

CBJ CENTENNIAL HALL BALLROOM RENOVATION

VOLUME II of II

Contract No. BE22-204

File No. 2069



CITY AND BOROUGH OF JUNEAU

CENTENNIAL HALL

Juneau, Alaska
June 14, 2022

BALLROOM RENOVATION

CBJ Project No. BE22-204
Construction Documents

SHEET INDEX

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E202 2nd FLOOR PLAN - OVERALL
ED211 1st FLOOR POWER AND SIGNAL DEMOLITION PLAN - NW
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AV/ ACOUSTICS

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AV001 AV SYSTEM LEGEND & SCHEDULES
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PROJECT DESCRIPTION

The project is a comprehensive renovation of the 12,500 sf Ballrooms inside a 36,700 sf convention center. Originally constructed in the mid 1980's, Centennial Hall is single-story, metal framed building near downtown Juneau. The building's public spaces—including the large Ballrooms, 4 other smaller Meeting Rooms, a large commercial Kitchen and Lobby spaces are all located on the main floor. A few support spaces—including two Mechanical Penthouses and a services Balcony on the side of the Ballrooms are located at a second floor level. The building is constructed with low-slope roofs with about half of the building area under completely flat concrete-topped roof deck constructed at the second floor level originally designed and constructed for a future second-story addition.

This project includes a comprehensive renovation of the Ballroom spaces, including:

- New mechanical systems located in the Mechanical Penthouse and adjacent roof. The new systems and equipment will re-utilize existing ductwork.
- Power upgrades to support the Mechanical systems.
- New lighting and AV equipment throughout the Ballrooms.
- New architectural finishes and equipment throughout the ballroom, including replacement of the two large operable walls which separate the Ballrooms.
- Upgrades to the structural frame along one side of the Ballrooms, including associated wall removal and reconstruction of adjacent walls and rooms.

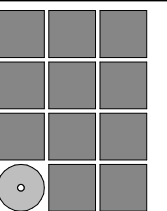
PROJECT ALTERNATES

Base Bid: All work not shown in the alternates is part of the Base Bid, including the architectural, structural, mechanical, electrical, and AV work. The Base Bid includes all flooring and finish upgrades in the Ballrooms regardless of whether Alternate 1 is awarded. The Base Bid also includes all additional catwalks and associated structural upgrades.

Alternate 1 (Additive) - Grid 7 Structural Upgrades: Alternate 1 includes all structural upgrades along grid 7 associated with the wall brace frame upgrades, including the new footings, demolished and replaced concrete slabs, and demolished and replaced brace framing. The associated architectural work—including demolished and replaced walls, doors, flooring, and ceiling finishes—required by the structural upgrades along grid 7 is part of alternate 1. Note that additional catwalks are part of the base bid as are any structural upgrades for the catwalks on or near grid 7.

Alternate 2 (Additive) – Additional Acoustical Wall Panels. Alternate 2 includes additional acoustical wall panel replacement as shown on the architectural drawings. Note that some of the acoustical wall panels are replaced in the base bid.

Alternate 3 (Deductive) - Omit Projectors: Alternate 3 omits the projectors as shown on the av drawings.



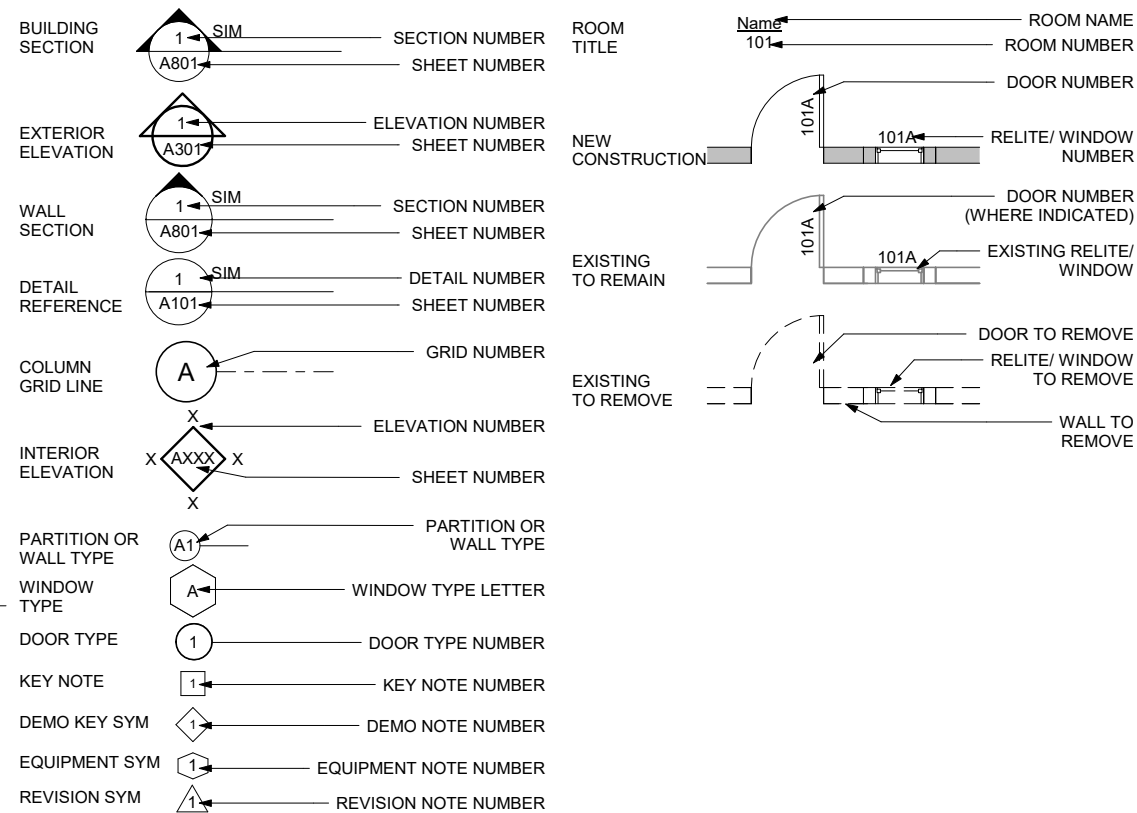
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FILE: 20015

A001

SYMBOLS



CODE SUMMARY

Original Code Study (as taken from 11/20/1984 As-Built Drawings)

- Uniform Building Code (1979 edition) as adopted by CBJ

Occupancy Type: A 2.1

Type of Construction: II F.R., Sprinklered

- Exterior Non-Bearing Walls: Incombustible, non-rated with fire retardant-treated wood siding
- Structural Frame: 2 hour
- Floors: 2 hour
- Roofs: 1 hour
- Interior Partitions: 1 hour

Location on Property: Minimum 5' to property line, surround three sides by public streets

Floor Area

1st Floor	32,125 s.f.
Mechanical Penthouses	2,725 s.f.
TOTAL	34,850 s.f.

Height: 35 ft. maximum

No. of Stories: 1 with mechanical penthouses (future second floor)

Total Occupant Load: 2800

- American National Standard "specifications for making buildings and facilities accessible to and usable by physically handicapped people" ANSI A117.1-1980 as modified by the State of Alaska
- Uniform Mechanical Code (1976 edition) as adopted by CBJ
- Uniform Plumbing Code (1976 edition)
- National Electrical Code (1978 edition)

Code Study (Note: building layout, including walls and exit doors are not modified by this project. Current code is used for modified building elements only.)

INTERNATIONAL BUILDING CODE (2012 EDITION) as adopted by CBJ

Occupancy Classifications (Chapter 3):

- Assembly Group A-2:** Assembly uses intended for food and/or drink consumption

Allowable Building Height and Area (Table 503 & Section 506):

- The entire building will be classified as an A-2 non-separated occupancy (Section 508.3)**

Allowable Area

- Initial Allowable Area:** Group A-2 buildings with construction Type IIA allowed to be: 3 story, 15,500 sf per story with a maximum building height of 65' (Table 503).
- Sprinkler Height Modification:** The building is to be equipped with an automatic sprinkler system, maximum building height is increased by 20' and the maximum number of stories is increased to 4 stories, 15,500 sf per story with a maximum building height of 85' (Section 504.2).
- Area Modification (506.1, Equation 5-1):**
 $A_a = \{A_t + [A_s \times I_s] + [A_r \times I_r]\}$
 $A_a = \{15,500 + [15,500 \times .75] + [15,500 \times 2]\}$
 $A_a = 15,500 + 11,625 + 31,000$
A_a (allowable building area per story) = 58,125 sf

In summary, the full building analyzed as an A-2 occupancy without separations allows: 4 stories, 58,125 sf per story with a maximum building height of 85'.

Construction Type (Chapter 6): Construction Type to be IIA

Type II (602.2): the building elements listed in Table 601 are if noncombustible materials except as permitted in Section 603.

- Primary Structural Frame: 1 hour
- Bearing Walls
 - Exterior : 1 hour
 - Interior: 1 hour
- Nonbearing walls – Exterior: 0 hour if more than 30' separation (Table 602)
- Nonbearing walls – Interior: 0 hour
- Floor Construction: 1 hour
- Roof Construction: 1 hour (unless roof is 20 feet or more away from floor below, see Table 601 footnote b)

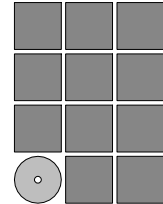
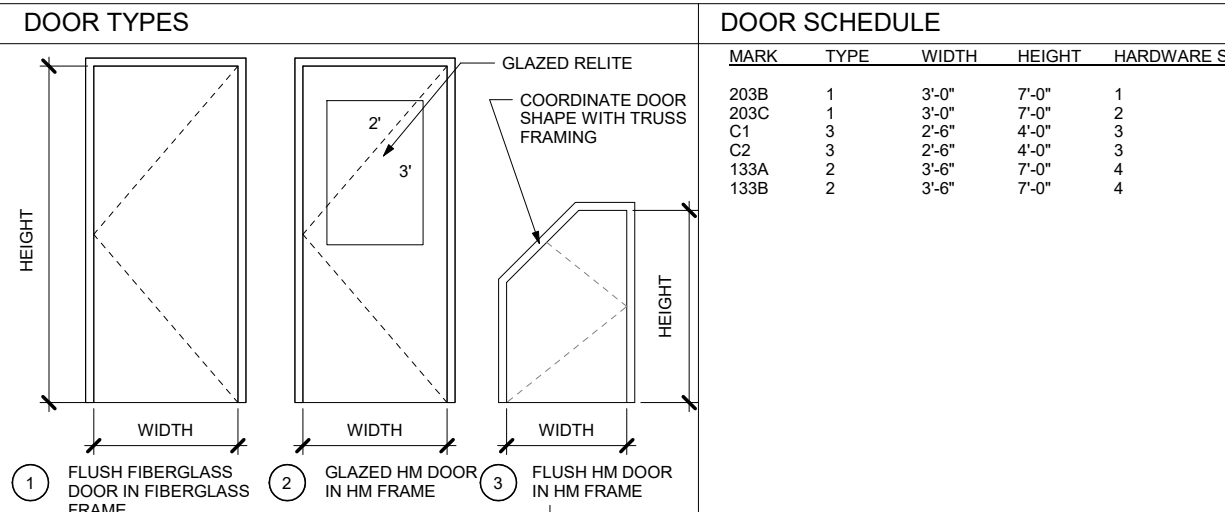
Discussion: Building was originally constructed as a Type II F.R., which has greater fire resistance requirements than a current Type IIA and may be more in line with a current Type IB. New building elements will comply with Type IIA requirements

ABBREVIATIONS

AC	ANGLE	EQ	EQUAL	MAX	MAXIMUM	SASU	SELF ADHERING SHEET
ACP	ASPHALT CONCRETE	EQP	EQUIPMENT	MDO	MEDIUM DENSITY OVERLAID	SCD	UNDERLAYMENT
ADJ	ACOUSTICAL CEILING PANEL	EX	EXISTING	MECH	MECHANICAL	SCHE	SEAT COVER DISPENSER
AFF	ADJUSTABLE	EXT	EXTERIOR	MEMB	MEMBRANE	SCHED	SCHEDULE
AIB	ABOVE FINISH FLOOR	FA	FIRE ALARM	MFR	MANUFACTURER	SF	SQUARE FOOT
AL	AIR INFILTRATION BARRIER	FD	FLOOR DRAIN	MH	MANHOLE	SHR	SHOWER
APPROX	ALUMINUM	FDN	FOUNDATION	MIN	MINIMUM	SHTH	SHEATHING
ARCH	APPROXIMATE	FEC	FIRE EXTINGUISHER CABINET	MISC	MISCELLANEOUS	SIM	SIMILAR
	ARCHITECTURAL	FF	FINISH FLOOR	MTD	MOUNTED	SND	SANITARY NAPKIN DISPENSER
BD	BOARD	FHC	FIRE HOSE CABINET	MTL	METAL	SNR	SANITARY NAPKIN RECEPTACLE
BLDG	BUILDING	FFC	FINISH	MUL	MULLION	SPEC	SPECIFICATIONS
BLK	BLOCK	FIN	FINISH			SQ	SQUARE
BLKG	BLOCKING	FLASH	FLASHING	NIC	NOT IN CONTRACT	STA	STATION
BM	BEAM	FLR	FLOOR	NO OR #	NUMBER	STC	SOUND TRANSMISSION CLASS
BOT	BOTTOM	FOC	FACE OF CONCRETE	NOM	NOMINAL	STD	STANDARD
		FOF	FACE OF FINISH	NTS	NOT TO SCALE	STL	STEEL
		FOS	FACE OF STUD			STOR	STORAGE
CAB	CABINET	FRP	(GLASS) FIBER REINFORCED	OA	OVERALL	STRUCT	STRUCTURAL
CB	CATCH BASIN	PLASTIC	PLASTIC	OC	ON CENTER	SS	STAINLESS STEEL
CEM	CEMENT	FRPF	FIREPROOF	OD	OUTSIDE DIAMETER	SUSP	SUSPENDED
CG	CORNER GUARD	FR	FIRE RETARDANT	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	SY	SQUARE YARD
CI	CAST IRON	FSR	FLEXIBLE SHEET ROOFING			TB	TOWEL BAR
CLG	CEILING	FT	FOOT OR FEET	OFOI	OWNER FURNISHED OWNER INSTALLED	TC	TOP OF CURB
COL	COLUMN	FTG	FOOTING	OFD	OVERFLOW DRAIN	TEL	TELEPHONE
CONC	CONCRETE	FURR	FURRING	OFF	OFFICE	TEMP	TEMPORARY
CONT	CONTINUOUS	GA	GAUGE	OPNG	OPENING	T&G	TONGUE & GROOVE
CTR	CENTER	GALV	GALVANIZED	OPP	OPPOSITE	TOC	TOP OF CONCRETE
CTSK	COUNTERSUNK	GB	GRAB BAR	OSB	ORIENTED STRAND BOARD	TOD	TOP OF DECK
		GL	GLASS			TPD	TOILET PAPER DISPENSER
DBL	DOUBLE	GYP	GYPSUM WALL BOARD	PL	PLATE	TRD	TREAD
DEPT	DEPARTMENT	HDWD	HARDWOOD	PLAM	PLASTIC LAMINATE	TRTD	PRESSURE TREATED
DF	DRINKING FOUNTAIN	HM	HOLLOW METAL	PC	PRE-CAST	TOW	TOP OF WALL
DET	DETAIL	PTL	PRESSURE TREATED LUMBER	PF	PRE-FINISHED	TYP	TYPICAL
DIA	DIAMETER	PWD	PLYWOOD	PR	PAIR		
DIM	DIMENSION	R	RISER	PT	PAINT	UL	UNDERWRITERS LABORATORIES
DISP	DISPENSER	RD	RADIUS	PTL	PRESSURE TREATED LUMBER	UNF	UNFINISHED
DN	DOWN	RAD	RADIUS	REF	REFERENCE	UON	UNLESS OTHERWISE NOTED
DR	DOOR	REFR	REFRIGERATOR	REFR	REFRIGERATOR	UR	URINAL
DS	DOWNSPOUT	REINF	REINFORCED	REQ	REQUIRED		
DWG	DRAWING	RESIL	RESILIENT	REQ	REQUIRED	WO	WALK OFF MAT
		RL	RAIN LEADER	RESIL	RESILIENT	WP	WATERPROOF/WALL PANEL
EA	EACH	RM	ROOM	RUB	RUBBER	WR	WASTE RECEPTACLE
EF	EXHAUST FAN	RO	ROUGH OPENING	RWD	REDWOOD	WSCT	WAINSCOT
EJ	EXPANSION JOINT	RUB	RUBBER			WT	WEIGHT
EL	ELEVATION	RWD	REDWOOD			WWF	WELDED WIRE FABRIC
ELEC	ELECTRICAL						
ELEV	ELEVATOR						
EMER	EMERGENCY						
ENCL	ENCLOSURE						
EPDM	ETHYLENE PROPYLENE DIANE MONOMER						
EPS	EXPANDED POLYSTYRENE						

Room No.	Room Name	Floor Finish	Base		Wainscot		Walls				Ceiling Finish	Notes	
			Finish	Ht	Finish	Ht	North	East	South	West			
101a	Ballroom 1	RT	RB	6"				PTE	PTE	PTE	PTE	ACP / PTF	1
101b	Ballroom 2	RT	RB	6"				PTE	PTE	PTE	PTE	ACP / PTF	1
101c	Ballroom 3	RT	RB	6"				PTE	PTE	PTE	PTE	ACP / PTF	1
133	Kitchen	CT	CT	6"				PSG	PTSG	PTSG		PTSG	2
135	Service Corridor	CH	RB	4"	WC	4'-0"		PT2		PT2		PT	2, 3
202	Mech												
203	Elect		RB	4"									4
204	Hall		RB	4"				PTSG	PTSG	PTSG	PTSG	PTSG	
205	Balcony		RB	4"				PTE	PTE	PTE	PTE	ACP / PTF	1

LEGEND:	NOTES:
ACP	1 PAINT ALL EXPOSED ITEMS INCLUDING STRUCTURAL TRUSSES AND FRAMING, DOORS AND FRAMES, ROOF DECK, CATWALKS, PIPING, RAILINGS, CONDUIT, ETC.
CH	2 PAINT WALLS AND CEILING IN AREAS OF CONSTRUCTION WORK. EXTEND NEW PAINT AS REQUIRED TO SEAMLESSLY MATCH EXISTING FINISHES. SEE ALTERNATES
CT	3 FLOOR FINISH IN LOCATION OF NEW SLAB. EXTEND FLOOR FINISH AS REQUIRED TO SEAMLESSLY MATCH EXISTING FINISHES. SEE ALTERNATES
FRP	4 REPLACED RESILIENT BASE AS REQUIRED BY NEW OPENING ONLY
PTE	
PTSG	
PTF	
RAF	
RB	
RT	
WC	



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CITY AND BOROUGH OF JUNEAU
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BALLROOM RENOVATION
 CBJ Project No. BE22-204
 Juneau, Alaska

Construction Documents

REVISIONS

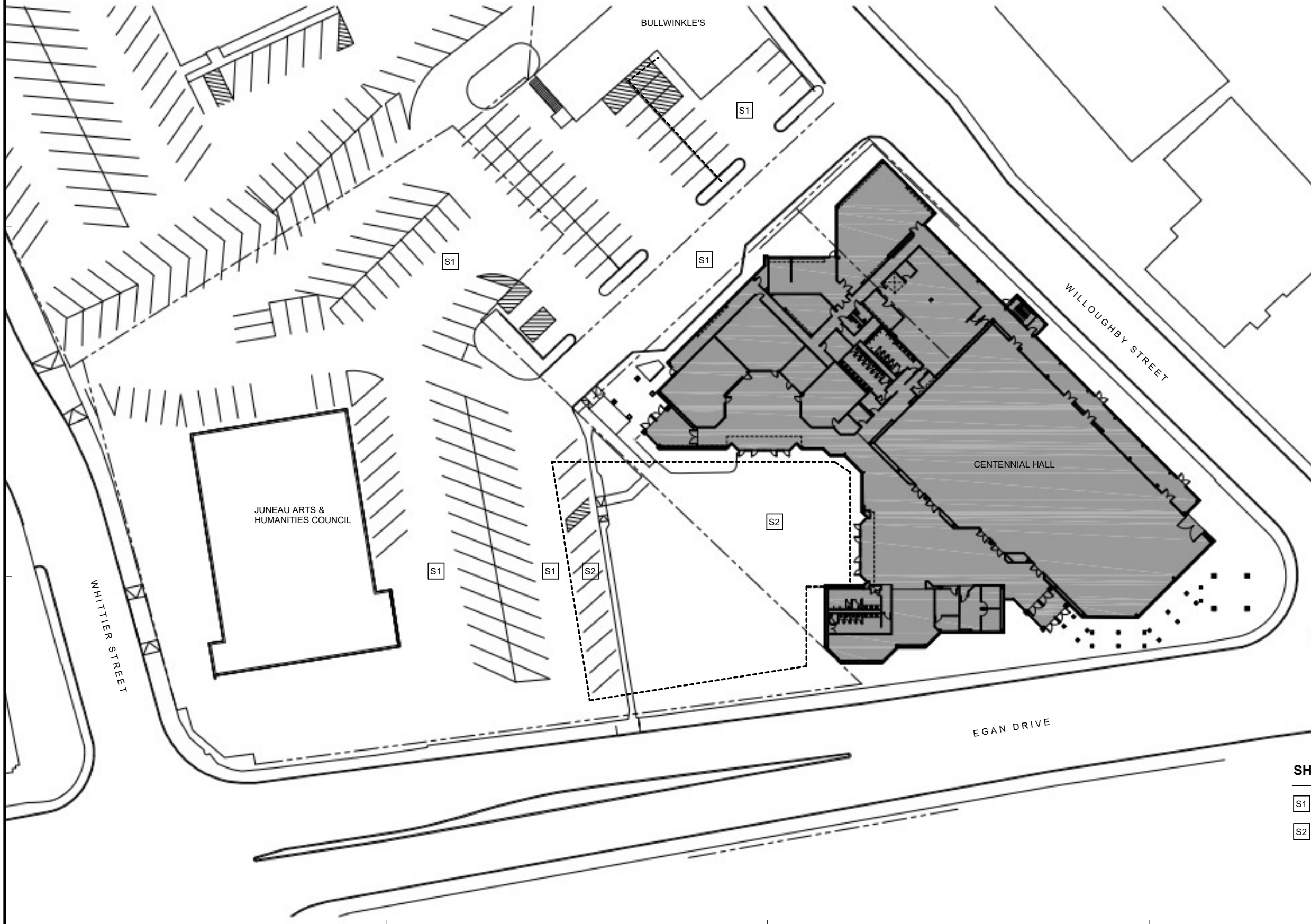


SHEET TITLE
SYMBOLS, ABBREVIATIONS, CODE AND SCHEDULES

DATE: June 14, 2022
FILE: 20015

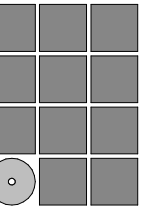
A002

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SHEET NOTES:

- S1 EXISTING PARKING AND ROADS, KEEP CLEAR OF CONSTRUCTION ACTIVITIES
- S2 EXISTING PARKING AREA, AVAILABLE FOR CONTRACTOR STAGING.



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CENTENNIAL HALL
BALLROOM RENOVATION**
CBJ Project No. BE22-204
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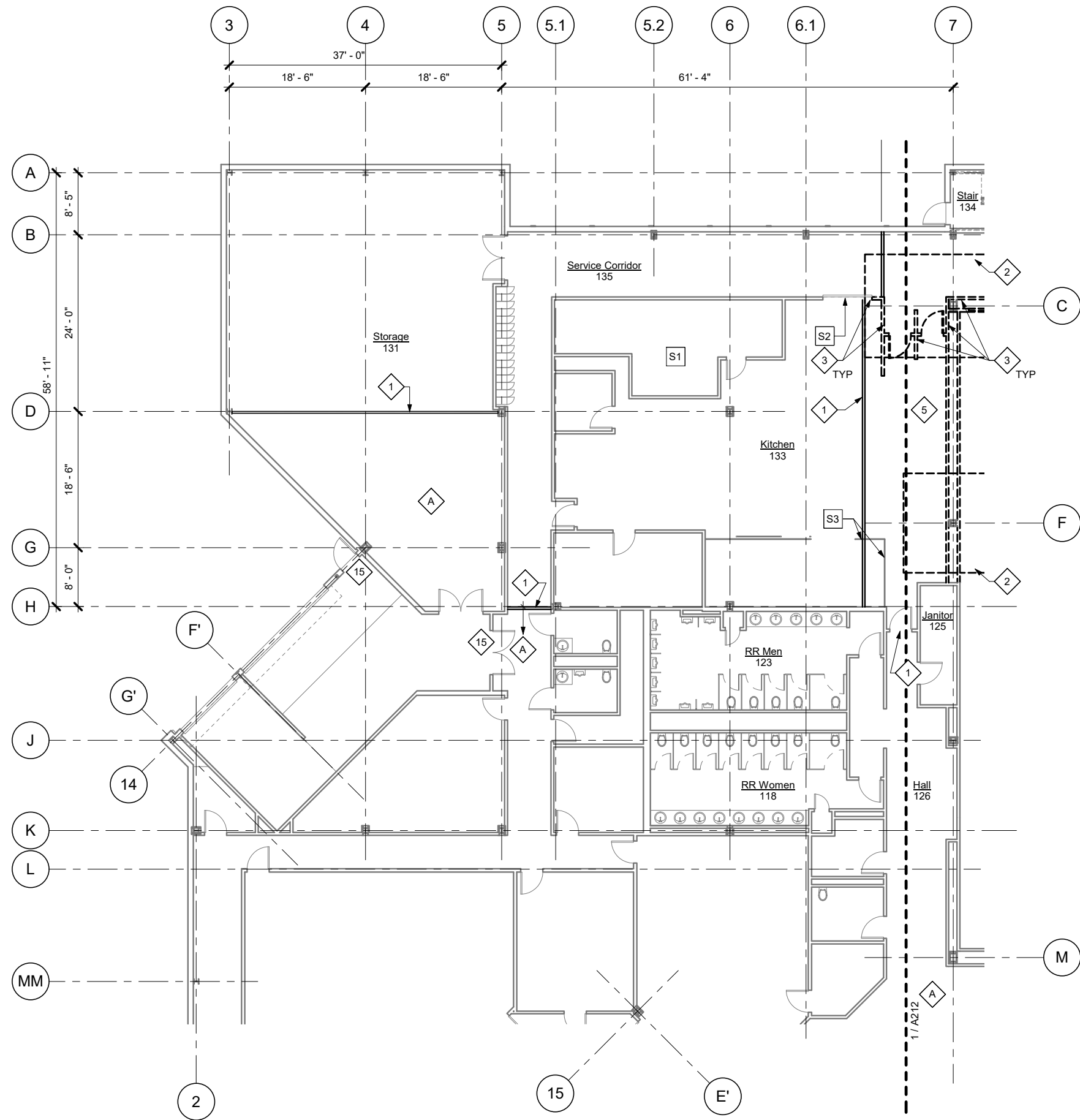


SHEET TITLE
SITE PLAN

DATE: June 14, 2022
FILE: 2015

A101

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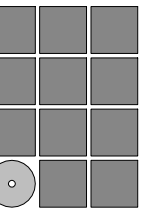


SHEET NOTES:

- S1 8'-0" TALL WALK-IN COOLER. PROTECT DURING CONSTRUCTION. SEE MECH.
- S2 80"w x 60"h COILING DOOR AT COUNTER. PROTECT DURING CONSTRUCTION. AT CONTRACTORS OPTION, CAREFULLY REMOVE, STORE, & REINSTALL COILING DOOR.
- S3 8'-0"h CHAINLINK ENCLOSURE AND GATE. CAREFULLY REMOVE, STORE, & REINSTALL.

DEMO KEYNOTES:

- A LIMITED OR NO WORK. PROTECT FINISHES AND KEEP AREA FREE FROM DUST AND CONSTRUCTION MATERIALS.
- 1 TEMPORARY DUST-PROOF PARTITION, EXTEND TO ROOF DECK ABOVE AS REQ'D TO ISOLATE DEMO AND CONSTRUCTION ACTIVITIES. PROTECT ADJACENT EQUIPMENT AND FINISHES.
- 2 ALT 1: DEMOLISH SLAB AS REQ'D FOR FOOTING, SEE STRUCT.
- 3 ALT 1: DEMOLISH WALLS AND DOORS AS REQ'D FOR STRUCTURAL WORK, SEE STRUCT. NEATLY TRIM FLOOR FINISHES ALONG LINE OF TEMPORARY PARTITION AND PREPARE FOR NEW FINISHES.
- 4 NOT USED
- 5 DEMOLISH SUSPENDED GWB CEILING AS REQ'D FOR MECHANICAL AND STRUCTURAL WORK, SEE MECH. & STRUCT.
- 6 GRIND AND REMOVE 1" OF TOP OF CONCRETE RAMPS AT DOORS. PREPARE FOR NEW FLOOR FINISHES.
- 7 GRIND AND REMOVE EPOXY FLOOR FINISH. REMOVE RUBBER WALL BASE. PREPARE FOR NEW FLOOR FINISHES.
- 8 REMOVE OPERABLE WALLS (OPERABLE WALL 1: 72" X 24"H, OPERABLE WALL 2: 80" X 24"H). REMOVE STEEL TRACK BOLTED TO STRUCTURE, SEE 5/A803.
- 9 REMOVE ALL ACOUSTIC WALL PANELS. STORE FOR REINSTALL OR DEMOLISH. PATCH WALLS AND PREPARE FOR NEW FINISHES. SEE A501 FOR EXTENT OF WORK.
- 10 DEMOLISH EXTERIOR WALL AS REQ'D FOR DOOR.
- 11 DEMOLISH ROOFING, INSULATION AND ROOF DECK AS REQ'D FOR REVISED FRAMING, CANOPY, WING WALL AND MECHANICAL EQUIPMENT, SEE STRUCT AND MECH.
- 12 DEMOLISH ACP & ACP GRID. DEMOLISH PIPE GRID.
- 13 REMOVE ACP. RETAIN ACP GRID AND PREPARE FOR NEW ACP. RETAIN PIPE GRID.
- 14 DEMOLISH BULKHEAD AS REQ'D FOR NEW DOORS AT CATWALK LEVEL
- 15 MAINTAIN EXIT DOORS AND PATHWAY TO BUILDING EXTERIOR WHILE TEMPORARY PARTITIONS ARE IN PLACE, SEE NOTE 1



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Juneau, Alaska

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REVISIONS



SHEET TITLE

**DEMO 1ST FLOOR
PLAN - ENLARGED
NW**

DATE: June 14, 2022
FILE: 20015

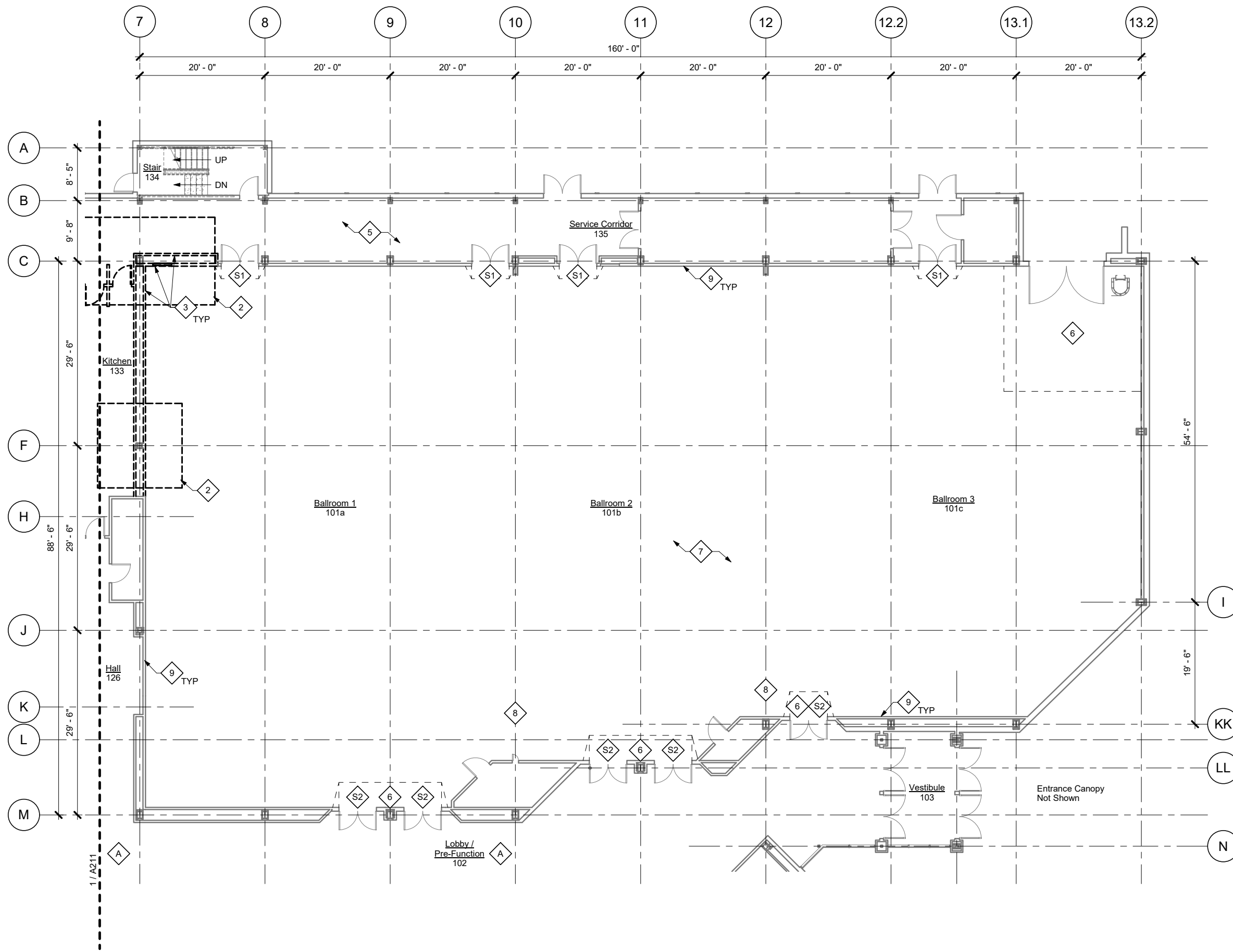
AD211

1 Demo 1st Floor Plan - Enlarged NW

SCALE: 0 4' 8' 16'



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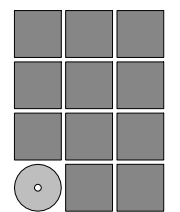
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- ◇ 4 NOT USED
- ◇ 5 DEMOLISH SUSPENDED GWB CEILING AS REQ'D FOR MECHANICAL AND STRUCTURAL WORK, SEE MECH. & STRUCT.
- ◇ 6 GRIND AND REMOVE 1" OF TOP OF CONCRETE RAMPS AT DOORS. PREPARE FOR NEW FLOOR FINISHES.
- ◇ 7 GRIND AND REMOVE EPOXY FLOOR FINISH. REMOVE RUBBER WALL BASE. PREPARE FOR NEW FLOOR FINISHES.
- ◇ 8 REMOVE OPERABLE WALLS (OPERABLE WALL 1: 72" X 24"H, OPERABLE WALL 2: 80" X 24"H). REMOVE STEEL TRACK BOLTED TO STRUCTURE, SEE 5/A803.
- ◇ 9 REMOVE ALL ACOUSTIC WALL PANELS, STORE FOR REINSTALL OR DEMOLISH. PATCH WALLS AND PREPARE FOR NEW FINISHES. SEE A501 FOR EXTENT OF WORK.
- ◇ 10 DEMOLISH EXTERIOR WALL AS REQ'D FOR DOOR.
- ◇ 11 DEMOLISH ROOFING, INSULATION AND ROOF DECK AS REQ'D FOR REVISED FRAMING, CANOPY, WING WALL AND MECHANICAL EQUIPMENT, SEE STRUCT AND MECH.
- ◇ 12 DEMOLISH ACP & ACP GRID. DEMOLISH PIPE GRID.
- ◇ 13 REMOVE ACP. RETAIN ACP GRID AND PREPARE FOR NEW ACP. RETAIN PIPE GRID.
- ◇ 14 DEMOLISH BULKHEAD AS REQ'D FOR NEW DOORS AT CATWALK LEVEL
- ◇ 15 MAINTAIN EXIT DOORS AND PATHWAY TO BUILDING EXTERIOR WHILE TEMPORARY PARTITIONS ARE IN PLACE, SEE NOTE 1

SHEET NOTES:

- ◇ S1 REMOVE KICKPLATES ON DOORS. PREP DOOR FOR REFINISHING
- ◇ S2 PROTECT HAMMERED METAL DOORS DURING CONSTRUCTION. PREP DOOR FRAME FOR REFINISHING

1 Demo 1st Floor Plan - Enlarged Ballrooms
SCALE: 0 4' 8' 16'



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**CITY AND BOROUGH OF JUNEAU
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BALLROOM RENOVATION**
CBJ Project No. BE22-204
Juneau, Alaska

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REVISIONS



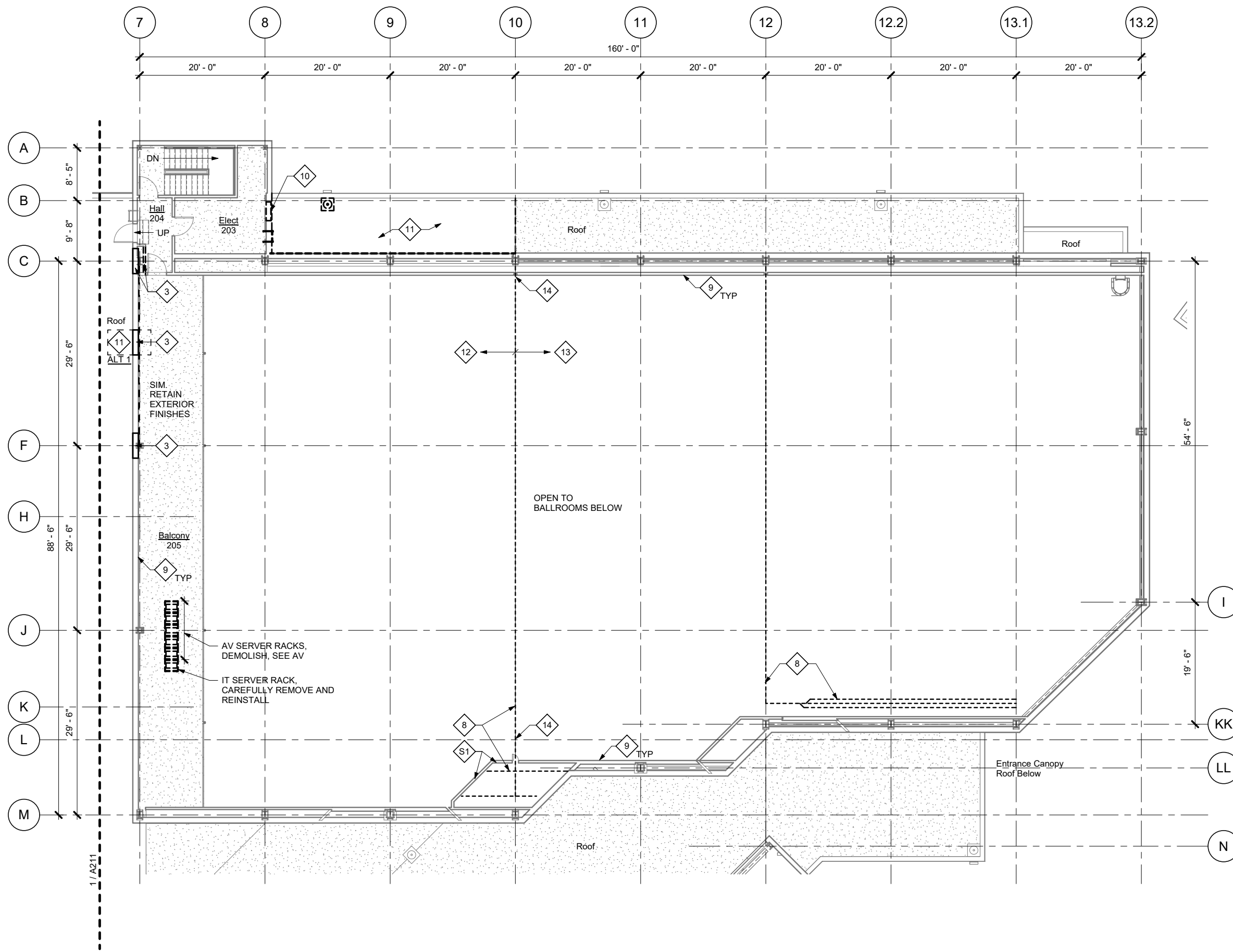
SHEET TITLE
**DEMO 1st FLOOR
PLAN - ENLARGED
BALLROOMS**

DATE: June 14, 2022
FILE: 20015



AD212

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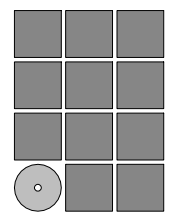


DEMO KEYNOTES:

- ◇ A LIMITED OR NO WORK. PROTECT FINISHES AND KEEP AREA FREE FROM DUST AND CONSTRUCTION MATERIALS.
- ◇ 1 TEMPORARY DUST-PROOF PARTITION. EXTEND TO ROOF DECK ABOVE AS REQ'D TO ISOLATE DEMO AND CONSTRUCTION ACTIVITIES. PROTECT ADJACENT EQUIPMENT AND FINISHES.
- ◇ 2 ALT 1: DEMOLISH SLAB AS REQ'D FOR FOOTING, SEE STRUCT.
- ◇ 3 ALT 1: DEMOLISH WALLS AND DOORS AS REQ'D FOR STRUCTURAL WORK. SEE STRUCT. NEATLY TRIM FLOOR FINISHES ALONG LINE OF TEMPORARY PARTITION AND PREPARE FOR NEW FINISHES.
- ◇ 4 NOT USED
- ◇ 5 DEMOLISH SUSPENDED GWB CEILING AS REQ'D FOR MECHANICAL AND STRUCTURAL WORK, SEE MECH. & STRUCT.
- ◇ 6 GRIND AND REMOVE 1" OF TOP OF CONCRETE RAMPS AT DOORS. PREPARE FOR NEW FLOOR FINISHES.
- ◇ 7 GRIND AND REMOVE EPOXY FLOOR FINISH. REMOVE RUBBER WALL BASE. PREPARE FOR NEW FLOOR FINISHES.
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- ◇ 11 DEMOLISH ROOFING, INSULATION AND ROOF DECK AS REQ'D FOR REVISED FRAMING, CANOPY, WING WALL AND MECHANICAL EQUIPMENT, SEE STRUCT AND MECH.
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- ◇ 14 DEMOLISH BULKHEAD AS REQ'D FOR NEW DOORS AT CATWALK LEVEL
- ◇ 15 MAINTAIN EXIT DOORS AND PATHWAY TO BUILDING EXTERIOR WHILE TEMPORARY PARTITIONS ARE IN PLACE, SEE NOTE 1

SHEET NOTES:

- ◇ S1 REMOVE EX STEEL FRAMING AND OPERABLE WALL TRACKS. REMOVE TOP OF EXISTING STEEL FRAMED GWB WALLS AS REQ'D BY CATWALK FRAMING AND RECONFIGURED OPERABLE WALL TRACKS



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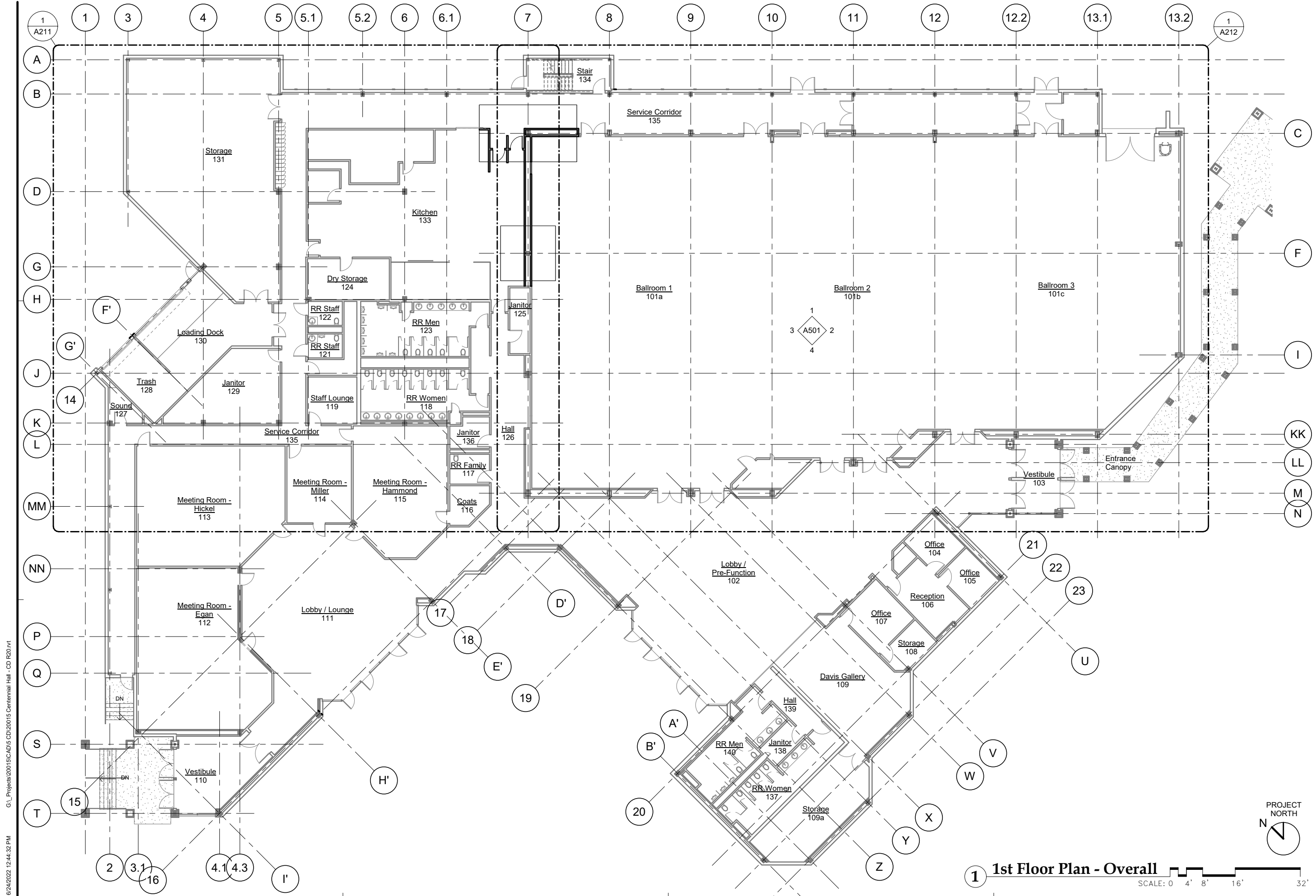
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SHEET TITLE
**DEMO 2nd FLOOR
PLAN - ENLARGED
BALLROOMS**

DATE: June 14, 2022
FILE: 20015

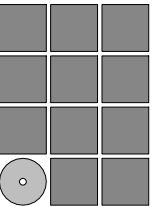
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1 Demo 2nd Floor Plan - Enlarged Ballrooms
SCALE: 0 4' 8' 16'





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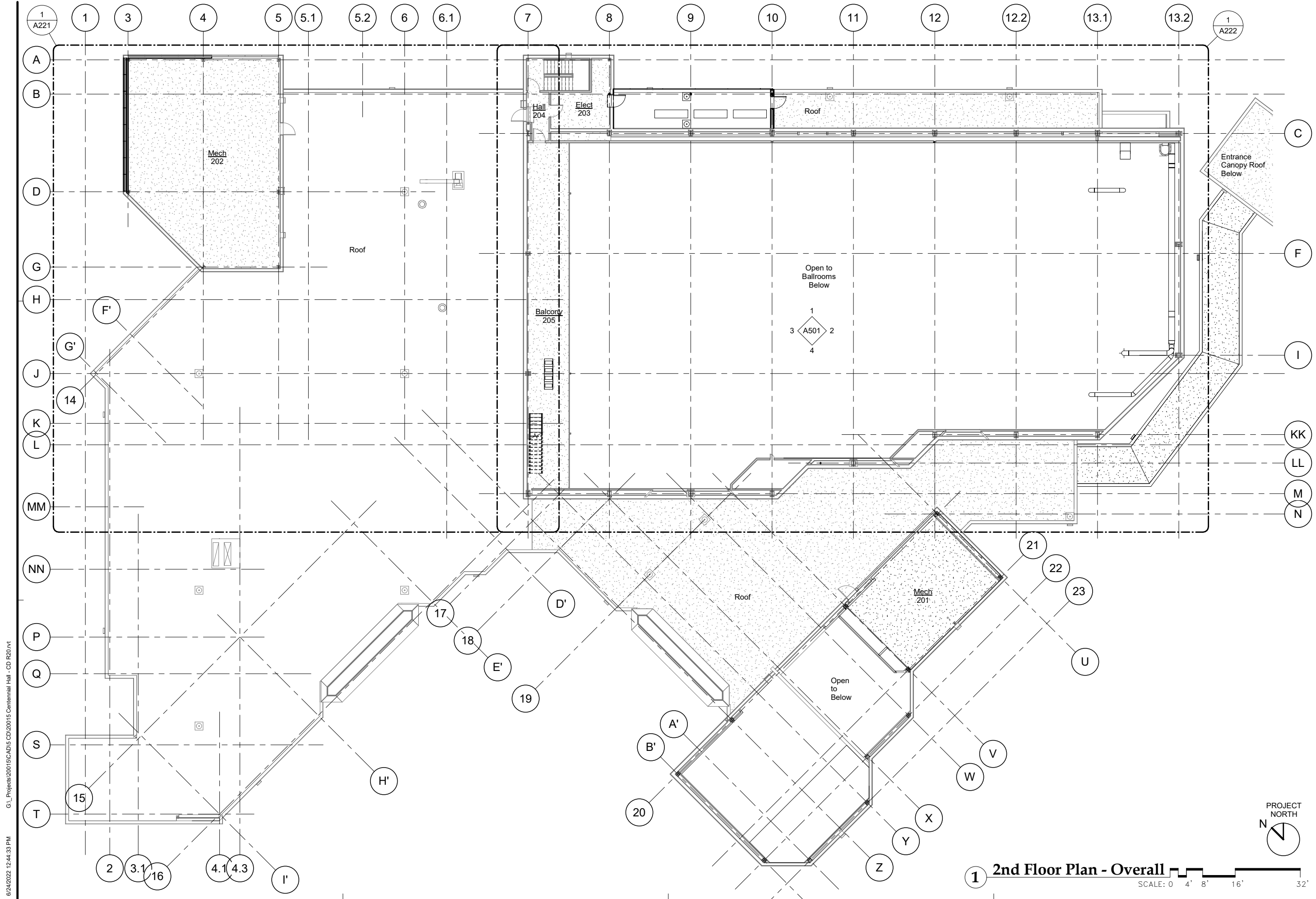
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1st FLOOR PLAN - OVERALL

DATE: June 14, 2022
FILE: 20015

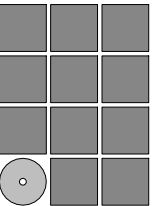
A201

1st Floor Plan - Overall
SCALE: 0 4' 8' 16' 32'





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BALLROOM RENOVATION**
CBJ Project No. BE22-204
Juneau, Alaska

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SHEET TITLE

2nd FLOOR PLAN - OVERALL

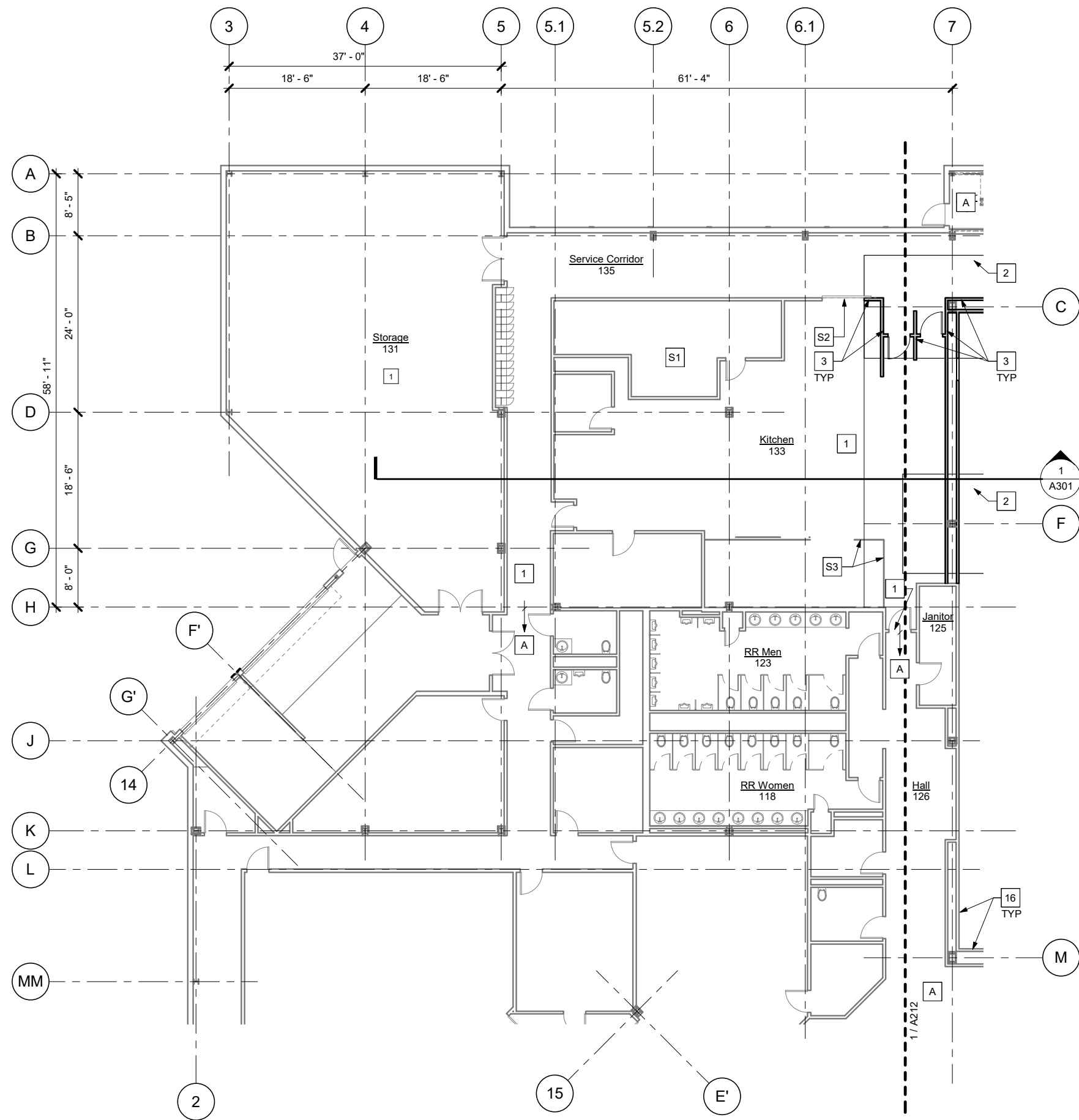
DATE: June 14, 2022
FILE: 20015

A202

1 2nd Floor Plan - Overall
SCALE: 0 4' 8' 16' 32'



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1 1st Floor Plan - Enlarged NW

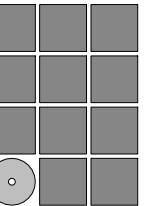
SCALE: 0 4' 8' 16'

SHEET NOTES:

- S1 8'-0" TALL WALK-IN COOLER. PROTECT DURING CONSTRUCTION. SEE MECH.
- S2 80"W x 60"H COILING DOOR AT COUNTER. PROTECT DURING CONSTRUCTION. AT CONTRACTORS OPTION. CAREFULLY REMOVE, STORE, & REINSTALL COILING DOOR.
- S3 8'-0"H CHAINLINK ENCLOSURE AND GATE. CAREFULLY REMOVE, STORE, & REINSTALL.

KEYNOTES:

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- 1 PATCH AND PAINT FINISHES AT REMOVED TEMPORARY PARTITION AS REQ'D FOR SEAMLESS APPEARANCE.
- 2 ALT 1: CONCRETE SLAB OVER FOOTINGS, SEE STRUCT. FLOORING TO MATCH ADJACENT.
- 3 ALT 1: WALLS AND DOORS REPLACED OVER STRUCTURAL BRACING AND SLAB, SEE STRUCT.
- 4 NOT USED
- 5 SUSPENDED GWB CEILING REPLACED IN AREAS DEMO'D FOR MECH AND STRUCT. WORK. PATCH TO EXISTING.
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- 11 MEMBRANE ROOFING OVER COVER BOARD AND RIGID INSULATION OVER REVISED FRAMING AND ROOF DECK. SEE STRUCT. RAISED CURBS AT MECHANICAL EQUIPMENT, SEE MECH.
- 12 ACP (PAINTED BLACK) AND ACP GRID 6" BELOW ROOF DECK, FIT AROUND STRUCTURE AND CATWALKS
- 13 ACP (PAINTED BLACK) IN EXISTING ACP GRID. COORDINATE WITH ELECT AND AV WORK.
- 14 DOOR IN BULKHEAD AT CATWALK LEVEL
- 15 EX DUCTWORK, SEE MECH. PAINT.
- 16 PATCH AND PAINT WALLS. PAINT ALL EXPOSED ITEMS, INCLUDING STRUCTURAL TRUSSES AND FRAMING, DOORS AND FRAMES, ROOF DECK, CATWALKS, PIPING, RAILINGS, CONDUIT, ETC. DO NOT PAINT PREFINISHED ITEMS INCLUDING LIGHTS, ELECTRONIC EQUIPMENT, AND AV EQUIPMENT. DO NOT PAINT ACP OR ACOUSTIC WALL PANELS.
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- 18 PATCH ROOFING WHERE REQUIRED BY DEMO AND STRUCTURAL WORK. MATCH CONSTRUCTION, SEE 1/A801 SIM STEEL DECKED
- 19 PATCH CONC. FLOOR AND GWP CEILING AT BALCONY AS REQUIRED BY WORK, SEE STRUCT.
- 20 CAREFULLY PROTECT EX. ROOF MEMBRANE. INSPECT AFTER CONSTRUCTION IS COMPLETE AND REPAIR ANY DAMAGE.



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BALLROOM RENOVATION
CBJ Project No. BE22-204
Juneau, Alaska**

Construction Documents

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SHEET TITLE

1st FLOOR PLAN - ENLARGED NW

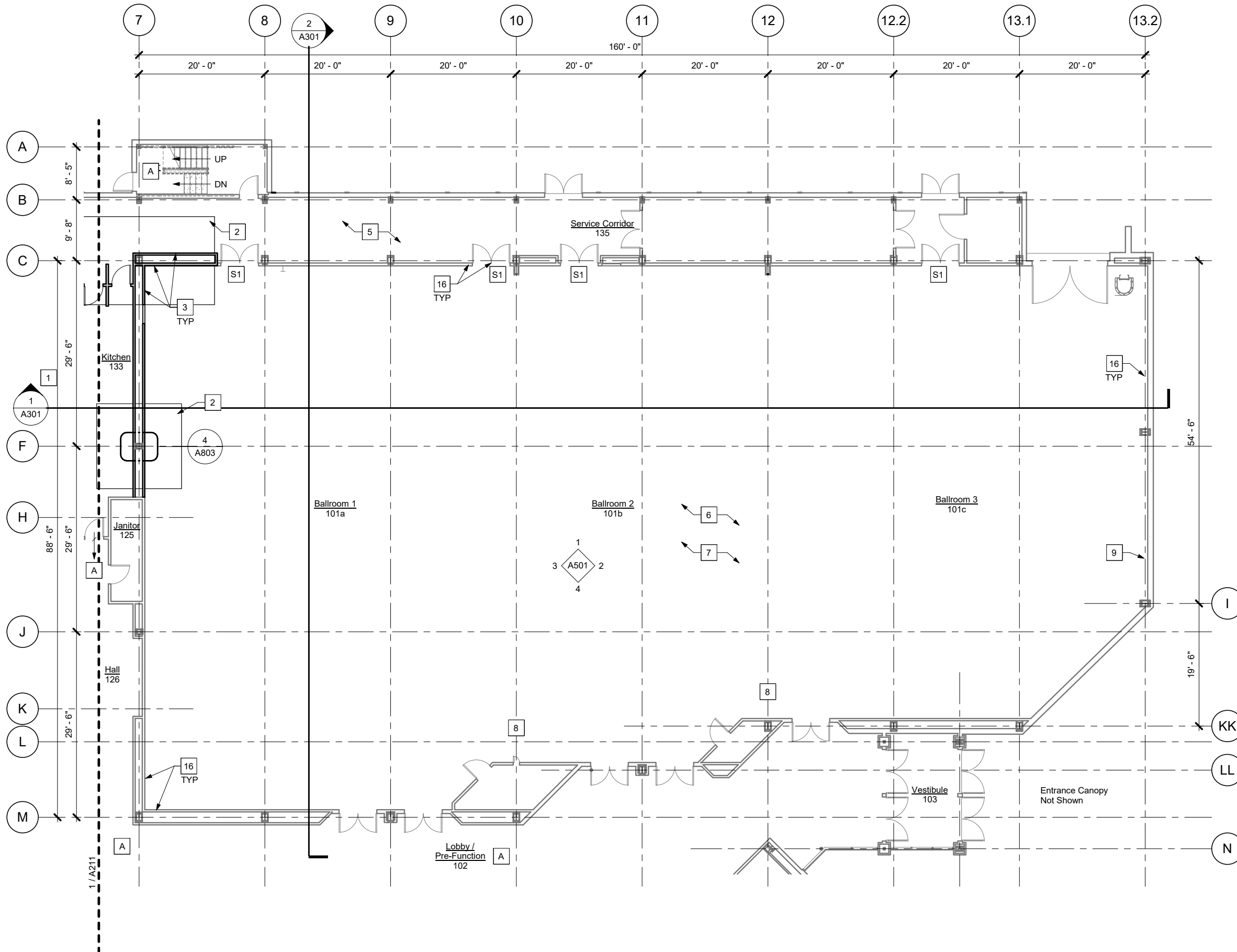
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PROJECT NORTH



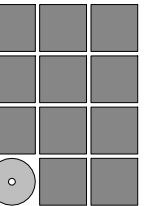
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 - 18 PATCH ROOFING WHERE REQUIRED BY DEMO AND STRUCTURAL WORK. MATCH CONSTRUCTION, SEE 1/A801 SIM STEEL DECKED
 - 19 PATCH CONC. FLOOR AND GWB CEILING AT BALCONY AS REQUIRED BY WORK, SEE STRUCT.
 - 20 CAREFULLY PROTECT EX. ROOF MEMBRANE. INSPECT AFTER CONSTRUCTION IS COMPLETE AND REPAIR ANY DAMAGE.
- SHEET NOTES:**
- S1 INSTALL 34"w x 40"h SS. KICKPLATE ON EXSITING DOORS.



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SHEET TITLE
1st FLOOR PLAN - ENLARGED BALLROOMS

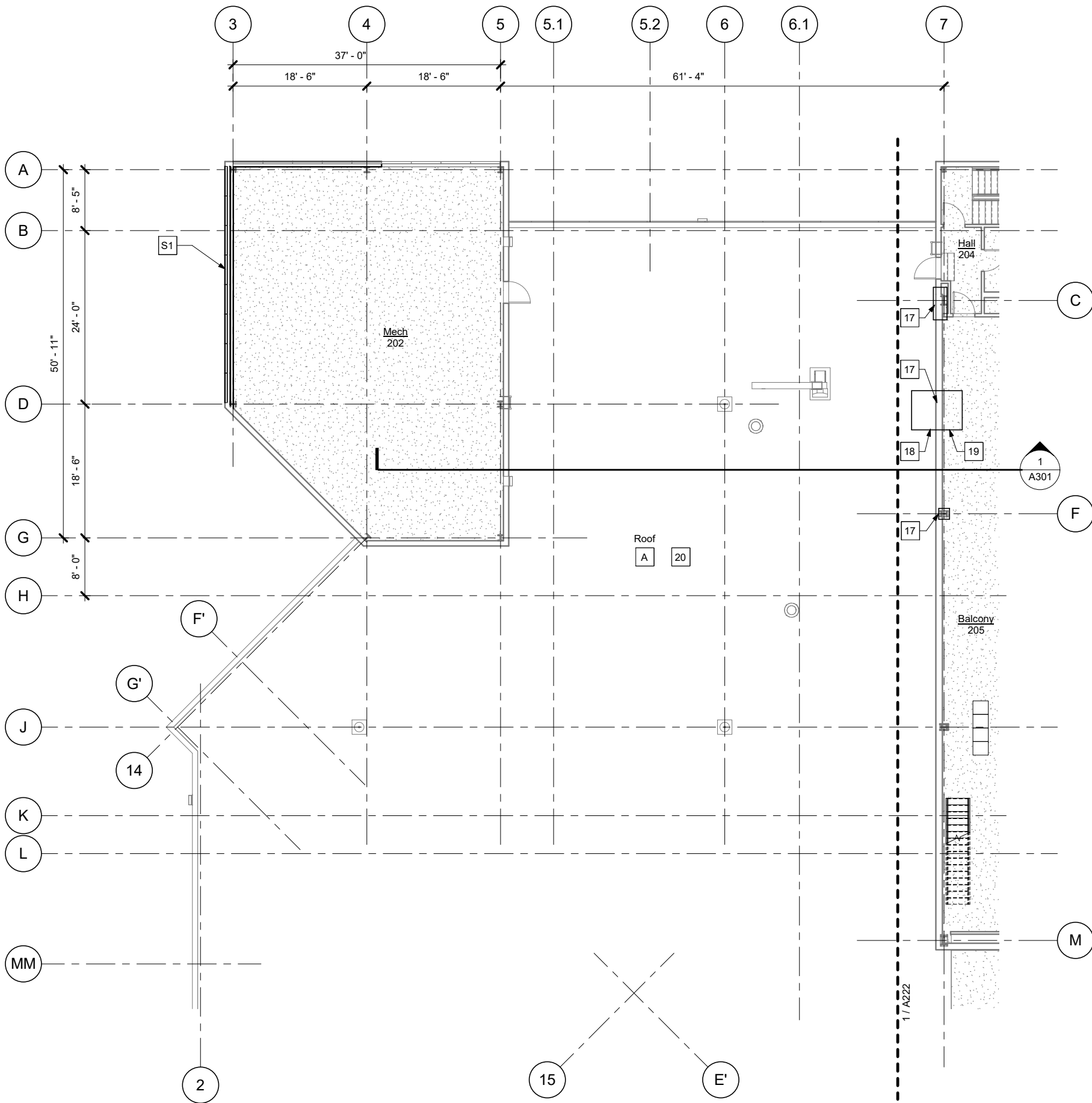
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A212

1 1st Floor Plan - Enlarged Ballrooms



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1 2nd Floor Plan - Enlarged NW

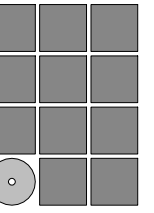
SCALE: 0 4' 8' 16'

SHEET NOTES:

- S1 CAREFULLY REMOVE LOUVERS AS REQ'D FOR MECHANICAL WORK. PROTECT LOUVERS AND REINSTALL, REPLACING FLASHING AND TRIM AS REQ'D FOR SEAMLESS FINAL APPEARANCE. SEE MECH.

KEYNOTES:

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SHEET TITLE

2nd FLOOR PLAN - ENLARGED NW

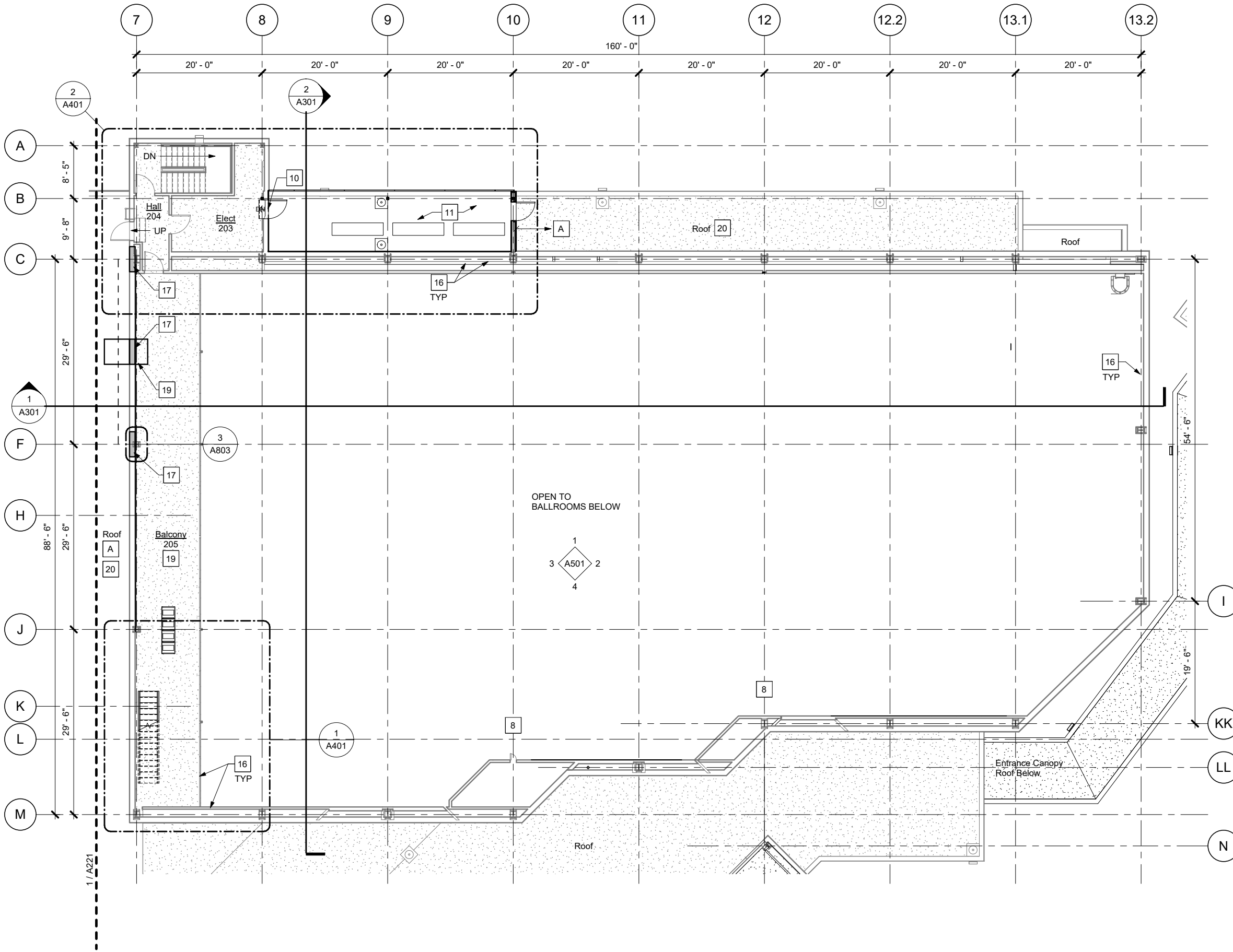
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PROJECT NORTH



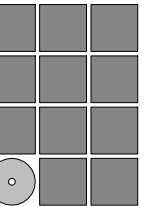
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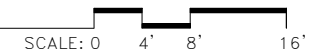


SHEET TITLE
**2nd FLOOR PLAN -
ENLARGED
BALLROOMS**

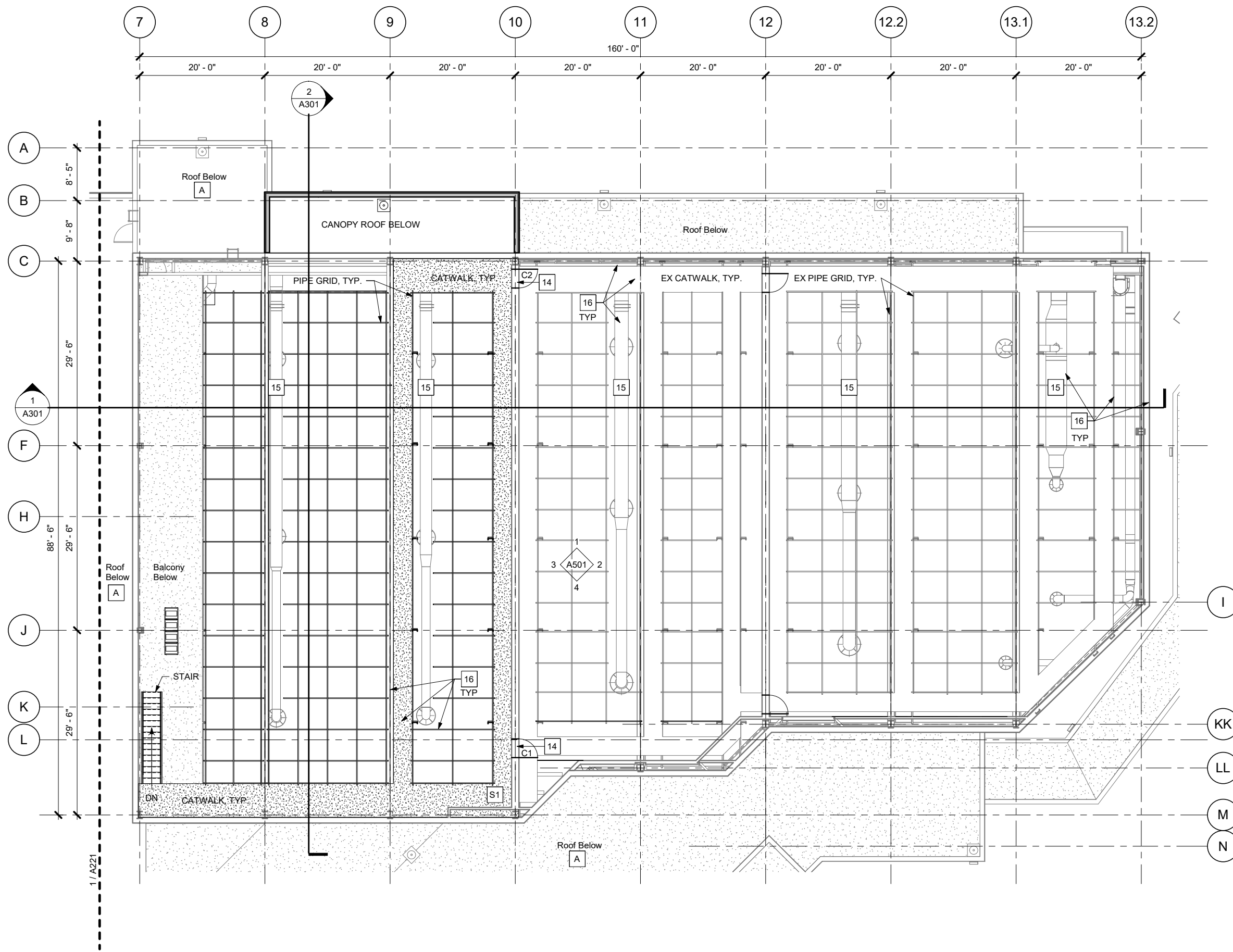
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A222

1 2nd Floor Plan - Enlarged Ballrooms



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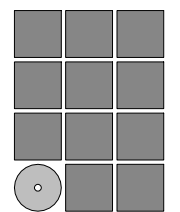


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- 20 CAREFULLY PROTECT EX. ROOF MEMBRANE. INSPECT AFTER CONSTRUCTION IS COMPLETE AND REPAIR ANY DAMAGE.

SHEET NOTES:

- S1 TRIM EXISTING STEEL FRAMED GWP WALLS FLUSH WITH BOTTOM OF CATWALK FRAMING. PATCH AS REQ'D FOR NEAT FINISHED APPEARANCE.



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BALLROOM RENOVATION
 CBJ Project No. BE22-204
 Juneau, Alaska

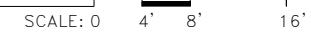
Construction Documents
REVISIONS

REVISIONS
SHEET TITLE
CATWALK FLOOR PLAN - ENLARGED BALLROOMS

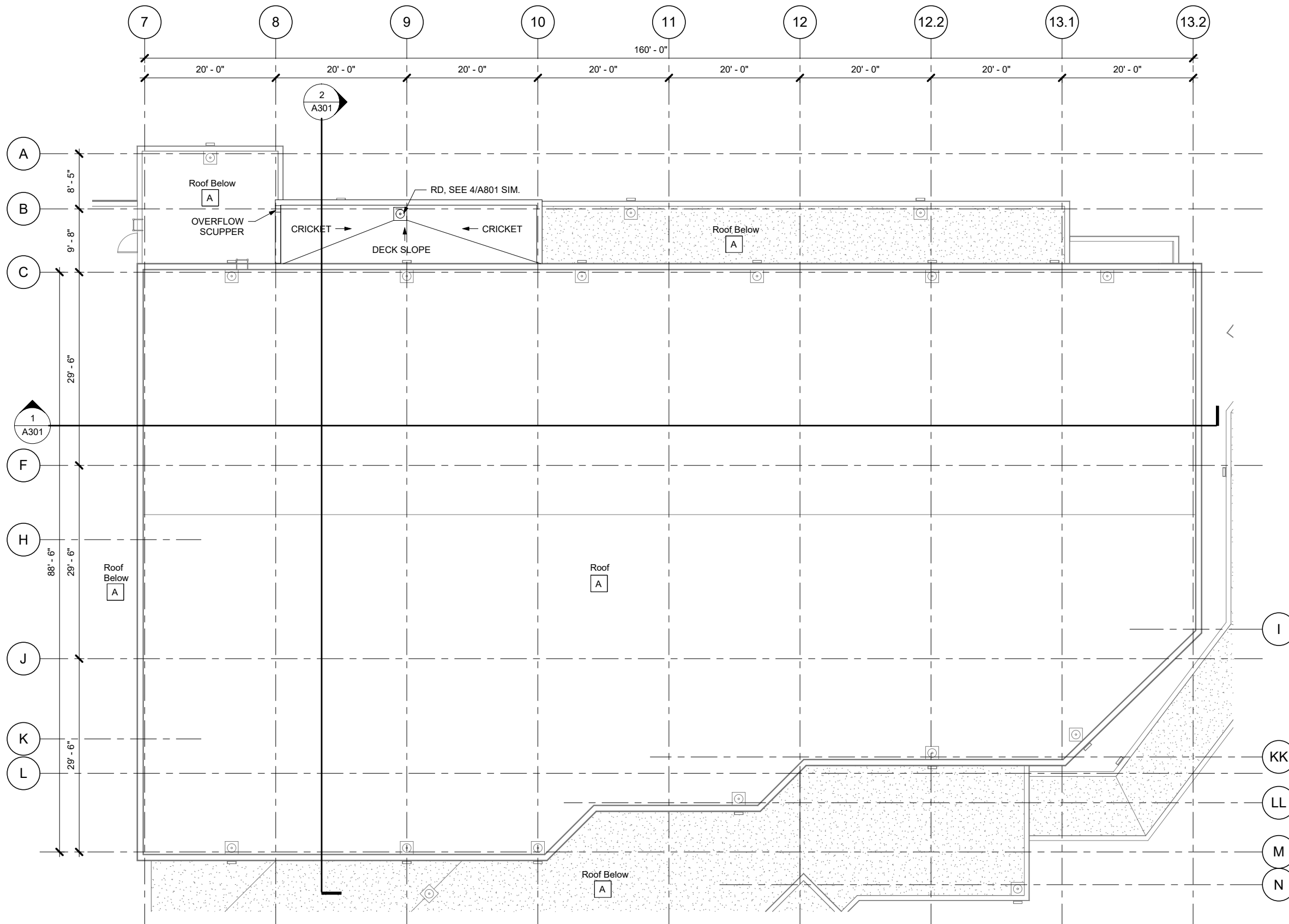
DATE: June 14, 2022
FILE: 20015

A232

1 Catwalk Floor Plan - Enlarged Ballrooms

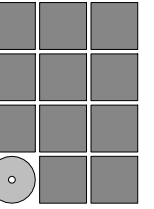


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KEYNOTES:

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SHEET TITLE
ROOF PLAN - ENLARGED BALLROOMS

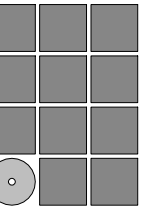
DATE: June 14, 2022
FILE: 20015

A242

1 Roof Plan - Enlarged Ballrooms

SCALE: 0 4' 8' 16'





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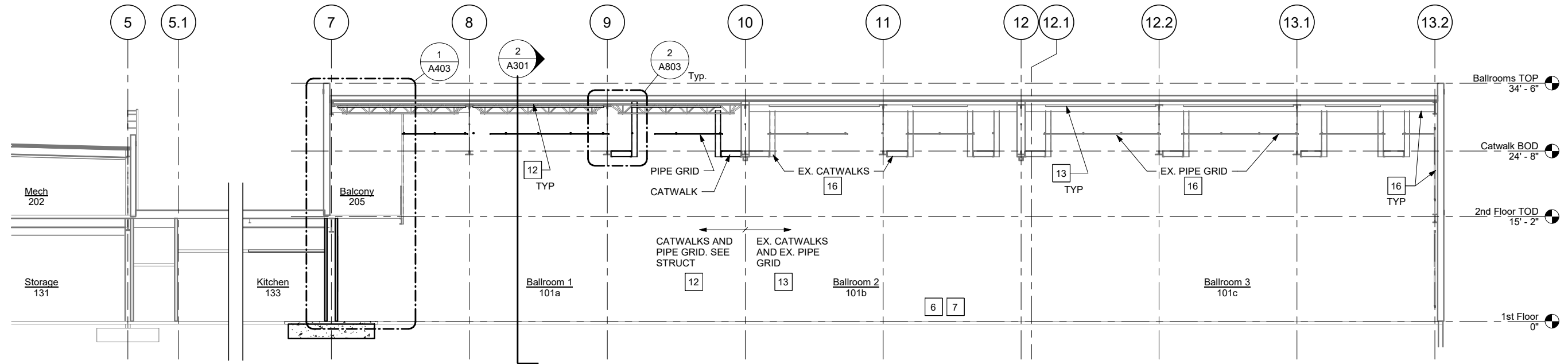


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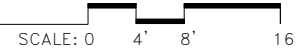
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SHEET TITLE	
BUILDING SECTION	

DATE: June 14, 2022
FILE: 20015

A301



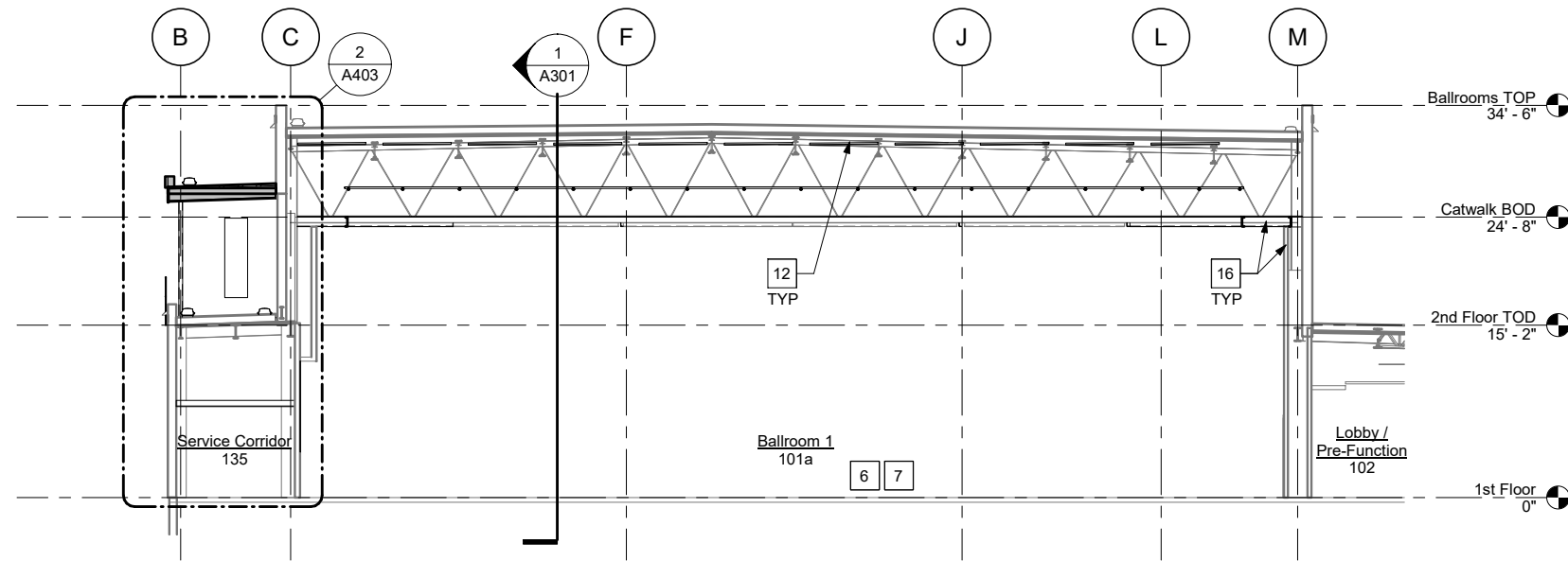
1 Building Section - Near Grid F



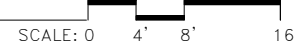
WALL BEYOND NOT SHOWN FOR CLARITY. SEE INTERIOR ELEVATIONS

KEYNOTES:

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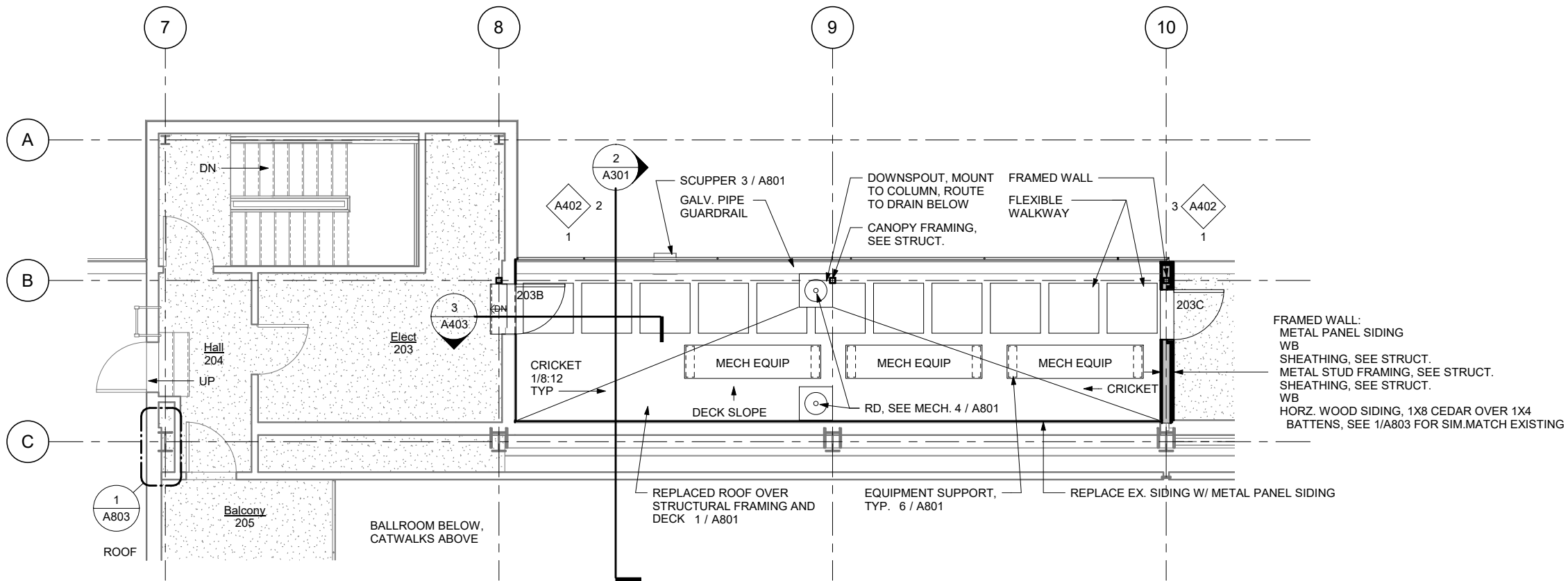


2 Building Section - Grid 8.3

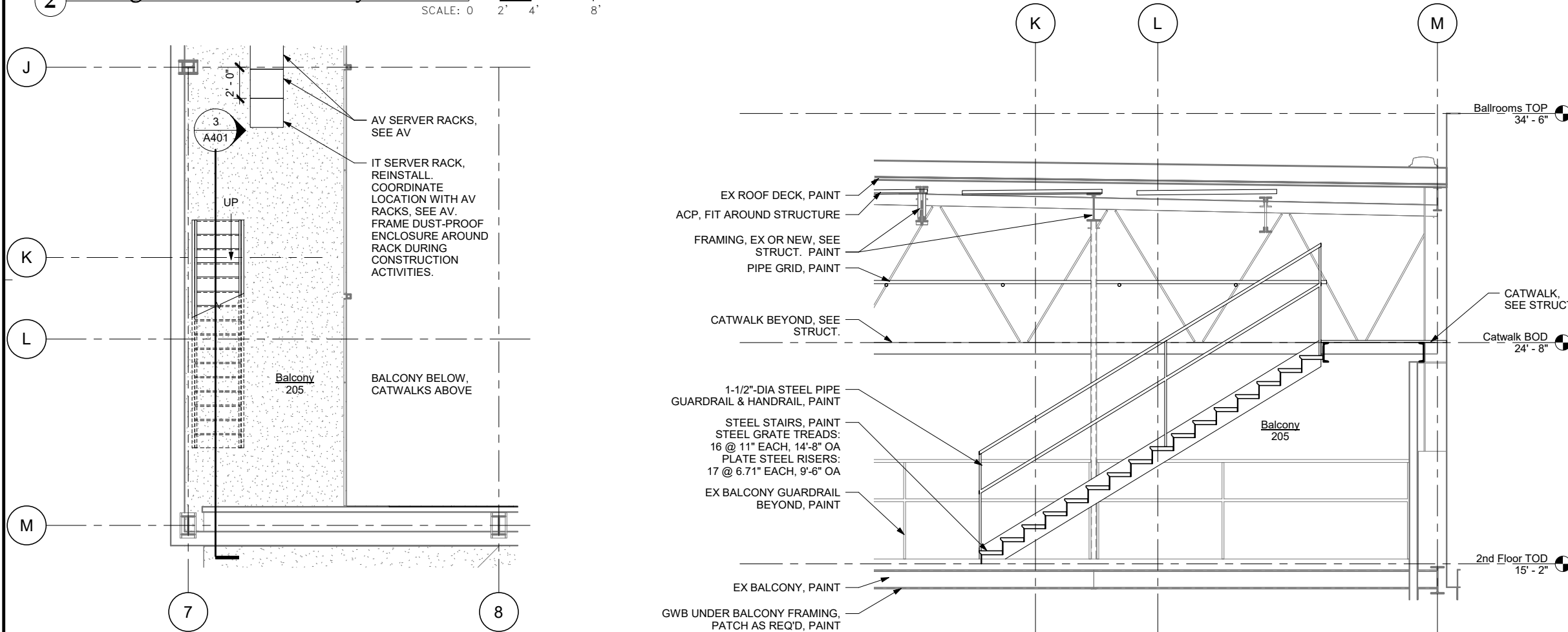


WALL BEYOND NOT SHOWN FOR CLARITY. SEE INTERIOR ELEVATIONS

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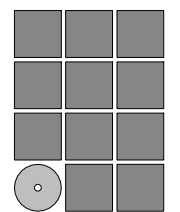


2 Enlarged Plan - NW Balcony
SCALE: 0 2' 4' 8'



1 Enlarged Plan - SW Balcony
SCALE: 0 2' 4' 8'

3 Catwalk Stair Section
SCALE: 0 2' 4' 8'



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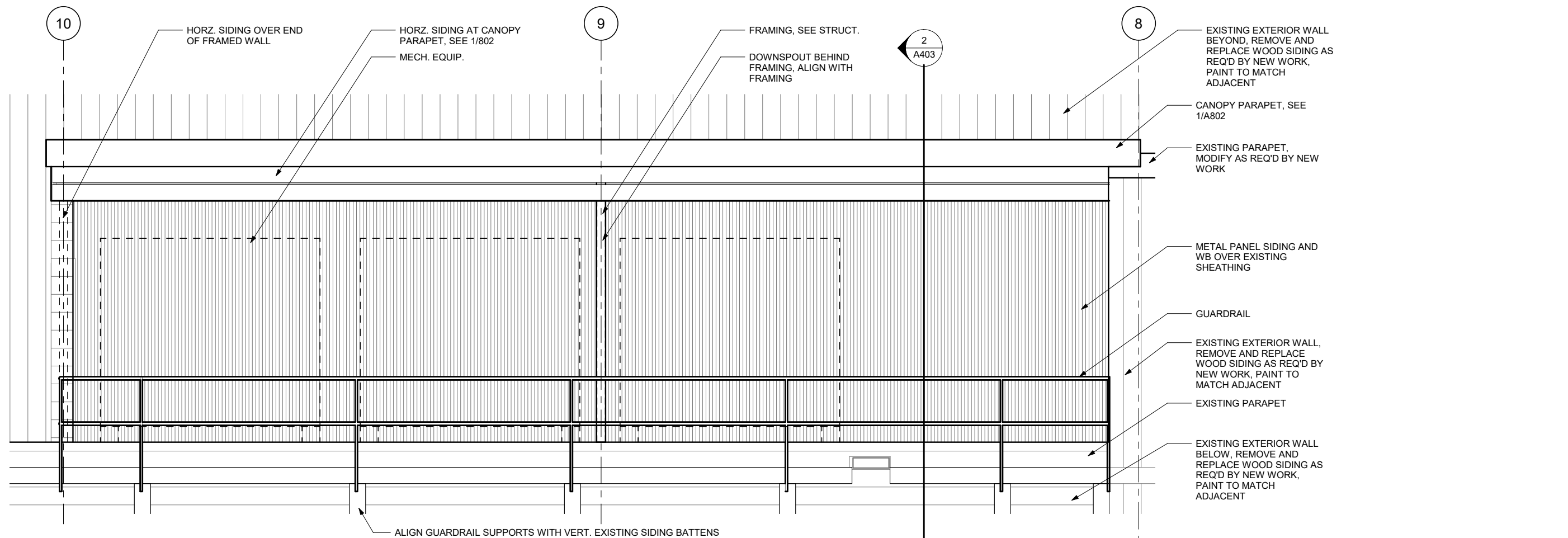
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SHEET TITLE
ENLARGED PLANS - 2nd FLOOR & STAIR SECTION

DATE: June 14, 2022
FILE: 20015

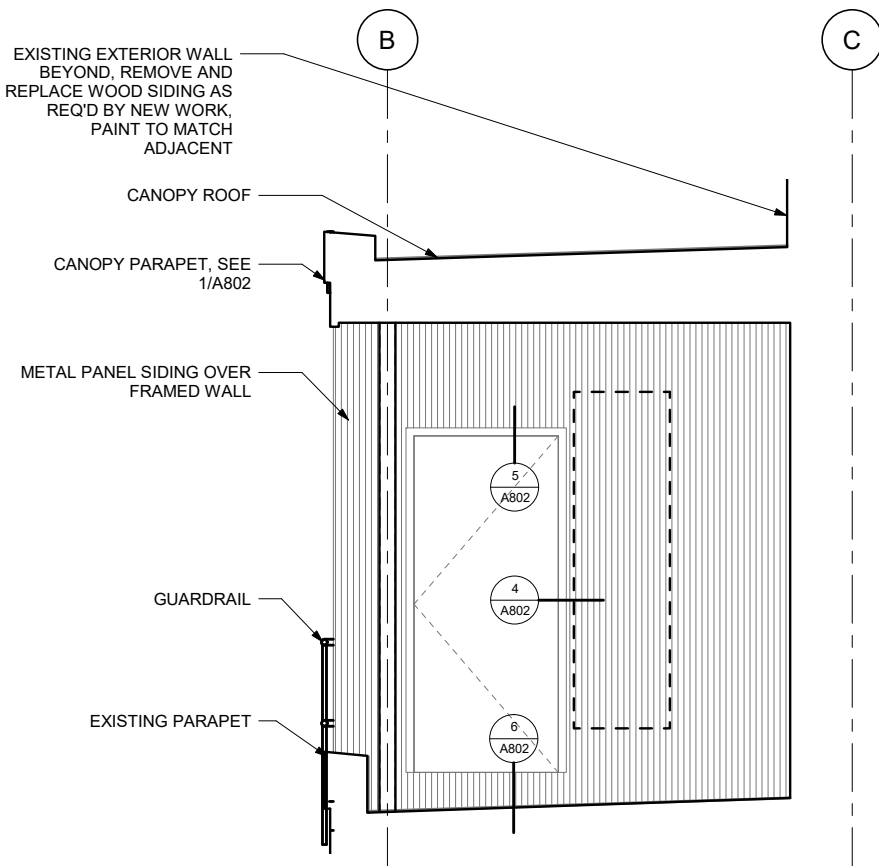
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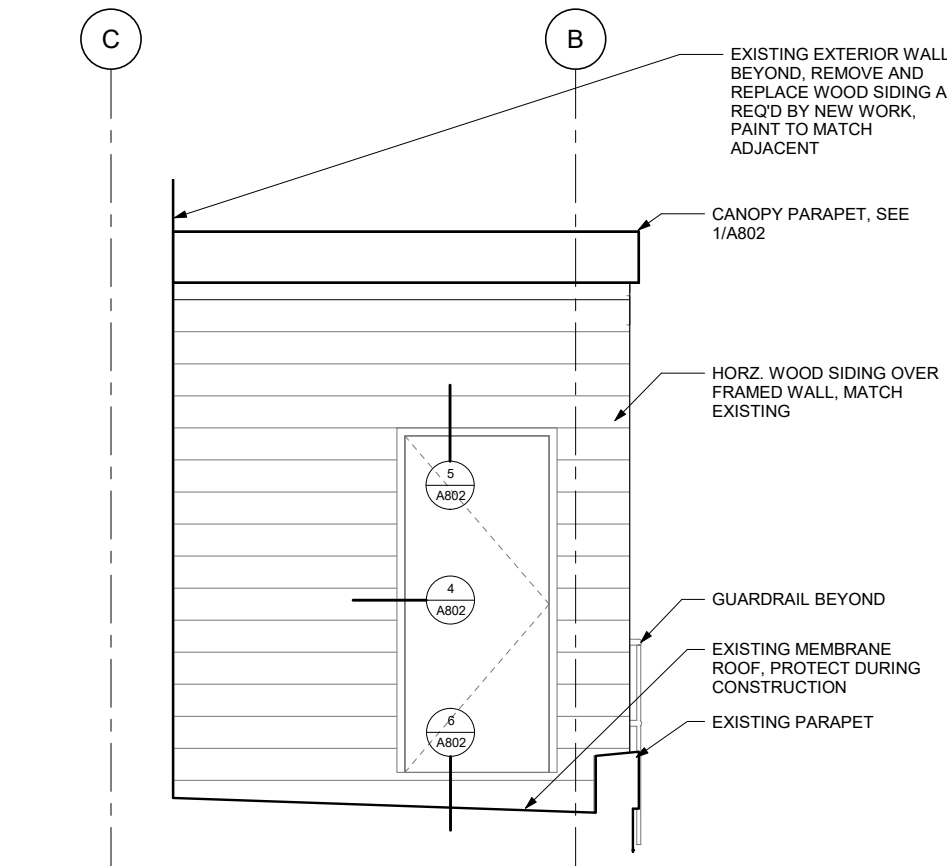
1 Canopy Exterior Elevation - South

SCALE: 0 1' 2' 4'



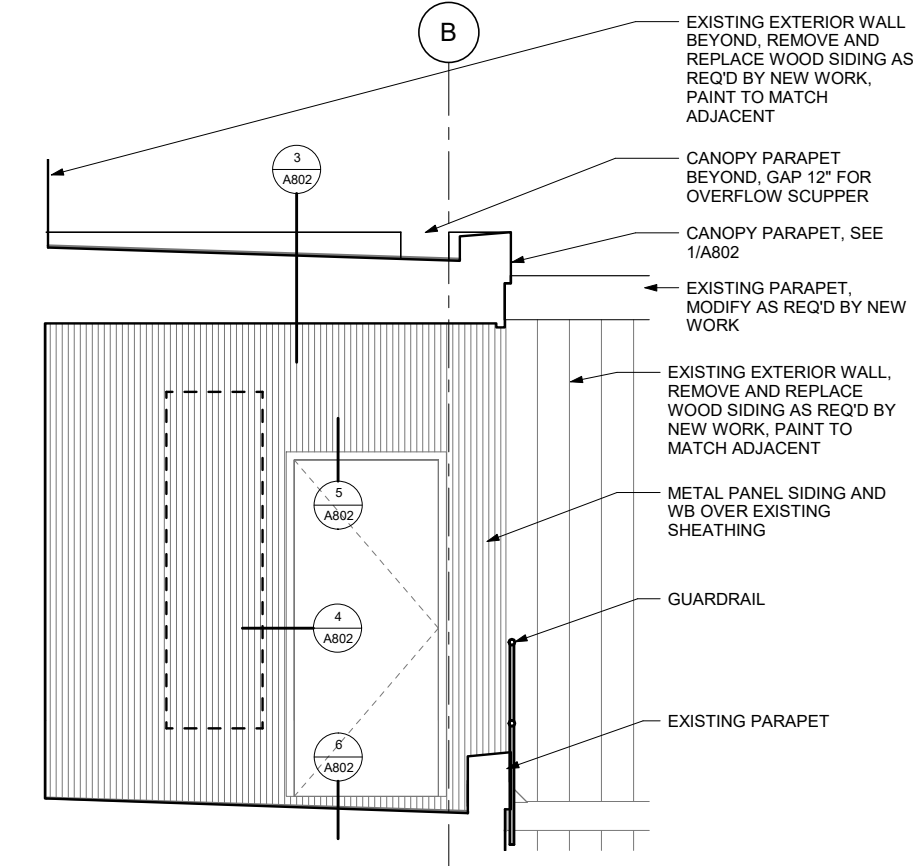
2 Canopy Exterior Elevation - East

SCALE: 0 1' 2' 4'



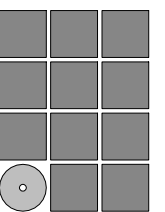
3 Canopy Ext. Elev. - East Wall West

SCALE: 0 1' 2' 4'



4 Canopy Exterior Elevation - West

SCALE: 0 1' 2' 4'



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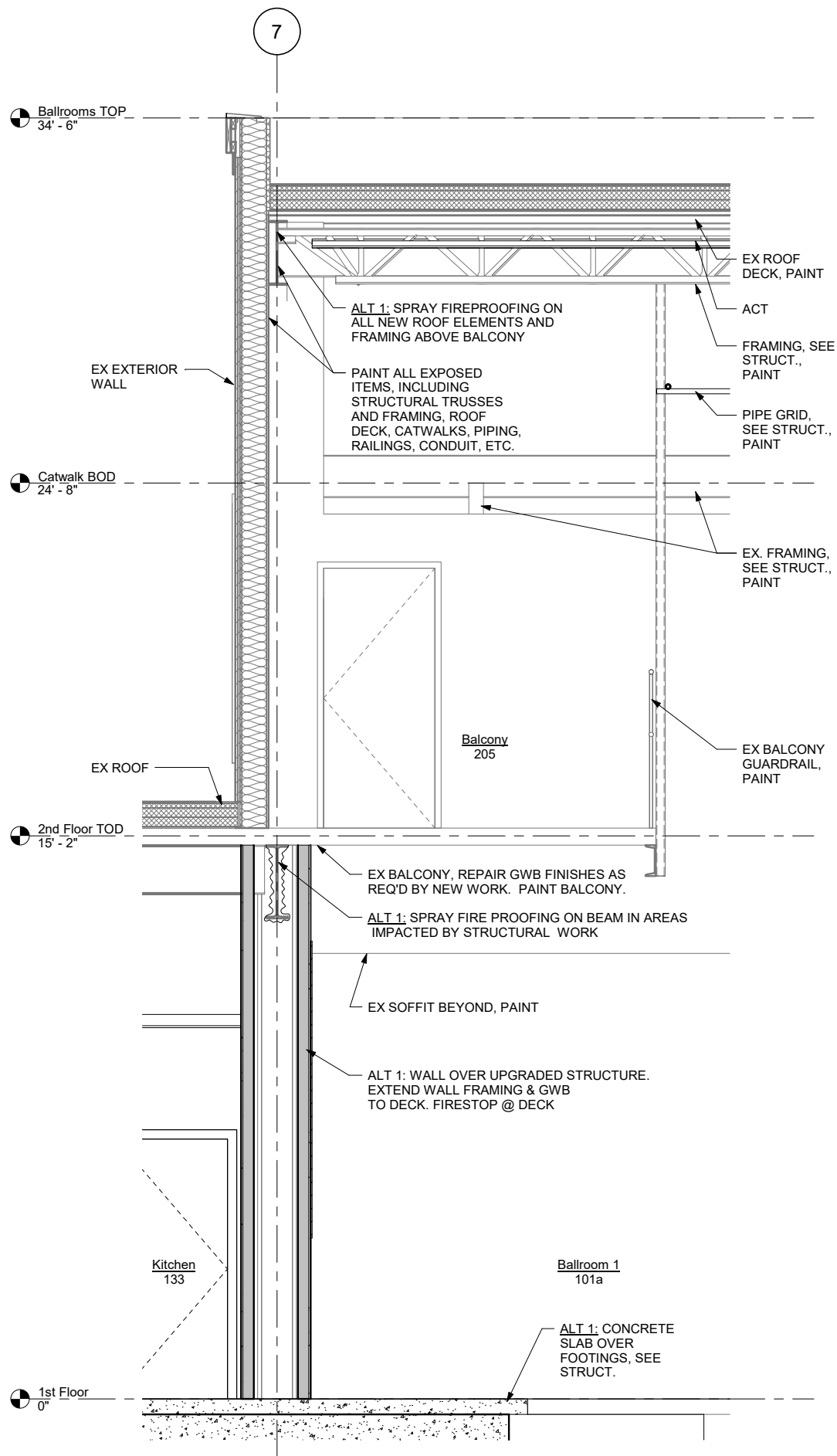
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**NW BALCONY
ELEVATIONS**

DATE: June 14, 2022
FILE: 20015

A402

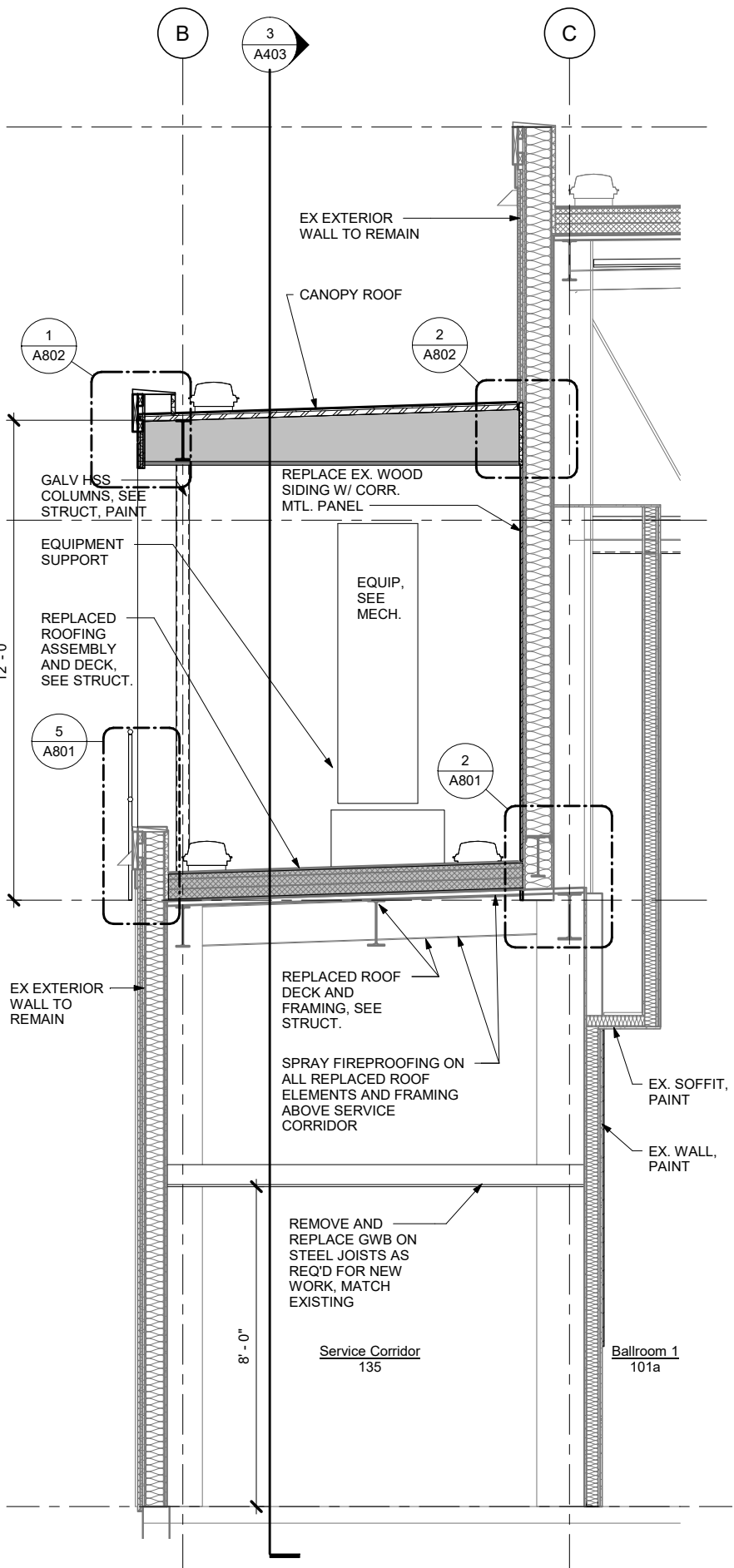
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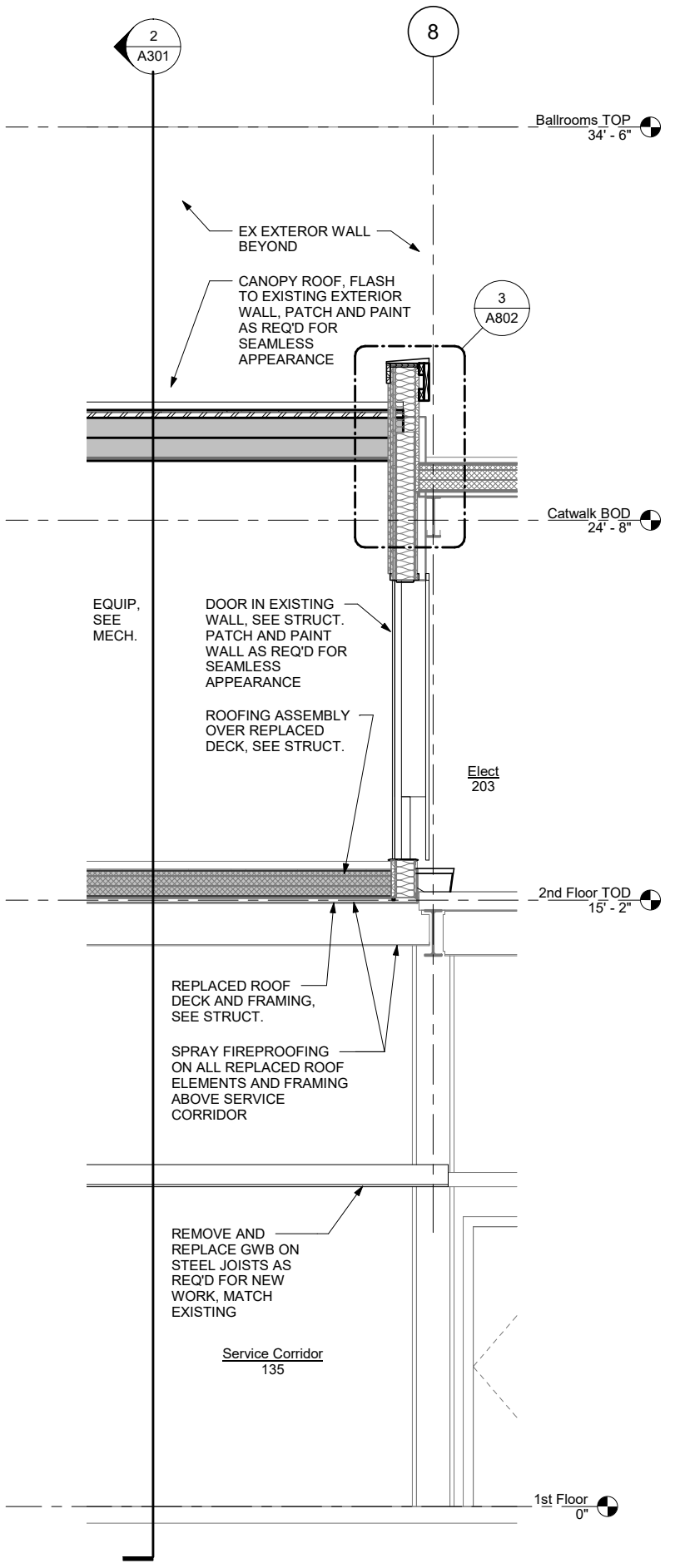
1 Wall Section - Balcony

SCALE: 0 1' 2' 4'



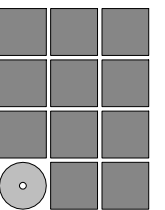
2 Wall Section - Heat Pumps

SCALE: 0 1' 2' 4'



3 Wall Section - Heat Pumps Long.

SCALE: 0 1' 2' 4'



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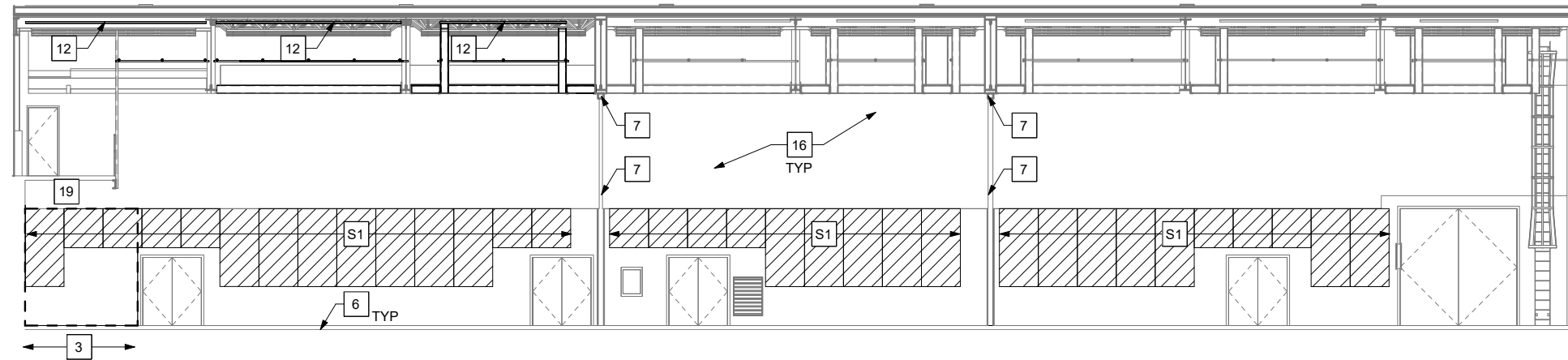
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CBJ Project No. BE22-204
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SHEET TITLE
WALL SECTIONS

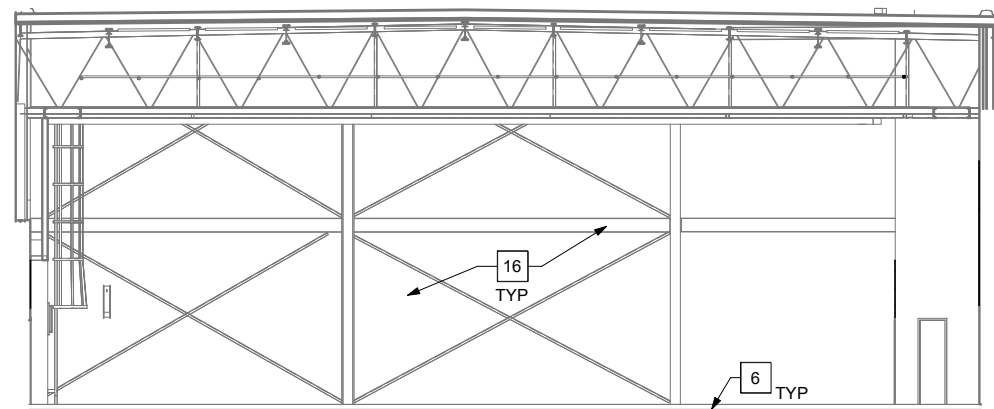
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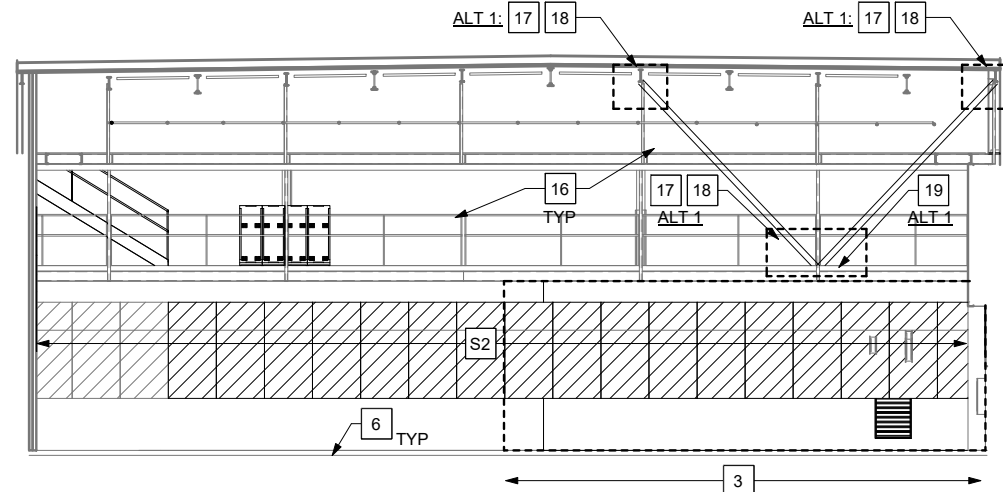
1 Int. Elevation - Ballrooms North Wall

SCALE: 0 4' 8' 16'



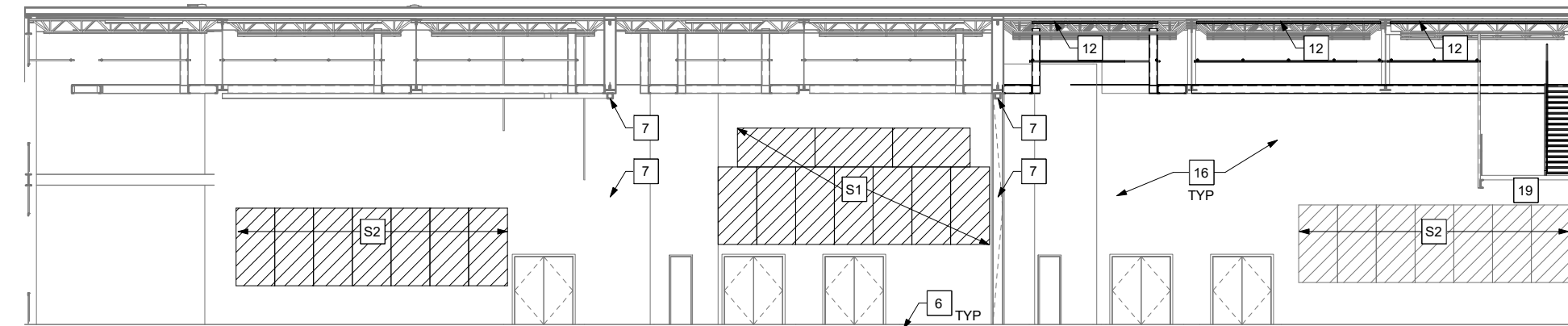
2 Int. Elevation - Ballrooms East Wall

SCALE: 0 4' 8' 16'



3 Int. Elevation - Ballrooms West Wall

SCALE: 0 4' 8' 16'



4 Int. Elevation - Ballrooms South Wall

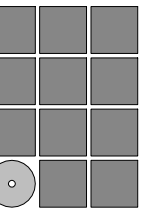
SCALE: 0 4' 8' 16'

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SHEET NOTES:

- S1 BASE BID: REPLACE ACOUSTIC WALL PANELS
- S2 ALT 2: REPLACE ACOUSTIC WALL PANELS. BASE BID: CAREFULLY REMOVE AND STORE ACOUSTIC WALL PANELS DURING CONSTRUCTION AND PAINTING. REINSTALL.



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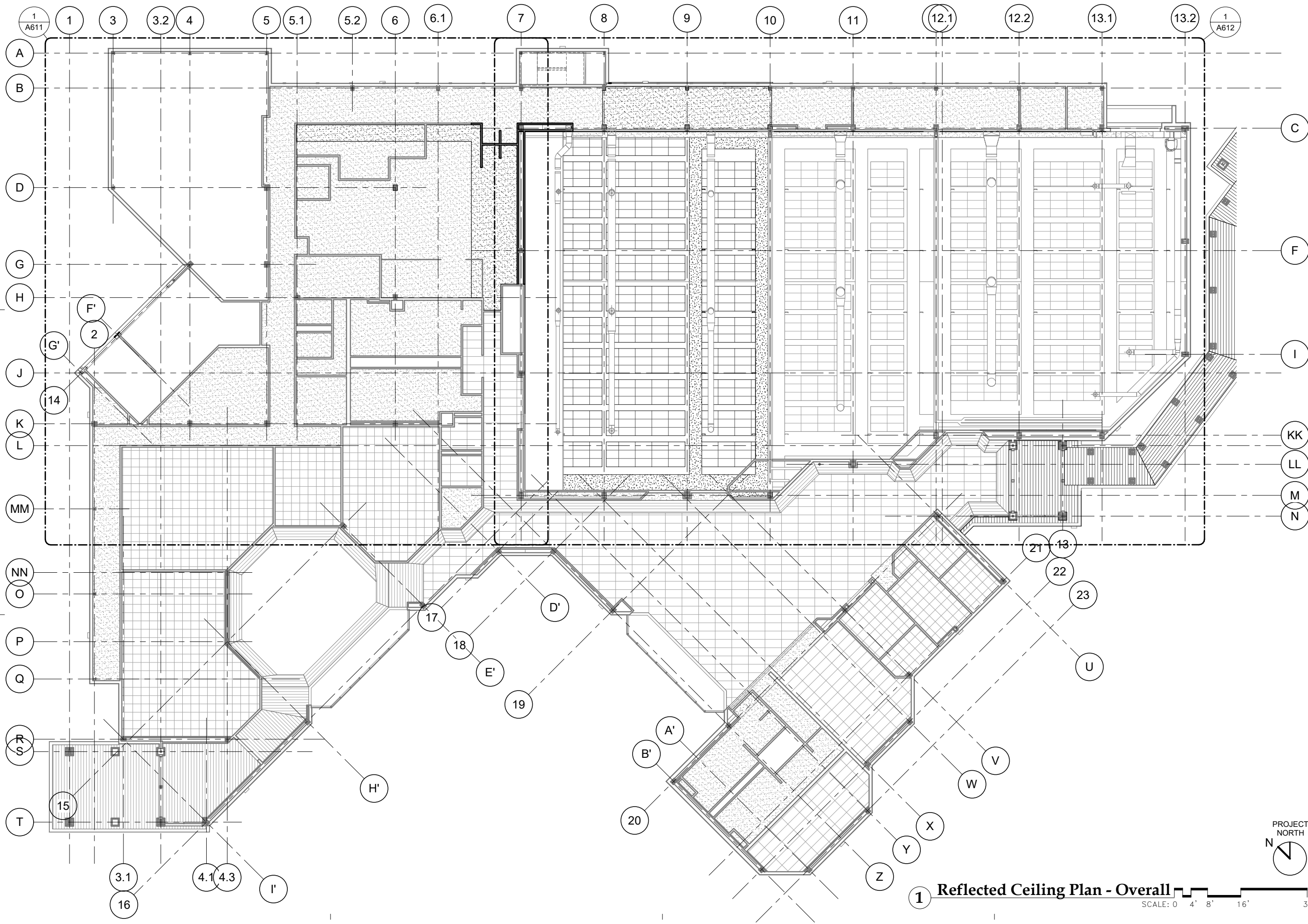


SHEET TITLE
INTERIOR ELEVATIONS

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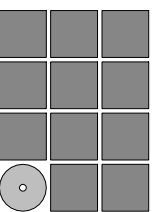
A501

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1 Reflected Ceiling Plan - Overall

SCALE: 0 4' 8' 16' 32'



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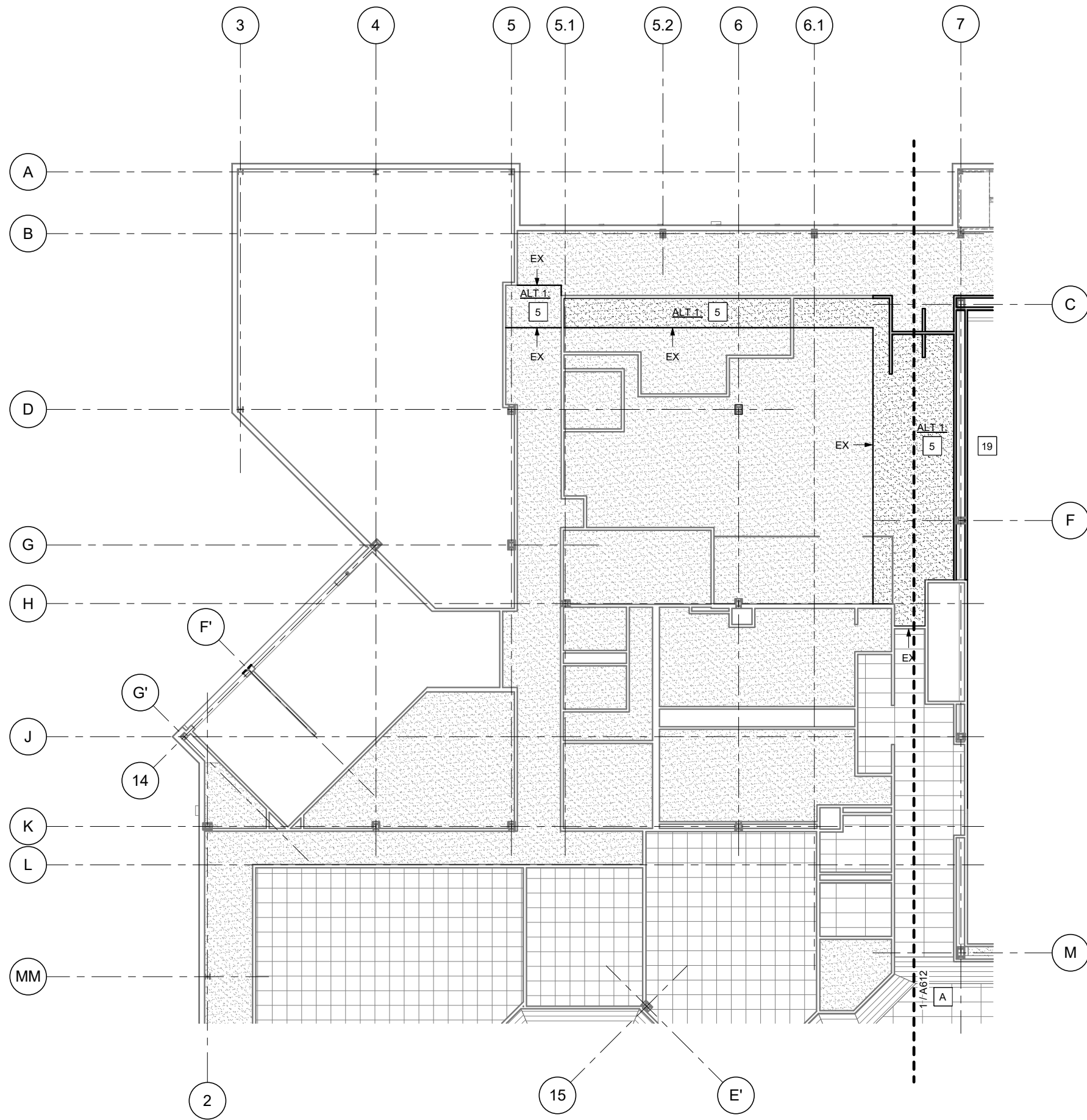
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REFLECTED CEILING PLAN - OVERALL

DATE: June 14, 2022
FILE: 20015

A601

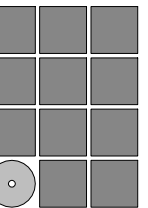
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1 1st Floor Reflected Ceiling Plan - Enlarged NW
 SCALE: 0 4' 8' 16'

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- 14** DOOR IN BULKHEAD AT CATWALK LEVEL
- 15** EX DUCTWORK, SEE MECH. PAINT.
- 16** PATCH AND PAINT WALLS. PAINT ALL EXPOSED ITEMS, INCLUDING STRUCTURAL TRUSSES AND FRAMING, DOORS AND FRAMES, ROOF DECK, CATWALKS, PIPING, RAILINGS, CONDUIT, ETC. DO NOT PAINT PREFINISHED ITEMS INCLUDING LIGHTS, ELECTRONIC EQUIPMENT, AND AV EQUIPMENT. DO NOT PAINT ACP OR ACOUSTIC WALL PANELS.
- 17** ALT 1: PATCH EXTERIOR WALLS WHERE REQUIRED BY DEMO AND STRUCTURAL WORK. MATCH CONSTRUCTION SEE 1/A803
- 18** PATCH ROOFING WHERE REQUIRED BY DEMO AND STRUCTURAL WORK. MATCH CONSTRUCTION, SEE 1/A801 SIM STEEL DECKED
- 19** PATCH CONC. FLOOR AND GWB CEILING AT BALCONY AS REQUIRED BY WORK, SEE STRUCT.
- 20** CAREFULLY PROTECT EX. ROOF MEMBRANE. INSPECT AFTER CONSTRUCTION IS COMPLETE AND REPAIR ANY DAMAGE.



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**CITY AND BOROUGH OF JUNEAU
CENTENNIAL HALL
BALLROOM RENOVATION**
 CBJ Project No. BE22-204
 Juneau, Alaska

Construction Documents

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SHEET TITLE

**1st FLOOR
REFLECTED CEILING
PLAN - ENLARGED
NW**

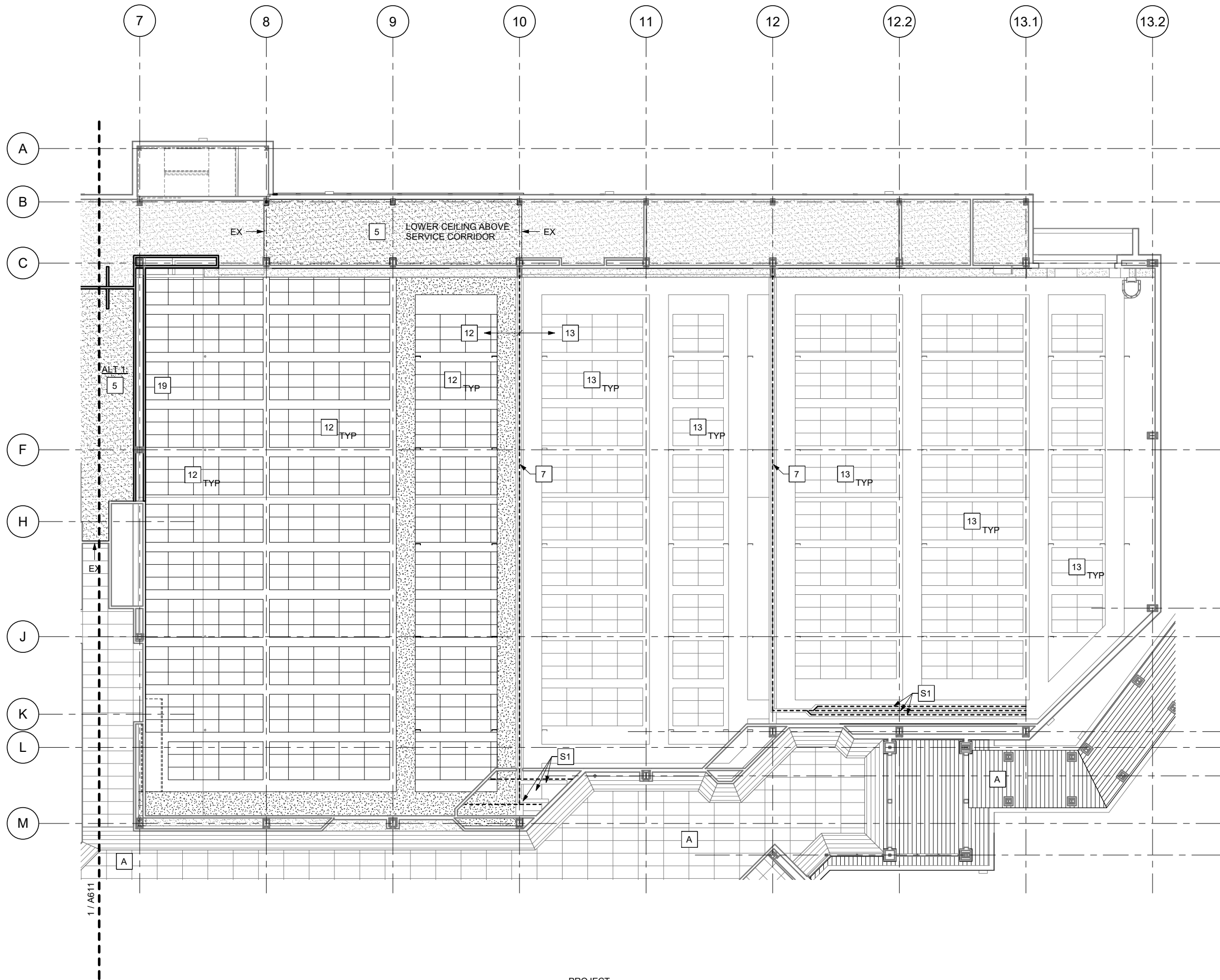
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PROJECT NORTH



A611

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1 Reflected Ceiling Plan - Enlarged Ballrooms

SCALE: 0 4' 8' 16'



KEYNOTES:

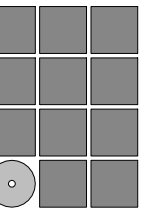
- A LIMITED OR NO WORK. PROTECT FINISHES AND KEEP AREA FREE FROM DUST AND CONSTRUCTION MATERIALS.
- 1 PATCH AND PAINT FINISHES AT REMOVED TEMPORARY PARTITION AS REQ'D FOR SEAMLESS APPEARANCE.
- 2 ALT 1: CONCRETE SLAB OVER FOOTINGS, SEE STRUCT. FLOORING TO MATCH ADJACENT.
- 3 ALT 1: WALLS AND DOORS REPLACED OVER STRUCTURAL BRACING AND SLAB, SEE STRUCT.
- 4 NOT USED
- 5 SUSPENDED GWB CEILING REPLACED IN AREAS DEMO'D FOR MECH AND STRUCT. WORK. PATCH TO EXISTING.
- 6 MOISTURE MITIGATION SYSTEM AND 1-1/2" LEVELING COMPOUND THROUGHOUT BALLROOMS.
- 7 REPLACED OPERABLE WALL TRACK AND SEALS, PATCH GWB FINISHES AT BULKHEADS
- 8 REPLACED OPERABLE WALLS (OPERABLE WALL 1: 72' X 24'H, OPERABLE WALL 2: 80' X 24'H). REPLACED STEEL TRACK BOLTED TO ROOF STRUCTURE, SEE 6/A803.
- 9 ACOUSTIC WALL PANELS.
- 10 DOOR AND FRAME. PATCH EXISTING FINISHES.
- 11 MEMBRANE ROOFING OVER COVER BOARD AND RIGID INSULATION OVER REVISED FRAMING AND ROOF DECK, SEE STRUCT. RAISED CURBS AT MECHANICAL EQUIPMENT, SEE MECH.
- 12 ACP (PAINTED BLACK) AND ACP GRID 6" BELOW ROOF DECK, FIT AROUND STRUCTURE AND CATWALKS
- 13 ACP (PAINTED BLACK) IN EXISTING ACP GRID. COORDINATE WITH ELECT AND AV WORK.
- 14 DOOR IN BULKHEAD AT CATWALK LEVEL
- 15 EX DUCTWORK, SEE MECH. PAINT.
- 16 PATCH AND PAINT WALLS. PAINT ALL EXPOSED ITEMS, INCLUDING STRUCTURAL TRUSSES AND FRAMING, DOORS AND FRAMES, ROOF DECK, CATWALKS, PIPING, RAILINGS, CONDUIT, ETC. DO NOT PAINT PREFINISHED ITEMS INCLUDING LIGHTS, ELECTRONIC EQUIPMENT, AND AV EQUIPMENT. DO NOT PAINT ACP OR ACOUSTIC WALL PANELS.
- 17 ALT 1: PATCH EXTERIOR WALLS WHERE REQUIRED BY DEMO AND STRUCTURAL WORK. MATCH CONSTRUCTION SEE 1/A803
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- 19 PATCH CONC. FLOOR AND GWB CEILING AT BALCONY AS REQUIRED BY WORK, SEE STRUCT.
- 20 CAREFULLY PROTECT EX. ROOF MEMBRANE. INSPECT AFTER CONSTRUCTION IS COMPLETE AND REPAIR ANY DAMAGE.

SHEET NOTES:

- GENERAL NOTES:**
- 1. COORDINATE ARCHITECTURAL, AV AND ELECTRICAL WORK IN CEILINGS, SEE AV AN ELECTRICAL RCPS.
 - 2. COORDINATE ACP GRIDS WITH STRUCTURAL FRAMING.

SHEET NOTES:

- S1 REPLACE OPERABLE PANEL PARTITION STACKING TRACKS. COORDINATE NEW LAYOUT WITH MANUFACTURER



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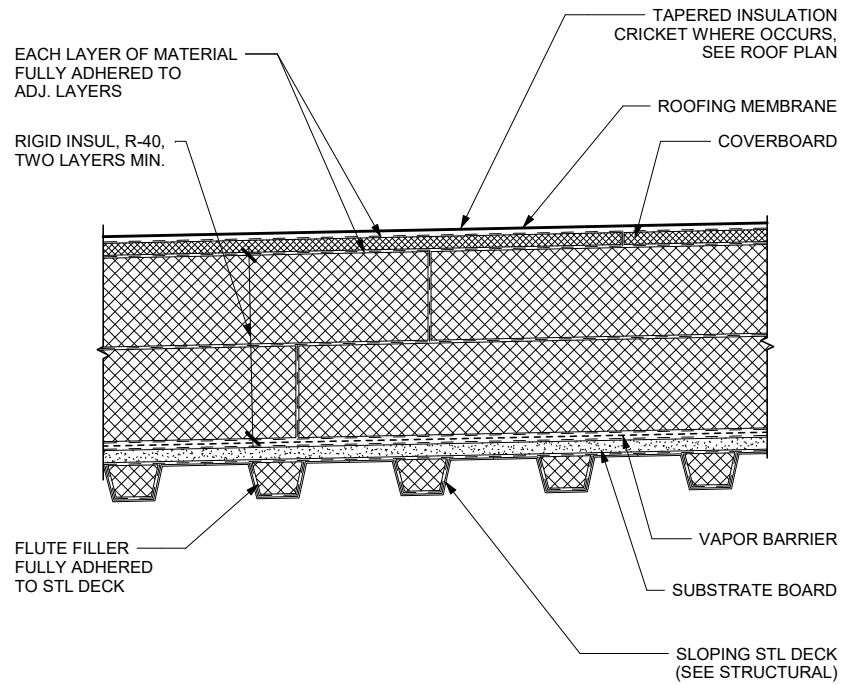


SHEET TITLE
REFLECTED CEILING PLAN - ENLARGED BALLROOMS

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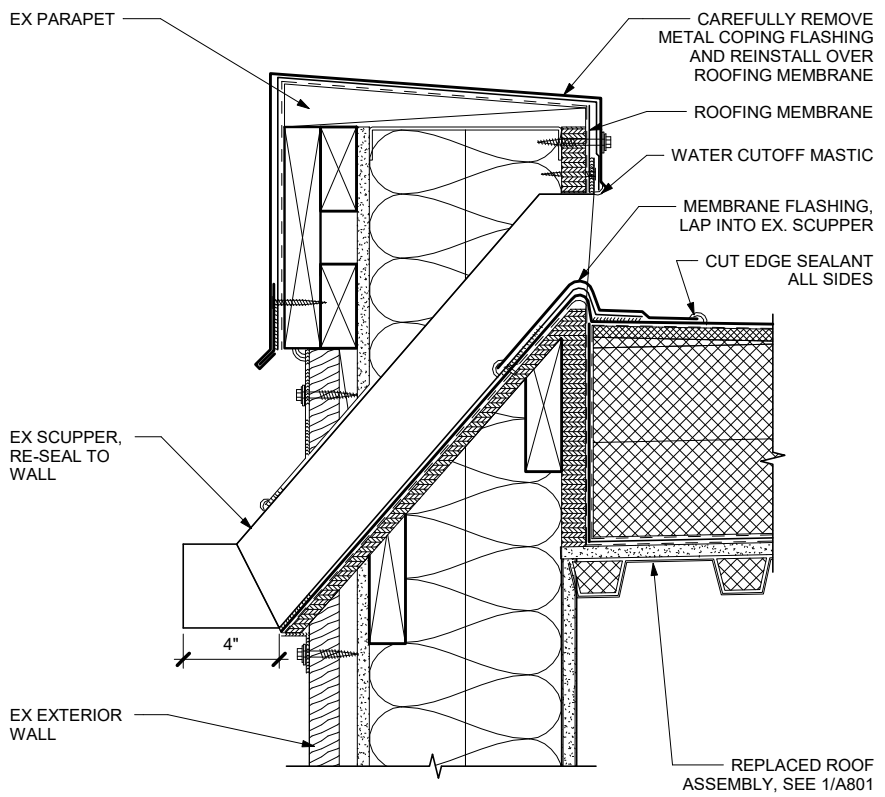
A612

GENERAL NOTE: ALL WOOD USED ON PROJECT, INCLUDING BLOCKING, FRAMING, SIDING, ETC. TO BE FIRE TREATED



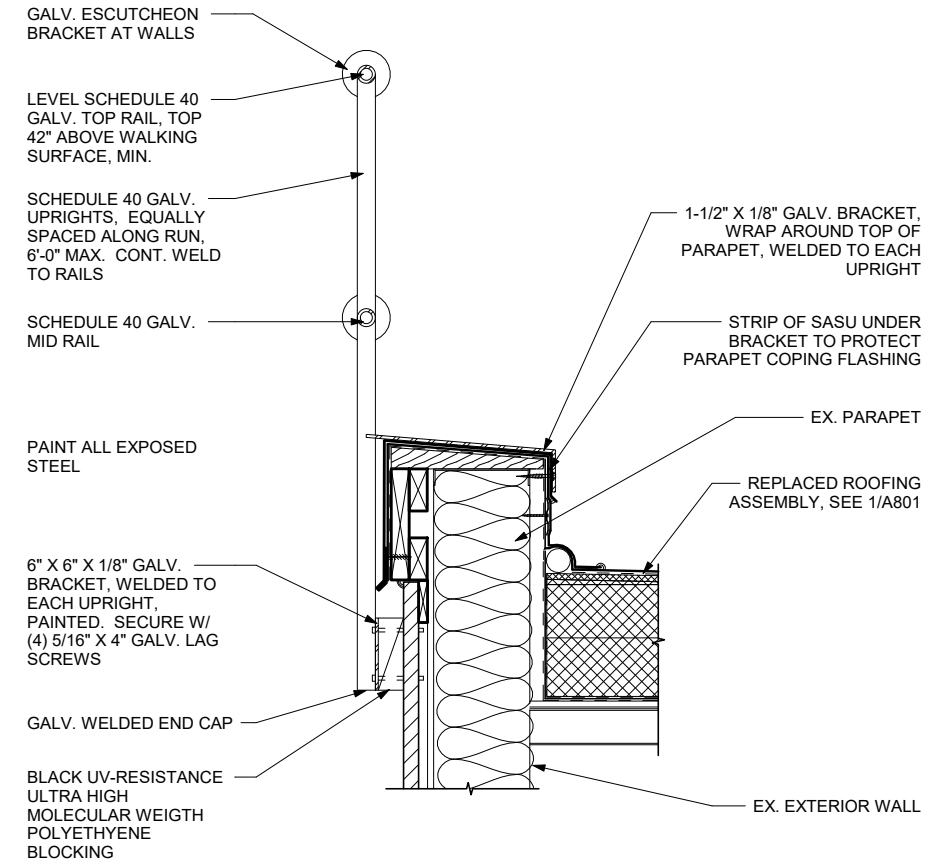
1 Roof Assembly - Typ.

SCALE: 0 3" 6" 12"



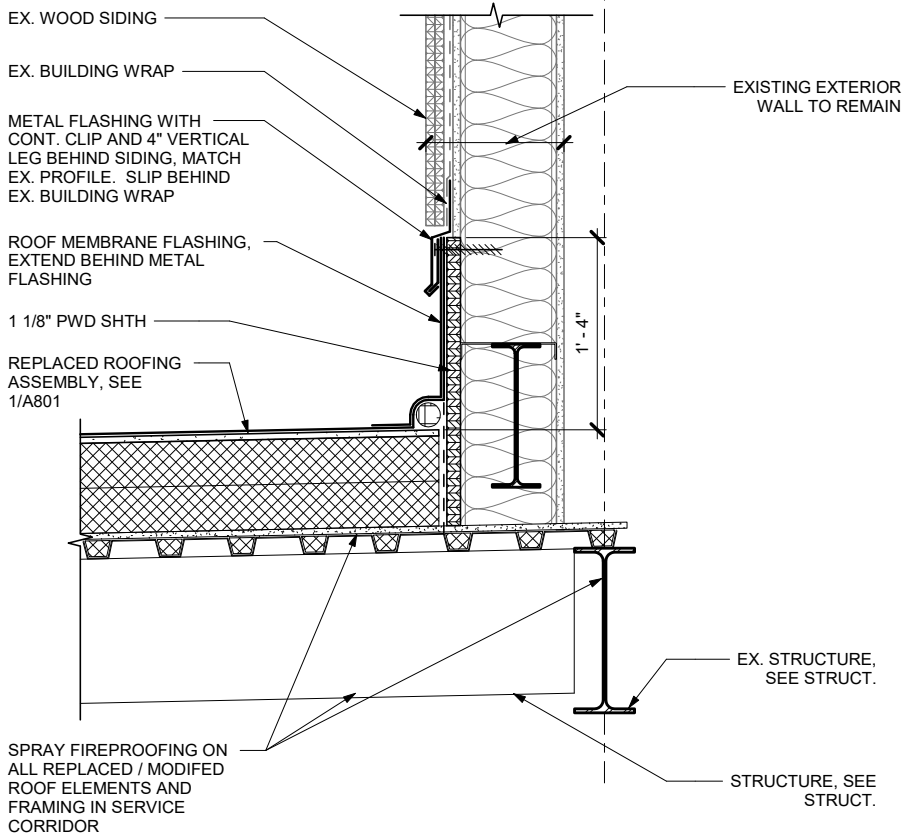
3 Replaced Roof Scupper

SCALE: 0 3" 6" 12"



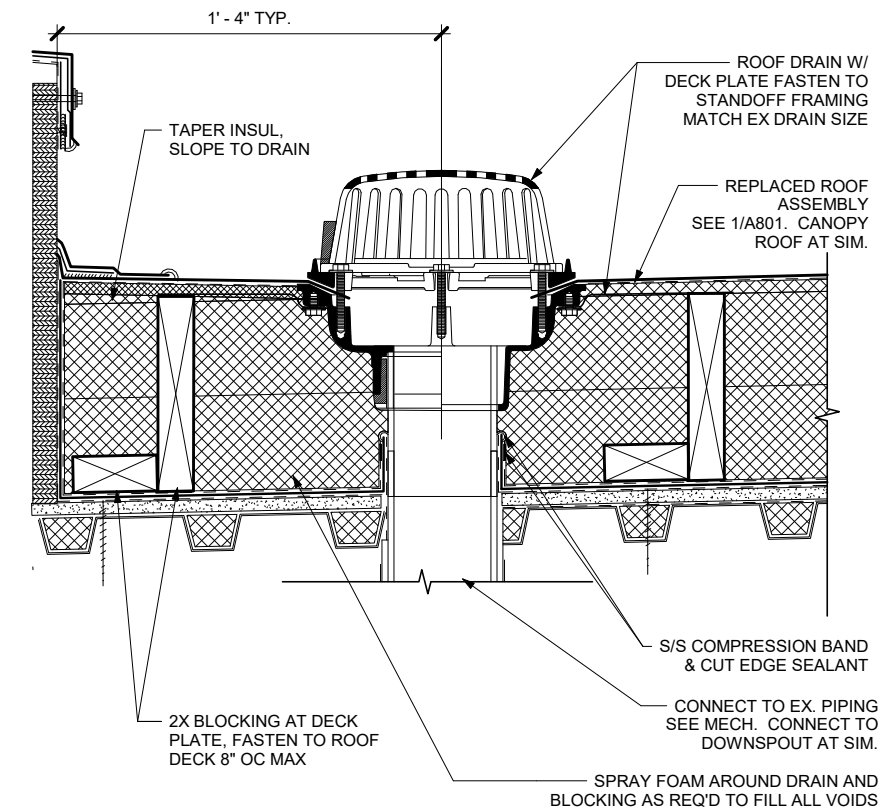
5 Replaced Roof Parapet / Guardrail

SCALE: 0 6" 1' 2'



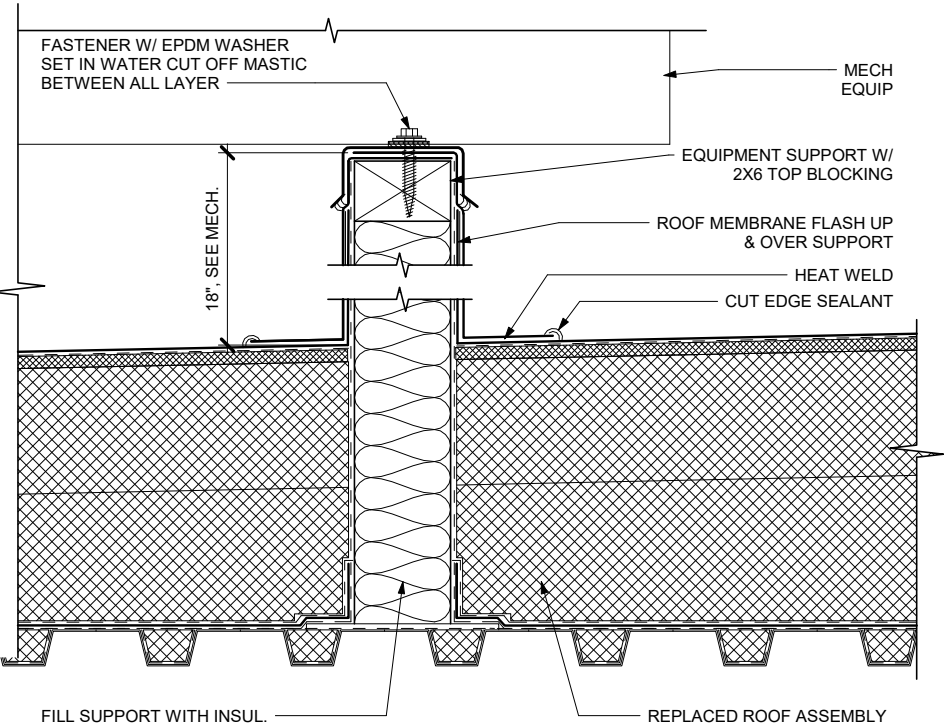
2 Replaced Roof to Wall

SCALE: 0 6" 1' 2'



4 Roof Drain

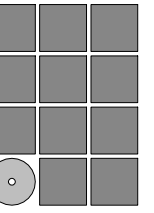
SCALE: 0 3" 6" 12"



6 Equipment Supports

SCALE: 0 3" 6" 12"

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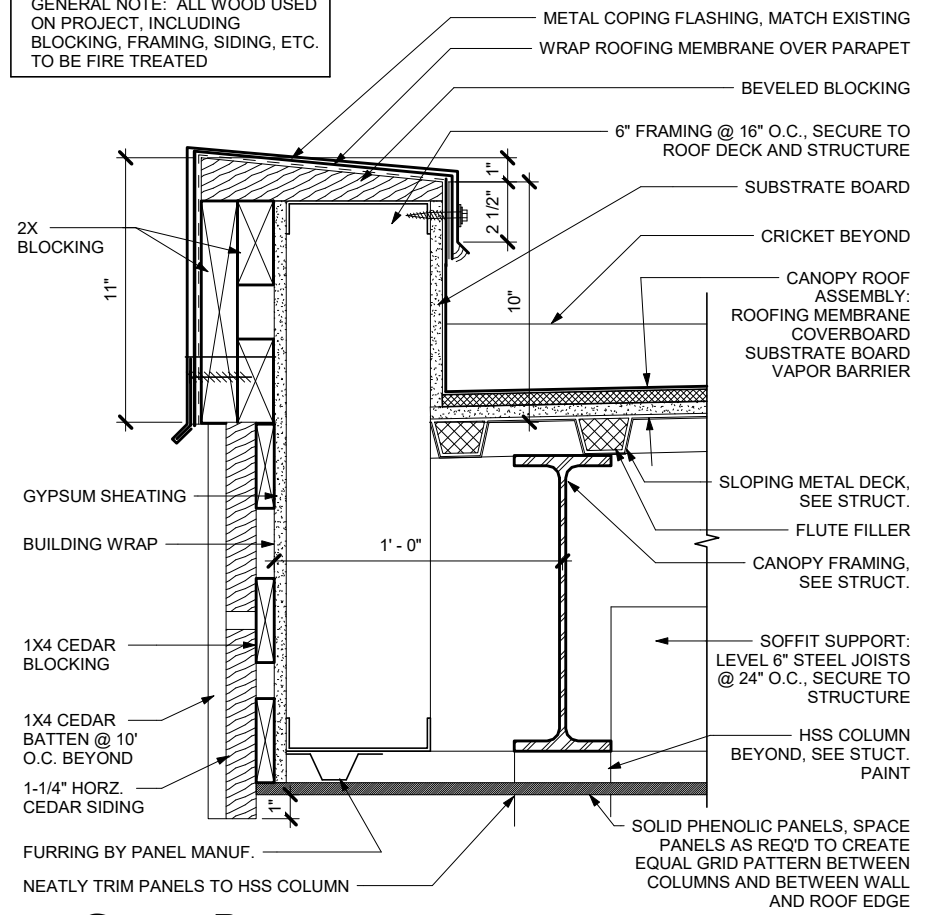
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CBJ Project No. BE22-204
Juneau, Alaska**

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SHEET TITLE EXTERIOR DETAILS	

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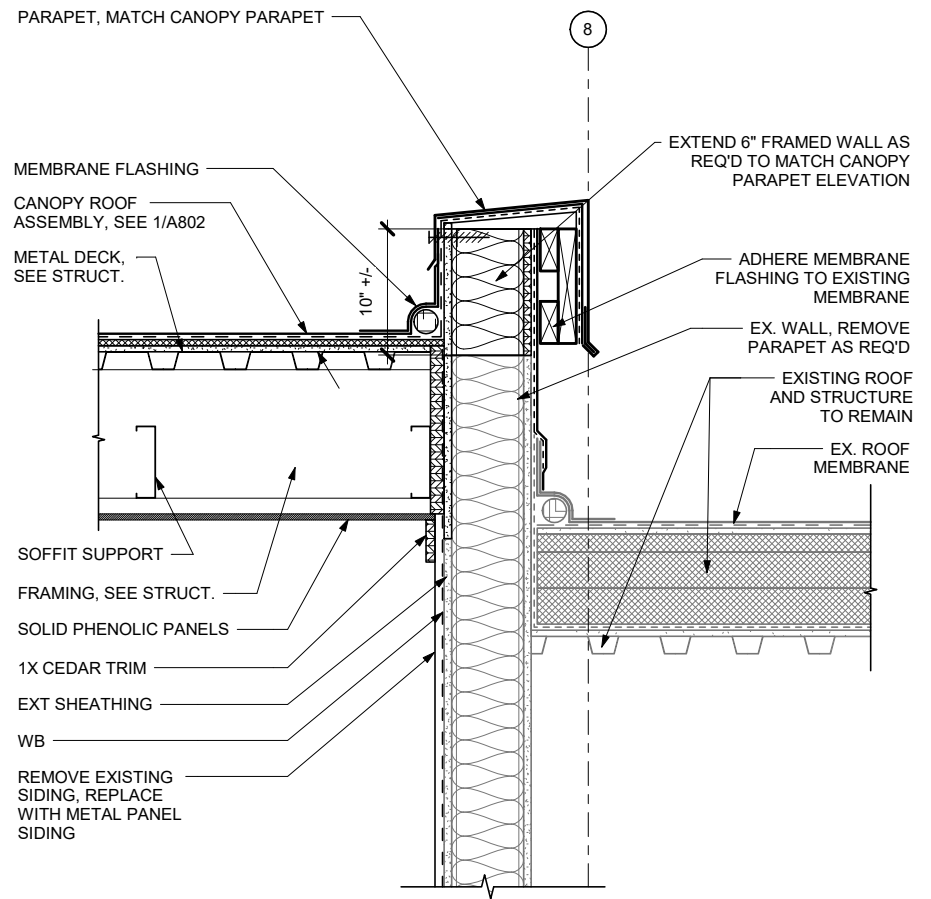
A801

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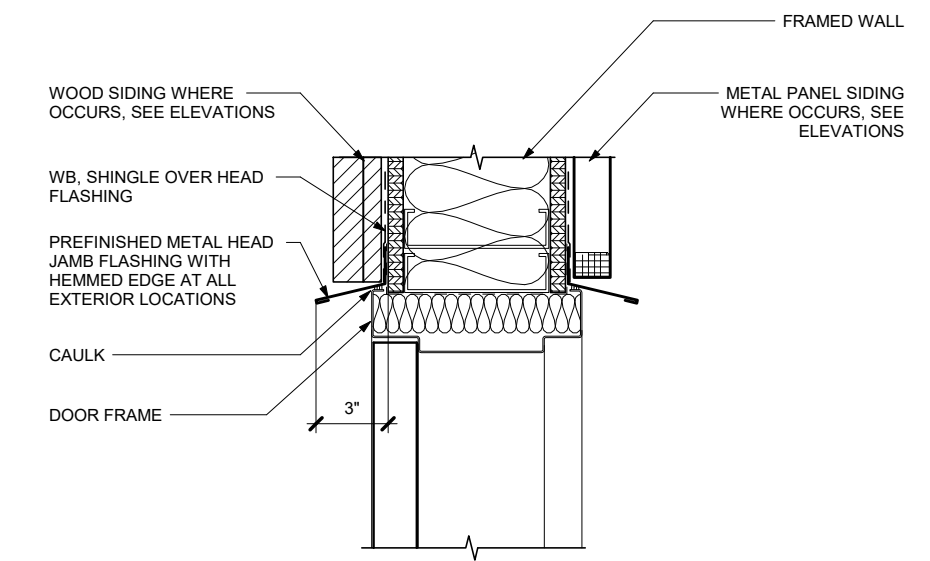
1 Canopy Parapet

SCALE: 0 3" 6" 12"



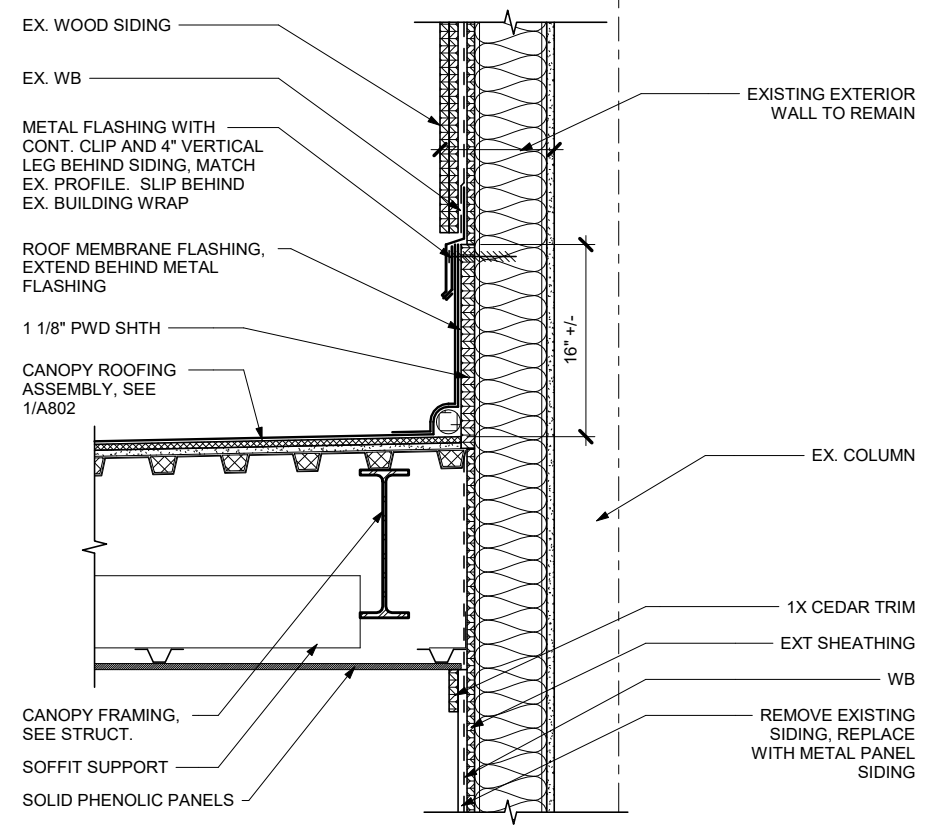
3 Canopy Roof to Wall @ Grid 8

SCALE: 0 6" 1' 2"



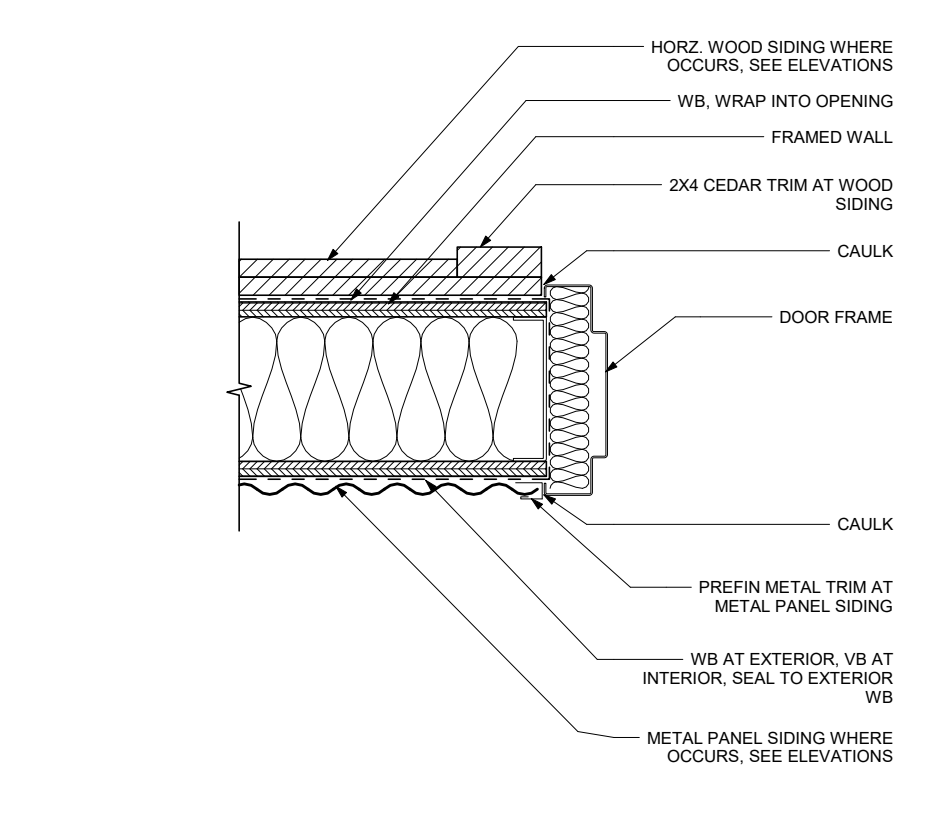
5 Door Head

SCALE: 0 3" 6" 12"



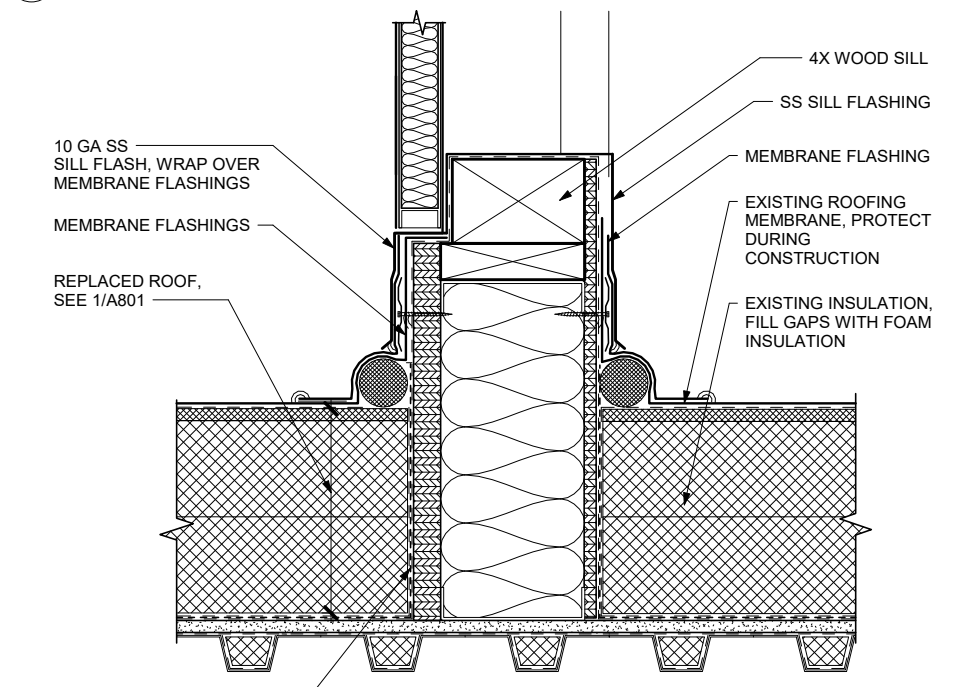
2 Canopy Roof to Wall

SCALE: 0 6" 1' 2"



4 Door Jamb

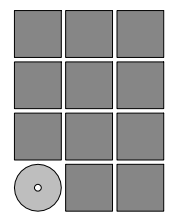
SCALE: 0 3" 6" 12"



6 Exterior Door Sill

SCALE: 0 3" 6" 12"

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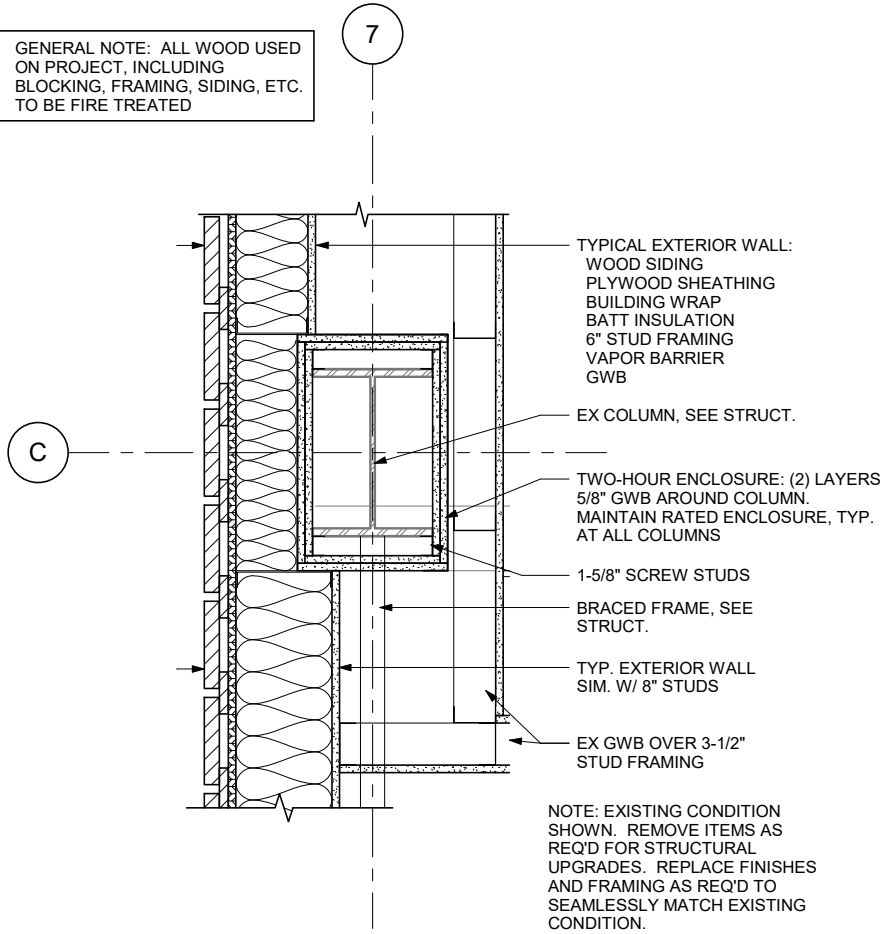
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EXTERIOR DETAILS

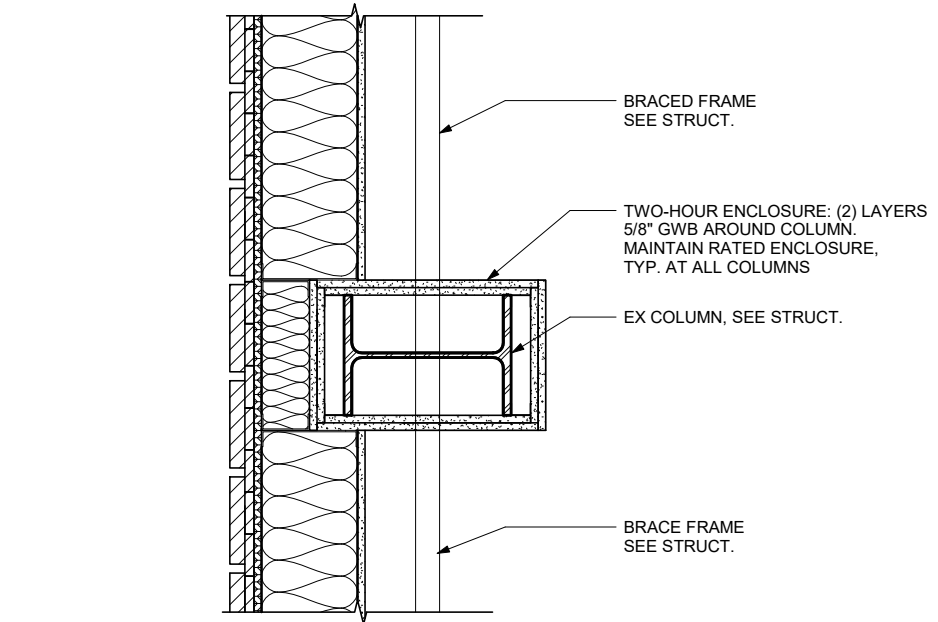
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FILE: 20015

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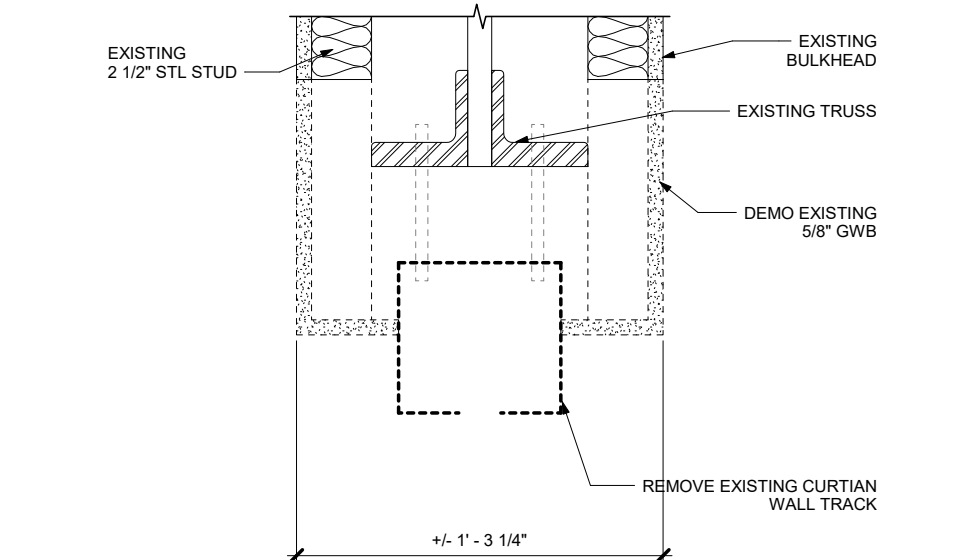
GENERAL NOTE: ALL WOOD USED ON PROJECT, INCLUDING BLOCKING, FRAMING, SIDING, ETC. TO BE FIRE TREATED



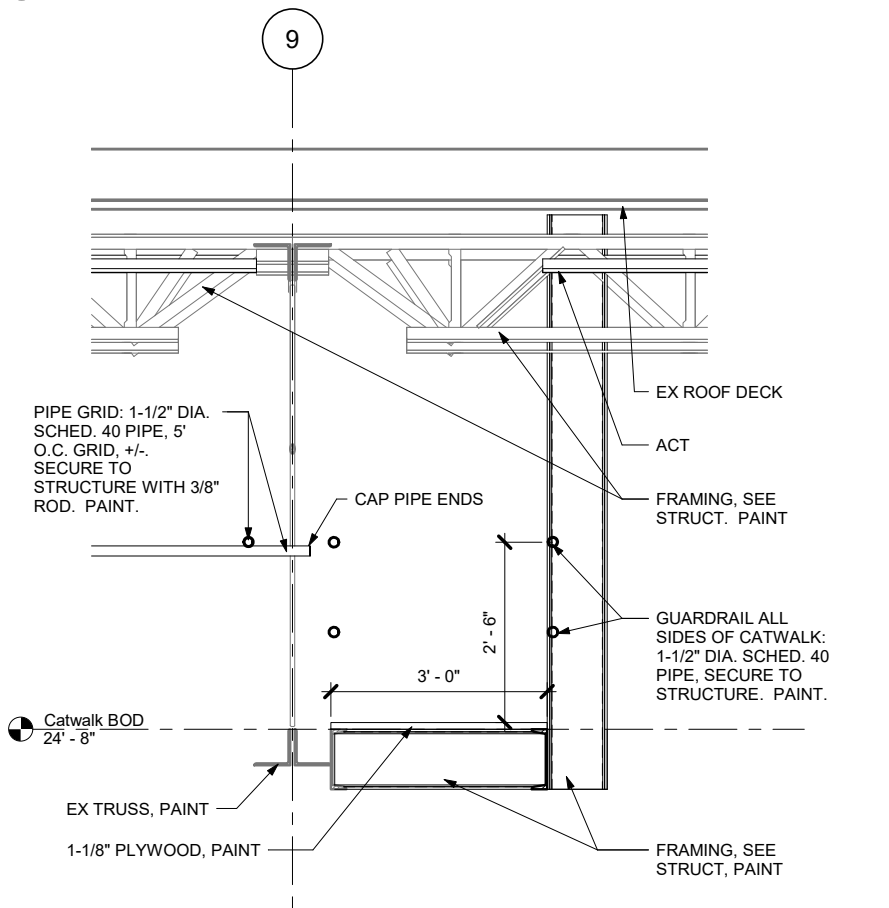
1 Column @ C/7 - 2nd Floor SCALE: 0 6" 1' 2'



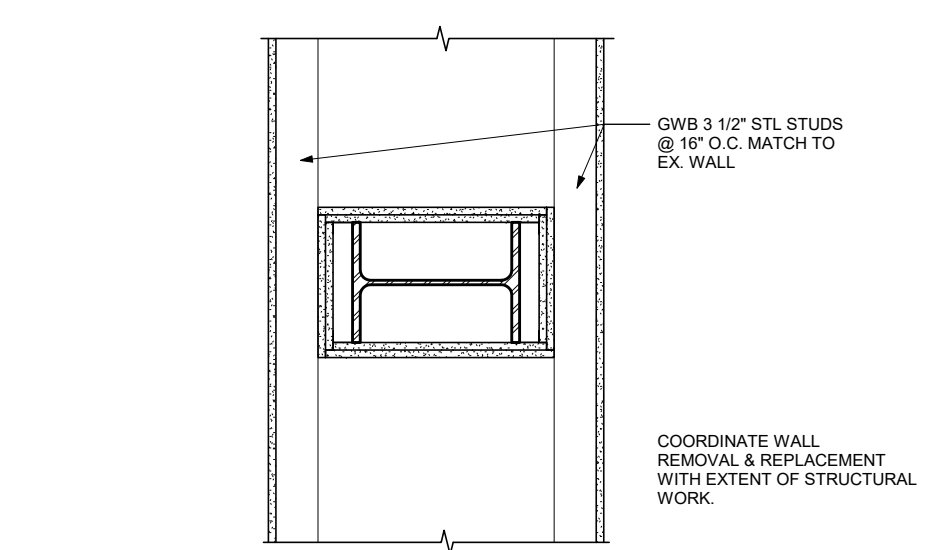
3 Column @ F/7-2nd Floor SCALE: 0 6" 1' 2'



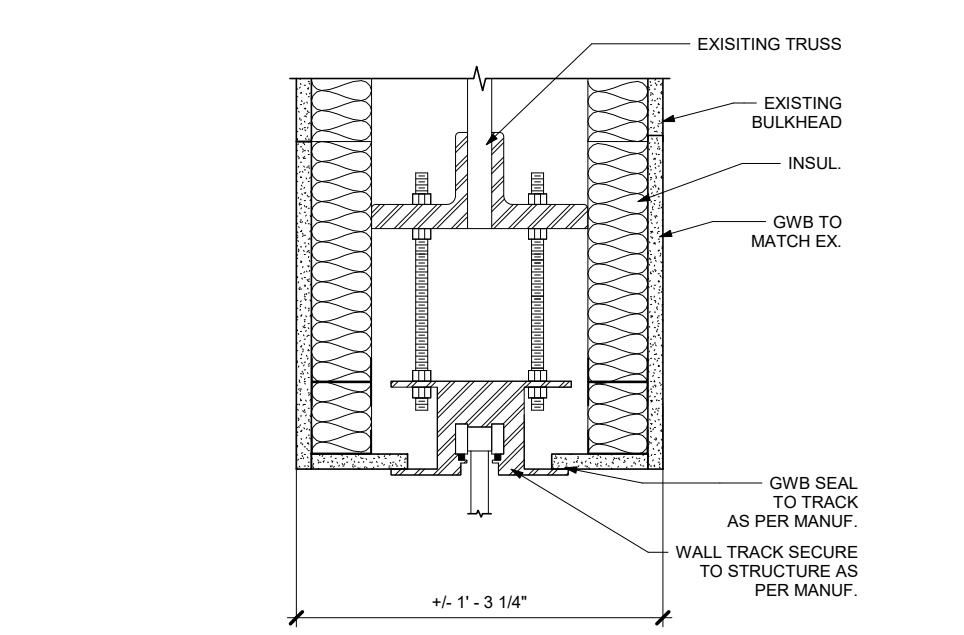
5 Track @ Bulkhead-Demo SCALE: 0 3" 6" 12"



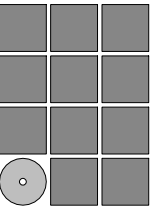
2 Catwalk Detail SCALE: 0 6" 1' 2' 4'



4 Column @ F/7-1st Floor SCALE: 0 6" 1' 2'



6 Track @ Bulkhead-Reno SCALE: 0 3" 6" 12"



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A803

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STRUCTURAL GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE (IBC) 2018 AND ITS REFERENCED STANDARDS, HEREIN REFERRED TO AS "THE CODE".
- WORK SHOWN IN THESE DRAWINGS REPRESENTS THE ADDITION OF A CATWALK SYSTEM, NEW MECHANICAL UNITS, AND AN UPGRADE TO THE BRACED FRAMES ON GRID 7. THE BRACED FRAME UPGRADE IS INTENDED TO SUPPORT A FUTURE SECOND STORY OVER THE EXISTING LOW ROOF BETWEEN GRIDS 1 TO 7. THE UPGRADES IN THESE DRAWINGS TO THE GRID 7 BRACED FRAMES ARE BASED ON AN ASSUMED SECOND STORY. THE SECOND STORY BUILDING DESIGN SHALL BE IN ACCORDANCE WITH THE CODE AND CONSIDER ALL ELEMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH ALL EXISTING CONDITIONS AND VERIFICATION OF EXISTING CONSTRUCTION, INCLUDING ELEVATIONS AND DIMENSIONS. ALL EXISTING BUILDING INFORMATION SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION. IF EXISTING CONDITIONS VARY FROM THE REQUIREMENTS OF THE CONTRACT, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD BEFORE WORK STARTS.
- THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LIVE LOADS. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS OF CONSTRUCTION, INCLUDING ANY AND ALL TEMPORARY SHORING OR BRACING THAT MAY BE REQUIRED.
- THE FOLLOWING ITEMS ARE PART OF THE SEISMIC LOAD RESISTING SYSTEM (SLRS):
 - ITEMS TAGGED SLRS, BRACED FRAMES, DRAG BEAMS AND ASSOCIATED ITEMS.

STRUCTURAL DESIGN DATA

- LIVE LOADS:
 - ROOF
 - TYPICAL $L_L = 20$ PSF
 - FLOOR
 - CATWALK $L_L = 40$ PSF
 - STAIRS AND FIRST FLOOR CORRIDORS $L_L = 100$ PSF
 - FUTURE SECOND FLOOR (OFFICE) $L_L = 50$ PSF
 - EXISTING MECHANICAL ROOMS $L_L = 100$ PSF
- SNOW LOADS:
 - GROUND SNOW LOAD $P_g = 70$ PSF
 - EXPOSURE FACTOR $C_e = 1.0$
 - THERMAL FACTOR $C_t = 1.0$
 - IMPORTANCE FACTOR $I = 1.1$
 - DESIGN ROOF SNOW LOAD (BALANCED) $P_s = 54$ PSF
- WIND LOADS:
 - BASIC WIND SPEED $V = 150$ MPH
 - RISK CATEGORY III
 - WIND EXPOSURE CATEGORY D
 - INTERNAL PRESSURE COEFFICIENT $G C_{pi} = \pm 0.18$
 - TOPOGRAPHIC EFFECTS $K_{zt} = 1.00$
 - COMPONENTS & CLADDING LOADS

ZONE	10 SQ FT	50 SQ FT	100 SQ FT
CANOPY WALLS	+62 -114 +56 -70 +53 -65		
CANOPY ROOF	+62 -132 +56 -104 +53 -92		

- WIND LOADS ARE LISTED AT ULTIMATE LEVELS, MULTIPLY ABOVE WIND PRESSURES BY A FACTOR OF 0.6 TO OBTAIN SERVICE LEVEL WIND PRESSURES.
- SEISMIC LOAD RESISTING SYSTEM:
 - SEISMIC IMPORTANCE FACTOR $I = 1.25$
 - RISK CATEGORY III
 - SITE CLASS D
 - SHORT-PERIOD DESIGN ACCELERATION $S_{DS} = 0.487g$
 - 1-SECOND DESIGN ACCELERATION $S_{D1} = 0.487g$
 - SEISMIC RESPONSE COEFFICIENT $C_s = 0.187g$
 - SEISMIC DESIGN CATEGORY D
 - ANALYSIS PROCEDURE ELF
 - RESPONSE MODIFICATION FACTOR $R = 3.25$ (ORDINARY CONCENTRICALLY BRACED FRAME (OCBF))
 - SEISMIC BASE SHEAR:
 - EXISTING BUILDING $V = 553$ KIP
 - CURRENT PHASE (THESE DWGS) $V = 505$ KIP
 - FUTURE ADDITION $V = 636$ KIP

STRUCTURAL FOUNDATION NOTES

- THE FOUNDATION DESIGN IS BASED ON THE EXISTING BUILDING STRUCTURAL DRAWINGS, WHICH REFERENCE SOILS REPORTS BY R&M, DATED 1981. THE ALLOWABLE SOIL BEARING CAPACITY IS:

3,000	PSF (STATIC)
4,000	PSF (TRANSIENT)
- ALL FOOTING SUBGRADES AS REQUIRED AND ALL SLAB SUBGRADES INCLUDING PIT SLABS SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. ALL BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS, FOOTINGS, CAPS, MATS, WALLS AND PITS SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY.
- ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM SUBGRADE AND BACKFILL AREAS AND BACKFILLED WITH ACCEPTABLE GRANULAR FILL, COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY.
- CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADES BEFORE AND AFTER PLACING OF CONCRETE UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE.
- ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR GROUT HAS ATTAINED FULL DESIGN STRENGTH. CONTRACTORS SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING.
- THE CONCRETE FOR EACH ISOLATED FOOTING SHALL BE PLACED IN ONE (1) CONTINUOUS PLACEMENT.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL SEASONAL FROST HAS THAWED OR BEEN REMOVED.

STRUCTURAL CONCRETE NOTES

- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO CHAPTER 19 OF THE CODE AND THE PROVISIONS IN ACI 318.
- SUITABLE CONCRETE MIXES SHALL BE PREPARED BY A QUALIFIED TESTING LABORATORY AND APPROVED BY THE ENGINEER OF RECORD.
- SCHEDULE OF CAST-IN-PLACE CONCRETE 28 DAY COMPRESSIVE STRENGTHS AND TYPES:

CONDITION	STRENGTH (PSI)	EXPOSURE CATEGORY	W/C RATIO	AIR ENTRAINMENT
FOUNDATIONS	4,500	F2, S0, C1	0.45	4% - 7%
- ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER SHALL CONTAIN AN APPROVED AIR-ENTRAINING ADMIXTURE IN CONFORMANCE WITH ASTM C-260.
- ALL REINFORCING BARS SHALL BE DEFORMED BAR CONFORMING TO THE STANDARDS OF ASTM A615, GRADE 60.
- WHERE INDICATED ON PLANS, ALL WELDED WIRE FABRIC SHALL CONFORM TO THE STANDARDS OF ASTM A185. A MINIMUM 8 INCH LAP SHALL BE PROVIDED FOR SIDE AND END LAPS. WELDED WIRE FABRIC SHALL BE SUPPORTED ON APPROVED CHAIRS.
- CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO FABRICATION.
- REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE ON PLANS.
- DESIGN, REMOVAL AND RESHORING OF FORMWORK SHALL BE IN ACCORDANCE WITH ACI 318, CHP 6.
- WHERE REQUIRED, DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING.
- MAXIMUM SLUMP SHALL BE 8 INCHES, ± 1 " FOR CONCRETE WITH VERIFIED SLUMP OF 3 INCHES ± 1 INCH BEFORE ADDING HIGH-RANGE WATER-REDUCING ADMIXTURE OR PLASTICIZING ADMIXTURE AT PROJECT SITE.
- MINIMUM CONCRETE COVER SHALL BE:
 - 3" FOR CONCRETE CAST AGAINST THE EARTH.
 - 1 1/2" FOR BARS EXPOSED TO WEATHER AND BEAMS AND COLUMNS.
 - 3/4" FOR SLABS.

POST-INSTALLED CONCRETE ANCHOR NOTES

- THE SPECIFIC MANUFACTURER, SIZE AND EMBEDMENT OF POST-INSTALLED ANCHORS SHALL BE PROVIDED AS INDICATED ON THE PLANS. ANY SUBSTITUTION OF BRAND, TYPE OR SIZE SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.
- ALL POST-INSTALLED ANCHORS SHALL MEET MINIMUM EMBEDMENT, EDGE DISTANCE AND SPACING REQUIREMENTS AS DIRECTED IN THE APPLICABLE ICC-ES REPORT.
- EPOXY FOR ANCHORS AND REBAR EMBEDDED INTO CURED CONCRETE SHALL BE HILTI RE-500, OR APPROVED EQUAL, UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL SHALL BE CONSISTENT WITH THE FOLLOWING STANDARDS, UNLESS NOTED OTHERWISE:
 - STRUCTURAL WF SHAPES ($F_y = 50$ ksi) ASTM A992
 - STRUCTURAL HSS TUBES ($F_y = 50$ KSI) ASTM A500, GRADE C
 - STRUCTURAL STEEL PIPE ($F_y = 35$ KSI) ASTM A53, GRADE B
 - STEEL PLATES & MISC ($F_y = 36$ KSI) ASTM A36
- ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F3125 GRADE A325 OR A490. ALL BOLTS SHALL BE 3/4 INCH DIAMETER, UNLESS NOTED OTHERWISE.
- ANCHOR RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554 GR. 36, UNLESS NOTED OTHERWISE. ALL ANCHOR RODS SHALL BE 3/4" ϕ UNLESS NOTED OTHERWISE.
- ALL WELDING ELECTRODES SHALL BE E70XX AND HAVE A CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT -20° F AND 40 FT-LBS AT 70° F.
- ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS AND CODES, LATEST EDITION.
- ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL CONFORM TO THE AWS "D1.1 STRUCTURAL WELDING CODE-STEEL", LATEST EDITION.
- ALL CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS USING A MINIMUM OF TWO HIGH-STRENGTH BOLTS IN BEARING TYPE CONNECTIONS WITH THREADS EXCLUDED FROM THE SHEAR PLANE IN SINGLE SHEAR, UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED TO THE SNUG-TIGHT CONDITION, SUCH THAT ALL PLIES ARE IN SNUG CONTACT.
- ALL BOLTED CONNECTIONS THAT ARE PART OF THE SEISMIC LOAD RESISTING SYSTEM (SLRS) SHALL BE SLIP-CRITICAL WITH FAYING SURFACES PREPARED AS REQUIRED FOR CLASS "A" OR BETTER SLIP-CRITICAL JOINTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCE. SPECIAL CONSIDERATION SHOULD BE GIVEN TO TEMPERATURE DIFFERENTIALS.
- THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- PROVIDE A 1/4" ϕ WEEP HOLE AT THE BASE OF ALL VERTICAL EXTERIOR HSS MEMBERS AND AT THE LOWEST POINT OF ALL EXTERIOR HORIZONTAL AND SLOPED HSS MEMBERS.
- THE FABRICATOR/ERECTOR SHALL SUBMIT TO THE ENGINEER, FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL.
- ALL EXTERIOR STEEL SHALL BE HOT DIPPED GALVANIZED. ALL EXTERIOR BOLTS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

STRUCTURAL COLD FORMED METAL NOTES

- ALL COLD FORMED SHEET METAL SHALL MEET THE MINIMUM REQUIREMENTS OF:
 - 54 mils (16 GA) & HEAVIER ASTM A446 GRADE D ($F_y = 50$ KSI)
 - 43 mils (18 GA) & LIGHTER ASTM A446 GRADE A ($F_y = 33$ KSI)
- ACCESSORIES: PROVIDE ALL ACCESSORIES, NOT SPECIFICALLY DETAILED IN THESE DRAWINGS, IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATION.
- ALL SELF-DRILLING SHEET METAL SCREWS SHALL PROTRUDE 1/4" THROUGH THE METAL STUD FRAMING. SCREWS SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- AS REQUIRED, PROVIDE A NON-SHRINK GROUT SURFACE FOR LEVELING OF THE BOTTOM TRACK.

STRUCTURAL STEEL DECK NOTES

- ALL METAL DECKING SHALL BE FABRICATED FROM STEEL TYPE ASTM A653, OR A1063, HAVING A MINIMUM YIELD STRENGTH OF 50,000 PSI. ALL DECKING SHALL BE HOT-DIPPED GALVANIZED. ALL ROOF METAL DECK SHALL BE FORMED WITH TELESCOPED ENDS TO LAP ENDS OF SHEETS A MINIMUM OF 2 INCHES.
- THE CONTRACTOR SHALL PROVIDE CHECKED SHOP DRAWINGS INDICATING LOCATION, GAGE AND SIZE OF EACH PIECE OF DECKING. THE DRAWINGS SHALL CLEARLY SHOW FASTENING DETAILS TO STRUCTURAL FRAMING AND SIDE LAP CONNECTION DETAILS.
- UNITS SHALL BE CONTINUOUS OVER THREE OR MORE SPANS, EXCEPT WHERE FRAMING DOES NOT PERMIT. SHOP DRAWINGS SHALL INDICATE WHERE SHORING MAY BE REQUIRED AT NON-CONTINUOUS SPANS. DECK SHALL BEAR 2" MIN AT ALL SUPPORTS.
- THE MINIMUM GAGE OF THE METAL DECK SHALL BE 20 GAGE, UNO.
- THE CONTRACTOR SHALL PROVIDE CHECKED SHOP DRAWINGS INDICATING EXACT LAYOUT OF STUDS FOR EACH BEAM TYPE, SPAN AND DECK TYPE.
- SHEAR STUDS SHALL BE WELDED THROUGH THE METAL DECK BY PRE QUALIFIED METHODS. IF THROUGH-DECK WELDING IS UNFEASIBLE, THE STUDS SHALL BE INSTALLED IN PRE PUNCHED HOLES IN THE DECK.
- WIND UPLIFT VALUES ARE SHOWN ON THE COMPONENT & CLADDING WIND PRESSURES TABLE ON SHEET S001.
- UNITS SHALL BE WELDED AS INDICATED ON THE PLAN AT INTERMEDIATE AND END BEARING STEEL SUPPORTS. ALL WELDING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.3.
- PROVIDE MINIMUM 20 GA SHEET METAL CLOSURES AT ALL SLAB OPENINGS AND SLAB EDGES AND CONTINUOUS DECK CLOSURE AT ALL DECK ENDS, UNO.
- PROVIDE, AS REQUIRED, ALL RIDGE AND VALLEY PLATES, COLUMN CLOSURES, CANT STRIPS, SUMP PLATES AT PIPING PENETRATIONS AND RECESSED SUMP PANS AT ALL ROOF DRAINS. PROVIDE SUPPLEMENTAL FRAMING AT OPENINGS AS REQUIRED FOR SUPPORT OF THE METAL DECK AS INDICATED IN THE PLAN. ALL OPENINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

A / M / E COMPONENTS

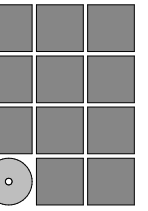
- ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL (A/M/E) COMPONENTS SHALL BE ANCHORED TO THE BUILDING STRUCTURE, INCLUDING EXTERIOR EQUIPMENT PADS. ANCHORAGE SHALL BE DESIGNED FOR ALL APPLICABLE LOAD CASES, INCLUDING SEISMIC, BY THE CONTRACTOR'S ENGINEER AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.
- DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ALASKA.

DELEGATED DESIGN ELEMENTS

- THE DESIGN OF THE FOLLOWING ELEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SUBMITTED ARCHITECT AND STRUCTURAL ENGINEER OF RECORD:
 - ATTACHMENT OF MECHANICAL UNITS TO BUILDING STRUCTURE.
 - MOVEABLE PARTITION WALL SUPPORT AND BRACING.
- SUBMITTALS SHALL INCLUDE DRAWINGS AND CALCULATIONS, SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ALASKA.

ADDITIVE ALTERNATES

- ALTERNATE #1:
 - ALL WORK ASSOCIATED WITH THE BRACE FRAME UPGRADES ON GRID 7, INCLUDING:
 - DEMOLITION AND UPGRADE OF EXISTING BRACES.
 - DEMOLITION AND UPGRADE OF EXISTING FOUNDATIONS.
 - UPGRADES TO ROOF AND FLOOR BEAMS.
 - SEE INDIVIDUAL SHEETS FOR DELINEATION OF ADDITIVE ALTERNATE WORK.



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GENERAL NOTES

DATE: June 14, 2022
FILE: 20206JN

S001

SPECIAL INSPECTION NOTES

1. ALL SPECIAL INSPECTIONS AND REPORTING REQUIREMENTS PER SECTION 1704 OF THE 2018 IBC AND REFERENCED STANDARDS, INCLUDING THE TASKS OUTLINED IN SPECIFICATION SECTION 014500 "SCHEDULE OF SPECIAL INSPECTIONS", SHALL BE PROVIDED. SEE SPECIFICATION SECTION 014500 FOR TABLE OF REQUIRED SPECIAL INSPECTIONS.
2. THE OWNER OR OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY QUALIFIED AGENCIES TO PROVIDE SPECIAL INSPECTION AND TESTS FOR THE WORK SPECIFIED IN SECTION 1705 OF THE 2018 IBC. SPECIAL INSPECTION AGENCIES SHALL BE QUALIFIED PER 1704.2.1 OF THE 2018 IBC.
3. THE SPECIAL INSPECTORS SHALL, AT A MINIMUM, PROVIDE SPECIAL INSPECTION REPORTS TO THE BUILDING OFFICIAL, OWNER OR OWNER'S AUTHORIZED AGENT, ARCHITECT, AND THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE NOTICE OF THE CONTRACTOR, OWNER OR OWNER'S AUTHORIZED AGENT, ARCHITECT, AND THE ENGINEER OF RECORD.
4. THE SPECIAL INSPECTORS SHALL SUBMIT A FINAL SIGNED REPORT DOCUMENTING ALL SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS.
5. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS OF ADVANCE NOTICE PRIOR TO A REQUIRED SPECIAL INSPECTION AND PROVIDE ACCESS TO THE SITE AS REQUIRED FOR THE SPECIAL INSPECTOR TO COMPLETE THEIR WORK.
6. THE COST OF ANY REINSPECTION REQUIRED DUE TO CONSTRUCTION ERROR IS THE RESPONSIBILITY OF THE CONTRACTOR.
7. STRUCTURAL STEEL MEMBERS INDICATED AS PART OF THE SLRS ARE SUBJECT TO THE SEISMIC INSPECTION REQUIREMENTS

STRUCTURAL OBSERVATION NOTES

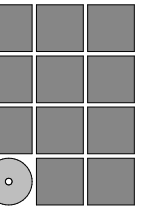
1. THE OWNER OR OWNER'S AUTHORIZED AGENT SHALL EMPLOY A STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF ALASKA, TO PERFORM STRUCTURAL OBSERVATIONS IN ACCORDANCE WITH SECTION 1704.6 OF THE IBC.
2. PRIOR TO THE COMMENCEMENT OF OBSERVATIONS THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL, A WRITTEN STATEMENT IDENTIFYING THE FREQUENCY AND EXTENT OF STRUCTURAL OBSERVATIONS.
3. AT THE CONCLUSION OF THE WORK INCLUDED IN THE PERMIT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

ABBREVIATIONS

@	AT
AB	ANCHOR BOLT
AFF	ABOVE FINISH FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONST.
A/M/E	ARCHITECTURAL, MECHANICAL, AND ELECTRICAL
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
BET / BTWN	BETWEEN
BM	BEAM
BOD	BOTTOM OF DECK
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BP	BASE PLATE
BS	BOTH SIDES
CJ	CONTROL JOINT
CONC	CONCRETE
CONT	CONTINUOUS
CONTR'S	CONTRACTORS
CJP	COMPLETE JOINT PENETRATION
DIA / DIAM / ø	DIAMETER
DICA	DRILLED IN CONCRETE ANCHOR
DIM	DIMENSION
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
EMBED	EMBEDMENT
EOR	ENGINEER OF RECORD
EQ	EQUAL
ES	EQUALLY SPACED
EW	EACH WAY
FDN	FOUNDATION
FF	FINISH FLOOR
FL	FLAT BAR
FT	FOOT/FEET
FTG	FOOTING
GA	GAGE
GLB	GLULAM BEAM
GP	GUSSET PLATE
H / HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
IN	INCH(ES)
INT	INTERIOR
JT	JOINT
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONG	LONGITUDINAL
MANUF	MANUFACTURER
MATL	MATERIAL
MECH	MECHANICAL
MRSA	MODAL RESPONSE SPECTRUM ANALYSIS
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE HAND
PEN	PENETRATION
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
REF	REFERENCE
REQ'D	REQUIRED
RO	ROUGH OPENING
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLRS	SEISMIC LOAD RESISTING SYSTEM
SOG	SLAB-ON-GRADE
SQ	SQUARE
STD	STANDARD
STL	STEEL
T&B	TOP & BOTTOM
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V / VERT	VERTICAL
W/	WITH
WP	WORKING POINT
WWF	WELDED WIRE FABRIC

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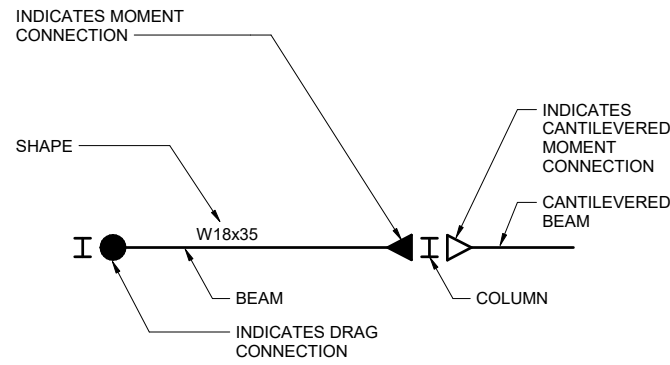


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**ABBREVIATIONS
AND SPECIAL
INSPECTION NOTES**

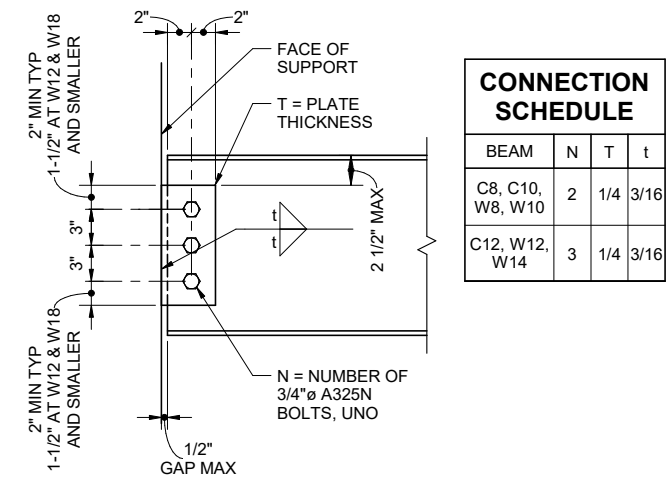
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S002



NOTES:
1. SEE TYPICAL STEEL DETAILS FOR CONNECTIONS.

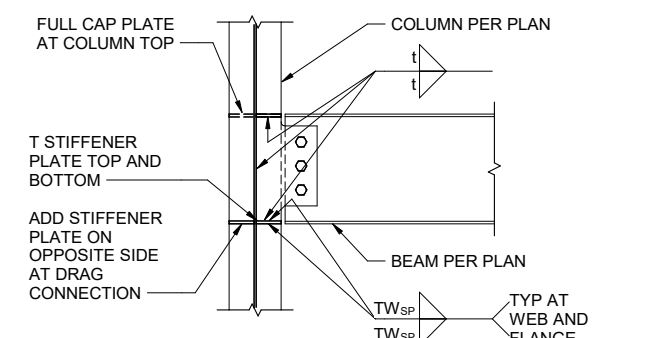
1 TYPICAL BEAM CALLOUTS
S101 SCALE: 1/4" = 1'-0" 0 1'-6" 3'-0" 6'-0"



CONNECTION SCHEDULE			
BEAM	N	T	t
C8, C10, W8, W10	2	1/4	3/16
C12, W12, W14	3	1/4	3/16

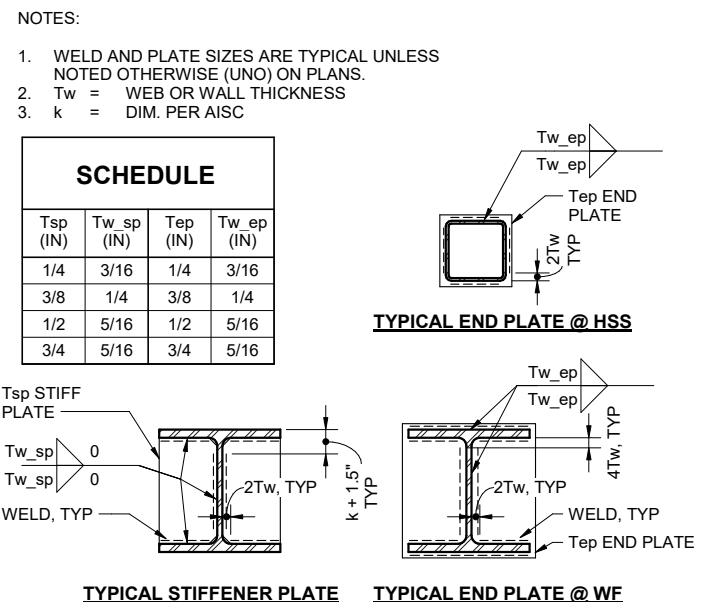
NOTES:
1. SEE CONNECTION SCHEDULE FOR N, T, AND t.

2 TYPICAL CONNECTION DETAIL
S101 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



NOTE:
1. SEE TYPICAL CONNECTION DETAIL FOR DIMENSIONS, PLATE THICKNESS AND BOLTS.
2. SEE 2/S101 FOR t AND T.
3. SEE 6/S101 FOR STIFFENER PLATE WELD SIZE.

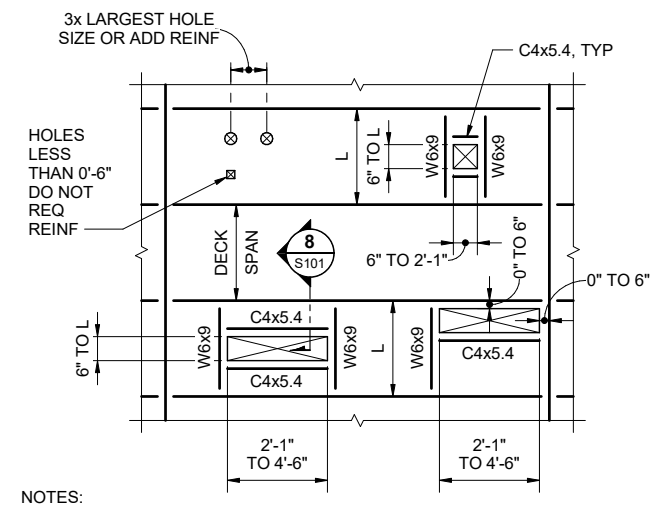
5 TYPICAL BEAM TO COLUMN WEB
S101 SCALE: 1" = 1'-0" 0 4-1/2" 9" 1'-6"



SCHEDULE			
T _{sp} (IN)	T _{w_sp} (IN)	T _{ep} (IN)	T _{w_ep} (IN)
1/4	3/16	1/4	3/16
3/8	1/4	3/8	1/4
1/2	5/16	1/2	5/16
3/4	5/16	3/4	5/16

TYPICAL STIFFENER PLATE TYPICAL END PLATE @ WF

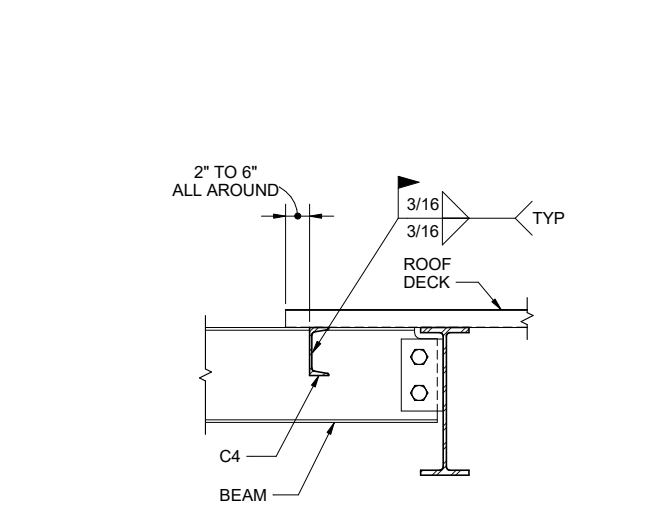
3 TYPICAL BEAM TO GIRDER
S101 SCALE: 1" = 1'-0" 0 4-1/2" 9" 1'-6"



NOTES:
1. CONTRACTOR TO COORDINATE QUANTITY, SIZE AND LOCATION OF OPENINGS WITH MECHANICAL AND ELECTRICAL CONTRACTORS AND ARCHITECTURAL DRAWINGS.

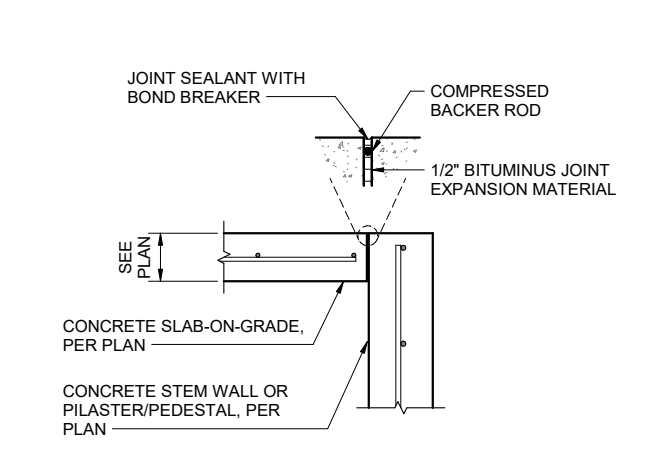
7 TYPICAL ROOF DECK OPENING DETAIL
S101 SCALE: 1/4" = 1'-0" 0 1'-6" 3'-0" 6'-0"

4 TYPICAL BEAM TO COLUMN FLANGE
S101 SCALE: 1" = 1'-0" 0 4-1/2" 9" 1'-6"



NOTE:
SEE TYPICAL CONNECTION DETAIL FOR DIMENSIONS, PLATE THICKNESS AND BOLTS.

8 TYPICAL ROOF DECK OPENING DETAIL
S101 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"

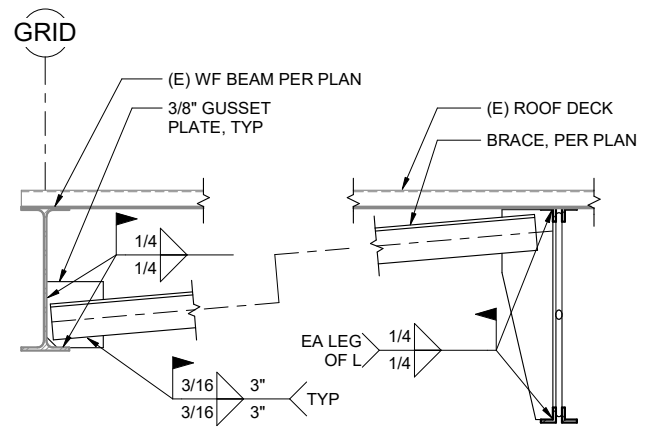


10 TYPICAL EXPANSION JOINT
S101 SCALE: 1" = 1'-0" 0 4-1/2" 9" 1'-6"

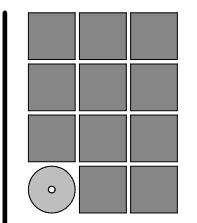
F'C (PSI)	LAP LENGTH SCHEDULE: CLASS "A"									
	BAR SIZE (GR 60)	3	4	5	6	7	8	9	10	11
4000	TOP BAR	19	25	31	37	44	50	56	63	70
	BOTTOM BAR	15	19	24	29	34	38	43	49	54
4500	TOP BAR	17	23	28	34	39	45	50	57	63
	BOTTOM BAR	13	17	22	26	30	34	39	44	48

LAP LENGTH SCHEDULE: CLASS "B" - MULTIPLY SCHEDULE VALUES BY 1.3

SCHEDULE NOTES:
1. LAP SPLICES ASSUMED TO BY CLASS "A" UNLESS NOTED OTHERWISE. SCHEDULE VALUES ARE VALID FOR NORMALWEIGHT CONCRETE WITH REBAR LAYOUTS MEETING THE REQUIREMENTS OF EITHER A, B, OR C:
A. CLEAR SPACING AND CLEAR COVER OF BARS BEING DEVELOPED OR LAP SPICED IS NOT LESS THAN (1) BAR DIAMETER, WITHIN STIRRIPS OR TIES.
(OR)
B. CLEAR SPACING OF BARS BEING DEVELOPED OR LAP SPICED IS AT LEAST (2) BAR DIAMETERS AND CLEAR COVER IS AT LEAST (1) BAR DIAMETER.
(OR)
C. MULTIPLY SCHEDULE VALUES BY 1.5
2. THE ABOVE VALUES RELATE ONLY TO PLAIN (UNCOATED) DEFORMED REINFORCING.
3. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF NEW CONCRETE PLACED MONOLTHICALLY BELOW BAR.
4. BOTTOM BARS ARE HORIZONTAL REINFORCEMENT WITH LESS THAN 12" OF NEW CONCRETE PLACED BELOW BAR.



11 TYPICAL KICKER BRACE DETAIL
S101 SCALE: 1 1/2" = 1'-0"



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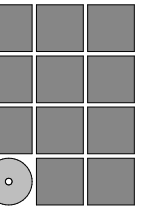
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TYPICAL DETAILS

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S101

SHEET NOTES

- FOR SLAB DEMOLITION EXTENTS, SEE S301.



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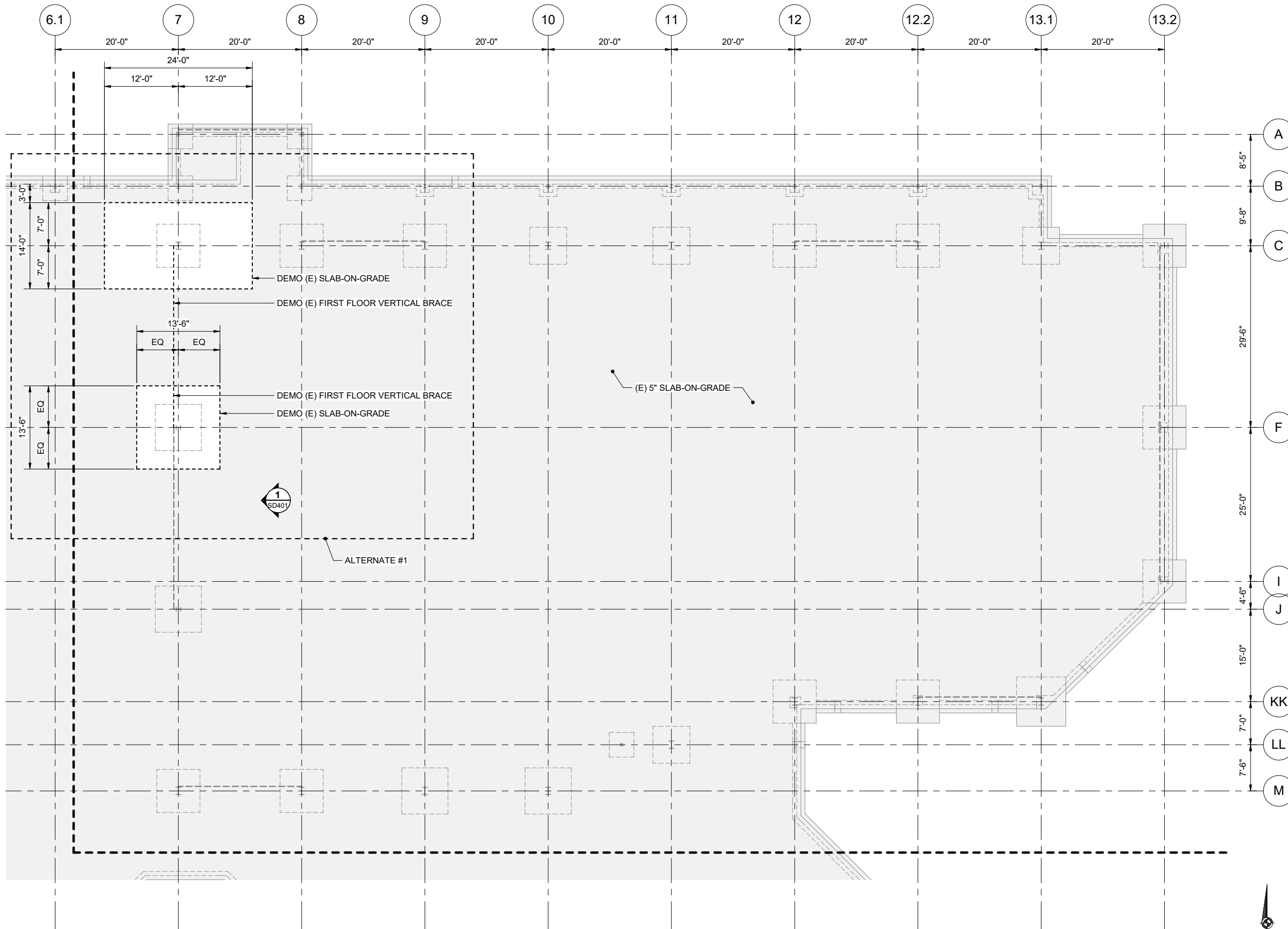
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**DEMO FOUNDATION
AND SLAB PLAN -
ENLARGED
BALLROOMS**

DATE: June 14, 2022

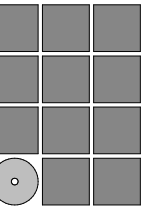
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SD211



1 DEMO FOUNDATION AND SLAB PLAN - ENLARGED BALLROOMS

SD211 SCALE: 1/8" = 1'-0" 0 3'-0" 6'-0" 12'-0"



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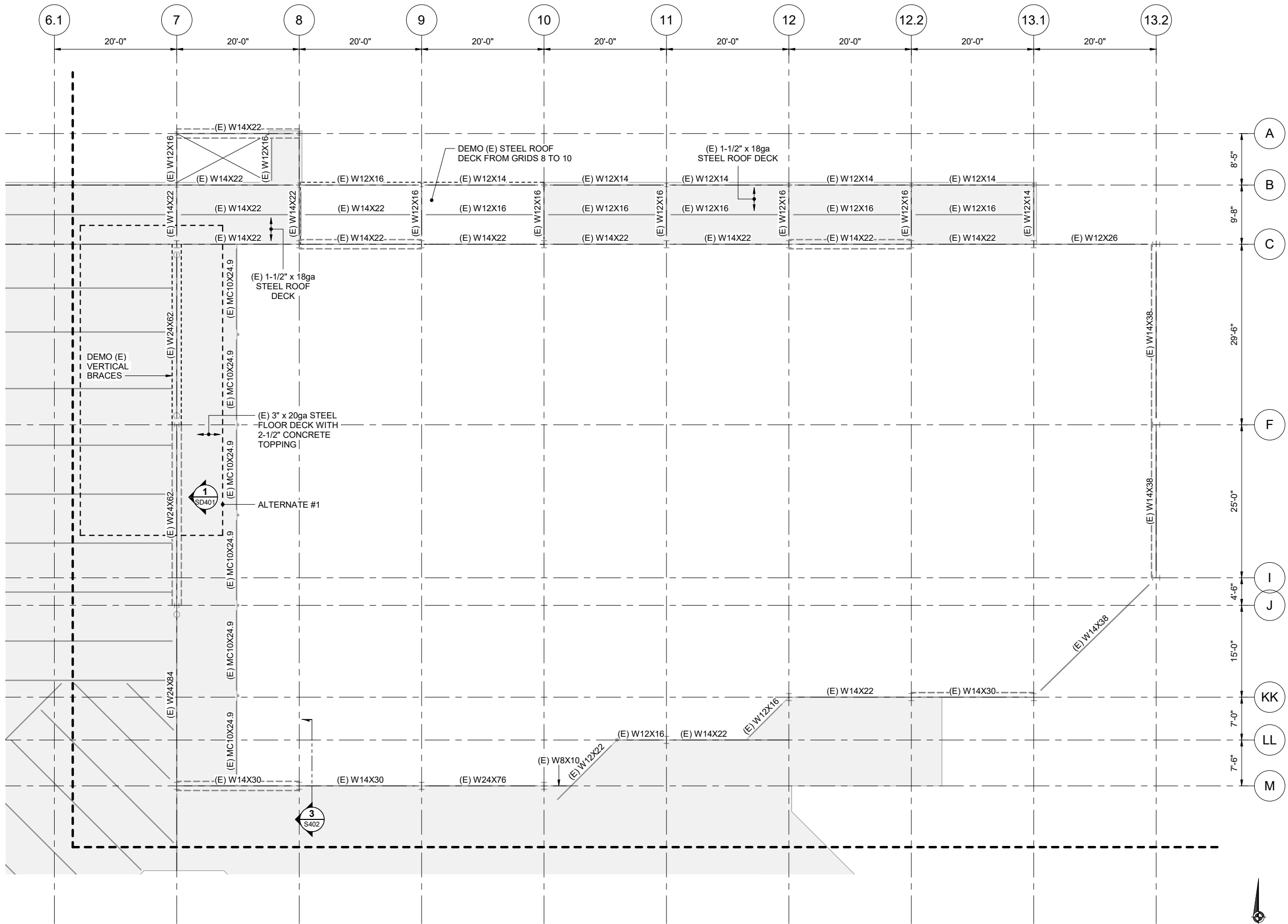
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SHEET TITLE
DEMO 2nd FLOOR
AND LOW ROOF
FRAMING PLAN -
ENLARGED
BALLROOMS
DATE: June 14, 2022
FILE: 20206JN

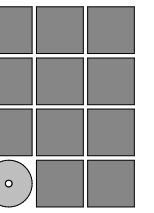
SD212



1 DEMO 2nd FLOOR AND LOW ROOF FRAMING PLAN - ENLARGED BALLROOMS
SD212 SCALE: 1/8" = 1'-0" 0 3'-0" 6'-0" 12'-0"

SHEET NOTES

1. DEMO PARTIAL OR FULL SIDING PANELS AS REQUIRED TO INSTALL NEW DRAG STRUT ELEMENTS AND BRACE CONNECTIONS.



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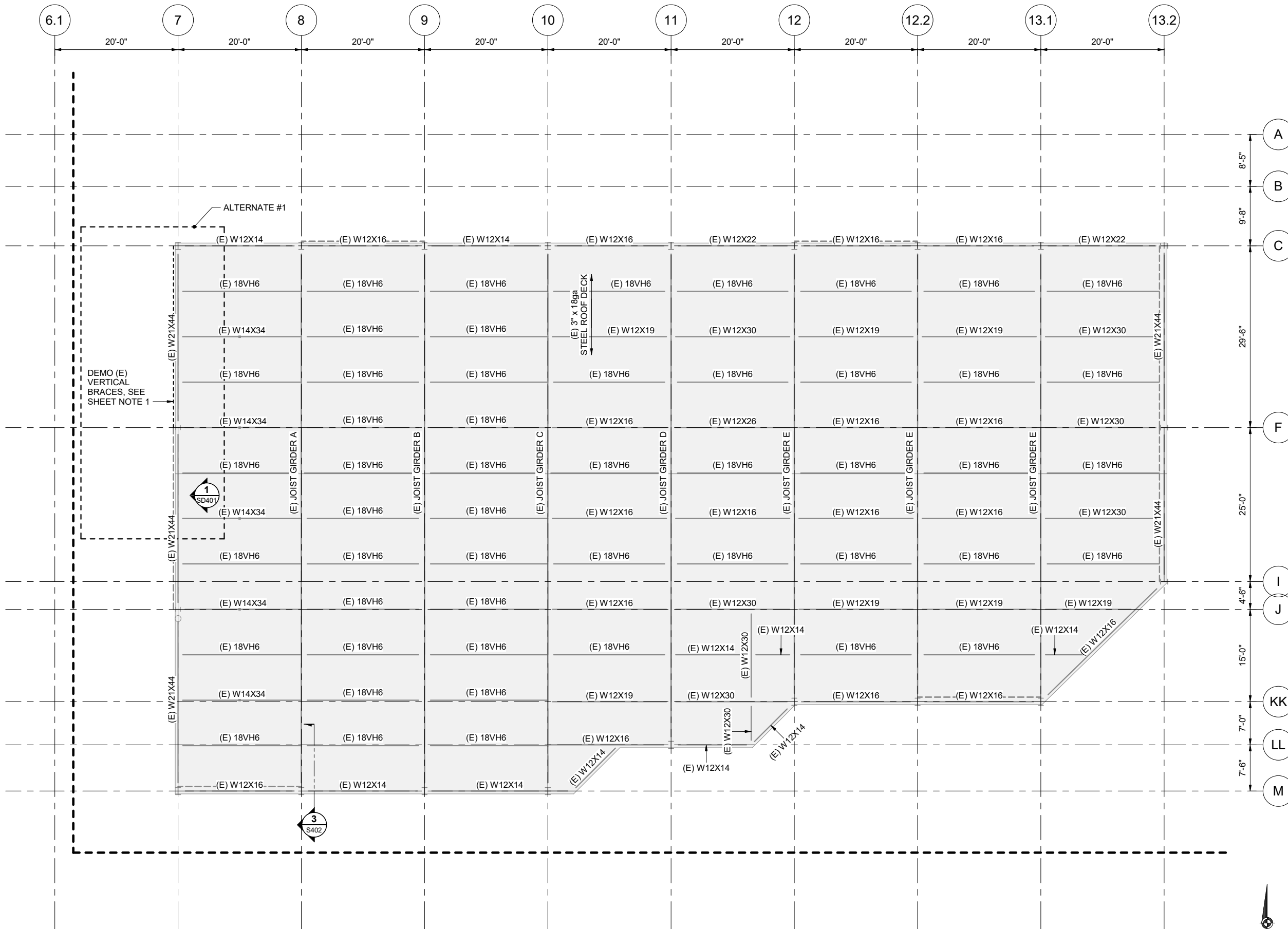


SHEET TITLE

DEMO ROOF FRAMING PLAN - ENLARGED BALLROOMS

DATE: June 14, 2022
FILE: 20206JN

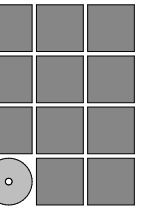
SD213



1 DEMO ROOF FRAMING PLAN - ENLARGED BALLROOMS

SD213 SCALE: 1/8" = 1'-0" 0 3'-0" 6'-0" 12'-0"

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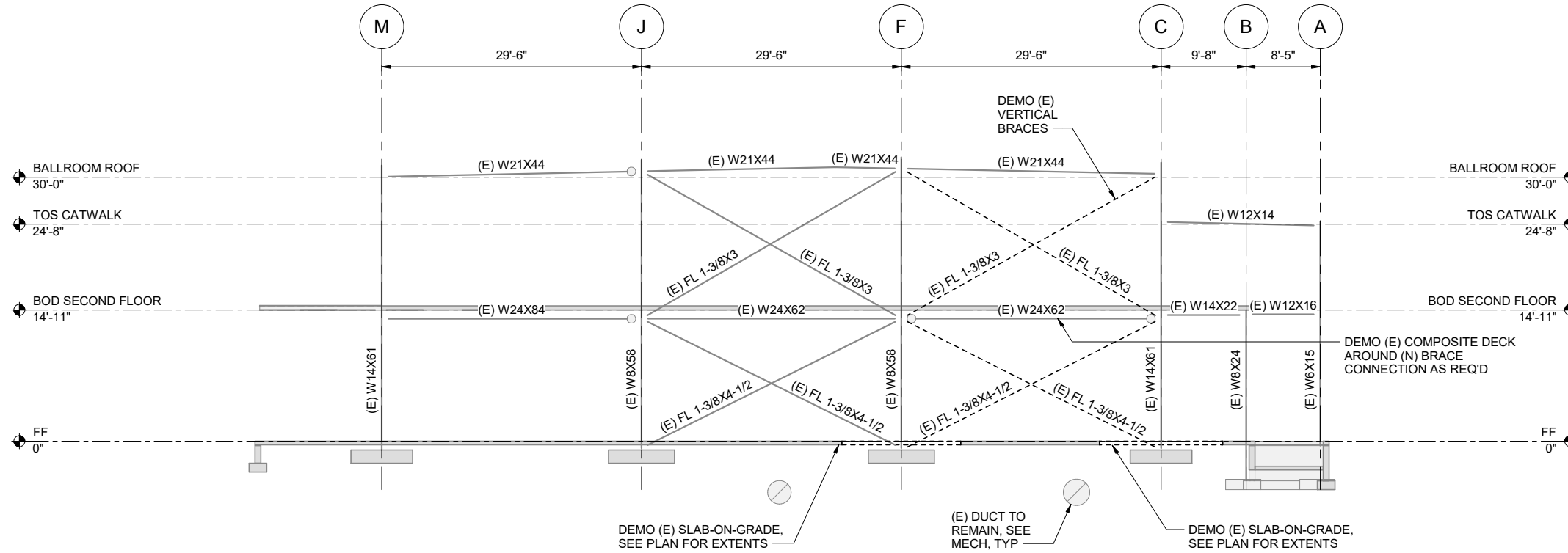
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**DEMO BRACED
FRAME ELEVATION**

DATE: June 14, 2022

FILE: 20206JN

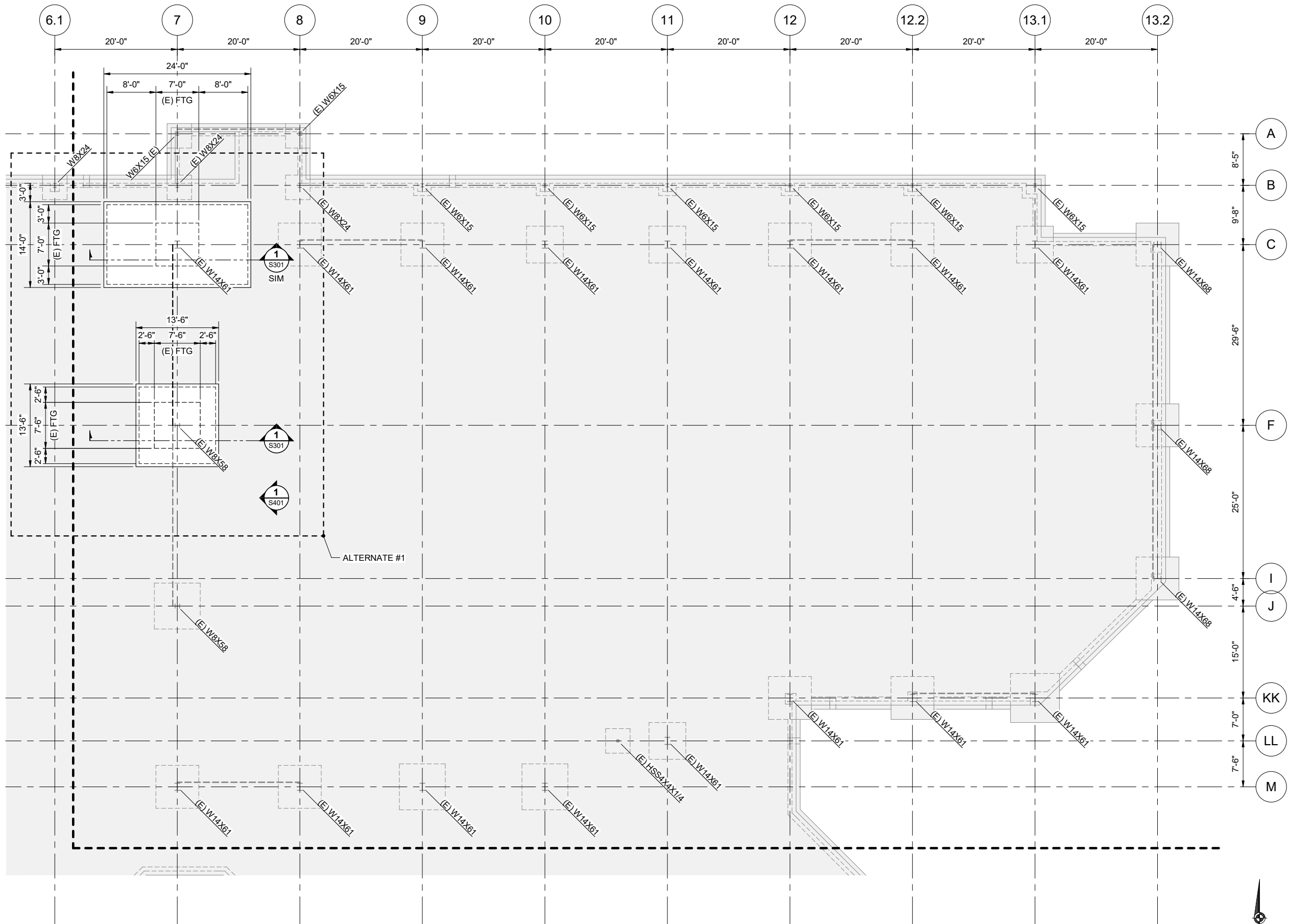
SD401



1 ALTERNATE #1: DEMO BRACED FRAME ELEVATION

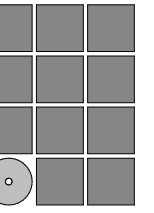
SD401 SCALE: 1/8" = 1'-0" 0 3'-0" 6'-0" 12'-0"

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SHEET NOTES

1. UNDERGROUND DUCT LOCATIONS SHOWN ARE BASED ON EXISTING DRAWINGS. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO AVOID DAMAGE TO THE UNDERGROUND DUCTS CROSSING NEAR GRID 7.
2. CONTRACTOR SHALL COORDINATE ALL FOUNDATION WORK WITH THE MECHANICAL DRAWINGS TO ENSURE NO DAMAGE TO THE EXISTING DUCT SYSTEM OCCURS.



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SHEET TITLE

**FOUNDATION AND
SLAB PLAN -
ENLARGED
BALLROOMS**

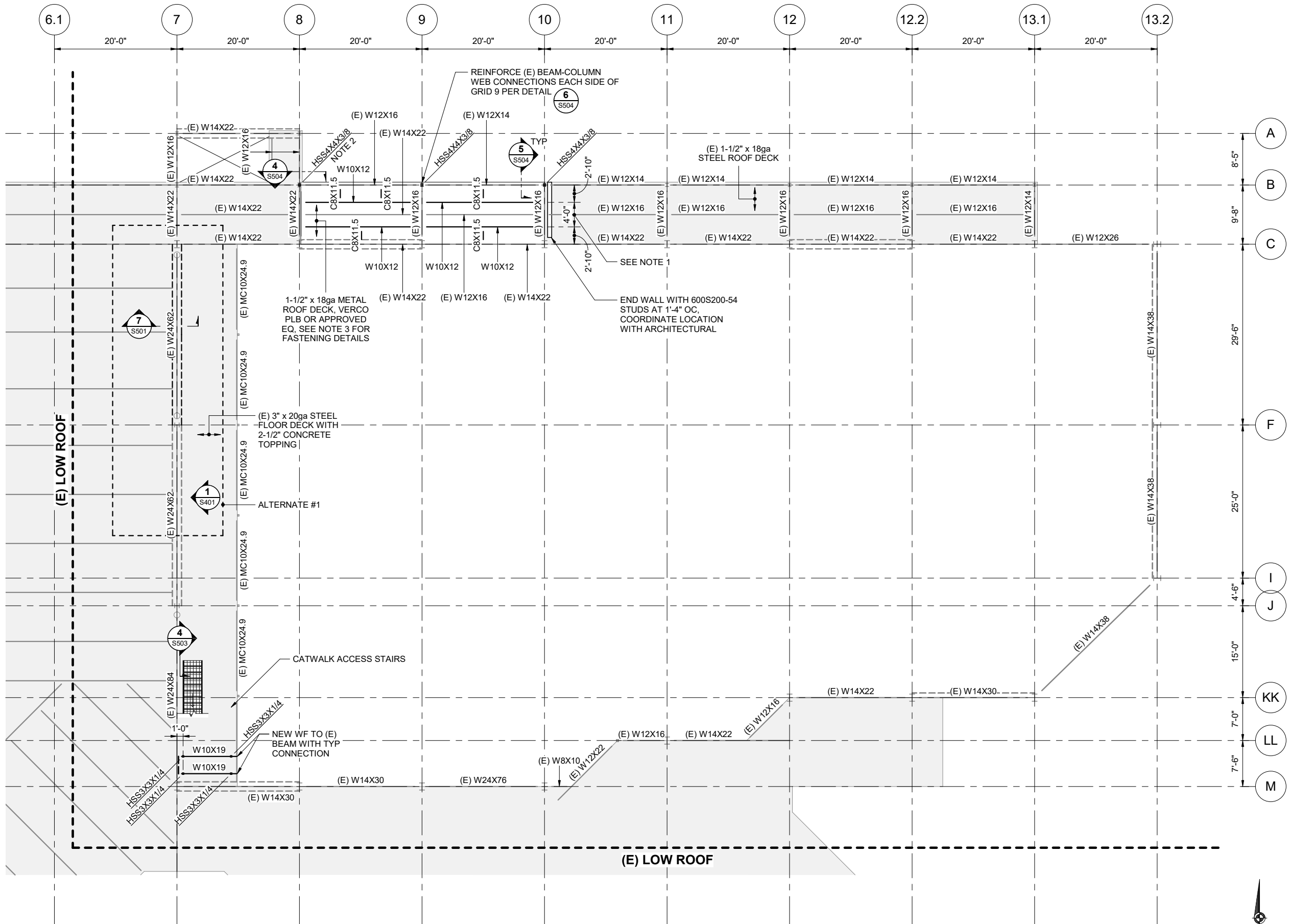
DATE: June 14, 2022
FILE: 20206JN

1 FOUNDATION AND SLAB PLAN - ENLARGED BALLROOMS
S211 SCALE: 1/8" = 1'-0" 0 3'-0" 6'-0" 12'-0"

S211

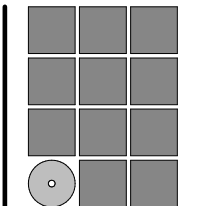
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SHEET NOTES

1. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND CONNECTION OF MECHANICAL SUPPORT FRAME TO NEW SUPPORTING STEEL BEAMS, TYP.
2. NEW COLUMN BETWEEN THE EXISTING SECOND FLOOR AND LOW ROOF BEAM.
3. FASTEN METAL DECK TO SUPPORTS SUPPORTS WITH 5/8" DIA SPOT WELDS IN A 36/7/4 PATTERN AND 12" OC AT PARALLEL SUPPORTS. FASTEN SIDE LAPS WITH A VERCO VSC2 PUNCH AT 12" OC.



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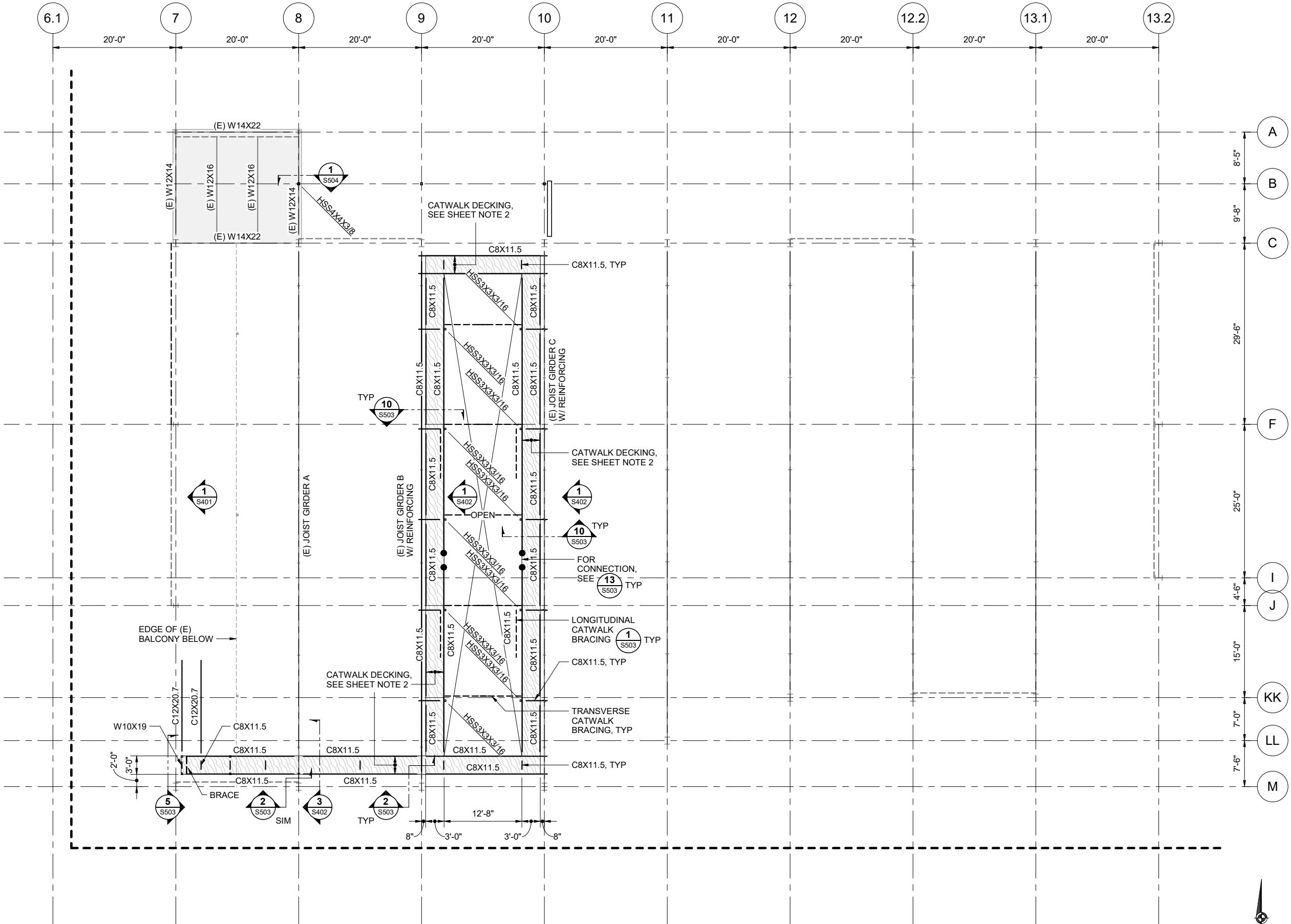
SHEET TITLE
2nd FLOOR AND LOW ROOF FRAMING PLAN - ENLARGED BALLROOMS
DATE: June 14, 2022
FILE: 20206JN

S212

1 2nd FLOOR AND LOW ROOF FRAMING PLAN - ENLARGED BALLROOMS
S212 SCALE: 1/8" = 1'-0"
0 3'-0" 6'-0" 12'-0"

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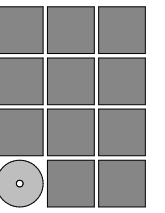
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1 CATWALK FRAMING PLAN - ENLARGED BALLROOMS
S213 SCALE: 1/8" = 1'-0"
0 3'-0" 6'-0" 12'-0"

SHEET NOTES

1. EXISTING CATWALKS BETWEEN GRIDS 10 AND 13.2 NOT SHOWN, FOR CLARITY.
2. PLYWOOD DECKING FOR CATWALK SHALL BE 1-1/8" PLYWOOD WITH STRONG AXIS SPANNING IN THE DIRECTION SHOWN.
 - A. PLYWOOD DECKING FOR CATWALK SHALL BE 5-PLY 48" OC APA RATED SHEATHING.
 - B. PLYWOOD DECKING SHALL BE FIRE RESISTANT.
 - C. FASTEN PLYWOOD TO STEEL SUPPORTS WITH GALVANIZED #12 SELF TAPPING SCREWS AT 12" OC (SIMPSON TBG1460S OR EQ)



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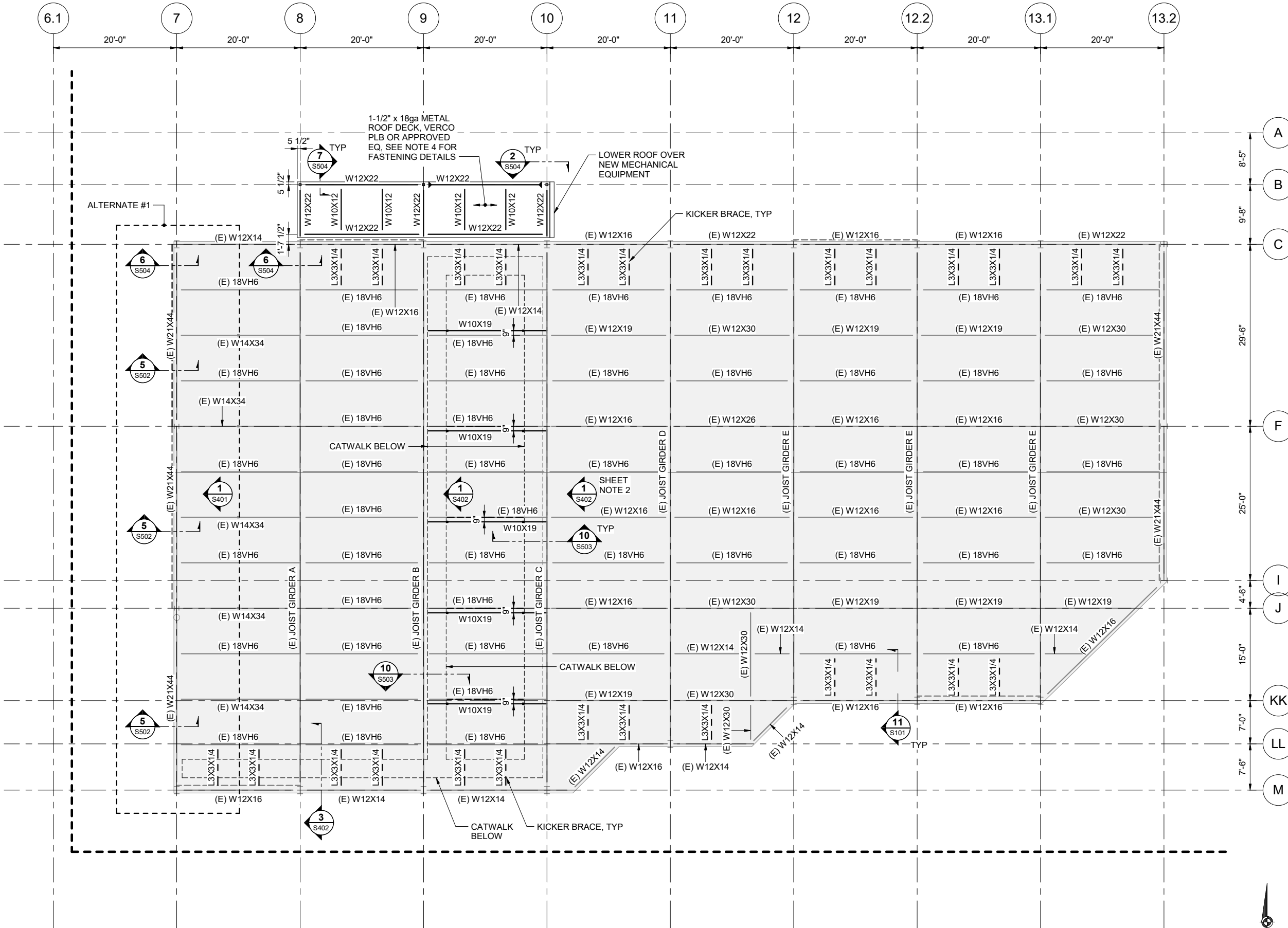
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SHEET TITLE
CATWALK FRAMING PLAN - ENLARGED BALLROOMS

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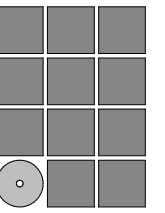
S213

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SHEET NOTES

1. CATWALK FRAMING NOT SHOWN FOR CLARITY.
2. BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS NOTED OTHERWISE.
3. FASTEN METAL DECK TO SUPPORTS WITH 5/8"ø VISIBLE DIA SPOT WELDS IN A 36/7/4 PATTERN AND 12" OC AT PARALLEL SUPPORTS. FASTEN SIDE LAPS WITH A VERCO VSC2 PUNCH AT 12" OC.



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SHEET TITLE
**ROOF FRAMING
PLAN - ENLARGED
BALLROOMS**

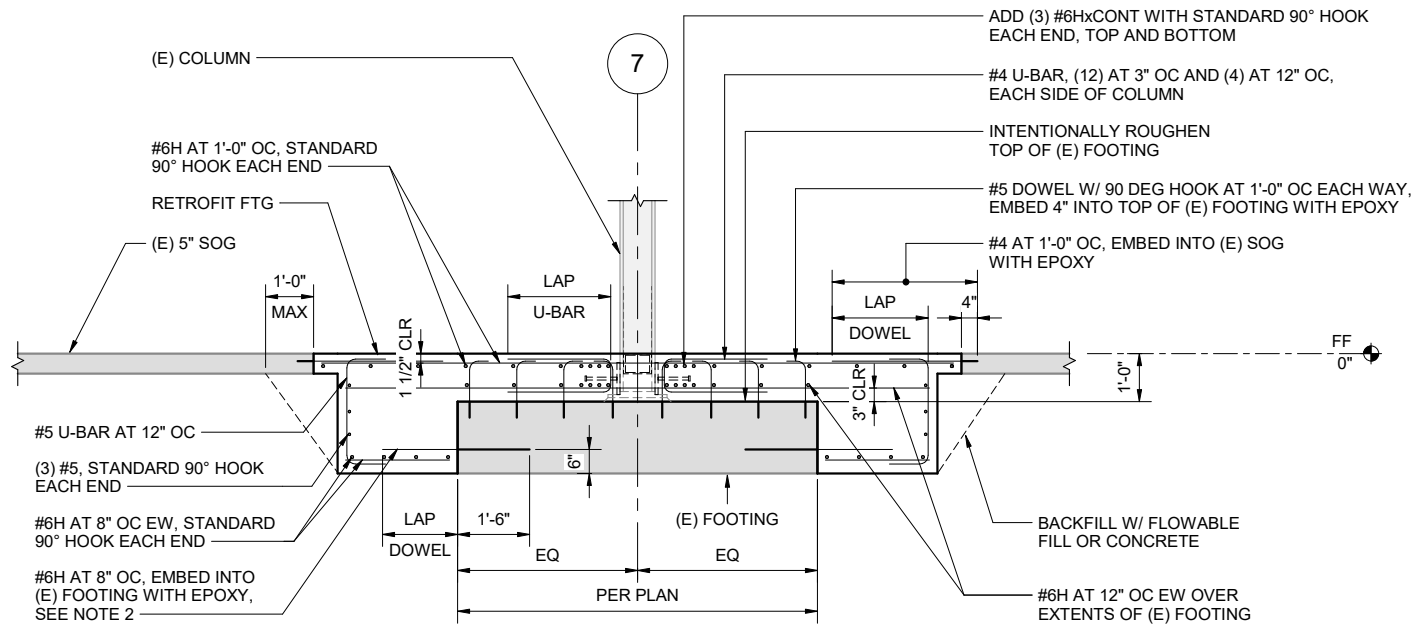
DATE: June 14, 2022
FILE: 20206JN

S214

1 ROOF FRAMING PLAN - ENLARGED BALLROOMS

S214 SCALE: 1/8" = 1'-0" 0 3'-0" 6'-0" 12'-0"



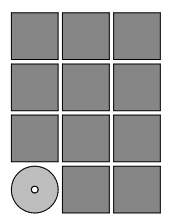


- NOTES:
1. INFILL EXTENTS OF EXCAVATED SPACE WITH CONCRETE AT CONTRACTORS OPTION.
 2. DOWELS MAY BE SPLICED WITH A MECHANICAL SPLICE AT CONTRACTOR'S OPTION. THE MECHANICAL SPLICE SHALL BE CAPABLE OF DEVELOPING 125% OF THE YIELD STRENGTH OF THE BAR. THE MECHANICAL SPLICE SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

1 ALTERNATE #1: FOUNDATION RETROFIT SECTION

S301 SCALE: 1/2" = 1'-0"

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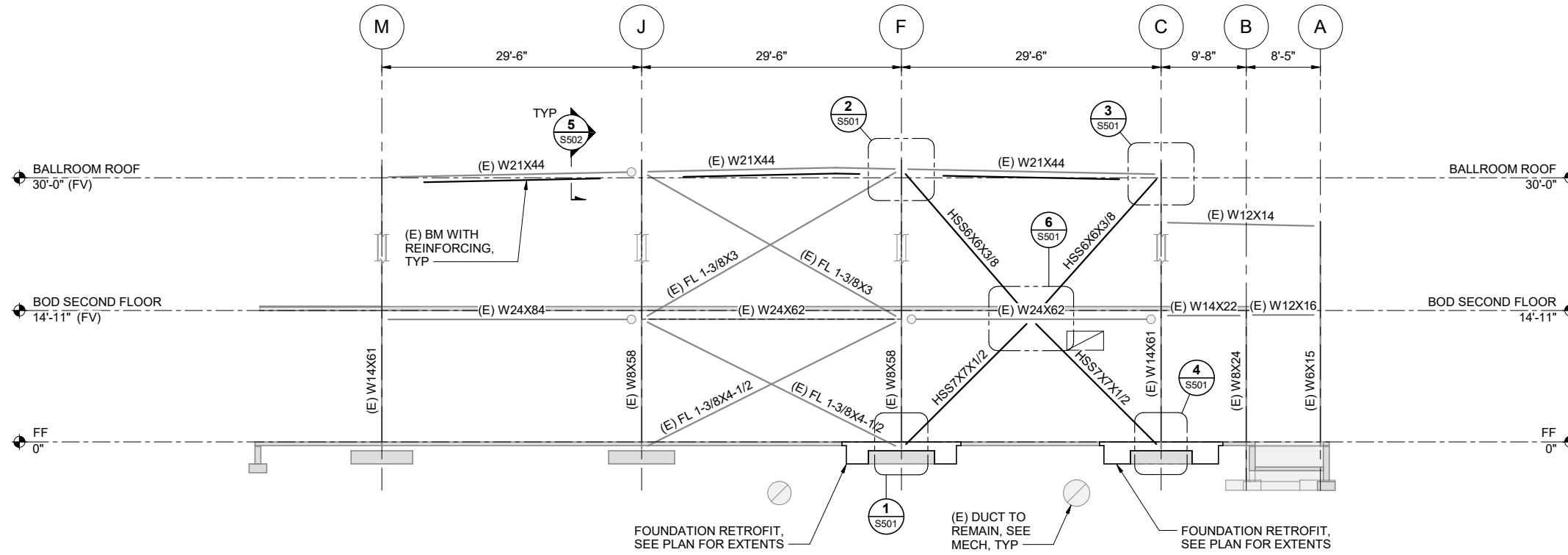
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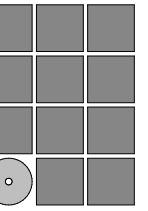
 SHEET TITLE
FOUNDATION DETAILS

DATE: June 14, 2022
 FILE: 20206JN

S301



1 ALTERNATE #1: BRACED FRAME ELEVATION
S401 SCALE: 1/8" = 1'-0" 0 3'-0" 6'-0" 12'-0"



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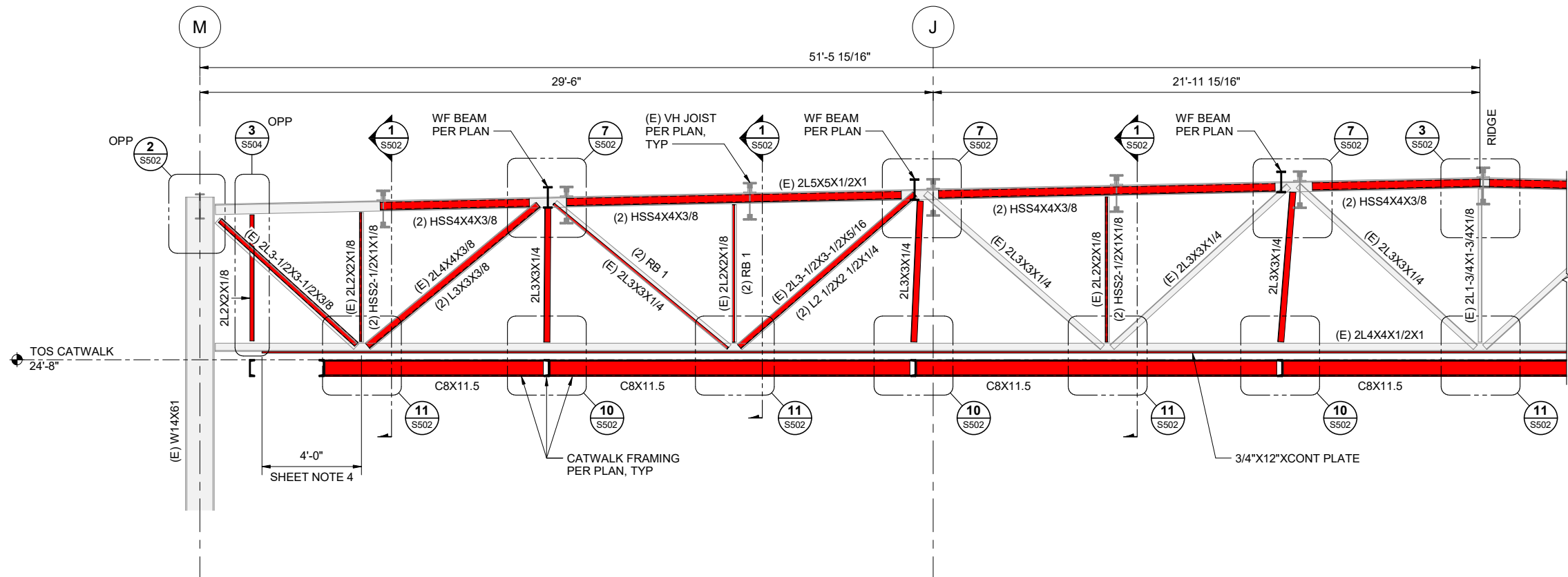
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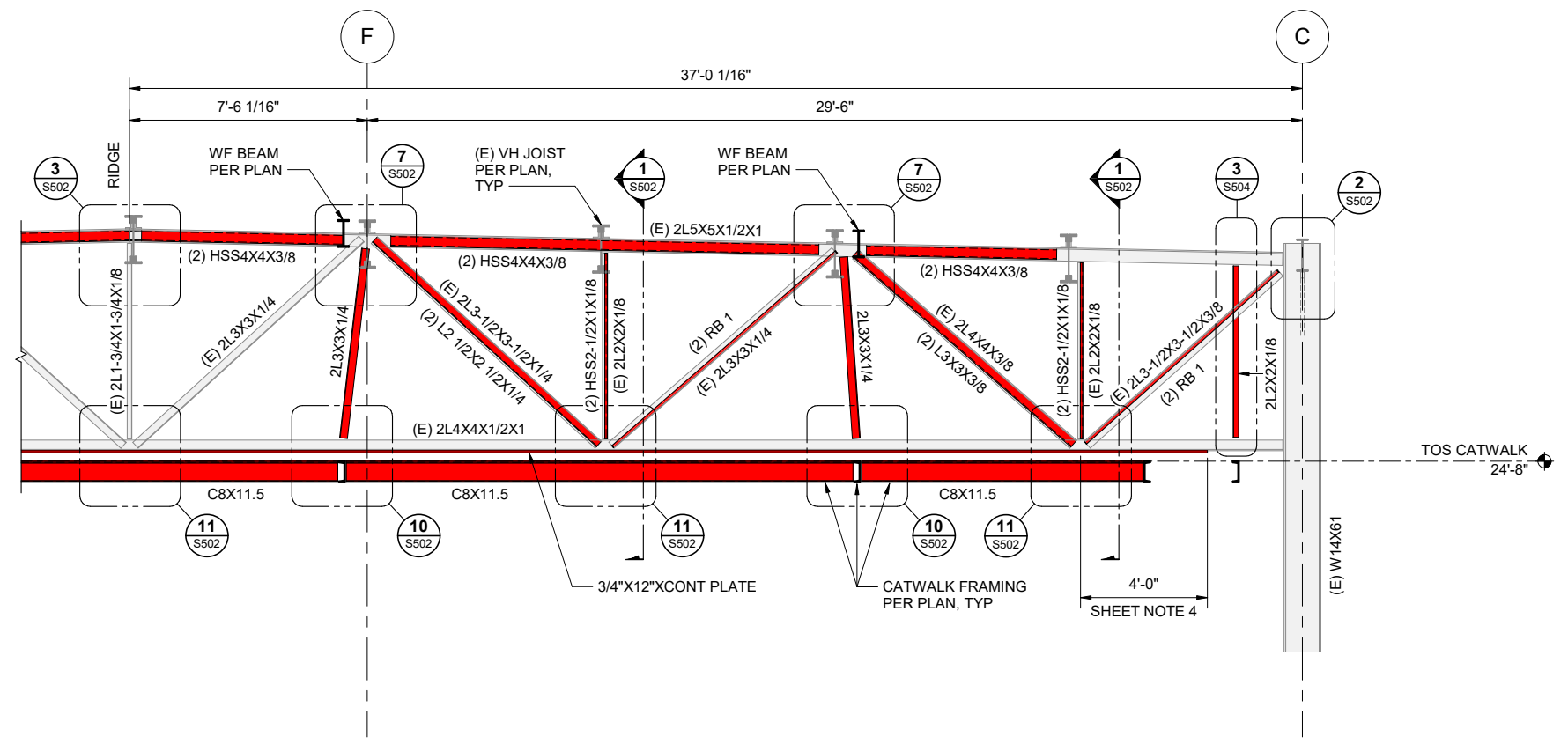
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**BRACED FRAME
ELEVATION**

DATE: June 14, 2022
FILE: 20206JN

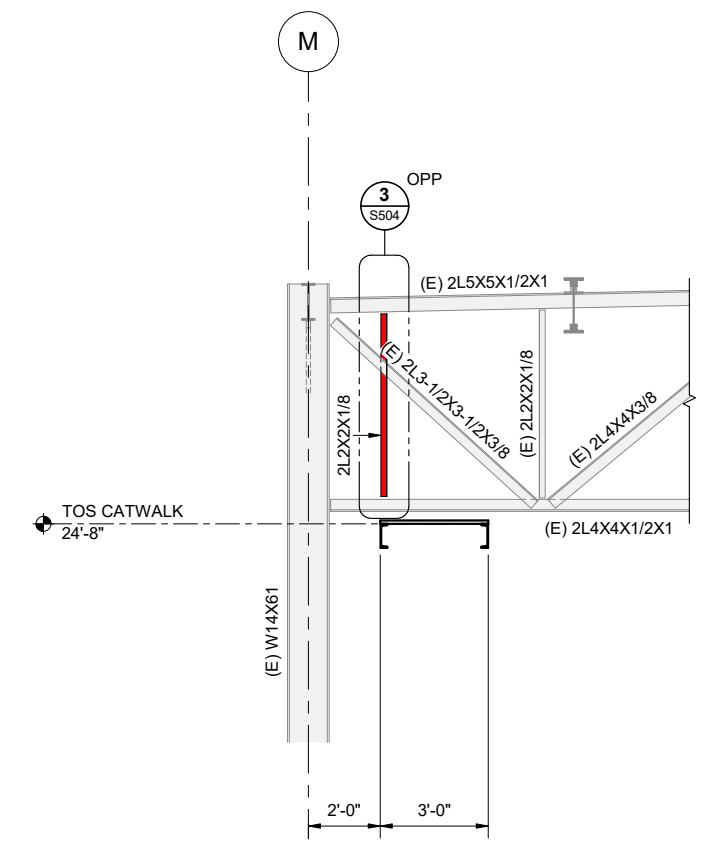
S401



1 TRUSS REINFORCING ELEVATION
 S402 SCALE: 3/8" = 1'-0"
 0 1'-0" 2'-0" 4'-0"



2 TRUSS REINFORCING ELEVATION
 S402 SCALE: 3/8" = 1'-0"
 0 1'-0" 2'-0" 4'-0"

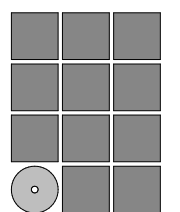


3 GRID 8 TRUSS REINFORCING ELEVATION
 S402 SCALE: 3/8" = 1'-0"
 0 1'-0" 2'-0" 4'-0"

SHEET NOTES

1. THESE ELEVATIONS ARE TYPICAL AT GRIDS 9 AND 10.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRUSS DIMENSIONS AND SIZES PRIOR TO FABRICATION.
3. THE GRID 10 TRUSS COULD NOT BE INSPECTED DURING DESIGN. THE CONTRACTOR SHALL ALLOW FOR THE ENGINEER TO VISUALLY INSPECT THE TRUSS ON GRID 10 FOLLOWING REMOVAL OF EXISTING FINISHES.
4. A NEW PARTITION WALL SHALL REPLACE THE EXISTING PARTITION WALL AT GRID 10. CONNECTION FROM PARTITION WALL TO THE JOIST GIRDER SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER AND REVIEWED BY THE EOR.
5. ALL TRUSS WEB REINFORCING SHALL BE FULL LENGTH OF EXISTING MEMBERS.
6. TRUSS BOTTOM CHORD REINFORCING SHALL BE CONTINUOUS BETWEEN EXTENTS SHOWN.
7. REMOVE AND RE-INSTALL BRACING IN KIND AS REQUIRED FOR INSTALLATION OF REINFORCING.

KEY



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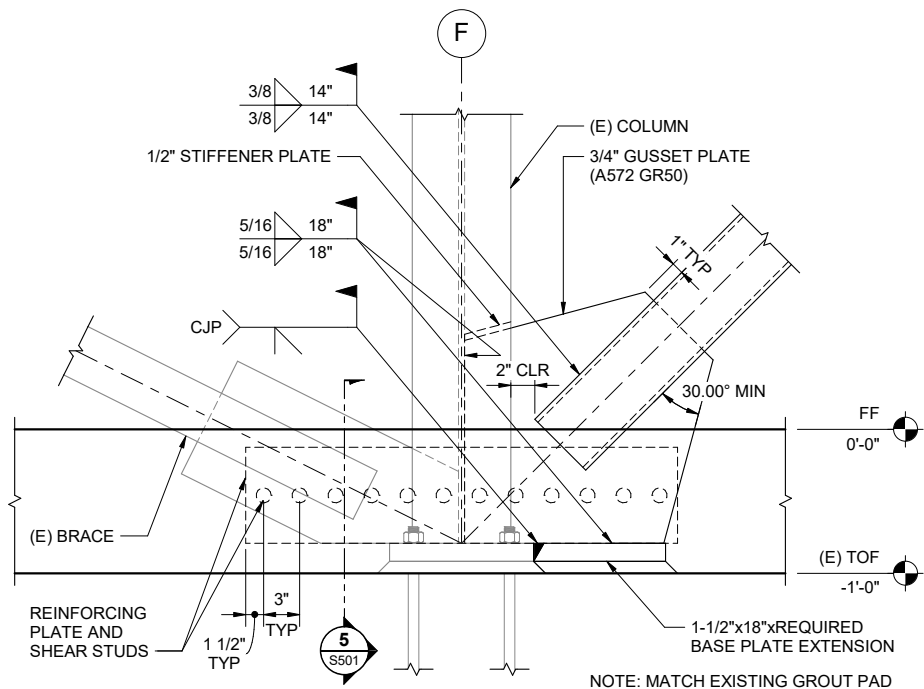


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TRUSS REINFORCING ELEVATIONS

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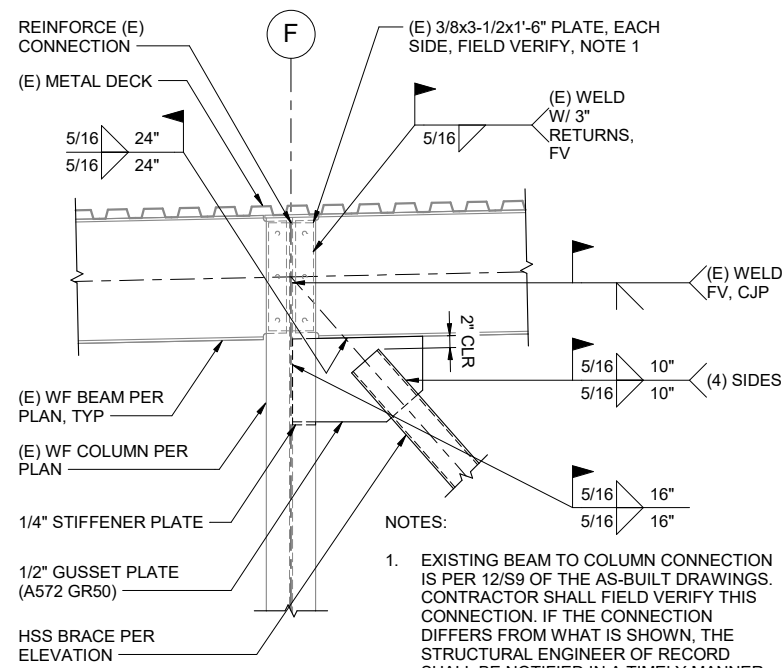
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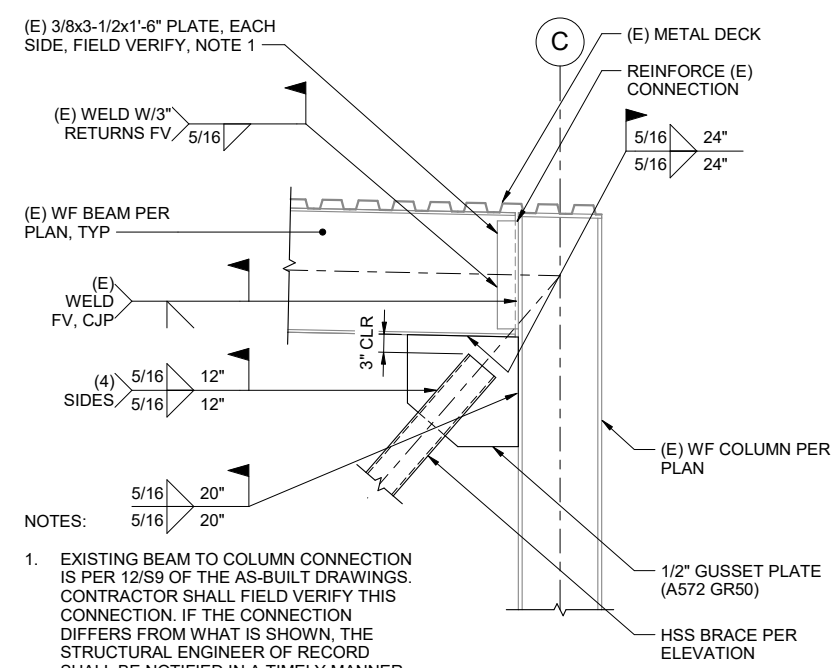
1 ALTERNATE #1: FIRST FLOOR BRACED FRAME DETAIL

S501 SCALE: 1 1/2" = 1'-0" 0 3' 6' 1'-0"



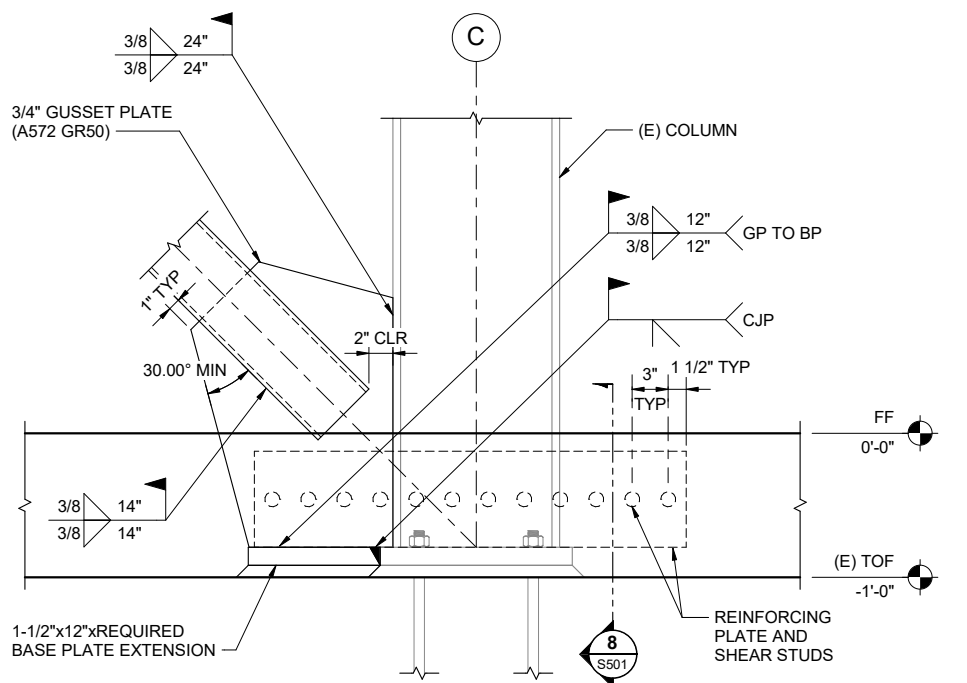
2 ALTERNATE #1: ROOF BRACED FRAME DETAIL

S501 SCALE: 3/4" = 1'-0" 0 6' 1'-0" 2'-0"



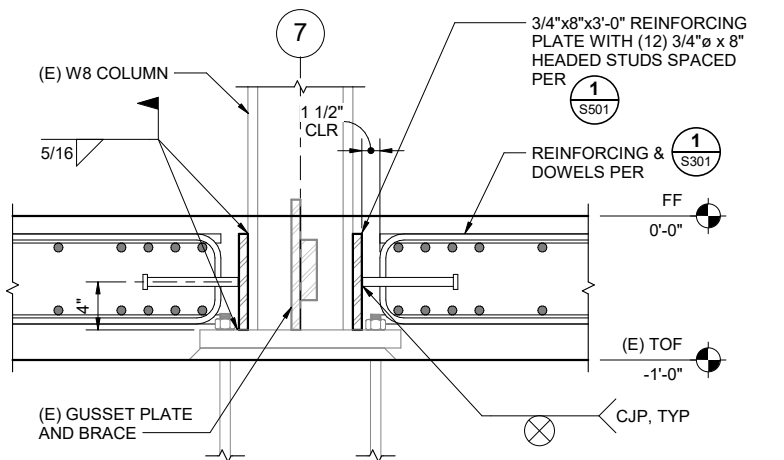
3 ALTERNATE #1: ROOF BRACED FRAME DETAIL

S501 SCALE: 3/4" = 1'-0" 0 6' 1'-0" 2'-0"



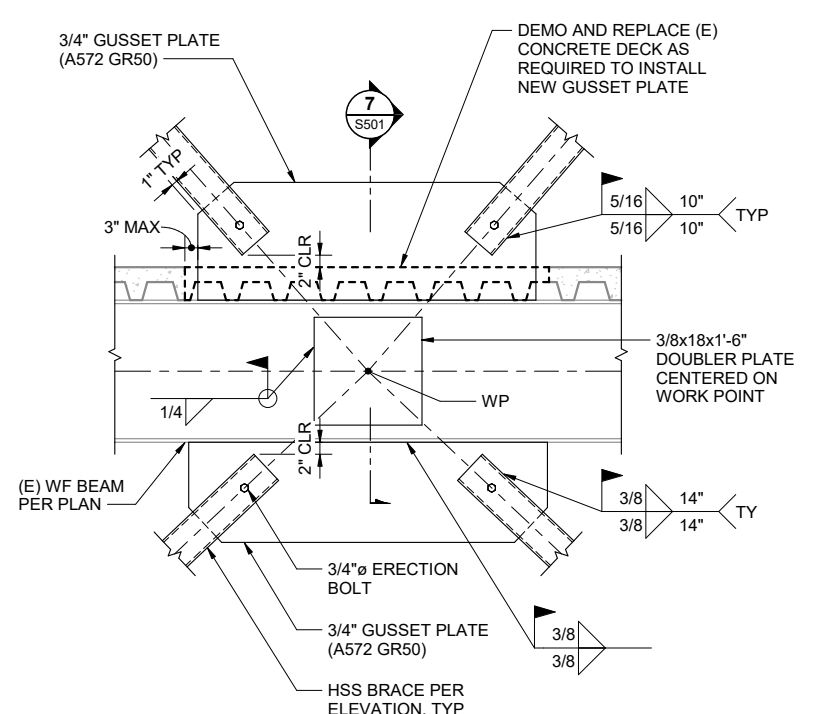
4 ALTERNATE #1: FIRST FLOOR BRACED FRAME DETAIL

S501 SCALE: 1 1/2" = 1'-0" 0 3' 6' 1'-0"



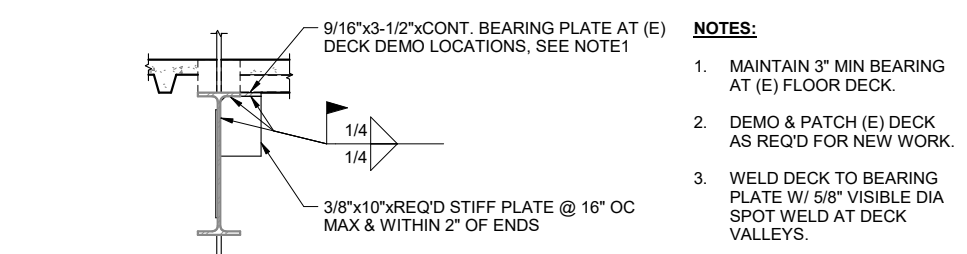
5 ALTERNATE #1: FIRST FLOOR BRACED FRAME DETAIL

S501 SCALE: 1 1/2" = 1'-0" 0 3' 6' 1'-0"



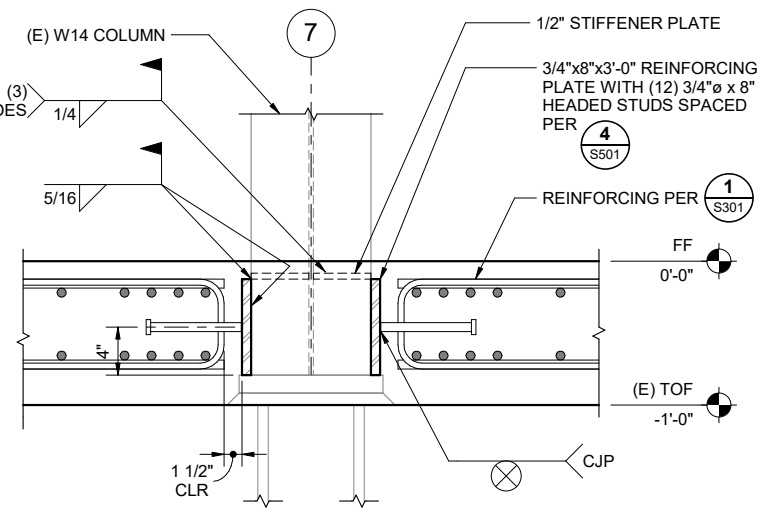
6 ALTERNATE #1: SECOND FLOOR BRACED FRAME DETAIL

S501 SCALE: 3/4" = 1'-0" 0 6' 1'-0" 2'-0"



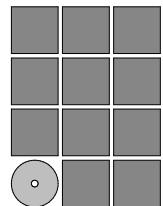
7 ALTERNATE #1: RACED FRAME DECK SUPPORT

S501 SCALE: 3/4" = 1'-0" 0 6' 1'-0" 2'-0"



8 ALTERNATE #1: FIRST FLOOR BRACED FRAME DETAIL

S501 SCALE: 1 1/2" = 1'-0" 0 3' 6' 1'-0"



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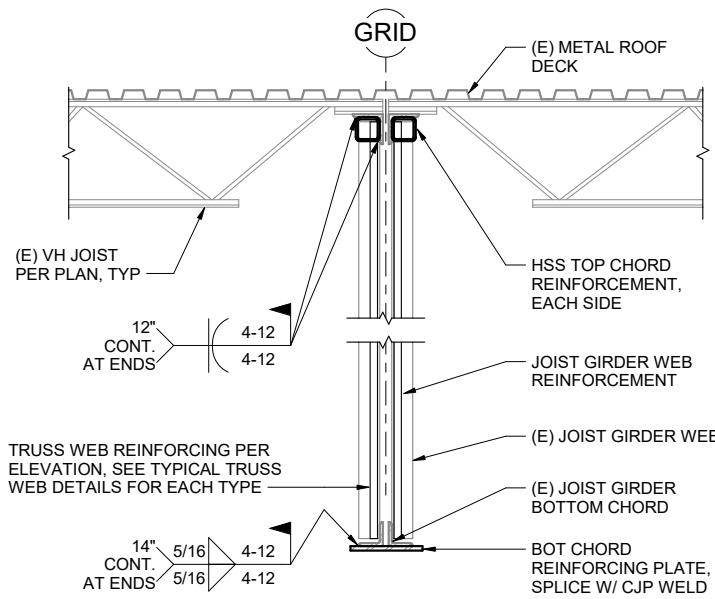


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BRACED FRAME DETAILS

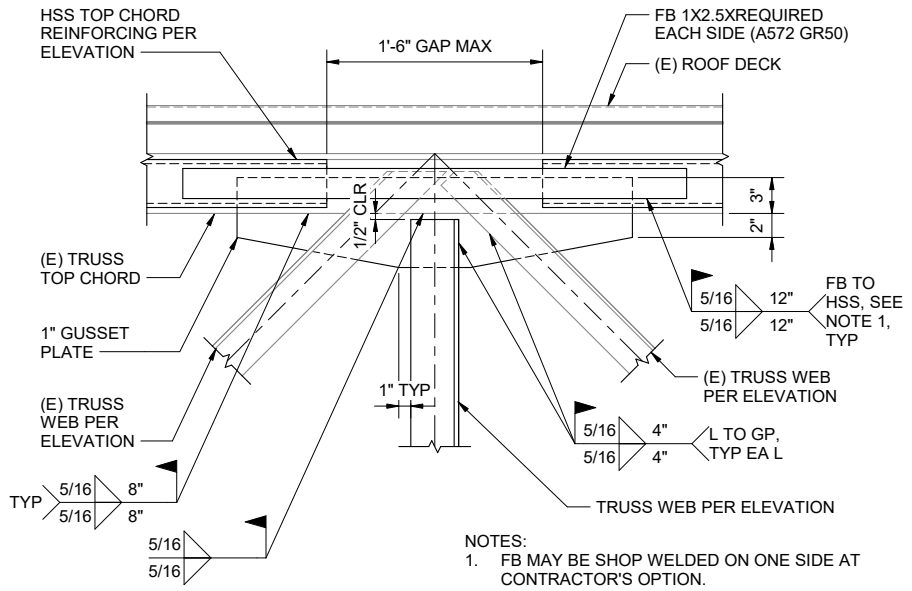
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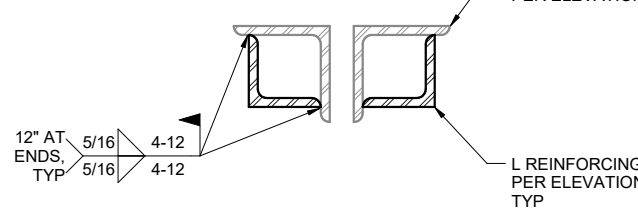
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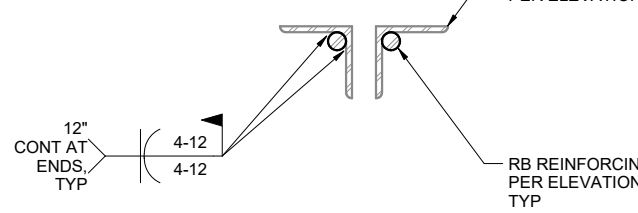
1 TRUSS REINFORCING DETAIL
S502 SCALE: 3/4" = 1'-0" 0 6" 1'-0" 2'-0"



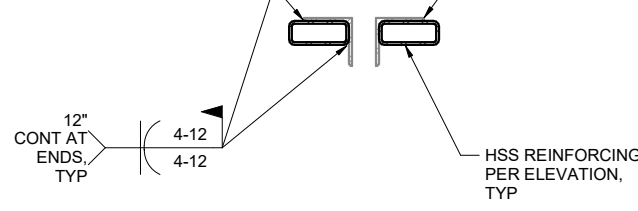
3 TRUSS TOP CHORD REINFORCING AT RIDGE DETAIL
S502 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



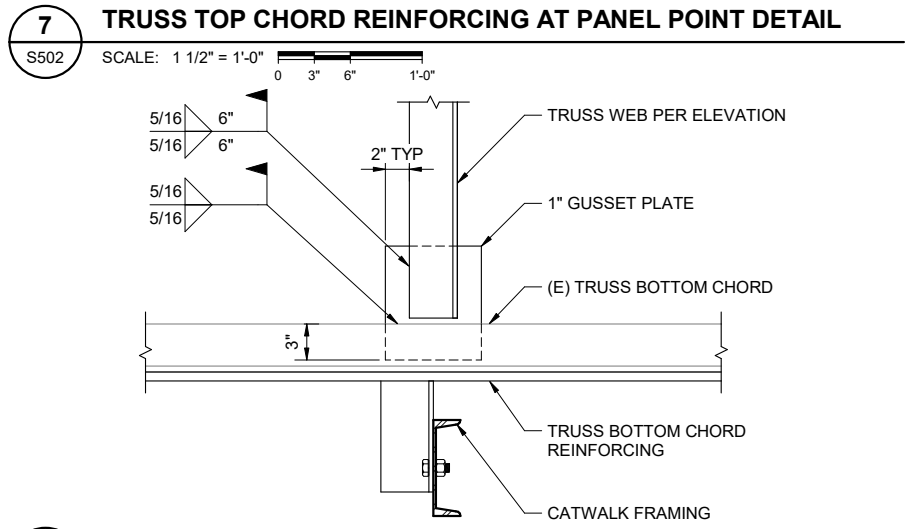
4 TYP TRUSS WEB L REINFORCING DETAIL
S502 SCALE: 3" = 1'-0" 0 1-1/2" 3" 6"



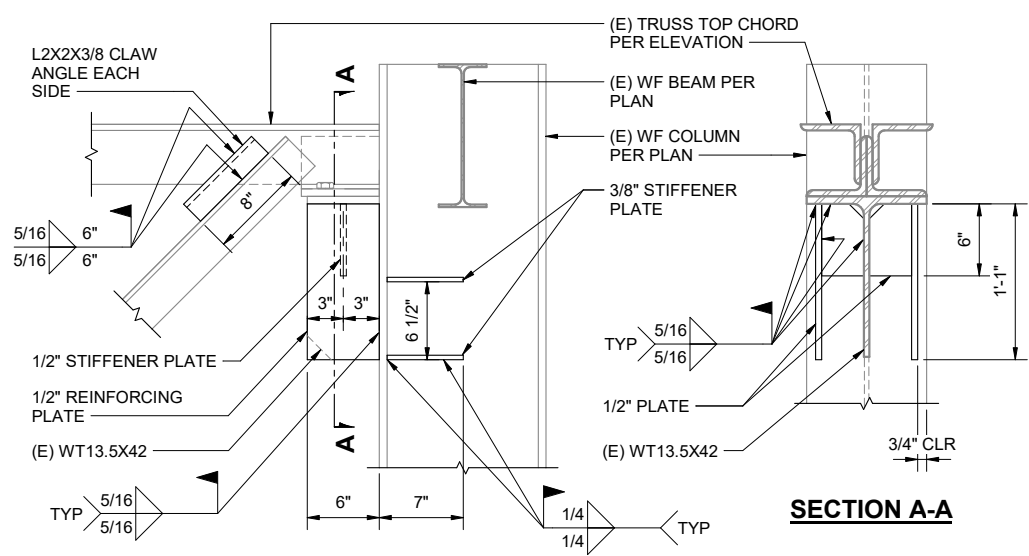
6 TYP TRUSS WEB RB REINFORCING DETAIL
S502 SCALE: 3" = 1'-0" 0 1-1/2" 3" 6"



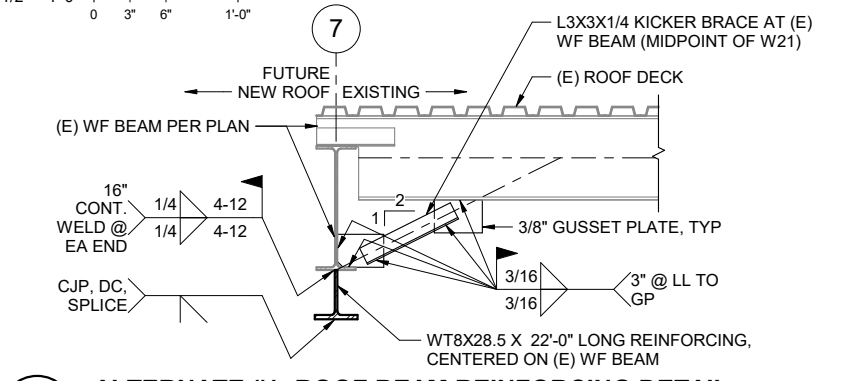
9 TYP TRUSS WEB HSS REINFORCING DETAIL
S502 SCALE: 3" = 1'-0" 0 1-1/2" 3" 6"



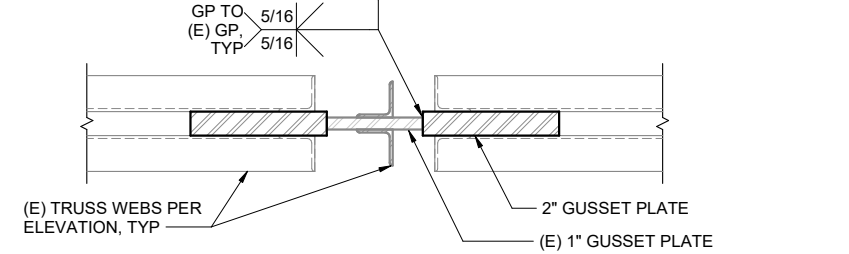
7 TRUSS TOP CHORD REINFORCING AT PANEL POINT DETAIL
S502 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



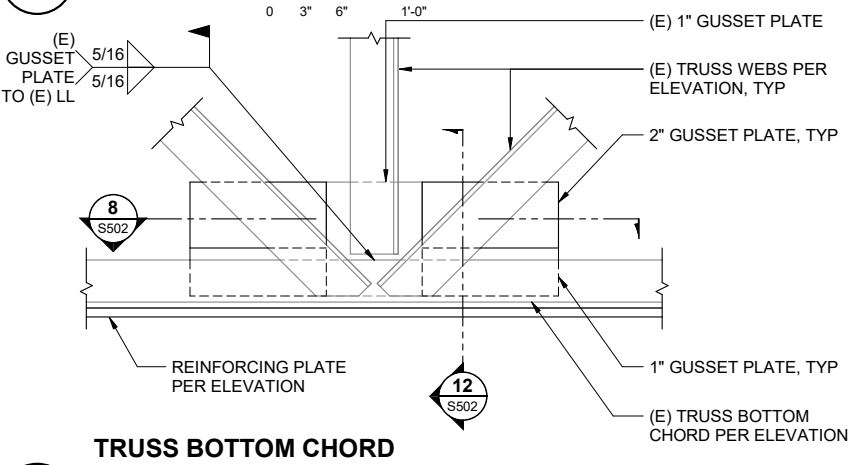
2 TRUSS SEAT REINFORCING DETAIL
S502 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



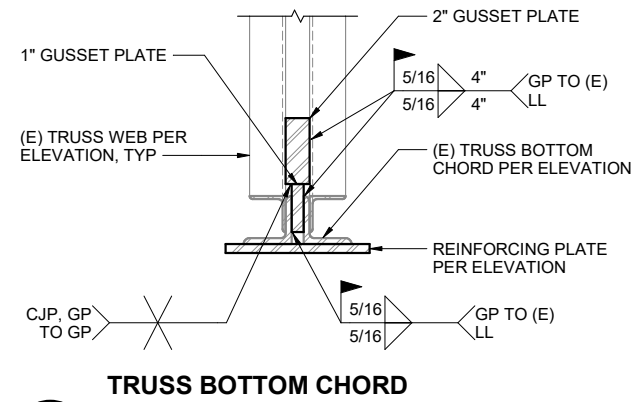
5 ALTERNATE #1: ROOF BEAM REINFORCING DETAIL
S502 SCALE: 3/4" = 1'-0" 0 6" 1'-0" 2'-0"



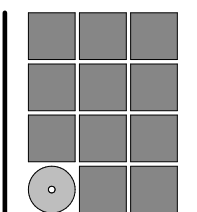
8 TRUSS BOTTOM CHORD REINFORCING DETAIL AT PANEL POINT
S502 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



11 TRUSS BOTTOM CHORD REINFORCING DETAIL AT PANEL POINT
S502 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



12 TRUSS BOTTOM CHORD REINFORCING DETAIL AT PANEL POINT
S502 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



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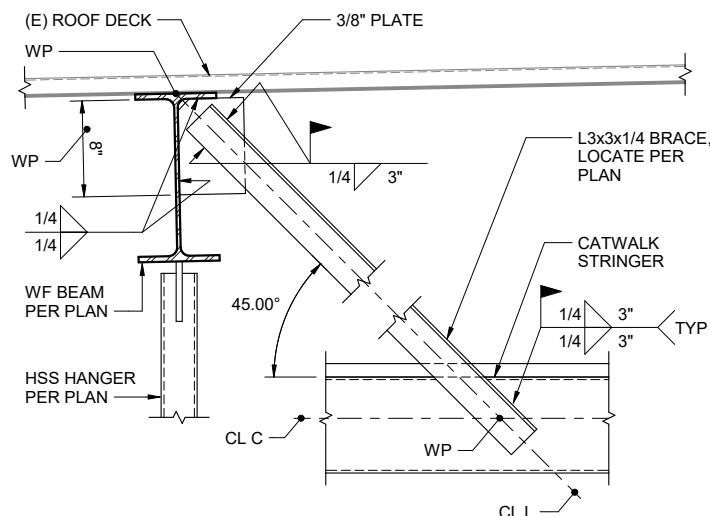
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TRUSS REINFORCING DETAILS

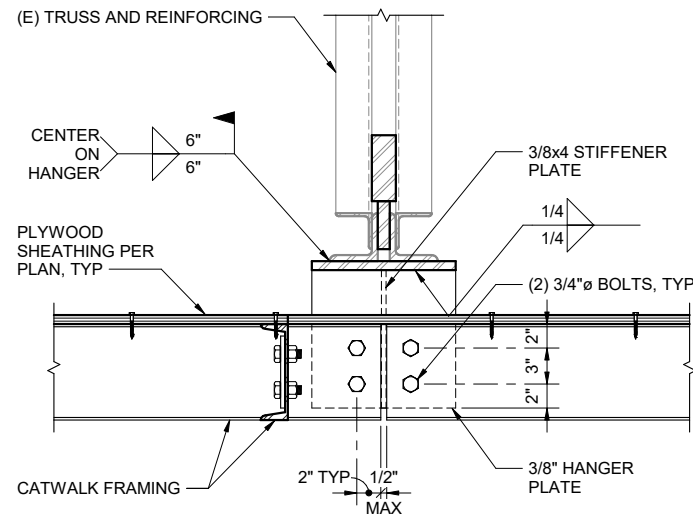
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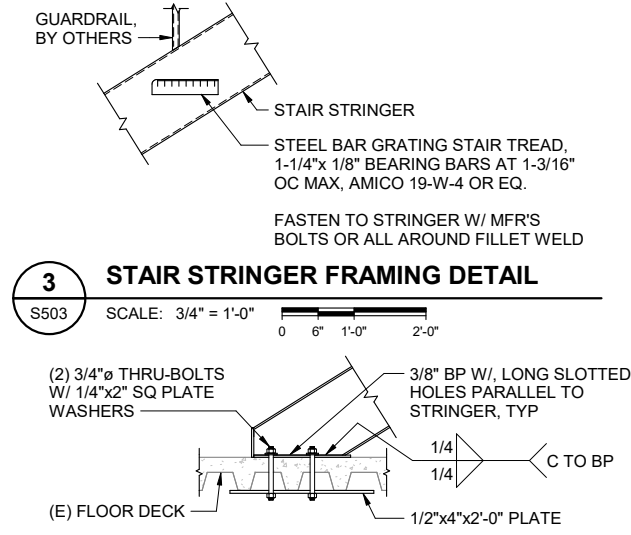
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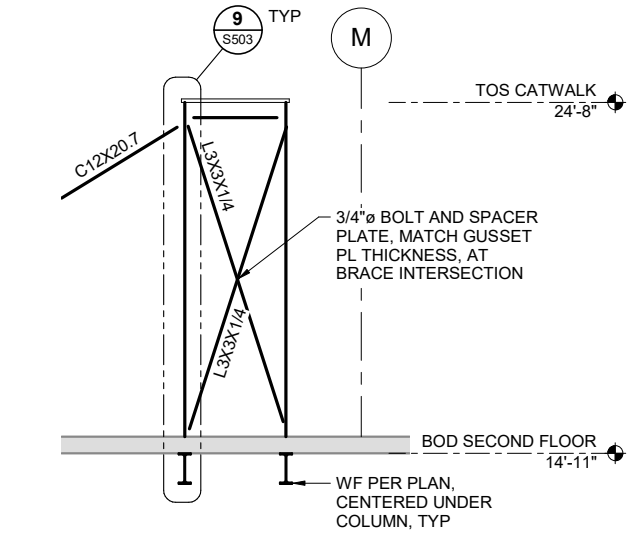
1 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



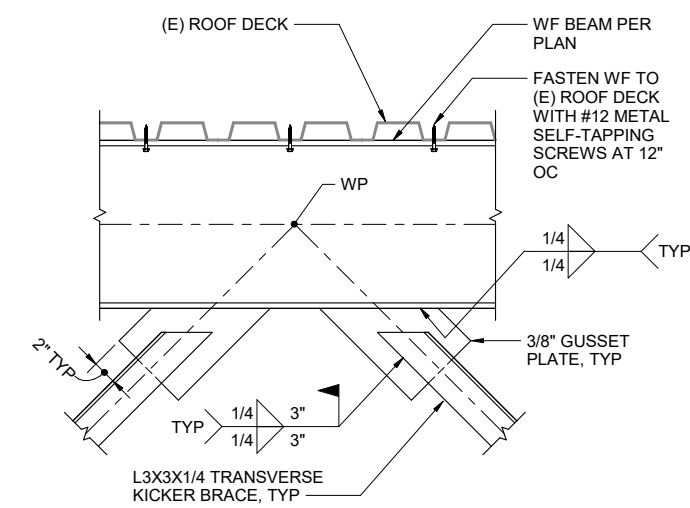
2 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



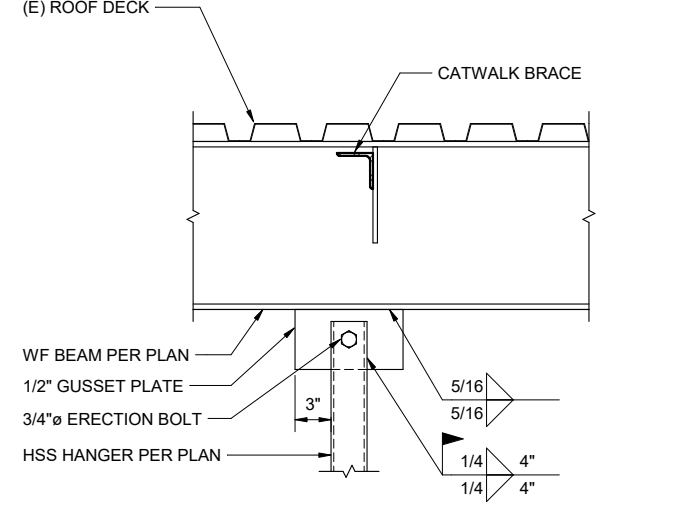
3 STAIR STRINGER FRAMING DETAIL
S503 SCALE: 3/4" = 1'-0"
0 6" 1'-0" 2'-0"



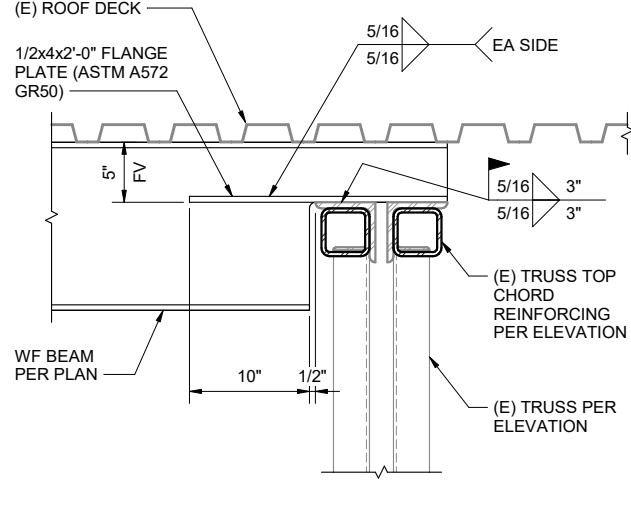
4 STAIR STRINGER FRAMING DETAIL
S503 SCALE: 3/4" = 1'-0"
0 6" 1'-0" 2'-0"



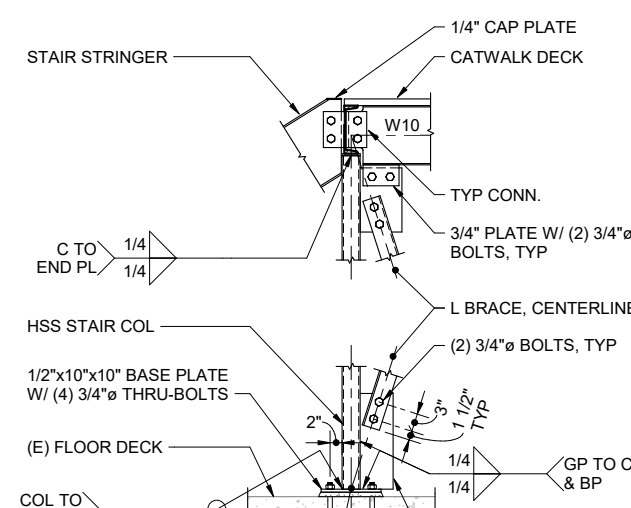
5 STAIR BRACED FRAME ELEVATION
S503 SCALE: 3/8" = 1'-0"
0 1'-0" 2'-0" 4'-0"



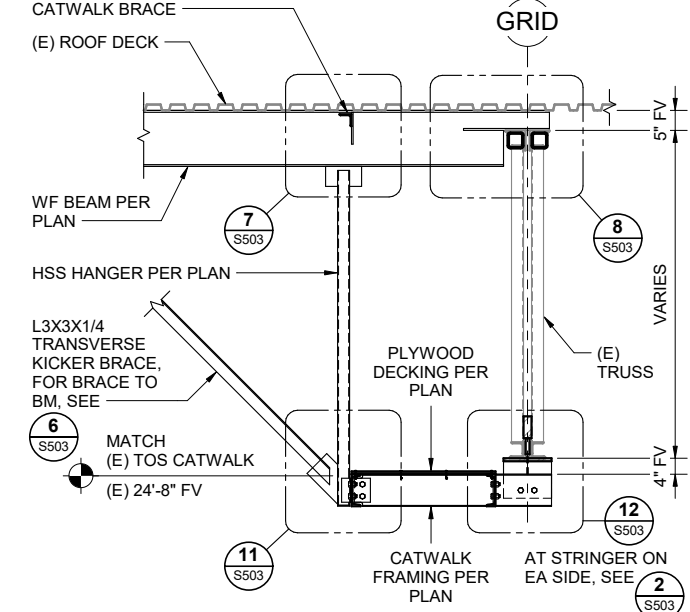
6 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



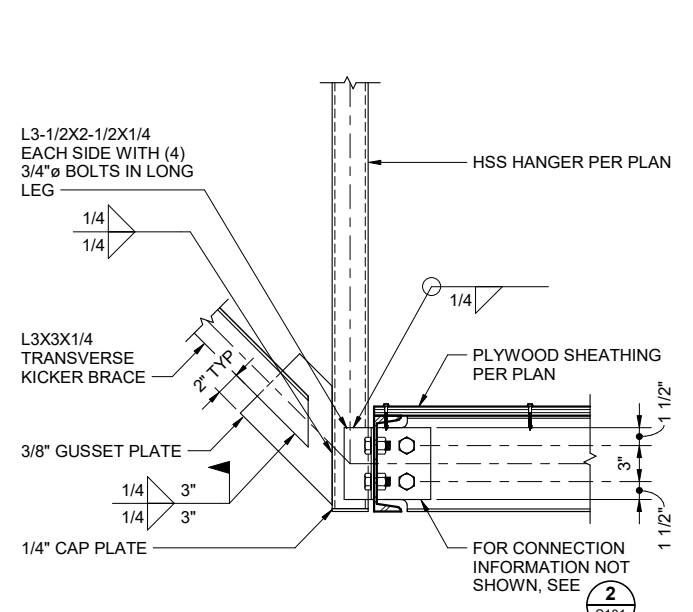
7 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



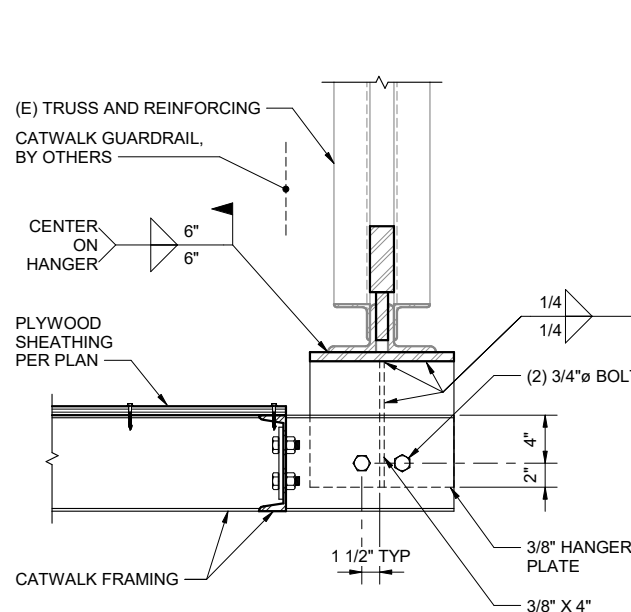
8 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



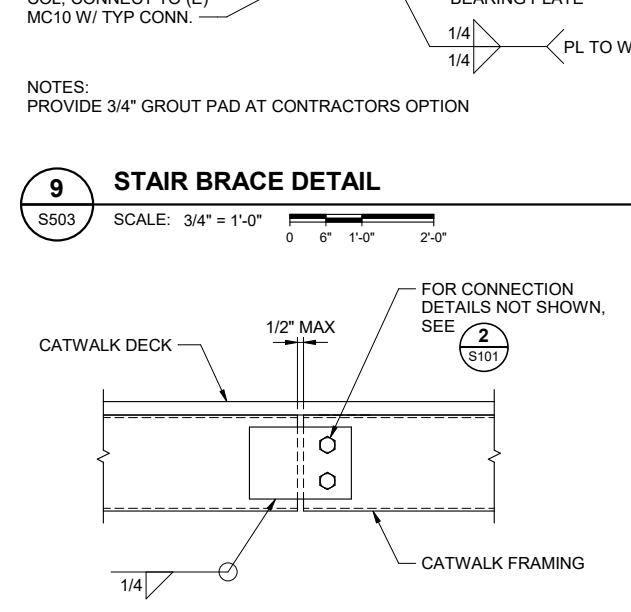
9 STAIR BRACE DETAIL
S503 SCALE: 3/4" = 1'-0"
0 6" 1'-0" 2'-0"



10 CATWALK FRAMING SECTION
S503 SCALE: 1/2" = 1'-0"
0 3" 6" 1'-0"



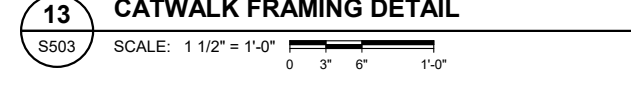
11 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



12 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



13 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"



14 CATWALK FRAMING DETAIL
S503 SCALE: 1 1/2" = 1'-0"
0 3" 6" 1'-0"

NOTES:
PROVIDE 3/4" GROUT PAD AT CONTRACTORS OPTION

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CITY AND BOROUGH OF JUNEAU
CENTENNIAL HALL
BALLROOM RENOVATION
CBJ Project No. BE22-204
Juneau, Alaska

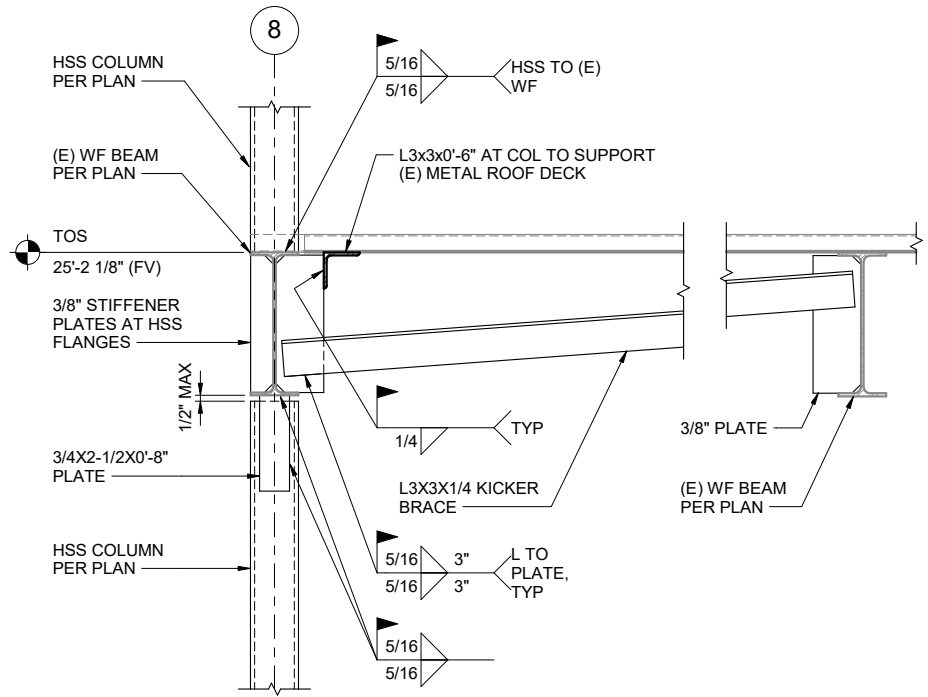
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CATWALK FRAMING DETAILS

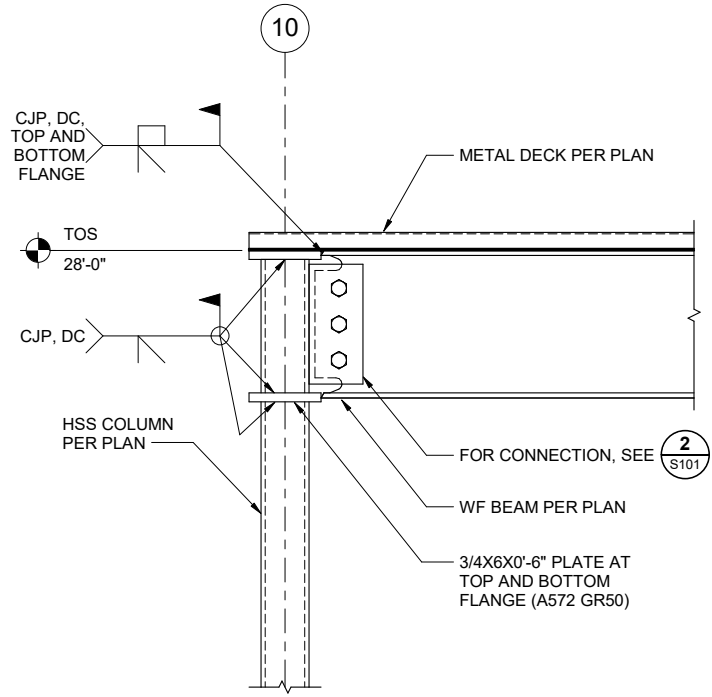
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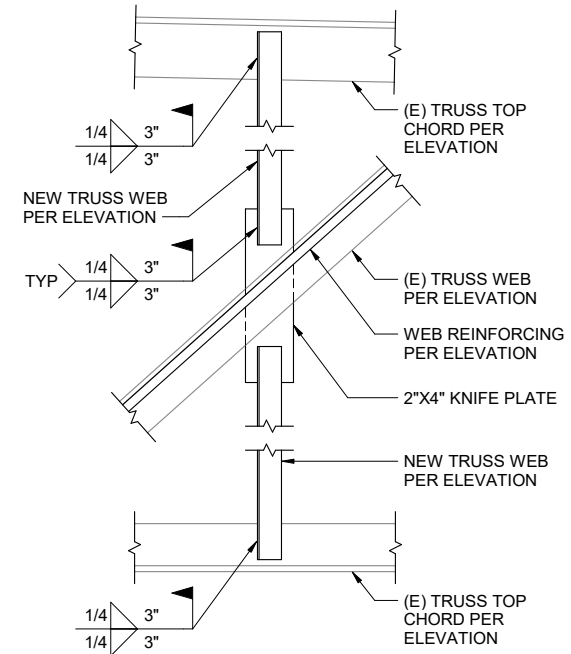
1 CANOPY COLUMN DETAIL

S504 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



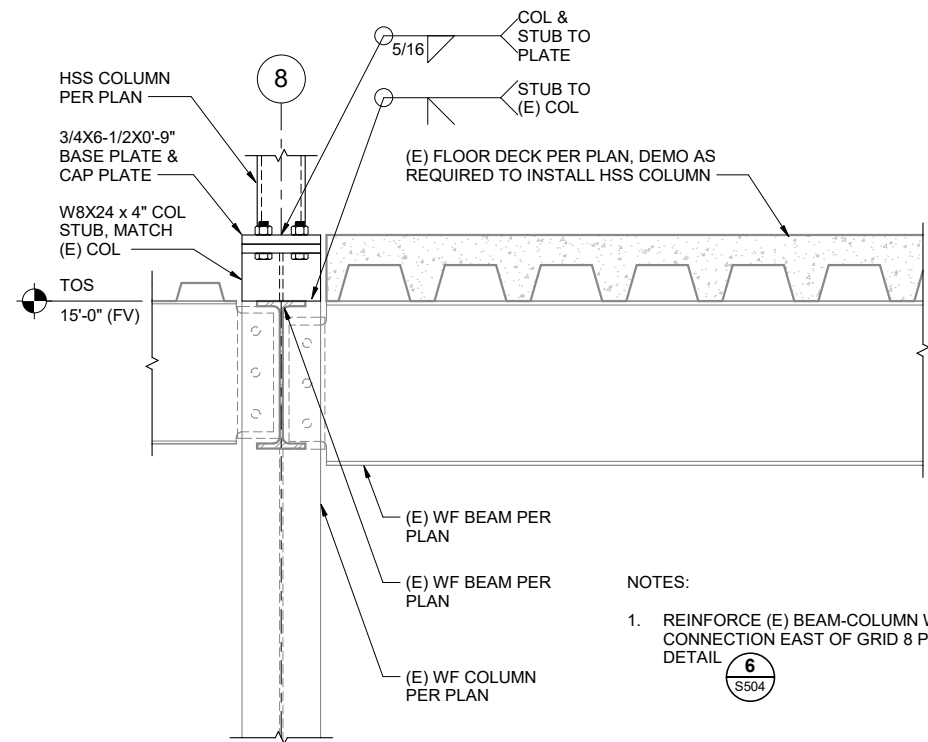
2 CANOPY MOMENT CONNECTION DETAIL

S504 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



3 TRUSS REINFORCING DETAIL AT NEW VERTICAL WEB

S504 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



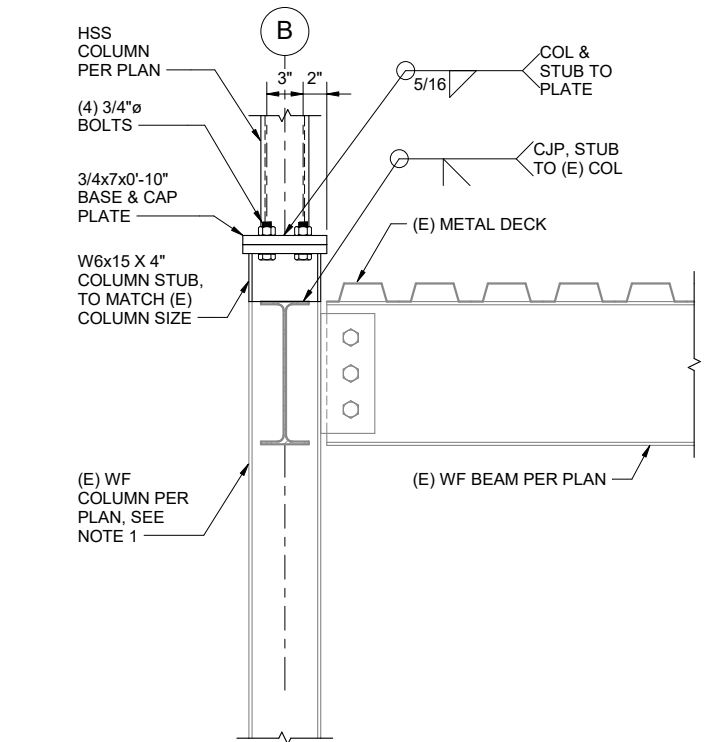
4 CANOPY COLUMN DETAIL

S504 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"

NOTES:

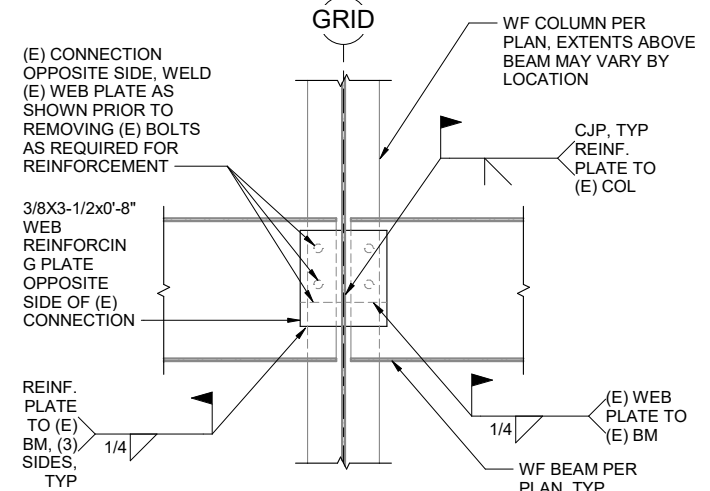
- REINFORCE (E) BEAM-COLUMN WEB CONNECTION EAST OF GRID 8 PER DETAIL **6**

S504



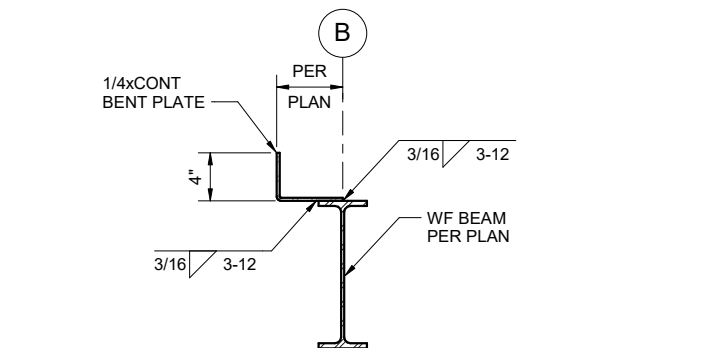
5 CANOPY COLUMN BASE DETAIL

S504 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"



6 CONNECTION UPGRADE DETAIL

S504 SCALE: 1 1/2" = 1'-0" 0 3" 6" 1'-0"

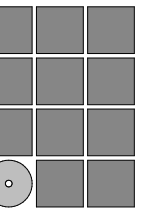


7 CANOPY ROOF FRAMING DETAIL

S504 SCALE: 1 1/2" = 1'-0" 0 9" 1'-6" 3'-0"

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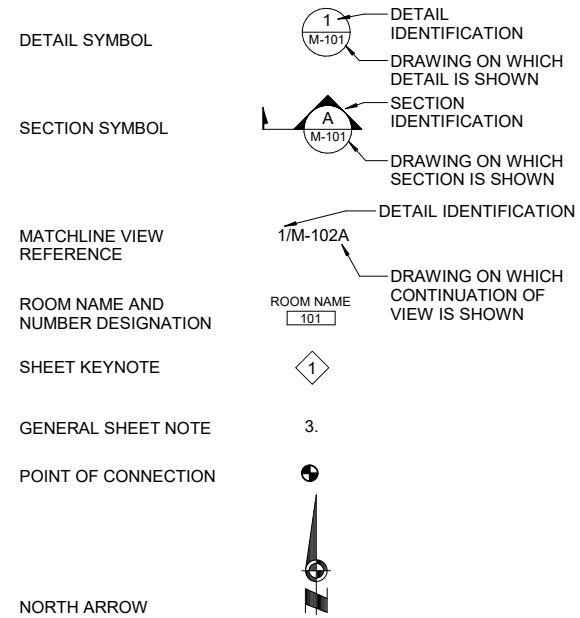
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CANOPY FRAMING DETAILS

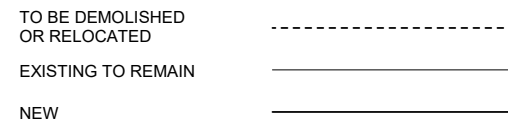
DATE: June 14, 2022
FILE: 20206JN

S504

GENERAL



CONSTRUCTION PHASE LIFESTYLE



MECHANICAL SHEET LIST	
SHEET NUMBER	SHEET NAME
M001	LEGENDS AND ABBREVIATIONS
M002	MECHANICAL SCHEDULES
MD200	DEMO UNDERFLOOR PLAN - OVERALL
MD201	DEMO 1st FLOOR PLAN - OVERALL
MD202	DEMO 2nd FLOOR & ROOF PLAN - OVERALL
MD401	DEMO 1st & 2nd FLOOR PLAN - ENLARGED
MD402	DEMO UNDERFLOOR & 1st FLOOR PLAN - ENLARGED KITCHEN
M200	UNDERFLOOR PLAN - OVERALL
M201	1st FLOOR PLAN - OVERALL
M202	2nd FLOOR & ROOM PLAN - OVERALL
M211	1st FLOOR PLAN - ENLARGED BALLROOMS
M212	2nd FLOOR PLAN - ENLARGED BALLROOMS
M401	1st & 2nd FLOOR PLAN - ENLARGED
M402	UNDERFLOOR & 1st FLOOR PLAN - ENLARGED KITCHEN
M403	2nd FLOOR PLAN - ENLARGED HEAT PUMP
M404	ENLARGED DUCT COIL SECTIONS
M501	CONTROL DIAGRAM AND LEGEND
M502	MECHANICAL DETAILS
M503	HEAT PUMP PIPING DIAGRAMS
M504	HEAT PUMP WIRING DIAGRAMS
M505	KITCHEN PHOTOS, DIAGRAM
M506	DETAILS

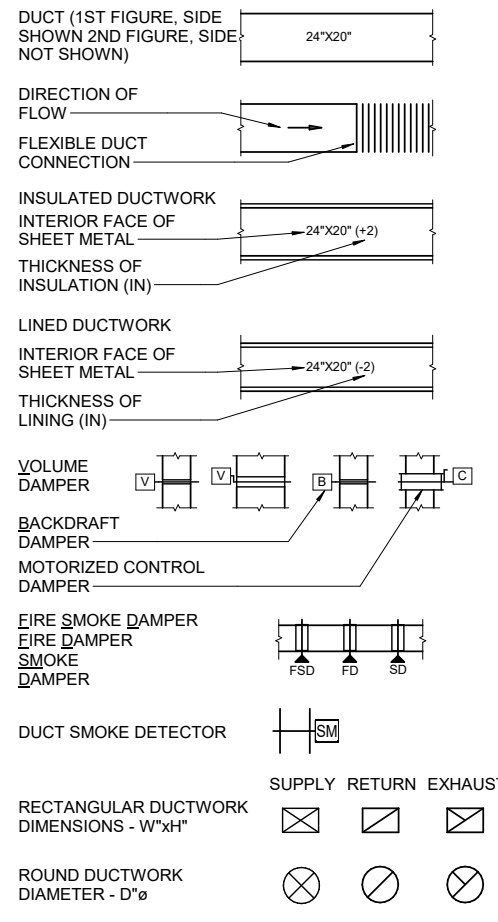
SHEET NOTES

- CONTRACTOR TO VERIFY AND COORDINATE ALL MECHANICAL AND PLUMBING ROUGH-IN REQUIREMENTS TO EQUIPMENT WITH MANUFACTURER'S APPROVED SHOP DRAWINGS PRIOR TO INSTALLATION. COORDINATION BETWEEN ALL TRADES REQUIRED.
- COORDINATE WORK WITH ARCHITECTURAL AND STRUCTURAL FEATURES, EQUIPMENT, AND ALL NEW AND EXISTING SYSTEMS IN ORDER THAT INTERFERENCE BETWEEN PIPING, EQUIPMENT, MECHANICAL HVAC, AND PLUMBING WORK AND BUILDING STRUCTURE AND OTHER TRADES IS AVOIDED.
- NOT ALL PIPING AND DUCTWORK OFFSETS AND TRANSITIONS REQUIRED TO INSTALL SYSTEM ARE SHOWN ON THESE DRAWINGS. FIELD MEASUREMENTS REQUIRED FOR INSTALLATION COORDINATION.
- SCALE SHOWN ON DRAWINGS IS GENERALLY FOR FULL SIZE PRINTS (22X34). UTILIZE GRAPHICAL SCALE FOR SMALLER SIZE SHEETS.
- SEE M501 FOR CONTROLS LEGEND.

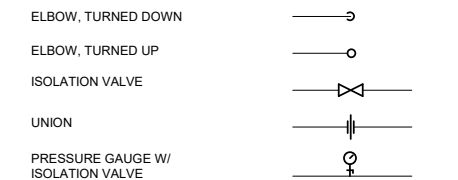
CODE NOTES

- THE DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE (IBC), THE 2012 INTERNATIONAL MECHANICAL CODE (IMC), THE 2012 INTERNATIONAL FIRE CODE (IFC), THE 2018 UNIFORM PLUMBING CODE (UPC), THE CURRENT ISSUE OF NFPA, AND THE CITY OF JUNEAU AND STATE OF ALASKA CODE MODIFICATIONS.
- PROJECT CONTAINS ALTERNATE WORK. SEE ARCHITECTURAL AND PROJECT SPECIFICATIONS FOR MORE INFORMATION.

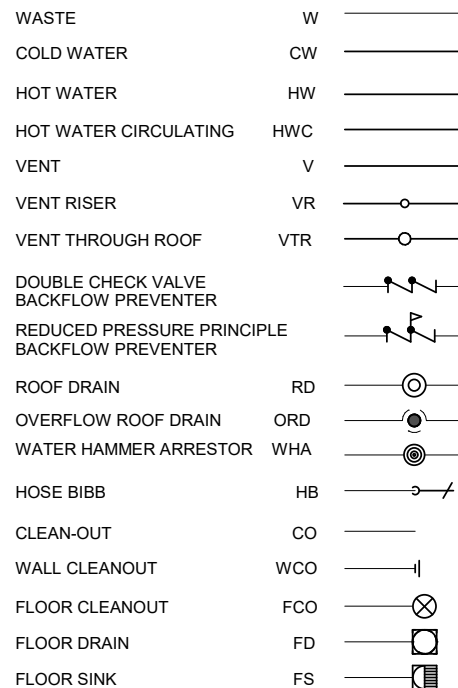
DUCT LEGEND



PIPE FITTINGS & VALVES



PLUMBING LEGEND

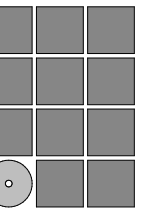


ABBREVIATIONS

ACFM	ACTUAL CUBIC FEET PER MINUTE	MISC	MISCELLANEOUS
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AHAP	AS HIGH AS POSSIBLE	NO	NORMALLY OPEN
AHU	AIR HANDLING UNIT	NO.	NUMBER
APD	AIR PRESSURE DROP	NPCW	NON POTABLE COLD WATER
APPROX	APPROXIMATE	OA	OUTSIDE AIR
BTU	BRITISH THERMAL UNIT	OC	ON CENTER
CD	CONDENSATE DRAIN	ORD	OVERFLOW ROOF DRAIN
CFM	CUBIC FEET PER MINUTE	ORL	OVERFLOW RAIN LEADER
CIRC	CIRCULATION	OSA	OUTSIDE AIR SUPPLY
CLNG	CEILING	P	PUMP
CO2	CARBON DIOXIDE	PD	PRESSURE DROP
CONT	CONTINUATION, CONTINUED	PDI	PLUMBING & DRAINAGE INSTITUTE
CP	CIRCULATING PUMP	PH	PHASE
CJ	COPPER	PHC	PRE HEAT COIL
CW	COLD WATER	POC	POINT OF CONNECTION
(D)	DEMOLISH	PRV	PRESSURE REDUCTION VALVE
DC	DUCT COIL	PSIG	POUNDS PER SQUARE INCH GAUGE
DDC	DIRECT DIGITAL CONTROLS	PSI	POUNDS PER SQUARE INCH
DF	DRINKING FOUNTAIN	(R)	RELOCATE
DIA	DIAMETER	RA	RETURN AIR
DHW/C	DOMESTIC HOT WATER CIRC	RG	RETURN GRILLE
DN	DOWN	RCP	RADIANT CEILING PANEL
DX	DIRECT EXPANSION	RD	ROOF DRAIN
(E)	EXISTING	RECIRC	RECIRCULATION
EA	EXHAUST AIR	RF	RETURN FAN
EAD	EXHAUST AIR DAMPER	RFL	REFRIGERANT LIQUID
EAT	ENTERING AIR TEMPERATURE	RFM	RADIANT FLOOR MANIFOLD
EBB	ELECTRIC BASEBOARD	RFS	REFRIGERANT SUCTION
EF	EXHAUST FAN	RHC	REHEAT HEATING COIL
EHC	ELECTRIC HEATING COIL	RL	RAINLEADER
ENT	ENTERING	RPBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
ET	EXPANSION TANK	RV	REFRIGERANT VAPOR
ESP	EXTERNAL STATIC PRESSURE	RWL	RAIN WATER LEADER
EUH	ELECTRIC UNIT HEATER	RZ	RADIANT ZONE
FCO	FLOOR CLEANOUT	SA	SUPPLY AIR
FCU	FAN COIL UNIT	SCH	SCHEDULE
FD	FIRE DAMPER	SQFT	SQUARE FEET
FD	FLOOR DRAIN	SF	SUPPLY FAN
FM	FORCED MAIN	SP	SUMP PUMP
FS	FLOOR SINK	SS	SERVICE SINK
FT	FEET	TA	TRANSFER AIR
FT	FINNED TUBE	TEMP	TEMPERATURE
FSD	FIRE SMOKE DAMPER	TDH	TOTAL DEVELOPED HEAD
GAL	GALLONS	TP	TRAP PRIMER
GALV	GALVANIZED	TSP	TOTAL STATIC PRESSURE
GPM	GALLONS PER MINUTE	TYP	TYPICAL
HB	HOSE BIBB	UL	UNDERWRITER'S LABORATORY
HC	HEATING COIL	UON	UNLESS OTHERWISE NOTED
HP	HORSE POWER	VAV	VARIABLE AIR VOLUME
HRV	HEAT RECOVERY VENTILATOR	VFD	VARIABLE FREQUENCY DRIVE
HW	HOT WATER	VRF	VARIABLE REFRIGERANT FLOW
HWC	HOT WATER CIRCULATION	VTR	VENT THROUGH ROOF
HWT	HOT WATER TANK	VR	VENT RISER
HX	HEAT EXCHANGER	W	WASTE
HZ	HERTZ	W/	WITH
ID	INSIDE DIAMETER	W.C.	WATER COLUMN
IN	INCHES	WCO	WALL CLEANOUT
L	LOUVER	WH	WATER HEATER
LAT	LEAVING AIR TEMPERATURE	WHA	WATER HAMMER ARRESTOR
LAV	LAVATORY	WPD	WATER PRESSURE DROP
LF	LINEAL FEET	WRT	WITH RESPECT TO
LVG	LEAVING		
MAX	MAXIMUM		
MBD	MULTIBLADE DAMPER		
MBH	THOUSAND BTU's PER HOUR		
MIN	MINIMUM		

ABBREVIATIONS FOR EXISTING EQUIPMENT

HVAC-1	HEATING, VENTILATION, AND AIR CONDITIONING UNIT
HP-1	HEAT PUMP
HV-1	HEATING AND VENTILATING UNIT
HRU	KITCHEN HOOD HEAT RECOVERY UNIT
H	HEATING UNIT
FTU	FAN TERMINAL UNIT
TU	TERMINAL UNIT
E-1	EXHAUST FAN
R/E-1	RETURN/EXHAUST FAN
MAF	MAKE-UP AIR FAN
KEF	KITCHEN EXHAUST FAN



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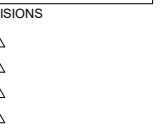
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CENTENNIAL HALL
BALLROOM RENOVATION
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Juneau, Alaska

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LEGENDS AND ABBREVIATIONS

DATE: June 14, 2022
FILE: 20206JN

M001

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AIR HANDLING UNIT SCHEDULE													
MARK	SERVICE	CAPACITY SA (CFM)	CAPACITY RA(CFM)	ESP (IN. W.C.)	TSP (IN. W.C.)	FAN TYPE	DRIVE	ELECTRICAL			BASIS OF DESIGN		COMMENTS
								SUPPLY FAN HP	V	PH	MANUFACTURER		
AHU-1	BALLROOM	17,400	15,500	1.5	3.2	DUAL PLENUM	DIRECT	(2)10,20HP TOTAL	480	3	MAFNA	CUSTOM AIR HANDLING UNIT. DUAL PLENUM SUPPLY FANS MERV 8 PRE-FILTER AND MERV 14 FINAL FILTER. MIXING BOX. SPACE FOR FUTURE COOLING COIL. 105 KW ELECTRIC HEATING COIL. VARIABLE FREQUENCY DRIVES.	

COIL SCHEDULE - ELECTRIC												
MARK	SERVICE	AIRFLOW (CFM)	CAPACITY (MBH)	AIR SIDE VALUES			ELECTRICAL DATA				COMMENTS	
				EAT (°F)	LAT (°F)	MAX APD (IN. WC)	KW	VOLTS	HZ	PHASE		
EHC-1	AHU-1	17,500	360	46	65	0.10	105	480	60	3	ELECTRIC HEATING COIL. OPEN TYPE COIL. SCR VERNIER CONTROL.PROVIDE WITH AHU-1 UNIT.	

FAN SCHEDULE														
MARK	SERVICE	CFM	TSP (IN. WC)	TYPE	DRIVE	RPM	ELECTRICAL				VFD	BASIS OF DESIGN		COMMENTS
							HP	V	HZ	PH		MANUFACTURER	MODEL	
RF-1	AHU-1 RETURN	15,600	1.5	MIXED-FLOW	BELT	613	10	480	60	3	Yes	GREENHECK	QE1-40	BELT DRIVEN MIXED AIRFLOW FAN. VARIABLE SPEED.

HEAT PUMP SCHEDULE												
MARK	HEAT PUMP TYPE	CAPACITY (MBH)	ELECTRICAL				BASIS OF DESIGN			COMMENTS		
			V	PH	MCA	MOCF	MANUFACTURER	MODEL				
HP-1A	AIR SOURCE - VRF	120	480	3	43.4	50	DAIKIN	RXLQ120TAYDA	HP-1A / 1B COMBINED INTO RELQ240TAYDU MODEL			
HP-1B	AIR SOURCE - VRF	120	480	3	43.4	50	DAIKIN	RXLQ120TAYDA	HP-1A / 1B COMBINED INTO RELQ240TAYDU MODEL			
HP-2A	AIR SOURCE - VRF	72	480	3	28.1	35	DAIKIN	RXLQ72TAYDA	HP-2A / 2B COMBINED INTO RELQ144TAYDU MODEL			
HP-2B	AIR SOURCE - VRF	72	480	3	28.1	35	DAIKIN	RXLQ72TAYDA	HP-2A / 2B COMBINED INTO RELQ144TAYDU MODEL			
HP-3A	AIR SOURCE - VRF	96	480	3	39.8	45	DAIKIN	RXLQ96TAYDA	HP-3A / 3B COMBINED INTO RELQ192TAYDU MODEL			
HP-3B	AIR SOURCE - VRF	96	480	3	39.8	45	DAIKIN	RXLQ96TAYDA	HP-3A / 3B COMBINED INTO RELQ192TAYDU MODEL			

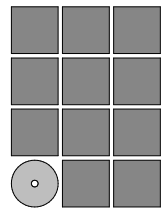
VRF COIL SCHEDULE												
MARK	SERVICE	CFM	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	REFRIGERANT TYPE	AIR SIDE HEATING			AIR SIDE COOLING		COMMENTS	
						EAT (°F)	LAT (°F)	MAX APD (IN. W.C.)	EAT (DB°F)	LAT (DB°F)		
DC-1	BALLROOM	900	26	9.9	R-410A	65	75	0.35	76	55	PROVIDE DAIKIN Z-CONTROL KIT OR EQUIVALENT FOR INTEGRATION WITH VENTILATION SYSTEM TO CONTROL ROOM SETPOINT.	
DC-2	BALLROOM	3300	79	36.3	R-410A	65	75	0.35	76	55	PROVIDE DAIKIN Z-CONTROL KIT OR EQUIVALENT FOR INTEGRATION WITH VENTILATION SYSTEM TO CONTROL ROOM SETPOINT.	
DC-3	BALLROOM	3300	79	36.3	R-410A	65	75	0.35	76	55	PROVIDE DAIKIN Z-CONTROL KIT OR EQUIVALENT FOR INTEGRATION WITH VENTILATION SYSTEM TO CONTROL ROOM SETPOINT.	
DC-4	BALLROOM	3750	110	41.3	R-410A	65	75	0.35	76	55	PROVIDE DAIKIN Z-CONTROL KIT OR EQUIVALENT FOR INTEGRATION WITH VENTILATION SYSTEM TO CONTROL ROOM SETPOINT.	
DC-5	BALLROOM	3450	79	38.0	R-410A	65	75	0.35	76	55	PROVIDE DAIKIN Z-CONTROL KIT OR EQUIVALENT FOR INTEGRATION WITH VENTILATION SYSTEM TO CONTROL ROOM SETPOINT.	
DC-6	BALLROOM	2700	76	29.2	R-410A	65	75	0.35	76	55	PROVIDE DAIKIN Z-CONTROL KIT OR EQUIVALENT FOR INTEGRATION WITH VENTILATION SYSTEM TO CONTROL ROOM SETPOINT.	

PLUMBING FIXTURE SCHEDULE												
NOTES: (R) SINK AND FS-1 ARE PART OF ALTERNATE 1 WORK.												
MARK	FIXTURE DESCRIPTION	MANUFACTURER	MODEL	HW/TW	CW	TRAP	WASTE	VENT	COMMENTS			
(R)SINK	(E) HANDWASH SINK			1/2"	1/2"		2"	2"	(R) WALL MOUNTED STAINLESS STEEL HANDSWASH SINK. REUSE MOUNTING HARDWARE.			
FS-1	FLOOR SINK	ZURN	Z-1900	--	--	1/2"	3"	2"	12"X12"X6" ENAMEL COATED CAST IRON BODY. DOME STRAINER, 1/2" GRATE COVER.			
RD-1	ROOF DRAIN	ZURN	Z-100	--	--	--	3"	--	CAST IRON BODY, ALUMINUM DOME, NO HUB CONNECTION, 3" OUTLET			

EXPANSION TANK SCHEDULE												
NOTES: ET-1 IS PART OF ALTERNATE 1 WORK.												
MARK	SYSTEM	PRESSURE (PSIG)	BASIS OF DESIGN		COMMENTS							
			MANUFACTURER	MODEL								
ET-1	(R)ICE MAKER	150	AMTROL	ST-1	POINT OF USE EXPANSION TANK. COMPOSITE SHELL WITH SS WATERWAY.							

PUMP SCHEDULE												
MARK	LOCATION	SERVICE	FLOW (GPH)	HEAD (FT)	FLUID	ELECTRICAL			BASIS OF DESIGN		COMMENTS	
						HP	V	PH	MANUFACTURER	MODEL		
CP-1	CATWALK	DC-4 CONDENSATE	25	10	CONDENSATE	1/50	115	1	FRANKLIN ELECTRIC	VCMA-15	PREPACKAGED CONDSATE PUMP. AUTOMATIC START AND STOP. 1/2-GAL COLLECTION TANK. INTEGRAL CHECK VALVE. WALL MOUNTING KIT.	
CP-2	CATWALK	DC-5 CONDENSATE	25	10	CONDENSATE	1/50	115	1	FRANKLIN ELECTRIC	VCMA-15	PREPACKAGED CONDSATE PUMP. AUTOMATIC START AND STOP. 1/2-GAL COLLECTION TANK. INTEGRAL CHECK VALVE. WALL MOUNTING KIT.	
CP-3	CATWALK	DC-6 CONDENSATE	25	10	CONDENSATE	1/50	115	1	FRANKLIN ELECTRIC	VCMA-15	PREPACKAGED CONDSATE PUMP. AUTOMATIC START AND STOP. 1/2-GAL COLLECTION TANK. INTEGRAL CHECK VALVE. WALL MOUNTING KIT.	

SOUND ATTENUATOR SCHEDULE												
NOTE: SA-1 IS PART OF ALTERNATE 1 WORK.												
MARK	SERVICE	LENGTH	MAX CFM	DESIGN VELOCITY (FPM)	PRESSURE DROP	ATTENUATOR DIM. (W"XH")	BASIS OF DESIGN		COMMENTS			
							MANUFACTURER	MODEL				
SA-1	RF-1	60"	3000	1100	0.25	24"X18"	RUSKIN	MLF-60	INLINE DUCT SOUND ATTENUATOR.			



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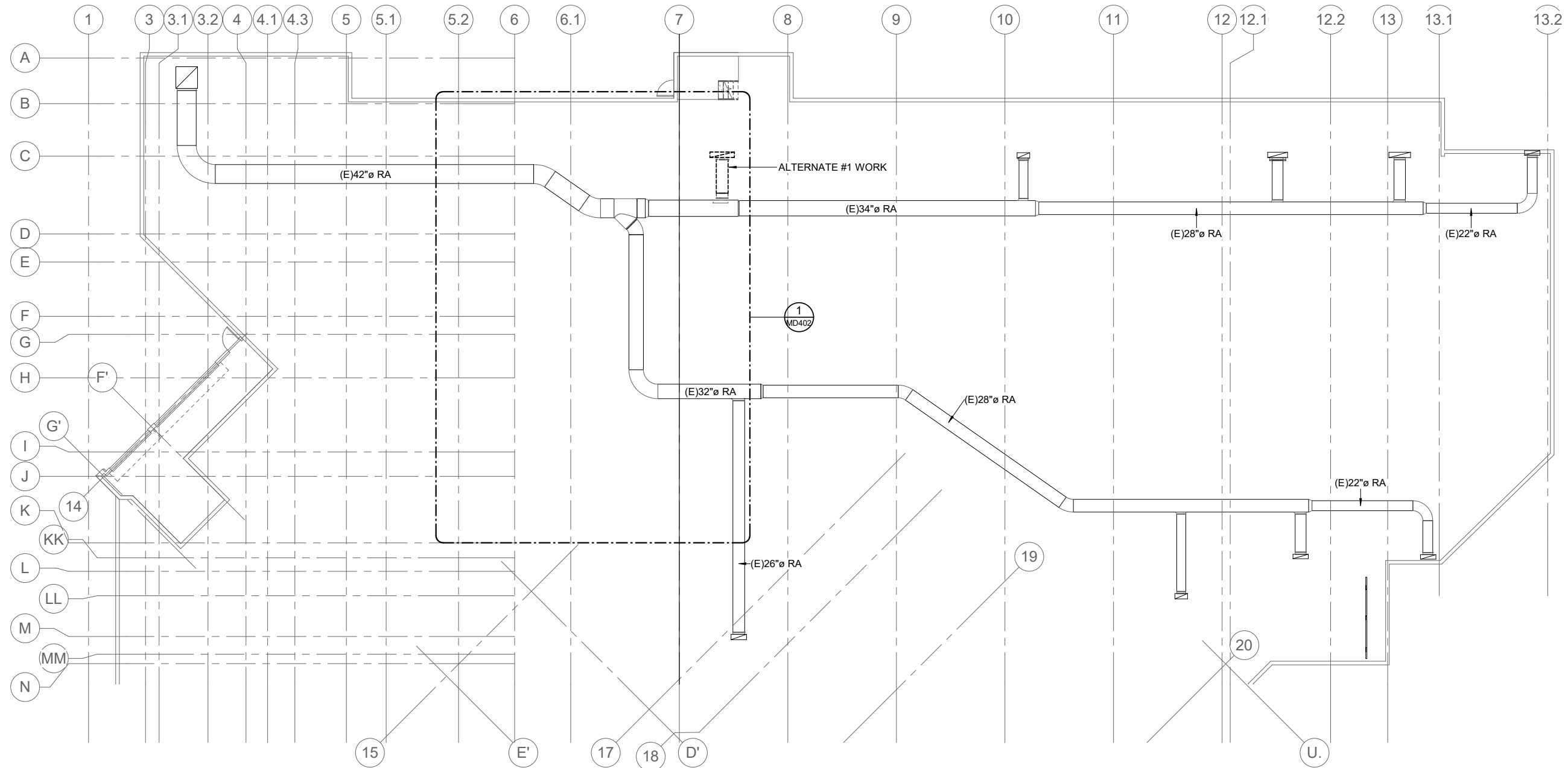
SHEET TITLE
MECHANICAL SCHEDULES

DATE: June 14, 2022
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M002

SHEET NOTES

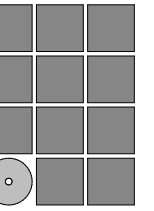
1. ALL UNDERGROUND DUCTWORK SHALL BE RETAINED AND REUSED, UNLESS OTHERWISE NOTED.



1 UNDERFLOOR PLAN - DEMO
 MD200 SCALE: 3/32" = 1'-0"
 0 4'-0" 8'-0" 16'-0"

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CENTENNIAL HALL
BALLROOM RENOVATION**
 CBJ Project No. BE22-204
 Juneau, Alaska

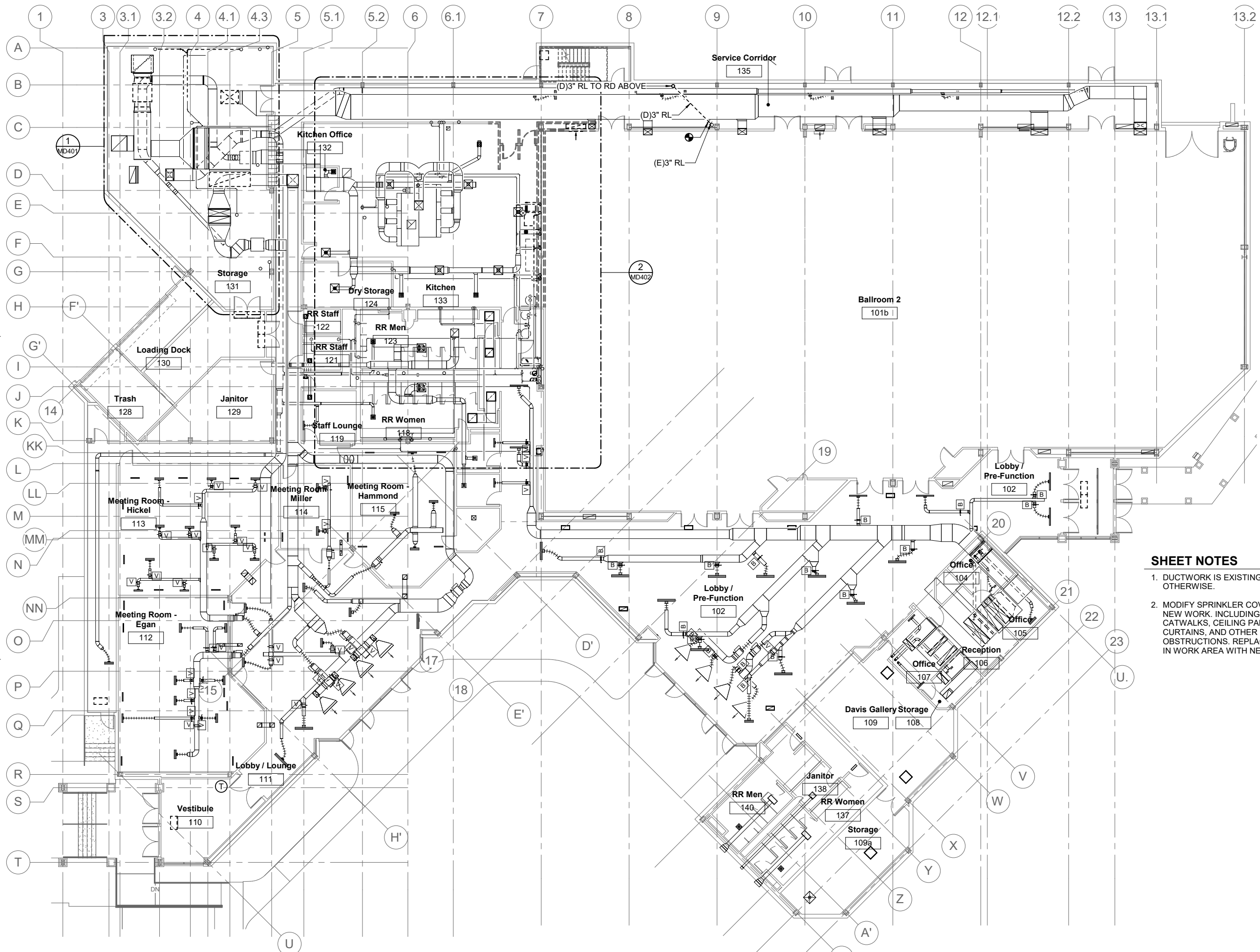
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SHEET TITLE
DEMO UNDERFLOOR PLAN - OVERALL

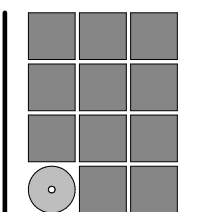
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MD200



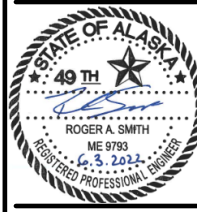
- SHEET NOTES**
1. DUCTWORK IS EXISTING UNLESS SHOWN OTHERWISE.
 2. MODIFY SPRINKLER COVERAGE AS REQUIRED FOR NEW WORK, INCLUDING MODIFICATIONS TO CATWALKS, CEILING PANELS, DUCTWORK, CURTAINS, AND OTHER NEW OR MODIFIED OBSTRUCTIONS. REPLACE ALL SPRINKLER HEADS IN WORK AREA WITH NEW.

1 OVERALL FIRST FLOOR PLAN - DEMO
 MD201 SCALE: 3/32" = 1'-0"
 0 4'-0" 8'-0" 16'-0"



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SHEET TITLE
DEMO 1st FLOOR PLAN - OVERALL

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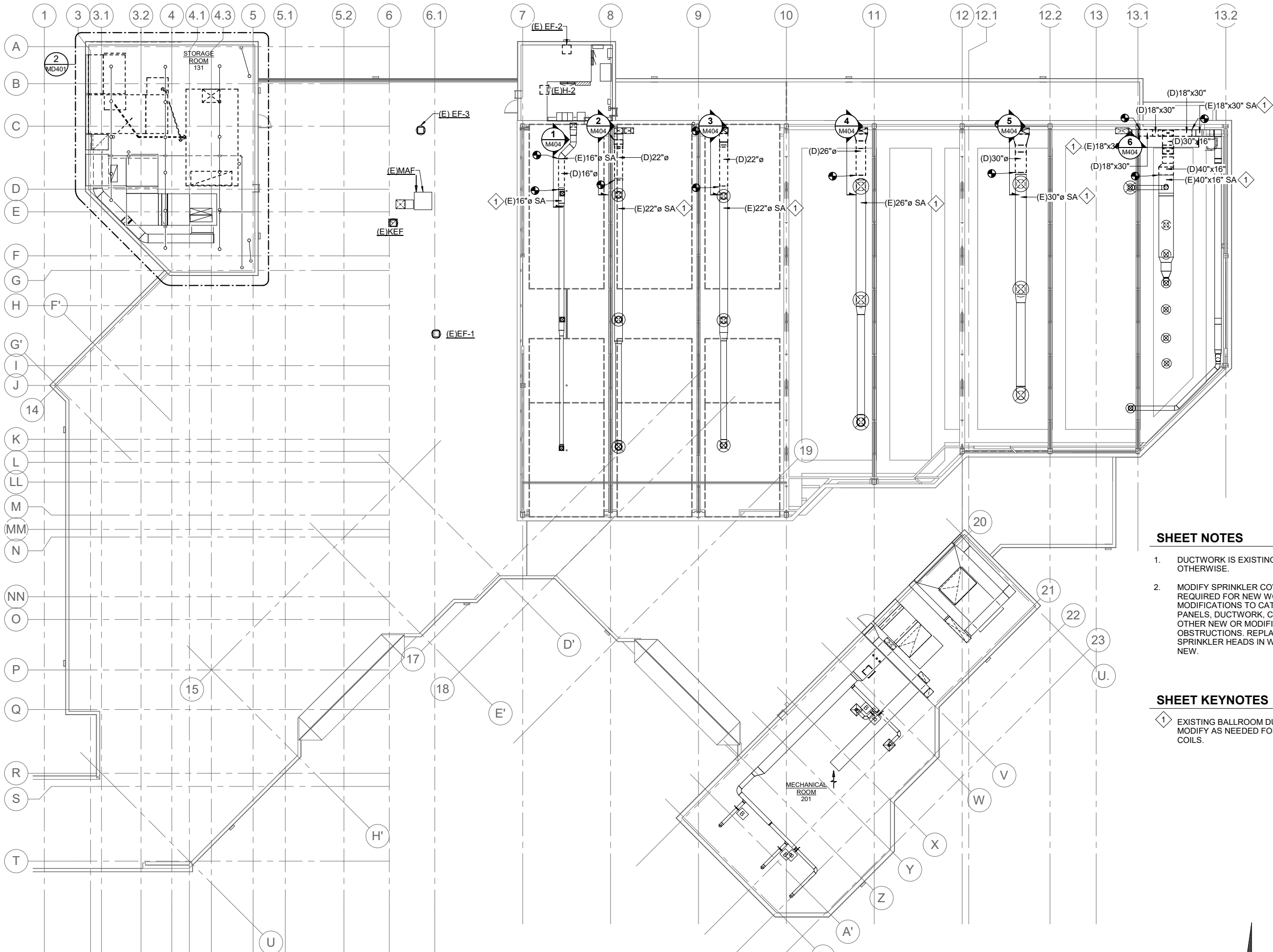
MD201

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SHEET NOTES

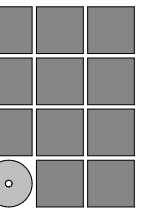
1. DUCTWORK IS EXISTING UNLESS SHOWN OTHERWISE.
2. MODIFY SPRINKLER COVERAGE AS REQUIRED FOR NEW WORK. INCLUDING MODIFICATIONS TO CATWALKS, CEILING PANELS, DUCTWORK, CURTAINS, AND OTHER NEW OR MODIFIED OBSTRUCTIONS. REPLACE ALL SPRINKLER HEADS IN WORK AREA WITH NEW.

SHEET KEYNOTES

- 1 EXISTING BALLROOM DUCTWORK TO REMAIN. MODIFY AS NEEDED FOR NEW VRF DUCT COILS.

1 OVERALL ROOF AND UPPER FLOOR PLAN - DEMO

MD202 SCALE: 3/32" = 1'-0" 0 4'-0" 8'-0" 16'-0"



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DEMO 2nd FLOOR & ROOF PLAN - OVERALL

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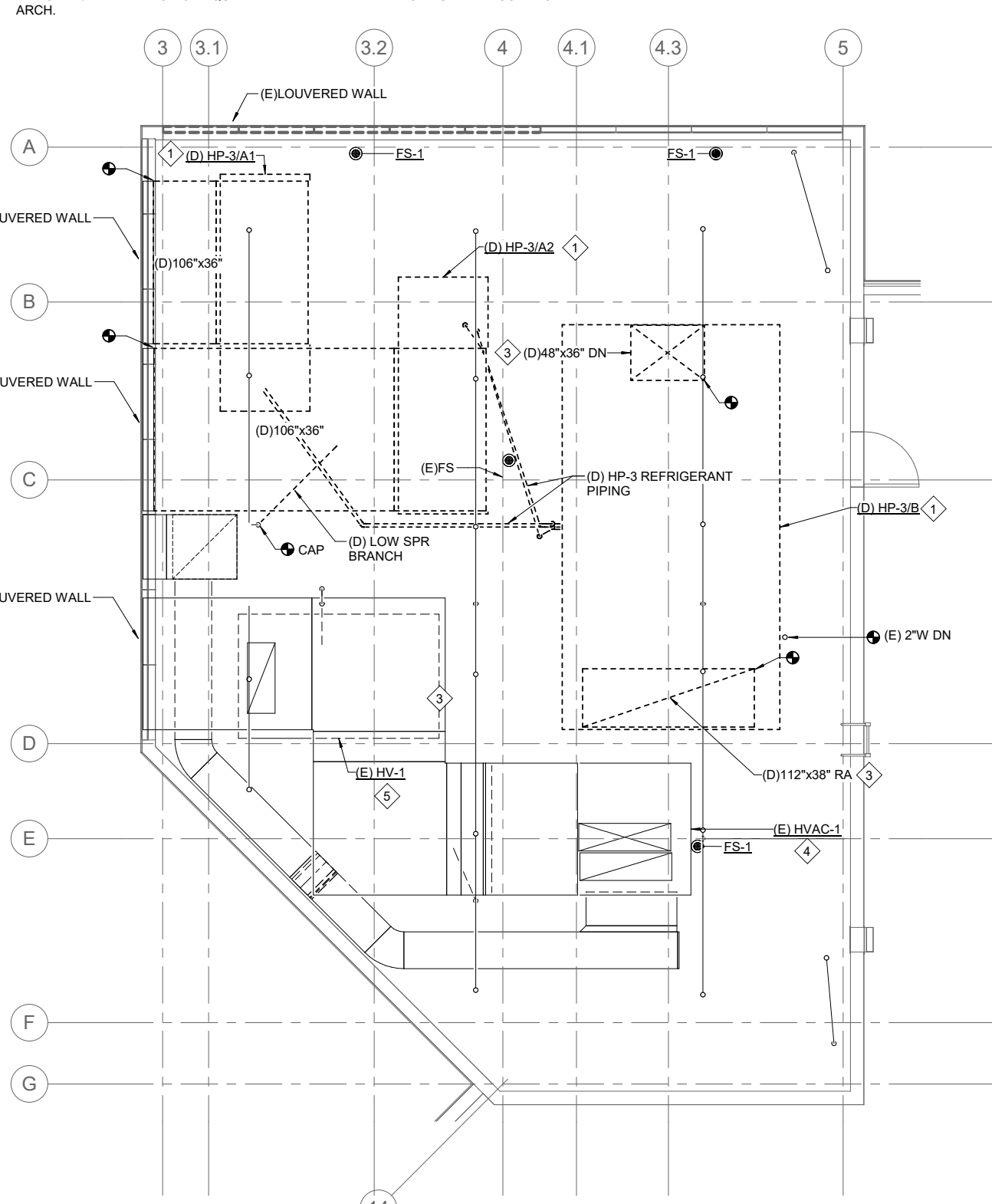
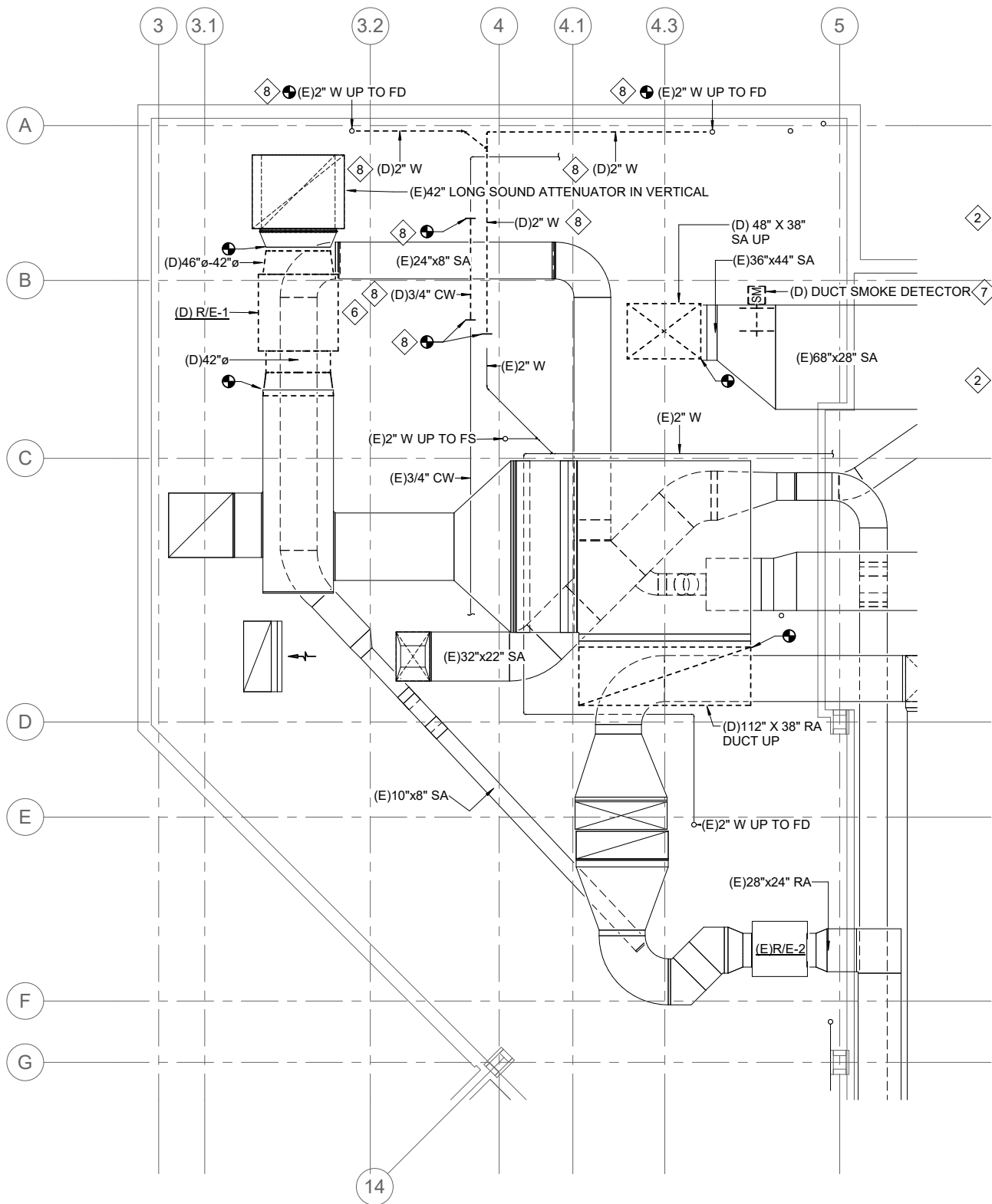
MD202

SHEET NOTES

1. DUCTWORK IS EXISTING UNLESS SHOWN OTHERWISE.
2. MODIFY DRY SPPRINKLER COVERAGE IN PENTHOUSE AS NEEDED DUE TO DEMO AND NEW WORK. REPLACE HEADS IN WORK AREA.

SHEET KEYNOTES

- 1 DEMOLISH HP-3/B AIR HANDLER, AND ASSOCIATED HP-3/A1 AND HP-3/A2 HEAT PUMP UNITS, INCLUDING ALL RELATED DUCTWORK, ELECTRICAL, REFRIGERANT PIPING, CONTROLS AND APPURTENANCES.
- 2 REMOVE LOUVER WALL AS REQUIRED FOR REMOVAL /INSTALLATION OF EQUIPMENT. SEE ARCH.
- 3 RE-USE EXISTING SUPPLY AIR AND RETURN AIR FLOOR PENETRATIONS.
- 4 RETAIN EXISTING HVAC-1 SYSTEM, DUCTS, ELECTRICAL, AND CONTROLS.
- 5 RETAIN EXISTING HV-1 SYSTEM, DUCTS, ELECTRICAL AND CONTROLS.
- 6 DEMOLISH R/E-1 RETURN FAN. PREPARE FOR INSTALLATION OF RF-1 UNIT.
- 7 SEAL DUCT PENETRATION.
- 8 ALTERNATE #1 WORK.



1 STORAGE ROOM ENLARGED PLAN - DEMO

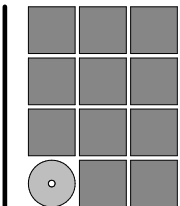
MD401 SCALE: 1/4" = 1'-0"

2 NORTH MECHANICAL ROOM ENLARGED PLAN - DEMO

MD401 SCALE: 1/4" = 1'-0"

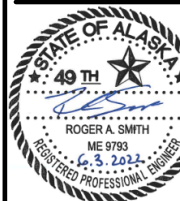
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SHEET TITLE
DEMO 1st & 2nd FLOOR PLAN - ENLARGED

DATE: June 14, 2022
FILE: 20206JN

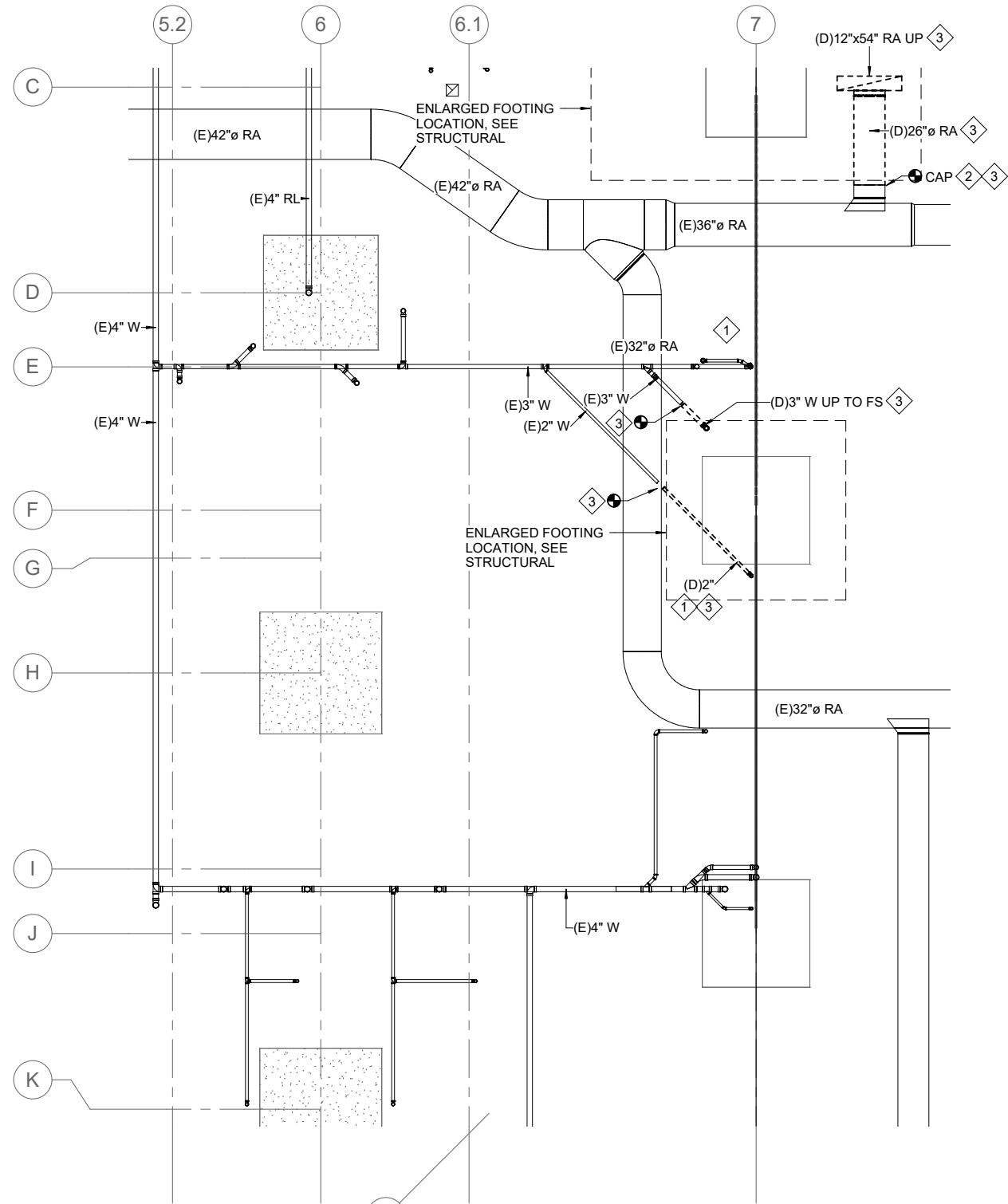
MD401

SHEET KEYNOTES

- 1 ALTERNATE #1 WORK. REMOVE / REINSTALL MECHANICAL SYSTEMS ALONG GRID 7 AND GRID C WALL TO ACCOMODATE STRUCTURAL UPGRADE WORK. REMOVE AND RETAIN EXISTING EQUIPMENT OR PLUMBING FIXTURE. CLEAN, STORE, AND PROTECT EQUIPMENT OR FIXTURE UNTIL REINSTALLATION.
- 2 ALL UNDERGROUND DICTWORK SHALL BE RETAINED AND REUSED, UNLESS OTHERWISE NOTED.
- 3 ALTERNATE #1 WORK.

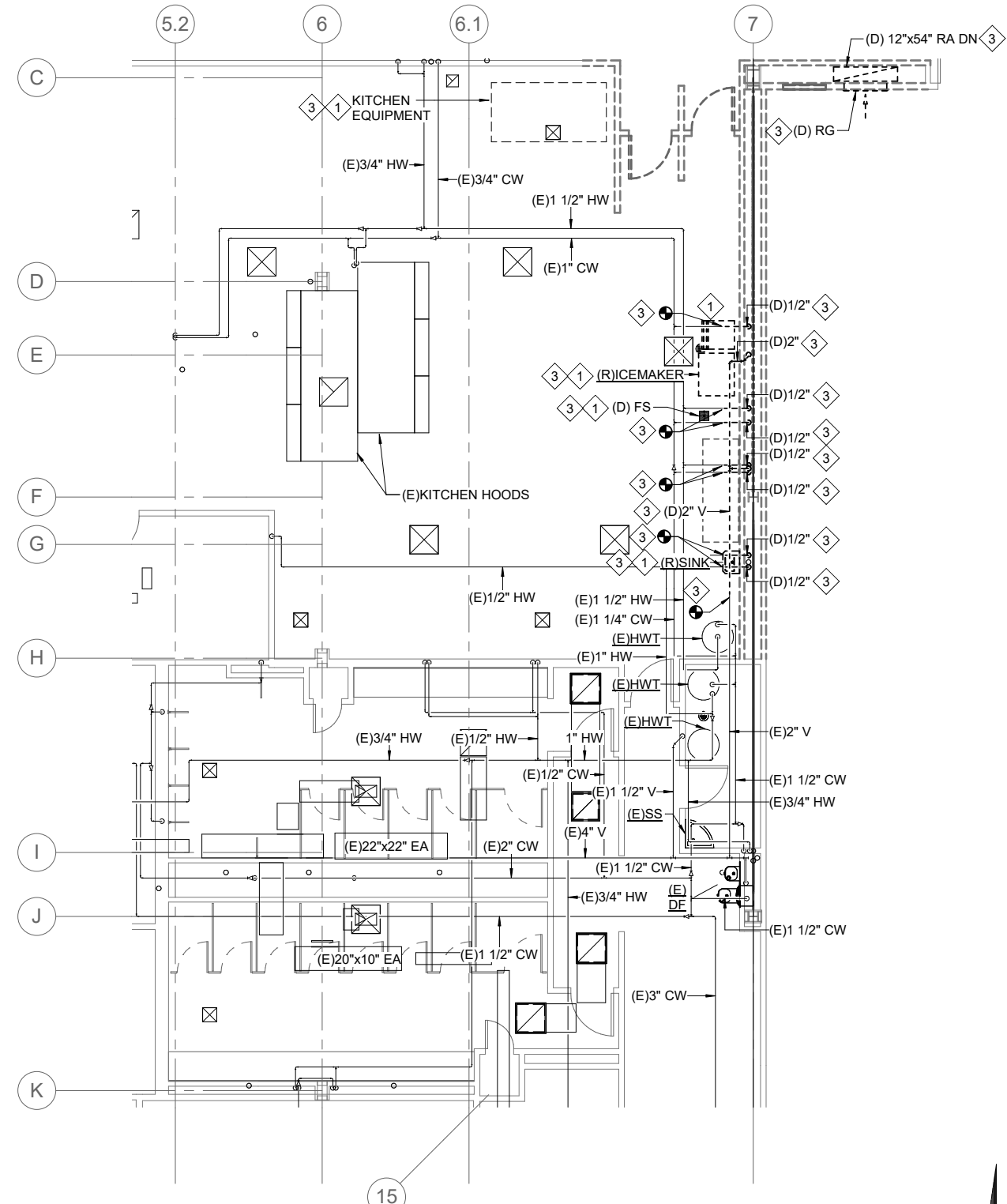
SHEET NOTES

- 1. DUCTWORK IS EXISTING UNLESS SHOWN OTHERWISE.



1 ENLARGED UNDERFLOOR KITCHEN PLAN - DEMO

MD402 SCALE: 3/16" = 1'-0" 0 2'-0" 4'-0" 8'-0"

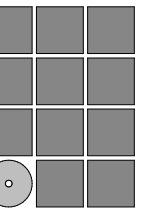


2 ENLARGED KITCHEN PLAN - DEMO

MD402 SCALE: 3/16" = 1'-0" 0 2'-0" 4'-0" 8'-0"

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**DEMO UNDERFLOOR
& 1st FLOOR PLAN -
ENLARGED KITCHEN**

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MD402



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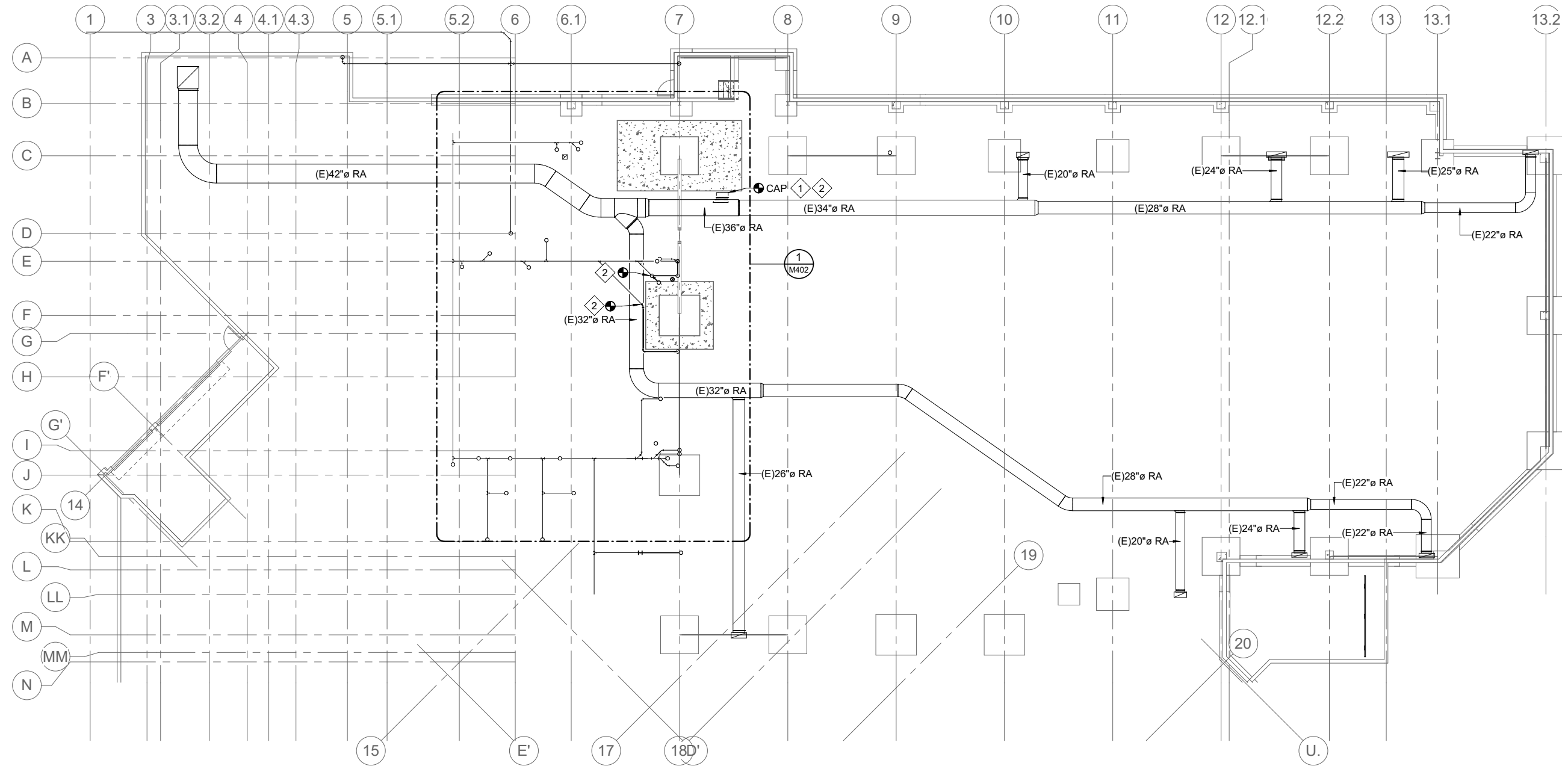
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SHEET NOTES

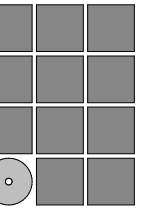
1. ALL UNDERGROUND DUCTWORK SHALL BE RETAINED AND REUSED, UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 CAP AND SEAL UNDER GROUND DUCT WATERTIGHT.
- 2 ALTERNATE #1 WORK.



1 UNDERFLOOR PLAN - OVERALL
 M200 SCALE: 3/32" = 1'-0"
 0 4'-0" 8'-0" 16'-0"



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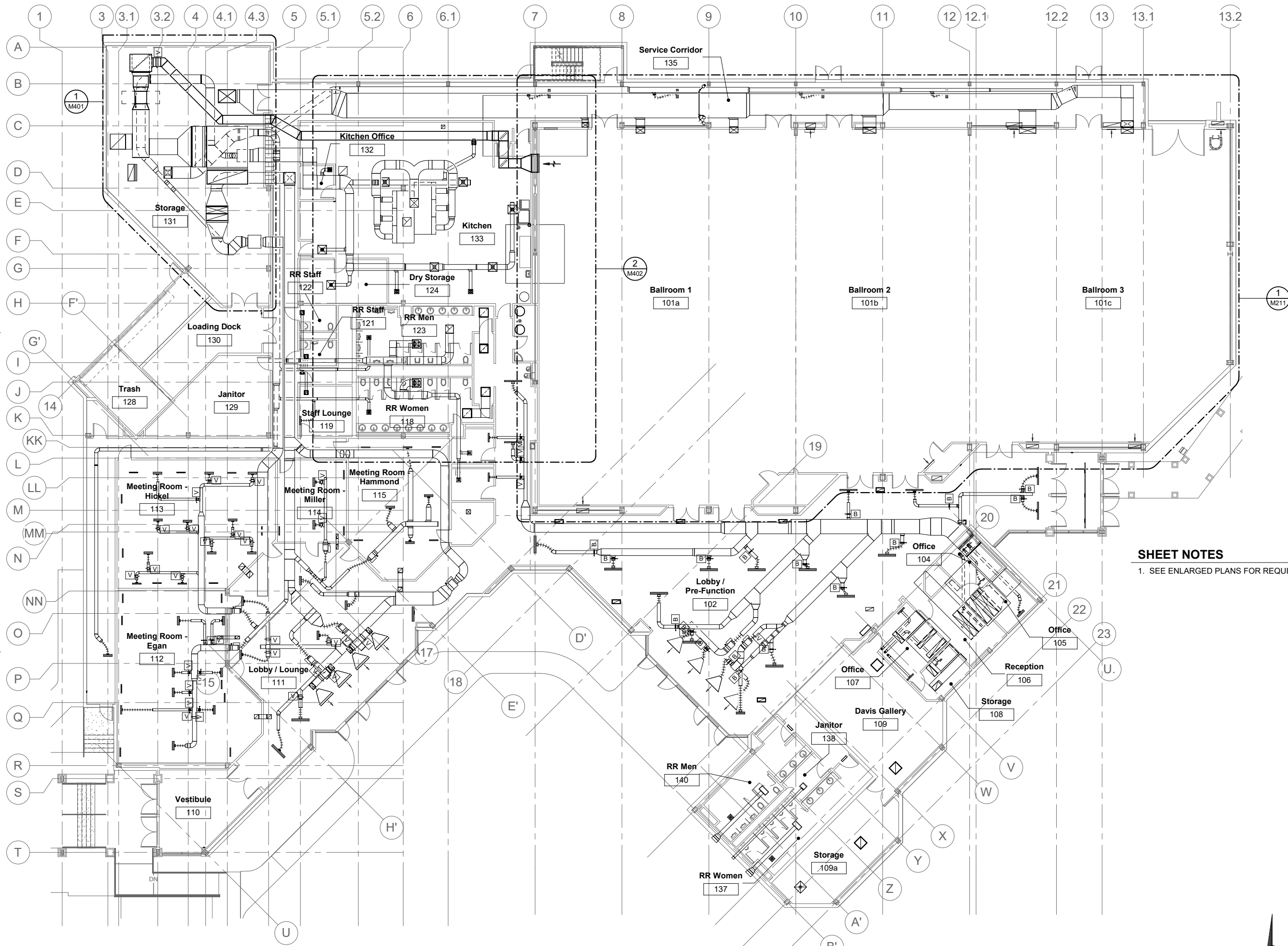
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SHEET TITLE
UNDERFLOOR PLAN - OVERALL

DATE: June 14, 2022
 FILE: 20206JN

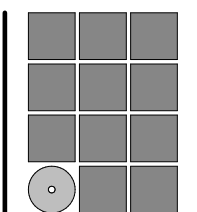
M200



SHEET NOTES
 1. SEE ENLARGED PLANS FOR REQUIRED WORK.

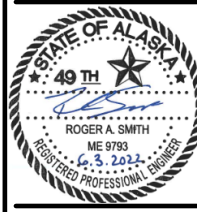
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1 FIRST FLOOR PLAN - OVERALL
 M201 SCALE: 3/32" = 1'-0"
 0 4'-0" 8'-0" 16'-0"



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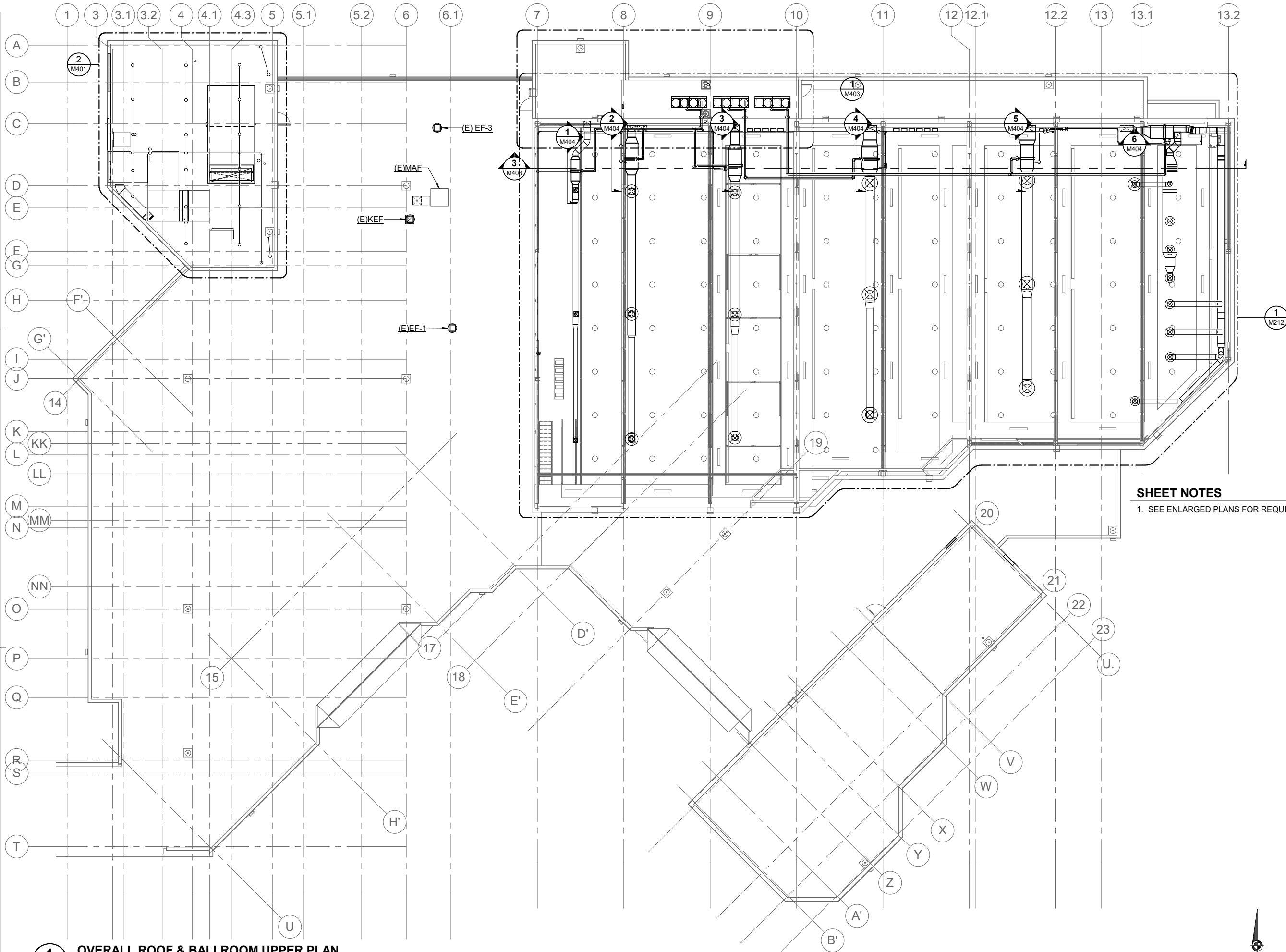
SHEET TITLE
1st FLOOR PLAN - OVERALL

DATE: June 14, 2022
 FILE: 20206JN

M201

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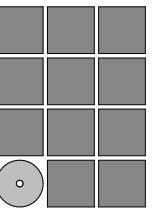


SHEET NOTES

- 1. SEE ENLARGED PLANS FOR REQUIRED WORK.

1 OVERALL ROOF & BALLROOM UPPER PLAN

M202 SCALE: 3/32" = 1'-0" 0 4'-0" 8'-0" 16'-0"



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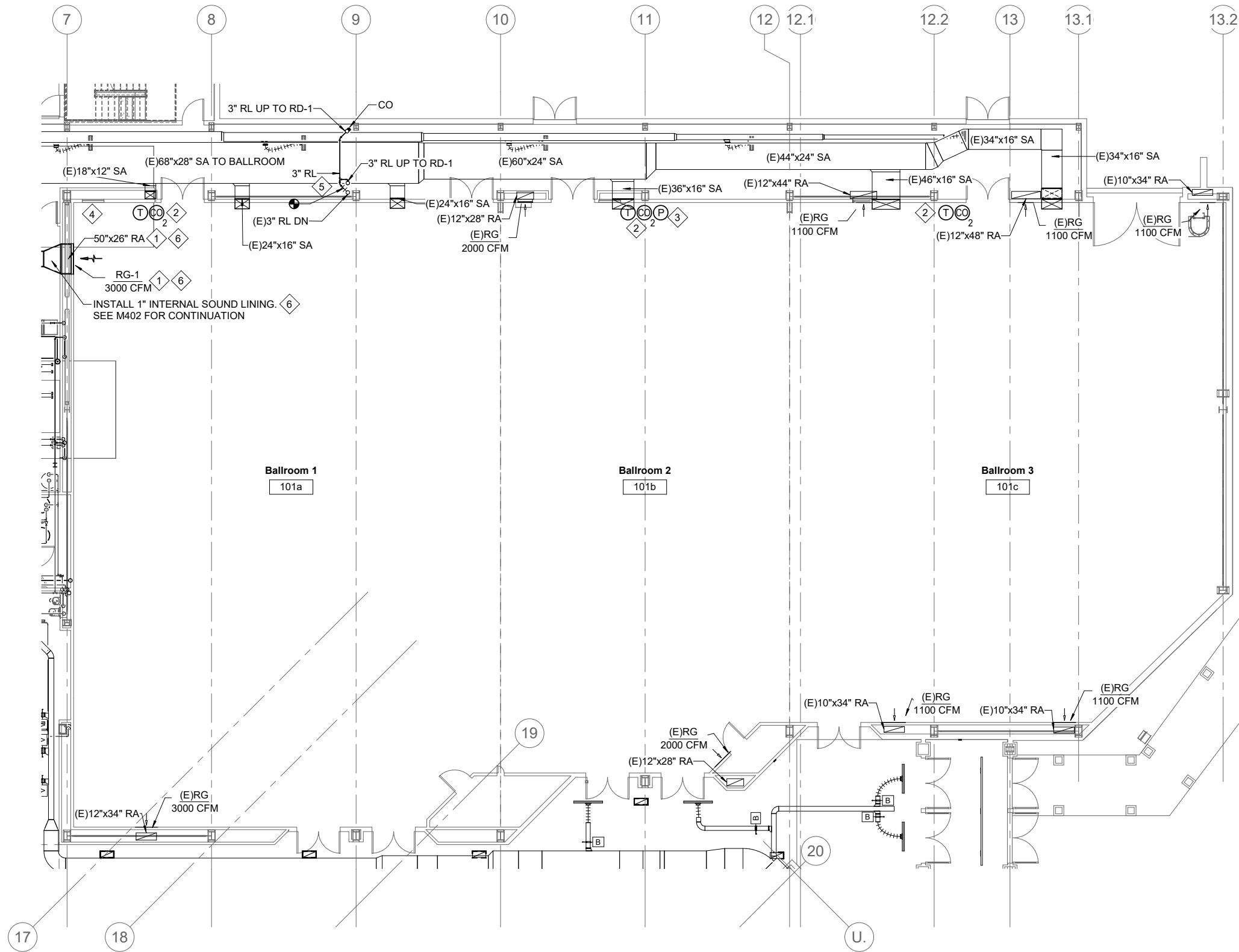
SHEET TITLE

2nd FLOOR & ROOM PLAN - OVERALL

DATE: June 14, 2022
FILE: 20206JN

M202





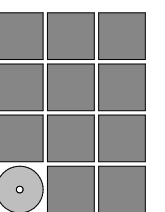
1 BALLROOM PLAN - LOWER LEVEL
M211 SCALE: 1/8" = 1'-0"
0 3'-0" 6'-0" 12'-0"

SHEET NOTES

1. DUCTWORK IS EXISTING UNLESS SHOWN OTHERWISE.
2. TEST AND BALANCE DIFFUSERS AND GRILLES TO AIR VOLUMES INDICATED.
3. MODIFY SPRINKLER COVERAGE AS REQUIRED FOR NEW WORK. INCLUDING MODIFICATIONS TO CATWALKS, CEILING PANELS, DUCTWORK, CURTAINS, AND OTHER NEW OR MODIFIED OBSTRUCTIONS. REPLACE ALL SPRINKLER HEADS IN WORK AREA WITH NEW.

SHEET KEYNOTES

- 1 ALTERNATE #1 WORK. INSTALL 50X36 RG-1 AND DUCT. PROVIDE 1" SOUND LINING.
- 2 INSTALL HEATPUMP TEMPERATURE CONTROLLER, SEPARATE DDC TEMPERATURE SENSOR AND CARBON DIOXIDE SENSOR. TYPICAL OF (3) ZONES. ONE SET FOR EACH ZONE.
- 3 INSTALL BALLROOM INDOOR PRESSURE SENSOR.
- 4 ALTERNATE #1 WORK. PATCH WALL AT DEMOLISHED RETURN DUCT/GRILL.
- 5 INSTALL ROOF DRAINS AND RAIN LEADERS ABOVE EXISTING SUPPLY DUCT. CONNECT TO EXISTING RAIN LEADER. REMOVE / REINSTALL DUCTWORK AS NEEDED.
- 6 ALTERNATE #1 WORK.



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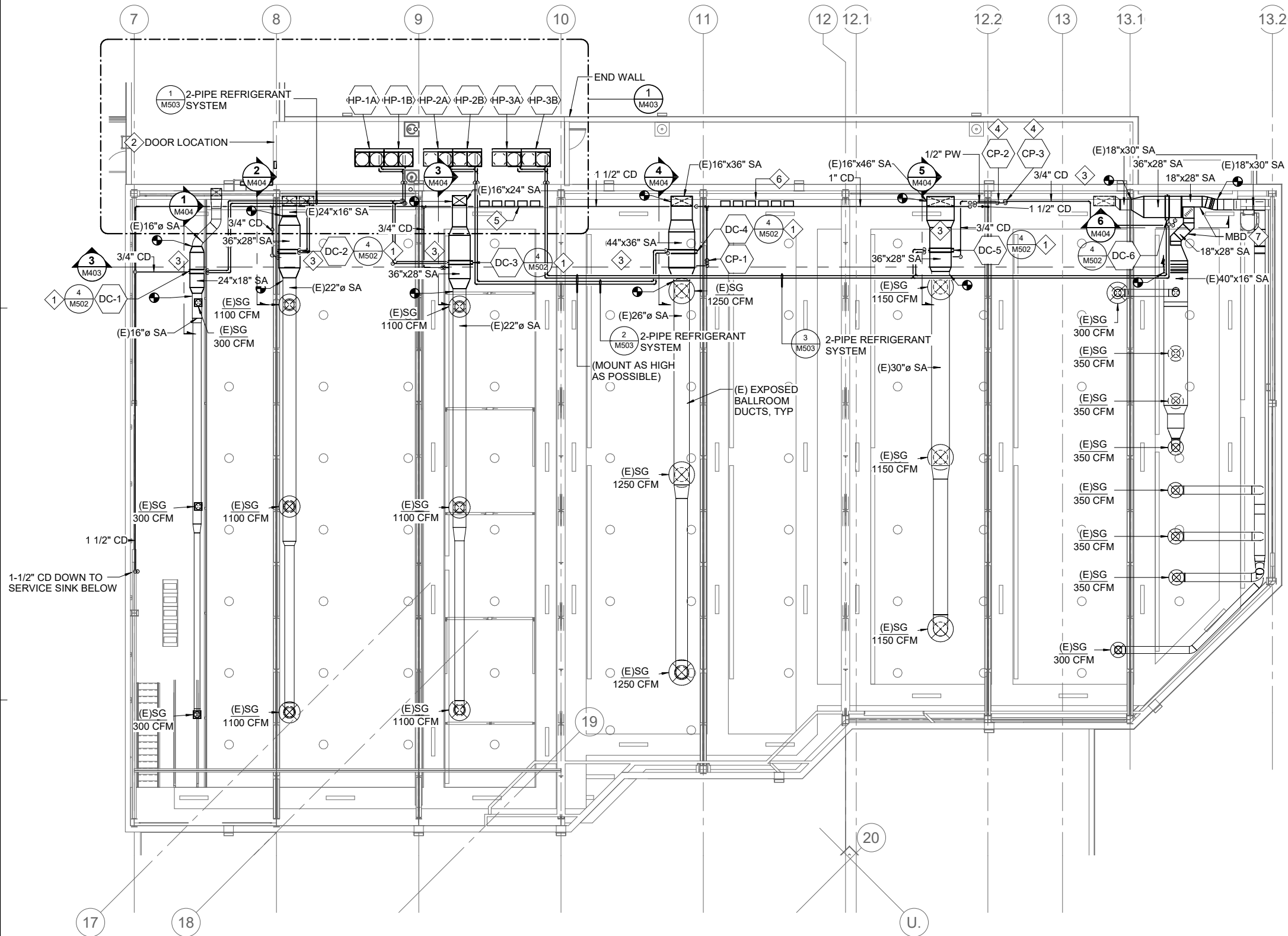
SHEET TITLE
1st FLOOR PLAN - ENLARGED BALLROOMS

DATE: June 14, 2022
FILE: 20206JN

M211

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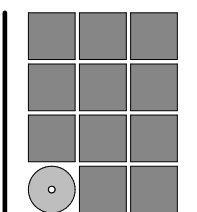
1 BALLROOM PLAN - UPPER LEVEL
M212 SCALE: 1/8" = 1'-0"
0 3'-0" 6'-0" 12'-0"

SHEET NOTES

- TEST AND BALANCE ALL GRILLES AND DIFFUSERS IN BALLROOM TO AIR VOLUMES INDICATED. BALANCE DAMPERS NOT SHOWN. VERIFY LOCATIONS ONSITE.
- SLOPE CONDENSATE DRAINS AT 1/8" = 1'-0", TYP.
- INSULATE REFRIGERANT PIPING WITH 3/4" CLOSED CELL FOAM. PIPING SIZED PER MANUFACTURER.
- INSTALL CD MAIN AS HIGH AS POSSIBLE. ALL CD PIPING SHALL BE PAINTED BLACK. COORDINATE WITH THE ARCHITECT.
- PAINT ALL EXPOSED HANGERS, TRAPEZE, AND PIPING BLACK.
- MODIFY SPRINKLER COVERAGE AS REQUIRED FOR NEW WORK. INCLUDING MODIFICATIONS TO CATWALKS, CEILING PANELS, DUCTWORK, CURTAINS, AND OTHER NEW OR MODIFIED OBSTRUCTIONS. REPLACE ALL SPRINKLER HEADS IN WORK AREA WITH NEW.
- LOCATE DUCTWORK AND PIPING AS HIGH AS POSSIBLE TO MAINTAIN MAXIMUM CLEARANCE ACROSS CATWALKS.

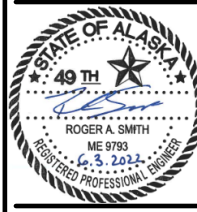
SHEET KEYNOTES

- 1 INSTALL VRF DUCT COIL AND INTEGRATION KIT.
- 2 NEW EXTERIOR DOOR FOR ACCESS TO HEAT PUMPS ON LOWER ROOF. IN ARCHITECTURAL WORK.
- 3 PAINT EXPOSED DUCTWORK TO MATCH EXISTING. INSULATE DUCT COILS WITH 1" BLACK CLOSED CELL FOAM.
- 4 INSTALL CONDENSATE PUMPS ON WALL ACCESSIBLY.
- 5 INSTALL Z-CONTROL BOXES FOR DC-1 THROUGH DC-3 ACCESSIBLY ON WALL WHERE SHOWN.
- 6 INSTALL A-CONTROL BOXES FOR DC-4 THROUGH DC-6 ACCESSIBLY ON WALL WHERE SHOWN.
- 7 INSTALL MULTIPLE BLADE DAMPER IN EACH MAIN BRANCH DUCT.



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SHEET TITLE
2nd FLOOR PLAN - ENLARGED BALLROOMS

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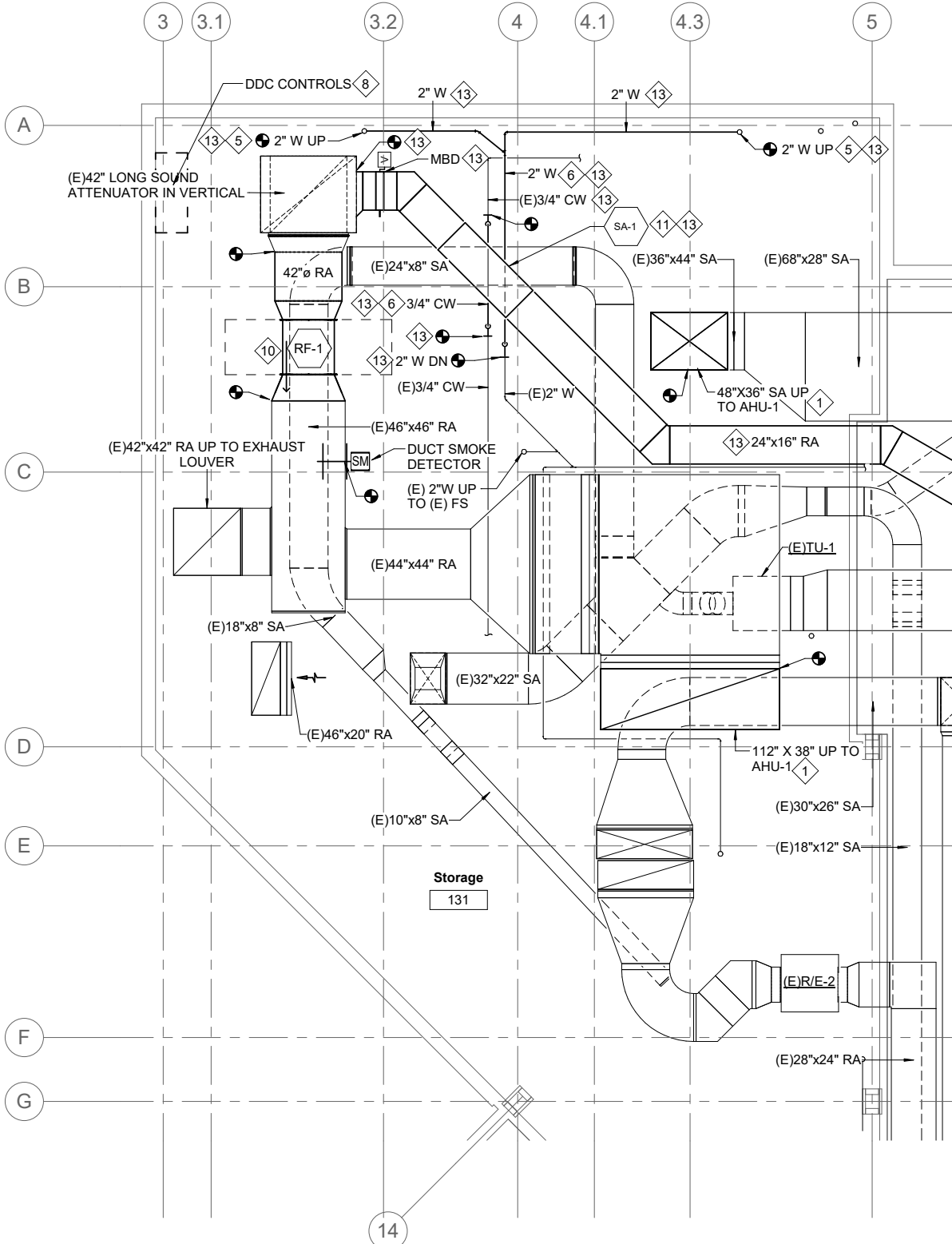
M212

SHEET NOTES

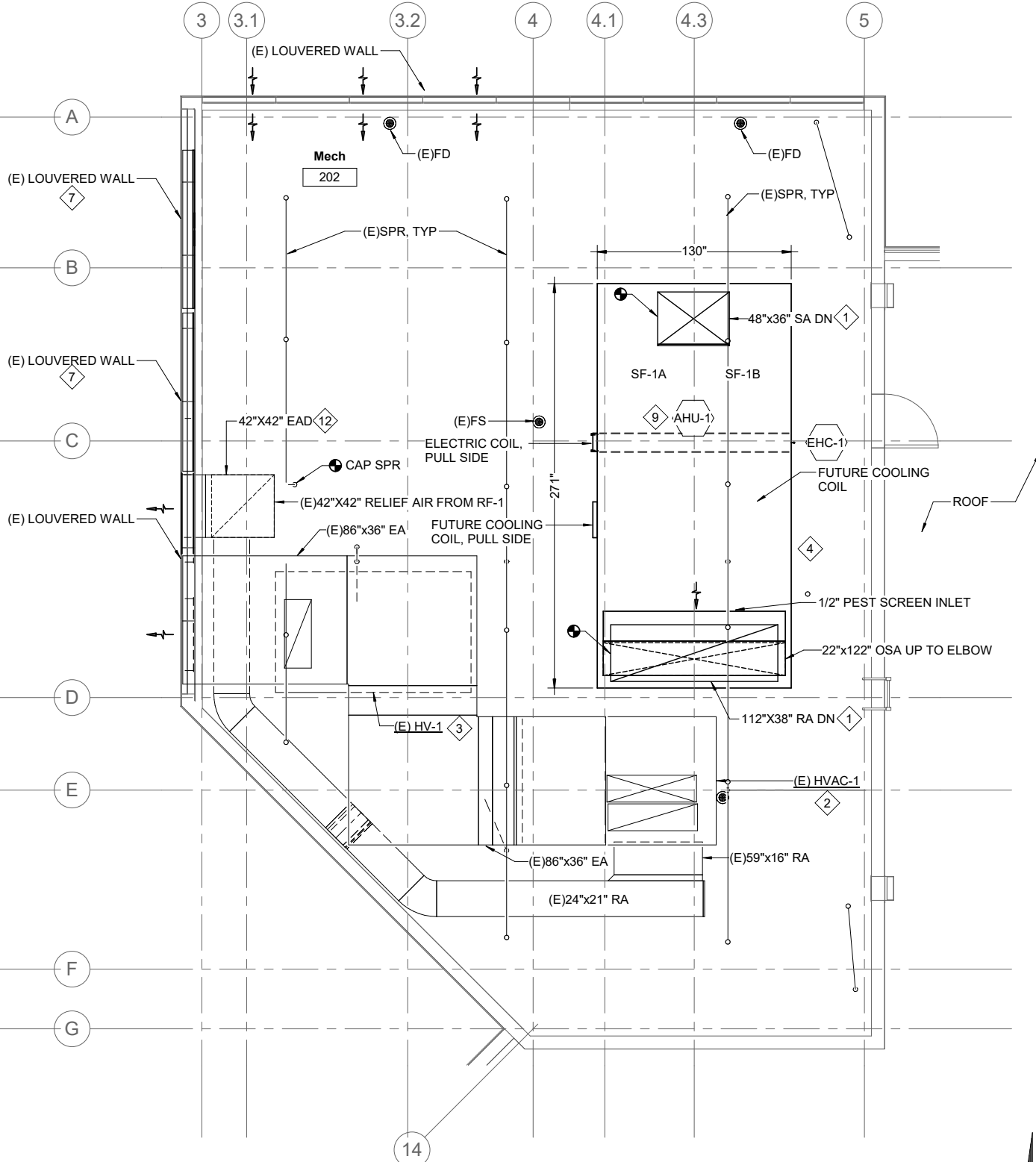
- DUCTWORK IS EXISTING UNLESS SHOWN OTHERWISE.
- RELOCATE HANGERS AND EQUIPMENT AS NEEDED IN STORAGE ROOM TO INSTALL NEW RETURN DUCT.
- LOCATE DDC CONTROLLERS AND PANELS SERVING AHU-1 IN STORAGE ROOM BELOW FAN ROOM.
- MODIFY DRY SPRINKLER COVERAGE IN PENTHOUSE AS NEEDED DUE TO DEMO AND NEW WORK. REPLACE HEADS IN WORK AREA.

SHEET KEYNOTES

- RE-USE EXISTING SUPPLY AIR AND RETURN AIR FLOOR PENETRATIONS. CONNECT SA/RA DUCTS FROM BELOW TO AHU-1 UNIT. VERIFY SIZE AND LOCATION.
- RETAIN EXISTING HVAC-1 SYSTEM, DUCTS, AND CONTROLS.
- RETAIN EXISTING HV-1 SYSTEM, DUCTS, AND CONTROLS.
- INSTALL AHU-1 WITH INTEGRAL 12" HIGH STEEL RAIL.
- CONNECT TO EXISTING FLOOR DRAINS AND VENTS ABOVE.
- ALTERNATE #1 WORK. RAISE PIPING AS NEEDED TO AVOID NEW DUCTWORK.
- REMOVE AND REPLACE LOUVER WALL AS NEEDED TO DEMOLISH AND INSTALL MECHANICAL EQUIPMENT. SEE ARCH.
- DDC CONTROL PANEL SERVING AHU-1 AND RF-1. CONTROL DEVICES FROM AHU-1 AND RF-1 WIRED TO THIS LOCATION.
- INSTALL AHU-1 IN PLACE OF EXISTING. COORDINATE EXACT LOCATION OF UNIT AND AHU-1 INLET AND DISCHARGE OPENINGS WITH EXISTING FLOOR PENETRATIONS.
- INSTALL RF-1 IN PLACE OF EXISTING R/E-1.
- ALTERNATE #1 WORK. INSTALL 5'-0" SOUND ATTENUATOR, SA-1 WHERE SHOWN. PROVIDE DUCT TRANSITIONS AS REQUIRED.
- INSTALL EAD IN EXISTING DUCT WORK. LOCATE PRIOR TO HVAC-1 EA DUCT CONNECTION. PROVIDE 18"x18" ACCESS DOOR.
- ALTERNATE #1 WORK.

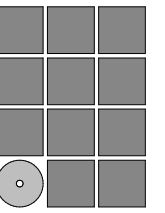


1 STORAGE ROOM ENLARGED PLAN
M401 SCALE: 1/4" = 1'-0" 0 1'-6" 3'-0" 6'-0"



2 NORTH MECHANICAL ROOM ENLARGED PLAN
M401 SCALE: 1/4" = 1'-0" 0 1'-6" 3'-0" 6'-0"

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SHEET TITLE
1st & 2nd FLOOR PLAN - ENLARGED

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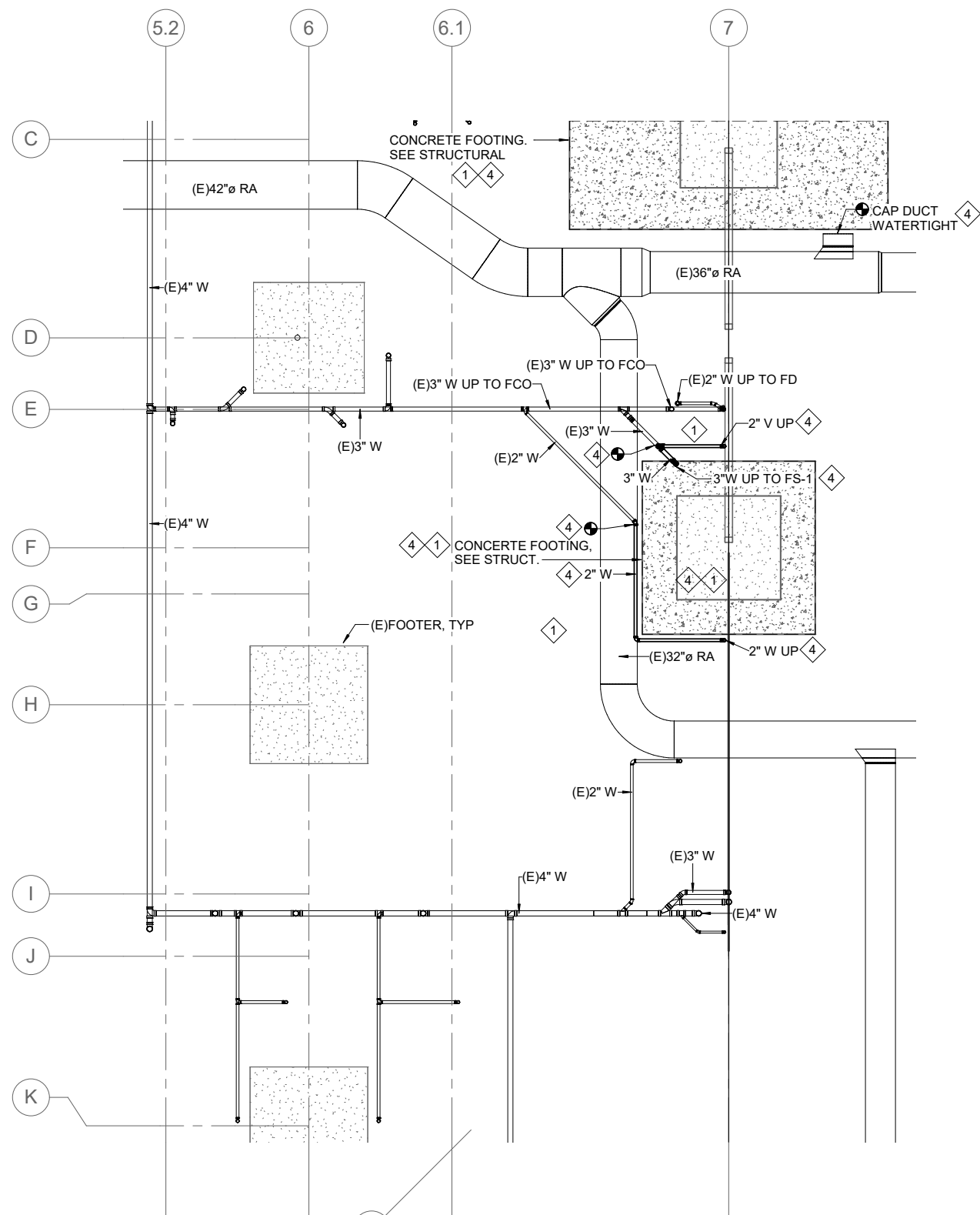
M401

SHEET NOTES

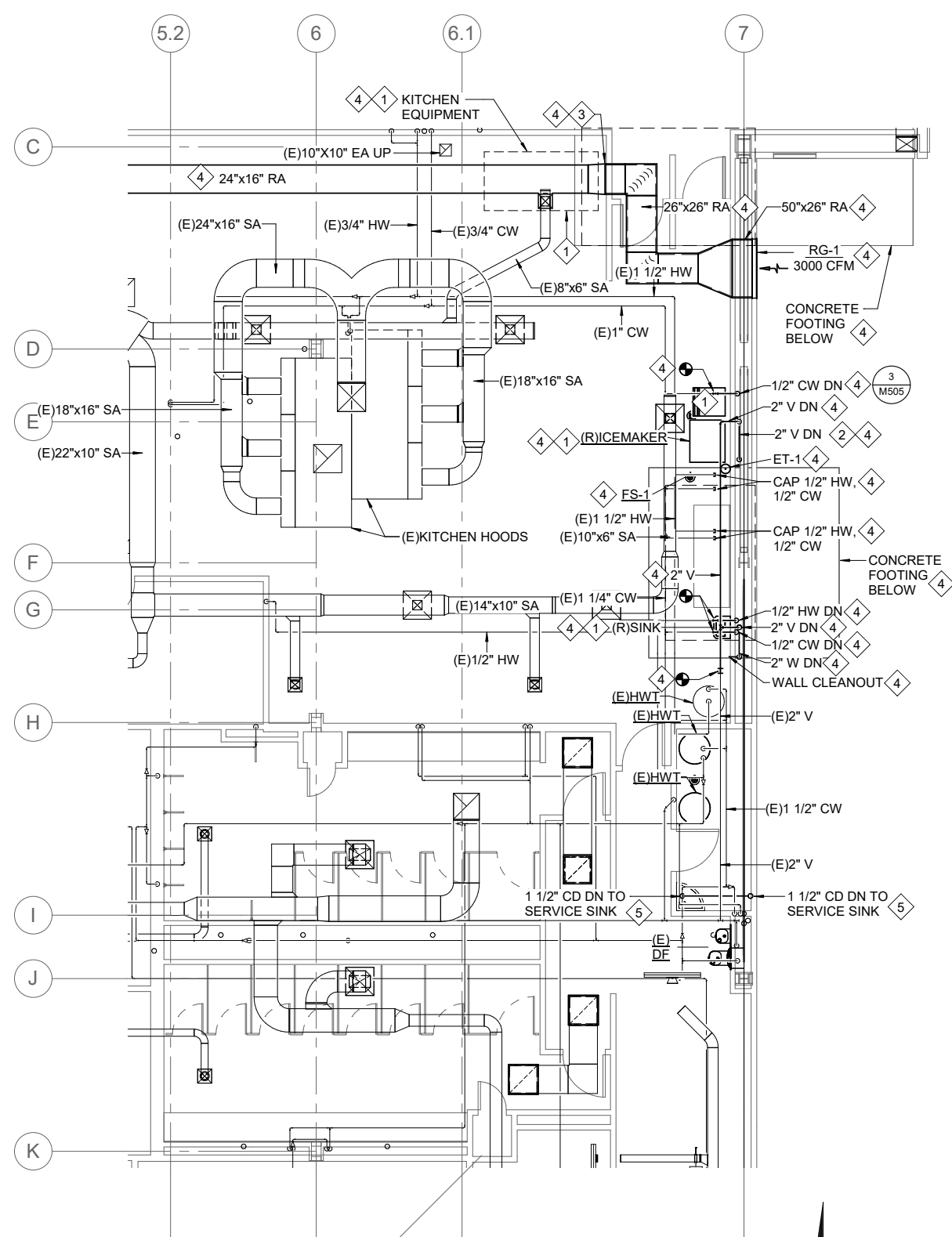
1. NOT ALL EXISTING DUCTWORK IS SHOWN ABOVE CEILING. SEE M101.
2. DUCTWORK IS EXISTING UNLESS OTHERWISE SHOWN.

SHEET KEYNOTES

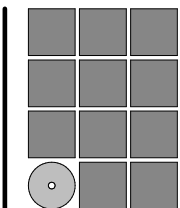
- 1 ALTERNATE #1 WORK. REMOVE / REINSTALL MECHANICAL SYSTEMS ALONG GRID 7 WALL AND GRID C TO ACCOMODATE STRUCTURAL UPGRADE WORK. REINSTALL EQUIPMENT OR PLUMBING FIXTURE IN SIMILAR LOCATION. RECONNECT CW, HW, WASTE, AND VENT PIPING AS NECESSARY FOR PROPER OPERATION.
- 2 COMBINE VENTS 12" AFF TO SINGLE 2" VENT.
- 3 INSTALL 1" INTERNAL SOUND LINING FROM RG-1 UNTIL THIS POINT.
- 4 ALTERNATE #1 WORK.
- 5 ROUTE COIL CONDENSATE PIPING TO (E) SERVICE SINK. PROVIDE 2-INCH AIR GAP. SECURE TO WALL. ADD LABEL ADJACENT DRAIN TO BALLROOM. INDICATE "CONDENSATE DRAIN FROM DUCT COILS".



1 ENLARGED UNDERFLOOR KITCHEN PLAN
M402 SCALE: 3/16" = 1'-0" 0 2'-0" 4'-0" 8'-0"

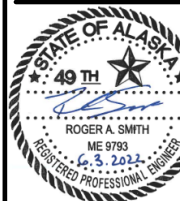


2 ENLARGED KITCHEN PLAN
M402 SCALE: 3/16" = 1'-0" 0 2'-0" 4'-0" 8'-0"



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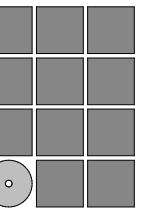
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SHEET TITLE
UNDERFLOOR & 1st FLOOR PLAN - ENLARGED KITCHEN

DATE: June 14, 2022
FILE: 20206JN

M402



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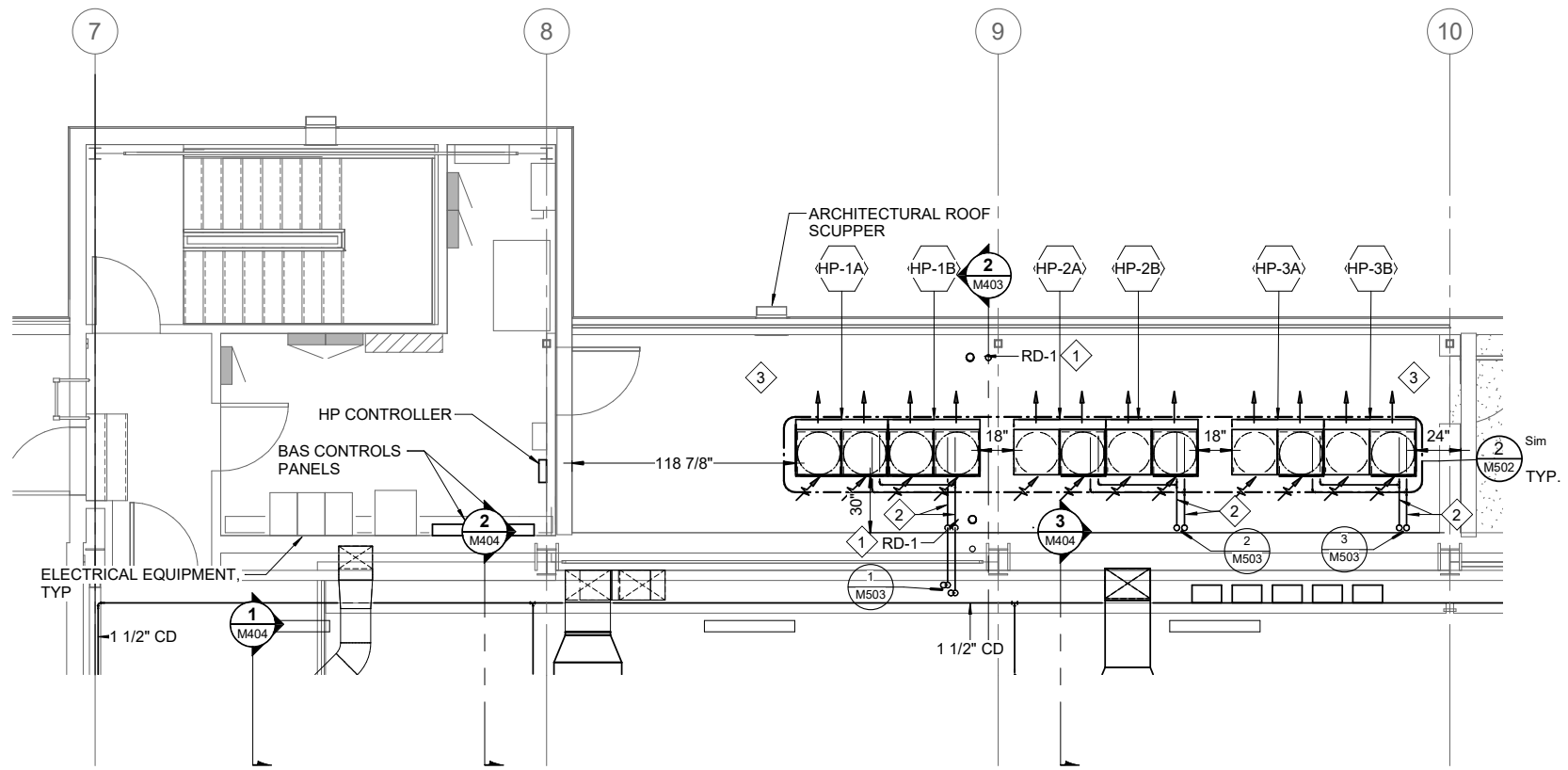


SHEET TITLE

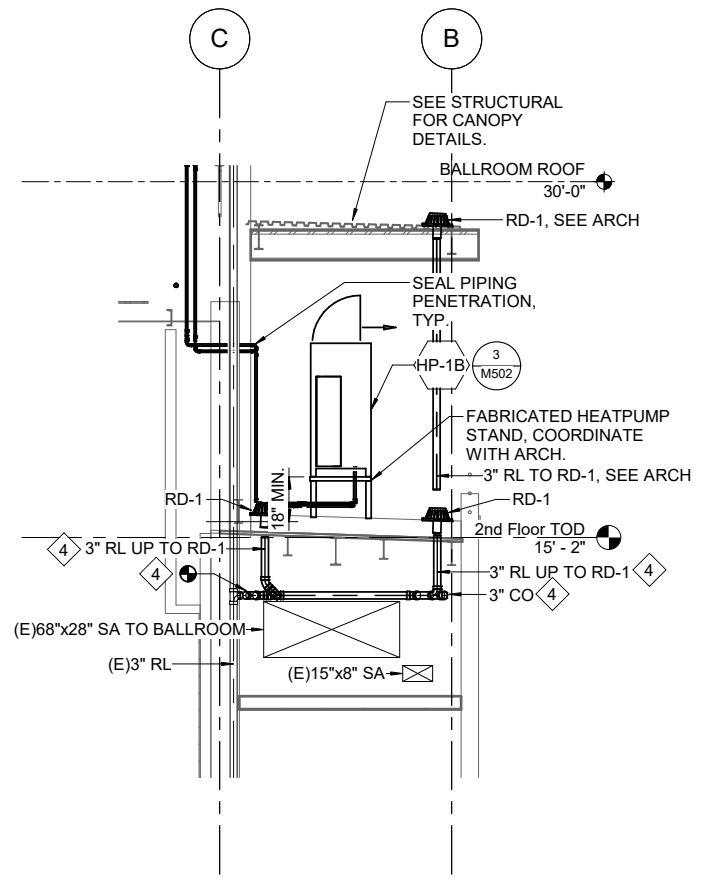
**2nd FLOOR PLAN -
ENLARGED HEAT
PUMP**

DATE: June 14, 2022
FILE: 20206JN

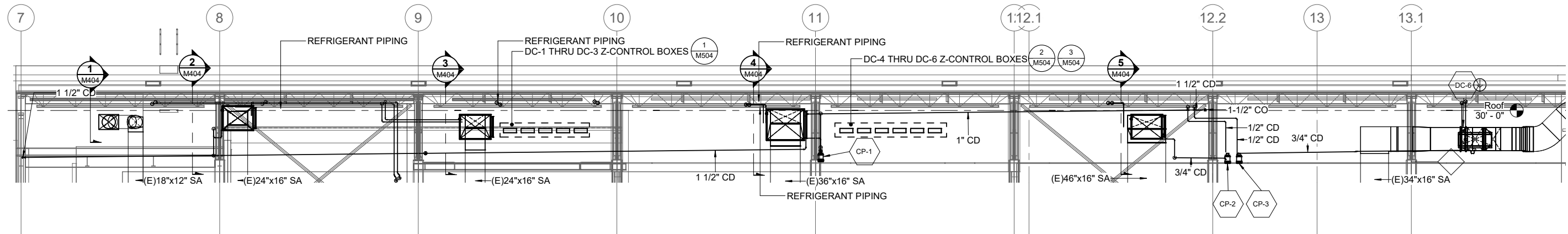
M403



1 ENLARGED HEATPUMP PLAN
M403 SCALE: 1/4" = 1'-0"
0 1'-6" 3'-0" 6'-0"



2 HEATPUMP SECTION
M403 SCALE: 1/4" = 1'-0"
0 1'-6" 3'-0" 6'-0"



3 UPPER BALLROOM SECTION
M403 SCALE: 3/16" = 1'-0"
0 2'-0" 4'-0" 8'-0"

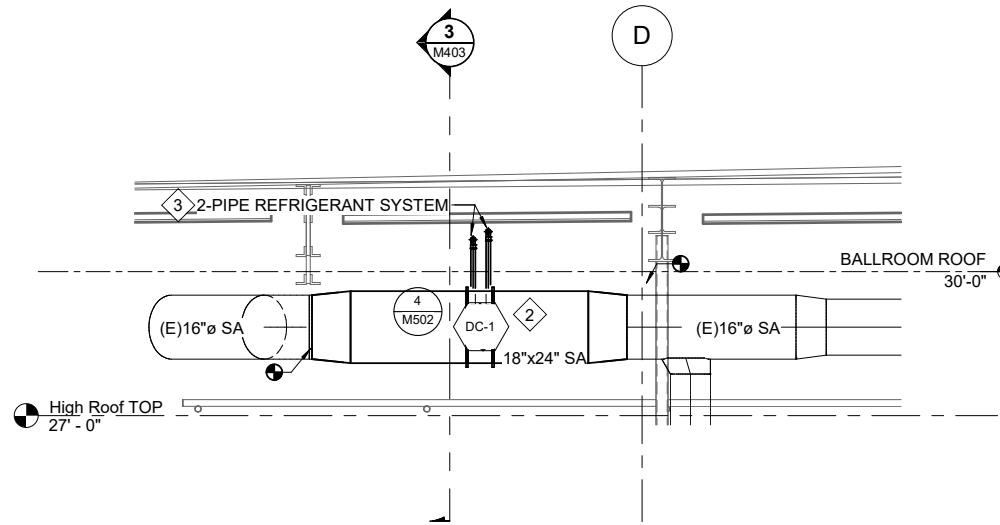
SHEET KEYNOTES

- 1 INSTALL NEW 3" RD-1. ROUTE HEAT PUMP CONDENSATE DRAINS TO RD-1. CONNECT 3" RAIN LEADER TO EXISTING RAIN LEADER SYSTEM BELOW.
- 2 INSULATE EXTERIOR REFRIGERANT PIPING WITH 1" THICK CLOSED CELL FOAM INSULATION COVER AND SEAL WITH ALLUMINIZED COVERS. PIPING SIZED PER MANUFACTURER.
- 3 PROVIDE SIDEWALL DRY TYPE SPRINKLER HEADS FOR COVERAGE OF NEW HEAT PUMP CANOPY.
- 4 COMPLETE WORK WHILE ROOF IS REPLACED.

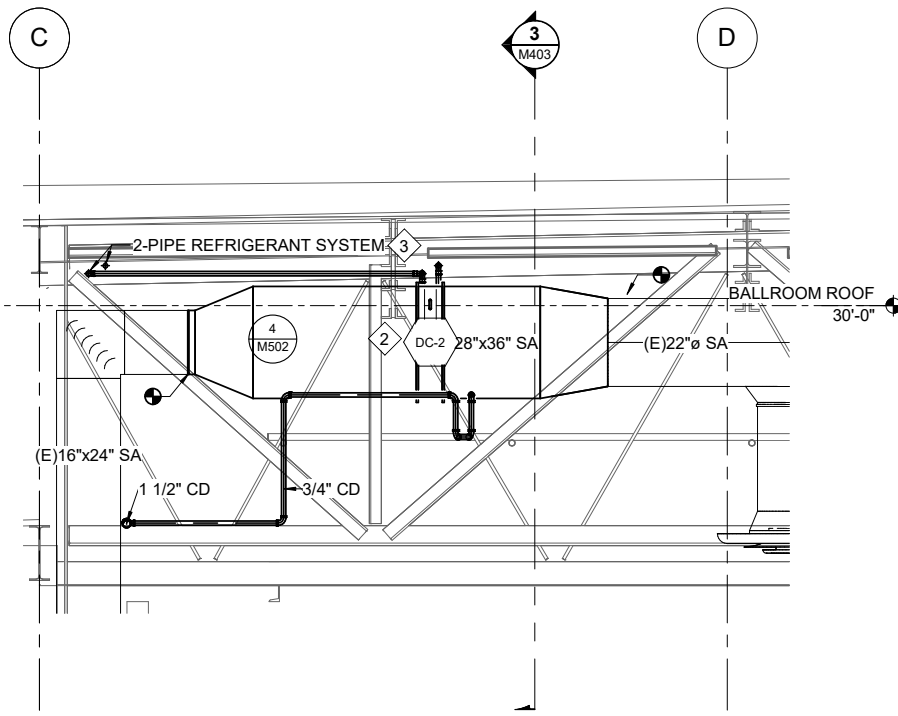
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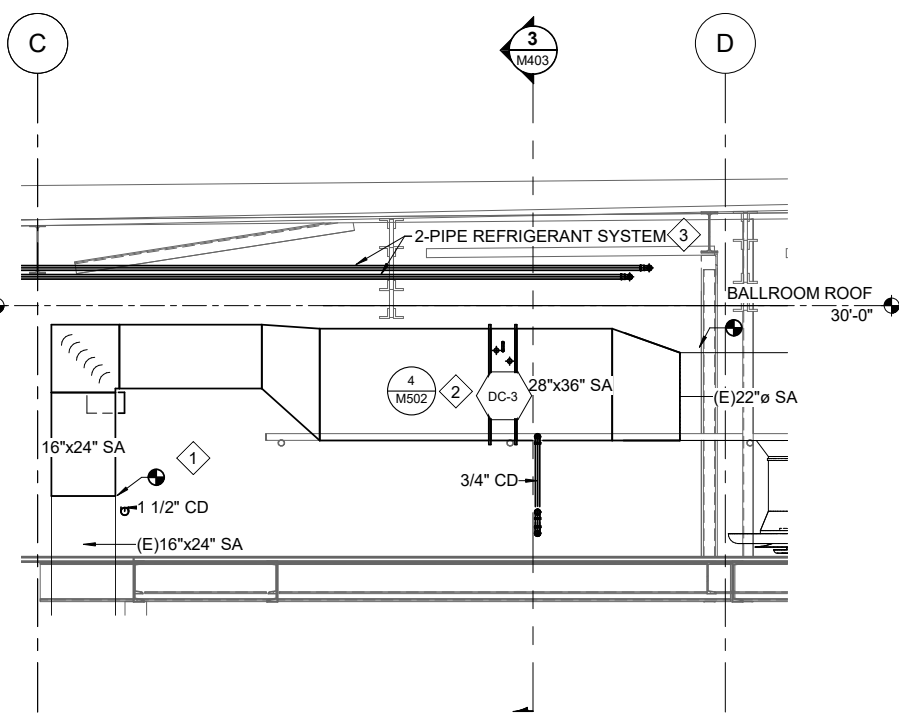
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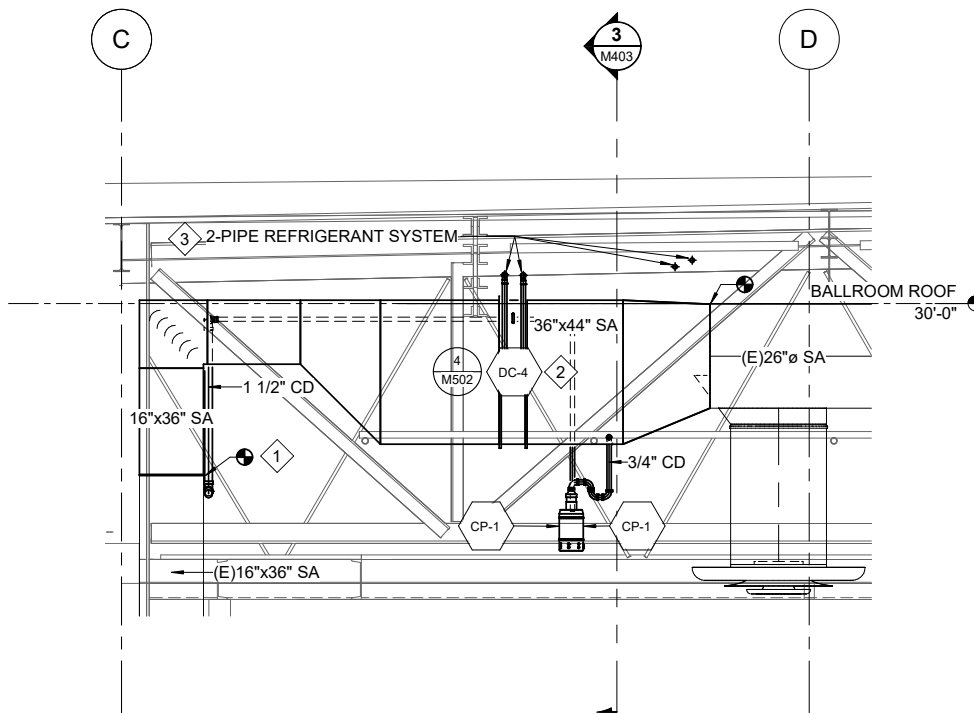
1 DC-1 ENLARGED SECTION
M404 SCALE: 1/2" = 1'-0"



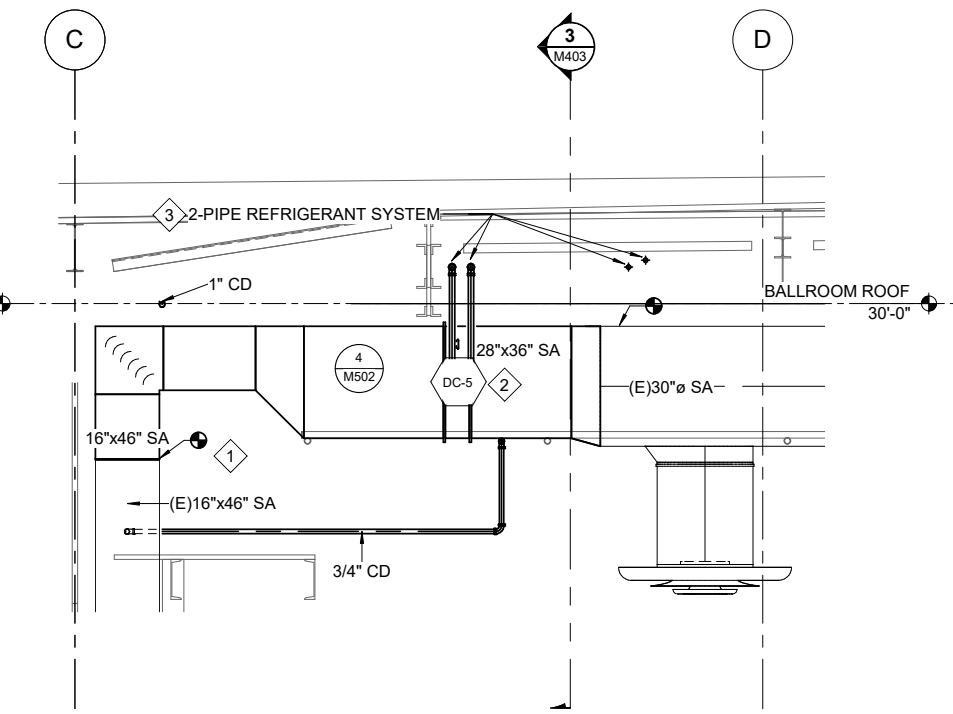
2 DC-2 ENLARGED SECTION
M404 SCALE: 1/2" = 1'-0"



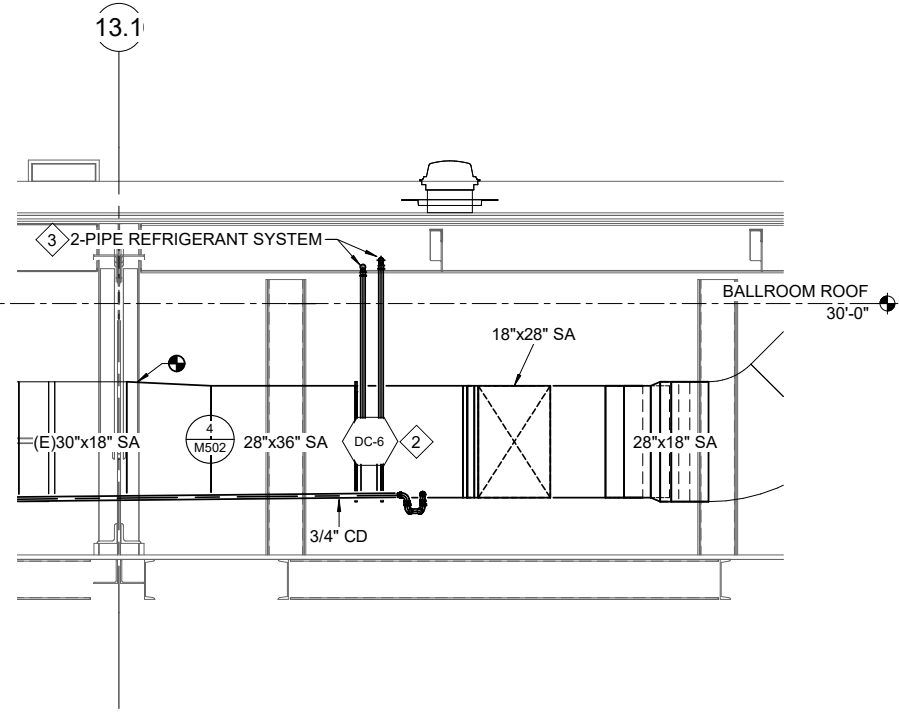
3 DC-3 ENLARGED SECTION
M404 SCALE: 1/2" = 1'-0"



4 DC-4 ENLARGED SECTION
M404 SCALE: 1/2" = 1'-0"



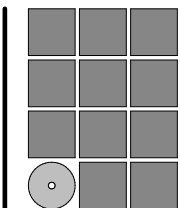
5 DC-5 ENLARGED SECTION
M404 SCALE: 1/2" = 1'-0"



6 DC-6 ENLARGED SECTION
M404 SCALE: 1/2" = 1'-0"

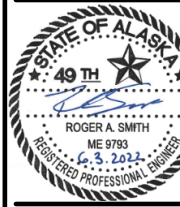
SHEET KEYNOTES

- 1 INSTALL PIPING AND DUCTWORK TO MAXIMIZE CATWALK ACCESS.
- 2 MOUNT EXPANSION VALVE BOX TO DUCTWORK.
- 3 SEE SHEET M503 FOR REFRIGERANT SIZING.



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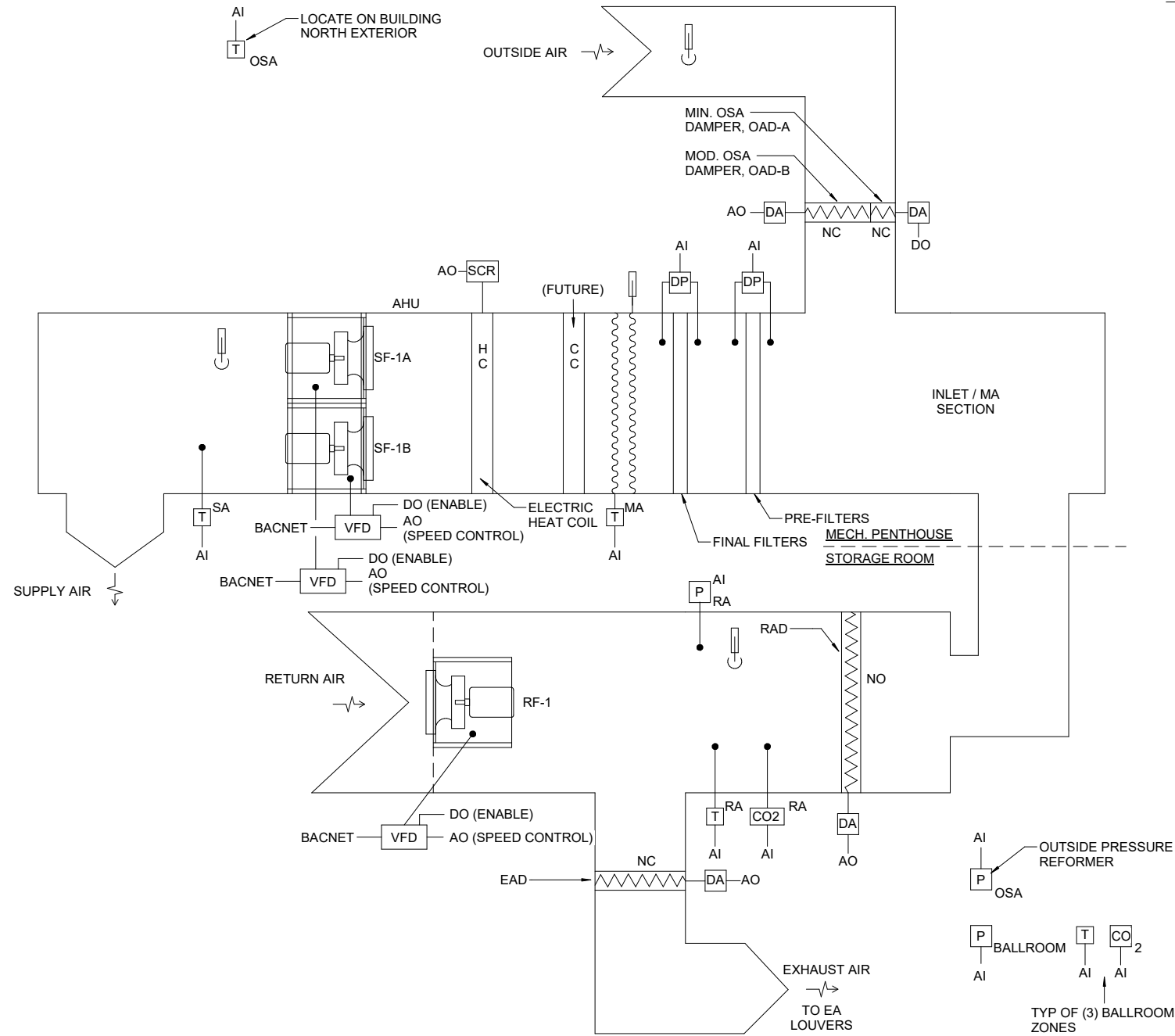
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SHEET TITLE
**ENLARGED DUCT
COIL SECTIONS**

DATE: June 14, 2022
FILE: 20206JN

M404



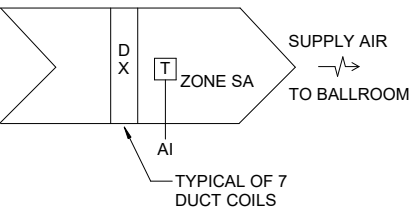
SHEET NOTES

1. THE DIAGRAMS AND POINTS SHOWN HERE ARE SCHEMATIC ONLY. REFER TO SEQUENCE OF OPERATIONS AND SPECIFICATIONS FOR COMPLETE CONFIGURATION OF THE SYSTEMS. COORDINATE WITH ALL OTHER DISCIPLINES TO ACHIEVE RESULTS AS SHOWN AND INTENDED IN THE DOCUMENTS. GENERAL NOTES APPLY TO ALL CONTROLS DRAWINGS.

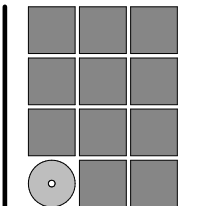
CONTROLS LEGEND

	EQUIPMENT CONTROLLER	AI	ANALOG INPUT
	EQUIPMENT CONTROLLER	AO	ANALOG OUTPUT
	IMMERSION THERMOSTAT OR THERMOSTATIC SENSOR	ASU	AIR SUPPLY UNIT
	CARBON DIOXIDE SENSOR	BC	BOOSTER COIL
	PRESSURE SENSOR	CC	COOLING COIL
	DAMPER ACTUATOR	COM	COMMON
	FLOW SWITCH	CWS	CHILLED WATER SUPPLY
	DIFFERENTIAL PRESSURE GAGE	CWR	CHILLED WATER RETURN
	CURRENT SENSOR	DI	DIGITAL INPUT
	FLOW SENSOR	DO	DIGITAL OUTPUT
	ROOM THERMOSTAT	EAD	EXHAUST AIR DAMPER
	AIR DIRECTION	EF	EXHAUST FAN
	THERMOMETER	HR	HEATING RETURN
	EXISTING	HS	HEATING SUPPLY
	VARIABLE FREQUENCY DRIVE	HU	DUCT HUMIDIFIER
	SILICON CONTROLLED RECTIFIER CONTROL	LCWS	LOW TEMPERATURE CHILLED WATER SUPPLY
		LCWR	LOW TEMPERATURE CHILLED WATER RETURN
		LL	LOW LIMIT CONTROL
		MA	MIXED AIR
		NO	NORMALLY OPEN
		NC	NORMALLY CLOSED
		OAD	OUTSIDE AIR DAMPER
		OSA	OUTSIDE AIR
		RA	RETURN AIR
		RAD	RETURN AIR DAMPER
		R	RETURN FAN
		SA	SUPPLY AIR
		SF	SUPPLY FAN
		TU	TERMINAL UNIT

1 CONTROL DIAGRAM FOR AHU-1
M501 SCALE: NO SCALE



2 CONTROL DIAGRAM FOR DUCT COIL
M501 SCALE: NO SCALE



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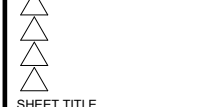


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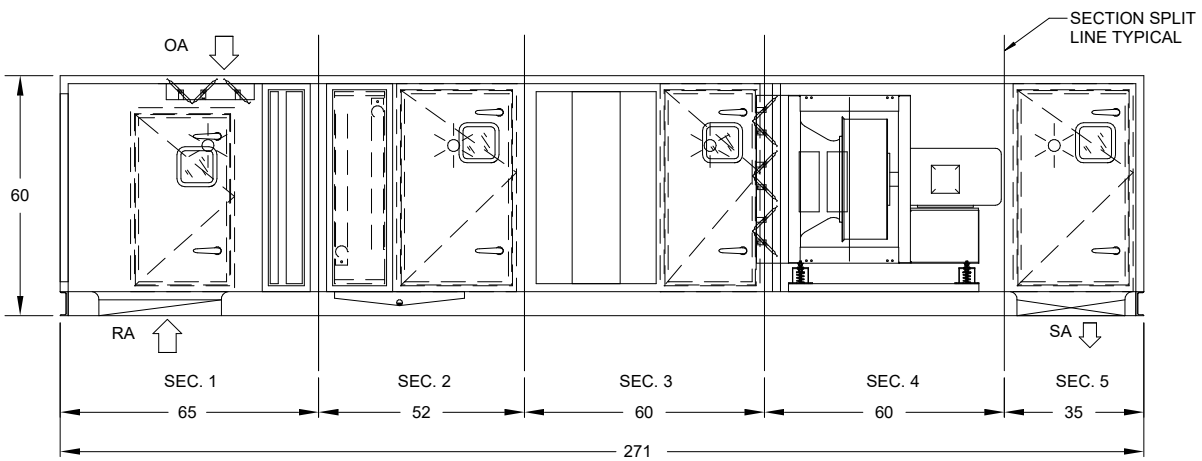
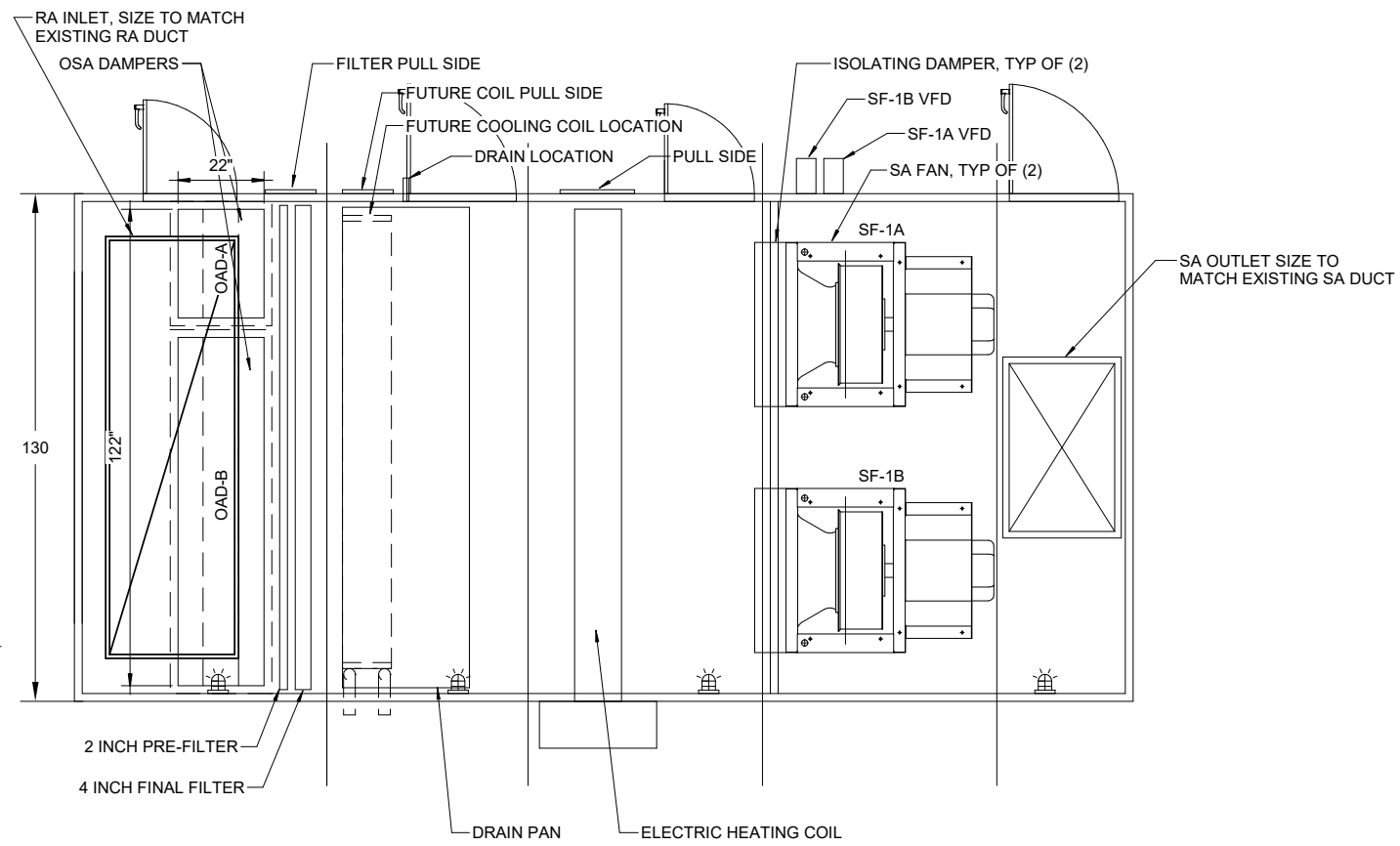
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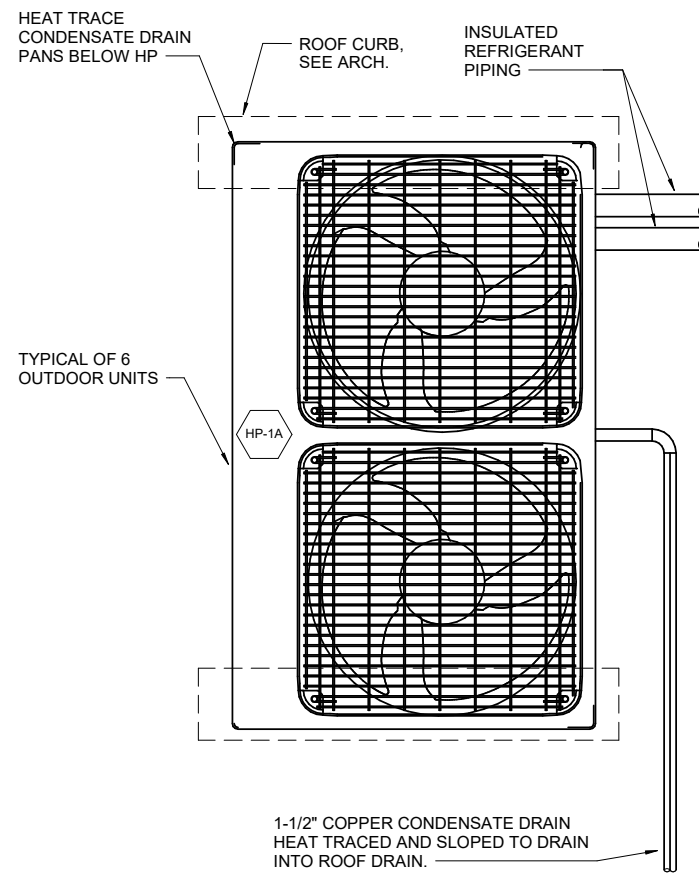
SHEET TITLE
CONTROL DIAGRAM AND LEGEND

DATE: June 14, 2022
FILE: 20206JN

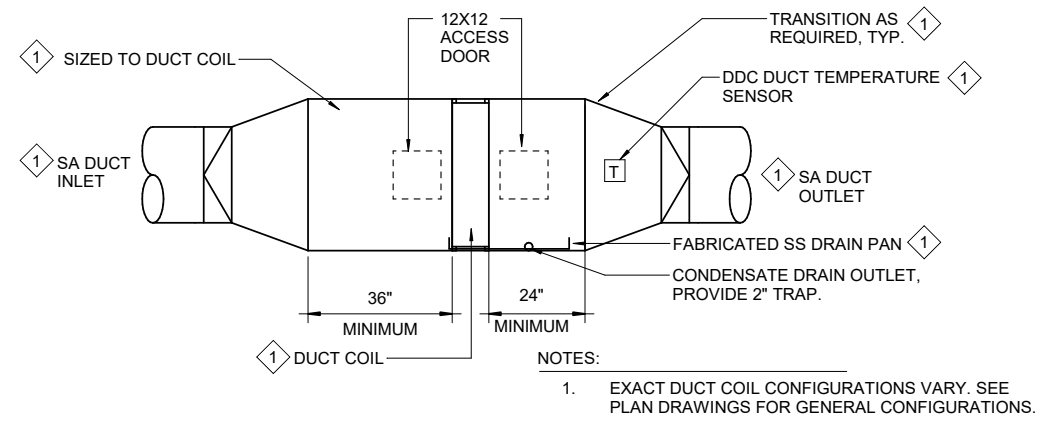
M501



1 AHU-1 DETAIL
M502 SCALE: NOT TO SCALE

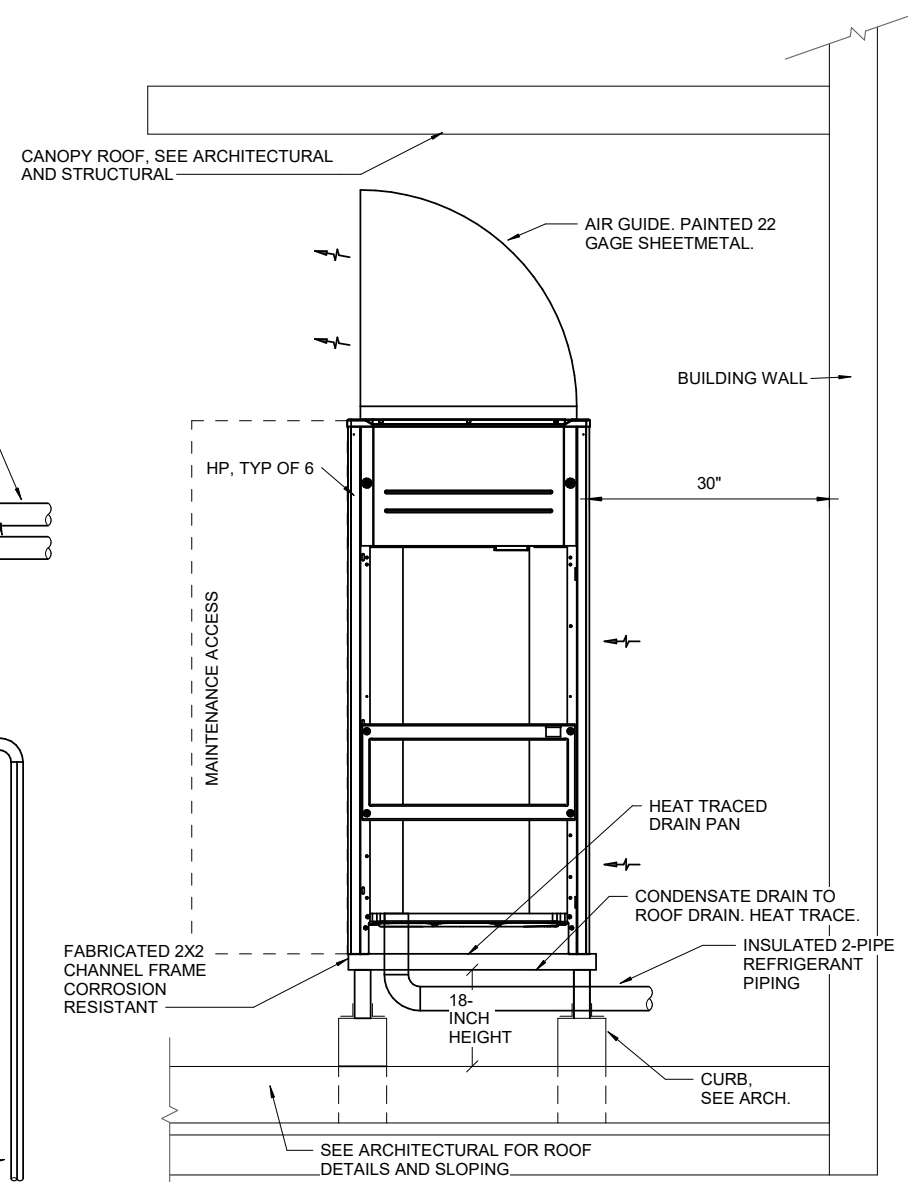


2 HP ENLARGED PLAN, TYPICAL
M502 SCALE: NOT TO SCALE



CONSTRUCTION NOTES:
1 SEE PLAN AND / OR MANUFACTURER'S DATA FOR DIMENSIONS.

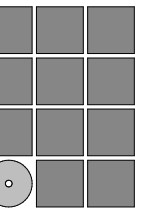
4 TYPICAL DUCTED COIL ASSEMBLY DETAIL
M502 SCALE: NOT TO SCALE



3 HP SECTION
M502 SCALE: NOT TO SCALE

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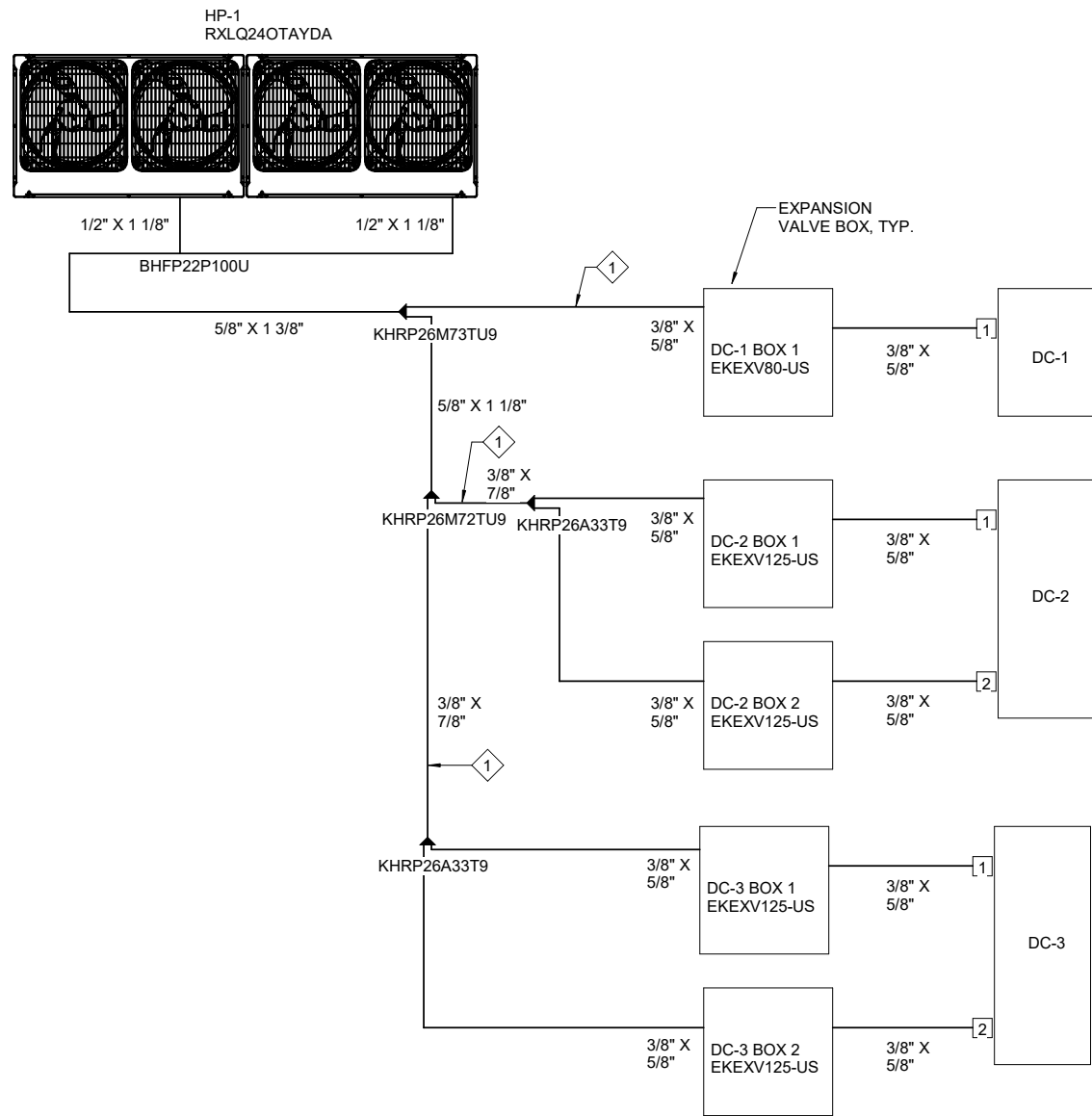


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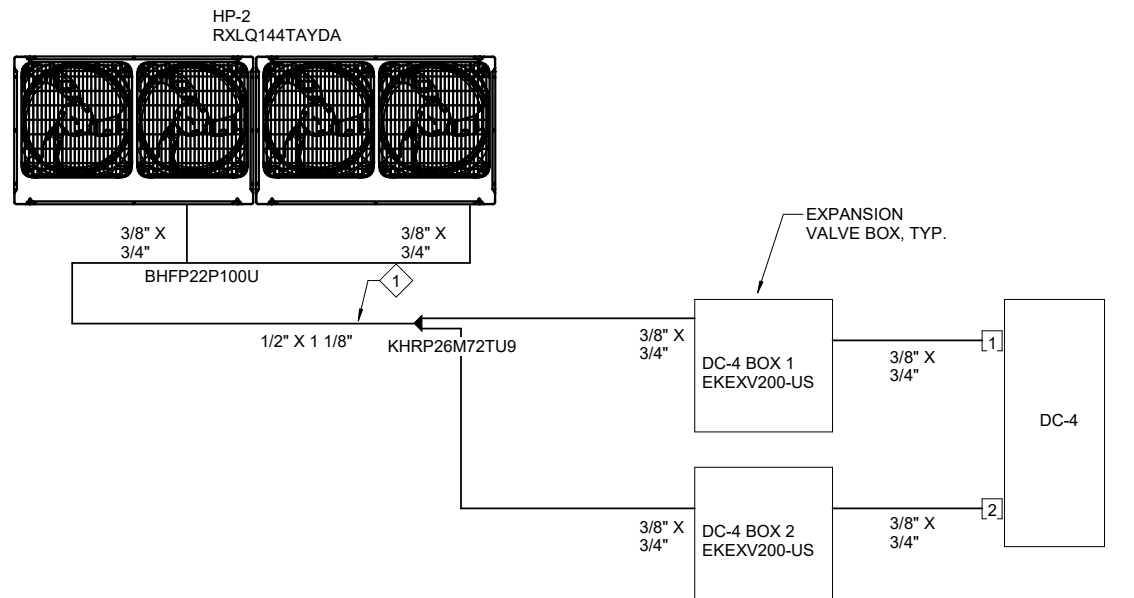
MECHANICAL DETAILS

DATE: June 14, 2022
FILE: 20206JN

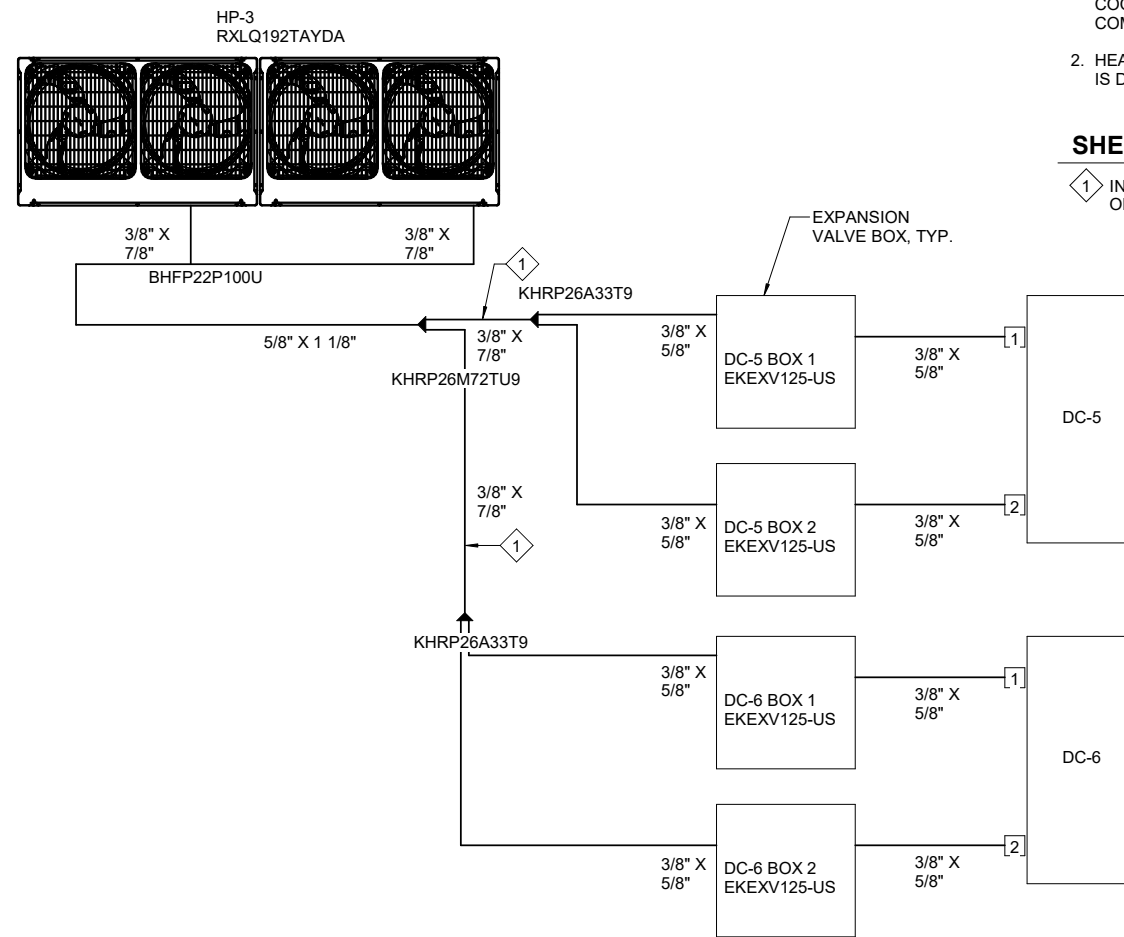
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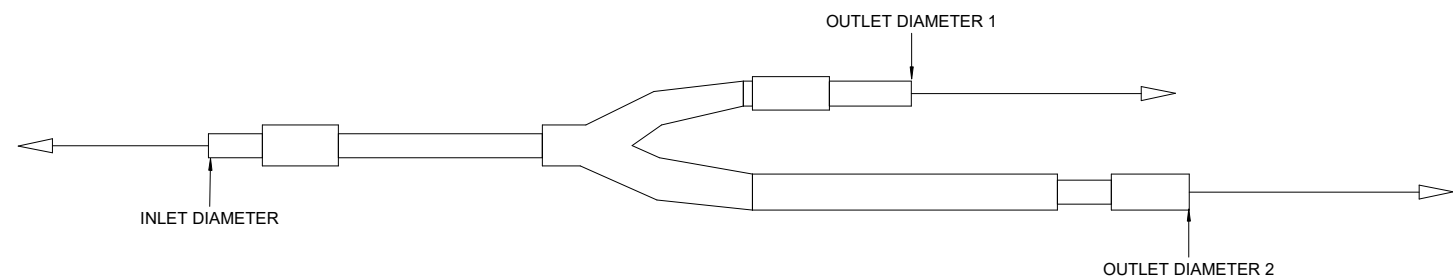
1 HP-1 PIPING DIAGRAM
M503 SCALE: NOT TO SCALE



2 HP-2 PIPING DIAGRAM
M503 SCALE: NOT TO SCALE



3 HP-3 PIPING DIAGRAM
M503 SCALE: NOT TO SCALE



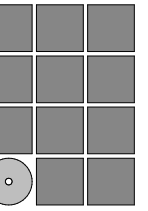
4 REFRIGERANT Y-BRANCH DETAIL
M503 SCALE: NOT TO SCALE

SHEET NOTES

1. PIPE SIZING SHALL BE AS DESIGNED BY HEAT PUMP MANUFACTURER FOR SPECIFIC PROJECT. INSTALL REFRIGERANT PIPING AND LOW VOLTAGE COMMUNICATIONS WIRING PER MANUFACTURER'S REQUIREMENTS AND PROJECT SPECIFIC DESIGNS. COORDINATE WITH MANUFACTURER FOR COMPLETE REQUIREMENTS.
2. HEAT PUMP/VRF SYSTEM DESIGN MANUFACTURER IS DAIKIN INDUSTRIES.

SHEET KEYNOTES

- 1 INSTALL REFRIGERATION SERVICE STOP VALVES ON RS/RL PIPING AT LOCATION SHOWN.



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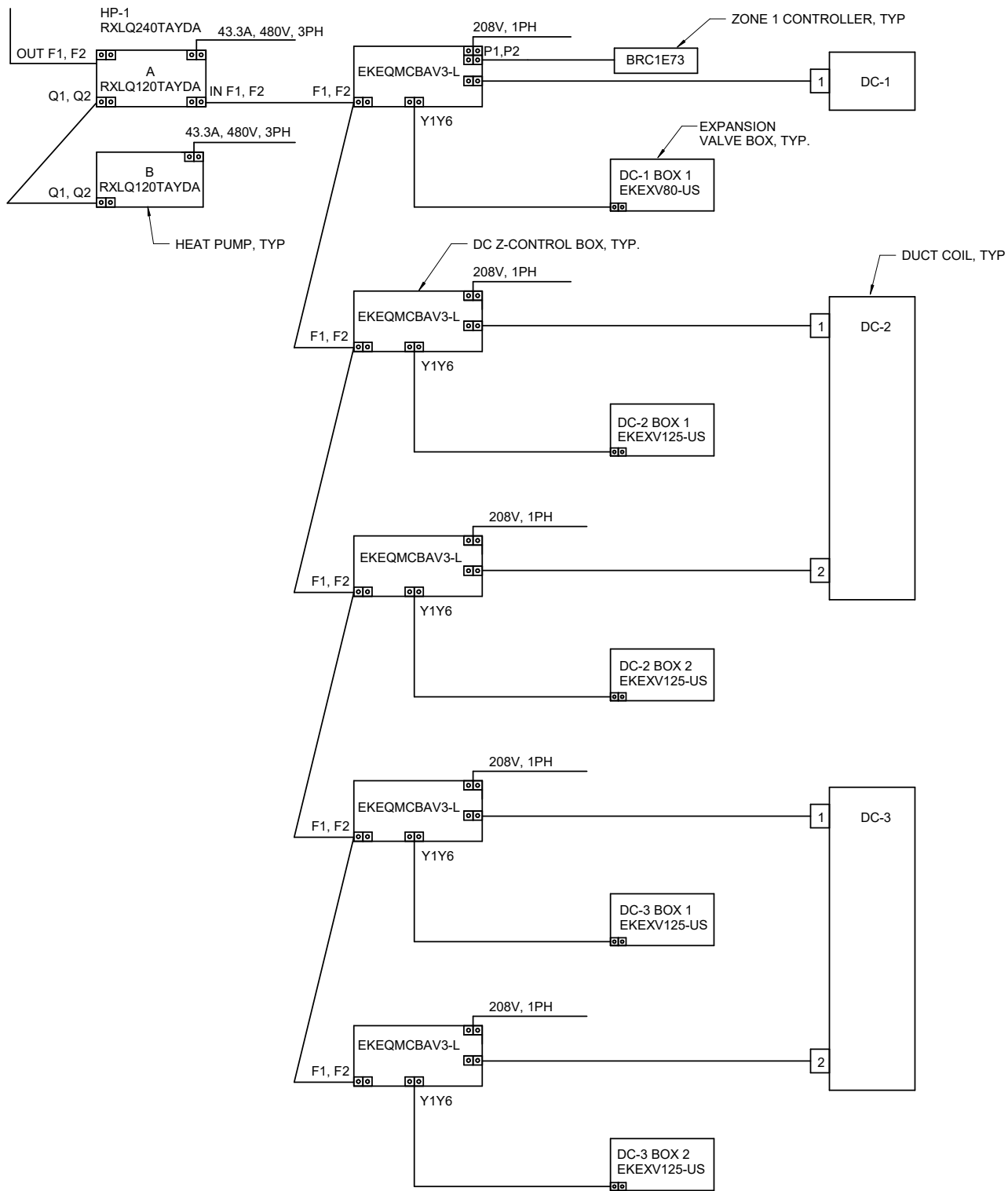
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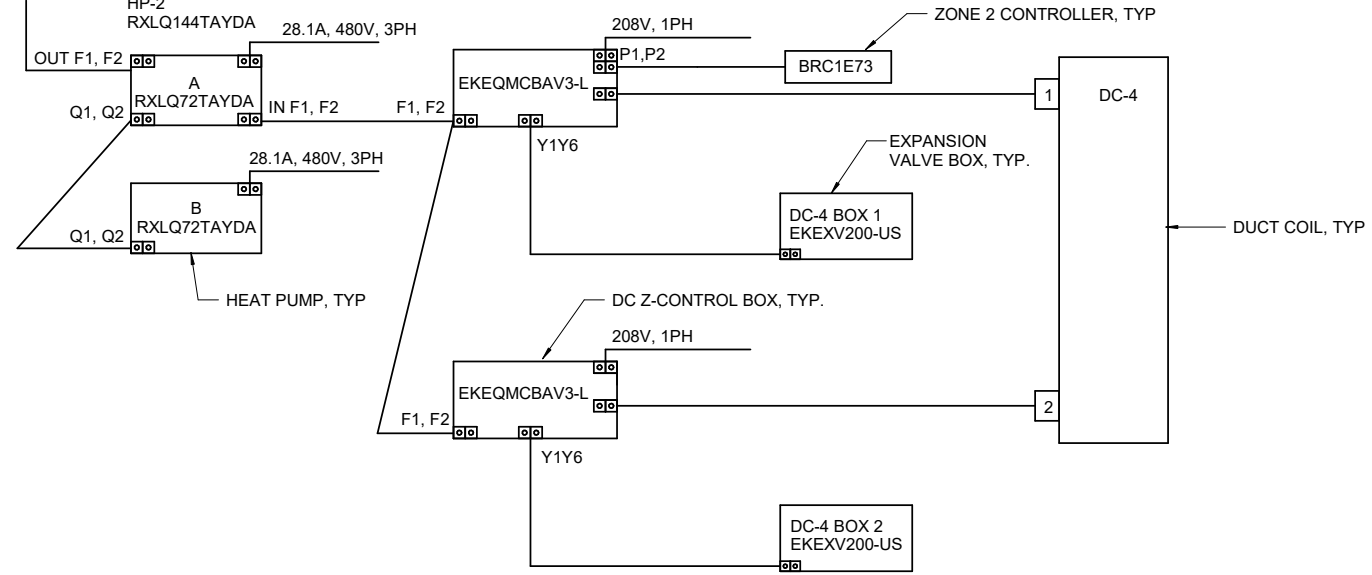
SHEET TITLE
**HEAT PUMP PIPING
DIAGRAMS**

DATE: June 14, 2022
FILE: 20206JN

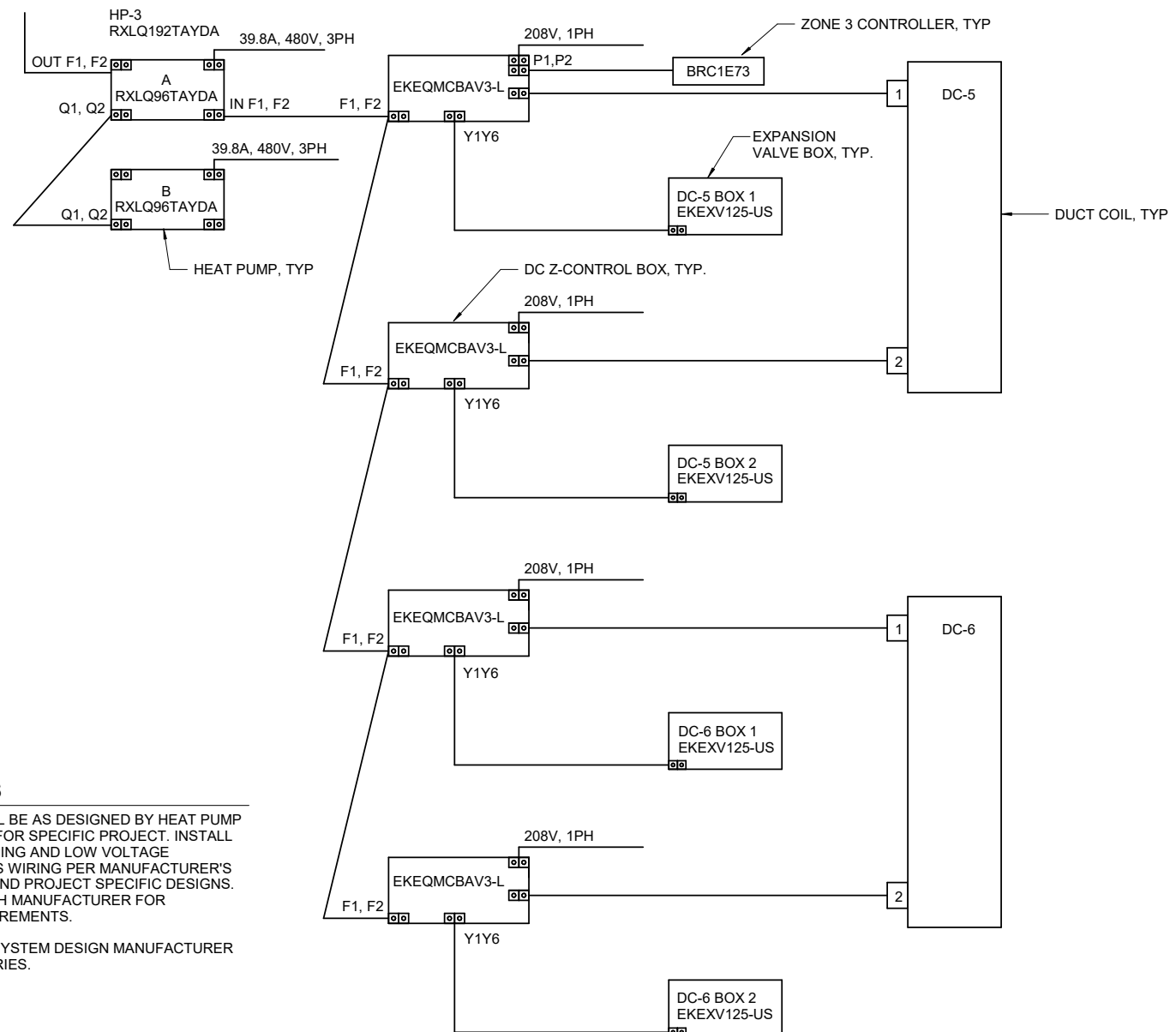
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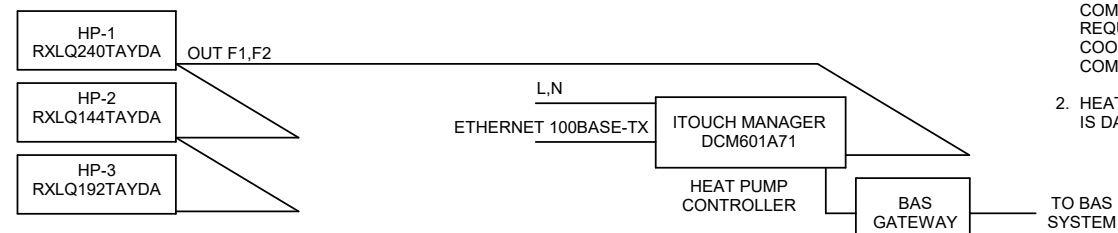
1 HP-1 WIRING DIAGRAM
M504 SCALE: NOT TO SCALE



2 HP-2 WIRING DIAGRAM
M504 SCALE: NOT TO SCALE



3 HP-3 WIRING DIAGRAM
M504 SCALE: NOT TO SCALE

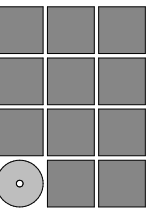


4 HP-1,HP-2,HP-3 CONTROLLER WIRING DIAGRAM
M504 SCALE: NOT TO SCALE

SHEET NOTES

- PIPE SIZING SHALL BE AS DESIGNED BY HEAT PUMP MANUFACTURER FOR SPECIFIC PROJECT. INSTALL REFRIGERANT PIPING AND LOW VOLTAGE COMMUNICATIONS WIRING PER MANUFACTURER'S REQUIREMENTS AND PROJECT SPECIFIC DESIGNS. COORDINATE WITH MANUFACTURER FOR COMPLETE REQUIREMENTS.
- HEAT PUMP/VRF SYSTEM DESIGN MANUFACTURER IS DAIKIN INDUSTRIES.

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SHEET TITLE
HEAT PUMP WIRING DIAGRAMS

DATE: June 14, 2022
FILE: 20206JN

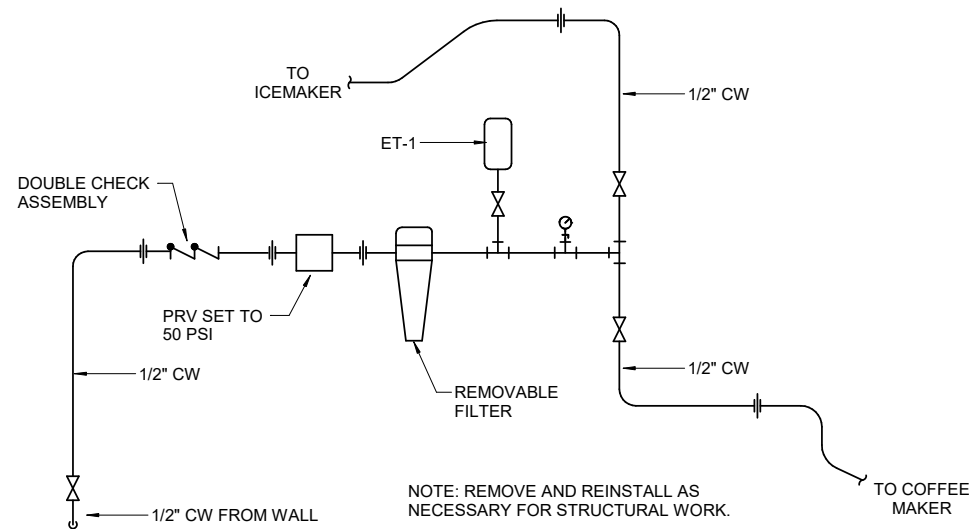
M504



1 KITCHEN WALL AT GRIDLINE 7
M505 SCALE: NO SCALE



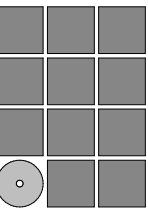
2 KITCHEN WALL AT GRIDLINE C
M505 SCALE: NO SCALE



3 ALTERNATE #1: ICEMAKER PIPING DIAGRAM
M505 SCALE: NO SCALE

SHEET NOTES

1. ALL WORK THIS SHEET IS IN ALTERNATE #1.
2. REMOVE/REINSTALL KITCHEN EQUIPMENT AND MECHANICAL SYSTEMS ABOVE GRID 7 AND GRID C WALLS TO ACCOMMODATE STRUCTURAL UPGRADE WORK. REINSTALL EQUIPMENT AND PLUMBING FIXTURES IN SAME LOCATION. RECONNECT PIPING AS NECESSARY.



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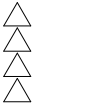
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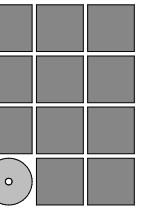
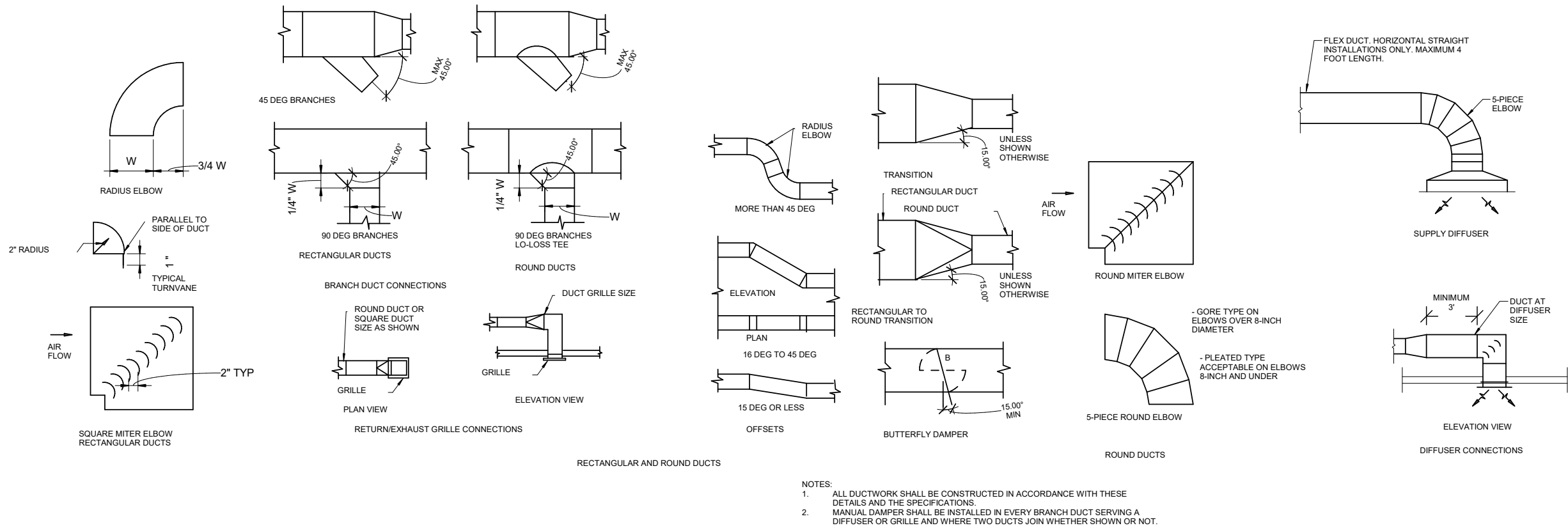


SHEET TITLE
**KITCHEN PHOTOS,
DIAGRAM**

DATE: June 14, 2022
FILE: 20206JN

M505

1 DUCTWORK DETAILS
M506 SCALE: NOT TO SCALE



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



SHEET TITLE
DETAILS


DATE: June 14, 2022
FILE: 20206JN

M506










LIGHTING AND CONTROL

-  SURFACE LUMINAIRE
-  EXIT SIGN
-  PIGTAIL BOX
-  WALL POCKET
-  NETWORK PLUG-IN
-  CONTROL STATION
-  WIRELESS TRANSMITTER

SWITCHING


-  TOGGLE SWITCH
-  DIMMER SWITCH

WIRING








-  JUNCTION BOX
-  CONDUIT CONCEALED IN CEILING OR WALL
-  CONDUIT CONCEALED IN FLOOR OR UNDER SLAB
-  HOT CONDUCTOR
-  NEUTRAL CONDUCTOR
-  GROUND CONDUCTOR
-  ISOLATED GROUND CONDUCTOR
-  HOMERUN TO INDICATED DESTINATION
-  FLEXIBLE CONDUIT CONNECTION

NOTE: WIRING NOT SHOWN WHERE ONLY A HOT, NEUTRAL, AND GROUND ARE REQUIRED.






SIGNAL

-  DATA OUTLET - NUMBER DENOTES QUANTITY OF JACKS










FIRE ALARM

-  MANUAL PULL STATION
-  SMOKE DETECTOR
-  HEAT DETECTOR
-  HORN/STROBE
-  STROBE ONLY UNIT
-  CONTROL MODULE
-  LOUDSPEAKER








POWER DEVICES

-  SPECIAL PURPOSE RECEPTACLE
-  SIMPLEX RECEPTACLE
-  DOUBLE DUPLEX RECEPTACLE
-  DUPLEX RECEPTACLE
-  ABOVE COUNTER RECEPTACLE

DISTRIBUTION

-  BRANCH CIRCUIT PANELBOARD
-  MOTOR CONNECTION
-  TRANSFORMER
-  SERVICE OR DISTRIBUTION EQUIPMENT
-  UTILITY METER
-  DISCONNECT SWITCH
-  FUSED DISCONNECT SWITCH
-  COMBINATION STARTER
-  STARTER OR CONTACTOR



DIAGRAMS

-  20/1 CIRCUIT BREAKER
-  SWITCH
-  TRANSFER SWITCH
-  FUSE
-  400AS 250AF FUSED SWITCH, WITH SWITCH AND FUSE RATING
-  TRANSFORMER
-  SHUNT TRIP COIL

ABBREVIATIONS

- A AMPERES
- AC ALTERNATING CURRENT
- AFF ABOVE FINISHED FLOOR
- AS AMPERE (RATED) SWITCH
- C CONDUIT
- CKTS CIRCUITS
- FACP FIRE ALARM CONTROL PANEL
- GFI GROUND FAULT CIRCUIT INTERRUPTER
- G GROUND
- GD GARBAGE DISPOSAL
- HOA HAND-OFF-AUTO
- HP HORSEPOWER
- HZ HERTZ
- KW KILOWATTS
- KVA KILOVOLT-AMPERES
- MLO MAIN LUGS ONLY
- MTD MOUNTED
- N NEUTRAL (GROUNDED CONDUCTOR)
- NC NORMALLY CLOSED
- NEC NATIONAL ELECTRICAL CODE
- OL OVERLOAD
- PH PHASE
- TYP TYPICAL
- UL UNDERWRITERS LAB
- UON UNLESS OTHERWISE NOTED
- V VOLTS
- VFD VARIABLE FREQUENCY DRIVE
- W WATT
- WP WEATHERPROOF

REFERENCE SYMBOLS

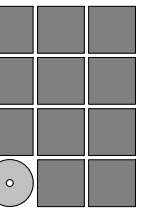
-  SHEET NOTE REFERENCE
-  2 E201 DETAIL REFERENCE
- (E) EXISTING
- (N) NEW
- (X) REMOVE
- (RL) RELOCATE
- (P) REPLACE
- (X/S) REMOVE AND SALVAGE

GENERAL NOTES:

1. PROJECT ALTERNATE 1 - GRID 7 STRUCTURAL UPGRADES, INCLUDES THE WORK IN KITCHEN 133 ALONG GRID 7 REQUIRED TO INSTALL WALL BRACE FRAME. COORDINATE WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

DRAWING LIST

- E001 LEGEND AND ABBREVIATIONS
- E201 1ST FLOOR PLAN OVERALL
- E202 2ND FLOOR PLAN OVERALL
- ED211 1ST FLOOR POWER AND SIGNAL DEMOLITION PLAN - NW
- ED212 1ST FLOOR POWER AND SIGNAL DEMOLITION PLAN - BALLROOMS
- ED221 2ND FLOOR POWER AND SIGNAL DEMOLITION PLAN - NW
- ED222 2ND FLOOR POWER AND SIGNAL DEMOLITION PLAN - BALLROOMS
- ED312 1ST FLOOR LIGHTING DEMOLITION PLAN - BALLROOMS
- ED322 2ND FLOOR LIGHTING DEMOLITION PLAN - BALLROOMS
- ED332 CATWALKR LIGHTING DEMOLITION PLAN - BALLROOMS
- ED401 ENLARGED ELECTRICAL 203 DEMOLITION PLAN
- E211 1ST FLOOR POWER AND SIGNAL PLAN - NW
- E212 1ST FLOOR POWER AND SIGNAL PLAN - BALLROOMS
- E221 2ND FLOOR POWER AND SIGNAL PLAN - NW
- E222 2ND FLOOR POWER AND SIGNAL PLAN - BALLROOMS
- E232 CATWALK POWER AND SIGNAL PLAN - BALLROOMS
- E312 1ST FLOOR LIGHTING PLAN - BALLROOMS
- E322 2ND FLOOR LIGHTING PLAN - BALLROOMS
- E331 CATWALK LIGHTING PLAN - BALLROOMS NW
- E332 CATWALK LIGHTING PLAN - BALLROOMS NE
- E401 ENLARGED ELECTRICAL 203 PLAN
- E501 SINGLE LINE DIAGRAMS
- E502 SINGLE LINE DIAGRAMS
- E503 SINGLE LINE DIAGRAMS
- E601 SCHEDULES
- E602 SCHEDULES
- E603 SCHEDULES
- E604 SCHEDULES



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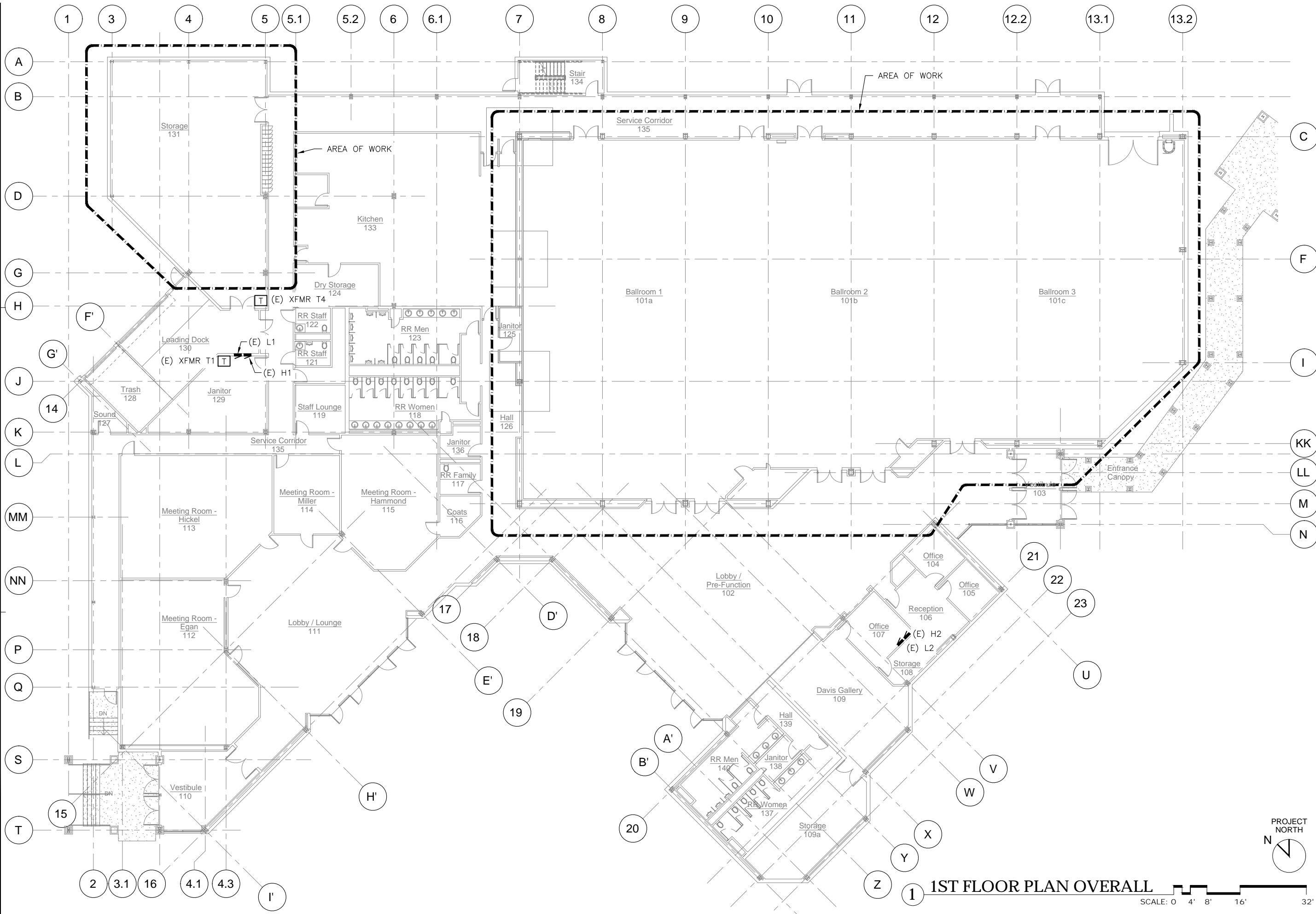
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LEGEND AND ABBREVIATIONS

DATE: June 14, 2022
FILE: 20015

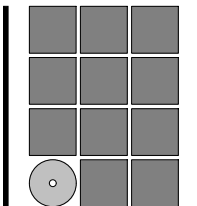
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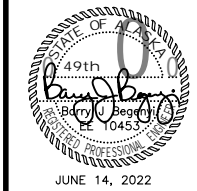


1ST FLOOR PLAN OVERALL

SCALE: 0 4' 8' 16' 32'



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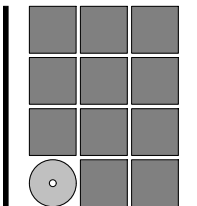
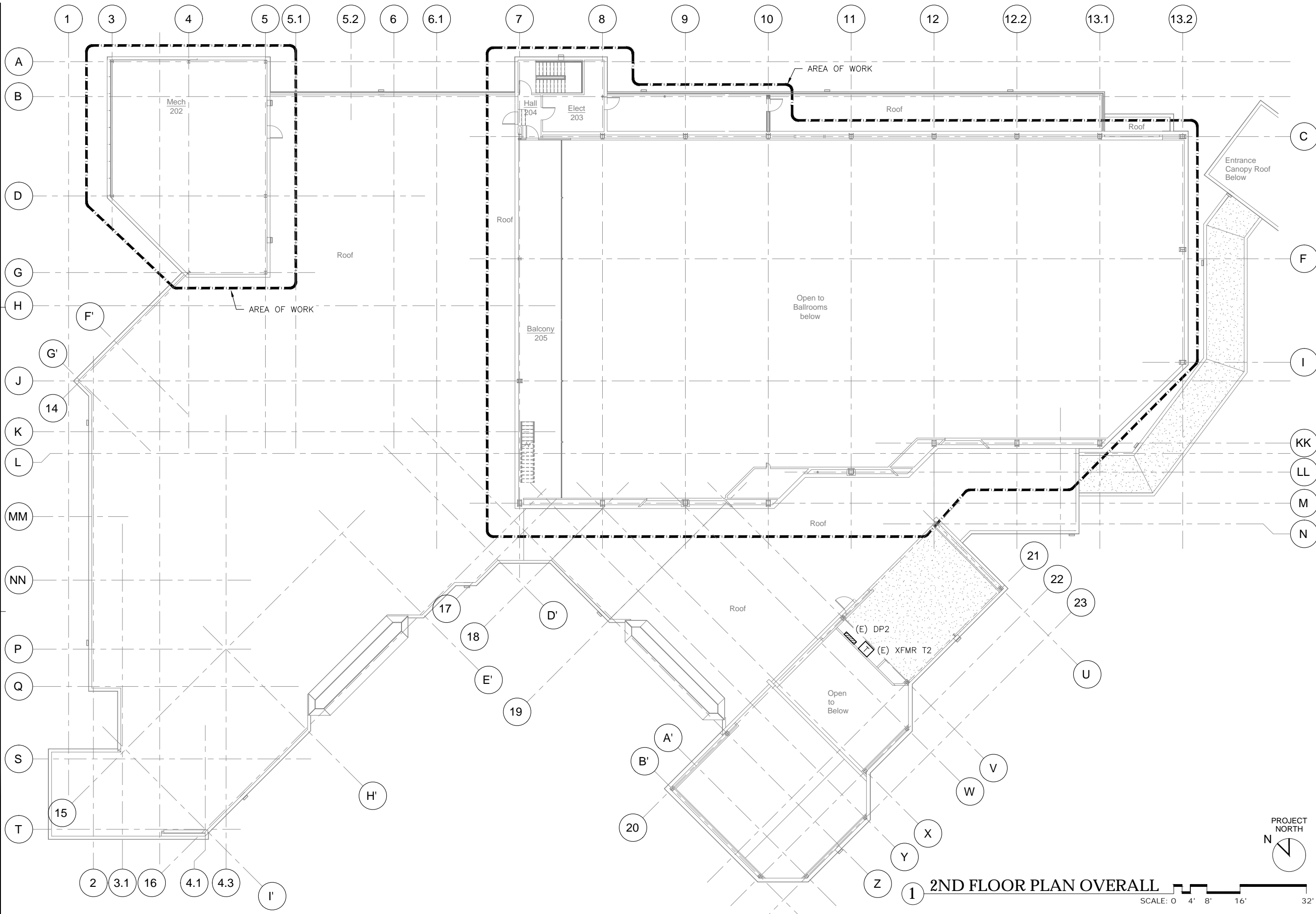
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1ST FLOOR PLAN OVERALL

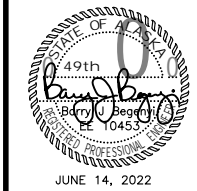
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SHEET TITLE
2ND FLOOR PLAN OVERALL

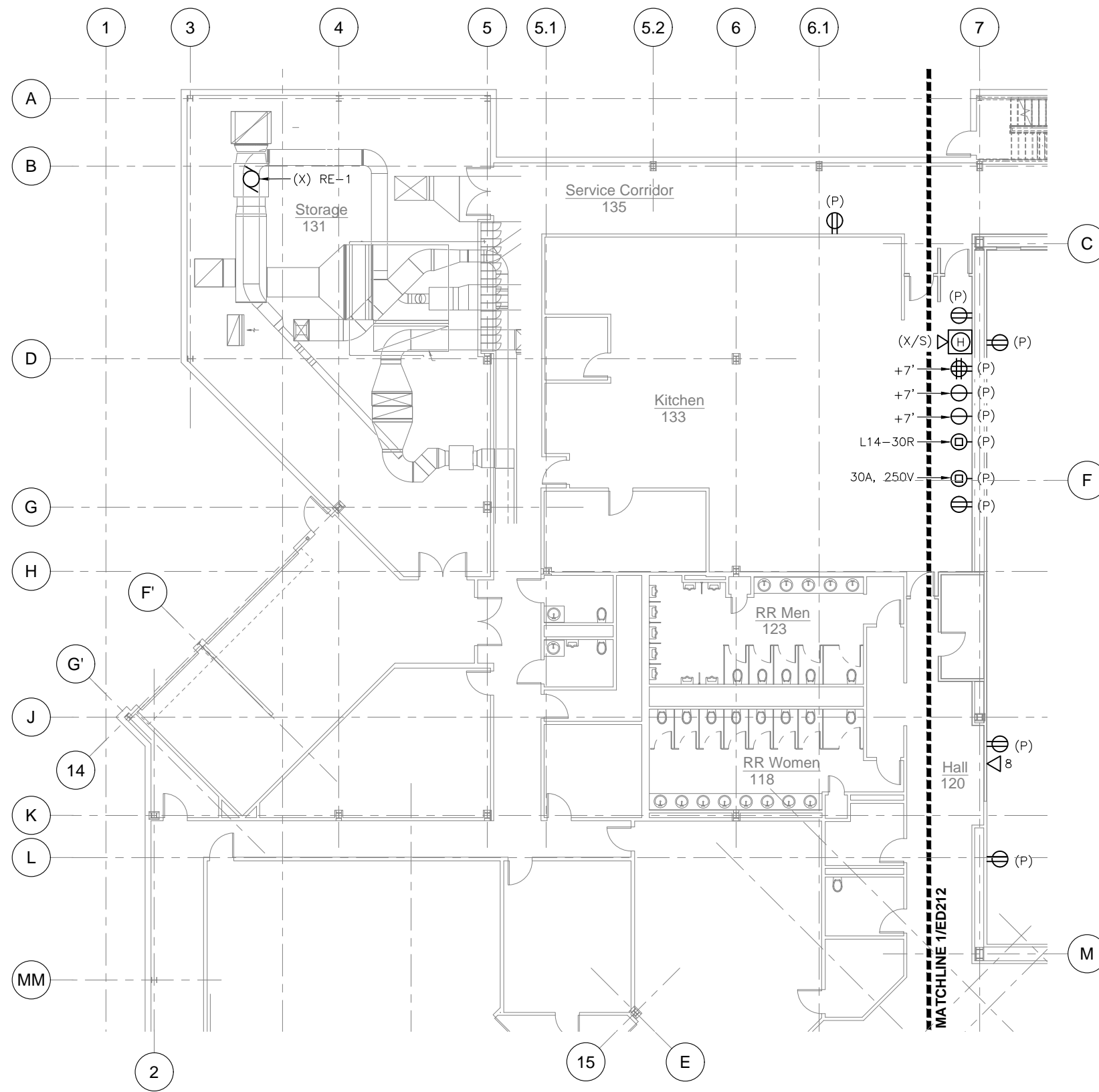
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2ND FLOOR PLAN OVERALL

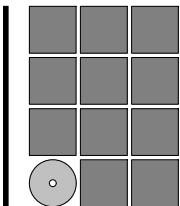
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1 1ST FLOOR POWER AND SIGNAL DEMOLITION PLAN - NW

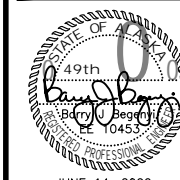
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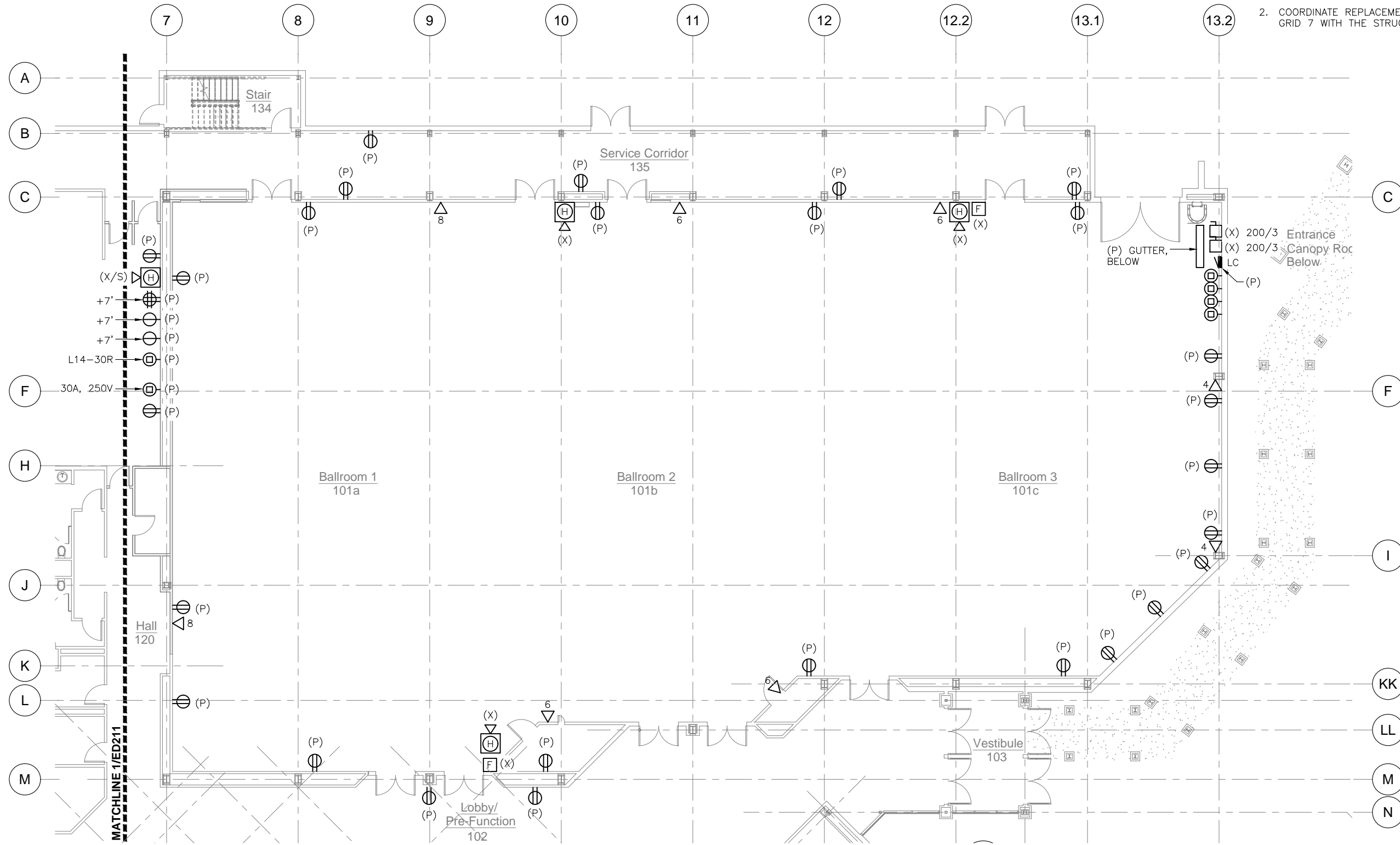
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1ST FLOOR POWER AND SIGNAL DEMOLITION PLAN - NW

DATE: June 14, 2022
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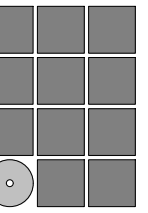
1 1ST FLOOR POWER AND SIGNAL DEMOLITION PLAN - BALLROOMS

SCALE: 0 4' 8' 16'



NOTES:

1. THE EXISTING MANUAL PULL STATIONS ARE LOCATED AT APPROXIMATELY 59-INCHES ABOVE FINISHED FLOOR. MOUNT NEW DEVICES AT ADA COMPLIANT HEIGHT.
2. COORDINATE REPLACEMENT OF DEVICES ALONG GRID 7 WITH THE STRUCTURAL IMPROVEMENTS.



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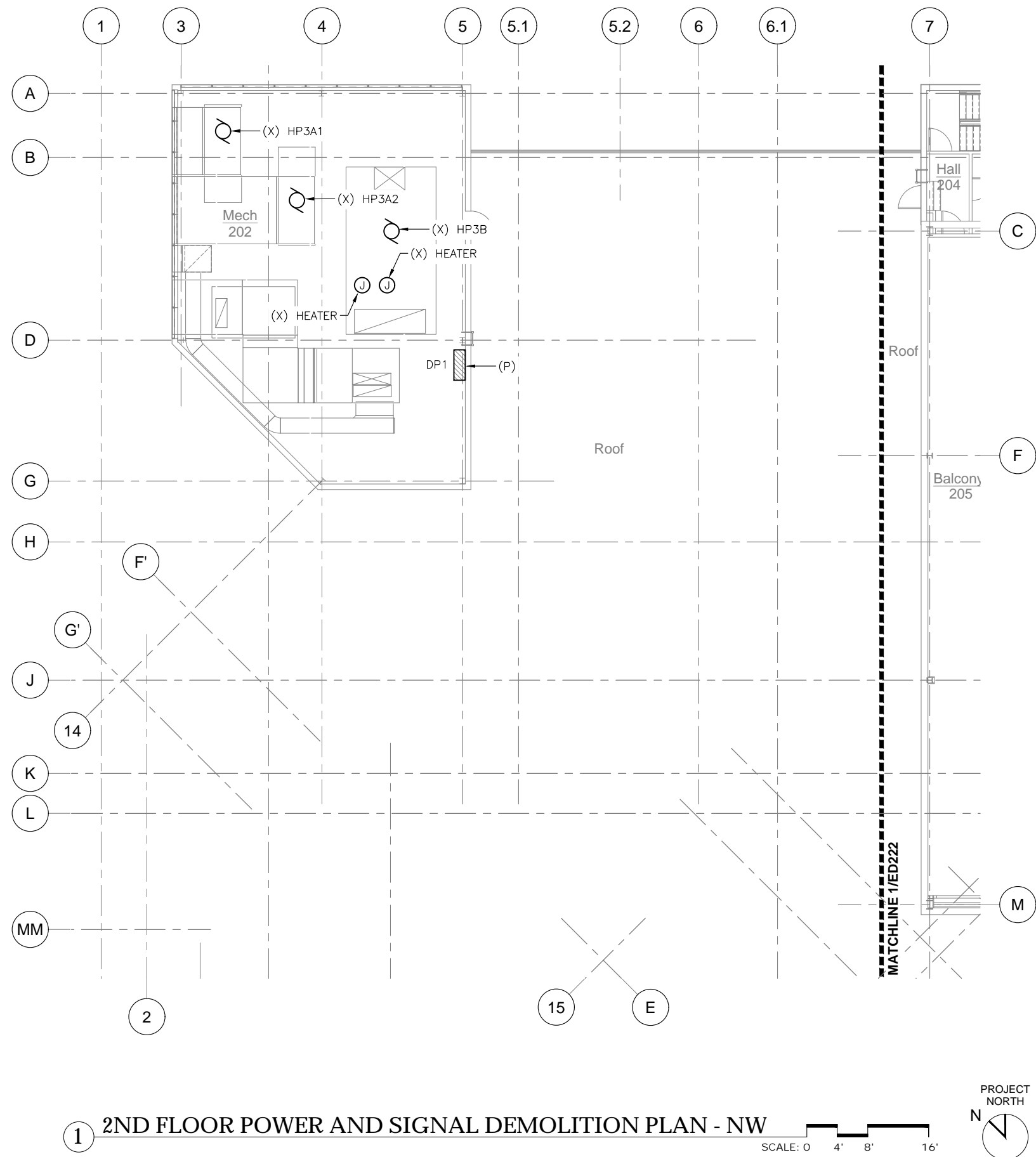
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DATE: June 14, 2022

FILE: 20015

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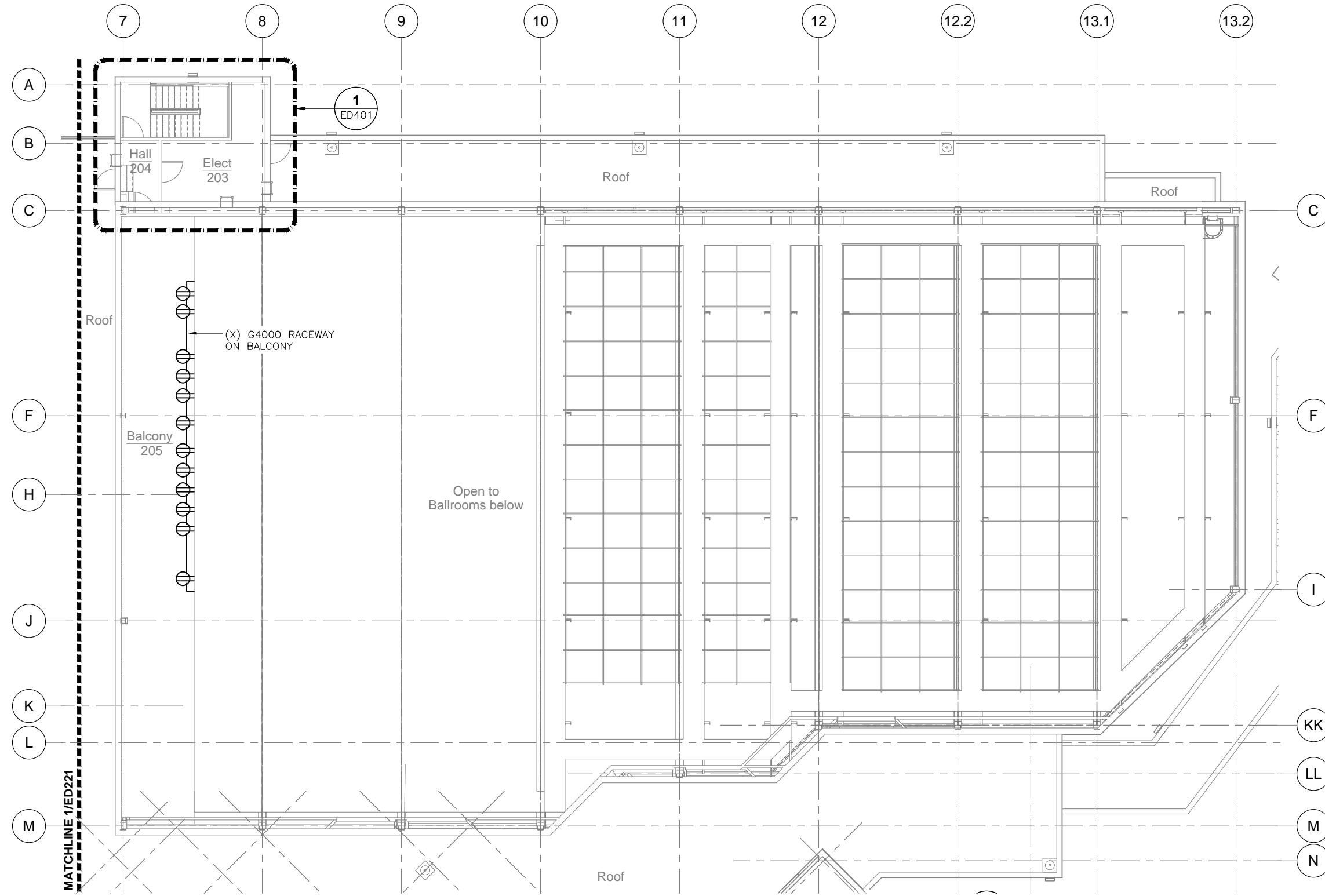
1 2ND FLOOR POWER AND SIGNAL DEMOLITION PLAN - NW

SCALE: 0 4' 8' 16'



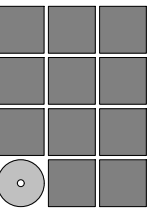
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2ND FLOOR POWER AND SIGNAL DEMOLITION PLAN - NW	
DATE: June 14, 2022	
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1 2ND FLOOR POWER AND SIGNAL DEMOLITION PLAN - BALLROOMS

SCALE: 0 4' 8' 16'



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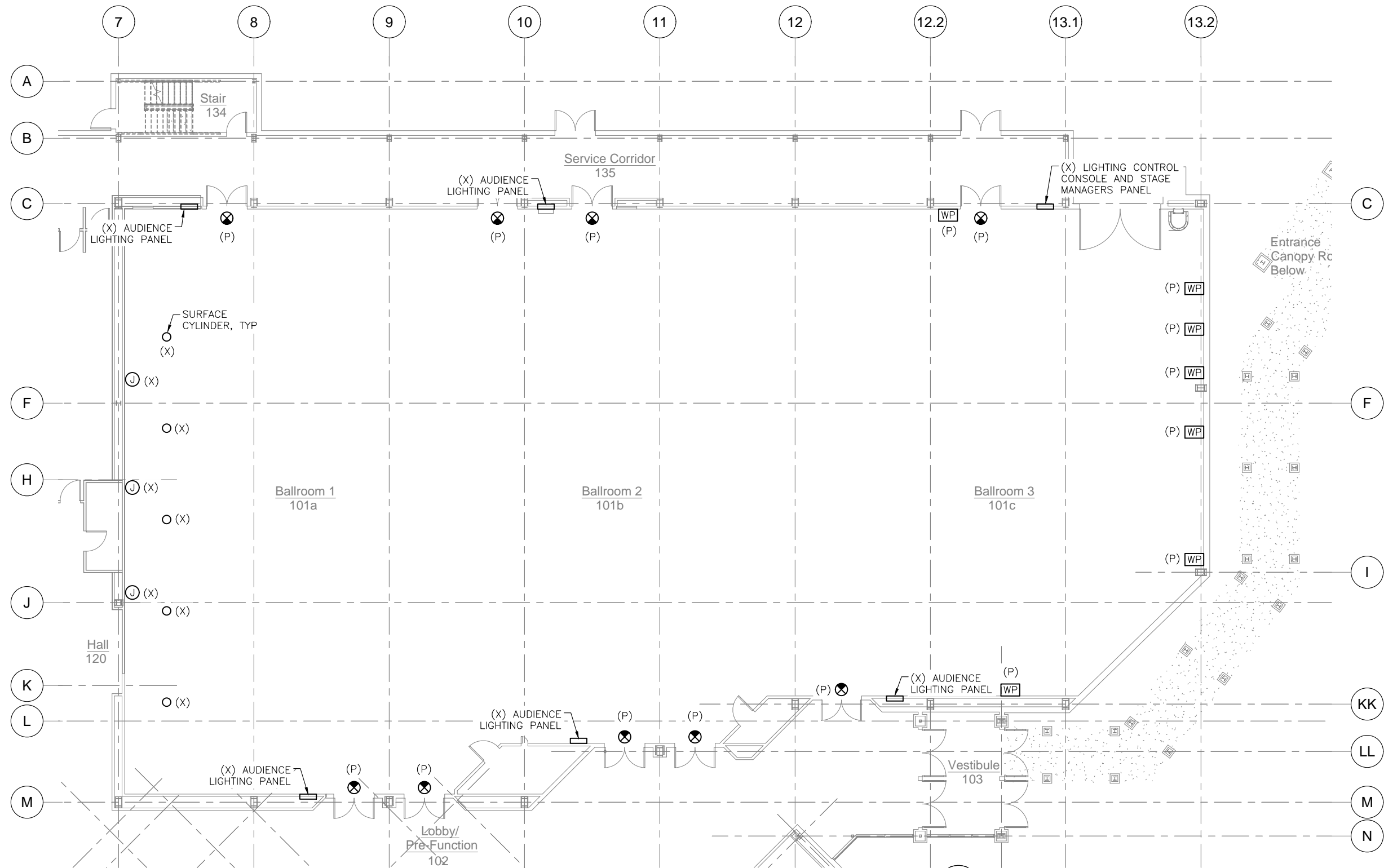
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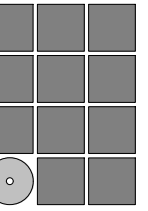
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1 1ST FLOOR LIGHTING DEMOLITION PLAN - BALLROOMS

SCALE: 0 4' 8' 16'



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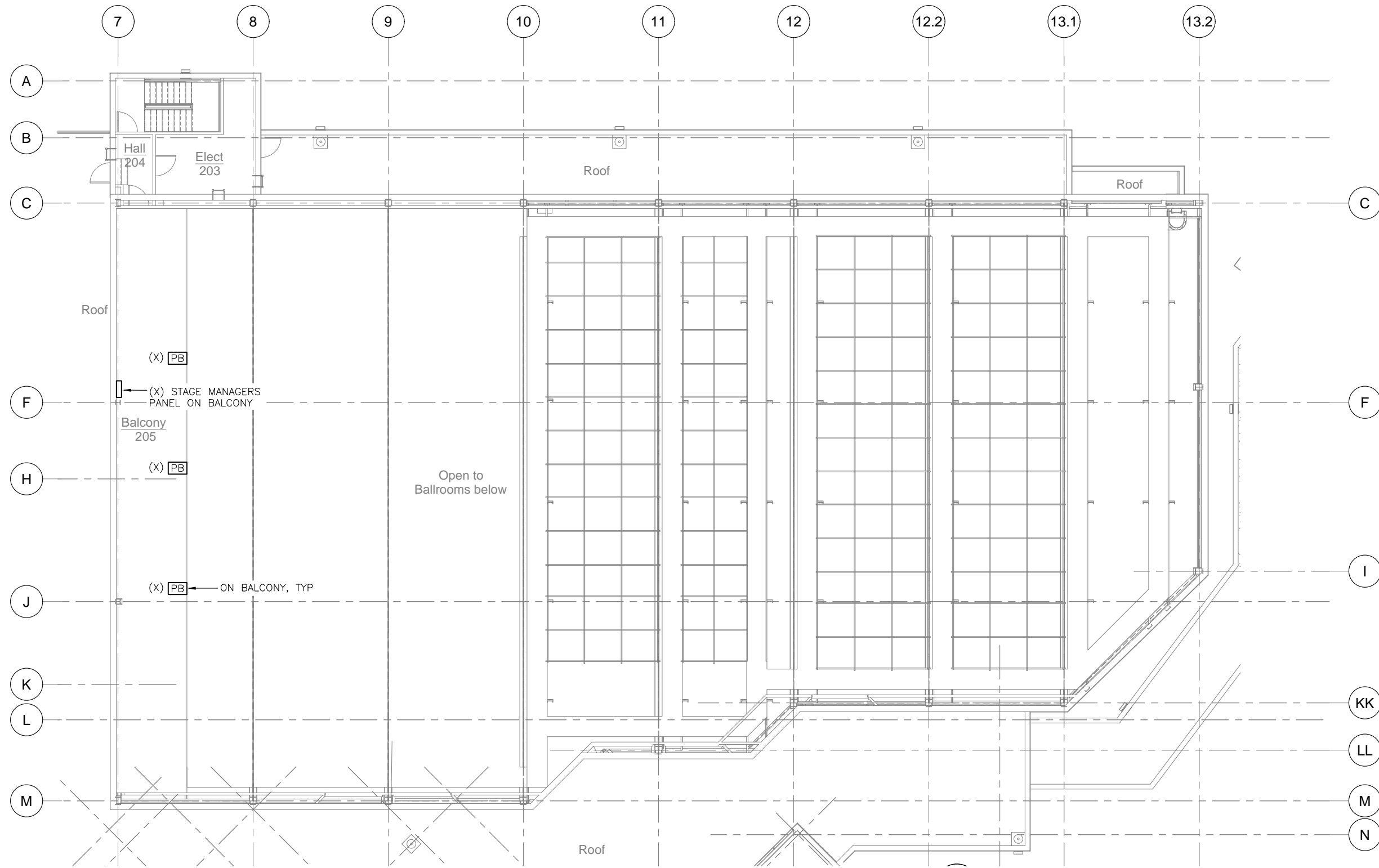


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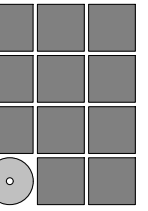
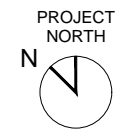
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FILE: 20015

ED312



1 2ND FLOOR LIGHTING DEMOLITION PLAN - BALLROOMS

SCALE: 0 4' 8' 16'



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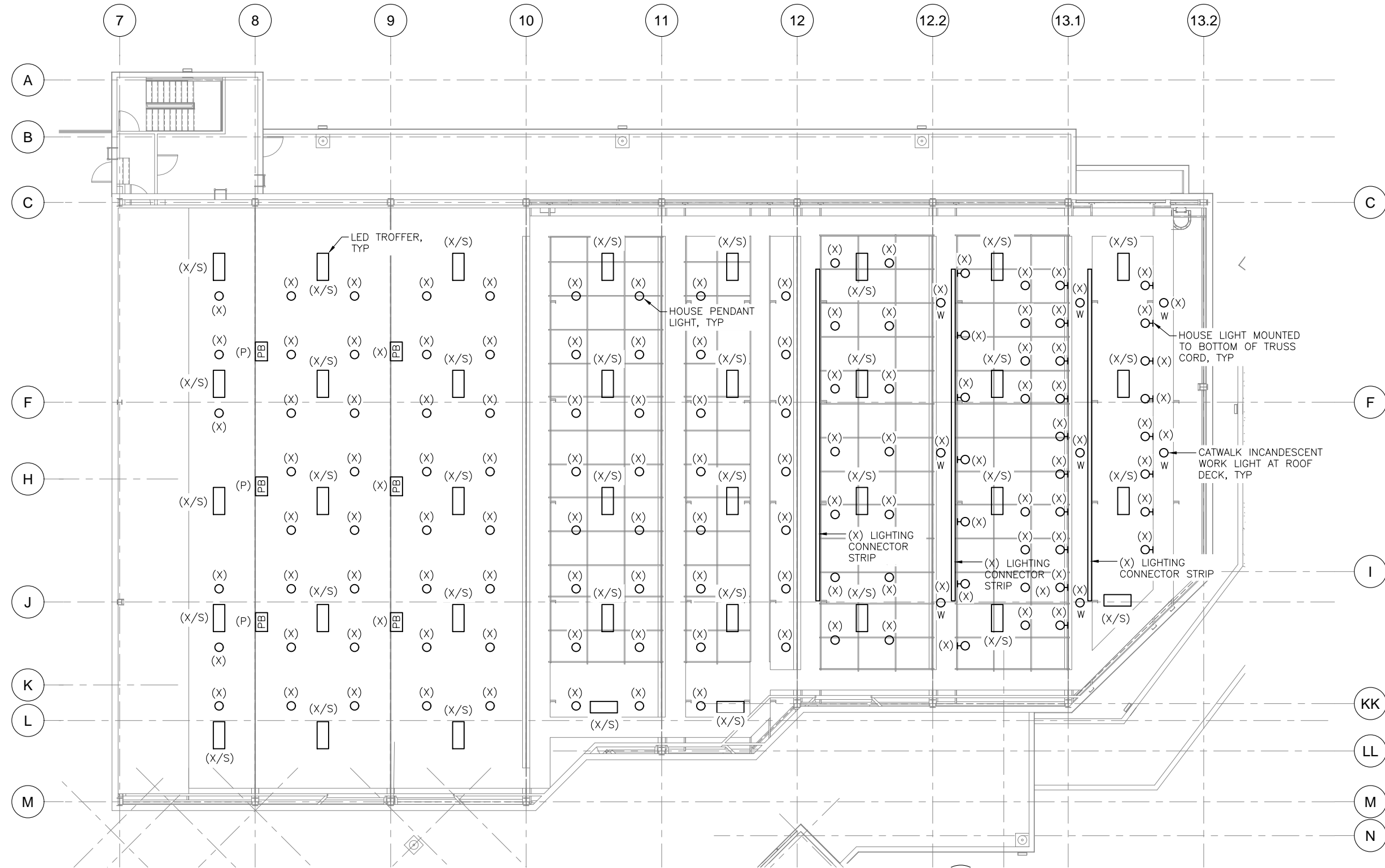
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BALLROOMS

DATE: June 14, 2022
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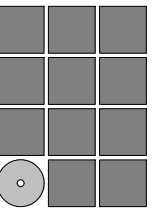
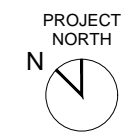
NOTES:

1. TURN OVER LED TROFFERS TO OWNER.



1 CATWALK LIGHTING DEMOLITION PLAN - BALLROOMS

SCALE: 0 4' 8' 16'



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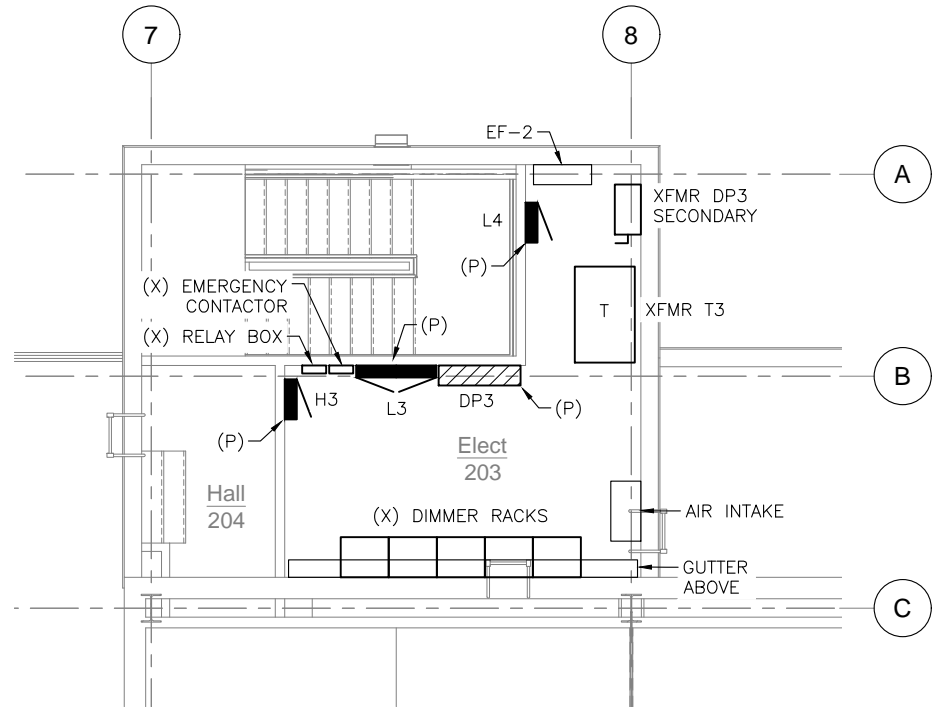
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SHEET TITLE
CATWALK LIGHTING DEMOLITION PLAN - BALLROOMS

DATE: June 14, 2022
FILE: 20015

ED332



2 ENLARGED ELECTRICAL 203 DEMOLITION PLAN

SCALE: 0 2' 4' 8'

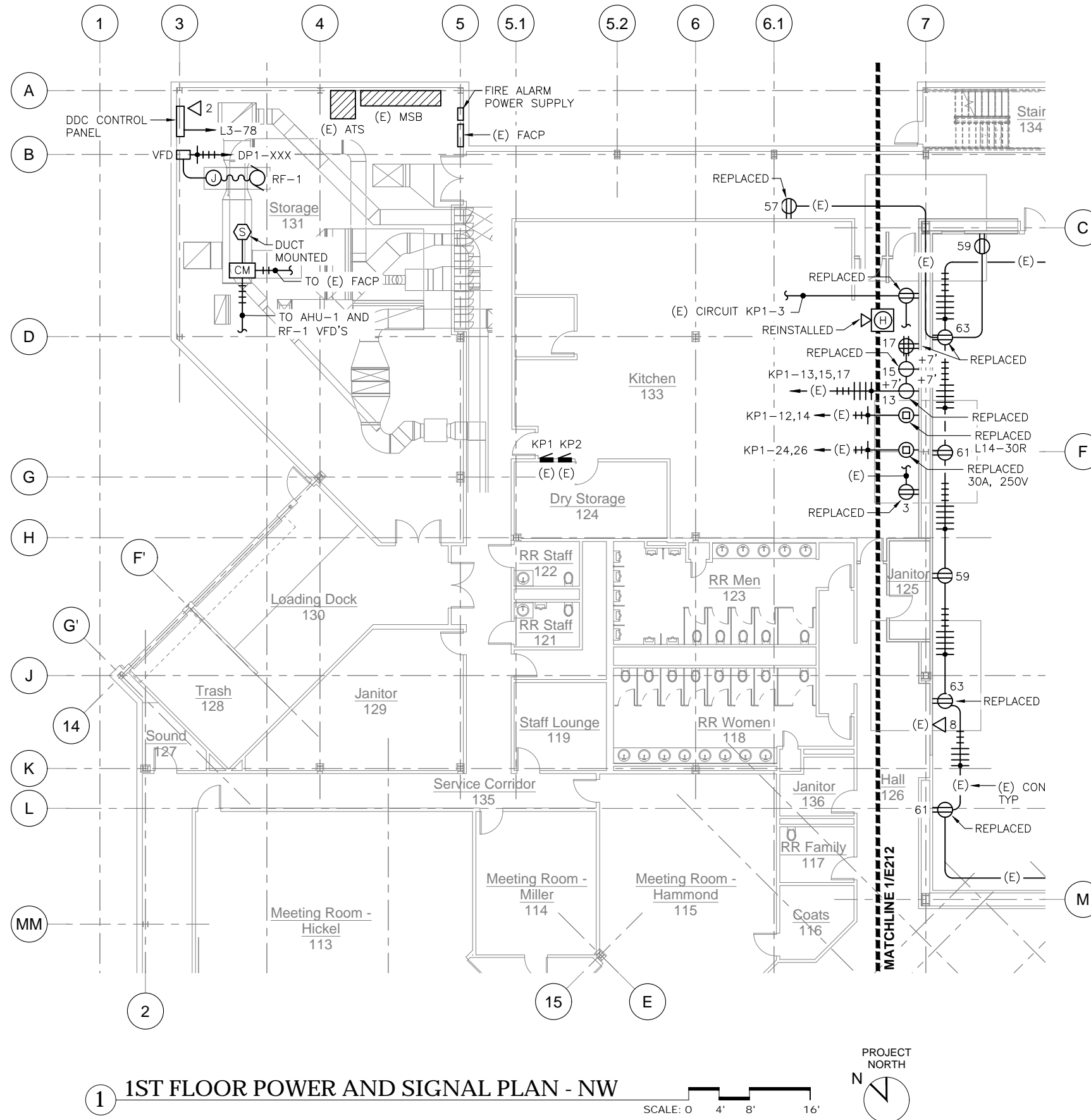


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ENLARGED ELECTRICAL 203 DEMOLITION PLAN	

DATE: June 14, 2022
FILE: 20015

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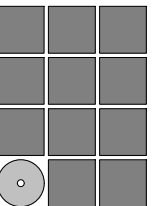
1 1ST FLOOR POWER AND SIGNAL PLAN - NW

SCALE: 0 4' 8' 16'



NOTES:

1. FIRE ALARM POWER SUPPLY: SILENT KNIGHT 5495.
2. REMOVE AND REINSTALL (8) SURFACE MOUNTED 1X4 LUMINAIRES IN KITCHEN 133 FOR CUTTING AND PATCHING WORK. REFER TO DRAWING A611.



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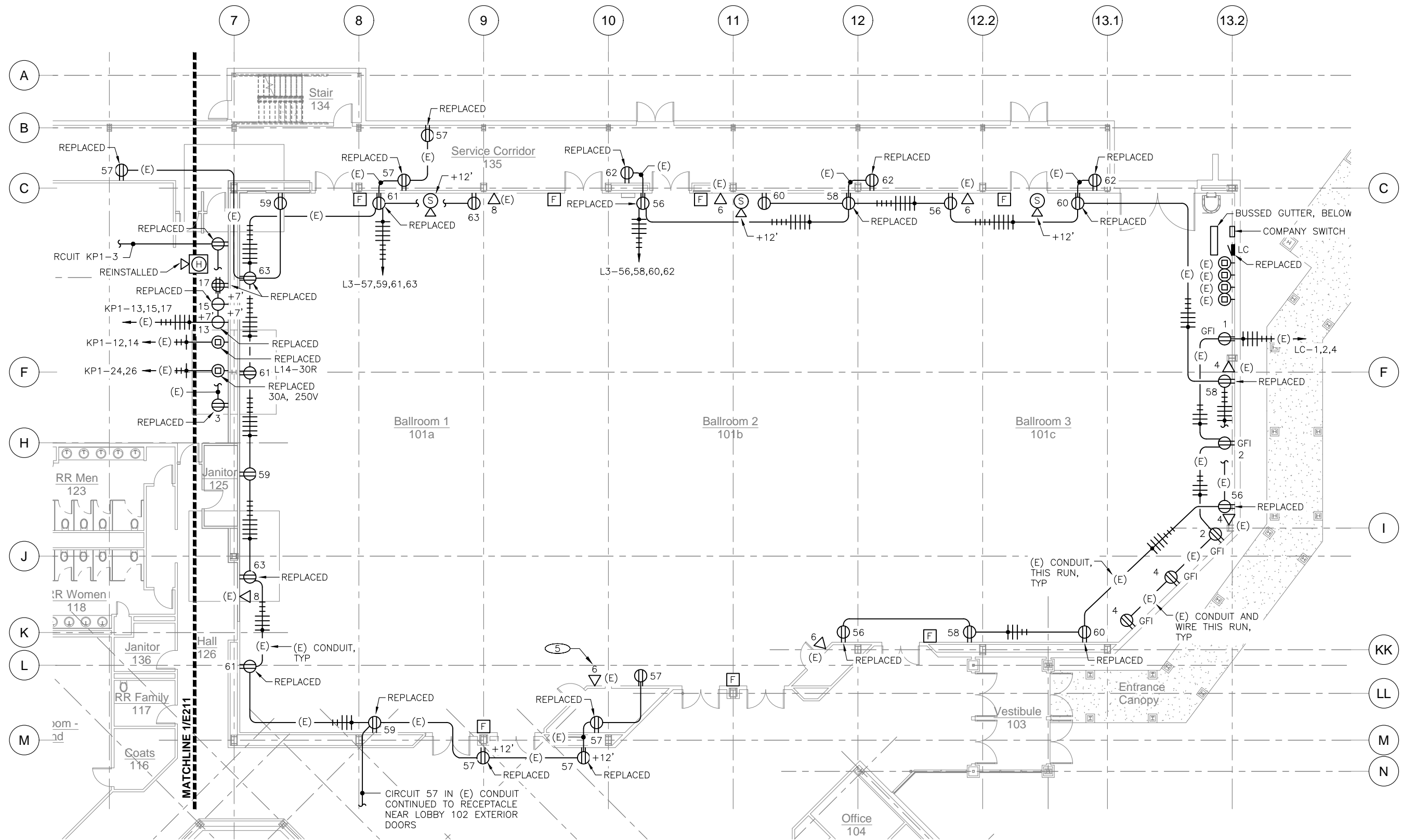
1ST FLOOR POWER AND SIGNAL PLAN - NW

DATE: June 14, 2022
FILE: 20015

E211

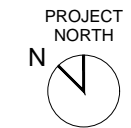
NOTES:

1. REPLACE (1) INDOOR AND (1) EXTERIOR RECEPTACLE ON CIRCUIT 57 IN LOBBY 102. REPLACE EXISTING WIRING.
2. COORDINATE CUTTING AND PATCHING FOR NEW RECEPTACLE CONDUIT WITH THE GENERAL CONTRACTOR.
3. RECONFIGURE CONDUIT AND WIRING AS REQUIRED ALONG GRID 7 TO COORDINATE WITH STRUCTURAL IMPROVEMENTS.
4. FIRE ALARM LOUDSPEAKER: HYPERSPIKE FULL RANGE (8) SPEAKER LINE ARRAY, ULTRA ELECTRONICS 90243A-803. PROVIDE ROUGH-IN ONLY.
5. PROVIDE 1" CONDUIT TO CATWALK LEVEL. REPULL EXISTING NETWORK CABLES THROUGH CONDUIT. PROVIDE NEW JACKS AND TERMINATIONS.

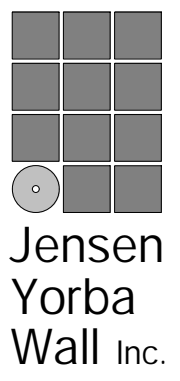


1 1ST FLOOR POWER AND SIGNAL PLAN - BALLROOMS

SCALE: 0 4' 8' 16'



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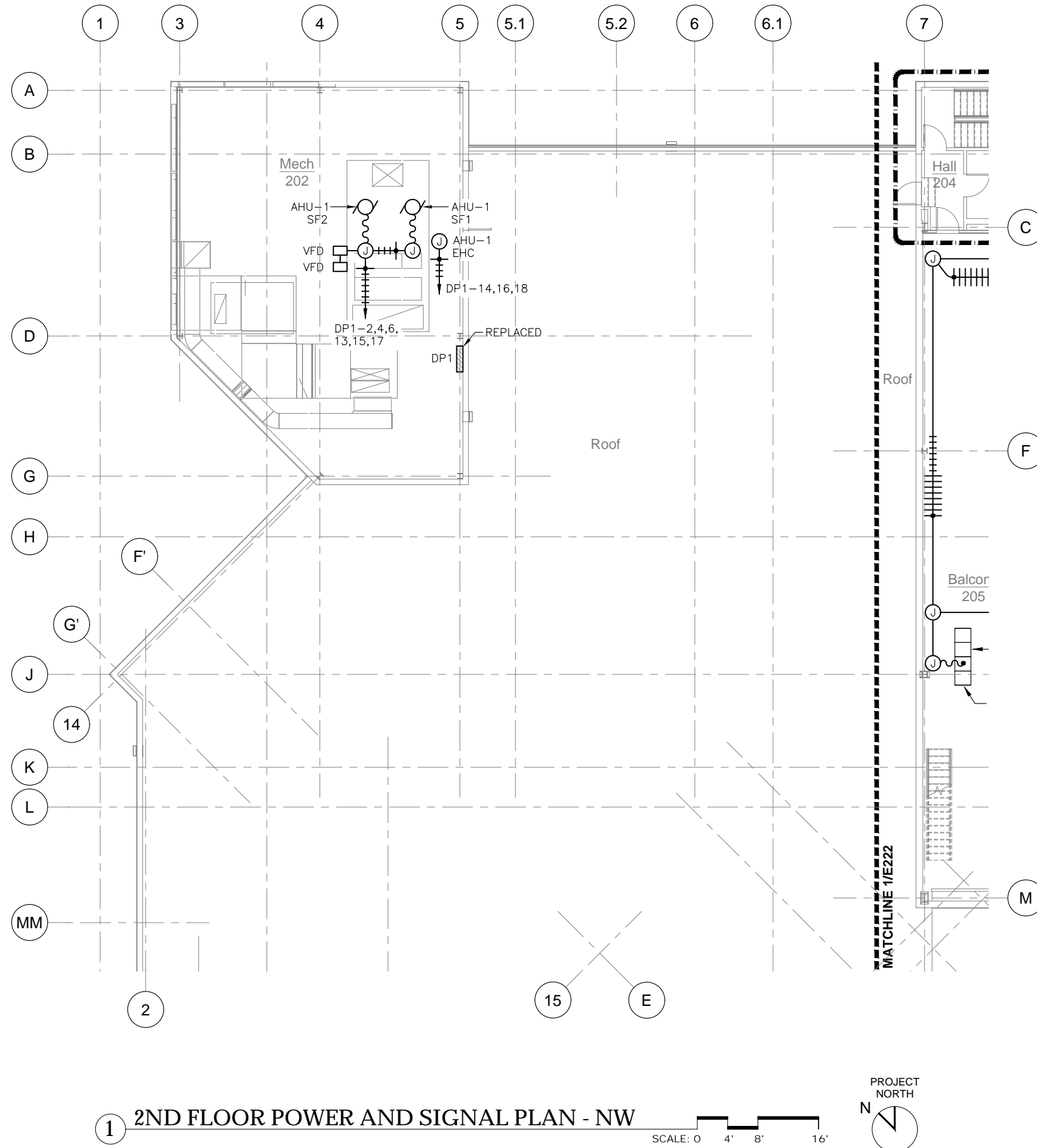
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1ST FLOOR POWER AND SIGNAL PLAN - BALLROOMS

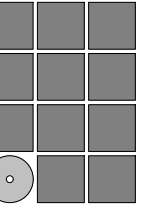
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E212



1 2ND FLOOR POWER AND SIGNAL PLAN - NW

SCALE: 0 4' 8' 16'



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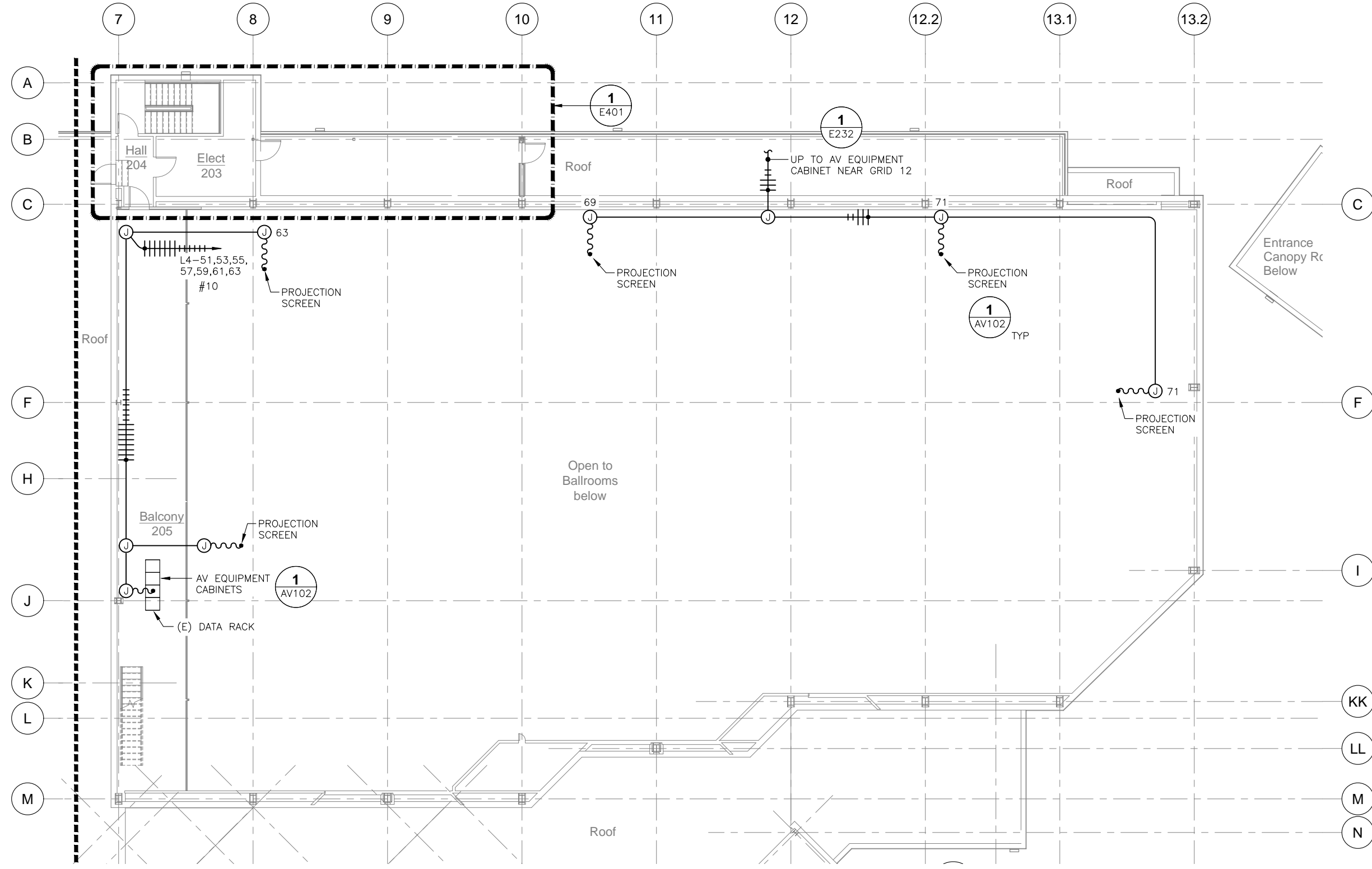
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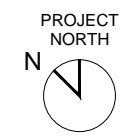
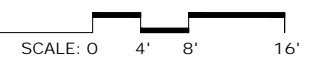
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2ND FLOOR POWER AND SIGNAL PLAN - NW

DATE: June 14, 2022
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E221

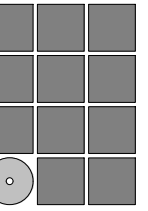


1 2ND FLOOR POWER AND SIGNAL PLAN - BALLROOMS



NOTES:

- 1. PROVIDE CIRCUIT FOR FIRE ALARM NOTIFICATION DEVICES FROM POWER SUPPLY IN STORAGE 131. REFER TO DRAWING E211.



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CENTENNIAL HALL
BALLROOM RENOVATION
CBJ Project No. BE22-204
Juneau, Alaska

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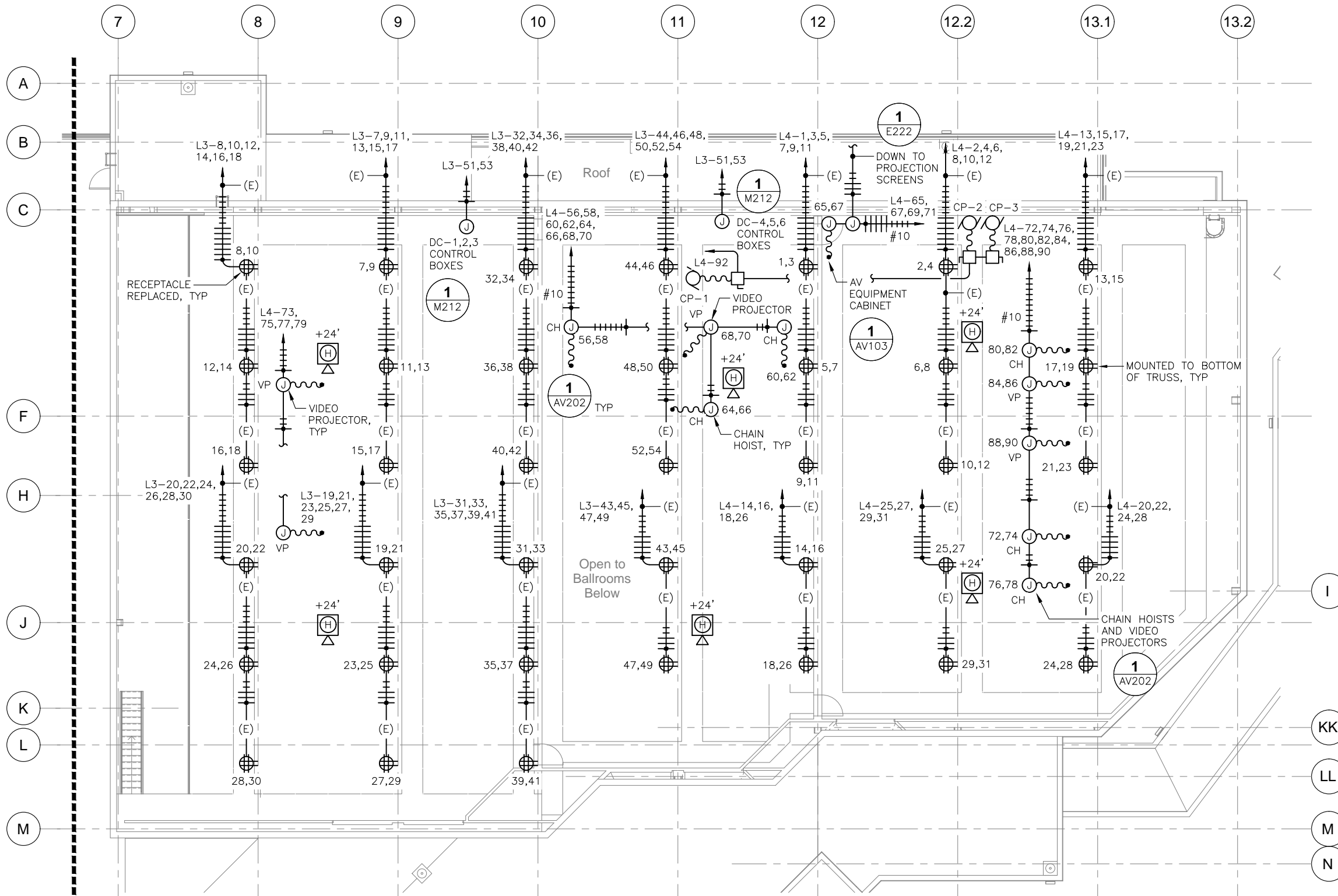
SHEET TITLE

CATWALK POWER AND SIGNAL PLAN - BALLROOMS

DATE: June 14, 2022

FILE: 20015

E232

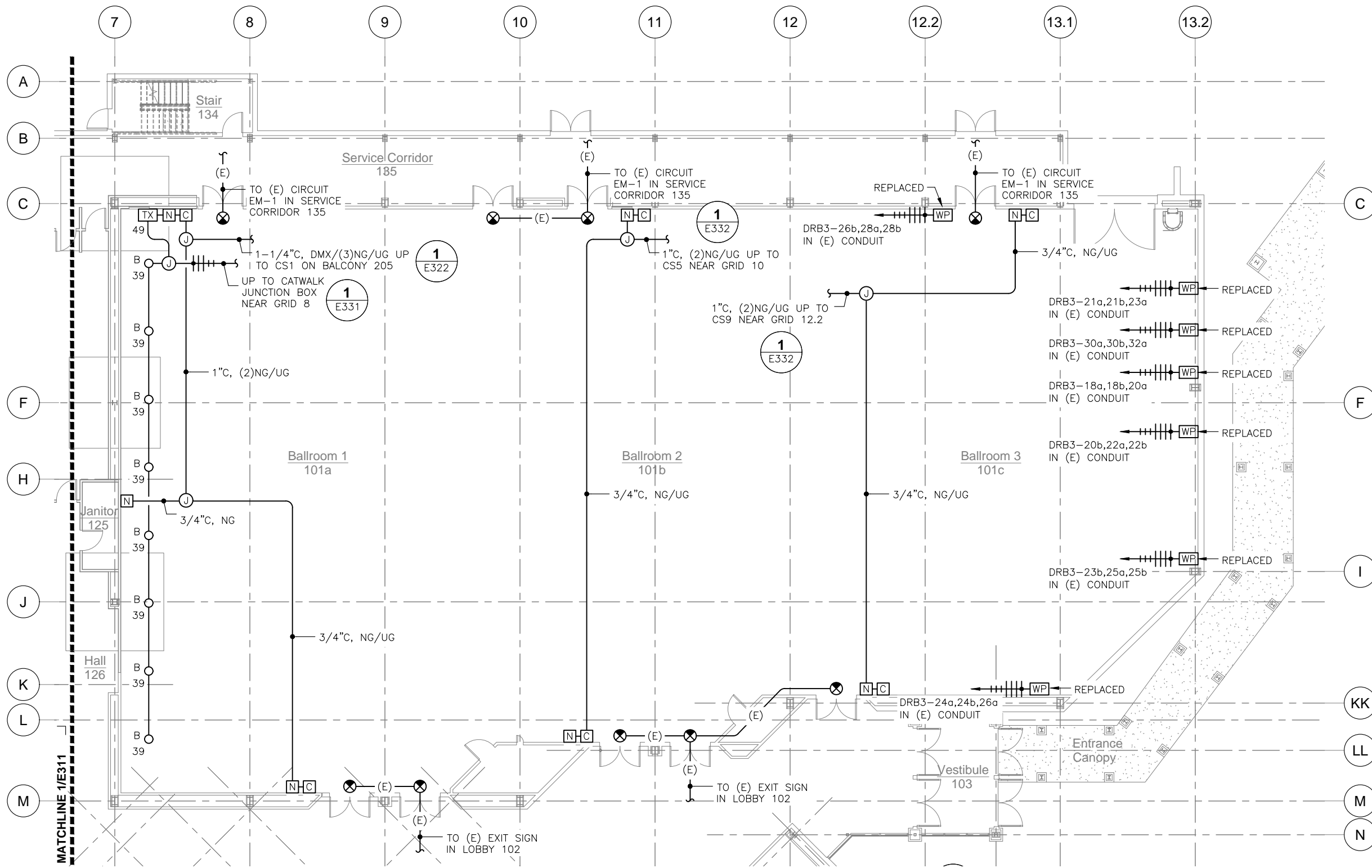


1 CATWALK POWER AND SIGNAL PLAN - BALLROOMS

SCALE: 0 4' 8' 16'

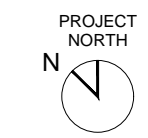


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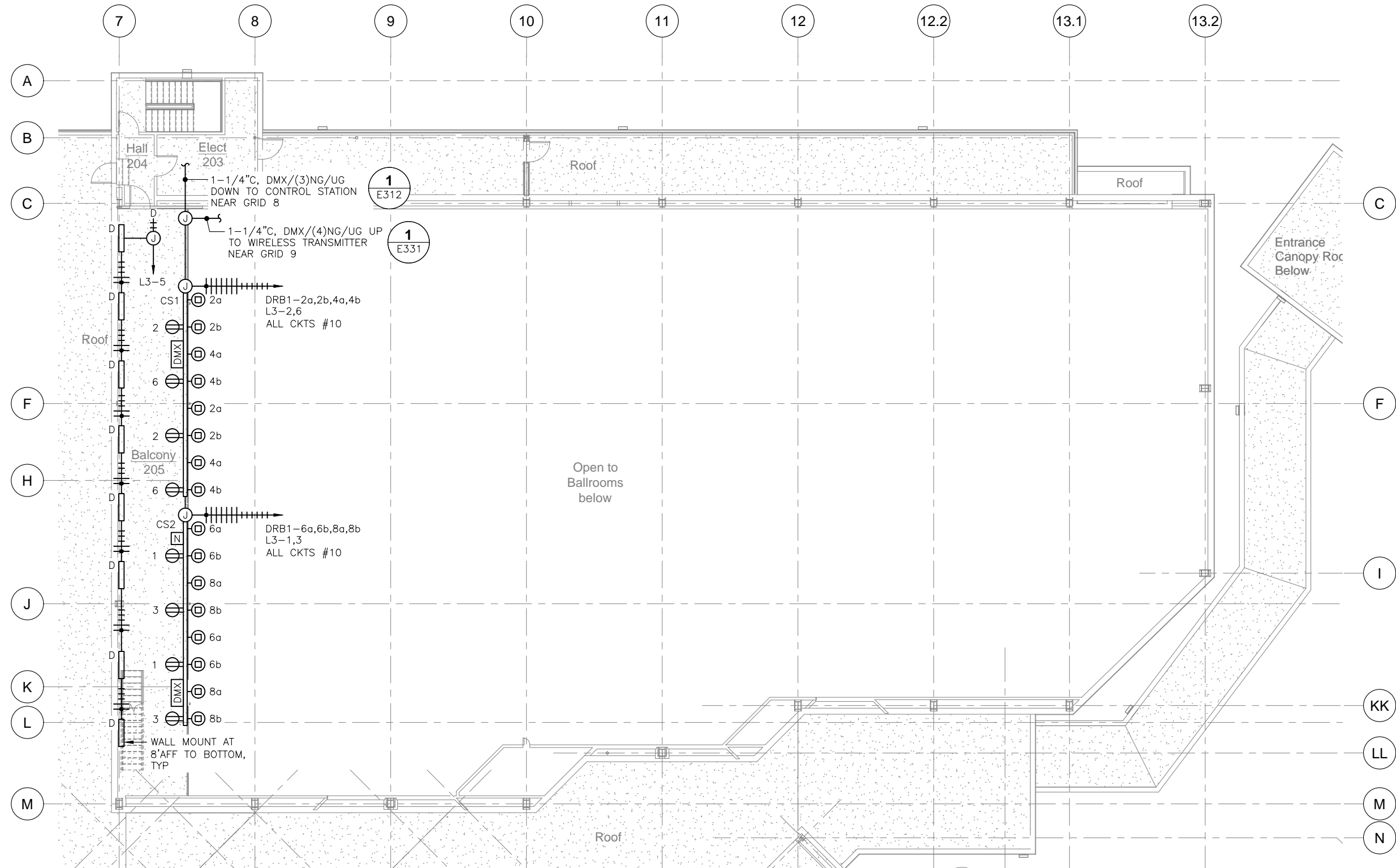


1 1ST FLOOR LIGHTING PLAN - BALLROOMS

SCALE: 0 4' 8' 16'

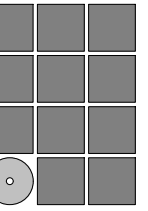


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1 2ND FLOOR LIGHTING PLAN - BALLROOMS

SCALE: 0 4' 8' 16'



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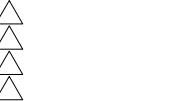


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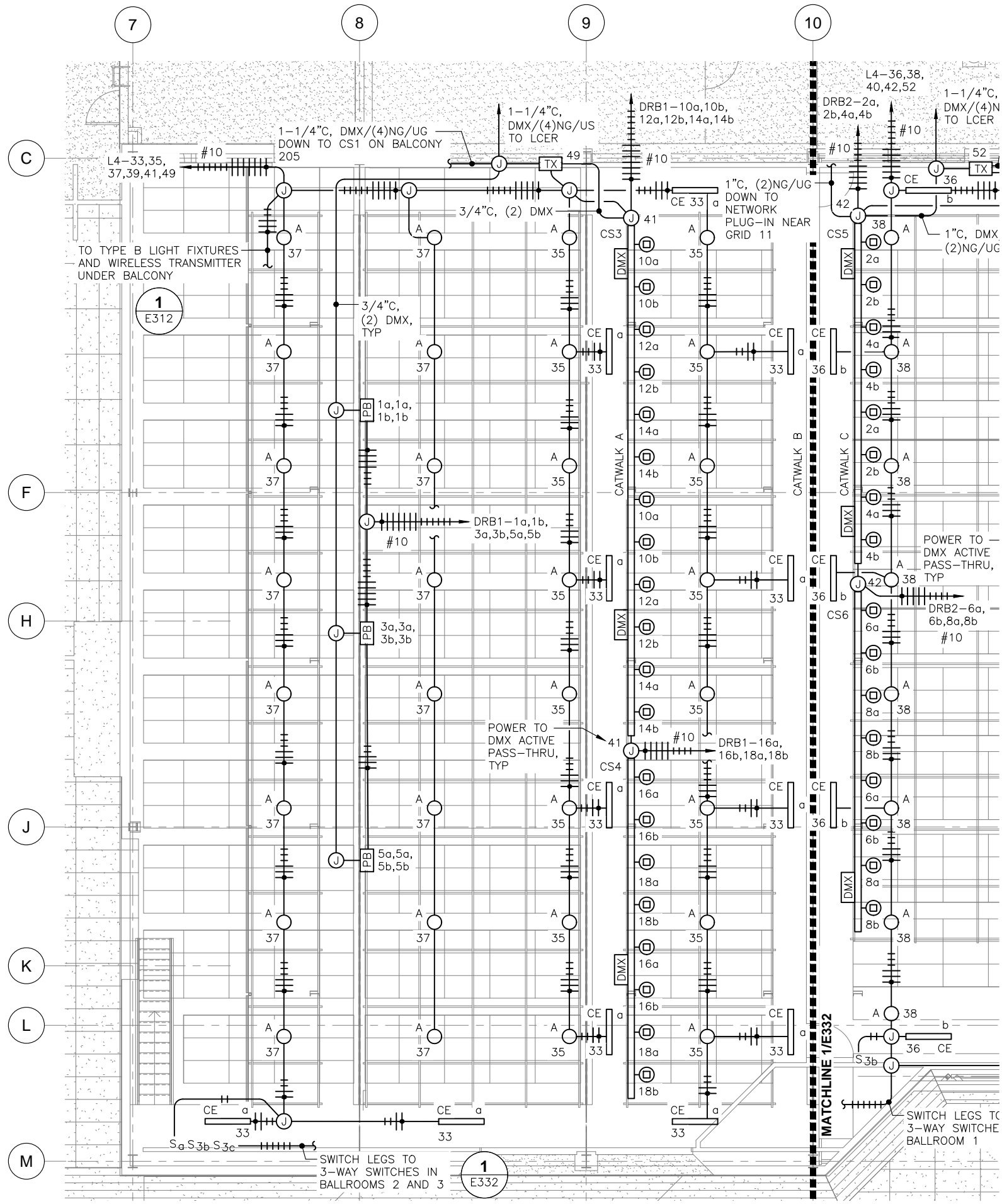


SHEET TITLE
2ND FLOOR LIGHTING PLAN - BALLROOMS

DATE: June 14, 2022
FILE: 20015

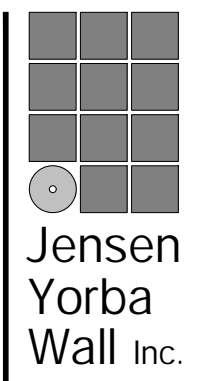
E322

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1 CATWALK LIGHTING PLAN - BALLROOMS NW

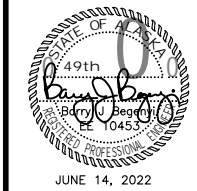
SCALE: 0 2' 4' 8' 16'



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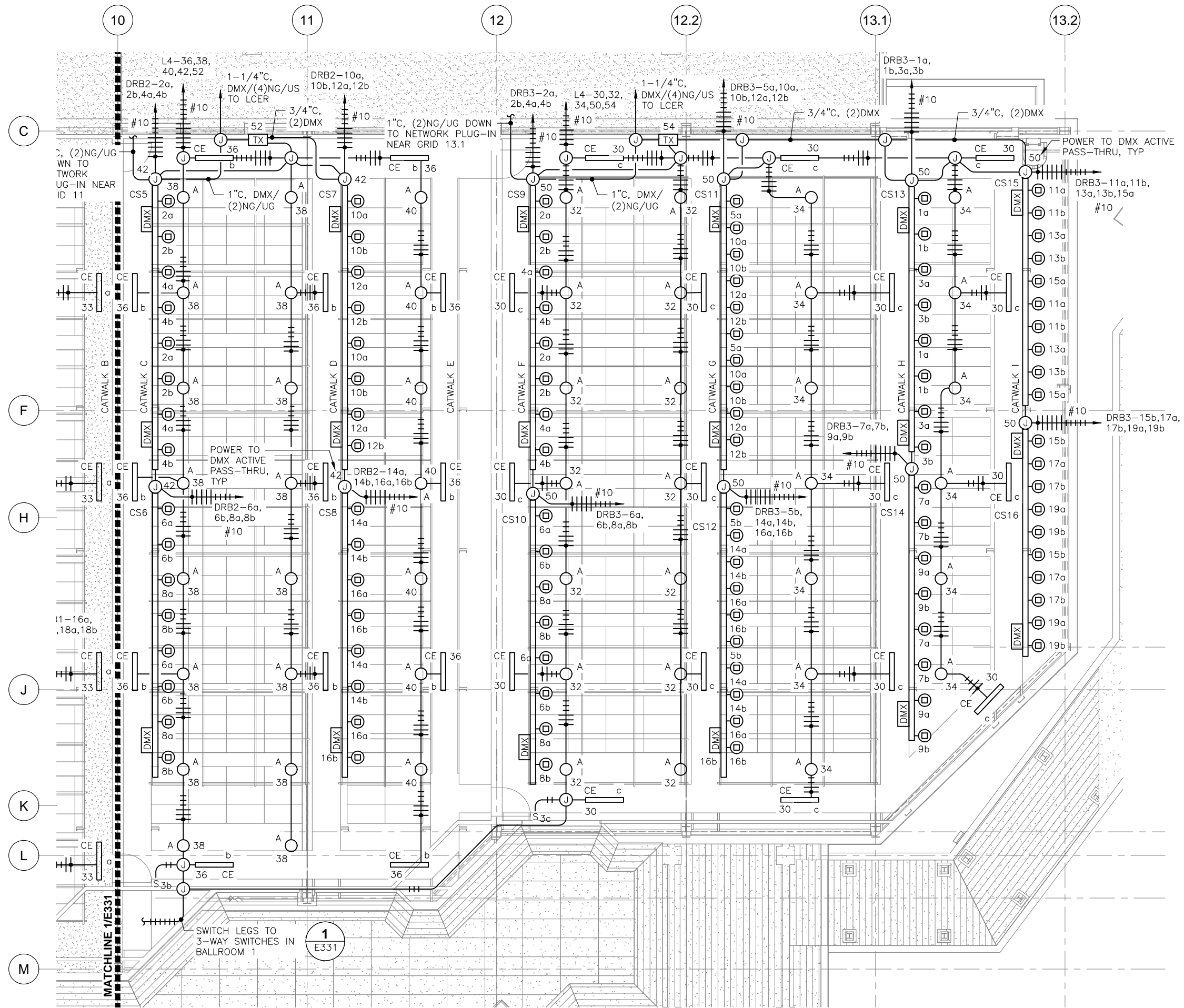
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SHEET TITLE
CATWALK LIGHTING PLAN - BALLROOMS NW

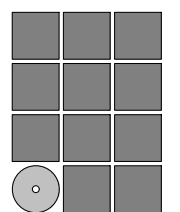
DATE: June 14, 2022
FILE: 20015

E331



1 CATWALK LIGHTING PLAN - BALLROOMS NE

SCALE: 0 2' 4' 8' 16'



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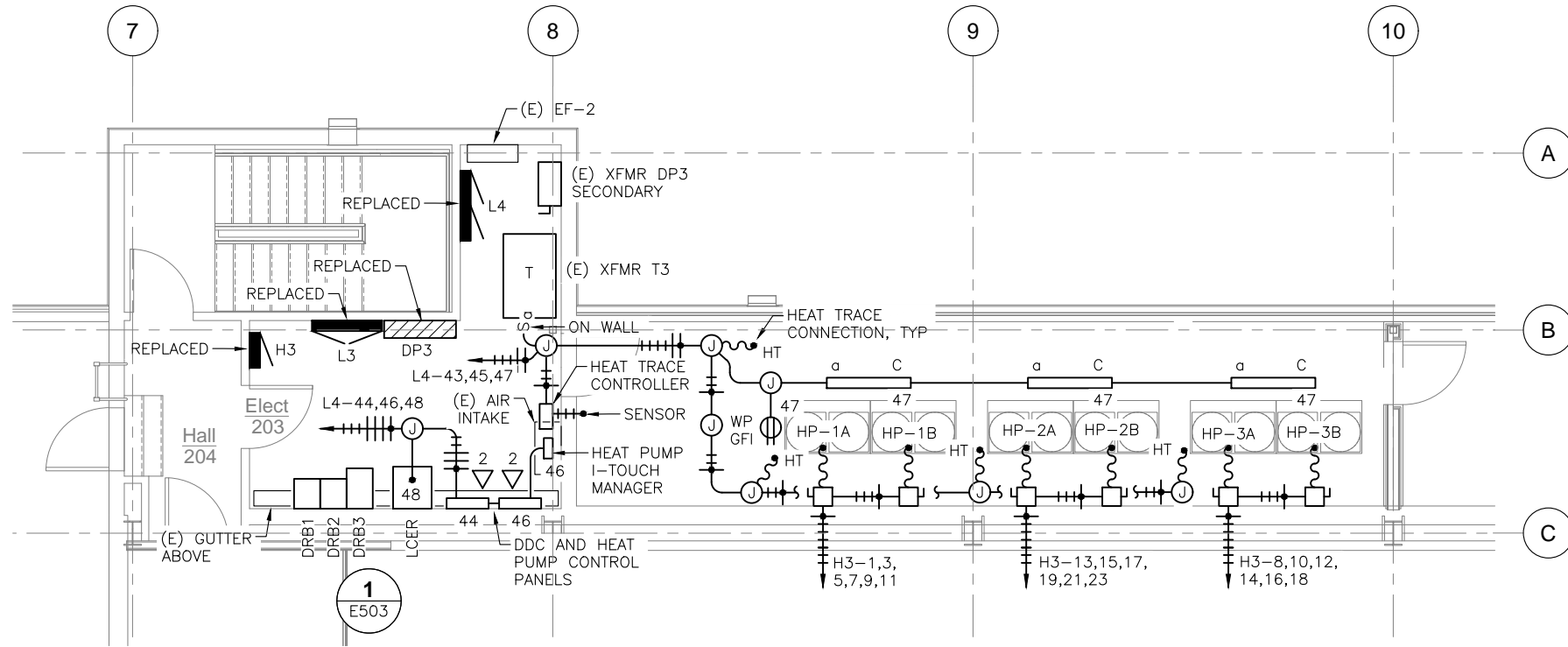
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SHEET TITLE

CATWALK LIGHTING PLAN - BALLROOMS NE

DATE: June 14, 2022
FILE: 20015

E332



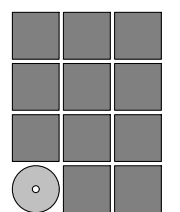
2 ENLARGED ELECTRICAL 203 PLAN

SCALE: 0 2' 4' 8'



NOTES:

- HEAT PUMP HEAT TRACE SYSTEM: TRACE DRAIN PANS, CONDENSATE DRAIN PIPING AND ROOF DRAIN. WALL MOUNT TEMPERATURE SENSOR INSIDE ENCLOSURE. DIGITRACE RAYSTAT-ECO-10 WITH HEATER CABLE AS RECOMMENDED BY THE MANUFACTURER, OR SIMILAR.
- TERMINATE MECHANICAL CONTROL PANEL DATA CABLES INSIDE PANELS. REFER TO DRAWING E222 FOR LOCATION OF DATA RACK.



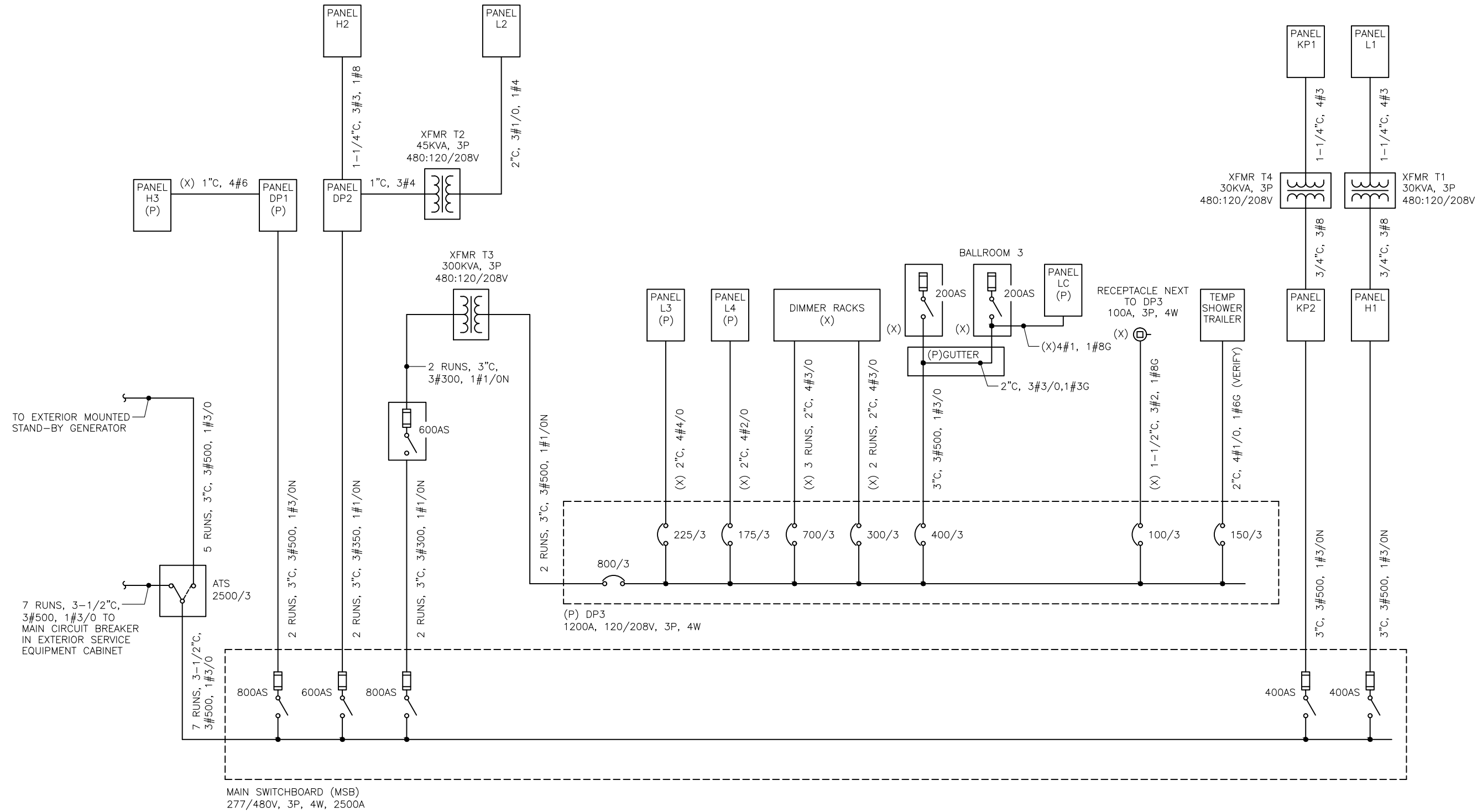
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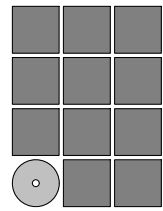
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SHEET TITLE	
ENLARGED ELECTRICAL 203 PLAN	
DATE: June 14, 2022	
FILE: 20015	

E401



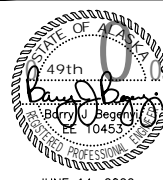
1 EXISTING SINGLE LINE DIAGRAM



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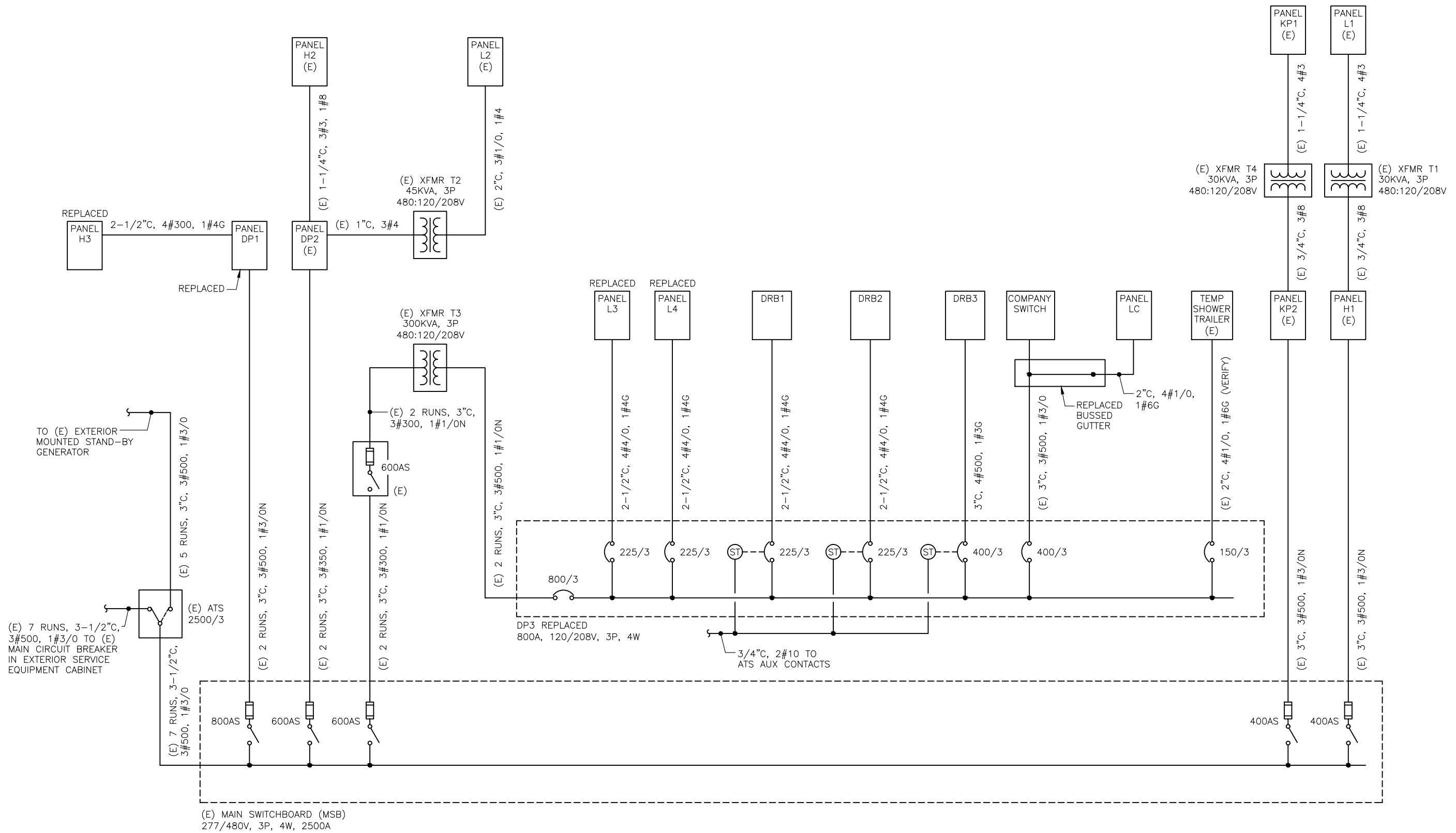
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SINGLE LINE DIAGRAMS

DATE: June 14, 2022
FILE: 20015

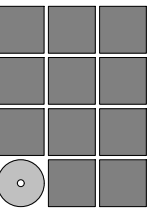
E501

NOTES:

1. SHUNT TRIP DIMMER RACKS UPON LOSS OF UTILITY POWER.



1 NEW SINGLE LINE DIAGRAM



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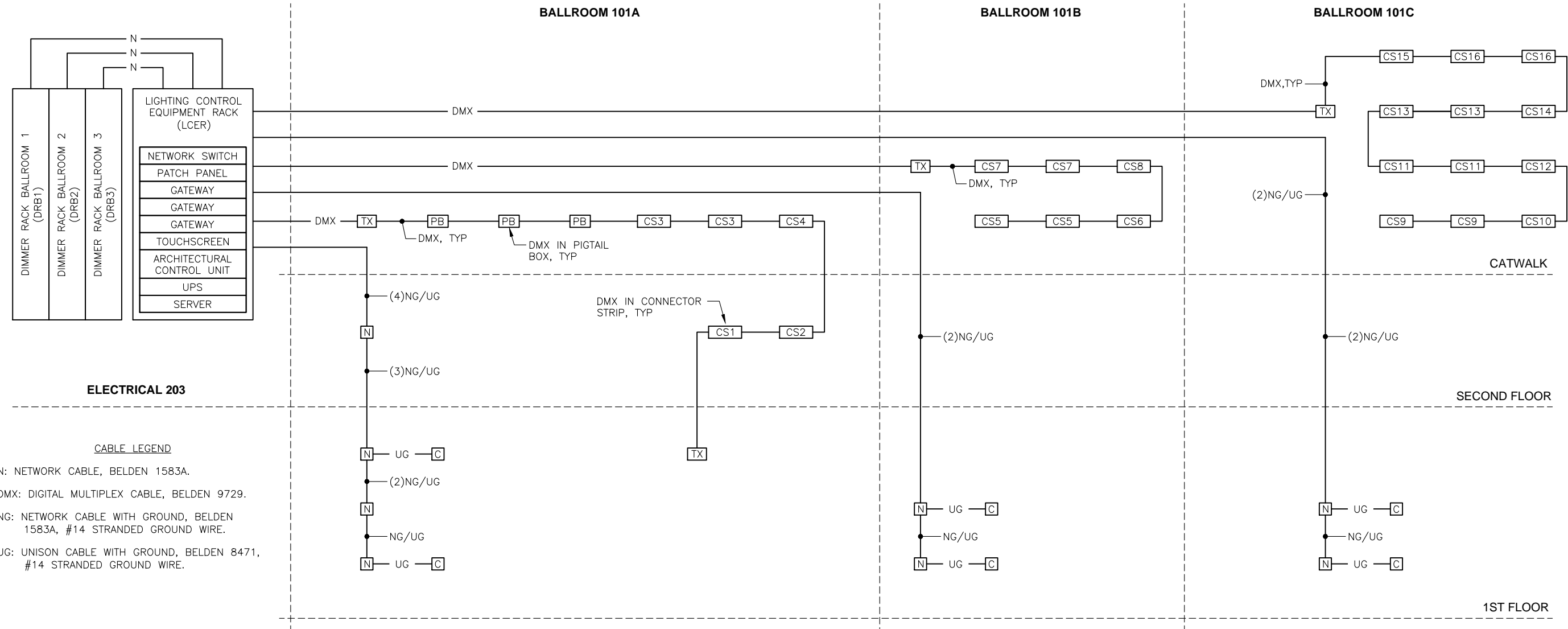
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SINGLE LINE DIAGRAMS

DATE: June 14, 2022
FILE: 20015

E502

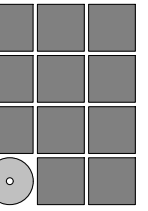
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NOTES:

1. ALL LOW VOLTAGE WIRING SHALL BE IN CONDUIT. REFER TO THE E300-SERIES PLAN DRAWINGS FOR LAYOUT.
2. LINE VOLTAGE CONNECTIONS ARE REQUIRED TO THE LIGHTING CONTROL EQUIPMENT RACK, DIMMER RACKS, CONNECTOR STRIPS, AND WIRELESS TRANSMITTERS. REFER TO THE POWER AND SIGNAL PLANS AND THE LIGHTING PLANS FOR CIRCUITING REQUIREMENTS.

1 LIGHTING CONTROL SINGLE LINE DIAGRAM



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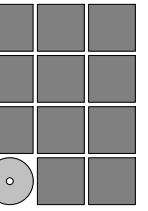


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SINGLE LINE DIAGRAMS

DATE: June 14, 2022
 FILE: 20015

E503



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SHEET TITLE
SCHEDULES

DATE: June 14, 2022
FILE: 20015

E601

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP		VOLTAGE	TOTAL VA	MOUNTING	NOTES
				QTY.	TYPE				
A	8-INCH DIAMETER CYLINDER	ETC	ARCP4F 3 37 B ARCP4PS CUSTOM STEM		LED	120	100	PENDANT	MOUNT FLUSH WITH BOTTOM OF CATWALK, APPROXIMATELY 24- FEET AFF COLOR BY ARCHITECT
B	8-INCH DIAMETER CYLINDER	ETC	ARCP4F 3 60 W ARCP4PS CUSTOM STEM		LED	120	100	PENDANT	MINIMIZE STEM LENGTH COLOR BY ARCHITECT
C	4-FOOT LONG LENSED STRIP LIGHT	COLUMBIA LIGHTING	LCL 4 35 LW E U LCLWG4		LED	120	19	SURFACE	
CE	4-FOOT LONG LENSED STRIP LIGHT WITH EMERGENCY BATTERY	COLUMBIA LIGHTING	LCL 4 35 LW E U ELL14 LCLWG4		LED	120	19	SURFACE	
D	4-FOOT LONG LENSED STRIP LIGHT	COLUMBIA LIGHTING	LCL 4 35 VL ED U		LED	120	85	WALL SURFACE	
⊗	EDGE LIT EXIT SIGN	DUAL LITE	LES W S G X B E I		LED	277	2.5	WALL	

MECHANICAL EQUIPMENT SCHEDULE (VERIFY)													
TAG	DESCRIPTION	HP	KW	AMPS	VOLTS	PHASE	TOTAL KVA	WIRING	DISCONNECT	FUSE	CONTROL	STARTER SIZE	REMARKS
AHU-1 SF1	AIR HANDLING UNIT SUPPLY FAN	10			480	3	11.6	1/2"C, 3#10, 1#10G					VFD WITH INTEGRAL DISCONNECT BY MECHANICAL
AHU-1 SF2	AIR HANDLING UNIT SUPPLY FAN	10			480	3	11.6	1/2"C, 3#10, 1#10G					VFD WITH INTEGRAL DISCONNECT BY MECHANICAL
AHU-1 EHC	ELECTRIC HEATING COIL		105		480	3	105.0	2"C, 3#2/0, 1#6G					
CP-1	CIRCULATION PUMP	1/50			120	1	0.1	1/2"C, 2#12, 1#12G	30/2				
CP-2	CIRCULATION PUMP	1/50			120	1	0.1	1/2"C, 2#12, 1#12G	30/2				
CP-3	CIRCULATION PUMP	1/50			120	1	0.1	1/2"C, 2#12, 1#12G	30/2				
HP-1A	HEAT PUMP			43.4	480	3	36.1	3/4"C, 3#6, 1#10G	60/3				
HP-1B	HEAT PUMP			43.4	480	3	36.1	3/4"C, 3#6, 1#10G	60/3				
HP-2A	HEAT PUMP			28.1	480	3	23.4	3/4"C, 3#8, 1#10G	60/3				
HP-2B	HEAT PUMP			28.1	480	3	23.4	3/4"C, 3#8, 1#10G	60/3				
HP-3A	HEAT PUMP			39.8	480	3	33.1	3/4"C, 3#6, 1#10G	60/3				
HP-3B	HEAT PUMP			39.8	480	3	33.1	3/4"C, 3#6, 1#10G	60/3				
RF-1	RETURN FAN	10			480	3	11.6	1/2"C, 3#10, 1#10G					VFD WITH INTEGRAL DISCONNECT BY MECHANICAL

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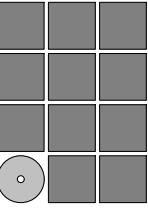
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PANEL DP1											
POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	HV-1 (1)	M	4.8	15/3	A	25/3	M	3.9	AHU-1 SF1	2	
3	----	M	4.8	---	B	---	M	3.9	----	4	
5	----	M	4.8	---	C	---	M	3.9	----	6	
7	HVAC -1 RETURN AIR FAN (1)	M	7.0	20/3	A	30/3	C	5.0	HV-1 ELECTRIC COIL (1)	8	
9	----	M	7.0	---	B	---	C	5.0	----	10	
11	----	M	7.0	---	C	---	C	5.0	----	12	
13	AHU-1 SF2	M	3.9	25/3	A	175/3	C	35.0	AHU-1 EHC	14	
15	----	M	3.9	---	B	---	C	35.0	----	16	
17	----	M	3.9	---	C	---	C	35.0	----	18	
19	EMERGENCY LIGHTING (1)	L	6.6	30/1	A	300/3	S	69.7	SUBFEED PANELBOARD H3	20	
21	HVAC-1 (1)	M	12.2	100/3	B	---	S	69.7	----	22	
23	----	M	12.2	---	C	---	S	69.7	----	24	
25	----	M	12.2	---	A				SPACE	26	
27	SPACE				B				SPACE	28	
29	SPACE				C				SPACE	30	
31	SPACE				A				SPACE	32	
33	SPACE				B				SPACE	34	
35	SPACE				C				SPACE	36	
37	SPACE				A				SPACE	38	
39	SPACE				B				SPACE	40	
41	SPACE				C				SPACE	42	
VOLTAGE: 277/480V, 3P, 4W		LOAD SUMMARY		CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND KVA		NOTES:	
AIC RATING: 10,000A		(L) LIGHTING		6.6		100% OF LOAD		6.6		1. RECONNECT EXISTING BRANCH CIRCUIT 2. VERIFY CIRCUIT BREAKER SIZES FOR EXISTING BRANCH CIRCUITS.	
MOUNTING: SURFACE		(R) RECEPTACLE		.		NEC 220-44		.			
MAIN: LUGS ONLY		(M) MOTOR		95.4		NEC 430-24		104.6			
BUS: 800A		(C) CONTINUOUS		120.0		125% OF LOAD		150.0			
		(N) NON-CONTINUOUS		.		100% OF LOAD		.			
		(S) SUBFEED		.		NEC 220-56		209.0			
		TOTAL		.				470.0			

PANEL DP3											
POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	TEMPORARY SHOWER TRAILER (1)	C		150/3	A	225/3	L	19.3	DRB1	2	
3	----	C		---	B	---	L	19.3	----	4	
5	----	C		---	C	---	L	19.3	----	6	
7	PANELBOARD L3 (1)	S	8.9	225/3	A	225/3	L	12.7	DRB2	8	
9	----	S	8.9	---	B	---	L	12.7	----	10	
11	----	S	8.9	---	C	---	L	12.7	----	12	
13	PANELBOARD L4 (1)	S	8.7	175/3	A	400/3	L	28.7	DRB3	14	
15	----	S	8.7	---	B	---	L	28.7	----	16	
17	----	S	8.7	---	C	---	L	28.7	----	18	
19	BALLROOM 3 COMPANY SWITCH (1)	N	24.0	400/3	A				SPACE	20	
21	----	N	24.0	---	B				SPACE	22	
23	----	N	24.0	---	C				SPACE	24	
25	SPACE				A				SPACE	26	
27	SPACE				B				SPACE	28	
29	SPACE				C				SPACE	30	
VOLTAGE: 120/208V, 3P, 4W		LOAD SUMMARY		CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND KVA		NOTES:	
AIC RATING: 10,000A		(L) LIGHTING		182.0		100% OF LOAD		182.0		1. RECONNECT EXISTING FEEDER	
MOUNTING: SURFACE		(R) RECEPTACLE		.		NEC 220-44		.			
MAIN: LUGS ONLY		(M) MOTOR		.		NEC 430-24		.			
BUS: 800A		(C) CONTINUOUS		72.0		125% OF LOAD		72.0			
		(N) NON-CONTINUOUS		26.0		100% OF LOAD		26.0			
		(S) SUBFEED		.		NEC 220-56		26.0			
		TOTAL		.				280.0			

PANEL H3											
POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	HP-1A	M	12.0	50/3	A	20/1	L	4.4	LIGHTING ELECTRICAL 203 (1)	2	
3	----	M	12.0	---	B	20/1	C	4.4	UNIT HEATER H5 (1)	4	
5	----	M	12.0	---	C	20/1	C	4.4	UNIT HEATER H6 (1)	6	
7	HP-1B	M	12.0	50/3	A	45/3	M	11.0	HP-3A	8	
9	----	M	12.0	---	B	---	M	11.0	----	10	
11	----	M	12.0	---	C	---	M	11.0	----	12	
13	HP-2A	M	7.8	35/3	A	45/3	M	11.0	HP-3B	14	
15	----	M	7.8	---	B	---	M	11.0	----	16	
17	----	M	7.8	---	C	---	M	11.0	----	18	
19	HP-2B	M	7.8	35/3	A	20/1			SPARE	20	
21	----	M	7.8	---	B	20/1			SPARE	22	
23	----	M	7.8	---	C	20/1			SPARE	24	
25	SPARE			20/1	A	20/1			SPARE	26	
27	SPARE			20/1	B	20/1			SPARE	28	
29	SPARE			20/1	C	20/1			SPARE	30	
VOLTAGE: 277/480V, 3P, 4W		LOAD SUMMARY		CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND KVA		NOTES:	
AIC RATING: 14,000A		(L) LIGHTING		4.4		100% OF LOAD		4.4		1. RECONNECT EXISTING BRANCH CIRCUIT	
MOUNTING: SURFACE		(R) RECEPTACLE		.		NEC 220-44		.			
MAIN: LUGS ONLY		(M) MOTOR		184.8		NEC 430-24		193.8			
BUS: 400A		(C) CONTINUOUS		8.8		125% OF LOAD		11.0			
		(N) NON-CONTINUOUS		.		100% OF LOAD		.			
		(K) KITCHEN		.		NEC 220-56		.			
		TOTAL		.				209.0			

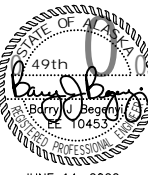
PANEL L3 (SECTION 1)											
POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	CS2 - BALCONY 205	R	0.4	20/1	A	20/1	R	0.4	CS1 BALCONY 205	2	
3	CS2 - BALCONY 205	R	0.4	20/1	B	20/1	C	0.5	PROJECTION SCREEN CONTROL (2)	4	
5	LTG BALCONY 205	L	0.7	20/1	C	20/1	R	0.4	CS1 BALCONY 205	6	
7	REC TRUSS 9 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 8 (2)	8	
9	REC TRUSS 9 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 8 (2)	10	
11	REC TRUSS 9 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 8 (2)	12	
13	REC TRUSS 9 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 8 (2)	14	
15	REC TRUSS 9 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 8 (2)	16	
17	REC TRUSS 9 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 8 (2)	18	
19	REC TRUSS 9 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 8 (2)	20	
21	REC TRUSS 9 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 8 (2)	22	
23	REC TRUSS 9 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 8 (2)	24	
25	REC TRUSS 9 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 8 (2)	26	
27	REC TRUSS 9 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 8 (2)	28	
29	REC TRUSS 9 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 8 (2)	30	
31	REC TRUSS 10 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 10 (2)	32	
33	REC TRUSS 10 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 10 (2)	34	
35	REC TRUSS 10 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 10 (2)	36	
37	REC TRUSS 10 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 10 (2)	38	
39	REC TRUSS 10 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 10 (2)	40	
41	REC TRUSS 10 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 10 (2)	42	
VOLTAGE: 120/208V, 3P, 4W		LOAD SUMMARY		CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND KVA		NOTES:	
AIC RATING: 10,000A		(L) LIGHTING		0.7		100% OF LOAD		0.7		1. PROVIDE SUBFEED LUGS 2. RECONNECT EXISTING BRANCH CIRCUIT	
MOUNTING: SURFACE		(R) RECEPTACLE		8.4		NEC 220-44		8.4			
MAIN: LUGS ONLY		(M) MOTOR		.		NEC 430-24		.			
BUS: 225A		(C) CONTINUOUS		.		125% OF LOAD		.			
		(N) NON-CONTINUOUS		.		100% OF LOAD		.			
		(K) KITCHEN		.		NEC 220-56		.			
		TOTAL		.				9.0			



Jensen Yorba Wall Inc.



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JUNE 14, 2022

CITY AND BOROUGH OF JUNEAU
CENTENNIAL HALL
BALLROOM RENOVATION
CBJ Project No. BE22-204
Juneau, Alaska

Construction Documents

REVISIONS



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SCHEDULES

DATE: June 14, 2022
FILE: 20015

E602

PANEL L3 (SECTION 2)

POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
43	REC TRUSS 11 (1)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 11 (1)	44	
45	REC TRUSS 11 (1)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 11 (1)	46	
47	REC TRUSS 11 (1)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 11 (1)	48	
49	REC TRUSS 11 (1)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 11 (1)	50	
51	AHU CONTROL BOXES	C	0.5	20/1	B	20/1	R	0.2	REC TRUSS 11 (1)	52	
53	-----	C	0.5	20/1	C	20/1	R	0.2	REC TRUSS 11 (1)	54	
55	SPARE			20/1	A	20/1	R	0.7	REC 101B,101C	56	
57	REC 102,135	R	1.3	20/1	B	20/1	R	0.5	REC 101B,101C	58	
59	REC 101A	R	0.5	20/1	C	20/1	R	0.5	REC 101B,101C	60	
61	REC 101A	R	0.5	20/1	A	20/1	R	0.5	REC 135	62	
63	REC 101A	R	0.5	20/1	B	20/1	C	0.5	WIRELESS TRANSMITTER 101A	64	
65	SPARE			20/1	C	20/1			SPARE	66	
67	LTG ROOF (1)	L	1.9	20/1	A	20/1	R	0.2	REC 203 (1)	68	
69	E-1 IN 203 (1)	M	0.7	20/1	B	20/1			SPARE	70	
71	SPARE			20/1	C	20/1			SPARE	72	
73	SPARE			20/1	A	50/2	R	4.2	REC (1)	74	
75	SPARE			20/1	B	---	R	4.2	----	76	
77	SPARE			20/1	C	20/1	C	0.5	DDC CONTROL PANEL IN 131	78	
79	SPARE			20/1	A	20/1			SPARE	80	
81	SPARE			20/1	B	20/1			SPARE	82	
83	SPARE			20/1	C	20/1			SPARE	84	

VOLTAGE: 120/208V, 3P, 4W	LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES: 1. RECONNECT EXISTING BRANCH CIRCUIT
AIC RATING: 10,000A	(L) LIGHTING	1.9	100% OF LOAD	1.9	
MOUNTING: SURFACE	(R) RECEPTACLE	15.6	NEC 220-44	12.8	
MAIN: LUGS ONLY	(M) MOTOR	0.7	NEC 430-24	0.9	
BUS: 225A	(C) CONTINUOUS	1.5	125% OF LOAD	1.9	
	(N) NON-CONTINUOUS		100% OF LOAD		
	(K) KITCHEN		NEC 220-56		
	TOTAL			18.0	

PANEL L4 (SECTION 1)

POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	REC TRUSS 12 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 12.2 (2)	2	
3	REC TRUSS 12 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 12.2 (2)	4	
5	REC TRUSS 12 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 12.2 (2)	6	
7	REC TRUSS 12 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 12.2 (2)	8	
9	REC TRUSS 12 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 12.2 (2)	10	
11	REC TRUSS 12 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 12.2 (2)	12	
13	REC TRUSS 13.1 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 12 (2)	14	
15	REC TRUSS 13.1 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 12 (2)	16	
17	REC TRUSS 13.1 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 12 (2)	18	
19	REC TRUSS 13.1 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 13.1 (2)	20	
21	REC TRUSS 13.1 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 13.1 (2)	22	
23	REC TRUSS 13.1 (2)	R	0.2	20/1	C	20/1	R	0.2	REC TRUSS 13.1 (2)	24	
25	REC TRUSS 12.2 (2)	R	0.2	20/1	A	20/1	R	0.2	REC TRUSS 12 (2)	26	
27	REC TRUSS 12.2 (2)	R	0.2	20/1	B	20/1	R	0.2	REC TRUSS 13.1 (2)	28	
29	REC TRUSS 12.2 (2)	R	0.2	20/1	C	20/1	L	0.3	BALLROOM 3 LTG CATWALK	30	
31	REC TRUSS 12.2 (2)	R	0.2	20/1	A	20/1	L	1.3	BALLROOM 3 LTG HOUSE	32	
33	BALLROOM 1 LTG CATWALK	L	0.3	20/1	B	20/1	L	1.4	BALLROOM 3 LTG HOUSE	34	
35	BALLROOM 1 LTG HOUSE	L	1.6	20/1	C	20/1	L	0.3	BALLROOM 2 LTG CATWALK	36	
37	BALLROOM 1 LTG HOUSE	L	1.6	20/1	A	20/1	L	1.6	BALLROOM 2 LTG HOUSE	38	
39	BALLROOM 1 LTG UNDER BALCONY	L	0.8	20/1	B	20/1	L	0.7	BALLROOM 2 LTG HOUSE	40	
41	DMX ACTIVE PASS-THRU	C	0.2	20/1	C	20/1	C	0.2	DMX ACITVE PASS-THRU	42	
43	HEAT TRACE CONTROLLER	C	2.1	20/1	A	20/1	C	0.5	MECHANICAL CONTROL PANEL 203	44	
45	-----	C	2.1	20/1	B	20/1	C	0.5	MECHANICAL CONTROL PANEL 203	46	
47	LTG ROOM AT HEAT PUMPS	L	0.1	20/1	C	20/1	C	2.9	LIGHTING CONTROL EQUIPMENT RACK	48	
49	WIRELESS TRANSMITTER 101A	C	0.2	20/1	A	20/1	C	0.8	DMX ACTIVE PASS-THRU	50	
51	AV EQUIPMENT CABINET	C	1.9	20/1	B	20/1	C	0.2	WIRELESS TRANSMITTER 101B	52	
53	AV EQUIPMENT CABINET	C	1.9	20/1	C	20/1	C	0.2	WIRELESS TRANSMITTER 101C	54	

VOLTAGE: 120/208V, 3P, 4W	LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES: 1. PROVIDE SUBFEED LUGS 2. RECONNECT EXISTING BRANCH CIRCUIT
AIC RATING: 10,000A	(L) LIGHTING	9.7	100% OF LOAD	9.7	
MOUNTING: SURFACE	(R) RECEPTACLE	6.0	NEC 220-44	6.0	
MAIN: LUGS ONLY	(M) MOTOR		NEC 430-24		
BUS: 225A	(C) CONTINUOUS	13.7	125% OF LOAD	17.1	
	(N) NON-CONTINUOUS		100% OF LOAD		
	TOTAL			33.0	

PANEL L4 (SECTION 2)

POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
55	AV EQUIPMENT CABINET	C	2.1	20/1	A	15/2	N	0.6	CHAIN HOIST	56	
57	AV EQUIPMENT CABINET	C	2.1	20/1	B	---	N	0.6	----	58	
59	AV EQUIPMENT CABINET	L	0.1	20/1	C	15/2	N	0.6	CHAIN HOIST	60	
61	AV EQUIPMENT CABINET	C	0.2	20/1	A	---	N	0.6	----	62	
63	PROJECTION SCREEN	N	0.2	20/1	B	15/2	N	0.6	CHAIN HOIST	64	
65	AV EQUIPMENT CABINET	C	1.9	20/1	C	---	N	0.6	----	66	
67	AV EQUIPMENT CABINET	C	1.9	20/1	A	15/2	C	0.6	VIDEO PROJECTOR	68	
69	PROJECTION SCREEN	N	0.2	20/1	B	---	C	0.6	----	70	
71	PROJECTION SCREEN	N	0.4	20/1	C	15/2	N	0.6	CHAIN HOIST	72	
73	VIDEO PROJECTOR	C	0.6	15/2	A	---	N	0.6	----	74	
75	-----	C	0.6	---	B	15/2	N	0.6	CHAIN HOIST	76	
77	VIDEO PROJECTOR	C	0.6	15/2	C	---	N	0.6	----	78	
79	-----	C	0.6	---	A	15/2	N	0.6	CHAIN HOIST	80	
81	SPARE			20/1	B	---	N	0.6	----	82	
83	SPARE			20/1	C	15/2	C	0.6	VIDEO PROECTOR	84	
85	SPARE			20/1	A	---	C	0.6	----	86	
87	SPARE			20/1	B	15/2	C	0.6	VIDEO PROJECTOR	88	
89	SPARE			20/1	C	---	C	0.6	----	90	
91	SPARE			20/1	A	20/1	M	0.1	CP-1, CP-2, CP-3	92	
93	SPARE			20/1	B	20/1			SPARE	94	
95	SPARE			20/1	C	20/1			SPARE	96	
97	SPARE			20/1	A	20/1			SPARE	98	
99	SPARE			20/1	B	20/1			SPARE	100	
101	SPARE			20/1	C	20/1			SPARE	102	
103	SPARE			20/1	A	20/1			SPARE	104	
105	SPARE			20/1	B	20/1			SPARE	106	
107	SPARE			20/1	C	20/1			SPARE	108	

VOLTAGE: 120/208V, 3P, 4W	LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES: 1. RECONNECT EXISTING BRANCH CIRCUIT
AIC RATING: 10,000A	(L) LIGHTING	0.1	100% OF LOAD	0.1	
MOUNTING: SURFACE	(R) RECEPTACLE		NEC 220-44		
MAIN: LUGS ONLY	(M) MOTOR		NEC 430-24		
BUS: 225A	(C) CONTINUOUS	14.2	125% OF LOAD	17.8	
	(N) NON-CONTINUOUS	8.0	100% OF LOAD	8.0	
	(K) KITCHEN		NEC 220-56		
	TOTAL			26.0	

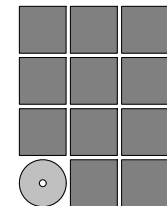
PANEL LC

POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	REC (1)	R	1.9	20/1	A	20/1	R	1.9	REC (1)	2	
3	REC (1)	R	1.9	20/1	B	20/1	R	1.9	REC (1)	4	
5	REC (1)	R	1.7	20/2	C	30/2	R	2.5	REC (1)	6	
7	-----	R	1.7	---	A	---	R	2.5	----	8	
9	REC (1)	R	1.7	20/2	B	30/2	R	2.5	REC (1)	10	
11	-----	R	1.7	---	C	---	R	2.5	----	12	
13	SPARE			20/1	A	20/1			SPARE	14	
15	SPARE			20/1	B	20/1			SPARE	16	
17	SPARE			20/1	C	20/1			SPARE	18	
19	SPARE			20/1	A	20/1			SPARE	20	
21	SPARE			20/1	B	20/1			SPARE	22	
23	SPARE			20/1	C	20/1			SPARE	24	
25	SPARE			20/1	A	20/1			SPARE	26	
27	SPARE			20/1	B	20/1			SPARE	28	
29	SPARE			20/1	C	20/1			SPARE	30	

VOLTAGE: 120/208V, 3P, 4W	LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES: 1. RECONNECT EXISTING BRANCH CIRCUIT
AIC RATING: 10,000A	(L) LIGHTING		100% OF LOAD		
MOUNTING: SURFACE	(R) RECEPTACLE	31.2	NEC 220-44	20.6	
MAIN: 150/3	(M) MOTOR		NEC 430-24		
BUS: 200A	(C) CONTINUOUS		125% OF LOAD		
	(N) NON-CONTINUOUS		100% OF LOAD		
	(K) KITCHEN		NEC 220-56		
	TOTAL			21.0	

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**Jensen
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JUNE 14, 2022

CITY AND BOROUGH OF JUNEAU
CENTENNIAL HALL
BALLROOM RENOVATION
 CBJ Project No. BE22-204
 Juneau, Alaska

Construction Documents

REVISIONS



SHEET TITLE

SCHEDULES

DATE: June 14, 2022

FILE: 20015

E603

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DIMMER RACK DRB1

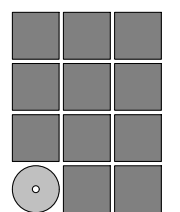
MODULE NO.	LOAD SERVED	LOAD		CB	PH	CB	LOAD		LOAD SERVED	MODULE NO.
		TYPE	KVA				TYPE	KVA		
1a	BALLROOM 1 PIGTAIL BOX GRID 8	L	2.4	20/1	A	20/1	L	2.4	CS1 BALCONY 205	2a
1b	BALLROOM 1 PIGTAIL BOX GRID 8	L	2.4	20/1	B	20/1	L	2.4	CS1 BALCONY 205	2b
3a	BALLROOM 1 PIGTAIL BOX GRID 8	L	2.4	20/1	C	20/1	L	2.4	CS1 BALCONY 205	4a
3b	BALLROOM 1 PIGTAIL BOX GRID 8	L	2.4	20/1	A	20/1	L	2.4	CS1 BALCONY 205	4b
5a	BALLROOM 1 PIGTAIL BOX GRID 8	L	2.4	20/1	B	20/1	L	2.4	CS2 BALCONY 205	6a
5b	BALLROOM 1 PIGTAIL BOX GRID 8	L	2.4	20/1	C	20/1	L	2.4	CS2 BALCONY 205	6b
7a	SPARE			20/1	A	20/1	L	2.4	CS2 BALCONY 205	8a
7b	SPARE			20/1	B	20/1	L	2.4	CS2 BALCONY 205	8b
9a	SPARE			20/1	C	20/1	L	2.4	BALLROOM 1 CS3 - CATWALK A	10a
9b	SPARE			20/1	A	20/1	L	2.4	BALLROOM 1 CS3 - CATWALK A	10b
11a	SPARE			20/1	B	20/1	L	2.4	BALLROOM 1 CS3 - CATWALK A	12a
11b	SPARE			20/1	C	20/1	L	2.4	BALLROOM 1 CS3 - CATWALK A	12b
13a	SPARE			20/1	A	20/1	L	2.4	BALLROOM 1 CS3 - CATWALK A	14a
13b	SPARE			20/1	B	20/1	L	2.4	BALLROOM 1 CS3 - CATWALK A	14b
15a	SPARE			20/1	C	20/1	L	2.4	BALLROOM 1 CS4 - CATWALK A	16a
15b	SPARE			20/1	A	20/1	L	2.4	BALLROOM 1 CS4 - CATWALK A	16b
17a	SPARE			20/1	B	20/1	L	2.4	BALLROOM 1 CS4 - CATWALK A	18a
17b	SPARE			20/1	C	20/1	L	2.4	BALLROOM 1 CS4 - CATWALK A	18b
19a	SPACE				A				SPACE	20a
19b	SPACE				B				SPACE	20b
21a	SPACE				C				SPACE	22a
21b	SPACE				A				SPACE	22b
23a	SPACE				B				SPACE	24a
23b	SPACE				C				SPACE	24b
VOLTAGE: 120/208V, 3P, 4W AIC RATING: 10,000A MOUNTING: RACK MAIN: LUGS ONLY BUS: 225A	LOAD SUMMARY		CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES:				
	(L) LIGHTING		57.6	100% OF LOAD	57.6					
	TOTAL				58.0					

DIMMER RACK DRB2

MODULE NO.	LOAD SERVED	LOAD		CB	PH	CB	LOAD		LOAD SERVED	MODULE NO.
		TYPE	KVA				TYPE	KVA		
1a	SPARE			20/1	A	20/1	L	2.4	BALLROOM 2 CS5 - CATWALK C	2a
1b	SPARE			20/1	B	20/1	L	2.4	BALLROOM 2 CS5 - CATWALK C	2b
3a	SPARE			20/1	C	20/1	L	2.4	BALLROOM 2 CS5 - CATWALK C	4a
3b	SPARE			20/1	A	20/1	L	2.4	BALLROOM 2 CS5 - CATWALK C	4b
5a	SPARE			20/1	B	20/1	L	2.4	BALLROOM 2 CS6 - CATWALK C	6a
5b	SPARE			20/1	C	20/1	L	2.4	BALLROOM 2 CS6 - CATWALK C	6b
7a	SPARE			20/1	A	20/1	L	2.4	BALLROOM 2 CS6 - CATWALK C	8a
7b	SPARE			20/1	B	20/1	L	2.4	BALLROOM 2 CS6 - CATWALK C	8b
9a	SPARE			20/1	C	20/1	L	2.4	BALLROOM 2 CS7 - CATWALK D	10a
9b	SPARE			20/1	A	20/1	L	2.4	BALLROOM 2 CS7 - CATWALK D	10b
11a	SPARE			20/1	B	20/1	L	2.4	BALLROOM 2 CS7 - CATWALK D	12a
11b	SPARE			20/1	C	20/1	L	2.4	BALLROOM 2 CS7 - CATWALK D	12b
13a	SPARE			20/1	A	20/1	L	2.4	BALLROOM 2 CS8 - CATWALK D	14a
13b	SPARE			20/1	B	20/1	L	2.4	BALLROOM 2 CS8 - CATWALK D	14b
15a	SPARE			20/1	C	20/1	L	2.4	BALLROOM 2 CS8 - CATWALK D	16a
15b	SPARE			20/1	A	20/1	L	2.4	BALLROOM 2 CS8 - CATWALK D	16b
17a	SPACE				B				SPACE	18a
17b	SPACE				C				SPACE	18b
19a	SPACE				A				SPACE	20a
19b	SPACE				B				SPACE	20b
21a	SPACE				C				SPACE	22a
21b	SPACE				A				SPACE	22b
23a	SPACE				B				SPACE	24a
23b	SPACE				C				SPACE	24b
VOLTAGE: 120/208V, 3P, 4W AIC RATING: 10,000A MOUNTING: RACK MAIN: LUGS ONLY BUS: 225A	LOAD SUMMARY		CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES:				
	(L) LIGHTING		38.4	100% OF LOAD	38.4					
	TOTAL				38.0					

DIMMER RACK DRB3

MODULE NO.	LOAD SERVED	LOAD		CB	PH	CB	LOAD		LOAD SERVED	MODULE NO.
		TYPE	KVA				TYPE	KVA		
1a	BALLROOM 3 CS13 - CATWALK H	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 CS9 - CATWALK F	2a
1b	BALLROOM 3 CS13 - CATWALK H	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 CS9 - CATWALK F	2b
3a	BALLROOM 3 CS13 - CATWALK H	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 CS9 - CATWALK F	4a
3b	BALLROOM 3 CS13 - CATWALK H	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 CS9 - CATWALK F	4b
5a	BALLROOM 3 CS13 - CATWALK G	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 CS10 - CATWALK F	6a
5b	BALLROOM 3 CS14 - CATWALK G	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 CS10 - CATWALK F	6b
7a	BALLROOM 3 CS14 - CATWALK H	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 CS10 - CATWALK F	8a
7b	BALLROOM 3 CS14 - CATWALK H	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 CS10 - CATWALK F	8b
9a	BALLROOM 3 CS14 - CATWALK H	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 CS11 - CATWALK G	10a
9b	BALLROOM 3 CS14 - CATWALK H	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 CS11 - CATWALK G	10b
11a	BALLROOM 3 CS15 - CATWALK I	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 CS11 - CATWALK G	12a
11b	BALLROOM 3 CS15 - CATWALK I	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 CS11 - CATWALK G	12b
13a	BALLROOM 3 CS15 - CATWALK I	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 CS12 - CATWALK G	14a
13b	BALLROOM 3 CS15 - CATWALK I	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 CS12 - CATWALK G	14b
15a	BALLROOM 3 CS15 - CATWALK I	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 CS12 - CATWALK G	16a
15b	BALLROOM 3 CS16 - CATWALK I	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 CS12 - CATWALK G	16b
17a	BALLROOM 3 CS16 - CATWALK I	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 WALL POCKET	18a
17b	BALLROOM 3 CS16 - CATWALK I	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 WALL POCKET	18b
19a	BALLROOM 3 CS16 - CATWALK I	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 WALL POCKET	20a
19b	BALLROOM 3 CS16 - CATWALK I	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 WALL POCKET	20b
21a	BALLROOM 3 WALL POCKET	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 WALL POCKET	22a
21b	BALLROOM 3 WALL POCKET	L	2.4	20/1	A	20/1	L	2.4	BALLROOM 3 WALL POCKET	22b
23a	BALLROOM 3 WALL POCKET	L	2.4	20/1	B	20/1	L	2.4	BALLROOM 3 WALL POCKET	24a
23b	BALLROOM 3 WALL POCKET	L	2.4	20/1	C	20/1	L	2.4	BALLROOM 3 WALL POCKET	24b
25a	BALLROOM 3 WALL POCKET	L	2.4	20/1		20/1	L	2.4	BALLROOM 3 WALL POCKET	26a
25b	BALLROOM 3 WALL POCKET	L	2.4	20/1		20/1	L	2.4	BALLROOM 3 WALL POCKET	26b
27a	SPARE			20/1		20/1	L	2.4	BALLROOM 3 WALL POCKET	28a
27b	SPARE			20/1		20/1	L	2.4	BALLROOM 3 WALL POCKET	28b
29a	SPARE			20/1		20/1	L	2.4	BALLROOM 3 WALL POCKET	30a
29b	SPARE			20/1		20/1	L	2.4	BALLROOM 3 WALL POCKET	30b
31a	SPARE			20/1		20/1	L	2.4	BALLROOM 3 WALL POCKET	32a
31b	SPARE			20/1		20/1			SPACE	32b
33a	SPARE			20/1		20/1			SPACE	34a
33b	SPARE			20/1		20/1			SPACE	34b
35a	SPACE								SPACE	36a
35b	SPACE								SPACE	36b
37a	SPACE								SPACE	38a
37b	SPACE								SPACE	38b
39a	SPACE								SPACE	40a
39b	SPACE								SPACE	40b
41a	SPACE								SPACE	42a
41b	SPACE								SPACE	42b
VOLTAGE: 120/208V, 3P, 4W AIC RATING: 10,000A MOUNTING: RACK MAIN: LUGS ONLY BUS: 400A	LOAD SUMMARY		CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES:				
	(L) LIGHTING		129.6	100% OF LOAD	129.6					
	TOTAL				130.0					



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JUNE 14, 2022

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BALLROOM RENOVATION
CJ Project No. BE22-204
Juneau, Alaska**

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SHEET TITLE
SCHEDULES

DATE: June 14, 2022
FILE: 20015

E604

AUDIO/VIDEO ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
ALS	ASSISTED LISTENING SYSTEM
AMP	AMPLIFIER
AWG	AMERICAN WIRE GAUGE
BFC	BELOW FINISHED CEILING
C	CONDUIT
CC	CONTACT CLOSURE
CPU	CENTRAL PROCESSING UNIT
DA	DISTRIBUTION AMPLIFIER
DB	DECIBEL
DBA	DECIBEL "A" WEIGHTED
DBC	DECIBEL "C" WEIGHTED
DEG	DEGREE
DIV	DIVISION
DPDT	DOUBLE POLE, DOUBLE THROW
DSP	DIGITAL SIGNAL PROCESSOR
EA	EACH
EQ	EQUALIZER
ESP	EXTERNAL STATIC PRESSURE
FBOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
FOH	FRONT OF HOUSE
FP	FLAT PANEL DISPLAY
HF	HIGH FREQUENCY
HZ	HERTZ
ICM	PRODUCTION INTERCOM
IR	INFRARED CONTROL
L+R	LEFT+RIGHT AUDIO
LF	LOW FREQUENCY
MAX	MAXIMUM
MF	MID FREQUENCY
MIN	MINIMUM
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
OFOI	OWNER FURNISHED, OWNER INSTALLED
PBO	PROVIDED BY OTHERS
PTZ	PAN, TILT, ZOOM
RCP	REFLECTED CEILING PLAN
REQ	REQUIRED
RX	RECEIVER
S	SHIELDED
SMR	SURFACE METAL RACEWAY
SPEC	SPECIFICATION
SPKR	SPEAKER
TBD	TO BE DETERMINED
TC	TERMINAL CABINET
TX	TRANSMITTER
TYP	TYPICAL
V	VOLT
VP	VIDEO PROJECTOR
VTC	VIDEO TELECONFERENCE
W/	WITH
W/O	WITHOUT

NOTE: DRAWINGS MAY NOT CONTAIN ALL ABBREVIATIONS SHOWN.

A/V WIRE LEGEND

TYPE	DESCRIPTION
ANT	WIRELESS MICROPHONE ANTENNA
CAT6	CATAGORY 6A SHIELDED
FO	FIBER OPTIC
RF	ALS ANTENNA
SDI	12G HD SDI
STP	SHIELDED TWISTED PAIR (MIC/LINE/CTL)
S8	LOW IMPEDANCE LOUDSPEAKER CABLE

A/V DEVICE LAYOUT LEGEND

DEVICE	DESCRIPTION	NOTES
PS1	PROJECTION SCREEN - TYPE 1	
PS2	PROJECTION SCREEN - TYPE 2	
VP1	VIDEO PROJECTOR - TYPE 1	
RK1	EXISTING EQUIPMENT CABINET - TYPE 1	
RK2	EQUIPMENT CABINET - TYPE 2	
AV1	AV I/O PANEL - TYPE 1	
AV2	AV I/O PANEL - TYPE 2	
AV3	AV I/O PANEL - TYPE 3	
AV4	AV I/O PANEL - TYPE 4	
TP1	AV CONTROL TOUCHPANEL - TYPE 1	
P1	PENDANT LOUDSPEAKER - TYPE 1	
LA1	LOUDSPEAKER ARRAY - TYPE 1	
LA2	LOUDSPEAKER ARRAY - TYPE 2	
SP1	LOUDSPEAKER - TYPE 1	
CH1	ELECTRIC CHAIN HOIST - TYPE 1	
WA1	AV WIRELESS ACCESS POINT - TYPE 1	

GENERAL NOTES

- ISOLATE CONDUIT FROM THE A/V GROUND SYSTEM AND EQUIPMENT RACK. FOR BNC, PHONO, 1/4" AND OTHER JACKS THAT CAN SHORT THE AUDIO GROUND TO THE CONDUIT, USE INSULATED BUSHINGS.
- AUDIO EQUIPMENT SHALL HAVE BALANCED INPUTS AND OUTPUTS. INCLUDE INPUT AND OUTPUT TRANSFORMERS WHERE NECESSARY. USE UNBALANCED AUDIO CIRCUITS ONLY WHERE INDICATED ON DRAWINGS.
- INSTALL A/V SYSTEM WIRING USING CONTINUOUS PULLS WITHOUT SPLICING. WHERE RUNS CONTINUE THROUGH A BOX TO AN UPSTREAM BOX OR DEVICE, INSTALL A LOOP TO PERMIT FUTURE WIRING CHANGES. SPEAKER WIRING MAY BE SPLICED WITHIN SPEAKER ENCLOSURES.
- DO NOT BUS COMMONS TOGETHER.
- ASSIGN EACH CABLE A UNIQUE IDENTIFIER. MARK EACH CABLE ON BOTH ENDS WITH THAT IDENTIFIER USING A PERMANENT TAG. INDICATE EACH IDENTIFIER ON THE AS-BUILTS AND IN A TERMINAL AND ON WIRE SCHEDULE.

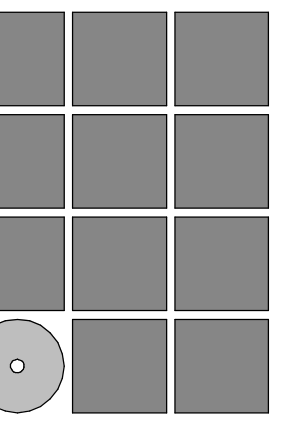
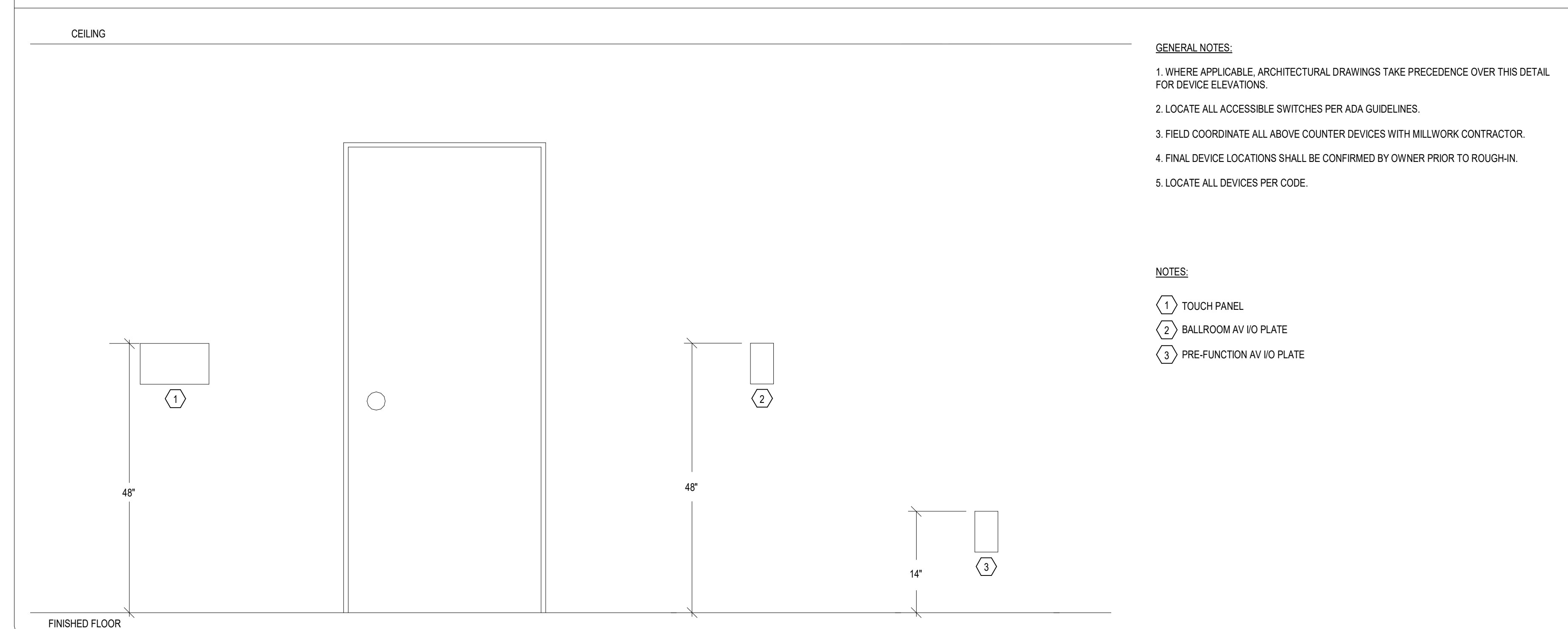
WIRING NOTES

- VERIFY EXACT LOCATIONS OF DEVICES WITH OWNER PRIOR TO ROUGHING IN.
- HANGING OR FREE STANDING EQUIPMENT AND CABINETS FURNISHED SHALL BE SECURED TO SUBSTANTIAL BUILDING STRUCTURE SO AS TO RESIST SEISMIC ACCELERATION IN ANY DIRECTION UP TO 1.0G, OR THE LIMIT PROSCRIBED BY GOVERNING CODES, WHICHEVER IS GREATER.
- EQUIPMENT HANGING AND MOUNTING DETAILS, RACK BRACING, AND OTHER SEISMIC RESTRAINTS ARE NOT SHOWN ON THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR SEISMIC RESTRAINTS.

SHEET INDEX

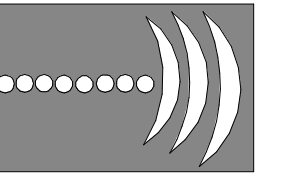
AV001	AV SYSTEM LEGEND & SCHEULDES
AVD101	LEVEL 1 - AV DEMO PLAN
AVD102	LEVEL 2 - AV DEMO PLAN
AVD202	LEVEL 2 - DEMO AV RCP
AV101	LEVEL 1 - AV PLAN
AV102	LEVEL 2 - AV PLAN
AV103	CATWALK LEVEL - AV PLAN
AV202	LEVEL 2 - AV RCP
AV203	CATWALK LEVEL - AV RCP
AV301	AV ELEVATION
AV401	AV SECTIONS
AV601	AV BLOCK DIAGRAM
AV701	AV DETAILS
AV702	AV DETAILS
AV703	AV DETAILS

DEVICE MOUNTING HEIGHTS



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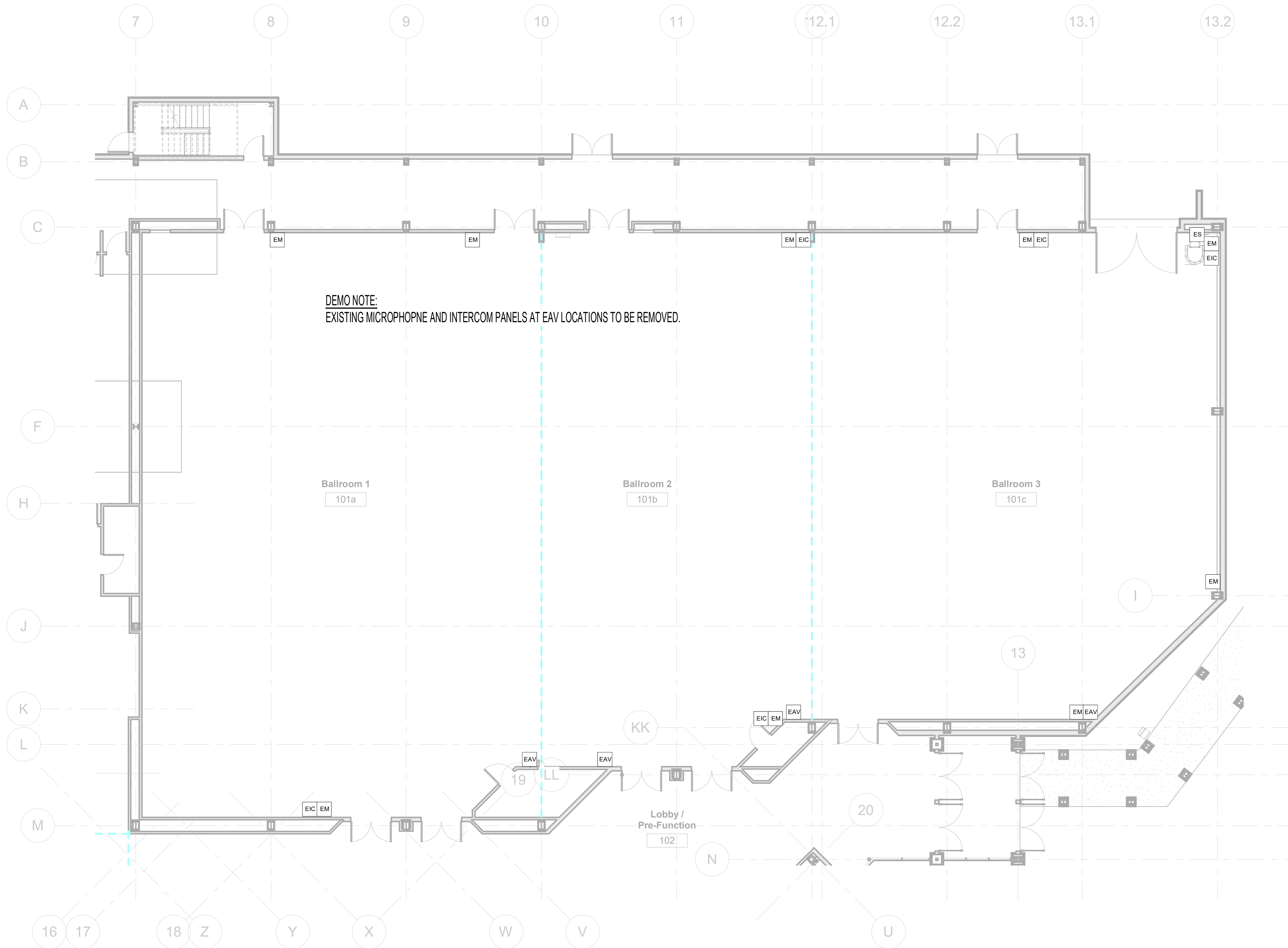
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AV SYSTEM LEGEND
& SCHEULDES

DATE: 6/14/2022

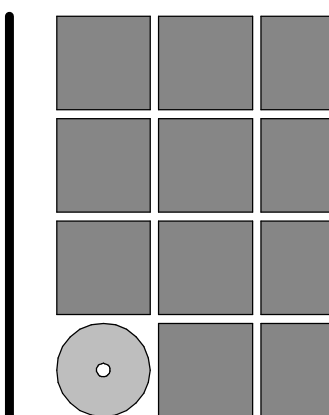
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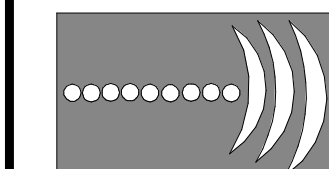
DEMO NOTE:
EXISTING MICROPHONE AND INTERCOM PANELS AT EAV LOCATIONS TO BE REMOVED.

1 LEVEL 1 - DEMO AV PLAN
1/8" = 1'-0"



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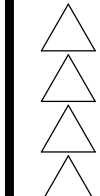
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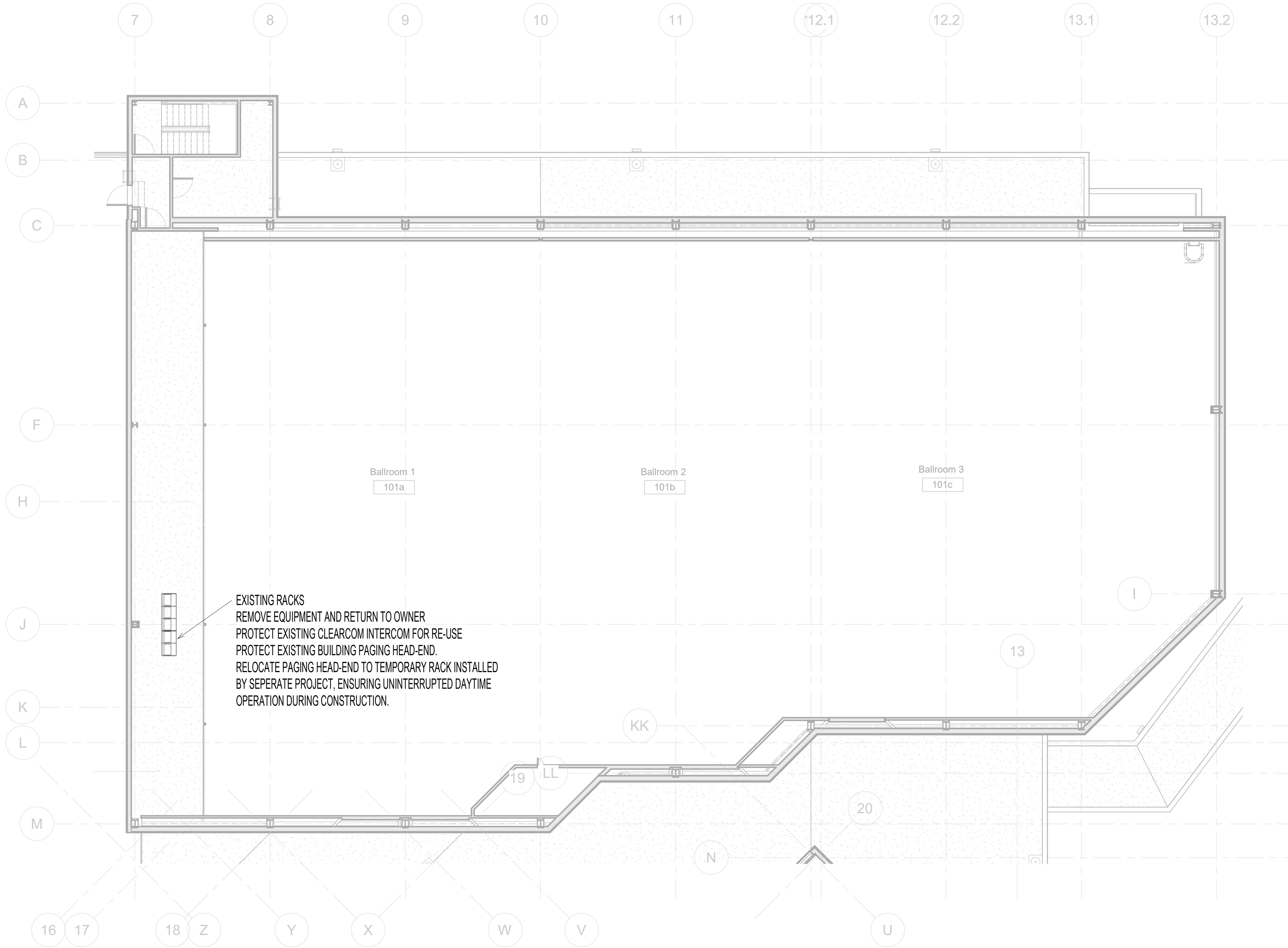
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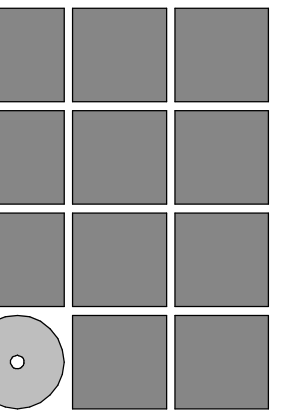
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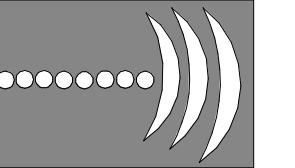


1 LEVEL 2 - DEMO AV PLAN
1/8" = 1'-0"



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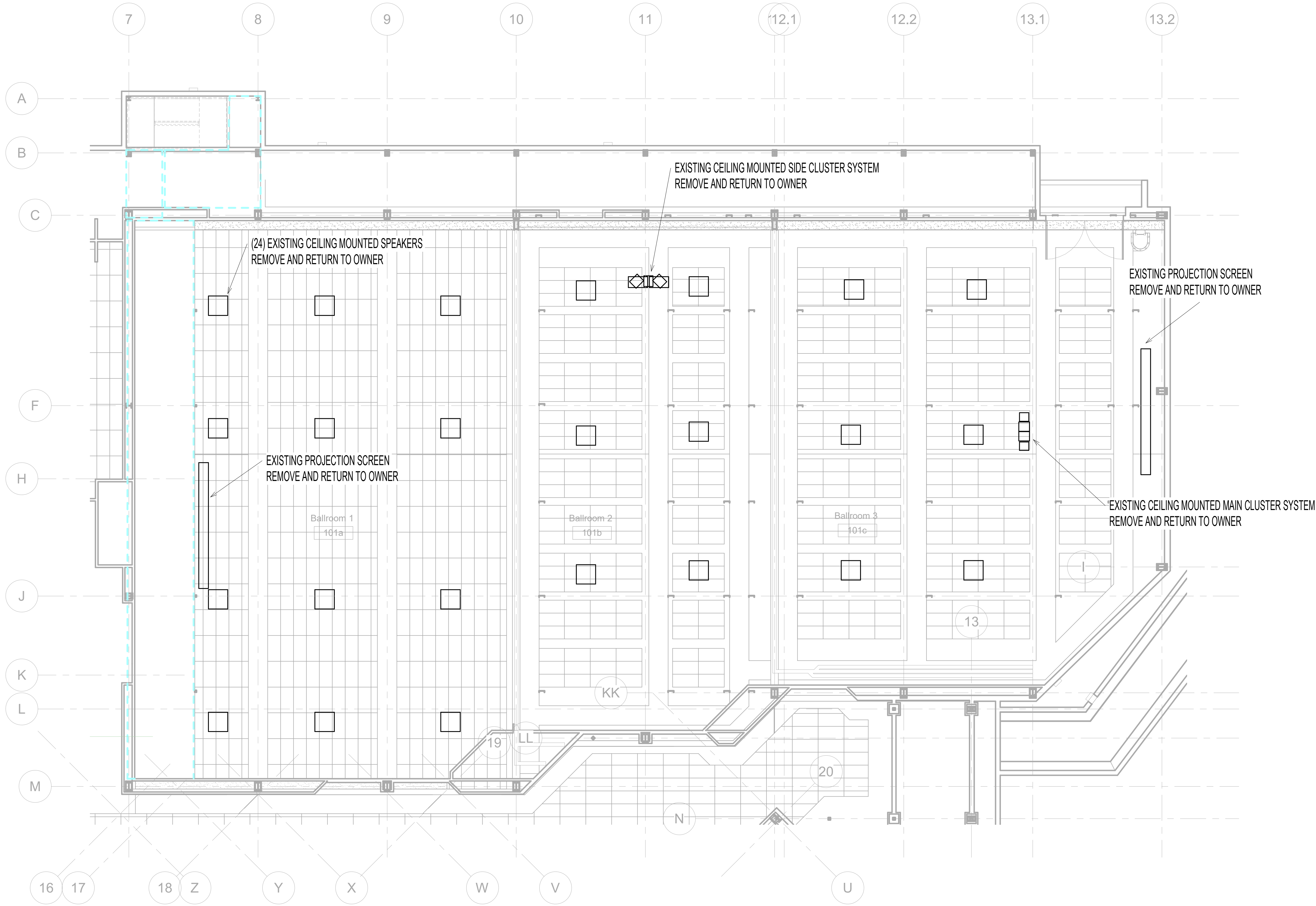


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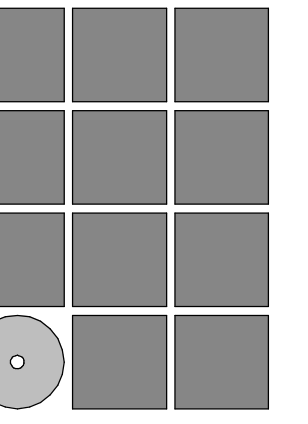
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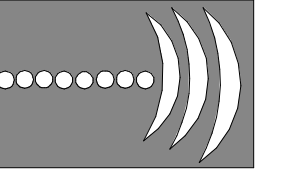


1 LEVEL 2 - DEMO AV RCP
1/8" = 1'-0"



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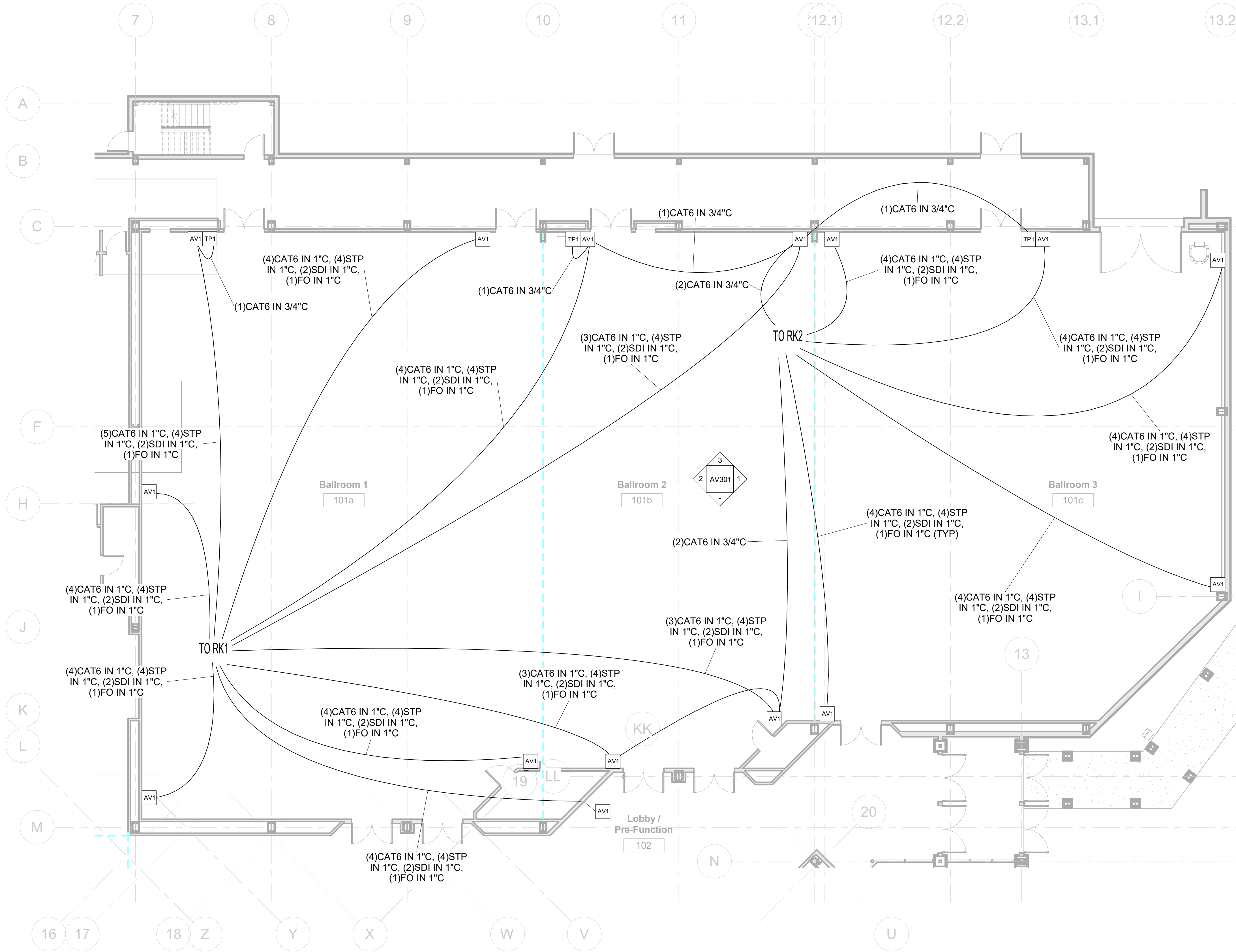
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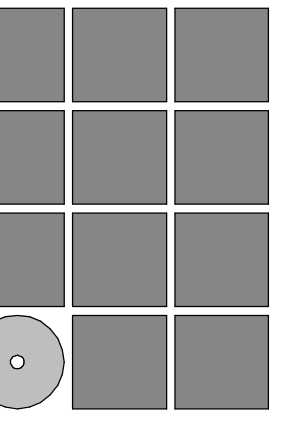
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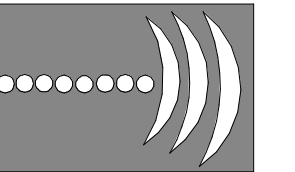


1 LEVEL 1 - AV PLAN
1/8" = 1'-0"



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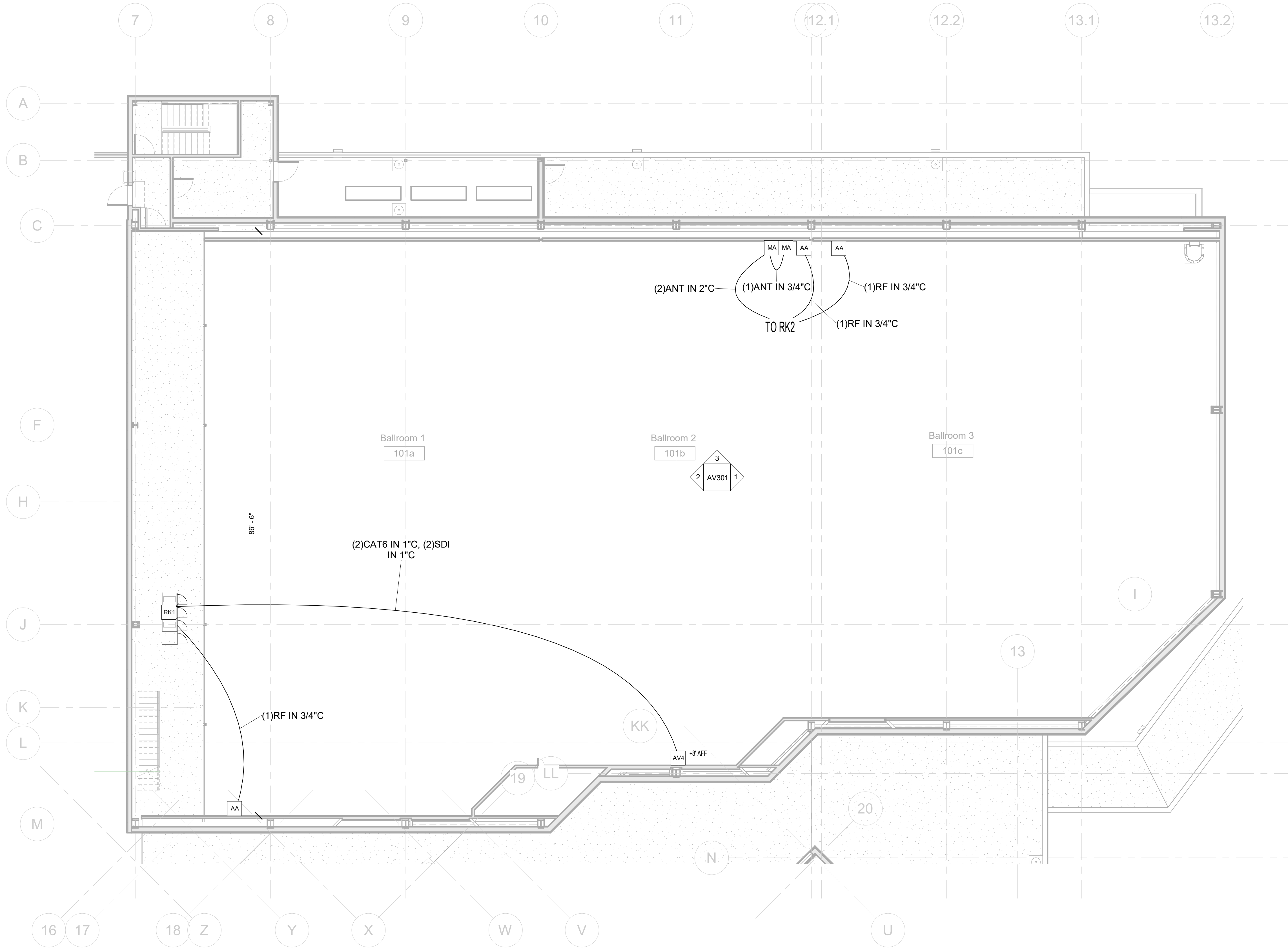
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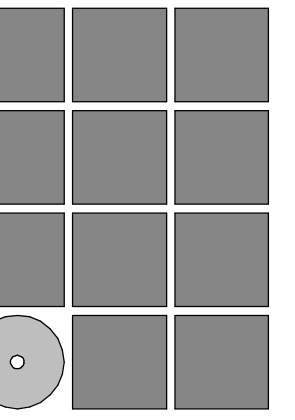
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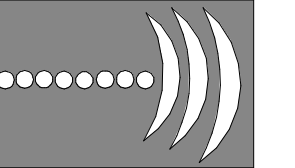


1 LEVEL 2 - AV PLAN
1/8" = 1'-0"



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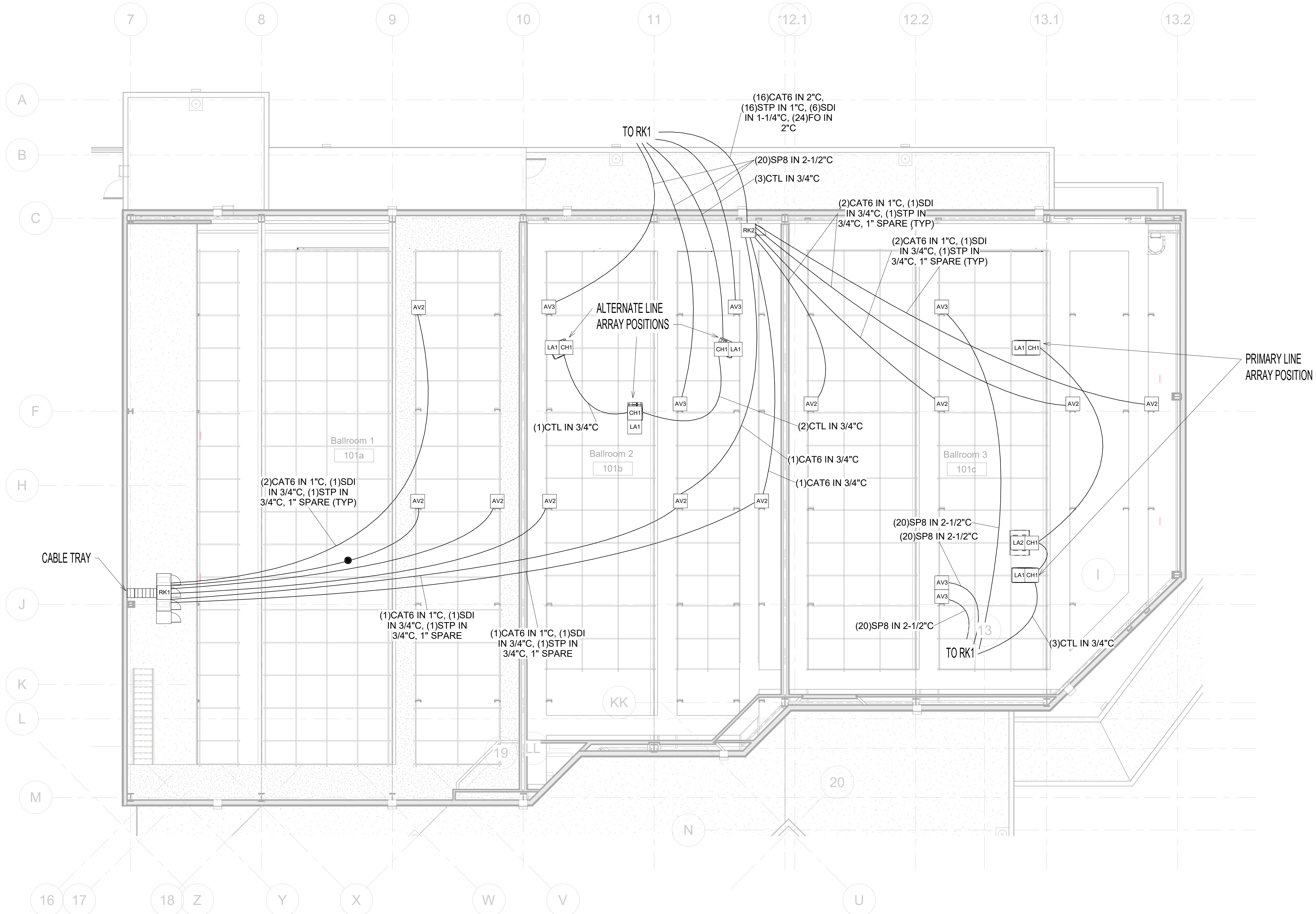


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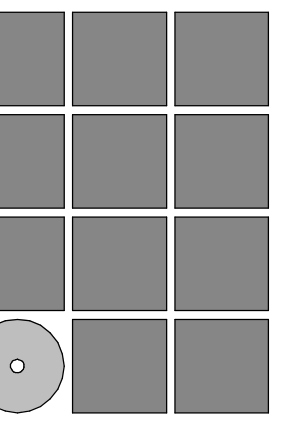
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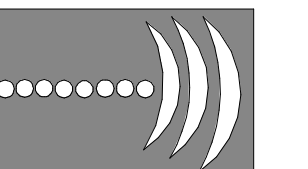


1 LEVEL CATWALK - AV PLAN
1/8" = 1'-0"



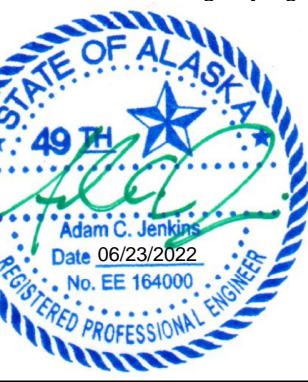
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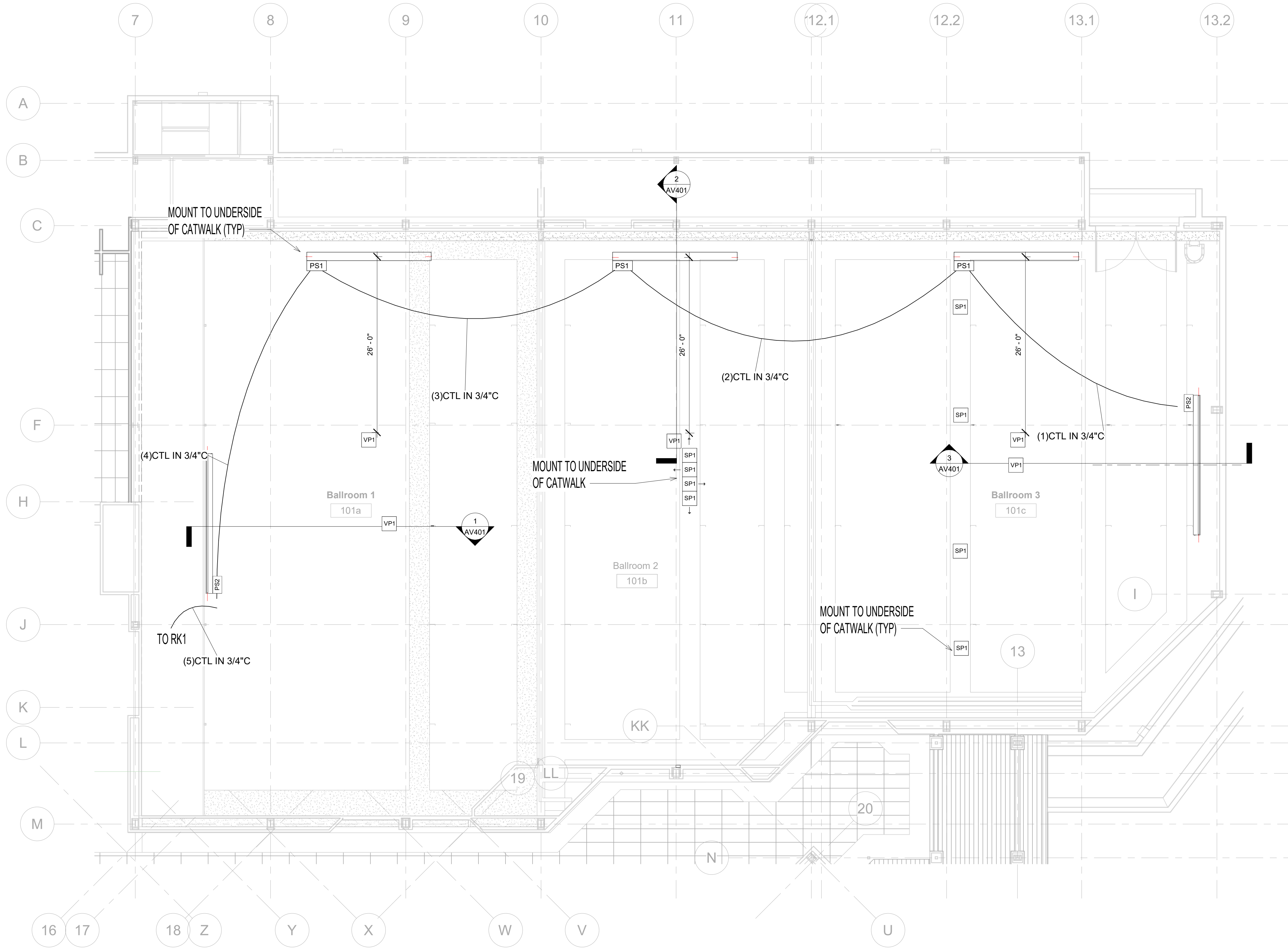
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CATWALK LEVEL - AV PLAN

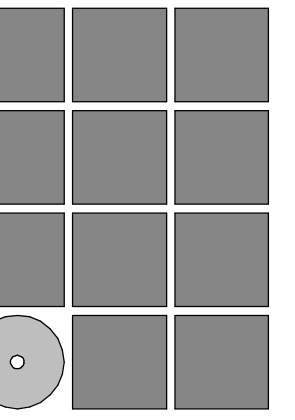
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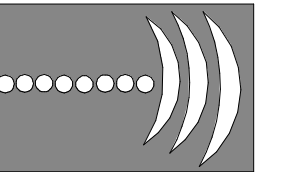


1 LEVEL 2 - AV RCP
1/8" = 1'-0"



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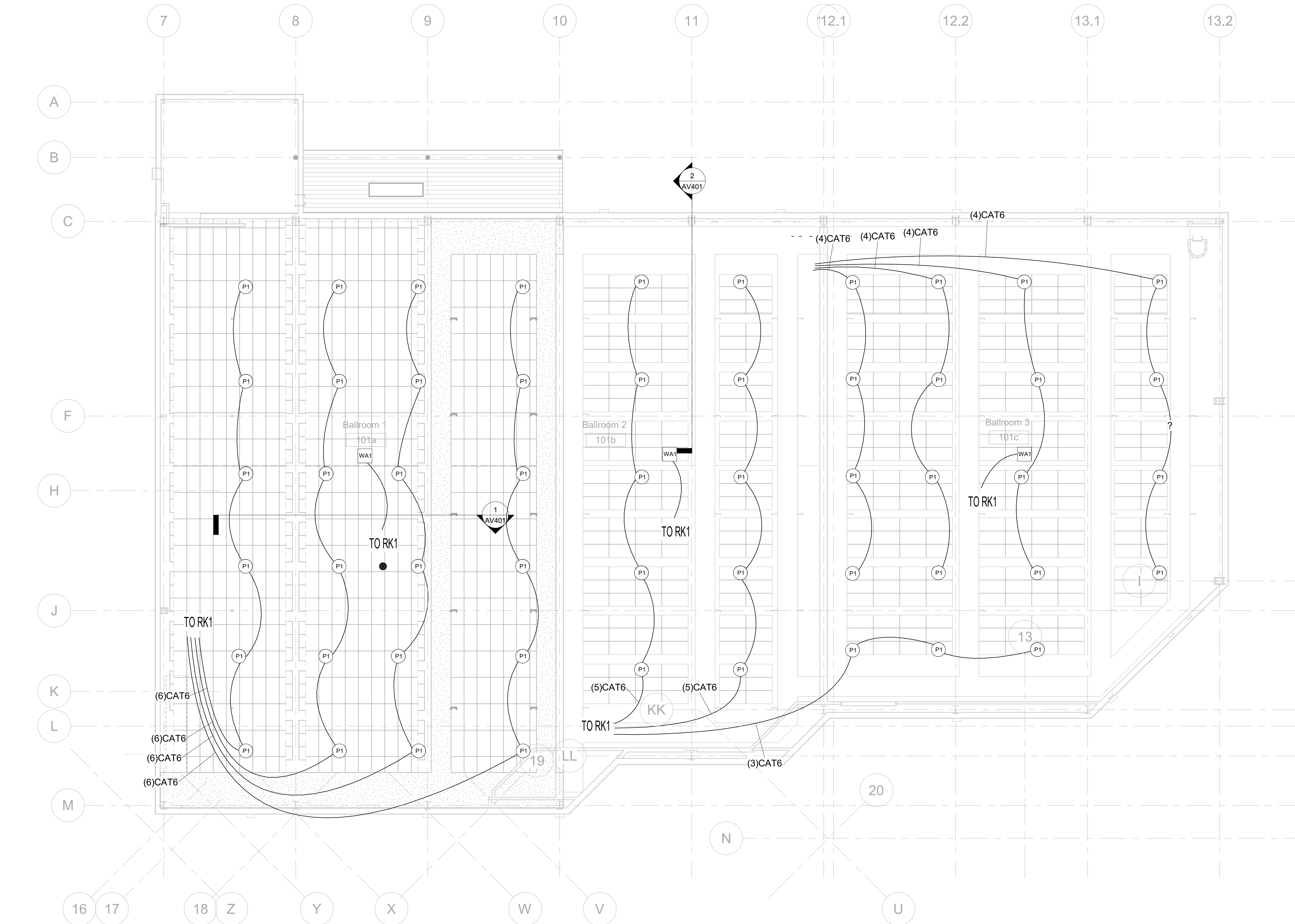
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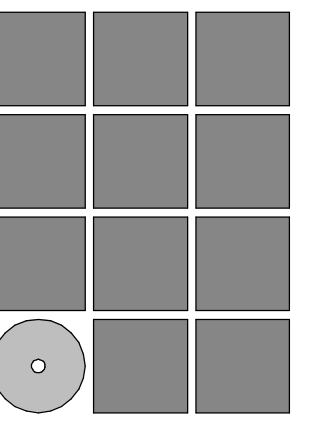
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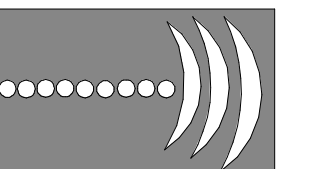


1 LEVEL CATWALK - AV/RCP
 1/8" = 1'-0"



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**CITY AND BOROUGH OF JUNEAU
 CENTENNIAL HALL
 BALLROOM RENOVATION**
 CBJ Project No. BE22-204
 Juneau, Alaska

Construction Documents

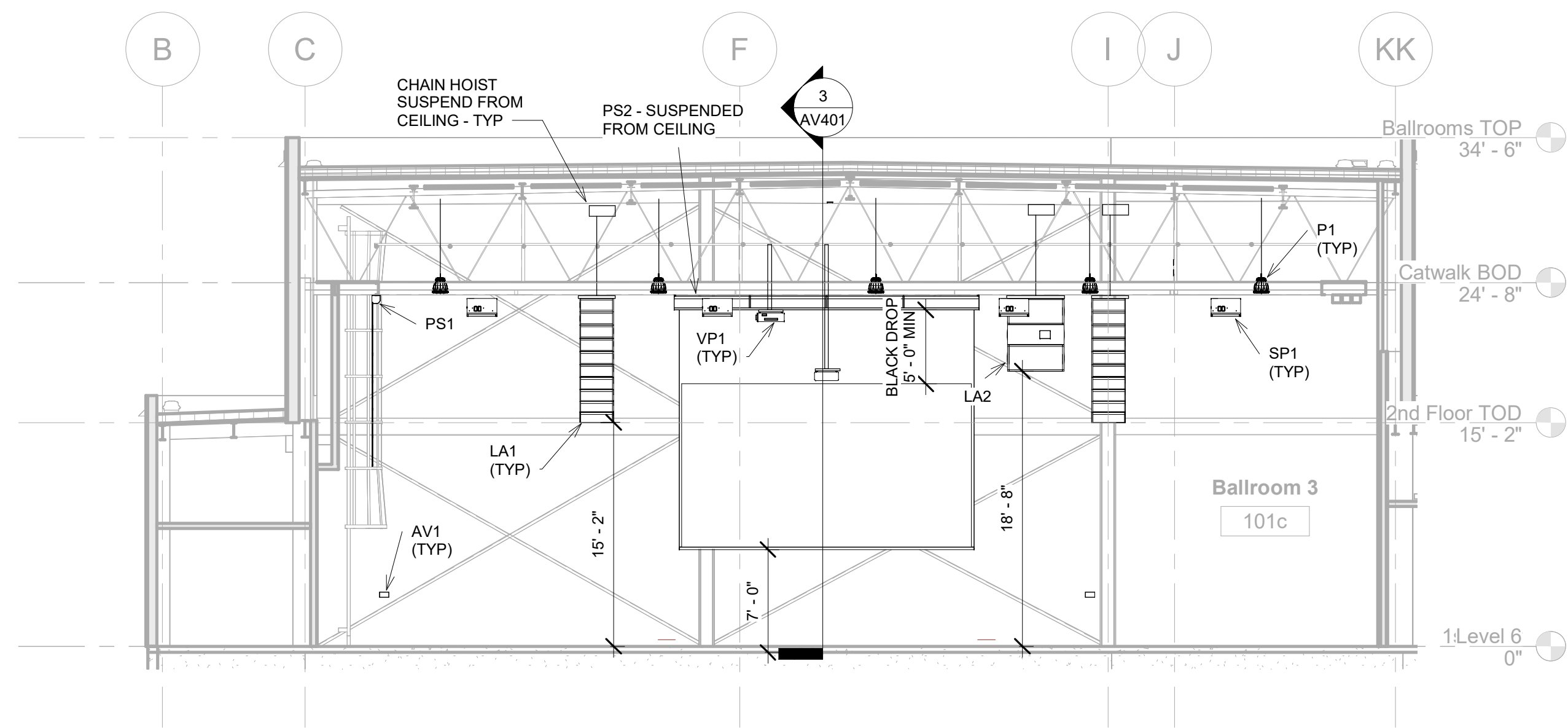
REVISIONS

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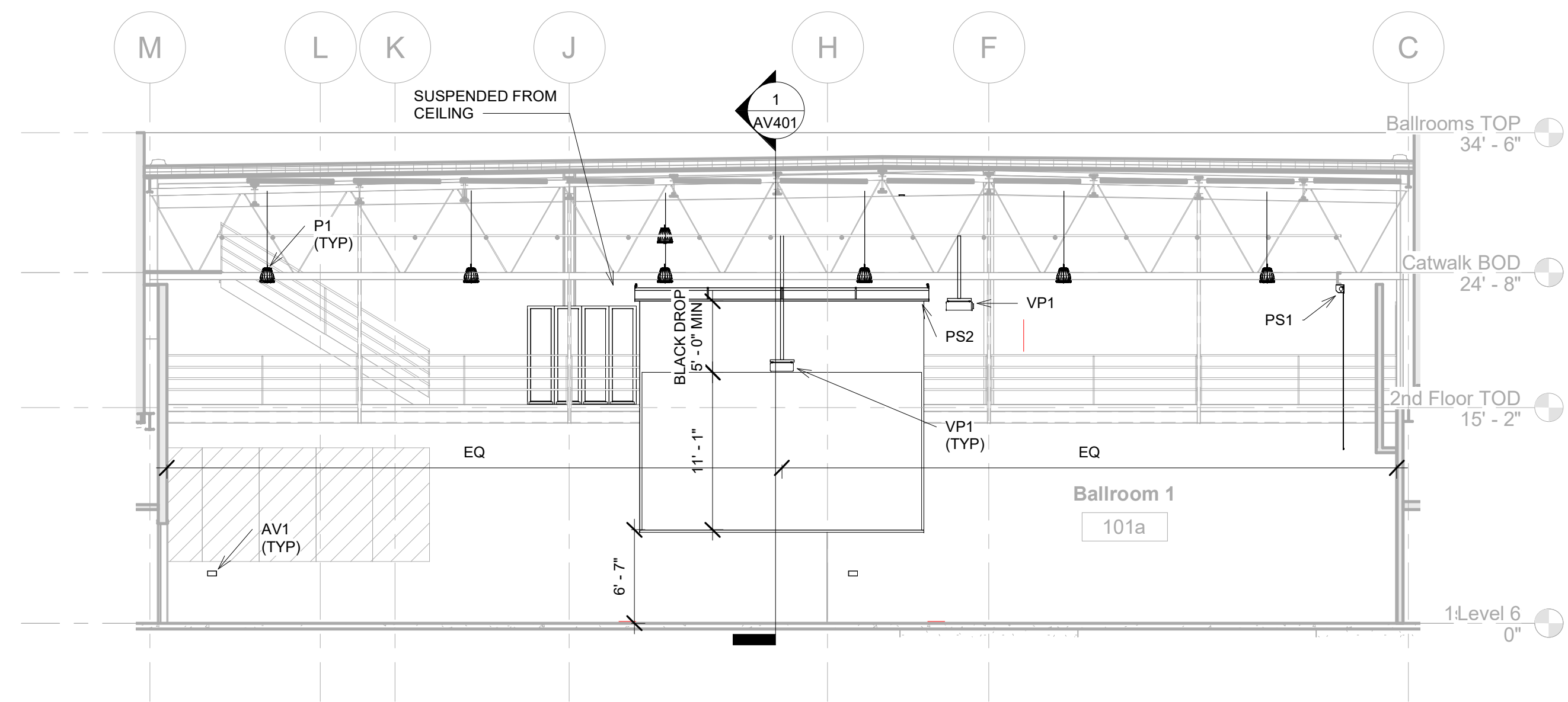
SHEET TITLE
CATWALK LEVEL - AV/RCP

DATE: 6/14/2022
 FILE:

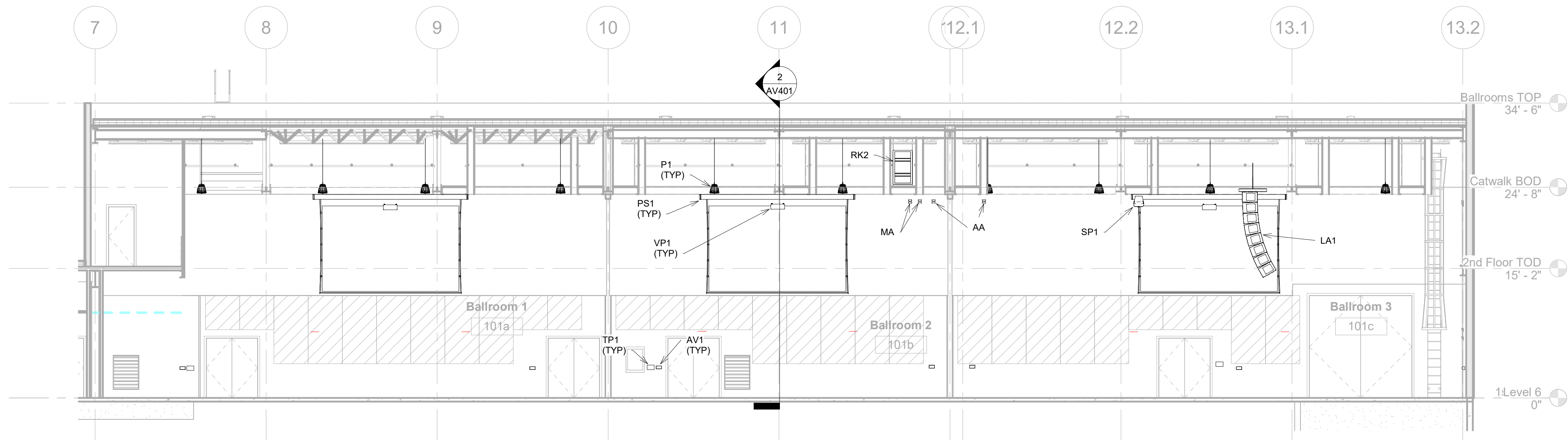
AV203



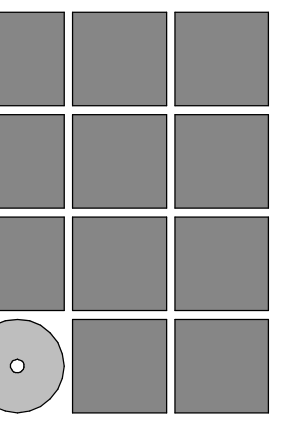
1 BALLROOM - EAST
1/8" = 1'-0"



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

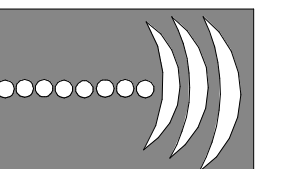


3 BALLROOM - NORTH
1/8" = 1'-0"



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Yorba
Wall Inc.

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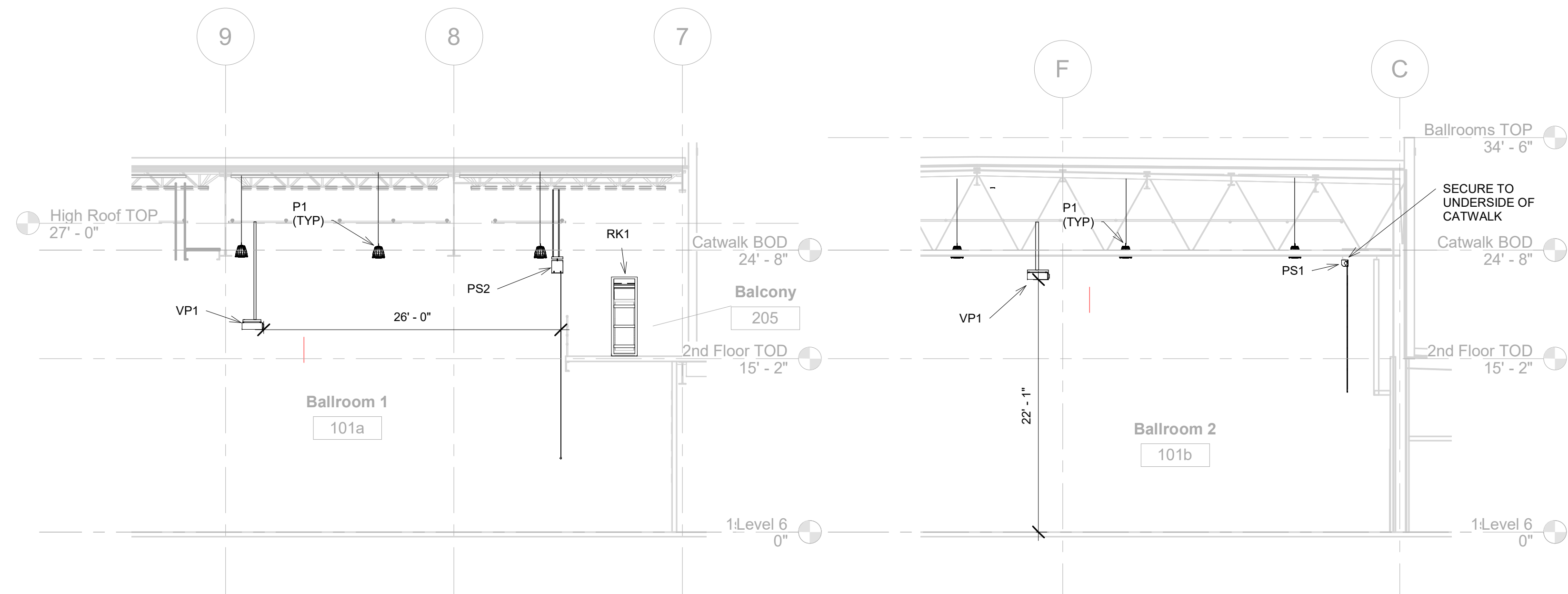
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SHEET TITLE
AV ELEVATION

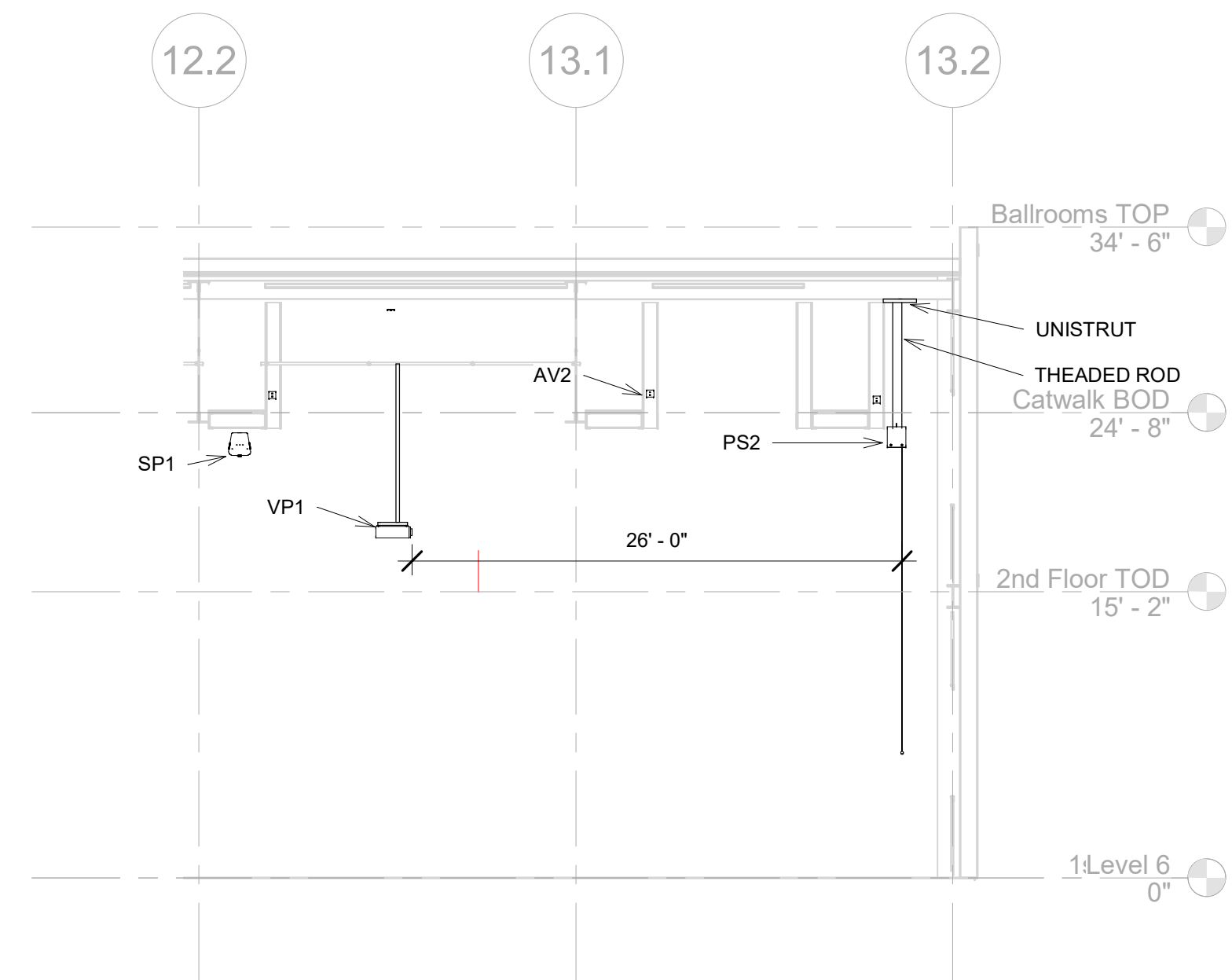
DATE: 6/14/2022
FILE:

AV301

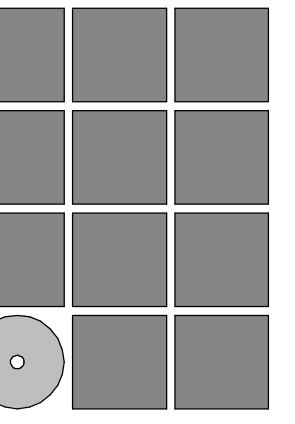


1 BALLROOM 1 PROJECTION SECTION - REAR
1/8" = 1'-0"

2 BALLROOM 2 PROJECTION SECTION - SIDE
1/8" = 1'-0"

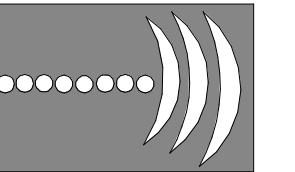


3 BALLROOM 3 PROJECTION SECTION - FRONT
1/8" = 1'-0"



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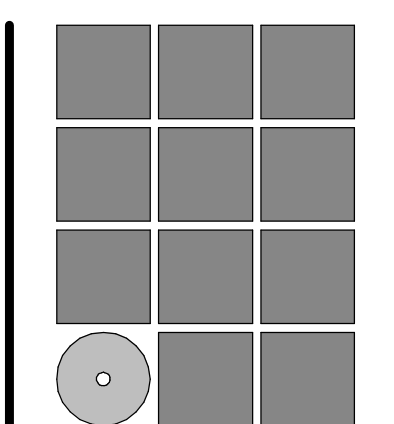
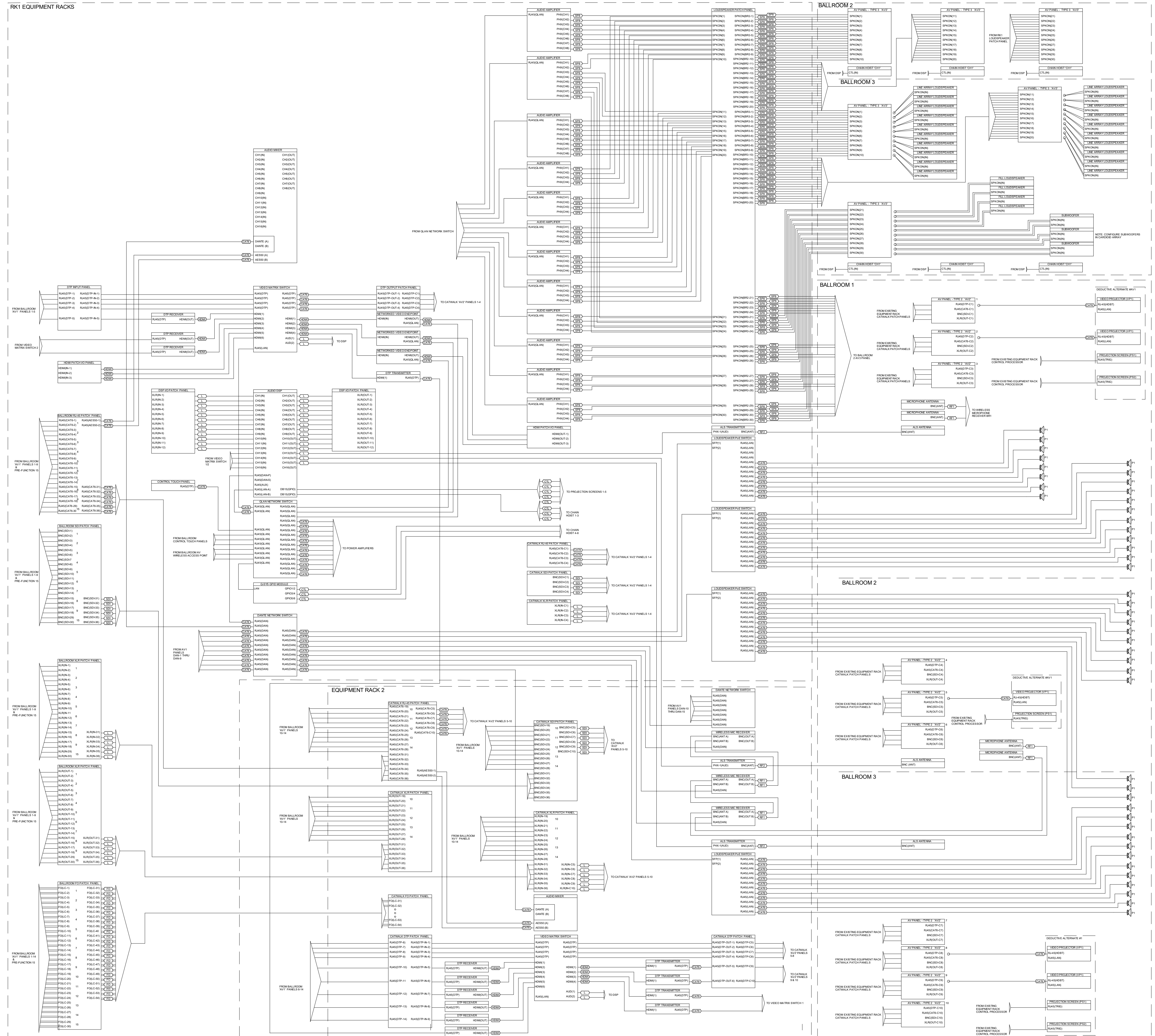
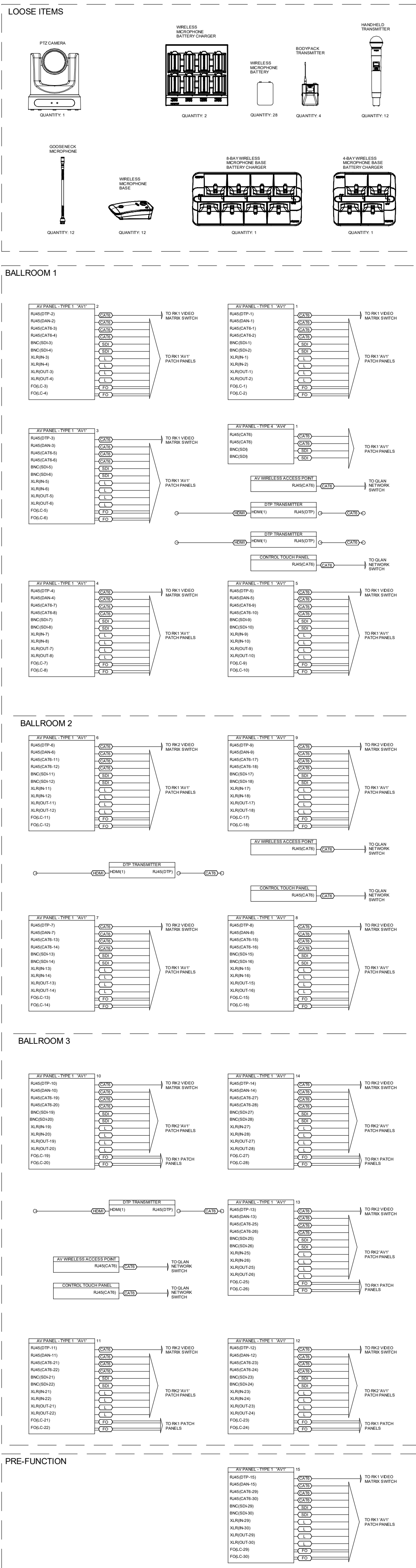
SHEET TITLE

AV SECTIONS

DATE: 6/14/2022

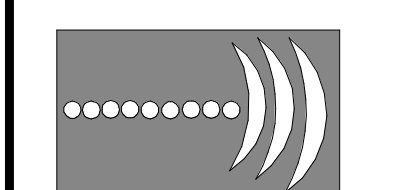
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AV401



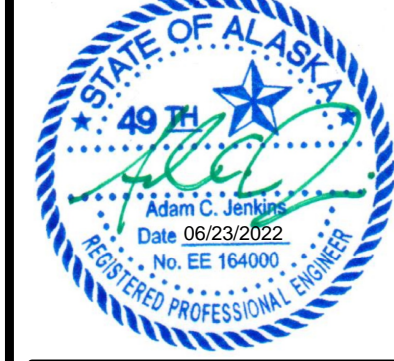
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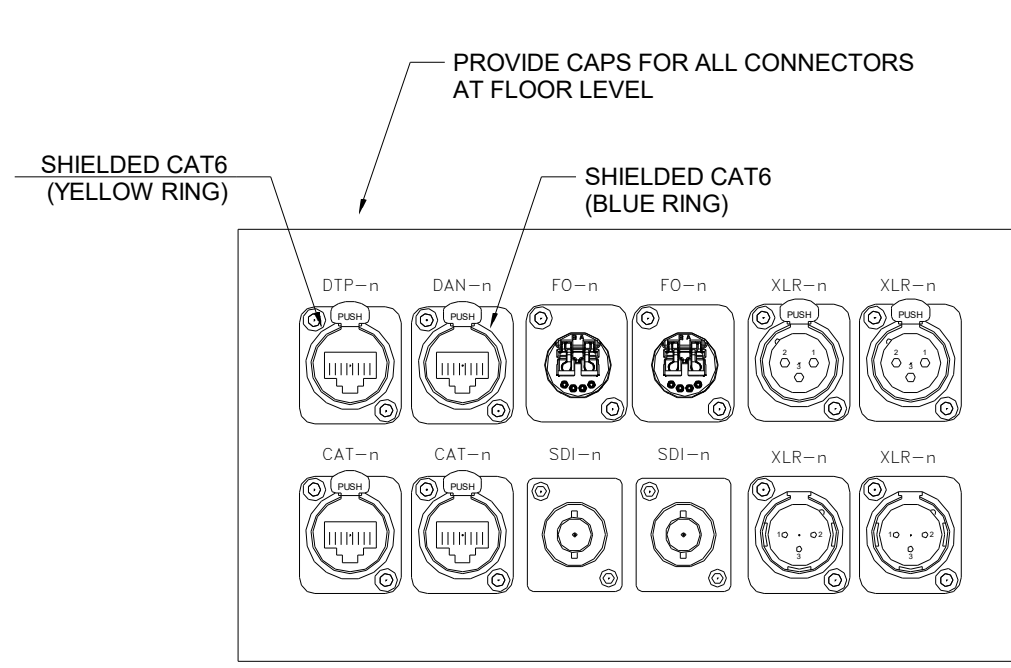


SHEET TITLE
AV BLOCK DIAGRAM

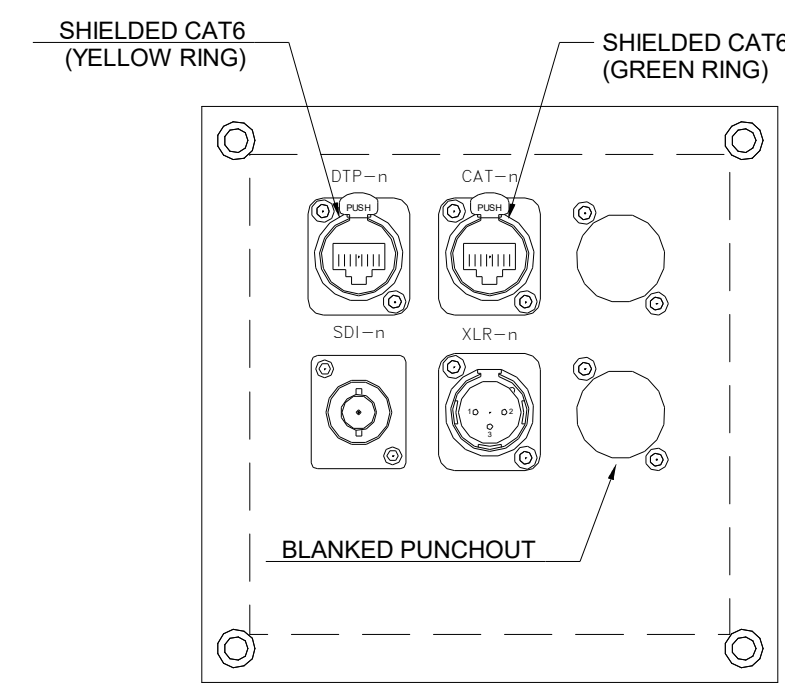
DATE: 6/14/2022
FILE:

AV601

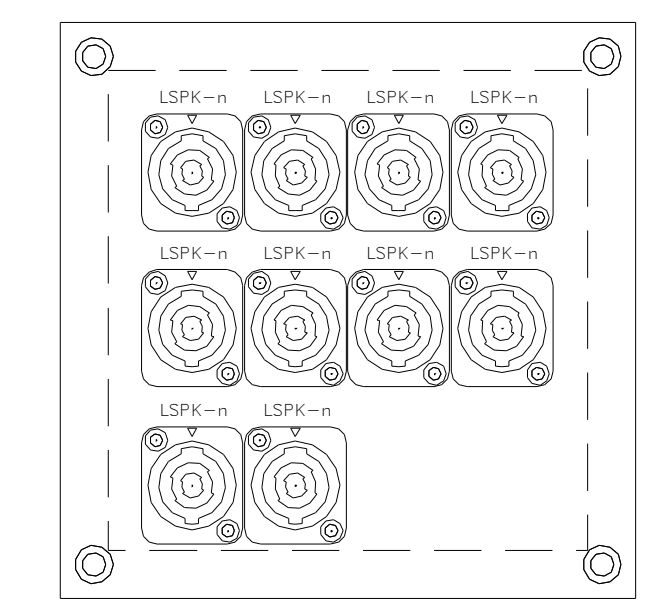
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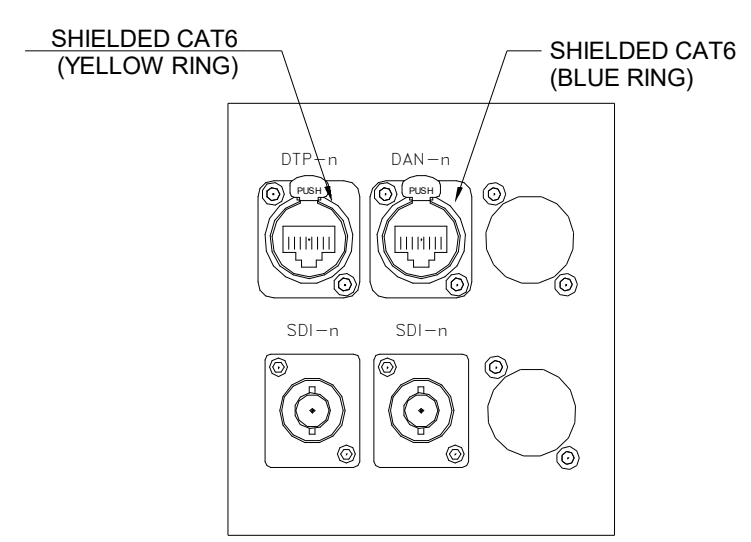
1 AV PANEL - TYPE 1 'AV1'
SCALE: NTS



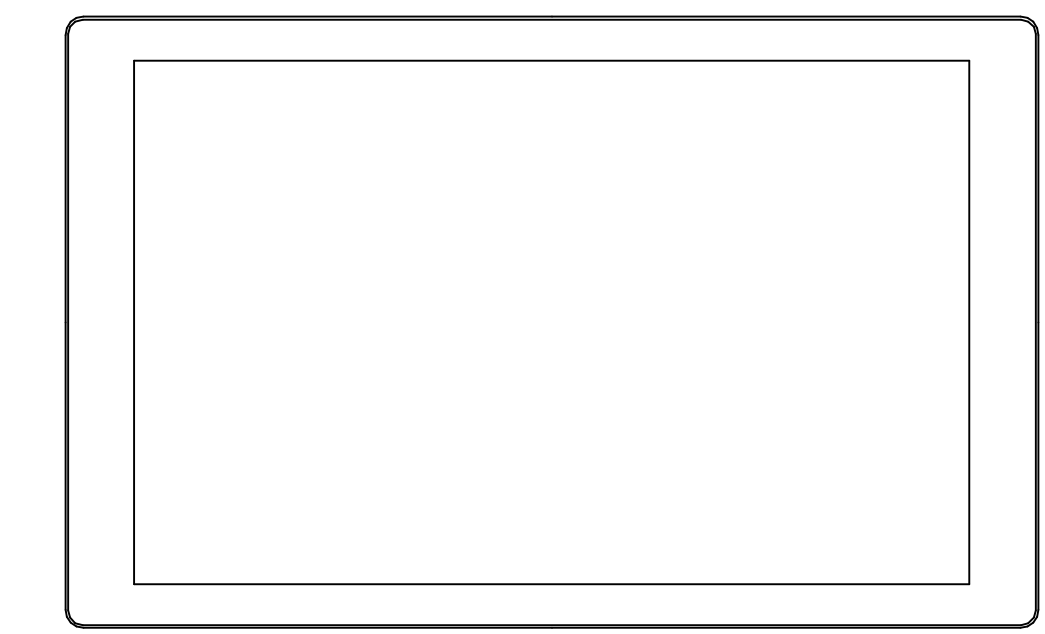
2 AV PANEL - TYPE 2 'AV2'
SCALE: NTS



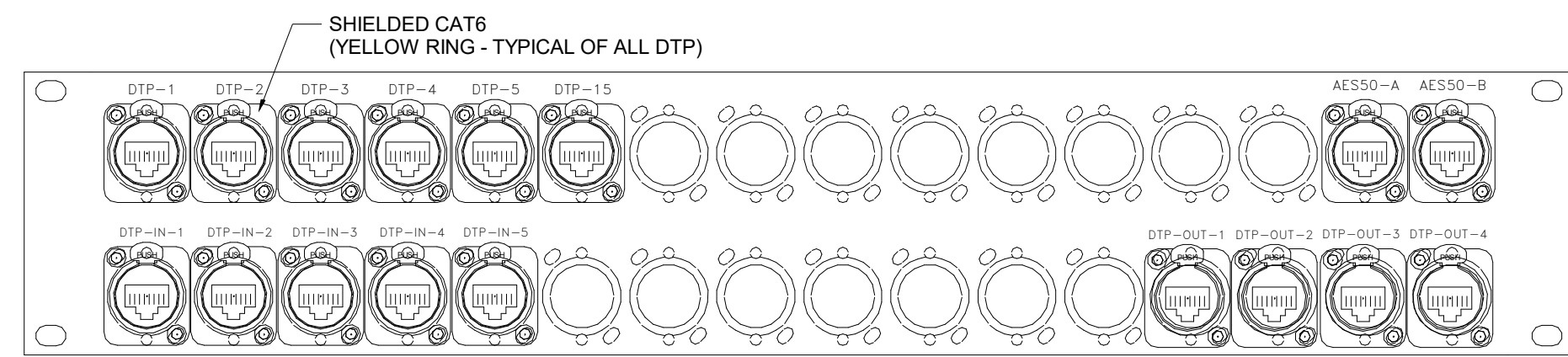
3 AV PANEL - TYPE 3 'AV3'
SCALE: NTS



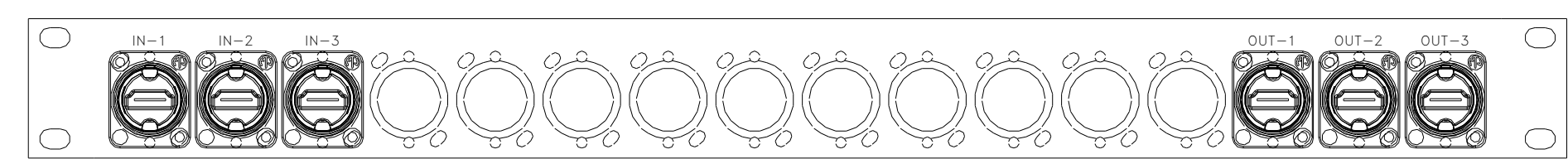
4 AV PANEL - TYPE 4 'AV4'
SCALE: NTS



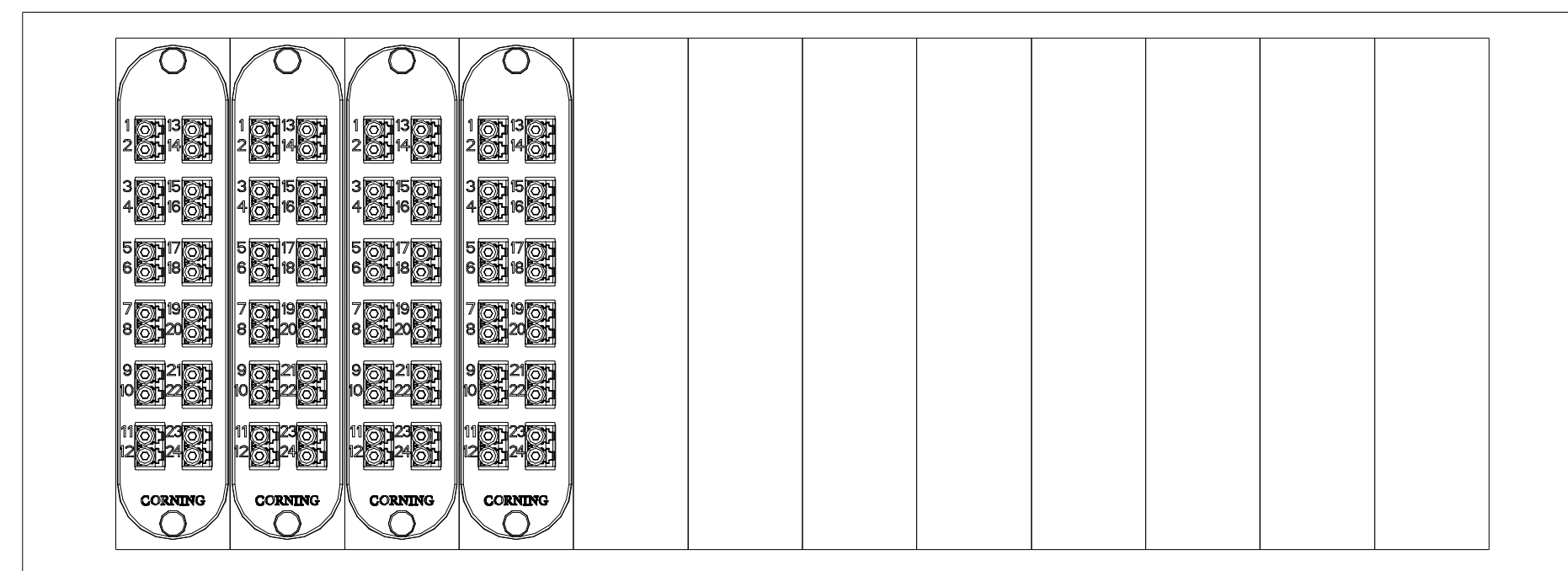
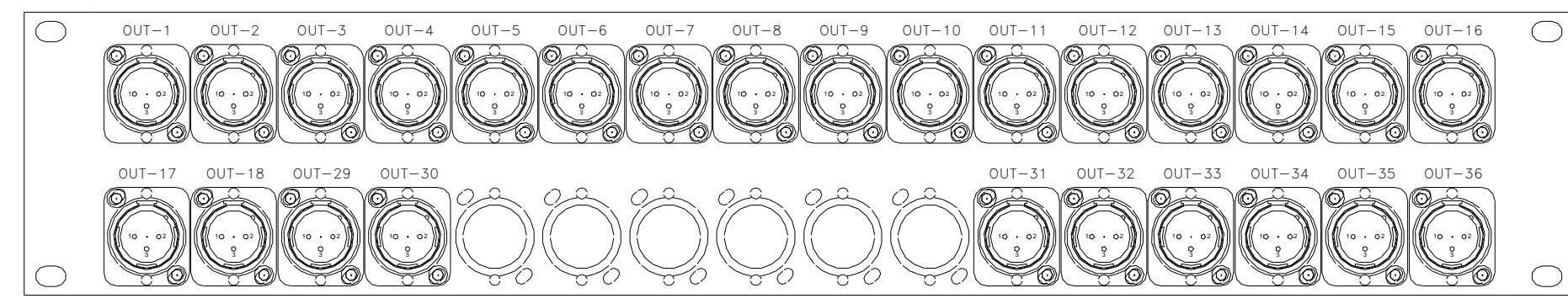
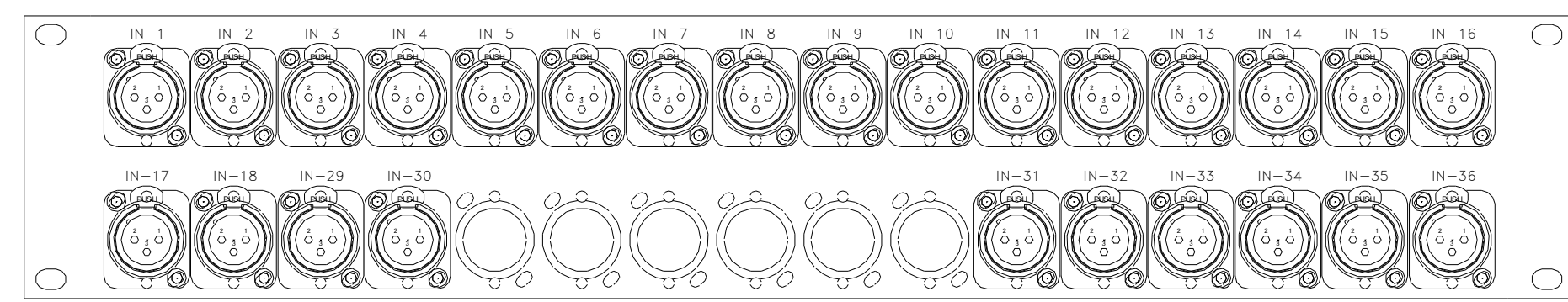
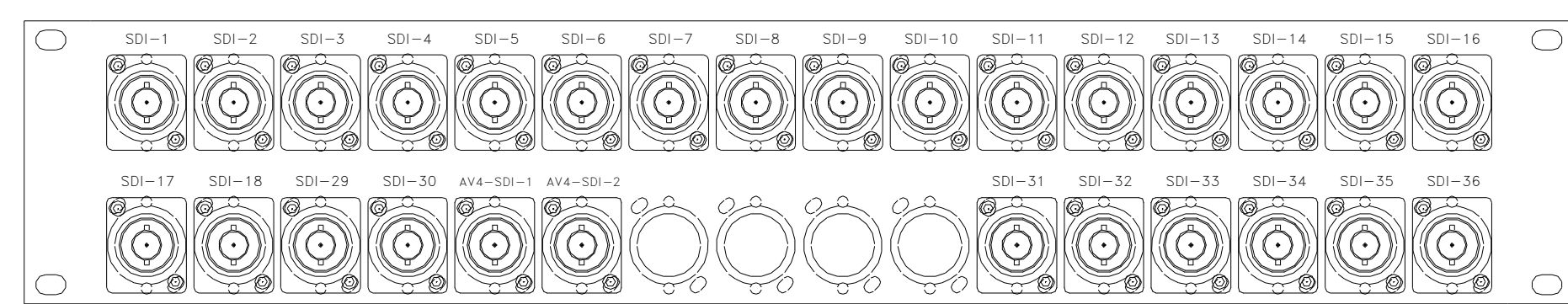
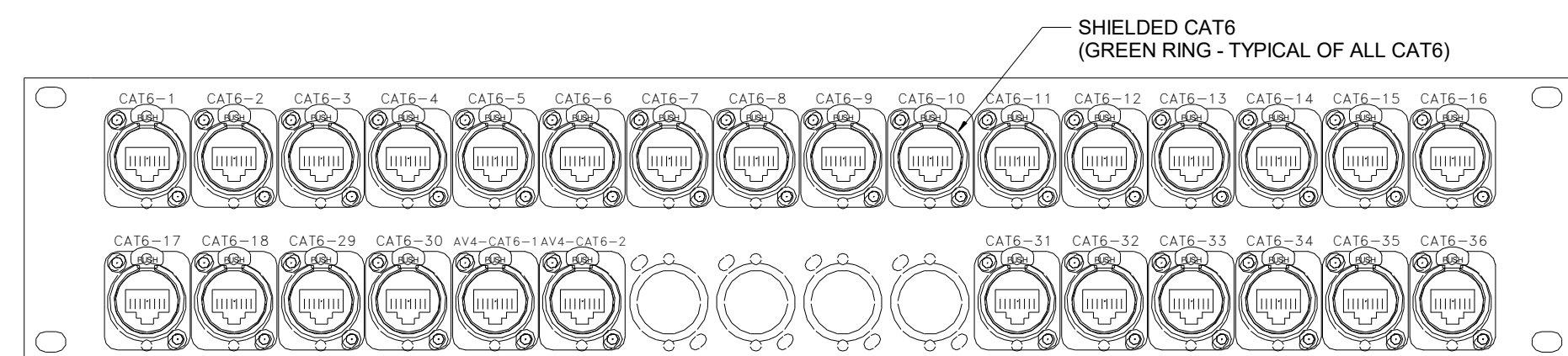
5 AV TOUCH PANEL - TYPE 3 'TP1'
SCALE: NTS



6 RK1 DTP INPUT / AES50 PATCH PANEL
SCALE: NTS

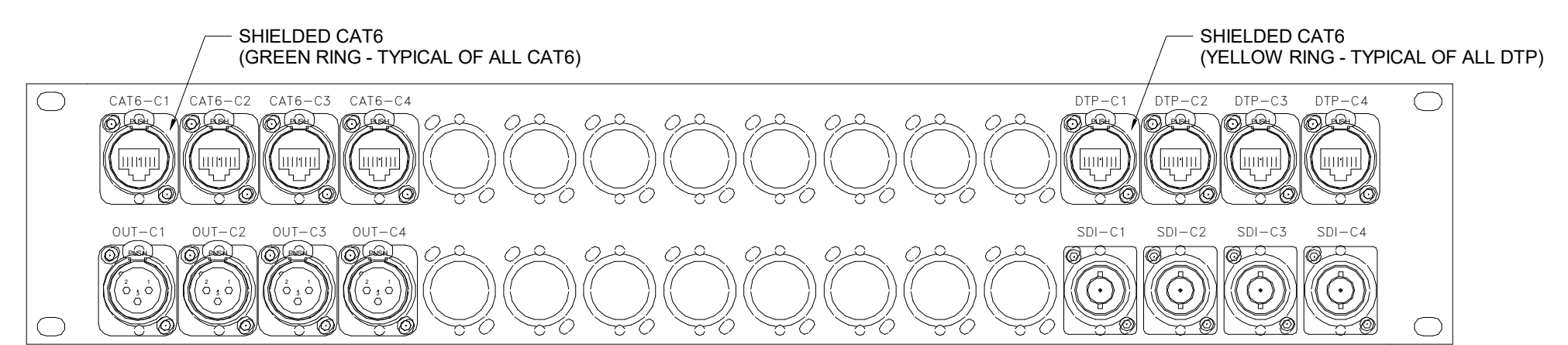


8 RK1 HDMI PATCH PANEL
SCALE: NTS

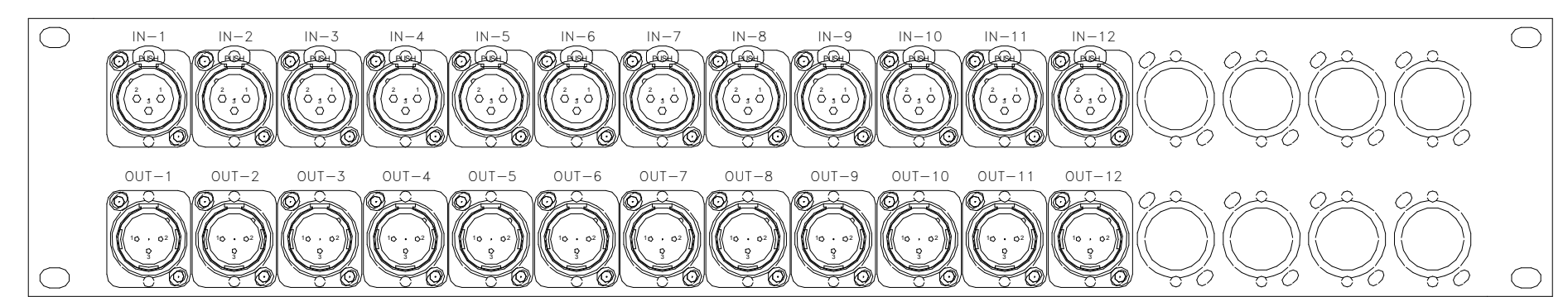


7 RK1 'AV1' PATCH PANELS
SCALE: NTS

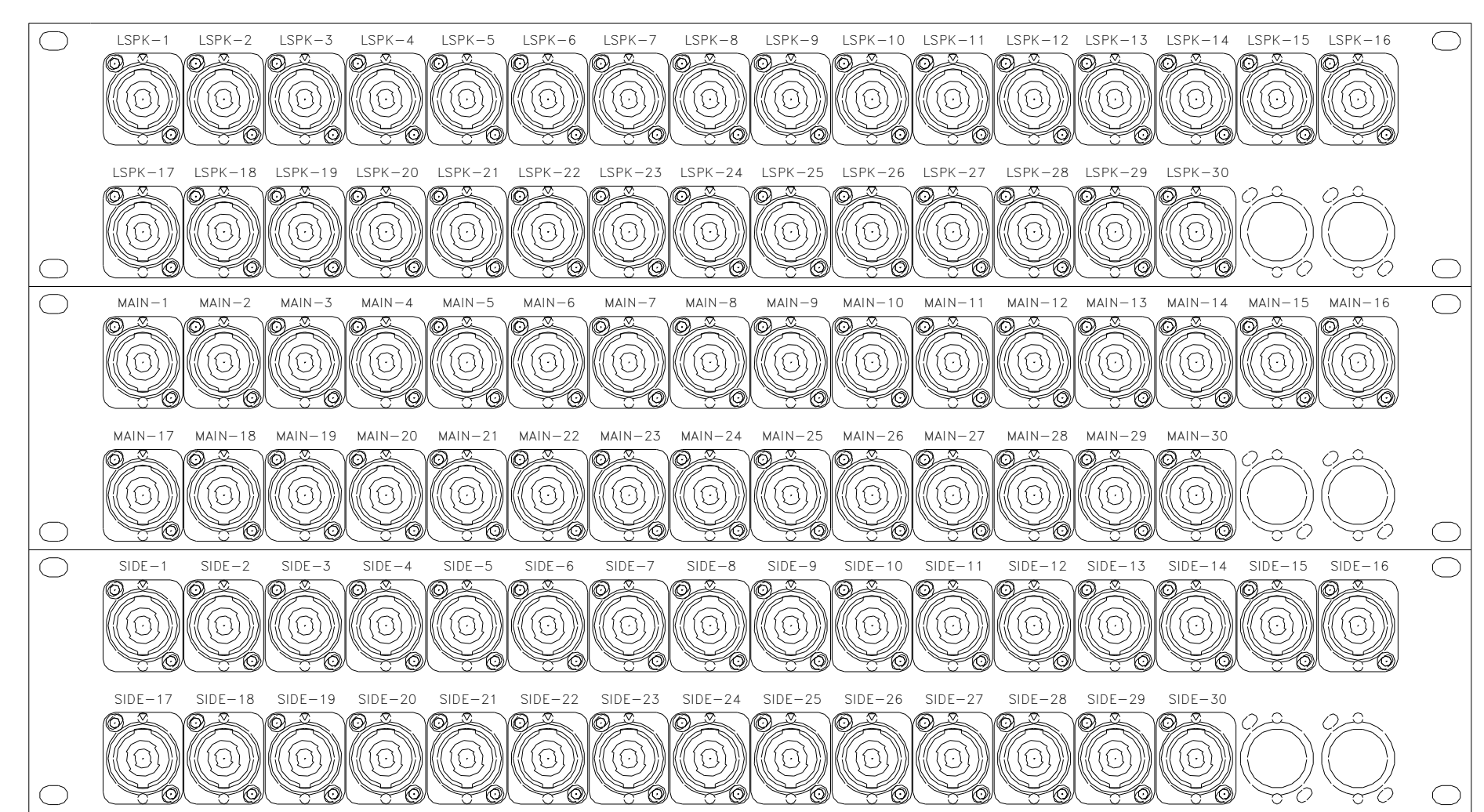
NOTE: NOTE: TERMINATE ALL FIBER STRANDS, REGARDLESS OF SYSTEM UTILIZATION.



9 RK1 'AV2' PATCH PANELS
SCALE: NTS

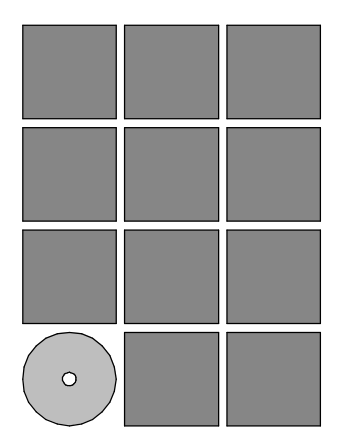


10 RK1 DSP I/O PATCH PANEL
SCALE: NTS



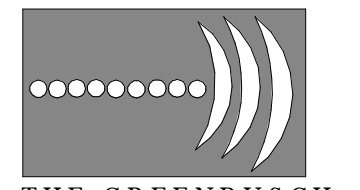
11 RK1 LOUDSPEAKER 'AV3' PATCH PANELS
SCALE: NTS

6/14/2022 1:02:16 PM J:\2020\2020.064 Centennial Hall\AV\Centennial Hall - AV - R20.rvt



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CBJ Project No. BE22-204
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SHEET TITLE
AV DETAILS

DATE: 6/14/2022
FILE:

AV701

RK1 EQUIPMENT RACK

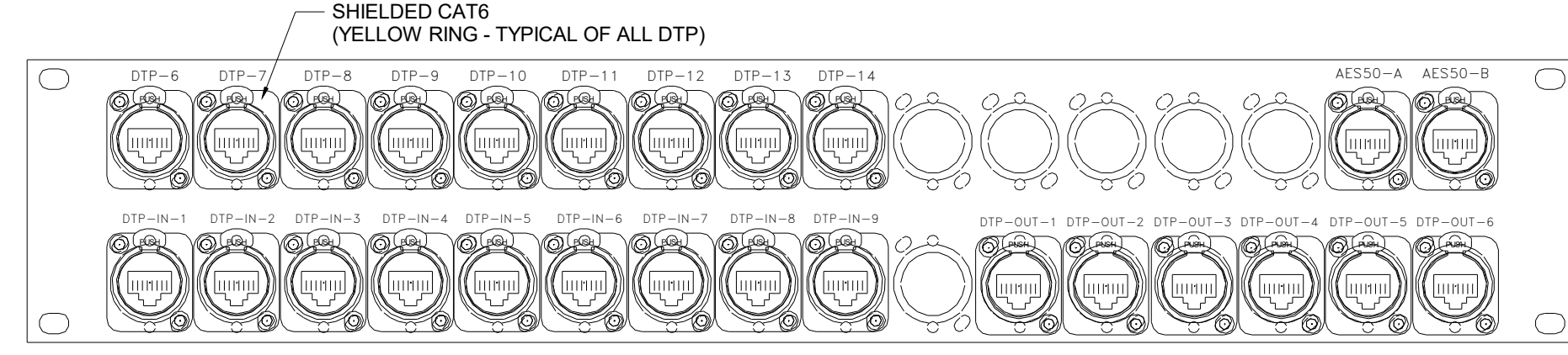
	Rack A	Rack B	Rack C	Rack D		
78.75"	45	ALS TRANSMITTER	1RU BLANK	2RU BLANK	1	1.75"
77"	44	1RU BLANK	DANTE NETWORK SWITCH		2	3.5"
75.25"	43	LOUDSPEAKER NETWORK SWITCH	DANTE NETWORK SWITCH		3	5.25"
73.5"	42	1RU BLANK	1RU BLANK		4	7"
71.75"	41	LOUDSPEAKER NETWORK SWITCH	QLAN NETWORK SWITCH	SDI PATCH PANEL (FROM AV1 PANELS)	5	8.75"
70"	40	1RU BLANK	QLAN NETWORK SWITCH		6	10.5"
68.25"	39	LOUDSPEAKER NETWORK SWITCH	2RU BLANK		7	12.25"
66.5"	38	1RU BLANK			8	14"
64.75"	37	RK1 DTP INPUT / AES50 PATCH PANEL	CAT6 PATCH PANEL (FROM AV1 PANELS)		9	15.75"
63"	36				10	17.5"
61.25"	35	RK1 'AV2' OUTPUT PATCH PANEL	AUDIO DSP		11	19.25"
59.5"	34				12	21"
57.75"	33	[OFF] CLEARCOM INTERCOM	DSP I/O PATCH PANEL		13	22.75"
56"	32				14	24.5"
54.25"	31		XLR INPUT PATCH PANEL (FROM AV1 PANELS)		15	26.25"
52.5"	30	VIDEO MATRIX SWITCH	XLR OUTPUT PATCH PANEL (FROM AV1 PANELS)		16	28"
50.75"	29				17	29.75"
49"	28			OPEN	18	31.5"
47.25"	27	2RU SHELF			19	33.25"
45.5"	26	1RU BLANK		CONTROL TOUCH PANEL	20	35"
43.75"	25	HDMI I/O PANEL	2RU SHELF		21	36.75"
42"	24				22	38.5"
40.25"	23	1RU PULL OUT SHELF	1RU BLANK	OPEN	23	40.25"
38.5"	22				24	42"
36.75"	21	3RU BLANK	AUDIO MIXER	2RU SHELF	25	43.75"
35"	20				26	45.5"
33.25"	19	2RU BLANK	2RU BLANK	2RU BLANK	27	47.25"
31.5"	18				28	49"
29.75"	17				29	50.75"
28"	16	4RU DRAWER	4RU DRAWER	4RU DRAWER	30	52.5"
26.25"	15				31	54.25"
24.5"	14				32	56"
22.75"	13	2RU DRAWER w/ (MICROPHONES IN FOAM)	2RU DRAWER w/ (MICROPHONES IN FOAM)	2RU DRAWER w/ (MICROPHONES IN FOAM)	33	57.75"
21"	12				34	59.5"
19.25"	11	2RU BLANK	2RU BLANK	2RU BLANK	35	61.25"
17.5"	10				36	63"
15.75"	9	1RU VENT	1RU VENT	1RU VENT	37	64.75"
14"	8	POWER AMPLIFIER	POWER AMPLIFIER	POWER AMPLIFIER	38	66.5"
12.25"	7				39	68.25"
10.5"	6	1RU VENT	1RU VENT	1RU VENT	40	70"
8.75"	5	POWER AMPLIFIER	POWER AMPLIFIER	POWER AMPLIFIER	41	71.75"
7"	4				42	73.5"
5.25"	3	1RU VENT	1RU VENT	1RU VENT	43	75.25"
3.5"	2	POWER AMPLIFIER	POWER AMPLIFIER	POWER AMPLIFIER	44	77"
1.75"	1				45	78.75"

1 NOTE: PROVIDE (6) CONVENIENCE OUTLETS PER RACK
N.T.S.

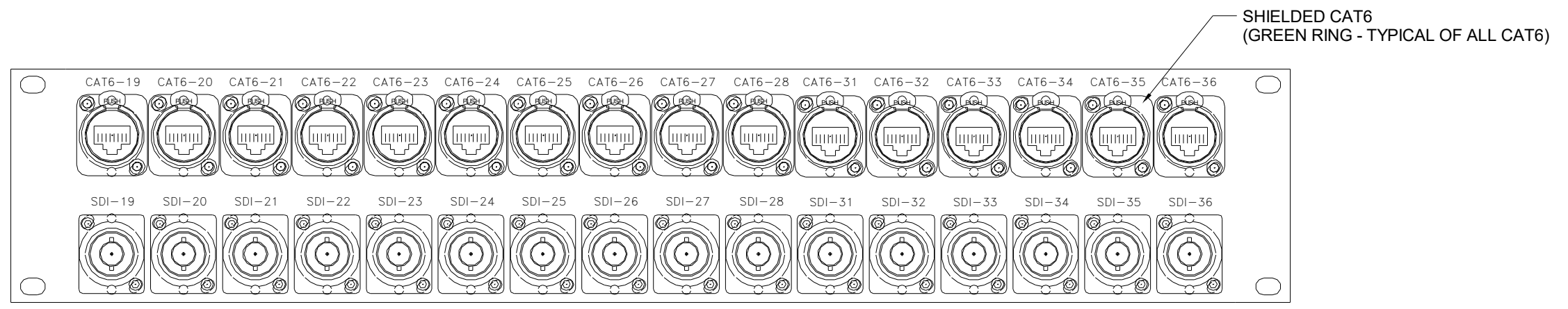
RK2 EQUIPMENT RACK

43.75"	25	LOUDSPEAKER NETWORK SWITCH	1	1.75"
42"	24	DANTE NETWORK SWITCH	2	3.5"
40.25"	23	RK2 PATCH PANEL FO RK1 PATCH	3	5.25"
38.5"	22		4	7"
36.75"	21		5	8.75"
35"	20	AUDIO MIXER	6	10.5"
33.25"	19		7	12.25"
31.5"	18		8	14"
29.75"	17	VIDEO MATRIX SWITCH	9	15.75"
28"	16		10	17.5"
26.25"	15		11	19.25"
24.5"	14	RK2 DTP INPUT / AES50 PATCH PANEL	12	21"
22.75"	13		13	22.75"
21"	12	RK2 PATCH PANEL 'AV1' CAT6/SDI INPUTS & RK1 PATCH	14	24.5"
19.25"	11		15	26.25"
17.5"	10	RK2 PATCH PANEL 'AV1' XLR I/O & RK1 PATCH	16	28"
15.75"	9		17	29.75"
14"	8	RK2 MIXER PATCH PANEL	18	31.5"
12.25"	7		19	33.25"
10.5"	6	RK2 PATCH PANEL 'AV2' OUTPUTS	20	35"
8.75"	5		21	36.75"
7"	4	WIRELESS MICROPHONE RECEIVER	22	38.5"
5.25"	3	WIRELESS MICROPHONE RECEIVER	23	40.25"
3.5"	2	WIRELESS MICROPHONE RECEIVER	24	42"
1.75"	1	ALS TRANSMITTER	25	43.75"

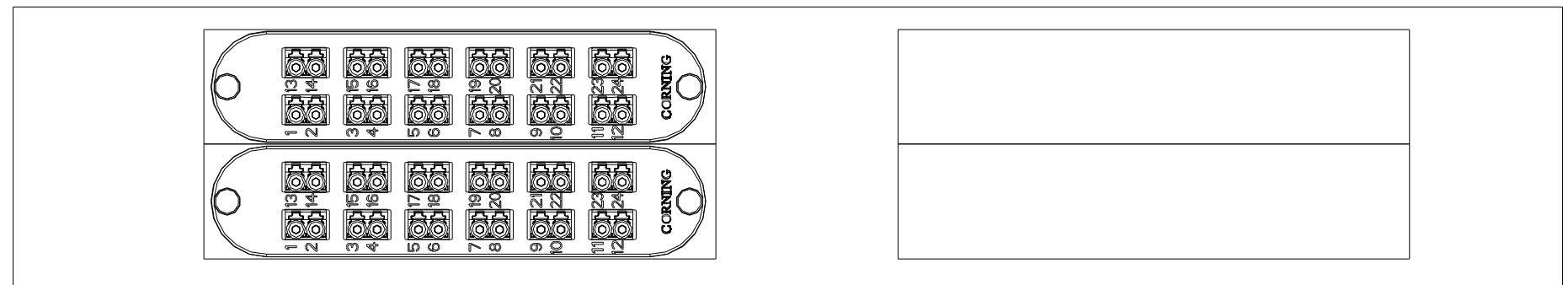
2 NOTE: PROVIDE (6) CONVENIENCE OUTLETS PER RACK
N.T.S.



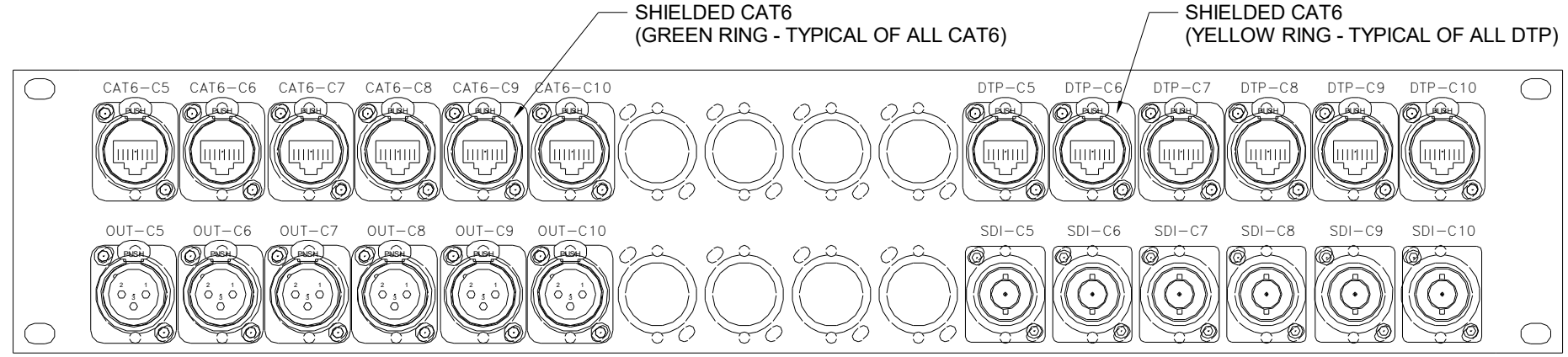
3 RK2 DTP INPUT / AES50 PATCH PANEL
SCALE: NTS



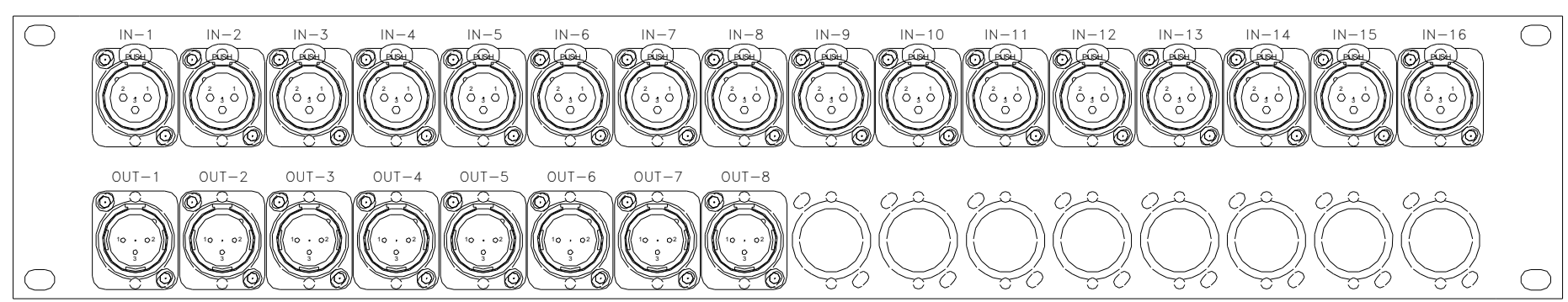
4 RK2 'AV1' PATCH PANELS
SCALE: NTS



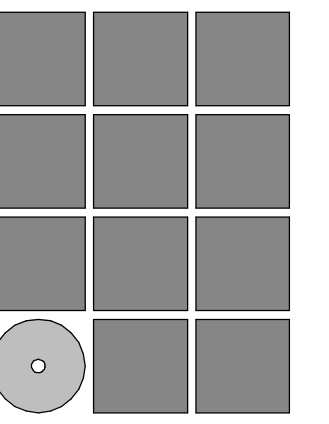
5 RK2 FO PATCH PANEL
SCALE: NTS



6 RK2 'AV2' PATCH PANELS
SCALE: NTS

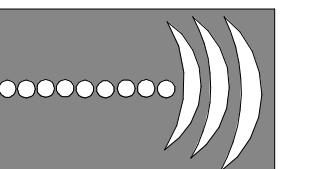


7 RK2 MIXER I/O PANEL
SCALE: NTS



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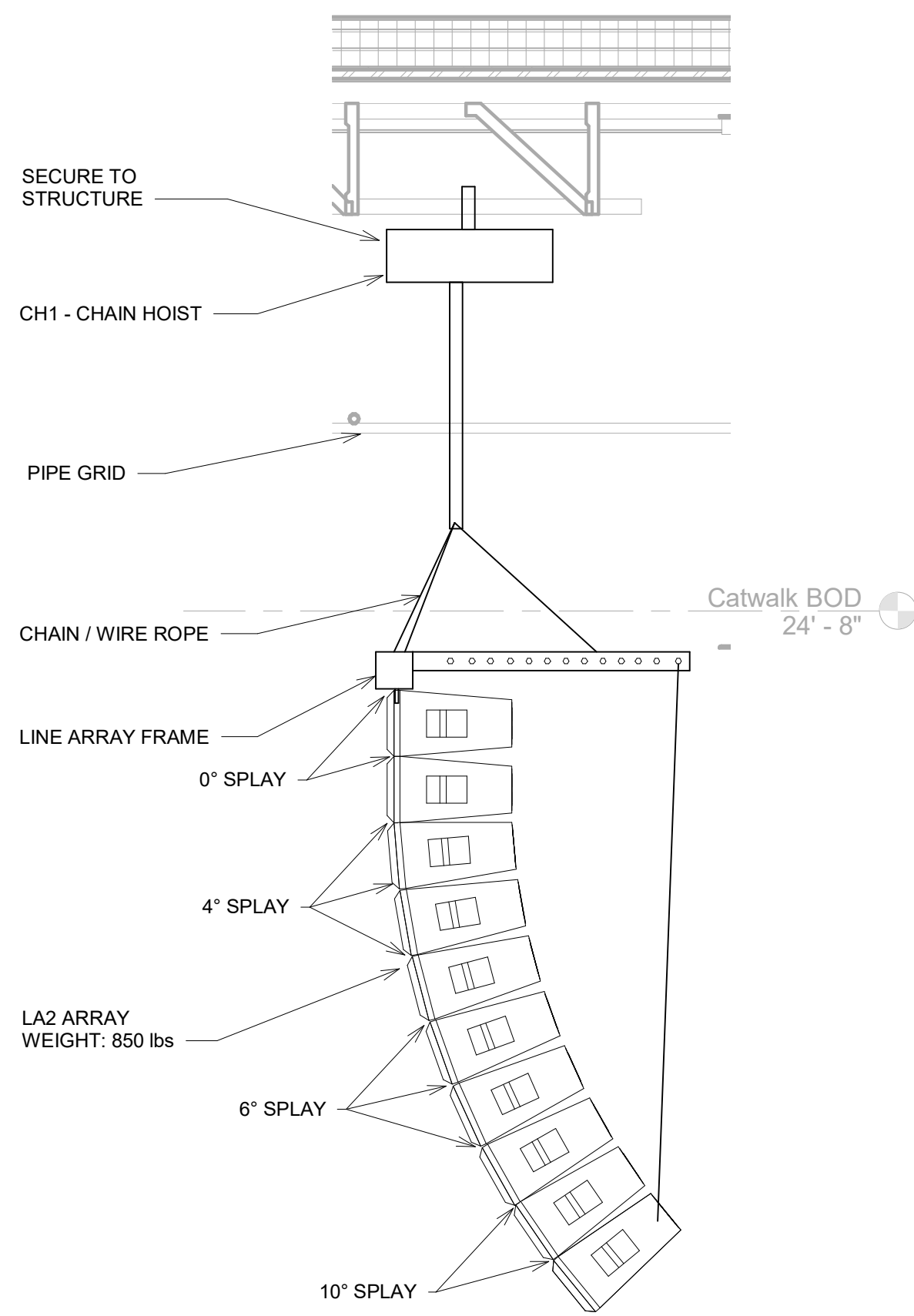
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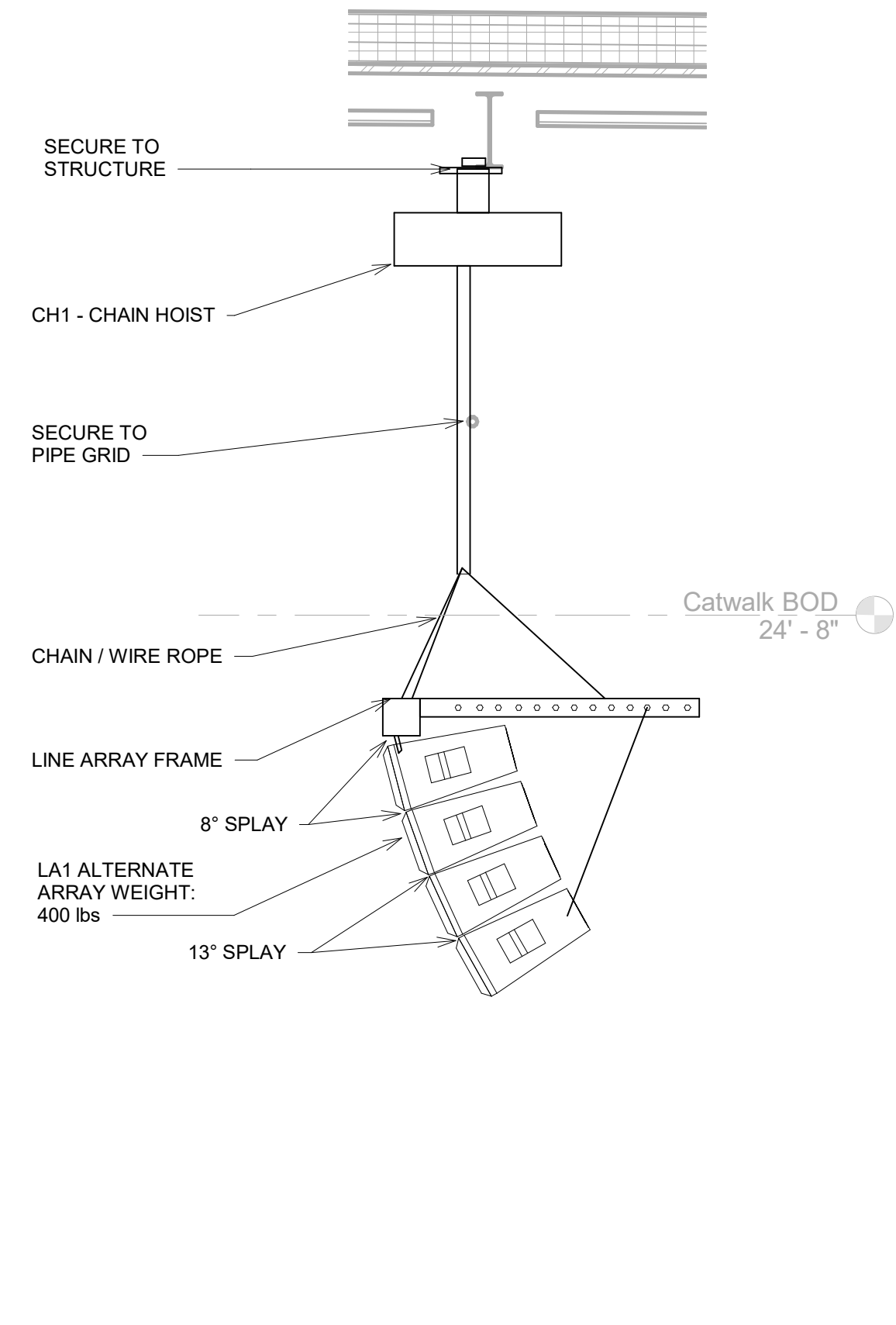
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SHEET TITLE
AV DETAILS

DATE: 6/14/2022
FILE:

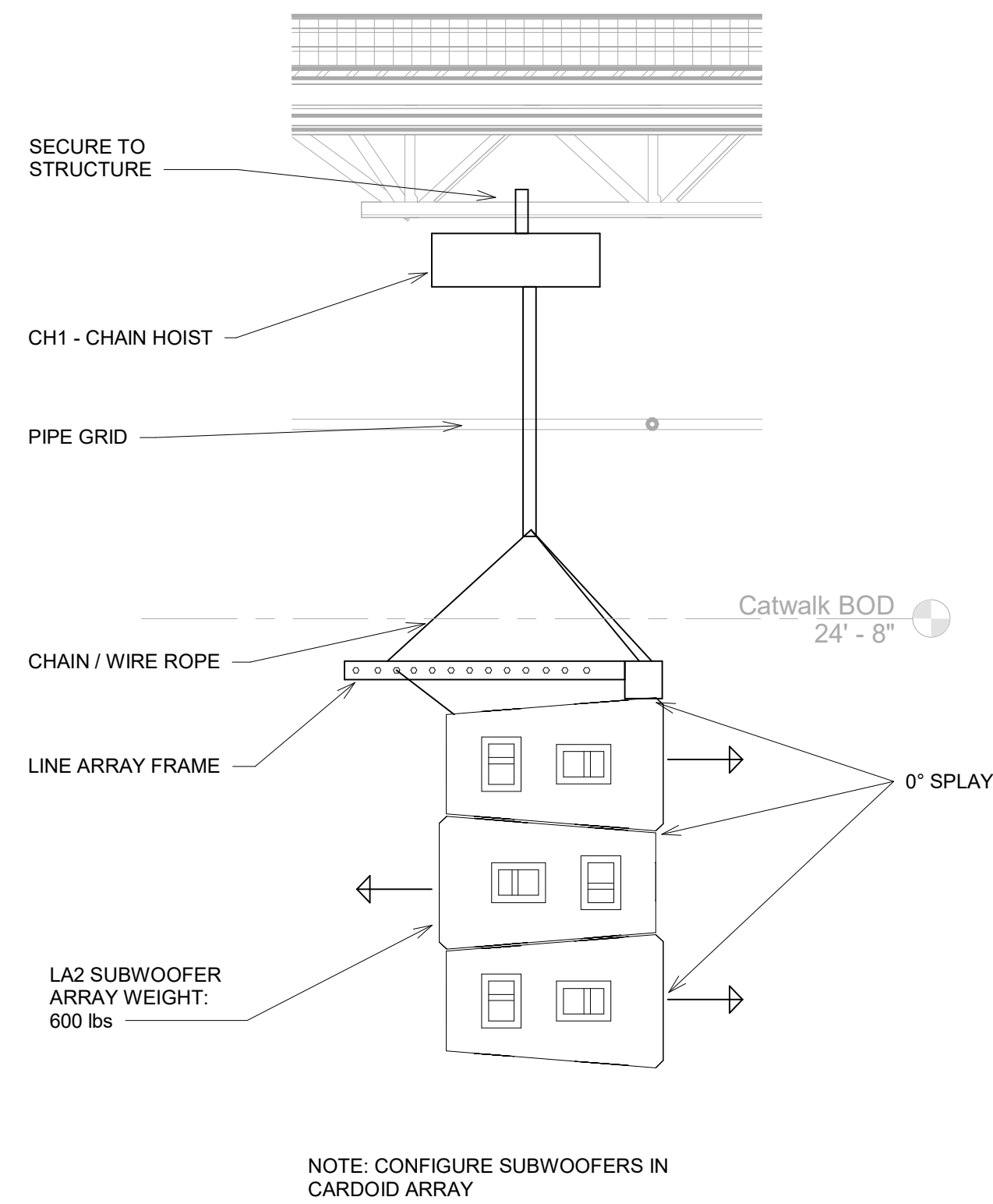
AV702



1 LA1 - MOUNTING DETAIL
1/2" = 1'-0"

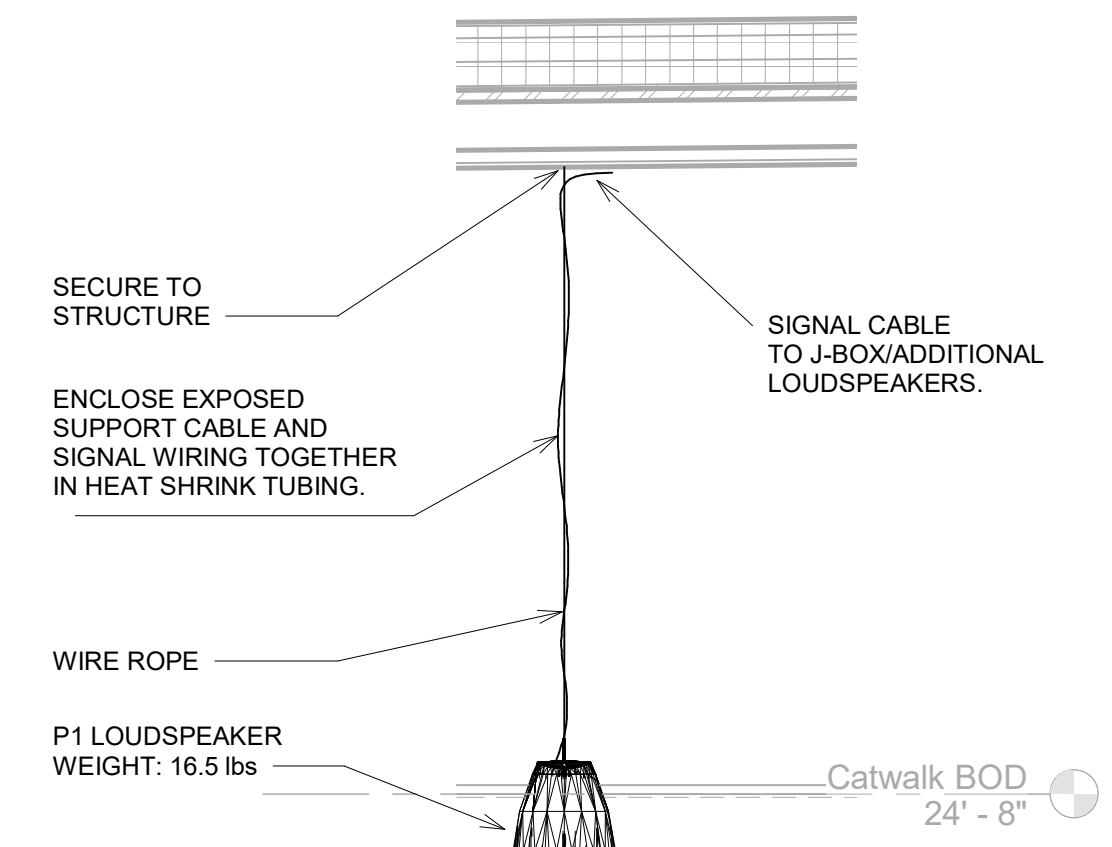


2 LA1 - ALTERNATE MOUNTING DETAIL
1/2" = 1'-0"

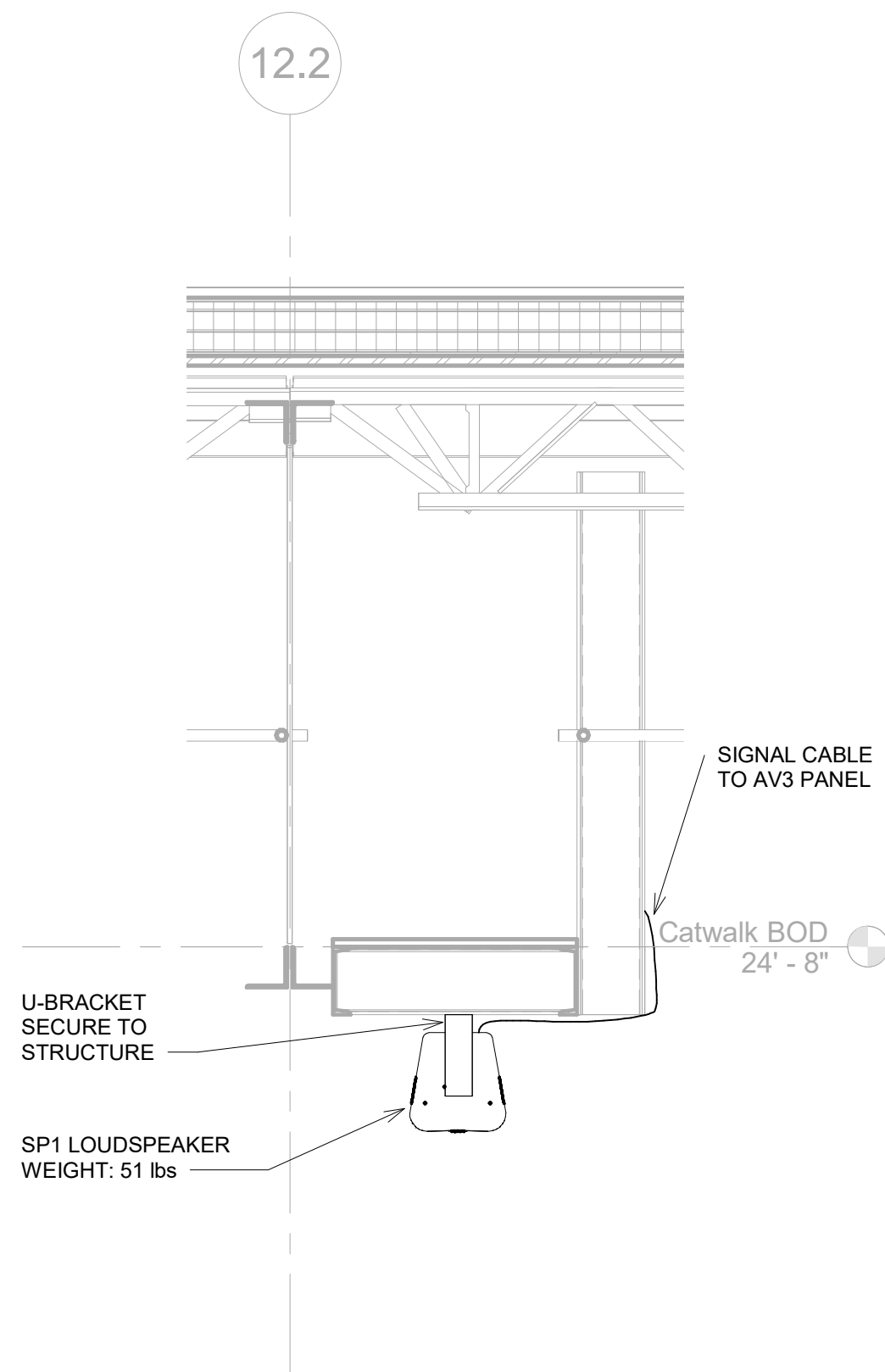


3 LA2 - MOUNTING DETAIL
1/2" = 1'-0"

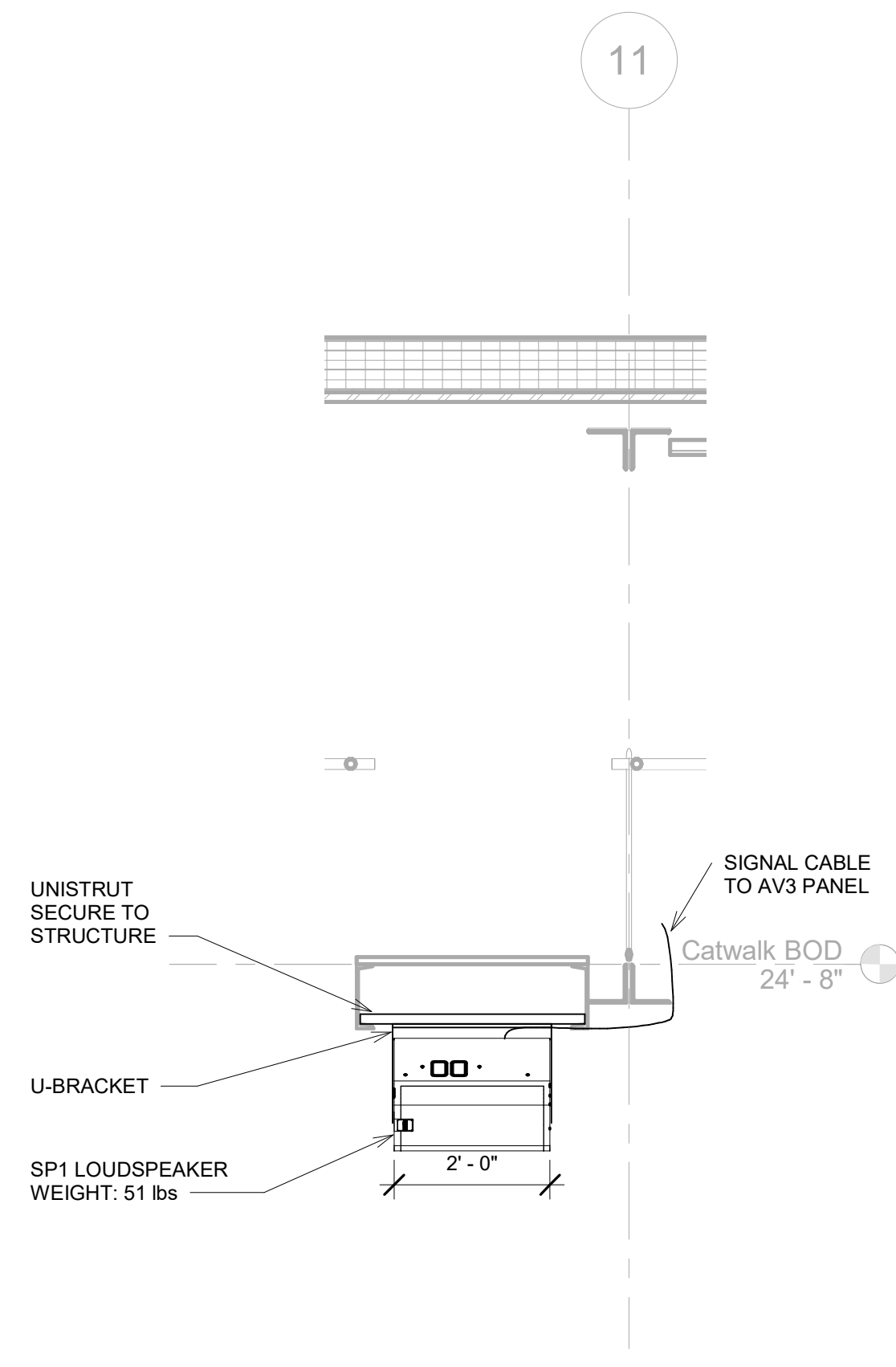
NOTE: CONFIGURE SUBWOOFERS IN CARDOID ARRAY



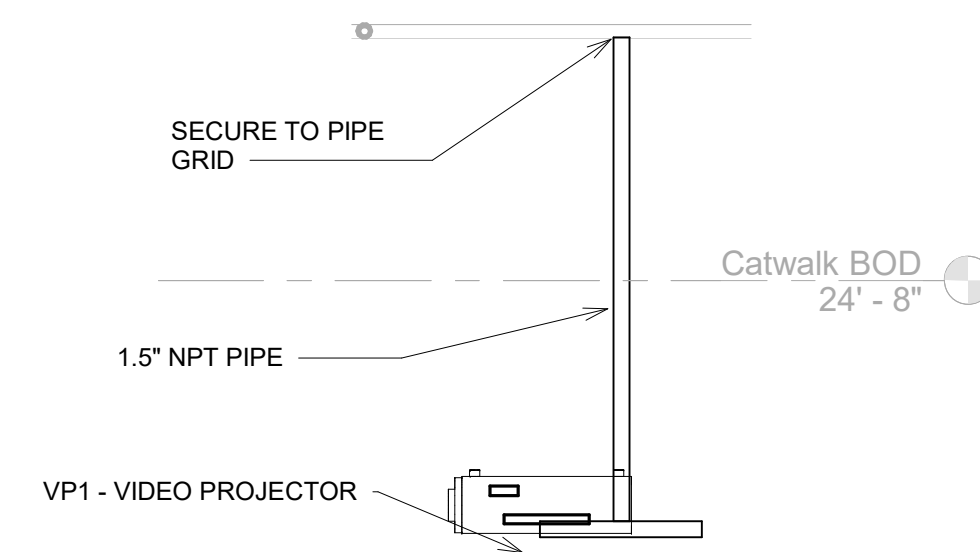
4 P1 - MOUNTING DETAIL
1/2" = 1'-0"



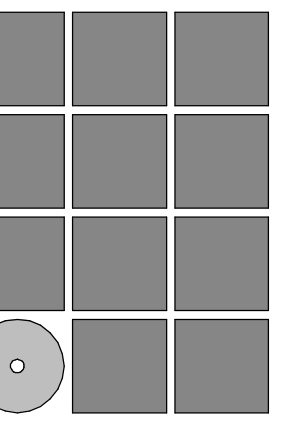
5 SP1 - FRONT FILL MOUNTING DETAIL
1/2" = 1'-0"



6 SP1 - CENTER CLUSTER MOUNTING DETAIL
1/2" = 1'-0"

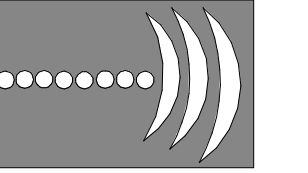


7 VP1 - MOUNTING DETAIL
1/2" = 1'-0"



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AV DETAILS

DATE: 6/14/2022

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AV703