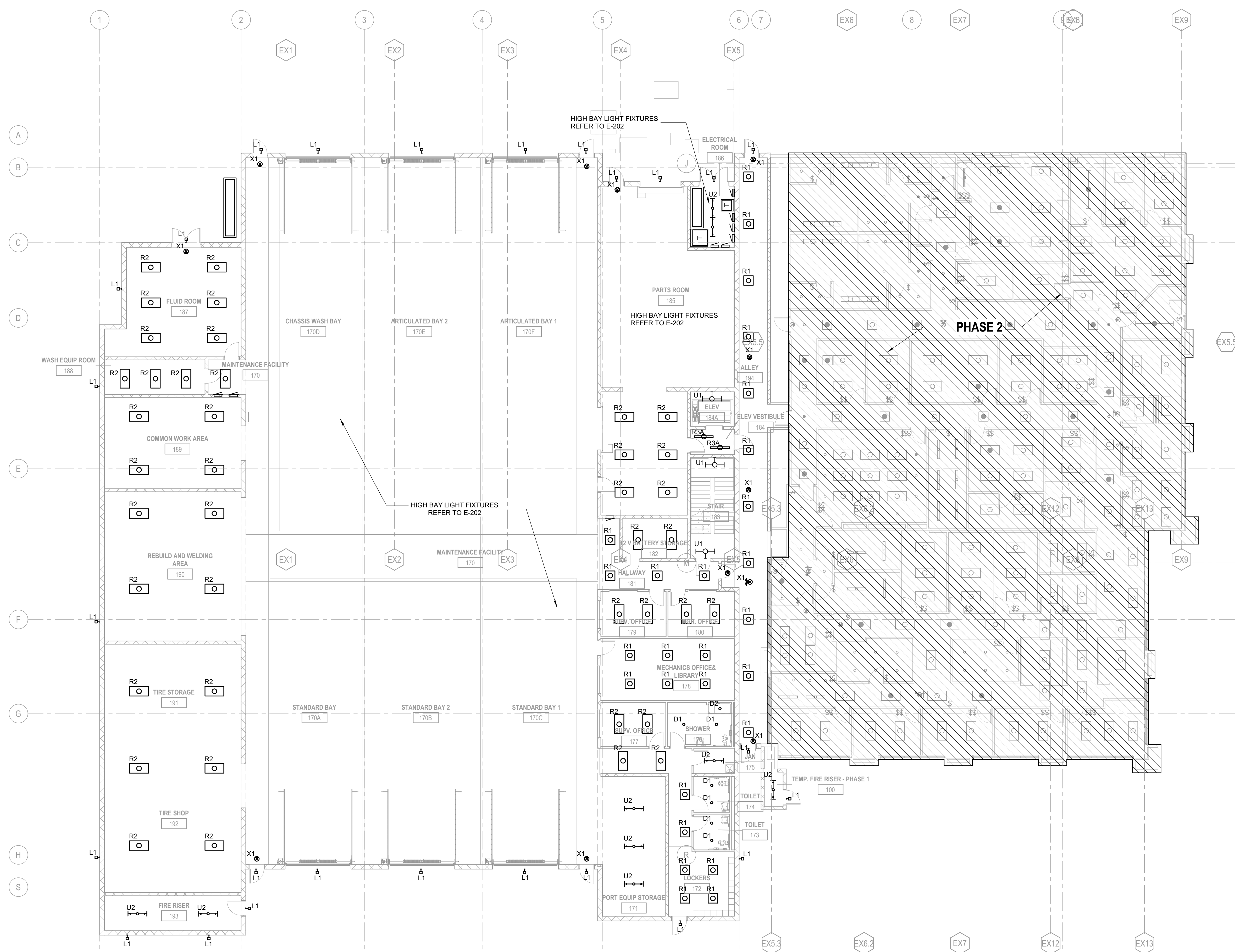
HDR Architecture
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MOUNTAIN LINE

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Flagstaff, AZ 86004



KEYNOTES



1 PHASE 1 - LIGHTING PLAN - LEVEL 01
SCALE: 3/32" = 1'-0"

Project Manager	Pat Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khairi
Structural Engineer	Chad Stoppel
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Plumbing Engineer	Jessi Levin
Interior Designer	Ken Booth
Equipment Planner	
Wayfinding	

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Original Issue: 04/15/24

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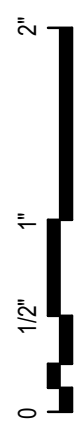
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**LIGHTING PLAN -
LEVEL 1 - PHASE 1**

Sheet Number

E-201

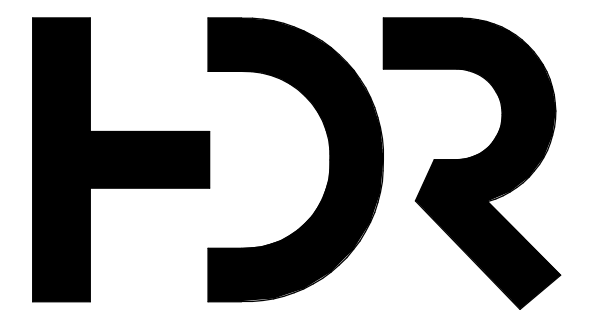
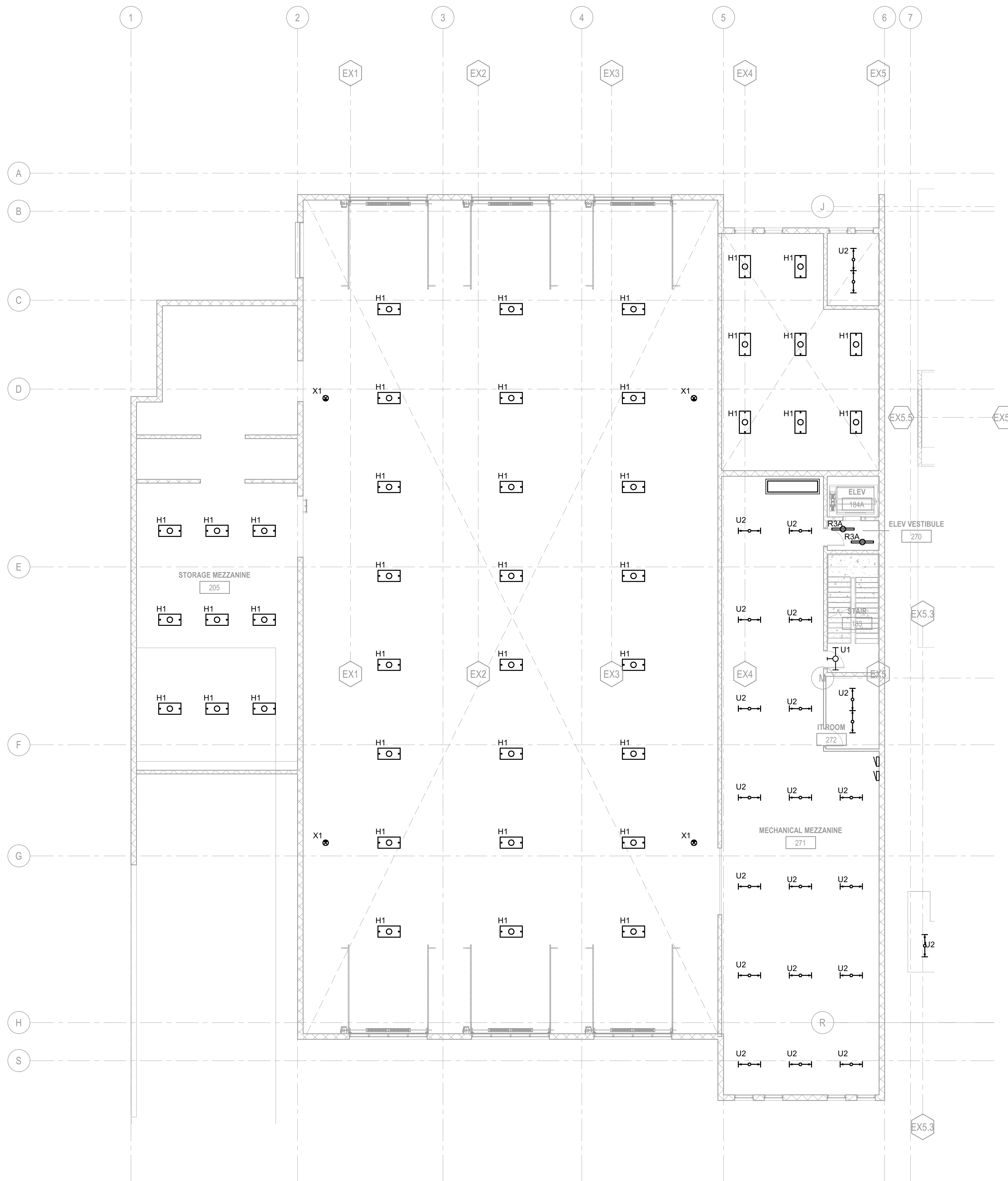
Project Status
SCHEMATIC DESIGN DRAWINGS



GENERAL NOTES

- A. LIGHT FIXTURES SHOWN FOR QUANTITY AND ROUGH PROXIMITY WITHIN SPACES. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT AND DIMENSIONS.
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- E. COMBINE MULTIPLE SWITCHES UNDER THE SAME MULTI-GANG SWITCH COVER PLATE.
- F. WALL MOUNTED EXIT LIGHTS SHOWN ABOVE DOORS SHALL BE CENTERED AND 1'-0" ABOVE DOOR FRAME TO BOTTOM OF EXIT LIGHT.
- G. REFER TO E9 SERIES OF DRAWINGS FOR LUMINAIRE SCHEDULE.
- H. REFER TO E9 SERIES OF DRAWINGS FOR LIGHTING CONTROL SCHEDULES.

KEYNOTES



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Wayfinding	

Sheet Reviewer	Author	
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PRELIMINARY
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Sheet Name
**LIGHTING PLAN -
LEVEL 2 - PHASE 1**

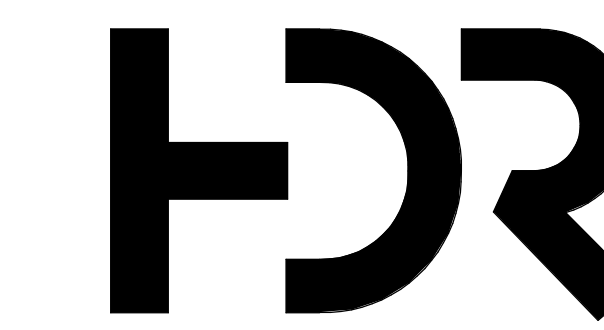
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Project Status
SCHEMATIC DESIGN DRAWINGS

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GENERAL NOTES

- A. LIGHT FIXTURES SHOWN FOR QUANTITY AND ROUGH PROXIMITY WITHIN SPACES. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT AND DIMENSIONS.
- B. OCCUPANCY/VACANCY SENSOR LOCATIONS ARE PROVIDED TO SHOW DESIGN INTENT. FINAL QUANTITY AND LOCATIONS SHALL BE DETERMINED BY VENDOR/MANUFACTURER TO IMPROVE COVERAGE AS NEEDED AND AVOID NUISANCE ACTIVATION DUE TO ADJACENT DIFFUSERS AND GLAZING.
- C. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION ABOUT FIXTURE TYPES AND INSTALLATION REQUIREMENTS.
- D. LIGHTING CONTROL DEVICES AND THERMOSTAT CONTROL TO BE INSTALLED AT THE SAME HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ELEVATION.
- E. COMBINE MULTIPLE SWITCHES UNDER THE SAME MULTI-GANG SWITCH COVER PLATE.
- F. WALL MOUNTED EXIT LIGHTS SHOWN ABOVE DOORS SHALL BE CENTERED AND 1'-0" ABOVE DOOR FRAME TO BOTTOM OF EXIT LIGHT.
- G. REFER TO E9 SERIES OF DRAWINGS FOR LUMINAIRE SCHEDULE.
- H. REFER TO E9 SERIES OF DRAWINGS FOR LIGHTING CONTROL SCHEDULES.



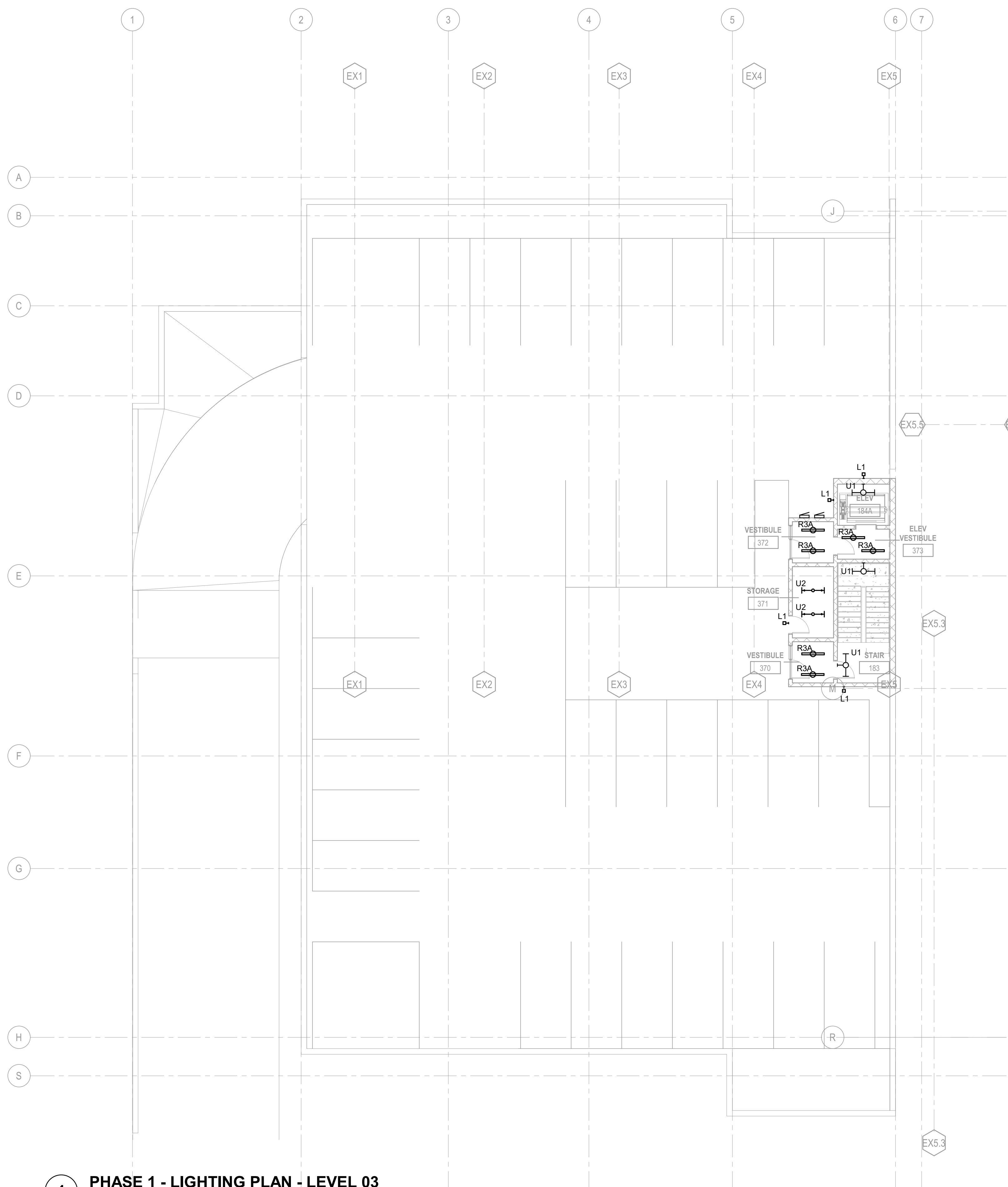
HDR Architecture
20 E Thomas Rd
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Dr
Flagstaff, AZ 86004



KEYNOTES



1 PHASE 1 - LIGHTING PLAN - LEVEL 03
SCALE: 3/32" = 1'-0"

Project Manager	Pat Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Abhay Khair
Structural Engineer	Chad Stoppel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Electrical Engineer
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer	Author
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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/24

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Sheet Name
**LIGHTING PLAN -
LEVEL 3 - PHASE 1**

Sheet Number
E-203

Project Status
SCHEMATIC DESIGN DRAWINGS



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Project Manager Pat Glowacki
Project Designer Katherine Dutzik Smith
Project Architect Rachel McAdoo
Landscape Architect Claire Edelman-Heath
Civil Engineer Abhay Khairi
Structural Engineer Chad Sippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Electrical Engineer
Plumbing Engineer Robee Ramey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number 10330810
Original Issue 04/15/24

PRELIMINARY
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Sheet Name
POWER PLAN - LEVEL
01 - PHASE 1

Sheet Number
E-301

Project Status
SCHEMATIC DESIGN DRAWINGS

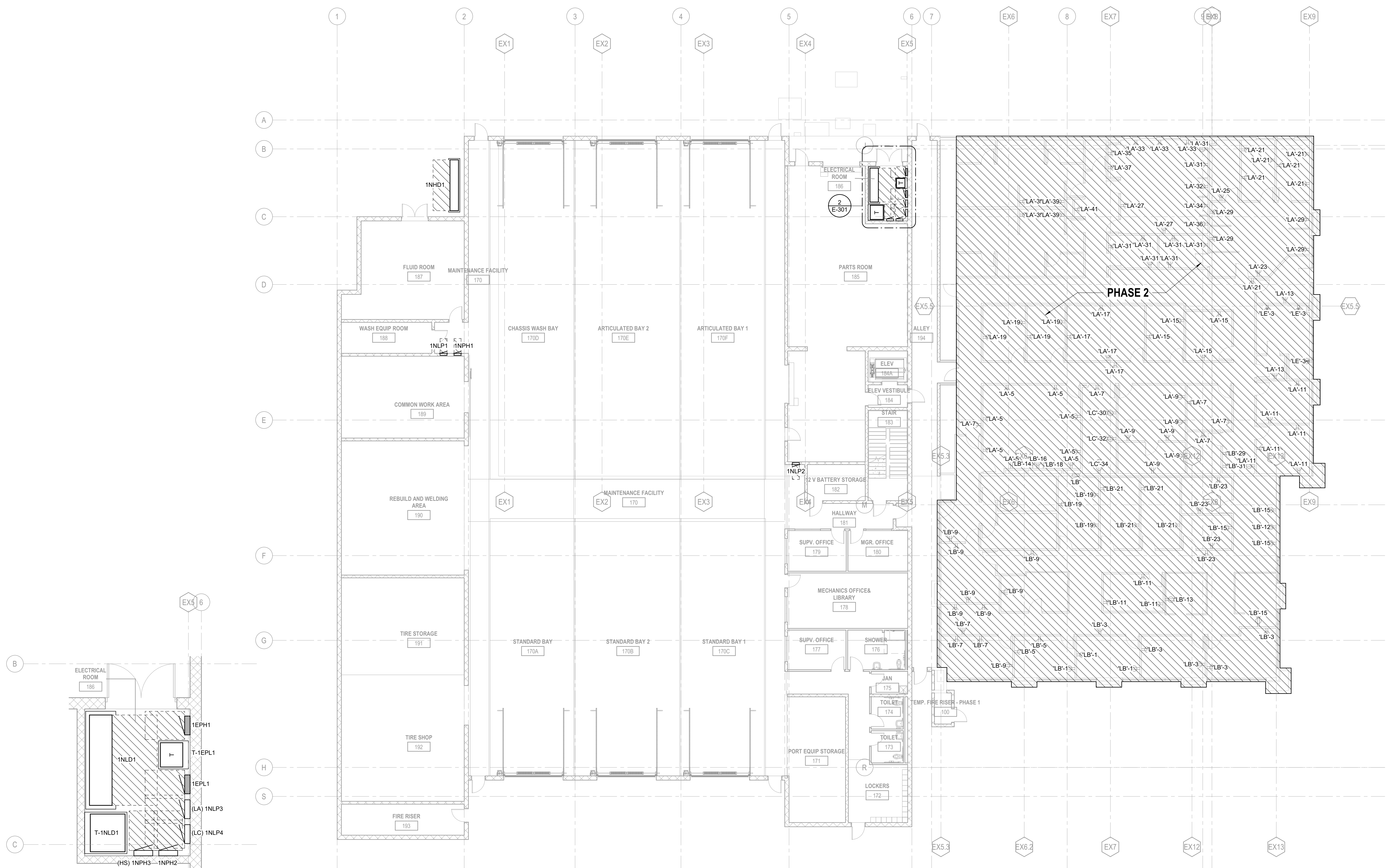
GENERAL NOTES

- A. ELECTRICAL FIXTURES AND EQUIPMENT LOCATIONS ARE DIAGRAMATIC REPRESENTATIONS AND NOT DIMENSIONED LOCATIONS. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND EQUIPMENT SHOP DRAWINGS FOR EXACT LOCATION.
- B. COORDINATE WITH DOOR HARDWARE SUPPLIER AND FIRE ALARM VENDOR TO INSTALL CONDUIT AND WIRING AS NEEDED FOR A FUNCTIONING, CODE COMPLIANT INSTALLATION.
- C. RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE SHALL BE GFCI TYPE PER NEC 210.8(B)(5).
- D. VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO ROUGH IN.
- E. COORDINATE INSTALLATION AND WIRING REQUIREMENTS, INCLUDING EXACT LOCATION OF POINT OF CONNECTION, WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.
- F. PENETRATIONS THROUGH SMOKE OR FIRE WALLS SHALL BE SEALED BY APPROVED FIRESTOPPING METHOD PER MANUFACTURER'S RECOMMENDATIONS. CONDUIT PENETRATIONS THROUGH NON-RATED WALLS SHALL BE SEALED WITH URETHANE CAULK.

KEYNOTES

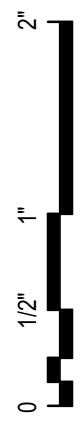


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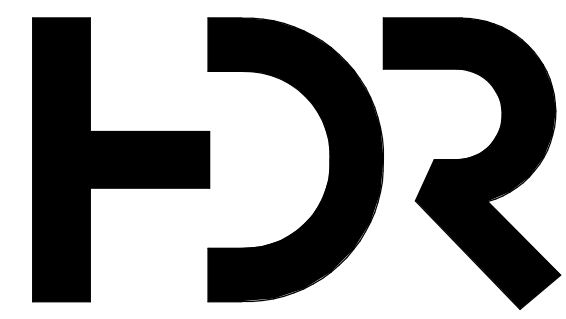
2 ENLARGED ELECTRICAL ROOM - LEVEL 01
SCALE: 1/4" = 1'-0"

1 PHASE 1 - POWER PLAN - LEVEL 01
SCALE: 3/32" = 1'-0"



GENERAL NOTES

- A. ELECTRICAL FIXTURES AND EQUIPMENT LOCATIONS ARE DIAGRAMATIC REPRESENTATIONS AND NOT DIMENSIONED LOCATIONS. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND EQUIPMENT SHOP DRAWINGS FOR EXACT LOCATION.
- B. COORDINATE WITH DOOR HARDWARE SUPPLIER AND FIRE ALARM VENDOR TO INSTALL CONDUIT AND WIRING AS NEEDED FOR A FUNCTIONING, CODE COMPLIANT INSTALLATION.
- C. RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE SHALL BE GFCI TYPE PER NEC 210.8(B)(5).
- D. VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO ROUGH IN.
- E. COORDINATE INSTALLATION AND WIRING REQUIREMENTS, INCLUDING EXACT LOCATION OF POINT OF CONNECTION, WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.
- F. PENETRATIONS THROUGH SMOKE OR FIRE WALLS SHALL BE SEALED BY APPROVED FIRESTOPPING METHOD PER MANUFACTURER'S RECOMMENDATIONS. CONDUIT PENETRATIONS THROUGH NON-RATED WALLS SHALL BE SEALED WITH URETHANE CAULK.



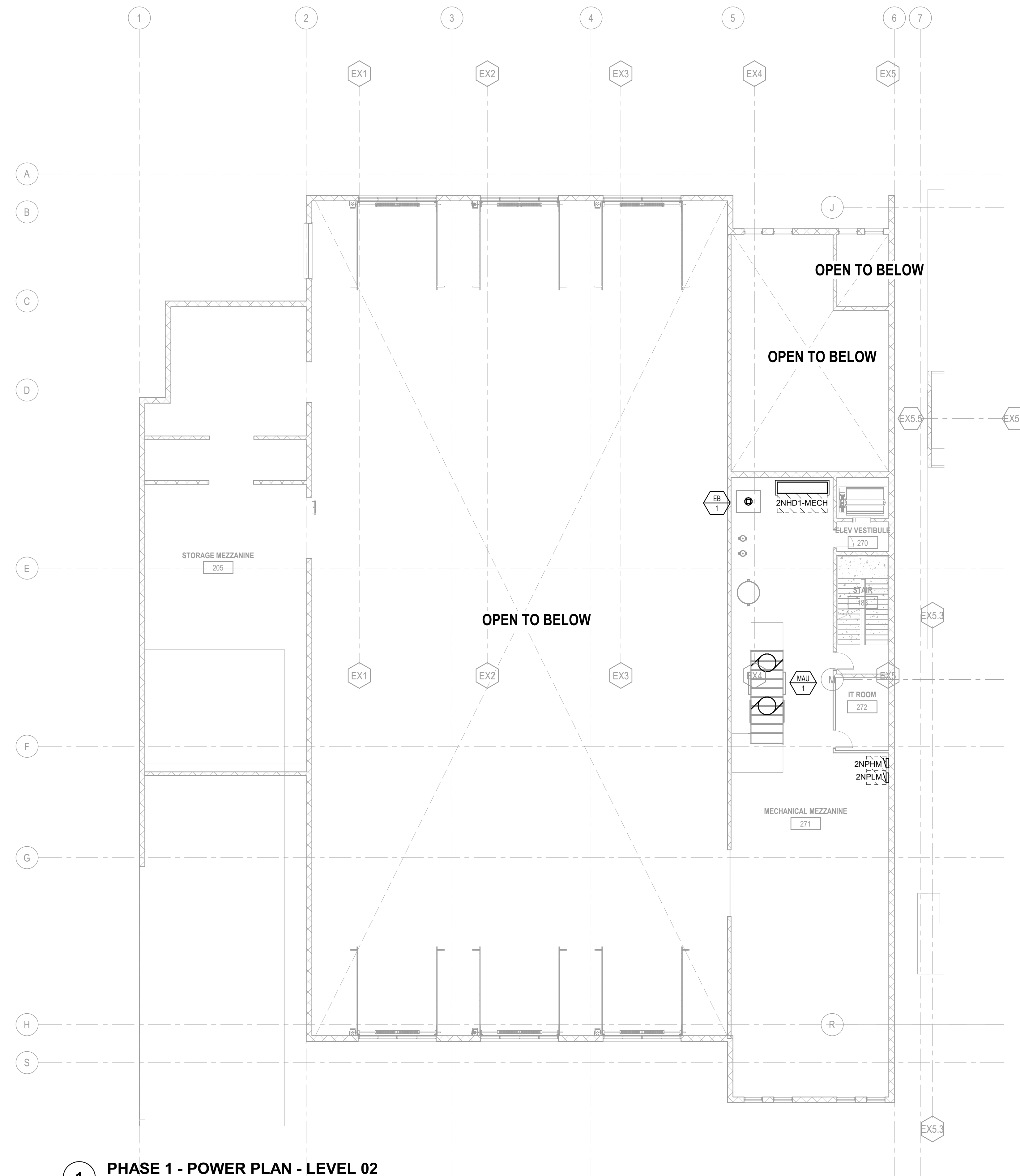
HDR Architecture
20 E Thomas Rd
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Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Dr
Flagstaff, AZ 86004



KEYNOTES



1 PHASE 1 - POWER PLAN - LEVEL 02
SCALE: 3/32" = 1'-0"

Project Manager	Pat Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Abhay Khairi
Structural Engineer	Chad Stoppel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Electrical Engineer
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer	Author	
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Project Number	10380810
Original Issue	04/15/24

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Sheet Name
POWER PLAN - LEVEL 02 - PHASE 1

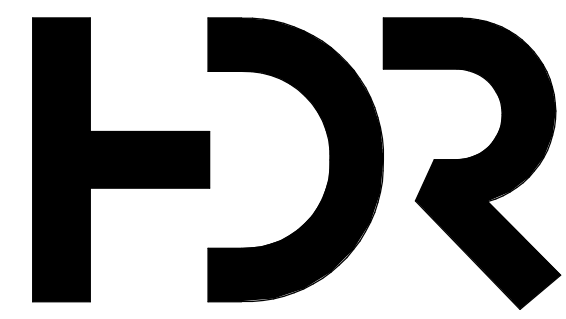
Sheet Number
E-302

Project Status
SCHEMATIC DESIGN DRAWINGS



GENERAL NOTES

- A. ELECTRICAL FIXTURES AND EQUIPMENT LOCATIONS ARE DIAGRAMATIC REPRESENTATIONS AND NOT DIMENSIONED LOCATIONS. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND EQUIPMENT SHOP DRAWINGS FOR EXACT LOCATION.
- B. COORDINATE WITH DOOR HARDWARE SUPPLIER AND FIRE ALARM VENDOR TO INSTALL CONDUIT AND WIRING AS NEEDED FOR A FUNCTIONING, CODE COMPLIANT INSTALLATION.
- C. RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE SHALL BE GFCI TYPE PER NEC 210.8(B)(5).
- D. VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO ROUGH IN.
- E. COORDINATE INSTALLATION AND WIRING REQUIREMENTS, INCLUDING EXACT LOCATION OF POINT OF CONNECTION, WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.
- F. PENETRATIONS THROUGH SMOKE OR FIRE WALLS SHALL BE SEALED BY APPROVED FIRESTOPPING METHOD PER MANUFACTURER'S RECOMMENDATIONS. CONDUIT PENETRATIONS THROUGH NON-RATED WALLS SHALL BE SEALED WITH URETHANE CAULK.



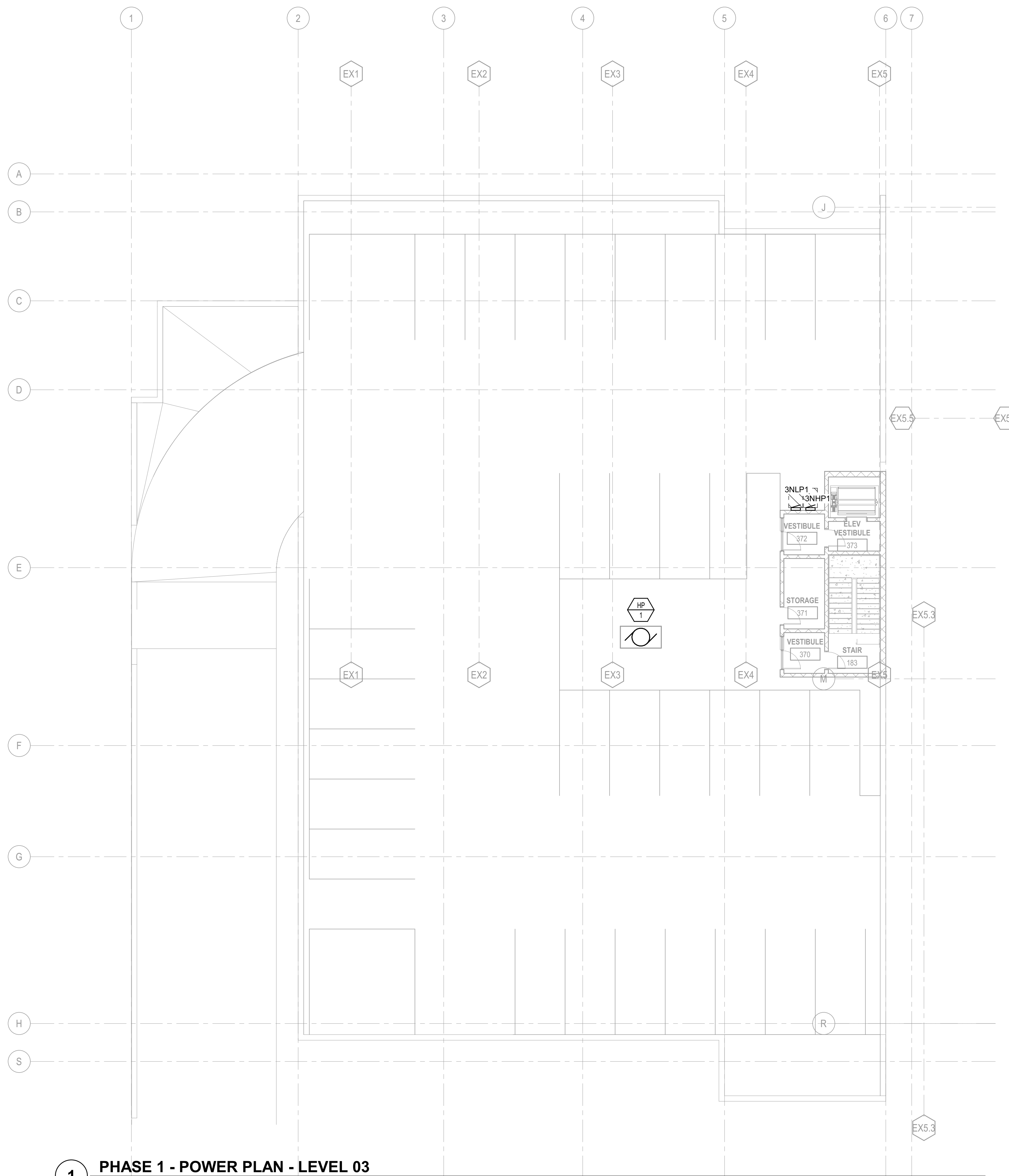
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MOUNTAIN LINE

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Flagstaff, AZ 86004



KEYNOTES



1 PHASE 1 - POWER PLAN - LEVEL 03
SCALE: 3/32" = 1'-0"

Project Manager	Pat Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Heath
Civil Engineer	Ahmay Khair
Structural Engineer	Chad Stoppel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Robbie Ramsey
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

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	04.15.2024	SD DRAWINGS

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Sheet Name
POWER PLAN - LEVEL 03 - PHASE 1

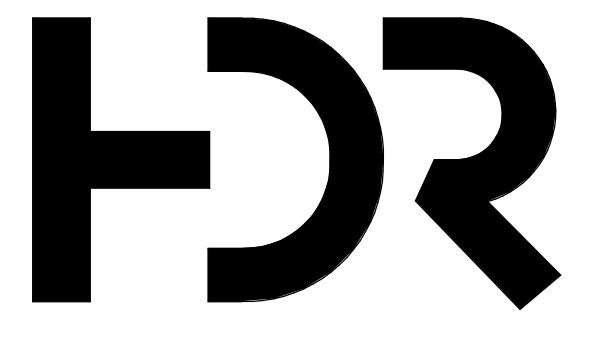
Sheet Number
E-303

Project Status
SCHEMATIC DESIGN DRAWINGS

KEYNOTES

GENERAL NOTES

- A. ELECTRICAL FIXTURES AND EQUIPMENT LOCATIONS ARE DIAGRAMATIC REPRESENTATIONS AND NOT DIMENSIONED LOCATIONS. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND EQUIPMENT SHOP DRAWINGS FOR EXACT LOCATION.
- B. COORDINATE WITH DOOR HARDWARE SUPPLIER AND FIRE ALARM VENDOR TO INSTALL CONDUIT AND WIRING AS NEEDED FOR A FUNCTIONING, CODE COMPLIANT INSTALLATION.
- C. RECEPTACLES WITHIN 6'-0" OF A WATER SOURCE SHALL BE GFCI TYPE PER NEC 210.8(B)(5).
- D. VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO ROUGH IN.
- E. COORDINATE INSTALLATION AND WIRING REQUIREMENTS, INCLUDING EXACT LOCATION OF POINT OF CONNECTION, WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.
- F. PENETRATIONS THROUGH SMOKE OR FIRE WALLS SHALL BE SEALED BY APPROVED FIRESTOPPING METHOD PER MANUFACTURER'S RECOMMENDATIONS. CONDUIT PENETRATIONS THROUGH NON-RATED WALLS SHALL BE SEALED WITH URETHANE CAULK.



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MOUNTAIN LINE

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- Project Manager: Pat Glowacki
- Project Designer: Katherine Dutzik Smith
- Project Architect: Rachel McAdoo
- Landscape Architect: Claire Edelman-Heath
- Civil Engineer: Abhay Khaire
- Structural Engineer: Chad Sippel
- Mechanical Engineer: Brett McQuillan
- Electrical Engineer: Electrical Engineer
- Plumbing Engineer: Robee Ramey
- Interior Designer: Jessi Levin
- Equipment Planner: Ken Booth
- Wayfinding: Ken Booth

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

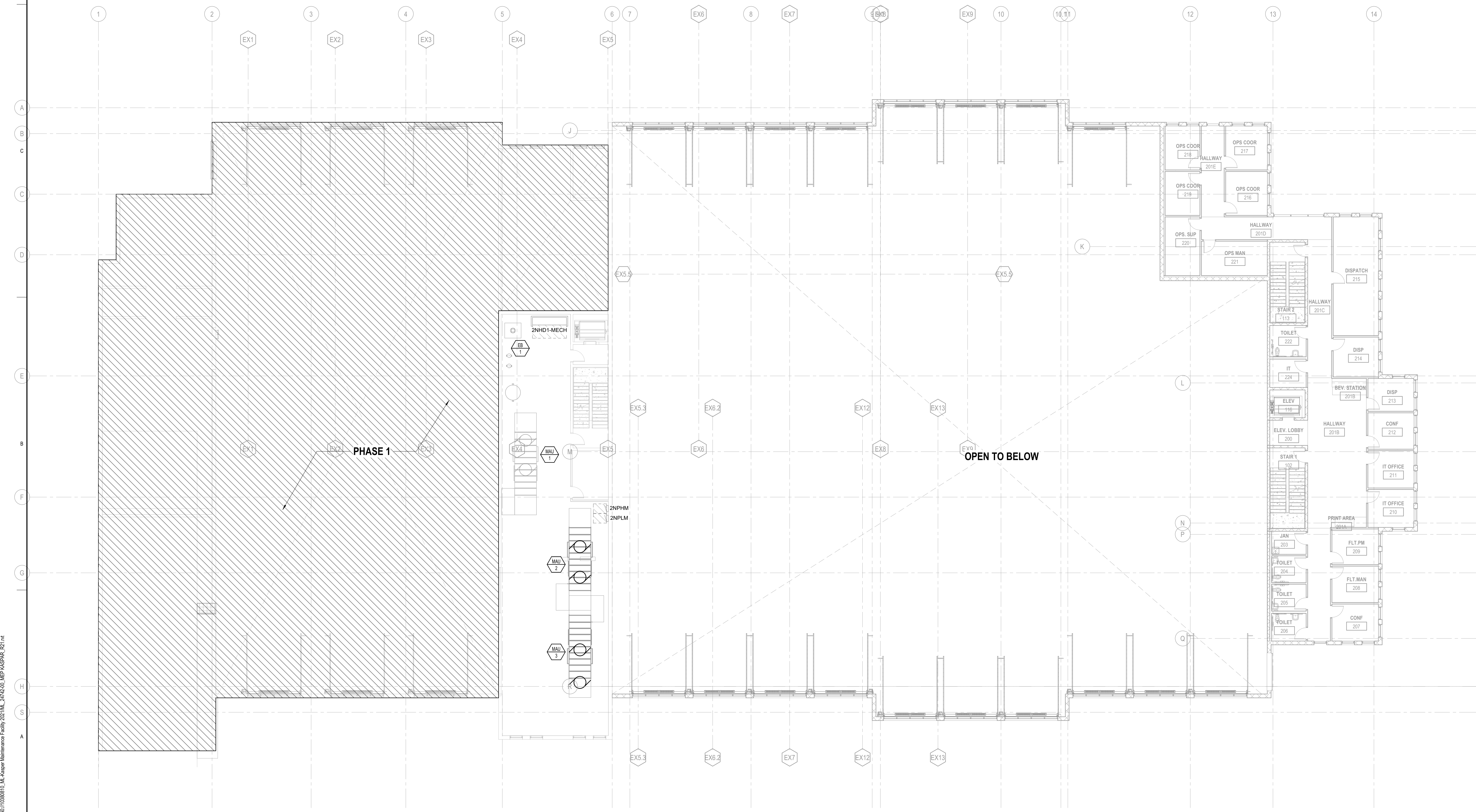
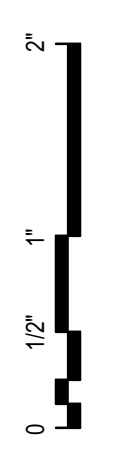
Project Number: 10380810
Original Issue: 04/15/24

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NOT FOR CONSTRUCTION

Sheet Name
POWER PLAN - LEVEL 02 - PHASE 2

Sheet Number
E-306

Project Status
SCHEMATIC DESIGN DRAWINGS



1 PHASE 2 - POWER PLAN - LEVEL 02
SCALE: 3/32" = 1'-0"

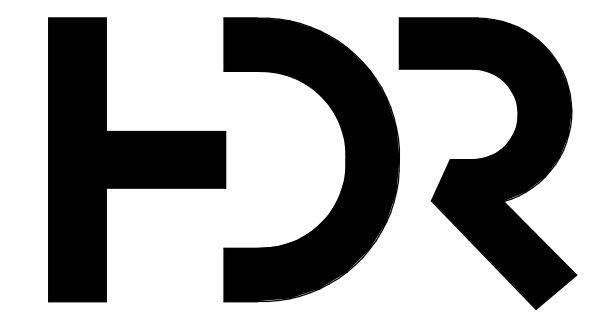
4/13/2024 4:14:44 PM BH 380/10380810_IL_Kasper_MountainLine_2024/02 MEP_KASPR_021.rvt

KEYNOTES

1. SPLICE AND EXTENDS CIRCUITS THAT ARE EXISTING TO REMAIN TO NEW PANELBOARD.
2. PANELBOARD 'LB' WILL BE DEMOLISHED IN PHASE 2.

GENERAL NOTES

- A. LIGHT FIXTURES SHOWN FOR QUANTITY AND ROUGH PROXIMITY WITHIN SPACES. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT AND DIMENSIONS.
- B. OCCUPANCY/VACANCY SENSOR LOCATIONS ARE PROVIDED TO SHOW DESIGN INTENT. FINAL QUANTITY AND LOCATIONS SHALL BE DETERMINED BY VENDOR/MANUFACTURER TO IMPROVE COVERAGE AS NEEDED AND AVOID NUISANCE ACTIVATION DUE TO ADJACENT DIFFUSERS AND GLAZING.
- C. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION ABOUT FIXTURE TYPES AND INSTALLATION REQUIREMENTS.
- D. LIGHTING CONTROL DEVICES AND THERMOSTAT CONTROL TO BE INSTALLED AT THE SAME HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT ELEVATION.
- E. COMBINE MULTIPLE SWITCHES UNDER THE SAME MULTI-GANG SWITCH COVER PLATE.
- F. WALL MOUNTED EXIT LIGHTS SHOWN ABOVE DOORS SHALL BE CENTERED AND 1'-0" ABOVE DOOR FRAME TO BOTTOM OF EXIT LIGHT.
- G. REFER TO E9 SERIES OF DRAWINGS FOR LUMINAIRE SCHEDULE.
- H. REFER TO E9 SERIES OF DRAWINGS FOR LIGHTING CONTROL SCHEDULES.



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MOUNTAIN LINE

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Project Manager	Pat Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khairi
Structural Engineer	Chad Sippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Robbie Ramsey
Plumbing Engineer	Jessi Levin
Interior Designer	Ken Booth
Equipment Planner	
Wayfinding	

Sheet Reviewer	Author
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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

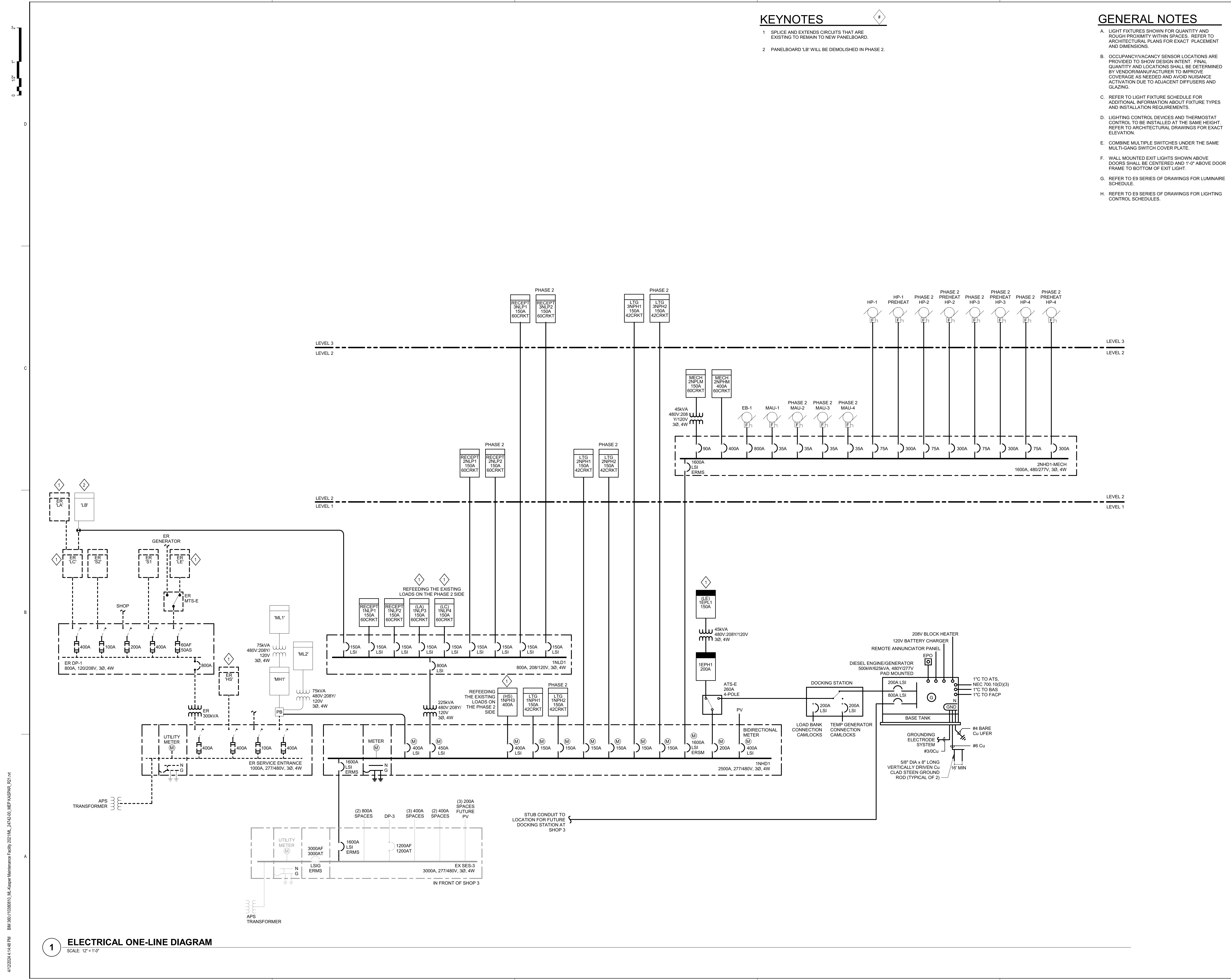
Project Number	10330810
Original Issue	04/15/24

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ELECTRICAL ONE-LINE DIAGRAM

E-701

Schematic Design Drawings



1 ELECTRICAL ONE-LINE DIAGRAM
SCALE: 1/2" = 1'-0"

4/13/2024 4:14:48 PM BH 360/1030810_Mt_Kasper_MountainLine_3021.ML_4742-000 MEP KASPER_RSL.ZW



Project Manager	Pat Glowacki
Project Designer	Katherine Dudzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khaira
Structural Engineer	Chad Stippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Electrical Engineer
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Wayfinding	

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MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

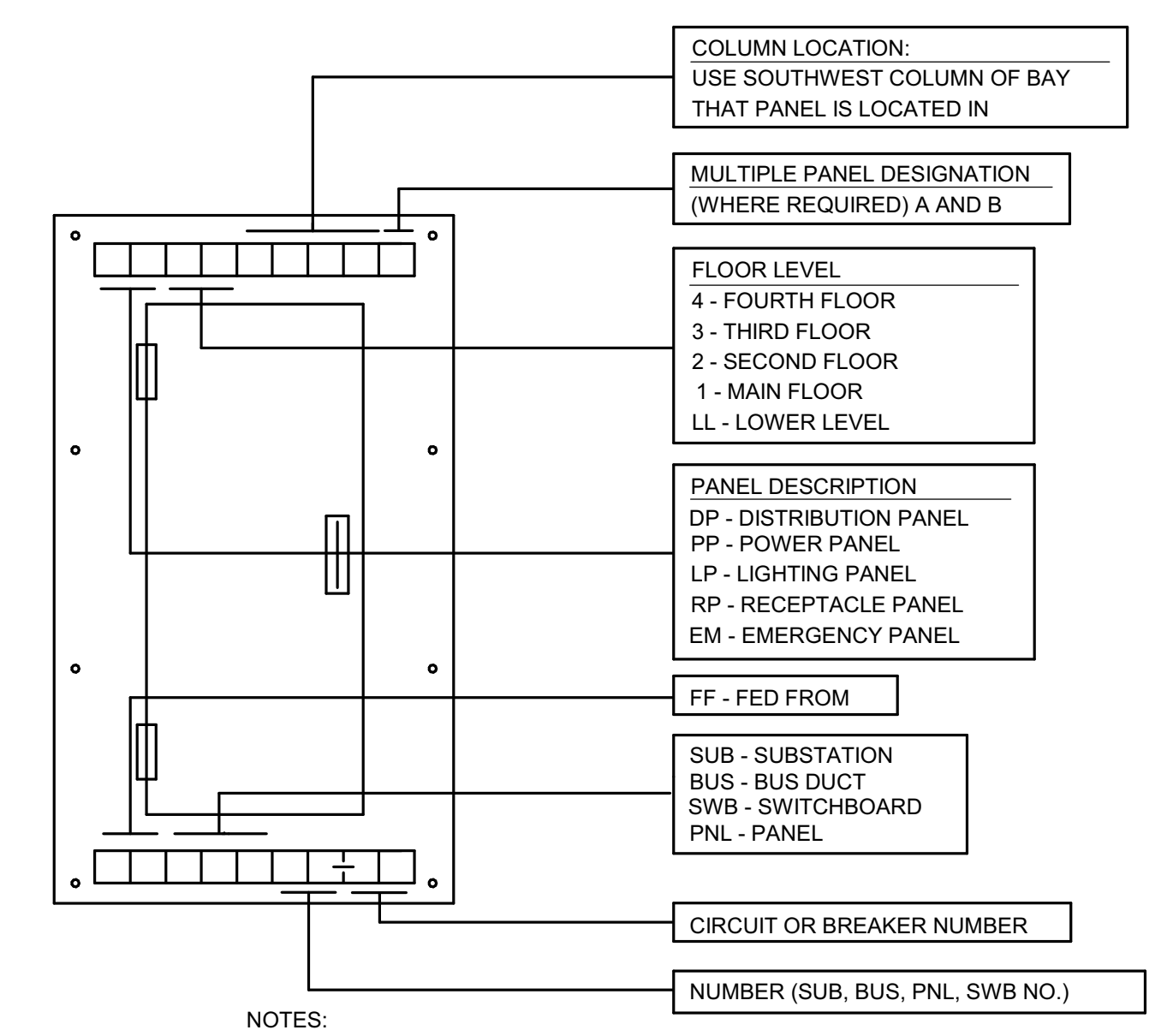
Project Number	10380810
Original Issue	04/15/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
ELECTRICAL DETAILS

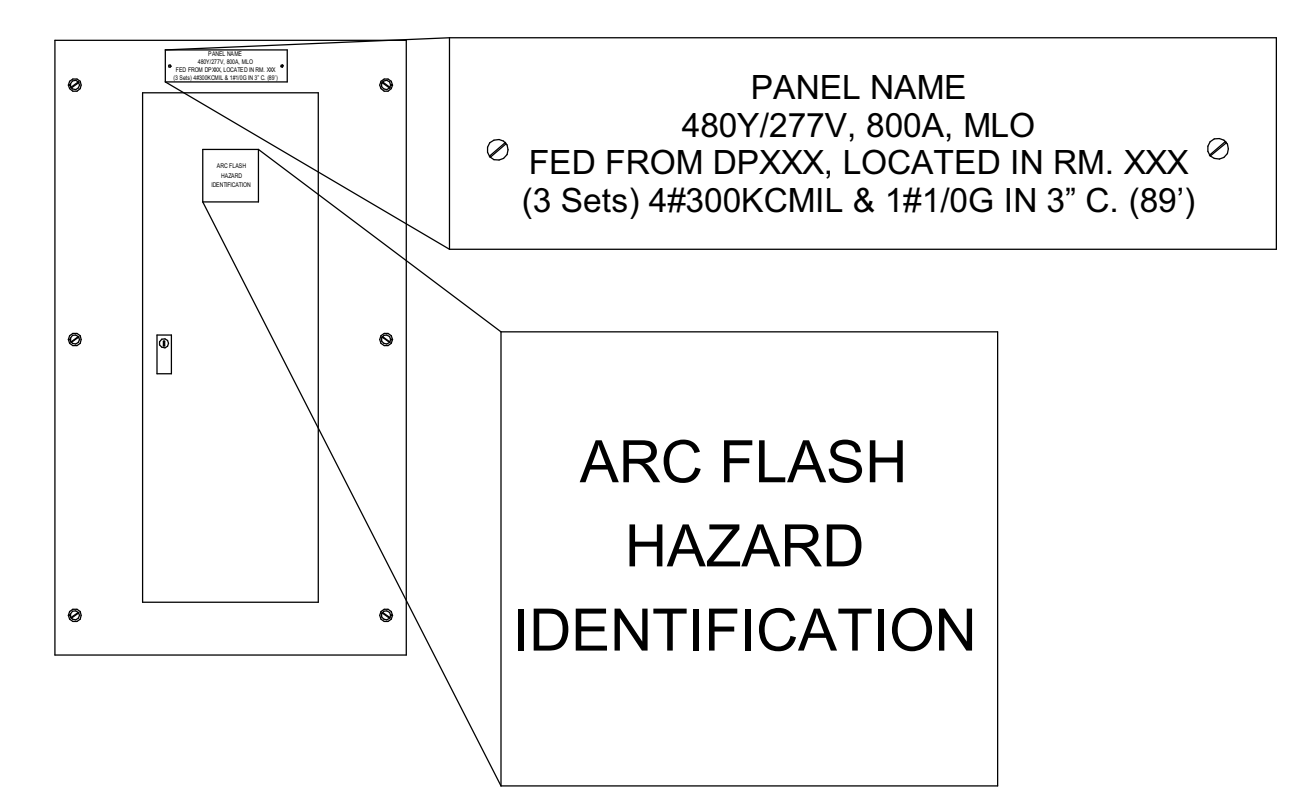
Sheet Number
E-801

Project Status
SCHEMATIC DESIGN DRAWINGS



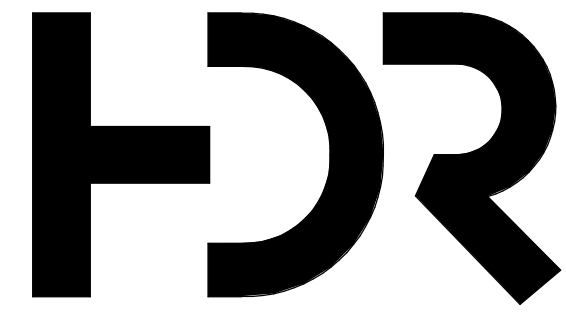
NOTES:
UTILIZE BLACK ENGRAVED MICARTA NAME PLATES WITH 1/2" WHITE LETTERS ATTACHED TO PANEL WITH EPOXY.

1 ELECTRICAL PANEL LABELING
SCALE: 1/2" = 1'-0"



NOTE:
ALL PANELBOARDS INVOLVED IN THIS PROJECT SHALL BE IDENTIFIED BY THE PANEL NAME AND BRANCH OF THE ELECTRICAL SYSTEM. REFER TO THE SPECIFICATIONS FOR COLORS AND ADDITIONAL REQUIREMENTS.

2 PANELBOARD IDENTIFICATION
SCALE: 1/8" = 1'-0"



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Project Architect	Rachel McAdoo
Landscape Architect	Claire Edelman-Health
Civil Engineer	Abhay Khairre
Structural Engineer	Chad Sippel
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Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer: | Author:

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number: 10380810
Original Issue: 04/15/24

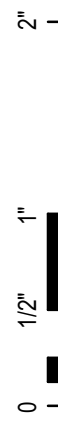
PRELIMINARY
NOT FOR CONSTRUCTION

LUMINARE SCHEDULES

Sheet Number
E-901
Project Status
SCHEMATIC DESIGN DRAWINGS

	DESCRIPTION	MANUFACTURER	MODEL NO.	BALLAST/DRIVER			MOUNTING	REMARKS
				TYPE	VOLTAGE	APPARENT LOAD		
D1	6"D RECESSED LED DOWNLIGHT, >80CRI, 3500K, 0-10V 1% DIMMING	GOTHAM	EV06	INTEGRAL	277 V	0.00 kVA	RECESSED	
D2	6"D RECESSED LED DOWNLIGHT, >80CRI, 3500K, 0-10V 1% DIMMING, WET LOCATION RATED	GOTHAM	EV06	INTEGRAL	277 V	0.00 kVA	RECESSED	
H1	2x4 HIGH BAY LED, >80CRI, 3500K, 0-10V 1% DIMMING	LITHONIA	X1B	INTEGRAL	277 V	0.00 kVA	SUSPENDED	
L1	LED WALLPACK, >80CRI, 2700K, 0-10V DIMMING 1%	WAC	WS	INTEGRAL	277 V	0.00 kVA	WALL	
L4A	SINGLE HEAD LED POLE LIGHT, >80CRI, 2700K	LITHONIA	DSX0	INTEGRAL	277 V	0.00 kVA	POLE	
L4B	DUAL HEAD LED POLE LIGHT, >80CRI, 2700K	LITHONIA	DSX0	INTEGRAL	277 V	0.00 kVA	POLE	
L4C	DUAL HEAD LED POLE LIGHT, >80CRI, 2700K	LITHONIA	DSX0	INTEGRAL	277 V	0.00 kVA	POLE	
P1	8' LINEAR PENDANT LED, >80CRI, 3500K, 0-10V 1% DIMMING	AXIS LIGHTING	BEAM 3	INTEGRAL	277 V	0.00 kVA	SUSPENDED	
P6	5"D LED SUSPENDED PENDANT, >80CRI, 3500K, 0-10V 1% DIMMING	ALW	T3SP	INTEGRAL	277 V	0.00 kVA	SUSPENDED	
R1	2x2 RECESSED TROFFER, >80CRI, 3500K, 0-10V 1% DIMMING	LITHONIA	2BLT2	INTEGRAL	277 V	0.02 kVA	RECESSED	
R2	2x4 RECESSED TROFFER, >80CRI, 3500K, 0-10V 1% DIMMING	LITHONIA	2BLT4	INTEGRAL	277 V	0.06 kVA	RECESSED	
R3A	4' LINEAR RECESSED LED, >80CRI, 3500K, 0-10V 1% DIMMING	AXIS LIGHTING	BEAM 2	INTEGRAL	277 V	0.02 kVA	RECESSED	
R3B	5' LINEAR RECESSED LED, >80CRI, 3500K, 0-10V 1% DIMMING	AXIS LIGHTING	BEAM 2	INTEGRAL	277 V	0.02 kVA	RECESSED	
U1	4' LED INDUSTRIAL WALL MOUNTED STRIP LIGHT, >80CRI, 3500K	LITHONIA	WL4	INTEGRAL	277 V	0.00 kVA	WALL	
U2	4' LED INDUSTRIAL SUSPENDED STRIP, >80CRI, 3500K, 0-10V DIMMING	LITHONIA	CLX	INTEGRAL	277 V	0.00 kVA	SUSPENDED	
X1	LED EXIT SIGN, MIRRORRED BACKING, RED	LITHONIA	EDG	INTEGRAL	277 V	0.01 kVA	PER PLANS	

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**MOTOR WIRING SCHEDULE - PHASE 1**

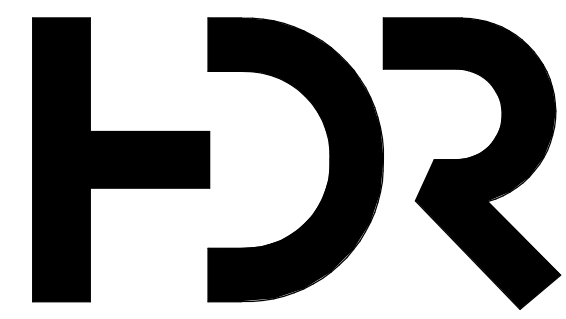
EQ. TAG	EQ. MARK	EQUIPMENT DESCRIPTION	LOCATION LEVEL	ELECTRICAL DATA			QUANTITY OF MOTORS	ELECTRICAL DATA			CONDUIT AND WIRE REQUIREMENTS			CONTROLLER/DISCONNECT INFORMATION				REMARKS
				VOLTAGE	PHASE	HP		FLA (A)	MCA (A)	CONDUCTOR SIZE	GROUND CONDUCTOR SIZE	CONDUIT SIZE	SECONDARY CABLING FROM VFD TO MOTOR	PROVISION OF CONTROLS/CONTROLLER		PROVISION OF DISCONNECTING MEANS		
														BY DIV 26	BY OTHER	BY DIV 26	BY OTHER	
EB	1	ELECTRIC BOILER	LEVEL 02	480 V	3	0	1	476 A	595 A	300 KCMIL	#1/0 G	3" C	-	-	-	800A		
ERV	1	ENERGY RECOVERY VENTILATOR	LEVEL 02	480 V	3	10	2	28 A	35 A	#6	#10 G	3/4" C	-	VFD	-	45A		
ERV	1	ENERGY RECOVERY VENTILATOR	LEVEL 02	480 V	3	0	1	210 A	263 A	500 KCMIL	#3 G	2-1/2" C	-	-	-	400A		
HP	1	HEAT PUMP	LEVEL 03	480 V	3	0	1	59 A	74 A	#2	#8 G	1" C	-	-	Edit This	100A		

- MOTOR WIRING GENERAL NOTES:**
A. PROVIDE FUSES FOR MECHANICAL EQUIPMENT PER MANUFACTURERS' RECOMMENDATIONS.
B. WHERE POSSIBLE, MOUNT EQUIPMENT DISCONNECT SWITCHES DIRECTLY ON MECHANICAL UNIT SERVED. COORDINATE MOUNTING LOCATION AND SWITCH INSTALLATION WITH MECHANICAL CONTRACTORS. DISCONNECT SWITCH SHALL BE ACCESSIBLE AND MOUNTED SUCH THAT THE COVER DOOR IS ABLE TO BE OPENED AT LEAST 90 DEGREES. WHERE IT IS NECESSARY TO MOUNT DISCONNECT SWITCH ABOVE AN INACCESSIBLE (HARD) CEILING, PROVIDE REMOVABLE ACCESS PANEL. COORDINATE ACCESS PANEL TYPE, STYLE, COLOR, AND LOCATION WITH ARCHITECT.

MOTOR WIRING SCHEDULE - PHASE 2

EQ. TAG	EQ. MARK	EQUIPMENT DESCRIPTION	LOCATION LEVEL	ELECTRICAL DATA			QUANTITY OF MOTORS	ELECTRICAL DATA			CONDUIT AND WIRE REQUIREMENTS			CONTROLLER/DISCONNECT INFORMATION				REMARKS
				VOLTAGE	PHASE	HP		FLA (A)	MCA (A)	CONDUCTOR SIZE	GROUND CONDUCTOR SIZE	CONDUIT SIZE	SECONDARY CABLING FROM VFD TO MOTOR	PROVISION OF CONTROLS/CONTROLLER		PROVISION OF DISCONNECTING MEANS		
														BY DIV 26	BY OTHER	BY DIV 26	BY OTHER	
ERV	2	ENERGY RECOVERY VENTILATOR	LEVEL 02	480 V	3	10	2	28 A	35 A	#6	#10 G	3/4" C	-	VFD	-	45A		
ERV	2	ENERGY RECOVERY VENTILATOR	LEVEL 02	480 V	3	0	1	210 A	263 A	500 KCMIL	#3 G	2-1/2" C	-	-	-	400A		
ERV	2	ENERGY RECOVERY VENTILATOR	LEVEL 02	480 V	3	10	2	28 A	35 A	#6	#10 G	3/4" C	-	VFD	-	45A		
ERV	2	ENERGY RECOVERY VENTILATOR	LEVEL 02	480 V	3	0	1	210 A	263 A	500 KCMIL	#3 G	2-1/2" C	-	-	-	400A		
HP	2	HEAT PUMP	LEVEL 03	480 V	3	0	1	59 A	74 A	#2	#8 G	1" C	-	-	Edit This	100A		
HP	3	HEAT PUMP	LEVEL 03	480 V	3	0	1	59 A	74 A	#2	#8 G	1" C	-	-	Edit This	100A		

- MOTOR WIRING GENERAL NOTES:**
A. PROVIDE FUSES FOR MECHANICAL EQUIPMENT PER MANUFACTURERS' RECOMMENDATIONS.
B. WHERE POSSIBLE, MOUNT EQUIPMENT DISCONNECT SWITCHES DIRECTLY ON MECHANICAL UNIT SERVED. COORDINATE MOUNTING LOCATION AND SWITCH INSTALLATION WITH MECHANICAL CONTRACTORS. DISCONNECT SWITCH SHALL BE ACCESSIBLE AND MOUNTED SUCH THAT THE COVER DOOR IS ABLE TO BE OPENED AT LEAST 90 DEGREES. WHERE IT IS NECESSARY TO MOUNT DISCONNECT SWITCH ABOVE AN INACCESSIBLE (HARD) CEILING, PROVIDE REMOVABLE ACCESS PANEL. COORDINATE ACCESS PANEL TYPE, STYLE, COLOR, AND LOCATION WITH ARCHITECT.



HDR Architecture
20 E Thomas Rd
Suite #2500
Phoenix, AZ 85012

MOUNTAIN LINE

3733 N Kasper Dr
Flagstaff, AZ 86004



- | | |
|----------------------------|------------------------|
| Project Manager | Pat Glowacki |
| Project Designer | Katherine Dudzik Smith |
| Project Architect | Rachel McAdoo |
| Landscape Architect | Claire Edelman-Health |
| Civil Engineer | Abhay Khaire |
| Structural Engineer | Chad Stippel |
| Mechanical Engineer | Brett McQuillan |
| Electrical Engineer | Electrical Engineer |
| Plumbing Engineer | Robbie Ramsey |
| Interior Designer | Jessi Levin |
| Equipment Planner | Ken Booth |
| Wayfinding | |

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

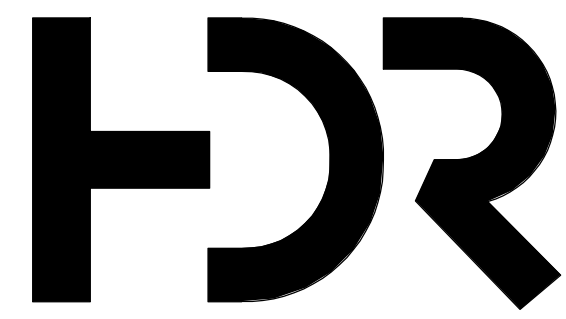
Project Number: 10380810
Original Issue: 04/15/24

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NOT FOR CONSTRUCTION

Sheet Name
EQUIPMENT WIRING SCHEDULE

Sheet Number
E-902

Project Status
SCHEMATIC DESIGN DRAWINGS



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MOUNTAIN LINE

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Project Manager Pat Glowacki
Project Designer Katherine Dutzik Smith
Project Architect Rachel McAdoo
Landscape Architect Claire Edelman-Health
Civil Engineer Abhay Khairi
Structural Engineer Chad Stippel
Mechanical Engineer Brett McQuillan
Electrical Engineer Electrical Engineer
Plumbing Engineer Robbin Ramsey
Interior Designer Jessi Levin
Equipment Planner Ken Booth
Wayfinding

Sheet Reviewer Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number 10380810
Original Issue 04/15/24

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
PLUMBING PLAN -
LEVEL 1 - PHASE 1

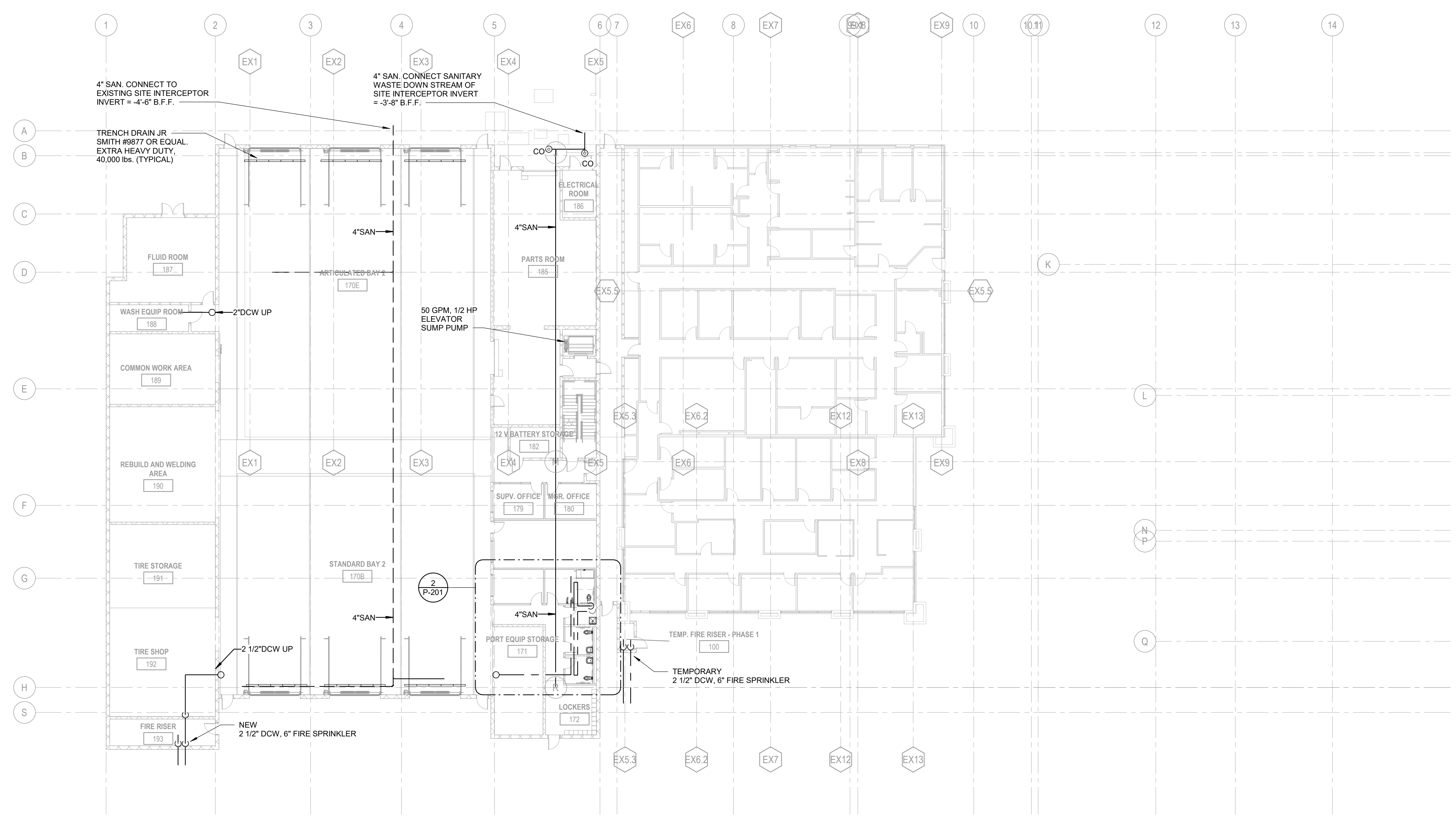
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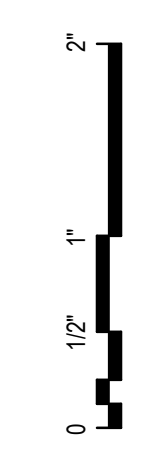
GENERAL NOTES

KEYNOTES

2 LARGE SCALE PLUMBING PLAN
SCALE: 1/4" = 1'-0"

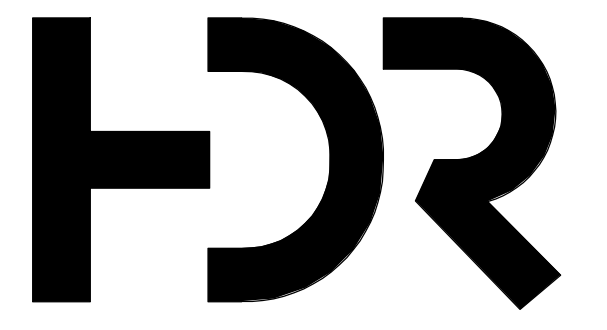


1 PHASE 1 - PLUMBING PLAN - LEVEL 01
SCALE: 1/16" = 1'-0"



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GENERAL NOTES



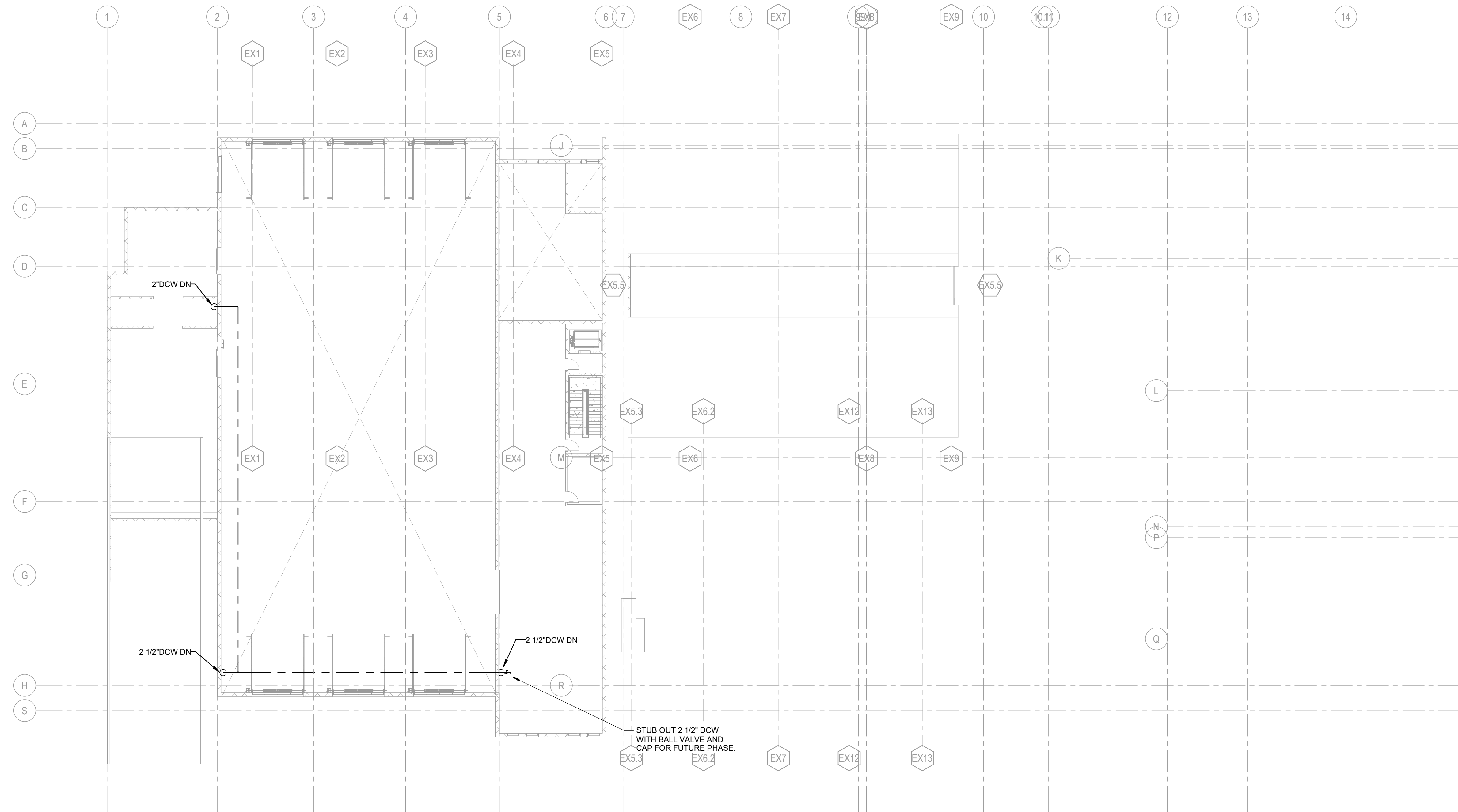
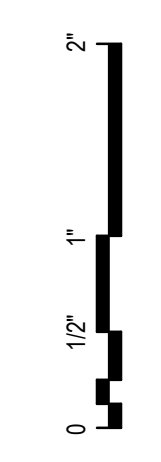
HDR Architecture
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Phoenix, AZ 85012

MOUNTAIN LINE

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KEYNOTES



1 PHASE 1 - PLUMBING PLAN - LEVEL 02
SCALE: 1/16" = 1'-0"

Project Manager	Pat Glowacki
Project Designer	Katherine Dutzik Smith
Project Architect	Rachel McAdoo
Landscape Architect	Claire Eddleman-Heath
Civil Engineer	Abhay Khaire
Structural Engineer	Chad Stippel
Mechanical Engineer	Brett McQuillan
Electrical Engineer	Electrical Engineer
Plumbing Engineer	Robbie Ramsey
Interior Designer	Jessi Levin
Equipment Planner	Ken Booth
Wayfinding	

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
	04.15.2024	SD DRAWINGS

Project Number	10380810
Original Issue	04/15/24

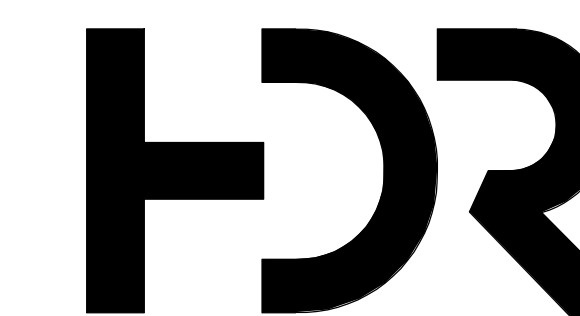
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Sheet Name
PLUMBING PLAN - LEVEL 2 - PHASE 1

Sheet Number
P-202

Project Status
SCHEMATIC DESIGN DRAWINGS

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MOUNTAIN LINE

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Interior Designer	Ken Booth
Equipment Planner	
Wayfinding	

Sheet Reviewer	Author
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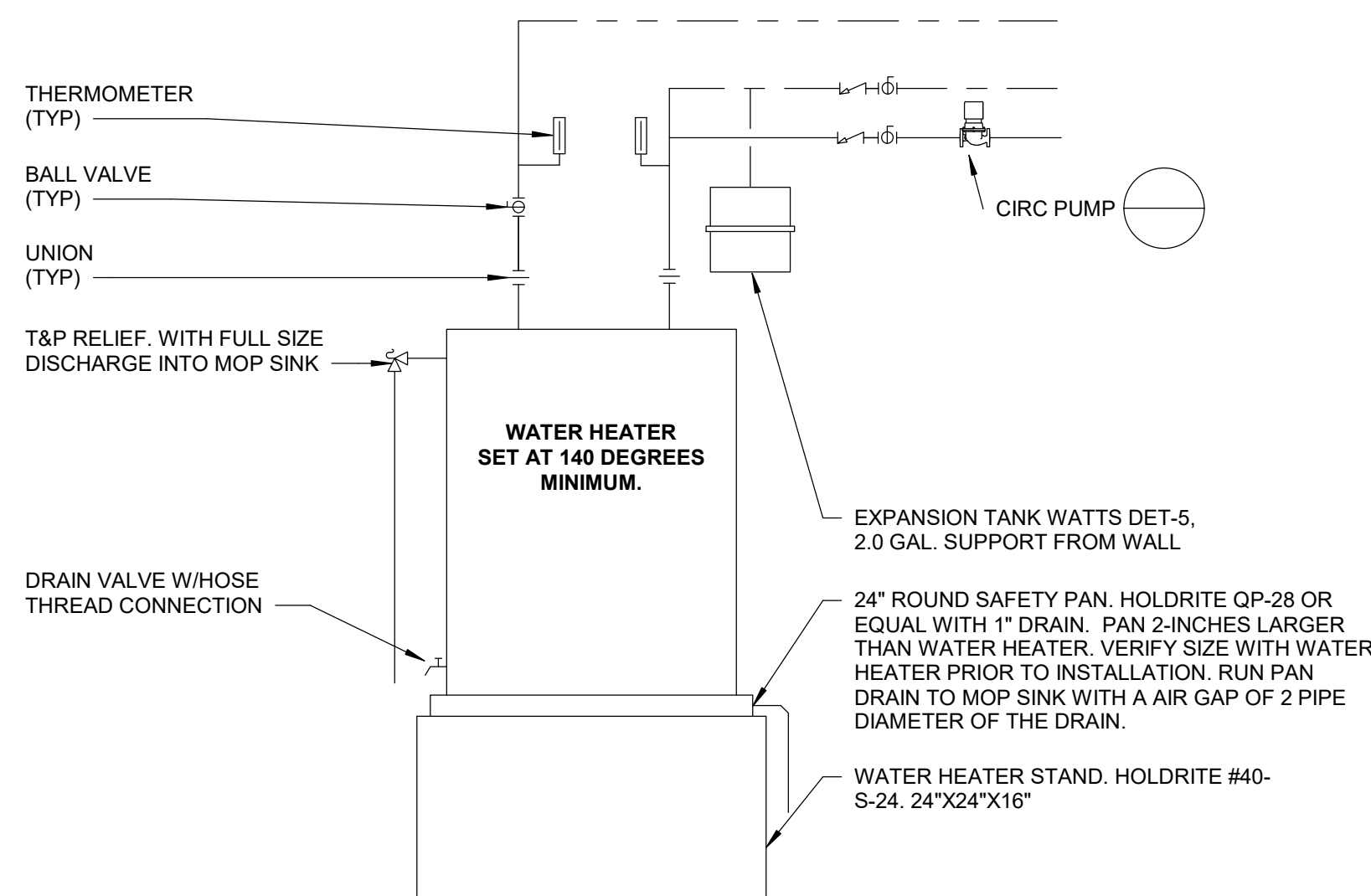
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Original Issue	04/15/24

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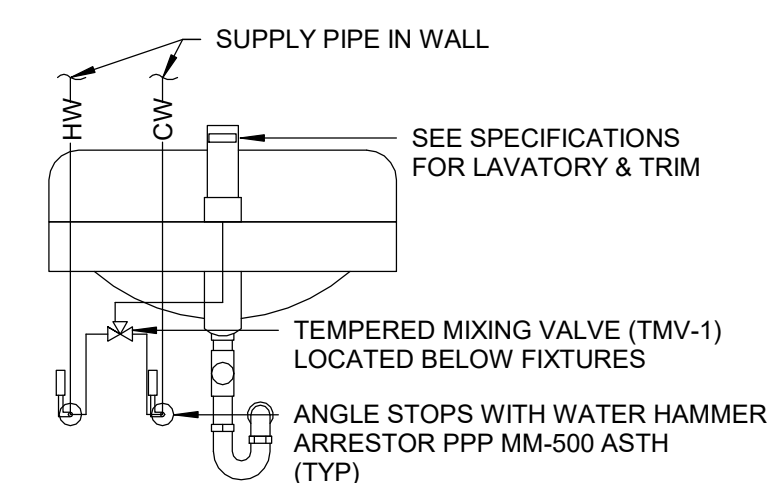
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PLUMBING DETAILS

Sheet Number
P-801
Project Status
SCHEMATIC DESIGN DRAWINGS



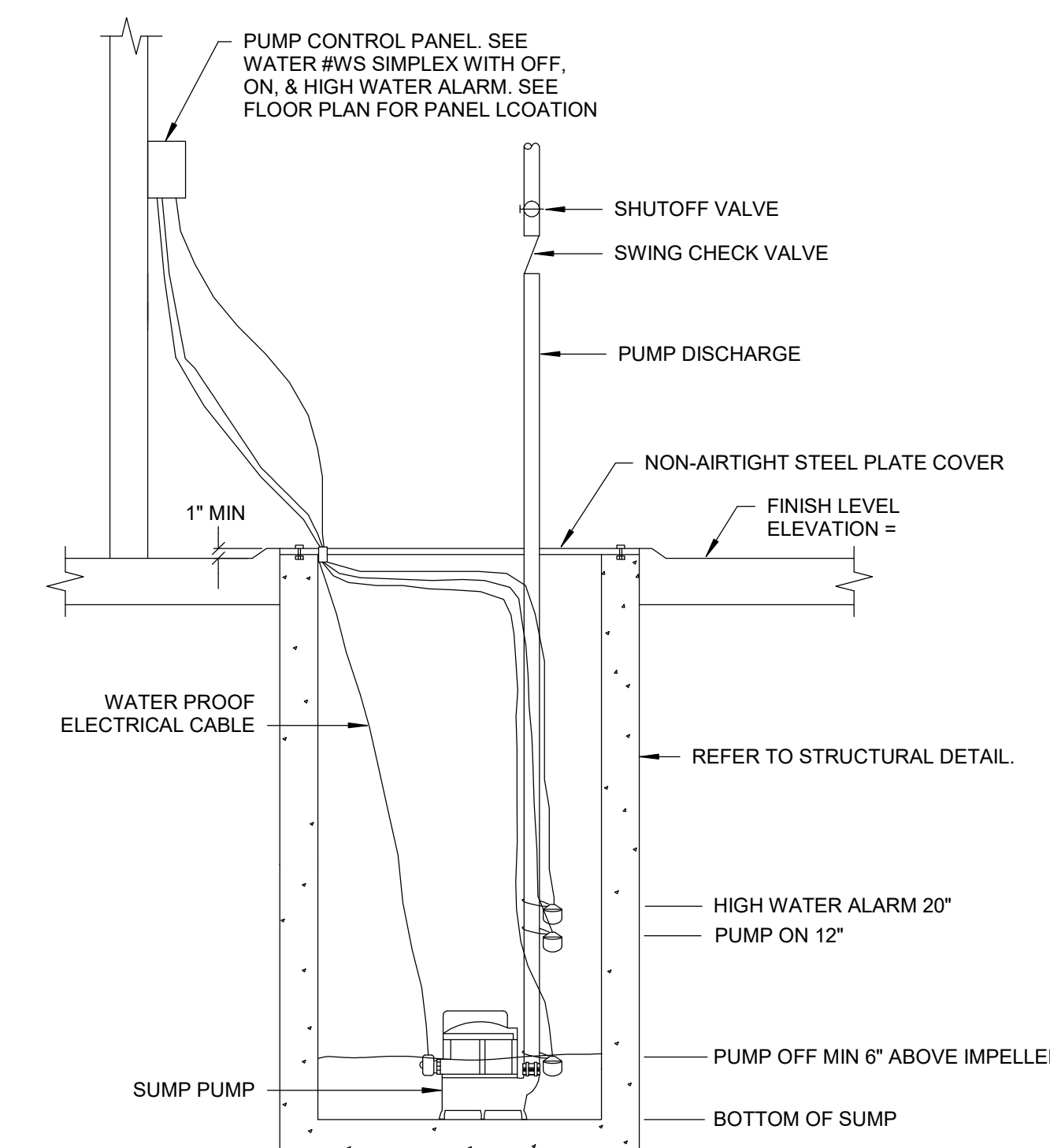
1 WATER HEATER DETAIL

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



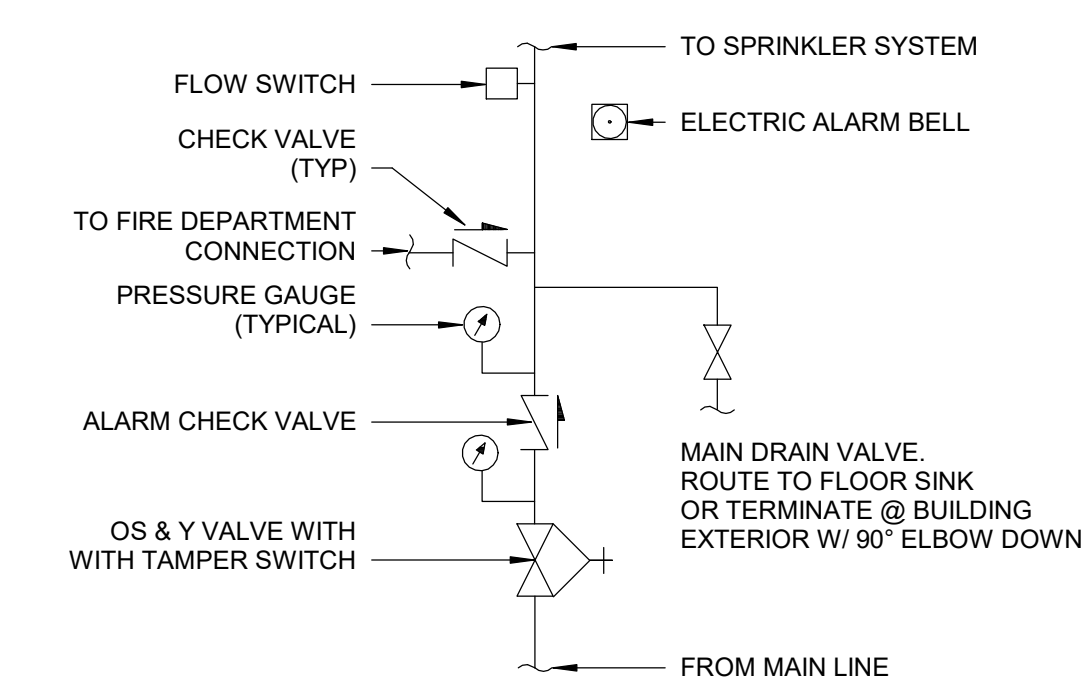
2 LAVATORY MIXING VALVE DETAIL

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



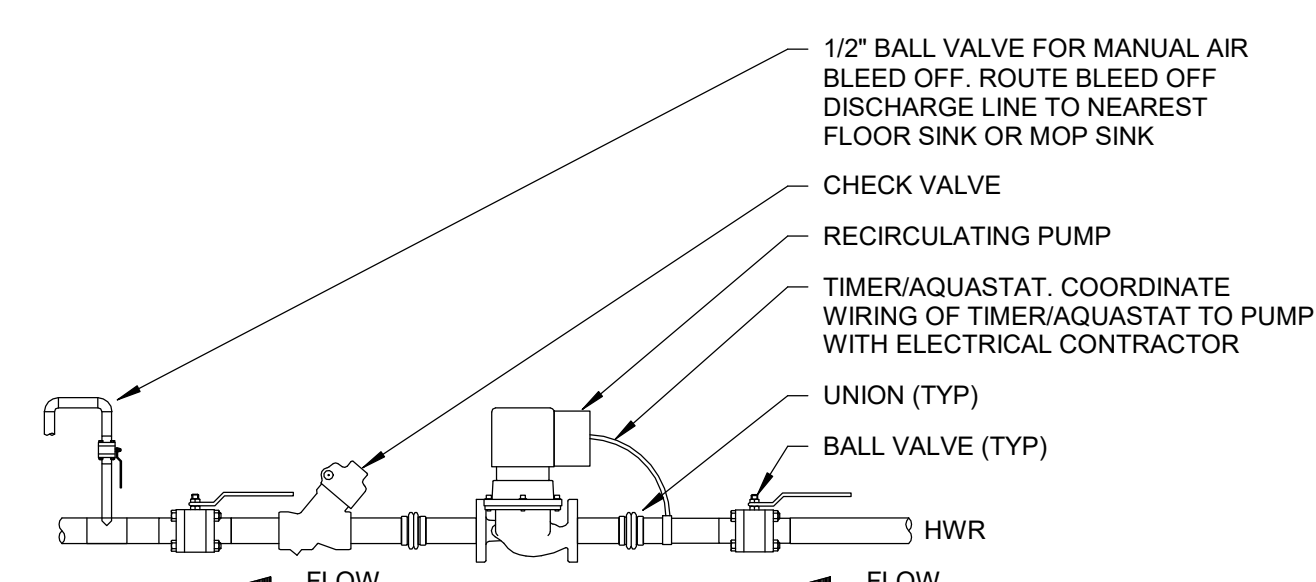
3 SUMP PUMP DETAIL

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



4 FIRE RISER DETAIL

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



NOTE:
SUPPORT PUMP INDEPENDANT OF PIPING

5 PUMP DETAIL

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

22 4000 PLUMBING FIXTURE SCHEDULE:

WATER CLOSET DATA SHEET

Water Closet, Type WC-1: American Standard A-wall Model #3351.001.
Material: Vitreous China
Bowl Type: Elongated
Mounting and Outlet: Wall hung, wall outlet, top spud.
Rim Height: Normal use: 17 inches.
Consumption: 1.28 GPF.
Color: White.
Fittings and Accessories: Provide the following compatible components:
Toilet Seat: Type 1, Heavy-duty, commercial/industrial type, elongated, open front, solid plastic, with check hinge.
Flushometer: Sloan Royal 111-1.28 GPF
Support: J. R. Smith #0230

WATER CLOSET DATA SHEET

Water Closet, Type WC-2: American Standard Madera Model #3461.001.
Material: Vitreous China
Bowl Type: Elongated
Mounting and Outlet: Floor mounted Floor outlet, top spud.
Rim Height: Normal use: 17 inches.
Consumption: 1.28 GPH.
Color: White.
Fittings and Accessories: Provide the following compatible components:
Toilet Seat: Type 1, Heavy-duty, commercial/industrial type, elongated, open front, solid plastic, with check hinge.
Flushometer: Sloan Royal 111 1.28 GPF.

LAVATORY DATA SHEET

Lavatories, Type L-1: American Standard Lucerne #0365.421
Material: Vitreous China
Lavatory Type: Handicap accessible lavatory Dimensions: 20 x 18 inches
Mounting: Wall hung
Color: White
Fittings and Accessories: Provide the following compatible components:
Supplies: Lavatory Type 1, Loose-key brass angle stop, having 1/2 inch NPS inlet with wall flange and 3/8 inch by 12 inch flexible tubing riser outlet.
Faucet: Chicago HyTronic #116.858 AB.1; Electronic, Battery powered, Single supply for tempered water, .5 GPM non-aerating spray.
Drain: Grid Drain
Trap: Lavatory Type 1, Cast-brass, 1-1/4 inch by 1-1/2 inch NPS adjustable P-trap with cleanout, 17 gage tubular waste to wall, and wall flange
Insulation shall be Truebro Handi Lav-Guard Model #102W & 105W or equal.
Carrier: J. R. Smith 0700

SINK DATA SHEET

Sink, Type CS-1: Elkay Model #ELUHAD21154SPD
Material: Stainless steel
Gage: 18 Sink Type
Single compartment Under counter mounted. Dimensions: 23 x 19 x 5 inch.
Mounting: Counter mounting.
Fittings and Accessories: Provide the following compatible components:
Supplies: Sink Type 1, Loose-key brass angle stop, having 1/2 inch NPS inlet with wall flange and 1/2-inch by 12-inch flexible riser outlet.
Faucet: Chicago #895-317CP; 4 inch blade handles, 9 inch spout, soft flow aerator.
Drain: Strainer: #LK35.
Trap: Sink Type 1, Cast-brass, 1-1/2 inch NPS adjustable P-trap with cleanout, 17-gage tubular waste to wall, and wall flange
Insulation shall be Truebro Handi Lav-Guard Model #102W & 105W or equal.

MOP BASIN DATA SHEET

Map Sink, Type MS-1: Fiat MSB2424
Material: Molded-stone Dimensions: 24 x 24 x 10
Fittings and Accessories: Provide the following compatible components:
Faucet: Chicago #540-D-8979/WVF; vacuum breaker spout, 3/4" hose thread outlet, pall hook, 8 inch center, lever handle.
Strainer: Fiat #1453-BB
Hose and Bracket: Fiat #532-AA
Mop Rack: Fiat #889-CC
Trap: Cast iron

SHOWER DATA SHEET

Showers, Type SH-1
Shower base Model: Comfortdesign #X363838TR, 75 ADA compliant with integral trench drain, Gelcoat, color white.
Shower Valve: Power Series 900 pressure balancing mixing valve, Model P910 Description: Pressure balancing mixing valve, concealed adjustable limit stops, economizer shower head, integral service stops, in-line vacuum breaker, Hand held shower with 24" flexible stainless steel hose, in-line vacuum breaker, shower. Adjust temperate setting of valve to a maximum temperature of 120 degrees.