RATIO

KING COLE BUILDING HOTEL

Indianapolis, IN

VOLUME 2

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VOLUME
2

RATIO PROJECT NO.
19048.000

OWNER PROJECT NO.
12345

DATE
02/28/25

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RATIO PROJECT NO.	PACKAGE	DATE	SET NO.	VOLUME
19048.000	100% CDs	02/28/25		2

PROJECT NAME: KING COLE BUILDING HOTEL

RATIO

DRAWING INDEX VOLUME 1

G-002.A	SHEET INDEX
G-003	LIFE SAFETY PLANS AND CODE SUMMARY
G-004	LIFE SAFETY PLANS
G-005	LIFE SAFETY PLANS
C-100	EXISTING CONDITIONS
C-101	DEMOLITION PLAN
C-200	SITE LAYOUT
C-500	SITE UTILITY PLAN
R-100	SHEET IDENTIFICATION
R-200	EAST AND NORTH ELEVATION REPAIRS
R-201	WEST ELEVATION CORNICE REPAIRS
R-202	PARTIAL WEST ELEVATION REPAIRS
R-203	PARTIAL WEST ELEVATION REPAIRS
R-204	PARTIAL WEST ELEVATION REPAIRS
R-205	SOUTH AND PARTIAL EAST ELEVATION REPAIRS
R-500	TYPICAL REPAIRS
R-501	ORIGINAL TERRA COTTA DETAILS 1st AND 2nd FLOORS
R-502	ORIGINAL TERRA COTTA DETAILS 3rd AND 4th FLOORS
R-503	ORIGINAL TERRA COTTA DETAILS 10th FLOOR AND CORNICE
R-504	ORIGINAL TERRA COTTA DETAILS MAIN ENTRANCE
S-100	GENERAL NOTES
S-100A	DESIGN INFORMATION
S-101	FOUNDATION PLAN
S-102	BASEMENT & SUB-BASEMENT
S-301	FIRST & SECOND FLOOR FRAMING PLANS
S-302	THIRD & FOURTH FLOOR FRAMING PLANS
S-303	FIFTH & SIXTH FLOOR FRAMING PLANS
S-304	SEVENTH & EIGHTH FLOOR FRAMING PLANS
S-305	NINTH & TENTH FLOOR FRAMING PLANS
S-306	ELEVENTH & ROOF BAR FLOOR FRAMING PLANS
S-307	BAR ROOF FRAMING PLAN & ELEV MR/PH
S-501	FRAMING SECTIONS & DETAILS
S-502	FRAMING SECTIONS & DETAILS
S-503	FRAMING SECTIONS & DETAILS
S-504	FRAMING SECTIONS & DETAILS
S-505	FRAMING SECTIONS & DETAILS
S-506	FRAMING SECTIONS & DETAILS
S-507	FRAMING SECTIONS BRACING ELEVATIONS
S-590	FRAMING SECTIONS & DETAILS
A-001	GENERAL NOTES, SYMBOLS, AND STANDARD MOUNTING HEIGHTS
A-002	INTERIOR PARTITION TYPES AND STANDARD PARTITION DETAILS
AD-101	BASEMENT, FIRST, SECOND AND THIRD LEVEL DEMOLITION PLANS
AD-102	FOURTH, FIFTH, SIXTH AND SEVENTH LEVEL DEMOLITION PLANS
AD-103	EIGHTH, NINTH, TENTH AND ELEVENTH LEVEL DEMOLITION PLANS
A-100	SUB-BASEMENT AND BASEMENT FLOOR PLANS
A-101	FIRST AND SECOND FLOOR PLAN
A-102	THIRD AND FOURTH FLOOR PLANS
A-103	FIFTH AND SIXTH FLOOR PLANS
A-104	SEVENTH AND EIGHTH FLOOR PLANS
A-105	NINTH AND TENTH FLOOR PLANS
A-106	ELEVENTH AND ROOF BAR PLANS
A-107	ROOF PLANS
A-108	BAY WINDOW
A-131	SUB-BASEMENT AND BASEMENT REFLECTED CEILING PLAN
A-132	FIRST AND SECOND REFLECTED CEILING PLANS
A-133	THIRD AND FOURTH REFLECTED CEILING PLANS
A-134	FIFTH AND SIXTH REFLECTED CEILING PLANS
A-135	SEVENTH AND EIGHTH REFLECTED CEILING PLANS
A-136	NINTH AND TENTH REFLECTED CEILING PLANS
A-137	ELEVENTH AND ROOF BAR REFLECTED CEILING PLANS
A-201	EXTERIOR ELEVATIONS - WEST AND SOUTH
A-202	EXTERIOR ELEVATIONS - EAST AND NORTH
A-203	EXTERIOR ELEVATIONS - ROOFTOP BAR
A-204	PERSPECTIVE- ROOFTOP BAR
A-301	BUILDING SECTIONS
A-302	BUILDING SECTIONS
A-303	BUILDING SECTIONS
A-321	WALL SECTIONS - EXISTING
A-322	WALL SECTIONS - EXISTING
A-323	WALL SECTIONS - ROOFTOP BAR
A-324	RAILING SECTIONS AND DETAILS - ROOFTOP BAR
A-350	EXTERIOR DETAILS - FIRST FLOOR
A-351	EXTERIOR DETAILS - FIRST FLOOR
A-352	EXTERIOR DETAILS
A-353	EXTERIOR PLAN DETAILS - ROOFTOP BAR
A-354	EXTERIOR DETAILS - ROOFTOP BAR
A-402	ENLARGED PLANS - GUEST ROOMS SECOND FLOOR
A-403	ENLARGED PLANS - GUEST ROOMS SECOND FLOOR
A-404	ENLARGED PLANS - GUEST ROOMS
A-405	ENLARGED PLANS - GUEST ROOMS
A-406	ENLARGED PLANS - GUEST ROOMS
A-407	ENLARGED PLANS - GUEST ROOMS SIXTH FLOOR
A-408	ENLARGED PLANS - GUEST ROOMS
A-411	ENLARGED RESTROOM PLANS
A-421	STAIR PLANS AND SECTIONS - STAIR 2, 4
A-422	STAIR PLANS AND SECTIONS -STAIR 5
A-424	STAIR PLANS, SECTIONS AND DETAILS

DRAWING INDEX VOLUME 1

A-425	ELEVATOR PLANS AND SECTIONS
A-501	INTERIOR ELEVATIONS
A-502	INTERIOR ELEVATIONS
A-520	INTERIOR DETAILS - BOH
A-521	INTERIOR DETAILS - PUBLIC AND GUEST ROOMS
A-601	DOOR SCHEDULE
A-602	DOOR DETAILS
A-621	WINDOW ELEVATIONS AND DETAILS
A-622	CURTAIN WALL ELEVATIONS AND DETAILS - ROOFTOP BAR
A-623	INTERIOR STOREFRONT DETAILS
A-650	FINISH SCHEDULE
A-700	SUB-BASEMENT AND BASEMENT FINISH PLANS
A-701	FIRST AND SECOND FINISH PLAN
A-702	THIRD AND FOURTH FINISH PLANS
A-703	FIFTH AND SIXTH FINISH PLANS
A-704	SEVENTH AND EIGHTH FINISH PLANS
A-705	NINTH AND TENTH FINISH PLANS
A-706	ELEVENTH AND ROOF BAR FINISH PLANS
A-800	BOH FURNITURE PLAN
A-910	SIGNAGE TYPES

DRAWING INDEX VOLUME 2

G-002.B	SHEET INDEX
FP100	SUB-BASEMENT AND BASEMENT FLOOR FIRE PROTECTION PLANS
FP101	FIRST AND SECOND FLOOR FIRE PROTECTION PLANS
FP102	THIRD AND FOURTH FLOOR FIRE PROTECTION PLANS
FP103	FIFTH AND SIXTH FLOOR FIRE PROTECTION PLANS
FP104	SEVENTH AND EIGHTH FLOOR FIRE PROTECTION PLANS
FP105	NINTH AND TENTH FLOOR FIRE PROTECTION PLANS
FP106	ELEVENTH FLOOR AND ROOF BAR FIRE PROTECTION PLANS
FP501	FIRE PROTECTION SCHEDULES AND DETAILS
PD100	SUB BASEMENT PLUMBING DEMO PLAN
PD101	BASEMENT FLOOR PLUMBING DEMO PLAN
P-100U	SUB-BASEMENT UNDER FLOOR PLUMBING PLAN
P-100	SUB-BASEMENT AND BASEMENT FLOOR PLUMBING PLANS
P-101	FIRST AND SECOND FLOOR PLUMBING PLANS
P-102	THIRD AND FOURTH FLOOR PLUMBING PLANS
P-103	FIFTH AND SIXTH FLOOR PLUMBING PLANS
P-104	SEVENTH AND EIGHTH FLOOR PLUMBING PLANS
P-105	NINTH AND TENTH FLOOR PLUMBING PLANS
P-106	ELEVENTH FLOOR AND ROOF BAR FLOOR PLUMBING PLANS
P-301	PLUMBING ENLARGED PLANS
P-302	PLUMBING ENLARGED PLANS
P-303	PLUMBING ENLARGED PLANS
P-501	PLUMBING SCHEDULES
P-601	PLUMBING DETAILS
P-602	PLUMBING DETAILS
P-401	PLUMBING RISER DIAGRAM
P-901	ISOMETRIC DRAWINGS
M-000	MECHANICAL SYMBOLS, LEGENDS & ABBREVIATIONS
HD102	SECOND FLOOR HVAC DEMOLITION PLAN
H-100	SUB-BASEMENT AND BASEMENT FLOOR HVAC PLANS
H-101	FIRST AND SECOND FLOOR HVAC PLANS
H-102	THIRD AND FOURTH FLOOR HVAC PLANS
H-103	FIFTH AND SIXTH FLOOR HVAC PLANS
H-104	SEVENTH AND EIGHTH FLOOR HVAC PLANS
H-105	NINTH AND TENTH FLOOR HVAC PLANS
H-106	ELEVENTH FLOOR AND ROOF BAR HVAC PLANS
HP100	SUB-BASEMENT AND BASEMENT FLOOR HVAC PIPING PLANS
HP101	FIRST AND SECOND FLOOR HVAC PIPING PLANS
HP102	THIRD AND FOURTH FLOOR HVAC PIPING PLANS
HP103	FIFTH AND SIXTH FLOOR HVAC PIPING PLANS
HP104	SEVENTH AND EIGHTH FLOOR HVAC PIPING PLANS
HP105	NINTH AND TENTH FLOOR HVAC PIPING PLANS
H-301	ENLARGED HVAC PLANS
H-302	SECTIONS
H-401	HVAC RISER DIAGRAMS
H-402	HVAC RISER DIAGRAMS & EQUIPMENT DETAILS
H-501	HVAC SCHEDULES
H-502	HVAC SCHEDULES
H-503	HVAC SCHEDULES
H-601	HVAC DETAILS
L-00	BASEMENT LIGHTING PLAN
L-01	FIRST LEVEL LIGHTING PLAN
L-02	SECOND LEVEL LIGHTING PLAN
L-03	THIRD LEVEL LIGHTING PLAN
L-06	ROOF DECK LIGHTING PLAN
L-08	OADICHEDULE
E-000	ELECTRICAL SYMBOLS AND ABBREVIATIONS
ED101	SUB-BASEMENT AND BASEMENT ELECTRICAL DEMO PLANS
ED102	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
EP101	SUB-BASEMENT AND BASEMENT POWER & SIGNAL FLOOR PLANS
EP102	FIRST AND SECOND FLOOR POWER & SIGNAL PLANS
EP103	THIRD - TENTH POWER AND SIGNAL FLOOR PLANS
EP104	ELEVENTH FLOOR POWER AND SIGNAL PLAN
EP105	ROOF BAR FLOOR POWER AND SIGNAL PLANS
EL101	SUB BASEMENT AND BASMENT FLOOR LIGHTING PLAN
EL102	FIRST AND SECOND FLOOR LIGHTING PLAN
EL103	THIRD THROUGH TENTH FLOOR LIGHTING PLAN
EL104	ELEVENTH FLOOR AND ROOF BAR LIGHTING PLAN
EL501	LIGHTING LOAD SCHEDULES

DRAWING INDEX VOLUME 2

EL502	LIGHTING FIXTURE SCHEDULES
E-301	ELECTRICAL ENLARGED GUEST ROOM PLANS
E-302	ELECTRICAL ENLARGED GUEST ROOM PLANS
E-303	ELECTRICAL ENLARGED GUEST ROOM PLANS
E-401	ELECTRICAL RISER DIAGRAM
E-501	ELECTRICAL SCHEDULES
E-502	ELECTRICAL SCHEDULES
E-503	ELECTRICAL SCHEDULES
E-504	ELECTRICAL SCHEDULES
E-505	ELECTRICAL SCHEDULES
E-506	ELECTRICAL SCHEDULES
E-801	ELECTRICAL ENLARGED MODEL ROOMS PLANS
LD-101	LAUNDRY EQUIPMENT PLAN AND SCHEDULE
LD-201	LAUNDRY EQUIPMENT PLAN AND SCHEDULE
K100	FOODSERVICE GENERAL NOTES & SHEET INDEX
K101	FOODSERVICE LAYOUT 1ST LEVEL
K102	FOODSERVICE LAYOUT 11TH LEVEL
K103	FOODSERVICE LAYUOT ROOF DECK HIGH POINT
K104	FOODSERVICE SPECIAL CONDITIONS LAYOUT 1ST LEVEL
K105	FOODSERVICE SPECIAL CONDITIONS LAYOUT 11TH LEVEL
K106	FOODSERVICE SPECIAL CONDITIONS LAYOUT ROOF DECK HIGH POINT
K200	FOODSERVICE EQUIPMENT SCHEDULE
K201	FOODSERVICE EQUIPMENT SCHEDULE
K300	FOODSERVICE PLUMBING LAYOUT 1ST LEVEL
K301	FOODSERVICE PLUMBING LAYOUT 11TH LEVEL
K302	FOODSERVICE PLUMBING LAYOUT ROOF DECK HIGH POINT
K303	FOODSERVICE ELECTRICAL LAYOUT 1ST LEVEL
K304	FOODSERVICE ELECTRICAL LAYOUT 11TH LEVEL
K305	FOODSERVICE ELECTRICAL LAYOUT ROOF DECK HIGH POINT
AV-000	COVER SHEET - AV SYSTEMS
AV-001	LEGEND SHEET - AV SYSTEMS
AV-100	SUB-BASEMENT AND BASEMENT FLOOR PLANS -AV SYSTEMS
AV-101	FIRST FLOOR PLAN -AV SYSTEMS
AV-106	ELEVENTH AND ROOF BAR PLANS -AV SYSTEMS
AV-800	EQUIPMENT ROOM REFERENCE DV9.00 -AV SYSTEMS
AV-801	EQUIPMENT & CONNECTIVITY SHEET A -AV SYSTEMS
AV-802	EQUIPMENT & CONNECTIVITY SHEET B -AV SYSTEMS
AV-901	DETAIL SHEET -AV SYSTEMS
DV-000	COVER SHEET -DATA/VOICE
DV-001	SYMBOL & LEGEND SHEET -DATA/VOICE
DV-100	SUB-BASEMENT AND BASEMENT FLOOR PLANS -DATA/VOICE
DV-101	FIRST AND SECOND FLOOR PLAN -DATA/VOICE
DV-102	THIRD AND FOURTH FLOOR PLANS -DATA/VOICE
DV-103	FIFTH AND SIXTH FLOOR PLANS -DATA/VOICE
DV-104	SEVENTH AND EIGHTH FLOOR PLANS -DATA/VOICE
DV-105	NINTH AND TENTH FLOOR PLANS -DATA/VOICE
DV-106	ELEVENTH AND ROOF BAR PLANS -DATA/VOICE
DV-108	ROOF PLANS -DATA/VOICE
DV-400	TYPICAL GUESTROOM LAYOUTS -DATA/VOICE
DV-900	ENLARGED EQUIPMENT ROOM LAYOUTS -DATA/VOICE
DV-901	CONDUIT RISER DIAGRAM -DATA/VOICE
DV-902	DATA RISER DIAGRAM -DATA/VOICE
DV-903	MATV RISER DIAGRAM -DATA/VOICE
DV-904	FIRST RESPONDERS RISER DIAGRAM -DATA/VOICE
DV-905	DAS RISER DIAGRAM -DATA/VOICE
DV-906	GROUNDING RISER DIAGRAM -DATA/VOICE
DV-907	SECURITY INSTALLATION DETAILS -DATA/VOICE
DV-908	ADDITIONAL HSIA REQUIREMENTS -DATA/VOICE
DV-909	ELEVATION DETAILS -DATA/VOICE
DV-910	INSTALLATION DETAILS -DATA/VOICE

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SEAL | DATE 02/28/25

WILLIAM A. BROWNE JR. REGISTERED No. AR00034154 STATE OF INDIANA ARCHITECT

SHEET ISSUE

1	50% CDs	01/24/25
2	100% CDs	02/28/25

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PROJECT NO. 19048.000

SHEET TITLE
SHEET INDEX

SHEET NUMBER
G-002.B

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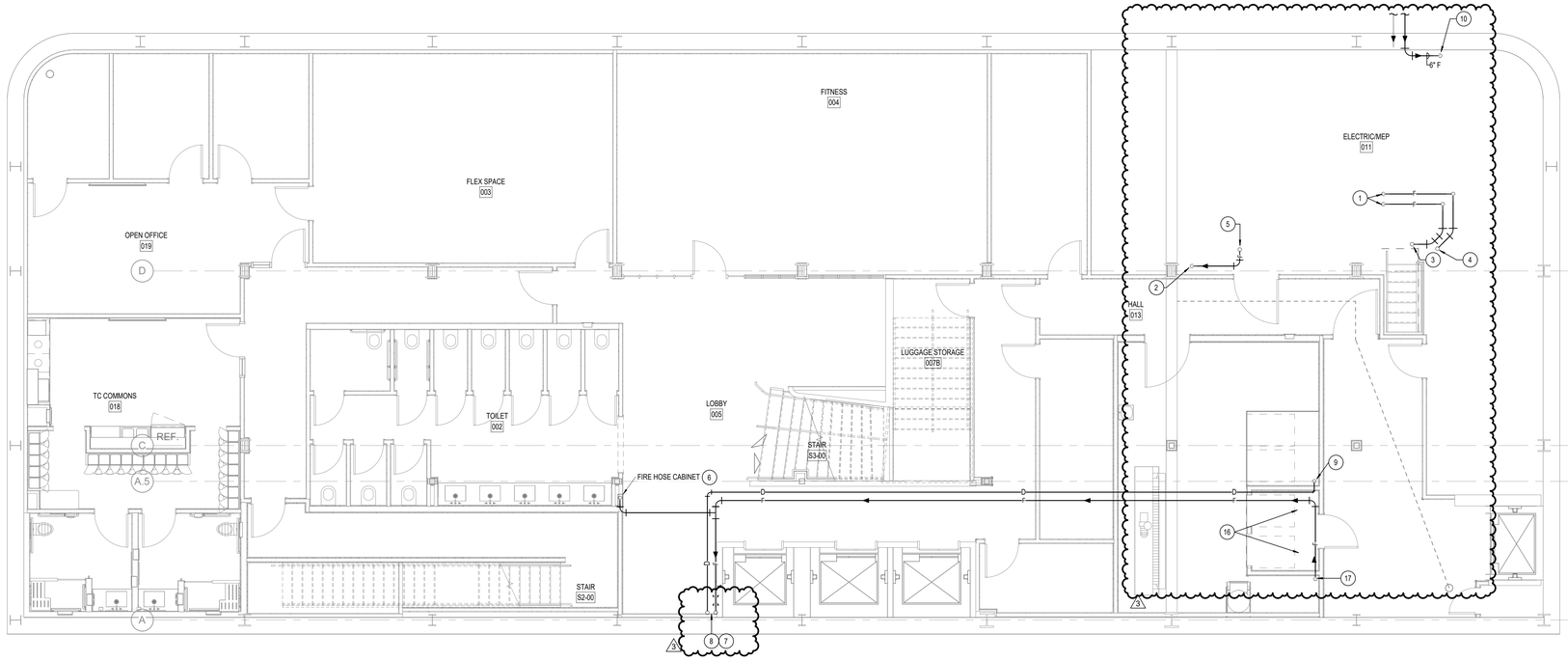
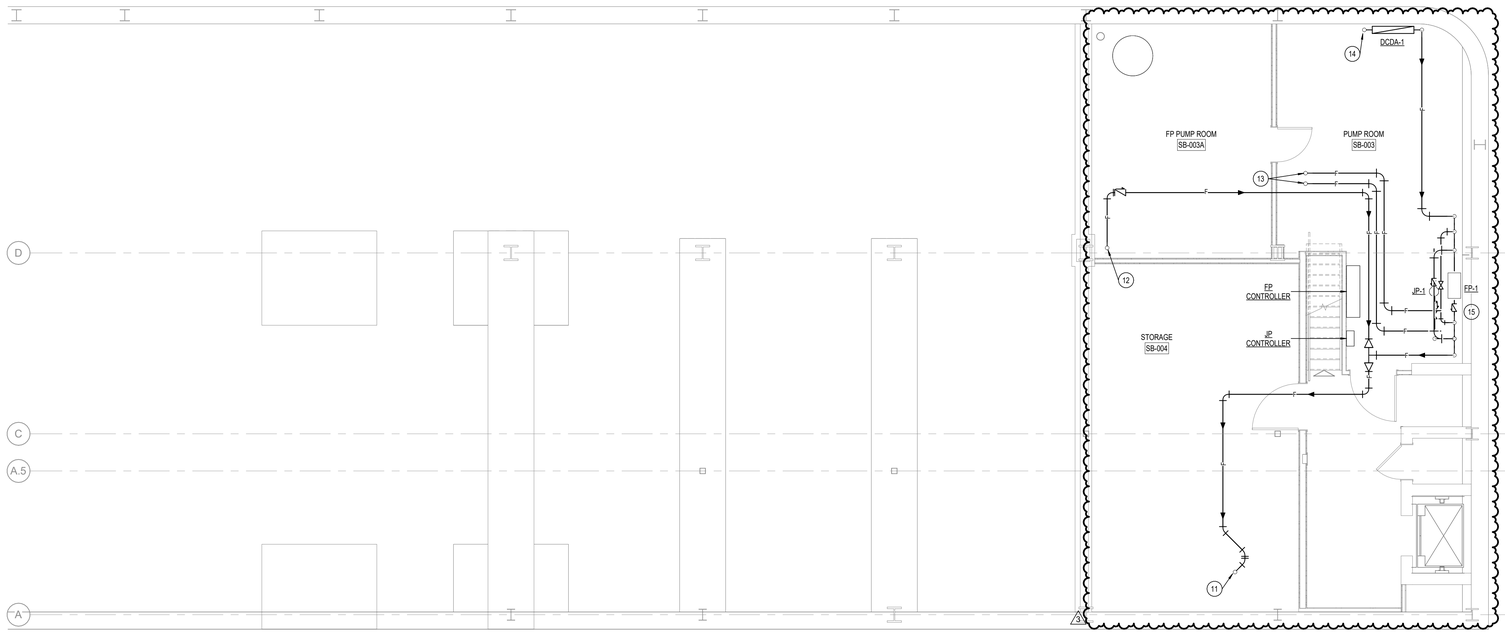


2 BASEMENT FLOOR FIRE PROTECTION PLAN

3/16" = 1'-0"

0 4' 8' 12'

N



1 SUB-BASEMENT FIRE PROTECTION PLAN

3/16" = 1'-0"

0 4' 8' 12'

N

FIRE PROTECTION NOTES:

A. REFER TO SHEET M-000 FOR GENERAL SYMBOLS AND ABBREVIATIONS.
B. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE AND SHALL CONFORM WITH ALL FEDERAL, STATE AND LOCAL CODES AND STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, THE SAME AS IF REPEATED HEREIN.
C. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS AND BOTH ARE INTENDED TO BE COMPLIMENTARY - ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
D. THE CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT AND SHALL EXAMINE THE SCOPE OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.
E. CONSTUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMATICALLY AND IN SOME CASES, ENLARGED FOR CLARITY. ANY OFFSETS, ADDITIONAL FITTINGS AND/OR APPURTENANCES REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM SHALL BE BORNE BY THE CONTRACTOR.
F. PROVIDE AND INSTALL AUTOMATIC SPRINKLER SYSTEMS AS REQUIRED IN ALL NEW AREAS UNLESS OTHERWISE NOTED. THE FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND ADJUST HIS WORK ACCORDING TO ANY VARIATIONS OR DEVIATIONS FROM THOSE SHOWN ON THE PLANS.
G. THE DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEMS SHALL CONFORM TO THE NATIONAL FIRE PROTECTION ASSOCIATION CODES (NFPA) STANDARDS AND RECOMMENDED PRACTICES. LATEST EDITIONS ADOPTED BY THE STATE OF INDIANA. ALL APPLICABLE STATE AND LOCAL FIRE PREVENTION BUREAU'S STATUTES AND CODES AND REQUIREMENTS OF OWNER'S INSURANCE UNDERWRITER. INCLUDE ALL PIPE AND FITTINGS, APPROVED WATER FLOW DETECTING ALARM DEVICES, PRESSURE GAUGES, SPRINKLER HEADS, INDICATING VALVES, FIRE DEPARTMENT CONNECTIONS AND OTHER MATERIALS NEED TO PROVIDE A COMPLETE AND OPERABLE CODE COMPLIANT SYSTEM.
H. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN LAYOUT OF THE SPRINKLER SYSTEMS AS REQUIRED FOR THE NEW AND REMODELED AREAS. THE ENTIRE BUILDING SHALL BE SPRINKLED PER INDIANA BUILDING CODES AND NFPA 13, LATEST ENFORCED EDITION. BASED ON THE DATE OF THE CONSTRUCTION DESIGN RELEASE.
I. SPRINKLER PIPING INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES, EQUIPMENT, DUCTWORK, STRUCTURAL STEEL, ELECTRICAL PANELS, RACEWAYS, ARCHITECTURAL DESIGN INTENT, INCLUDING REFLECTED CEILING PLANS AND CEILING TILE DIMENSIONS PRIOR TO INSTALLATION. PIPING NOT COORDINATED MAY NEED TO BE REMOVED AND/OR REPLACED. ANY REMOVAL REQUIRED DUE TO INCOMPLETE COORDINATION, SHALL BE DONE BY THE SPRINKLER CONTRACTOR, ALL COST SHALL BE BORNE BY THE SPRINKLER CONTRACTOR.
J. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESS TO SHUT-OFF VALVES, CONTROL VALVES, DRAIN VALVES, ETC. LOCATED ABOVE NON-ACCESSIBLE CEILINGS. COORDINATE LOCATION OF ACCESS PANELS WITH ARCHITECT/ENGINEER.
K. ALL ELECTRICAL AND MECHANICAL ROOMS SHALL BE SPRINKLED WITH HIGH TEMPERATURE SPRINKLER HEADS.
L. NO PIPING SHALL BE ROUTED OVER OR THRU ELECTRICAL OR IT CLOSETS. UNLESS IT IS TO SERVICE EQUIPMENT OR DEVICES IN THE SPACE.
M. WATER FLOW TEST DATA IS THE FIRE PROTECTION CONTRACTORS RESPONSIBILITY TO ENSURE ADEQUACY OF FLOW AND PRESSURE.
N. REFER TO THE ARCHITECTURAL PLANS. PROVIDE SPRINKLERS ABOVE AND BELOW SUSPENDED CEILING CLOUDS.
O. REFER TO THE ARCHITECTURAL LIFE SAFETY PLANS.
P. PROVIDE SPRINKLER PROTECTION FOR EXTERIOR BALCONIES AND PATIOS WHERE A ROOF OR BALCONY OCCURS ABOVE.
Q. GRAVITY TRASH CHUTES SHALL BE PROTECTED INTERNALLY BY AUTOMATIC SPRINKLERS. A SPRINKLER SHALL BE INSTALLED AT OR ABOVE THE TOP SERVICE OPENING AT THE CHUTE, ALTERNATE FLOOR LEVELS AND AT THE LOWEST CHUTE THROUGH WHICH THE MATERIALS TRAVEL.

SHEET PLAN NOTES

1 FIRE LINE(S) DOWN TO SUB-BASEMENT.
2 4" FIRE PROTECTION LINE FROM F.D.C. DOWN TO SUB-BASMENT MECHANICAL ROOM.
3 6" FIRE LINE UP TO POST INDICATOR VALVE.
4 FIRE LINE UP TO PUMP TEST HEADER.
5 4" FIRE PROTECTION LINE UP TO EXISTING F.D.C.
6 PROVIDE A FIRE HOSE CABINET LINE POTTER ROEMER #1810-A-AL WITH A 2 1/2" HOSE VALVE, CAP AND CHAIN CENTERED AT 48" A.F.F.
7 PROVIDE AN AUTOMATIC ZONE CONTROL ASSEMBLY WITH INSPECTORS TEST STATION. PROVIDE DRAIN LINE DOWN.
8 6" FIRE PROTECTION ON CLASS 1 STANDPIPE UP AND DOWN.
9 DRAIN TO DISCHARGE INTO DRAIN TROUGH.
10 6" INCOMING FIRE PROTECTION LINE DOWN TO SUB-BASEMENT.
11 FIRE PROTECTION RISER UP.
12 FIRE PROTECTION LINE UP FOR FDC CONNECTION IN BASEMENT..
13 FIRE PROTECTION LINES UP FOR PIV AND FIRE PUMP TEST HEAD CONNECTIONS IN BASEMENT.
14 6" INCOMING FIRE PROTECTION LINE FROM ABOVE.
15 REFER TO DETAIL 1 / FP501 FOR FIRE PUMP PIPING DETAIL.
16 PROVIDE SPRINKLER PIPE DROP FOR GAS DRYER FIRE SUPPRESSION CONNECTION. MAKE FINAL CONNECTION WITH FLEXIBLE HOSE PER MANUFACTURER'S REQUIREMENTS.
17 FIRE PROTECTION RISER DOWN.

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
SUB-BASEMENT AND BASEMENT FLOOR FIRE PROTECTION PLANS

SHEET NUMBER
FP100

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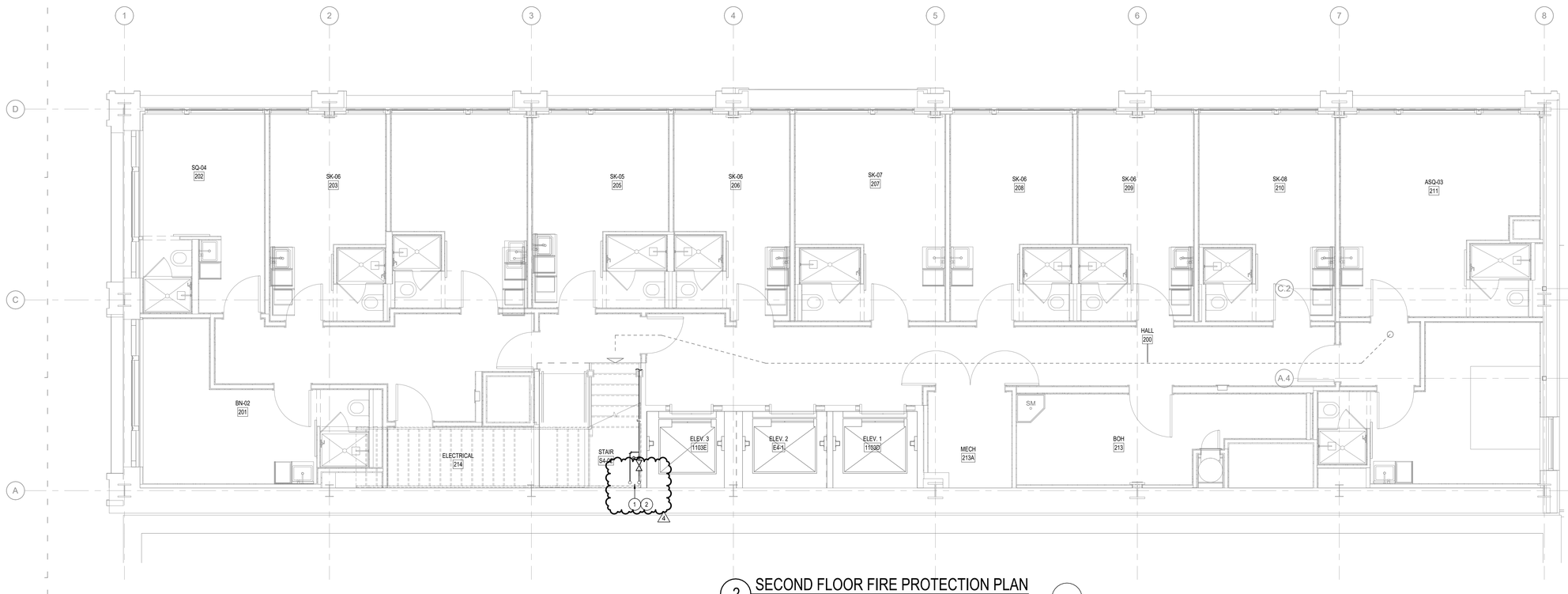
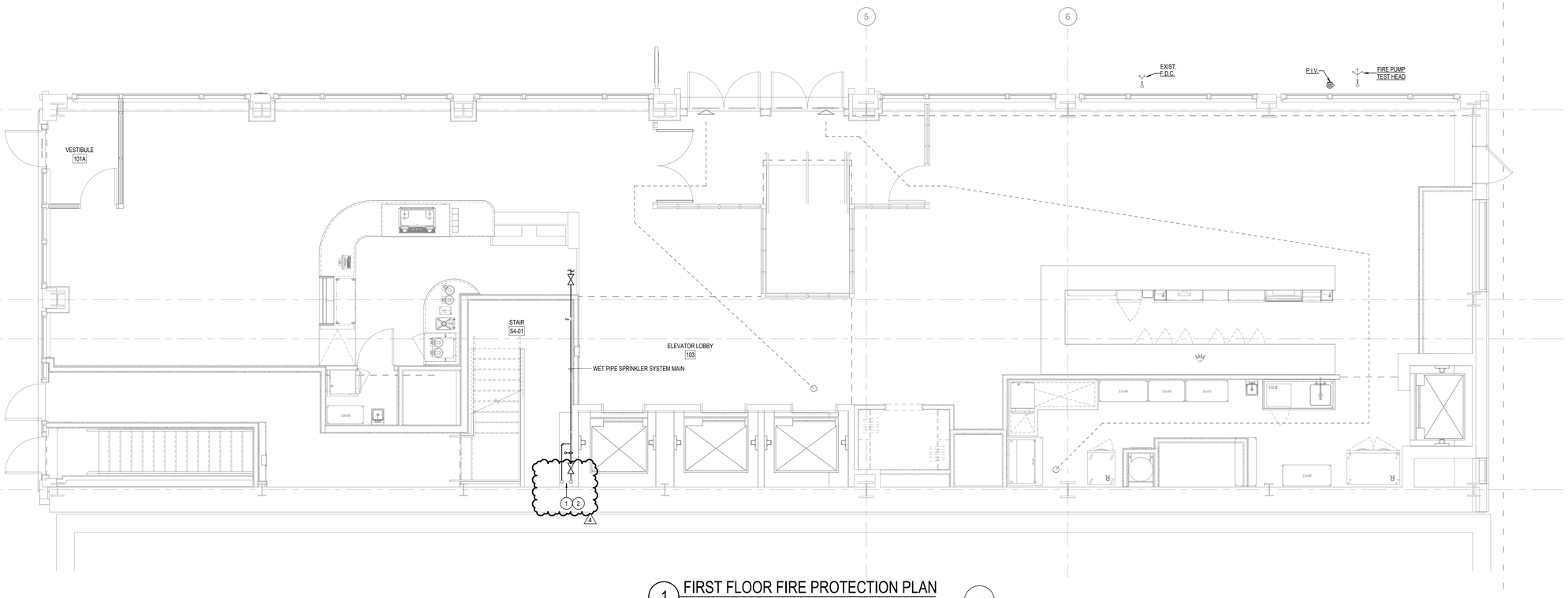


2 SECOND FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 FIRST FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N

FIRE PROTECTION NOTES:

A. REFER TO SHEET M-000 FOR GENERAL SYMBOLS AND ABBREVIATIONS.
B. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE AND SHALL CONFORM WITH ALL FEDERAL, STATE AND LOCAL CODES AND STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, THE SAME AS IF REPEATED HEREIN.
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D. THE CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT AND SHALL EXAMINE THE SCOPE OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.
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F. PROVIDE AND INSTALL AUTOMATIC SPRINKLER SYSTEMS AS REQUIRED IN ALL NEW AREAS UNLESS OTHERWISE NOTED. THE FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND ADJUST HIS WORK ACCORDING TO ANY VARIATIONS OR DEVIATIONS FROM THOSE SHOWN ON THE PLANS.
G. THE DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEMS SHALL CONFORM TO THE NATIONAL FIRE PROTECTION ASSOCIATION CODES (NFPA) STANDARDS AND RECOMMENDED PRACTICES, LATEST EDITIONS ADOPTED BY THE STATE OF INDIANA. ALL APPLICABLE STATE AND LOCAL FIRE PREVENTION BUREAU'S STATUTES AND CODES AND REQUIREMENTS OF OWNER'S INSURANCE UNDERWRITER. INCLUDE ALL PIPE AND FITTINGS, APPROVED WATER FLOW DETECTING ALARM DEVICES, PRESSURE GAUGES, SPRINKLER HEADS, INDICATING VALVES, FIRE DEPARTMENT CONNECTIONS AND OTHER MATERIALS NEED TO PROVIDE A COMPLETE AND OPERABLE CODE COMPLIANT SYSTEM.
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N. REFER TO THE ARCHITECTURAL PLANS. PROVIDE SPRINKLERS ABOVE AND BELOW SUSPENDED CEILING CLOUDS.
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A.4

SHEET PLAN NOTES

1 6" FIRE PROTECTION CLASS 1 STANDPIPE UP AND DOWN WITH 2 1/2" ANGLE VALVE, CAP AND CHAIN LOCATED AT THE INTERMEDIATE STAIR LEVEL, CENTERED AT 48"A.F.F.
2 PROVIDE AN AUTOMATIC ZONE CONTROL ASSEMBLY WITH INSPECTORS TEST STATION. PROVIDE DRAIN LINE DOWN.

4

KING COLE BUILDING HOTEL

1 N. Meridian
Indianapolis, IN 46204

Owner
Indy PropCo LLC
300 North LaSalle Street, Suite 4900
Chicago, IL 60654

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
(317) 633-4040

Structural Engineer Exterior
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(317) 594-5152

Structural Engineer Interior
LAWSON ELSER
650 E. Carmel Dr., Suite 150
Carmel, IN 46032
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Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row Suite 150
Indianapolis, IN 46240
317-781-6200

Civil Engineer
CEC
530 E. Ohio Street, Suite G
Indianapolis, IN 46204
(317) 655-7777

SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10310218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	02/28/2025

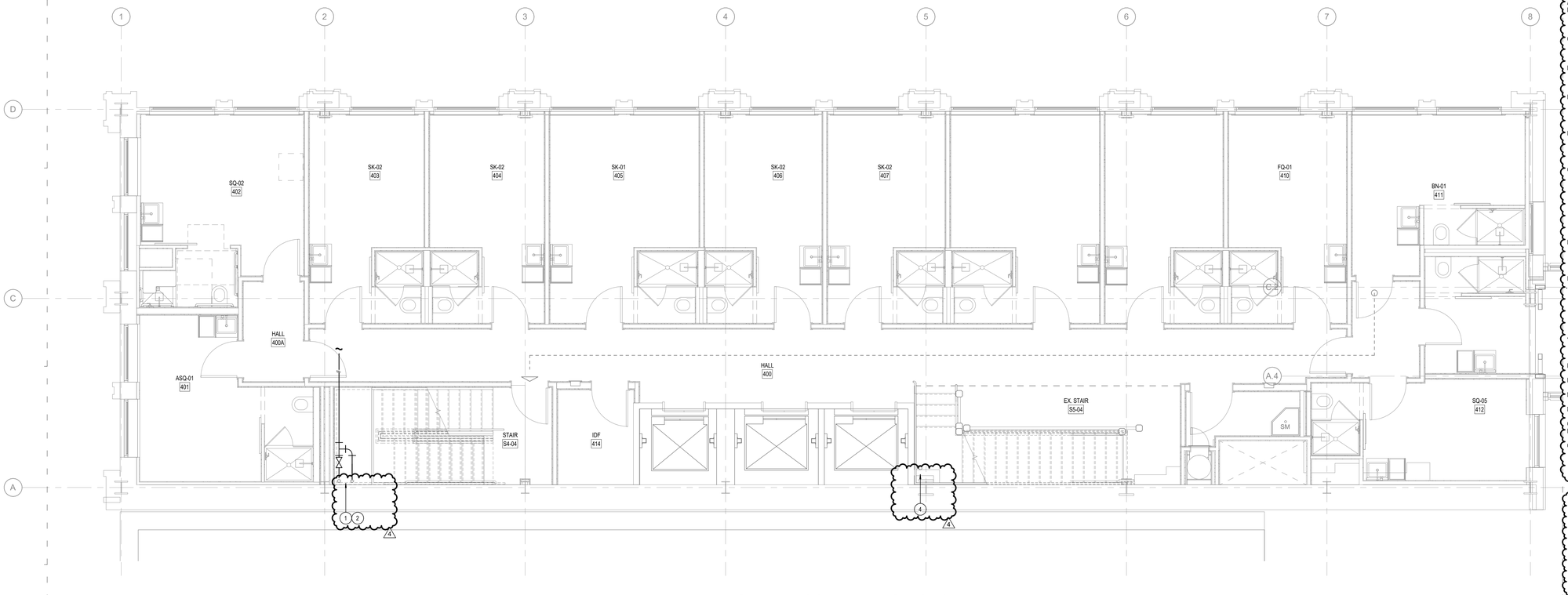
CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
FIRST AND SECOND FLOOR FIRE PROTECTION PLANS

SHEET NUMBER
FP101

2/28/2025 11:59:52 AM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt

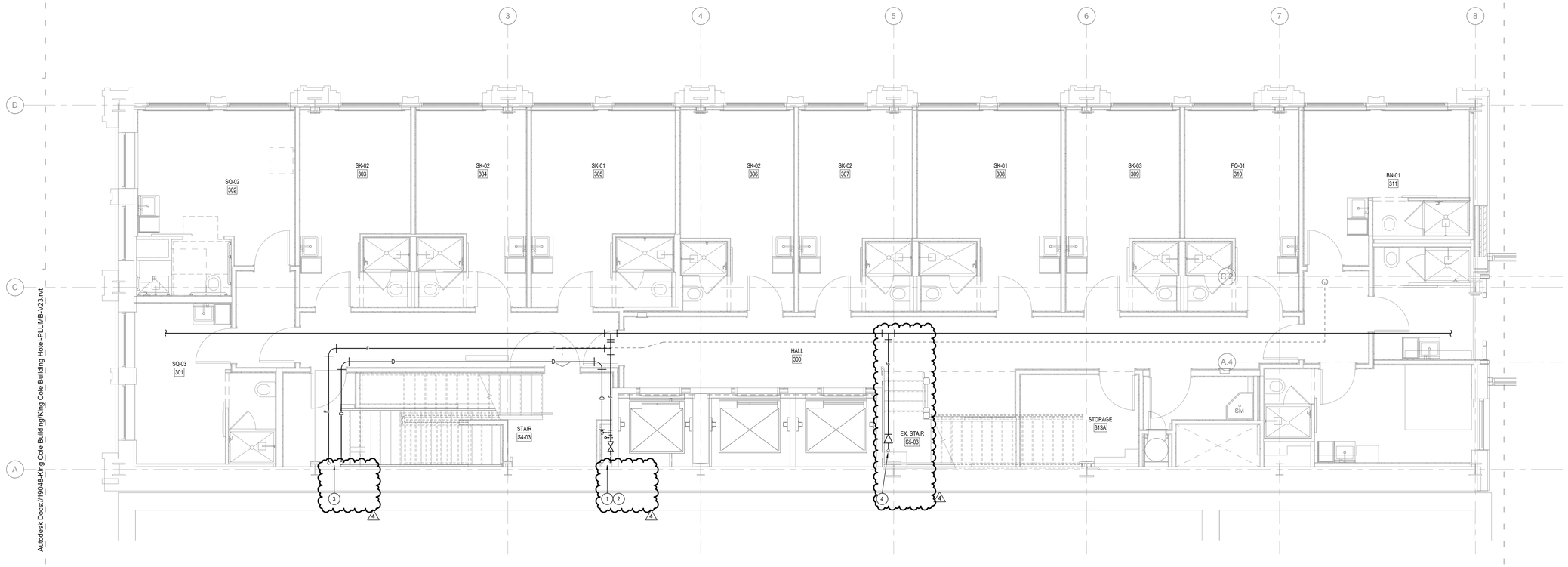


2 FOURTH FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 THIRD FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N

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A.4

SHEET PLAN NOTES

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2 PROVIDE AN AUTOMATIC ZONE CONTROL ASSEMBLY WITH INSPECTORS TEST STATION. PROVIDE DRAIN LINE DOWN.
3 6"FIRE PROTECTION AND DRAIN LINE UP.
4 FIRE PROTECTION CLASS 1 STANDPIPE UP AND DOWN

A.4

KING COLE BUILDING HOTEL

1 N. Meridian
Indianapolis, IN 46204

Owner
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Architect
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Structural Engineer Exterior
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SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10310218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
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4	100% CD	02/28/2025

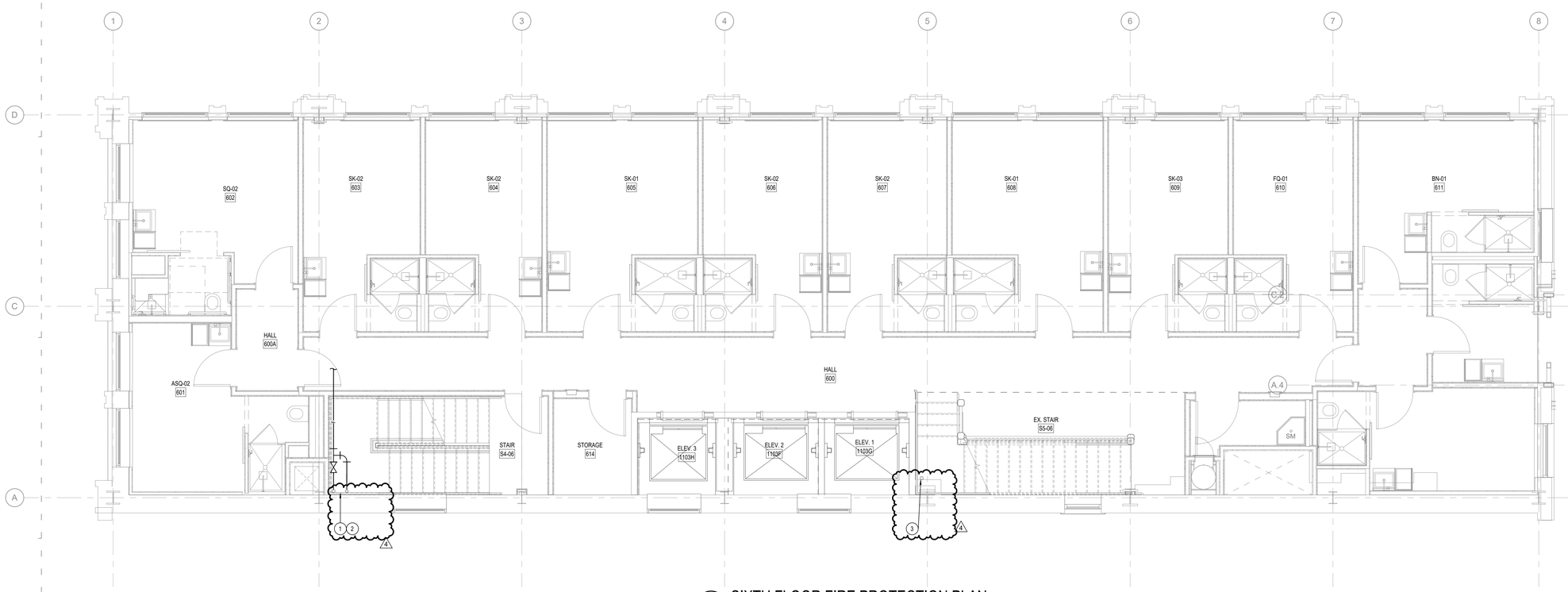
CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
THIRD AND FOURTH FLOOR FIRE PROTECTION PLANS

SHEET NUMBER
FP102

Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt
2/28/2025 11:59:59 AM

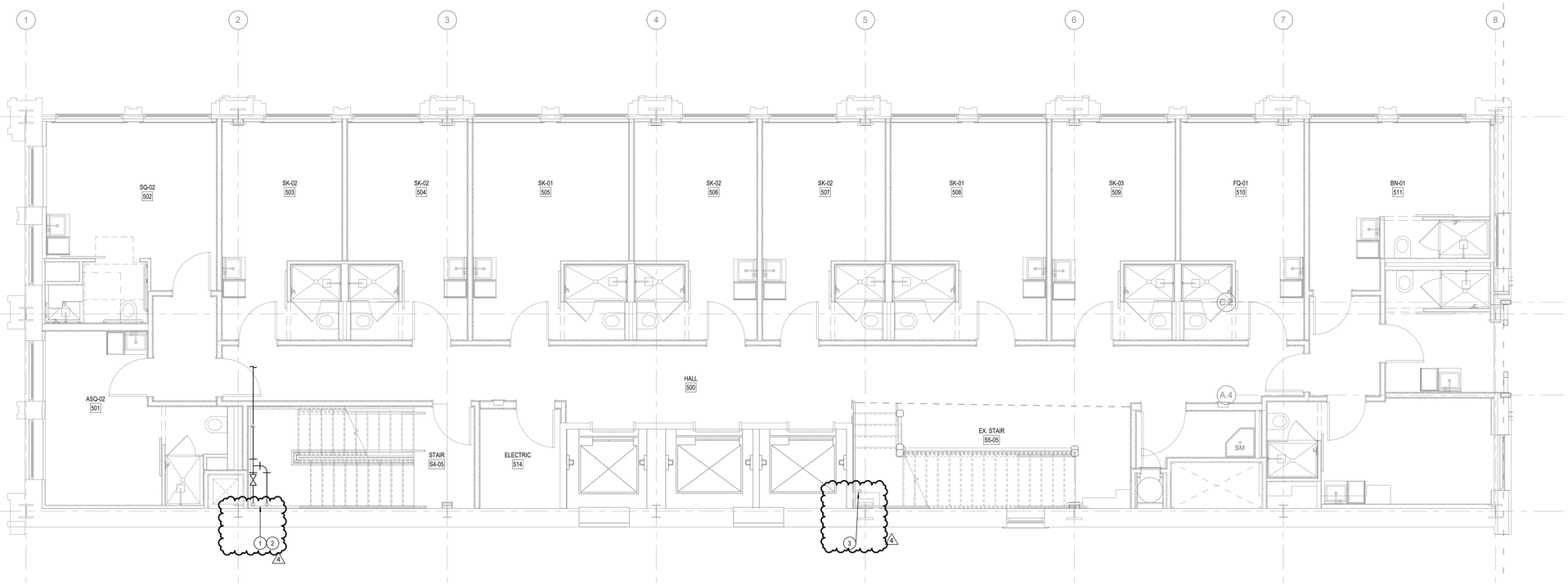


2 SIXTH FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 FIFTH FLOOR FIRE PROTECTION PLAN

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N

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A.4

SHEET PLAN NOTES

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2. PROVIDE AN AUTOMATIC ZONE CONTROL ASSEMBLY WITH INSPECTORS TEST STATION. PROVIDE DRAIN LINE DOWN.
3. FIRE PROTECTION CLASS 1 STANDPIPE UP AND DOWN

A.4

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SEAL | DATE

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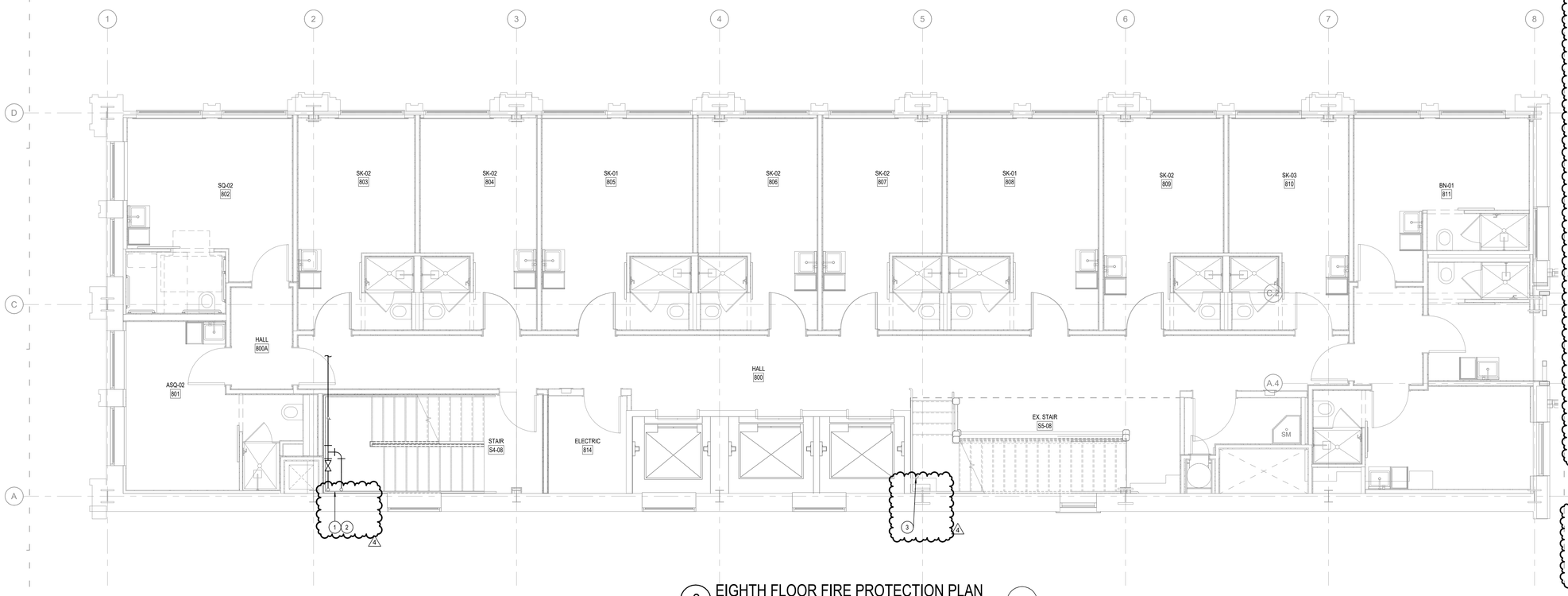
CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
FIFTH AND SIXTH FLOOR FIRE PROTECTION PLANS

SHEET NUMBER
FP103

Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt
2/28/2025 12:00:03 PM

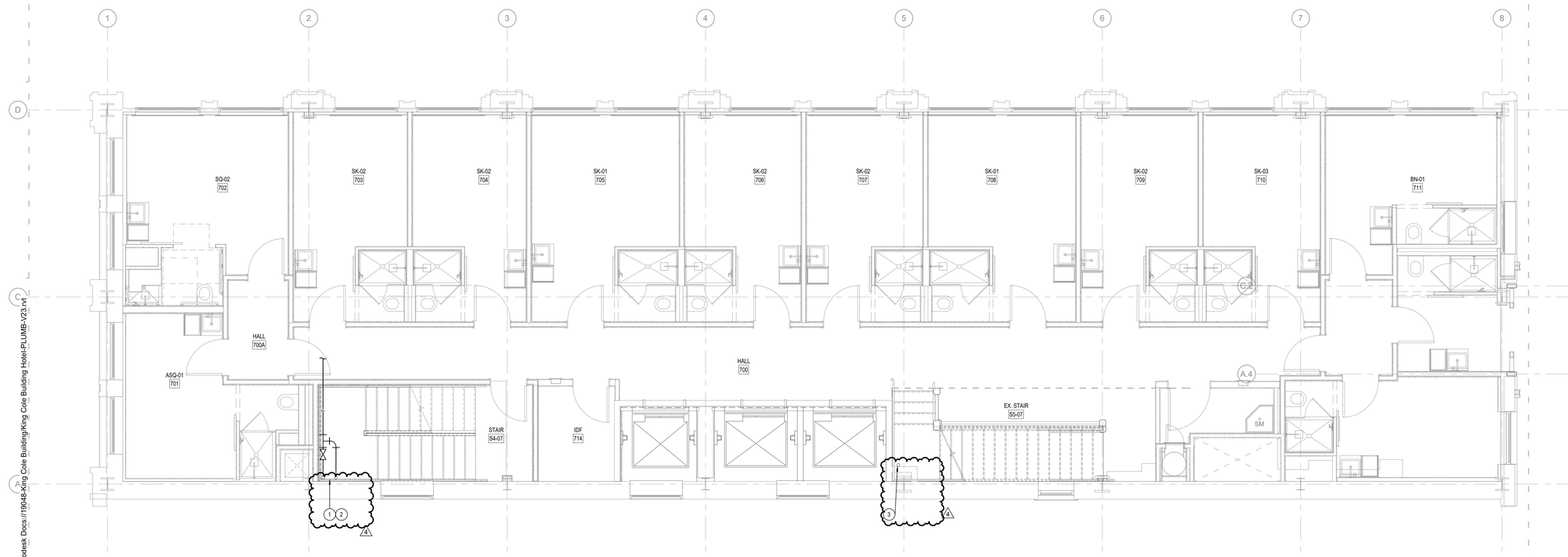


2 EIGHTH FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 SEVENTH FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N

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Q. GRAVITY TRASH CHUTES SHALL BE PROTECTED INTERNALLY BY AUTOMATIC SPRINKLERS. A SPRINKLER SHALL BE INSTALLED AT OR ABOVE THE TOP SERVICE OPENING AT THE CHUTE, ALTERNATE FLOOR LEVELS AND AT THE LOWEST CHUTE THROUGH WHICH THE MATERIALS TRAVEL.

A.4

SHEET PLAN NOTES

1 6" FIRE PROTECTION CLASS 1 STANDPIPE UP AND DOWN WITH 2 1/2" ANGLE VALVE, CAP AND CHAIN LOCATED AT THE INTERMEDIATE STAIR LEVEL, CENTERED AT 48"A.F.F.
2 PROVIDE AN AUTOMATIC ZONE CONTROL ASSEMBLY WITH INSPECTORS TEST STATION. PROVIDE DRAIN LINE DOWN.
3 FIRE PROTECTION CLASS 1 STANDPIPE UP AND DOWN

A.4

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SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10310218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
SEVENTH AND EIGHTH FLOOR FIRE PROTECTION PLANS

SHEET NUMBER
FP104

Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt
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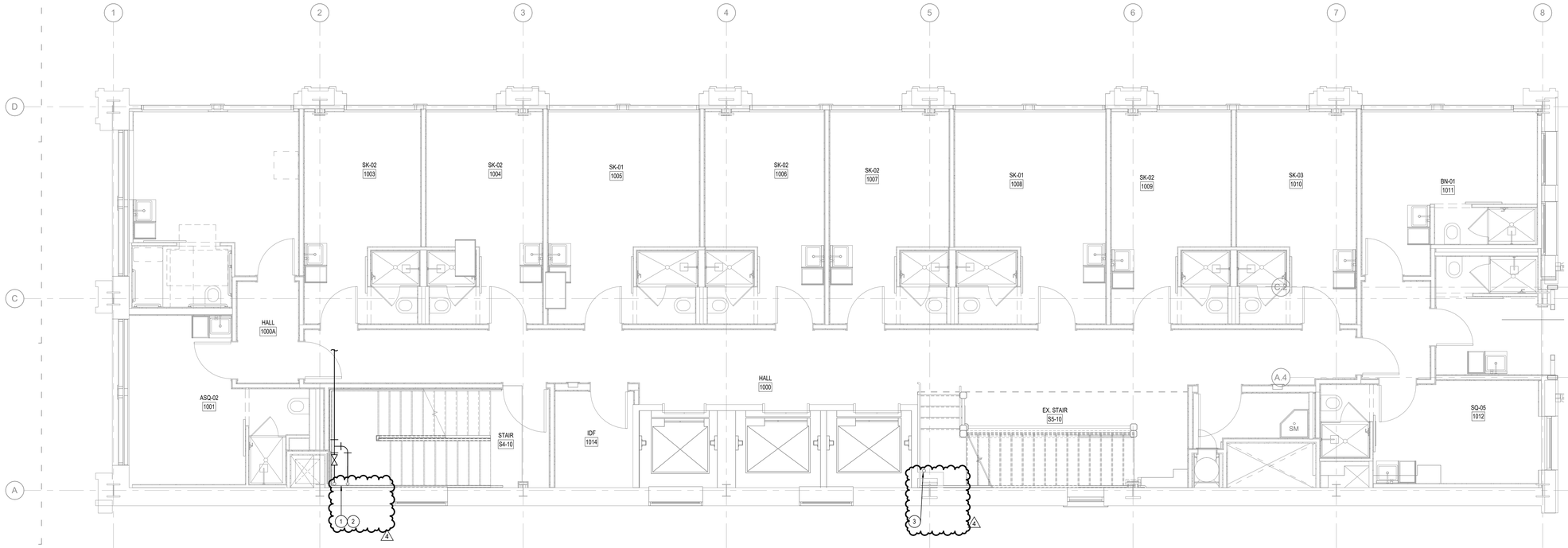
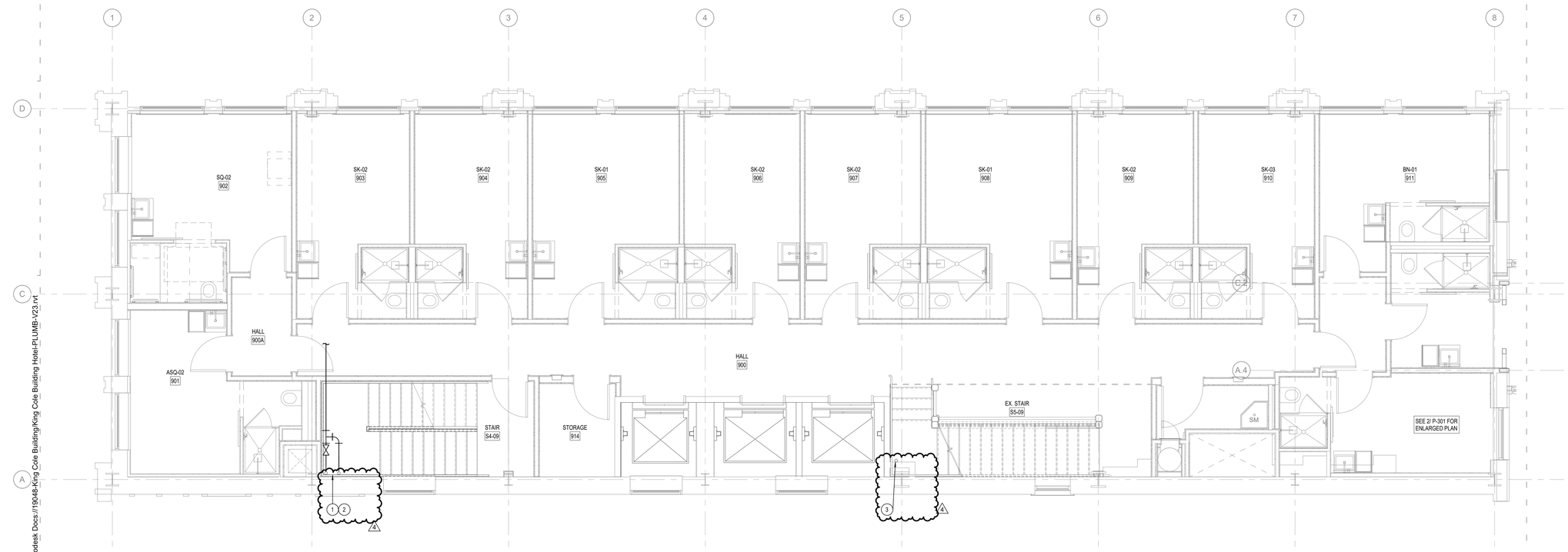


2 TENTH FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 NINTH FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N

FIRE PROTECTION NOTES:

A. REFER TO SHEET M-000 FOR GENERAL SYMBOLS AND ABBREVIATIONS.
B. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE AND SHALL CONFORM WITH ALL FEDERAL, STATE AND LOCAL CODES AND STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, THE SAME AS IF REPEATED HEREIN.
C. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS AND BOTH ARE INTENDED TO BE COMPLIMENTARY - ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
D. THE CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT AND SHALL EXAMINE THE SCOPE OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.
E. CONSTUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMATICALLY AND IN SOME CASES, ENLARGED FOR CLARITY. ANY OFFSETS, ADDITIONAL FITTINGS AND/OR APPURTENCES REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM SHALL BE BORNE BY THE CONTRACTOR.
F. PROVIDE AND INSTALL AUTOMATIC SPRINKLER SYSTEMS AS REQUIRED IN ALL NEW AREAS UNLESS OTHERWISE NOTED. THE FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND ADJUST HIS WORK ACCORDING TO ANY VARIATIONS OR DEVIATIONS FROM THOSE SHOWN ON THE PLANS.
G. THE DESIGN AND INSTALLATION OF THE FIRE PROTECTION SYSTEMS SHALL CONFORM TO THE NATIONAL FIRE PROTECTION ASSOCIATION CODES (NFPA) STANDARDS AND RECOMMENDED PRACTICES, LATEST EDITIONS ADOPTED BY THE STATE OF INDIANA. ALL APPLICABLE STATE AND LOCAL FIRE PREVENTION BUREAU'S STATUTES AND CODES AND REQUIREMENTS OF OWNER'S INSURANCE UNDERWRITER. INCLUDE ALL PIPE AND FITTINGS, APPROVED WATER FLOW DETECTING ALARM DEVICES, PRESSURE GAUGES, SPRINKLER HEADS, INDICATING VALVES, FIRE DEPARTMENT CONNECTIONS AND OTHER MATERIALS NEED TO PROVIDE A COMPLETE AND OPERABLE CODE COMPLIANT SYSTEM.
H. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN LAYOUT OF THE SPRINKLER SYSTEMS AS REQUIRED FOR THE NEW AND REMODELED AREAS. THE ENTIRE BUILDING SHALL BE SPRINKLED PER INDIANA BUILDING CODES AND NFPA 13, LATEST ENFORCED EDITION. BASED ON THE DATE OF THE CONSTRUCTION DESIGN RELEASE.
I. SPRINKLER PIPING INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES. EQUIPMENT, DUCTWORK, STRUCTURAL STEEL, ELECTRICAL PANELS, RACEWAYS, ARCHITECTURAL DESIGN INTENT, INCLUDING REFLECTED CEILING PLANS AND CEILING TILE DIMENSIONS PRIOR TO INSTALLATION. PIPING NOT COORDINATED MAY NEED TO BE REMOVED AND/OR REPLACED. ANY REMOVAL REQUIRED DUE TO INCOMPLETE COORDINATION, SHALL BE DONE BY THE SPRINKLER CONTRACTOR, ALL COST SHALL BE BORNE BY THE SPRINKLER CONTRACTOR.
J. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESS TO SHUT-OFF VALVES, CONTROL VALVES, DRAIN VALVES, ETC. LOCATED ABOVE NON-ACCESSIBLE CEILINGS. COORDINATE LOCATION OF ACCESS PANELS WITH ARCHITECT/ENGINEER.
K. ALL ELECTRICAL AND MECHANICAL ROOMS SHALL BE SPRINKLED WITH HIGH TEMPERATURE SPRINKLER HEADS.
L. NO PIPING SHALL BE ROUTED OVER OR THRU ELECTRICAL OR IT CLOSETS, UNLESS IT IS TO SERVICE EQUIPMENT OR DEVICES IN THE SPACE.
M. WATER FLOW TEST DATA IS THE FIRE PROTECTION CONTRACTORS RESPONSIBILITY TO ENSURE ADEQUACY OF FLOW AND PRESSURE.
N. REFER TO THE ARCHITECTURAL PLANS. PROVIDE SPRINKLERS ABOVE AND BELOW SUSPENDED CEILING CLOUDS.
O. REFER TO THE ARCHITECTURAL LIFE SAFETY PLANS.
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4

SHEET PLAN NOTES

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3 FIRE PROTECTION CLASS 1 STANDPIPE UP AND DOWN

4

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CDG PROJECT NO. 24085

SHEET TITLE
NINTH AND TENTH FLOOR FIRE PROTECTION PLANS

SHEET NUMBER
FP105

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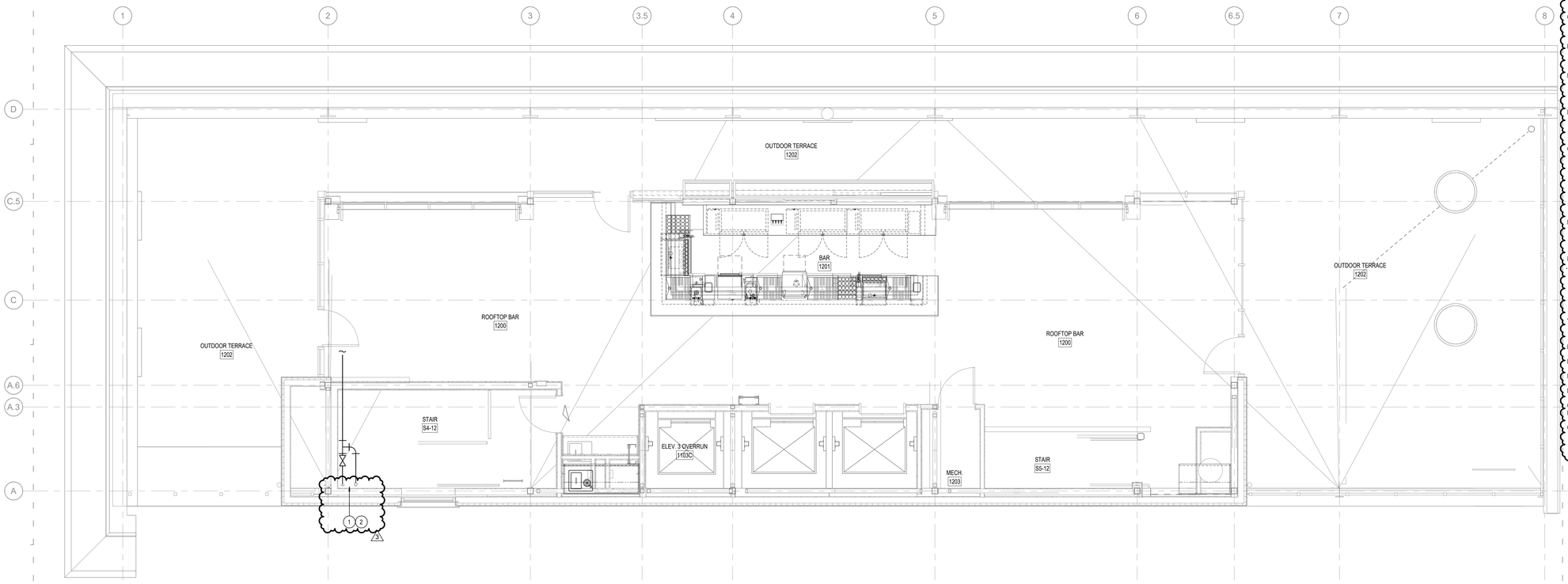
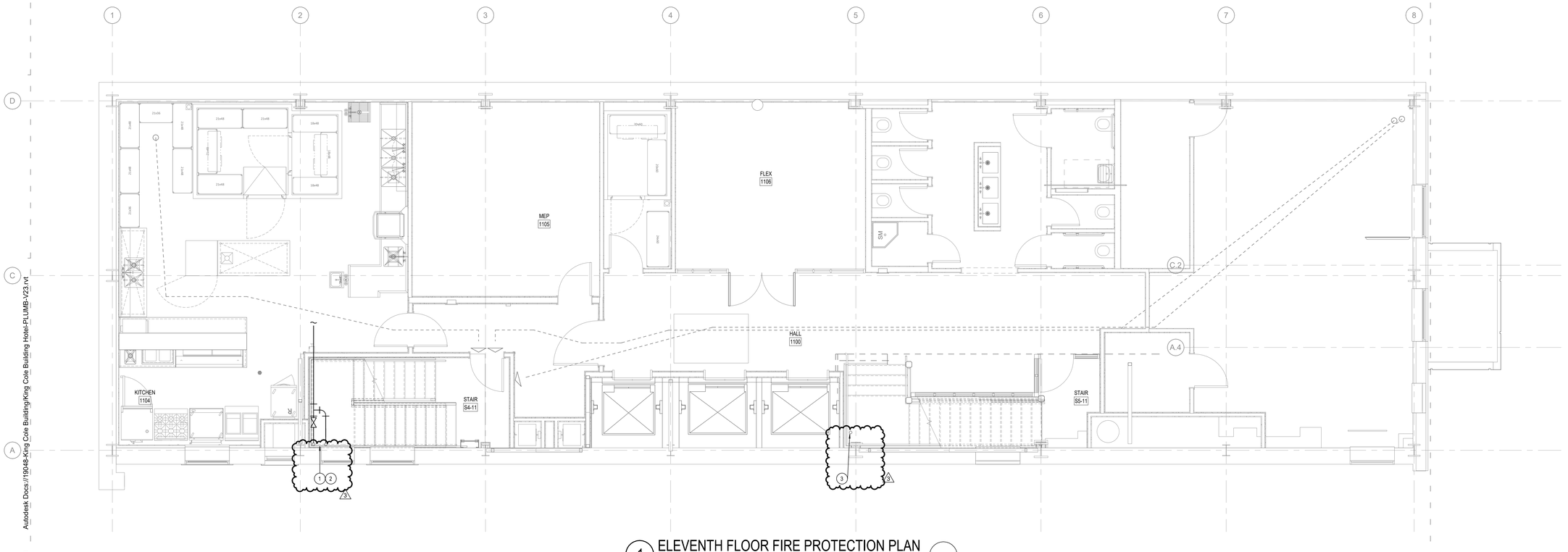


2 ROOF BAR FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 ELEVENTH FLOOR FIRE PROTECTION PLAN

1/4" = 1'-0"

0 2' 4' 8'

N

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3. FIRE PROTECTION CLASS 1 STANDPIPE UP AND DOWN.

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ELEVENTH FLOOR AND ROOF BAR FIRE PROTECTION PLANS

SHEET NUMBER
FP106

2/28/2025 12:00:19 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt

PUMP SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	DESIGN CAPACITY (GPM)	DESIGN CAPACITY (PSI)	MIN EFF.	PUMP		MOTOR DATA				MANUFACTURER WITH MODEL NUMBER	NOTES
							SUCT. (IN)	DISCH (IN)	HP	RPM	VOLTS	PH		
FP-1	PUMP ROOM SB-003	FIRE PROTECTION	SPLIT CASE	750	112	-	5	4	75	3600	208	3	PEERLESS MODEL 4AEF10A	1, 3
JP-1	PUMP ROOM SB-003	FIRE PROTECTION JOCKEY PUMP	VERT MULTISTAGE CENTRIFUGAL	15	100	-	1	1	2	3450	208	3	GRUNDFOS MODEL CR 3-10 A-B-A-E-HQQE	2

NOTES

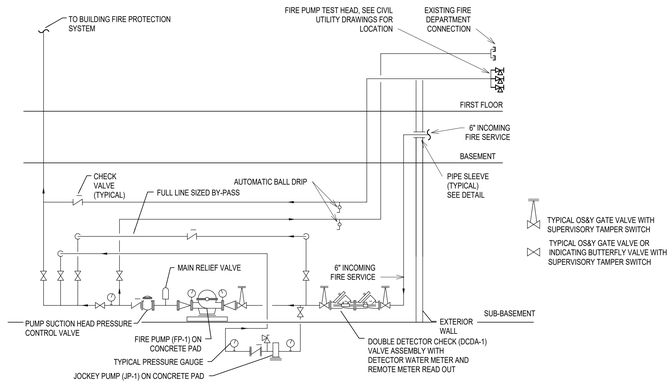
1. FIRE PUMP CONTROLLER, TORNATECH #GPx SERIES, SOFT START WITH AUTOMATIC TRANSFER SWITCH.
2. FIRE PUMP SYSTEM JOCKEY PUMP CONTROLLER, TORNATECH MODEL #JP3
3. CASING WITH 250 LB SUCTION / 250 LB DISCHARGE FF ANSI FLANGES.

FIRE PROTECTION BACKFLOW PREVENTER SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	DESIGN CAPACITY (GPM)	PRESS. DROP (PSIG)	SIZE (IN)	MANUFACTURER WITH MODEL NUMBER	NOTES
DCDA-1	PUMP ROOM SB-003	MAIN FIRE SERVICE	DOUBLE CHECK DETECTOR ASSEMBLY	750	3	6	AMES SERIES 3000SS	1, 2, 3

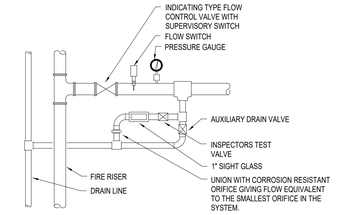
NOTES:

1. PROVIDE WITH GATE OR UL/FM BUTTERFLY VALVES WITH TAMPER SWITCH.
2. MAXIMUM MOUNTING HEIGHT OF 5'-0" ABOVE FLOOR.
3. LEAD-FREE.



1 FIRE PUMP PIPING DETAIL

NOT TO SCALE



2 FIRE SUPPRESSION FLOOR CONTROL VALVE DETAIL

NOT TO SCALE

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SHEET TITLE
FIRE PROTECTION SCHEDULES AND DETAILS

SHEET NUMBER
FP501

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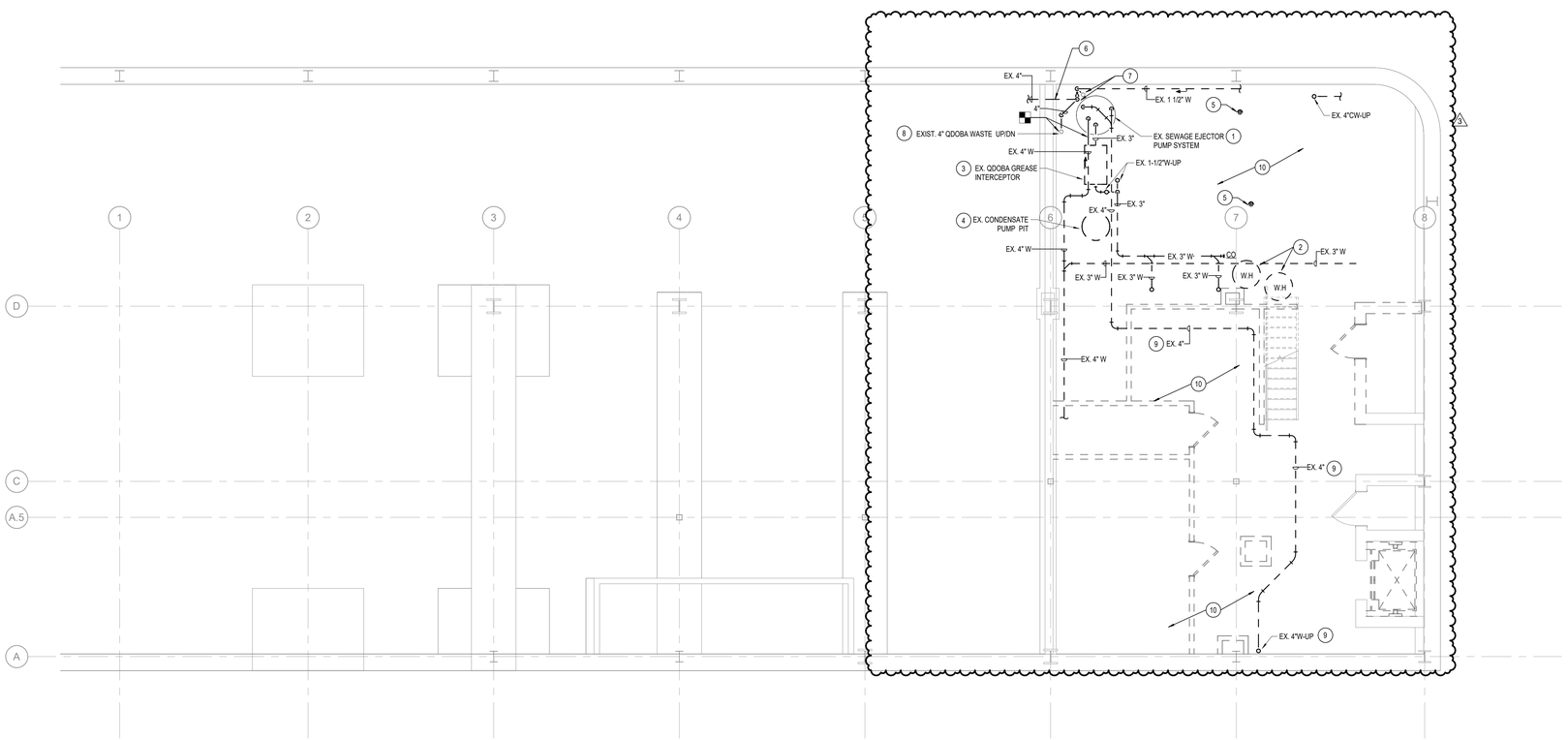

1 SUB-BASEMENT PLUMBING DEMO PLAN

3/16" = 1'-0"

0 4' 8' 12'

N

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. CLEANOUTS REQUIRED AT BASE OF EACH WASTE AND STORM STACK, AS INDICATED ON DRAWINGS, AND AS REQUIRED BY PLUMBING CODE.
C. REVIEW THE WORK OF ALL OTHER TRADES. COORDINATE AND PLAN WORK WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, MECHANICAL AND FIRE PROTECTION. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
E. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
F. PLUMBING DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
G. CLEAN ALL EQUIPMENT TO PRESENT A "LIKE NEW" CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
H. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
I. OFFSET PIPING AROUND ELECTRICAL PANELS TO PROVIDE CLEARANCES AS REQUIRED BY NATIONAL ELECTRIC CODE.
J. REFERENCE THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL PLUMBING ITEMS INTERFACING OR ARE WITHIN THE EXTERIOR WALLS (I.E. WALL HYDRANTS, VALVE BOXES, ETC.)
K. ALL PIPING TO BE ROUTED ABOVE CEILINGS UNLESS OTHERWISE NOTED.
L. SAWCUT CONCRETE SLAB AS REQUIRED TO INSTALL SANITARY WASTE, VENT AND WATER PIPING. PATCH CONCRETE SLAB TO MATCH EXISTING.
M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 EXISTING SEWAGE EJECTOR PUMPS, PIPING, ACCESSORIES AND BASIN COVER TO BE REMOVED COMPLETE. BASIN AND ANY INCOMING LINES TO BE RE-USED SHALL BE CLEANED AND RODDED TO ENSURE PROPER FLOW.
2 EXISTING DOMESTIC WATER HEATERS AND ASSOCIATED PIPING TO BE DEMOLISHED COMPLETE.
3 EXISTING GREASE INTERCEPTOR AND ASSOCIATED PIPING TO BE REMOVED COMPLETE.
4 EXISTING CONDENSATE PUMP PIT AND ASSOCIATED PIPING TO BE REMOVED COMPLETE, INCLUDING SUMP PIT FLANGE, COVER. FILL SUMP PIT WITH FLOWABLE CONCRETE AND PATCH FLOOR TO MATCH EXISTING.
5 REMOVE FLOOR DRAIN AND FLOOR DRAIN BODY COMPLETE.
6 CAP EXIST. 4" SANITARY LINE INSIDE WALL. PATCH WALL TO MATCH EXISTING.
7 EXISTING 1-1/2" WASTE AND VENT UP TO REMAIN. RECONNECT TO NEW PIPING.
8 DEMO EXISTING 4"W DN TO BELOW SLAB. REMOVE FITTING, CLEAN AND ROD EXISTING 4" WASTE TO ENSURE PROPER FLOW.
9 REMOVE EXISTING PIPING, HANGERS AND SUPPORTS COMPLETE.
10 REMOVE ALL EXISTING QDOBA PIPING, HANGERS AND SUPPORTS COMPLETE

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SHEET TITLE
SUB BASEMENT PLUMBING DEMO PLAN

SHEET NUMBER
PD100

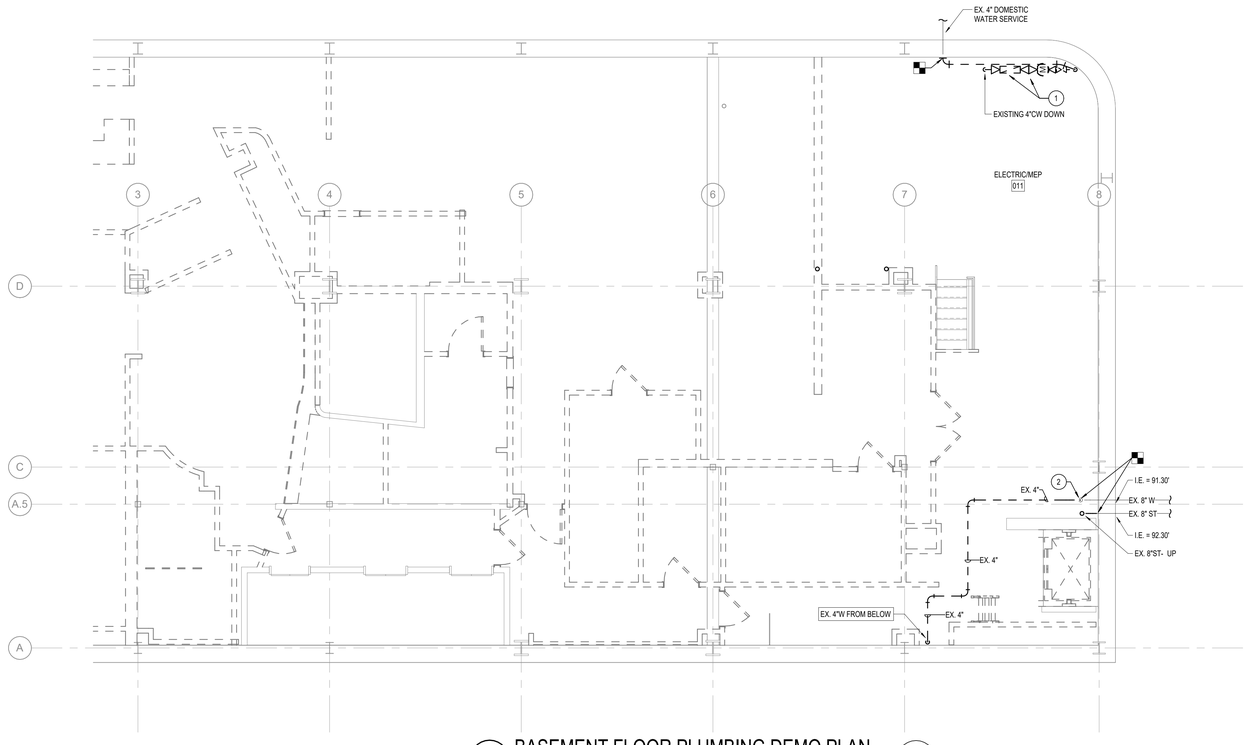
2/28/2025 12:23:40 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. CLEANOUTS REQUIRED AT BASE OF EACH WASTE AND STORM STACK, AS INDICATED ON DRAWINGS, AND AS REQUIRED BY PLUMBING CODE.
C. REVIEW THE WORK OF ALL OTHER TRADES. COORDINATE AND PLAN WORK WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, MECHANICAL AND FIRE PROTECTION. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
E. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
F. PLUMBING DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
G. CLEAN ALL EQUIPMENT TO PRESENT A "LIKE NEW" CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
H. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
I. OFFSET PIPING AROUND ELECTRICAL PANELS TO PROVIDE CLEARANCES AS REQUIRED BY NATIONAL ELECTRIC CODE.
J. REFERENCE THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL PLUMBING ITEMS INTERFACING OR ARE WITHIN THE EXTERIOR WALLS (I.E. WALL HYDRANTS, VALVE BOXES, ETC.)
K. ALL PIPING TO BE ROUTED ABOVE CEILINGS UNLESS OTHERWISE NOTED.
L. SAWCUT CONCRETE SLAB AS REQUIRED TO INSTALL SANITARY WASTE, VENT AND WATER PIPING. PATCH CONCRETE SLAB TO MATCH EXISTING.
M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 ALL EXISTING DOMESTIC WATER SOURCE PIPING, BACKFLOW PREVENTER, VALVING, ETC. SHALL BE REMOVED COMPLETE. PREPARE EXISTING DOMESTIC SERVICE FOR NEW 4" DOMESTIC WATER SERVICE CONNECTION.
2 DEMO EXISTING 4" PUMPED WASTE LINE AT 8" WASTE RISER. PREPARE 8" WASTE RISER FOR NEW SANITARY PIPING CONNECTION.



1 BASEMENT FLOOR PLUMBING DEMO PLAN
3/16" = 1'-0"
0 4' 8' 12'
N

KING COLE BUILDING HOTEL
1 N. Meridian Indianapolis, IN 46204

Owner
Indy PropCo LLC
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SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10310218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	02/28/2025

CIRCLE DESIGN GROUP
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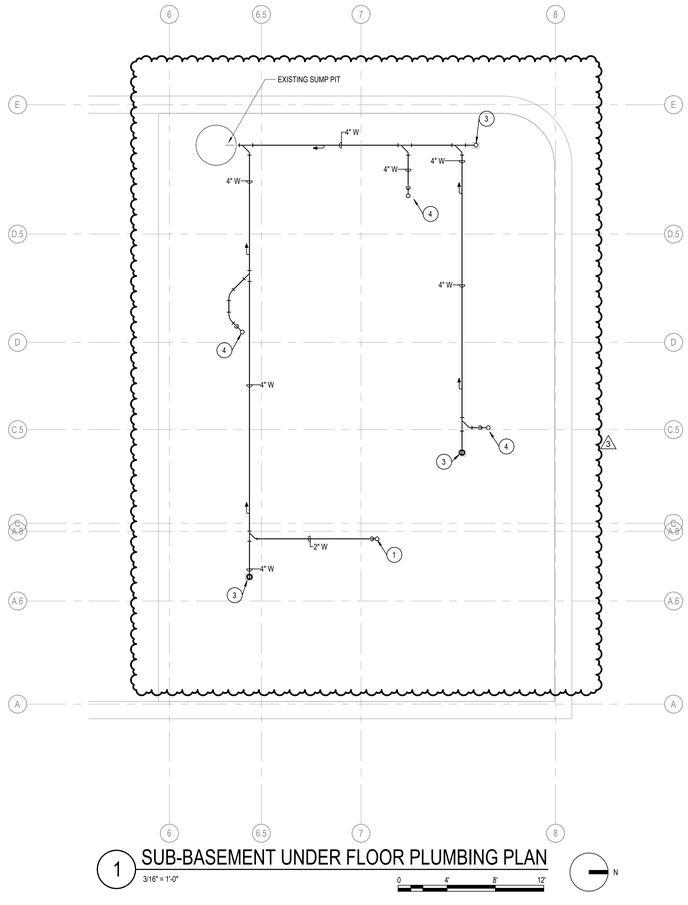
CDG PROJECT NO. 24085

SHEET TITLE
BASEMENT FLOOR PLUMBING DEMO PLAN

SHEET NUMBER
PD101

2/28/2025 12:23:43 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt



1 SUB-BASEMENT UNDER FLOOR PLUMBING PLAN

3/16" = 1'-0"

0 4' 8' 12'

N

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SHEET PLAN NOTES

1 2"W WITH P-TRAP UP TO FLOOR DRAIN.
3 4"W UP TO FCO.
4 4"W WITH P-TRAP UP TO FLOOR SINK.

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CDG PROJECT NO. 24085

SHEET TITLE
SUB-BASEMENT UNDER FLOOR PLUMBING PLAN

SHEET NUMBER
P-100U

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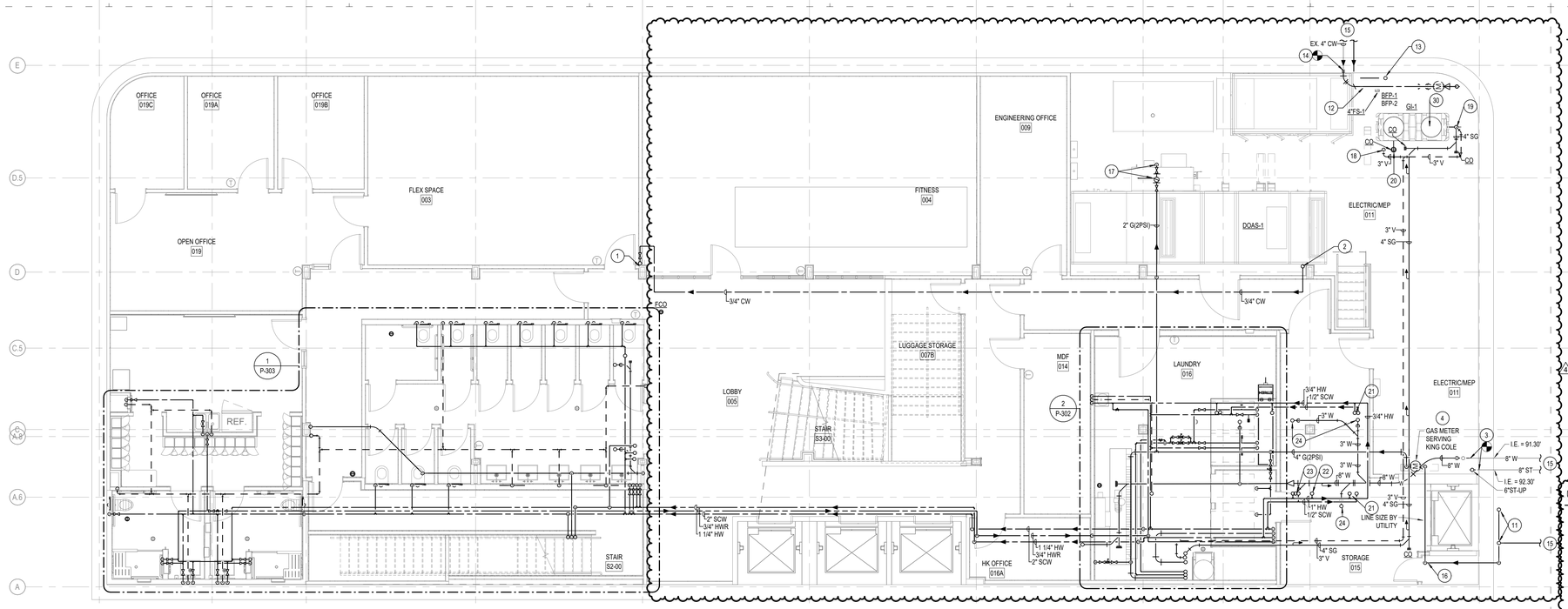
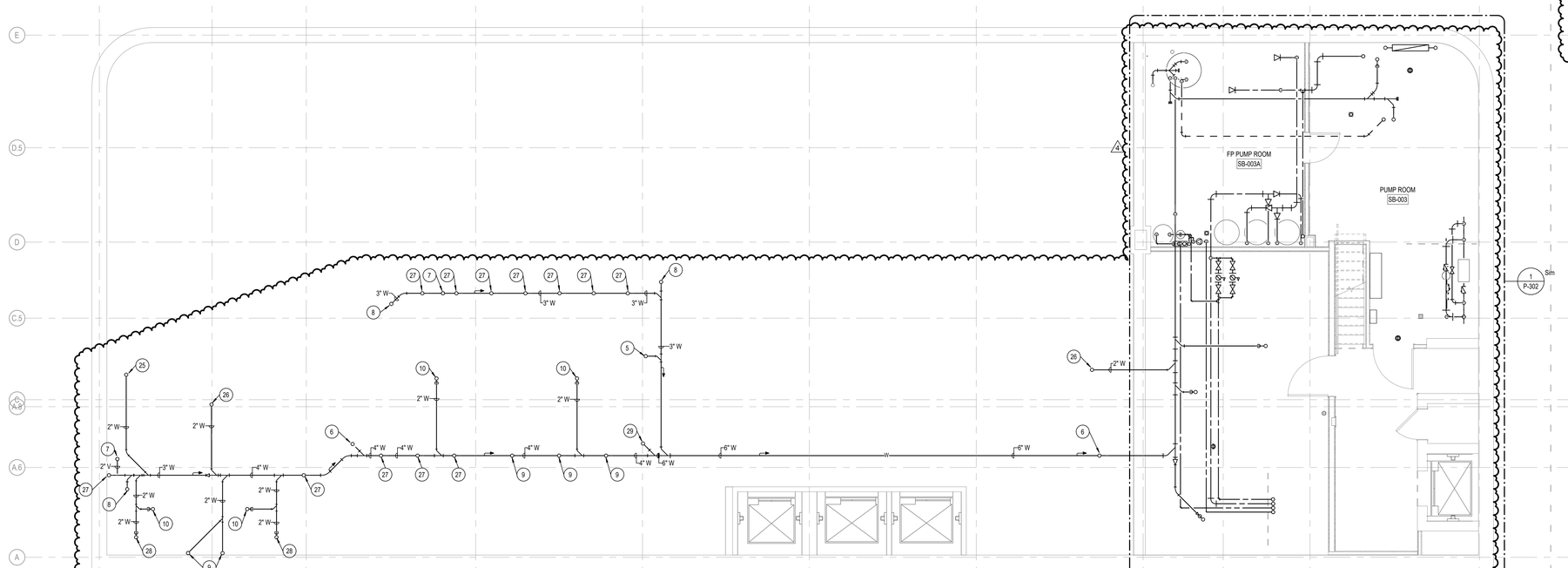


2 BASEMENT FLOOR PLUMBING PLAN

3/16" = 1'-0"



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SHEET PLAN NOTES

1 3/4CW" UP TO WH-1.
2 1"CW FROM BELOW. 3/4CW" UP TO WH-1.
3 CONNECT NEW PIPING TO EXISTING FIELD VERIFY EXACT LOCATION AND SIZE OF PIPE PRIOR TO START OF WORK.
4 HOTEL GAS METER SERVED WITH 2 PSI SERVICE PRESSURE WITH A TOTAL COMBINED LOAD OF 10,000,000 BTUH.
5 2"W UP TO DRAIN BOX.
6 4"W UP TO FCO.
7 2"V UP.
8 3"W UP TO FCO.
9 2"W UP TO LAVATORY.
10 2"W WITH P-TRAP UP TO FLOOR DRAIN.
11 RELOCATED INCOMING GAS LINE. SEE CIVIL/SITE FOR CONTINUATION.
12 4"CW DOWN. REFER TO DETAIL 1 / P-601.
13 6"FP DOWN.
14 CONNECT TO EXISTING DOMESTIC WATER LINE. FIELD VERIFY SIZE, INVERT, AND LOCATION BEFORE INSTALLATION.
15 SEE CIVIL/SITE FOR CONTINUATION.
16 COORDINATE ROUTING OF GAS LINE AROUND HVAC.
17 PROVIDE GAS PRESSURE REGULATOR CAPABLE OF RECEIVING 2PSI AND REDUCING DOWN TO 11"W.C. AND PROVIDING 1,550,000 BTUH. 2"G(11"W.C.) DROP TO EQUIPMENT WITH UNION, SHUT OFF VALVE, AND DIRT LEG AT EQUIPMENT GAS TRAIN.
18 3"V RISE.
19 4"SG DROP TO GI-1, 3"V RISE.
20 4"W DOWN, 4"W RISE TO FCO.
21 1/2"SCW AND 1/2"HW UP.
22 1/2"HW UP.
23 2"W, 1/2"SCW, AND 1/2"HW UP.
24 3"W WITH P-TRAP UP TO FLOOR SINK.
25 2"W UP TO BOTTLE FILLER.
26 2"W UP TO SINK.
27 3"W UP TO WATER CLOSET.
28 2"W WITH P-TRAP UP TO SHOWER DRAIN.
29 4"W UP.
30 PROVIDE REMOTE PUMPOUT DIRECTLY OVERHEAD OF GREASE INTERCEPTOR.

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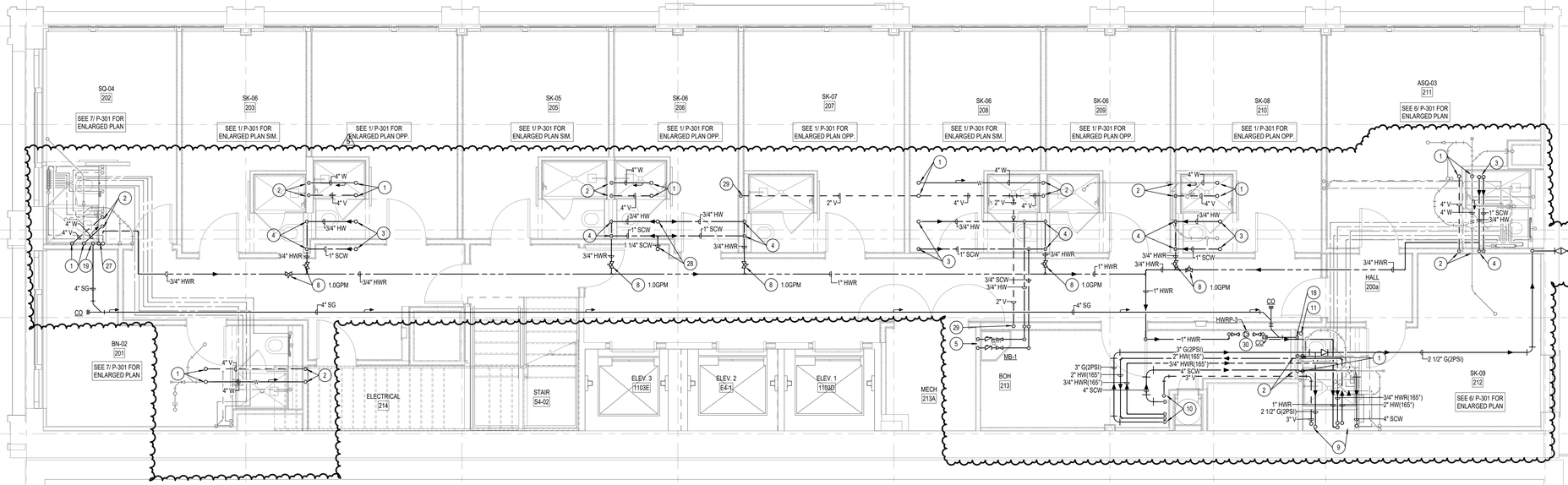
CDG PROJECT NO. 24085

SHEET TITLE
SUB-BASEMENT AND BASEMENT FLOOR PLUMBING PLANS

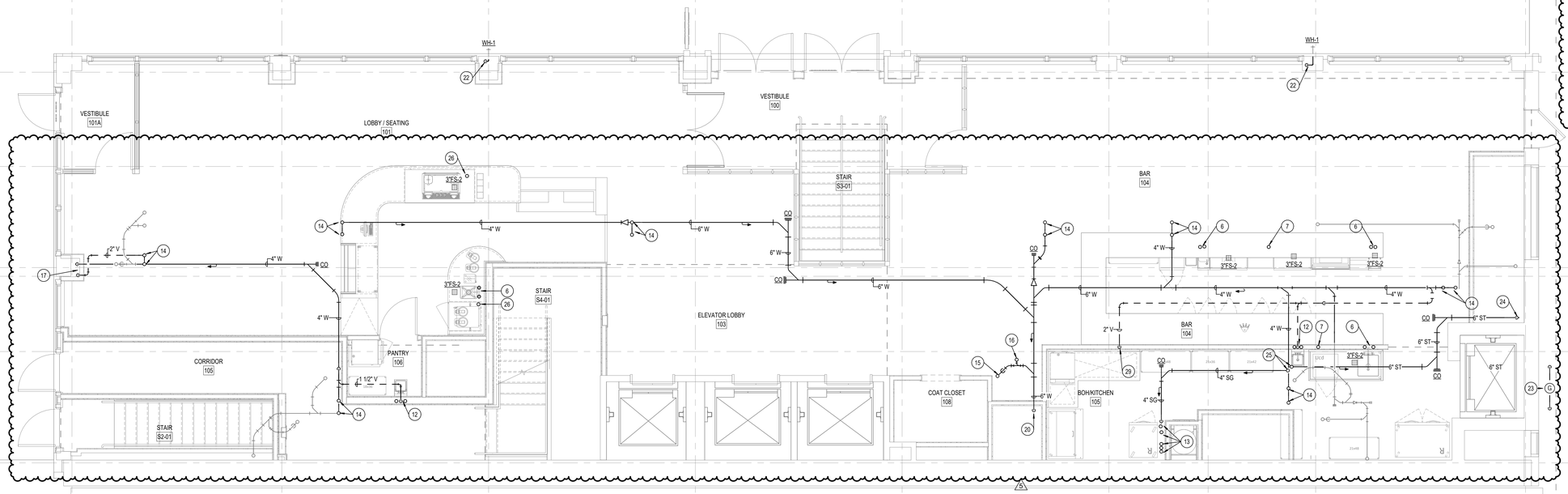
SHEET NUMBER
P-100

2/28/2025 3:24:24 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt



2 SECOND FLOOR PLUMBING PLAN

1/4" = 1'-0"



1 FIRST FLOOR PLUMBING PLAN

1/4" = 1'-0"

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M. REFERENCE THE GETTY'S GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 4" WASTE AND VENT STACK UP.
2 4" WASTE AND VENT STACK DOWN
3 1"SCW AND 3/4"HW UP.
4 1"SCW AND 3/4"HW FROM ABOVE. 3/4"HWR TO CONNECT TO HW LINE.
5 3/4"SCW & 3/4"HW DROP.
6 1/2"SCW AND 1/2"HW FROM BELOW.
7 1/2"HW FROM BELOW.
8 PROVIDE DOMESTIC HOT WATER BALANCING STATION. SEE DETAIL ON SHEET P-601
9 4"SCW, 1"HWR, 3/4"HWR(165°F), 2"HW(165°F), 2 1/2"G(2PSI), AND 3"V UP.
10 4"SCW, 3/4"HWR(165°F), 2"HW(165°F), 3"G(2PSI), AND 3"V DOWN.
11 6"ST UP AND DOWN. PROVIDE CLEANOUT AT BASE OF CONDUCTOR AT 18" A.F.F.
12 2"W DOWN, 1 1/2"V RISE, 1/2"SCW AND 1/2"HW FROM BELOW.
13 4"SCW, 3/4"HWR(165°F), 2"HW(165°F), 3"G(2PSI), AND 3"V UP AND DOWN. 4"SG DOWN.
14 4" WASTE AND VENT STACK UP.
15 3"W WITH P-TRAP UP TO MOP BASIN.
16 2"V UP.
17 4"W AND 2"V DOWN.
18 4"SG DOWN.
19 4"SG UP.
20 6"W DOWN.
21 PROVIDE A GAS PRESSURE REGULATING VALVE CAPABLE OF ACCEPTING 2" PSI SERVICE PRESSURE AND REGULATING DOWN TO 1 W.C. PRESSURE SUPPLYING 3, 420,000 BTUH.
22 3/4"CW LINE DOWN.
23 EXTERIOR GAS METER AND GAS LINE ENTERING BUILDING TO BE RELOCATED 6'-0" - 9'-0" OFF OF EAST FACE OF BUILDING.
24 6"ST DOWN.
25 6"ST AN 4"SG UP.
26 1/2"SCW FROM BELOW.
27 1"SCW, 3/4"HW FROM ABOVE. 3/4"HWR TO CONNECT TO HW LINE.
28 1 1/4"SCW AND 1"HW UP.
29 2"V RISE.
30 REFER TO DETAIL 5 / P-602 FOR INLINE PUMP PIPING DETAIL. MOUNT PUMP MINIMUM 7'-0" A.F.F.

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FIRST AND SECOND FLOOR PLUMBING PLANS

SHEET NUMBER
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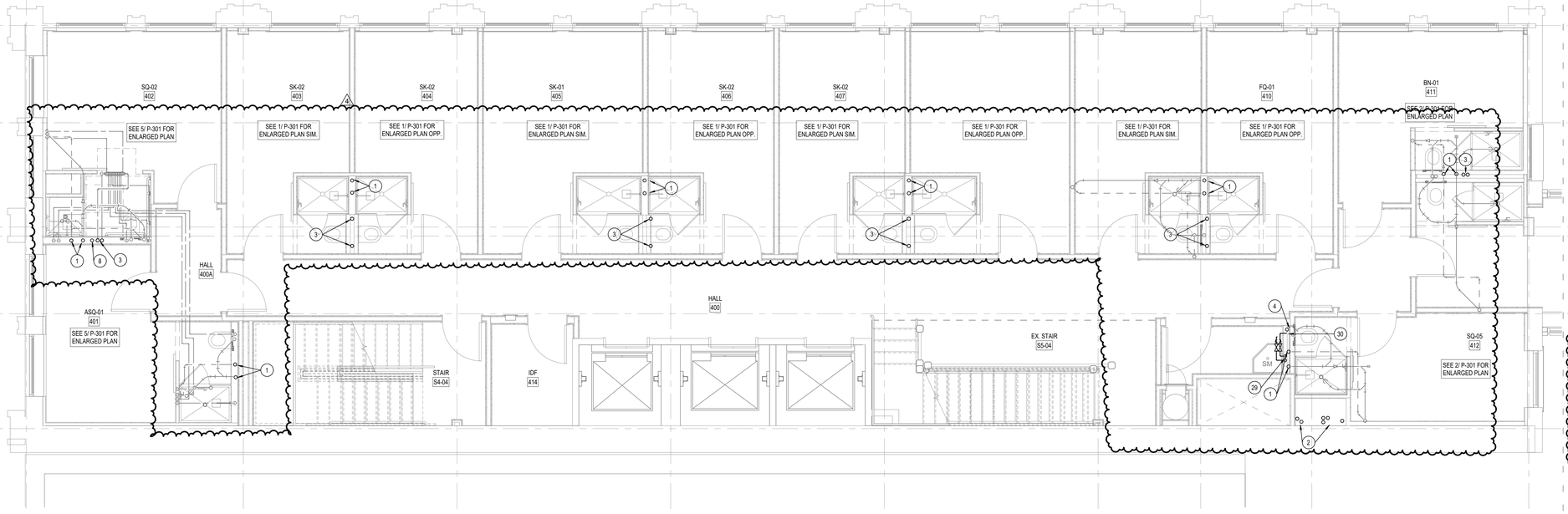
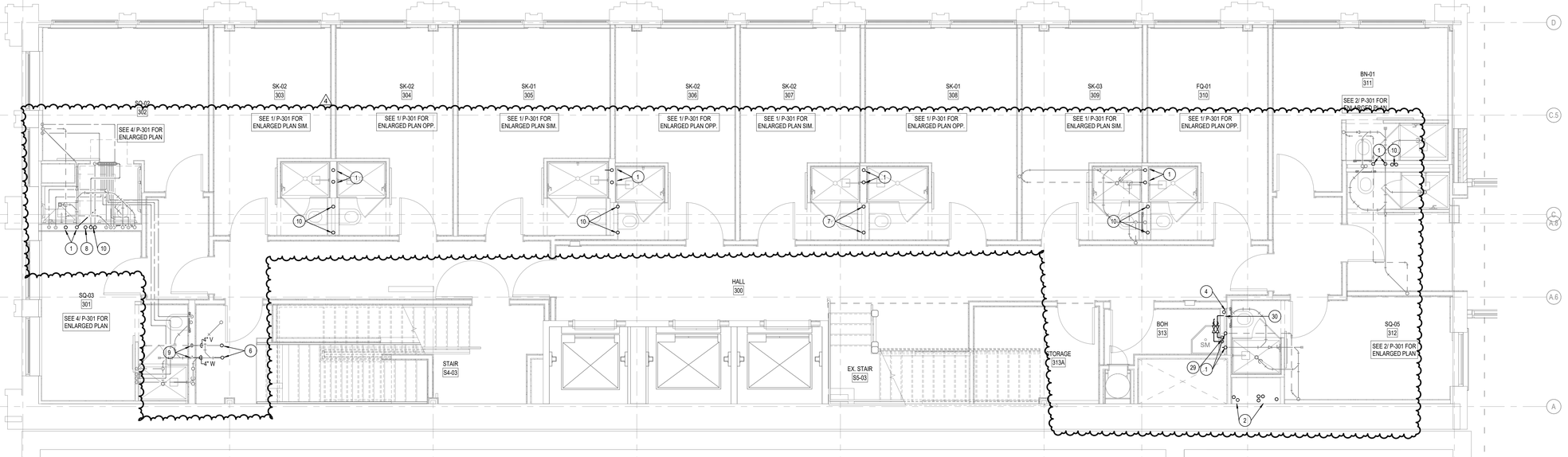


2 FOURTH FLOOR PLUMBING PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 THIRD FLOOR PLUMBING PLAN

1/4" = 1'-0"

0 2' 4' 8'

N

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M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE SUB-TRIM INFORMATION.
N. EXISTING MODEL ROOMS TO BE DEMOLISHED IN ENTIRETY. NEW PLUMBING FIXTURES TO INSTALLED.

SHEET PLAN NOTES

1 4" WASTE AND VENT STACK.
2 4"SCW, 1"HWR, 3/4"HWR(165°F), 2"HW(165°F), 2 1/2"G(2PSI), AND 3"V UP AND DOWN.
3 1 1/2"SCW AND 1 1/4"HW UP, 1 1/4"SCW AND 1"HW DOWN.
4 6"ST UP AND DOWN.
6 4" WASTE AND VENT STACK UP.
7 1 1/4"SCW AND 1"HW UP, 1 1/4"SCW AND 1"HW DOWN.
8 4"SG UP AND DOWN.
9 4" WASTE AND VENT STACK DOWN.
10 1 1/4"SCW AND 1"HW UP, 1"SCW AND 3/4"HW DOWN.

KING COLE BUILDING HOTEL

1 N. Meridian
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317-781-6200

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SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10310218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	02/28/2025

CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
THIRD AND FOURTH FLOOR PLUMBING PLANS

SHEET NUMBER
P-102

Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt
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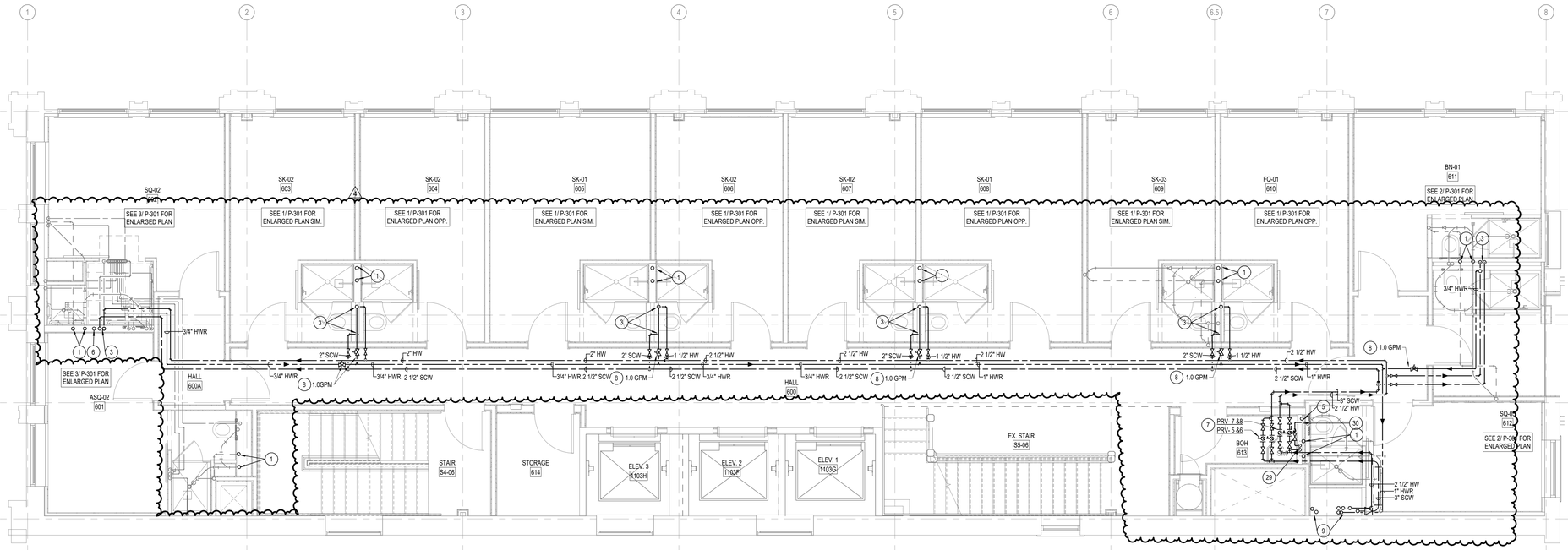
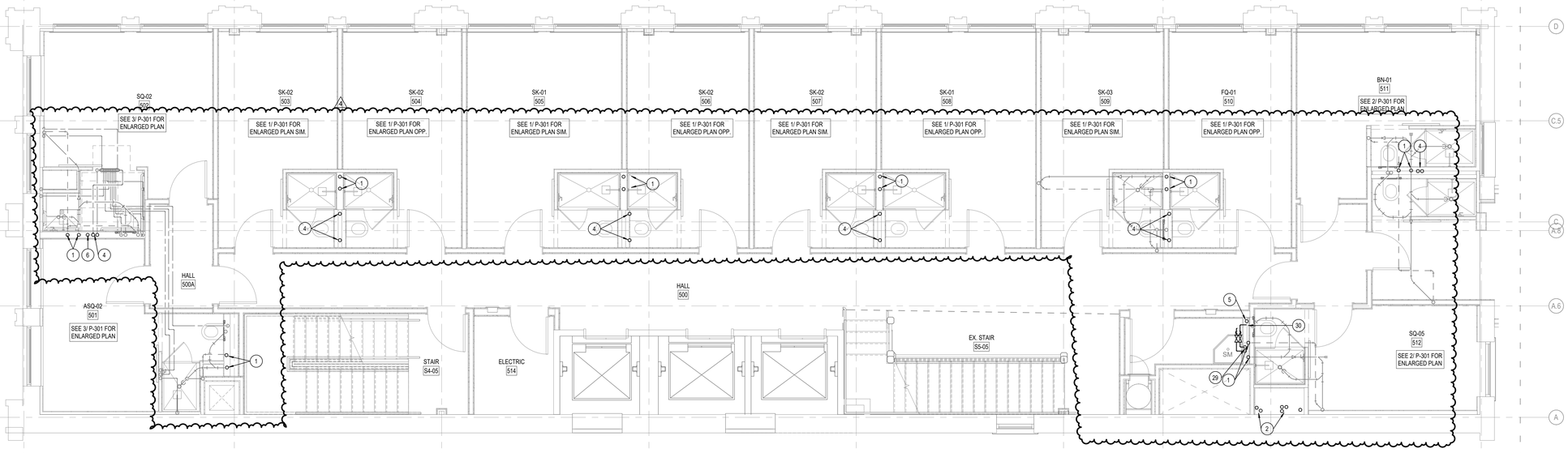


2 SIXTH FLOOR PLUMBING PLAN

1/4" = 1'-0"



1 FIFTH FLOOR PLUMBING PLAN

1/4" = 1'-0"

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. CLEANOUTS REQUIRED AT BASE OF EACH WASTE AND STORM STACK, AS INDICATED ON DRAWINGS, AND AS REQUIRED BY PLUMBING CODE.
C. REVIEW THE WORK OF ALL OTHER TRADES. COORDINATE AND PLAN WORK WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, MECHANICAL AND FIRE PROTECTION. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
E. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
F. PLUMBING DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
G. CLEAN ALL EQUIPMENT TO PRESENT A "LIKE NEW" CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
H. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
I. OFFSET PIPING AROUND ELECTRICAL PANELS TO PROVIDE CLEARANCES AS REQUIRED BY NATIONAL ELECTRIC CODE.
J. REFERENCE THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL PLUMBING ITEMS INTERFACING OR ARE WITHIN THE EXTERIOR WALLS (I.E. WALL HYDRANTS, VALVE BOXES, ETC.)
K. ALL PIPING TO BE ROUTED ABOVE CEILINGS UNLESS OTHERWISE NOTED.
L. SAWCUT CONCRETE SLAB AS REQUIRED TO INSTALL SANITARY WASTE, VENT AND WATER PIPING. PATCH CONCRETE SLAB TO MATCH EXISTING.
M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 4" WASTE AND VENT STACK.
2 4"SCW, 1"HWR, 3/4"HWR(165°F), 2"HW(165°F), 2 1/2"G(2PSI), AND 3"V UP AND DOWN.
3 1 1/2"SCW AND 1 1/4"HW DOWN, 3/4"HWR FROM ABOVE.
4 1 1/2"SCW AND 1 1/4"HW UP, 1 1/2"SCW AND 1 1/4"HW DOWN.
5 6"ST UP AND DOWN.
6 4"SG UP AND DOWN.
7 SEE WATER PIPING DIAGRAM ON P-401 FOR PRV SETTINGS.
8 PROVIDE A DOMESTIC HOT WATER BALANCING STATION. SEE P-601 FOR DETAIL.
9 4"SCW, 1"HWR, 3/4"HWR(165°F), 2"HW(165°F), 2 1/2"G(2PSI), AND 3"V UP AND DOWN. 3"HW AND 1"HWR UP.

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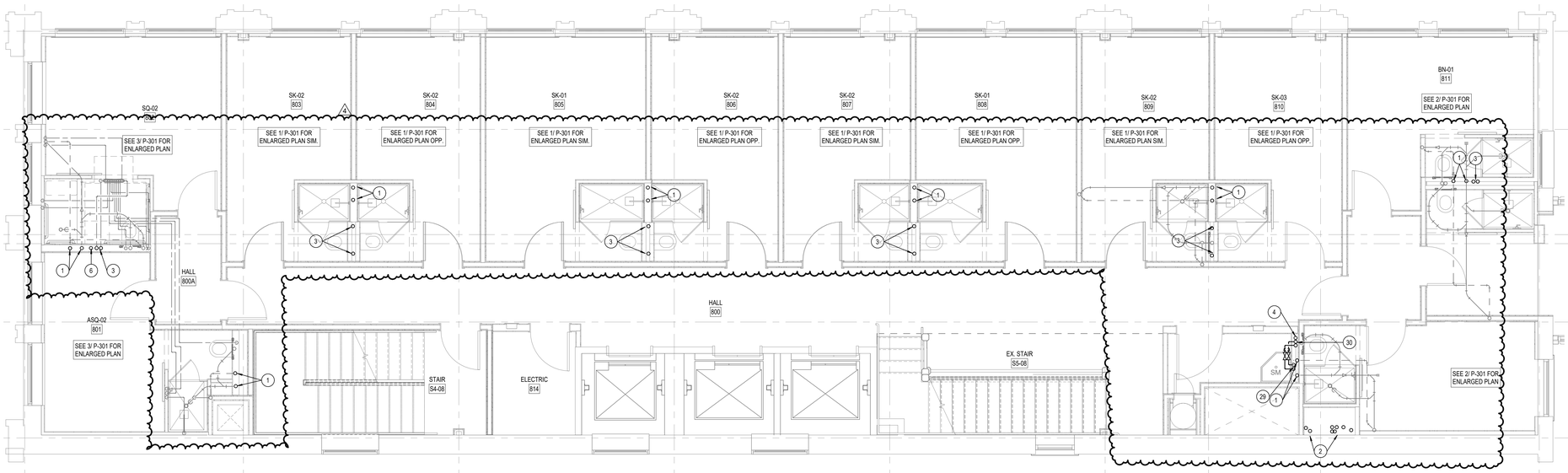
CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
FIFTH AND SIXTH FLOOR PLUMBING PLANS

SHEET NUMBER
P-103

2/28/2025 12:48:27 PM Autodesk Docs://19046-King Cole Building/King Cole Building Hotel-PLUMB-v23.rvt

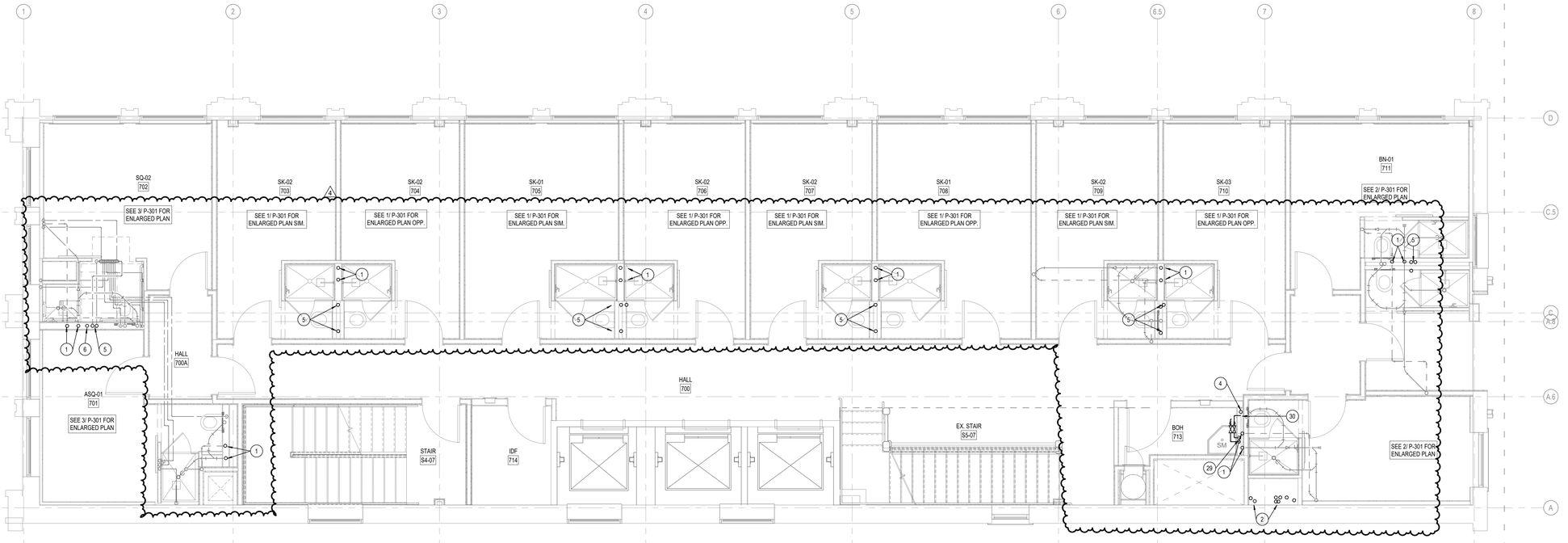


2 EIGHTH FLOOR PLUMBING PLAN

1/4" = 1'-0"

0 2' 4' 8'

N



1 SEVENTH FLOOR PLUMBING PLAN

1/4" = 1'-0"

0 2' 4' 8'

N

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. CLEANOUTS REQUIRED AT BASE OF EACH WASTE AND STORM STACK, AS INDICATED ON DRAWINGS, AND AS REQUIRED BY PLUMBING CODE.
C. REVIEW THE WORK OF ALL OTHER TRADES. COORDINATE AND PLAN WORK WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, MECHANICAL AND FIRE PROTECTION. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
E. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
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H. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
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M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 4" WASTE AND VENT STACK.
2 4"SCW, 1"HWR, 1"HWR, 3"WW, 3/4"HWR(165°F), 2"HW(165°F), 2 1/2"G(2PSI) AND 3"V UP AND DOWN.
3 1 1/4"SCW AND 1"HW UP, 1"SCW AND 3/4"HW DOWN.
4 6"ST UP AND DOWN.
5 1"SCW AND 1"HW FROM ABOVE. 3/4"HWR TO CONNECT TO HW LINE.
6 4"SG UP AND DOWN.

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DAVID M. BARNHORST — 20010740 — REGISTERED — No. PE10910218 — STATE OF INDIANA — PROFESSIONAL ENGINEER

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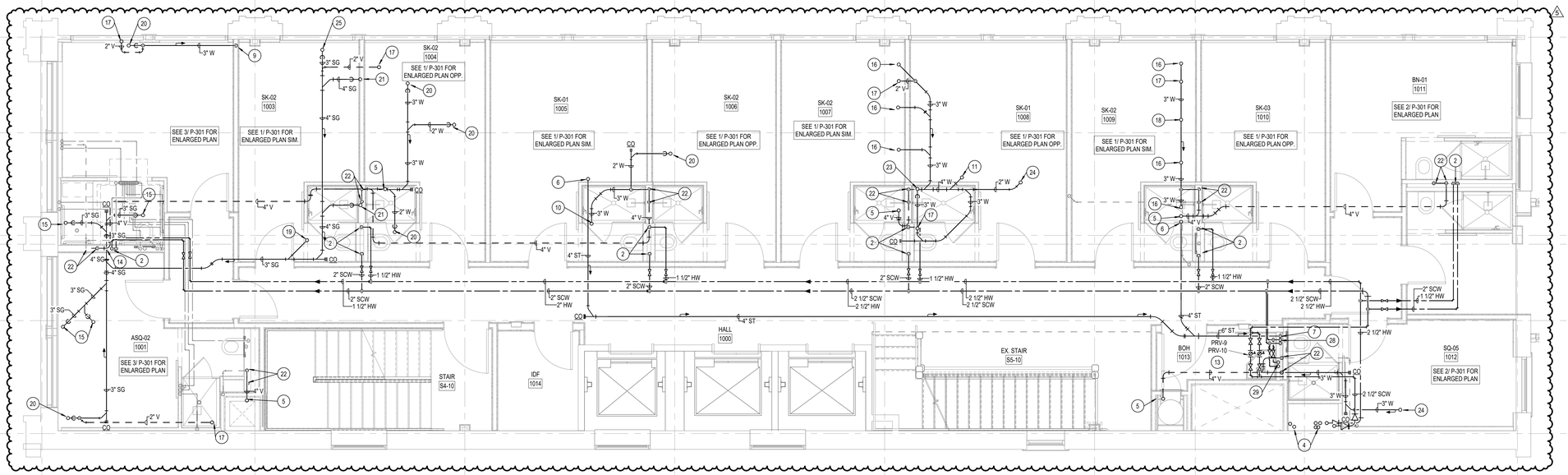
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

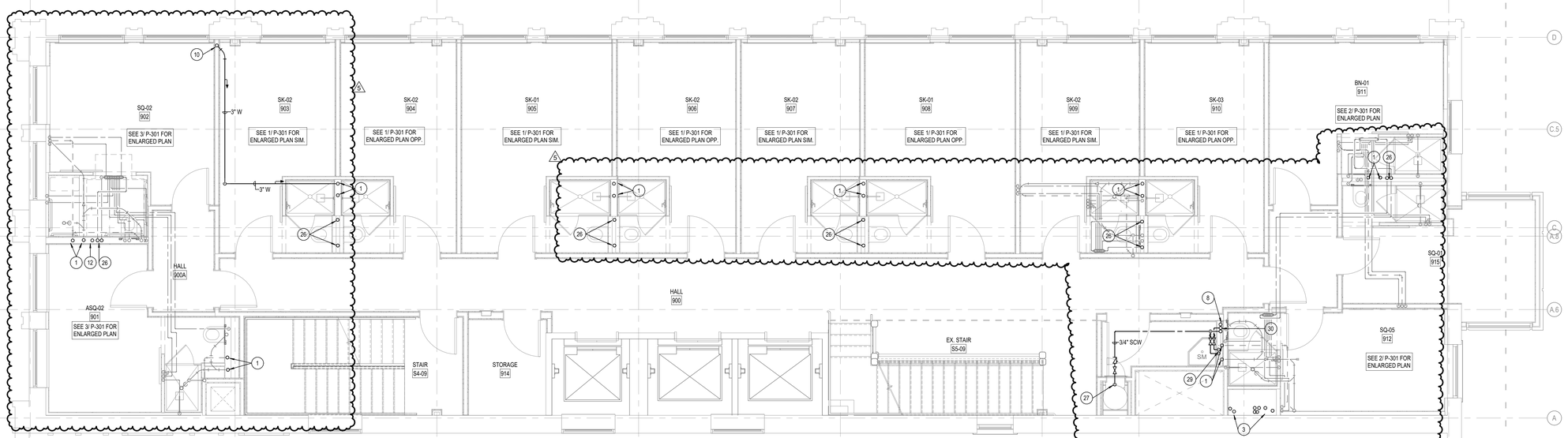
SHEET TITLE
SEVENTH AND EIGHTH FLOOR PLUMBING PLANS

SHEET NUMBER
P-104

2/28/2025 12:48:31 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt



2 TENTH FLOOR PLUMBING PLAN
1/4" = 1'-0"



1 NINTH FLOOR PLUMBING PLAN
1/4" = 1'-0"

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. CLEANOUTS REQUIRED AT BASE OF EACH WASTE AND STORM STACK, AS INDICATED ON DRAWINGS, AND AS REQUIRED BY PLUMBING CODE.
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M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 4" WASTE AND VENT STACK.
2 1 1/2"SCW AND 1 1/4"HW DOWN.
3 4"SCW, 1"HWR, 1"HWR, 2 1/2"HW, 3/4"HWR(165°F), 2"HW(165°F), 2 1/2"G(2PSI), AND 3"V UP AND DOWN.
4 1"HWR, 1"HWR, 3/4"HWR(165°F), 2"HW(165°F), 2 1/2"G(2PSI), AND 3"V UP AND DOWN. 2 1/2"HW AND 4"SCW DOWN, 3"HW AND 3"SCW UP.
5 4"V UP.
6 4"ST UP.
7 6"ST DOWN.
8 6"ST UP AND DOWN.
9 3"W DOWN.
10 3"W UP.
11 4"W UP.
12 4"SG UP AND DOWN.
13 SEE WATER PIPING DIAGRAM ON P-401 FOR PRV SETTINGS.
14 4"SG DOWN.
15 3"SG UP TO FLOOR SINK.
16 3"W UP TO WATER CLOSET.
17 2"V UP.
18 2"W UP TO LAVATORY.
19 2"SG UP TO SINK.
20 2"W WITH P-TRAP UP TO FLOOR DRAIN.
21 4"SG UP TO FLOOR SINK.
22 4"W AND 4"V STACK DOWN. 4"V RISE.
23 3"W WITH P-TRAP UP TO MOP BASIN.
24 2"W UP.
25 3"SG WITH P-TRAP UP TO MOP BASIN.
26 1 1/2"SCW AND 1 1/4"HW UP. 1 1/4"SCW AND 1"HW DOWN.
27 3/4"SCW TO TRASH CHUTE SANITIZER. REFER TO DETAIL 17 / P-601.
28 1"SCW AND 1"HW RISERS DOWN.
29 1/2"SCW AND 1/2"HW DROP.
30 1"SCW AND 1"HW RISERS UP AND DOWN.

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CDG PROJECT NO. 24085

SHEET TITLE
NINTH AND TENTH FLOOR PLUMBING PLANS

SHEET NUMBER
P-105

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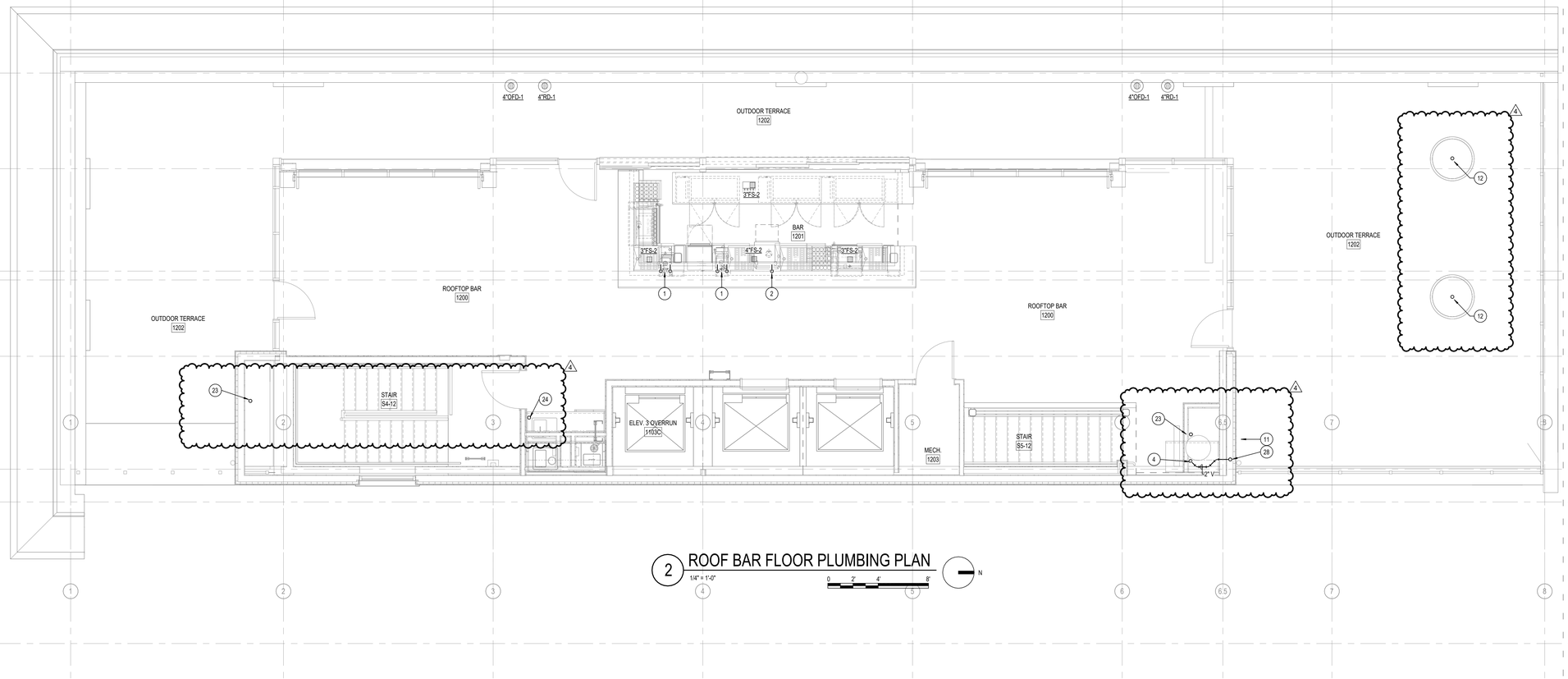
4"OFD-1
4"RD-1
OUTDOOR TERRACE
1202
2"FS-2
BAR
1201
3"FS-2
4"FS-2
3"FS-2
ROOFTOP BAR
1200
OUTDOOR TERRACE
1202
ROOFTOP BAR
1200
OUTDOOR TERRACE
1202
STAIR
S4-12
ELEV. 3 OVERRUN
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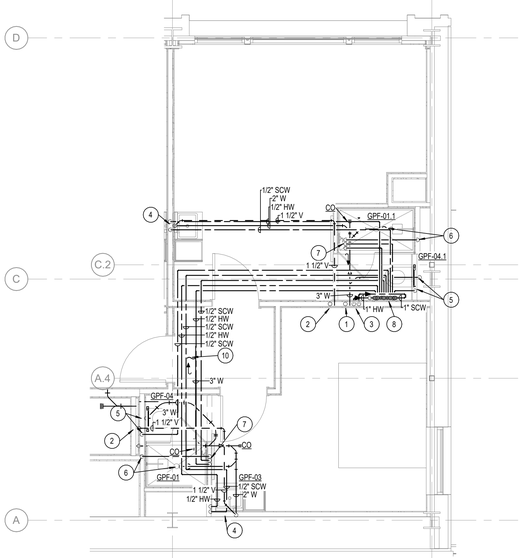
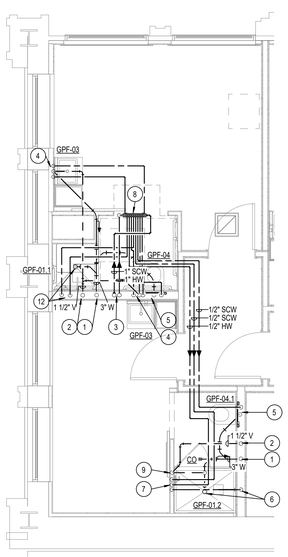


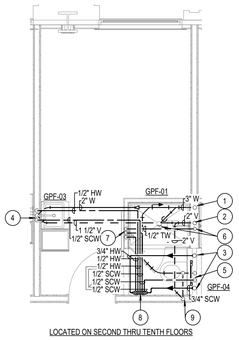
6 SECOND FLOOR NORTH GUESTROOMS PLUMBING PLAN

1/4" = 1'-0"



4 THIRD FLOOR SOUTH GUESTROOMS PLUMBING PLAN

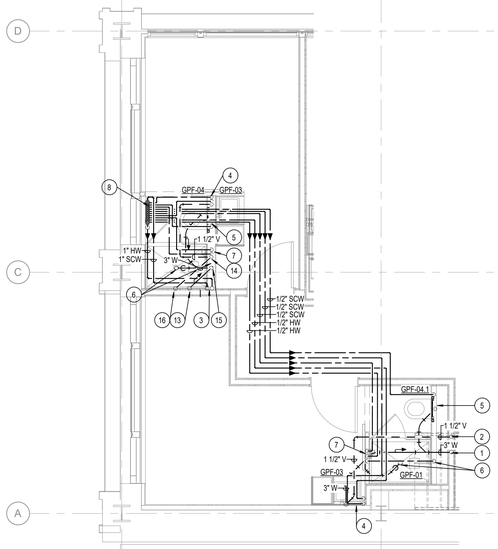
1/4" = 1'-0"



LOCATED ON SECOND THRU TENTH FLOORS

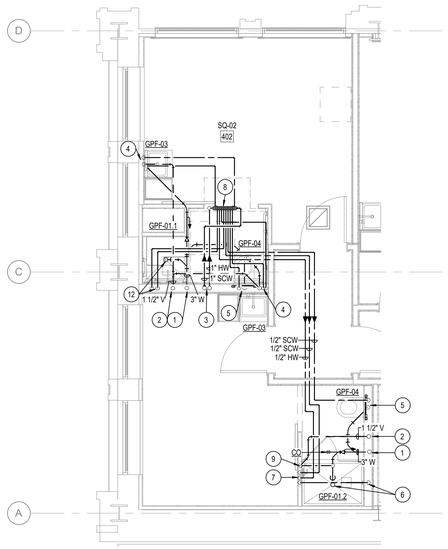
1 TYPICAL GUESTROOM PLUMBING PLAN

1/4" = 1'-0"



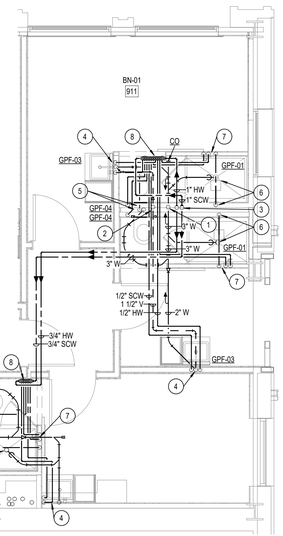
7 SECOND FLOOR SOUTH GUESTROOMS PLUMBING PLAN

1/4" = 1'-0"



5 FOURTH FLOOR SOUTH GUESTROOMS PLUMBING PLAN

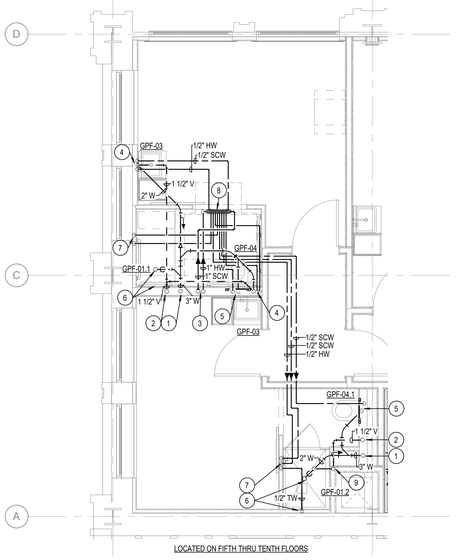
1/4" = 1'-0"



LOCATED ON THIRD THRU TENTH FLOORS

2 TYPICAL NORTH GUESTROOMS PLUMBING PLAN

1/4" = 1'-0"



LOCATED ON FIFTH THRU TENTH FLOORS

3 TYPICAL SOUTH GUESTROOMS PLUMBING PLAN

1/4" = 1'-0"

GENERAL PLUMBING NOTES:

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D. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
E. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
F. PLUMBING DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, EQUIPMENT, AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
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H. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
I. OFFSET PIPING AROUND ELECTRICAL PANELS TO PROVIDE CLEARANCES AS REQUIRED BY NATIONAL ELECTRIC CODE.
J. REFERENCE THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL PLUMBING ITEMS INTERFACING OR ARE WITHIN THE EXTERIOR WALLS (I.E. WALL HYDRANTS, VALVE BOXES, ETC.)
K. ALL PIPING TO BE ROUTED ABOVE CEILINGS UNLESS OTHERWISE NOTED.
L. SAWCUT CONCRETE SLAB AS REQUIRED TO INSTALL SANITARY WASTE, VENT AND WATER PIPING. PATCH CONCRETE SLAB TO MATCH EXISTING.
M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 4" WASTE STACK.
2 4" VENT STACK.
3 HW AND SCW RISER.
4 2"W DOWN, 1 1/2"V RISE, 1/2"SCW AND 1/2"HW DROP.
5 3"W DOWN, 1/2"SCW DROP.
6 2"W WITH P-TRAP UP TO SHOWER DRAIN, 1/2"TW DROP.
7 1/2"HW, 1/2"SCW AND 1/2"TW DROP.
8 PEX "A" PIPING HEADER ABOVE CEILING. INSTALL ACCESS PANEL WITH WATER LINE VALVES ACCESSIBLE.
9 2"V RISE FROM BELOW.
10 REFER TO FIRST LEVEL P-101 FOR CONTINUATION.
12 2"W WITH P-TRAP UP TO SHOWER DRAIN, 1/2"SCW AND 1/2"HW DROP.
13 4" WASTE STACK UP.
14 4" VENT STACK UP.
15 4" WASTE STACK DOWN.
16 4" VENT STACK UP.

KING COLE BUILDING HOTEL

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SEAL | DATE

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	02/28/2025

CIRCLE DESIGN GROUP
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CDG PROJECT NO. 24085

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NUMBER
P-301

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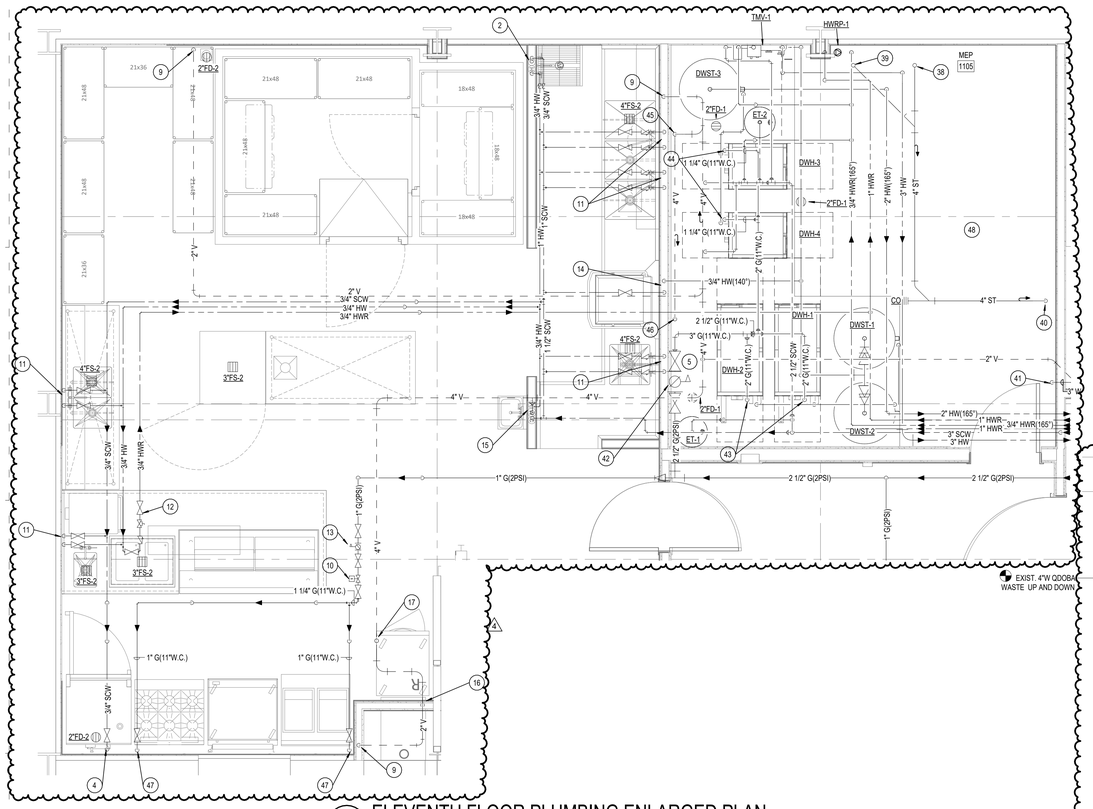


3 ELEVENTH FLOOR PLUMBING ENLARGED PLAN

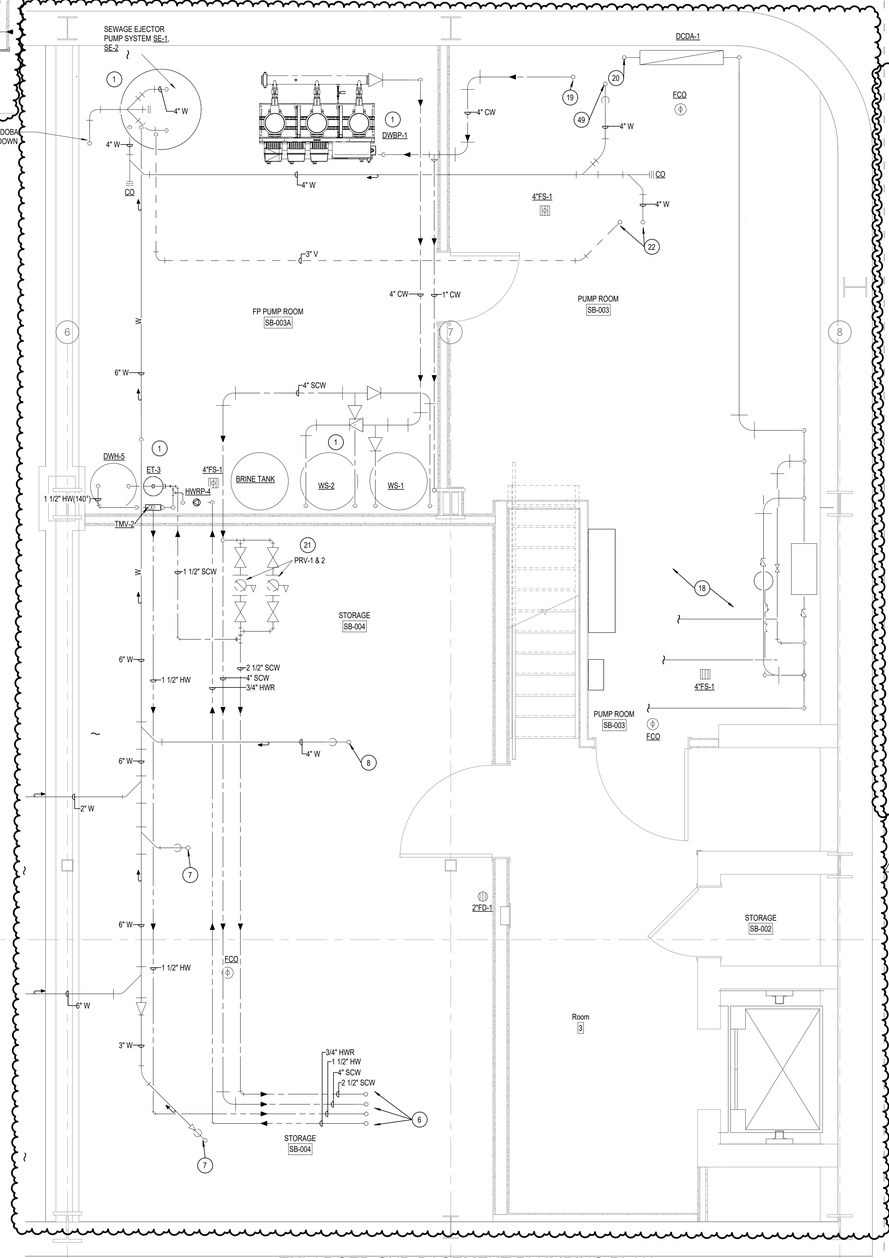
3/8" = 1'-0"

0 2' 4' 6'

2 LAUNDRY 016 PLUMBING ENLARGED PLAN

3/8" = 1'-0"

0 2' 4' 6'



1 ENLARGED SUB-BASEMENT PLUMBING PLAN

3/8" = 1'-0"

0 2' 4' 8'

GENERAL PLUMBING NOTES:

A. REFERENCE SHEET M-000 FOR PLUMBING SYMBOLS, LEGENDS, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
B. CLEANOUTS REQUIRED AT BASE OF EACH WASTE AND STORM STACK, AS INDICATED ON DRAWINGS, AND AS REQUIRED BY PLUMBING CODE.
C. REVIEW THE WORK OF ALL OTHER TRADES. COORDINATE AND PLAN WORK WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, MECHANICAL AND FIRE PROTECTION. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
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M. REFERENCE THE GETTYS GROUP DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE AND TRIM INFORMATION.

SHEET PLAN NOTES

1 SEE EQUIPMENT SCHEDULE ON P-501 AND DETAIL ON P-601.
2 3/4"SCW AND 3/4"HW DROP.
4 1/2"SCW DROP.
5 PROVIDE GAS PRESSURE REGULATOR CAPABLE OF RECEIVING 2PSI AND REDUCING DOWN TO 11"W.C. AND PROVIDING 2,800,000 BTUH.
6 4"SCW, 2 1/2"SCW, 1 1/2"HW AND 3/4"HWR LINES UP.
7 2"W WITH P-TRAP UP TO FLOOR DRAIN.
8 4"W WITH P-TRAP UP TO DT-1.
9 2"V RISE.
10 GAS SOLENOID SHUT OFF VALVE PROVIDED BY K.E.C. INSTALLED BY M.C. AND WIRED BY E.C.
11 1/2"SCW AND 1/2"HW DROP.
12 HOT WATER BALANCING STATION. SEE P-601 FOR DETAIL.
13 PROVIDE GAS PRESSURE REGULATOR CAPABLE OF RECEIVING 2PSI AND REDUCING DOWN TO 11"W.C. AND PROVIDING 390,000 BTUH.
14 1/2"SCW AND 3/4"HW(140°F) DROP.
15 2"SG DOWN, 1 1/2"V RISE, 1/2"SCW AND 1/2"HW DROP.
16 4"V RISE.
17 4"V UP TO 4'V.T.R.
18 SEE FIRE PROTECTION SHEETS.
19 4"CW UP.
20 6"F UP.
21 SEE WATER PIPING DIAGRAM ON P-401 FOR PRV SETTINGS.
22 4"W AND 3"V UP.
23 1 1/2"SCW AND 1 1/2"HW(165°F) DROP WITH SHUT OFF VALVE TO HOSE BIBB. FIELD DRILL DRAINS INTO DRAIN TROUGH. REFER TO DETAIL 1 / P-602.
24 1/2"HW UP.
25 1/2"SCW AND 1/2"HW UP.
26 PROVIDE A GAS PRESSURE REGULATING VALVE CAPABLE OF ACCEPTING 2PSI SERVICE PRESSURE AND REGULATING DOWN TO 11" W.C. PRESSURE SUPPLYING 400,000 BTUH.
27 1"G(11"W.C.) DROP TO DRYERS. PROVIDE SHUT OFF VALVE, UNION, AND DIRT LEG AT EQUIPMENT GAS TRAIN.
28 4"SCW, 2 1/2"SCW, 1 1/2"HW AND 3/4"HWR LINES DOWN.
29 4"SG, 3"V, 4"SCW, 3/4"HWR(165°F), 2"HW(165°F), AND 3"G(2PSI) UP.
30 3/4"G(11"W.C.) DROP. PROVIDE SHUT OFF VALVE, UNION, AND DIRT LEG AT EQUIPMENT GAS TRAIN.
31 PROVIDE A GAS PRESSURE REGULATING VALVE CAPABLE OF ACCEPTING 2PSI SERVICE PRESSURE AND REGULATING DOWN TO 11" W.C. PRESSURE SUPPLYING 125,000 BTUH.
32 PROVIDE A GAS PRESSURE REGULATING VALVE CAPABLE OF ACCEPTING 2PSI SERVICE PRESSURE AND REGULATING DOWN TO 11" W.C. PRESSURE SUPPLYING 125,000 BTUH.
33 4"W DOWN.
34 HOT WATER BALANCING STATION. SEE P-601 FOR DETAIL.
35 2"W DOWN, 1 1/2"V RISE, 1/2"SCW AND 1/2"HW DROP.
36 6"W UP.
37 3"W WITH P-TRAP UP TO FLOOR SINK.
38 4"ST UP TO ROOF DRAIN.
39 4"ST UP TO OVERFLOW DRAIN.
40 4"ST DOWN.
41 3"W DOWN.
42 PROVIDE A GAS PRESSURE REGULATING VALVE CAPABLE OF ACCEPTING 2PSI SERVICE PRESSURE AND REGULATING DOWN TO 11" W.C. PRESSURE SUPPLYING 2,800,000 BTUH.
43 2"G(11"W.C.) DROP TO WATER HEATER. PROVIDE SHUT OFF VALVE, UNION, AND DIRT LEG AT EQUIPMENT GAS TRAIN.
44 1 1/4"G(11"W.C.) DROP TO WATER HEATER. PROVIDE SHUT OFF VALVE, UNION, AND DIRT LEG AT EQUIPMENT GAS TRAIN.
45 4"V RISE WITHIN ROOM.
46 4"V RISE FROM BELOW.
47 4"G(11"W.C.) DROP TO KITCHEN EQUIPMENT. PROVIDE SHUT OFF VALVE, UNION, AND DIRT LEG AT EQUIPMENT GAS TRAIN.
48 REFER TO DETAILS 12 & 15 / P-601 FOR WATER HEATER PIPING DETAILS. REFER TO P-401 FOR OVERALL PIPING DIAGRAM.
49 4"W UP TO FLOOR SINK.

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3	50% CD	01/24/2025
4	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NUMBER
P-302

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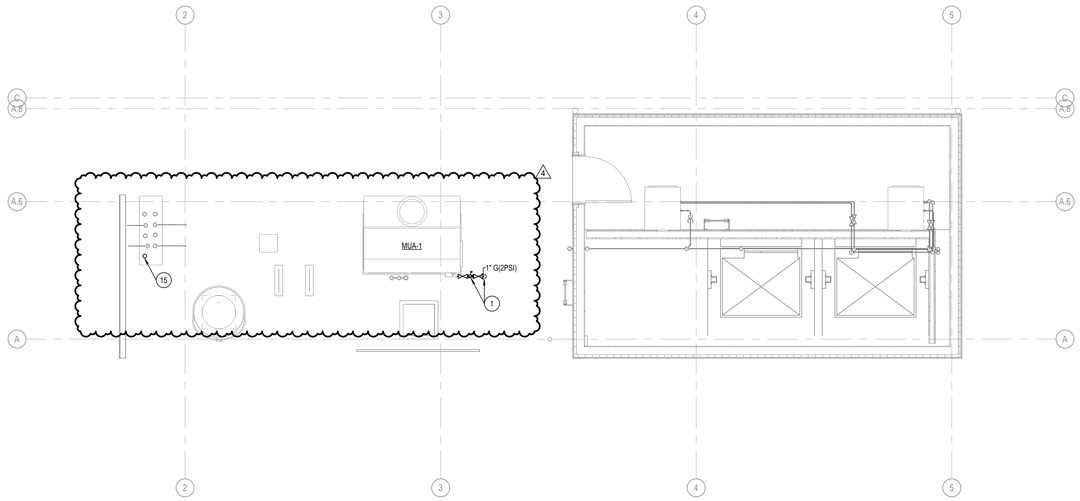
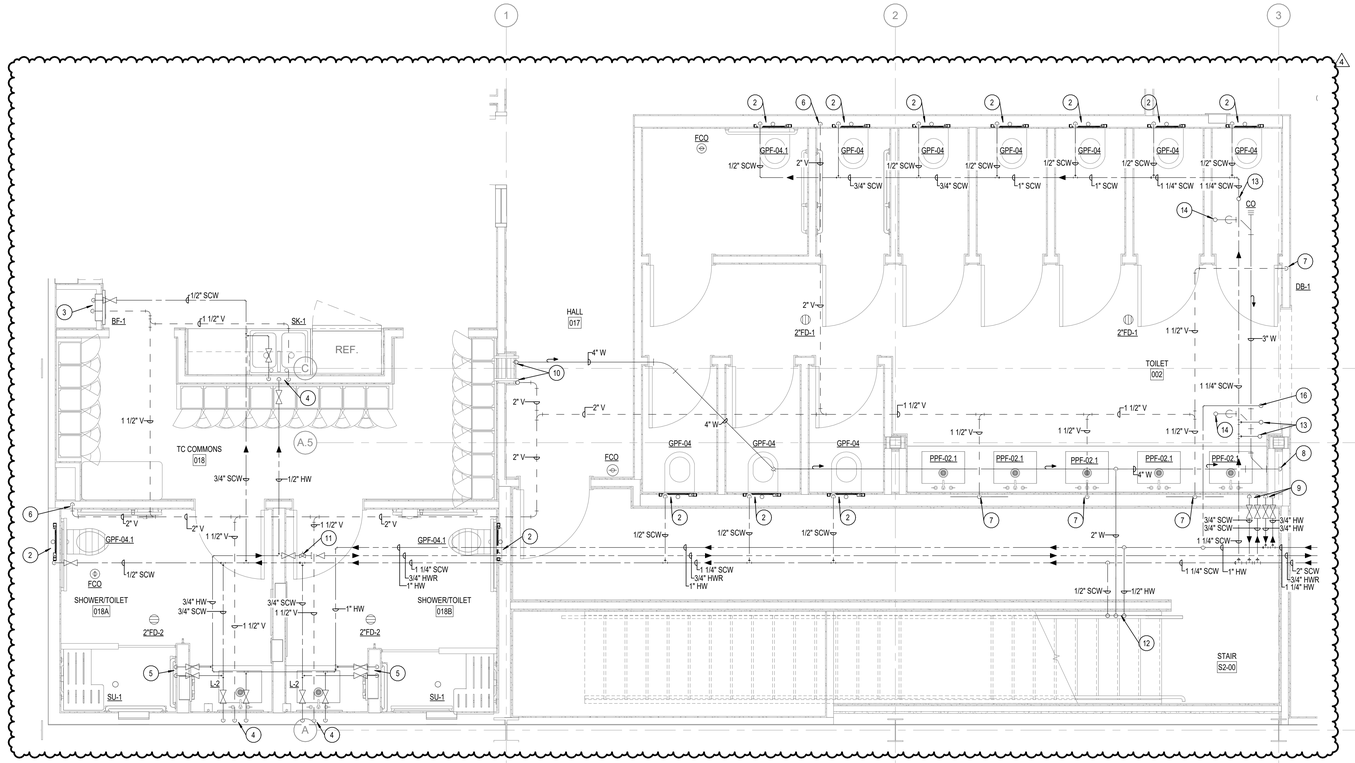


2 PENTHOUSE ROOF PLUMBING PLAN

1/4" = 1'-0"

0 2' 4' 8'



1 BASEMENT RESTROOMS PLUMBING ENLARGED PLAN

3/8" = 1'-0"

0 2' 4' 6'

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SHEET PLAN NOTES

1 1"G(2PSI) FROM BELOW. PROVIDE GAS PRESSURE REGULATOR CAPABLE OF RECEIVING 2PSI AND REDUCING DOWN TO 11"W.C. AND PROVIDING 260,000 BTUH. PROVIDE UNION AND DIRT LEG AT EQUIPMENT GAS TRAIN.
2 3"W DOWN, 1/2"SCW DROP.
3 2"W DOWN, 1 1/2"V RISE, 1/2"SCW DROP.
4 2"W DOWN, 1 1/2"V RISE, 1/2"SCW AND 1/2"HW DROP.
5 1/2"SCW AND 1/2"HW DROP.
6 2"V RISE.
7 2"W DOWN, 1 1/2"V RISE.
8 4"W DOWN.
9 3/4"SCW AND 3/4"HW DROP IN WALL TO LAVATORIES. PROVIDE FLOW SPLITTER FOR THE SCW AND HW LINES. SEE DETAIL 12 / P-601.
10 4"W AND 2"V UP.
11 HOT WATER BALANCING STATION SET TO 0.5 GPM. SEE DETAIL 5 / P-601.
12 2"W, 1/2"SCW, AND 1/2"HW UP.
13 1/2"SCW UP.
14 3"W WITH P-TRAP UP TO FLOOR SINK.
15 4"V DOWN AND UP TO 4"V.T.R.
16 1/2"HW UP.

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	50% CD	01/24/2025
4	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
PLUMBING ENLARGED PLANS

SHEET NUMBER
P-303

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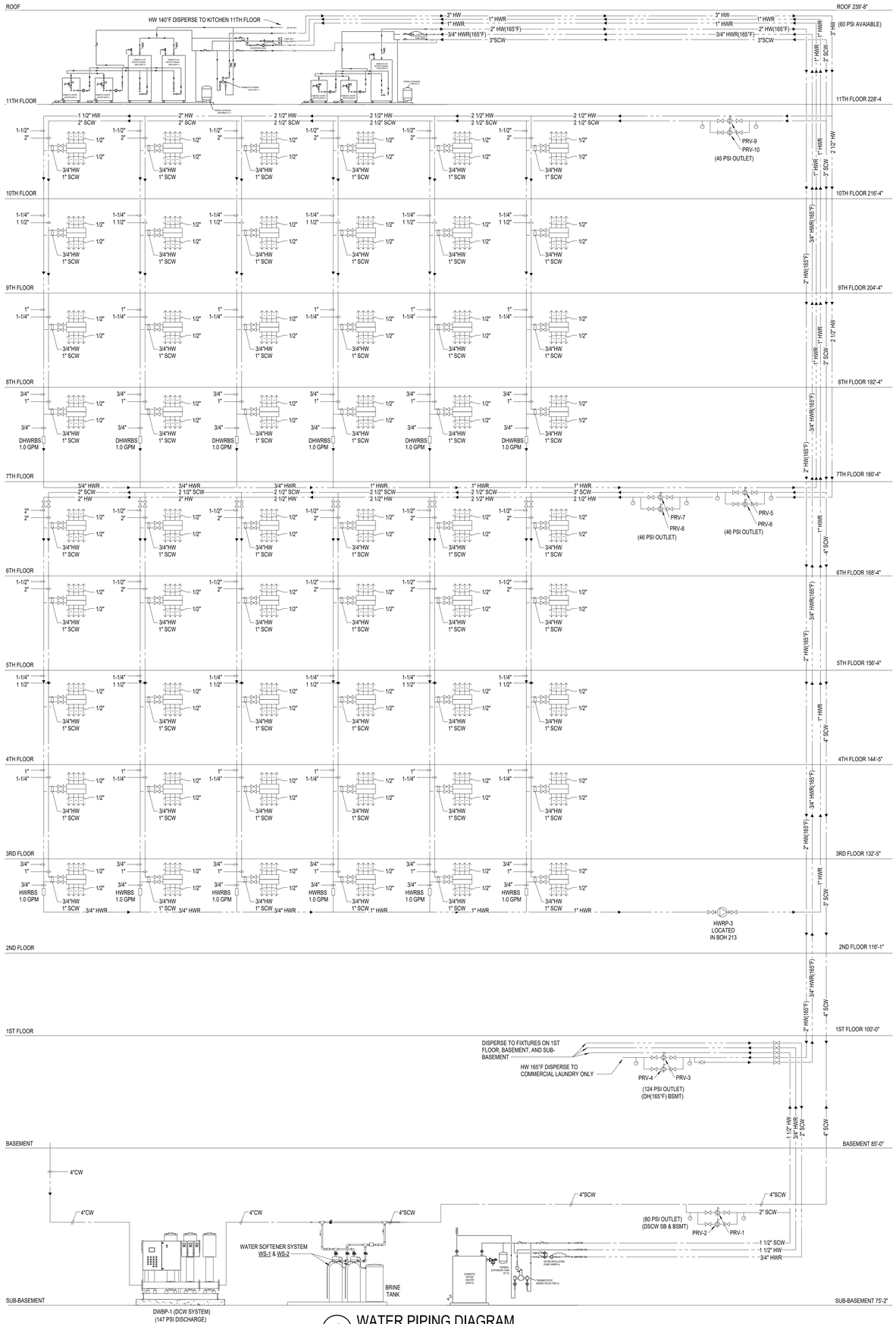

1 WATER PIPING DIAGRAM

NOT TO SCALE

KING COLE BUILDING HOTEL

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SHEET ISSUE

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2	**DD REISSUE**	**12/09/2024**
3	**100% CD**	**02/28/2025**

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CDG PROJECT NO. 24085

SHEET TITLE
PLUMBING RISER DIAGRAM

SHEET NUMBER
P-401

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DOMESTIC WATER PRESSURE REDUCING VALVE STATION SCHEDULE

MARK	LOCATION	SYSTEM	CLASS RATING	FLOW RATE GPM			SIZE	PRESSURE IN (PSI)	PRESSURE OUT (PSI)	NOTES
				LOW FLOW	HIGH FLOW	TOTAL				
PRV-1	SUB-BASEMENT	COLD WATER	150	-	-	85	-	127	80	1, 2
PRV-2	SUB-BASEMENT	COLD WATER	150	-	-	85	-	127	80	1, 2
PRV-3	BASEMENT	HOT WATER 165°F	150	-	-	35	-	-	124	1, 2
PRV-4	BASEMENT	HOT WATER 165°F	150	-	-	35	-	-	124	1, 2
PRV-5	6TH FLOOR	COLD WATER	150	-	-	91	-	85	46	1, 2
PRV-6	6TH FLOOR	COLD WATER	150	-	-	91	-	85	46	1, 2
PRV-7	6TH FLOOR	HOT WATER 120°F	150	-	-	79	-	71	46	1, 2
PRV-8	6TH FLOOR	HOT WATER 120°F	150	-	-	79	-	71	46	1, 2
PRV-9	10TH FLOOR	COLD WATER	150	-	-	78	-	65	45	1, 2
PRV-10	10TH FLOOR	COLD WATER	150	-	-	78	-	65	45	1, 2

NOTES:
1. CLA-VAL 90-01 SERIES OR EQUAL.
2. FIELD VERIFY PRESSURE IN AND ADJUST PRV'S ACCORDINGLY.

ELECTRIC WATER HEATER SCHEDULE

MARK	LOCATION	ELECTRICAL DATA				RECOVERY		NOMINAL STORAGE CAPACITY (GAL.)	EFF %	UNIT WEIGHT (LBS.)	MANUFACTURER WITH MODEL NUMBER	NOTES
		HP	KW	VOLTS	PHASE	GPH	RISE °F					
DWH-5	PUMP ROOM SB-003A	-	4.5	208	1	21	100	28	-	115	LOCHINVAR #JER-30 DAK	1

NOTES:
1. PIPE WATER HEATER T&P VALVE TO SEWAGE BASIN.
2. STORE WATER AT 140°F.

ROOF/OVERFLOW DRAIN SCHEDULE

SPECIFICATION SECTION 221316

MARK	DESCRIPTION	DRAIN BODY			STRAINER			MANUFACTURER WITH MODEL NUMBER	NOTES
		MATERIAL	OUTLET SIZE	OUTLET TYPE	MATERIAL	SIZE	TYPE		
RD-1	ROOF DRAIN	CAST IRON	4"	NO-HUB	DUCTILE IRON	-	SQUARE	J.R. SMITH #1410-T-M	-
OFD-1	OVERFLOW ROOF DRAIN	CAST IRON	4"	NO-HUB	DUCTILE IRON	-	SQUARE	J.R. SMITH #1410-T-M	-

NOTES:
1.

WATER HAMMER ARRESTOR SCHEDULE

TYPE	FIXTURE UNIT RATING	I.P.S.	ZURN NUMBER	NOTES
WHA-A	1-11	3/4"	1260XL-A	1, 2
WHA-B	12-32	1"	1260XL-B	1, 2
WHA-C	33-60	1"	1260XL-C	1, 2
WHA-D	61-113	1"	1260XL-D	1, 2
WHA-E	114-154	1"	1260XL-E	1, 2
WHA-F	155-330	1"	1260XL-F	1, 2

NOTES:
1. WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER THE PLUMBING DRAINAGE INSTITUTE (STANDARD PDI-WH 201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES AND ANY OTHER QUICK CLOSING VALVES ARE USED.
2. CERTIFIED TO NSF/ANSI 372 BY IAPMO.

THERMOSTATIC MIXING VALVE SCHEDULE

SPECIFICATION SECTION 221116

MARK	LOCATION	CAPACITY		PRESSURE DROP AT MAX FLOW (PSI)	CONNECTION SIZES			EXTERIOR FINISH	CABINET ENCLOSURE	WALL SUPPORT	SHUTOFF VALVES	THERMOMETER	LOCKING REGULATOR	MANUFACTURER WITH MODEL NUMBER	NOTES
		MAX FLOW (GPM)	MIN FLOW (GPM)		HW INLET (IN)	CW INLET (IN)	TEMPER OUTLET (IN)								
TMV-1	MEP 1105	105	5	10	2"	2"	2"	ROUGH BRONZE	NO	YES	YES	YES	NO	LAWLER #SEA805	1, 2, 3, 4, 5
TMV-2	PUMP ROOM SB-003A	23	5	8	1"	1"	1-1/4"	ROUGH BRONZE	NO	YES	YES	YES	NO	LAWLER #802	1, 2, 3, 4, 5

NOTES:
1. ASSE 1017 APPROVED.
2. ASSE LEAD FREE CERTIFIED.
3. SET OUTLET TEMPERATURE TO 120°F.
4. BRANCH LINES NOTED ON DRAWINGS NOTED TO TMV TO BE FULL LINE SIZE. THEN REDUCE AT THE TMV CONNECTOR SIZE.
5. PRE-PIPED MANIFOLD SYSTEM WITH DIGITAL TEMPERATURE READOUT, REMOTE ADJUSTABILITY AND REMOTE MONITORING - CONNECT TO BMS. 115V, 1Ph.

FLOOR DRAIN SCHEDULE

SPECIFICATION SECTION 221316

MARK	DESCRIPTION	DRAIN BODY			STRAINER			INTEGRAL TRAP	VANDAL PROOF	SEDIMENT BUCKET	FUNNEL	INTEGRAL CLEANOUT	MANUFACTURER WITH MODEL NUMBER	NOTES
		MATERIAL	OUTLET SIZE	OUTLET TYPE	MATERIAL	SIZE	TYPE							
FD-1	FLOOR DRAIN	CAST IRON	AS NOTED	NO-HUB	CAST IRON	AS REQ'D	ROUND	NO	YES	NO	NO	NO	J.R. SMITH #2005Y- A PB-U-HP	1, 2
FD-2	FLOOR DRAIN	CAST IRON	AS NOTED	NO-HUB	CAST IRON	AS REQ'D	ROUND	NO	YES	NO	YES	NO	J.R. SMITH #2005Y- A PB-U-HP-F37	1, 2
FS-1	FLOOR SINK	CAST IRON	AS NOTED	NO-HUB	CAST IRON	AS REQ'D	SQUARE	NO	NO	YES	NO	NO	J.R. SMITH #2415C	1, 2, 3
FS-2	FLOOR SINK	STAINLESS STEEL	AS NOTED	NO-HUB	STAINLESS STEEL	AS REQ'D	SQUARE	NO	NO	YES	NO	NO	J.R. SMITH #3004-SS-12-Y	1, 2, 3
DT-1	DRAIN TROUGH	PE	4"	NO-HUB	-	-	-	NO	NO	NO	NO	NO	STRIEM #TT-8	1, 2, 4

NOTES:
1. PROVIDE DEEP SEAL P-TRAP.
2. INSTALL DRAIN WITH "SURE SEAL", "TRAPGUARD" OR "QUAD CLOSE" FOR SEWER GAS BACKUP PROTECTION.
3. PROVIDE 1/2 GRATE AND SEDIMENT BUCKET.
4. WASHER INLETS TO BE FIELD DRILLED. CAN BE SIDE OR TOP INLET. REFER TO MANFACTURER'S INSTALLATION REQUIREMENTS.

BACKFLOW PREVENTER SCHEDULE

SPECIFICATION SECTION 221116

MARK	LOCATION	SYSTEM	TYPE	DESIGN CAPACITY (GPM)	PRESS. DROP (PSIG)	SIZE (IN)	MANUFACTURER WITH MODEL NUMBER	NOTES
BFP-1	PUMP ROOM SB-003	DOMESTIC	REDUCED PRESSURE ZONE ASSEMBLY	163	7	4"	WATTS 994-DOSY-FS 4	1, 2, 3, 4, 5
BFP-1	PUMP ROOM SB-003	DOMESTIC	REDUCED PRESSURE ZONE ASSEMBLY	163	7	4"	WATTS 994-DOSY-FS 4	1, 2, 3, 4, 5

NOTES:
1. USC APPROVED, 7.5 FPS FLOW.
2. IN-LINE, INDEPENDENT CHECK VALVES WITH AN INTERMEDIATE RELIEF VALVE, NON-RISING STEM RESILIENT SEATED GATE VALVES.
3. PROVIDE UNIT WITH AIR GAP DRAIN ASSEMBLY, PIPED TO NEAREST FLOOR DRAIN.
4. MAXIMUM MOUNTING HEIGHT OF 5'-0" ABOVE FLOOR.
5. LEAD FREE.

WATER SOFTENER SCHEDULE

SPECIFICATION SECTION 223102

MARK	LOCATION	MAXIMUM CAPACITY		MINIMUM CAPACITY		SERVICE FLOW RATES		BACKWASH FLOW RATE (GPM)	RESIN (CU.FT.)	SALT STORAGE CAPACITY (LBS.)	MANUFACTURER WITH MODEL NUMBER	NOTES
		GRAINS CAPACITY	SALT DOSAGE (LBS.)	GRAINS CAPACITY	SALT DOSAGE (LBS.)	CONTINUOUS GPM @ 15 PSI	PEAK GPM @ 25 PSI					
WS-1	PUMP ROOM SB-003	450,000	17 LB / CF	300,000	9 LB / CF	134	196	20			AQUA SYSTEMS AQVN450DXPST-3	1, 2, 3, 4
WS-2	PUMP ROOM SB-003	450,000	17 LB / CF	300,000	9 LB / CF	134	196	20			AQUA SYSTEMS AQVN450DXPST-3	1, 2, 3, 4

NOTES:
1. DUPLEX PROGRESSIVE FLOW, 3" VALVE NEST, STEEL TANK.
2. SYSTEM TO BE ASME 150 PSI CAPABLE.
3. ROUTE DRAIN LINE TO NEAREST FLOOR DRAIN.
4. PROVIDE (1) 30" X 46" BRINE TANK FOR THE WATER SOFTENER SYSTEM.

EXPANSION TANK SCHEDULE

SPECIFICATION SECTION 22 34 00

MARK	LOCATION	SYSTEM	CONFIGURATION	ESTIMATED SYSTEM VOLUME	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	PRECHARGE PRESSURE (PSIG)	MAXIMUM PRESSURE	CONNECTIONS		MANUFACTURER WITH MODEL NUMBER	NOTES
									SYSTEM (IN.)	DRAIN (IN.)		
ET-1	MEP 1105	DOMESTIC HOT WATER (120°F)	VERTICAL FLOOR MOUNTED	-	16.6	11.3	55	150	3/4	-	AMTROL ST-30VC-DD	1
ET-2	MEP 1105	DOMESTIC HOT WATER (165°F)	VERTICAL FLOOR MOUNTED	-	16.6	11.3	55	150	3/4	-	AMTROL ST-30VC-DD	1
ET-3	PUMP ROOM SB-003A	DOMESTIC HOT WATER (120°F)	INLINE	-	2.0	0.9	55	150	3/4	-	AMTROL ST-5C-DD	1

NOTES:
1. PRESSURIZE EXPANSION TANK TO EQUIVALENT WATER PRESSURE WITHIN BUILDING BEFORE INSTALLATION.

GAS WATER HEATER SCHEDULE

SPECIFICATION SECTION 223400

MARK	LOCATION	FUEL TYPE	HEATING CAPACITY				STORAGE CAPACITY (GAL.)	ELEC DATA	UNIT WEIGHT (LBS.)	MANUFACTURER WITH MODEL NUMBER	NOTES
			INPUT CAPACITY	MINIMUM EFFICIENCY	RECOVERY						
					GPH	RISE °F					
DWH-1 & 2	MEP 1105	NATURAL GAS	1000 MBH EA	98%	1187 (EA)	100	-	120 V 15 AMP	494	LOCHINVAR #AWH1000NPM	1
DWH-3 & 4	MEP 1105	NATURAL GAS	400 MBH EA	99%	479 (EA)	100	-	120 V 15 AMP	326	LOCHINVAR #AWH0400NPM	1
DWST-1 DWST-2	MEP 1105	-	-	-	-	-	200 (EA)	-	-	LOCHINVAR #RJA200	2
DWST-3	MEP 1105	-	-	-	-	-	200	-	-	LOCHINVAR #RJA200	3

NOTES:
1. PROVIDE CONCENTRIC VENT KIT, ALARM ON ANY FAILURE AND CONDENSATE NEUTRALIZATION KIT FOR EACH WATER HEATER.
2. STORE WATER AT 140°F.
3. STORE WATER AT 165°F.

PLUMBING FIXTURE ROUGH-IN SCHEDULE

SPECIFICATION SECTION 224000

MARK	FIXTURE TYPE	ROUGH-IN SIZES				FIXTURE MOUNTING HEIGHT	NOTES
		WASTE SIZE	VENT SIZE	CW SIZE	HW SIZE		
GPF-04	WATER CLOSET	4"	2"	1/2"	-	REFER TO ARCHITECTURAL DRAWINGS	1, 2
GPF-04.1	WATER CLOSET, ADA COMPLIANT	4"	2"	1/2"	-	REFER TO ARCHITECTURAL DRAWINGS	1, 2
GPF-03	GUEST LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	1, 5, 8
PPF-01.1	PUBLIC LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	1
PPF-02.1	PUBLIC LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	
GPF-01	GUEST SHOWER UNIT	2"	1-1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	
GPF-01.1	GUEST SHOWER UNIT	2"	1-1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	
L-1	LAVATORY, WALL HUNG, ADA COMPLIANT	1-1/2"	1-1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	
L-2	LAVATORY, UNDERMOUNT, ADA COMPLIANT	1-1/2"	1-1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	
SU-1	SHOWER UNIT	1-1/2"	1-1/2"	1/2"	1/2"	REFER TO ARCHITECTURAL DRAWINGS	
SK-1	DOUBLE COMPARTMENT STAINLESS STEEL SINK	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER MOUNTED	1, 8
BF-1	BOTTLE FILLER	2"	1 1/2"	1/2"	-	SEE SPECIFICATION	1
MB-1	MOP SERVICE BASIN	3"	2"	1/2"	1/2"	FLOOR MOUNTED	1
LS-1	LAUNDRY SINK, TWO COMPARTMENT	2"	1 1/2"	1/2"	1/2"	FLOOR MOUNTED	1
EEW-1	EMERGENCY EYE/FACE WASH UNIT	-	-	3/4"	3/4"	REFER TO DETAIL 4 / P-602	1
HB-1	HOSE BIBB	-	-	3/4"	-	18"	1
WH-1	NON-FREEZE WALL HYDRANT	-	-	3/4"	-	24"	6
DB-1	DRAIN BOX	2"	1 1/2"	-	-	REFER TO DETAIL 2 / P-602	6

NOTES:
1. MOUNTING HEIGHT IS FROM FINISHED FLOOR.
2. WALL MOUNTED WATER CLOSET WITH MANUAL OPERATED FLUSH VALVE.
3. INSULATE DRAIN AND WATER SUPPLIES WITH INSULATION KIT.
4. 27" MINIMUM KNEE CLEARANCE WITH MINIMUM 9" TOE CLEARANCE.
5. MOUNTING HEIGHT IS FROM FINISHED GRADE.
6. LAVATORY INTEGRAL WITH COUNTER.
7. PROVIDE THE CABINET SUPPLIER WITH APPROVED SHOP DRAWINGS SHOWING THE SIZE OF THE REQUIRED OPENING IN THE CABINET ENCLOSURE FOR THE PROPER INSTALLATION OF THE LAVATORY, TRIM, OR SINK.
8. PROVIDE ALL COORDINATION, ROUGH-INS, SERVICE LINE PIPING, VALVES AND TRAPS AS REQUIRED FOR THE COMPLETE INSTALLATION OF EQUIPMENT PROVIDED BY OTHERS.
9. PROVIDE FIRE STOPPING AT WALL PENETRATION WITH WATER CLOSET CARRIER, WASTE NIPPLE, THRUST BEARING BOLTS, CW SUPPLY, ETC.

PUMP SCHEDULE

MARK	LOCATION	SYSTEM	TYPE	DESIGN CAPACITY (GPM)	DESIGN CAPACITY (FT. HD)	MIN EFF.	PUMP		MOTOR DATA				MANUFACTURER WITH MODEL NUMBER	NOTES
							SUCT. (IN)	DISCH (IN)	HP	RPM	VOLTS	PH		
DWBP-1	PUMP ROOM SB-003A	DOMESTIC WATER	TRIPLEX DOMESTIC WATER BOOSTER PUMP PACKAGE	165	263	68%	4"	4"	10	3600	208	3	B&G TECHNOFORCE - V3VED4J50B1GCK	1, 2
HWRP-1	MEP 1105	DOMESTIC WATER	165°F DOMESTIC HOT WATER CIRCULATION	3	14	-	3/4"	3/4"	1/6	3300	115	1	B&G #PL-36B	3, 4
HWRP-2	MEP 1105	DOMESTIC WATER	120°F HWR BOOST	6	60	-	1"	1	2	3600	208	1	B&G #ECOCIRC XL N #70-145	3, 4
HWRP-3	BOH 213	DOMESTIC WATER	120°F HWR BOOST	6	60	-	1"	1	2	3600	208	1	B&G #ECOCIRC XL N #70-145	3, 4
HWRP-4	PUMP ROOM SB-003A	DOMESTIC WATER	120°F DOMESTIC HOT WATER CIRCULATION	3	14	-	3/4"	3/4"	1/6	3300	115	1	B&G #PL-36B	3, 4
SE-1 & 2	PUMP ROOM SB-003A	DUPLEX SEWAGE EJECTOR GRINDER PUMP	SANITARY	60 EA.	20	22.7	2"	2"	5 EA.	3600	208	3	GOULDS #2GA81H1KD DUPLEX GRINDER PUMP	5

NOTES
1. SKID MOUNTED PACKAGED TRIPLEX DOMESTIC WATER PRESSURE BOOSTER SYSTEM. VARIABLE SPEED DRIVES, PROGRAMMABLE CONTROLS, MINIMUM SUCTION PRESSURE: 33PSI. OVERALL SYSTEM PRESSURE BOOST OF 114PSI. DISCHARGE PRESSURE OF 147PSIG WITH A SUPPLY FLOW RATE OF 0 TO 165 GPM. VERTICALLY MOUNTED PUMPS, UNIT TO BE PROVIDED WITH A STAINLESS STEEL OR COPPER INLET AND DISCHARGE MANIFOLDS. UNIT TO BE PROVIDED WITH A DIAPHRAGM TANK EQUAL TO WESSELS FXA-85-HP.
2. DISCONNECT DISCHARGE OR SUCTION CONNECTIONS AS NECESSARY TO FIT THROUGH DOORWAYS.
3. LEAD-FREE IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
4. PUMP IS CONTROLLED BY STRAP ON AQUASTAT.
5. EXISTING SUMP PIT IS TO BE PROVIDED WITH A NEW COVER , DUPLEX RAIL REMOVAL SYSTEM, ALTERNATING CONTROL PANEL AND ALL ASSOCIATED ACCESSORIES. SEE SPECIFICATION SECTION 22 13 21 FOR ADDITIONAL INFORMATION

PLUMBING EQUIPMENT SCHEDULE

MARK	LOCATION	MAKE AND MODEL NO.	DESCRIPTION	CAPACITY	ELECTRICAL CHARACTERISTICS	NOTES
GI-1	ELECTRIC/MEP 011	SCHEIR #GB250	GREASE INTERCEPTOR	250 GAL.	N/A	1

NOTES:
1. GREASE CAPACITY OF1,895 LBS.

KING COLE BUILDING HOTEL

1 N. Meridian
Indianapolis, IN 46204

Owner
Indy PropCo LLC
300 North LaSalle Street, Suite 4900
Chicago, IL 60654

Architect
RATIO
101 South Pennsylvania Street
Indianapolis, Indiana 46204
(317) 633-4040

Structural Engineer Exterior
ARSEE ENGINEERS, INC.
9715 Kincaid Drive, Suite 100
Fishers, IN 46037-9459
(317) 594-5152

Structural Engineer Interior
LAWSON ELSER
650 E. Carmel Dr., Suite 150
Carmel, IN 46032
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Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row Suite 150
Indianapolis, IN 46240
317-781-6200

Civil Engineer
CEC
530 E. Ohio Street, Suite G
Indianapolis, IN 46204
(317) 655-7777

SEAL | DATE

DAVID M. BARRIENTOS — REGISTERED — No. PE10310218 — STATE OF INDIANA — PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	50% CD	01/24/2025
4	100% CD	02/28/2025

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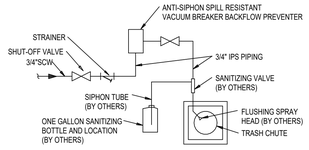
CDG PROJECT NO. 24085

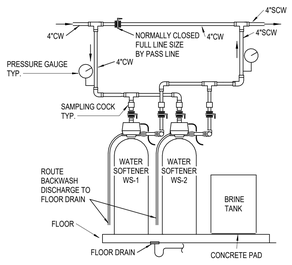
SHEET TITLE
PLUMBING SCHEDULES

SHEET NUMBER
P-501

2/28/2025 3:24:39 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt



17 TRASH CHUTE SANITIZER DETAIL
NOT TO SCALE



16 DUPLEX WATER SOFTENER PIPING DETAIL
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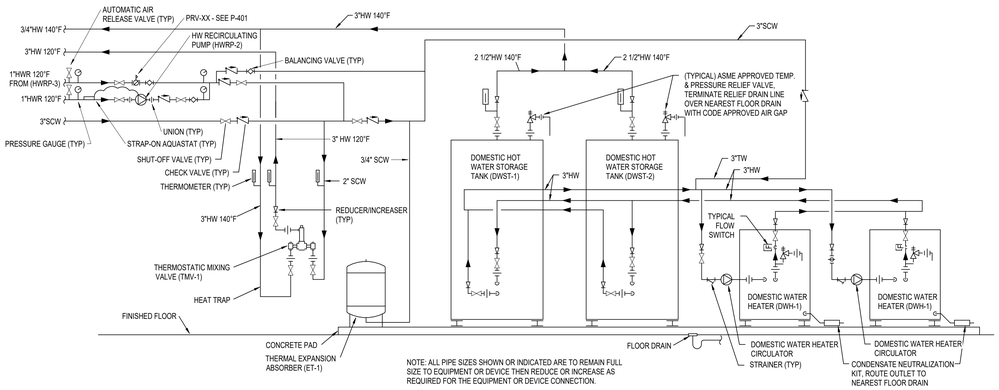
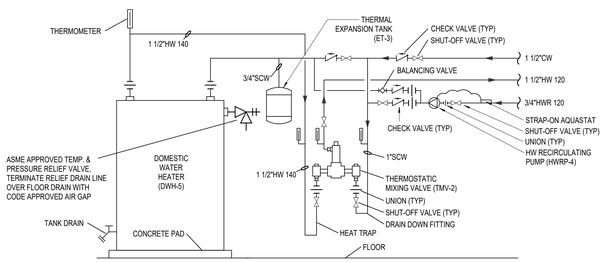


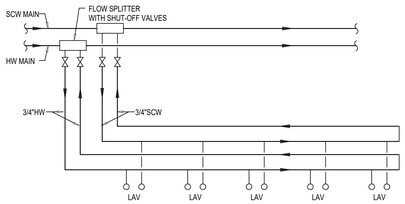
NOTE: ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION.

15 DWH-1 & 2 PIPING DETAIL
NOT TO SCALE

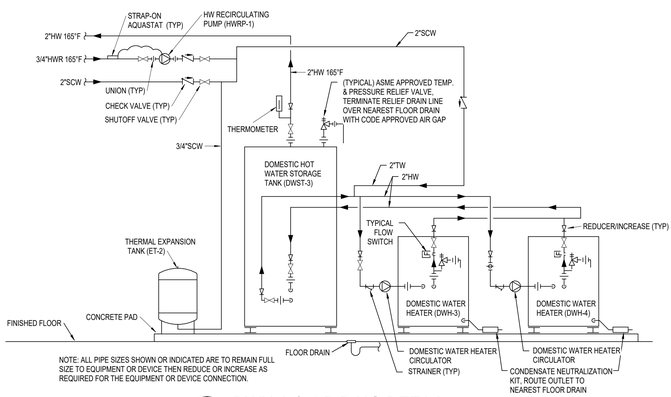


NOTE: ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION.

14 DWH-5 PIPING DETAIL
NOT TO SCALE

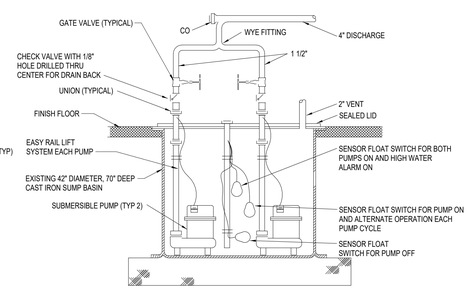


12 FLOW SPLITTER DETAIL
NOT TO SCALE

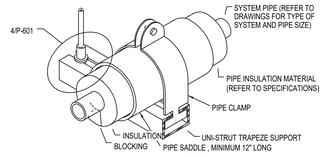


NOTE: ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION.

13 DWH-3 & 4 PIPING DETAIL
NOT TO SCALE

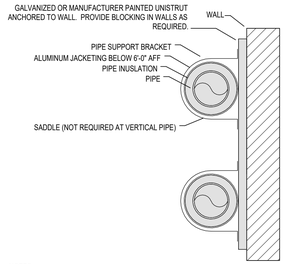


11 SUMP BASIN/PUMP DETAIL
NOT TO SCALE



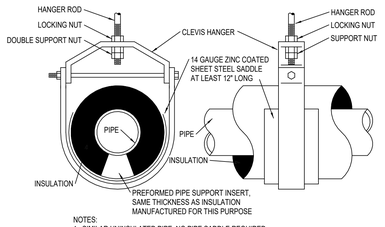
1. SIMILAR - STEEL ANGLE, BEAM OR OTHER SUPPORT MEMBER.
2. TRAPEZE TO BE EITHER ZINC COATED, FACTORY PAINTED UNISTRUT, PRIME PAINTED STEEL OR GALVANIZED. ALL ACCESSORIES TO BE ZINC PLATED OR GALVANIZED.
3. ALL EXTERIOR ITEMS TO BE GALVANIZED.
4. SIZE TRAPEZE, UNISTRUT, ANGLE, BEAM, ETC. TO LIMIT DEFLECTION TO L/360.
5. MINIMUM TWO SUPPORTS REQUIRED TO STRUCTURE ON EACH TRAPEZE.
6. PROVIDE HORIZONTAL SPACING PER SHORTEST ALLOWABLE PIPE OR CONDUIT SPAN BASED ON CONDUIT OR PIPE SIZE, MATERIAL AND TEMPERATURE.
7. STORM, SANITARY, AND ELECTRICAL / DATA REQUIRE SEPARATE TRAPEZE AND SUPPORTS.
8. SIMILAR - UNINSULATED PIPE AND ELECTRICAL CONDUIT. NO PIPE SADDLE REQUIRED.
9. PROVIDE MINIMUM 4 INCH CLEARANCE FROM FINISHED CEILING HEIGHT TO BOTTOM OF ANY TRAPEZE AND / OR TRAPEZE SUPPORTS.

10 INSULATED PIPE TRAPEZE DETAIL
NOT TO SCALE



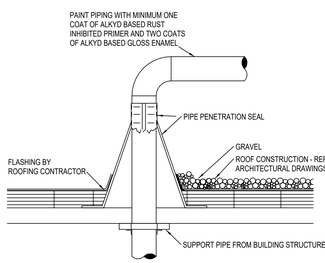
NOTES:
1. PIPING AND CONDUITS TO BE INSTALLED IN WALLS OR ABOVE CEILINGS UNLESS SPECIFICALLY NOTED OTHERWISE ON PLAN SHEETS.
2. SIMILAR FOR VERTICAL AND HORIZONTAL PIPING IN WALLS. PROVIDE SUPPORTS AND BRACKETS THAT FACILITATE CONTINUOUS INSULATION AND VAPOR JACKETING.

9 INSULATED PIPE WALL SUPPRT IN MECHANICAL ROOMS AND NON-FINISHED ACCESSIBLE AREAS
NOT TO SCALE

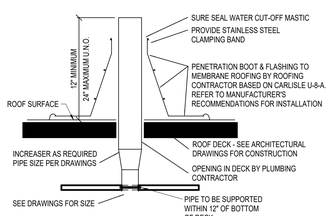


NOTES:
1. SIMILAR UNINSULATED PIPE, NO PIPE SADDLE REQUIRED.
2. PROVIDE HANGER OF SAME METAL AS PIPE FOR UNINSULATED METAL PIPE.
3. HANGERS, RODS, SADDLES, NUTS TO BE ZINC PLATED. CAN BE PRIME PAINTED FOR PAINTED CEILING AREAS ONLY.
4. PROVIDE GLAVANIZED HANGERS, RODS, SADDLES, NUTS ETC. ON EXTERIOR WORK.

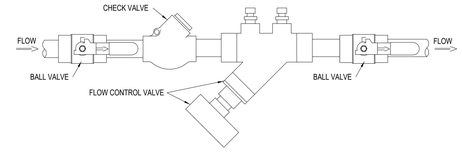
8 PIPE HANGER DETAIL
NOT TO SCALE



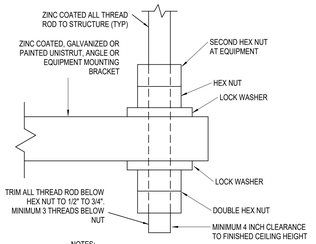
7 SINGLE PIPE THRU ROOF DETAIL
NOT TO SCALE



6 VENT THRU ROOF DETAIL
NOT TO SCALE

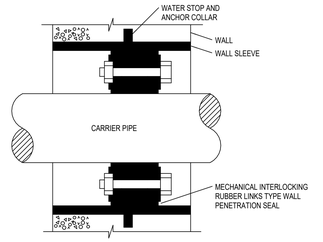


5 POTABLE HWR BALANCING VALVE STATION DETAIL
NOT TO SCALE

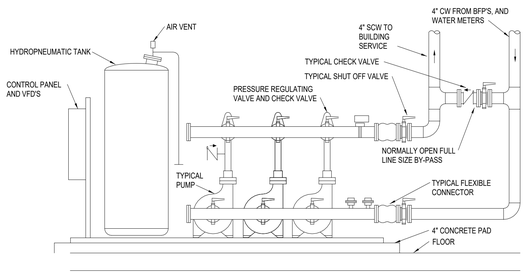


NOTES:
1. ALL HARDWARE ZINC COATED
2. SIMILAR FOR VIBRATION ISOLATION SUPPORT

4 TYPICAL THREADED ROD DETAIL
NOT TO SCALE

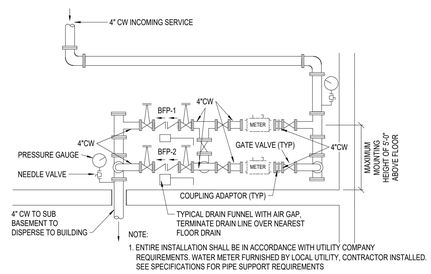


3 WALL/FLOOR SLEEVE DETAIL
NOT TO SCALE



NOTE: REFER TO SCHEDULE AND SPECIFICATIONS FOR ACTUAL QUANTITY OF PUMPS.

2 TRIPLEX DOMESTIC WATER BOOSTER PUMP
NOT TO SCALE



NOTE:
1. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. WATER METER FURNISHED BY LOCAL UTILITY, CONTRACTOR INSTALLED. SEE SPECIFICATIONS FOR PIPE SUPPORT REQUIREMENTS

1 MULTIPLE WATER METER PIPING DETAIL
NOT TO SCALE

KING COLE BUILDING HOTEL
1 N. Meridian
Indianapolis, IN 46204

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Indy PropCo LLC
300 North LaSalle Street, Suite 4900
Chicago, IL 60654

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SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10310218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	02/28/2025

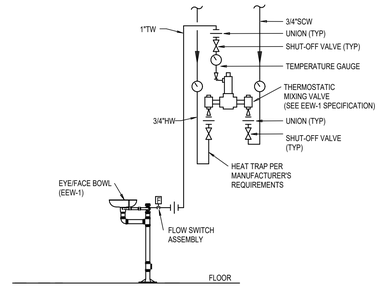
CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
PLUMBING DETAILS

SHEET NUMBER
P-601

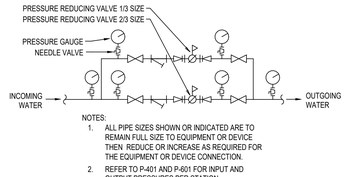
2/28/2025 3:24:44 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-PLUMB-V23.rvt



NOTE:
1) ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION
2) EXPOSED SHUT OFF VALVES TO BE LOCKABLE

4 EMERGENCY EYE/FACEWASH DETAIL

NOT TO SCALE



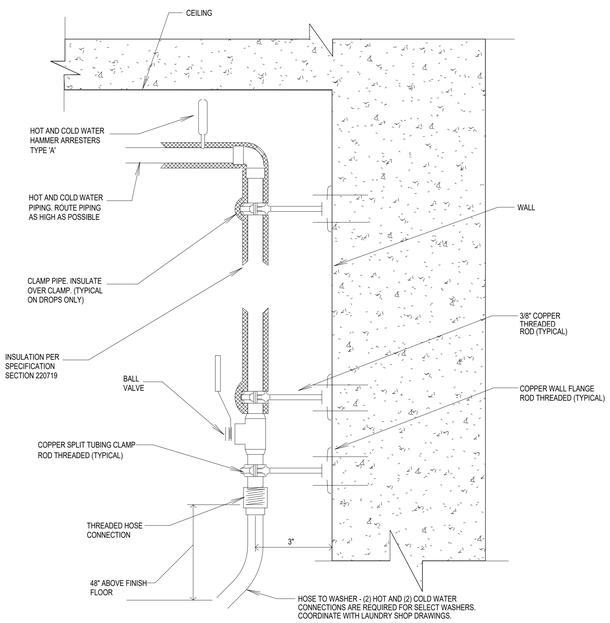
NOTES:
1. ALL PIPE SIZES SHOWN OR INDICATED ARE TO REMAIN FULL SIZE TO EQUIPMENT OR DEVICE THEN REDUCE OR INCREASE AS REQUIRED FOR THE EQUIPMENT OR DEVICE CONNECTION.
2. REFER TO P-401 AND P-601 FOR INPUT AND OUTPUT PRESSURES PER STATION

3 PRESSURE REDUCING VALVE DETAIL

NOT TO SCALE

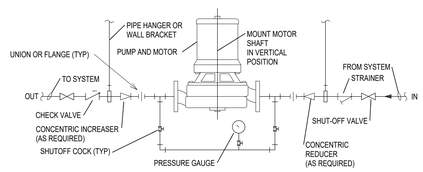
2 CONDENSATE DRAIN BOX DETAIL

NOT TO SCALE



1 COMMERCIAL CLOTHES WASHER

NOT TO SCALE



5 INLINE PUMP DETAIL

NOT TO SCALE

KING COLE BUILDING HOTEL

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CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
PLUMBING DETAILS

SHEET NUMBER
P-602

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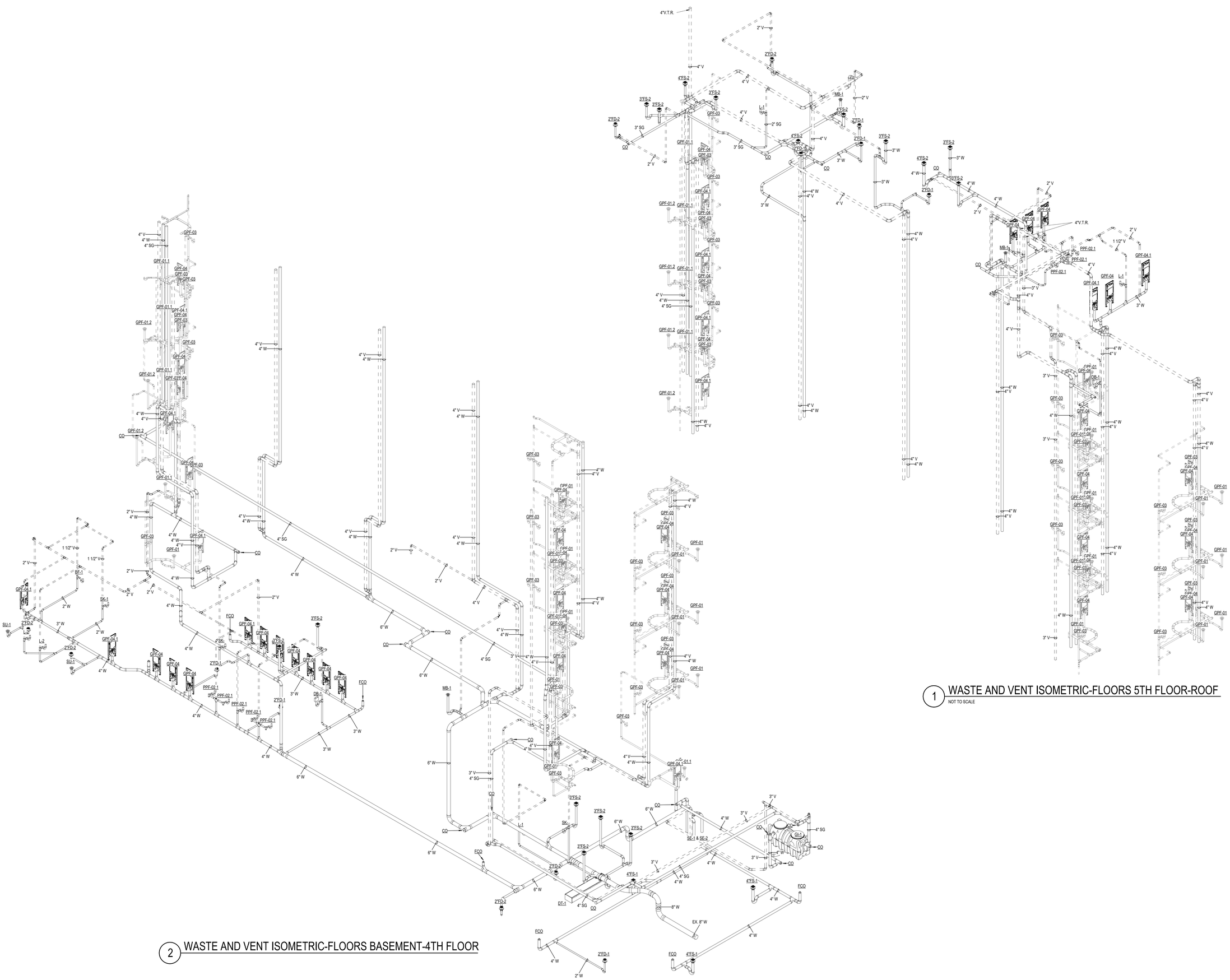
4"V.T.R.
2" V
2"FD-2
4" V
4"FS-2
3"FS-2
GPF-03
GPF-01.1
GPF-04
GPF-04.1
GPF-01.2
GPF-01
4" V
4" W
4" SG
2" SG
3" SG
CO
MB-1
L-1
2"FD-1
3" W
4" W
2" V
GPF-03
GPF-04
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2" W
FCO
4"FS-1
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BF-1
2" W
SK-1
SU-1
2"FD-2
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GPF-04.1
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GPF-04
GPF-03
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GPF-04.1
3"FS-2
SK-1
2"FD-1
3" W
DB-1
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PPF-02.1
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2"FD-2
6" W
4" W
2" W
2"FD-1
4" W
4" V
4" W
4" V
4" W
4" V

ABBREVIATIONS AND TERMS

Ø	DIAMETER, PHASE	ET	EXPANSION TANK	OAT	OUTSIDE AIR TEMPERATURE (°F)
°F	DEGREES FAHRENHEIT	EW	EMERGENCY EYEWASH	OBD	OPPOSED BLADE DAMPER
A/C	AIR CONDITIONING	EWC	ELECTRIC WATER COOLER	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
AAV	AIR ADMITTANCE VALVE	EWT	ENTERING WATER TEMPERATURE (°F)	OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
ACC	AIR COOLED CONDENSER	EXH	EXHAUST	OFD	OVERFLOW ROOF DRAIN
ACCU	AIR COOLED CONDENSING UNIT	EXIST/EX	EXISTING	OSD	OPEN SITE DRAIN
AD	AREA DRAIN, ACCESS DOOR	F	FURNACE	OZ	OUNCE
AFF	ABOVE FINISHED FLOOR	F&T	FLOAT AND THERMOSTATIC STEAM TRAP	P	PUMP
AFG	ABOVE FINISHED GRADE	FCO	FLOOR CLEANOUT	PBD	PARALLEL BLADE DAMPER
AFMS	AIR FLOW MEASURING STATION	FCU	FAN COIL UNIT	PC	PLUMBING CONTRACTOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	FD	FLOOR DRAIN, FIRE DAMPER	PD	PRESSURE DROP
AGA	AMERICAN GAS ASSOCIATION	FDC	FIRE DEPARTMENT CONNECTION	PE	PNEUMATIC ELECTRIC
AHU	AIR HANDLING UNIT	FDTN	FOUNDATION	PH	PHASE
AL	ACOUSTICALLY LINED, ALUMINUM	FE	FIRE EXTINGUISHER	PIV	POST INDICATOR VALVE
AMB	AMBIENT	FHC	FIRE HOSE CABINET	PPM	PARTS PER MILLION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	FLR	FLOOR	PRV	PRESSURE REDUCING VALVE
AO	ANALOG OUTPUT	FM	FACTORY MUTUAL	PSI	POUNDS PER SQUARE INCH
AP	ACID PROOF, ACCESS PANEL	FPM	FEET PER MINUTE	PSIG	POUNDS PER SQUARE INCH GAUGE
APD	AIR PRESSURE DROP (IN. WC.)	FPVAV	FAN POWERED VAV UNIT	PTAC	PACKAGED TERMINAL AIR CONDITIONER
ARCH	ARCHITECT	FS	FLOOR SINK	PVC	POLYVINYL CHLORIDE
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE	FSC	FIRE SUPPRESSION CONTRACTOR	R	REGISTER, REFRIGERANT
ARV	AIR RELIEF VALVE	FSD	COMBINATION FIRE/SMOKE DAMPER	RA	RETURN AIR
AS	AIR SEPARATOR	FT	FOOT, FEET	RAD	RADIATION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS	FTG	FOOTING	RAT	RETURN AIR TEMPERATURE (°F)
		FTR	FINNED TUBE RADIATION	RCP	REINFORCED CONCRETE PIPE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	G	NATURAL GAS	RD	ROOF DRAIN
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	GA	GAGE OR GAUGE	REV	REVOLUTIONS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GAL	GALLON	RF	RETURN FAN
ATM	ATMOSPHERE	GC	GENERAL CONTRACTOR	RG	RETURN GRILLE
AUTO	AUTOMATIC	GIV	GRAVITY INTAKE VENTILATOR	RH	RELATIVE HUMIDITY, ROOF HYDRANT
AV	AUTOMATIC VENT	GPD	GALLONS PER DAY	RM	ROOM
AVG	AVERAGE	GPH	GALLONS PER HOUR	RP	RADIANT PANEL
AVS	ACID VENT STACK	GPM	GALLONS PER MINUTE	RPM	REVOLUTIONS PER MINUTE
AW	ACID WASTE	GR	GRILLE, GRAINS	RPS	REVOLUTIONS PER SECOND
AWWA	AMERICAN WATER WORKS ASSOCIATION	GRV	GRAVITY RELIEF VENTILATOR	RTU	ROOF TOP UNIT
BD	BUTTERFLY DAMPER	GT	GREASE TRAP	RV	RELIEF VALVE, ROOF VENT
BDD	BACKDRAFT DAMPER	HB	HOSE BIBB	SA	SUPPLY AIR
BE	BOTTOM ELEVATION	HD	HEAD (FT.)	SAN	SANITARY
BHP	BRAKE HORSEPOWER	Hg	MERCURY	SD	SUPPLY DIFFUSER, SMOKE DAMPER
BLDG	BUILDING	HWP	HEATING HOT WATER PUMP	SEER	SEASONAL ENERGY EFFICIENCY RATIO
BOD	BOTTOM OF DUCT	HO	HUB OUTLET	SF	SQUARE FOOT, SUPPLY FAN, SAFETY FACTOR
BOP	BOTTOM OF PIPING	HORIZ	HORIZONTAL	SG	SUPPLY GRILLE
BSMT	BASEMENT	HP	HORSEPOWER, HEAT PUMP	SU	SHOWER UNIT
BT	BATHTUB	HR	HOUR(S)	SK	SINK
BTM	BOTTOM	HRTU	HEATING ONLY ROOFTOP UNIT	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
BtuH	BRITISH THERMAL UNIT PER HOUR	HRV	HEAT RECOVERY VENTILATOR		
CA	COMPRESSED AIR	HX	HEAT EXCHANGER	SP	STATIC PRESSURE
CAV	CONSTANT AIR VOLUME	Hz	HERTZ	SPEC	SPECIFICATION
CB	CATCH BASIN	IB	INVERTED BUCKET STEAM TRAP	SQ	SQUARE
CCW	COUNTERCLOCKWISE	ID	INSIDE DIAMETER	SR	SUPPLY REGISTER
CD	CONDENSATE DRAIN	IN	INCH, INCHES	SRV	SAFETY RELIEF VALVE
CO_2	CARBON DIOXIDE	INT	INTERIOR	SS	SERVICE SINK, STAINLESS STEEL
CFM	CUBIC FEET PER MINUTE	INV EL	INVERT ELEVATION	STD	STANDARD
CH	CHILLER	IPS	INTERNATIONAL PIPE STANDARD	SV	STEAM VENT
CHP	CHILLED WATER PUMP	IW	INDIRECT WASTE	TCC	TEMPERATURE CONTROL CONTRACTOR
CI	CAST IRON	KEC	KITCHEN EQUIPMENT CONTRACTOR	TCP	TEMPERATURE CONTROL PANEL
CMP	CORRUGATED METAL PIPE	kW	KILOWATT	TD	TEMPERATURE DIFFERENCE
CO	CLEANOUT / CARBON MONOXIDE	LAB	LABORATORY	TE	TOP ELEVATION
COMPR	COMPRESSOR	LAT	LEAVING AIR TEMPERATURE (°F)	TEMP	TEMPERATURE
COND	CONDENSER	L	LAVATORY	TF	TRANSFER FAN
CONV	CONVECTOR	LBS	POUNDS	TG	TRANSFER GRILLE
CP	CONDENSATE PUMP	LD	LINEAR DIFFUSER	TMV	THERMOSTATIC MIXING VALVE
CPVC	CHLORINATED POLYVINYL CHLORIDE	LP	LIQUID PETROLEUM	TONS	TONS OF REFRIGERATION
CT	COOLING TOWER	LTG	LIGHTING	TP	TRAP PRIMER
CU	CONDENSING UNIT	LWT	LEAVING WATER TEMPERATURE (°F)	TRANS	TRANSITION
CUH	CABINET UNIT HEATER	MA	MIXED AIR	TS	TAMPER SWITCH, TUB SHOWER
CUV	CLASSROOM UNIT VENTILATOR	MAT	MIXED AIR TEMPERATURE (°F)	TSP	TOTAL STATIC PRESSURE (IN. WC.)
CV	CONTROL VALVE	MAX	MAXIMUM	TXV	THERMAL EXPANSION VALVE
CW	CLOCKWISE	MB	MOP BASIN	TYP	TYPICAL
CWP	CONDENSER WATER PUMP	MBH	THOUSAND Btu PER HOUR	UC	UNDERCUT DOOR
dB	DECIBEL	MC	MECHANICAL CONTRACTOR	UH	UNIT HEATER
DB	DRY BULB	MCA	MINIMUM CIRCUIT AMPS	UL	UNDERWRITERS LABORATORIES
DF	DRINKING FOUNTAIN	MCC	MOTOR CONTROL CENTER	UNO	UNLESS NOTED OTHERWISE
DG	DOOR GRILLE	MD	MOTORIZED DAMPER	UR	URINAL
DH	DUCT HEATER	MFR	MANUFACTURER	UV	UNIT VENTILATOR, ULTRAVIOLET
DI	DIGITAL INPUT, DISTILLED WATER	MH	MANHOLE	V	VOLTS, VENT
DIA	DIAMETER	MIN	MINIMUM	VAC	VACUUM
DN	DOWN	MISC	MISCELLANEOUS	VAV	VARIABLE AIR VOLUME
DO	DIGITAL OUTPUT	MS	MOP SINK	VB	VACUUM BREAKER
DS	DOWNSPOUT, DOWN STREAM	MTD	MOUNTED	VD	VOLUME DAMPER
DWG	DRAWING	MV	MANUAL VENT	VEL	VELOCITY
DWH	DOMESTIC WATER HEATER	N	NITROGEN	VERT	VERTICAL
DWV	DRAIN, WASTE & VENT	NA	NOT APPLICABLE	VF	VENTILATION FAN
DX	DIRECT EXPANSION	NC	NOISE CRITERIA, NORMALLY CLOSED	VFD	VARIABLE FREQUENCY DRIVE
EA	EXHAUST AIR	NEC	NATIONAL ELECTRIC CODE	VTR	VENT THROUGH ROOF
EAT	ENTERING AIR TEMPERATURE (°F)	NFC	NATIONAL FIRE CODE	W	WASTE, WATT
EC	ELECTRICAL CONTRACTOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	WC	WATER COLUMN
ECO	EXTERIOR CLEANOUT	NFWH	NON-FREEZE WALL HYDRANT	WB	WET BULB
EDR	EQUIVALENT DIRECT RADIATION	NIC	NOT IN CONTRACT	WC	WATER CLOSET
EER	ENERGY EFFICIENCY RATIO	NO	NORMALLY OPEN, NITROUS OXIDE	WCO	WALL CLEANOUT
EF	EXHAUST FAN	NOM	NOMINAL	WH	WALL HYDRANT
EFF	EFFICIENCY	NPW	NON-POTABLE WATER	WPD	WATER PRESSURE DROP (FT. HD.)
EG	EXHAUST GRILLE	NTS	NOT TO SCALE	WSHP	WATER SOURCE HEAT PUMP
EL	ELEVATION	O	OXYGEN	YD	YARD DRAIN
EOM	END OF MAIN DRIP	OA	OUTSIDE AIR		
ERV	ENERGY RECOVERY VENTILATOR	OAI	OUTSIDE AIR INTAKE		
ES	EMERGENCY SHOWER				
ESP	EXTERNAL STATIC PRESSURE (IN. WG.)				

PIPING LINE SYMBOLS

MAKE UP WATER	MU	DOMESTIC COLD WATER (CW)	
AIR RELIEF VENT	ARV	DOMESTIC HOT WATER SUPPLY (HW)	
HEATING WATER SUPPLY	HS	DOMESTIC HOT WATER RETURN (HWR)	
HEATING WATER RETURN	HR	140°F HOT WATER	HW 140
REFRIGERANT DISCHARGE	RD	140°F HOT WATER RETURN	HWR 140
REFRIGERANT SUCTION	RS	NON-POTABLE WATER	NPW
REFRIGERANT LIQUID	RL	SOFT COLD WATER	SCW
REFRIGERANT HOT GAS	RHG	DEIONIZED WATER	DE
CONDENSER WATER SUPPLY	CS	FIRE SUPPRESSION	F
CONDENSER WATER RETURN	CR	NATURAL GAS (WC OR PSIG)	G
CHILLED WATER SUPPLY	CHS	GAS VENT	GV
CHILLED WATER RETURN	CHR	LIQUID PETROLEUM	LP
CONDENSATE DRAIN	CD	MEDICAL COMPRESSED AIR (WC OR PSIG)	MA
STORM DRAIN	ST	MEDICAL VACUUM	MV
FOOTING/FOUNDATION DRAIN	FD	OXYGEN	O
SANITARY WASTE OR SOIL (W)	W	NITROGEN	N
SANITARY GREASE	SG	NITROUS OXIDE	NO
SANITARY FORCED MAIN	FM	CARBON DIOXIDE	CO2
SANITARY VENT (V)		COMPRESSED AIR (WC OR PSIG)	A
ACID WASTE	AW		
ACID VENT	AV		
DRAIN	D		
INDIRECT WASTE	IW		
PUMP DISCHARGE	PD		

PIPING IDENTITY SYMBOLS

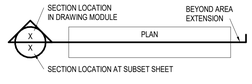
	FLOW DIRECTION ARROW, PITCH DIRECTION ARROW
	PIPE RISE
	PIPE DROP
	PIPE CAP
	PIPE CONTINUES (REFERENCE ELSEWHERE)
	PIPE GUIDE
	PIPE ANCHOR
	FLEXIBLE CONNECTOR
	EXPANSION COMPENSATOR
	EXPANSION LOOP
	CONCENTRIC, ECCENTRIC FITTINGS
	UNION
	SHUT-OFF VALVE, SEE SPECS
	CHECK VALVE
	PRESSURE REDUCING VALVE
	BACKFLOW PREVENTER
	ANGLE VALVE
	RELIEF VALVE
	VALVE WITH OUTSIDE STEM & YOKE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	SOLENOID TWO-WAY CONTROL VALVE
	FLOW SWITCH
	PRESSURE SWITCH
	AQUASTAT
	ORIFICE FLOW METER
	VENTURI FLOW METER / FLOW MEASURING STATION
	STRAINER WITH CAPPED BLOWDOWN
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	VACUUM BREAKER
	PRESSURE GAUGE
	INLINE PUMP
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
WHA-A	WATER HAMMER ARRESTER WITH SCHEDULE TYPE
FD	P-TRAP AND RISER
2"FD-1	FLOOR DRAIN WITH SIZE & SCHEDULE TYPE
CO	END OF PIPE CLEANOUT
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
ECO	EXTERIOR CLEANOUT OR RODDING HOLE
TMV-1	THERMOSTATIC MIXING VALVE WITH SCHEDULE TYPE
HB-1 WH-1	HOSE BIBB, WALL HYDRANT WITH SCHEDULE TYPE
M	WATER METER
G	GAS METER
4"RD 4"OFD	ROOF DRAIN, OVERFLOW DRAIN WITH SIZE
	POST INDICATOR VALVE
	FIRE DEPARTMENT CONNECTION
TS	VALVE TAMPER SWITCH
	UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	DRY PENDANT SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

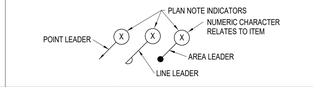
HVAC IDENTITY SYMBOLS

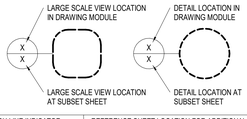
24/12	RECTANGULAR DUCTWORK DESIGNATION IN INCHES, FIRST DIMENSION IS SIDE SHOWN	24ø	ROUND SPIRAL DUCTWORK DESIGNATION IN INCHES	24/12 FO	FLAT OVAL DUCTWORK DESIGNATION IN INCHES, FIRST DIMENSION IS SIDE SHOWN
	RECTANGULAR SUPPLY AIR, OUTSIDE AIR DUCTWORK RISE		ROUND SPIRAL SUPPLY AIR, OUTSIDE AIR DUCTWORK RISE		FLAT OVAL SUPPLY AIR, OUTSIDE AIR DUCTWORK RISE
	RECTANGULAR SUPPLY AIR, OUTSIDE AIR DUCTWORK DROP		ROUND SPIRAL SUPPLY AIR, OUTSIDE AIR DUCTWORK DROP		FLAT OVAL SUPPLY AIR, OUTSIDE AIR DUCTWORK DROP
	RECTANGULAR RETURN AIR, TRANSFER AIR DUCTWORK RISE		ROUND SPIRAL RETURN AIR, TRANSFER AIR DUCTWORK RISE		FLAT OVAL RETURN AIR, TRANSFER AIR DUCTWORK RISE
	RECTANGULAR RETURN AIR, TRANSFER AIR DUCTWORK DROP		ROUND SPIRAL RETURN AIR, TRANSFER AIR DUCTWORK DROP		FLAT OVAL RETURN AIR, TRANSFER AIR DUCTWORK DROP
	RECTANGULAR EXHAUST AIR, RELIEF AIR DUCTWORK RISE		ROUND SPIRAL EXHAUST AIR, RELIEF AIR DUCTWORK RISE		FLAT OVAL EXHAUST AIR, RELIEF AIR DUCTWORK RISE
	RECTANGULAR EXHAUST AIR, RELIEF AIR DUCTWORK DROP		ROUND SPIRAL EXHAUST AIR, RELIEF AIR DUCTWORK DROP		FLAT OVAL EXHAUST AIR, RELIEF AIR DUCTWORK DROP
AL SS	DUCTWORK CONSTRUCTED OF ALUMINUM, STAINLESS STEEL	R →	DUCTWORK RISE IN DIRECTION OF FLOW	D →	DUCTWORK DROP IN DIRECTION OF FLOW
	DUCTWORK LINING OR DOUBLE WALL DUCTWORK, DESIGNATION SHOWN IS FREE AREA	→	SUPPLY AIR, OUTSIDE AIR IN DIRECTION OF FLOW		RETURN AIR, EXHAUST AIR, TRANSFER AIR, RELIEF AIR IN DIRECTION OF FLOW
	ECCENTRIC DUCT TRANSITION		CONCENTRIC DUCT TRANSITION		RECTANGULAR TO ROUND, FLAT OVAL DUCT TRANSITION
	BALANCE OR VOLUME DAMPER	AD AO	ACCESS DOOR		DUCTWORK CAP
M	MOTORIZED DAMPER WITH ACCESS DOOR	F	FIRE DAMPER WITH ACCESS DOOR	S	SMOKE DAMPER WITH ACCESS DOOR
	FLEXIBLE DUCTWORK CONNECTION	AFMS	AIRFLOW MEASURING STATION WITH ACCESS DOOR	FS	FIRE AND SMOKE DAMPER WITH ACCESS DOOR
	45° BEVELED FITTING FOR RECTANGULAR TO RECTANGULAR DUCTWORK		RADIUS DUCTWORK ELBOW (CENTERLINE RADIUS 1.5xW)	SA	SOUND ATTENUATOR
	CONICAL FITTING FOR ROUND OR FLAT OVAL TO RECTANGULAR DUCTWORK		RADIUS DUCTWORK ELBOW WITH TURNING VANES		MITERED DUCTWORK ELBOW
	CONICAL FITTING FOR ROUND OR FLAT OVAL TO ROUND OR FLAT OVAL DUCTWORK		WYE RADIUS DUCTWORK ELBOW		MITERED DUCTWORK ELBOW WITH TURNING VANES
	45° LATERAL FITTING FOR ROUND OR FLAT OVAL TO ROUND OR FLAT OVAL DUCTWORK		45° RADIUS DUCTWORK ELBOW (CENTERLINE RADIUS 1.5xW)		TRANSFER AIR ELBOW WITH DUCTWORK STUBS FOR SOUND ATTENUATION
	SPIN-IN FITTING FOR ROUND TO RECTANGULAR DUCTWORK, LOW PRESSURE DUCTWORK		CEILING PANEL SUPPLY AIR DIFFUSER		ROUND SUPPLY AIR DIFFUSER
	FLEXIBLE DUCTWORK CONNECTION TO DIFFUSER, MAXIMUM SIX FEET		RECTANGULAR SUPPLY AIR REGISTER OR GRILLE		RETURN AIR, TRANSFER AIR REGISTER OR GRILLE
			EXHAUST AIR REGISTER OR GRILLE		LINEAR SLOT SUPPLY AIR DIFFUSER
	SIDEWALL SUPPLY AIR REGISTER OR GRILLE	W	SIDEWALL RETURN AIR, EXHAUST AIR, TRANSFER AIR REGISTER OR GRILLE		DOOR GRILLE OR UNDERCUT DOOR
T (TU-12.34)	THERMOSTAT WITH ASSOCIATED EQUIPMENT DESIGNATION	TE	TEMPERATURE SENSOR		CEILING DESTRATIFICATION FAN
H (TU-12.34)	HUMIDISTAT WITH ASSOCIATED EQUIPMENT DESIGNATION	XXX CO	CARBON DIOXIDE OR MONOXIDE SENSOR		CENTRIFUGAL ROOF EXHAUST FAN
	HYDRONIC REHEAT COIL WITH ACCESS DOOR		SINGLE DUCT VAV BOX		INLINE FAN
	ELECTRIC REHEAT COIL WITH ACCESS DOOR				SERIES/PARALLEL FAN POWERED TERMINAL UNIT
	BASE MOUNTED PUMP		AIR SEPARATOR		UNIT HEATER

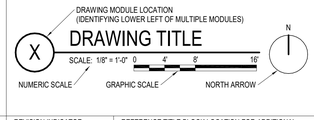
REFERENCE SYMBOLS

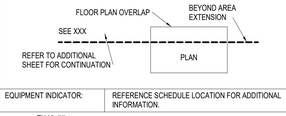
SECTION INDICATOR:	REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION.
PLAN NOTE INDICATOR:	REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.
DETAIL INDICATOR:	REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.
DRAWING BLOCK TITLE INDICATOR:	REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.
MATCH LINE INDICATOR:	REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.
REVISION INDICATOR:	REFERENCE TITLE BLOCK LOCATION FOR ADDITIONAL INFORMATION.
EQUIPMENT INDICATOR:	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.
DIFFUSER, GRILLE, REGISTER INDICATOR:	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.

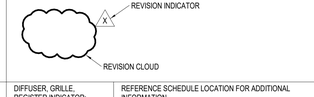


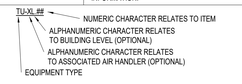


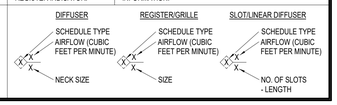












GENERAL MECHANICAL NOTES

1. VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BIDDING AND BEFORE BEGINNING WORK.
2. REVIEW WORK OF OTHER TRADES. COORDINATE AND PLAN WORK WITH THE OTHER TRADES. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS. THE ENGINEERING DRAWINGS ARE OF EQUAL IMPORTANCE WITH THE ARCHITECTURAL DRAWINGS IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ENGINEERING DRAWINGS THE DISCREPANCY SHALL BE BROUGHT TO THE ARCHITECTS/ENGINEERS ATTENTION FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR.
4. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
5. MECHANICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL PIPING, DUCTWORK, EQUIPMENT AND APPURTENANCES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT. ANY OFFSETS, ADDITIONAL FITTINGS, AND/OR APPURTENANCES SHALL BE PROVIDED AS REQUIRED.
6. PERFORM ALL WORK IN A SKILLED, PROFESSIONAL MANNER MEETING THE ACCEPTANCE OF THE ENGINEER, ARCHITECT AND OWNER.
7. LABEL ALL ROOM THERMOSTATS AND/OR SENSOR DEVICES AS TO WHAT THE DEVICE CONTROLS WITH A PLASTIC ENGRAVED LABEL AFFIXED TO THE COVERS.
8. SMALLEST HVAC PIPE SIZE ALLOWABLE IS 3/4" UNLESS NOTED OTHERWISE.
9. MOUNTING HEIGHTS OF DEVICES SHALL FOLLOW THE LISTING BELOW UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS: THERMOSTAT OR TEMPERATURE/HUMIDITY SENSOR - +48" TO TOP
10. PAINT PIPING IN MECHANICAL ROOMS. REFER TO SPECIFICATIONS FOR COLOR CODING. PREPAINT ALL STEEL, CHILLED WATER PIPING PRIOR TO INSULATING.
11. CLEAN ALL EQUIPMENT TO PRESENT A 'LIKE NEW' CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
12. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
13. OFFSET PIPING AND DUCTWORK AROUND ELECTRICAL PANELS TO PROVIDE CLEARANCES AS REQUIRED BY NATIONAL ELECTRICAL CODE.
14. REFERENCE THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL MECHANICAL ITEMS INTERFACING OR ARE WITHIN THE EXTERIOR WALLS. (I.E. WALL HYDRANTS, LOUVERS, ETC.)
15. VERIFY DIMENSIONS GIVEN IN THE ARCHITECTS PLANS FOR EXACT LOCATIONS. IF DISCREPANCIES ARE FOUND, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION. EXPLICIT DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE.
16. REFER TO MANUFACTURER'S INSTALLATION AND TEMPLATE DRAWINGS FOR ALL MECHANICAL EQUIPMENT SUPPORTS, BOLT SETTING TEMPLATES, ISOLATORS, SPRING ISOLATION, ETC.
17. BRANCH DUCTWORK TO DIFFUSER SHALL BE SAME SIZE AS DIFFUSER INLET UNLESS SPECIFICALLY LABELED OTHERWISE.

NOTATION DESIGNATORS

GENERAL MECHANICAL NOTES:	NOTES THAT APPLY EQUALLY TO ALL SHEETS WITHIN THE DISCIPLINE.
GENERAL SHEET NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR.
SHEET PLAN NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR AND USE A PLAN NOTE INDICATOR TO IDENTIFY ITEMS.

SHEET PLAN NOTES

1.

DISCIPLINE DESIGNATORS

M-000	MECHANICAL
FP000	FIRE SUPPRESSION
P-000	PLUMBING
PD000	PLUMBING DEMOLITION
H-000	HVAC
HD000	HVAC DEMOLITION
HP000	HVAC PIPING

SHEET TYPE DESIGNATORS

000	GENERAL (SYMBOLS, ABBREVIATIONS, NOTES)
100	PLANS
200	PLANS (SECONDARY)
300	ENLARGED PLANS & SECTIONS
400	SCHEMATICS & DIAGRAMS
500	SCHEDULES
600	DETAILS
700	CONTROL DIAGRAMS
800	(USER DEFINED)
900	3D REPRESENTATIONS (ISOMETRICS)

LINETYPE DESIGNATORS

	THIN CONTINUOUS LINETYPE INDICATE EXISTING ITEMS.
	INTERMEDIATE DASHED LINETYPE INDICATE ITEMS TO BE REMOVED ON COMBINATION PLANS.
	INTERMEDIATE OR WIDE CONTINUOUS LINETYPE INDICATE WORK TO BE INCLUDED.
	THIN HALFTONE LINETYPE INDICATE ITEMS BY OTHER DISCIPLINE.
	INDICATES POINT OF CONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.
	INDICATES POINT OF DISCONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.

NOT ALL NOTES, DESIGNATORS, SYMBOLS OR ABBREVIATIONS MAY APPLY TO THIS PROJECT

KING COLE BUILDING HOTEL

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SEAL | DATE

DAVID A. BARRINGTON — REGISTERED — No. PE10910218 — STATE OF INDIANA — PROFESSIONAL ENGINEER — 11/19/21

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	02/28/2025

CIRCLE DESIGN GROUP
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CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
MECHANICAL SYMBOLS, LEGENDS & ABBREVIATIONS

SHEET NUMBER
M-000

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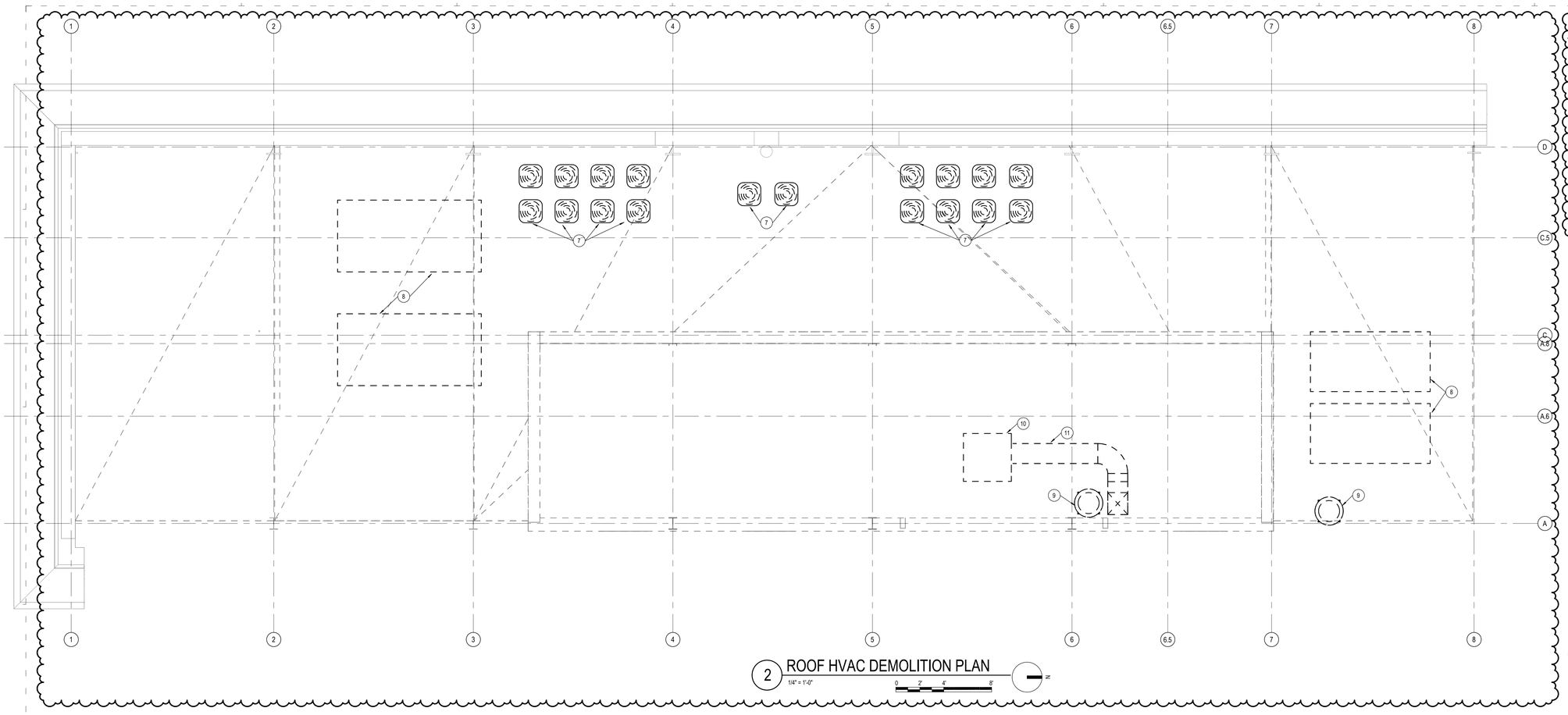


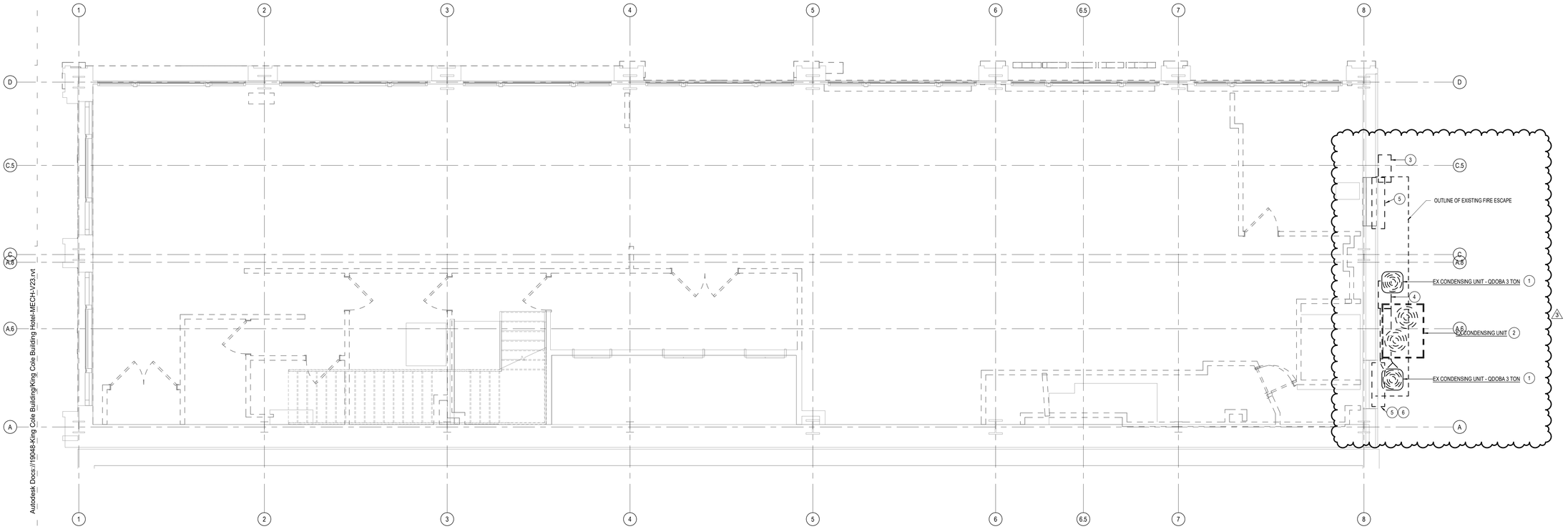
2 ROOF HVAC DEMOLITION PLAN

1/4" = 1'-0"

0 2' 4' 8'

SHEET PLAN NOTES

1. REMOVE COMPLETE EXISTING ACCU'S SERVING QDOBA.
2. REMOVE 10 TON CONDENSING UNIT, ASSOCIATED PIPING AND CONTROLS COMPLETE.
3. REMOVE EXISTING SPLIT SYSTEM CONDENSING UNIT MOUNTED ABOVE DOOR, PIPING, POWER CIRCUITS, SUPPORT BRACKETS, ETC. COMPLETE.
4. REMOVE EXISTING UTILITY SET FAN, SUPPORT STEEL, AND DUCTWORK MOUNTED ON WALL COMPLETE.
5. REMOVE EXISTING LOUVER WITH SHEETMETAL HOOD COMPLETE AT PLATFORM LEVEL. COORDINATE OPENING WITH ARCHITECT AS REQUIRED.
6. REMOVE EXISTING LOUVER AT EACH LOCATION ON ALL FLOORS ABOVE LEVEL 2 (TYPICAL). FIELD VERIFY EXACT LOCATIONS AND QUANTITY PRIOR TO BID. COORDINATE OPENING WITH ARCHITECT AS REQUIRED.
7. REMOVE EXISTING SPLIT SYSTEM CONDENSING UNITS, PIPING, POWER CIRCUITS, SUPPORTS, ETC. COMPLETE.
8. REMOVE EXISTING CONDENSING UNITS, PIPING, POWER CIRCUITS, SUPPORTS. ETC. COMPLETE.
9. REMOVE EXISTING EXHAUST FAN, POWER CIRCUIT, RELATED DUCTWORK COMPLETE.
10. REMOVE EXISTING UTILITY SET EXHAUST FAN, POWER CIRCUIT, RELATED DUCTWORK COMPLETE.
11. REMOVE EXISTING DUCTWORK SYSTEM COMPLETE.



1 SECOND FLOOR HVAC DEMOLITION PLAN

1/4" = 1'-0"

0 2' 4' 8'

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KING COLE BUILDING HOTEL

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SEAL | DATE

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
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3	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
SECOND FLOOR HVAC DEMOLITION PLAN

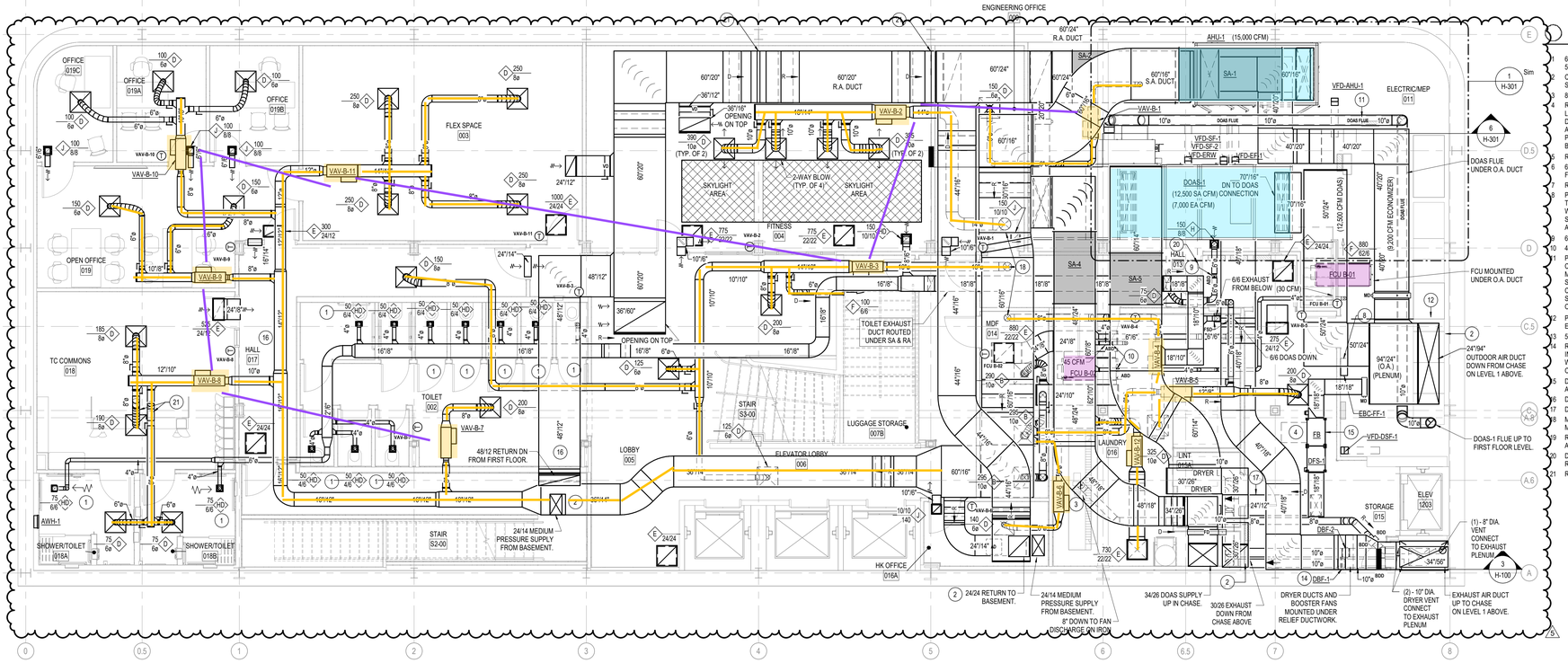
SHEET NUMBER
HD102

GENERAL HVAC NOTES

1. REFER TO SHEET M-000 FOR MECHANICAL SYMBOLS, LEGENDS & ABBREVIATIONS

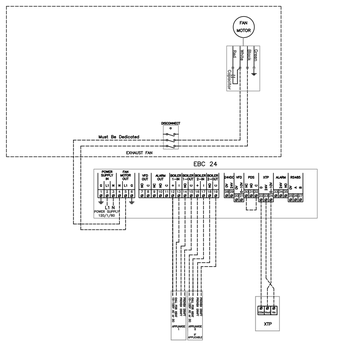
SHEET PLAN NOTES

1. 6"x4" EXHAUST GRILLE WITH AUTOMATIC EXHAUST AIR DAMPER SET TO 50 CFM OR AS SHOWN. UNDERCUT DOOR 1".
2. COORDINATE DUCT ROUTING THRU FLOOR AND NEW STRUCTURAL STEEL.
3. 8" DIA. EXHAUST DUCT UP FROM FAN DISCHARGE ON IRON.
4. ROUTE DRYER MAKE UP AIR DUCT FROM O.A. DUCT AND STUB INTO LINT ROOM. INTERLOCK MOTORIZED DAMPER D1 WITH DRYER #1 AND DRYER #2. DAMPER TO OPEN TO POSITION #1 WHEN DRYER TURNS ON, AND FULLY OPEN WHEN DRYER #2 TURNS ON. DAMPER TO CLOSE TO POSITION #1 WHEN ONE DRYER TURNS OFF, AND FULLY CLOSE WHEN BOTH DRYERS TURN OFF.
5. ROUTE DUCTWORK AROUND PLUMBING RISERS.
6. 6/6 AND 6/8 UP TO FLOOR ABOVE WITH FIRE/SMOKE DAMPERS AT FLOOR PENETRATION.
7. ROUTE DUCTWORK AROUND LIGHT FIXTURE.
8. PROVIDE MODULATING FAN CONTROL SUPPLIED WITH FLUE FAN. E.C. TO PROVIDE SEPARATE 120V/1PH CIRCUIT FOR PANEL. INTERLOCK FF-1 WITH PANEL TO PRE-PURGE CHIMNEY PRIOR TO DOAS-1 FURNACE START-UP AND POST-PURGE THE CHIMNEY FOR A VARIABLE TIME AFTER DOAS-1 SHUT DOWN.
9. 6" AUTOMATIC SUPPLY AIR DAMPER SET TO CFM AS SHOWN.
10. 4" AUTOMATIC SUPPLY AIR DAMPER SET TO CFM AS SHOWN.
11. PROVIDE VENT PIPE CERTIFIED TO UL1738 / ULC S636S FOR USE WITH A CATEGORY 3 APPLIANCE. ALL INSTALLED VENT PIPE AND FITTINGS MUST BE FROM THE SAME MANUFACTURER. DO NOT INTERMIX VENT SYSTEM PARTS FROM DIFFERENT MANUFACTURERS. SEAL JOINT AS CONNECTION TO FLUE COLLAR WITH HIGH TEMPERATURE SILICONE SEALANT (DOW CORNING 736 OR EQUAL) WITH TEMPERATURE RATING OF 500 °F.
12. PROVIDE SHEET METAL DRIP PAN UNDER O.A. DUCT TO PROTECT ELECTRICAL GEAR.
13. 5" AUTOMATIC SUPPLY AIR DAMPER SET TO CFM AS SHOWN.
14. ROUTE 12" DIA. DRYER MAKE UP AIR DUCT FROM CHASE AND STUB INTO DRYER ROOM. INTERLOCK MOTORIZED DAMPER(S) D1 AND D2 WITH DRYER #1 AND DRYER #2. DAMPER TO OPEN WHEN DRYER TURNS ON. DAMPER TO CLOSE WHEN DRYER TURNS OFF.
15. DRYER MAKE UP AIR INLINE FAN MOUNTED WITH VIBRATION ISOLATION AND SUPPLIED WITH VFD AND FILTER INLET BOX.
16. DIFFERENTIAL PRESSURE SENSOR.
17. DRYER MAKE UP AIR DUCT STUBS INTO DRYER LINT ROOM.
18. MEDIUM PRESSURE CONNECTION FOR VAV BOX ON BOTTOM SIDE OF MAIN DUCTWORK.
19. ROUTE DUCTWORK DOWN UNDER BEAM AND CENTER GRILLE IN WALL AT APPROX. 7'-7" AFF.
20. DASHED LINE REPRESENTS CLEARANCE TO SERVICE ENERGY RECOVERY WHEEL FROM BACK SIDE OF DOAS UNIT.
21. ROUTE DUCTWORK UNDER STRUCTURAL BEAM.



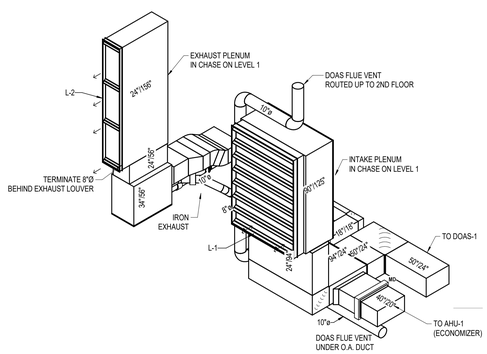
2 BASEMENT FLOOR HVAC PLAN

3/16" = 1'-0"



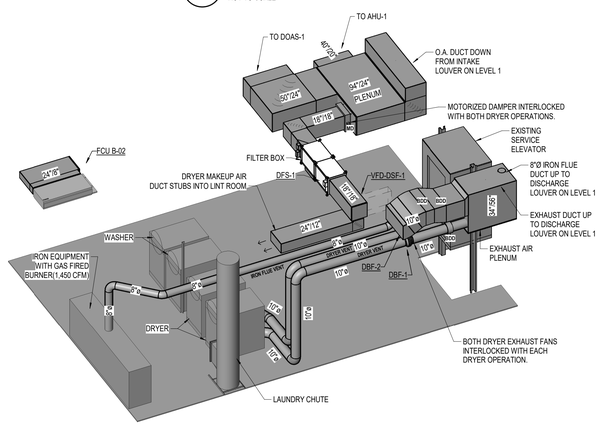
7 FF-1 WIRING DIAGRAM DETIAL

NOT TO SCALE



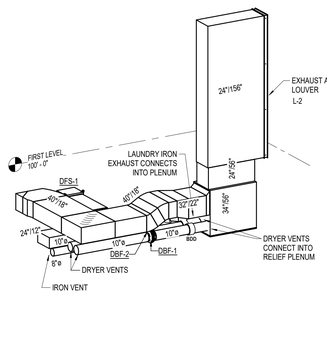
5 3D VIEW - NORTH ALLEY LOUVERS

NOT TO SCALE



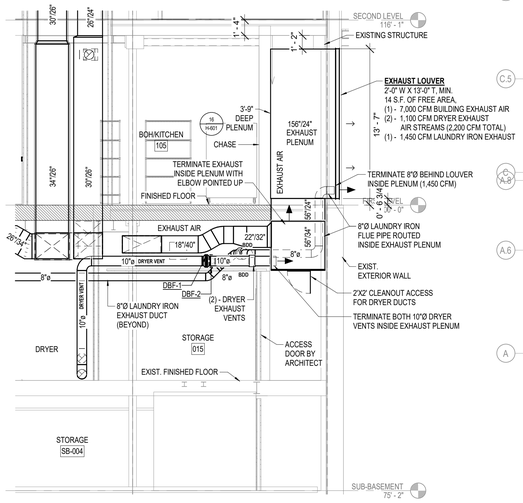
6 3D VIEW - DRYER SUPPLY FAN AND EXHAUST FANS

NOT TO SCALE



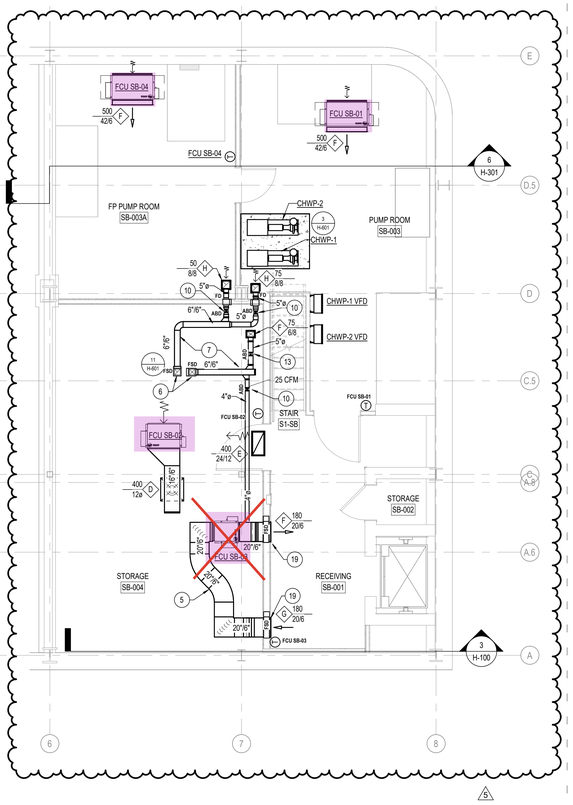
4 3D VIEW OF DRYER VENTS AND EXHAUST LOUVER

NOT TO SCALE



3 DRYER VENTS AND EXHAUST LOUVER SECTION

3/16" = 1'-0"



1 SUB-BASEMENT FLOOR HVAC PLAN

3/16" = 1'-0"

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SEAL | DATE

DAVID M. BARRIENTOS REGISTERED 11/14/2014 No. PE10910218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ASI-02	11/11/2022
3	DD REISSUE	12/09/2024
4	50% CD	01/24/2025
5	100% CD	02/28/2025

CIRCLE DESIGN GROUP
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CDG PROJECT NO. 24085

SHEET TITLE
SUB-BASEMENT AND BASEMENT FLOOR HVAC PLANS

SHEET NUMBER
H-100

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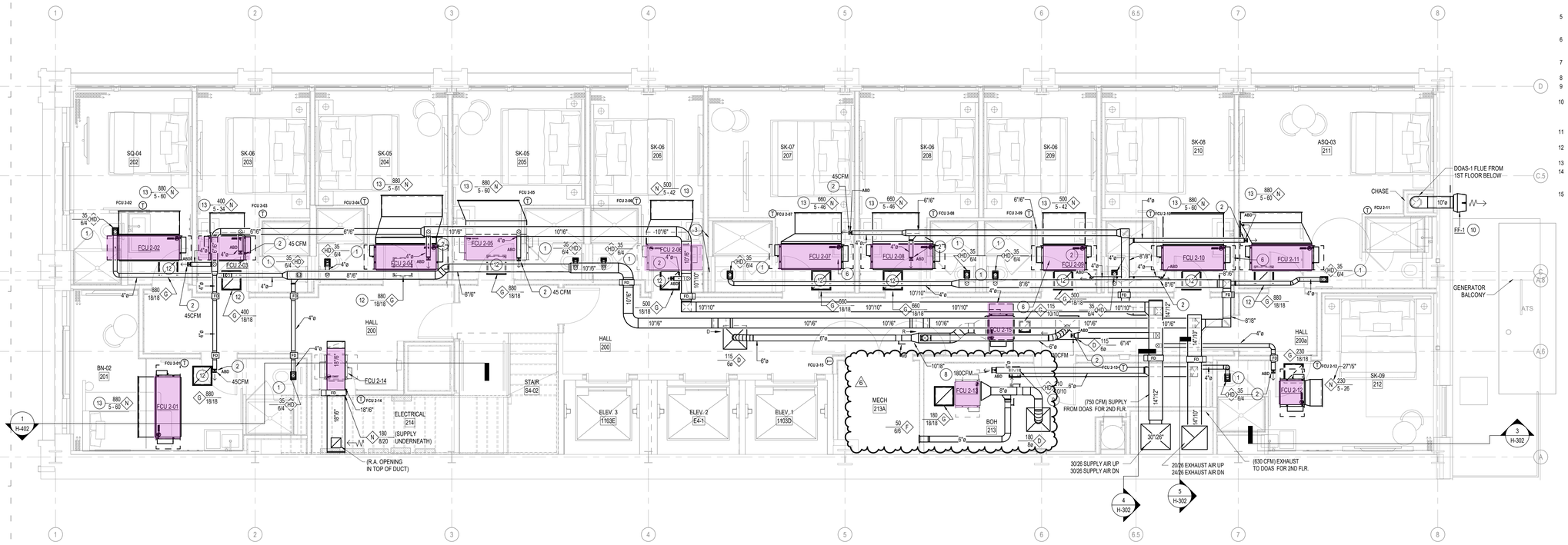
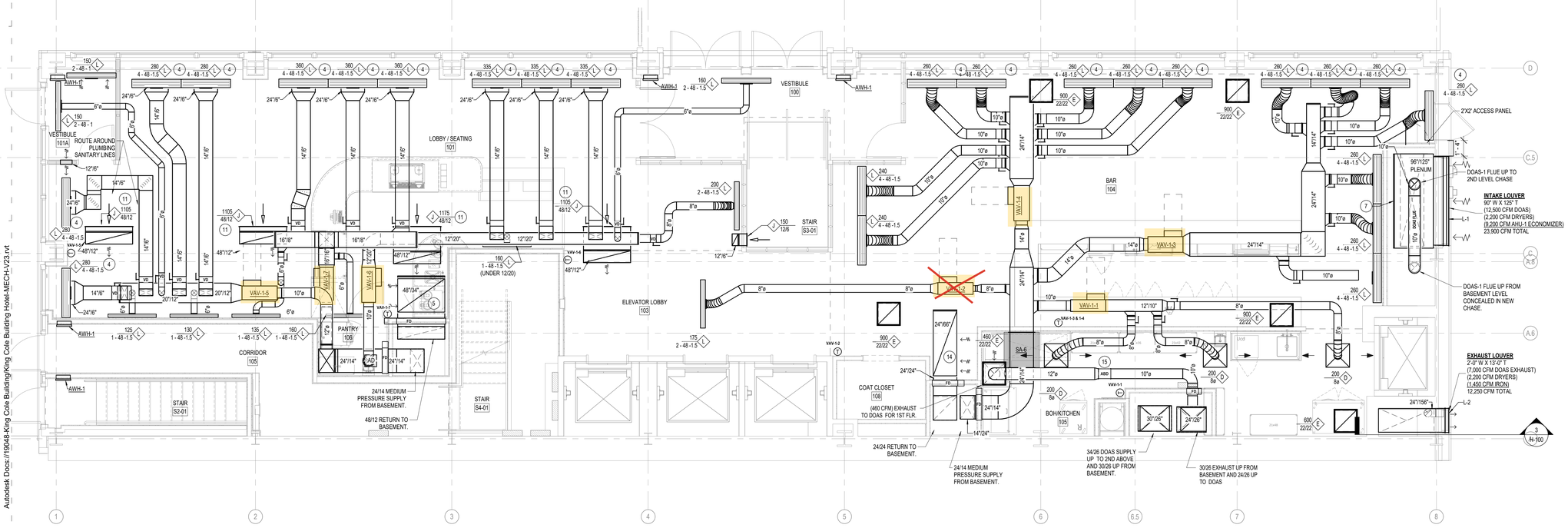
SHEET PLAN NOTES

1. 6"x4" EXHAUST GRILLE WITH AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN. INSTALL GRILLES CENTERED ON THE TOILET MIDLINE, 6" FROM WALL AS SHOWN WITH BLADES DIRECTED TOWARD WALL.
2. 4" AUTOMATIC SUPPLY AIR DAMPER SET TO 55 CFM SHOWN.
3. BOTH SUPPLY AND EXHAUST DUCTS TURN DOWN IN PLUMBING CHASE AND ROUTE INTO SIDE OF CHASE.
4. PROVIDE CUSTOM INSULATED SUPPLY PLENUM ABOVE SLOT DIFFUSER FOR MULTIPLE TA CONNECTIONS. TYPICAL.
5. PROVIDE RETURN OPENING IN TOP OF RETURN AIR DUCT SIZED FOR 400 FPM WITH EXPANDED METAL GRILLE COVERING OPENING.
6. GREASE DUCT CLEANOUT ACCESS DOOR ABOVE CEILING. REMOVE RETURN GRILLE FOR ACCESS PATH UP TO GREASE DUCT CLEANOUT.
7. COORDINATE INSTALLATION OF INTAKE DUCTWORK WITH NEW STRUCTURAL STEEL AS REQUIRED.
8. 6" AUTOMATIC SUPPLY AIR DAMPER SET TO CFM SHOWN.
9. 10"x10" EXHAUST GRILLE WITH AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN.
10. FLUE FAN SERVING DOAS-1 FURNACE SECTION. FAN MOUNTED ON EXTERIOR WALL APPROX.16'-1" TO CENTER OF FAN. SEAL AROUND WALL PENETRATION FOR WEATHER TIGHT CONSTRUCTION.
11. SIDEWALL RETURN GRILLE IN BULKHEAD WITH ELBOW TURNED UP.
12. RETURN GRILLE SHALL BE CENTERED ON THE ENTRY DOOR OPENING.
13. CENTER SUPPLY GRILLE ON ROOM OPENING.
14. PROVIDE RETURN OPENING IN TOP OF RETURN AIR DUCT SIZED FOR 400 FPM WITH EXPANDED METAL GRILLE COVERING OPENING.
15. 10" AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN.



2 SECOND FLOOR HVAC PLAN

1/4" = 1'-0"



1 FIRST FLOOR HVAC PLAN

1/4" = 1'-0"

KING COLE BUILDING HOTEL

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SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10910218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	ASI-02	11/11/2022
4	DD REISSUE	12/09/2024
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6	100% CD	02/28/2025

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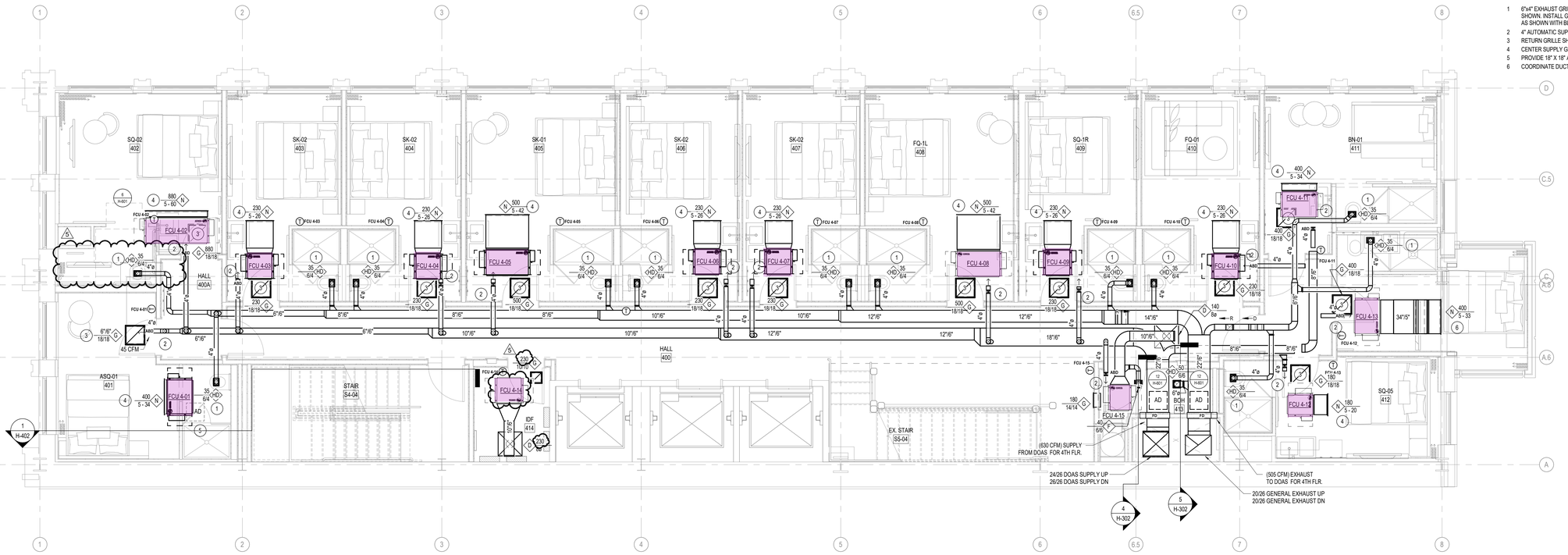
SHEET TITLE
FIRST AND SECOND FLOOR HVAC PLANS

SHEET NUMBER
H-101

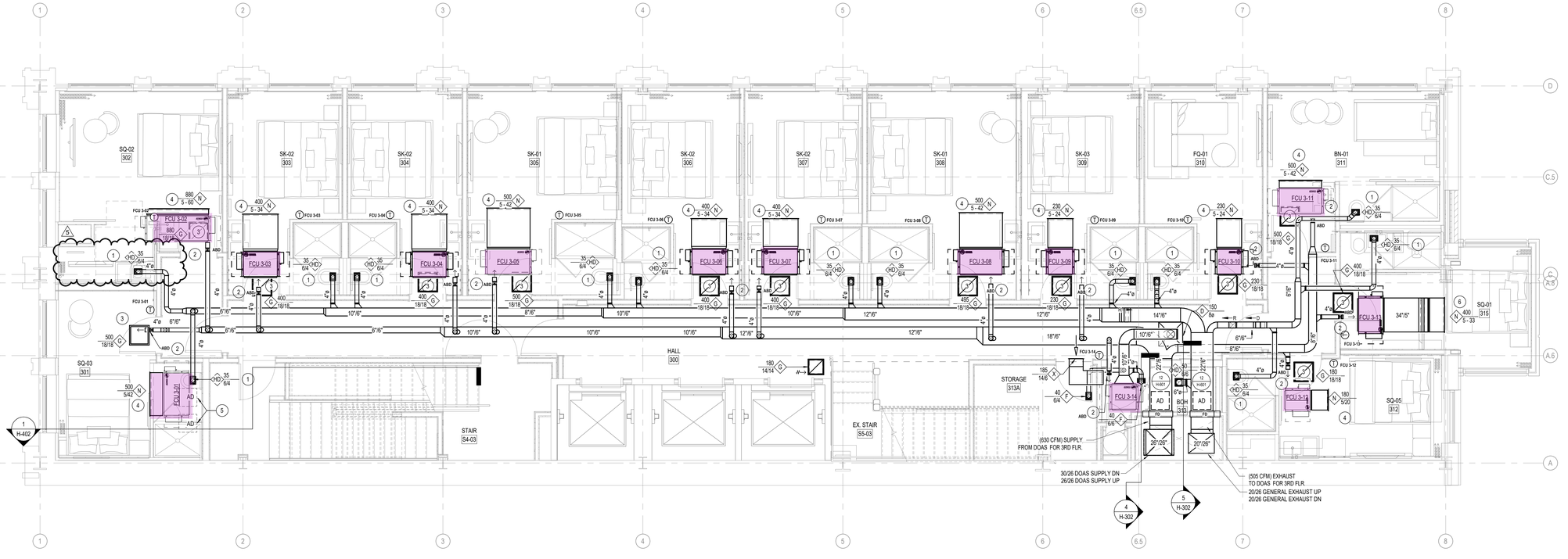
2/28/2025 2:53:21 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-MECH-V23.rvt

SHEET PLAN NOTES

1. 6"x4" EXHAUST GRILLE WITH AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN. INSTALL GRILLES CENTERED ON THE TOILET MIDLINE, 6" FROM WALL AS SHOWN WITH BLADES DIRECTED TOWARD WALL.
2. 4" AUTOMATIC SUPPLY AIR DAMPER SET TO 45 CFM.
3. RETURN GRILLE SHALL BE CENTERED ON THE ENTRY DOOR OPENING.
4. CENTER SUPPLY GRILLE ON ROOM OPENING.
5. PROVIDE 18" X 18" ACCESS DOOR IN CEILING.
6. COORDINATE DUCTWORK AND GRILLE ELEVATION WITH STRUCTURAL PLANS.



2 FOURTH FLOOR HVAC PLAN
1/4" = 1'-0"



1 THIRD FLOOR HVAC PLAN
1/4" = 1'-0"

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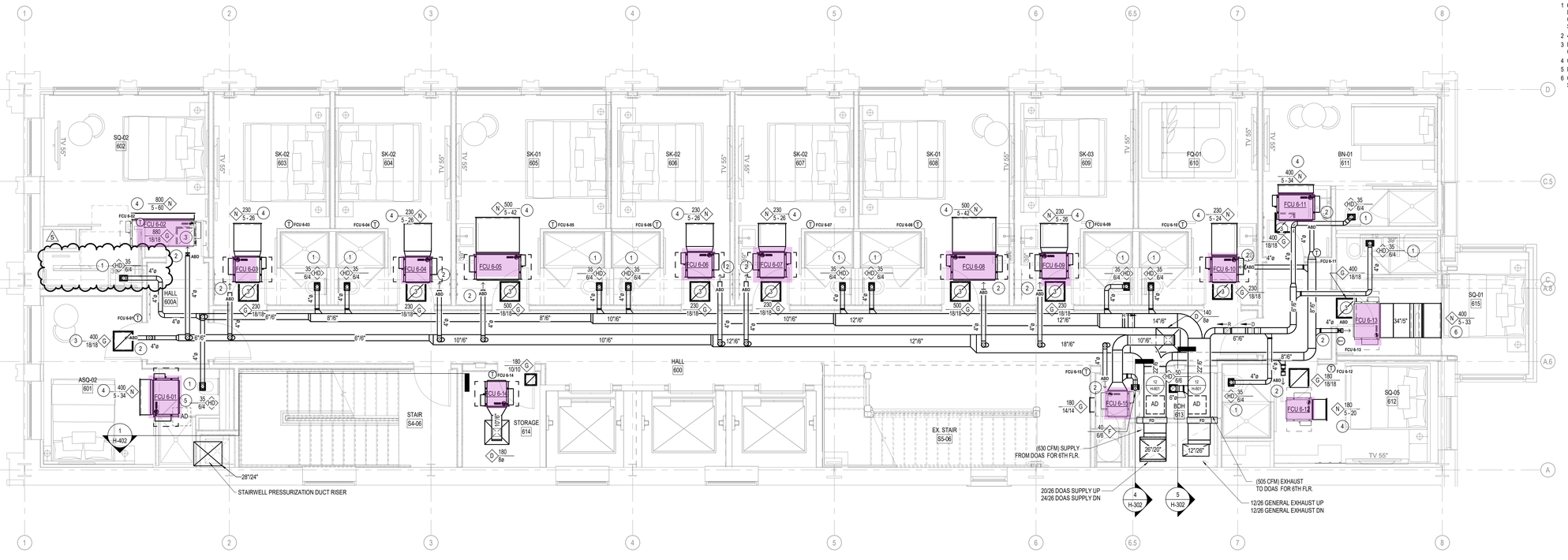
SHEET TITLE
THIRD AND FOURTH FLOOR HVAC PLANS

SHEET NUMBER
H-102

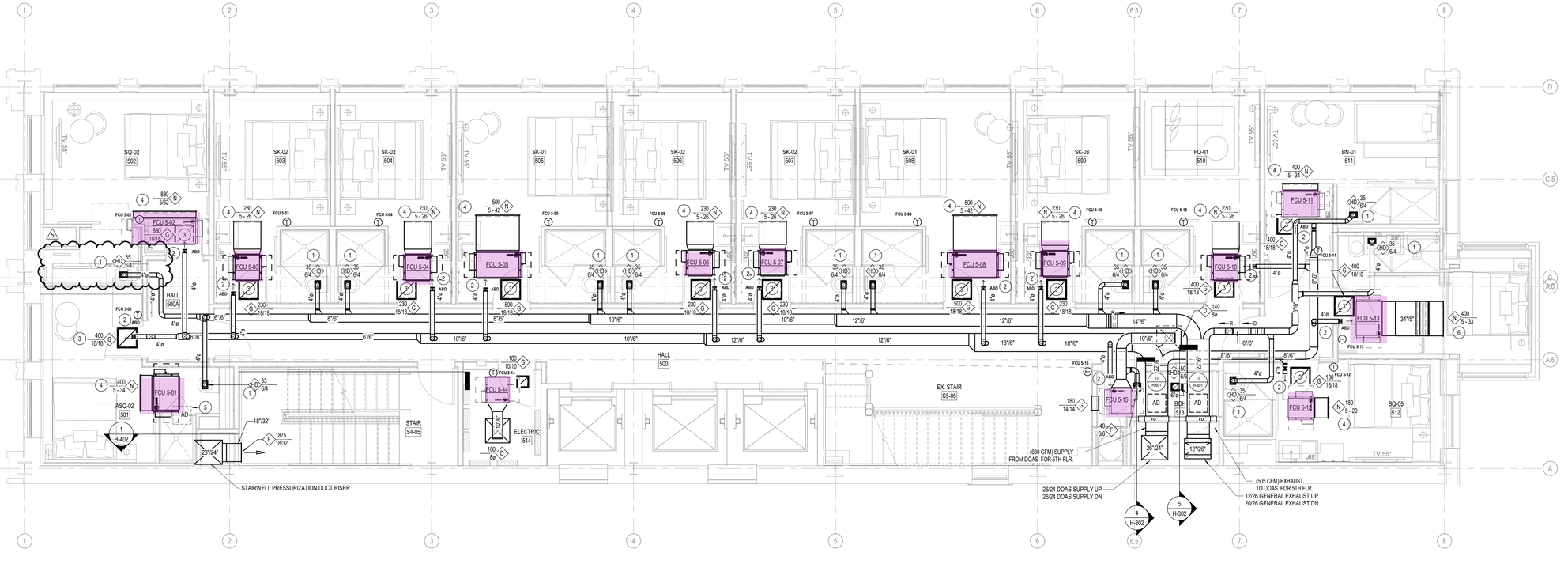
2/28/2025 2:53:32 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-MECH-V23.rvt

SHEET PLAN NOTES

1. 6"x4" EXHAUST GRILLE WITH AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN. INSTALL GRILLES CENTERED ON THE TOILET MIDLINE, 6" FROM WALL AS SHOWN WITH BLADES DIRECTED TOWARD WALL.
2. 4" AUTOMATIC SUPPLY AIR DAMPER SET TO 45 CFM.
3. RETURN GRILLE SHALL BE CENTERED ON THE ENTRY DOOR OPENING.
4. CENTER SUPPLY GRILLE ON ROOM OPENING.
5. PROVIDE 18" X 18" ACCESS DOOR IN CEILING.
6. COORDINATE DUCTWORK AND GRILLE ELEVATION WITH STRUCTURAL PLANS.



2 SIXTH FLOOR HVAC PLAN
1/4" = 1'-0"



1 FIFTH FLOOR HVAC PLAN
1/4" = 1'-0"

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DAVID J. BARRINGER
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11/22/21

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SHEET TITLE
FIFTH AND SIXTH FLOOR HVAC PLANS

SHEET NUMBER
H-103

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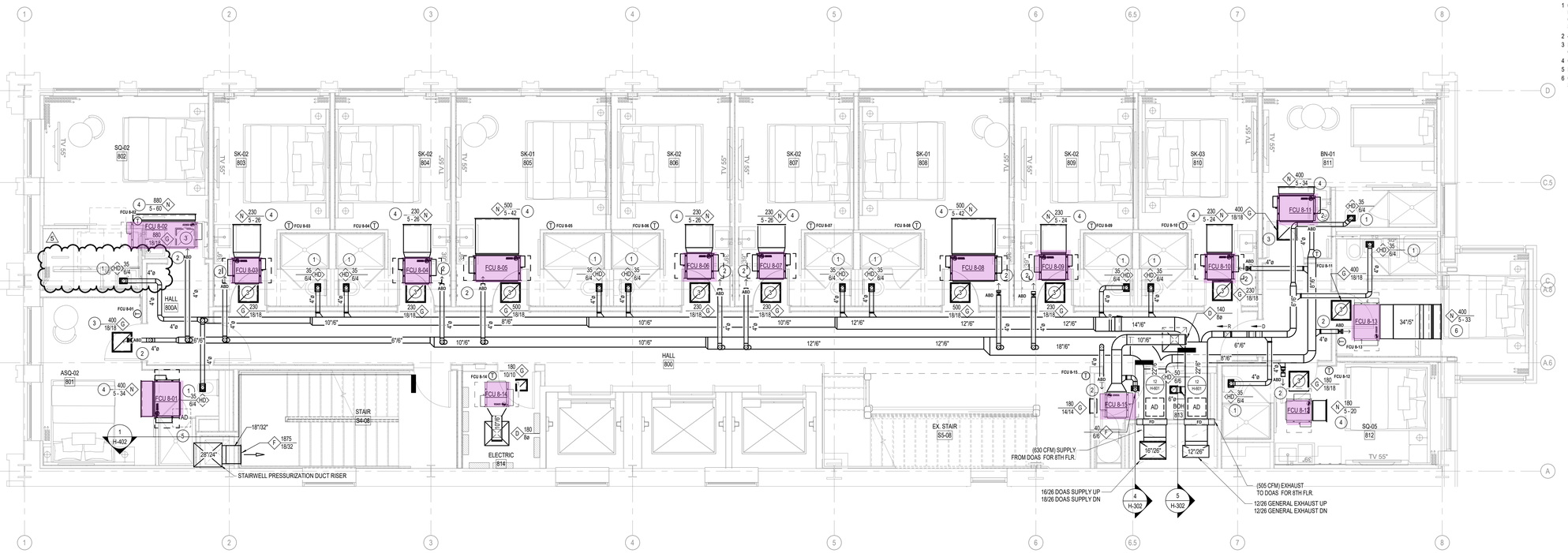
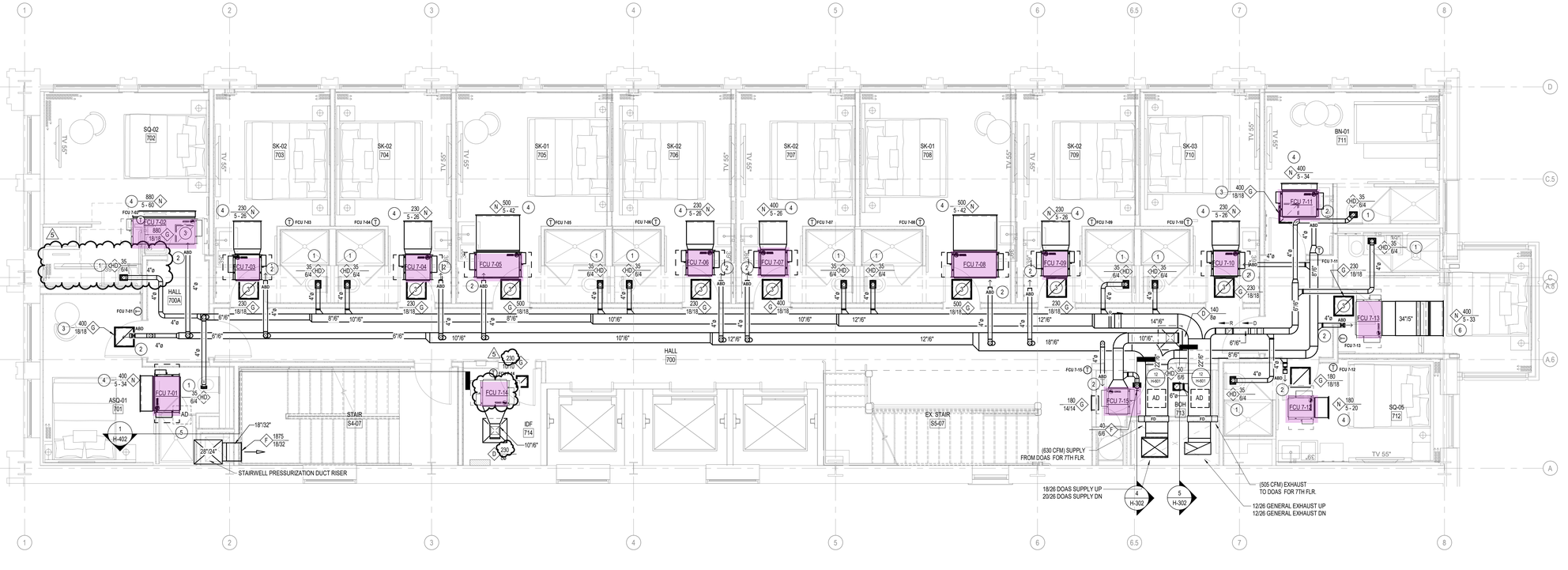


2 EIGHTH FLOOR HVAC PLAN

1/4" = 1'-0"



1 SEVENTH FLOOR HVAC PLAN

1/4" = 1'-0"

SHEET PLAN NOTES

1. 6"x4" EXHAUST GRILLE WITH AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN. INSTALL GRILLES CENTERED ON THE TOILET MIDLINE, 6" FROM WALL AS SHOWN WITH BLADES DIRECTED TOWARD WALL.
2. 4" AUTOMATIC SUPPLY AIR DAMPER SET TO 45 CFM.
3. RETURN GRILLE SHALL BE CENTERED ON THE ENTRY DOOR OPENING.
4. CENTER SUPPLY GRILLE ON ROOM OPENING.
5. PROVIDE 18" X 18" ACCESS DOOR IN CEILING.
6. COORDINATE DUCTWORK AND GRILLE ELEVATION WITH STRUCTURAL PLANS.

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DAVID J. BARRIENTOS
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STATE OF INDIANA
PROFESSIONAL ENGINEER

SHEET ISSUE

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SHEET TITLE
SEVENTH AND EIGHTH FLOOR HVAC PLANS

SHEET NUMBER
H-104

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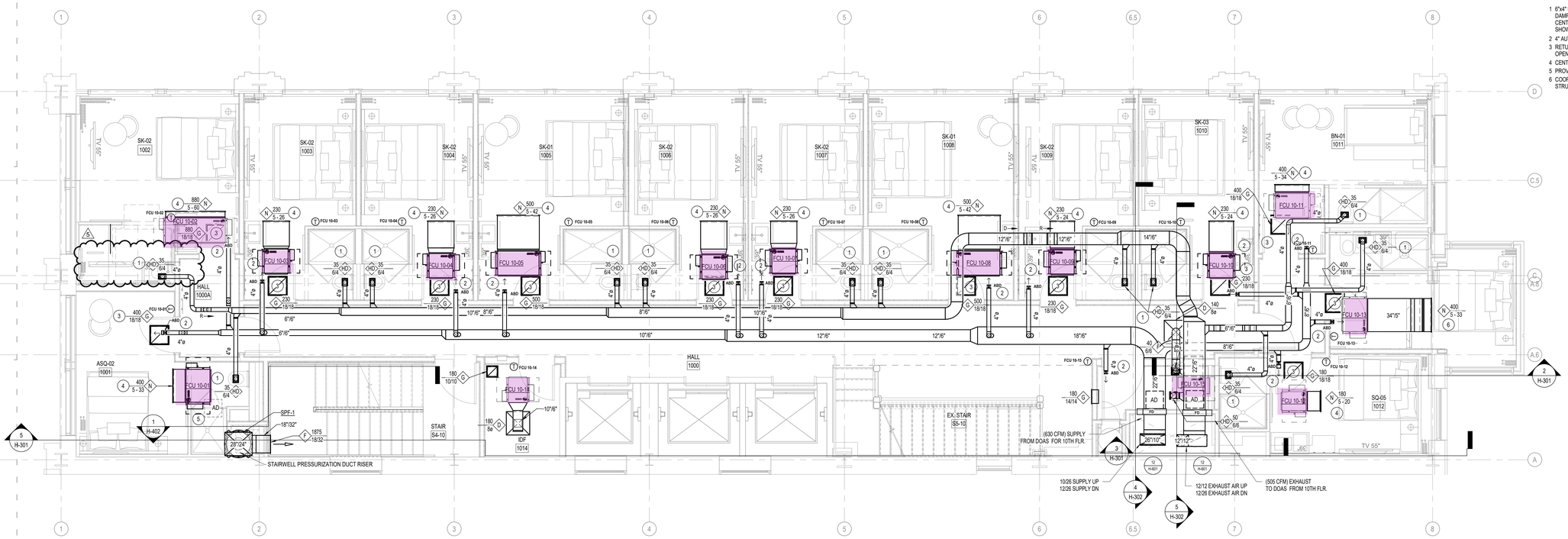
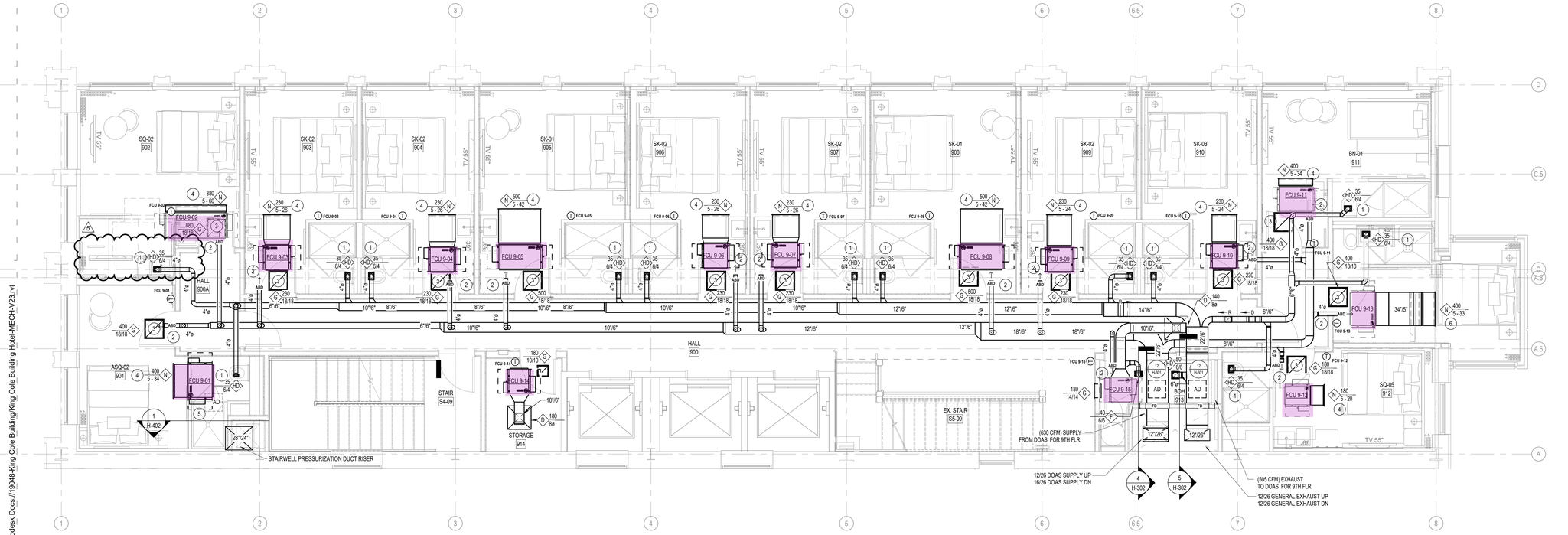
SHEET PLAN NOTES

1. 6"x4" EXHAUST GRILLE WITH AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN. INSTALL GRILLES CENTERED ON THE TOILET MIDLINE, 6" FROM WALL AS SHOWN WITH BLADES DIRECTED TOWARD WALL.
2. 4" AUTOMATIC SUPPLY AIR DAMPER SET TO 45 CFM.
3. RETURN GRILLE SHALL BE CENTERED ON THE ENTRY DOOR OPENING.
4. CENTER SUPPLY GRILLE ON ROOM OPENING.
5. PROVIDE 18" X 18" ACCESS DOOR IN CEILING.
6. COORDINATE DUCTWORK AND GRILLE ELEVATION WITH STRUCTURAL PLANS.



2 TENTH FLOOR HVAC PLAN
1/4" = 1'-0"



1 NINTH FLOOR HVAC PLAN
1/4" = 1'-0"

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SEAL | DATE

DAVID L. BARRINGTON
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PROFESSIONAL ENGINEER
11/21/18

SHEET ISSUE

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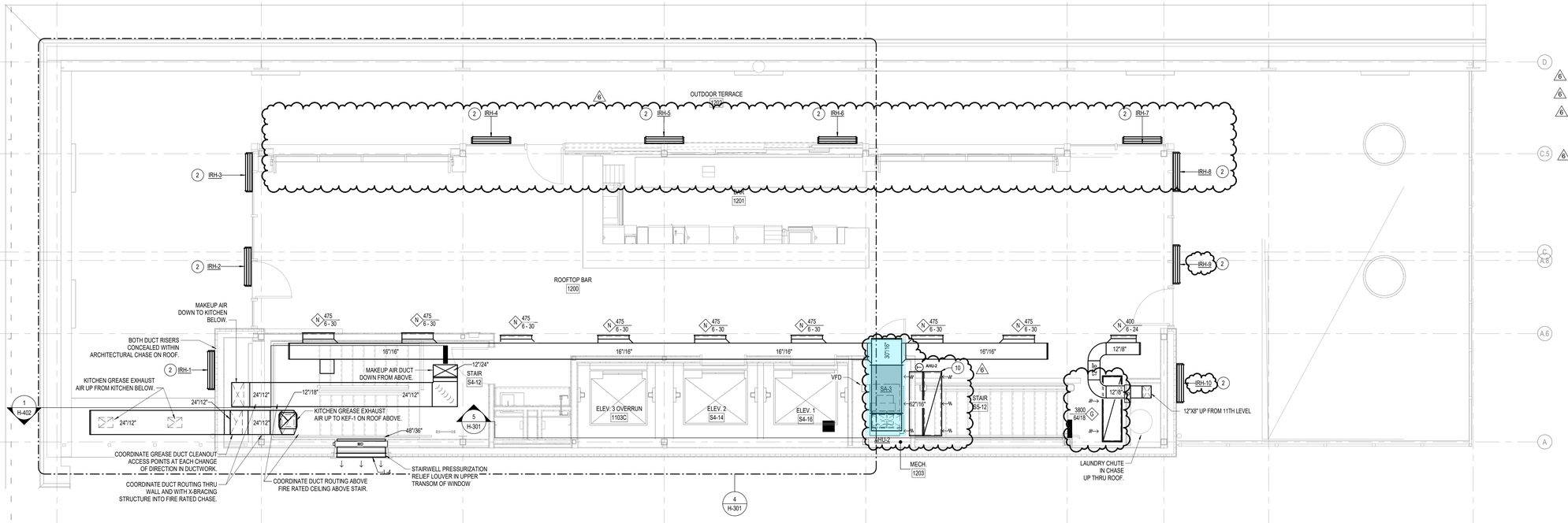
SHEET TITLE
NINTH AND TENTH FLOOR HVAC PLANS

SHEET NUMBER
H-105

2/28/2025 2:54:04 PM Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-MECH-V23.rvt

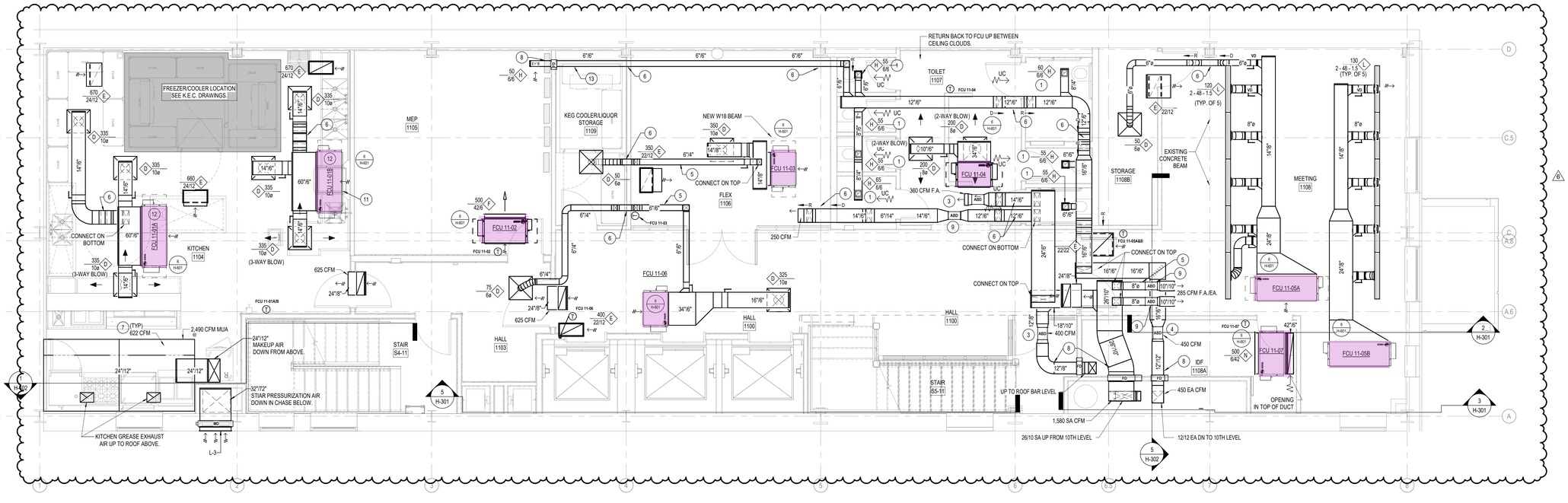
SHEET PLAN NOTES

1. EXHAUST GRILLE SHALL BE CENTERED BETWEEN STALL WALLS.
2. SCHWANK INFRARED RADIANT HEATER - MODEL ESD-5039, 5000 WATTS, 39" LONG, 208 VOLTS/24 AMPS/1 PHASE WITH 2-STAGE CONTROL. MOUNT CENTERED ON MULLION AT 8'-5" ABOVE FLOOR. ATTACH BRACKET TO WOOD BLOCKING BETWEEN. ANGLE REFLECTOR 45° DOWN FROM HORIZONTAL.
3. 10" AUTOMATIC SUPPLY AIR DAMPER SET TO CFM AS SHOWN.
4. 10" AUTOMATIC EXHAUST AIR DAMPER SET TO CFM AS SHOWN.
5. ROUTE DUCTWORK UP BETWEEN NEW STRUCTURE. ROUTE ABOVE SANITARY LINE.
6. ROUTE DUCTWORK UNDER STRUCTURAL BEAM.
7. BALANCE EXHAUST AND SUPPLY AIR TO CFM AS SHOWN.
8. PROVIDE ACCESS DOOR IN DUCT FOR FIRE DAMPER.
9. AUTOMATIC SUPPLY AIR DAMPER SET TO CFM AS SHOWN.
10. MOUNT RETURN AIR GRILLE IN CEILING AT LOCATION SHOWN. PROVIDE 1" LINED RETURN AIR DUCTWORK WITH ELBOW TURNED UP. SEE SM-301.
11. DISHWASHER SYSTEM IS VENTLESS TYPE. NO EXHAUST DUCTWORK REQUIRED.
12. LOCATE DUCT UP BETWEEN ROOF BEAM STRUCTURE.
13. ROUTE DUCT ABOVE KEG COOLER. COORDINATE WITH K.E.C.



2 ROOF BAR HVAC PLAN

1/4" = 1'-0"



1 ELEVENTH FLOOR HVAC PLAN

1/4" = 1'-0"

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DAVID J. BARRINGER — REGISTERED — No. PE10310218 — STATE OF INDIANA — PROFESSIONAL ENGINEER — 11/22/21

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1	BID DOCUMENTS	11/22/2021
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SHEET TITLE
ELEVENTH FLOOR AND ROOF BAR HVAC PLANS

SHEET NUMBER
H-106

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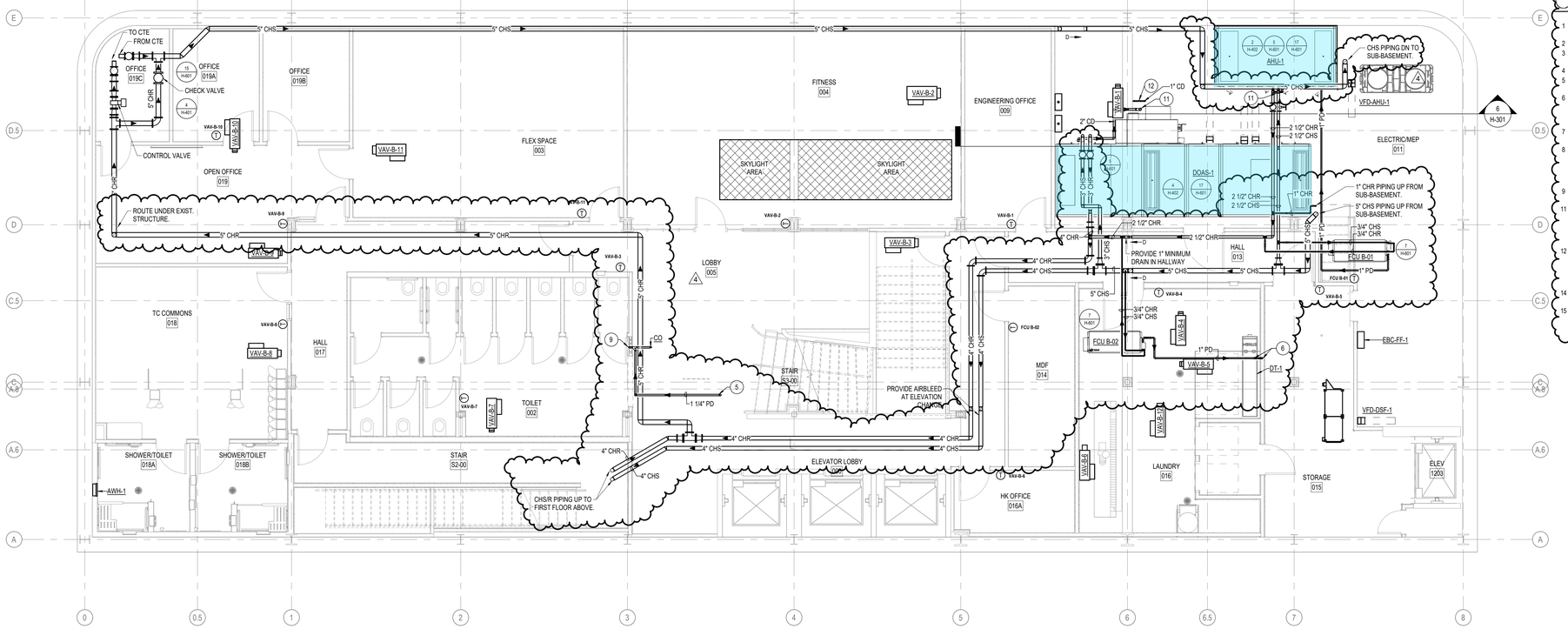


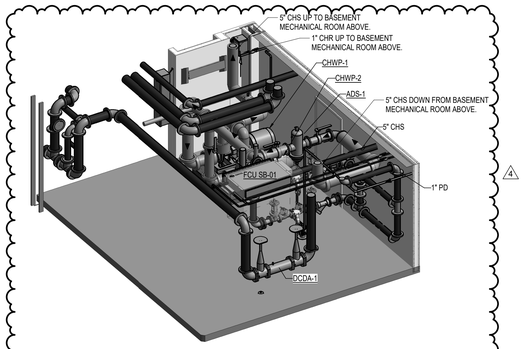
SHEET PLAN NOTES

1. ROUTE 1" CONDENSATE FROM FAN COIL UNIT AND TERMINATE AT FLOOR DRAIN.
2. 5" CHS FROM CTE DOWN FROM BASEMENT FLOOR ABOVE.
3. 5" CHS FROM PUMPS UP TO BASEMENT FLOOR ABOVE. 1" CHR FROM SUB-BASEMENT UP TO BASEMENT LEVEL ABOVE.
4. 1" CHR FROM SUB-BASEMENT UP TO BASEMENT LEVEL ABOVE.
5. ROUTE 1-1/4" CONDENSATE FROM ABOVE CEILING AND TERMINATE AT NEAREST FLOOR DRAIN.
6. ROUTE 1" CONDENSATE FROM ABOVE CEILING AND ROUTE DOWN IN WALL, STUB OUT ADJACENT TO DT-1 BEHIND WASHERS. COORDINATE WITH DIV. 22 FOR DRILLING FIELD INSTALLED HOLE IN TOP OF DRAIN TRENCH.
7. ROUTE CHS/R PIPING AROUND LIGHT FIXTURE AND DUCTWORK IN THIS AREA DUE TO TIGHT CLEARANCES ABOVE CEILING.
8. INSTALL AIR DIRT SEPARATOR PER MANUFACTURER'S INSTRUCTIONS AND ALLOW MIN. OF 5 PIPE DIA. ON EACH SIDE OF UNIT. ROUTE CLEANOUT DRAIN PIPE TO NEAREST FLOOR DRAIN. PROVIDE SHUT-OFF VALVES ON BOTH INLET AND OUTLET SIDES FOR FUTURE ISOLATION OF UNIT.
9. ROUTE 1-1/4" CONDENSATE DOWN IN WALL TO WALL BOX WITH AIR GAP PROVIDED BY DIV. 22.
11. CONNECT FULL SIZE CONDENSATE DRAIN LINE FROM DOAS/AHU AND ROUTE DOWN THRU EXISTING CONCRETE FLOOR TO SUB-BASEMENT CEILING BELOW MECHANICAL ROOM. INSTALL TRAP IN SUB-BASEMENT, AND TERMINATE CD PIPE AT SUMP PIT OR NEAREST FLOOR DRAIN.
12. CONNECT CONDENSATE DRAIN FROM DOAS FLUE. ROUTE DOWN THRU EXISTING CONCRETE FLOOR TO SUB-BASEMENT CEILING BELOW MECHANICAL ROOM. INSTALL TRAP IN SUB-BASEMENT. PROVIDE ACID NEUTRALIZER KIT AND TERMINATE CD PIPE AT SUMP PIT OR NEAREST FLOOR DRAIN.
14. ROUTE CONDENSATE DRAIN LINES FROM BASEMENT MECH. ROOM ABOVE AND TERMINATE AT NEAREST FLOOR DRAIN.
15. COMBINE ALL CONDENSATE DRAINS TOGETHER INTO 2" RISER AND ROUTE DOWN TO FLOOR DRAIN.

2 BASEMENT FLOOR HVAC PIPING PLAN

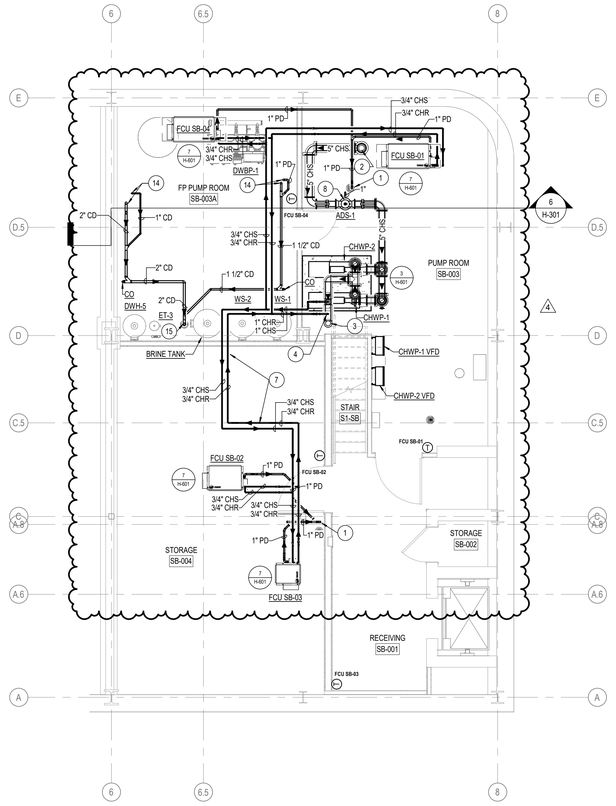
3/16" = 1'-0"

0 4' 8' 12'



3 3D VIEW OF CHILLED WATER PUMPS

NOT TO SCALE



1 SUB-BASEMENT FLOOR HVAC PIPING PLAN

3/16" = 1'-0"

0 4' 8' 12'

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CDG PROJECT NO. 24085

SHEET TITLE

SUB-BASEMENT AND BASEMENT FLOOR HVAC PIPING PLANS

SHEET NUMBER

HP100

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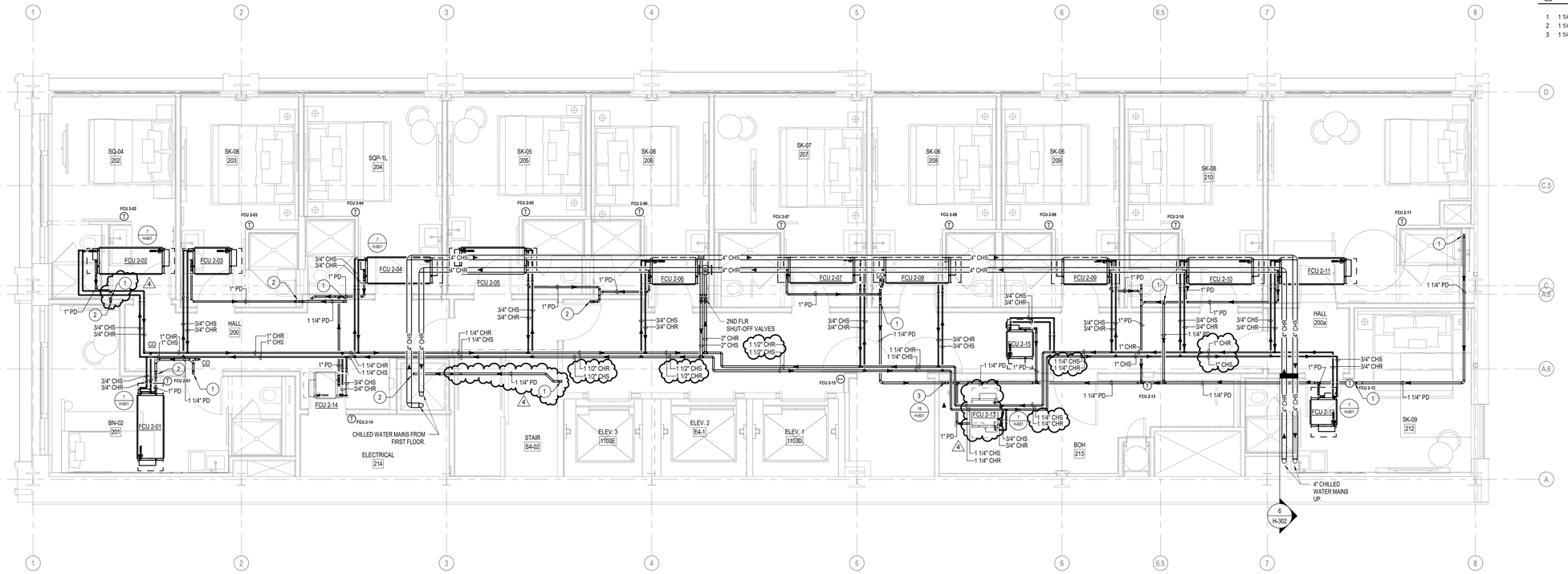
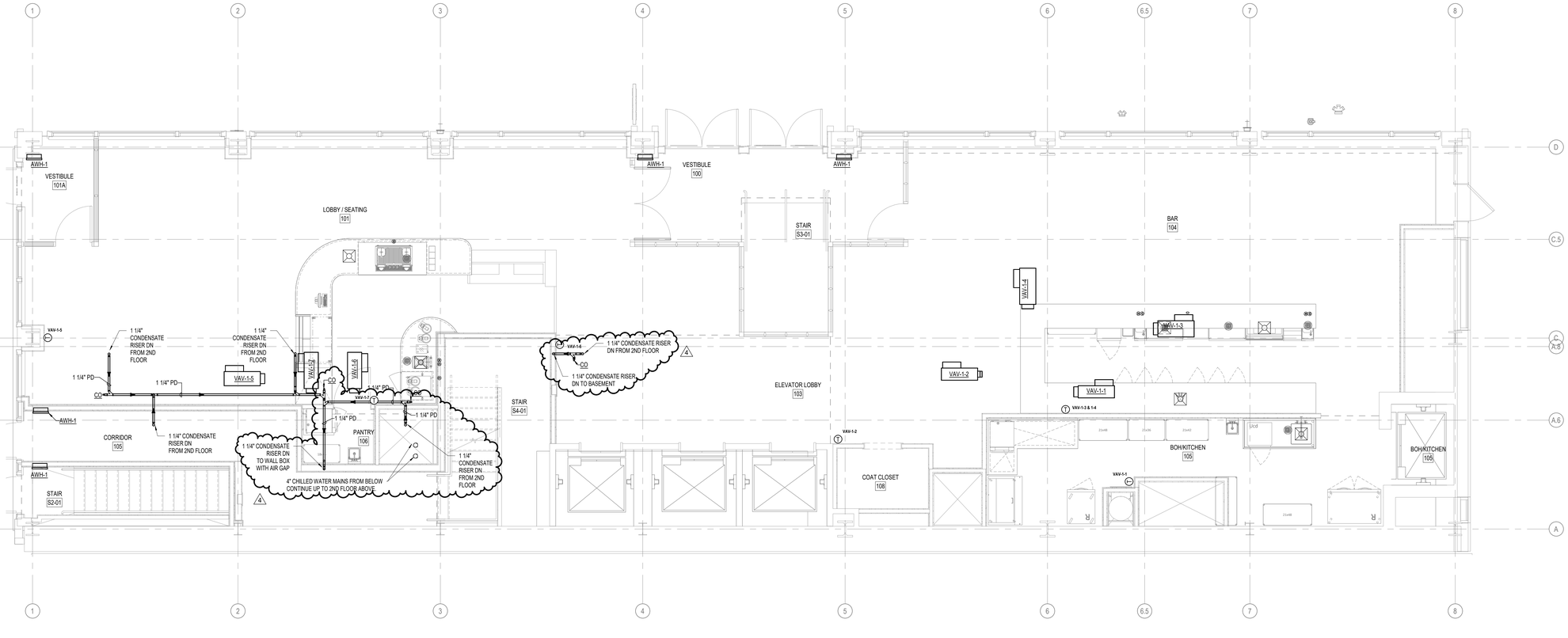
SHEET PLAN NOTES

1. 1 1/4" CONDENSATE RISER DOWN FROM 3RD FLOOR.
2. 1 1/4" CONDENSATE RISER DOWN TO 1ST FLOOR.
3. 1 1/4" CONDENSATE RISER DOWN TO FLOOR SINK.



2 SECOND FLOOR HVAC PIPING PLAN

1/4" = 1'-0"



1 FIRST FLOOR HVAC PIPING PLAN

1/4" = 1'-0"

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KING COLE BUILDING HOTEL

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SEAL | DATE

DAVID A. BARRIENTOS
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No. PE10310918
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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ASI-02	11/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	02/28/2025

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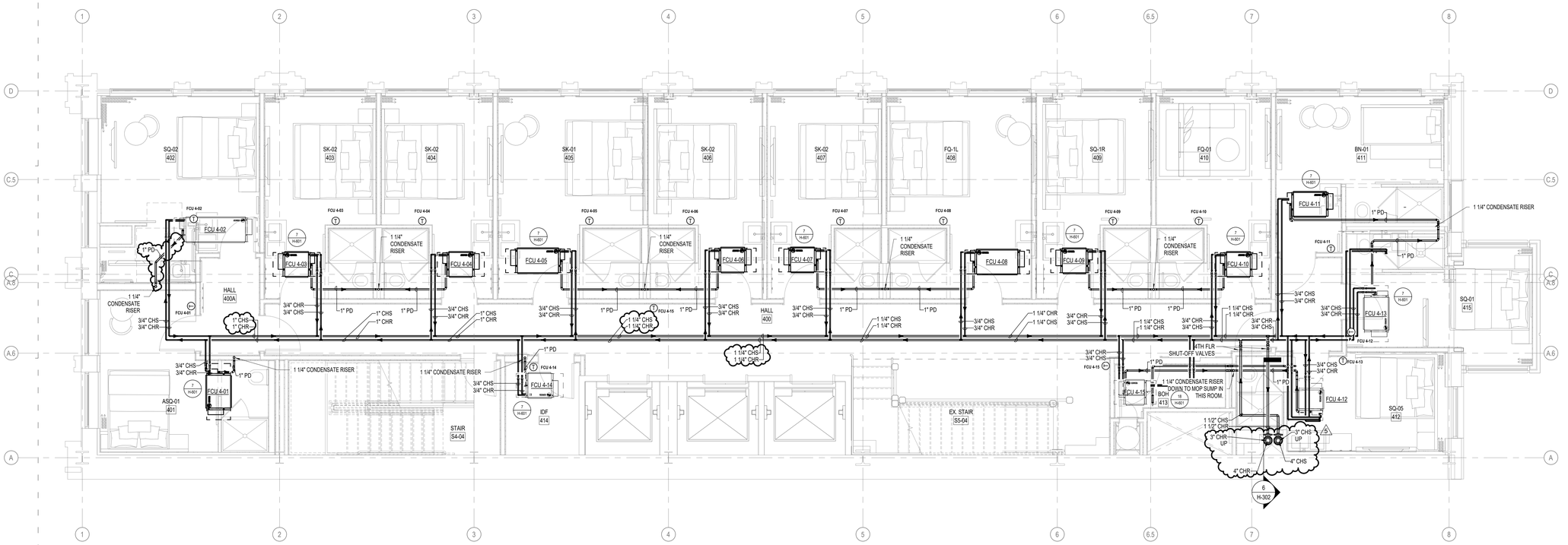
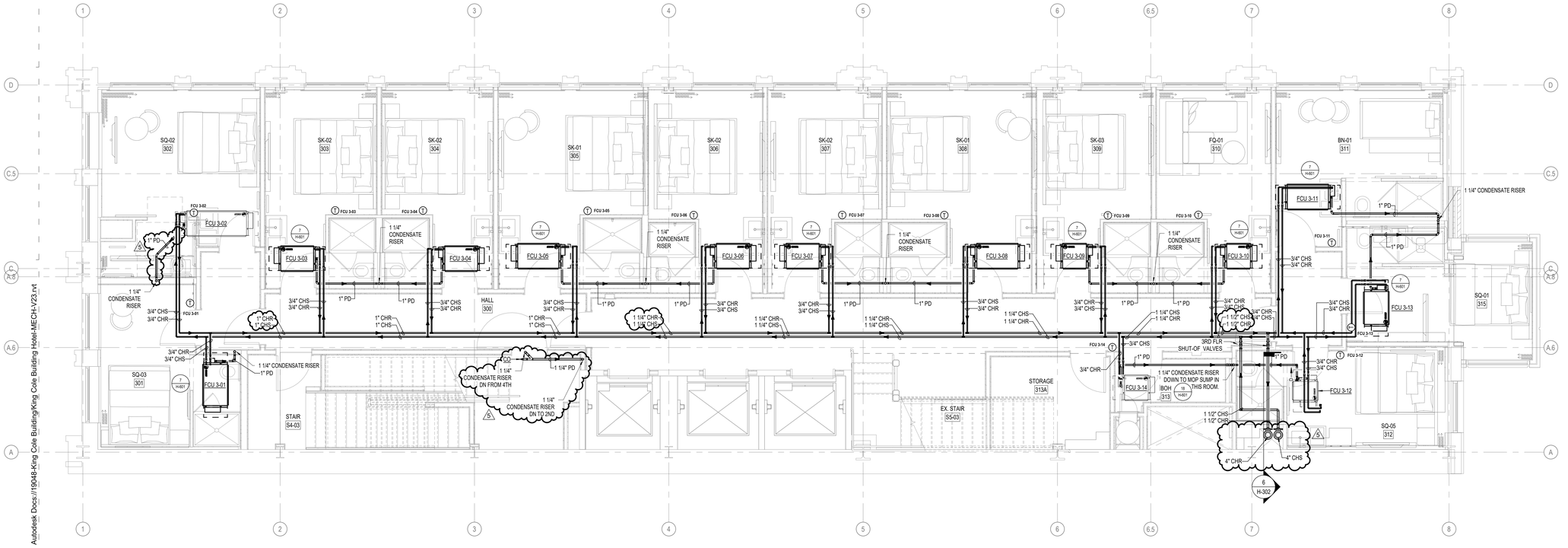
CDG PROJECT NO. 24085

SHEET TITLE
FIRST AND SECOND FLOOR HVAC PIPING PLANS

SHEET NUMBER
HP101



2 FOURTH FLOOR HVAC PIPING PLAN
1/4" = 1'-0"
0 2' 4' 8'



1 THIRD FLOOR HVAC PIPING PLAN
1/4" = 1'-0"
0 2' 4' 8'

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KING COLE BUILDING HOTEL

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4	DD REISSUE	12/09/2024
5	100% CD	02/28/2025

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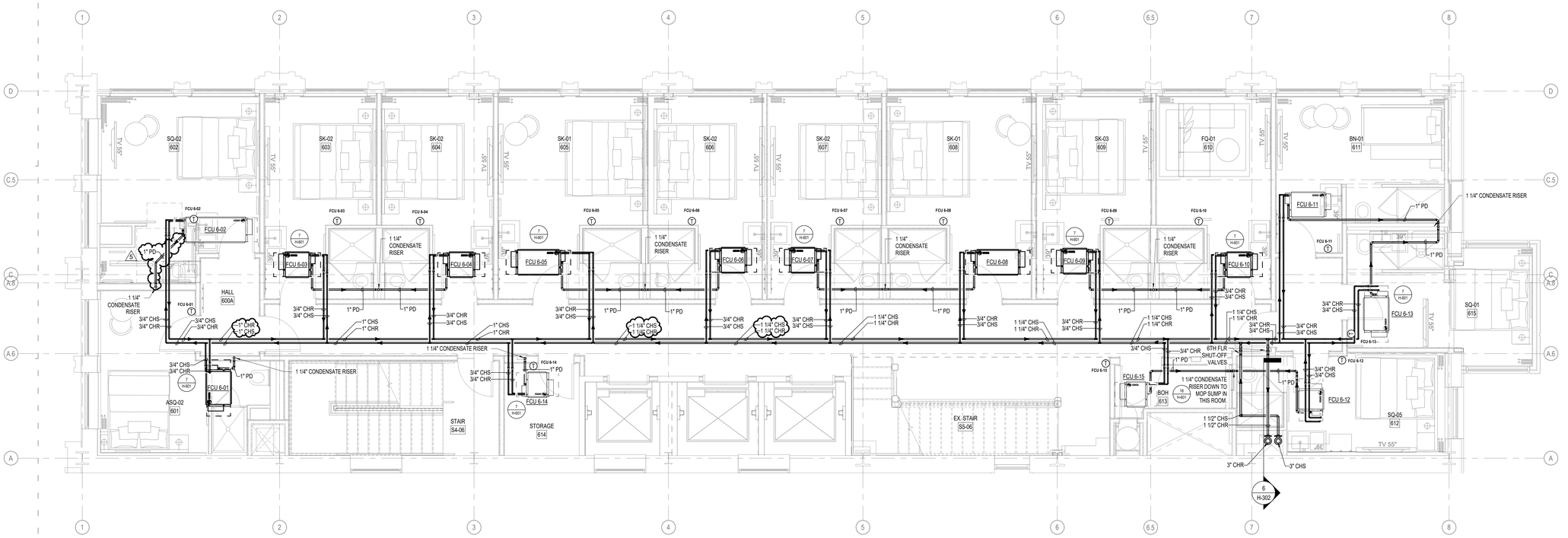
CDG PROJECT NO. 24085

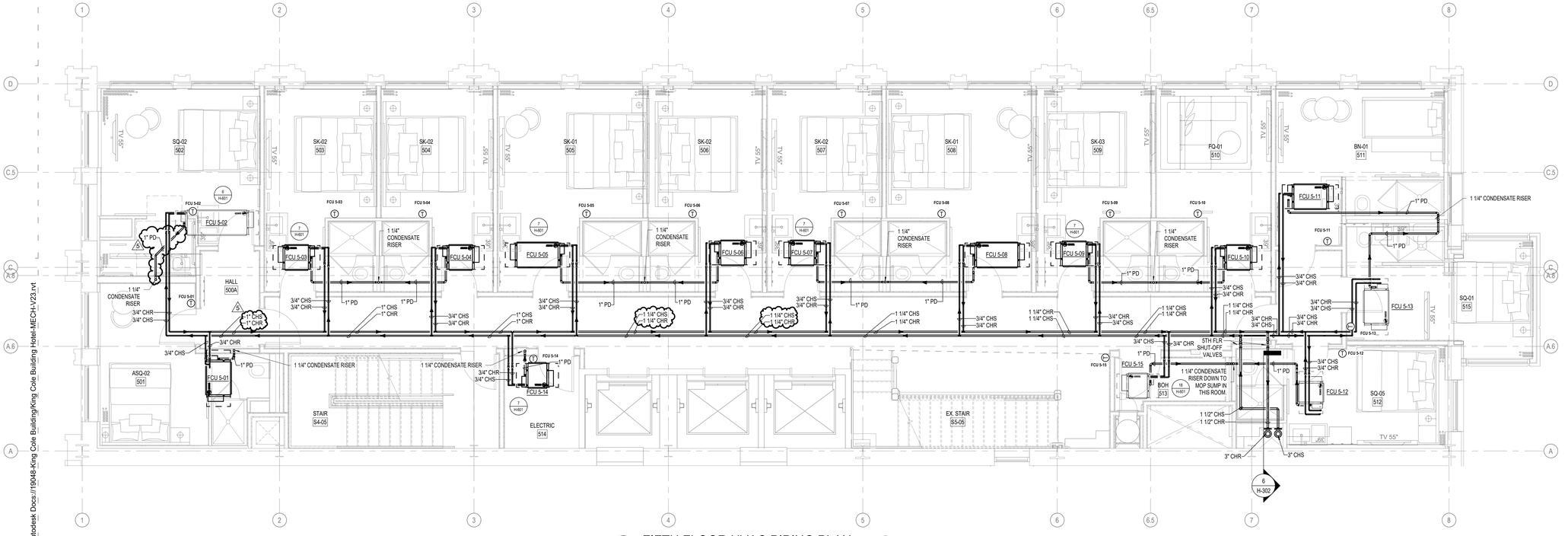
SHEET TITLE
THIRD AND FOURTH FLOOR HVAC PIPING PLANS

SHEET NUMBER
HP102



2 SIXTH FLOOR HVAC PIPING PLAN

1/4" = 1'-0"



1 FIFTH FLOOR HVAC PIPING PLAN

1/4" = 1'-0"

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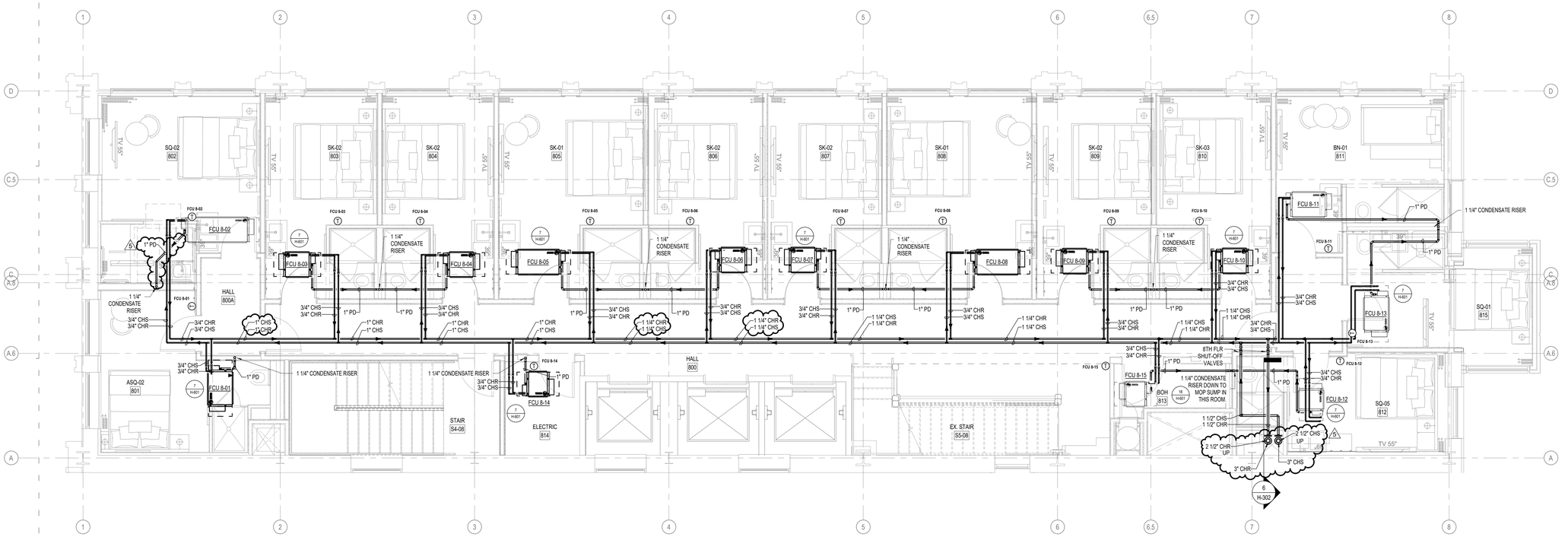
CDG PROJECT NO. 24085

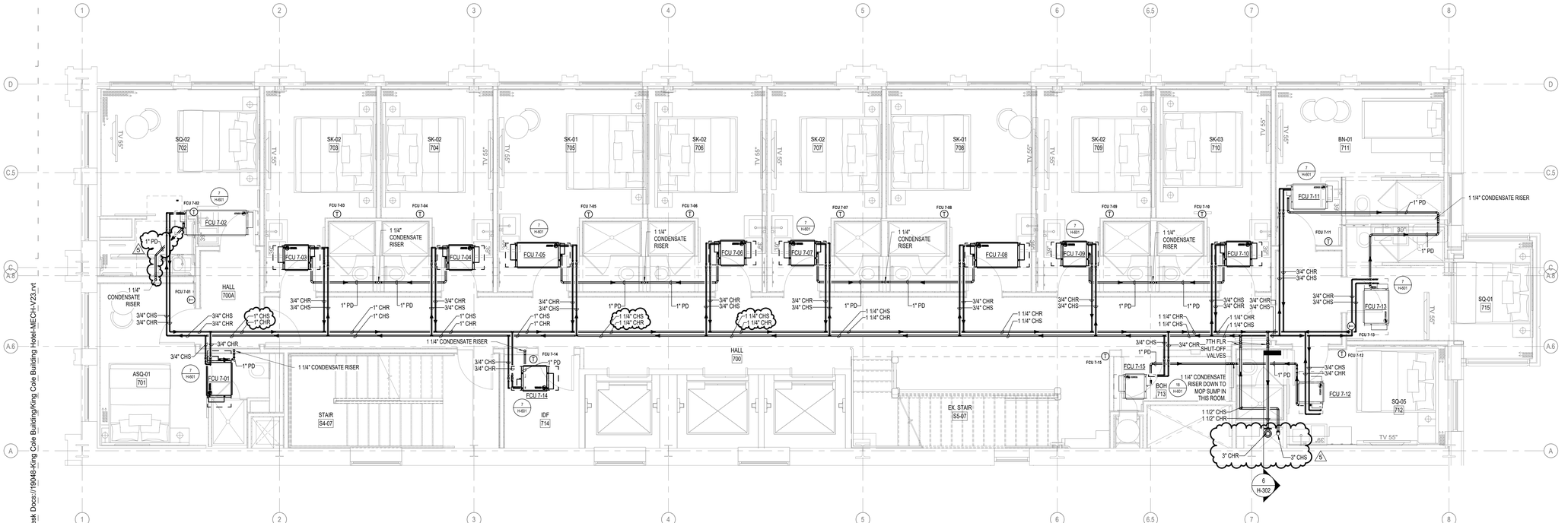
SHEET TITLE
FIFTH AND SIXTH FLOOR HVAC PIPING PLANS

SHEET NUMBER
HP103



2 EIGHTH FLOOR HVAC PIPING PLAN

1/4" = 1'-0"



1 SEVENTH FLOOR HVAC PIPING PLAN

1/4" = 1'-0"

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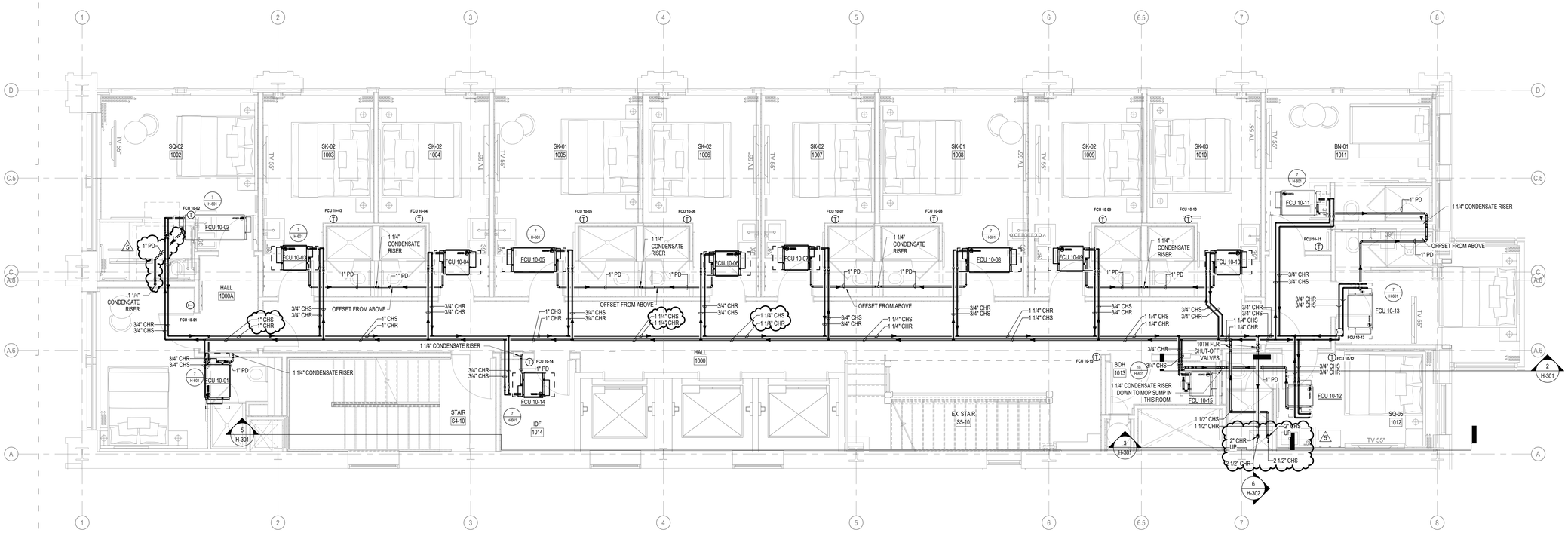
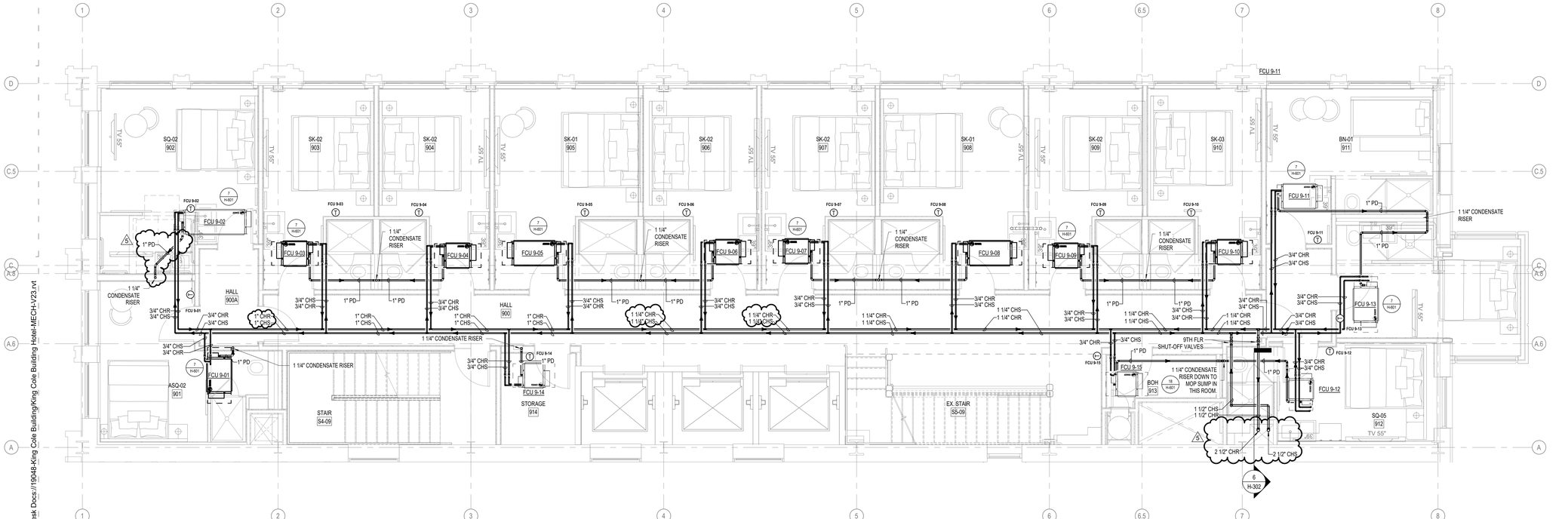
CDG PROJECT NO. 24085

SHEET TITLE
SEVENTH AND EIGHTH FLOOR HVAC PIPING PLANS

SHEET NUMBER
HP104



2 TENTH FLOOR HVAC PIPING PLAN
1/4" = 1'-0"



1 NINTH FLOOR HVAC PIPING PLAN
1/4" = 1'-0"

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CDG PROJECT NO. 24085

SHEET TITLE
NINTH AND TENTH FLOOR HVAC PIPING PLANS

SHEET NUMBER
HP105

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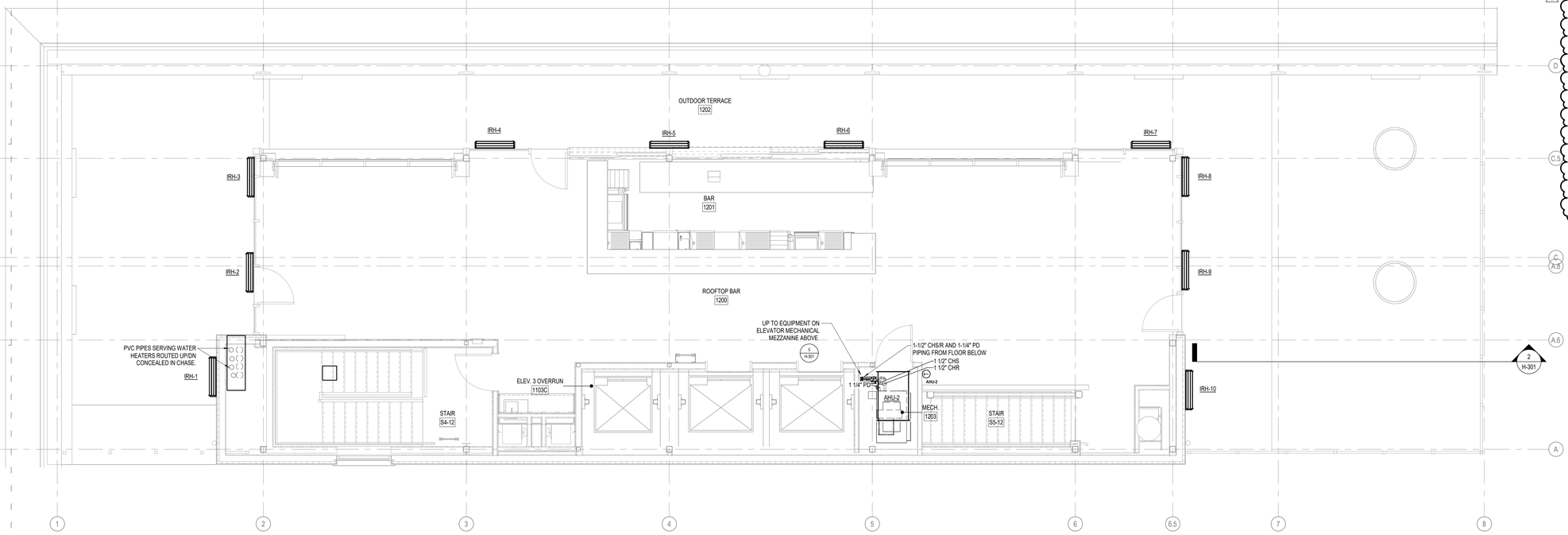
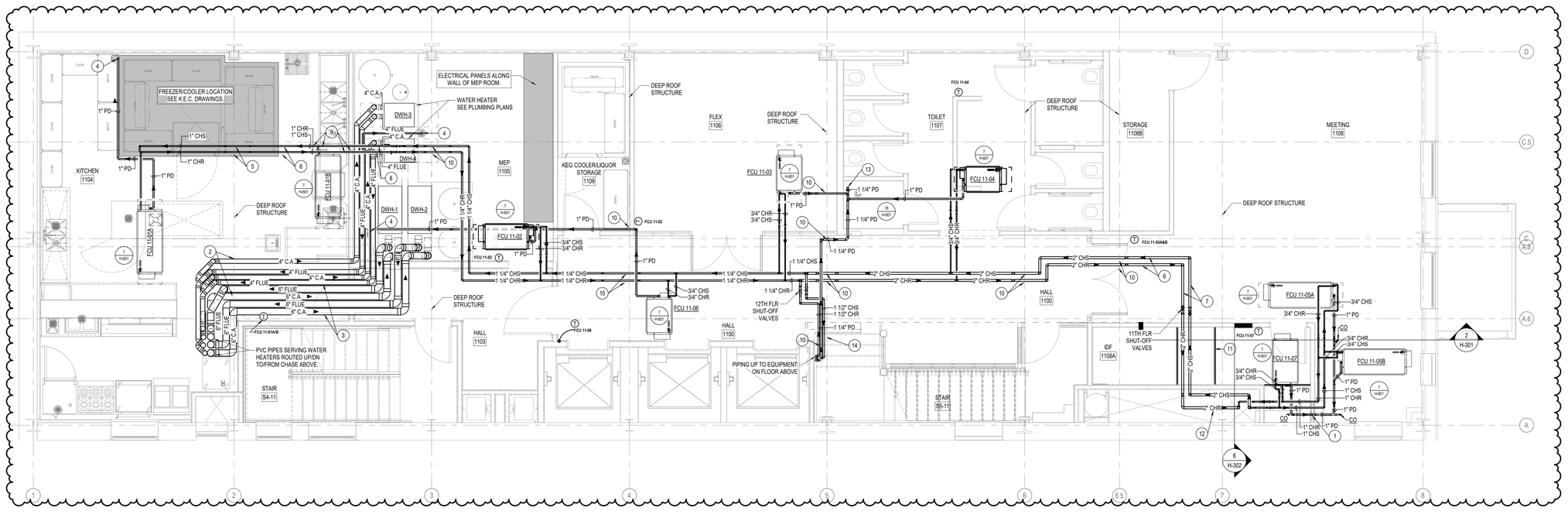


2 ROOF BAR HVAC PIPING PLAN

1/4" = 1'-0"



1 ELEVENTH FLOOR HVAC PIPING PLAN

1/4" = 1'-0"

SHEET PLAN NOTES

1. ROUTE CONDENSATE DOWN IN WALL TO DRAIN BOX WITH AIR GAP PROVIDED BY DIV. 22.
2. ROUTE UNDER BEAM AND KEEP AS HIGH AS POSSIBLE. COORDINATE WITH ARCHITECT FOR LOWER CEILING IN THIS AREA OF KITCHEN.
3. PVC PIPES SERVING GAS FIRED WATER HEATERS.
4. ROUTE 1" CONDENSATE FROM FAN COIL UNIT AND TERMINATE AT FLOOR DRAIN.
5. ROUTE CHSR PIPING UNDER BEAM AND KEEP AS HIGH AS POSSIBLE. COORDINATE EXACT ROUTING WITH TOP PART OF FREEZER/COOLER AND USE PLENUM AREA ABOVE TO ROUTE OVER AND UNDER EXISITING BEAM IF POSSIBLE.
6. ROUTE CHSR PIPING UP BETWEEN NEW ROOF STRUCTURE.
7. ROUTE UNDER JOIST AND KEEP AS HIGH AS POSSIBLE.
8. LOCATE ALL FLOW CONTROL VALVES, STRAINERS, TEMPERATURE CONTROL VALVES, AND SHUT OFF VALVES SERVING KITCHEN FCU'S WITH IN THE MEP ROOM FOR EASIER ACCESS BY MAINTENANCE.
9. ROUTE BOTH SETS OF 1" CHS/R PIPING STACKED WITHIN SAME CLEAR AREA ADJACENT TO NEW 24" DEEP BEAM.
10. ROUTE UNDER BEAM AND KEEP AS HIGH AS POSSIBLE.
11. PROVIDE DRAIN PAN UNDER ALL HVAC AND PLUMBING PIPING LOCATED ABOVE IDF ROOM.
12. ROUTE CHS/R PIPING AROUND NEW PLUMBING MAIN RISERS IN SAME CHASE.
13. TERMINATE CONDENSATE DRAIN AT MOP SINK.
14. ROUTE CHS/R AND CONDENSATE BETWEEN ELEVATOR WALL AND I-BEAM.

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DAVID A. BARRIENTOS REGISTERED LARSEN No. PE10310918 STATE OF INDIANA PROFESSIONAL ENGINEER

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5	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ELEVENTH FLOOR AND ROOF BAR HVAC PIPING PLANS

SHEET NUMBER
HP106

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2/28/2025 3:06:25 PM

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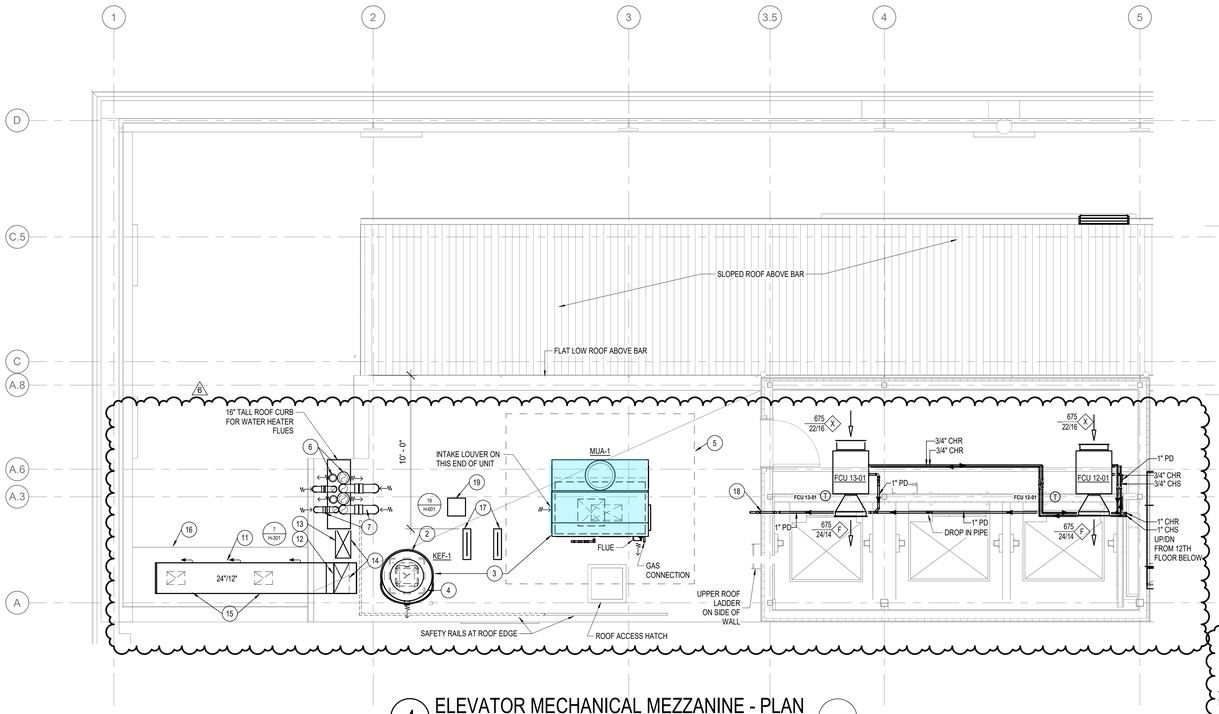
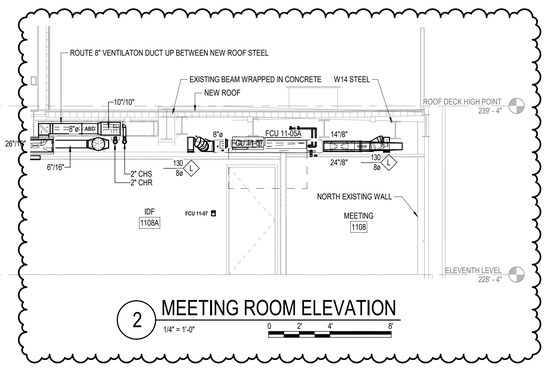
SHEET PLAN NOTES

1. UTILIZE LOW OR ZERO-DROP CONDENSATE DRAIN MECHANISM. COSTGARD PRODUCT OR SIMILAR.
2. PROVIDE UPBLAST GREASE FAN WITH HINGE ACCESS TO ALLOW FAN TO BE ROTATED OFF OF ROOF CURB FOR ACCESS TO CLEAN DOWN INSIDE DUCTWORK FROM ROOF.
3. PROVIDE 24" TALL ROOF CURB FOR BOTH EXHAUST FAN AND MAU.
4. PROVIDE 45 DEGREE ANGLED DISCHARGE EXTENSION (WBE) FACING EAST AWAY FROM MAKE UP AIR UNIT.
5. 3'-0" CLEARANCE LINE AROUND MAU PER MANUFACTURER.
6. WATER HEATER FLUE TERMINATIONS SHALL BE A MINIMUM OF 16" ABOVE INTAKE GOOSENECK FOR COMBUSTION AIR. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
7. WATER HEATER COMBUSTION AIR INTAKE GOOSENECK MINIMUM OF 24" ABOVE FINISHED ROOF. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH FLUE TERMINATION ABOVE.
8. PROVIDE MODULATING FAN CONTROL SUPPLIED WITH FLUE FAN. E.C. TO PROVIDE SEPARATE 120V/1PH CIRCUIT FOR PANEL. INTERLOCK FF-1 WITH PANEL TO PRE-PURGE CHIMNEY PRIOR TO DOAS-1 FURNACE START-UP AND POST-PURGE THE CHIMNEY FOR A VARIABLE TIME AFTER DOAS-1 SHUT DOWN.
9. PROVIDE VENT PIPE CERTIFIED TO UL1738 / ULC S636S FOR USE WITH A CATEGORY 3 APPLIANCE. ALL INSTALLED VENT PIPE AND FITTINGS MUST BE FROM THE SAME MANUFACTURER. DO NOT INTERMIX VENT SYSTEM PARTS FROM DIFFERENT MANUFACTURERS. SEAL JOINT AS CONNECTION TO FLUE COLLAR WITH HIGH TEMPERATURE SILICONE SEALANT (DOW CORNING 736 OR EQUAL) WITH TEMPERATURE RATING OF 500 °F.
10. PROVIDE SHEET METAL DRIP PAN UNDER O.A. DUCT TO PROTECT ELECTRICAL GEAR.
11. ROUTE KITCHEN GREASE EXHAUST DUCT CONCEALED IN ARCHITECTURAL ENCLOSURE AT ROOF. M.C. TO COORDINATE ACCESS DOORS FOR FUTURE CLEANING OF DUCTWORK WITH ARCHITECT.
12. ROUTE KITCHEN GREASE EXHAUST DUCT CONCEALED IN ARCHITECTURAL CHASE ENCLOSURE. M.C. TO COORDINATE ACCESS DOORS FOR FUTURE CLEANING OF DUCTWORK WITH ARCHITECT.
13. ROUTE KITCHEN MAKE UP AIR DUCT CONCEALED IN ARCHITECTURAL CHASE ENCLOSURE.
14. COORDINATE ROUTING OF BOTH DUCTS WITH STRUCTURAL X BRACING.
15. COORDINATE ROUTING OF GREASE DUCT TAKE-OFFS FROM BOTTOM SIDE OF HORIZONTAL MAIN WITH NEW STRUCTURAL I-BEAM LOCATIONS WITH KITCHEN HOOD EXHAUST CONNECTIONS.
16. PROVIDE ACCESS DOOR IN ARCHITECTURAL ROOF ENCLOSURE TO ACCESS GREASE DUCT ACCESS DOOR FOR CLEANING.
17. PROVIDE EQUIPMENT ROOF CURBS FOR K.E.C. FREEZER/COOLER CONDENSING UNIT WITH MIN. OF 16" HEIGHT ABOVE FINISHED ROOF. COORDINATE WITH K.E.C. AND ARCHITECT AS REQUIRED FOR EXACT LOCATION.
18. ROUTE CONDENSATE DRAIN THRU EXTERIOR WALL AND TERMINATE AT ROOF. LOCATED APPROX. 12" ABOVE FINISHED ROOF.
19. PROVIDE ROOF CURBS FOR K.E.C. FREEZER/COOLER CONDENSING UNIT REFRIGERANT PIPING WITH MIN. OF 16" HEIGHT ABOVE FINISHED ROOF. COORDINATE WITH K.E.C. AND ARCHITECT AS REQUIRED FOR EXACT LOCATIONS.



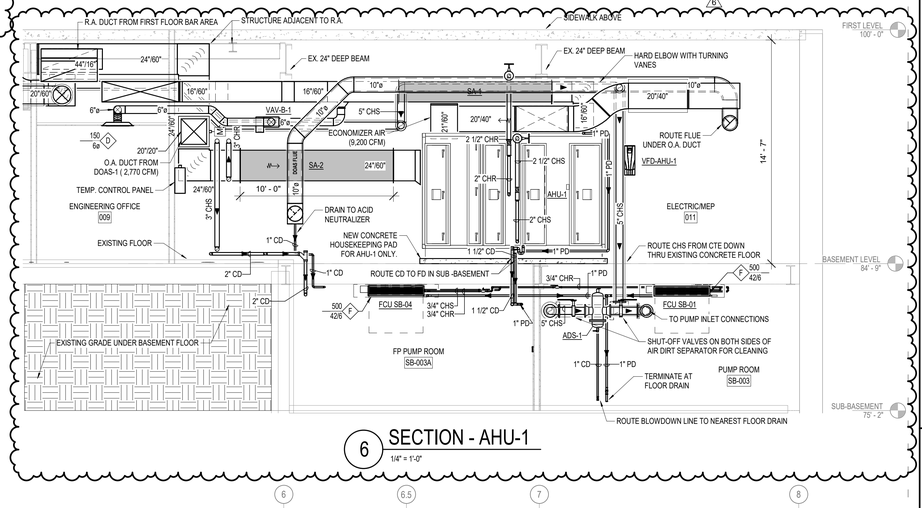
4 ELEVATOR MECHANICAL MEZZANINE - PLAN

1/4" = 1'-0"



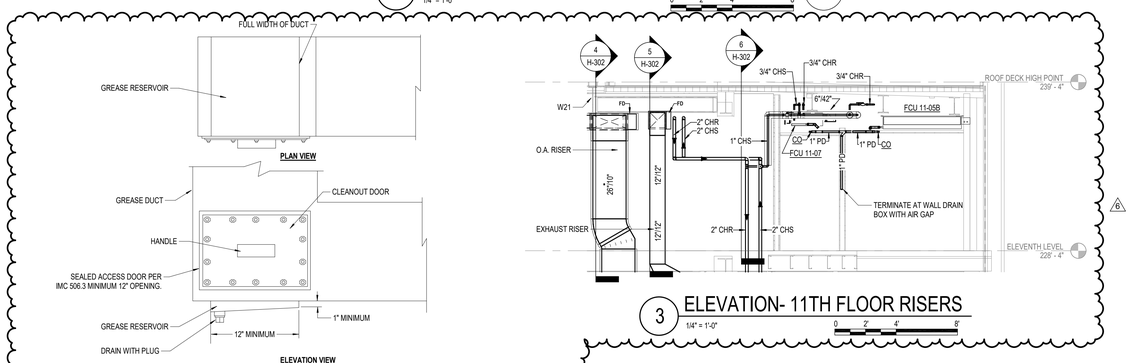
2 MEETING ROOM ELEVATION

1/4" = 1'-0"



6 SECTION - AHU-1

1/4" = 1'-0"

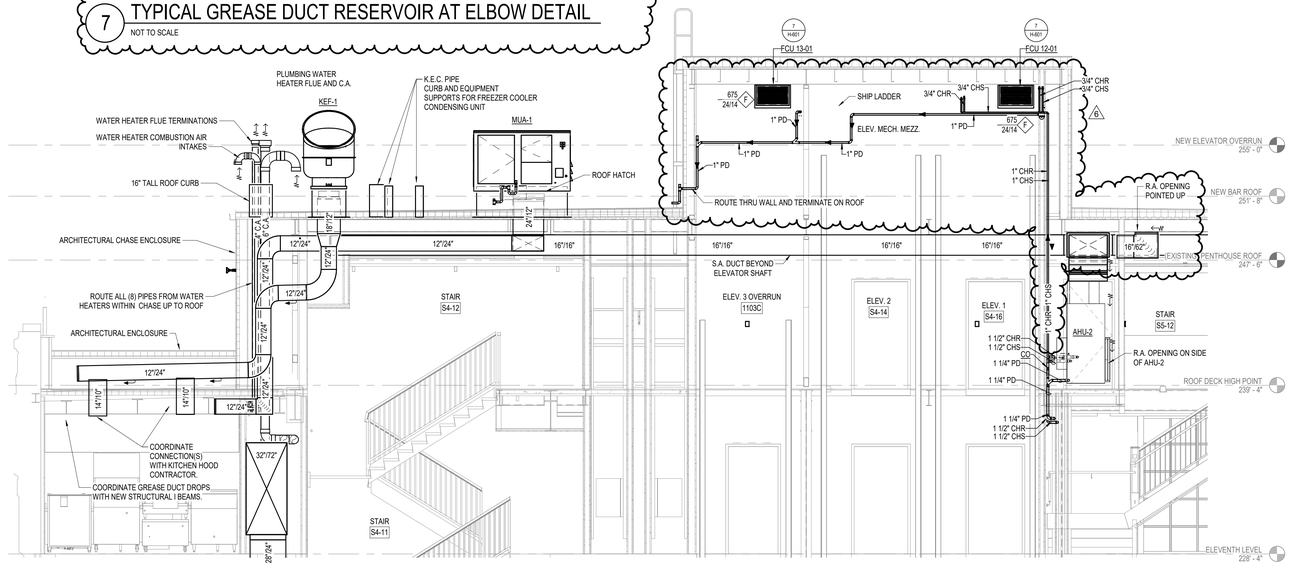


7 TYPICAL GREASE DUCT RESERVOIR AT ELBOW DETAIL

NOT TO SCALE

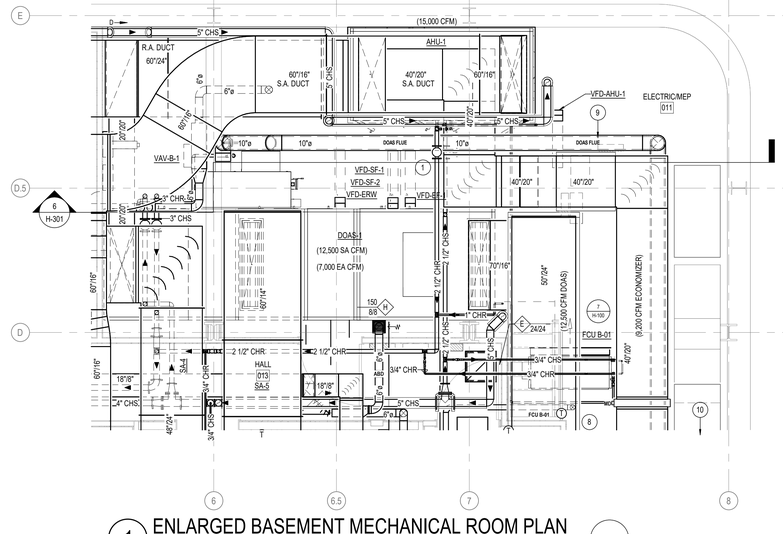
3 ELEVATION- 11TH FLOOR RISERS

1/4" = 1'-0"



5 ELEVATOR MECHANICAL MEZZANINE - ELEVATION

1/4" = 1'-0"



1 ENLARGED BASEMENT MECHANICAL ROOM PLAN

1/4" = 1'-0"

SEAL | DATE

DAVID M. BARRINGTON — 10000154 — REGISTERED — No. PE10910218 — STATE OF INDIANA — PROFESSIONAL ENGINEER

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CDG PROJECT NO. 24085

SHEET TITLE
ENLARGED HVAC PLANS

SHEET NUMBER
H-301

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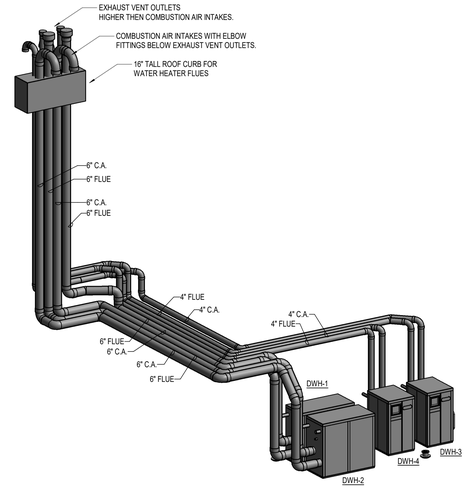
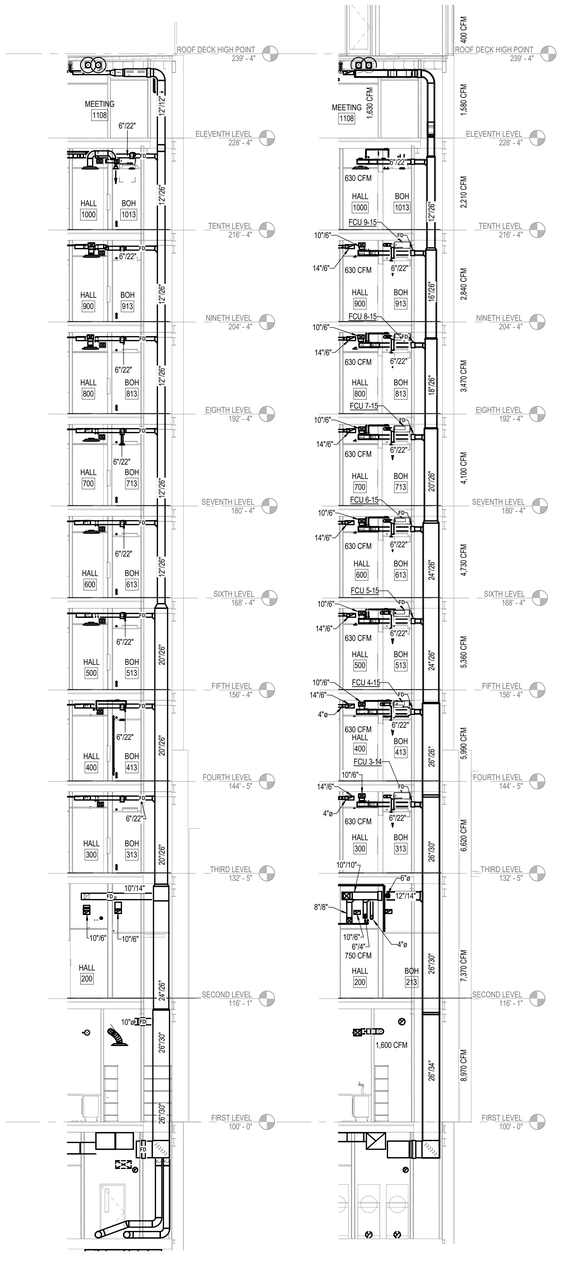
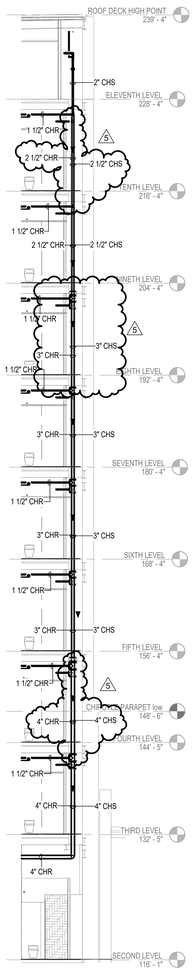


1 3D VIEW OF WATER HEATER FLUE AND COMBUSTION AIR DUCTS
NOT TO SCALE



4 SECTION OF DOAS SUPPLY RISER
1/8" = 1'-0"



5 SECTION OF DOAS EXHAUST RISER
1/8" = 1'-0"

3 SECTION AT 2ND FLOOR
1/4" = 1'-0"

6 SECTION OF CHILLED WATER RISER
1/8" = 1'-0"

KING COLE BUILDING HOTEL
1 N. Meridian
Indianapolis, IN 46204

Owner
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300 North LaSalle Street, Suite 4900
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SEAL | DATE

DAVID A. BARRIENTOS REGISTERED No. PE10310918 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	DD REISSUE	12/09/2024
4	50% CD	01/24/2025
5	100% CD	02/28/2025

CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
SECTIONS

SHEET NUMBER
H-302

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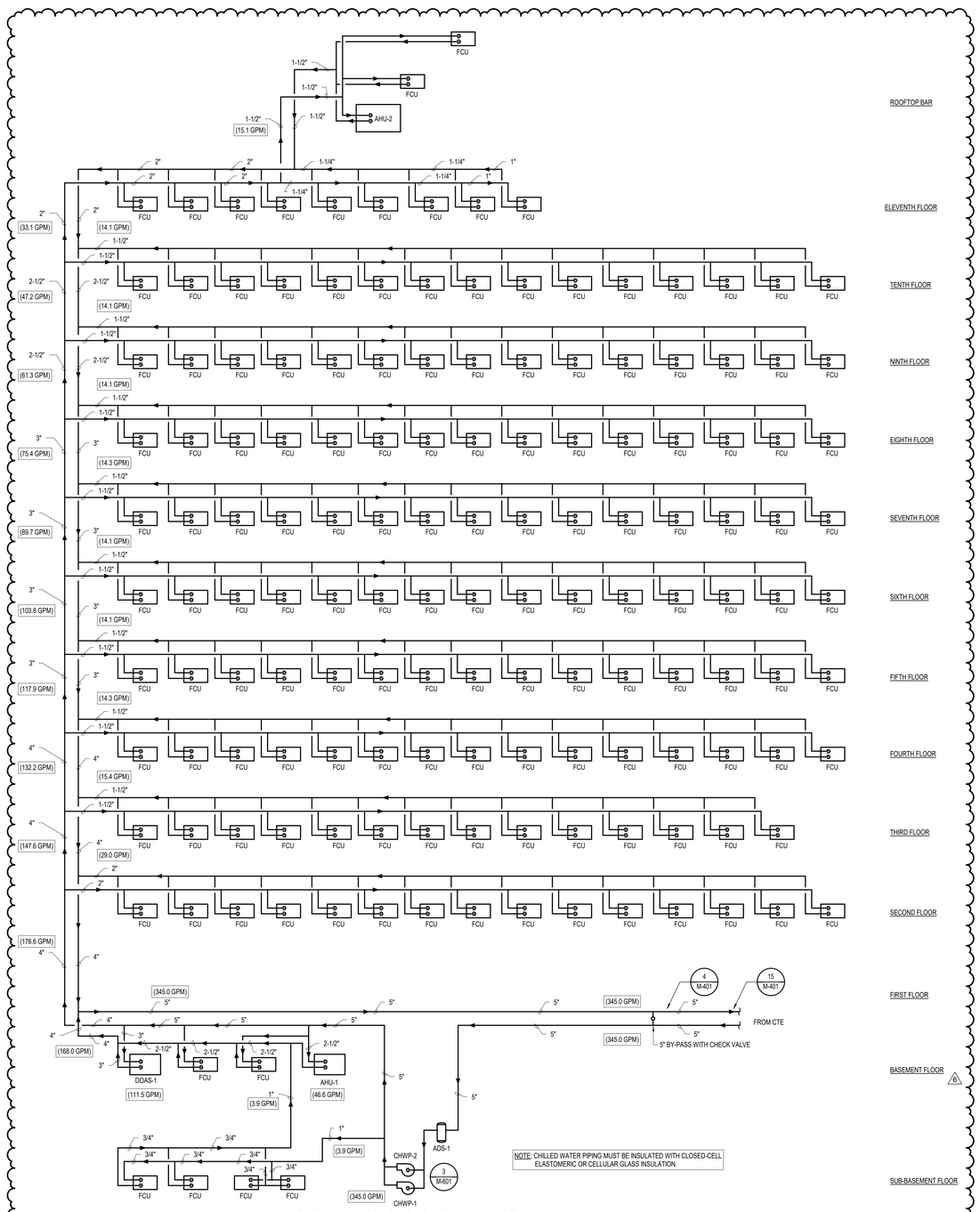
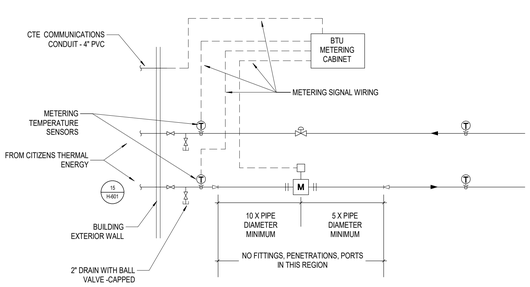


3 CHILLED WATER RISER DIAGRAM

NOT TO SCALE



CITIZENS THERMAL ENERGY SCOPE:

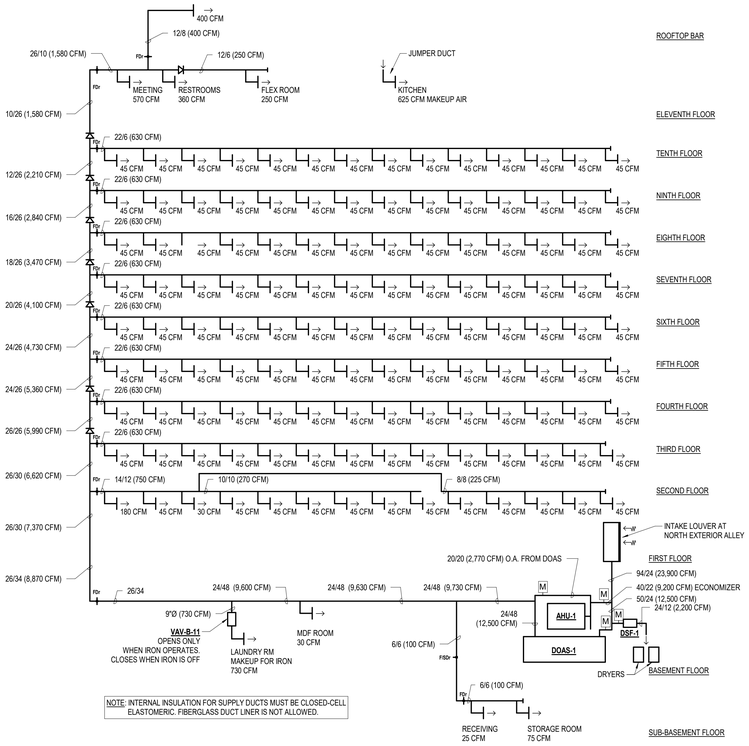
1. FLANGED (150#) DUCTILE IRON S&R PIPING & 4" PVC CONDUIT STUBBED THROUGH WALL WITH LINK-SEAL & ASSOCIATED CORE-DRILLING OF (3) PENETRATIONS.
2. ONE (1) MAGNETIC FLOW METER; CONTACT CTE FOR INSTALLATION DETAILS.
3. TWO (2) METERING TEMPERATURE SENSORS & THERMO-WELLS; SENSORS REQUIRE 24" CLEARANCE; CONTACT CTE FOR INSTALLATION DETAILS.
4. METERING CABINET - 20" X 20" X 8" ENCLOSURE INSTALLED BY CTE; ALL SIGNAL WIRING & CONDUIT BY CTE.

CONTRACTOR SCOPE:

1. INSTALLATION INCLUDING 150# FLANGES & ALL NECESSARY GASKETS & BOLTS OF CTE SUPPLIED MAGNETIC FLOW METER; CONTACT CTE FOR INSTALLATION DETAILS.
2. TWO (2) 3/4" THREAD-O-LETS FOR CTE SUPPLIED METERING TEMPERATURE SENSORS & THERMO-WELLS; SENSORS REQUIRE 24" CLEARANCE; CONTACT CTE FOR INSTALLATION DETAILS.
3. 120 VAC, 20 AMP, DEDICATED POWER CIRCUIT TO J-BOX APPROX. 4 FT. ABOVE FLOOR IN VICINITY OF CTE METERING CABINET.
4. PRIOR TO ANY WELDING OR HOT WORK, DISCONNECT ALL WIRING TO THE FLOW METER TUBE. DO NOT USE THE FLOW TUBE GROUND OR FLOW TUBE MOUNTING BOLTS AS A WELDING EQUIPMENT GROUND.
   IF THERE IS POTENTIAL FOR THE FLOW TUBE TO BE HEATED FROM NEARBY WELDING OR HOT WORK, THE TUBE MUST BE PHYSICALLY REMOVED TO PREVENT LINER DAMAGE.
5. TEMPERATURE CONTROL VALVE.

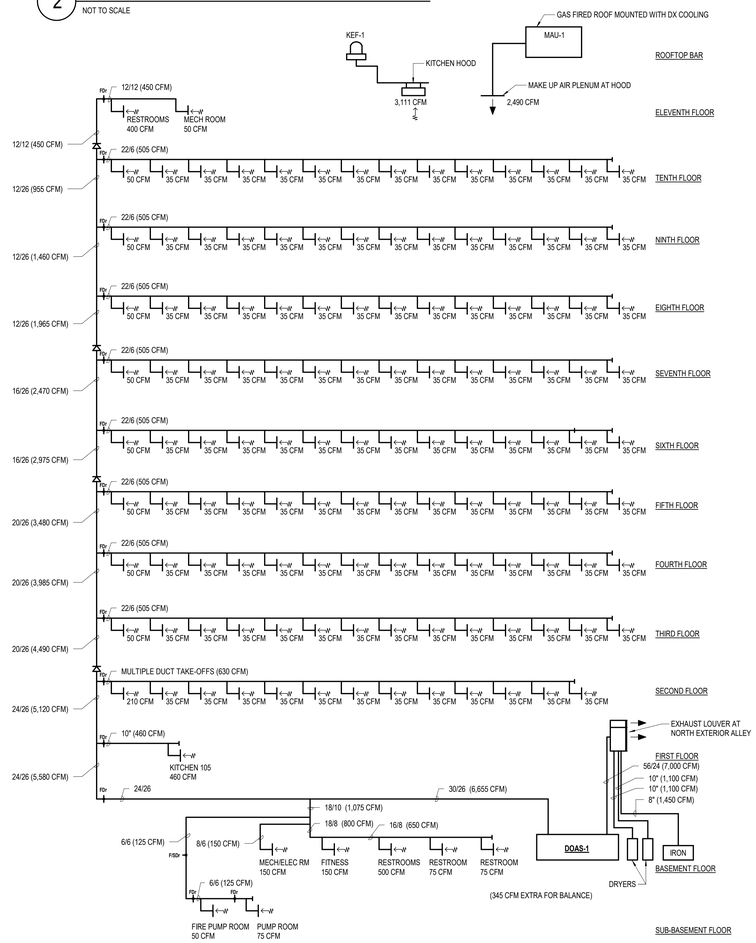
4 CHILLED WATER INCOMING SERVICE DETAIL

NOT TO SCALE



2 DOAS-1 SUPPLY AIR RISER DIAGRAM

NOT TO SCALE



1 EXHAUST AIR RISER DIAGRAM

NOT TO SCALE

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CDG PROJECT NO. 24085

SHEET TITLE
HVAC RISER DIAGRAMS

SHEET NUMBER
H-401

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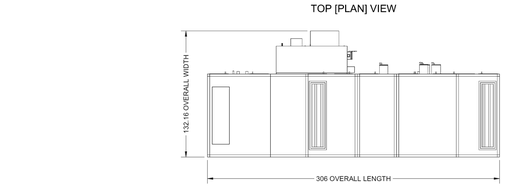
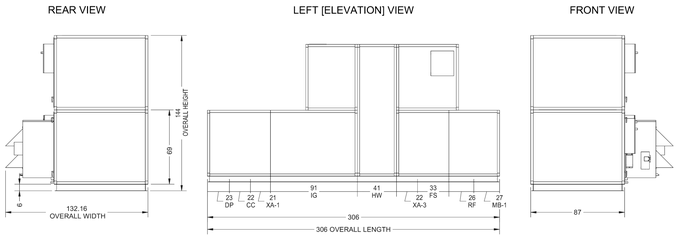
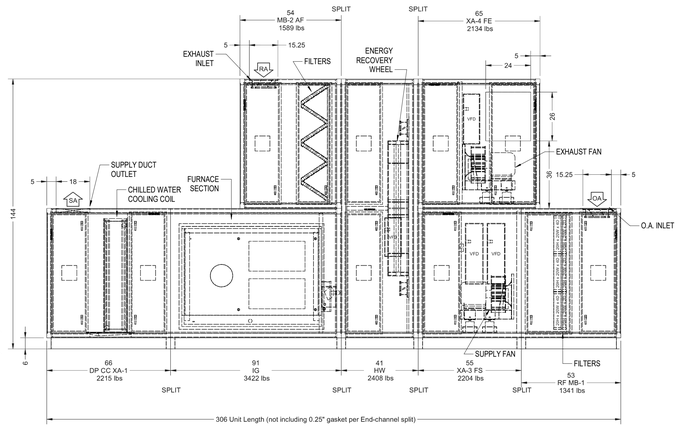
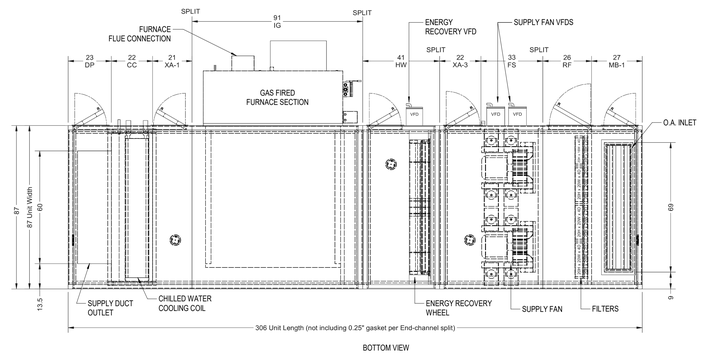
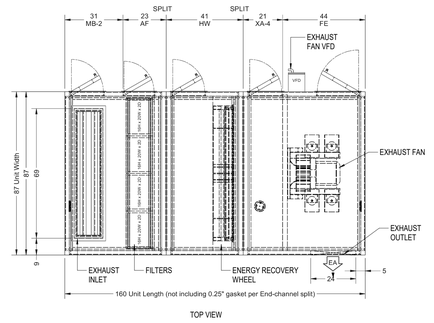




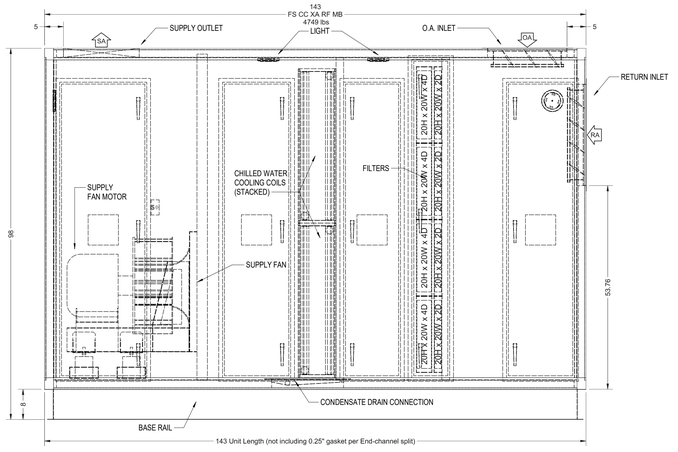




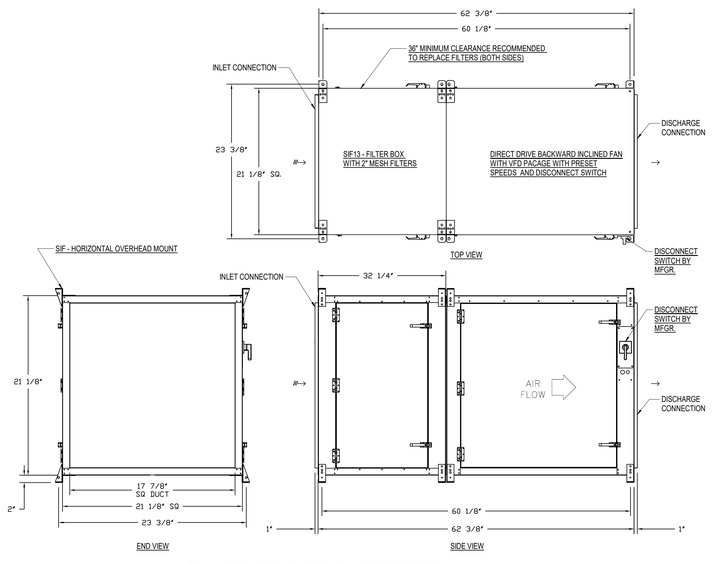


4 DOAS-1 DETAIL

NOT TO SCALE



NOTE:
PROVIDE HOUSEKEEPING PAD UNDER AHU-1 ONLY.
DO NOT PROVIDE HOUSEKEEPING PAD UNDER DOAS-1.



3 DRYER SUPPLY FAN DETAIL

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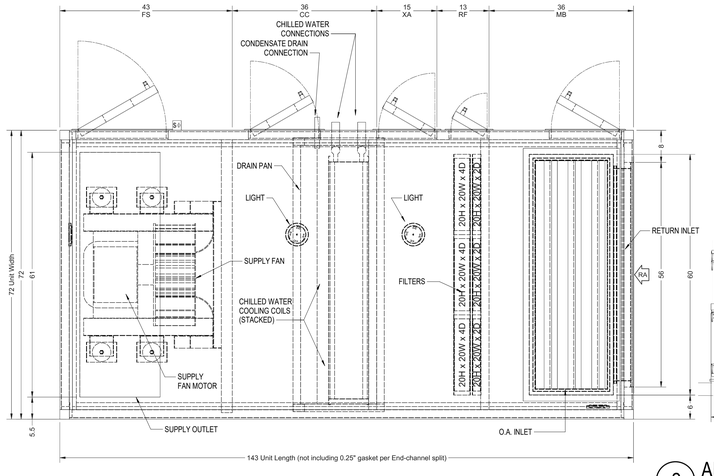

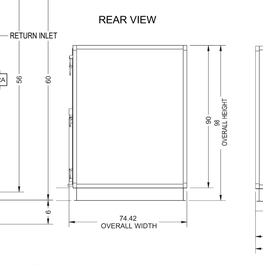

2 AHU-1 DETAIL

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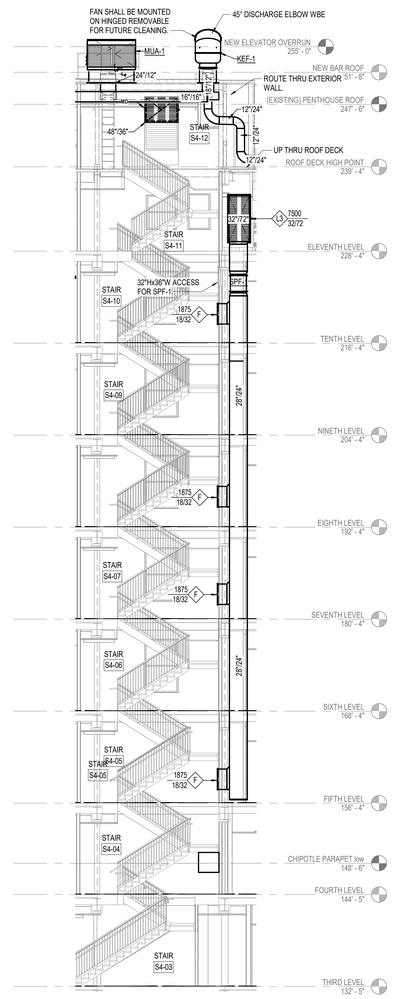

1 STAIRWAY PRESSURIZATION DIAGRAM

1/8" = 1'-0"

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CDG PROJECT NO. 24085

SHEET TITLE
HVAC RISER DIAGRAMS & EQUIPMENT DETAILS

SHEET NUMBER
H-402

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DEDICATED OUTSIDE AIR UNIT SCHEDULE

UNIT INFORMATION						SUPPLY FAN DATA - DIRECT DRIVE PLENUM TYPE									COOLING COIL DATA - CHILLED WATER												ENERGY RECOVERY WHEEL DATA												PRE FILTER / FINAL FILTER DATA					STAINLESS STEEL MODULATING GAS BURNER												
UNIT NUMBER	LOCATION	UNIT TYPE	MANUFACTURER & MODEL NO.	WEIGHT (LBS)	CFM	MIN. O.A. CFM	E.S.P. (IN. WG.)	T.S.P. (IN. WG.)	RPM	FLOW CONTROL	BHP/HP	VOLT	PHASE	TOTAL CAP. (MBH)	SENS. CAP. (MBH)	F.A. (SQ. FT.)	MIN FINS/IN.	MIN. ROWS	TUBE SIZE (IN.)	E.A.T. DB (°F)	E.A.T. WB (°F)	L.A.T. DB (°F)	L.A.T. WB (°F)	E.W.T. WB (°F)	L.W.T. WB (°F)	MAX. FACE VEL. (FPM)	GPM	MAX. A.P.D. (IN. WG.)	MAX. W.P.D. (IN. WG.)	FLOW RATE	TOTAL CAP. (MBH)	E.A.T. DB (°F)	E.A.T. WB (°F)	L.A.T. DB (°F)	L.A.T. WB (°F)	HP	VOLT	PHASE	FLA (A)	TYPE	EFFICIENCY	THICKNESS (IN.)	NUMBER / SIZE (IN.)	A.P.D. (IN. WG.)	INPUT MBH	OUTPUT MBH	TEMP RISE	AFUE	TYPE	TURNDOWN	A.P.D. (IN WG.)	WEIGHT (LB)	GP (IN WC.) MIN	GP (IN WC.) MAX	VOLT	PHASE	FLA (A)	REMARKS
DOAS-1	BASEMENT MECH.	DRAW THRU	JCI YORK SOLUTIONS XTI-69XB7	15,414	12,500	12,500	2.5	6.59	2,328	VFD (W/ BY-PASS)	(2) 9.97/15.0	208	3	788.0	386.0	29.6	10	8	2.5	79.7	71.8	52.3	52.2	45.0	59.1	423	111.5	1.01	11.0	VFD	WINTER 570.3	-10.0	-10.0	25.5	23.5	0.3	208	3	2.3	PLEATED	MERV 8 / 13	2" / 4"	(2) 9/20x20; (2) 3/20x16	0.21 / 0.45	1,543	1,250	79.0	81%	DRUM & TUBE	19.3 TO 1	0.26	1,873	7"	14"	(2) 120	(2) 1	12.0	SEE NOTES
																														SUMMER 291.3	83.7	77.5	79.7	71.8																								

NOTES:
1. INSULATED ULTRA LOW LEAKAGE CONTROL DAMPERS FOR MINIMUM OUTSIDE AIR WITH AIR FLOW MONITORING STATION.
2. 20" WIDE ACCESS DOORS WITH 8"X 8" WINDOWS.
3. LED LIGHTS IN EACH SECTION WITH TIMER SWITCH. LIGHTS ON SEPARATE POWER CIRCUIT BY DIV. 26.
4. ONE VARIABLE FREQUENCY DRIVE SERVING TWO MOTORS.
5. 6" HIGH BASE RAIL.
6. 0-3" W.C. FILTER GAUGE.
7. BURNER TO BE NATURAL GAS
8. GAS FIRE BURNING MODEL: HF125DSS2A1A20DGN1F1SDVF. FURNACE SECTION REQUIRES SEPARATE 120V/1PH POWER CIRCUIT. COORDINATE WITH DIV. 26. PROVIDE PH NEUTRALIZER FOR FLUE CONDENSATE BEFORE ROUTING TO NEAREST FLOOR
9. ENERGY RECOVERY WHEEL: AIRXCHANGE ERC-68100C, ENTHALPY TYPE, SILICA GEL COATING, VERTICAL ARRANGEMENT, WITH BYPASS
10. UNIT SHALL HAVE SINGLE POINT POWER CONNECTION. COORDINATE WITH DIV. 26.

DOAS EXHAUST FAN SCHEDULE

UNIT INFORMATION		DIRECT DRIVE FAN AND ELECTRICAL DATA						SUMMER COIL DATA				WINTER COIL DATA				EXHAUST FILTER DATA				
UNIT NUMBER	LOCATION	CFM	FLOW CONTROL	E.S.P. (IN. WG.)	T.S.P. (IN. WG.)	RPM	BHP / HP	VOLT	PHASE	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TYPE	EFFICIENCY	THICKNESS (IN.)	NUMBER / SIZE (IN.)	A.P.D. (IN. WG.)	REMARKS
DOAS-1	BASEMENT MECH.	7,000	VFD (W/ BY-PASS)	2.50	4.49	2,124	7.16 / 7.5	208	3	75.0	63.0	-	-	70.0	53.0	-	-	PLEATED	MERV 8	2"	24/16x20	0.10	SEE NOTES

NOTES:
1. VARIABLE FREQUENCY DRIVE MOUNTED IN UNIT.
2. 0-2" W.C. FILTER GAUGE.
3. 20" WIDE ACCESS DOORS WITH 8"X 8" WINDOWS.
3. LED LIGHTS IN EACH SECTION WITH TIMER SWITCH.

AIR HANDLING UNIT SCHEDULE

UNIT INFORMATION									SUPPLY FAN DATA - DIRECT DRIVE PLENUM TYPE									COOLING COIL DATA - CHILLED WATER																SEE ELECTRIC REHEAT COIL SCHEDULE						ELECTRICAL DATA		PRE-FILTER / FINAL FILTER DATA					
UNIT NUMBER	AREA SERVED	UNIT TYPE	ARRANGEMENT	MANUFACTURER	MODEL NUMBER	WEIGHT (LBS)	VOLT	PHASE	CFM	MIN. O.A. CFM	E.S.P. (IN. WG.)	T.S.P. (IN. WG.)	RPM	FLOW CONTROL	BHP/HP	VOLT	PHASE	SENS. CAP. (MBH)	TOTAL CAP. (MBH)	F.A. (SQ. FT.)	MIN FINS/FT.	MIN. ROWS	TUBE SIZE (IN.)	E.A.T. DB (°F)	E.A.T. WB (°F)	L.A.T. DB (°F)	L.A.T. WB (°F)	E.W.T. WB (°F)	L.W.T. WB (°F)	MAX. FACE VEL. (FPM)	GPM	MAX. A.P.D. (IN. WG.)	KW	EAT	LAT	CONTROL	VOLT	PHASE	MCA/MOP	DISCONNECT SWITCH	TYPE	EFFICIENCY	THICKNESS (IN.)	NUMBER / SIZE (IN.)	A.P.D. (IN. WG.)	REMARKS
AHU-1	FIRST FLOOR BASEMENT	DRAW THRU	HORIZONTAL	JCI	XTI-90x72	4,890	120	1	15,000	3,325	2.75	5.57	1,924	VFD	19.79/25	208	3	294	329	32.2	132	5	2.0	72.9	61.3	55.1	53.7	45.0	59.1	466	46.6	0.61	-	-	-	-	-	-	- / -	-	PLEATED	MERV 8 / 13	2 / 4	(2) 12/20X20	0.25 / 0.58	SEE NOTES
AHU-2	ROOFTOP BAR	DRAW THRU	VERTICAL	JCI	XTI-36x51	1100	-	-	3800	DOAS-1A	0.75	3.15	2,153	VFD	2.86/5	208	3	70.1	72.1	7.5	144	8	3/8	75.0	63.0	56.7	56.6	45.0	59.0	507	10.3	1.0	20.0	75.0	91.6	SCR	208	3	94.4 / 100	UNIT MFGR	PLEATED	MERV 13	2"	(4) 16X20"	0.24 / 0.70	SEE NOTES

NOTES:
1. AHU'S WITH COIL CONNECTIONS ON SIDE OPPOSITE OF ACCESS DOORS.
2. MINIMUM 18" W. ACCESS DOORS.
3. SMOKE DETECTOR IN RETURN AIR DUCT PER THE REQUIREMENTS OF IMC 2012 SECTION 606.
4. VARIABLE FREQUENCY DRIVES.
5. 0-3" W.C. FILTER GAUGE.
6. PROVIDE WATER BUG SENSOR IN COIL DRAIN PAN TO DISABLE SUPPLY FAN ON BUILD-UP OF COOLING CONDENSATE.
7. AHU-2: SHIP ELECTRIC HEATING COIL LOOSE FOR FIELD INSTALLATION.
8. PROVIDE AHU'S WITH FOIL-FACED FIBERGLASS INSULATION OR CLOSED-CELL ELASTOMERIC INSULATION.

SOUND ATTENUATOR SCHEDULE

NAME	MANUFACTURER	MODEL	TYPE	DUCTED TO/FROM	SIZE	CFM	MAXIMUM FACE VELOCITY	MAXIMUM PD	DYNAMIC INSERTION LOSS DB								REMARKS
									63	125	250	500	1K	2K	4K	8K	
SA-1	PRICE	RHX120/WB	STRAIGHT	AHU-1 SA	60"W x 16"H x120"L	15,000	2,250	0.30	9	12	20	31	18	13	10	8	SEE NOTES
SA-2	PRICE	RM120/9B	STRAIGHT	AHU-1 RA	60"W x 24"H x 120"L	15,000	1,500	0.24	10	16	31	43	30	17	12	10	SEE NOTES
SA-3	PRICE	RHTX48/SG	STRAIGHT	AHU-2 SA	30"W x16"W x 48"	3,800	1,140	0.20	7	10	15	23	27	28	19	13	SEE NOTES
SA-4	PRICE	RH84/6C	STRAIGHT	DOAS-1 SA	48"W x 28"H x84"L	12,500	1,339	0.17	6	9	17	32	25	16	12	9	SEE NOTES
SA-5	PRICE	RH60/9A	STRAIGHT	DOAS-1 EA	60"W x14"W x 60"	7,000	1,200	0.04	3	5	11	17	11	8	6	5	SEE NOTES
SA-6	PRICE	RMX36/WB	STRAIGHT	AHU-1 SA	24"W(36") x 14"H x36"L	5,150	2,207	0.21	4	5	8	13	9	7	7	5	SEE NOTES

NOTES:
1. CONSTRUCTION: CASING: 22 GA GALVANIZED, PERFORATED LINER: 22 GA GALVANIZED, ACOUSTIC MEDIA: GLASS FIBER (6)
2. INLET CONNECTION: 2" SLIP, OUTLET CONNECTION: 2" SLIP

ARCHITECTURAL WALL HEATER SCHEDULE

UNIT NUMBER	ROOM SERVED	MANUFACTURER	MODEL TYPE	DIMENSIONS W" X H"	CFM	KW	EAT	MINIMUM LAT	CONTROL	VOLT	PHASE	DISCONNECT SWITCH	NOTES:
AWH-1	OUTSIDE DOORS, STAIRS AND VESTIBULES	QMARK	AWH 4404	15 x 20	210	3.0	55	95	2 STAGE	208	1	BY E.C.	SEE NOTES

NOTES:
1. INTEGRAL THERMOSTAT.
2. RECESSED MOUNTING FRAME.

GRILLE AND DIFFUSER SCHEDULE

TYPE	DESCRIPTION	SPECIAL NOTES & FINISHES
D	24" x 24" SQUARE PLAQUE DIFFUSER	ROUND NECK
E	EGG CRATE GRILLE	
F	SUPPLY GRILLE	
G	RETURN GRILLE	
H	EXHAUST GRILLE	OPPOSED BLADE DAMPER
HD	EXHAUST GRILLE W/ ABD	BASIS OF DESIGN - RUSKIN ABD-SEA
J	TRANSFER GRILLE	
L	LINEAR CEILING DIFFUSER	
M	LINEAR SLOT DIFFUSER	
N	LINEAR BAR SIDEWALL/SILL DIFFUSER	
X	1/2" x 1/2" MESH GRILLE WITH FRAME	GALVANIZED STEEL, SCREW THRU FRAME FACE

KITCHEN MAKE-UP AIR UNIT SCHEDULE

UNIT INFORMATION								ELECTRICAL DATA			SUPPLY FAN DATA				DIRECT FIRED HEATING DATA - GAS					FILTER DATA		REMARKS
UNIT NO.	AREA SERVED	INDOOR CONDITIONS COOL °F	INDOOR CONDITIONS RH %	INDOOR CONDITIONS HEAT °F	UNIT TYPE & ARRANGEMENT	MANUFACTURER & MODEL NO.	WEIGHT (LBS.)	HOODS SERVED	MCA	MOP	VOLT/PHASE	CFM	E.S.P. (IN. WG.)	RPM	BHP/HP	CFM	INPUT MBH	OUTPUT MBH	E.A.T. (°F) L.A.T. (°F)	CONTROL	TYPE MERV	THICKNESS (IN.)	
												MIN. O.A. CFM	T.S.P. (IN. WG.)	FLOW CONTROL	VOLT/PHASE	TEMP. RISE, °F							
MUA-1	11TH FLOOR KITCHEN	72	50	70	VERTICAL DIRECT FIRED	CAPTIVE AIRE EARTU1-1260-18-5T-MPU	1269	HD-1	32.8	40	208/3	2490	1.25	1225	2.9 / 5.0	2490	260.0	210.6	-10	MODULATING	TA	2	DOUBLE WALL INSULATED UNIT HOUSING, FACTORY MOUNTED VARIABLE FREQUENCY DRIVE, MICROPROCESSOR CONTROLS, FAN MOTORS WITH SHAFT GROUNDING RINGS, DUCT CONNECTIONS, HANGER BRACKETS, INLET DAMPER, RUBBER AND SHEAR ISOLATORS, AND DIRTY FILTER SWITCH .
												2490	2.2	VFD	208/3	70.0			68		8		

PUMP SCHEDULE

UNIT NUMBER	PUMP NAME	SYSTEM SERVED	MANUFACTURER	TYPE	MODEL NUMBER	GPM	FEET OF HEAD	ELECTRICAL DATA HP	ELECTRICAL DATA VOLT	ELECTRICAL DATA PHASE	WEIGHT (LBS)	REMARKS
CHWP-1	CHILLED WATER PUMP NO. 1	CHILLED WATER	BELL AND GOSSETT	BASE MTD.	1510e - 3 EB	345	100	20	208	3	550	100% REDUNDANT, REMOTE VFD
CHWP-2	CHILLED WATER PUMP NO. 2	CHILLED WATER	BELL AND GOSSETT	BASE MTD.	1510e - 3 EB	345	100	20	208	3	550	100% REDUNDANT, REMOTE VFD

(6)

EXHAUST FAN SCHEDULE

UNIT NUMBER	NAME	SERVES	TYPE	MANUFACTURER & MODEL	FAN DATA CFM	FAN DATA S.P.	FAN DATA MAXIMUM SONES	ELECTRICAL DATA HP	VOLT	PHASE	DISCONNECT SWITCH	MANUFACTURER ACCESSORIES EQUIPMENT RAILS	VIBRATION ISOLATORS	BIRD SCREEN	DAMPER TYPE	DAMPER SIZE (IN)	FAN CONTROLS	WEIGHT (LBS.)	REMARKS
					RPM	BHP													
KEF-1	KITCHEN EXHAUST FAN-1	KITCHEN CANOPY HOOD NO.1	ROOF CENTRIFUGAL	CAPTIVEAIRE DU180HFA	3,111	2.25	24.6	3	208	3	BY MFGR.	NA	YES	NO	NA	NO	LOCAL SWITCH	234	GREASE HOOD DUTY - UL / d.d. 702, GREASE PAN. W/ REMOTE VARIABLE FREQUENCY DRIVE, INTERLOCK FAN WITH MAU-1 CONTROLLER.
					1,524	-													
SPF-1	STAIR WELL PRESSURIZATION	STAIR WELL S2-11	INLINE MIXED FLOW	GREENHECK QEID-18-90-A50	7,500	1.5	26	5	208	3	BY MFGR.	18" HIGH	YES	NO	MOTORIZED	NO	VFD DPT	414	VARIABLE FREQUENCY DRIVE, INTERLOCK WITH DAMPER AT INTAKE LOUVER AND THE SPACE PRESSURE SENSOR.
					2,025	4.5													
DBF-1	DRYER EXHAUST AIR	LINT B-015A	INLINE CENTRIFUGAL	FANTECH FKD-10XL	1,000	0.75	N/A	529W	120	1	BY MFGR.	NO	YES	NO	MOTORIZED	10"	DRYER	25	INTERLOCK WITH DRYER. W/ SPEED CONTROL 48CY7Z, W/ MOUNTING BRACKETS
					2,850	-													
DBF-2	DRYER EXHAUST AIR	LINT B-015A	INLINE CENTRIFUGAL	FANTECH FKD-10XL	1,000	0.75	N/A	529W	120	1	BY MFGR.	NO	YES	NO	MOTORIZED	10"	DRYER	25	INTERLOCK WITH DRYER. W/ SPEED CONTROL 48CY7Z, W/ MOUNTING BRACKETS
					2,850	-													
FF-1	DOAS CHIMNEY FAN	MECH. ROOM DOAS-1	CENTRIFUGAL IMPELLER	ENERVEX RSV 250	1,200	-	16	0.2	120	1	DIV. 26	NO	YES	YES	NA	-	EBC24 CONTROLLER	60	VARIABLE FREQUENCY DRIVE , INTERLOCK FAN WITH EBC CONTROLLER AND DOAS-1 FURNACE
					1,600	-													
DSF-1	DRYER MAKEUP AIR	LINT B-015A	INLINE, DIRECT DRIVE BACKWARD INCLINED	CAPTIVEAIRE SIF100D-HE	2,200	0.538	20.4	1	208	3	BY MFGR.	YES	YES	NO	MOTORIZED	18"X18"	DRYER	241	INTERLOCK WITH DRYERS. SF 13 FILTER BOX WITH 2" MESH FILTERS, VAV PACKAGE W/ MANUFACTURER SUPPLIED VFD, HORIZONTAL OVERHEAD MOUNT BRACKETS
					2,115	-													

(6)

AIR DIRT SEPARATOR SCHEDULE

MARK	LOCATION	SYSTEM	SIZE	DESIGN FLOW (GPM)	INTEGRAL STRAINER REQUIRED	VOLUME (GAL)	DRY WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
ADS-1	PUMP ROOM SB-003	CHILLED WATER	5"	330	NO	20	325	SPIROTHERM VDNS500FA	1, 2
NOTES:									
1.	PROVIDE WITH ALL ACCESSORIES REQUIRED IN THE SPECIFICATIONS.								
2.	FLANGED PIPE CONNECTIONS.								

LOUVER SCHEDULE

SPECIFICATION SECTION 233750

MARK	LOCATION	TYPE	WIDTH (INCHES)	HEIGHT (INCHES)	DEPTH (INCHES)	FREE AREA (SQ. FT.)	PRESSURE DROP (IN. WG)	MAX. AIRFLOW (CFM)	MAX AIR VELOCITY (FPM)	BPWP (FT.MIN)	WEIGHT (LBS)	PLENUM BOX	MANUFACTURER WITH MODEL NUMBER	NOTES
L-1	LEVEL 1	DRAINABLE	90	125	6	51.8	0.03	23,900	462	1,250	307	YES	GREENHECK ESD-635	1
L-2	LEVEL 1	DRAINABLE	24	156	6	16.2	0.08	12,250	757	1,250	101	YES	GREENHECK ESD-635	1
L-3	LEVEL 11	DRAINABLE	32	72	6	9.7	0.09	7,500	775	1,250	62	YES	GREENHECK ESD-635	1
L-4	LEVEL 12	DRAINABLE	48	36	6	6.8	0.16	7,500	1,108	1,250	47	NO	GREENHECK ESD-635	1
NOTES:														
1.	LOUVER BY DIVISION 23													

KING COLE BUILDING HOTEL

1 N. Meridian
Indianapolis, IN 46204

Owner
Indy PropCo LLC
300 North LaSalle Street, Suite 4900
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Architect
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ARSEE ENGINEERS, INC.
9715 Kincaid Drive, Suite 100
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Structural Engineer Interior
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650 E. Carmel Dr., Suite 150
Carmel, IN 46032
(317) 574-9409

Mechanical / Electrical Engineer
Circle Design Group
9229 Delegates Row Suite 150
Indianapolis, IN 46240
317-781-6200

Civil Engineer
CEC
530 E. Ohio Street, Suite G
Indianapolis, IN 46204
(317) 655-7777

SEAL | DATE

DAVID M. BARRIENTOS REGISTERED No. PE10910218 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	ASI-02	11/11/2022
4	DD REISSUE	12/09/2024
5	50% CD	01/24/2025
6	100% CD	02/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
HVAC SCHEDULES

SHEET NUMBER
H-501

Autodesk Docs://19048-King Cole Building/King Cole Building Hotel-MECH-V23.rvt
2/28/2025 3:04:32 PM

FAN COIL UNIT SCHEDULE (ELECTRIC HEAT)

SPECIFICATION SECTION 238200

MARK	LOCATION	CONFIGURATION	MANUFACTURER WITH MODEL NUMBER	SUPPLY FAN DATA							ELECTRIC HEATING COIL SELECTION DATA									HYDRONIC COOLING COIL SELECTION DATA												FILTER DATA		UNIT WEIGHT (LBS)	NOTES
				SUPPLY CFM	ESP	RPM	DRIVE TYPE	HP	VOLTS	PH	KW	EAT	LAT	CONTROL STAGES	VOLT	PHASE	MCA	MOP	DISCONNECT SWITCH	SENS MBH	EAT		LAT		MIN ROWS	FINS/INCH	EWT	LWT	GPM	MAX WPD				
																					DB	WB	DB	WB							TYPE	EFF		
FCU SB-01	PUMP ROOM SB-003	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	**BY UNIT MANUFACTURER**	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU SB-02	LAUNDRY SB-004	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU SB-03	DELETED ADD #4																																
FCU SB-04	FP PUMP ROOM SB-003A	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	**BY UNIT MANUFACTURER**	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU B-01	ELECTRIC 011	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU B-02	MDF 014	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	-	-	-	-	-	-	-	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 2-01	GUESTROOM 201	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 2-02	GUESTROOM 202	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 2-03	GUESTROOM 203	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 2-04	GUESTROOM 204	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 2-05	GUESTROOM 205	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 2-06	GUESTROOM 206	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 2-07	GUESTROOM 207	CONCEALED	TRANE FCCB-10	660	0.3	1181	DIRECT	0.13/0.22	208	1	4.4	70.0	91.6	SCR	208	1	31.1	35	BY UNIT MANUFACTURER	13.51	72.0	61.5	53.2	52.7	4	10	45	59	2.5	5.0	1" TA	30	200.0	1-5
FCU 2-08	GUESTROOM 208	CONCEALED	TRANE FCCB-10	660	0.3	1181	DIRECT	0.13/0.22	208	1	4.4	70.0	91.6	SCR	208	1	31.1	35	BY UNIT MANUFACTURER	13.51	72.0	61.5	53.2	52.7	4	10	45	59	2.5	5.0	1" TA	30	200.0	1-5
FCU 2-09	GUESTROOM 209	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 2-10	GUESTROOM 210	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 2-11	GUESTROOM 211	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 2-12	GUESTROOM 212	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 2-13	BOH 213	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 2-14	ELECTRIC 214	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 2-15	HALL 200	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 3-01	GUESTROOM 301	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 3-02	GUESTROOM 302	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 3-03	GUESTROOM 303	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 3-04	GUESTROOM 304	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 3-05	GUESTROOM 305	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 3-06	GUESTROOM 306	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 3-07	GUESTROOM 307	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 3-08	GUESTROOM 308	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 3-09	GUESTROOM 309	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 3-10	GUESTROOM 310	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 3-11	GUESTROOM 311	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 3-12	GUESTROOM 312	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 3-13	GUESTROOM 313	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 3-14	HALL 300	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-01	GUESTROOM 401	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 4-02	GUESTROOM 402	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 4-03	GUESTROOM 403	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-04	GUESTROOM 404	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-05	GUESTROOM 405	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 4-06	GUESTROOM 406	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-07	GUESTROOM 407	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-08	GUESTROOM 408	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 4-09	GUESTROOM 409	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-10	GUESTROOM 410	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-11	GUESTROOM 411	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 4-12	GUESTROOM 412	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 4-13	GUESTROOM 413	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 4-14	IDF 414	MODEL D	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 4-15	HALL 400	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 5-01	GUESTROOM 501	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 5-02	GUESTROOM 502	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 5-03	GUESTROOM 503	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 5-04	GUESTROOM 504	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 5-05	GUESTROOM 505	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 5-06	GUESTROOM 506	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 5-07	GUESTROOM 507	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 5-08	GUESTROOM 508	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 5-09	GUESTROOM 509	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 5-10	GUESTROOM 510	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 5-11	GUESTROOM 511	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 5-12	GUESTROOM 512	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 5-13	GUESTROOM 513	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 5-14	ELECTRIC 515	MODEL D	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 5-15	HALL 500	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 6-01	GUESTROOM 601	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 6-02	GUESTROOM 602	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 6-03	GUESTROOM 603	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 6-04	GUESTROOM 604	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 6-05	GUESTROOM 605	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 6-06	GUESTROOM 606	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 6-07	GUESTROOM 607	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 6-08	GUESTROOM 608	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 6-09	GUESTROOM 609	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 6-10	GUESTROOM 610	CONCEALED	TRANE FCCB-04	230	0

FAN COIL UNIT SCHEDULE (ELECTRIC HEAT)

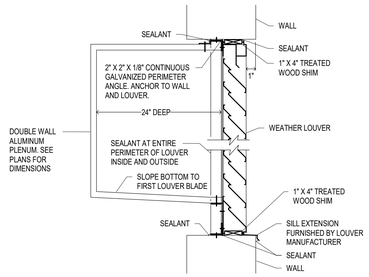
SPECIFICATION SECTION 238200

MARK	LOCATION	CONFIGURATION	MANUFACTURER WITH MODEL NUMBER	SUPPLY FAN DATA							ELECTRIC HEATING COIL SELECTION DATA									HYDRONIC COOLING COIL SELECTION DATA												FILTER DATA		UNIT WEIGHT (LBS)	NOTES
				SUPPLY CFM	ESP	RPM	DRIVE TYPE	HP	VOLTS	PH	KW	EAT	LAT	CONTROL STAGES	VOLT	PHASE	MCA	MOP	DISCONNECT SWITCH	SENS MBH	EAT DB	EAT WB	LAT DB	LAT WB	MIN ROWS	FINS/INCH	EWT	LWT	GPM	MAX WPD	TYPE	EFF		
FCU 7-01	GUESTROOM 701	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	0.7	5.0	1" TA	30	139.0	1-5
FCU 7-02	GUESTROOM 702	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 7-03	GUESTROOM 703	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 7-04	GUESTROOM 704	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 7-05	GUESTROOM 705	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 7-06	GUESTROOM 706	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 7-07	GUESTROOM 707	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 7-08	GUESTROOM 708	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 7-09	GUESTROOM 709	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 7-10	GUESTROOM 710	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 7-11	GUESTROOM 711	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 7-12	GUESTROOM 712	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 7-13	GUESTROOM 713	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 7-14	IT 715	MODEL D	TRANE FCDB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 7-15	HALL 700	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 8-01	GUESTROOM 801	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 8-02	GUESTROOM 802	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 8-03	GUESTROOM 803	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 8-04	GUESTROOM 804	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 8-05	GUESTROOM 805	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 8-06	GUESTROOM 806	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 8-07	GUESTROOM 807	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 8-08	GUESTROOM 808	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 8-09	GUESTROOM 809	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 8-10	GUESTROOM 810	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 8-11	GUESTROOM 811	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 8-12	GUESTROOM 812	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 8-13	GUESTROOM 813	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 8-14	ELECTRIC 815	MODEL D	TRANE FCDB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 8-15	HALL 800	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 9-01	GUESTROOM 901	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 9-02	GUESTROOM 902	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 9-03	GUESTROOM 903	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 9-04	GUESTROOM 904	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 9-05	GUESTROOM 905	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 9-06	GUESTROOM 906	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 9-07	GUESTROOM 907	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 9-08	GUESTROOM 908	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 9-09	GUESTROOM 909	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 9-10	GUESTROOM 910	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 9-11	GUESTROOM 911	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 9-12	GUESTROOM 912	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 9-13	GUESTROOM 913	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 9-14	STORAGE 915	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 9-15	HALL 900	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 10-01	GUESTROOM 1001	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 10-02	GUESTROOM 1002	CONCEALED	TRANE FCCB-12	880	0.3	1305	DIRECT	0.13/0.22	208	1	4.4	70.0	86.2	SCR	208	1	31.08	35	BY UNIT MANUFACTURER	17.36	72.0	61.5	53.8	53.3	4	10	45	59	3.0	5.0	1" TA	30	200.0	1-5
FCU 10-03	GUESTROOM 1003	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 10-04	GUESTROOM 1004	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 10-05	GUESTROOM 1005	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 10-06	GUESTROOM 1006	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 10-07	GUESTROOM 1007	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 10-08	GUESTROOM 1008	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 10-09	GUESTROOM 1009	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 10-10	GUESTROOM 1010	CONCEALED	TRANE FCCB-04	230	0.3	1169	DIRECT	0.13	208	1	1.5	70.0	90.6	1	208	1	10.8	15	BY UNIT MANUFACTURER	4.01	72.0	61.5	55.9	55.3	4	10	45	59	0.7	5.0	1" TA	30	109.0	1-5
FCU 10-11	GUESTROOM 1011	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 10-12	GUESTROOM 1012	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 10-13	GUESTROOM 1013	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 10-14	IT 1015	MODEL D	TRANE FCDB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 10-15	HALL 1015	CONCEALED	TRANE FCCB-03	180	0.3	1150	DIRECT	0.13	208	1	1.1	70.0	89.8	1	208	1	8.52	15	BY UNIT MANUFACTURER	3.20	72.0	61.5	55.6	55.1	4	10	45	59	0.5	5.0	1" TA	30	81.0	1-5
FCU 11-01A	KITCHEN 1104	CONCEALED	JCI FNP12	1,000	0.3	929	DIRECT	0.33/0.33	208	1	7.0	70.0	92.1	SCR	208	1	49.06	50	BY UNIT MANUFACTURER	20.4	72.0	61.5	53.3	52.6	6	12	45	59	3.8	5.5	1" TA	30	200.0	1-5
FCU 11-01B	KITCHEN 1104	CONCEALED	JCI FNP12	1,000	0.3	929	DIRECT	0.33/0.33	208	1	7.0	70.0	92.1	SCR	208	1	49.06	50	BY UNIT MANUFACTURER	20.4	72.0	61.5	53.3	52.6	6	12	45	59	3.8	5.5	1" TA	30	200.0	1-5
FCU 11-02	MEP 1105	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 11-03	FLEX 1106	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 11-04	TOILET 1107	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 11-05A	MEETING 1108	CONCEALED	TRANE FCCB-10	660	0.3	1181	DIRECT	0.13/0.22	208	1	4.4	70.0	91.6	SCR	208	1	31.1	35	BY UNIT MANUFACTURER	13.51	72.0	61.5	53.2	52.7	4	10	45	59	2.5	5.0	1" TA	30	200.0	1-5
FCU 11-05B	MEETING 1108	CONCEALED	TRANE FCCB-10	660	0.3	1181	DIRECT	0.13/0.22	208	1	4.4	70.0	91.6	SCR	208	1	31.1	35	BY UNIT MANUFACTURER	13.51	72.0	61.5	53.2	52.7	4	10	45	59	2.5	5.0	1" TA	30	200.0	1-5
FCU 11-06	HALL 1100	CONCEALED	TRANE FCCB-06	400	0.3	1176	DIRECT	0.22	208	1	2.2	70.0	87.8	1	208	1	15.7	20	BY UNIT MANUFACTURER	6.29	72.0	61.5	56.3	55.9	4	10	45	59	1.0	5.0	1" TA	30	139.0	1-5
FCU 11-07	IDF 1108A	CONCEALED	TRANE FCCB-08	500	0.3	1193	DIRECT	0.22	208	1	3.0	70.0	89.0	1	208	1	20.3	25	BY UNIT MANUFACTURER	7.52	72.0	61.5	56.9	56.2	4	10	45	59	1.2	5.0	1" TA	30	147.0	1-5
FCU 12-01	ELEV. MECH. MEZZ. 1103I	CONCEALED	TRANE BCHD-024	675	0.3	1068	DIRECT	0.5	208	1	5.0	70.0	94.5	SCR	208	1	35.37	40	BY UNIT MANUFACTURER	14.85	75.0	62.0	54.9	54.1	6	10	45	59	2.4	5.0	1" TA	30	197.0	1-5
FCU 13-01	ELEV. MECH. MEZZ. 1203I	CONCEALED	TRANE BCHD-024	675	0.3	1068	DIRECT	0.5	208	1	5.0	70.0	94.5	SCR	208	1	35.37	40	BY UNIT MANUFACTURER	14.85	75.0	62.0	54.9	54.1	6	10	45	59	2.4	5.0	1" TA	30	197.0	1-5

NOTES:
1. ECM MOTORS, 2. 1" FILTER @ RA GRILLE, 3. VALVE AND HOSE KITS, 4. PROVIDE CONDENSATE LIFT PUMP WHERE REQUIRED, 5. PROVIDE FAN COIL UNITS WITH FOIL-FACED FIBERGLASS INSULATION OR CLOSED-CELL ELASTOMERIC INSULATION.

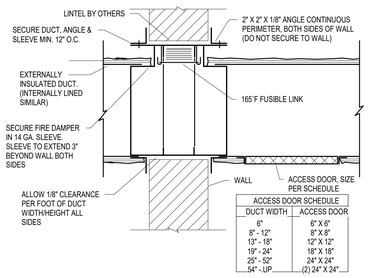
ELECTRIC REHEAT TERMINAL UNIT SCHEDULE

MARK	LOCATION	AIRFLOW DATA			UNIT INLET SIZE	DESIGN INLET PRESS IN. WG	DOWN STREAM SP IN. WG	MAX DIS NC	MAX RAD NC	ELECTRIC REHEAT COIL DATA										WEIGHT (LBS)	MANUFACTURER WITH MODEL NUMBER	NOTES
		DESIGN CFM	MIN CFM	HEAT CFM						MIN KW	MIN. MBH	EAT	LAT	STAGES	COIL AMPS	MCA	MOCP	VOLTS	PH			
VAV-B-1	ENGINEERING OFFICE 009	150	115	115	6	1.0"	0.25"	21	-	1.5	5.1	55



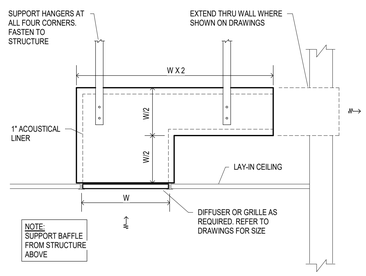
16 WEATHER LOUVER INSTALLATION DETAIL

NOT TO SCALE



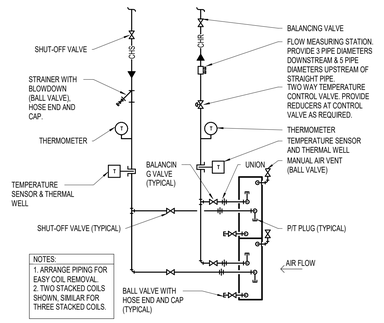
12 HORIZONTAL FIRE DAMPER TYPE "B" AND "C"

NOT TO SCALE



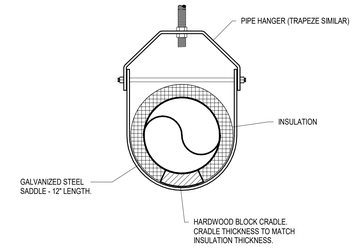
9 RETURN AIR SOUND BAFFLE

NOT TO SCALE



5 COOLING COIL PIPING 2-WAY STACKED

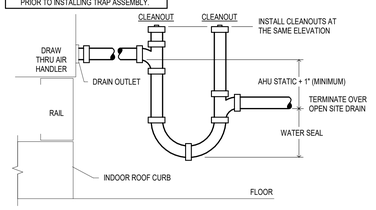
NOT TO SCALE



1 INSULATED COPPER PIPE SUPPORT

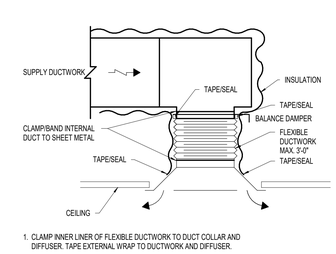
NOT TO SCALE

NOTES:
1. SEE PLANS FOR DRAINLINE SIZE.
2. ALL FITTINGS OF DRAINLINE PATTERN.
3. VERIFY STATIC PRESSURE ATTHE DRAIN PAN WITH THE BALANCING CONTRACTOR PRIOR TO INSTALLING TRAP ASSEMBLY.



17 CONDENSATE TRAP ASSEMBLY DETAIL

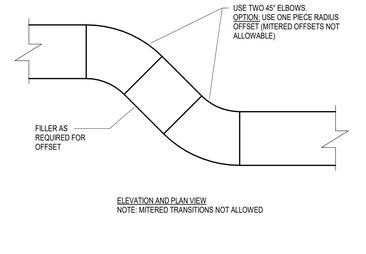
NOT TO SCALE



1. CLAMP INNER LINER OF FLEXIBLE DUCTWORK TO DUCT COLLAR AND DIFFUSER. TAPE EXTERNAL WRAP TO DUCTWORK AND DIFFUSER.

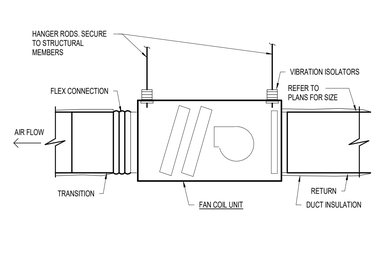
13 DIFFUSER DETAIL - RECT TO RND

NOT TO SCALE



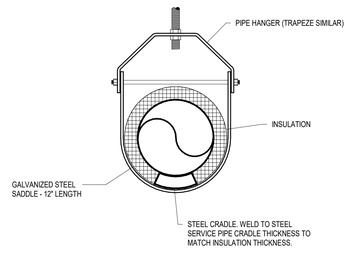
10 TYPICAL DUCT OFFSET CONFIGURATION

NOT TO SCALE



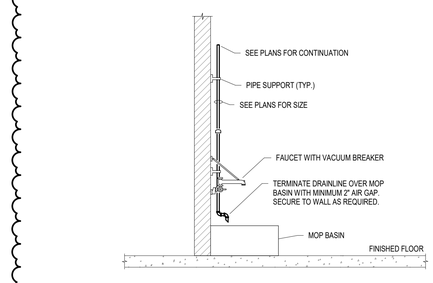
6 FAN COIL UNIT INSTALLATION

NOT TO SCALE



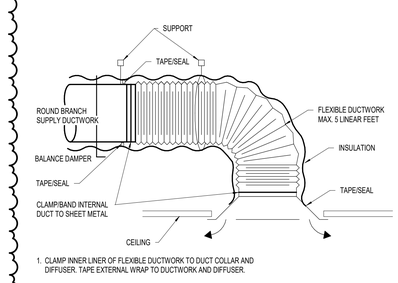
2 INSULATED STEEL PIPE SUPPORT

NOT TO SCALE



18 DRAINLINE TERMINATION PIPING DETAIL

NOT TO SCALE

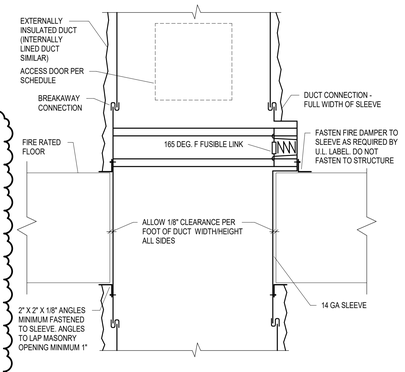


1. CLAMP INNER LINER OF FLEXIBLE DUCTWORK TO DUCT COLLAR AND DIFFUSER. TAPE EXTERNAL WRAP TO DUCTWORK AND DIFFUSER.

14 DIFFUSER DETAIL - RND TO RND

NOT TO SCALE

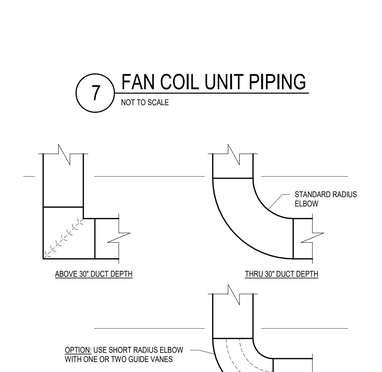
ACCESS DOOR SCHEDULE	
DUCT WIDTH	ACCESS DOOR
6"	6" X 6"
8" - 12"	8" X 8"
13" - 18"	12" X 12"
19" - 24"	18" X 18"
25" - 52"	24" X 24"
54" - UP	(2) 24" X 24"



NOTE: HINGE OR DOUBLE CATCH ACCESS DOOR SIZED AND LOCATED TO PERMIT REPLACEMENT OF FUSIBLE LINK AND LABELED "FIRE DAMEPR ACCESS"

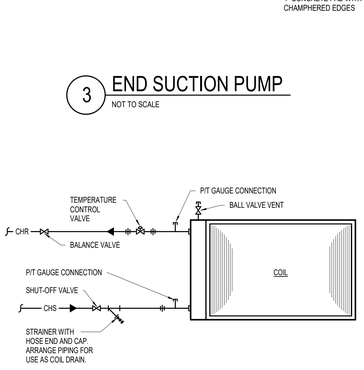
11 FIRE DAMPER INSTALLATION

NOT TO SCALE



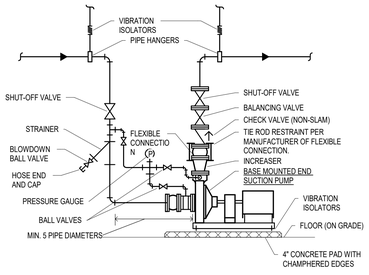
7 FAN COIL UNIT PIPING

NOT TO SCALE



8 DUCT RISER BOTTOM CONFIGURATION

NOT TO SCALE



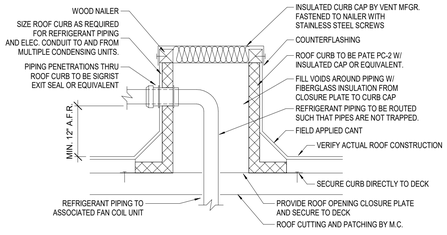
3 END SUCTION PUMP

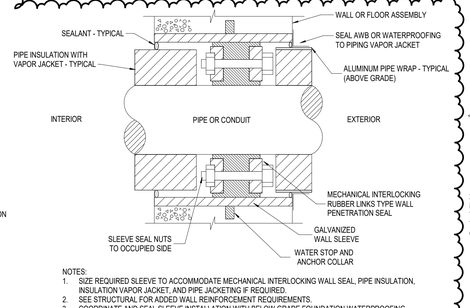
NOT TO SCALE

NOTE: VERIFY TEMPERATURE CONTROL VALVE CONNECTION SIZE WITH TEMPERATURE CONTROL CONTRACTOR.

19 TYPICAL ROOFTOP PIPING INSTALLATION DETAIL

NOT TO SCALE





NOTES:
1. SIZE REQUIRED SLEEVE TO ACCOMMODATE MECHANICAL INTERLOCKING WALL SEAL, PIPE INSULATION, INSULATION VAPOR JACKET, AND PIPE JACKETING IF REQUIRED.
2. SEE STRUCTURAL FOR ADDED WALL REINFORCEMENT REQUIREMENTS.
3. COORDINATE AND SEAL SLEEVE INSTALLATION WITH BELOW GRADE FOUNDATION WATERPROOFING OR ABOVE GRADE AIR / WATER BARRIER REQUIREMENTS. SEE STRUCTURAL AND ARCHITECTURAL FOR ADDITIONAL REQUIREMENTS.
4. SIMILAR FOR METAL OR WOOD STUD WALLS. SLEEVE TO BE SUPPORTED IN FRAMING.
5. SIMILAR FOR COMPOSITE WALL ASSEMBLIES, SLEEVE TO EXTEND THROUGH TOTAL ASSEMBLY.
6. SIMILAR FOR SLEEVES THROUGH CONCRETE FLOORS. SLEEVES TO EXTEND 2" ABOVE FINISHED FLOORS.

15 EXTERIOR WALL PIPE/CONDUIT PENETRATION

NOT TO SCALE

4 COOLING COIL PIPING 2-WAY

NOT TO SCALE

KING COLE BUILDING HOTEL

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SHEET NUMBER
H-601

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ABBREVIATIONS AND TERMS

&	AND	EMT	ELECTRICAL METALLIC TUBING	OCP	OVERCURRENT PROTECTION
Ø	PHASE	ETR	EXISTING TO REMAIN	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
°F	DEGREES FAHRENHEIT	EWC	ELECTRIC WATER COOLER	OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
A/C	AIR CONDITIONING	EX	EXISTING	OL	OVERLOAD
A	AMPERES	FCU	FAN COIL UNIT	OZ	OUNCE
ACCU	AIR COOLED CONDENSING UNIT	FLR	FLOOR	P	POLE, PHASE, PARALLEL
AF	AMPERE FUSE	FP	FIRE PUMP	PE	PNEUMATIC ELECTRIC
AFC	ABOVE FINISHED COUNTER	FPVAV	FAN POWERED VAV UNIT	PF	POWER FACTOR
AFF	ABOVE FINISHED FLOOR	FT	FOOT, FEET	PH	PHASE
AFG	ABOVE FINISHED GRADE	FURN	FURNACE	PTAC	PACKAGED TERMINAL AIR CONDITIONER
AHU	AIR HANDLING UNIT	G	GROUND, GALLONS	PVC	POLYVINYL CHLORIDE CONDUIT/PIPE
AIC	AMPERES INTERRUPTING CAPACITY	GC	GENERAL CONTRACTOR	RCPT	RECEPTACLE
AL	ALUMINUM	GFI	GROUND FAULT INTERRUPTING	REV	REVOLUTIONS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	GFCI	GROUND FAULT CIRCUIT	RGS	RIGID GALVANIZED CONDUIT
ARCH	ARCHITECT	GRD	GROUND	RM	ROOM
ATS	AUTOMATIC TRANSFER SWITCH	GND	GROUND	RPM	REVOLUTIONS PER MINUTE
AVG	AVERAGE	HHWP	HEATING HOT WATER PUMP	RPS	REVOLUTIONS PER SECOND
BAS	BUILDING AUTOMATION SYSTEM	HOA	HAND-OFF-AUTOMATIC	RTU	ROOF TOP UNIT
B/I	BYPASS ISOLATION	HORIZ	HORIZONTAL	SF	SQUARE FOOT
BE	BOTTOM ELEVATION	HP	HORSEPOWER	SPEC	SPECIFICATION
BLDG	BUILDING	HR	HOUR(S)	SQ	SQUARE
BMS	BUILDING MANAGEMENT SYSTEM	HRTU	HEATING ONLY ROOFTOP UNIT	ST	SHUNT TRIP
BSMT	BASEMENT	Hz	HERTZ	STD	STANDARD
C	CONDUIT	IAC	INSTRUMENTATIONS AND CONTROLS	SW	SWITCH
CB	CIRCUIT BREAKER	ID	INSIDE DIAMETER	TBD	TO BE DETERMINED
CBA	COLOR BY ARCHITECT	IN	INCH, INCHES	TBI	TO BE INSTALLED
CCW	COUNTERCLOCKWISE	INT	INTERIOR	TBR	TO BE REMOVED
CH	CHILLER	JP	JOCKEY PUMP	TC	TEMPERATURE CONTROLS
CHWP	CHILLED WATER PUMP	K	KELVIN, KEYED	TCC	TEMPERATURE CONTROLS CONTRACTOR
CLG	CEILING	kW	KILOWATT	TR	TAMPER RESISTANT
CMT	CONDUIT EMPTY	KVA	KILOVOLT AMPS	TEMP	TEMPERATURE
COMPR	COMPRESSOR	LBS	POUNDS	TF	TRANSFER FAN
COND	CONDENSER	LSI, LSIG	TRIP TYPE - LONG, SHORT, INSTANTANEOUS, GROUND FAULT	TRANS	TRANSITION
CONV	CONVECTOR	LTG	LIGHTING	TYP	TYPICAL
CT	COOLING TOWER	MAX	MAXIMUM	UH	UNIT HEATER
CU	CONDENSING UNIT, COPPER	MC	MECHANICAL CONTRACTOR	UON	UNLESS OTHERWISE NOTED
CUH	CABINET UNIT HEATER	MCA	MINIMUM CIRCUIT AMPS	UV	UNIT VENTILATOR
CUV	CLASSROOM UNIT VENTILATOR	MCC	MOTOR CONTROL CENTER	V	VOLTS
CW	CLOCKWISE	MFR	MANUFACTURER	VAV	VARIABLE AIR VOLUME
CWP	CONDENSER WATER PUMP	MIN	MINIMUM	VB	VACUUM BREAKER
D	DEDICATED CIRCUIT	MISC	MISCELLANEOUS	VERT	VERTICAL
DC	DIRECT CURRENT	MOP	MAXIMUM OVERCURRENT PROTECTION	VF	VENTILATION FAN
DS	DISCONNECT SWITCH	MTD	MOUNTED	VFD	VARIABLE FREQUENCY DRIVE
DWH	DOMESTIC WATER HEATER	MV	MEDIUM VOLTAGE	W	WIRE, WATT
DWG	DRAWING	NA	NOT APPLICABLE	WP	WEATHERPROOF
EA	EACH	NEC	NATIONAL ELECTRIC CODE	W/	WITH
EC	ELECTRICAL CONTRACTOR	NIC	NOT IN CONTRACT	W/O	WITHOUT
EF	EXHAUST FAN	NL	NIGHT LIGHT	WSHP	WATER SOURCE HEAT PUMP
EFF	EFFICIENCY	NOM	NOMINAL		
EL	ELEVATION	NTS	NOT TO SCALE		

ELECTRICAL EQUIPMENT DESIGNATION METHOD

H D U A

POWER
(blank) - NORMAL
S - STANDBY
E - LIFE SAFETY

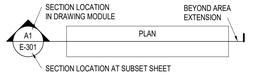
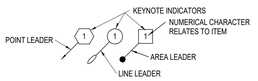
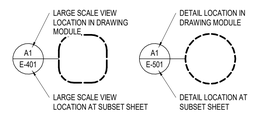
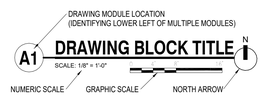
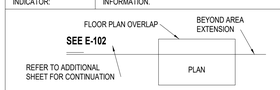
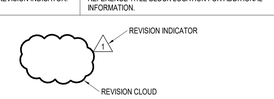
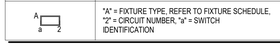
VOLTAGE
H - 480/277V OR 480V
L - 208/120V
(blank) - TRANSFORMER

EQUIPMENT TYPE
P - BRANCH CIRCUIT PANELBOARD
D - DISTRIBUTION BOARD OR PANEL
T - TRANSFORMER
L - LIGHTING DIMMER PANEL
M - MOTOR CONTROL CENTER
R - LIGHTING RELAY PANEL

INDEX
A,B,C,D

FLOOR LEVEL DESIGNATION
U - UTILITY / LOWER LEVEL
1 - FIRST LEVEL
2 - SECOND LEVEL
3 - THIRD LEVEL
R - LOWER / UPPER ROOF LEVEL

REFERENCE SYMBOLS

SECTION INDICATOR:	REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION.	KEYNOTE INDICATOR:	REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.
			
DETAIL INDICATOR:	REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.	DRAWING BLOCK TITLE INDICATOR:	REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.
			
MATCH LINE INDICATOR:	REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.	REVISION INDICATOR:	REFERENCE TITLE BLOCK LOCATION FOR ADDITIONAL INFORMATION.
			
LIGHTING INDICATOR:	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.		
	"A" = FIXTURE TYPE, REFER TO FIXTURE SCHEDULE, "2" = CIRCUIT NUMBER, "a" = SWITCH IDENTIFICATION		

ELECTRICAL SYMBOL SCHEDULE

MOUNTING CEIL	MOUNTING WALL	MOUNTING FL.	DESCRIPTION
			2'x4' FIXTURE
			RECESSED DOWNLIGHT
			H.I.D. FIXTURE
			SUSPENDED FIXTURE
			RECESSED FIXTURE - DIRECTIONAL
			LIGHT FIXTURE ON EMERGENCY CIRCUIT
			SURFACE OR PENDANT MOUNTED FIXTURE
			DOUBLE OR SINGLE HEAD SPOT LIGHT
			WALL MOUNTED FIXTURE
			LUMINAIRE STRIP TYPE FIXTURE
			IN-GROUND OR FLOOR MOUNTED FIXTURE
			POLE MOUNTED SITE LIGHTING FIXTURE
			SINGLE LUMINAIRE SITE LIGHTING FIXTURE
			TWIN LUMINAIRE SITE LIGHTING FIXTURE
			BOLLARD TYPE SITE LIGHTING FIXTURE
			EXIT LIGHT, LINE INDICATES FACE
			ARROW INDICATES FACE WITH ARROW
			BATTERY PACK LIGHTS
			TRACK LIGHT
			SINGLE RECEPTACLE
			SINGLE RECEPTACLE (+44" AFF)
			DUPLEX OUTLET
			DUPLEX OUTLET - GFI PROTECTED
			DUPLEX OUTLET (TOP HALF SWITCHED)
			DUPLEX RECEPTACLE ON EMERGENCY/STANDBY CIRCUIT
			QUAD RECEPTACLE ON EMERGENCY/STANDBY CIRCUIT
			RECEPTACLE (+44" AFF)
			QUADRUPLEX OUTLET
			QUADRUPLEX OUTLET (+44" AFF)
			SAFETY TYPE OUTLET
			DUPLEX OUTLET (EMERGENCY)
			WEATHERPROOF OUTLET (GFI)
			WEATHERPROOF OUTLET (GFI) (+44" AFF)
			208/240V OUTLET (SIZE AS NOTED)
			208/240V OUTLET (SIZE AS NOTED)
			EXPLOSION PROOF OUTLET
			SPECIAL OUTLET (AS NOTED)
			FLUSH MOUNT FLOOR BOX, ADJUSTABLE, WITH BOTH POWER AND VOICE/DATA RECEPTACLES
			JUNCTION BOX
			MULTI-OUTLET ASSEMBLY
			MULTI-OUTLET ASSEMBLY
			ABOVE COUNTER VOICE/DATA OUTLET (+44" AFF)
			VOICE/DATA OUTLET
			PUBLIC TELEPHONE OUTLET (VOICE ONLY) +48"
			DATA OUTLET (DATA ONLY)
			CLOCK OUTLET
			SOUND SYSTEM AMPLIFIER
			CAMERA
			VOLUME CONTROL
			SPEAKER
			SPEAKER (HORN TYPE)
			T.V. CABLE ANTENNA
			MASTER ANTENNA SYSTEM OUTLET (MATV)
			INTERCOM STATION
			INTERCOM MASTER STATION
			MICROPHONE OUTLET
			EMERGENCY PANIC BUTTON
			EQUIPMENT CABINET
			EQUIPMENT RACK-WALL MOUNTED
			EQUIPMENT RACK-FREE STANDING
			TERMINAL CABINET WITH 3/4" PLYWOOD BACKING
			PLYWOOD BACKBOARD
			CCTV COAXIAL CABLE OUTLET AND POWER OUTLET
			CCTV MONITOR OUTLET
			INTERCOM UNIT - FLUSH MOUNT
			MASTER INTERCOM AND DIRECTORY UNIT
			MOTION DETECTOR
			SECURITY DOOR ALARM MAGNETIC LOCK
			SECURITY CARD READER, "WP" INDICATES WEATHER-PROOF
			SECURITY CONTROL PANEL
			SECURITY DOOR CONTACTS
			SECURITY EXIT PUSH BUTTON
			SECURITY KEYPAD
			TOGGLE DISCONNECT SWITCH
			THERMAL MOTOR SWITCH WITH HANDLE GUARD AND PADLOCK CAPABILITY, "P"-INDICATES PILOT LIGHT

UPPERCASE LETTER IN QUOTES - TYPE
LOWER CASE LETTER - SWITCHES

MOUNTING CEIL	MOUNTING WALL	MOUNTING FL.	DESCRIPTION
	FACP		FIRE ALARM CONTROL CABINET
	RA		FIRE ALARM ANNUNCIATOR (REMOTE)
	RAG		FIRE ALARM ANNUNCIATOR (REMOTE AND GRAPHIC)
	NAC		NOTIFICATION APPLIANCE CABINET
	F		FIRE ALARM PULL STATION
			FIRE ALARM HEAT DETECTOR (RATE OF RISE)
			FIRE ALARM SMOKE DETECTOR (PHOTO-ELECTRIC)
			FIRE ALARM SMOKE DETECTOR (PHOTO-ELECTRIC WITH DUCT-PROBE)
			FIRE ALARM SMOKE DETECTOR (2 AUX. CONTACTS)
			FLAME DETECTOR
			FIRE ALARM TAMPER SWITCH
			FIRE ALARM FLOW SWITCH
	F		FIRE FIGHTERS TELEPHONE JACK
	DH		FIRE ALARM MAGNETIC DOOR HOLDER
	F		FIRE ALARM BELL/STROBE COMBINATION
	B		FIRE ALARM STROBE
	S		FIRE ALARM SPEAKER
	C		FIRE ALARM CHIME
			AREA TYPE SMOKE DETECTOR USED AT DUCT WORK OPENING
			ELEVATOR RECALL WITH AUXILIARY CONTACTS
			SELF CONTAINED SMOKE DETECTOR-SINGLE STATION TYPE
			BEAM SMOKE DETECTOR, "R"-INDICATES RECEIVER
			BEAM SMOKE DETECTOR, "S" INDICATES SENDING UNIT
			CARBON MONOXIDE DETECTOR `LINE VOLTAGE WITH BATTERY BACKUP
			HYDROGEN DETECTOR
			MOTOR OPERATED FIRE/SMOKE DUCT DAMPER
	M		FIRE ALARM MASTER BOX
			FIRE FIGHTER'S PHONE
	DK		DRILL KEY SWITCH
	K		KEY REPOSITORY (KNOX BOX)
R			FIRE ALARM INDICATING LAMP (REMOTE)
	P		FIRE ALARM EMERGENCY TELEPHONE
			FIRE ALARM SPEAKER/STROBE COMBINATION
	H		FIRE ALARM HORN/STROBE COMBINATION
	H		FIRE ALARM HORN
	RA		RESCUE ASSISTANCE STATION
	CR		CONTROL RELAY
	RTS		REMOTE STATION FOR DUCT DETECTOR USED AT DUCT WORK OPENING
	IAM		INDIVIDUALLY ADDRESSABLE MODULE- MONITOR (PROVIDES ADDRESS FOR CONTACT)
	IZAM		INDIVIDUALLY ADDRESSABLE MODULE- RELAY (PROVIDES CONTACT CLOSURE)
	CON		CONTACTOR
			CAPACITOR
	PS		LOW PRESSURE SWITCH, BY DIVISION 15
	PIV		POST INDICATOR VALVE, BY DIVISION 15
			TRANSFER SWITCH
		P	MANUAL STARTER (P - PILOT LIGHT)
			MAGNETIC MOTOR STARTER
		J	COMBINATION MAGNETIC MOTOR STARTER & DISCONNECT
			PUSHBUTTON STATION AS NOTED
	CB		CIRCUIT BREAKER IN ENCLOSURE
		J	DISCONNECT SWITCH (NON-FUSED)
		J	DISCONNECT SWITCH (FUSED)
			SWITCH - SINGLE POLE
		2	SWITCH - 2 POLE
		3	SWITCH - 3 WAY
		4	SWITCH - 4 WAY
		P	SWITCH WITH PILOT LIGHT (ANY TYPE SW.)
		WP	SWITCH - WEATHERPROOF
		MC	MOMENTARY CONTACT SWITCH
		T	MECHANICAL TIMER SWITCH
		K	KEYED SWITCH
		H	HORSEPOWER RATED MANUAL MOTOR STARTER TOGGLE SWITCH W/ THERMAL OVERLOAD PROTECTION
		OS	SWITCH - WALL OCCUPANCY/VACANCY SENSOR
	D		DIMMER SWITCH. RATED 1000W, UNLESS OTHERWISE INDICATED. "LV" = LOW VOLTAGE "FL" = FLUORESCENT
	B		DOOR BUZZER
	B		DOOR BELL
V	V		OCCUPANCY SENSOR
	B		DOOR CHIME
	DR		ELECTRIC DOOR OPENER
	WS		LOW VOLTAGE PUSH BUTTON WALL STATION
P	P		PHOTOCELL
	H		MOTORIZED DOOR PUSH PLATE
	ML		MAGNETIC LOCK (ROUGH-IN)
	AE		AUTO-EQUALIZER (ROUGH-IN)
	PH		POWER HINGE (ROUGH-IN)
	PN		PNEUMATIC POWER TRANSFER (ROUGH-IN)
	MC		MAGNETIC DOOR CONTACT
	ES		ELECTRIC DOOR STRIKE
	L		EXIT ALERT, AUDIBLE, WITH LOCAL KEYSWITCH CONTROL

SYMBOL	DESCRIPTION
	BASKET TYPE CABLE TRAY OVERHEAD
	GROUND WIRE TO GROUND WIRE EXOTHERMIC WELD
	GROUND BUS BAR
	GROUND ROD
	TEST WELL WITH GROUND ROD
	MOTOR - SINGLE PHASE
	MOTOR - 3 PHASE
	PLUGMOLD RACEWAY
WM	WIREMOLD RACEWAY
	CONDUIT CONCEALED IN OR ABOVE CEILING
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN OR BELOW FLOOR
	HOMERUN
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	DIRECT BURIED CABLE
	PHASE, NEUTRAL, GROUND
	PHASE, PHASE, NEUTRAL, GROUND
	PHASE, PHASE, NEUTRAL, NEUTRAL, GROUND
	PHASE, PHASE, GROUND
	PHASE, PHASE, PHASE, GROUND
	HOMERUN
	PHASE, NEUTRAL, GROUND, HOMERUN
	TWISTED PAIR CABLE
	CONDUIT STUBBED OUT & CAPPED
	CONDUIT STUBBED OUT WITH BUSHING
J J J	JUNCTION BOXES
	GROUND ROD & CONNECTION
T	THERMOSTAT
T	TRANSFORMER
T	TRANSFORMER-PAD MOUNT
CT	CURRENT TRANSFORMER CABINET
	MOTOR
M	METER
M	METER AND SOCKET
CM	CUSTOMER METER
D	DEMAND METER (UTILITY)
WM	WATTHOUR METER (UTILITY)
TC	TIME CLOCK
	48V D.C. EMERGENCY LIGHT
	DISTRIBUTION PANEL
	LIGHTING OR POWER PANEL, RECESSED
	LIGHTING OR POWER PANEL, SURFACE
	LIGHTING OR POWER PANEL ON NORMAL/GENERATOR FEEDER
	DISTRIBUTION PANEL ON NORMAL/GENERATOR FEEDER
	MOTOR CONTROL CENTER (MCC)
	CIRCUIT BREAKER
	COIL (RELAY, CONTACTOR OR CONTROLLER)
	FUSE
	NORMALLY OPEN CONTACTS
	NORMALLY CLOSED CONTACTS
	NORMALLY OPEN MOMENTARY CONTACT
	NORMALLY CLOSED MOMENTARY CONTACT
	PILOT LIGHT
	SWITCH (MANUAL OR AS NOTED)
	TRANSFORMER
xxAF / yyAT	CIRCUIT BREAKER (OPEN), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE
xxAF / yyAT	CIRCUIT BREAKER (ENCLOSED), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE
CT	CURRENT TRANSFORMER CABINET
zzA	DISCONNECT SWITCH UNFUSED
zzA / zzA	DISCONNECT SWITCH AIR BREAK WITH FUSE,"zzA" INDICATES FUSED RATING
zzA	FUSE, "zzA" INDICATES FUSED RATING
	OVERLOAD RELAY
	GROUNDING CONNECTION-SYSTEM AND OR EQUIPMENT
K2	KIRK KEY INTERLOCK SYSTEM
	LIGHTNING ARRESTER AND GROUNDING TO PROTECT ALL PHASES
J XX.XX-X.X	MOTOR AND LABEL, "3" DENOTES HORSEPOWER
MO	MOTOR OPERATOR FOR CIRCUIT BREAKERS OR SWITCH
	RESISTOR
ST	SHUNT TRIP
	MAGNETIC STARTER WITH NEMA SIZE INDICATED
G	GENERATOR
XX" WIDE BUS DUCT	BUS DUCT OR BUS WAY
XX" WIDE WIRE WAY	WIRE WAY
	TRANSFER SWITCH
P	PANEL METER

GENERAL ELECTRICAL NOTES

1. VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BIDDING AND BEGINNING WORK.
2. REVIEW THE WORK OF OTHER TRADES. COORDINATE AND PLAN WORK WITH THE OTHER TRADES. ADJUST AS A RESULT OF COORDINATION. REVIEW COORDINATED EFFORTS WITH ENGINEER FOR APPROVAL.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.
4. STORE EQUIPMENT AND COMPONENTS IN A CLEAN, DRY LOCATION UNTIL READY FOR INSTALLATION. PROTECT FROM WEATHER, THEFT, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, ETC. AT ALL TIMES. ANY DAMAGED EQUIPMENT OR COMPONENT SHALL BE RESTORED AS NEW OR REPLACED.
5. DEMOLITION/REMODEL
   A. ALL MATERIALS REMOVED, AND NOT RELOCATED, BECOME THE PROPERTY OF THE CONTRACTOR. REMOVE MATERIALS FROM THE PROJECT SITE UNLESS NOTED OTHERWISE. OWNER HAS THE OPTION TO REVIEW ITEMS PRIOR TO REMOVAL AND RETAIN IF DESIRED.
   B. PATCH WALLS, FLOORS, CEILINGS, COLUMNS, ROOF PENETRATIONS, ETC. WHERE ITEMS ARE REMOVED TO MATCH FINISH OF ADJACENT SURFACES.
   C. RELOCATE EXISTING ITEMS AS REQUIRED FOR REMOVAL AND INSTALLATION OF WALLS, CEILINGS, DUCTWORK, PIPING AND EQUIPMENT.
   D. REMOVE ALL CONDUIT, WIRING, BOXES, SWITCHES, SUPPORTS, ETC. MADE UNNECESSARY, OR OBSOLETE AS A RESULT OF THIS PROJECT.
   E. EQUIP ALL OUTLET BOXES, CONCEALED BY CONSTRUCTION, WITH EXTENSION RINGS, BOXES, OR ACCESS PANEL TO MAINTAIN ACCESS TO BOXES AND WIRING. NOTE: CONTRACTOR HAS OPTION TO PROVIDE NEW HOME RUNS TO DOWNSTREAM OUTLETS IF EXTENSION BOXES OR ACCESS PANELS ARE IMPRACTICAL.
   F. REARRANGE EXISTING PANEL CIRCUITRY TO ACCOMMODATE REVISIONS.
   G. ALL ITEMS WITH NOTATION "EX" ARE TO REMAIN.
   H. ALL ITEMS WITH NOTATION "R" ARE RELOCATED, AS NOTED.
6. ELECTRICAL DRAWINGS SHOW THE INTENDED ARRANGEMENT AND ROUTING OF ALL CONDUIT AND DEVICES. THEY SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
7. PERFORM ALL WORK IN A SKILLED, PROFESSIONAL, MANNER MEETING THE ACCEPTANCE OF THE ENGINEER, ARCHITECT AND OWNER.
8. LABEL ALL RECEPTACLE DEVICES AS TO WHICH PANEL AND OVERCURRENT DEVICE FEEDS THE DEVICE WITH AN INDELIBLE MARKER ON THE BACK SIDE OF THE COVER PLATE. DEVICE WITH PLASTIC ENGRAVED PLATE ON THE FRONT SIDE OF THE COVER PLATE.
9. SMALLEST CONDUIT SIZE ALLOWABLE IS 3/4", AND SMALLEST WIRE SIZE ALLOWABLE IS #12 AWG COPPER UNLESS SPECIFICALLY NOTED OTHERWISE. ADJUST CIRCUIT AND CONDUIT SIZES FOR VOLTAGE DROP.
10. MOUNTING HEIGHTS OF DEVICES SHALL FOLLOW THE LISTING BELOW UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.

CONVENIENCE OUTLET	+18" AFF TO CENTERLINE OF DEVICE
TELEPHONE OUTLET	+18" AFF TO CENTERLINE OF DEVICE
DATA OUTLET	+18" AFF TO CENTERLINE OF DEVICE
LIGHT SWITCH OR DIMMER	+48" AFF TO TOP OF DEVICE
DEVICES ABOVE COUNTERTOP	+44" AFF TO CENTERLINE OF DEVICE
EXIT LIGHT	+96" AFF TO CENTERLINE OF DEVICE
THERMOSTAT OR TEMPERATURE/HUMIDITY SENSOR	+46" AFF TO TOP OF DEVICE
FIRE ALARM PULL STATION	+48" AFF TO TOP OF DEVICE
FIRE ALARM HORN	+80" AFF TO BOTTOM OF DEVICE
FIRE ALARM STROBE	+80" AFF TO BOTTOM OF DEVICE
FIRE ALARM COMBINATION HORN/STROBE	+80" AFF TO BOTTOM OF DEVICE
FIRE ALARM REMOTE ALARM LAMP	+90" AFF TO CENTERLINE OF DEVICE

11. CLEAN ALL EQUIPMENT TO PRESENT A "LIKE NEW" CONDITION AT PROJECT COMPLETION. VACUUM CLEAN INTERNAL AREAS OF EQUIPMENT AND PANELS.
12. CLEAN ALL MECHANICAL AND ELECTRICAL AREAS AND ROOMS OF DEBRIS AND UNUSED MATERIALS. VACUUM FLOORS.
13. THE MOUNTING POSITION FOR ALL STRAIGHT BLADE, VERTICALLY ORIENTED, NEMA 5, 6, 7, 14 AND 15 RECEPTACLES SHALL BE SUCH THAT THE GROUND PIN IS UP (ABOVE PHASE AND NEUTRAL BLADES). THE MOUNTING POSITION FOR ALL STRAIGHT BLADE, HORIZONTALLY ORIENTED, NEMA 5 AND 7 RECEPTACLES SHALL BE SUCH THAT THE NEUTRAL BLADE IS UP (ABOVE THE PHASE BLADE).
14. ALL ABOVE COUNTER DEVICES, LIGHT SWITCHES, RECEPTACLES AND TELE/DATA ROUGH-INS, TO BE MOUNTED AT THE SAME ELEVATION. COORDINATE WITH ARCHITECTURAL CASEWORK ELEVATIONS, SECTIONS AND WALL TYPES.
15. ELEVATORS - PROVISION FOR EACH ELEVATOR IS TO BE PER N.E.C ARTICLE 620 AND IS TO INCLUDE THE FOLLOWING:
   A. POWER FOR CONTROLLER AND MACHINE.
      a. GROUND CONDUCTOR IS TO BE THE SAME SIZE AS PHASE CONDUCTORS.
      b. CIRCUIT OVERCURRENT DEVICE WITH CHARACTERISTICS OF TYPE RK1 FUSE AND GROUND FAULT PROTECTION. ABLE TO BE LOCKED IN OPEN POSITION.
      c. DISCONNECT AT CONTROLLER. ABLE TO BE LOCKED IN OPEN POSITION.
      d. DISCONNECT AT MACHINE. ABLE TO BE LOCKED IN OPEN POSITION.
      e. CIRCUIT SIZES AND OVER CURRENT/DISCONNECT DEVICES ARE SHOWN AS BASIS OF DESIGN. CONTRACTOR TO COORDINATE AND PROVIDE AS REQUIRED BY SPECIFIC ELEVATOR MANUFACTURER.
      f. FOR ELEVATORS WITH BATTERY POWERED AUTO RETURN UNIT PROVIDE AUXILIARY CONTACTS AT MAIN LINE OVER CURRENT AND DISCONNECT DEVICES WITH CONTROL WIRING TO ELEVATOR CONTROLLER.
   B. 120V DEDICATED CIRCUIT FOR ELEVATOR CAR LIGHTS TO CONTROLLER.
   C. (2) TELEPHONE LINES FOR ELEVATOR CAR TO CONTROLLER.
   D. 120V POWER FOR GFCI RECEPTACLE AT LOCATION OF CONTROLLER AND LOCATION OF MACHINE.
   E. 120V POWER FOR GFCI RECEPTACLE IN PIT.
   F. LIGHTING AT CONTROLLER, MACHINE AND PIT – 19 FC ON EMERGENCY POWER OR BATTERY BACKUP.
   G. FIRE ALARM
      a. (2) RELAYS FOR ELEVATOR RECALL AT CONTROLLER
      b. SMOKE DETECTOR AT ELEVATOR LOBBIES
      c. SMOKE DETECTOR IN CONTROLLER ROOM
      d. SMOKE DETECTOR AT MACHINE.
16. ALL WORK INCLUDING CIRCUITS, CONDUIT AND OVER CURRENT DEVICES REQUIRED FOR COMPLETE INSTALLATION IS NEW UNLESS SPECIFICALLY OTHERWISE NOTED.
17. IF OUTLETS BECOME BACK TO BACK THEY ARE TO BE MOVED OR SEPARATED BY 6" AND USE PUTTY PACKS. IF BOXES CANNOT BE MOVED AND FALL BACK TO BACK SEPARATE THE STUD CAVITY WITH DRYWALL ON THE BACK SIDE AND A HEADER OR BLOCKING ABOVE THE OUTLET TO NAIL OFF THE DRYWALL.
18. SEE N.T.I LOW VOLTAGEDRAWINGS AND PROVIDE CONDUIT AND 120V POWER SHOWN. POWER TO LOW VOLTAGE EQUIPMENT IS TO BE CIRCUITED TO NEAREST OPTIONAL STANDBY (OS) PANEL.

SHEET TYPE DESIGNATORS

000	GENERAL (SYMBOLS, ABBREVIATIONS, NOTES)
100	PLANS
200	PLANS (SECONDARY)
300	ENLARGED PLANS & SECTIONS
400	SCHEMATICS & DIAGRAMS
500	SCHEDULES
600	DETAILS
700	CONTROL DIAGRAMS
800	(USER DEFINED)
900	3D REPRESENTATIONS (ISOMETRICS)

NOTATION DESIGNATORS

GENERAL MECHANICAL NOTES:	NOTES THAT APPLY EQUALLY TO ALL SHEETS WITHIN THE DISCIPLINE.
GENERAL SHEET NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR.
SHEET PLAN NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR AND USE A PLAN NOTE INDICATOR TO IDENTIFY ITEMS.

SHEET PLAN NOTES

1.

DISCIPLINE DESIGNATORS

M-000	MECHANICAL
FP000	FIRE SUPPRESSION
P-000	PLUMBING
PD000	PLUMBING DEMOLITION
H-000	HVAC
HD000	HVAC DEMOLITION
HP000	HVAC PIPING

LINETYPE DESIGNATORS

———	THIN CONTINUOUS LINETYPE INDICATE EXISTING ITEMS.
- - - -	INTERMEDIATE DASHED LINETYPE INDICATE ITEMS TO BE REMOVED ON COMBINATION PLANS.
———	INTERMEDIATE OR WIDE CONTINUOUS LINETYPE INDICATE WORK TO BE INCLUDED.
———	THIN HALFTONE LINETYPE INDICATE ITEMS BY OTHER DISCIPLINE.
	INDICATES POINT OF CONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.
	INDICATES POINT OF DISCONNECTION TO EXISTING EQUIPMENT, PIPING OR MATERIALS.

NOT ALL NOTES, DESIGNATORS, SYMBOLS OR ABBREVIATIONS MAY APPLY TO THIS PROJECT

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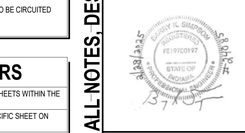
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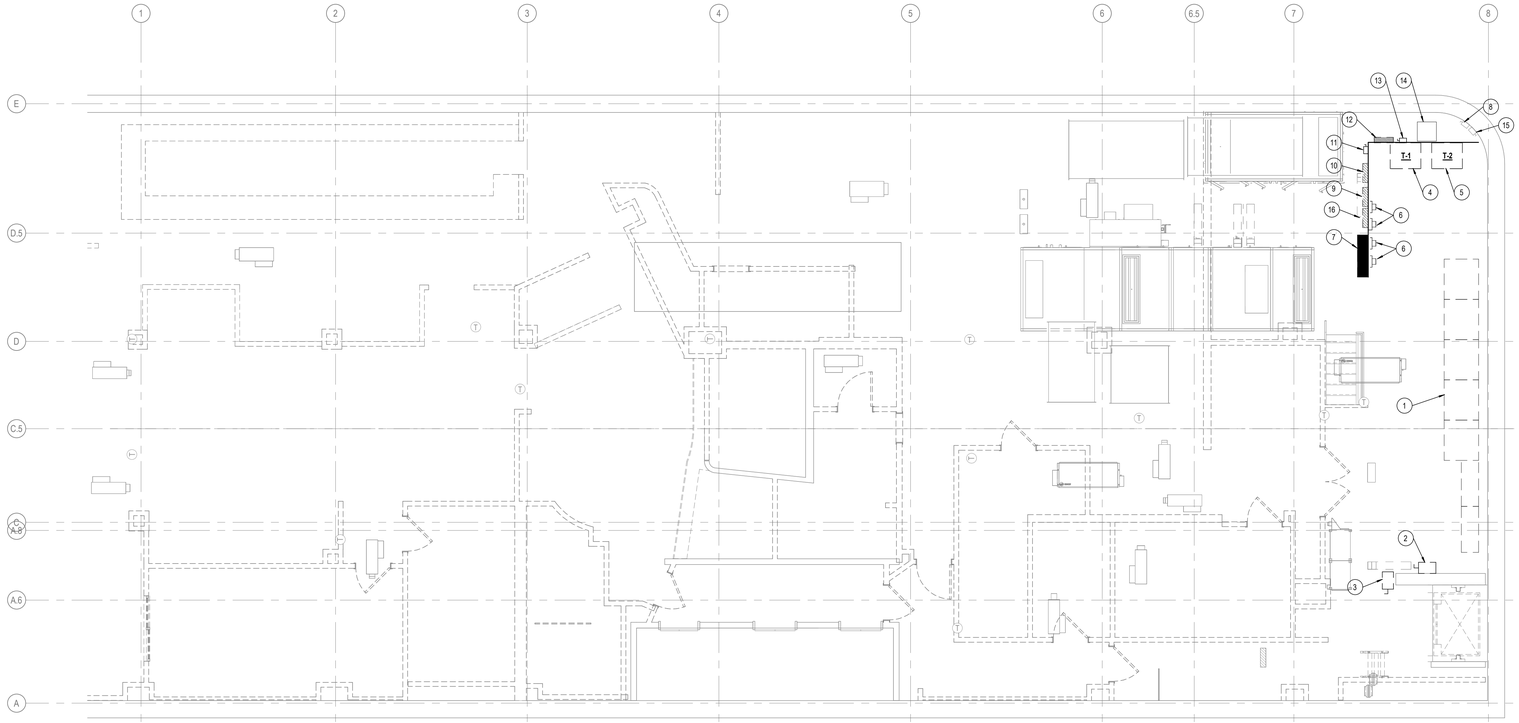
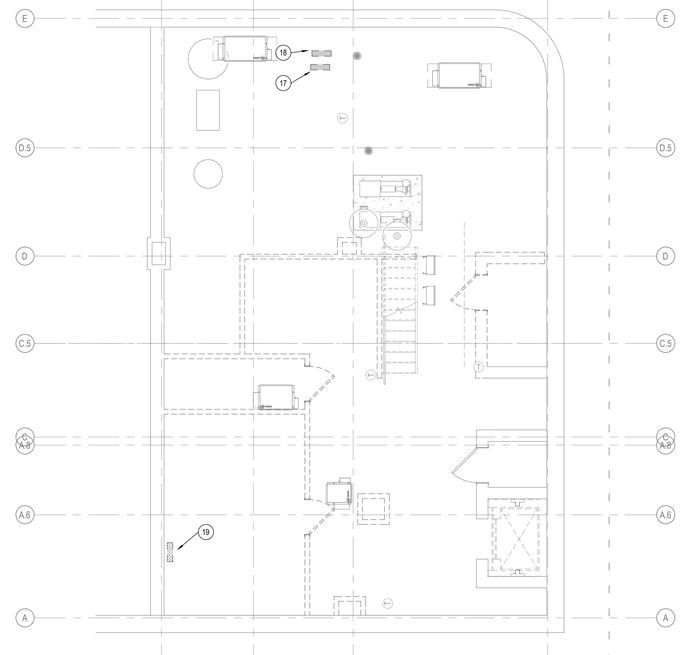


1 BASEMENT ELECTRICAL DEMO PLAN
3/16" = 1'-0"
0 4' 8' 12'
N



2 SUB-BASEMENT ELECTRICAL DEMO PLAN
3/16" = 1'-0"
0 4' 8' 12'
N

SHEET PLAN NOTES

1. EXISTING SWITCHBOARD 'MDP', 3000A, 208/120V, 3PH, 4W TO BE REMOVED.
2. 600A, 208V DISCONNECT FOR 'TRANSFORMER 2' SERVING HEATING LOADS TO BE REMOVED.
3. 600A, 208V DISONNECT FOR 'TRANSFORMER 1' SERVING HEATING LOADS TO BE REMOVED.
4. 'TRANSFORMER 1', 150KVA, 208V PRIMARY, 480V SECONDARY SERVING HEATING LOADS TO BE REMOVED.
5. 'TRANSFORMER 2', 150KVA, 208V PRIMARY, 480V SECONDARY SERVING HEATING LOADS TO BE REMOVED.
6. AES METERS TO BE REMOVED.
7. REMOVE EXISTING DISTRIBUTION PANEL MARKED 'NICKY BLAIN'S' WITH ASSOCIATED FEEDER TO SWITCHBOARD 'MDP' AND BRANCH WIRING AND CONDUIT. PANEL IS 800A, 208/120V, 3PH, 4W.
8. 400A DC DISCONNECT SERVING DC ELEVATOR IS TO REMAIN.
9. EXISTING HOUSE PANEL IS TO BE REMOVED.
10. REMOVE EXISTING PANEL MARKED 'SOUTH HEAT UNITS'. PANEL IS 225A, 480V, 3PH. PANEL IS SERVED FROM 480V SIDE OF 150KVA TRANSFORMER 1 VIA 200A DISCONNECT LOCATED ADJACENT TO PANEL. REMOVE EXISTING BRANCH CIRCUITS.
11. 200A DISCONNECT FOR 'SOUTH HEAT UNITS' PANEL TO BE REMOVED.
12. REMOVE EXISTING PANEL MARKED 'NORTH HEAT UNITS'. PANEL IS 225A, 480V, 3PH. PANEL SERVED FROM 480V SIDE OF 150KVA TRANSFORMER 2 VIA 200A DISCONNECT LOCATED ADJACENT TO PANEL. REMOVE EXISTING BRANCH CIRCUITS.
13. REMOVE 200A DISCONNECT FOR 'NORTH HEAT UNITS' PANEL.
14. RECTIFIER SERVING DC ELEVATOR IS TO REMAIN.
15. 200A AC DISCONNECT SERVING RECTIFIER IS TO REMAIN.
16. REMOVE EXISTING DISTRIBUTION PANEL MARKED 'QDOBA'. PANEL IS 400A, 208/120V, 3PH, 4W.
17. REMOVE QDOBA 100A PANELBOARD.
18. REMOVE QDOBA COMPRESSOR.
19. REMOVE QDOBA COOLER.

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
SUB-BASEMENT AND BASEMENT ELECTRICAL DEMO PLANS

SHEET NUMBER
ED101

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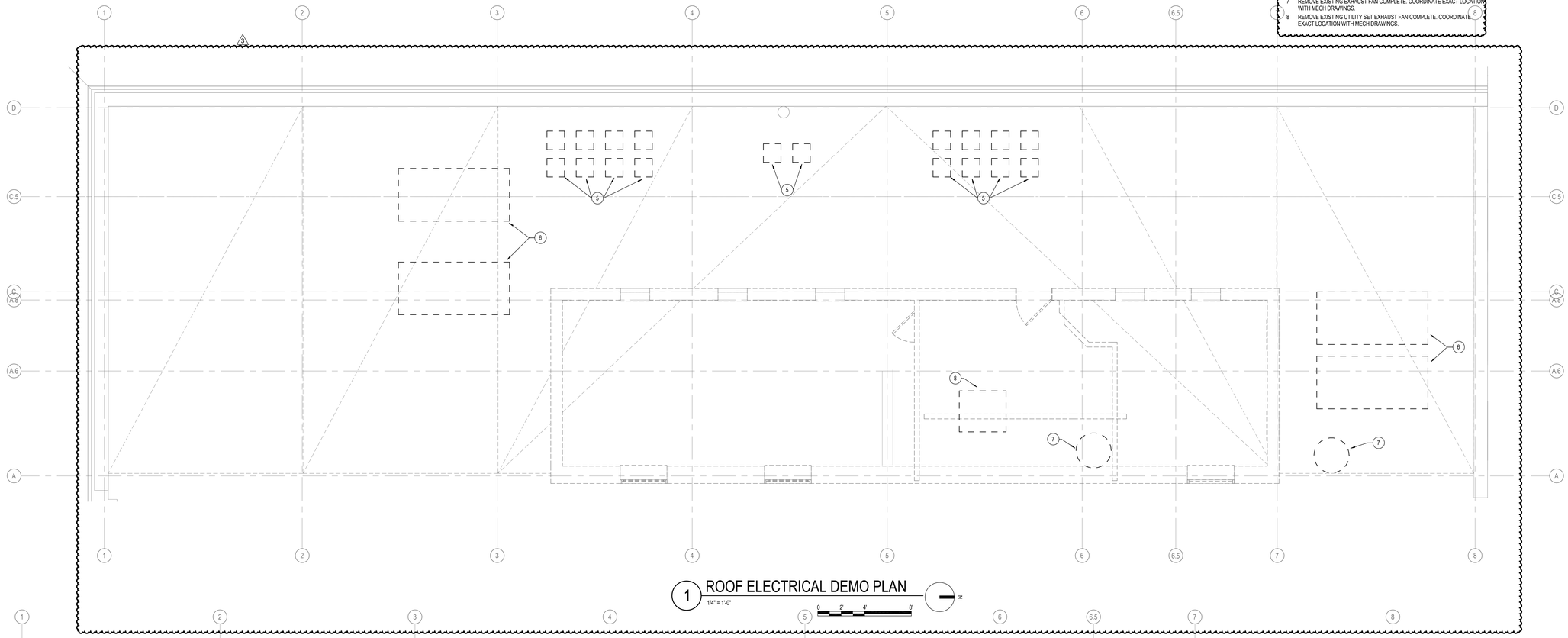
GENERAL SHEET NOTES

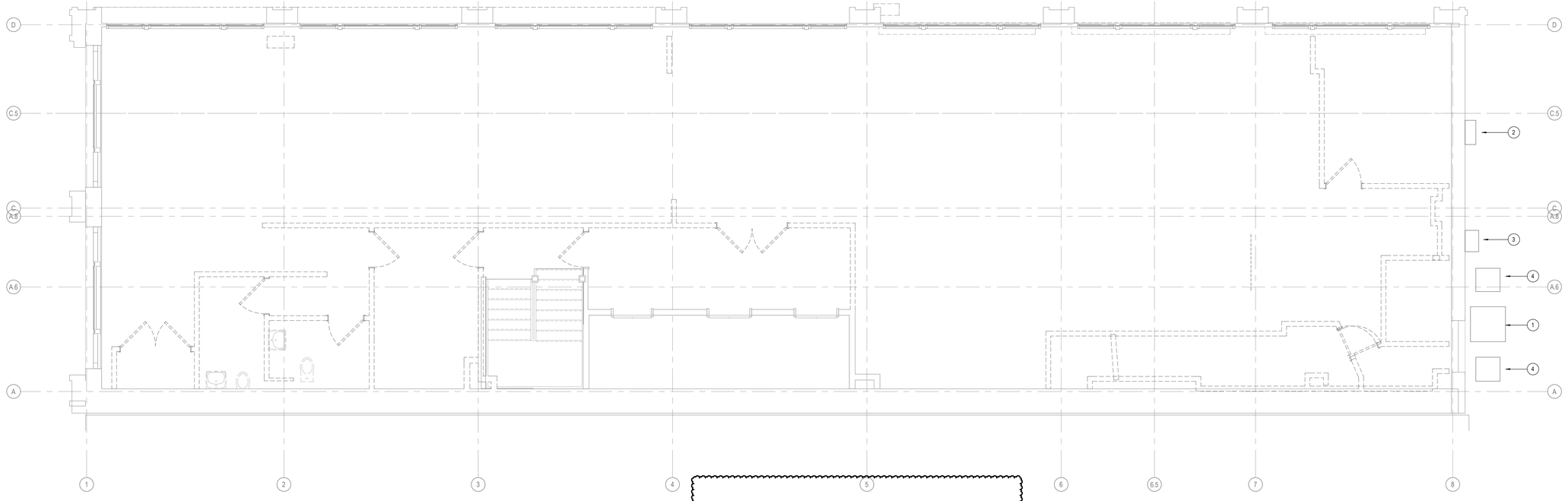
A. FOR EQUIPMENT TO BE RELOCATED, RELOCATE CONNECTIONS AND EXTEND CIRCUIT AND CONDUIT TO NEW LOCATION.
B. FOR EQUIPMENT TO BE REMOVED, REMOVE CONNECTIONS, WIRE AND CONDUIT BACK TO SOURCE.
C. COORDINATE ALL HVAC DEMOLITION WITH HVAC DRAWINGS.

SHEET PLAN NOTES

1 EXISTING CONDENSING UNIT SERVING JIMMY JOHNS AT SECOND FLOOR LEVEL MOUNTED ON FIRE ESCAPE PLATFORM TO BE REMOVED.
2 REMOVE EXISTING WALL MOUNTED CONDENSING UNIT FOR QDOBA.
3 REMOVE EXISTING WALL MOUNTED EXHAUST FAN FOR QDOBA.
4 REMOVE EXISTING CONDENSING UNIT FOR QDOBA AT SECOND FLOOR LEVEL MOUNTED ON FIRE ESCAPE PLATFORM.
5 REMOVE EXISTING SPLIT SYSTEM CONDENSING UNIT COMPLETE. COORDINATE EXACT LOCATION WITH MECH DRAWINGS.
6 REMOVE EXISTING CONDENSING UNIT COMPLETE. COORDINATE EXACT LOCATION WITH MECH DRAWINGS.
7 REMOVE EXISTING EXHAUST FAN COMPLETE. COORDINATE EXACT LOCATION WITH MECH DRAWINGS.
8 REMOVE EXISTING UTILITY SET EXHAUST FAN COMPLETE. COORDINATE EXACT LOCATION WITH MECH DRAWINGS.



1 ROOF ELECTRICAL DEMO PLAN
1/4" = 1'-0"



2 SECOND FLOOR ELECTRICAL DEMO PLAN
1/4" = 1'-0"

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

SHEET NUMBER
ED102

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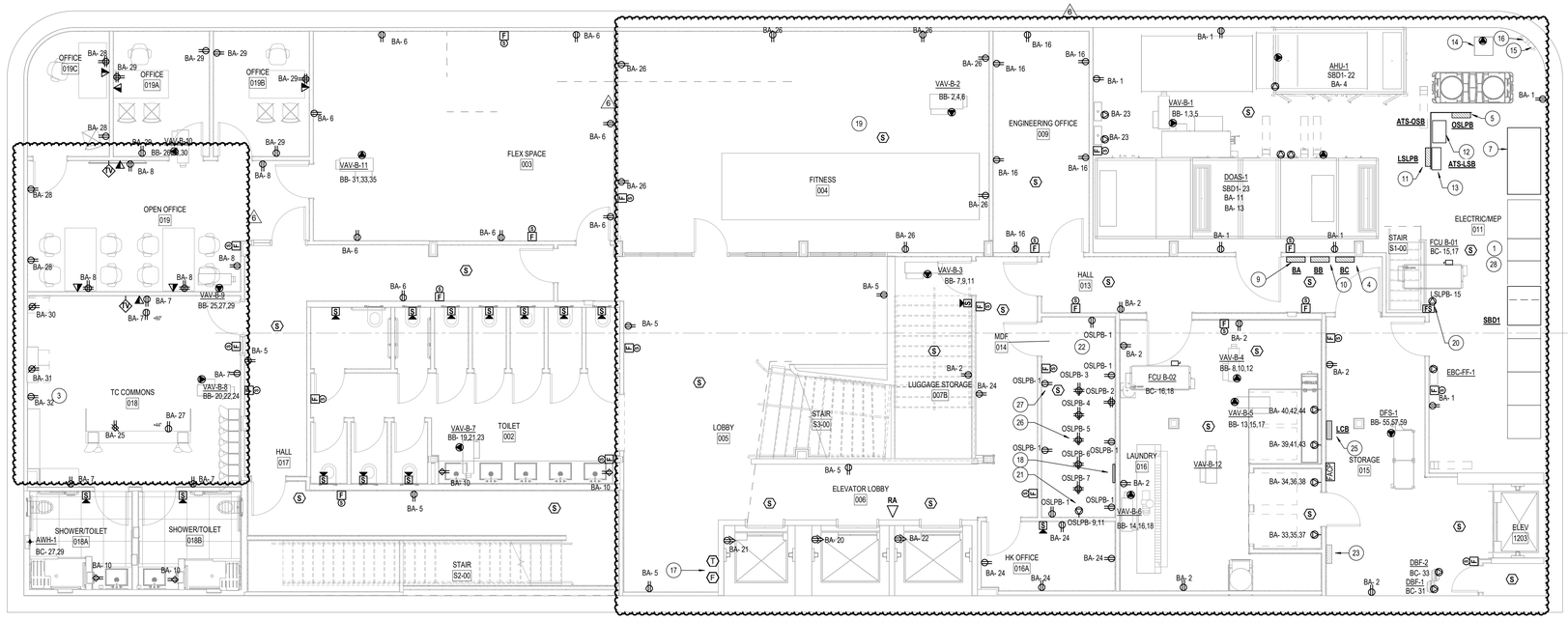
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TC COMMONS 018
HALL 017
SHOWER/TOILET 018A
SHOWER/TOILET 018B
FLEX SPACE 003
FITNESS 004
TOILET 002
LOBBY 005
ELEVATOR LOBBY 006
STAIR S3-00
STAIR S2-00
ENGINEERING OFFICE 009
HALL 013
MDF 014
LUGGAGE STORAGE 007B
LAUNDRY 016
HK OFFICE 016A
STORAGE 015
ELEV 1203
AHU-1 SBD1- 22 BA- 4
VAV-B-1 BB- 1,3,5
VAV-B-2 BB- 2,4,6
VAV-B-3 BB- 7,9,11
VAV-B-4 BB- 8,10,12
VAV-B-5 BB- 13,15,17
VAV-B-6 BB- 14,16,18
VAV-B-7 BB- 19,21,23
VAV-B-8 BB- 20,22,24
VAV-B-9 BB- 25,27,29
VAV-B-10 BB- 26,28,30
VAV-B-11 BB- 31,33,35
VAV-B-12
DOAS-1 SBD1- 23 BA- 11 BA- 13
FCU B-01 BC- 15,17
FCU B-02 BC- 16,18
STAIR S1-00
ELECTRIC/MEP 011
ATS-OSB
OSLPB
LSLPB
ATS-LSB
SBD1
EBC-FF-1
DFS-1 BB- 55,57,59
DBF-2 BC- 33
DBF-1 BC- 31
AWH-1 BC- 27,29
OSLPB- 1
OSLPB- 2
OSLPB- 3
OSLPB- 4
OSLPB- 5
OSLPB- 6
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OSLPB- 9,11
OSLPB- 12
LSLPB- 15
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GENERAL SHEET NOTES

A. SEE NTI DRAWINGS FOR VOICE, DATA, SECURITY AND AV DEVICES AND EQUIPMENT LOCATIONS. PROVIDE ALL CONDUIT, BACKBOXES AND 120V POWER REQUIRED FOR EQUIPMENT AND DEVICE INSTALLATION.

B. CONTRACTOR IS TO SUBMIT COORDINATED LAYOUT DRAWING OF ELECTRICAL EQUIPMENT SPACES BASED ON EQUIPMENT SUBMITTED AND EXISTING CONDITIONS DEMONSTRATING CODE REQUIRED WORKING CLEARANCES FOR APPROVAL BY ENGINEER PRIOR TO PURCHASING OR INSTALLING EQUIPMENT.

C. SEE MOTORIZED EQUIPMENT SCHEDULE FOR EQUIPMENT ELECTRICAL REQUIREMENTS.

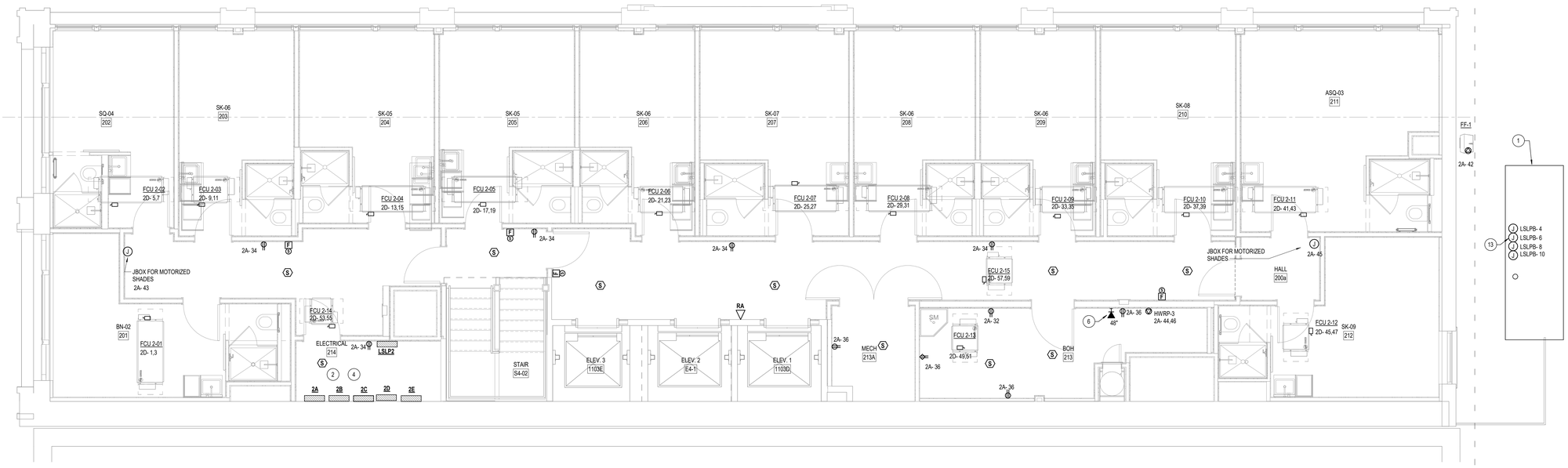
D. ALL RECEPTACLES IN KITCHEN AREAS TO HAVE GFCI PROTECTION.

SHEET PLAN NOTES

1 NATURAL GAS FIRED GENERATOR ON ELEVATED PLATFORM AT SECOND FLOOR LEVEL FOR FIRE PUMP LIFE SAFETY AND OPTIONAL STANDBY LOADS. ROUTE CIRCUITS FOR BATTERY CHARGERS AND BLOCK HEATERS FROM LIFE SAFETY PANEL "LSLPB". ALSO INCLUDE REMOTE ANNUNCIATION AND CONTROL PANEL LOCATED IN HOTEL WORK ROOM.
2 PANELS IN THIS ROOM SERVE LOADS ON 2ND, 3RD AND 4TH FLOORS.
3 EXISTING CONDENSING UNITS FOR QDOBA TO BE RELOCATED FOR NEW GENERATOR PLATFORM. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION.
4 SEE ENLARGED PLANS ON SHEET EP103 FOR ELECTRICAL, I.T., AND HOUSEKEEPING ROOMS ON OTHER FLOORS.
5 SEE FOOD SERVICE EQUIPMENT DRAWINGS FOR LOCATIONS AND ROUGH-IN INFORMATION. SEE KITCHEN EQUIPMENT SCHEDULE ON SHEET E-501 FOR ELECTRICAL INFORMATION.
6 WALL TELEPHONE

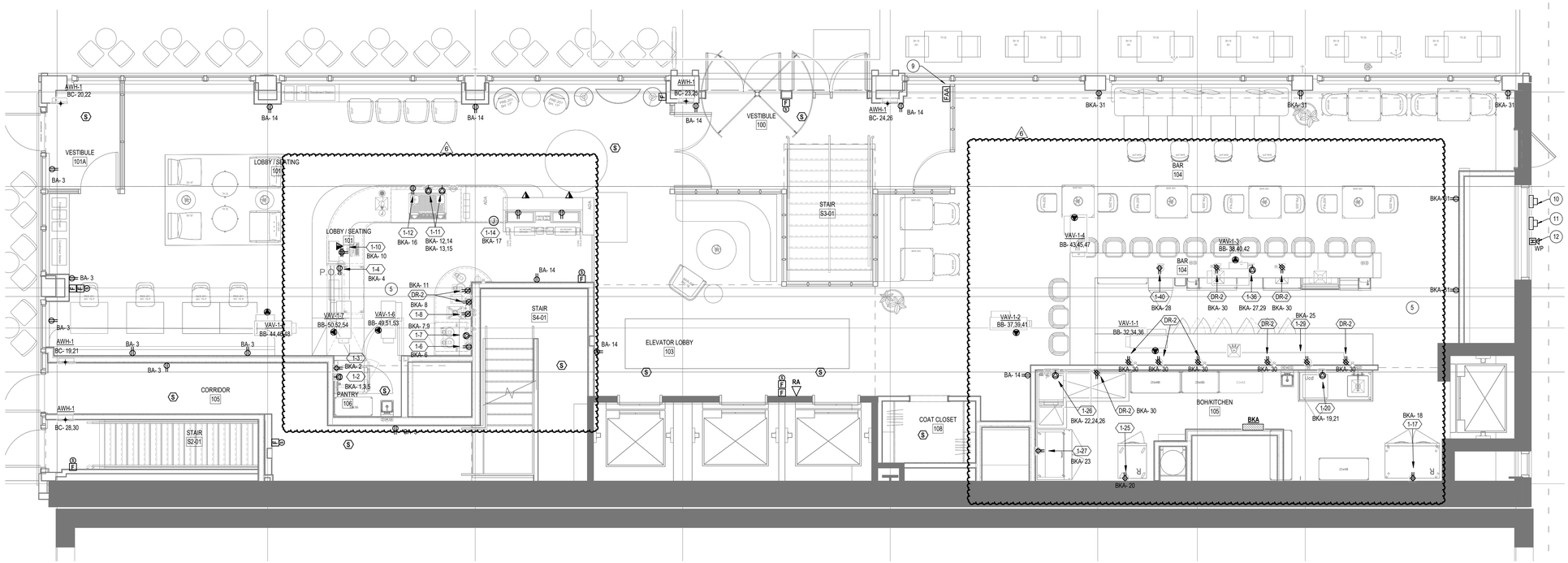
SHEET PLAN NOTES

9 LOCATION FOR GENERATOR, FIRE ALARM, RESCUE ASSISTANCE SYSTEM, FIRE PUMP AND ELEVATOR REMOTE ANNUNCIATOR PANELS FOR FIRE DEPARTMENT USE. COORDINATE REQUIREMENTS WITH FIRE DEPARTMENT. LOCATION IS TO INCLUDE FIREMAN'S PHONE AND VOICE EVACUATION MICROPHONE AND CONTROLS.
10 FIRE PUMP AES METER.
11 SWITCHBOARD AES METER.
12 WEATHER PROOF HORN/STROBE FOR SPRINKLER ALARM.
13 BATTERY CHARGER AND AUX HEATERS CONNECTIONS. ROUTE CIRCUITS TO LIFE SAFETY PANEL.



2 SECOND FLOOR POWER & SIGNAL PLAN

1/4" = 1'-0"



1 FIRST FLOOR POWER & SIGNAL PLAN

1/4" = 1'-0"

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1	BID DOCUMENTS	11/22/2021
2	RFI-38	10/18/2022
3	ASI-02	11/11/2022
4	DD REISSUE	12/09/2024
5	50% CD	01/24/2025
6	100% CD	2/28/2025

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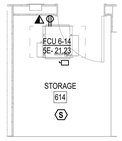
CDG PROJECT NO. 24085

SHEET TITLE
FIRST AND SECOND FLOOR POWER & SIGNAL PLANS

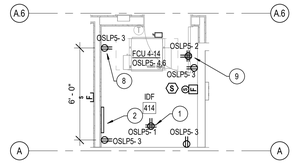
SHEET NUMBER
EP102



4 TYPICAL HOUSEKEEPING ROOM PLAN

1/4" = 1'-0"

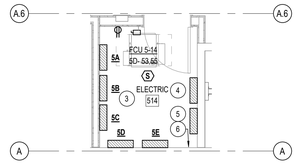
NOTE:
1. HOUSEKEEPING ROOM TYPICAL FOR FLOORS 9 & 9
2. RECEPTACLE TO BE CIRCUITED TO 20A CIRCUIT SERVING GENERAL RECEPTACLES ON EACH FLOOR. TYPICAL



3 TYPICAL I.T. ROOM PLAN

1/4" = 1'-0"

NOTE:
1. I.T. ROOM TYPICAL FOR FLOORS 4 & 7
2. I.T. ROOM ON 4TH FLOOR IS TO SERVE DEVICES ON FLOORS 3,4 & 5.
3. I.T. ROOM ON 7TH FLOOR IS TO SERVE DEVICES ON FLOORS 6,7 & 8.
4. I.T. ROOM ON 11TH FLOOR IS TO SERVE DEVICES ON FLOORS 9,10, 11 & ROOFTOP BAR.



2 TYPICAL ELEC. ROOM PLAN

1/4" = 1'-0"

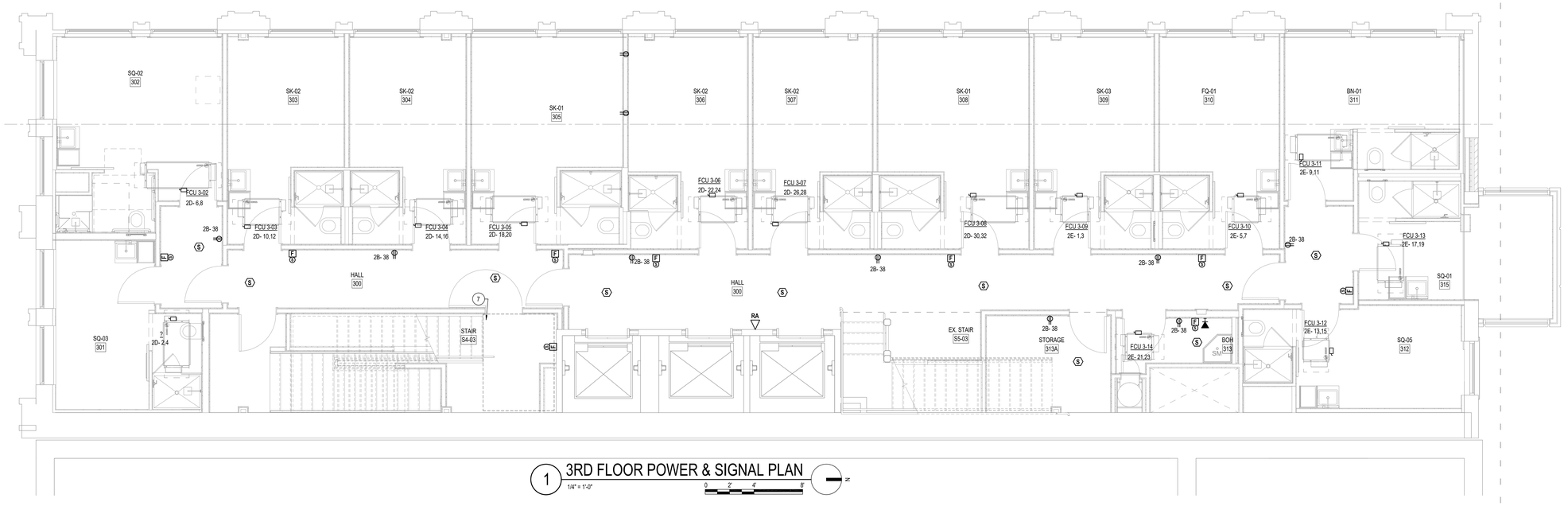
NOTE:
1. ELECTRICAL ROOM TYPICAL FOR FLOORS 5 & 8.
2. PANELS IN 5TH FLOOR ELECTRICAL ROOM ARE TO SERVE LOADS ON FLOORS 5, 6 & 7.
3. PANELS IN 8TH FLOOR ELECTRICAL ROOM ARE TO SERVE LOADS ON FLOORS 8, 9 AND 10.
4. RECEPTACLE TO BE CIRCUITED TO 20A CIRCUIT SERVING GENERAL RECEPTACLES ON EACH FLOOR. TYPICAL

GENERAL SHEET NOTES

1. CIRCUIT NUMBERS SHOWN ARE TO PANELS IN SECOND FLOOR ELECTRICAL ROOM. CIRCUITS ON 2ND, 3RD AND 4TH FLOORS ARE TO PANELS IN 2ND FLOOR ELECTRICAL ROOM.
2. CIRCUITS ON 5TH, 6TH AND 7TH FLOORS ARE TO PANELS IN 5TH FLOOR ELECTRICAL ROOM.
3. CIRCUITS ON 8TH, 9TH AND 10TH FLOORS ARE TO PANELS IN 8TH FLOOR ELECTRICAL ROOM.
4. SEE NTI DRAWINGS FOR VOICE, DATA, SECURITY AND AV DEVICES AND EQUIPMENT LOCATIONS. PROVIDE ALL CONDUIT, BACKBOXES AND 120V POWER REQUIRED FOR EQUIPMENT AND DEVICE INSTALLATION.

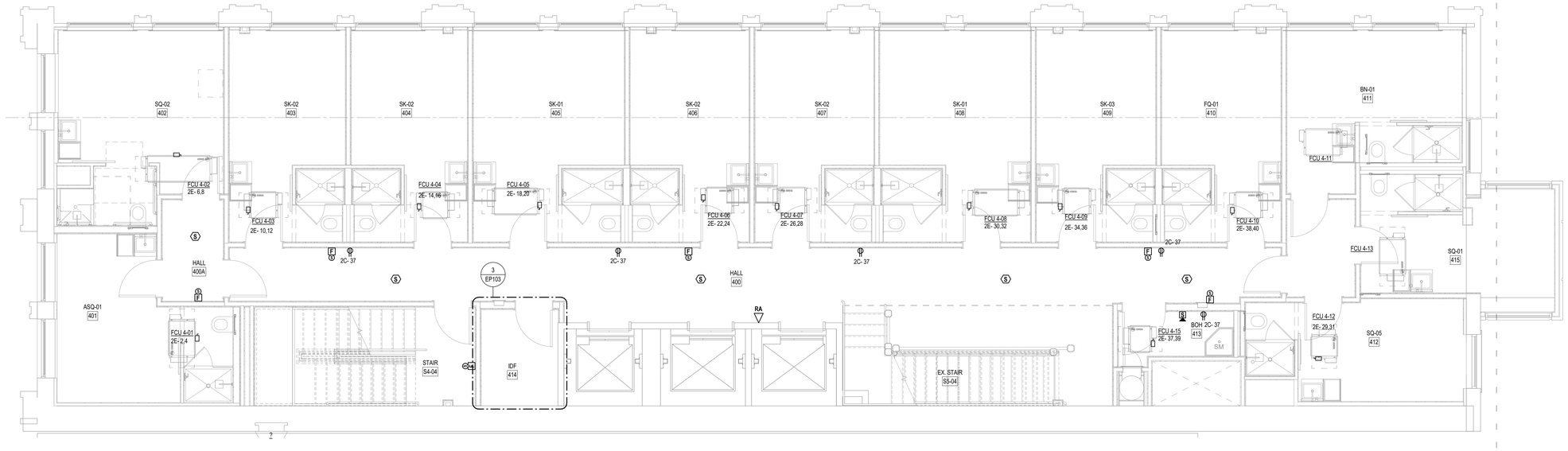
SHEET PLAN NOTES

1. PROVIDE 5-20R QUAD RECEPTACLE ON DEDICATED CIRCUIT. COORDINATE WITH LOW VOLTAGE DRAWINGS.
2. GROUND BUS. (TYPICAL ALL I.T. ROOMS)
3. PANEL BOARDS "A", "B", "C", "D", "E". (TYPICAL ON FLOORS 2ND, 5TH & 8TH)
4. LIFE SAFETY PANEL WHERE SHOWN ON RISER DIAGRAM.
5. OPTIONAL STANDBY PANEL WHERE SHOWN ON RISER DIAGRAM.
6. THIS SPACE IS RESERVED FOR I.T. AND POWER CONDUIT RISERS. COORDINATE ROOM LAYOUT WITH REQUIRED POWER AND I.T.CONDUIT RISERS. SUBMIT LAYOUT TO ENGINEER FOR APPROVAL PRIOR TO ROUGH-IN.
7. LOCATION OF HOUSE KEEPING, I.T. AND ELECTRICAL ROOMS ON FLOORS 4 THROUGH 10. SEE ENLARGED PLANS ON THIS SHEET FOR LOCATIONS OF ROOM TYPES.
8. PROVIDE DUPLEX CONVENIENCE OUTLET AT 6' INVERVALS AROUND ROOM. COORDINATE WITH LOW VOLTAGE DRAWINGS. TYP.
9. COORDINATE EXACT LOCATION OF RECEPTACLE FOR HORIZONTAL RISER WITH LOW VOLTAGE DRAWINGS.



1 3RD FLOOR POWER & SIGNAL PLAN

1/4" = 1'-0"



5 4TH THROUGH 10TH FLOOR TYPICAL POWER & SIGNAL PLAN

1/4" = 1'-0"

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ASI-02	11/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
THIRD - TENTH POWER AND SIGNAL FLOOR PLANS

SHEET NUMBER
EP103

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SHEET PLAN NOTES

1. PANEL "11A".
2. PANEL "11B".
3. PANEL "11KA".
4. SEE FOOD SERVICE EQUIPMENT DRAWINGS FOR LOCATIONS AND ROUGH-IN INFORMATION. SEE KITCHEN EQUIPMENTR SCHEDULE ON SHEET E-501 FOR ELECTRICAL INFORMATION.
5. C.O. SENSOR WITH SOUNDER BASE. CONNECT TO FIRE ALARM SYSTEM. CONTROL CONTROL PANEL VIA I/O.
7. PROVIDE 5-20R QUAD RECEPTACLE ON DEDICATED CIRCUIT. COORDINATE WITH LOW VOLTAGE DRAWINGS.
8. GROUND BUS. (TYPICAL ALL I.T. ROOMS)
9. PROVIDE DUPLEX CONVENIECE OUTLET AT 6' INVERVALS AROUND ROOM. COORDINATE WITH LOW VOLTAGE DRAWINGS. TYP
10. PROVIDE ELECTRICAL CONNECTION TO DUMBWAITERS AS REQUIRED. COORDINATE FINAL POWER AND WIRING REQUIREMENTS WITH MANUFACTURER AND ARCHITECT. E.C. TO PROVIDE 30A FUSED DISCONNECT AT MACHINE LOCATION.
11. POWER CONNECTION FOR SPF-1 LOCATED ON 10TH FLOOR. COORDINATE EXACT LOCATION WITH MECH DRAWINGS. REFER TO MOTORIZED EQUIPMENT SCHEDULE FOR FEEDER AND BREAKER SIZES.

1 ELEVENTH (MEZ.) FLOOR POWER & SIGNAL PLAN
1/4" = 1'-0"
0 2' 4' 8'

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SHEET ISSUE

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3	50% CD	01/24/2025
4	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ELEVENTH FLOOR POWER AND SIGNAL PLAN

SHEET NUMBER
EP104

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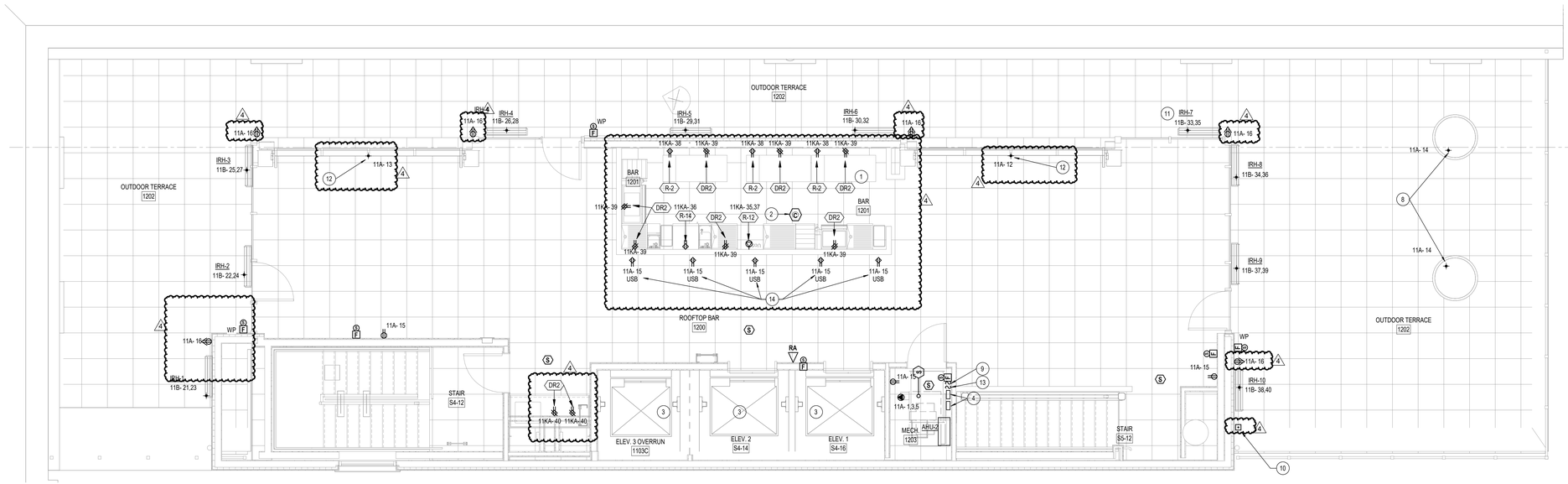
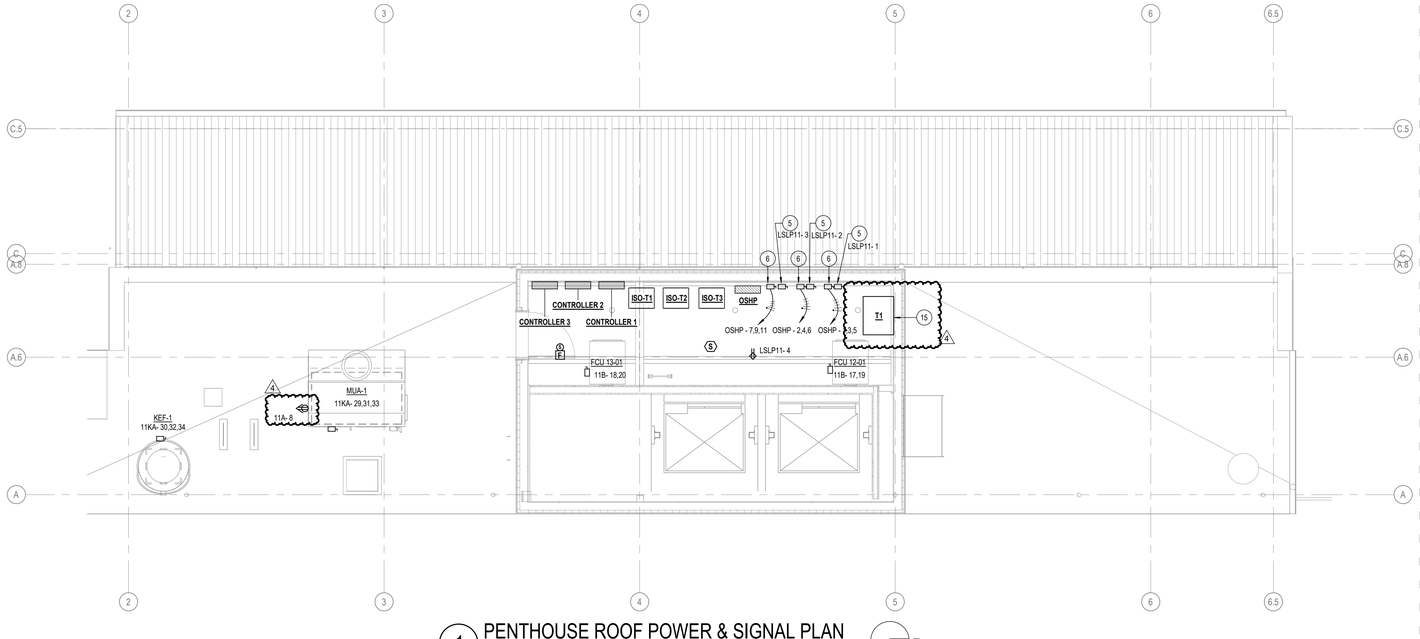


2 ROOF DECK HIGH POINT POWER & SIGNAL PLAN
1/4" = 1'-0"
0 2' 4' 8'



1 PENTHOUSE ROOF POWER & SIGNAL PLAN
1/4" = 1'-0"
0 2' 4' 8'

GENERAL SHEET NOTES

A. SEE NTI DRAWINGS FOR VOICE, DATA, SECURITY AND AV DEVICES AND EQUIPMENT LOCATIONS. PROVIDE ALL CONDUIT, BACKBOXES AND 120V POWER REQUIRED FOR EQUIPMENT AND DEVICE INSTALLATION.

B. CONTRACTOR IS TO SUBMIT COORDINATED LAYOUT DRAWING OF ELECTRICAL EQUIPMENT SPACES BASED ON EQUIPMENT SUBMITTED AND EXISTING CONDITIONS DEMONSTRATING CODE REQUIRED WORKING CLEARANCES FOR APPROVAL BY ENGINEER PRIOR TO PURCHASING OR INSTALLING EQUIPMENT.

C. SEE MOTORIZED EQUIPMENT SCHEDULE FOR EQUIPMENT ELECTRICAL REQUIREMENTS.

D. ALL RECEPTACLES IN KITCHEN AREAS TO HAVE GFCI PROTECTION.

SHEET PLAN NOTES

1. SEE FOOD SERVICE EQUIPMENT DRAWINGS FOR LOCATIONS AND ROUGH-IN INFORMATION. SEE KITCHEN EQUIPMENTR SCHEDULE ON SHEET E-501 FOR ELECTRICAL INFORMATION.
2. C.O. SENSOR WITH SOUNDER BASE. CONNECT TO FIRE ALARM SYSTEM.
3. SEE PROJECT NOTES FOR ELEVATOR REQUIREMENTS. COORDINATE WITH ARCHITECTURAL AND EQUIPMENT MANUFACTURER DRAWINGS FOR EQUIPMENT LOCATIONS AND INFORMATION.
4. CONTROL SWITCH FOR "IRH" RADIANT HEATERS. (6) 2 GANG BOXES (3HIGH X 2WIDE). SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. DISCONNECT FOR ELEVATOR CAB LIGHTING. SEE ELEVATOR MANUFACTURER'S DRAWINGS FOR EQUIPMENT REQUIREMENTS.
6. DISCONNECT FOR ELEVATOR POWER. SEE ELEVATOR MANUFACTURER'S DRAWINGS FOR EQUIPMENT REQUIREMENTS.
8. POWER CONNECTION FOR FIRE BOX OR FIRE PIT. CONNECT TO SWITCH LOCATED IN MECH RM 1203 FOR ON/OFF CONTROL. COORDINATE WITH MANUFACTURER'S INSTRUCTIONS.
9. SWITCH FOR ON/OFF CONTROL OF FIRE BOX AND FIRE PITS.
10. WEATHERPROOF EMERGENCY PUSH BUTTON WITH KEY RESET TO SHUT OFF GAS SOLENOID SERVING FIRE BOX AND FIRE PITS. COORDINATE WITH PLUMBING DRAWINGS.
11. FOR POWER TO RADIANT HEATER, ROUTE CIRCUIT WITH SOOW CABLE FROM BACK OF HEATER THROUGH GROMMETED HOLE IN WALL TO JUNCTION BOX DIRECTLY INSIDE BUILDING DIRECTLY ABOVE HORIZONTAL FRAMING. FROM THERE, ROUTE CIRCUIT IN CONDUIT TO CONTROLLER IN MECH RM. FIELD COORDINATE LOCATION OF JUNCTION BOXES WITH ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN. TYPICAL ALL RADIANT HEATERS.
12. POWER CONNECTION FOR RETRACTABLE AWNINGS. CONTROL STATION TO BE LOCATED IN MECH RM. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
13. CONTROL STATION FOR POWERED AWNINGS.
14. COMBINATION 120V/USB DUPLEX OUTLETS UNDER COUNTERTOP ON KNEE WALL OR JUST BELOW SAME.
15. 112.5 KVA, 208V PRIMARY, 480V SECONDARY DRY TYPE TRANSFORMER TO SERVE 480V ELEVATORS.

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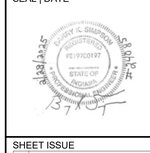

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ROOF BAR FLOOR POWER AND SIGNAL PLANS

SHEET NUMBER
EP105

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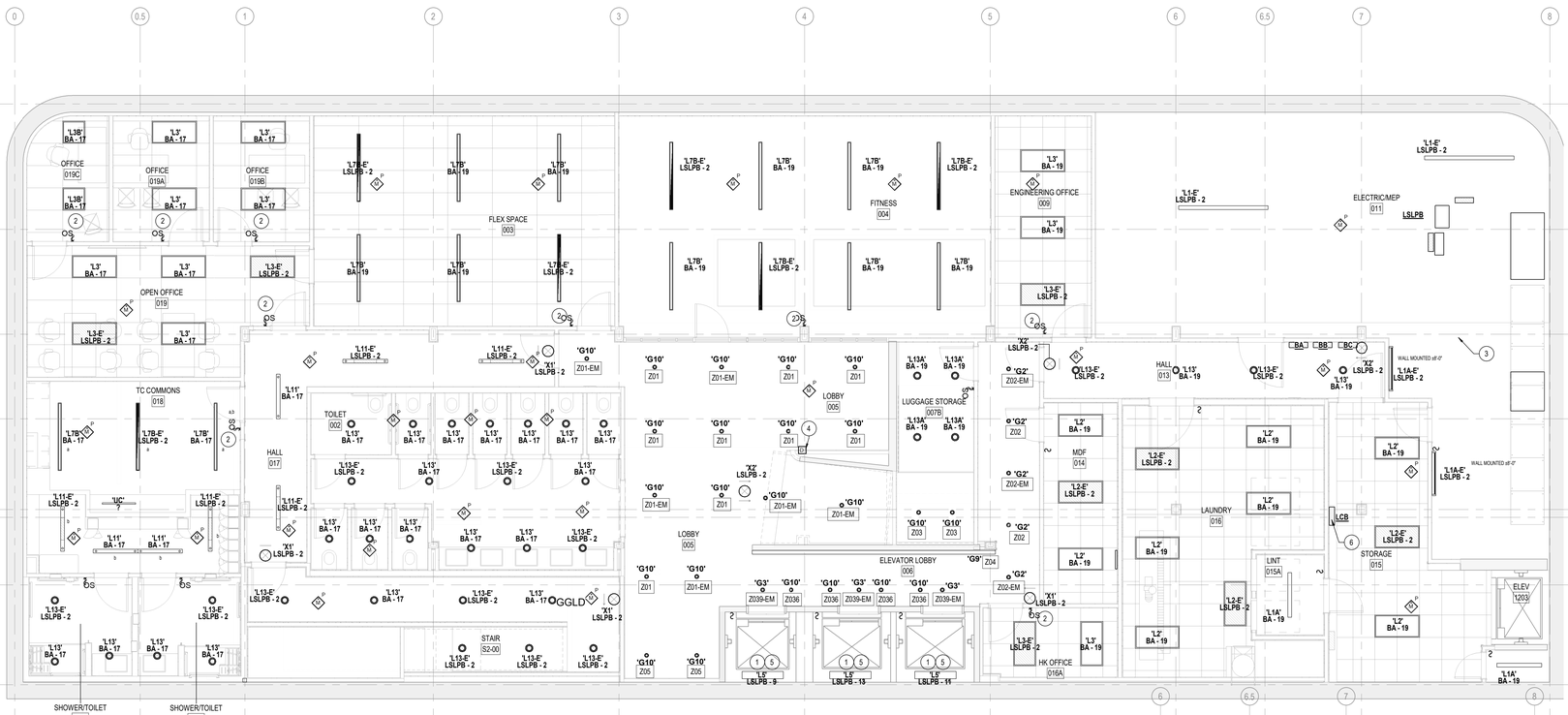
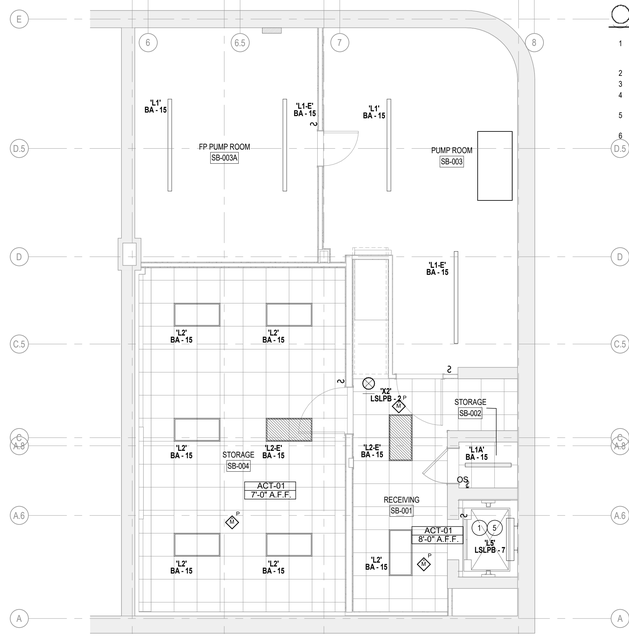


2 BASEMENT LEVEL LIGHTING PLAN

3/16" = 1'-0"



1 SUB-BASEMENT LIGHTING PLAN

3/16" = 1'-0"

SHEET PLAN NOTES

1. LOCATE LIGHT FIXTURE IN ELEVATOR PIT. PROVIDE 12 HOUR MECH TIMER SWITCH FOR LIGHT FIXTURE. FIELD COORDINATE EXACT LOCATION.
2. WALL OCCUPANCY SENSOR WITH DIMMER.
3. SUSPEND FIXTURE ON AIRCRAFT CABLE WHERE SPACE PROVIDES.
4. LIGHTING CONTROL STATION WITH MINIMUM 4 PRESET SCENES. COORDINATE FINAL PANEL LOCATION WITH ARCHITECT AND OWNER.
5. LIGHT FIXTURE ON DEDICATED CIRCUIT WIH OVERRIDE SWITCH PROVIDED FOR ELEVATOR HOISTWAY JAMB CONTROLLER.
6. LIGHTING CONTROL PANEL 'LCB'.

GENERAL SHEET NOTES

A. SEE SHEET E-000 FOR SYMBOLS AND ABBREVIATIONS.
B. REFER TO SHEETS E-501, EL501, EL502 FOR LIGHTING FIXTURE SCHEDULE.
C. SEE SHEETS E-502 THROUGH E-504 FOR PANEL SCHEDULES.
D. COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN AND INSTALLATION OF LIGHTS.
E. ALL MOUNTING HEIGHTS NOTED ON THE PLANS ARE TO THE BOTTOM OF THE FIXTURES UNLESS NOTED OTHERWISE.
F. LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA COVERAGE OF THE SPACE THEY ARE INSTALLED IN. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURER'S PRODUCT DATA TO DETERMINE COVERAGE. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.
G. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
I. LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR ON THE BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICES SERVES, THE BRANCH CIRCUIT IT CONTROLS AND THE DEVICE ADDRESS (IF APPLICABLE).
J. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE-RATED PARTITIONS, CABINET AND CASEWORK AND BUILT-IN DETAILS.
K. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
L. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
M. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
N. SEE LIGHTING DESIGNER DRAWINGS FOR CORRIDOR LIGHTING. CIRCUIT LIGHTING DIRECTLY TO LIFE SAFETY PANEL SERVING FLOOR.
O. LIGHTING ZONES DESIGNATED AS EGRESS (EM) ARE TO INCLUDE EMERGENCY TRANSFER RELAY WITH EMERGENCY CIRCUIT FROM LIFE SAFETY PANEL SERVING FLOOR (SEE LIFE SAFETY PANEL SCHEDULE FOR CIRCUIT). UPON LOSS OF NORMAL POWER, EGRESS LIGHTING ZONE IS TO GO TO 100% BRIGHTNESS REGARDLESS OF NORMAL POWER DIMMING SETTING.
P. SEE LIGHTING DESIGNER DRAWINGS FOR LIGHTING IN PUBLIC AREAS. CIRCUIT TO LIGHTING DIMMING PANEL SEE LIGHTING DESIGNER ZONE SCHEDULE FOR ZONES AND LOADS.
Q. LIGHT FIXTURES WITH SUFFIX 'E' DESIGNATOR TO INCLUDE EMERGENCY TRANSFER RELAY CONNECTED TO LIFE SAFETY CIRCUIT. UPON LOSS OF NORMAL POWER, EGRESS LIGHTING ZONE IS TO GO TO 100% BRIGHTNESS REGARDLESS OF NORMAL POWER DIMMING SETTING.
R. ALL "LT-PLT" LIGHT FIXTURE DESIGNATIONS ARE OWNER SUPPLIED, CONTRACTOR INSTALLED. REFER TO I.D. DRAWINGS FOR ADDITIONAL INFORMATION.
S. ALL "G" AND "XG" FIXTURES ARE ON LIGHTING CONSULTANT DRAWINGS, SHEETS EL501 AND EL502.

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SHEET ISSUE

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3	50% CD	01/24/2025
4	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
SUB BASEMENT AND BASMENT FLOOR LIGHTING PLAN

SHEET NUMBER
EL101

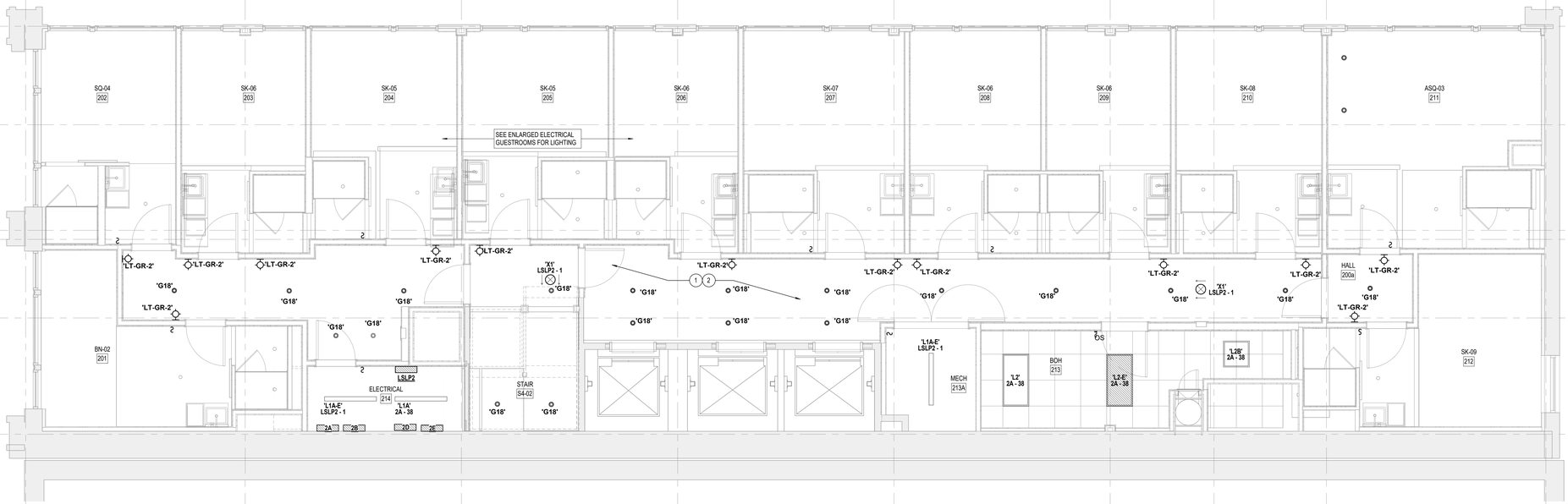
2/28/2025 4:18:30 PM

SHEET PLAN NOTES

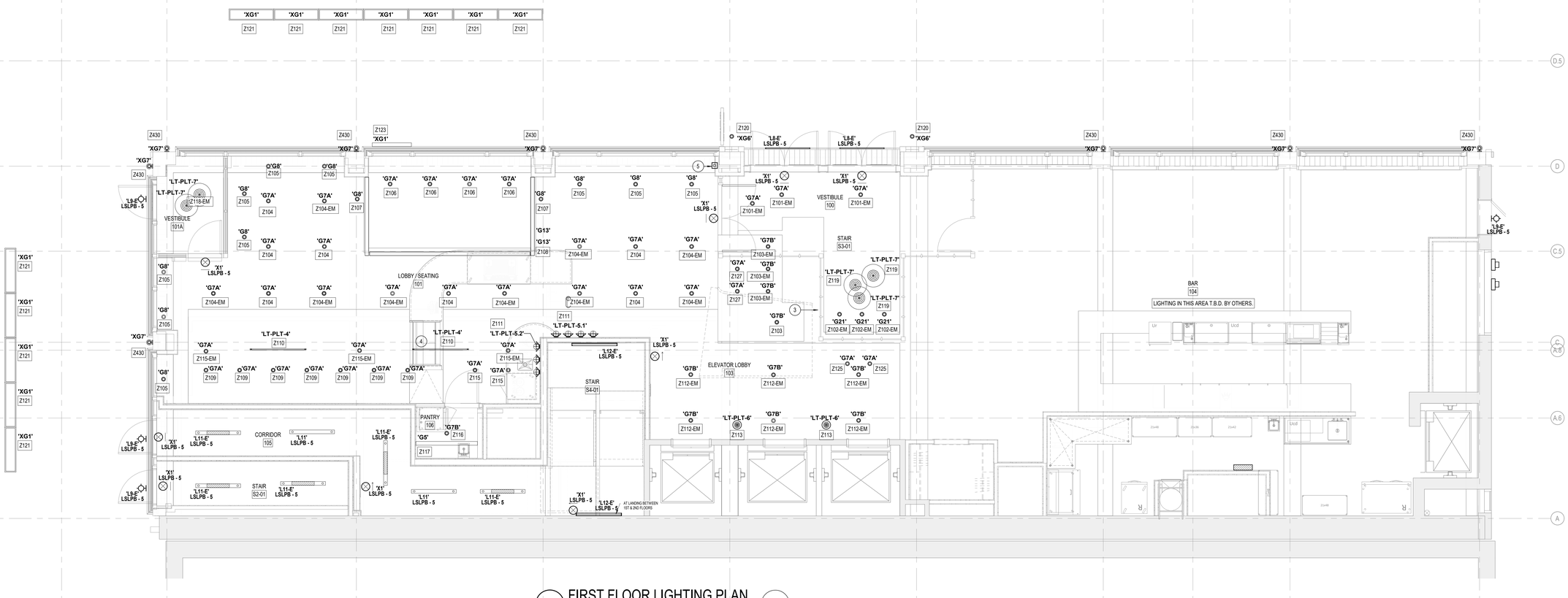
1. REFER TO INTERIOR DESIGN DRAWINGS FOR MOUNTING HEIGHT AND FINAL PLACEMENT OF DECORATIVE FIXTURES.
2. SEE LIGHTING DESIGNER DRAWINGS FOR CORRIDOR LIGHTING. CIRCUIT LIGHTING DIRECTLY TO LIFE SAFETY PANEL SERVING FLOOR.
3. ARCH LIGHT: SHELF LIGHT. SEE LIGHTING CONSULTANT DRAWINGS FOR DETAIL.
4. COORDINATE MOUNTING HEIGHT FOR DECORATIVE LIGHTING FIXTURES WITH ARCHITECT.
5. LIGHTING CONTROL STATION WITH MINIMUM 4 PRESET SCENES. COORDINATE FINAL PANEL LOCATION WITH ARCHITECT AND OWNER.

GENERAL SHEET NOTES

A. SEE SHEET E-000 FOR SYMBOLS AND ABBREVIATIONS.
B. REFER TO SHEETS E-501, EL501, EL502 FOR LIGHTING FIXTURE SCHEDULE.
C. SEE SHEETS E-502 THROUGH E-504 FOR PANEL SCHEDULES.
D. COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN AND INSTALLATION OF LIGHTS.
E. ALL MOUNTING HEIGHTS NOTED ON THE PLANS ARE TO THE BOTTOM OF THE FIXTURES UNLESS NOTED OTHERWISE.
F. LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA COVERAGE OF THE SPACE THEY ARE INSTALLED IN. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURER'S PRODUCT DATA TO DETERMINE COVERAGE. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.
G. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
I. LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR ON THE BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICES SERVES, THE BRANCH CIRCUIT IT CONTROLS AND THE DEVICE ADDRESS (IF APPLICABLE).
J. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE-RATED PARTITIONS, CABINET AND CASEWORK AND BUILT-IN DETAILS.
K. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
L. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
M. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
N. SEE LIGHTING DESIGNER DRAWINGS FOR CORRIDOR LIGHTING. CIRCUIT LIGHTING DIRECTLY TO LIFE SAFETY PANEL SERVING FLOOR.
O. LIGHTING ZONES DESIGNATED AS EGRESS (EM) ARE TO INCLUDE EMERGENCY TRANSFER RELAY WITH EMERGENCY CIRCUIT FROM LIFE SAFETY PANEL SERVING FLOOR (SEE LIFE SAFETY PANEL SCHEDULE FOR CIRCUIT). UPON LOSS OF NORMAL POWER, EGRESS LIGHTING ZONE IS TO GO TO 100% BRIGHTNESS REGARDLESS OF NORMAL POWER DIMMING SETTING.
P. SEE LIGHTING DESIGNER DRAWINGS FOR LIGHTING IN PUBLIC AREAS. CIRCUIT TO LIGHTING DIMMING PANEL SEE LIGHTING DESIGNER ZONE SCHEDULE FOR ZONES AND LOADS.
Q. LIGHT FIXTURES WITH SUFFIX 'E' DESIGNATOR TO INCLUDE EMERGENCY TRANSFER RELAY CONNECTED TO LIFE SAFETY CIRCUIT. UPON LOSS OF NORMAL POWER, EGRESS LIGHTING ZONE IS TO GO TO 100% BRIGHTNESS REGARDLESS OF NORMAL POWER DIMMING SETTING.
R. ALL "LT-PLT" LIGHT FIXTURE DESIGNATIONS ARE OWNER SUPPLIED, CONTRACTOR INSTALLED. REFER TO I.D. DRAWINGS FOR ADDITIONAL INFORMATION.
S. ALL "G" AND "XG" FIXTURES ARE ON LIGHTING CONSULTANT DRAWINGS, SHEETS EL501 AND EL502.



2 SECOND, FIFTH & EIGHTH FLOOR LIGHTING PLAN
1/4" = 1'-0"
0 2' 4' 8'



1 FIRST FLOOR LIGHTING PLAN
1/4" = 1'-0"
0 2' 4' 8'

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KING COLE BUILDING HOTEL

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	DD REISSUE	12/09/2024
4	50% CD	01/24/2025
5	100% CD	2/28/2025

CIRCLE DESIGN GROUP
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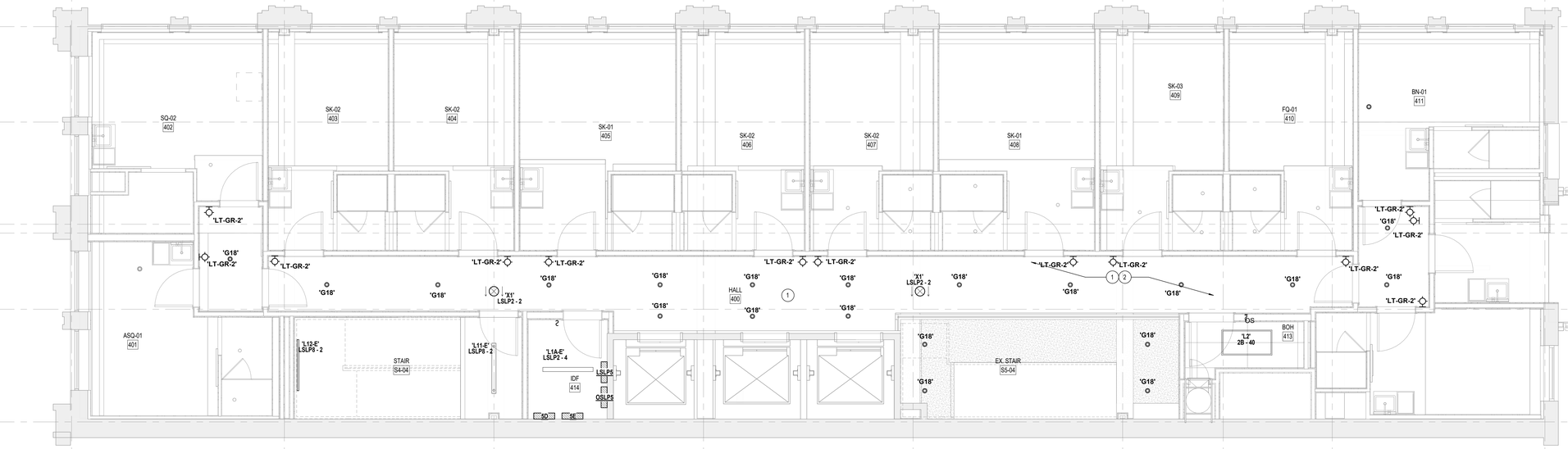
CDG PROJECT NO. 24085

SHEET TITLE
FIRST AND SECOND FLOOR LIGHTING PLAN

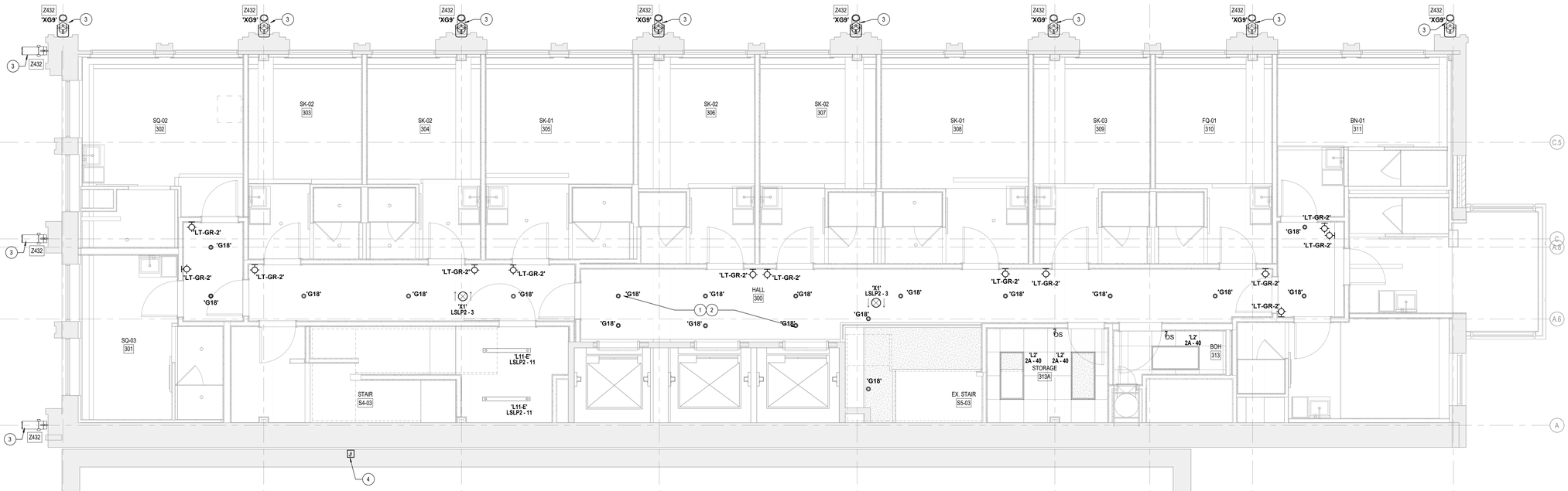
SHEET NUMBER
EL102



2 4TH,7TH & 10TH FLOOR LIGHTING PLAN

1/4" = 1'-0"

0 4' 8' 16'



1 3RD, 6TH, & 9TH FLOOR LIGHTING PLAN

1/4" = 1'-0"

0 4' 8' 16'

GENERAL SHEET NOTES

A. SEE SHEET E-000 FOR SYMBOLS AND ABBREVIATIONS.
B. REFER TO SHEETS E-501, EL501, EL502 FOR LIGHTING FIXTURE SCHEDULE.
C. SEE SHEETS E-502 THROUGH E-504 FOR PANEL SCHEDULES.
D. COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN AND INSTALLATION OF LIGHTS.
E. ALL MOUNTING HEIGHTS NOTED ON THE PLANS ARE TO THE BOTTOM OF THE FIXTURES UNLESS NOTED OTHERWISE.
F. LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA COVERAGE OF THE SPACE THEY ARE INSTALLED IN. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURER'S PRODUCT DATA TO DETERMINE COVERAGE. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.
G. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE INTERIOR DESIGNER.
I. LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR ON THE BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICES SERVES. THE BRANCH CIRCUIT IT CONTROLS AND THE DEVICE ADDRESS (IF APPLICABLE).
J. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE-RATED PARTITIONS, CABINET AND CASEWORK AND BUILT-IN DETAILS.
K. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
L. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
M. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
N. SEE LIGHTING DESIGNER DRAWINGS FOR CORRIDOR LIGHTING. CIRCUIT LIGHTING DIRECTLY TO LIFE SAFETY PANEL SERVING FLOOR.
O. LIGHTING ZONES DESIGNATED AS EGRESS (EM) ARE TO INCLUDE EMERGENCY TRANSFER RELAY WITH EMERGENCY CIRCUIT FROM LIFE SAFETY PANEL SERVING FLOOR (SEE LIFE SAFETY PANEL SCHEDULE FOR CIRCUIT). UPON LOSS OF NORMAL POWER, EGRESS LIGHTING ZONE IS TO GO TO 100% BRIGHTNESS REGARDLESS OF NORMAL POWER DIMMING SETTING.
P. SEE LIGHTING DESIGNER DRAWINGS FOR LIGHTING IN PUBLIC AREAS. CIRCUIT TO LIGHTING DIMMING PANEL SEE LIGHTING DESIGNER ZONE SCHEDULE FOR ZONES AND LOADS.
Q. LIGHT FIXTURES WITH SUFFIX 'E' DESIGNATOR TO INCLUDE EMERGENCY TRANSFER RELAY CONNECTED TO LIFE SAFETY CIRCUIT. UPON LOSS OF NORMAL POWER, EGRESS LIGHTING ZONE IS TO GO TO 100% BRIGHTNESS REGARDLESS OF NORMAL POWER DIMMING SETTING.
R. ALL "LT-PLT" LIGHT FIXTURE DESIGNATIONS ARE OWNER SUPPLIED, CONTRACTOR INSTALLED. REFER TO I.D. DRAWINGS FOR ADDITIONAL INFORMATION.
S. ALL "O" AND "XG" FIXTURES ARE ON LIGHTING CONSULTANT DRAWINGS, SHEETS EL501 AND EL502.

SHEET PLAN NOTES

1. REFER TO INTERIOR DESIGN DRAWINGS FOR MOUNTING HEIGHT AND FINAL PLACEMENT OF DECORATIVE FIXTURES.
2. SEE LIGHTING DESIGNER DRAWINGS FOR CORRIDOR LIGHTING. CIRCUIT LIGHTING DIRECTLY TO LIFE SAFETY PANEL SERVING FLOOR.
3. EXTERIOR WALL SCONCE ON FLOOR NINE ONLY. NOT TYPICAL FOR OTHER FLOORS. COORDINATE MOUNTING HEIGHT FOR DECORATIVE LIGHTING FIXTURES WITH LIGHTING DESIGNER DRAWINGS AND ARCHITECTURAL ELEVATIONS.
4. JUNCTION BOX ON EXTERIOR OF 9TH FLOOR LEVEL FOR "MOTTO" SIGNAGE CONNECTED TO BUILDING LIGHTING CONTROL SYSTEM. VERIFY EXACT LOCATION WITH ARCHITECT AND SIGNAGE MANUFACTURER.

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CIRCLE DESIGN GROUP
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CDG PROJECT NO. 24085

SHEET TITLE
THIRD THROUGH TENTH FLOOR LIGHTING PLAN

SHEET NUMBER
EL103

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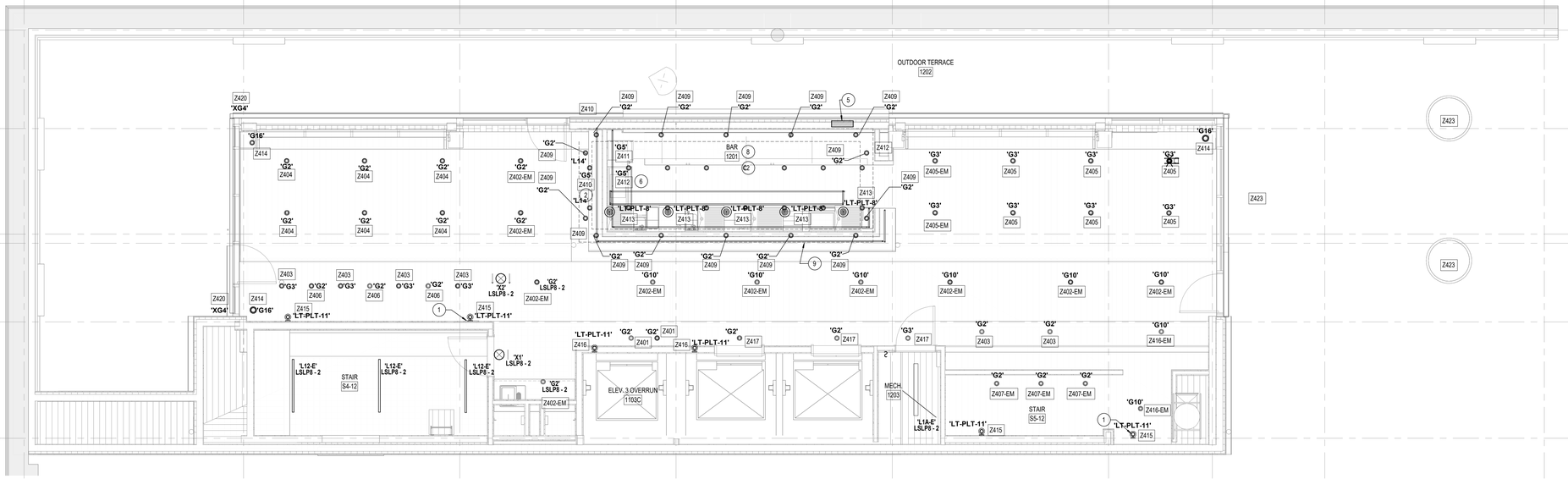
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TO BELOW
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GGLD PASSION YOU CAN SEE

LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
LOCATION: BASEMENT							
Z01	BASEMENT STAIR / ENTRY	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
Z02	BASEMENT CORRIDOR TO RESTROOMS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	5	80
Z03	ADJUSTABLE DOWNLIGHTS AT BASEMENT STAIR FOR ART WALL	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z04	ELEVATOR ART WALL	G9	RECESSED 3.2" APERATURE 687LM/FT 2700K LED PERIMETER WASH LINEAR WITH CUSTOM IN-FILL PANELS NO. 1TS DIMMING DRIVER, WHITE FINISH	0-10	10	22	220
Z05	COAT ROOM	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z06	CEILING COVES	G12	SURFACE MOUNTED LINEAR 395LM 2700K LED COVE LIGHT WITH 0-10V DIMMING DRIVER	0-10	5.9	226	1,333
Z07	DOWNLIGHTS AT BAR TABLES	G1	RECESSED 4.5" APERTURE 1228LM 2700K LED 15° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	5	80
		G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-11	20	2	40
Z08	BAR CIRCULATION	G6	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	3	48
Z09	BAR TOP DOWNLIGHT	G6	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	5	80
Z010	BOTTLE FRONT LIGHT	G4	RECESSED 4.5" APERTURE 1228LM 2700K LED 45° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	3	48
Z011	BARTENDER TASK LIGHT	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	21	92
Z012	BAR BOTTLE SHELVES	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	58	255
Z013	DECORATIVE PENDANTS	LT-PLT-2	DECORATIVE PENDANTS AT BAR	FORWARD PHASE	TBD	3	TBD
Z014	DOWNLIGHTS AT DINING TABLES	G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48

1

GGLD PASSION YOU CAN SEE

LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
Z015	BAR FASCIA LIGHT	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	27	119
Z016	WALL WASH AT FIREPLACE	G9	RECESSED 3.2" APERATURE 687LM/FT 2700K LED PERIMETER WASH LINEAR WITH CUSTOM IN-FILL PANELS NO. 1TS DIMMING DRIVER, WHITE FINISH	0-10	10	44	440
Z017	WINE RACK	G11	SURFACE MOUNTED 10X30 DEGREE 338LM/FT 2700K LED LINEAR DIRECT WITH RADIAL LOUVERS AND 0-10 DIMMING , BLACK FINISH	0-10	2	32	64
Z018	DOWNLIGHTS AT WINE RACK CORRIDOR	G6	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	2	32
Z019	MAIN DINING ROOM CIRCULATION	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
Z020	MAIN DINING TABLE DOWNLIGHTS	G1	RECESSED 4.5" APERTURE 1228LM 2700K LED 15° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	17	272
Z021	MAIN DINING CIRCULATION DOWNLIGHTS	G6	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	4	64
Z022	BANQUETTE TABLE DOWNLIGHTS	G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	4	64
Z023	LED UPLIGHT BACK OF BANQUETTE	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	32	141
Z024	PRIVATE DINING DOWNLIGHTS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
Z025	PRIVATE DINING TABLE DOWNLIGHTS	G1	RECESSED 4.5" APERTURE 1228LM 2700K LED 15° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	0-10	16	2	32
Z026	PRIVATE DINING DECORATIVE	LT-PLT-1	PRIVATE DINING DECORATIVE	FORWARD PHASE	TBD	1	TBD
Z027	DOWNLIGHTS WAITER STATION/CORRIDOR	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	5	80
Z030	NOT USED						
Z035	BASEMENT WAITER STATION	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	6	26
Z036	RESTROOM CORRIDOR ARTWORK	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	4	64

2

GGLD PASSION YOU CAN SEE

LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
Z037	SHELF LIGHTING BACK CORRIDOR WAITOR STATION	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	10	44
Z038	WINE RACK SPOT LIGHTS	G15	RECESSED 2" APERATURE 950LM 2700K LED DOWNLIGHT, REMOTE 0-10V DIMMING DRIVER, BLACK ALZAK REFLECTOR/ SATIN ALUMINUM FLANGE	0-10	13	12	156
Z039	ELEVATOR DOWNLIGHTS	G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
						TOTAL LOAD	4,323
(1) 5 BUTTON RAISE/LOWER CONTROL STATION							
LOCATION: BASEMENT RESTROOMS							
Z029	RESTROOM DOWNLIGHTS AT SINKS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
Z031	RESTROOM DOWNLIGHTS AT STALLS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	9	144
Z033	DECORATIVE SCONCES	LT-PLT-12	DECORATIVE SCONCES AT RESTROOM	FORWARD PHASE	TBD	2	TBD
Z040	RESTROOM DOWNLIGHTS	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
						TOTAL LOAD	288
(1) 3 BUTTON RAISE/LOWER CONTROL STATION AND OCCUPANCY SENSOR							
LOCATION: BASEMENT ADA RESTROOM							
Z028	DECORATIVE SCONCES	LT-PLT-3	DECORATIVE SCONCES AT RESTROOM	FORWARD PHASE	TBD	2	TBD
Z032	RESTROOM DOWNLIGHTS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
						TOTAL LOAD	32
(1) 3 BUTTON RAISE/LOWER CONTROL STATION, OCCUPANCY SENSOR							
LOCATION: BASEMENT SPEAKEASY							
Z034	SPEAKEASY INTERNALLY LIT BAR TOP	G23	SURFACE MOUNTED 500LM 2700K LED LIGHT SHEET, 0-10V DIMMING DRIVER	0-10	2.8	22	62
Z041	SPEAKEASY LINEAR SHAPES	G22	SURFACE MOUNTED 236LM/FT RGBW + AMBER LED STRIP, DMX 1TS DIMMING DRIVER, SUPPLY WITH W21-FROSTED CHANNEL, SUPPLY WITH DMX CONTROLLER	DMX	4.4	102	449
Z042	NOT USED						

3

GGLD PASSION YOU CAN SEE

LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
Z043	SPEAKEASY BOTTLE BAR LED STRIP	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	24	106
Z044	SPEAKEASY LIGHT BULB PENDANTS	LT-PLT-10	SPEAKEASY LIGHT BULB PENDANTS	FORWARD PHASE	TBD	75	TBD
						TOTAL LOAD	616
(1) 5 BUTTON RAISE/LOWER CONTROL STATION							
LOCATION: LEVEL 1							
Z101	MAIN ENTRY VESTIBULE	G7A	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
Z102	ENTRY STAIRWELL ART WALL WASH	G21	RECESSED 4" APERATURE 877 LUMEN WALL WASH WITH 0-10V DIMMING, WHITE FINISH	0-10	16	3	48
Z103	RECEPTION ADJUSTABLE DOWNLIGHTS	G7B	RECESSED 4.5" APERTURE 1228LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	4	64
Z104	CIRCULATION DOWNLIGHTS	G7A	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	14	224
Z105	DOWNLIGHTS AT WINDOWS	G8	RECESSED 4.5" APERTURE 1228LM 2700K LED 25° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	10	160
Z106	DOWNLIGHTS AT COUNTER	G7A	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	4	64
Z107	DOWNLIGHTS AT MENU BOARDS	G8	RECESSED 4.5" APERTURE 1228LM 2700K LED 25° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z108	CAFÉ CUSTOM LINEAR SHAPE	G13	RECESSED 2" APERTURE 632LM/FT 2700K LED LINEAR DIRECT CUSTOM SHAPE WITH 90° ANGLES, 0-10V DIMMING DRIVER	0-10	8	35	280
Z109	HAT WALL LINEAR	G19	RECESSED TRIMLESS 2" APERATURE 680 LM/FT 2700K LED LINEAR WALL WASH, WITH 0-10V DIMMING DRIVER	0-10	9.5	18	171
Z110	LINEAR ABOVE DINING TABLES	LT-PLT-4	LINEAR ABOVE DINING TABLES	TRIAC	TBD	2	TBD
Z111	DECORATIVE PLANT LIGHTS	LT-PLT-5.1	DECORATIVE PLANT LIGHTS	FORWARD PHASE	TBD	4	TBD
		LT-PLT-5.2	DECORATIVE PLANT LIGHTS	FORWARD PHASE	TBD	3	TBD
Z112	ELEVATOR DOWNLIGHTS	G7B	RECESSED 4.5" APERTURE 1228LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
Z113	ELEVATOR DECORATIVES	LT-PLT-6	ELEVATOR DECORATIVES	TBD	TBD	2	TBD
Z114	NOT USED						

4

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LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
Z1115	ART WALL DOWNLIGHTS	G7A	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	5	80
Z116	RESTROOM	G7B	RECESSED 4.5" APERTURE 1228LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	1	16
Z117	RESTROOM	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	6	26
Z118	LEVEL 1 ENTRY	G8	RECESSED 4.5" APERTURE 1228LM 2700K LED 25° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z119	LEVEL 1 STAIRWELL DECORATIVE	LT-PLT-7	LEVEL 1 STAIRWELL DECORATIVE	TBD	TBD	3	TBD
Z124	NOT USED						
Z125	LEVEL 1 FRUIT BOWL + WATER STAND	G7A	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z126	NOT USED						
Z127	LEVEL 1 RECEPTION DOWNLIGHTS	G7A	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
						TOTAL LOAD	1,405
(1) 5 BUTTON RAISE/LOWER CONTROL STATION							
LOCATION: LEVEL 1 EXTERIOR							
Z120	INGRADES AT MAIN ENTRY	XG6	INGROUND 18° 1397LM 3000K LED UPLIGHT, BRONZE FINISH	0-10	14	2	28
Z121	NOT USED						
Z122	NOT USED						
Z123	LED STRIP UNDER SERVING WINDOW COUNTER	XG1	SURFACE MOUNTED OUTDOOR 205LM 2700K LED STRIP WITH CHANNEL, FROSTED LENS, REMOTE 0-10V DIMMING DRIVER	0-10	3	4	12
						TOTAL LOAD	40
(1) 5 BUTTON RAISE/LOWER CONTROL STATION							
LOCATION: LEVEL 11 RESTROOMS							
Z1106	RESTROOM DOWNLIGHTS IN STALLS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	8	128
Z1102	RESTROOM SCONCES	LT-PLT-09	RESTROOM SCONCES	FORWARD PHASE	TBD	5	TBD

5

GGLD PASSION YOU CAN SEE

LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
Z1103	RESTROOM DOWNLIGHTS	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
Z1104	NOT USED						
						TOTAL LOAD	224
(1) 3 BUTTON RAISE/LOWER CONTROL STATION AND OCCUPANCY SENSOR							
LOCATION: LEVEL 11 FITNESS							
Z1101	FITNESS DOWNLIGHTS	G20	RECESSED 4.5" APERTURE 1228LM 3000K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z1105	FITNESS LINEARS	G14	RECESSED 2" APERATURE 750LM/FT 3000K LED LINEAR DIRECT, 0-10V DIMMING DRIVER, WHITE FINISH	0-10	8	40	320
						TOTAL LOAD	352
(1) 3 BUTTON RAISE/LOWER CONTROL STATION							
LOCATION: ROOFTOP BAR							
Z401	ELEVATOR ARTWORK DOWNLIGHTS	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z402	CIRCULATION	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	9	144
Z403	OVER BOOTH SEATING	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	2	32
Z404	LOUNGE 1	G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
Z405	LOUNGE 2	G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	6	96
Z406	ART LIGHTING	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
Z407	ART LIGHT AT STAIR WALL	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
Z408	BEHIND BAR DOWNLIGHTS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
Z409	BARTOP DOWNLIGHTS	G2	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	14	224

6

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LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
Z410	BAR FASCIA	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	34	150
Z411	INNER BAR WORK LIGHT	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	29	128
Z412	HANGING BAR BOTTLE RACK	G5	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	0-10	4.4	172	757
Z413	BAR DECORATIVE PENDANTS	LT-PLT-8	BAR DECORATIVE PENDANTS	FORWARD PHASE	TBD	6	TBD
Z414	INGRADES AT FRAME	G16	WECESSED INGRADE 900LM 2700K LED SPOT LIGHT, WITH REMOTE 0-10V DIMMING DRIVER. BLACK FINISH	0-10	9	3	27
Z415	SCONCES AT BOOTH SEATING/ELEVATOR WALL/STAIR WALL	LT-PLT-11	SCONCES AT BOOTH SEATING/ELEVATOR WALL/STAIR WALL	FORWARD PHASE	TBD	6	TBD
Z416	STAIR/SOFFIT/CORRIDOR CIRCULATION	G10	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
Z417	ELEVATOR DOWNLIGHTS	G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
Z422	OVER BOOTH SEATING	G3	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	0-10	16	3	48
						TOTAL LOAD	1,973
(1) 5 BUTTON RAISE/LOWER CONTROL STATION							
LOCATION: ROOFTOP EXTERIOR							
Z420	PERIMETER LIGHT AROUND TOP OF ROOFTOP PRAWWE	XG4	SURFACE MOUNTED 315LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS, REMOTE 0-10V DIMMING DRIVER AND IP 65 RATED	0-10	3	110	330
Z421	PERIMETER LIGHT AT FLOOR ROOFTOP DECK	XG3	SURFACE MOUNTED OUTDOOR 168LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS, REMOTE 0-10V DIMMING DRIVER	0-10	3	225	675
Z423	FIRE PIT LED STRIP	XG5	SURFACE MOUNTED OUTDOOR 168LM 2400K LED STRIP, REMOTE 0-10V DIMMING DRIVER	0-10	3	36	108
Z424	NOT USED						
						TOTAL LOAD	1,113
(1) 5 BUTTON RAISE/LOWER CONTROL STATION							
LOCATION: EXTERIOR FAÇADE							
Z430	LOWER LEVEL FACADE SCONCES	XG7	WALL MOUNTED 518LM 3000K INDIRECT/DIRECT SCONCE, 0-10V DIMMING DRIVER, FINISH TBD	0-10	5.8	6	35
Z431	NOT USED						

7

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LOAD SCHEDULE
KING COLE

2021.11.16

ZONE NO.	ZONE DESCRIPTION	FIXTURE TYPE	FIXTURE DESCRIPTION	LOAD TYPE	INPUT WATTAGE	Qty	TOTAL LOAD
Z432	TOP LEVEL FACADE FLOOD LIGHTS	XG9	FACADE MOUNTED 1656LM 3000K 32°FLOOD LIGHT, 0-10V DIMMING DRIVER, SOFT BEAM LENS AND SHELF, SANDSTONE GRAY FINISH	0-10	23	8	184
						TOTAL LOAD	219
(1) 3 BUTTON RAISE/LOWER CONTROL STATION							

PROJECT LOAD: 10,265

NOTES:

1. BASEMENT, BASEMENT SPEAKEASY, LEVEL 1 AND LEVEL 1 EXTERIOR LOADS ARE TO BE SERVED FROM LIGHTING CONTROL PANEL 'LCB'.
2. ROOFTOP BAR, ROOFTOP EXTERIOR AND EXTERIOR FACADE LOADS ARE TO BE SERVED FROM LIGHTING CONTROL PANEL 'LC11'.

8

FOR REFERENCE ONLY

2/28/2025 4:19:41 PM

KING COLE BUILDING HOTEL

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SEAL | DATE

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	100% CD	2/28/2025

CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
LIGHTING LOAD SCHEDULES

SHEET NUMBER
EL501

GGLD PASSION you can see

FIXTURE SCHEDULE
KING COLE MOTTO HOTEL
INDIANAPOLIS, IN

2021.11.18

TYPE	MANUFACTURER	CATALOG NO.	LAMP	DRIVER	DESCRIPTION	INPUT WATTS	REMARKS
G1	USAI	B4RA-F-40-16C3-27KH-T15-S-BL-BL-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 15° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	16W	*CONTRACTOR TO COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G2	USAI	B4RA-F-40-16C3-27KH-T30-S-WH-WH-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	16W	*CONTRACTOR TO COORDINATEMOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G3	USAI	B4RA-F-40-16C3-27KH-T20-S-WH-WH-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 20° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	16W	*CONTRACTOR TO COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G4	USAI	B4RA-F-40-16C3-27KH-T45-S-BL-BL-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 45° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	16W	*CONTRACTOR TO COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G5	TIVOLI	TPLD-HO-4-24-24/MOSR-CHAN-SLV-6.5/MOSR-UNS-OP-6.5/ADJUL-WATTS(0-10V DIMMING DRIVER)	2400K LED	0-10V	SURFACE MOUNTED 383LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS AND REMOTE 0-10V DIMMING DRIVER	4.4W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G6	USAI	B4RA-F-40-16C3-27KH-T30-S-BL-BL-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, BLACK FINISH	16W	*CONTRACTOR TO COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G7A	USAI	B4RA-F-40-16C3-27KH-T30-S-WH-WH-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 30° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	16W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G7B	USAI	B4RA-F-40-16C3-27KH-T50-S-WH-WH-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	16W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS

GGLD PASSION you can see

FIXTURE SCHEDULE
KING COLE MOTTO HOTEL
INDIANAPOLIS, IN

2021.11.18

TYPE	MANUFACTURER	CATALOG NO.	LAMP	DRIVER	DESCRIPTION	INPUT WATTS	REMARKS
G8	USAI	B4RA-F-40-16C3-27KH-T25-S-WH-WH-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 2700K LED 25° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	16W	*CONTRACTOR TO COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G9	WHITE GOODS/INTERLUX	WG-RPT-S-LENGTH"-H-927-L3DOE-PX-SD-W-LREC*	2700K LED	0-10V	RECESSED 3.2" APERATURE 687LM/FT 2700K LED PERIMETER WASH LINEAR WITH CUSTOM IN-FILL PANELS ND .1% DIMMING DRIVER, WHITE FINISH	10W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS AND IN FIELD DIMENSIONS
G10	USAI	B4RA-F-40-16C3-27KH-T50-S-WH-WH-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4.5" APERTURE 1575LM 2700K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	16W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G11	LUMENPULSE	LOGNR-2W-48V-LENGTH"-27K-10X30-CL-SAMN-BK-UCTL-UL/LOGNRD	2700K LED	0-10V	SURFACE MOUNTED 10X30 DEGREE 358LM/FT 2700K LED LINEAR DIRECT WITH RADIAL LOUVERS AND 0-10 DIMMING , BLACK FINISH	2W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH MILLWORK DETAILS AND SHOP DRAWINGS FOR WINE RACK
G12	ECOSENSE	SCD-HL-LENGTH-27-MULT / SCD-DCM-120-277-010VDWH-[FIXTURE]/ LENGTH" KEC-AHSG-* 90 DEGREE CORNERS (KNIFE EDGE COVE)	2700K LED	0-10V	KNIFE EDGE COVE MOUNTED 715LM 2700K LED LINEAR WITH 0-10V DIMMING DRIVER OPTION/ 90 DEGREE CORNERS	5.9W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G13	PRUDENTIAL	BPRO2-REC-FLSH-LED27-SO-LENGTH"-TMW-SAL-LP-SC-UNV-XX-SOLO-C.ST (SEE DRAWING FOR CUSTOM CONFIG.)	2700K LED	0-10V	RECESSED 2" APERTURE 632LM/FT 2700K LED LINEAR DIRECT CUSTOM SHAPE WITH 90° ANGLES, 0-10V DIMMING DRIVER	8W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G14	PRUDENTIAL	BPRO2-REC-FLSH-LED30-SO-LENGTH"-TMW-BTW-LP-SC-UNV-MOUNTING GRID*-DM01	3000K LED	0-10V	RECESSED 2" APERATURE 750LM/FT 3000K LED LINEAR DIRECT, 0-10V DIMMING DRIVER, WHITE FINISH	8W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G15	CREATIVE SYSTEMS LIGHTING	EDLM-RM-07-4LR1-EDLM-30-OPTIC-3 (HOUSING & REMOTE DRIVER) / EDLM-1003-3 (TRIM)	2700K LED	0-10V	RECESSED 2" APERATURE 950LM 2700K LED DOWNLIGHT, REMOTE 0-10V DIMMING DRIVER, BLACK ALZAK REFLECTOR/ SATIN ALUMINUM FLANGE	13W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING WITH MILLWORK DETAILS AND SHOP DRAWINGS FOR WINE RACK, MUST SUPPLY ACCESSABLE LOCATION FOR REMOTE 0-10V DRIVER FOR FIXTURES
G16	TARGETTI	JU-R-SP-L1-27-24-BK-LV-INSTALLATION*-DEDD10010	2700K LED	0-10V	RECESSED INGRADE 900LM 2700K LED SPOT LIGHT, WITH REMOTE 0-10V DIMMING DRIVER, BLACK FINISH	9W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS, CONTRACTOR TO FIND ACCESSIBLE LOCATION FOR REMOTE 0-10 VOLT DIMMING DRIVER

GGLD PASSION you can see

FIXTURE SCHEDULE
KING COLE MOTTO HOTEL
INDIANAPOLIS, IN

2021.11.18

TYPE	MANUFACTURER	CATALOG NO.	LAMP	DRIVER	DESCRIPTION	INPUT WATTS	REMARKS
G17	USAI	P3RDF-1SL2-27KH-F-WH-EC-UNV-D21	2700K LED	FORWARD /REVERSE PHASE	RECESSED 3" APERATURE 1000 LM 2700K LED DOWNLIGHT WITH FORWARD/REVERSE PHASE DIMMING, WHITE FINISH	15W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G18	USAI	P3RDF-1SL2-27KH-F-WH-EC-UNV-D22	2700K LED	0-10V	RECESSED 3" APERATURE 1000 LM 2700K LED DOWNLIGHT WITH 0-10V DIMMING, WHITE FINISH	15W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G19	PRUDENTIAL	P23-FLSH-LED27-SO-LENGTH"-TMW-MWW-D1W-SC-UNV-XX-SOLO	2700K LED	0-10V	RECESSED TRIMLESS 2" APERATURE 680 LM/FT 2700K LED LINEAR WALL WASH, WITH 0-10V DIMMING DRIVER	9.5W/FT	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G20	USAI	B4RA-F-40-16C3-30KH-T50-S-WH-WH-NC-UNV-D6E	3000K LED	0-10V	RECESSED 4.5" APERTURE 1228LM 3000K LED 50° BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS, WHITE FINISH	16W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G21	USAI	B4RWF-16C3-27KH-W1-D1-WH-WH-NC-UNV-D6B	2700K LED	0-10V	RECESSED 4" APERATURE 877 LUMEN WALL WASH WITH 0-10V DIMMING, WHITE FINISH	16W	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G22	GENLED ACOLYTE	RB-0-RGBWA20-4.4RGBA/ PROVIDE WITH W31 - F CHANNEL WITH FROSTED LENS / SUPPLY WITH DMX CONTROLLER	RGB+AMBER	DMX	SURFACE MOUNTED 236LM/FT RGBW + AMBER LED STRIP, DMX 1% DIMMING DRIVER, SUPPLY WITH W31- FROSTED CHANNEL, SUPPLY WITH DMX CONTROLLER	4.4W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
G23	HEILUX	LUMAFILM LED LIGHT SHEET/ WL1202404-27-500	2700K LED	0-10V	SURFACE MOUNTED 500LM 2700K LED LIGHT SHEET, 0-10V DIMMING DRIVER	2.8W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
XG1	TIVOLI	TPLD-SB-IO27-24/MOSR-CHAN-SLV-6.5/MOSR-UNS-OP-6.5/ADNM-0-10V DIMMING	2700K LED	0-10V	SURFACE MOUNTED OUTDOOR 205LM 2700K LED STRIP WITH CHANNEL, FROSTED LENS, REMOTE 0-10V DIMMING DRIVER	3W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS, LOCATE REMOTE DRIVER IN ACCESSIBLE LOCATION
XG2	NOT USED						
XG3	TIVOLI	TPLD-SB-IO24-24/MOSR-CHAN-SLV-6.5/MOSR-UNS-OP-6.5/ADNM-0-10V DIMMING	2400K LED	0-10V	SURFACE MOUNTED OUTDOOR 168LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS, REMOTE 0-10V DIMMING DRIVER	3W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS

GGLD PASSION you can see

FIXTURE SCHEDULE
KING COLE MOTTO HOTEL
INDIANAPOLIS, IN

2021.11.18

TYPE	MANUFACTURER	CATALOG NO.	LAMP	DRIVER	DESCRIPTION	INPUT WATTS	REMARKS
XG4	TIVOLI	TPLD-HO-4-24-24/MOSR-CHAN-SLV-6.5-MOSR-UNS-OPL-6.5/SUPPLY AS IP65 RATED/ADJUL-WATTS(0-10V DIMMING DRIVER)	2400K LED	0-10V	SURFACE MOUNTED 315LM 2400K LED STRIP WITH CHANNEL, FROSTED LENS, REMOTE 0-10V DIMMING DRIVER AND IP 65 RATED	3W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
XG5	TIVOLI	TPLD-SB-O-24-24/ADJUL-WATTS(0-10V DIMMING DRIVER) - (NOT FIELD CUTTABLE)	2400K LED	0-10V	SURFACE MOUNTED OUTDOOR 168LM 2400K LED STRIP, REMOTE 0-10V DIMMING DRIVER	3W/FT	*CONTRACTOR TO COORDINATE FIXTURE LENGTHS AND MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
XG6	TARGETTI	KPLM-41-HE-FL-L2-30-1DU2525BA-1DU252*(CONTRACTOR TO CONFIRM INSTALLATION SLEEVE METHOD)/1DU2530	3000K LED	0-10V	INGROUND 18° 1397LM 3000K LED UPLIGHT, BRONZE FINISH	14W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
XG7	BEGA	33341+K30+FINISH TBD	3000K LED	0-10V	WALL MOUNTED 518LM 3000K INDIRECT/DIRECT SCONCE, 0-10V DIMMING DRIVER, FINISH TBD	5.8W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS
XG8	NOT USED						
XG9	TARGETTI	KPF-C-41-SC-L1-FL-30/1E28545G/1E28555G	3000K LED	0-10V	FAÇADE MOUNTED 1656LM 3000K 52°FLOOD LIGHT, 0-10V DIMMING DRIVER, SOFT BEAM LENS AND SHEILF, SANDSTONE GRAY FINISH	23W	*CONTRACTOR TO COORDINATE FIXTURE MOUNTING DETAILS WITH ARCHITECTURAL DRAWINGS

General Notes

1. See Fixture Cut Sheet for fixture size information
2. Contractor to provide all parts and hardware necessary for a complete installation.
3. Contractor to provide spare lamps in the quantity of 10% of fixture quantity or no less than (2) lamps.
4. Architect to approve all fixture ceiling types and finishes

FOR REFERENCE ONLY

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KING COLE BUILDING HOTEL

1 N. Meridian
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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	100% CD	2/28/2025

CIRCLE DESIGN GROUP
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CDG PROJECT NO. 24085

SHEET TITLE
LIGHTING FIXTURE SCHEDULES

SHEET NUMBER
EL502

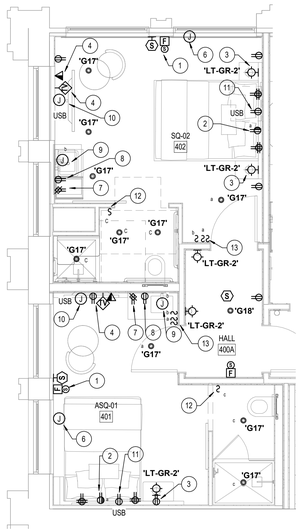
GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. COORDINATE DEVICE LOCATIONS AND HEIGHT WITH ARCHITECTURAL AND I.D. DRAWINGS.
C. RECEPTACLE OUTLETS USED FOR LIGHT FIXTURES ARE TO BE SWITCHED BY MASTER SWITCH.
D. THE FOLLOWING ROOMS ARE DESIGNATED AS HEARING ACCESSIBLE HEARING IMPAIRED ROOMS AND ARE TO RECEIVE STROBES AND DOOR ANNUNCIATION SYSTEM SHOWN ON MODEL ROOM PLANS:
   - ROOM 201, TYPE BN-02
   - ROOM 301, TYPE SQ-03
   - ROOM 401, TYPE ASQ-1
   - ROOM 501, TYPE ASQ-2
   - ROOM 601, TYPE ASQ-2
   - ROOM 701, TYPE ASQ-1
   - ROOM 801, TYPE ASQ-2
   - ROOM 901, TYPE ASQ-2
   - ROOM 1001, TYPE ASQ-2

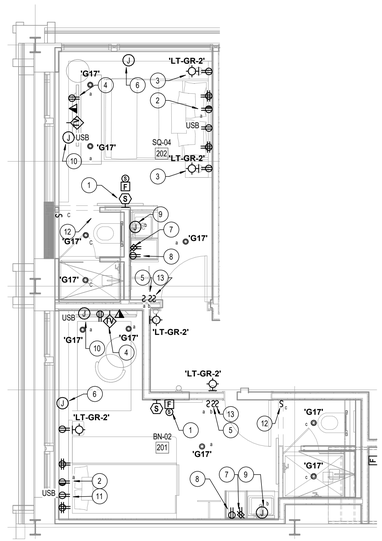
   COORDINATE AND LOCATE ADA ROOMS WITH ARCHITECT.
E. WHERE LIGHT SWITCHES ARE SHOWN IN CLOSE PROXIMITY INSTALL IN MULTIGANG BACK BOX WITH SINGLE MULTIGANG COVER PLATE.
F. COVER PLATES IN GUEST ROOM ARE TO BE SCREWLESS COVER PLATES.

SHEET PLAN NOTES

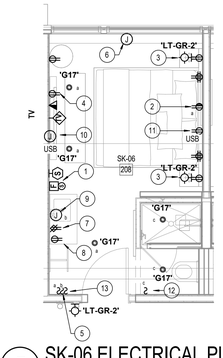
1 IN ACCESSIBLE/HEARING IMPAIRED ROOMS DEVICE IS TO BE COMBINATION SPEAKER/STROBE. OTHER ROOMS DEVICE IS SPEAKER ONLY.
2 LED LIGHTING AT TOP OF HEADBOARD TO BE PLUGGED IN AND SWITCHED TO FOYER LIGHTING.
3 OTHER INTEGRATED HEADBOARD LIGHTING TO BE PLUG IN WITH SWITCH ON FIXTURE.
4 VERIFY EXACT LOCATION AND HEIGHT OF TV RECEPTACLE AND CABLE OUTLET WITH ARCHITECTURAL DRAWINGS.
5 LIGHT SWITCH FOR LIGHTED MIRROR.
6 PROVIDE POWER TO MOTORIZED SHADES.
7 MOUNT GFI RECEPTACLE HORIZONTALLY +40" AFF TO CENTER OF DEVICE.
8 DUPLEX RECEPTACLE FOR UNDER CABINET REFRIGERATOR AND SAFE.
9 JUNCTION BOX FOR LIGHTED MIRROR. COORDINATE EXACT LOCATION AND HEIGHT WITH ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS.
10 SHELF BELOW TV/S TO BE HARDWIRED FOR INTEGRATED POWER AND USB.
11 HEADBOARD TO PLUG INTO WALL USB OUTLET FOR INTEGRATED USB.
12 LIGHT SWITCH FOR DOWNLIGHT IN SHOWER AND BATHROOM.
13 MASTER SWITCH TO TURN OFF ALL LIGHTS IN GUEST ROOM EXCEPT FOR BATHROOM/SHOWER.



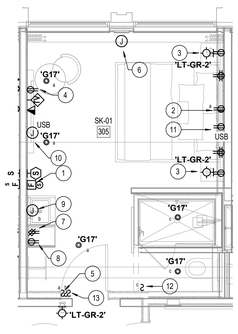
8 SQ-02 & ASQ-01 ELECTRCIAL PLAN
1/4" = 1'-0"



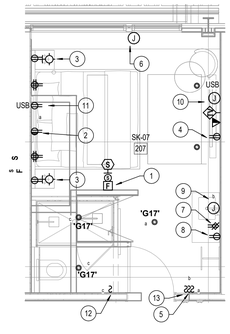
2 SQ-04 & BN-02 ELECTRICAL PLAN
1/4" = 1'-0"



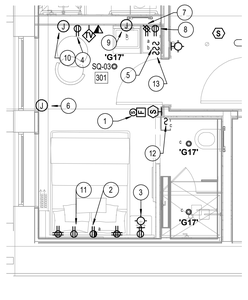
7 SK-06 ELECTRICAL PLAN
1/4" = 1'-0"



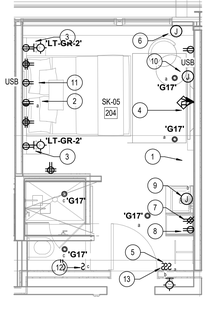
5 SK-01R ELECTRICAL PLAN
1/4" = 1'-0"



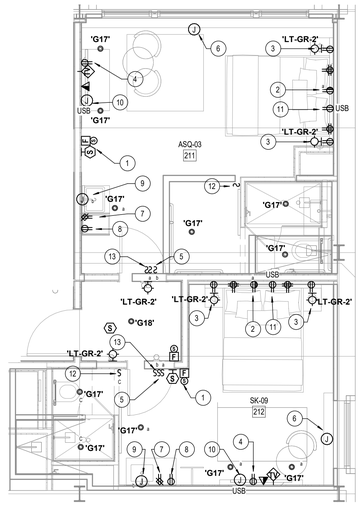
4 SK-07 SECOND FLOOR PLAN ELECTRICAL PLAN
1/4" = 1'-0"



6 SQ-03 ELECTRICAL PLAN
1/4" = 1'-0"



3 SK-05 ELECTRICAL PLAN
1/4" = 1'-0"



1 ASQ-03 & SK-09 ENLARGED PLAN
1/4" = 1'-0"

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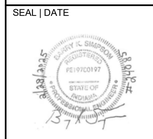

SHEET ISSUE

1	ADDENDUM #4	07/11/2022
2	ASI-02	11/11/2022
3	DD REISSUE	12/09/2024
4	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL ENLARGED GUEST ROOM PLANS

SHEET NUMBER
E-301

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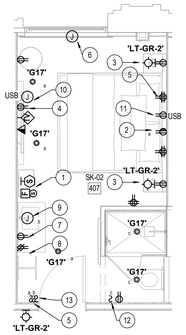
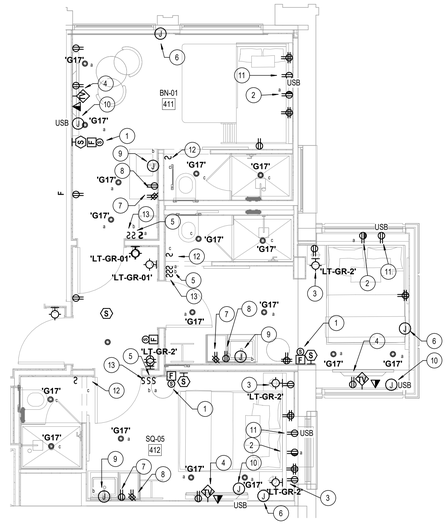
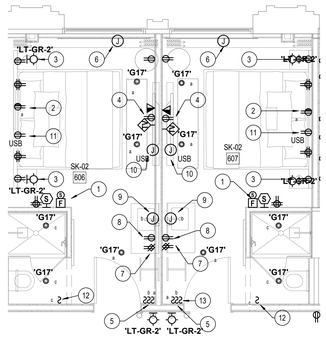


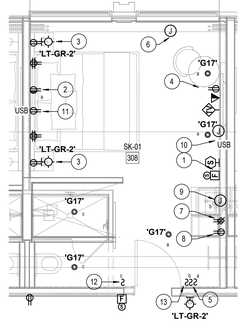
4 SK-02 & SK-08 ELECTRICAL PLAN
1/4" = 1'-0"



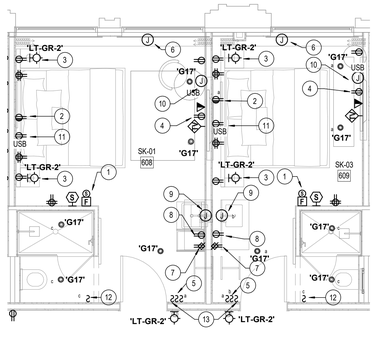
1 BN-01, SQ-01, SQ-05 ELECTRICAL PLAN
1/4" = 1'-0"



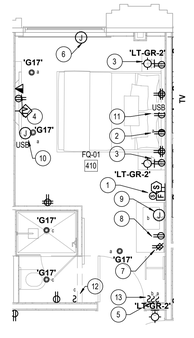
5 SK-02R & SK-02L ELECTRICAL PLAN
1/4" = 1'-0"



2 SK-01L ELECTRICAL PLAN
1/4" = 1'-0"



6 SK-01 & SK-03 ELECTRCIAL PLAN
1/4" = 1'-0"



3 FQ-01 ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. COORDINATE DEVICE LOCATIONS AND HEIGHT WITH ARCHITECTURAL AND I.D. DRAWINGS.
C. RECEPTACLE OUTLETS USED FOR LIGHT FIXTURES ARE TO BE SWITCHED BY MASTER SWITCH.
D. THE FOLLOWING ROOMS ARE DESIGNATED AS HEARING ACCESSIBLE HEARING IMPAIRED ROOMS AND ARE TO RECEIVE STROBE AND DOOR ANNUNCIATION SYSTEM SHOWN ON MODEL ROOM PLANS:
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   - ROOM 601, TYPE ASQ-2
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   - ROOM 801, TYPE ASQ-2
   - ROOM 901, TYPE ASQ-2
   - ROOM 1001, TYPE ASQ-2

   COORDINATE AND CONFIRM LOCATION WITH ARCHITECT.
E. WHERE LIGHT SWITCHES ARE SHOWN IN CLOSE PROXIMITY INSTALL IN MULTIGANG BACK BOX WITH SINGLE MULTIGANG COVER PLATE.
F. COVER PLATES IN GUEST ROOM ARE TO BE SCREWLESS COVER PLATES.

SHEET PLAN NOTES

1 IN ACCESSIBLE/HEARING IMPAIRED ROOMS DEVICE IS TO BE COMBINATION SPEAKER/STROBE. OTHER ROOMS ARE TO BE SPEAKER ONLY.
2 DECORATIVE TV OR HEADBOARD TO BE PLUGGED IN AND SWITCHED WITH FOYER LIGHTING.
3 OTHER INTEGRATED HEADBOARD LIGHTING TO BE PLUG IN WITH SWITCH ON FIXTURE.
4 VERIFY EXACT LOCATION AND HEIGHT OF TV RECEPTACLE AND CABLE OUTLET WITH ARCHITECTURAL DRAWINGS.
5 LIGHT SWITCH FOR LIGHTED MIRROR.
6 PROVIDE POWER TO MOTORIZED SHADES.
7 MOUNT GFI RECEPTACLE HORIZONTALLY +40" AFF TO CENTER OF DEVICE.
8 DUPLEX RECEPTACLE FOR UNDER CABINET REFRIGERATOR AND SAFE.
9 JUNCTION BOX FOR LIGHTED MIRROR. COORDINATE EXACT LOCATION AND HEIGHT WITH ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS.
10 SHELF BELOW TVS TO BE HARDWIRED FOR INTEGRATED POWER AND USB.
11 HEADBOARD TO PLUG INTO WALL USB OUTLET FOR INTEGRATED USB.
12 LIGHT SWITCH FOR DOWNLIGHT IN SHOWER AND BATHROOM.
13 MASTER SWITCH TO TURN OFF ALL LIGHTS IN GUEST ROOM EXCEPT FOR BEDROOM/FOYER.

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SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	ADDENDUM #4	07/11/2022
3	ASI-02	11/11/2022
4	DD REISSUE	12/09/2024
5	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL ENLARGED GUEST ROOM PLANS

SHEET NUMBER
E-302

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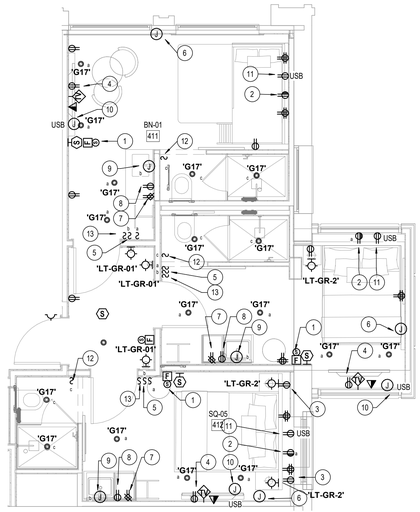

1 ALTERNATE BN-01, SQ-01, SQ-05 ENLARGED PLAN
1/4" = 1'-0"

GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. COORDINATE DEVICE LOCATIONS AND HEIGHT WITH ARCHITECTURAL AND I.D. DRAWINGS.
C. RECEPTACLE OUTLETS USED FOR LIGHT FIXTURES ARE TO BE SWITCHED BY MASTER SWITCH.
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   ROOM 801, TYPE ASQ-2
   ROOM 901, TYPE ASQ-2
   ROOM 1001, TYPE ASQ-2
   COORDINATE ANY CHANGES IN ROOMS WITH ARCHITECT.
E. WHERE LIGHT SWITCHES ARE SHOWN IN CLOSE PROXIMITY INSTALL IN MULTIGANG BACK BOX WITH SINGLE MULTIGANG COVER PLATE.
F. COVER PLATES IN GUEST ROOM ARE TO BE SCREWLESS COVER PLATES.

SHEET PLAN NOTES

1 IN ACCESSIBLE/HEARING IMPAIRED ROOMS DEVICE IS TO BE COMBINATION SMOKE/STROBE. OTHER ROOMS ARE TO BE SMOKE ONLY.
2 LED LIGHTING AT TOP OF HEADBOARD TO BE PLUGGED IN AND SWITCHED TO FOYER LIGHTING.
3 OTHER INTEGRATED HEADBOARD LIGHTING TO BE PLUG IN WITH SWITCH ON FIXTURE.
4 VERIFY EXACT LOCATION AND HEIGHT OF TV RECEPTACLE AND CABLE OUTLET WITH ARCHITECTURAL DRAWINGS.
5 LIGHT SWITCH FOR LIGHTED MIRROR.
6 PROVIDE POWER TO MOTORIZED SHADES.
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13 MASTER SWITCH TO TURN OFF ALL LIGHTS IN GUEST ROOM EXCEPT FOR BATHROOM/SHOWER.

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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL ENLARGED GUEST ROOM PLANS

SHEET NUMBER
E-303

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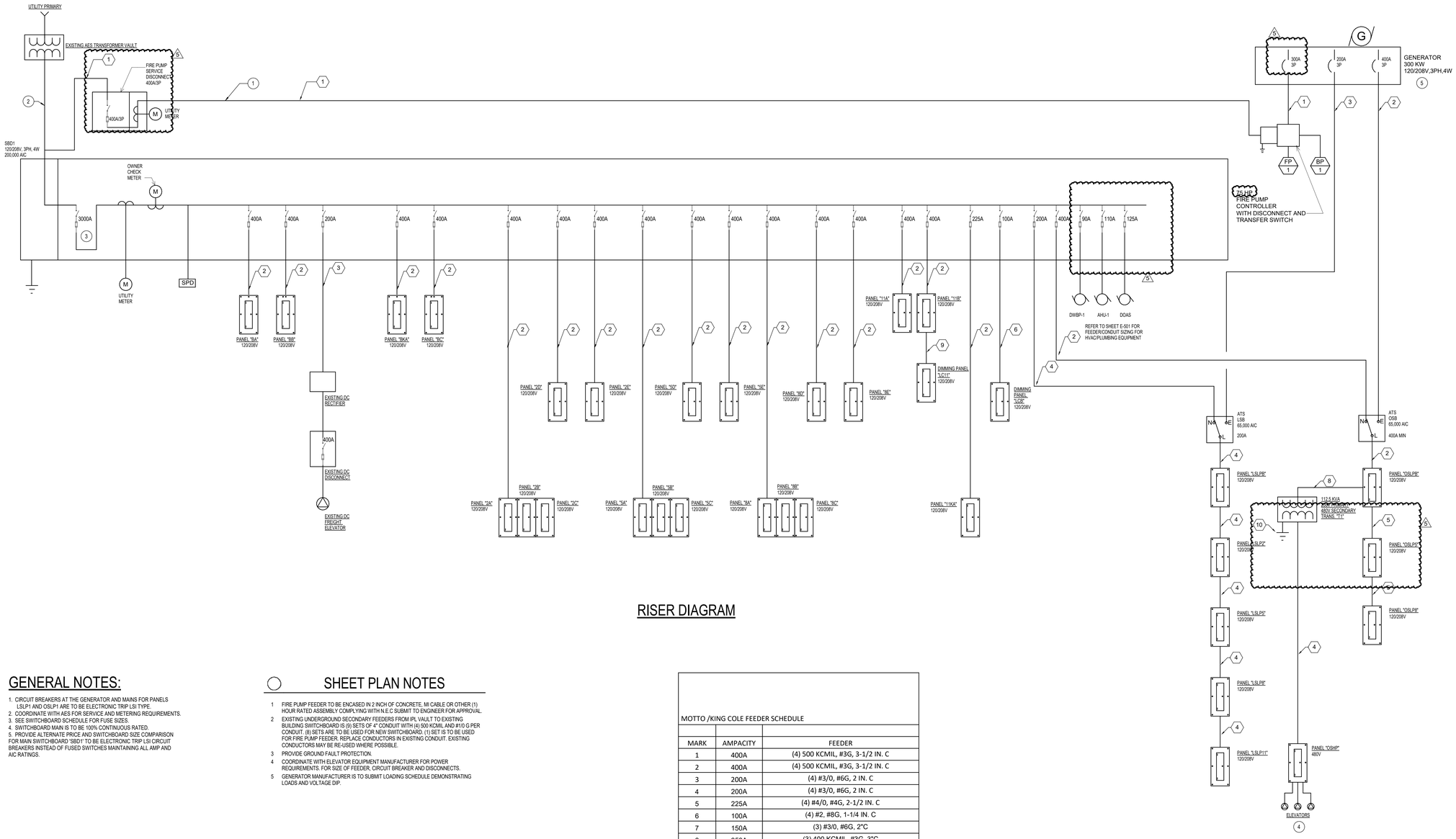

RISER DIAGRAM

GENERAL NOTES:

1. CIRCUIT BREAKERS AT THE GENERATOR AND MAINS FOR PANELS LSLP1 AND OSLP1 ARE TO BE ELECTRONIC TRIP LSI TYPE.
2. COORDINATE WITH AES FOR SERVICE AND METERING REQUIREMENTS.
3. SEE SWITCHBOARD SCHEDULE FOR FUSE SIZES.
4. SWITCHBOARD MAIN IS TO BE 100% CONTINUOUS RATED.
5. PROVIDE ALTERNATE PRICE AND SWITCHBOARD SIZE COMPARISON FOR MAIN SWITCHBOARD "SBD1" TO BE ELECTRONIC TRIP LSI CIRCUIT BREAKERS INSTEAD OF FUSED SWITCHES MAINTAINING ALL AMP AND AIC RATINGS.

◯ SHEET PLAN NOTES

1 FIRE PUMP FEEDER TO BE ENCASED IN 2 INCH OF CONCRETE. MI CABLE OR OTHER (1) HOUR RATED ASSEMBLY COMPLYING WITH N.E.C SUBMIT TO ENGINEER FOR APPROVAL

2 EXISTING UNDERGROUND SECONDARY FEEDERS FROM IPL VAULT TO EXISTING BUILDING SWITCHBOARD IS (9) SETS OF 4" CONDUIT WITH (4) 500 KCMIL AND #1/0 G PER CONDUIT. (6) SETS ARE TO BE USED FOR NEW SWITCHBOARD. (1) SET IS TO BE USED FOR FIRE PUMP FEEDER. REPLACE CONDUCTORS IN EXISTING CONDUIT. EXISTING CONDUCTORS MAY BE RE-USED WHERE POSSIBLE.

3 PROVIDE GROUND FAULT PROTECTION.

4 COORDINATE WITH ELEVATOR EQUIPMENT MANUFACTURER FOR POWER REQUIREMENTS. FOR SIZE OF FEEDER, CIRCUIT BREAKER AND DISCONNECTS.

5 GENERATOR MANUFACTURER IS TO SUBMIT LOADING SCHEDULE DEMONSTRATING LOADS AND VOLTAGE DIP.

MOTTO /KING COLE FEEDER SCHEDULE

MARK	AMPACITY	FEEDER
1	400A	(4) 500 KCMIL, #3G, 3-1/2 IN. C
2	400A	(4) 500 KCMIL, #3G, 3-1/2 IN. C
3	200A	(4) #3/0, #6G, 2 IN. C
4	200A	(4) #3/0, #6G, 2 IN. C
5	225A	(4) #4/0, #4G, 2-1/2 IN. C
6	100A	(4) #2, #8G, 1-1/4 IN. C
7	150A	(3) #3/0, #6G, 2"C
8	350A	(3) 400 KCMIL, #3G, 3"C
9	60A	(4) #6, #6G, 1"C
10	-	(1) 1/0 CU

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SHEET ISSUE

1	ADDENDUM #4	07/11/2022
2	ASI-01	09/16/2022
3	ASI-02	11/11/2022
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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL RISER DIAGRAM

SHEET NUMBER
E-401

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MOTORIZED EQUIPMENT SCHEDULE

NAME	QUAN	FURN. BY	HP / KW	AMPS	VOLT	PHASE	STARTER DATA TYPE	NEMC. ENCL	CONTROLS	BY	DISCONNECT SWITCH NEMA ENCL	TYPE	BY	FEEDER	CIRCUIT BREAKER	REMARKS
AHU-1	1	MC	25 HP	78.2	208	3	VFD	-	-	MF	1	125A/3P	MFGR	3#1, #6G, 2"C	110A-3P	
AHU-2	1	MC	27.2 KW	75.5	208	3	VFD	-	-	MF	1	100A/3P	MFGR	3#3, #8G, 1-1/4"C	100A-3P	3
AWH-1	SEE PLANS	MC	3.0 KW	14.4	208	1	CP	-	-	MF	1	30A/2P	E.C.	2#12, #12G, 3/4"C	20A-2P	2
CHWP-1	1	MC	53 KW	4.4	120	1	-	-	-	-	1	30A/1P	MFGR	2#12, #12G, 3/4"C	20A-1P	6
CHWP-2	1	MC	20 HP	62.1	208	3	VFD	-	-	MC	1	100A/3P	E.C	3#3, #8G, 1-1/4"C	100A-3P	
DSF-1	1	MC	53 KW	4.4	120	1	-	-	-	-	1	30A/1P	MFGR	2#12, #12G, 3/4"C	20A-1P	6
DOAS-1	1	MC	(2)15 HP	(2)48.3	208	3	(2)VFD	-	-	MF	1	(2) 100A/3P	E.C	(2)-(3)#4, #8G, 1-1/4"C	80A-3P	1
DSF-2	1	MC	53 KW	4.4	120	1	-	-	-	-	1	30A/1P	MFGR	2#12, #12G, 3/4"C	20A-1P	6
DWH-1	4	PC	15	120	1	CP	-	-	MF	-	PLUG		2#12, #12G, 3/4"C	20A-1P		
DWH-5	1	PC	4.5 KW	208	1	-	-	-	MF	1	30A/2P	E.C.	2#10, #10G, 3/4"C	30A-2P		
EF-1	1	MC	25 HP	78.2	208	3	VFD	-	-	MF	1	125A/3P	MFGR	3#1, #6G, 2"C	110A-3P	
ELEVATORS	3	GC	25 HP	28	480	3	CP	-	-	MF	1	60A/3P/FA 40A	E.C	3#8, #10G, 3/4"C	60A-3P	9
FCU-TRANE 03	SEE PLANS	MC	1.1 KW	6.8	208	1	CP	-	-	MF	1	30A/2P	MFGR	2#12, #12G, 3/4"C	15A-2P	7
FCU-TRANE 04	SEE PLANS	MC	1.5KW	10.8	208	1	CP	-	-	MF	1	30A/2P	MFGR	2#12, #12G, 3/4"C	15A-2P	7
FCU-TRANE 06	SEE PLANS	MC	2.2 KW	12.6	208	1	CP	-	-	MF	1	30A/2P	MFGR	2#12, #12G, 3/4"C	20A-2P	7
FCU-TRANE 08	SEE PLANS	MC	3.0 KW	16.2	208	1	CP	-	-	MF	1	30A/2P	MFGR	2#10, #10G, 3/4"C	25A-2P	7
FCU-TRANE 10	SEE PLANS	MC	4.4 KW	25.44	208	1	CP	-	-	MF	1	60A/2P	MF	2#8,#10G,3/4" C	35A-2P	7
FCU-TRANE 12	SEE PLANS	MC	4.4 KW	24.9	208	1	CP	-	-	MF	1	60A/2P	MFGR	3#8, #10G, 3/4"C	35A-2P	7
FF-1	1	MC	1/5 HP	3	120	1	VFD	-	-	-	1	30A/1P	E.C.	2#12, #12G, 3/4"C	20A-1P	
FP-1	1	PC	75 HP	221	208	3	-	-	-	-	-	-	-	-	-	8
HWRP-1	1	PC	1/6 HP	4.4	120	1	CM	-	-	MF	1	30A/1P	E.C.	2#12, #12G, 3/4"C	20A-1P	
HWRP-2	1	PC	2 HP	12	208	1	CM	-	-	MF	1	30A/2P	E.C.	2#10, #10G, 3/4"C	25A-2P	
HWRP-3	1	PC	2 HP	12	208	1	CM	-	-	MF	1	30A/2P	E.C.	2#10, #10G, 3/4"C	25A-2P	
HWRP-4	1	PC	1/6 HP	4.4	120	1	CM	-	-	MF	1	30A/1P	E.C.	2#12, #12G, 3/4"C	20A-1P	
IRH-1-10	10	MC	5 KW	24	208	1	CP	-	-	MF	1	-	-	2#8, #10G, 3/4"C	35A-2P	
JP-1	1	PC	2 HP	7.8	208	3	-	-	-	-	-	-	E.C.	3#8, #10G, 3/4"C	20A-3P	
KP-1	1	MC	3 HP	9.6	208	3	VFD	-	-	MF	1	60A/3P	MFGR	3#12, #12G, 3/4"C	20A-3P	4
MAU-1	1	MF	9.4 KW	26.2	208	3	VFD	-	-	MF	1	60A/3P	E.C	3#8, #10G, 3/4"C	40A-3P	3
SE-1 & SE-2	1	MF	5 HP (EA)	17.5	208	3	CP	-	-	MC	1	60A/3P	E.C	3#6, #10G, 1"C	50A-3P	
SPF-1	1	MC	5 HP	17.5	208	3	VFD	-	-	MC	1	30A/3P	MFGR	3#18 #10G, 3/4"C	35A-3P	5
VAV-1-1	1	MC	4.7 KW	13	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-1-2	1	MC	1.6 KW	4.6	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-1-3	1	MC	11.3 KW	31.4	208	3				MC			MFGR	3#8, #10G, 3/4"C	40A-3P	
VAV-1-4	1	MC	11.3 KW	31.4	208	3				MC			MFGR	3#8, #10G, 3/4"C	40A-3P	
VAV-1-5	1	MC	10.9 KW	30.2	208	3				MC			MFGR	3#8, #10G, 3/4"C	40A-3P	
VAV-1-6	1	MC	10.9 KW	30.2	208	3				MC			MFGR	3#8, #10G, 3/4"C	40A-3P	
VAV-1-7	1	MC	9.8 KW	27.2	208	3				MC			MFGR	3#8, #10G, 3/4"C	35A-3P	
VAV-B-1	1	MC	1.6 KW	4.6	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-2	1	MC	10.3 KW	28.7	208	3				MC			MFGR	3#8, #10G, 3/4"C	40A-3P	
VAV-B-3	1	MC	5.4 KW	15.1	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-4	1	MC	2.7 KW	7.6	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-5	1	MC	2.2 KW	6.3	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-6	1	MC	1.7 KW	4.8	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-7	1	MC	2.1 KW	5.8	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-8	1	MC	6.3 KW	17.5	208	3				MC			MFGR	3#10, #10G, 3/4"C	25A-3P	
VAV-B-9	1	MC	2.2 KW	6.3	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-10	1	MC	2.2 KW	6.3	208	3				MC			MFGR	3#12, #12G, 3/4"C	20A-3P	
VAV-B-11	1	MC	10.3 KW	28.7	208	3				MC			MFGR	3#8, #10G, 3/4"C	40A-3P	

AC	ALTERNATING CURRENT
AUX	AUXILARY CONTACTS
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
BFG	BELOW FINISHED GRADE
C	CONDUIT
CCT	CONTROL CIRCUIT TRANSFORMER
CCTV	CLOSED CIRCUIT TELEVISION
CB	CIRCUIT BREAKER
CMS	COMBINATION MAGNETIC STARTER
CONT	CONTRACTOR
CP	CONTROL PACKAGE
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DC	DIRECT CURRENT
DISC	DISCONNECT SWITCH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRIC-PNEUMATIC SWITCH
EWC	ELECTRIC WATER COOLER
EX	EXISTING TO REMAIN
EXIST.	EXISTING
EXR	EXISTING TO BE REMOVED
F	FUSED
FA	FIRE ALARM
FMS	FLEXIBLE METAL CONDUIT
G	GROUND WIRE
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
HOA	HAND-OFF-AUTO SELECTOR SWITCH
HP	HORSEPOWER
Hz	HERTZ
IC	INTERRUPTING CURRENT
IMC	INTERMEDIATE METAL CONTRACTOR
INT	INTERLOCK
KEC	KITCHEN EQUIPMENT CONTRACTOR
KW	KILOWATT
LT	LIGHT
LTS	LIGHTS
MATV	MASTER ANTENNA TELEVISION
CB	MAIN CIRCUIT BREAKER
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MFR	MANUFACTURER
MH	MANHOLE
MLO	MAIN LUG ONLY
MMS	MANUAL MOTOR STARTER
MS	MAGNETIC STARTER
MTS	MANUAL TRANSFER SWITCH
NF	NON-FUSED
NL	NIGHT LIGHT
NTS	NOT TO SCALE
NL	UNSWITCHED NIGHT LIGHT
OL	OVER LOADS
OP	OVERCURRENT PROTECTION
PB	PUSH BUTTON
PE	PNEUMATIC-ELECTRIC SWITCH
PL	PILOT LIGHT
PUH	PROPELLER UNIT HEATER
ø	PHASE
QUAN	QUANTITY
R	EXISTING RO BE RELOCATED
RA	RIGID ALUMINUM CONDUIT
RECEPT	RECEPTACLE
RF	RETURN FAN
RGS	RIGID GALVANIZED STEEL CONDUIT
SF	SUPPLY FAN
SN	SOLID NEUTRAL
SW	SWITCH
SW & F	SWITCH AND FUSE
T	THERMOSTAT
TC	TIME CLOCK
TCC	TEMPERATURE CONTROL CONTRACTOR
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TX	POWER TRANSFORMER
V	VOLT
W	WIRE OR WATT
WM	WIREMOLD
WP	WEATHER PROTECTED
W/	WITH
Δ	WIRING CONNECTED (DELTA)
Y	WIRING CONNECTED (WYE)

NOTES:
1. DOAS-1 REQUIRES
   A. (1) CIRCUIT TO SINGE POINT CONNECTION SHOWN
   B. 120V CIRCUIT TO GAS BURNER
   C. 120V CIRCUIT TO GFCI RECEPTACLES AND LIGHTS
2. QUANTITY AS SHOWN ON PLANS.
3. INTERLOCK MAU WITH ASSOCIATED EXHAUST FAN
4. INTERLOCK WITH MAU UNIT
5. CONNECT WITH MOTORIZED DAMPER AT INTAKE LOUVER
6. INTERLOCK WITH DRYER
7. SEE MECHANICAL SCHEDULE FOR SIZE OF EACH FAN COIL. PROVIDE CIRCUIT BREAKER AND WIRE PER MOTORIZED EQUIPMENT SCHEDULE.
8. SEE RISER DIAGRAM
9. CONFIRM REQUIREMENTS WITH MANUFACTURER. SEE PROJECT GENERAL NOTES FOR OTHER REQUIREMENTS.

SCHEDULE OF KITCHEN EQUIPMENT

ITEM NO.	DESCRIPTION	HP	KW	AMPS	VOLTAGE	PHASE	CONNECTION	AFF	FEEDER	PANEL/CIRCUIT BREAKER
1-2	RAPID COOK OVEN			17.1	208	3	NEMA 15-30P	48	3#10, #10G, 3/4"C	30A-3P
1-3	REFRIGERATED WORK TOP			2.4	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P
1-4	DISPLAY CASE, REFRIGERATED			11.3	120	1	NEMA 5-15P	STUB UP	2#12, #12G, 3/4"C	20A-1P
1-6	UNDERCOUNTER REFRIGERATOR			5.3	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P
1-7	COFFEE BREWER			25	120/208	1	PLUG	48	2#8, #10G, 3/4" C	40A-2P
1-8	COFFEE GRINDER			3.5	120	1	NEMA 5-15P	48	2#12, #12G, 3/4"C	20A-1P
1-10	POS MACHINE			5	120	1	NEMA 5-15P	STUB UP	2#12, #12G, 3/4"C	20A-1P
1-11	ESPRESSO CAPPUCCINO MACHINE			(2) 30	(2) 208	1	(2) NEMA L6-30R	STUB UP	2#8, #10G, 3/4" C	40A-2P
1-12	UNDERCOUNTER REFRIGERATOR			5.3	120	1	NEMA 5-15P	STUB UP	2#12, #12G, 3/4"C	20A-1P
1-14	FRONT SERVING COUNTER			16.0	120	1	PLUG	STUB UP	2#12, #12G, 3/4"C	20A-1P
1-17	REACH-IN REFRIGERATOR			5.9	120	1	NEMA 5-15P	86	2#12, #12G, 3/4"C	20A-1P
1-20	DISHWASHER UNDERCOUNTER			24.7	208	1	PLUG	16	2#8, #10G, 3/4" C	35A-2P
1-25	REACH-IN REFRIGERATOR			3.8	120	1	NEMA 5-15P	86	2#12, #12G, 3/4"C	20A-1P
1-26	RAPID COOK OVEN			17.1	208	3	NEMA 15-30P	48	3#10, #10G, 3/4"C	30A-3P
1-27	SANDWICH/SALAD PREP FRIDGE			2.9	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P
1-29	BACK BAR CABINET			4.2	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P
1-36	DISHWASHER UNDERCOUNTER			24.7	208	1	DIRECT	16	2#8, #10G, 3/4" C	35A-2P
1-40	UNDERCOUNTER REFRIGERATOR			1.6	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P
11-1	EXHAUST HOOD SYSTEM			16	120	1	DIRECT	DFA	2#12, #12G, 3/4"C	20A-1P
11-2	GAS FRYER, BATTERY			12	120	1	NEMA 5-15P	48	2#12, #12G, 3/4"C	20A-1P
11-3	REACH-IN REFRIGERATOR			3.8	120	1	NEMA 5-15P	86	2#12, #12G, 3/4"C	20A-1P
11-4	GRIDDLE			15	120	1	NEMA 5-15P	36	2#12, #12G, 3/4"C	20A-1P
11-5	CHEF BASE			2.4	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P
11-6	RANGE			4	120	1	PLUG	24	2#12, #12G, 3/4"C	20A-1P
11-8	COMBI OVEN			66	208	3	DIRECT	16	3#3, #8G, 1 1/4"C	90A-3P
11-9	RAPID COOK OVEN			30	208	1	NEMA 6-30P	48	2#8, #10G, 3/4" C	40A-2P
11-10	SALAD PREP REFRIGERATOR			9	120	1	NEMA 5-15P	STUB UP	2#12, #12G, 3/4"C	20A-1P
11-11	HOT/COLD FOOD WELL			10.5	120/208	1	NEMA 14-20P	STUB UP	2#12, #12G, 3/4"C	20A-2P
11-13	PICK UP STATION			16	120	1	PLUG	16	2#12, #12G, 3/4"C	20A-1P
11-13.1	HEAT LAMP			18.3	120	1	DIRECT	DFA	2#10, #10G, 3/4"C	25A-1P
11-19	BLAST CHILLER FREEZER			8.2	208	1	NEMA L6-15P	STUB UP	2#12, #12G, 3/4"C	20A-2P
11-20	ISLAND WORKTABLE			16	120	1	PLUG	STUB UP	2#12, #12G, 3/4"C	20A-1P
11-23	WALK-IN COOLER/BEER COOLER			16	120	1	DIRECT	DFA	2#12, #12G, 3/4"C	20A-1P
11-23.1	COOLER BLOWER COIL				120	1	DIRECT	DFA	2#12, #12G, 3/4"C	20A-1P
11-23.2	BEER COOLER BLOWER COIL				120	1	DIRECT	DFA	2#12, #12G, 3/4"C	20A-1P
11-23.3	COOLER/BEER COOLER CU				208	1	DIRECT	STUB UP	2#12, #12G, 3/4"C	20A-2P
11-28	DISHWASHER			26.9	208	1	DIRECT	16	2#8, #10G, 3/4" C	40A-2P
DR-1	CONVENIENCE RECEP			16	120	1	PLUG	16	2#12, #12G, 3/4"C	20A-1P
DR-2	CONVENIENCE RECEP			16	120	1	PLUG	48	2#12, #12G, 3/4"C	20A-1P
R-2	BACK BAR CABINET			2.5	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P
R-12	DISHWASHER UNDERCOUNTER			24.7	208	1	PLUG	16	2#8, #10G, 3/4" C	35A-2P
R-14	REACH-IN UNDERCOUNTER FREEZER			2.3	120	1	NEMA 5-15P	16	2#12, #12G, 3/4"C	20A-1P

5 NOTE: SEE FOOD SERVICE DRAWINGS FOR LOCATIONS OF EQUIPMENT. REFER TO KS00 SERIES SHEETS FOR MORE INFORMATION ABOUT EXHAUST HOOD AND WALK-IN COOLER POWER AND WIRING REQUIREMENTS.

FOR CONVENIENCE RECEPTACLES ONLY:
FURNISH HORIZONTAL RECEPTACLE AT +48" AFF WHEN MOUNTED ABOVE COUNTERTOP.

5

LIGHTING FIXTURE SCHEDULE - BACK OF HOUSE

FIXTURE TYPE	DESCRIPTION	LAMP TYPE	LUMENS	CCT	VOLTS	WATTS	MOUNT	BASE MANUFACTURER	EQUAL MANUFACTURER
		<varies>		<varies>		<varies>			
L1	8' LED STRIP LIGHT. SELECTABLE LUMENS & CCT. 0-10V DIMMING. DAMP LOCATION. ACCESORIES AS REQUIRED MOUNTING PER PLANS. (UTILITY AREAS)	LED 4000K	10,000 LM	4000K	UNV	91W	SURFACE / SUSPENDED	LITHONIA: CSS-96-AL04-MVOLT-SWW3-80	COLUMBIA: CSL, METALUX: SLSTP, WILLIAMS: FS
L1-E	SAME AS L1 WITH EMERGENCY TRANSFER RELAY.	LED	10,000 LM	4000K	UNV	91W	SURFACE / SUSPENDED	LITHONIA: CSS-96-AL04-MVOLT-SWW3-80	COLUMBIA: CSL, METALUX: SLSTP, WILLIAMS: FS
L1A	4' LED STRIP LIGHT. SELECTABLE LUMENS & CCT. 0-10V DIMMING. DAMP LOCATION. ACCESORIES AS REQUIRED. PROVIDE EMERGENCY TRANSFER RELAY. MOUNTING PER PLANS. (UTILITY AREAS)	LED	5000 LM	4000K	UNV	44W	SURFACE / SUSPENDED	LITHONIA: CSS-48-AL03-MVOLT-SWW3-80	COLUMBIA: CSL, METALUX: SLSTP, WILLIAMS: FS
L1A-E	SAME AS L1A WITH EMERGENCY TRANSFER RELAY.	LED	5000 LM	4000K	UNV	44W	SURFACE / SUSPENDED	LITHONIA: CSS-48-AL03-MVOLT-SWW3-80	COLUMBIA: CSL, METALUX: SLSTP, WILLIAMS: FS
L2	2'X4' FLAT PANEL, EDGE LIT, SLIM SATIN LENS. SELECTABLE LUMENS & CCT. 0-10V DIMMING. (GENERAL)	LED	6000 LM	3500K	UNV	55W	GRID	LITHONIA: CPANL-2X4-AL06-SWW7-M2	COLUMBIA: CBT, METALUX: MMS, WILLIAMS: BP
L2-E	SAME AS TYPE L2. PROVIDE EMERGENCY TRANSFER RELAY	LED	6000 LM	3500K	UNV	55W	GRID	LITHONIA: CPANL-2X4-AL06-SWW7-M2	COLUMBIA: CBT, METALUX: MMS, WILLIAMS: BP
L2B	2'X2' FLAT PANEL, EDGE LIT, SLIM SATIN LENS. SELECTABLE LUMENS & CCT. 0-10V DIMMING. (GENERAL)	LED	4800 LM	3500K	UNV	41W	GRID	LITHONIA: CPANL-2X2-AL01-SWW7-M4	COLUMBIA: CBT, METALUX: MMS, WILLIAMS: BP
L3	2'X2' VOLUMETRIC CENTER BASKET TROFFER. CURVED SMOOTH ACRYLIC DIFFUSER. SELECTABLE LUMENS & CCT. 0-10V DIMMING. (OFFICES)	LED	6000 LM	3500K	UNV	50W	GRID	LITHONIA: STAKS-2X4-AL06-SWW7	COLUMBIA: LCAT24, METALUX: CZS, WILLIAMS: FT
L3-E	SAME AS L3 WITH EMERGENCY TRANSFER RELAY.	LED	6000 LM	3500K	UNV	50W	GRID	LITHONIA: STAKS-2X4-AL06-SWW7	COLUMBIA: LCAT24, METALUX: CZS, WILLIAMS: FT
L3B	2'X2' VOLUMETRIC CENTER BASKET TROFFER. CURVED SMOOTH ACRYLIC DIFFUSER. SELECTABLE LUMENS & CCT. 0-10V DIMMING. (OFFICES)	LED	4800 LM	3500K	UNV	41W	GRID	LITHONIA: STAKS-2X4-AL03-SWW7	COLUMBIA: CBT, METALUX: MMS, WILLIAMS: BP
L4	BACKLIT LED PANEL. IP65 WET LOCATION & NSF RATED. SATIN WHITE ACRYLIC LENS. 0-10V DIMMING. (KITCHEN)	LED 3500K	7200 LM	3500K	UNV	55W	RECESSED	LITHONIA: CPXIP-2X4-7200LM-80-35K-SWL-MIN10 -ZT-MVOLT	ENGINEER PRE-APPROVED EQUAL.
L4-E	SAME AS L4 WITH EMERGENCY TRANSFER RELAY.	LED	7200 LM	3500K	UNV	55W	RECESSED	LITHONIA: CPXIP-2X4-7200LM-80-35K-SWL-MIN10 -ZT-MVOLT	ENGINEER PRE-APPROVED EQUAL.
L5	4' LED ENCLOSED AND GASKETED. FROSTED POLYCARBONATE LENS. 0-10V DIMMING. (ELEVATOR PITS)	LED	6000 LM	3500K	UNV	40W	SURFACE	LITHONIA: FEM-6000LM-LPPFL-MD-MVOLT-GZ10-35K-80CRI	COLUMBIA: LXEM, FAIL-SAFE: VRVT2, WILLIAMS: 96
L7	4FT - 4" APERTURE LINEAR DIRECT FIXTURE WITH SATIN LENS.FINISH PER ARCHITECT.	LED	925LM/FT	3500K	UNV	32W	RECESSED	PRUDENTIAL: BPRO4-REC-FLSH-LED35-SO-4'-TRIM-SAL-LP-SC-UNV-CEILING-DM01	LITECONTROL: MOD4L, LUMENWERX: VIA4R, WILLIAMS: LRX4
L7B	6FT - 4" APERTURE LINEAR DIRECT FIXTURE WITH SATIN LENS. 0-10V DIMMING. FINISH PER ARCHITECT	LED	925LM/FT	3500K	UNV	47W	RECESSED	PRUDENTIAL: BPRO4-REC-FLSH-LED35-SO-6'-TRIM-SAL-LP-SC-UNV-CEILING-DM01	LITECONTROL: MOD4L, LUMENWERX: VIA4R, WILLIAMS: LRX4
L7B-E	6FT - 4" APERTURE LINEAR DIRECT FIXTURE WITH SATIN LENS AND EMERGENCY TRANSFER RELAY.0-10V DIMMING. FINISH PER ARCHITECT	LED	925LM/FT	3500K	UNV	47W	RECESSED	PRUDENTIAL: BPRO4-REC-FLSH-LED35-SO-6'-TRIM-SAL-LP-SC-UNV-CEILING-DM01	LITECONTROL: MOD4L, LUMENWERX: VIA4R, WILLIAMS: LRX4
L8-E	4'-0" EXTERIOR LINEAR MULLION MOUNTED WITH EMERGENCY TRANSFER RELAY. FINISH BY ARCHITECT. (EXTERIOR)	LED	3500 LM	3000K	UNV	35W	MULLION	LUMINAIRE LED: AEL-48-NODIM-35W-30K-MVOLT----DP-X	KIM: RND, STARTEK: HYDROD
L9-E	WALL MOUNTED GOOSENECK RLM FIXTURE WITH REMOTE BATTERY. WET LISTED. FINISH BY ARCHITECT.	LED	1250 LM	3000K	UNV	10W	WALL	ARK LIGHTING: AGB101-AD12-GALV	HI-LITE: H-15112, BASELITE
L11	3"W X 4'L LINEAR SUSPENDED FIXTURE WITH DIRECT DISTRIBUTION, SATIN LENS. 0-10V STEP DIMMING. FINISH BY ARCHITECT. (STAIRS/CORRIDORS)	LED	900LM/FT	3000K	UNV	32W	SUSPENDED	PRUDENTIAL: BPRO3-LIN-FLSH-LED3-SO-4'-FINISH-SAL-SC-UNV-CAX-STEP-X	LITECONTROL: MOD3, LUMENWERX: VIA3, ALW: SP2.5
L11-E	3"W X 4'L LINEAR SUSPENDED FIXTURE WITH DIRECT DISTRIBUTION, SATIN LENS, 0-10V STEP DIMMING, AND EMERGENCY TRANSFER RELAY. FINISH BY ARCHITECT. (STAIRS)	LED	900LM/FT	3000K	UNV	32W	SUSPENDED	PRUDENTIAL: BPRO3-LIN-FLSH-LED3-SO-4'-FINISH-SAL-SC-UNV-CAX-STEP-X	LITECONTROL: MOD3, LUMENWERX: VIA3, ALW: SP2.5
L12-E	3"W X 4'L LINEAR DIRECT FIXTURE WITH PERIMETER FILL OR ASYMMETRIC OPTICS, SATIN LENS, 0-10V STEP DIMMING, WALL SPACER, AND EMERGENCY TRANSFER RELAY. FINISH BY ARCHITECT. (STAIRS)	LED	975LM/FT	3000K	UNV	32W	WALL	PRUDENTIAL: BPRO3-LIN-FLSH-LED3-SO-4'-FINISH-PFL-SC-UNV-WS-STEP-X	LITECONTROL: MOD3, LUMENWERX: VIA3, ALW: SP2.5
L13	RECESSED 4.5" APERTURE, 25 DEGREE BEAM DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS.. FINISH SELECTED BY ARCHITECT.	LED	1381 LM	2700K 90CRI	UNV	16W	RECESSED	B4RDF-12C3-27KH-50-S-BTFINISH-FFINISH -NC-UNV-D6E	ALPHABET: NU4R, FOCAL POINT: ID+, WILLIAMS: 4DR
L13-E	SAME AS TYPE L13 ON EMERGENCY TRANSFER RELAY	LED	1381 LM	2700K 90CRI	UNV	16W	RECESSED	B4RDF-12C3-27KH-50-S-BTFINISH-FFINISH -NC-UNV-D6E	ALPHABET: NU4R, FOCAL POINT: ID+, WILLIAMS: 4DR
L13A	RECESSED 4.5" APERTURE, 30 DEGREE BEAM ADJUSTABLE DOWNLIGHT WITH 0-10V DIMMING DRIVER AND SOLITE LENS. FINISH SELECTED BY ARCHITECT.	LED	1725 LM	2700K	UNV	16W	RECESSED	USAI B4RA-F-40-16C3-27KH-R30-S-X-X-NC-UNV-D6E	ALPHABET: NU4R, FOCAL POINT: ID+, WILLIAMS: 4AR
L14	TWIN CABLE POWERED SUSPENDED CATENARY LIGHTING SYSTEM SPANING 25' IN LENGTH WALL TO WALL. PROVIDE (8)1" DIAMETER CYLINDER DOWN LIGHTS. ARCHITECT TO CONFIRM FINISH, COLOR TEMPERATURE AND ACCESSORIES. 0-10V DIMMING.	LED 2700K 800LM EA.	780 LM		120V	10W	CATENARY	BRUCK: EXT-SKY-WALL-X-P70495-24-10V-150 W/EXT-SKY-D-SW-27K-90-30D-24-BK-OPAL SHADE	ENGINEER/ARCHITECT PRE-APPROVED EQUAL.
UC	36" SWITCHABLE CCT UNDERCABINET FIXTURE	LED	1200 LM	3500K	120V	16W	UNDERCABINET	LITHONIA:UCES 36IN SWW6 90CRI WH M6	COLUMBIA, METALUX, WILLIAMS
X1	UNIVERSAL MOUNT EDGE-LIT LED EXIT SIGN. INCLUDES SINGLE FACE CLEAR LENS AND DOUBLE MIRROR FACED LENS. NICKEL CADMIUM BATTERY. COLOR BY ARCHITECT	LED	-	-	UNV	3W	UNV	ISOLITE: UEL-EM-G-URC	BEGHELLI: BRUNO, SURE-LITES: SCX, LSL: LSPELX
X2	UNIVERSAL MOUNT THERMOPLASTIC EXIT SIGN. COLOR BY ARCHITECT.	LED	-	-	UNV	2W	UNV	LITHONIA QUANTUM: LQM-S-3-G-120/277	COMPASS: CE, SURE-LITES: APX, LSL: LSXS

NOTE:
1. ALL 'LT-PLT' LIGHTING FIXTURES ARE OWNER SUPPLIED, CONTRACTOR INSTALLED. REFER TO I.D. SHEETS.
2. ALL 'G' AND 'XG' FIXTURES ARE ON LIGHTING CONSULTANT DRAWINGS, SHEETS EL501 AND EL502.

2/28/2025 4:27:25 PM

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SEAL | DATE

BRIAN L. SIMONSON STATE OF INDIANA REGISTERED PE19700197 PROFESSIONAL ENGINEER 2/28/25

SHEET ISSUE

1	ADDENDUM #4	07/11/2022
2	ASI-02	11/11/2022
3	DD REISSUE	12/09/2024
4	50% CD	01/24/2025
5	100% CD	2/28/2025

CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E-501

Panel: BA

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	MEP RECPT.	20 A	1	1080 / 1440			1	20 A	RECEIVING/HALL RECPT.	2
3	GEN RECEPS	20 A	1		1260 / 180		1	20 A	AHU LIGHTS	4
5	GENERAL RECEPS	20 A	1			1080 / 1440	1	20 A	FLEX RECEPS	6
7	COMMON RECEPS	20 A	1	900 / 1260			1	20 A	OFFICE RECEPS	8
9	RECEPS - GENERAL...	20 A	1		900 / 720		1	20 A	RECEPS - RESTROOM	10
11	DOAS LIGHTS	20 A	1			180 / 900	1	20 A	STORAGE RECEPS	12
13	DOAS GAS BURNER	20 A	1	180 / 1260			1	20 A	RECEPS - CHECK-I/LOBBY	14
15	SUB-BASEMENT LIGHTING	20 A	1		868 / 1080		1	20 A	ENGINEERING OFFICE RECEPS	16
17	BASEMENT LIGHTING	20 A	1			1076 / 180	1	20 A	ELEVATOR PIT RECEP	18
19	BASEMENT LIGHTING	20 A	1	1240 / 180			1	20 A	ELEVATOR PIT RECEP	20
21	ELEVATOR PIT RECEP	20 A	1		180 / 180		1	20 A	ELEVATOR PIT RECEP	22
23	CONTROL PANEL	20 A	1			360 / 900	1	20 A	HK OFFICE RECEPS	24
25	COMMONS RECEP	20 A	1	180 / 1260			1	20 A	FITNESS RECEPS	26
27	FRIDGE	20 A	1		1200 / 900		1	20 A	OFFICE RECEPS	28
29	OFFICE RECEPS	20 A	1			1440 / 1500	1	20 A	COFFEE MACHINE	30
31	MICROWAVE	20 A	1	1200 / 180			1	20 A	BOTTLE FILLER	32
33	WASHER/DRYER	30 A	3		1000 / 1000		3	30 A	WASHER/DRYER	34
35	--	--	--			1000 / 1000	--	--	--	36
37	--	--	--	1000 / 1000			--	--	--	38
39	WASHER/DRYER	30 A	3		1000 / 1000		3	30 A	WASHER/DRYER	40
41	--	--	--			1000 / 1000	--	--	--	42
43	--	--	--	1000 / 1000			--	--	--	44
45	WATER SOFTENERS	20 A	1		360 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 0			1	20 A	SPARE	56
57	SPARE	20 A	1		0 / 0		1	20 A	SPARE	58
59	SPARE	20 A	1			0 / 0	1	20 A	SPARE	60
			Total...	14343 VA	11788 VA	13043 VA				
			Total...	121 A	98 A	110 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Electric Clothes Dryer	12000 VA	100.00%	12000 VA		
HVAC	180 VA	100.00%	180 VA	**Total Conn. Load:**	39173 VA
Lighting	910 VA	100.00%	910 VA	**Total Est. Demand:**	32954 VA
Lighting - Hotel	2642 VA	100.00%	2642 VA	**Total Conn. Current:**	109 A
Power	1080 VA	100.00%	1080 VA	**Total Est. Demand Current:**	91 A
Receptacle	22440 VA	72.28%	16220 VA		

Panel: BB

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	VAV-B-1	15 A	3	547 / 3445			3	40 A	VAV-B-2	2
3	--	--	--		547 / 3445		--	--	--	4
5	--	--	--			547 / 3445	--	--	--	6
7	VAV-B-3	20 A	3	1814 / 912			3	15 A	VAV-B-4	8
9	--	--	--		1814 / 912		--	--	--	10
11	--	--	--			1814 / 912	--	--	--	12
13	VAV-B-5	15 A	3	758 / 576			3	15 A	VAV-B-6	14
15	--	--	--		758 / 576		--	--	--	16
17	--	--	--			758 / 576	--	--	--	18
19	VAV-B-7	15 A	3	691 / 2101			3	25 A	VAV-B-8	20
21	--	--	--		691 / 2101		--	--	--	22
23	--	--	--			691 / 2101	--	--	--	24
25	VAV-B-9	15 A	3	758 / 758			3	15 A	VAV-B-10	26
27	--	--	--		758 / 758		--	--	--	28
29	--	--	--			758 / 758	--	--	--	30
31	VAV-B-11	40 A	3	3445 / 1564			3	20 A	VAV-1-1	32
33	--	--	--		3445 / 1564		--	--	--	34
35	--	--	--			3445 / 1564	--	--	--	36
37	VAV-1-2	15 A	3	547 / 3771			3	40 A	VAV-1-3	38
39	--	--	--		547 / 3771		--	--	--	40
41	--	--	--			547 / 3771	--	--	--	42
43	VAV-1-4	40 A	3	3771 / 3627			3	40 A	VAV-1-5	44
45	--	--	--		3771 / 3627		--	--	--	46
47	--	--	--			3771 / 3627	--	--	--	48
49	VAV-1-6	40 A	3	3627 / 3263			3	35 A	VAV-1-7	50
51	--	--	--		3627 / 3263		--	--	--	52
53	--	--	--			3627 / 3263	--	--	--	54
55	DSF-1	20 A	3	276 / 936			3	20 A	JP-1	56
57	--	--	--		276 / 936		--	--	--	58
59	--	--	--			276 / 936	--	--	--	60
			Total...	37186 VA	37186 VA	37186 VA				
			Total...	310 A	310 A	310 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	108751 VA	87.76%	95439 VA		
Power	2807 VA	100.00%	2807 VA	**Total Conn. Load:**	111558 VA
				Total Est. Demand:	98245 VA
				Total Conn. Current:	310 A
				Total Est. Demand Current:	273 A

Panel: OSLP5

Location:
Supply From: OSLPB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RECEP - IDF RM	20 A	1	1500 / 1500			1	20 A	RECEP - IDF RM	2
3	RECEPS - IDF RM	20 A	1		720 / 550		2	20 A	FCU 4-14	4
5	SPARE	20 A	1			0 / 550	--	--	--	6
7	SPARE	20 A	1	0 / 7796			3	225 A	PANEL OSLP8 FEED THRU...	8
9	SPARE	20 A	1		0 / 5618		--	--	--	10
11	SPARE	20 A	1			0 / 4059	--	--	--	12
			Total...	10796 VA	6888 VA	4609 VA				
			Total...	93 A	60 A	38 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	7693 VA	100.00%	7693 VA		
Receptacle	14600 VA	84.25%	12300 VA	**Total Conn. Load:**	22293 VA
				Total Est. Demand:	19993 VA
				Total Conn. Current:	62 A
				Total Est. Demand Current:	55 A

Notes:

Panel: BKA

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	1-2 RAPID COOK OVEN	30 A	3	2123 / 288			1	20 A	11.3 WORK TOP	2
3	--	--	--		2123 / 1362		1	20 A	11.4 DISPLAY CASE	4
5	--	--	--			2123 / 288	1	20 A	1.6 UNDERCOUNTER FRIDGE	6
7	1.7 COFFEE BREWER	40 A	2	3000 / 420			1	20 A	1.8 COFFEE GRINDER	8
9	--	--	--		3000 / 1800		1	20 A	1-10 POS	10
11	DR-2 RECEPS	20 A	1			360 / 3120	2	40 A	1-11 ESPRESSO MACHINE	12
13	1-11 ESPRESSO MACHINE	40 A	2	3120 / 3120			--	--	--	14
15	--	--	--		3120 / 636		1	20 A	1-12 FRIDGE	16
17	1-14 FRONT COUNTER	20 A	1			1800 / 708	1	20 A	1-17 FRIDGE	18
19	1-20 DISHWASHER	35 A	2	2569 / 456			1	20 A	1-25 FRIDGE	20
21	--	--	--		2569 / 2051		3	30 A	1-26 RAPID COOK OVEN	22
23	1-27 SALAD FRIDGE	20 A	1			324 / 2051	--	--	--	24
25	1-29 BACK BAR CABINET	20 A	1	504 / 2051			--	--	--	26
27	1-36 DISHWASHER	35 A	2		2569 / 240		1	20 A	1-40 FRIDGE	28
29	--	--	--			2569 / 1440	1	20 A	BAR RECEPTS	30
31	BAR RECEPTS	20 A	1	900 / 0			1	20 A	SPARE	32
33	SPARE	20 A	1		0 / 0		1	20 A	SPARE	34
35	SPARE	20 A	1			0 / 0	1	20 A	SPARE	36
37	SPARE	20 A	1	0 / 0			1	20 A	SPARE	38
39	SPARE	20 A	1		0 / 0		1	20 A	SPARE	40
41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42
			Total...	18551 VA	19470 VA	14783 VA				
			Total...	159 A	167 A	123 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	5004 VA	100.00%	5004 VA		
Kitchen Equipment - Non-Dwelling Unit	47801 VA	65.00%	31070 VA	**Total Conn. Load:**	52805 VA
				Total Est. Demand:	36074 VA
				Total Conn. Current:	147 A
				Total Est. Demand Current:	100 A

Notes:

Switchboard: SBD1

Location:
Supply From:
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 200K AIC
Mains Type:
Mains Rating: 3000 A
MCB Rating: 3000 A

Circuit Number	Circuit Description	# of Poles	Switch	Fuse	Load	Remarks
1	BA	3	400 A	400 A	39173 VA	
2	BB	3	400 A	400 A	111558 VA	
3	EXISTING RECTIFIER FOR FREIGHT ELEVATOR	2	200 A	200 A	30000 VA	
4	BKA	3	400 A	400 A	52805 VA	
5	BC	3	400 A	400 A	88740 VA	
6	2A	3	400 A	400 A	81723 VA	
7	2D	3	400 A	400 A	82604 VA	
8	2E	3	400 A	400 A	45517 VA	
9	5A	3	400 A	400 A	78240 VA	
10	5D	3	400 A	400 A	55864 VA	
11	5E	3	400 A	400 A	46456 VA	
12	8A	3	400 A	400 A	77880 VA	
13	8D	3	400 A	400 A	52774 VA	
14	8E	3	400 A	400 A	49833 VA	
15	11A	3	400 A	400 A	50515 VA	
16	11B	3	400 A	400 A	100657 VA	
17	11KA	3	400 A	225 A	79735 VA	
18	LCB - LIGHTING CONTROL PANEL	3	100 A	100 A	0 VA	
19	ATS-LSB	3	200 A	200 A	22266 VA	
20	ATS-OSB	3	400 A	400 A	79263 VA	
21	DWBP-1	3	100 A	60 A	11587 VA	
22	AHU-1	3	200 A	110 A	28140 VA	
23	DOAS	3	200 A	125 A	30000 VA	
24	SPARE	1	400 A	20 A	0 VA	
25	SPARE	1	400 A	20 A	0 VA	
				Total Conn. Load:	1295313 VA	
				Total Amps:	3595 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	720661 VA	85.42%	615562 VA		
Lighting	13041 VA	100.00%	13041 VA	**Total Conn. Load:**	1295313 VA
Power	102754 VA	100.00%	102754 VA	**Total Est. Demand:**	1019819 VA
Receptacle	257684 VA	51.94%	133842 VA	**Total Conn. Current:**	3595 A
Electric Clothes Dryer	12000 VA	100.00%	12000 VA	**Total Est. Demand Current:**	2831 A
Elevator	43350 VA	82.00%	35547 VA		
Kitchen Equipment - Non-Dwelling Unit	110715 VA	65.00%	71965 VA		
Lighting - Hotel	35147 VA	100.00%	35147 VA		

Notes:

Panel: OSLPB

Location:
Supply From: ATS-OSB
Mounting: RECESSED
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RECEPS - MDF RM	20 A	1	1260 / 1000			1	20 A	TTB	2
3	DATA EQ	20 A	1		1000 / 1000		1	20 A	DATA EQ	4
5	DATA EQ	20 A	1			1000 / 1000	1	20 A	DATA EQ	6
7	DATA EQ	20 A	1	1000 / 2250			2	30 A	SE-1	8
9	4 POST RACK MDF	30 A	2		180 / 2250		--	--	--	10
11	--	--	--			180 / 2250	2	30 A	SE-2	12
13	SPARE	20 A	1	0 / 2250			--	--	--	14
15	SPARE	20 A	1		0 / 0		1	20 A	SPARE	16
17	SPARE	20 A	1			0 / 0	1	20 A	SPARE	18
19	SPARE	20 A	1	0 / 0			1	20 A	SPARE	20
21	SPARE	20 A	1		0 / 0		1	20 A	SPARE	22
23	SPARE	20 A	1			0 / 0	1	20 A	SPARE	24
25	TRANSFORMER T1(ELEV)	350 A	3	13450 / 10796			3	225 A	PANEL OSLP5 FEED THRU...	26
27	--	--	--		13450 / 6888		--	--	--	28
29	--	--	--			13450 / 4609	--	--	--	30
			Total...	32006 VA	24768 VA	22489 VA				
			Total...	270 A	209 A	187 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	7693 VA	100.00%	7693 VA		
Power	9000 VA	100.00%	9000 VA	**Total Conn. Load:**	79263 VA
Receptacle	22220 VA	72.50%	16110 VA	**Total Est. Demand:**	69118 VA
Elevator	40350 VA	90.00%	36315 VA	**Total Conn. Current:**	220 A
				Total Est. Demand Current:	192 A

Notes:

Panel: BC

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	CHWP-1	100 A	3	7449 / 7449			3	100 A	CHWP-2	2
3	--	--	--		7449 / 7449		--	--	--	4
5	--	--	--			7449 / 7449	--	--	--	6
7	FCU SB-01	20 A	2	1500 / 1100			2	20 A	FCU SB-02	8
9	--	--	--		1500 / 1100		--	--	--	10
11	FCU SB-03	20 A	2			709 / 1500	2	20 A	FCU SB-04	12
13	--	--	--	709 / 1500			--	--	--	14
15	FCU B-01	35 A	2		2586 / 2586		2	35 A	FCU B-02	16
17	--	--	--			2586 / 2586	--	--	--	18
19	AWH-1 - CORR. 105	20 A	2	1500 / 1500			2	20 A	AWH-1 - VEST. 101a	20
21	--	--	--		1500 / 1500		--	--	--	22
23	AWH	20 A	2			1500 / 1500	2	20 A	AWH-1 - VEST. 100	24
25	--	--	--	1500 / 1500			--	--	--	26
27	AWH-1 - TOILET 18A	20 A	2		1500 / 1500		2	20 A	AWH-1	28
29	--	--	--			1500 / 1500	--	--	--	30
31	DBF-1	20 A	1	529 / 2250			2	30 A	DWH-5	32
33	DBF-2	20 A	1		529 / 2250		--	--	--	34
35	HWRP-4	20 A	1			528 / 0	1	20 A	SPARE	36
37	SPARE	20 A	1	0 / 0			1	20 A	SPARE	38
39	SPARE	20 A	1		0 / 0		1	20 A	SPARE	40
41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42
			Total...	28485 VA	31448 VA	28806 VA				
			Total...	237 A	262 A	240 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	36020 VA	93.33%	33617 VA		
Power	52720 VA	100.00%	52720 VA	**Total Conn. Load:**	88740 VA
				Total Est. Demand:	86337 VA
				Total Conn. Current:	246 A
				Total Est. Demand Current:	240 A

Notes:

Panel: LSLPB

Location:
Supply From: ATS-LSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	1ST FLOOR EMERGENCY...	20 A	1	1320 / 1902			1	20 A	BSMT EMERGENCY LIGHTING	2
3	1ST FLOOR EMERGENCY...	20 A	1		1440 / 500		1	20 A	BATTERY CHARGER	4
5	1ST FLOOR EMERGENCY...	20 A	1			889 / 500	1	20 A	GENERATOR HEATER	6
7	BSMT ELEVATOR PIT...	20 A	1	45 / 500			1	20 A	GENERATOR ANNUNCIATOR	8
9	BSMT ELEVATOR PIT...	20 A	1		45 / 500		1	20 A	CONTROL PANEL	10
11	BSMT ELEVATOR PIT...	20 A	1			45 / 0	1	20 A	SPARE	12
13	BSMT ELEVATOR PIT...	20 A	1	45 / 0			1	20 A	SPARE	14
15	FIRE DAMPER...	20 A	1		200 / 0		1	20 A	SPARE	16
17	SPARE	20 A	1			0 / 0	1	20 A	SPARE	18
19	SPARE	20 A	1	0 / 0			1	20 A	SPARE	20
21	SPARE	20 A	1		0 / 0		1	20 A	SPARE	22
23	SPARE	20 A	1			0 / 0	1	20 A	SPARE	24
25	SPARE	20 A	1	0 / 5830			3	200 A	PANEL LSLP2 FEED THRU...	26
27	SPARE	20 A	1		0 / 5816		--	--	--	28
29	SPARE	20 A	1			0 / 2713	--	--	--	30
			Total...	9627 VA	8501 VA	4144 VA				
			Total...	86 A	76 A	35 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	431 VA	100.00%	431 VA		
Power	14389 VA	100.00%	14389 VA	**Total Conn. Load:**	22266 VA
Receptacle	180 VA	100.00%	180 VA	**Total Est. Demand:**	22266 VA
Lighting - Hotel	7286 VA	100.00%	7286 VA	**Total Conn. Current:**	62 A
				Total Est. Demand Current:	62 A

Notes:

Panel: LSLP2

Location:
Supply From: LSLPB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 200 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	2ND FLOOR EMERGENCY...	20 A	1	106 / 10			1	20 A	Lighting	2
3	3RD FLOOR EMERGENCY...	20 A	1		10 / 48		1	20 A	Lighting - Hotel	4
5	4TH FLOOR EMERGENCY...	20 A	1			189 / 0	1	20 A	SPARE	6
7	LIGHTING	20 A	1	1000 / 0			1	20 A	SPARE	8
9	LIGHTING	20 A	1		1000 / 0		1	20 A	SPARE	10
11	3RD FLOOR STAIRS	20 A	1			80 / 0	1	20 A	SPARE	12
13	SPARE	20 A	1	0 / 0			1	20 A	SPARE	14
15	SPARE	20 A	1		0 / 0		1	20 A	SPARE	16
17	SPARE	20 A	1			0 / 0	1	20 A	SPARE	18
19	SPARE	20 A	1	0 / 4718			3	200 A	PANEL LSLP5 FEED THRU...	20
21	SPARE	20 A	1		0 / 4760		--	--	--	22
23	SPARE	20 A	1			0 / 2447	--	--	--	24
			Total...	5830 VA	5816 VA	2713 VA				
			Total...	53 A	52 A	23 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	55 VA	100.00%	55 VA		
Power	12189 VA	100.00%	12189 VA	**Total Conn. Load:**	14356 VA
Receptacle	180 VA	100.00%	180 VA	**Total Est. Demand:**	14356 VA
Lighting - Hotel	1948 VA	100.00%	1948 VA	**Total Conn. Current:**	40 A
				Total Est. Demand Current:	40 A

Notes:
PANEL SCHEDULE TYPICAL FOR PANELS LSLP5 & LSLP8

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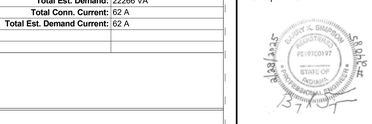

SHEET ISSUE

1	ASI-02	11/11/2022
2	DD REISSUE	12/09/2024
3	100% CD	2/28/2025

CIRCLE DESIGN GROUP
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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E-502

2/28/2025 4:17:23 PM

Panel: 2A

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM. 201 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 208 - GENERAL REC/LTG	2
3	RM. 201 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 208 - BATHROOM REC/LTG	4
5	RM. 201 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 208 - COFFEE/FRIDGE	6
7	RM. 202 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 209 - GENERAL REC/LTG	8
9	RM. 202 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 209 - BATH REC/LTG	10
11	RM. 202 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 209 - COFFEE/FRIDGE	12
13	RM. 203 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 210 - GENERAL REC/LTG	14
15	RM. 203 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 210 - BATHROOM REC/LTG	16
17	RM. 203 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 210 - COFFEE/FRIDGE	18
19	RM. 204 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 211 - GENERAL REC/LTG	20
21	RM. 204 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 211 - BATHROOM REC/LTG	22
23	RM. 204 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 211 - COFFEE/FRIDGE	24
25	RM. 205 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 212 - GENERAL REC/LTG	26
27	RM. 205 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 212 - BATHROOM REC/LTG	28
29	RM. 205 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 212 - COFFEE/FRIDGE	30
31	RM. 206 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	2ND FLR DISHWASWHER	32
33	RM. 206 - BATHROOM...	20 A	1		300 / 900		1	20 A	2ND FLR GEN. RECEPS	34
35	RM. 206 - COFFEE/FRIDGE	20 A	1			600 / 720	1	20 A	BOH RECEPS	36
37	RM. 207 - GENERAL REC/LTG	20 A	1	1000 / 208			1	20 A	LIGHTING	38
39	RM. 207 - BATHROOM...	20 A	1		300 / 165		1	20 A	Lighting - Hotel	40
41	RM. 207 - COFFEE/FRIDGE	20 A	1			600 / 300	1	20 A	FF-1	42
43	2ND SOUTH MOTOR SHADES	20 A	1	500 / 1248			2	25 A	HWRP-3	44
45	2ND NORTH MOTOR SHADES	20 A	1		500 / 1248		--	--	--	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 28700			3	250 A	PANEL 2B FEED THRU LUGS	56
57	SPARE	20 A	1		0 / 7852		--	--	--	58
59	SPARE	20 A	1			0 / 15600	--	--	--	60
			Total...	43646 VA	14257 VA	23820 VA				
			Total...	376 A	119 A	211 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	300 VA	100.00%	300 VA		
Lighting - Hotel	11807 VA	100.00%	11807 VA	**Total Conn. Load:**	81723 VA
Power	4396 VA	100.00%	4396 VA	**Total Est. Demand:**	54113 VA
Receptacle	65220 VA	57.67%	37610 VA	**Total Conn. Current:**	227 A
				Total Est. Demand Current:	150 A

Notes:
PANEL SCHEDULE TYPICAL FOR PANELS 2A, 5A, 8A. CHANGE LOAD NAME AS REQUIRED FOR ROOM NUMBERS.

Panel: 2B

Location:
Supply From: 2A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM. 301 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 308 - GENERAL...	2
3	RM. 301 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 308 - BATH RECEP	4
5	RM. 301 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 308 - COFFEE/FRIDGE	6
7	RM. 302 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 309 - GENERAL...	8
9	RM. 302 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 309 - BATH RECEP	10
11	RM. 302 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 309 - COFFEE/FRIDGE	12
13	RM. 303 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 310 - GENERAL...	14
15	RM. 303 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 310 - BATH RECEP	16
17	RM. 303 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 310 - COFFEE/FRIDGE	18
19	RM. 304 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 311 - GENERAL...	20
21	RM. 304 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 311 - BATH RECEP	22
23	RM. 304 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 311 - COFFEE/FRIDGE	24
25	RM. 305 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 312 - GENERAL...	26
27	RM. 305 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 312 - BATH RECEP	28
29	RM. 305 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 312 - COFFEE/FRIDGE	30
31	RM. 306 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 315 - GENERAL...	32
33	RM. 306 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 315 - BATH RECEP	34
35	RM. 306 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 315 - COFFEE/FRIDGE	36
37	RM. 307 - GENERAL REC/LTG	20 A	1	1000 / 1440			1	20 A	3RD FLR GEN. RECEPS	38
39	RM. 307 - BATHROOM...	20 A	1		300 / 55		1	20 A	Lighting - Hotel	40
41	RM. 307 - COFFEE/FRIDGE	20 A	1			600 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 14260			3	20 A	PANEL 2C FEED THRU LUGS	56
57	SPARE	20 A	1		0 / 3900		--	--	--	58
59	SPARE	20 A	1			0 / 7800	--	--	--	60
			Total...	28700 VA	7852 VA	15600 VA				
			Total...	249 A	65 A	140 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Hotel	7852 VA	100.00%	7852 VA		
Power	900 VA	100.00%	900 VA	**Total Conn. Load:**	52152 VA
Receptacle	43400 VA	61.52%	26700 VA	**Total Est. Demand:**	35452 VA
				Total Conn. Current:	145 A
				Total Est. Demand Current:	98 A

Notes:
PANEL SCHEDULE TYPICAL FOR PANELS 2B, 5B, 8B. CHANGE LOAD NAME AS REQUIRED FOR ROOM NUMBERS.

Panel: 2C

Location:
Supply From: 2B
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM. 401 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 407 - GENERAL REC/LTG	2
3	RM. 401 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 407 - BATHROOM REC/LTG	4
5	RM. 401 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 407 - COFFEE/FRIDGE	6
7	RM. 402 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 408 - GENERAL REC/LTG	8
9	RM. 402 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 408 - BATHROOM REC/LTG	10
11	RM. 402 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 408 - COFFEE/FRIDGE	12
13	RM. 403 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 409 - GENERAL REC/LTG	14
15	RM. 403 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 409 - BATHROOM REC/LTG	16
17	RM. 403 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 409 - COFFEE/FRIDGE	18
19	RM. 404 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 410 - GENERAL REC/LTG	20
21	RM. 404 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 410 - BATHROOM REC/LTG	22
23	RM. 404 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 410 - COFFEE/FRIDGE	24
25	RM. 405 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 411 - GENERAL REC/LTG	26
27	RM. 405 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 411 - BATHROOM REC/LTG	28
29	RM. 405 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 411 - COFFEE/FRIDGE	30
31	RM. 406 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 412 - GENERAL REC/LTG	32
33	RM. 406 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 412 - BATHROOM REC/LTG	34
35	RM. 406 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 412 - COFFEE/FRIDGE	36
37	4TH FLR GEN. RECEPS	20 A	1	1260 / 1000			1	20 A	RM. 415 GENERAL REC/LTG	38
39	SPARE	20 A	1		0 / 300		1	20 A	RM. 415 BATHROOM REC/LTG	40
41	SPARE	20 A	1			0 / 600	1	20 A	RM. 415 COFFEE/FRIDGE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 0			1	20 A	SPARE	56
57	SPARE	20 A	1		0 / 0		1	20 A	SPARE	58
59	SPARE	20 A	1			0 / 0	1	20 A	SPARE	60
			Total...	14260 VA	3900 VA	7800 VA				
			Total...	124 A	33 A	70 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Hotel	3900 VA	100.00%	3900 VA		
Power	720 VA	100.00%	720 VA	**Total Conn. Load:**	25960 VA
Receptacle	21340 VA	73.43%	15670 VA	**Total Est. Demand:**	20290 VA
				Total Conn. Current:	72 A
				Total Est. Demand Current:	56 A

Notes:
PANEL SCHEDULE TYPICAL FOR PANELS 2C, 5C, 8C. CHANGE LOAD NAME AS REQUIRED FOR ROOM NUMBERS.

Panel: 2D

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	FCU 2-01	35 A	2	2586 / 1689			2	25 A	FCU 3-01	2
3	--	--	--		2586 / 1689		--	--	--	4
5	FCU 2-02	35 A	2			2586 / 2586	2	35 A	FCU 3-02	6
7	--	--	--	2586 / 2586			--	--	--	8
9	FCU 2-03	20 A	2		1100 / 1306		2	20 A	FCU 3-03	10
11	--	--	--			1100 / 1306	--	--	--	12
13	FCU 2-04	35 A	2	2586 / 1306			2	20 A	FCU 3-04	14
15	--	--	--		2586 / 1306		--	--	--	16
17	FCU 2-05	35 A	2			2586 / 1689	2	25 A	FCU 3-05	18
19	--	--	--	2586 / 1689			--	--	--	20
21	FCU 2-06	25 A	2		1689 / 1306		2	20 A	FCU 3-06	22
23	--	--	--			1689 / 1306	--	--	--	24
25	FCU 2-07	35 A	2	2588 / 1306			2	20 A	FCU 3-07	26
27	--	--	--		2588 / 1306		--	--	--	28
29	FCU 2-08	35 A	2			2588 / 1689	2	25 A	FCU 3-08	30
31	--	--	--	2588 / 1689			--	--	--	32
33	FCU 2-09	25 A	2		1689 / 0		2	20 A	SPARE	34
35	--	--	--			1689 / 0	--	--	--	36
37	FCU 2-10	35 A	2	2586 / 0			2	20 A	SPARE	38
39	--	--	--		2586 / 0		--	--	--	40
41	FCU 2-11	35 A	2			2586 / 0	2	25 A	SPARE	42
43	--	--	--	2586 / 0			--	--	--	44
45	FCU 2-12	15 A	2		899 / 0		2	35 A	SPARE	46
47	--	--	--			899 / 0	--	--	--	48
49	FCU 2-13	15 A	2	899 / 0			2	25 A	SPARE	50
51	--	--	--		899 / 0		--	--	--	52
53	FCU 2-14	15 A	2			709 / 0	2	35 A	SPARE	54
55	--	--	--	709 / 0			--	--	--	56
57	FCU 2-15	15 A	2		750 / 0		2	20 A	SPARE	58
59	--	--	--			750 / 0	--	--	--	60
			Total...	32563 VA	24284 VA	25757 VA				
			Total...	273 A	202 A	217 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	82604 VA	88.63%	73213 VA		
				Total Conn. Load:	82604 VA
				Total Est. Demand:	73213 VA
				Total Conn. Current:	229 A
				Total Est. Demand Current:	203 A

Notes:
1. PANEL SCHEDULE TYPICAL FOR PANELS 2D, 5D, 8D. CHANGE LOAD NAME AS REQUIRED FOR FAN COIL UNITS ON THOSE FLOORS.
2. SEE MOTORIZED EQUIPMENT SCHEDULE FOR SIZE OF CIRCUIT BREAKER FOR EACH TYPE FCU.

Panel: 2E

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	FCU 3-09	15 A	2	899 / 1306			2	20 A	FCU 4-01	2
3	--	--	--		899 / 1306		--	--	--	4
5	FCU 3-10	15 A	2			899 / 2586	2	35 A	FCU 4-02	6
7	--	--	--	899 / 2586			--	--	--	8
9	FCU 3-11	25 A	2		1689 / 899		2	15 A	FCU 4-03	10
11	--	--	--			1689 / 899	--	--	--	12
13	FCU 3-12	15 A	2	709 / 899			2	15 A	FCU 4-04	14
15	--	--	--		709 / 899		--	--	--	16
17	FCU 3-13	20 A	2			1306 / 1689	2	25 A	FCU 4-05	18
19	--	--	--	1306 / 1689			--	--	--	20
21	FCU 3-14	15 A	2		899 / 899		2	15 A	FCU 4-06	22
23	--	--	--			899 / 899	--	--	--	24
25	FCU 4-11	20 A	2	1306 / 899			2	15 A	FCU 4-07	26
27	--	--	--		1306 / 899		--	--	--	28
29	FCU 4-12	15 A	2			542 / 1689	2	25 A	FCU 4-08	30
31	--	--	--	542 / 1689			--	--	--	32
33	FCU 4-13	20 A	2		1306 / 899		2	15 A	FCU 4-09	34
35	--	--	--			1306 / 899	--	--	--	36
37	FCU 4-15	15 A	2	542 / 899			2	15 A	FCU 4-10	38
39	--	--	--		542 / 899		--	--	--	40
41	SPARE	15 A	2			0 / 0	2	20 A	SPARE	42
43	--	--	--	0 / 0			--	--	--	44
45	SPARE	15 A	2		0 / 0		2	20 A	SPARE	46
47	--	--	--			0 / 0	--	--	--	48
49	SPARE	20 A	2	0 / 0			2	20 A	SPARE	50
51	--	--	--		0 / 0		--	--	--	52
53	SPARE	25 A	2			0 / 0	2	25 A	SPARE	54
55	--	--	--	0 / 0			--	--	--	56
57	SPARE	35 A	2		0 / 0		2	35 A	SPARE	58
59	--	--	--			0 / 0	--	--	--	60
			Total...	16169 VA	14047 VA	15301 VA				
			Total...	136 A	117 A	129 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	45517 VA	91.59%	41690 VA		
				Total Conn. Load:	45517 VA
				Total Est. Demand:	41690 VA
				Total Conn. Current:	126 A
				Total Est. Demand Current:	116 A

Notes:
1. PANEL SCHEDULE TYPICAL FOR PANELS 2E, 5E, 8E. CHANGE LOAD NAME AS REQUIRED FOR FAN COIL UNITS ON THOSE FLOORS.
2. SEE MOTORIZED EQUIPMENT SCHEDULE FOR SIZE OF CIRCUIT BREAKER FOR EACH TYPE FCU.

3

Panel: OSLP8

Location:
Supply From: OSLP5
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RECEP - IDF RM	20 A	1	1500 / 1500			1	20 A	RECEP - IDF RM	2
3	RECEPS - IDF RM	20 A	1		720 / 1000		1	20 A	RECEP - IDF RM	4
5	RECEP - IDF RM	20 A	1			1000 / 1440	1	20 A	RECEP - IDF RM	6
7	FCU 10-14	15 A	2	709 / 1500			1	20 A	RECEP - IDF RM	8
9	--	--	--		709 / 1500		1	20 A	RECEP - IDF RM	10
11	RECEPS - IDF RM	20 A	1			720 / 899	2	15 A	FCU 7-14	12
13	FCU 11-05	25 A	2	1689 / 899			--	--	--	14
15	--	--	--		1689 / 0		1	20 A	SPARE	16
17	SPARE	20 A	1			0 / 0	1	20 A	SPARE	18
19	SPARE	20 A	1	0 / 0			1	20 A	SPARE	20
21	SPARE	20 A	1		0 / 0		1	20 A	SPARE	22
23	SPARE	20 A	1			0 / 0	1	20 A	SPARE	24
			Total...	7796 VA	5618 VA	4059 VA				
			Total...	67 A	49 A	34 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6593 VA	100.00%	6593 VA		
Receptacle	10880 VA	95.96%	10440 VA	**Total Conn. Load:**	17473 VA
				Total Est. Demand:	17033 VA
				Total Conn. Current:	48 A
				Total Est. Demand Current:	47 A

Notes:

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SEAL | DATE

SHEET ISSUE

1	ADDENDUM #4	07/11/2022
2	DD REISSUE	12/09/2024
3	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E-503

2/28/2025 4:17:31 PM

Panel: 5A

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM. 501 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 508 - GENERAL REC/LTG	2
3	RM. 501 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 508- BATHROOM REC/LTG	4
5	RM. 501 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 508 - COFFEE/FRIDGE	6
7	RM. 502 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 509 - GENERAL REC/LTG	8
9	RM. 502 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 509 - BATHROOM REC/LTG	10
11	RM. 502 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 509 - COFFEE/FRIDGE	12
13	RM. 503 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 510 - GENERAL REC/LTG	14
15	RM. 503 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 510 - BATHROOM REC/LTG	16
17	RM. 503 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 510 - COFFEE/FRIDGE	18
19	RM. 504 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 511 - GENERAL REC/LTG	20
21	RM. 504 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 511 - BATHROOM REC/LTG	22
23	RM. 504 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 511 - COFFEE/FRIDGE	24
25	RM. 505 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 512 - GENERAL REC/LTG	26
27	RM. 505 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 512 - BATHROOM REC/LTG	28
29	RM. 505 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 512 - COFFEE/FRIDGE	30
31	RM. 506 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 515 - GENERAL REC/LTG	32
33	RM. 506 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 515 - BATHROOM REC/LTG	34
35	RM. 506 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 515 - COFFEE/FRIDGE	36
37	RM. 507 - GENERAL REC/LTG	20 A	1	1000 / 1440			1	20 A	5TH FLOOR GENERAL RECEPS	38
39	RM. 507 - BATHROOM...	20 A	1		300 / 0		1	20 A	SPARE	40
41	RM. 507 - COFFEE/FRIDGE	20 A	1			600 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 28700			3	400 A	FEED THRU LUGS PANEL 5B	56
57	SPARE	20 A	1		0 / 7800		--	--	--	58
59	SPARE	20 A	1			0 / 15600	--	--	--	60
			Total...	43140 VA	11700 VA	23400 VA				
			Total...	375 A	98 A	210 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Hotel	11700 VA	100.00%	11700 VA		
Power	180 VA	100.00%	180 VA	**Total Conn. Load:**	78240 VA
Receptacle	66360 VA	57.53%	38180 VA	**Total Est. Demand:**	50060 VA
				Total Conn. Current:	217 A
				Total Est. Demand Current:	139 A

Notes:

Panel: 5B

Location:
Supply From: 5A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM. 601 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 608 - GENERAL REC/LTG	2
3	RM. 601 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 608 - BATHROOM REC/LTG	4
5	RM. 601 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 608 - COFFEE/FRIDGE	6
7	RM. 602 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 609 - GENERAL REC/LTG	8
9	RM. 602 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 609 - BATHROOM REC/LTG	10
11	RM. 602 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 609 - COFFEE/FRIDGE	12
13	RM. 603 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 610 - GENERAL REC/LTG	14
15	RM. 603 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 610 - BATHROOM REC/LTG	16
17	RM. 603 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 610 - COFFEE/FRIDGE	18
19	RM. 604 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 611 - GENERAL REC/LTG	20
21	RM. 604 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 611 - BATHROOM REC/LTG	22
23	RM. 604 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 611 - COFFEE/FRIDGE	24
25	RM. 605 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 612 - GENERAL REC/LTG	26
27	RM. 605 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 612 - BATHROOM REC/LTG	28
29	RM. 605 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 612 - COFFEE/FRIDGE	30
31	RM. 606 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 615 - GENERAL REC/LTG	32
33	RM. 606 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 615 - BATHROOM REC/LTG	34
35	RM. 606 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 615 - COFFEE/FRIDGE	36
37	RM. 607 - GENERAL REC/LTG	20 A	1	1000 / 1440			1	20 A	6TH FLOOR GENERAL RECEPS	38
39	RM. 607 - BATHROOM...	20 A	1		300 / 0		1	20 A	SPARE	40
41	RM. 607 - COFFEE/FRIDGE	20 A	1			600 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 14260			3	400 A	FEED THRU LUGS PANEL 5C	56
57	SPARE	20 A	1		0 / 3900		--	--	--	58
59	SPARE	20 A	1			0 / 7800	--	--	--	60
			Total...	28700 VA	7800 VA	15600 VA				
			Total...	249 A	65 A	140 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Hotel	7800 VA	100.00%	7800 VA		
Receptacle	44300 VA	61.29%	27150 VA	**Total Conn. Load:**	52100 VA
				Total Est. Demand:	34950 VA
				Total Conn. Current:	145 A
				Total Est. Demand Current:	97 A

Notes:

Panel: 5C

Location:
Supply From: 5B
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM. 701 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 708 - GENERAL REC/LTG	2
3	RM. 701 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 708 - BATHROOM REC/LTG	4
5	RM. 701 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 708 - COFFEE/FRIDGE	6
7	RM. 702 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 709 - GENERAL REC/LTG	8
9	RM. 702 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 709 - BATHROOM REC/LTG	10
11	RM. 702 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 709 - COFFEE/FRIDGE	12
13	RM. 703 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 710 - GENERAL REC/LTG	14
15	RM. 703 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 710 - BATHROOM REC/LTG	16
17	RM. 703 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 710 - COFFEE/FRIDGE	18
19	RM. 704 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 711 - GENERAL REC/LTG	20
21	RM. 704 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 711 - BATHROOM REC/LTG	22
23	RM. 704 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 711 - COFFEE/FRIDGE	24
25	RM. 705 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 712 - GENERAL REC/LTG	26
27	RM. 705 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 712 - BATHROOM REC/LTG	28
29	RM. 705 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 712 - COFFEE/FRIDGE	30
31	RM. 706 - GENERAL REC/LTG	20 A	1	1000 / 1000			1	20 A	RM. 715 - GNERAL REC/LTG	32
33	RM. 706 - BATHROOM...	20 A	1		300 / 300		1	20 A	RM. 715 - BATHROOM REC/LTG	34
35	RM. 706 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM. 715 - COFFEE/FRIDGE	36
37	RM. 707 - GENERAL REC/LTG	20 A	1	1000 / 1260			1	20 A	7TH FLOOR GENERAL RECEPS	38
39	RM. 707 - BATHROOM...	20 A	1		300 / 0		1	20 A	SPARE	40
41	RM. 707 - COFFEE/FRIDGE	20 A	1			600 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 0			1	20 A	SPARE	56
57	SPARE	20 A	1		0 / 0		1	20 A	SPARE	58
59	SPARE	20 A	1			0 / 0	1	20 A	SPARE	60
			Total...	14260 VA	3900 VA	7800 VA				
			Total...	124 A	33 A	70 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting - Hotel	3900 VA	100.00%	3900 VA		
Receptacle	22060 VA	72.67%	16030 VA	**Total Conn. Load:**	25960 VA
				Total Est. Demand:	19930 VA
				Total Conn. Current:	72 A
				Total Est. Demand Current:	55 A

Notes:

Panel: 5D

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	FCU 5-01	20 A	2	1306 / 1306			2	20 A	FCU 6-01	2
3	--	--	--		1306 / 1306		--	--	--	4
5	FCU 5-02	35 A	2			2586 / 2586	2	35 A	FCU 6-02	6
7	--	--	--	2586 / 2586			--	--	--	8
9	FCU 5-03	15 A	2		899 / 899		2	15 A	FCU 6-03	10
11	--	--	--			899 / 899	--	--	--	12
13	FCU 5-04	15 A	2	899 / 899			2	15 A	FCU 6-04	14
15	--	--	--		899 / 899		--	--	--	16
17	FCU 5-05	25 A	2			1689 / 1689	2	25 A	FCU 6-05	18
19	--	--	--	1689 / 1689			--	--	--	20
21	FCU 5-06	15 A	2		899 / 899		2	15 A	FCU 6-06	22
23	--	--	--			899 / 899	--	--	--	24
25	FCU 5-07	15 A	2	899 / 899			2	15 A	FCU 6-07	26
27	--	--	--		899 / 899		--	--	--	28
29	FCU 5-08	25 A	2			1689 / 1689	2	25 A	FCU 6-08	30
31	--	--	--	1689 / 1689			--	--	--	32
33	FCU 5-09	15 A	2		899 / 0		2	15 A	SPARE	34
35	--	--	--			899 / 0	--	--	--	36
37	FCU 5-10	15 A	2	899 / 0			2	15 A	SPARE	38
39	--	--	--		899 / 0		--	--	--	40
41	FCU 5-11	20 A	2			1306 / 0	2	20 A	SPARE	42
43	--	--	--	1306 / 0			--	--	--	44
45	FCU 5-12	15 A	2		1306 / 0		2	20 A	SPARE	46
47	--	--	--			1306 / 0	--	--	--	48
49	FCU 5-13	20 A	2	709 / 0			2	25 A	SPARE	50
51	--	--	--		709 / 0		--	--	--	52
53	FCU 5-14	15 A	2			543 / 0	2	35 A	SPARE	54
55	--	--	--	543 / 0			--	--	--	56
57	FCU 5-15	15 A	2		543 / 0		2	35 A	SPARE	58
59	--	--	--			543 / 0	--	--	--	60
			Total...	21591 VA	14156 VA	20118 VA				
			Total...	188 A	118 A	175 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	55864 VA	90.37%	50484 VA		
				Total Conn. Load:	55864 VA
				Total Est. Demand:	50484 VA
				Total Conn. Current:	155 A
				Total Est. Demand Current:	140 A

Notes:

Panel: 5E

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	FCU 6-09	15 A	2	899 / 1689			2	25 A	FCU 7-08	2
3	--	--	--		899 / 1689		--	--	--	4
5	FCU 6-10	15 A	2			899 / 899	2	15 A	FCU 7-09	6
7	--	--	--	899 / 899			--	--	--	8
9	FCU 6-11	20 A	2		1306 / 899		2	15 A	FCU 7-10	10
11	--	--	--			1306 / 899	--	--	--	12
13	FCU 6-12	15 A	2	1306 / 1306			2	20 A	FCU 7-11	14
15	--	--	--		1306 / 1306		--	--	--	16
17	FCU 6-13	20 A	2			709 / 709	2	15 A	FCU 7-12	18
19	--	--	--	709 / 709			--	--	--	20
21	FCU 6-14	15 A	2		709 / 1306		2	20 A	FCU 7-13	22
23	--	--	--			709 / 1306	--	--	--	24
25	FCU 6-15	15 A	2	709 / 709			2	15 A	FCU 7-15	26
27	--	--	--		709 / 709		--	--	--	28
29	FCU 7-01	20 A	2			1306 / 0	2	20 A	SPARE	30
31	--	--	--	1306 / 0			--	--	--	32
33	FCU 7-02	35 A	2		2586 / 0		2	20 A	SPARE	34
35	--	--	--			2586 / 0	--	--	--	36
37	FCU 7-03	15 A	2	899 / 0			2	20 A	SPARE	38
39	--	--	--		899 / 0		--	--	--	40
41	FCU 7-04	15 A	2			899 / 0	2	25 A	SPARE	42
43	--	--	--	899 / 0			--	--	--	44
45	FCU 7-05	25 A	2		1689 / 0		2	25 A	SPARE	46
47	--	--	--			1689 / 0	--	--	--	48
49	FCU 7-06	15 A	2	899 / 0			2	25 A	SPARE	50
51	--	--	--		899 / 0		--	--	--	52
53	FCU 7-07	15 A	2			899 / 0	2	35 A	SPARE	54
55	--	--	--	899 / 0			--	--	--	56
57	SPARE	20 A	2		0 / 0		2	35 A	SPARE	58
59	--	--	--			0 / 0	--	--	--	60
			Total...	14733 VA	16910 VA	14813 VA				
			Total...	123 A	141 A	124 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	46456 VA	91.46%	42487 VA		
				Total Conn. Load:	46456 VA
				Total Est. Demand:	42487 VA
				Total Conn. Current:	129 A
				Total Est. Demand Current:	118 A

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SHEET ISSUE

1	DD REISSUE	12/09/2024
2	100% CD	2/28/2025

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INDIANAPOLIS, IN | 317.781.6200
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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E-504

2/28/2025 4:17:39 PM

Panel: 8A

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM 801 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 808 - GENERAL REC/LTG.	2
3	RM 801 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 808 - BATHROOM	4
5	RM 801 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 808 - COFFEE/FRIDGE	6
7	RM 802 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 809 - GENERAL REC/LTG.	8
9	RM 802 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 809 - BATHROOM	10
11	RM 802 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 809 - COFFEE/FRIDGE	12
13	RM 803 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 810 - GENERAL REC/LTG.	14
15	RM 803 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 810 - BATHROOM	16
17	RM 803 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 810 - COFFEE/FRIDGE	18
19	RM 804 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 811 - GENERAL REC/LTG.	20
21	RM 804 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 811 - BATHROOM	22
23	RM 804 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 811 - COFFEE/FRIDGE	24
25	RM 805 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 812 - GENERAL REC/LTG.	26
27	RM 805 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 812 - BATHROOM	28
29	RM 805 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 812 - COFFEE/FRIDGE	30
31	RM 806 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 815 - GENERAL REC/LTG	32
33	RM 806 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 815 - BATHROOM	34
35	RM 806 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 815 - COFFEE/FRIDGE	36
37	RM 807 - GENERAL REC/LTG.	20 A	1	1000 / 1080			1	20 A	8TH FLOOR GENERAL RECEPS	38
39	RM 807 - BATHROOM	20 A	1		300 / 0		1	20 A	SPARE	40
41	RM 807 - COFFEE/FRIDGE	20 A	1			600 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 28700			3	400 A	FEED THRU LUGS PANEL 8B	56
57	SPARE	20 A	1		0 / 7800		--	--	--	58
59	SPARE	20 A	1			0 / 15600	--	--	--	60
			Total...	42780 VA	11700 VA	23400 VA				
			Total...	372 A	98 A	210 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	11700 VA	100.00%	11700 VA		
Receptacle	66180 VA	57.56%	38090 VA	**Total Conn. Load:**	77880 VA
				Total Est. Demand:	49790 VA
				Total Conn. Current:	216 A
				Total Est. Demand Current:	138 A

Notes:

Panel: 8B

Location:
Supply From: 8A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM 901 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 908 - GENERAL REC/LTG.	2
3	RM 901 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 908 - BATHROOM	4
5	RM 901 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 908 - COFFEE/FRIDGE	6
7	RM 902 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 909 - GENERAL REC/LTG.	8
9	RM 902 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 909 - BATHROOM	10
11	RM 902 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 909 - COFFEE/FRIDGE	12
13	RM 903 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 910 - GENERAL REC/LTG.	14
15	RM 903 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 910 - BATHROOM	16
17	RM 903 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 910 - COFFEE/FRIDGE	18
19	RM 904 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 911 - GENERAL REC/LTG.	20
21	RM 904 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 911 - BATHROOM	22
23	RM 904 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 911 - COFFEE/FRIDGE	24
25	RM 905 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 912 - GENERAL REC/LTG.	26
27	RM 905 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 912 - BATHROOM	28
29	RM 905 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 912 - COFFEE/FRIDGE	30
31	RM 906 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 915 - GENERAL REC/LTG	32
33	RM 906 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 915 - BATHROOM	34
35	RM 906 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 915 - COFFEE/FRIDGE	36
37	RM 907 - GENERAL REC/LTG.	20 A	1	1000 / 1440			1	20 A	9TH FLOOR GENERAL RECEPS	38
39	RM 907 - BATHROOM	20 A	1		300 / 0		1	20 A	SPARE	40
41	RM 907 - COFFEE/FRIDGE	20 A	1			600 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 14260			3	400 A	FEED THRU LUGS PANEL 8C	56
57	SPARE	20 A	1		0 / 3900		--	--	--	58
59	SPARE	20 A	1			0 / 7800	--	--	--	60
			Total...	28700 VA	7800 VA	15600 VA				
			Total...	249 A	65 A	140 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	7800 VA	100.00%	7800 VA		
Receptacle	44300 VA	61.29%	27150 VA	**Total Conn. Load:**	52100 VA
				Total Est. Demand:	34950 VA
				Total Conn. Current:	145 A
				Total Est. Demand Current:	97 A

Notes:

Panel: 8C

Location:
Supply From: 8B
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	RM 1001 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 1008 - GENERAL REC/LTG.	2
3	RM 1001 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 1008 - BATHROOM	4
5	RM 1001 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 1008 - COFFEE/FRIDGE	6
7	RM 1002 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 1009 - GENERAL REC/LTG.	8
9	RM 1002 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 1009 - BATHROOM	10
11	RM 1002 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 1009 - COFFEE/FRIDGE	12
13	RM 1003 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 1010 - GENERAL REC/LTG.	14
15	RM 1003 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 1010 - BATHROOM	16
17	RM 1003 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 1010 - COFFEE/FRIDGE	18
19	RM 1004 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 1011 - GENERAL REC/LTG.	20
21	RM 1004 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 1011 - BATHROOM	22
23	RM 1004 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 1011 - COFFEE/FRIDGE	24
25	RM 1005 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 1012 - GENERAL REC/LTG.	26
27	RM 1005 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 1012 - BATHROOM	28
29	RM 1005 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 1012 - COFFEE/FRIDGE	30
31	RM 1006 - GENERAL REC/LTG.	20 A	1	1000 / 1000			1	20 A	RM 1015 - GENERAL REC/LTG	32
33	RM 1006 - BATHROOM	20 A	1		300 / 300		1	20 A	RM 1015 - BATHROOM	34
35	RM 1006 - COFFEE/FRIDGE	20 A	1			600 / 600	1	20 A	RM 1015 - COFFEE/FRIDGE	36
37	RM 1007 - GENERAL REC/LTG.	20 A	1	1000 / 1260			1	20 A	10TH FLOOR GENERAL RECEPS	38
39	RM 1007 - BATHROOM	20 A	1		300 / 0		1	20 A	SPARE	40
41	RM 1007 - COFFEE/FRIDGE	20 A	1			600 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 0			1	20 A	SPARE	56
57	SPARE	20 A	1		0 / 0		1	20 A	SPARE	58
59	SPARE	20 A	1			0 / 0	1	20 A	SPARE	60
			Total...	14260 VA	3900 VA	7800 VA				
			Total...	124 A	33 A	70 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	3900 VA	100.00%	3900 VA		
Receptacle	22060 VA	72.67%	16030 VA	**Total Conn. Load:**	25960 VA
				Total Est. Demand:	19930 VA
				Total Conn. Current:	72 A
				Total Est. Demand Current:	55 A

Notes:

Panel: 8D

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	FCU 8-01	20 A	2	1306 / 709			2	15 A	FCU 8-14	2
3	--	--	--		1306 / 709		--	--	--	4
5	FCU 8-02	35 A	2			2586 / 709	2	15 A	FCU 8-15	6
7	--	--	--	2586 / 709			--	--	--	8
9	FCU 8-03	15 A	2		899 / 1306		2	20 A	FCU 9-01	10
11	--	--	--			899 / 1306	--	--	--	12
13	FCU 8-04	15 A	2	899 / 2586			2	35 A	FCU 9-02	14
15	--	--	--		899 / 2586		--	--	--	16
17	FCU 8-05	25 A	2			1689 / 899	2	15 A	FCU 9-03	18
19	--	--	--	1689 / 899			--	--	--	20
21	FCU 8-06	15 A	2		899 / 899		2	15 A	FCU 9-04	22
23	--	--	--			899 / 899	--	--	--	24
25	FCU 8-07	15 A	2	899 / 1500			2	25 A	FCU 9-05	26
27	--	--	--		899 / 1500		--	--	--	28
29	FCU 8-08	25 A	2			1689 / 899	2	15 A	FCU 9-06	30
31	--	--	--	1689 / 899			--	--	--	32
33	FCU 8-09	15 A	2		899 / 899		2	15 A	FCU 9-07	34
35	--	--	--			899 / 899	--	--	--	36
37	FCU 8-10	15 A	2	899 / 0			2	20 A	SPARE	38
39	--	--	--		899 / 0		--	--	--	40
41	FCU 8-11	20 A	2			1306 / 0	2	20 A	SPARE	42
43	--	--	--	1306 / 0			--	--	--	44
45	FCU 8-12	15 A	2		709 / 0		2	25 A	SPARE	46
47	--	--	--			709 / 0	--	--	--	48
49	FCU 8-13	20 A	2	1306 / 0			2	25 A	SPARE	50
51	--	--	--		1306 / 0		--	--	--	52
53	SPARE	20 A	2			0 / 0	2	35 A	SPARE	54
55	--	--	--	0 / 0			--	--	--	56
57	SPARE	20 A	2		0 / 0		2	35 A	SPARE	58
59	--	--	--			0 / 0	--	--	--	60
			Total...	19879 VA	16611 VA	16284 VA				
			Total...	166 A	139 A	136 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	52774 VA	90.68%	47857 VA		
				Total Conn. Load:	52774 VA
				Total Est. Demand:	47857 VA
				Total Conn. Current:	146 A
				Total Est. Demand Current:	133 A

Panel: 8E

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	FCU 9-08	25 A	2	1689 / 899			2	15 A	FCU 10-07	2
3	--	--	--		1689 / 899		--	--	--	4
5	FCU 9-09	15 A	2			899 / 1689	2	25 A	FCU 10-08	6
7	--	--	--	899 / 1689			--	--	--	8
9	FCU 9-10	20 A	2		899 / 899		2	15 A	FCU 10-09	10
11	--	--	--			899 / 899	--	--	--	12
13	FCU 9-11	20 A	2	1306 / 899			2	15 A	FCU 10-10	14
15	--	--	--		1306 / 899		--	--	--	16
17	FCU 9-12	15 A	2			709 / 1306	2	20 A	FCU 10-11	18
19	--	--	--	709 / 1306			--	--	--	20
21	FCU 9-13	20 A	2		1306 / 709		2	15 A	FCU 10-12	22
23	--	--	--			1306 / 709	--	--	--	24
25	FCU 9-14	15 A	2	709 / 1306			2	20 A	FCU 10-13	26
27	--	--	--		709 / 1306		--	--	--	28
29	FCU 9-15	15 A	2			709 / 0				30
31	--	--	--	709 / 0						32
33	FCU 10-01	20 A	2		1306 / 709		2	15 A	FCU 10-15	34
35	--	--	--			1306 / 709	--	--	--	36
37	FCU 10-02	35 A	2	2586 / 0			2	15 A	SPARE	38
39	--	--	--		2586 / 0		--	--	--	40
41	FCU 10-03	15 A	2			899 / 0	2	15 A	SPARE	42
43	--	--	--	899 / 0			--	--	--	44
45	FCU 10-04	15 A	2		899 / 0		2	20 A	SPARE	46
47	--	--	--			899 / 0	--	--	--	48
49	FCU 10-05	25 A	2	1689 / 0			2	25 A	SPARE	50
51	--	--	--		1689 / 0		--	--	--	52
53	FCU 10-06	15 A	2			899 / 0	2	35 A	SPARE	54
55	--	--	--	899 / 0			--	--	--	56
57	SPARE	20 A	2		0 / 0		2	35 A	SPARE	58
59	--	--	--			0 / 0	--	--	--	60
			Total...	18191 VA	17808 VA	13834 VA				
			Total...	157 A	153 A	115 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	49833 VA	91.02%	45358 VA		
				Total Conn. Load:	49833 VA
				Total Est. Demand:	45358 VA
				Total Conn. Current:	138 A
				Total Est. Demand Current:	126 A

2/28/2025 4:17:46 PM

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1	DD REISSUE	12/09/2024
2	100% CD	2/28/2025

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CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E-505

Panel: 11A

Location:
Supply From: SBD1
Mounting: Flush
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	AHU-2	100 A	3	9058 / 1260			1	20 A	RECEPS - CORR. 1101	2
3	--	--	--		9058 / 620		1	20 A	DWH-1	4
5	--	--	--			9058 / 1500	1	20 A	DUMBWAITER	6
7	DUMBWAITER	20 A	1	1500 / 180			1	20 A	ROOF RECEP	8
9	HWRP-1	25 A	2		207 / 1080		1	20 A	MEETING RECEPS	10
11	MEETING RECEPS	20 A	1			1080 / 900	1	20 A	ROOF AWNINGS	12
13	ROOF AWNINGS	20 A	1	900 / 333			1	20 A	ROOF FIRE PITS	14
15	RECEPS - ROOF BAR	20 A	1		1620 / 1080		1	20 A	ROOF RECEPS	16
17	SPF-1	35 A	3			2099 / 620	1	20 A	DWH-2	18
19	--	--	--	2099 / 400			1	20 A	DWH-3	20
21	--	--	--		2099 / 400		1	20 A	DWH-4	22
23	HWRP-2	25 A	2			207 / 400	1	20 A	TMV-1	24
25	--	--	--	207 / 1080			1	20 A	FLEX RECEPS	26
27	RR & JAN RECEP	20 A	1		360 / 815		1	20 A	LC11 - LIGHTING CONTROL...	28
29	SPARE	20 A	1			0 / 0	1	20 A	SPARE	30
31	SPARE	20 A	1	0 / 0			1	20 A	SPARE	32
33	SPARE	20 A	1		0 / 0		1	20 A	SPARE	34
35	SPARE	20 A	1			0 / 0	1	20 A	SPARE	36
37	SPARE	20 A	1	0 / 0			1	20 A	SPARE	38
39	SPARE	20 A	1		0 / 0		1	20 A	SPARE	40
41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 0			1	20 A	SPARE	56
57	SPARE	20 A	1		0 / 0		1	20 A	SPARE	58
59	SPARE	20 A	1			0 / 0	1	20 A	SPARE	60
			Total...	17018 VA	17634 VA	15864 VA				
			Total...	143 A	148 A	132 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Elevator	3000 VA	95.00%	2850 VA		
HVAC	33472 VA	93.96%	31451 VA	**Total Conn. Load:**	50515 VA
Lighting - Hotel	815 VA	100.00%	815 VA	**Total Est. Demand:**	48344 VA
Power	6595 VA	100.00%	6595 VA	**Total Conn. Current:**	140 A
Receptacle	6660 VA	100.00%	6660 VA	**Total Est. Demand Current:**	134 A

Panel: LSLP5

Location:
Supply From: LSLP2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 200 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	LIGHTING	20 A	1	1000 VA / 0 VA			1	20 A	SPARE	2
3	LIGHTING	20 A	1		1000 VA / 0...		1	20 A	SPARE	4
5	LIGHTING	20 A	1			1000 VA / 0 VA	1	20 A	SPARE	6
7	LIGHTING	20 A	1	1000 VA / 2719 VA			3	200 A	PANEL LSLP8 FEED THRU...	8
9	LIGHTING	20 A	1		1000 VA /...		--	--	--	10
11	SPARE	20 A	1			0 VA / 1449 VA	--	--	--	12
			Total...	4718 VA	4760 VA	2447 VA				
			Total...	42 A	43 A	20 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	25 VA	100.00%	25 VA		
Power	10000 VA	100.00%	10000 VA	**Total Conn. Load:**	11923 VA
Receptacle	180 VA	100.00%	180 VA	**Total Est. Demand:**	11923 VA
Lighting - Hotel	1728 VA	100.00%	1728 VA	**Total Conn. Current:**	33 A
				Total Est. Demand Current:	33 A

Notes:

Panel: LSLP8

Location:
Supply From: LSLP5
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 200 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	LIGHTING	20 A	1	1000 VA / 406 VA			1	20 A	Lighting	2
3	LIGHTING	20 A	1		1000 VA / 0...		1	20 A	SPARE	4
5	LIGHTING	20 A	1			1000 VA / 0 VA	1	20 A	SPARE	6
7	LIGHTING	20 A	1	1000 VA / 316 VA			3	20 A	PANEL LSLP11 FEED THRU...	8
9	LIGHTING	20 A	1		1000 VA / 7...		--	--	--	10
11	SPARE	20 A	1			0 VA / 460 VA	--	--	--	12
			Total...	2719 VA	2760 VA	1449 VA				
			Total...	24 A	25 A	12 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	25 VA	100.00%	25 VA		
Power	5000 VA	100.00%	5000 VA	**Total Conn. Load:**	6924 VA
Receptacle	180 VA	100.00%	180 VA	**Total Est. Demand:**	6924 VA
Lighting - Hotel	1728 VA	100.00%	1728 VA	**Total Conn. Current:**	19 A
				Total Est. Demand Current:	19 A

Notes:

Panel: 11B

Location:
Supply From: SBD1
Mounting: Flush
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	FCU 11-01A	50 A	2	4080 / 4080			2	50 A	FCU 11-01B	2
3	--	--	--		4080 / 4080		--	--	--	4
5	FCU 11-02	25 A	2			1689 / 1306	2	20 A	FCU 11-03	6
7	--	--	--	1689 / 1306			--	--	--	8
9	FCU 11-04	20 A	2		1306 / 2588		2	35 A	FCU 11-05A	10
11	--	--	--			1306 / 2588	--	--	--	12
13	FCU 11-05B	35 A	2	2588 / 1306			2	20 A	FCU 11-06	14
15	--	--	--		2588 / 1306		--	--	--	16
17	FCU 12-01	40 A	2			2943 / 2943	2	40 A	FCU 13-01	18
19	--	--	--	2943 / 2943			--	--	--	20
21	IRH-1	35 A	2		2500 / 2500		2	35 A	IRH-2	22
23	--	--	--			2500 / 2500	--	--	--	24
25	IRH-3	35 A	2	2500 / 2500			2	35 A	IRH-4	26
27	--	--	--		2500 / 2500		--	--	--	28
29	IRH-5	35 A	2			2500 / 2500	2	35 A	IRH-6	30
31	--	--	--	2500 / 2500			--	--	--	32
33	IRH-7	35 A	2		2500 / 2500		2	35 A	IRH-8	34
35	--	--	--			2500 / 2500	--	--	--	36
37	IRH-9	35 A	2	2500 / 2500			2	35 A	IRH-10	38
39	--	--	--		2500 / 2500		--	--	--	40
41	SPARE	20 A	2			0 / 0	2	35 A	SPARE	42
43	--	--	--	0 / 0			--	--	--	44
45	SPARE	25 A	2		0 / 1000		1	20 A	Lighting - Hotel	46
47	--	--	--			0 / 0	1	20 A	SPARE	48
49	SPARE	35 A	2	0 / 0			1	20 A	SPARE	50
51	--	--	--		0 / 0		1	20 A	SPARE	52
53	SPARE	35 A	2			0 / 0	1	20 A	SPARE	54
55	--	--	--	0 / 0			3	60 A	LC11 - LIGHTING CONTROL...	56
57	SPARE	40 A	2		0 / 0		--	--	--	58
59	--	--	--			0 / 0	--	--	--	60
			Total...	35935 VA	36948 VA	27775 VA				
			Total...	310 A	318 A	231 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	99657 VA	88.01%	87709 VA		
Lighting - Hotel	1000 VA	100.00%	1000 VA	**Total Conn. Load:**	100657 VA
				Total Est. Demand:	88709 VA
				Total Conn. Current:	279 A
				Total Est. Demand Current:	246 A

Notes:

Panel: OSHP

Location:
Supply From: T1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	ELEVATOR 1	60 A	3	4483 / 4483			3	60 A	ELEVATOR 2	2
3	--	--	--		4483 / 4483		--	--	--	4
5	--	--	--			4483 / 4483	--	--	--	6
7	ELEVATOR 3	60 A	3	4483 / 0			1	20 A	SPARE	8
9	--	--	--		4483 / 0		1	20 A	SPARE	10
11	--	--	--			4483 / 0	1	20 A	SPARE	12
			Total...	13450 VA	13450 VA	13450 VA				
			Total...	49 A	49 A	49 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Elevator	40350 VA	90.00%	36315 VA		
				Total Conn. Load:	40350 VA
				Total Est. Demand:	36315 VA
				Total Conn. Current:	49 A
				Total Est. Demand Current:	44 A

Notes:

Panel: LCB (DIMMING PANEL)

Location:
Supply From: SBD1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 100 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	SPARE	20 A	1	0 / 0			1	20 A	SPARE	2
3	SPARE	20 A	1		0 / 0		1	20 A	SPARE	4
5	SPARE	20 A	1			0 / 0	1	20 A	SPARE	6
			Total...	0 VA	0 VA	0 VA				
			Total...	0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
SEE LIGHTING LOAD SCHEDULES ON SHEET EL501 FOR REQUIRED ZONES. EACH LIGHTING ZONE REQUIRES DEDICATED OUTPUT CIRCUIT BREAKER.

Panel: 11KA

Location:
Supply From: SBD1
Mounting: Flush
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	11-1 EXHAUST HOOD	20 A	1	1800 / 1440			1	20 A	11-2 FRYER	2
3	11-3 FRIDGE	20 A	1		456 / 1800		1	20 A	11-4 GRIDDLE	4
5	11-5 CHEF BASE	20 A	1			244 / 480	1	20 A	11-6 RANGE	6
7	11-8 COMBI OVEN	90 A	3	7916 / 3015			2	40 A	11-9 RAPID COOK OVEN	8
9	--	--	--		7916 / 3015		--	--	--	10
11	--	--	--			7916 / 1080	1	20 A	11-10 FRIDGE	12
13	11-11 HOT/COLD WELL	20 A	2	1092 / 1920			1	20 A	11-13 CHEF TABLE	14
15	--	--	--		1092 / 2196		1	25 A	11-13.1 HEAT LAMP	16
17	11-19 BLAST CHILLER	20 A	2			853 / 1800	1	20 A	11-20 ISLAND WORKTABLE	18
19	--	--	--	853 / 1920			1	20 A	11-23 WALK IN	20
21	11-23.1 COOLER COIL	20 A	1		500 / 500		1	20 A	11-23.2 BEER COOLER COIL	22
23	11-23.3 COOLER CU	20 A	3			700 / 2798	2	40 A	11-28 DISHWASHER	24
25	--	--	--	700 / 2798			--	--	--	26
27	--	--	--		700 / 900		1	20 A	CONVENIENCE RECEPS	28
29	MUA-1	40 A	3			3147 / 1319	3	20 A	KEF-1	30
31	--	--	--	3147 / 1319			--	--	--	32
33	--	--	--		3147 / 1319		--	--	--	34
35	R-12 DISHWASHER	35 A	2			2569 / 276	1	20 A	R-14 FREEZER	36
37	--	--	--	2569 / 900			1	20 A	R-2 BACK BAR RECEPS	38
39	DR2 BAR RECEPS	20 A	1		1260 / 360		1	20 A	DR2 BAR RECEPS	40
41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42
43	SPARE	20 A	1	0 / 0			1	20 A	SPARE	44
45	SPARE	20 A	1		0 / 0		1	20 A	SPARE	46
47	SPARE	20 A	1			0 / 0	1	20 A	SPARE	48
49	SPARE	20 A	1	0 / 0			1	20 A	SPARE	50
51	SPARE	20 A	1		0 / 0		1	20 A	SPARE	52
53	SPARE	20 A	1			0 / 0	1	20 A	SPARE	54
55	SPARE	20 A	1	0 / 0			1	20 A	SPARE	56
57	SPARE	20 A	1		0 / 0		1	20 A	SPARE	58
59	SPARE	20 A	1			0 / 0	1	20 A	SPARE	60
			Total...	31390 VA	25162 VA	23183 VA				
			Total...	264 A	212 A	193 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	13400 VA	100.00%	13400 VA		
Receptacle	3420 VA	100.00%	3420 VA	**Total Conn. Load:**	79735 VA
Kitchen Equipment - Non-Dwelling Unit	62914 VA	65.00%	40894 VA	**Total Est. Demand:**	57715 VA
				Total Conn. Current:	221 A
				Total Est. Demand Current:	160 A

Notes:

Panel: LSLP11

Location:
Supply From: LSLP8
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MLO
Mains Rating: 200 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	ELEVATOR 1 CAR LIGHT	20 A	1	100 / 100			1	20 A	ELEVATOR 2 CAR LIGHT	2
3	ELEVATOR 3 CAR LIGHT	20 A	1		100 / 180		1	20 A	RECEP - ELEVATOR MACHI...	4
5	LIGHTING	20 A	1			69 / 0	1	20 A	SPARE	6
7	LIGHTING PENTHOUSE	20 A	1	120 / 0			1	20 A	SPARE	8
9	Lighting - Hotel	20 A	1		480 / 0		1	20 A	SPARE	10
11	Lighting - Hotel	20 A	1			390 / 0	1	20 A	SPARE	12
13	SPARE	20 A	1	0 / 0			1	20 A	SPARE	14
15	SPARE	20 A	1		0 / 0		1	20 A	SPARE	16
17	SPARE	20 A	1			0 / 0	1	20 A	SPARE	18
19	SPARE	20 A	1	0 / 0			1	20 A	SPARE	20
21	SPARE	20 A	1		0 / 0		1	20 A	SPARE	22
23	SPARE	20 A	1			0 / 0	1	20 A	SPARE	24
			Total...	316 VA	760 VA	460 VA				
			Total...	3 A	7 A	4 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	15 VA	100.00%	15 VA		
Receptacle	180 VA	100.00%	180 VA	**Total Conn. Load:**	1526 VA
Lighting - Hotel	1332 VA	100.00%	1332 VA	**Total Est. Demand:**	1526 VA
				Total Conn. Current:	4 A
				Total Est. Demand Current:	4 A

Notes:

Panel: LC11 (DIMMING PANEL)

Location:
Supply From: 11B
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating: 60 A
MCB Rating:

Circuit Number	Load Name	Rating	Number of Poles	A	B	C	Number of Poles	Rating	Load Name	Circuit Number
1	SPARE	20 A	1	0 / 0			1	20 A	SPARE	2
3	SPARE	20 A	1		0 / 0		1	20 A	SPARE	4
5	SPARE	20 A	1			0 / 0	1	20 A	SPARE	6
			Total...	0 VA	0 VA	0 VA				
			Total...	0 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
SEE LIGHTING LOAD SCHEDULES ON SHEET EL501 FOR REQUIRED ZONES. EACH LIGHTING ZONE REQUIRES DEDICATED OUTPUT CIRCUIT BREAKER.

KING COLE BUILDING HOTEL

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SEAL | DATE

SHEET ISSUE

1	ASI-02	11/11/2022
2	DD REISSUE	12/09/2024
3	100% CD	2/28/2025

CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET NUMBER
E-506

2/28/2025 4:17:53 PM

NOTES:
1. See Fixture Cut Sheet for fixture size information.
2. Contractor to provide all parts and hardware necessary for a complete installation.
3. Contractor to provide spare lamps in the quantity of 10% of fixture quantity or no less than (2) lamps.
4. Architect to approve all fixture ceiling types and finishes.

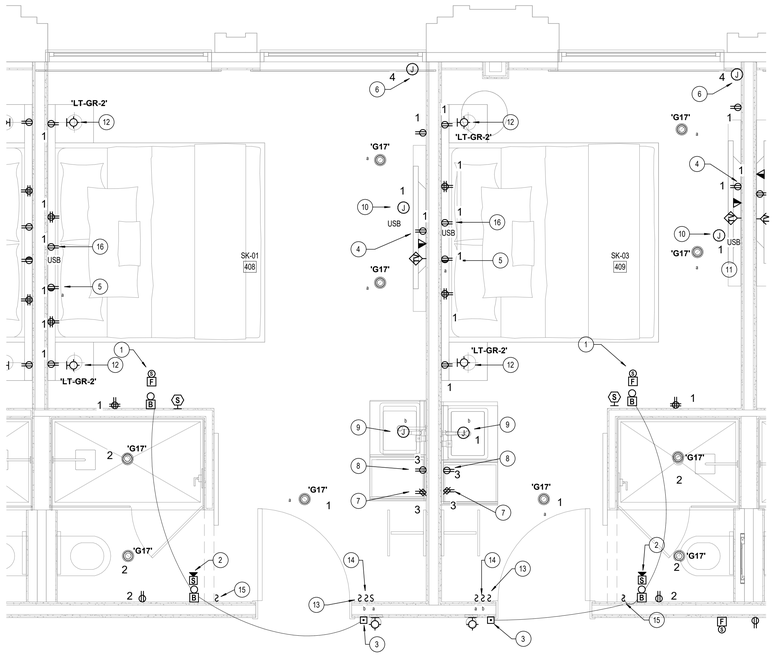
GENERAL SHEET NOTES

A. SEE SHEET E-001 FOR SYMBOLS AND ABBREVIATIONS.
B. COORDINATE DEVICE LOCATIONS AND HEIGHT WITH ARCHITECTURAL AND I.D. DRAWINGS.
C. RECEPTACLE OUTLETS USED FOR LIGHT FIXTURES ARE TO BE SWITCHED BY MASTER SWITCH.
D. THE FOLLOWING ROOMS ARE DESIGNATED AS HEARING ACCESSIBLE GUEST ROOMS. SPEAKER/STROBES ARE TO RECEIVE STROBES AND DOOR ANNUNCIATION SYSTEM SHOWN ON MODEL ROOM PLANS:
   - ROOM 201, TYPE BW-02
   - ROOM 301, TYPE SQ-03
   - ROOM 401, TYPE ASQ-1
   - ROOM 501, TYPE ASQ-2
   - ROOM 601, TYPE ASQ-2
   - ROOM 701, TYPE ASQ-1
   - ROOM 801, TYPE ASQ-2
   - ROOM 901, TYPE ASQ-2
   - ROOM 1001, TYPE ASQ-1

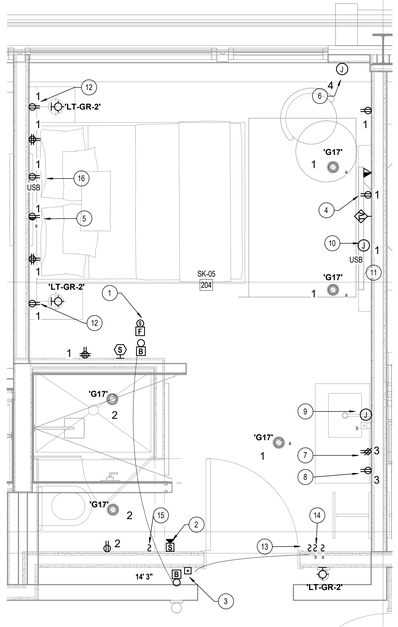
   COORDINATE AND CONFIRM ADA ROOMS WITH ARCHITECT.
E. WHERE LIGHT SWITCHES ARE SHOWN IN CLOSE PROXIMITY INSTALL IN MULTIGANG BACK BOX WITH SINGLE MULTIGANG COVER PLATE.
F. COVER PLATES IN GUEST ROOM ARE TO BE SCREWLESS COVER PLATES.

SHEET PLAN NOTES

1 IN ACCESSIBLE/HEARING IMPAIRED ROOMS DEVICE IS TO BE COMBINATION SPEAKER/STROBE. OTHER ROOMS ARE TO BESPEAKER ONLY.
2 FIRE ALARM STROBE IN ACCESSIBLE/HEARING IMPAIRED ROOMS ONLY.
3 DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE AND TOGGLE DISABLE SWITCH IN HEARING IMPAIRED ROOMS ONLY.
4 DISPLAY/CONTROL AND HEIGHT OF TV BESPEAKER AND AUDIO OUTLET WITH ARCHITECTURAL DRAWINGS.
5 LED LIGHTING AT TOP OF HEADBOARD TO BE PLUGGED IN AND SWITCHED TO FOYER LIGHTING.
6 PROVIDE POWER TO MOTORIZED SHADES.
7 MOUNT GFI RECEPTACLE HORIZONTALLY +40" AFF TO CENTER OF DEVICE.
8 DUPLEX RECEPTACLE FOR UNDER CABINET REFRIGERATOR AND SAFE.
9 JUNCTION BOX FOR LIGHTED MIRROR. COORDINATE EXACT LOCATION AND HEIGHT WITH ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS.
10 SHELF BELOW TVS TO BE HARDWIRED FOR INTEGRATED POWER AND USB.
11 CIRCUIT NUMBERS ARE FOR GROUPING PURPOSES ONLY, TYPICAL.
12 OTHER INTEGRATED HEADBOARD LIGHTING TO BE PLUG IN WITH SWITCH ON FIXTURE.
13 MASTER SWITCH TO TURN OFF ALL LIGHTS IN GUEST ROOM EXCEPT FOR BATHROOM/SHOWER.
14 LIGHT SWITCH FOR LIGHTED MIRROR.
15 LIGHT SWITCH FOR DOWNLIGHT IN SHOWER AND BATHROOM.
16 HEADBOARD TO PLUG INTO WALL USB OUTLET FOR INTEGRATED USB.



2 FOURTH FLOOR MOCK-UP ROOM AND CORRIDOR
1/2" = 1'-0"



1 SECOND FLOOR MOCK-UP ROOM
1/2" = 1'-0"

Owner
Indy PropCo LLC
300 North LaSalle Street, Suite 4900
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KING COLE BUILDING HOTEL
1 N. Meridian Indianapolis, IN 46204

SEAL | DATE

SHEET ISSUE

1	BID DOCUMENTS	11/22/2021
2	DD REISSUE	12/09/2024
3	100% CD	2/28/2025

CIRCLE DESIGN GROUP
INDIANAPOLIS, IN | 317.781.6200
CIRCLEDESIGNGROUP.COM

CDG PROJECT NO. 24085

SHEET TITLE
ELECTRICAL ENLARGED MODEL ROOMS PLANS

SHEET NUMBER
E-801

2/28/2025 4:17:59 PM

** AUDIO / VISUAL SYSTEMS **

A SCOPE

PROJECT:

THIS HOTEL SYSTEM WILL CONSIST OF BACKGROUND MUSIC SYSTEMS PLACED THROUGHOUT THE PUBLIC SPACES. THIS WILL INCLUDE THE LOBBY, RESTAURANTS, BARS, DINNING, FITNESS, AND OTHER PUBLIC CORRIDORS AND SPACES.

B GENERAL NOTES

1) ALL DEVICES RELATED TO THE AV TECHNOLOGY SHALL BE MOUNTED AND INSTALLED AS PER THE MANUFACTURES RECOMMENDATIONS. THEY SHALL BE PLUM TO THE WALLS, FLOORS, OR RELATED MOUNTING EQUIPMENT WHEN EVER APPLICABLE.

2) WHILE THESE DRAWINGS CALL OUT FOR THE MAIN COMPONENTS REQUIRED FOR THE FULL OPERATION AND PERFORMANCE OF THIS SYSTEM DESIGN, ALL DEVICES SUPPLEMENTAL AND RELATED TO THE PERFORMANCE, OPERATIONS, AND INSTALLATION OF THESE DEVICES ARE NOT EXCLUDED AND SHOULD BE CONSIDERED TO BE A PART OF THE SCOPE OF WORK.

3) ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND TO THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) WHERE REQUIRED BY LOCAL CODE FOR MAINTAINING FIRE RATING, USE FIRESTOP TO ALL STUB THROUGH LOCATIONS.

4) WHERE APPLICABLE ALL EQUIPMENT AND MATERIALS SHALL BE AS APPROVED BY - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA), UNDERWRITERS LABORATORIES, INC. (UL) OR SIMILARLY RELATED ASSOCIATION.

5) ALL WORK SHALL COMPLY WITH, MEET, OR EXCEED STANDARDS SET ASIDE BY - NATIONAL ELECTRICAL CODE (NEC)/ AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/ INFOCOMM INTERNATIONAL/ INSTITUTE OF ELECTRONIC & ELECTRICAL ENGINEERS (IEEE)/ AMERICANS WITH DISABILITIES ACT (ADA)/ AND ANY APPLICABLE ASSOCIATIONS.

6) CONTRACTOR IS RESPONSIBLE FOR FIRE STOPPING ALL WALL AND FLOOR PENETRATIONS PER LOCAL CODES.

7) MATERIALS REQUIRED TO MEET THE STANDARDS OF THE ABOVE STATED ASSOCIATIONS SHOULD BE INCLUDED AS PART OF THIS SCOPE OF WORK.

8) EXCEPT WERE SPECIFICALLY SHOWN OR DESCRIBED ALL EQUIPMENT REPRESENTATION IS FOR GENERAL INFORMATION OF CONNECTIVITY, PLACEMENT, AND RELATIONSHIP WITHIN THE DESIGNED SYSTEM.

9) THE DIMENSIONS SHOWN ARE SUGGESTED PLACEMENTS ONLY FOR COORDINATION AND INFORMATION. FINAL LOCATIONS WILL NEED TO BE PLACED BASED ON ACTUAL FIELD CONDITIONS AND VERIFIED WITH ARCHITECT/I.D. PRIOR TO INSTALLATION. FIELD CONDITIONS TAKE PRECEDENCE OVER ANY DRAWING DIMENSIONS.

10) ALL CEILING SPEAKER LOCATIONS ARE REFERENCE LOCATIONS ONLY. THEY ARE INTENDED FOR THE INSTALLATION BY THE AV INTEGRATOR.

11) FINAL MOUNTING LOCATIONS FOR CEILING MOUNTED EQUIPMENT SHALL BE COORDINATED WITH THE RCP DRAWING, INTERIOR DESIGNER, AND FIELD CONDITIONS.

C PROJECT REQUIREMENTS

1) THE EQUIPMENT LISTED HAS BEEN APPROVED FOR USE IN THIS PROJECT. ANY SUBSTITUTIONS FOR THE EQUIPMENT LISTED SHALL BE SUBMITTED IN WRITING AND APPROVAL GIVEN BEFORE ITEM WILL BE USED AS PART OF THE DESIGN. ALL REQUEST FOR INFORMATION (RFI) WILL BE SUBMITTED IN WRITING THROUGH THE PRIMARY CONTRACTOR AND WILL BE ANSWERED THROUGH THE SAME PARTY.

2) EQUIPMENT SHOULD BE ORDERED RELATIVE TO THE INSTALLATION DATES TO ENSURE THAT THE CUSTOMER RECEIVES THEIR MAXIMUM WARRANTY COVERAGE AND TO PREVENT ADDITIONAL CHARGES FOR STORAGE.

3) IF A SIGNIFICANT AMOUNT OF TIME HAS PAST BETWEEN PROPOSAL ACCEPTANCE AND EQUIPMENT ORDERING, THE CONTRACTOR SHALL REVIEW ALL EQUIPMENT FOR PRICE DECREASES, DISCONTINUED EQUIPMENT, OR OTHER ITEMS THAT MIGHT AFFECT THE FINAL EQUIPMENT PURCHASED. A LIST OF ALL CHANGES SHALL BE SUBMITTED TO THE OWNER AND CONSULTANT FOR REVIEW PRIOR TO ORDERING EQUIPMENT.

4) ALL EQUIPMENT SHALL BE PROVIDED BY AN AUTHORIZED DEALER OF THE EQUIPMENT WITH FULL WARRANTY AND SERVICE GUARANTEES APPLICABLE.

5) EQUIPMENT INSTALLER SHALL HAVE ALL CERTIFICATIONS PERTAINING TO PROGRAMMING, INSTALLATION, AND OPERATION OF THE EQUIPMENT PER THE EQUIPMENT MANUFACTURES RECOMMENDATION.

6) EQUIPMENT PROVIDER SHALL BE ABLE TO PROVIDE RESPONSE TIME WITHIN ONE BUSINESS DAY FOR ANY ISSUES RELATING TO THE INSTALLATION, SERVICE, PERFORMANCE, OR MALFUNCTION WITH THE INSTALLED SYSTEM.

7) ALL COST ASSOCIATED WITH THE PREPARATION OF THIS PROPOSAL WILL BE THE RESPONSIBILITY OF THE PROPOSING INTEGRATOR

8) INSTALLATION PROCEDURES SHALL FOLLOW BEST PRACTICE STANDARDS SET ASIDE BY INFOCOMM INTERNATIONAL, NSCA, BISCI, NEC, ISO/IEC OR OTHER RELATED ORGANIZATIONS THAT PERTAIN TO THE INSTALLED SYSTEMS. ANY RELATED STANDARDS INCLUDING LOCAL CODES AND REGULATIONS ARE THE RESPONSIBILITY OF THE AV INTEGRATOR, TO DISCOVER AND FOLLOW AS RELATED TO THIS PROJECT.

9) ALL TERMS OF THE CONTRACT SHALL BE DETERMINED BY THE G.C. AND THE PROJECT TEAM. NO OTHER AGREEMENTS SHALL BE FOLLOWED AS PART OF THIS PACKAGE.

10) ALL EQUIPMENT TYPES, EQUIPMENT COUNTS, CONNECTIVITY AND SPECIFICATIONS ARE CONTAINED WITHIN THIS PACKAGE. IT IS THE RESPONSIBILITY OF THE EQUIPMENT PROVIDER AND INTEGRATOR TO VERIFY ALL COUNTS, CONNECTIVITY, AND FUNCTIONALITY. ANY QUESTIONS RELATED TO THIS DESIGN PACKAGE SHALL BE DIRECTED THROUGH THE PRIMARY CONTRACTOR.

11) AV CONTRACTOR SHALL ABIDE BY ALL RULES AND REGULATIONS SET ASIDE BY THE OWNERSHIP FOR SAFETY, INSURANCE, BONDING, SITE REGULATIONS AND OTHER RELATED POLICIES REGARDING THIS PROJECT.

12) THE INTEGRATION TEAM SHALL MAINTAIN A CLEAN WORK AREA AT ALL TIMES. THIS INCLUDES BUT IT NOT LIMITED TO, SWEEPING UP, THE REMOVAL OF ALL TRASH ITEMS, NEAT STORAGE OF EQUIPMENT, TOOLS, BOXES, WIRES, AND ANY RELATED MATERIALS.

13) A CLEAN PROFESSIONAL APPEARANCE AND WORK ATMOSPHERE IS ALSO EXPECTED. CLOTHING SHALL INDICATE THE COMPANY THE INSTALLER IS WITH. CONVERSATIONS SHALL BE DONE WITH RESPECT TO THE WORK ENVIRONMENT AND THOSE AROUND THE FACILITY.

14) ARRANGEMENTS FOR ON-SITE STORAGE OF EQUIPMENT, TOOLS, OR OTHER RELATED MATERIALS SHOULD BE COORDINATED WITH THE GC OR APPROPRIATE ON-SITE GROUP RESPONSIBLE FOR THE SITE.

D SPECIAL PROJECT NOTES:

1) FOR THIS PROJECT, COORDINATE WITH FIRE SYSTEMS PROVIDER, TO RECEIVE AN OPEN/CLOSED FEED FROM THEIR SYNSTEM. THIS FEED WILL TRIGGER AN "ALL MUTE" TO THE AUDIO SYSTEMS IN CASE OF AN EMERGENCY. A 2 CONDUCTOR CONTROL WIRE WILL NEED TO BE RUN FROM THE FIRE SYSTEMS CONTROLLER TO THE CENTRAL AV RACK LOCATION. COORDINATE FINAL CABLE TYPE WITH FIRE SYSTEMS PROVIDER. THIS CABLE SHALL BE RUN BY THE AV CABLE PULLING FIRM, CONNECTED TO THE FIRE SYSTEM BY THE FIRE SYSTEMS INSTALLER, AND CONNECTED TO AUDIO SYSTEM BY THE AV SYSTEMS INTEGRATOR. THE TWO SHALL COORDINATE A TEST TO ENSURE THE SYSTEM IS WORKING.

2) EQUIPMENT AND CABLING INDICATED ON THE AV-1.XX, AV-2.XX, AND AV-7.XX SERIES DRAWINGS ARE INTENDED TO BE INSTALLED DURING CONSTRUCTION. (UNLESS OTHERWISE INDICATED) ALL CABLE PULLING, LABELING, AND TESTING REQUIREMENTS APPLY. FULL DOCUMENTATION OF ALL CABLES AND EQUIPMENT INSTALLED DURING CONSTRUCTION SHALL BE MADE AND DELIVERED AS PART OF AN AS-BUILT DOCUMENTATION.

E DIVISION OF LABOR

GENERAL CONTRACTOR, MECHANICAL AND ELECTRICAL CONTRACTORS ARE INTENDED TO PICK UP THE HEAT LOAD INFORMATION, POWER REQUIREMENTS, JUNCTION BOXES, CONDUIT, CABLE RACEWAYS PATHWAYS AND CABLING. (UNLESS OTHERWISE NOTED)

THE EQUIPMENT PROVIDER IS TO INCLUDE ANY EQUIPMENT NOT OTHERWISE SHOWN AS PROVIDED BY OTHERS, ANY CABLING SPECIFIED TO BE BY THE EQUIPMENT PROVIDER, AND ANY SPECIALTY ITEM REQUIRED BY THE EQUIPMENT PROVIDER.

SOME ELECTRIC SCREENS, LIFTS, SPEAKERS, CONTROL UNITS, RACK EQUIPMENT OR OTHER DEVICES, MAY REQUIRE COORDINATED INSTALLATION BETWEEN THE EQUIPMENT PROVIDER AND THE GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, LIGHTING PROVIDER, FIRE SAFETY SYSTEMS, OR MECHANICAL SYSTEMS PROVIDER. IT IS THE RESPONSIBILITY OF THE EQUIPMENT PROVIDER TO COORDINATE THESE EFFORTS WITH THE GC OR AS DIRECTED BY THE PROJECT MANAGEMENT TEAM.

ANY INFRASTRUCTURE, POWER, CABLING, OR RELATED DEVICES REQUIRED BY THE EQUIPMENT PROVIDER THAT IS NOT SHOWN ON THE DRAWINGS, OR NOT INSTALLED IN THE FIELD NEEDS TO BE BROUGHT TO THE ATTENTION OF THE GC, DESIGN TEAM, OR PROJECT MANAGER IMMEDIATELY.

F CONTRACTOR QUALIFICATIONS

1) CONTRACTOR SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE WITH SIMILAR SCOPE, SCALE, AND COMPLEXITY OF THE TECHNOLOGY PRESENTED HEREIN.

2) CONTRACTOR SHALL BE A CURRENT MEMBER IN GOOD STANDING OF INFOCOMM INTERNATIONAL, NATIONAL ASSOCIATION OF BROADCASTERS, NATIONAL SYSTEMS CONTRACTORS ASSOCIATION, OR RELATED AUDIO VISUAL ASSOCIATION.

3) CONTRACTOR SHALL BE A FULLY AUTHORIZED DIRECT DEALER OF ANY AND ALL MAJOR COMPONENTS LISTED HEREIN.

4) CONTRACTOR SHALL HOLD CURRENT AND COMPLETE CERTIFICATIONS FOR PROGRAMMING, INSTALLATION, SET-UP & CONFIGURATION OF ALL MAJOR COMPONENTS WHERE APPLICABLE FOR THE EQUIPMENT LISTED HEREIN. THESE CERTIFICATIONS SHALL INCLUDE THE CONTROL SYSTEMS, SIGNAL PROCESSORS, OR ANY RELATED CERTIFICATIONS REQUIRED BY THE MANUFACTURE.

5) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND REPORT ANY DISCREPANCIES FOUND PRIOR TO STARTING ANY WORK.

6) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL RELATED DOCUMENTS AND DRAWINGS OF OTHER DISCIPLINES THAT MIGHT PERTAIN TO FINAL SYSTEM REQUIREMENTS. THESE INCLUDE POWER, FACILITY COVER PLATE COLORS, FINAL INSTALLED CEILING LOCATIONS AND OTHER REQUIREMENTS.

7) INCLUDED WITH A PROPOSAL RESPONSE TO A RFP SHALL BE DOCUMENTATION FOR VERIFICATION OF THE ABOVE LISTED REQUIREMENTS, A LIST OF ALL PERTINENT PERSONNEL THAT WILL BE ASSIGNED TO THE PROJECT ALONG WITH THEIR QUALIFICATIONS, A GENERAL EQUIPMENT LIST, AND ANY EXTENDED SERVICE WARRANTIES OR CONTRACTS AVAILABLE FROM THE BIDDING FIRM.

8) PERTINENT PERSONNEL ASSIGNED TO THIS PROJECT THAT HOLD CERTIFICATES SUCH AS CTS-I, CTS-D, CTS; CERTIFIED PROGRAMMER, NSCA CERTIFIED ELECTRONICS SYSTEMS TECHNICIAN, NICET LVL I OR II WILL BE MORE HEAVILY FAVORED IN FINAL REVIEW OF QUALIFICATIONS FOR THIS PROJECT.

9) ANY SUBCONTRACTOR SHALL BE LISTED AS TO PRIMARY CONTACT, LEAD ON-SITE PERSONNEL, AND AREA OF RESPONSIBILITY AS IT RELATES TO THE JOB. ALL SUBCONTRACTORS AND THEIR WORK ARE REQUIRED TO MEET THE SAME QUALIFICATIONS AS THE PRIMARY CONTRACTOR FOR THEIR AREA OF RESPONSIBILITY.

10) IF A SUBCONTRACTOR WILL BE WORKING ON THE PROJECT, A MEMBER OF THE PRIMARY PROPOSING COMPANY WILL BE REQUIRED TO BE ON-SITE AT ALL TIMES THAT WORK IS BEING PERFORMED ON THE PROJECT SITE.

11) CONTRACTORS SELECTED FOR THIS JOB BUT WHO DO NOT MEET THE CRITERIA ESTABLISHED FOR THIS PROJECT WILL BE HELD FULLY RESPONSIBLE FOR ANY SHORTCOMINGS IN THEIR INSTALLATION, PROGRAMMING OR PERFORMANCE OF THE SYSTEM.

G INSTALLATION NOTES

1) IT IS RECOMMENDED THAT THE FINAL HEAD-END EQUIPMENT NOT BE INSTALLED UNTIL A MAJORITY OF THE MAJOR CONSTRUCTION IS COMPLETE. THIS WILL LIMIT POTENTIAL DAMAGE FROM CONSTRUCTION WORK, DUST, AND RELATED RISKS.

2) UPON INSTALLATION OF THE CEILING SPEAKERS, THE PAINT GUARD SHALL BE PUT IN PLACE AND SHALL REMAIN THERE UNTIL SUCH TIME AS THE FACILITY HAS BEEN PAINTED AND IT IS TIME FOR FINAL SETUP AND CONFIGURATION.

3) A PANEL CRAFTERS PLATE (QUOTE #NETTE-25472-RHIM-02 SHALL BE ORDERED AND PLACED IN EACH RACK. THIS PLATE HAS ADDITIONAL ROOM FOR THE INTEGRATORS CONTACT INFORMATION IF IT IS SO DESIRED TO INCLUDE IT ON THIS PLATE. IF THE CONTRACTOR DOES NOT WISH TO ADD THEIR INFORMATION TO THIS PLATE A SEPARATE CONTACT INFORMATION PLATE SHOULD BE INCLUDED IN EACH RACK.

4) THE COPY OF THE SOFTWARE THAT IS TO BE INCLUDED IN THE CLOSEOUT PACKAGE SHOULD BE ON CD-R/CD-RW/DVD-R OR SIMILAR STORAGE SYSTEM. THE VERSIONS OF SOFTWARE SHOULD ALSO BE LISTED SEPARATELY FOR FUTURE REFERENCE INCASE OF DAMAGE TO THE STORAGE DEVICE. IF THE INTEGRATOR HAS RESTRICTIONS ABOUT PROVIDING AN EDITABLE COPY OF THEIR PROGRAMMING, IT SHOULD BE MADE KNOWN UP FRONT WITH A LISTING OF THEIR RESTRICTIONS OR USE CRITERIA.

H SPECIAL PROGRAMMING & FOLLOW UP REQUIREMENT

1) APPROXIMATELY 30 DAYS BEFORE THE INSTALLATION OF THE CONTROL SYSTEM PROGRAMMING, SAMPLE GUI SHEETS OF THE TOUCH PANEL INTERFACES SHOULD BE SENT TO THE OWNERSHIP AND THE CONSULTANT FOR APPROVAL OF THE GENERAL LAYOUTS.

2) AFTER COMPLETION OF THE SYSTEMS INSTALLATION, CONFIGURATION, TESTING, AND TRAINING, A FOLLOW UP PROGRAMMING AND TRAINING EFFORT SHALL OCCUR AT APPROXIMATELY 60 DAYS TIME.

3) THIS EFFORT WILL BE TO ALLOW THE STAFF TIME TO USE THE SYSTEM IN REAL TIME AND EVALUATE ANY ADDITIONAL QUESTIONS THEY MAY HAVE.

4) THIS EFFORT WILL ALSO INCLUDE CHANGES TO THE PROGRAMMING OF THE INTERFACE UNITS AND POSSIBLE CONTROL UNITS AS REQUESTED TO MAKE THE SYSTEM MORE USER FRIENDLY TO THE OPERATOR.

I PROJECT CONTRACTOR NOTES

1) TWO SETS OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNERSHIP AND THE CONSULTANT PRIOR TO WORK STARTING, TO CONVEY THE UNDERSTANDING OF THE DESIGN AND THE EXPECTATION OF THE CONTRACTOR AS IT RELATES TO THEIR SCOPE. INCLUDED WITH THE SHOP DRAWINGS SHALL BE;

   A) A COMPLETE SET OF DRAWINGS SHOWING THE SPECIFIC CONFIGURATION AND CONNECTIVITY OF THE SYSTEMS REPRESENTED IN THIS SCOPE OF WORK.

   B) DRAWINGS SHALL BE SUBMITTED EITHER ELECTRONICALLY USING DWG/PDF/ OR SIMILAR INDUSTRY STANDARD, OR HARD COPY ON DRAWING SHEETS MATCHING THE PROJECT STANDARD SIZE.

   C) WIRING, RACK PLACEMENT, CONNECTIVITY, WALL & FLOOR PENETRATIONS, BLOCK DIAGRAMS, AND SIMILARLY RELATED INFORMATION SHALL BE CONVEYED WITH IN THE SHOP DRAWINGS SUBMITTED.

   D) ANY CONTROL SYSTEM INTERFACE UNITS SHALL HAVE A GUI OR ENGRAVING INTERFACE DEVELOPED BY THE INSTALLING CONTRACTOR AND WILL BE SUBMITTED FOR REVIEW & COMMENT BY THE DESIGN TEAM AND OWNERSHIP BEFORE FINAL SYSTEM WILL BE ACCEPTED.

   E) ANY EQUIPMENT SUCH AS SPEAKERS, PROJECTORS, LIFTS, OR SIMILAR PRODUCTS THAT REQUIRE SPECIAL INFORMATION FOR INSTALLATION SHALL BE DETAILED FOR INSTALLATION REFERENCE.

2) TESTING SHALL BE DONE BASED ON BEST PRACTICES RECOMMENDATIONS WITH PERTINENT TESTING. A COMPLETE LIST OF THE TEST EXPECTED TO BE DONE SHALL BE INCLUDED WITH THE PROPOSAL. A FINAL REPORT OF THE TEST RESULTS SHALL BE INCLUDED AS A PART OF THE FINAL CLOSE-OUT PACKAGE.

3) TWO SETS OF A FINAL CLOSEOUT PACKAGE SHALL BE PROVIDED TO THE OWNER AND THE CONSULTANT, UPON COMPLETION OF THE PROJECT. THIS PACKAGE SHALL INCLUDE THE SET OF AS-BUILT DRAWINGS, A CONNECTIVITY SHEET (LAMINATED) AND PLACED WITH THE EQUIPMENT RACK, ALL PROGRAMS USED TO PROGRAM THE SYSTEM WITH THE VERSIONING USED FOR PROGRAMMING AS WELL AS A USABLE COPY OF THE FINAL PROGRAMMING DONE FOR EACH PIECE OF PROGRAMMABLE EQUIPMENT. A LIST OF FINAL SETTINGS SHALL ALSO BE PROVIDED FOR REFERENCE. A COPY OF ALL RELATED MANUALS AND WARRANTIES SHALL ALSO BE PROVIDED. THIS INFORMATION SHALL BE PLACED IN A THREE(3) RING BINDER.

4) ALSO INCLUDED WITH THE FINAL CLOSEOUT PACKAGE SHOULD BE A BASIC OPERATIONAL LAMINATE THAT PROVIDES A QUICK REFERENCE TO BASIC SYSTEMS OPERATIONS. THIS SHOULD BE PLACED WITH THE CONNECTIVITY SHEET LAMINATE AT THE EQUIPMENT RACK LOCATION.

5) AS-BUILT DRAWINGS ARE REQUIRED FOR THIS INSTALLATION. ALL AS-BUILT DRAWINGS SHALL INDICATE EQUIPMENT, CONNECTIVITY, LABELING, AND RELATED INFORMATION.

6) UPON COMPLETION OF THE PROJECT AND A FINAL INSPECTION BY THE CONSULTANT, A FINAL TRAINING SHALL BE ARRANGED BY THE PRIMARY CONTRACTOR TO OFFER COMPLETE TRAINING ON ALL REQUIRED SYSTEMS.

7) ALL CURRENT NETWORK & AUDIO VIDEO PROTOCOLS, STANDARDS, AND GUIDELINES SHALL BE FOLLOWED WHEN MAKING CONNECTIONS, PROGRAMMING, AND LABELING THE SYSTEMS.

8) CAD FILES OF THE CONSULTANTS DRAWINGS SHALL NOT BE PROVIDED AND SHALL NOT BE USED WITH THE POSSIBLE EXCEPTION OF A COMBINED RCP & FLOOR PLAN DRAWING THAT COULD BE MADE AVAILABLE WITH A SIGNED RELEASE FORM. IT IS INTENDED THAT ALL DRAWINGS INDICATED IN THIS PACKAGE ARE TO BE PROVIDED BY THE AV INTEGRATOR AND DONE WITH THEIR OWN DRAWINGS AND FORMATS. BACKGROUND DRAWINGS IN CAD FORM SHOULD BE REQUESTED FROM THE ARCHITECT TO BE MADE AVAILABLE FOR USE.

J JUNCTION BOX & CONDUIT NOTES

1) ALL CONDUIT IS TO BE ¾" UNLESS OTHERWISE NOTED.

2) ONE JUNCTION PULL BOX APPROX. EVERY 100' OF STRAIGHT CONDUIT RUNS. ALSO LOCATE ONE JUNCTION PULL BOX FOR EVERY TWO NINETY DEGREE BENDS OR SIMILAR ANGLES. ACCESS TO THE PULL BOX LOCATIONS SHOULD BE COORDINATED WITH THE DESIGN TEAM.

3) THE JUNCTION BOX LOCATIONS ARE GIVEN FOR COORDINATION PURPOSES ONLY. THE PATHWAY OF THE RELATED CONDUIT WILL BE DETERMINED BY THE MEP FIRM AND FIELD CONDITIONS.

4) EACH JUNCTION BOX SHALL HAVE A PULL STRING PROVIDED FOR FUTURE CABLE INSTALLATIONS. ALL CABLE INSTALLATIONS WILL INCLUDE A REPLACEMENT PULL STRING. ALL CONDUIT RUNS SHALL BE LABELED ON BOTH ENDS.

5) ALL CONDUIT PATHWAYS TO BE STUBBED TO ACCESSIBLE CEILING AREA CONTIGUOUS TO CABLE DESTINATION ROOM. TO PROVIDE FULLY ACCESSIBLE CABLE PATHWAY.

6) ALL CONDUIT SHALL BE CLEARLY MARKED ON EACH END WITH TAPE, LABLE, OR PAINT AS TO DESIGNATE IT SPECIFICALLY FOR AUDIO/VISUAL USE ONLY.

K ELECTRICAL AND MECHANICAL NOTES

1) ANY ELECTRICAL DEVICE LOCATIONS ARE MEANT FOR THE INCORPORATION INTO THE PROJECT ELECTRICAL DRAWINGS FOR INCLUSION INTO THE ELECTRICAL SYSTEMS.

2) POWER RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. THEY ARE SHOWN FOR THE INCORPORATION BY THE ELECTRICAL ENGINEER INTO THEIR STAMPED DRAWINGS.

3) DO NOT RUN ELECTRICAL FEEDS PARALLEL TO ANY AUDIO/ VIDEO/ OR CONTROL CABLE WHEN EVER POSSIBLE. ALL CABLE CROSSING SHOULD BE DONE AT A NINETY DEGREE ANGLE. A MINIMUM OF FOUR FEET OF SEPARATION SHOULD BE MAINTAINED FOR ANY PARALLEL RUNS.

4) DETAILS RELATED TO ELECTRICAL REQUIREMENTS AND HEAT LOADS ARE PROVIDED FOR IN THE DETAILS SECTION OF THE DRAWINGS. OUTLET LOCATIONS ARE CALLED OUT FOR ON BOTH THE DRAWINGS AND THE DETAIL SECTIONS.

5) CABLE TRAYS ARE EXPECTED TO BE IN THE DOMAIN OF THE ELECTRICAL CONTRACTOR AND THE GC. J-HOOKS AND RELATED SUPPORT FOR OTHER CABLING NEEDS SHALL BE PROVIDED BY THE AV INTEGRATOR UNLESS STRUCTURAL REQUIREMENTS DICTATE OTHERWISE.

6) THE ELECTRICAL CONTRACTOR WILL INSTALL ALL FLOOR MOUNT AND OUTLET BOXES. CABLING CONTRACTOR TO FURNISH AND INSTALL VOICE AND DATA CABLING, FACEPLATES AND JACKS AS DETAILED ON DRAWINGS.

L NETWORK CONFIGURATION

1) AT SOME RACK LOCATIONS THERE ARE TWO DATA DROPS INDICATED. ONE DROP IS RECOMMENDED TO BE CONNECTED TO THE ADMINISTRATIVE NETWORK. THE SECOND DROP IS TO BE COORDINATED WITH THE HIGH SPEED INTERNET SERVICE PROVIDER FOR A OUTSIDE ACCESS IP ADDRESS FOR USE WITH THE BACKGROUND MUSIC SYSTEMS. (WHERE APPLICABLE) IF ONLY ONE DATA DROP IS INDICATED THEN THE ADMINISTRATIVE NETWORK IS THE DEFAULT CONNECTION.

2) IF ACCESS TO THE FACILITIES LAN IS NOT AVAILABLE, IT IS THE RESPONSIBILITY OF THE INTEGRATOR TO CREATE A SUB-NETWORK FOR THE SYSTEM TO RESIDE ON AND INTERACT WITH. A V-LAN SHOULD FOLLOW ALL FACILITY AND INDUSTRY STANDARDS FOR CONFIGURATION.

M GENERAL CABLING & OTHER REQUIREMENTS

1) PATCH PANELS ARE TO BE CAT6 OR CAT6A SHIELDED (AS SHOWN IN DRAWING SET) WITH RJ-45 PATCH CABLE CONNECTIONS. THESE ARE TO BE RACK MOUNTABLE WITH PUNCH-DOWN BLOCK CONNECTIONS AND TERMINATED TO T568B PIN CONFIGURATION STANDARDS. PATCH PANELS ARE TO BE SUPPLIED IN AMPLE QUANTITIES AND PORT CONFIGURATIONS TO TERMINATE ALL HORIZONTAL CABLES. PROVIDE SEPARATE PATCH PANELS FOR EACH OF THE FOLLOWING INFRASTRUCTURAL NETWORK TYPES - AUDIO/VISUAL, ADMINISTRATIVE, POS, SECURE, EXECUTIVE, CORPORATE, GUEST, AND COMMON AREA NETWORKS. PATCH PANELS SHOULD BE LABELED ACCORDINGLY TO PROVIDE CLEAR AND CONCISE INFORMATION DETAILING THE OUTLET CIRCUITING FOR EACH PORT. WIRE MANAGEMENT TO BE SUPPLIED BETWEEN EACH PANEL AND ON THE TOP AND BOTTOM OF ALL PANEL ROWS. HORIZONTAL WIRE MANAGEMENT TO BE TWO(2) RACK UNITS IN HEIGHT (3.5")

2) VERTICAL RISERS SHALL BE SECURED TO STEEL ANGLE CHANNEL WITH CABLE STRAPS AT EACH FLOOR. SEE NTI DV DRAWING SET FOR DETAILS.

3) ALL HORIZONTAL CABLING RUNS WILL BE HOME RUN TO THE APPROPRIATE IDF OR AV CLOSET(AS APPROPRIATE) USING THE CEILING SPACES IN CORRIDORS, UNLESS OTHERWISE NOTED. CONTRACTOR IS RESPONSIBLE FOR THE FINAL ROUTING AND FIELD VERIFICATION OF THE DISTANCE OF EACH STATION RUN. NO RUN LENGTHS SHALL EXCEED TIE/EIA STANDARDS OF 100 METERS-MAX (ENDPOINT TO ENDPOINT, INCLUDING CABLE COILS) UNLESS OTHERWISE NOTED.

4) FOR THE INSTALLATION OF CABLING SYSTEM, ALL EQUIPMENT RACKS, LADDER RACKS, CABLE TRAYS, GROUNDING SYSTEMS AND RELATED EQUIPMENT, MUST FOLLOW THE GUIDELINES ESTABLISHED IN THE MOST CURRENTLY PUBLISHED VERSIONS OF NEC, TIE/EIA 568C, NFPA, INFOCOMM INTERNATIONAL, ANSI, AND ANY LOCAL, STATE, OR MUNICIPAL CODES, IN EFFECT AT THE TIME OF INSTALLATION. ALL CABLE BUNDLES MUST BE INSTALLED USING PROPER WIRE MANAGEMENT TECHNIQUES, USING A NEAT AND WORK PERSON LIKE FASHION. THE CABLE INSTALLER WILL INSTALL CABLE BUNDLES FOLLOWING ALL TIE/EIA & BICSI GUIDELINES AS TO WIRE TIES, CINCHING TIGHTNESS, BEND RADIUS, NEATNESS, WIRE MANAGEMENT, LABELING, ETC. ANY ASSOCIATED HARDWARE, MATERIAL, OR COMPONENTS NEEDED TO PROPERLY INSTALL A COMPLETE AND FUNCTIONAL SYSTEM. PER THESE GUIDELINES, MUST BE INCLUDED IN THE INITIAL BID RESPONSE AND ARE THE RESPONSIBILITY OF THE CABLING CONTRACTOR.

5) ALL HORIZONTAL AND VERTICAL CABLES ARE TO BE PLENUM RATED UNLESS OTHERWISE NOTED. THE CABLING CONTRACTOR IS RESPONSIBLE FOR VERIFYING WITH LOCAL CODE OFFICIALS, THE ACCEPTANCE FOR USE OF ANY NON-PLENUM RATED CABLES.

6) ALL CABLE RUNS SHALL BE SUPPORTED IN THE OPEN SPACE AREAS USING CADDY STYLE CATEGORY 6 (6A SHIELDED AS NOTED) RATED J HOOKS USING AN INDEPENDENT SUPPORT SYSTEM (I.E. THE J-HOOKS MUST NOT BE HUNG FROM THE CEILING GRID SUPPORT OR ANY OTHER DISCIPLINES SUPPORT SYSTEM). BRIDLE RINGS OR TYPING CABLES TO STRUCTURE WILL NOT BE PERMITTED

7) THE CONTRACTOR INSTALLING THE CABLING INFRASTRUCTURE IS RESPONSIBLE FOR ALL J-HOOKS, CABLE TRAYS, AND RELATED MATERIALS REQUIRED TO COMPLETE THE CABLE PATHWAY TO THE HOMERUN LOCATION.

8) FIBER RISERS WILL BE TERMINATED INTO RACK MOUNTED FIBER ENCLOSURES OR WC BOXES WITH "LC" STYLE CONNECTORS AND BULKHEADS. FIBER ENCLOSURES WILL BE SUPPLIED IN THE APPROPRIATE PORT CONFIGURATIONS AS REQUIRED. COPPER DATA RISER CABLES SHALL BE TERMINATED ON RACK MOUNTED PATCH PANELS. ALL ENCLOSURES AND TERMINATIONS WILL BE CLEARLY LABELED INDICATING THE FLOOR, CLOSET DESIGNATIONS, AND PORT NUMBER SERVED.

9) THE CABLING CONTRACTOR WILL BE RESPONSIBLE FOR FIRE-STOPPING ALL WALL AND FLOOR PENETRATIONS PER LOCAL CODES.

10) THE CABLING CONTRACTOR WILL PROVIDE THE DESIGN TEAM A COPY OF ALL TEST REPORTS AND PROVIDE ADDITIONAL COPIES FOR RELATED INSTALLATION CONTRACTORS AS NEEDED. (SEE "GENERAL TESTING REQUIREMENTS' SECTION FOR THE TEST REQUIREMENTS)

11) CONDUIT FILL SIZE SHALL FOLLOW THE NEC GUIDELINES FOR FILL CAPACITY.

N CABLE PULLING

1) MAINTAIN MINIMUM BEND RADIUS ON ALL CABLE TYPES. THIS RADIUS IS GENERALLY 4 TIMES THE CABLE O.D. FOR COPPER CABLE TYPES.

2) THE MAXIMUM DISTANCE BETWEEN THE END BOX LOCATION AND THE HOME RUN LOCATION IS 225 FEET.

3) DO NOT EXCEED 25LBS OF PULLING TENSION ON CABLES.

4) MINIMIZE TENSION ON SUSPENDED CABLE RUNS BY PLACING SUPPORTS EVERY 5 FEET WHEN J-HOOKS OR SIMILAR DEVISES ARE BEING USED FOR CABLE SUPPORT.

5) DO NOT OVER SINCH CABLE TIES ON CABLE BUNDLES. CABLES TIES SHOULD BE LOOSELY FITTED OVER THE CABLES AS TO NOT CAUSE INDENTION IN THE CABLE JACKET.

6) PLENUM RATED CABLE TIES MUST BE USED IN ALL RETURN AIR PLENUM SPACES.

7) LEAVE 6 FOOT SERVICE LOOPS OF AT ALL SPEAKER LOCATION.

8) LEAVE 3 FOOT SERVICE LOOPS AT ALL FACEPLATE LOCATIONS.

9) LEAVE 10 FOOT SERVICE LOOPS AT ALL RACK LOCATIONS.

10) AVOID SOURCES OF EMI ON UNSHIELDED CABLES BY MAINTAINING THE FOLLOWING MINIMUM SEPARATION DISTANCES BETWEEN CABLING PATHWAYS AND POTENTIAL SOURCES:

A) 4 FEET FROM MOTORS OR TRANSFORMERS

   B) 1 FOOT FROM CONDUIT OR CABLES USED IN ELECTRICAL DISTRIBUTION.

C) 6 INCHES FROM FLUORESCENT LIGHTING.

   CABLE PATHWAYS SHOULD CROSS PERPENDICULAR TO FLUORESCENT LIGHTING AND ELECTRICAL POWER CABLES OR CONDUITS.

11) INSTALLER SHALL DEVELOP AND SUBMIT FOR APPROVAL, A PERMANENT LABELING SYSTEM FOR THE CABLING INFRASTRUCTURE INSTALLATION.

O LABELING NOTES

1) ALL CABLES AND EQUIPMENT SHOULD BE EASILY IDENTIFIABLE.

2) CABLES SHOULD BE LABELED USING A THERMAL TRANSFER LABELING DEVICE FOR EASY READING AND DURABILITY. THE LABEL SHOULD BE COVERED WITH CLEAR HEAT SHRINK OR SIMILAR PROTECTIVE COVERING TO HELP PROTECT THE LABEL. THE LABEL SHOULD BE PLACED BETWEEN 4" AND 6" FROM

** SYMBOLS AND LEGEND SHEET **

ALL EQUIPMENT SHOWN ON FLOOR PLANS AND RCP DRAWINGS IS REPRESENTED ON THIS LEGEND SHEET.
ALL RACK MOUNTED AND OTHER REQUIRED EQUIPMENT IS SHOWN IN THE AV8.XX SERIES DRAWING SHEETS.

SYMBOLS / DESCRIPTIONS / INFRASTRUCTURE / EQUIPMENT

INFRASTRUCTURE						CABLE REQUIREMENTS				INTEGRATOR PACKAGE		
CONDUITS, JUNCTION BOXES, AND CABLE PATHWAYS TYPICALLY PROVIDED BY THE GC AND/OR ELECTRICAL SUBCONTRACTOR.						THESE ITEMS TYPICALLY PROVIDED BY THE AV INTEGRATOR				THESE ITEMS TYPICALLY PROVIDED BY THE AV INTEGRATOR		
SYMBOL	DESCRIPTION	BACK-BOX TYPE / SIZE	MOUNT HEIGHT	CONDUIT REQUIREMENTS *Note: All conduit to be contiguous to home-run destinations, J-hooks, or Cable tray Locations.*	NOTES	CABLE	CONNECTORS	FACE PLATE COVER	ACCESSORIES	BRAND	MODEL	NOTES
CP.1	AUDIO/VISUAL CONTROL PANEL	J2	SSH	ONE (1) 3/4" FLEX CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE		(1) TPC1	C1	NA		BSS	EC-8BV	
CP.2	AUDIO/VISUAL CONTROL PANEL	J2	SSH	ONE (1) 3/4" FLEX CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE		(1) TPC1	C1	NA		BSS	EC-8BV	
FP.1	AUDIO INPUT/ OUTPUT FACE-PLATE	J2	SOH	ONE (1) 1" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE		(1) TPC1	C1	T2		ATTEROTECH	UNDX210	
FP.2	WEATHERPROOF AUDIO INPUT/ OUTPUT FACE-PLATE	J2	SOH	ONE (1) 1" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE		(1) TPC1	C1	T2		ATTEROTECH	UNDX210	MOUNTED WITH WEATHERPROOF COVER
S1	BACKGROUND MUSIC SPEAKERS	INCLUDED WITH SPEAKER	FLUSH TO CEILING	NA	DAISY CHAIN WIRE PER DRAWINGS W/6' SERVICE LOOP AT EACH LOCATION	(1) SPK1	PHX	NA	NA	TANNOY	CVS-4	UNIT TAPPED AT 15W
S2	FLUSH MOUNTED CEILING SPEAKER	INCLUDED	FLUSH TO CEILING	NA	UNITS ARE DAISY CHAINED TOGETHER IN A 70V CONFIGURATION UNLESS OTHERWISE NOTED	(1) SPK1	NA	NA	NA	TANNOY	CVS 6	UNIT TAPPED AT 30W
S3	WALL MOUNTED SPEAKER	1 GANG	120" AFF	3/4" CONDUIT STUBBED UP TO ACCESSIBLE CEILING LOCATION	UNITS ARE DAISY CHAINED TOGETHER IN A 70V CONFIGURATION UNLESS OTHERWISE NOTED	(1) SPK1	NA	NA	NA	TANNOY	DVS-6T	UNIT TAPPED AT 30W
S7	GROUND MOUNTED SPEAKER	INCLUDED	GROUND MOUNTED	NA	UNITS ARE DAISY CHAINED TOGETHER IN A 70V CONFIGURATION UNLESS OTHERWISE NOTED	(1) SPK1	NA	NA	NA	CRESTRON	AIR LS6T	UNIT TAPPED AT 15W

* = DENOTES LOCATION FOR COLOR SELECTION. SEE DETAIL SHEET FOR FURTHER INFORMATION ON EACH UNIT ABOVE.

BULK CABLE TYPE & DESCRIPTION

SYMBOL	BRAND	MODEL #	DESCRIPTION	NOTES
AUD1	BELDEN	6400FE	2 CONDUCTOR 20AWG SHIELDED AUDIO CABLE	
AUD2	BELDEN	6300FE	2 CONDUCTOR 18AWG SHIELDED AUDIO CABLE	
AUD3	BELDEN	6341PC	2 PAIR 18AWG SHIELDED AUDIO CABLE	
CTL1	BELDEN	1392P	22 AWG 1 SHIELDED PAIR & 18 AWG 2 CONDUCTOR	AXLINK / CRESNET
CTL2	BELDEN		CAT 6 SHIELDED CABLE	KEYPAD / TOUCH-PANEL / ATTEROTECH
CTL3	BELDEN		CAT 6 SHIELDED CABLE	DXLINK / DM8G / HAL
CTL4	BELDEN	82842	4 CONDUCTOR CABLE	DMX LIGHTING CONTROL
FIB1	MOHAWK	M9E043	50/125 MM OM3 2 STRAND GRADE 6 FIBER CABLE	
FIB2	MOHAWK	M9E044	50/125 MM OM3 4 STRAND GRADE 6 FIBER CABLE	
FIB3	MOHAWK	M9E261	50/125 MM OM3 12 STRAND ARMOR FIBER CABLE	
FIB4	MOHAWK	M9E251	50/125 MM OM3 12 STRAND ARMOR PATCH CABLE	FOR RISERS
FIB5	MOHAWK	M9W043	SM ENHANCED SM2 2 STRAND FIBER CABLE	
FIB6	MOHAWK	M9W044	SM ENHANCED SM2 4 STRAND FIBER CABLE	
FIB7	MOHAWK	M9W261	SM ENHANCED SM2 12 STRAND ARMOR FIBER CABLE	
FIB8	MOHAWK	M9W251	SM ENHANCED SM2 12 STRAND ARMOR FIBER CABLE	FOR RISERS
SPK1	BELDEN	5100UP	14 AWG 2 CONDUCTOR SPEAKER WIRE	TYPICALLY DAISY CHAINED WITH 6' SERVICE LOOPS AT EACH LOCATION
SPK2	BELDEN	6200UE	16AWG 2 CONDUCTOR SPEAKER WIRE	TYPICALLY DAISY CHAINED WITH 6' SERVICE LOOPS AT EACH LOCATION
SPK3	BELDEN	6000UE	18AWG 2 CONDUCTOR SPEAKER WIRE	TYPICALLY DAISY CHAINED WITH 6' SERVICE LOOPS AT EACH LOCATION
TPC1	MOHAWK	M58281	CAT6	
TPC2	MOHAWK	M58687	GIGALAN10	
TPC3	MOHAWK	M58886	CAT6 SHIELDED	
TPC4	MOHAWK	M58814	LOW SKEW SPECTRUM CAT6	
TPC5	MOHAWK	M58772	CAT6 - INDOOR/ OUTDOOR	
VID1	BELDEN	1395P	25 AWG 5 CONDUCTOR MINI HI-RES COAX	

SEE CABLE PULLING GUIDE ON COVER SHEET FOR INSTALLATION GUIDELINES. ALL CABLES LISTED ARE PLENUM RATED. VERIFY PLENUM REQUIREMENTS WITH GC.

ELECTRICAL SYMBOLS AND NOTES

SYMBOL	DESCRIPTION	MOUNT TYPE & SIZE	MOUNT HEIGHT	CONDUIT REQUIREMENTS
	120V 20AMP DEDICATED CIRCUIT WITH DUPLEX OUTLET*	SEE ELECTRICAL DRAWINGS FOR JUNCTION BOX SIZE	SOH	REFER TO ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS
	120V 20AMP DEDICATED CIRCUIT UNTERMINATED*	SEE ELECTRICAL DRAWINGS FOR JUNCTION BOX SIZE	12" AFC	REFER TO ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS
	120V 20AMP DEDICATED CIRCUIT WITH QUAD OUTLET*	SEE ELECTRICAL DRAWINGS FOR JUNCTION BOX SIZE	SOH	REFER TO ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS
	208V~240V SINGLE PHASE CIRCUIT WITH NEMA L6-30P RECEPTACLE	SEE ELECTRICAL DRAWINGS FOR JUNCTION BOX SIZE	SOH	REFER TO ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS

*RECOMMEND THAT ALL AV REQUESTED OUTLETS BY I.G. WHEN EVER POSSIBLE. A SEPARATE GROUND BAR WITH A COMMON GROUND IS ACCEPTABLE AS WELL.

ABBREVIATIONS & TERMS

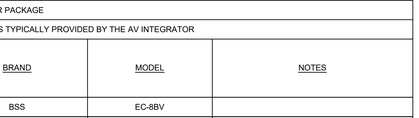
SYMBOL	DESCRIPTION
LC / SC	FIBER OPTIC TERMINATION (INDIVIDUALLY SPECIFIED)
RJ - XX	DATA TYPE CABLE TERMINATION(RJ-11/RJ-45)
RCA	STANDARD AUDIO/VIDEO CONNECTOR TYPE (M/F)
MINI	1/8" AUDIO CONNECTOR TYPE (M/F)(MONO/STEREO)
XLR	THREE PIN BALANCED AUDIO CONNECTOR TYPE (M/F)
SPDIF	COAXIAL RCA DIGITAL AUDIO CONNECTOR TYPE (M/F)
1/4"	1/4" AUDIO CONNECTOR TYPE (M/F)(MONO/STEREO)
PHOENIX	PHOENIX STYLE CONNECTOR
SP/ON	SPEAK ON TYPE CONNECTION (M/F)
15-PIN	15-PIN CONNECTION TYPE (TYPICAL COMPUTER CONNECTION)
RGBHV	FIVE BNC TYPE CONNECTORS (TYPICAL COMPUTER CONNECTION)
DVI	MULTI-PIN DIGITAL CONNECTOR (TYPICALLY FOR DIGITAL VIDEO)
HDMI	MULTI-PIN DIGITAL CONNECTOR (DIGITAL VIDEO, AUDIO, & CONTROL)
HDCP	HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION
RS-232	9-PIN SERIAL CONTROL CABLE
RG-XX	COAXIAL CABLE CONNECTOR (M/F)
SSH	STANDARD SWITCH HEIGHT FOR THE PROJECT (TYPICALLY 48" ON CENTER)
SOH	STANDARD OUTLET HEIGHT FOR THE PROJECT (TYPICALLY 18" ON CENTER)
AFF	ABOVE FINISHED FLOOR
AFC	ABOVE FINISHED CEILING
BFC	BELOW FINISHED CEILING
FP	FLOOR PLAN
RCP	REFLECTIVE CEILING PLAN
UOS	UNLESS OTHERWISE SPECIFIED

ADDITIONAL SYMBOLS

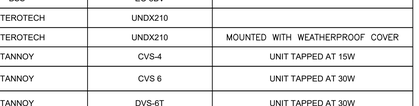
SYMBOL	DESCRIPTION
#XX / AV-X.XX	INTERIOR ELEVATION INDICATOR
#XX / AV-X.XX	EXTERIOR ELEVATION INDICATOR
#XX / AV-X.XX	DETAIL INDICATOR
#XX / AV-X.XX TITLE	TITLE BLOCK
X	KEYNOTE
SX	CEILING MOUNTED SPEAKER TYPE
SX	CEILING MOUNTED SPEAKER TYPE
SX	WALL MOUNTED SPEAKER TYPE
SX	WALL MOUNTED SPEAKER TYPE
PX	PROJECTOR TYPE
- AAAX -	CABLE TYPE
X	RACK TYPE
ST.X	SCREEN TYPE
DT.X	FLAT PANEL TYPE
CA.X	CAMERA TYPE
CP.X	CONTROL PANEL TYPE
FP.X	FACE PLATE TYPE
FB.X	FLOOR BOX TYPE
CB.X	CEILING BOX TYPE

ELECTRICAL SYMBOLS AND NOTES

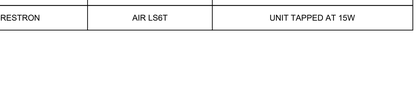
TYPICAL FLOOR PLAN EQUIPMENT LOCATION:



TYPICAL RCP CEILING SPEAKER LOCATION:



TYPICAL RCP PROJECTOR LOCATION:



TYPICAL RCP SCREEN LOCATION:

TYPICAL LINE DRAWING TAB INDICATOR:

EQUIPMENT & CONNECTOR SYMBOLS

PRODUCTS BELOW ARE SUGGESTIONS, SUBSTITUTIONS WILL BE CONSIDERED AS NECESSARY.

SYMBOL	BRAND	MODEL #	DESCRIPTION
JX	GENERIC	MUST BE 3" DEEP	JUNCTION BOX X= NUMBER OF GANGS
TX	GENERIC	GENERIC	FACEPLATE X= NUMBER OF GANGS
B1	FSR	FL-500P-6-BLP-C	VERIFY LID TYPE WITH ID
B2	FSR	FL-700-BLP-C	VERIFY LID TYPE WITH ID
XL1	NEUTRIK	NC3FD-L-X	X=1 SILVER / BAG-1 BLACK
XL2	NEUTRIK	NC3MD-L-X	X=1 SILVER / BAG-1 BLACK
XL3	SWITCHCRAFT	D3F / D3FB	D3F = SILVER / D3FB = BLACK
XL4	SWITCHCRAFT	D3M / D3MB	D3M = SILVER / D3MB = BLACK
LC1	LEVITON	41085-SLX	X=(W)HITE, (I)VORY, (B)LACK
LC2	NEUTRIK	NO2-4FDW-A	ADD "-1-" FOR SMPTE SHIELD
SC1	LEVITON	41085-MXC	X=(W)HITE, (I)VORY, (B)LACK
C1	BELDON	HIPMP-RJ45CAT6	FOR CAT 6 BASIC PLUG
C2	LEVITON	61110-RY6	FOR CAT 6 BASIC JACK
C3	NEUTRIK	NE8FDV-Y110	FOR CAT6 DURABLE PLUG ADD "-B" FOR BLACK
C4	LEVITON	6110G-RY6	FOR CAT6A JACK
C5	BELDON	HIPMP-RJ45CAT6GC	FOR CAT6A PLUG
C6	NEUTRIK	NE8FDY-C6	FOR CAT6A SHIELDED ADD "-B" FOR BLACK
C7	LEVITON	6A10G-RY6	FOR CAT6A SHIELDED QUICKPORT
BNC	BELDON	FS1BNC	FOR 5 BNC VGA CABLE
1/4"	NEUTRIK	NJ3FP6C	ADD "-BAG" FOR BLACK
PHX	GENERIC	GENERIC	INCLUDED WITH EQUIPMENT

PATCH AND PRE-TERMINATED CABLE SYMBOLS

ALL CABLE LENGTHS ARE TO BE FIELD VERIFIED BY THE INTEGRATOR UNLESS OTHERWISE STATED BELOW.

SYMBOL	BRAND	MODEL #	DESCRIPTION
CAT6	LEVITON	SRJ-U60MY001MY2U	1 METER CAT6 PATCH
CAT6A	LEVITON	SRJ-U6AMY001MY2U	1 METER CAT6A PATCH
MMF1	LEVITON	FPC-M4PD1CC001FAB	1 FOOT MM PATCH LC/LC
MMF2	LEVITON	FPC-M4PD1BB001FAB	1 FOOT MM PATCH SC/SC
SMF1	LEVITON	FPC-S2PD1CC001FAB	1 FOOR SM PATCH LC/LC
MIC	C2G	40061	25' MICROPHONE CABLE
PHONO	C2G	40067	25' (M) 1/4" TO (M) 1/4"
HDM1	EXTRON	26-650-XX	HDMI TO HDMI
HDM2	EXTRON	26-614-XX	HDMI TO DVI
VGAA	EXTRON	26-490-XX	VGA W/AUDIO (M) TO (M)
DVI1	EXTRON	26-651-XX	DVI TO DVI
DVI2	EXTRON	26-619-01	DVI (M) TO VGA (F) 6"
DVI3	EXTRON	26-609-01	DVI (M) TO 5 BNC (F) 6"
STR1	EXTRON	26-641-XX	DUAL RCA (M) TO RCA (M)
STR2	EXTRON	26-642-06	⅛" STEREO TO TWO RCA (M)
TT	MOGAMI	PJM-XX	TT (M) TO TT (M)
ASA1	EXTRON	60-804-01	STEREO RCA TO MONO PHX
IRED	GENERIC	2 COND IR CABLE	IR BLASTER TO BAREWIRE
SERIAL	EXTRON	26-433-XX	9-PIN TO 9-PIN CONTROL CABLE

XX= LENGTH UNLESS OTHERWISE NOTED.

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1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
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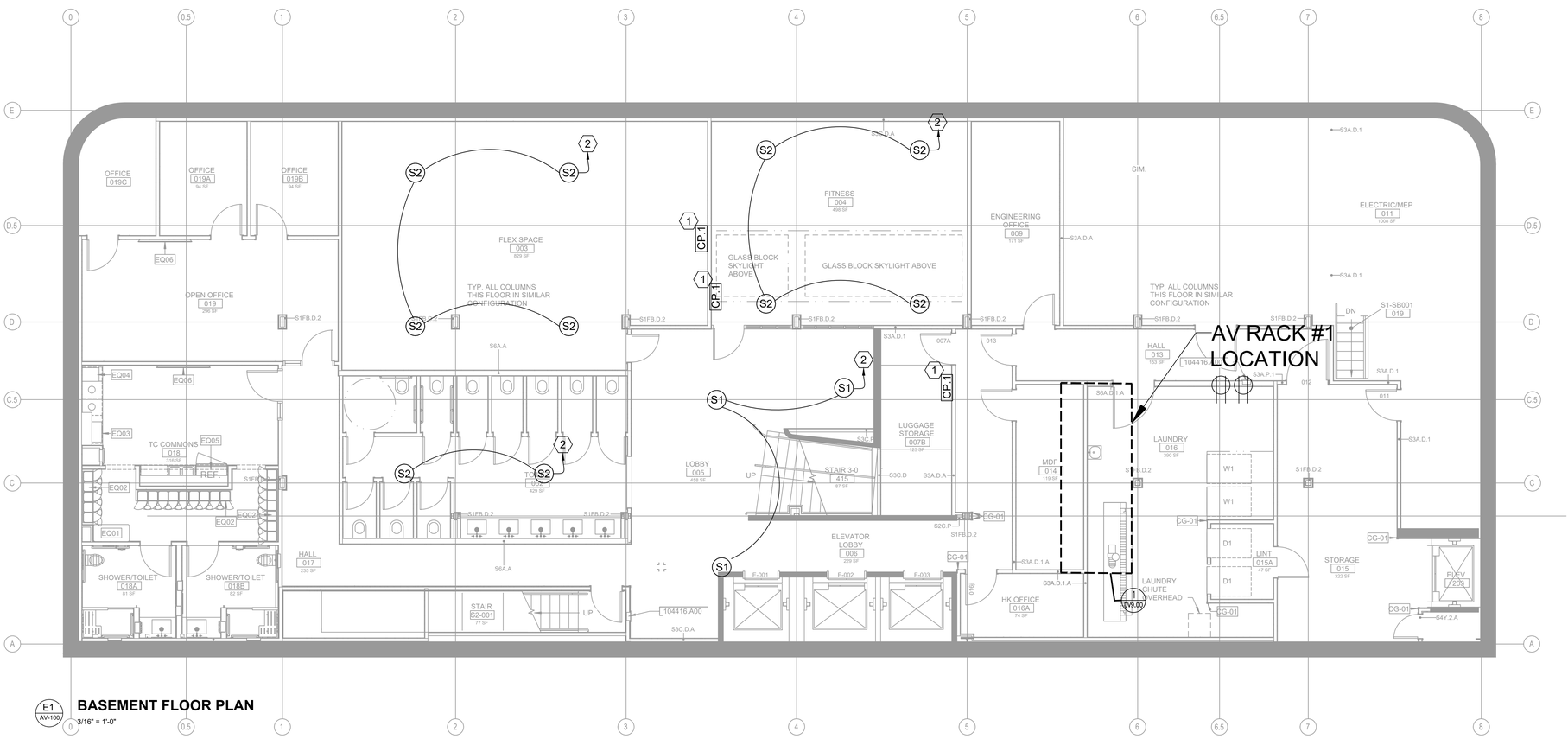
PROJECT NO.

SHEET TITLE
LEGEND SHEET
-AV SYSTEMS

SHEET NUMBER
AV-001



E1 / AV-100 **BASEMENT FLOOR PLAN**

3/16" = 1'-0"

SYMBOL KEY & DESCRIPTION

SYMBOL	DESCRIPTION
CP.X	CONTROL PANEL
#	RACK LOCATION & NUMBER
SX	SPEAKER TYPE
FP.X	FACE PLATE TYPE

KEY NOTES

CABLES BELOW ARE HOMERUN TO AV RACK #1

1	(1) TPC1 CABLE
2	(1) SPK1 CABLE
3	(1) AUD3 CABLE

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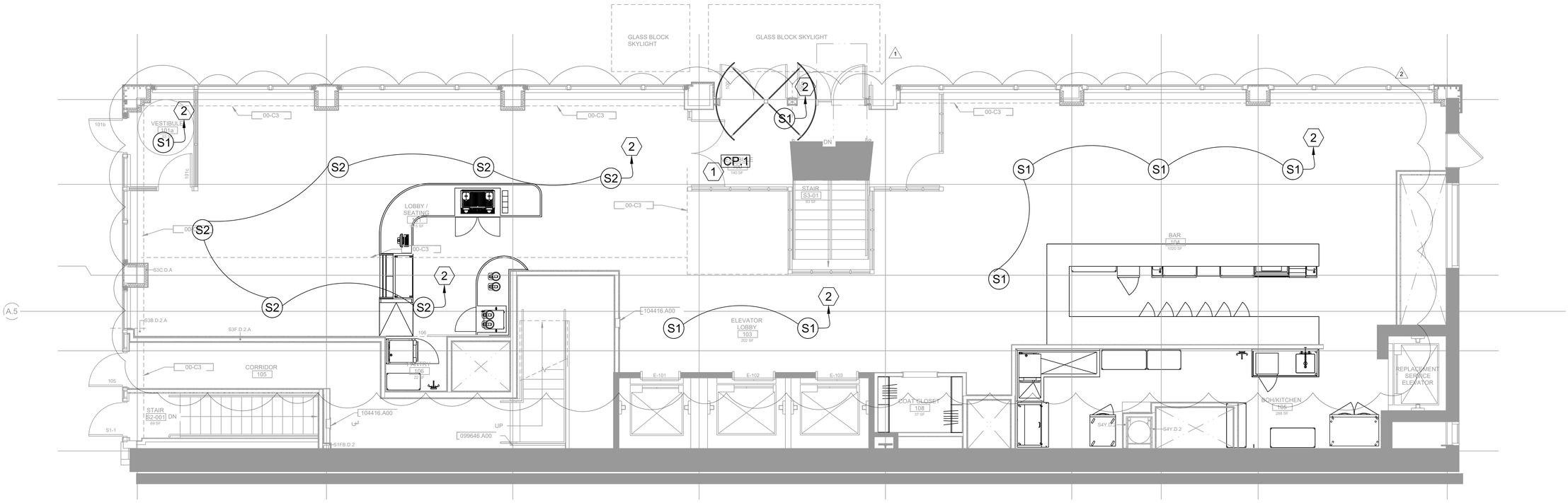
PROJECT NO.

SHEET TITLE
SUB-BASEMENT AND BASEMENT FLOOR PLANS -AV SYSTEMS

SHEET NUMBER
AV-100

SYMBOL KEY & DESCRIPTION	
SYMBOL	DESCRIPTION
CP.X	CONTROL PANEL
# X	RACK LOCATION & NUMBER
SX	SPEAKER TYPE
FP.X	FACE PLATE TYPE

KEY NOTES	
CABLES BELOW ARE HOMERUN TO AV RACK #1 ON BASEMENT	
1	(1) TPC1 CABLE
2	(1) SPK1 CABLE
3	(1) AUD3 CABLE



REFER TO SITE PLAN FOR EXTERIOR SEATING

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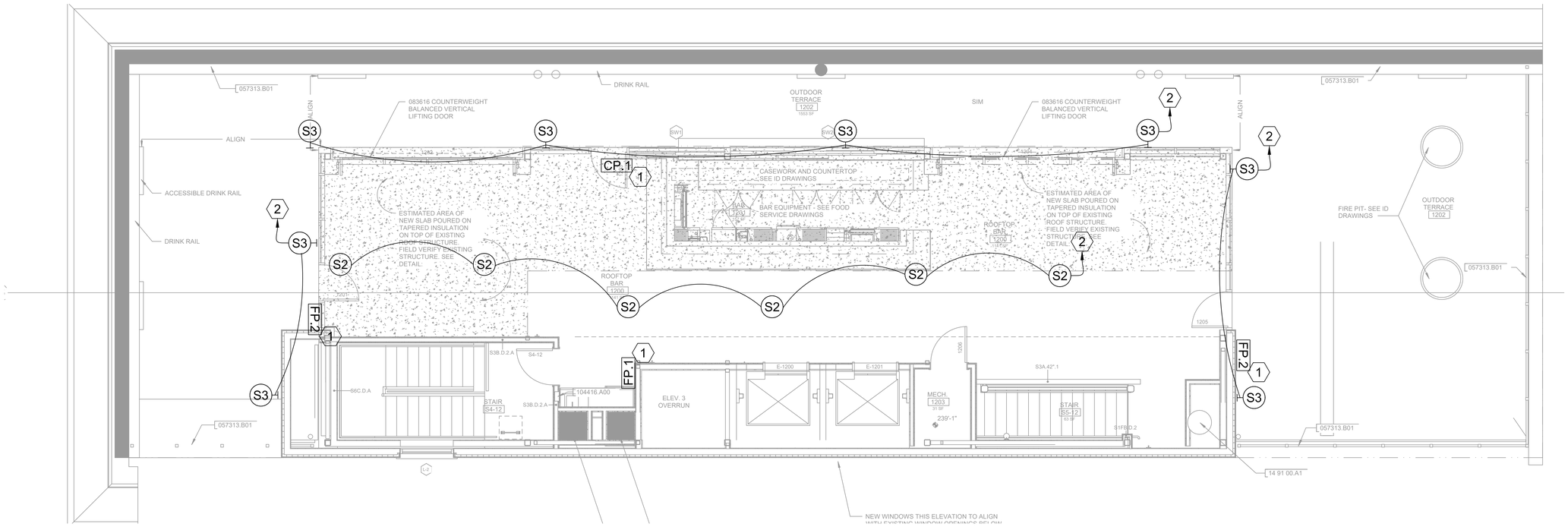
PROJECT NO.

SHEET TITLE
FIRST AND SECOND FLOOR PLAN -DATA/VOICE

SHEET NUMBER
AV-101

SYMBOL KEY & DESCRIPTION	
SYMBOL	DESCRIPTION
CP.X	CONTROL PANEL
#	RACK LOCATION & NUMBER
SX	SPEAKER TYPE
FP.X	FACE PLATE TYPE

KEY NOTES	
CABLES BELOW ARE HOMERUN TO AV RACK #2 ON LEVEL 10.	
1	(1) TPC1 CABLE
2	(1) SPK1 CABLE
3	(1) AUD3 CABLE



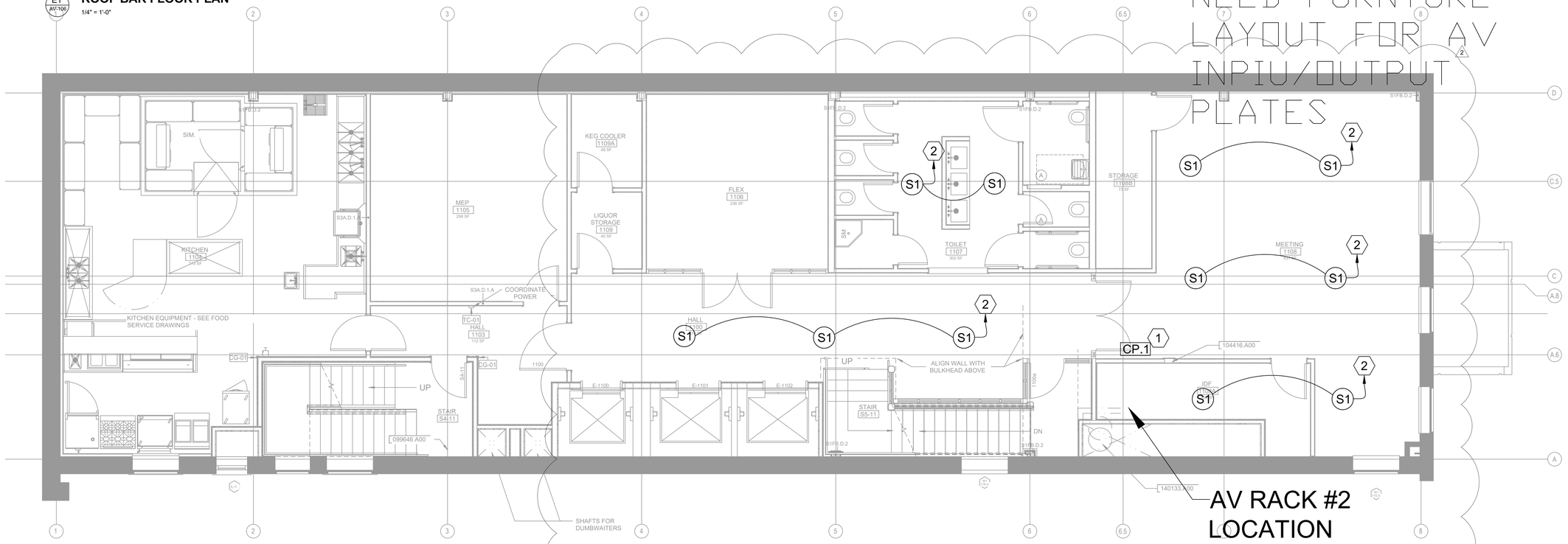
E1 AV-106

ROOF BAR FLOOR PLAN

1/4" = 1'-0"

NEED FURNTURE LAYOUT FOR AV INPIU/OUTPUT PLATES

AV RACK #2 LOCATION



B1 AV-106

ELEVENTH FLOOR PLAN

1/4" = 1'-0"

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SHEET ISSUE

1	1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	2	100% CD	02/28/2025

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PROJECT NO.

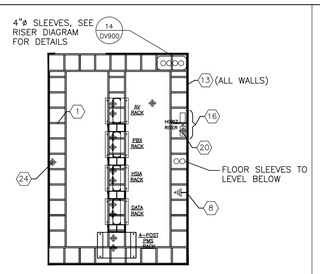
SHEET TITLE

ELEVENTH AND ROOF BAR PLANS -AV SYSTEMS

SHEET NUMBER

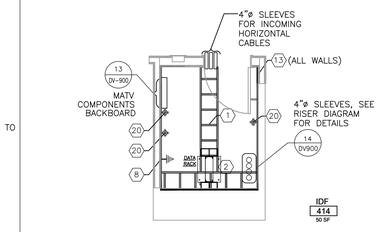
AV-106

ALL EQUIPMENT ROOMS ON EMERGENCY POWER CIRCUITS



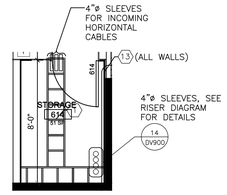
SPACE REQUIREMENTS :
HVAC – ESTIMATE HEAT LOAD – 24,000 BTU/H, FOR DATA, TELE., MATV AND AV EQUIPMENT ONLY, MAINTAIN 68°F, MAX. 50% RH. DEDICATED THERMOSTAT, STAND–ALONE SYSTEM.
– GROUNDING BUS BAR, CONNECTED TO TELECOM GROUNDING SYSTEM.

1	MDF/AV ROOM LAYOUT (LEVEL 01)
DV-900	SCALE : 1/4" = 1'-0"

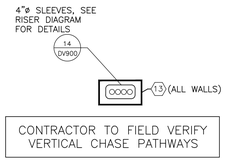


SPACE REQUIREMENTS :
HVAC – ESTIMATE HEAT LOAD – 4,000 BTU/H, FOR DATA, TELE., MATV AND AV EQUIPMENT ONLY, MAINTAIN 68°F, MAX. 50% RH. DEDICATED THERMOSTAT, STAND–ALONE SYSTEM.
– GROUNDING BUS BAR, CONNECTED TO TELECOM GROUNDING SYSTEM.

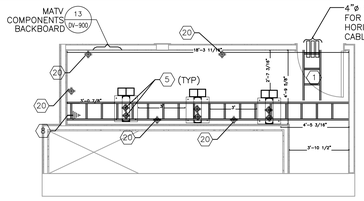
2	IDF (LEVELS 4, 7, & 10)
DV-900	SCALE : 1/4" = 1'-0"



3	CHASE (LEVELS 5,6,8, & 9)
DV-900	SCALE : 1/4" = 1'-0"

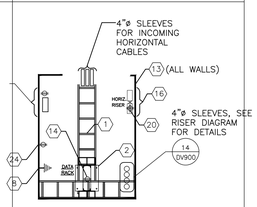


4	CHASE LAYOUT (LEVEL 2,3, & 12)
DV-900	SCALE : 1/4" = 1'-0"

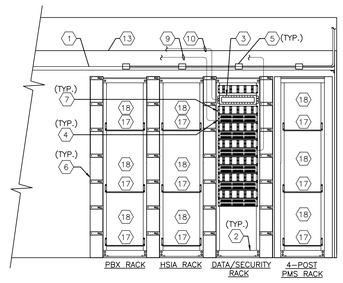


SPACE REQUIREMENTS :
HVAC – ESTIMATE HEAT LOAD – 8,000 BTU/H, FOR DATA, TELE., MATV AND AV EQUIPMENT ONLY, MAINTAIN 68°F, MAX. 50% RH. DEDICATED THERMOSTAT, STAND–ALONE SYSTEM.
– GROUNDING BUS BAR, CONNECTED TO TELECOM GROUNDING SYSTEM.

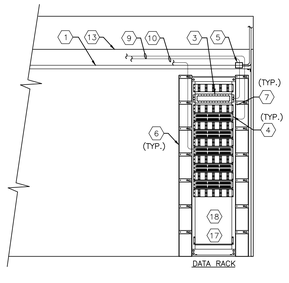
5	IDF LEVEL 11 [1108A]
DV-900	SCALE : 1/4" = 1'-0"



7	NOT USED
DV-900	SCALE : 1/4" = 1'-0"

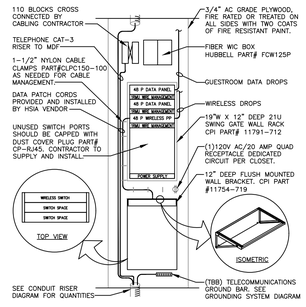


9	FRONT VIEW - RACK ELEVATION
DV-900	NOT TO SCALE

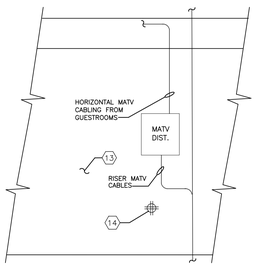


10	FRONT VIEW - RACK ELEVATION
DV-900	NOT TO SCALE

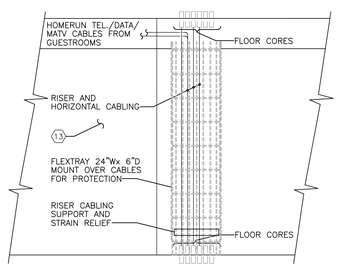
11	
DV-900	NOT TO SCALE



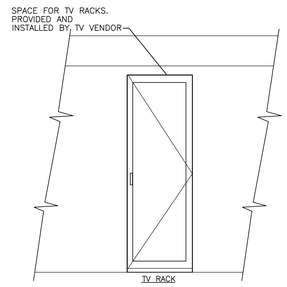
12	WALL MOUNT RACK ELEVATION (Option 2)
DV-900	NOT TO SCALE



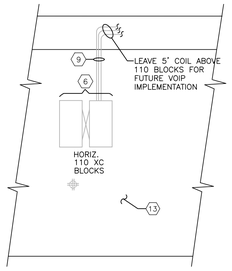
13	MATV BACKBOARD ELEVATION
DV-900	NOT TO SCALE



14	CHASE BACKBOARD ELEVATION
DV-900	NOT TO SCALE



15	TV RACKS ELEVATION
DV-900	NOT TO SCALE



16	110 BLOCKS ELEVATION
DV-900	NOT TO SCALE

17	NOT USED
DV-900	NOT TO SCALE

GENERAL NOTES

1.) ALL HORIZONTAL TO BACKBONE CROSS CONNECTING TO BE PERFORMED BY CABLING CONTRACTOR. REFER TO DETAILS FOR CROSS–CONNECTING REQUIREMENTS FOR TELEPHONE PATCHING SYSTEM PATCH PANELS.

2.) HEAT LOADS LISTED HEREIN REPRESENT KNOWN LOADS FOR DATA/TEL. SYSTEM EQUIPMENT IN RESPECTIVE ROOMS AT TIME OF DESIGN. MECHANICAL SYSTEMS DESIGNER SHOULD VERIFY HEAT LOADS WITH OTHER DESIGNERS FOR SHARED EQUIPMENT SPACES. MECHANICAL SYSTEMS ARE TO BE SIZED BY MECHANICAL ENGINEER AND SPECIFIED ON MECHANICAL

3.) HVAC SYSTEMS FOR EQUIPMENT ROOMS SHALL BE DEDICATED SYSTEMS. WHERE NOT FEASIBLE,

4.) ROOMS SHALL BE ON DEDICATED ZONE WITH INDEPENDENT THERMOSTAT CONTROL.

5.) ALL EQUIPMENT ROOMS SHALL HAVE:
- NO CEILING TILES.
- TILE OR SEALED CONCRETE FLOOR (NO CARPET).
- NO WATER LEAK POTENTIAL SPACES ABOVE (POOL, KITCHEN, BATHROOM, ETC.).
- HIGH–TEMP FIRE PROTECTION HEADS.

6.) RACK ELEVATIONS ARE SHOWN FOR REFERENCE ONLY. CABLING CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING APPROPRIATE NUMBER OF PANELS AS NECESSARY TO TERMINATE ALL HORIZONTAL AND BACKBONE CABLES WITHIN EACH TEL./ELEC.–IDF AND EQUIPMENT ROOM.

LAN CLOSET INSTALLATION NOTES

1.) THE LAN COMPUTER/TELEPHONE RM. SHALL HAVE APPROPRIATE NUMBER OF EQUIPMENT RACKS INSTALLED AS PER DRAWINGS. RACKS SHALL BE CPI #55053–503 OR EQUIVALENT. FLOOR RACKS MUST BE FASTENED TO CONC. FLOOR, AND FASTENED TO LADDER RACK WITH PROPER CPI HARDWARE. ALL RACKS & FRAMES SHALL BE INSTALLED ACCORDING TO ALL APPLICABLE LOCAL BUILDING CODES.

2.) PATCH PANELS SHALL BE 48–PORT HIGH–DENSITY, 2U AND SHALL BE INSTALLED IN EQUIPMENT RACKS AS SHOWN ON ELEVATIONS.CONTRACTOR SHALL INSTALL PANELS IN SUFFICIENT QUANTITY & PORT CONFIGURATION TO TERMINATE ALL INCOMING HORIZONTAL DATA CABLES AND TELEPHONE PATCH SYSTEM CABLES. ADMIN. OUTLET DATA CABLES TO BE TERMINATED ON DEDICATED PATCH PANELS.

3.) EQUIPMENT RACKS MUST BE SUPPORTED OVERHEAD WITH 18"(W) x 6"(D) CABLE TRAY FROM RACKS TO WALL ACCORDING TO PLANS CODES. DRAWING DETAILS. CABLE TRAY TO BE MP HUSKY OR EQUIVALENT. LADDER RACK MAY BE USED IN IDF ROOMS WITH CEILINGS LESS THAN 8'–0". MAINTAIN A MINIMUM OF 18" CLEARANCE FROM ANY OVERHEAD SPRINKLER SYSTEMS.

4.) VERTICAL WIRE MANAGEMENT SHALL BE CPI#11729–503, TO BE USED BETWEEN EACH RACK AND ON ENDS OF RACK(S).

5.) HORIZONTAL WIRE MANAGEMENT, 2 RACK UNITS (3.5"), TO BE USED BETWEEN EACH PATCH PANEL, ABOVE THE TOP PANEL & BELOW THE BOTTOM PANEL FOR EACH PANEL LINEUP.

6.) A 70" CPI POWER STRIP WITH A MINIMUM OF (10) OUTLETS SHALL BE FASTENED VERTICALLY TO THE REAR OF CPI RACKS TO PROVIDE POWER TO EQUIPMENT. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF POWER RECEPTACLES. COORDINATE INSTALLATION OF POWER SUPPLY CIRCUITS WITH ELECTRICAL CONTRACTOR. ONE CIRCUIT PER IS REQUIRED. ELECTRICAL CONTRACTOR TO STRAP CONDUIT TO UNDERSIDE OF LADDER RACK WITH PROPER INSTALLATION METHOD AND HARDWARE. POWER CABLES FROM EQUIPMENT RACK TO WALL OUTLETS WILL NOT BE PERMITTED.

7.) ALL IDF & MDF CROSS–CONNECT FIELDS SHALL BE OF THE 110 TYPE BLOCKS IN A SUFFICIENT QUANTITY TO FULLY TERMINATE ALL HORIZONTAL VOICE CABLES. VERTICAL CROSS–CONNECT CABLE MANAGEMENT TROUGHS MANUFACTURED BY THE SAME MANUFACTURER AS THE 110 BLOCKS MUST BE USED BETWEEN 110 BLOCKS AND VERTICAL BLOCK ARRAYS. D–RINGS WILL NOT BE PERMITTED FOR CABLE MANAGEMENT IN THE 110 BLOCK FIELD. REAR CABLE TROUGH TYPE ARRANGEMENT IS REQUIRED FOR THE 110 BLOCKS. REAR FEED AND CABLE DRESSING IN THE CABLE TROUGHS IS REQUIRED FOR ALL CABLE, BOTH WORKSTATION AND RISERS.

8.) ALL EQUIPMENT RACKS AND HARDWARE MUST BE GROUNDED PER TIA/EIA & NEC GUIDELINES. RACKS SHALL HAVE VERTICAL GROUND STRIPS.

KEYED NOTES

1. 18"(WIDE) LADDER RACK. MOUNT ABOVE EQUIPMENT RACKS. INSTALLED BY CABLING CONTRACTOR.
2. FLOOR MOUNTED EQUIPMENT RELAY RACK, 7'(H) x 19"(W) BLACK, (CPI #55059–703) OR APPROVED EQUIVALENT.
3. RACK MOUNT FIBER ENCLOSURE LOADED WITH 'LC' MULTIMODE BULKHEADS – SUPPLY AS NEEDED TO TERMINATE ALL INCOMING/OUTGOING FIBER CABLES.
4. 48 PORT CAT–6 DATA PATCH PANEL RACK MOUNTED SUPPLY AS NEEDED TO TERMINATE ALL INCOMING HORIZONTAL DATA CABLES AND DATA RISER CABLES. (CAT–3 RATED PANELS MAY BE USED FOR "TELEPHONE TRUNK PANELS").
5. 120V AC/120 TWIST LOCK OUTLET. ON DEDICATED EMERGENCY POWER & EQUIPMENT POWER CIRCUITS, SUPPLY ONE PER RACK, COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR.
6. VERTICAL CABLE MANAGER (CPI #11729–703) WITH COVER (CPI #12188–001) OR APPROVED EQUIVALENT.
7. 2 UNIT HORIZONTAL CABLE MANAGER, 3.5" HIGH RACK MOUNTED.
8. GROUND BUS BAR FOR COMMUNICATIONS EQUIPMENT GROUND.
9. INCOMING 4 PAIR, CAT–6, HORIZONTAL CABLES.
10. INCOMING FIBER CABLES, SEE CABLING RISER DIAGRAM FOR EXACT REQUIREMENTS.
11. TELEPHONE TRUNK PANEL SEE 12/DV9.05. SUPPLY AS NEEDED TO ACCOMMODATE ALL ANALOG CABLES.
12. 20A RATED 70" POWER STRIP (CPI #12851–758) WITH FACTORY INSTALLED 20A TWIST LOCK PLUG AND WITH 6.5" STAND OFF BRACKETS, SEE DETAIL 1/DV904.
13. 3/4" AC GRADE PLYWOOD, 8 FEET HIGH, FIRE RATED OR TREATED ON ALL SIDES WITH TWO COATS OF FIRE RESISTANT PAINT TYPICAL TO ALL WALLS.
14. 20 AMP 120VAC 5–20 R QUAD RECEPTACLE ON DEDICATED CIRCUIT.
15. 30 AMP (L6–30R). DUPLEX RECEPTACLE ON DEDICATED CIRCUIT. COORDINATE FINAL REQUIREMENTS WITH MATV SERVICE PROVIDER.
16. 300 OR 900 PAIR CAT–6 RATED 110 XC BLOCKS, MOUNTED IN CROSS–CONNECT DISTRIBUTION FRAMES WITH VERTICAL CABLE MANAGEMENT FRAMES BETWEEN, SUPPLY AS NEEDED.
17. DOUBLE SIDED SHELF, MIN. 21" DEEP, CENTER LOADED (CPI 40108–719).
18. RACKS AND/OR RACK SPACE TO BE LEFT OPEN TO BE POPULATED BY OTHERS.
19. AV CABINET, SEE AV DIAGRAMS FOR DETAILS.
20. 20 AMP 120VAC. DUPLEX RECEPTACLE ON DEDICATED CIRCUIT.
21. COORDINATE WITH AV DRAWINGS.
22. 4–POST PMS RACK. PMS SYSTEM FLOOR MOUNT CPI 15218–703.
23. WALL MOUNTED RACK
24. (1) 120VAC, 20 AMP DUPLEX CONVIENIENCE OUTLET AT 6' INTERVALS AROUND THE ROOM.

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NTI JOB NO. 19-7533

SEAL | DATE

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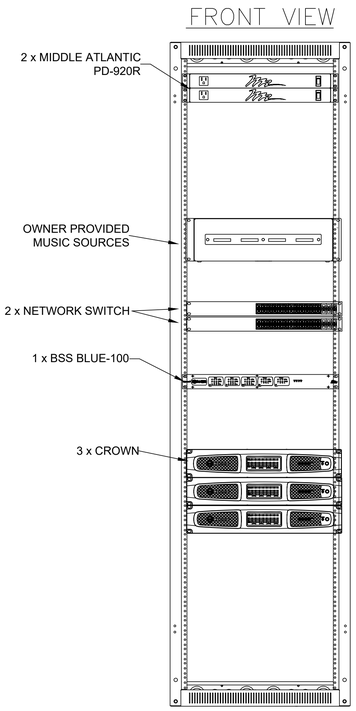
PROJECT NO.

SHEET TITLE
EQUIPMENT ROOM REFERENCE DV9.00 -AV SYSTEMS

SHEET NUMBER
AV-800

AV RACK GENERAL LAYOUT OF RACK LOCATED IN AV ROOM
Provide a minimum of 40 space rack with door. Wall Mount units are acceptable but require proper support for mounting. Coordinate with GC if this option is selected. Middle Atlantic or similar in quality.



PROVIDE PROPER COOLING, AND AIR CIRCULATION FOR EQUIPMENT IN RACK. TEMPERATURE SHALL NOT EXCEED 85 DEGREES F. PROVIDE CUSTOM SHELVES FOR ALL NONE RACK MOUNT EQUIPMENT INCLUDED IN THE RACK. PROVIDE RACK BLANKS AS NEEDED.
APPROX. HEAT LOAD 10,000 BTU.
PROVIDE APPROPRIATE POWER STRIPES & CONDITIONING AS NEEDED.

AV RACK EQUIPMENT:
The AV rack represents the equipment and quantities of all the equipment shown in the center section of the flow diagram below. Items such as patch cables, mounting equipment, cable organizers, and related rack equipment are expected to be included in the final package.

CABLING NOTES:

AUD1 = 2 Conductor 20AWG shielded audio cable
TPC1 = Cat6 Cable
SPK1 = 12AWG Speaker Wire

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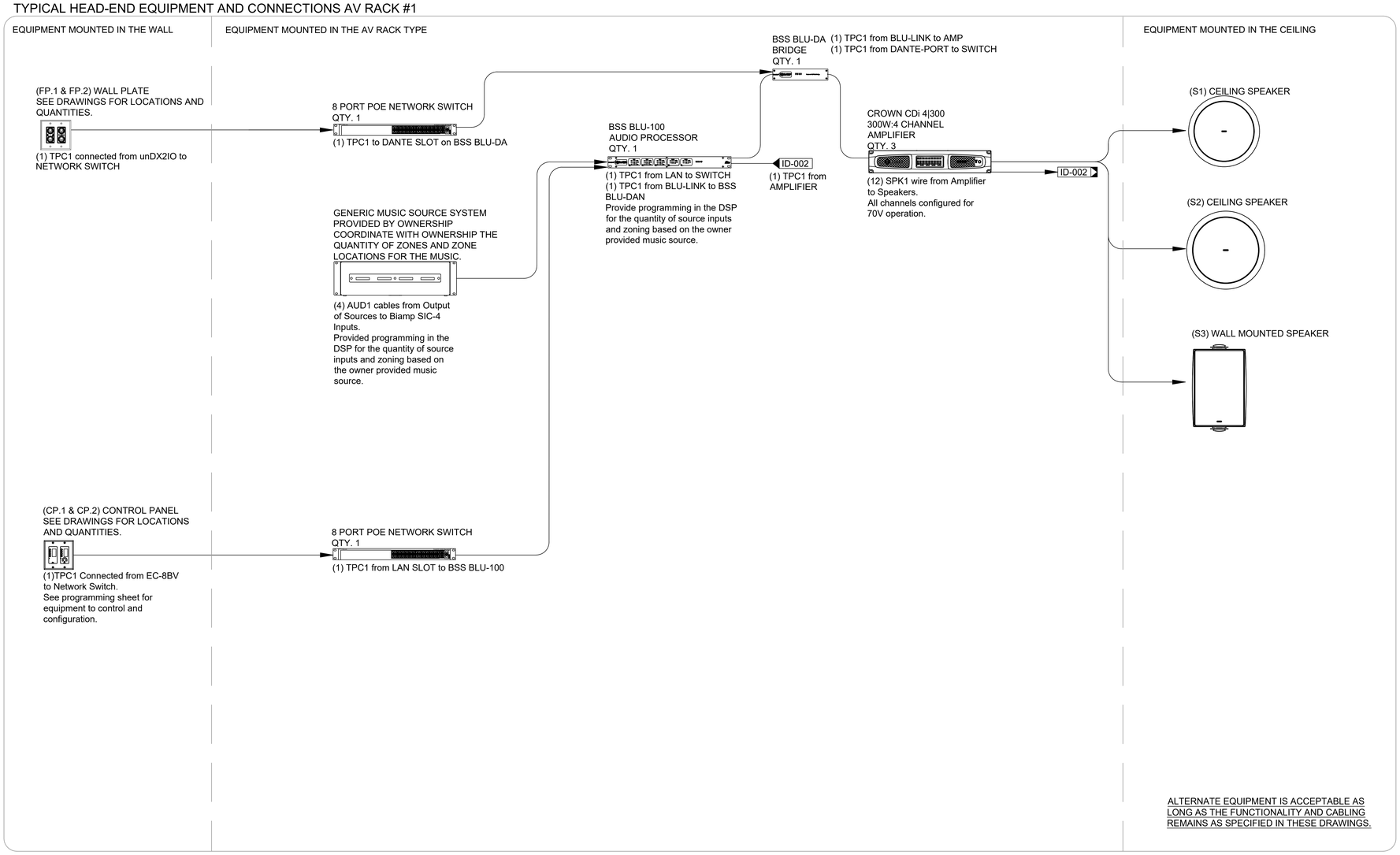
TYPICAL HEAD-END EQUIPMENT AND CONNECTIONS AV RACK #1



ALTERNATE EQUIPMENT IS ACCEPTABLE AS LONG AS THE FUNCTIONALITY AND CABLING REMAINS AS SPECIFIED IN THESE DRAWINGS.

EQUIPMENT CONNECTIVITY DRAWINGS ARE GENERAL CONCEPT. AV CONTRACTOR IS RESPONSIBLE FOR ACTUAL EQUIPMENT CONNECTIVITY AND EQUIPMENT QUANTITIES****

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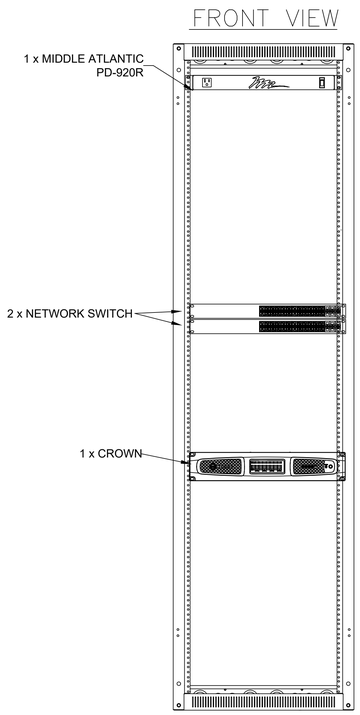
PROJECT NO.

SHEET TITLE
EQUIPMENT & CONNECTIVITY SHEET A
-AV SYSTEMS

SHEET NUMBER
AV-801

AV RACK GENERAL LAYOUT OF RACK LOCATED IN AV ROOM
Provide a minimum of 40 space rack with door. Wall Mount units are acceptable but require proper support for mounting. Coordinate with GC if this option is selected. Middle Atlantic or similar in quality.



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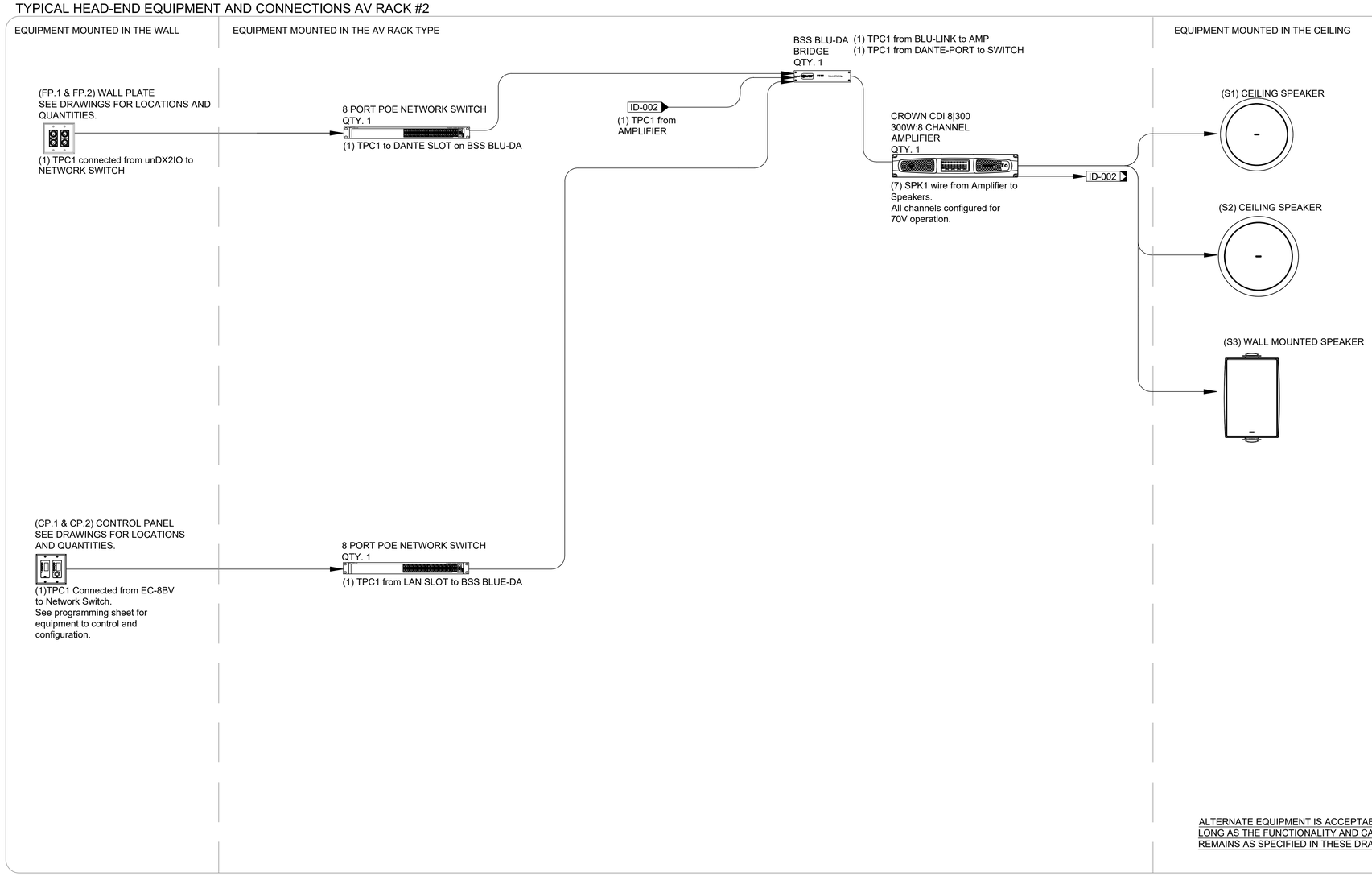
TYPICAL HEAD-END EQUIPMENT AND CONNECTIONS AV RACK #2



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NTI JOB NO. 19-7533

SEAL | DATE

SHEET ISSUE

1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	100% CD	02/28/2025

RATIO

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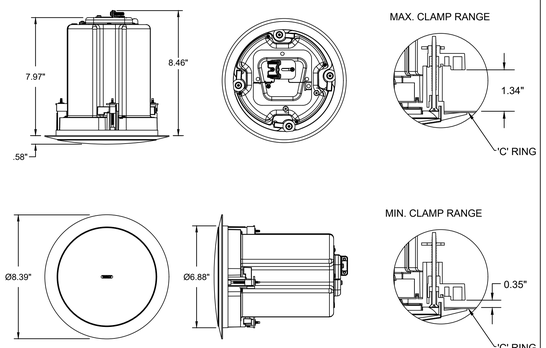
PROJECT NO.

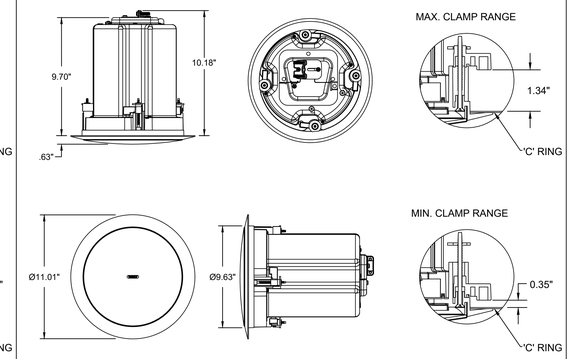
SHEET TITLE
EQUIPMENT & CONNECTIVITY SHEET B
-AV SYSTEMS

SHEET NUMBER
AV-802



TEMPLATE HOLE CUTOUT SIZE = Ø7.09"

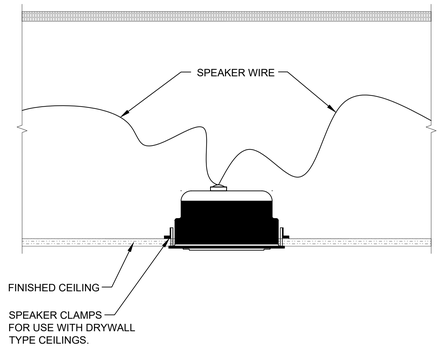
1 (S1) TANNOY CVS4 CEILING SPEAKER



TEMPLATE HOLE CUTOUT SIZE = Ø9.84"

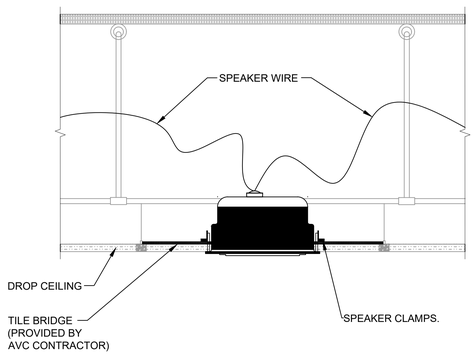
2 (S2) TANNOY CVS6 CEILING SPEAKER

FOLLOW THE MANUFACTURES MOUNTING REQUIREMENTS FOR MAIN MOUNT AND SAFETY CABLE (WHERE REQUIRED) FOR THE INSTALLATION OF THESE SPEAKERS.



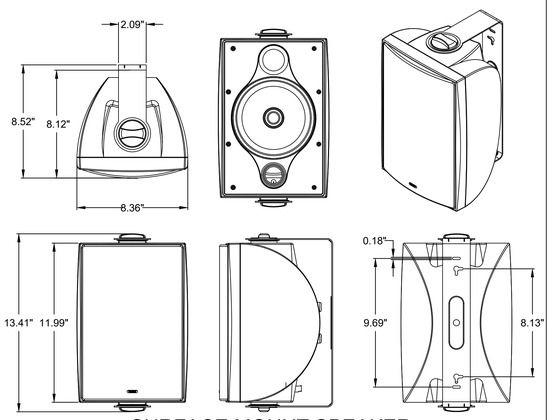
3 TYPICAL FINISHED CEILING MOUNT SPEAKER

FOLLOW THE MANUFACTURES MOUNTING REQUIREMENTS FOR MAIN MOUNT AND SAFETY CABLE (WHERE REQUIRED) FOR THE INSTALLATION OF THESE SPEAKERS.



4 TYPICAL DROP CEILING MOUNTED SPEAKER

FOLLOW THE MANUFACTURES MOUNTING REQUIREMENTS FOR THE INSTALLATION OF THESE SPEAKERS.



SURFACE MOUNT SPEAKER

5 (S3) TANNOY DVS-6t SPEAKER

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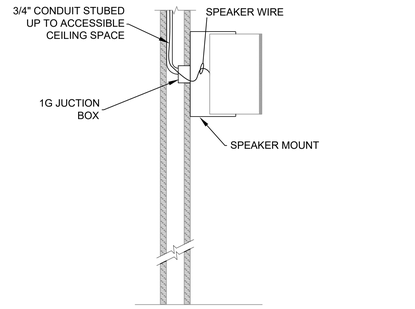
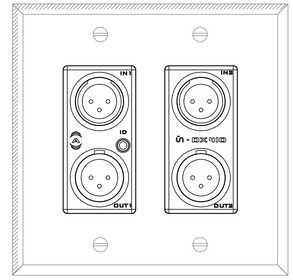
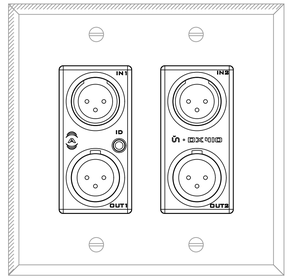


6 TYPICAL WALL MOUNTED SPEAKER DETAIL



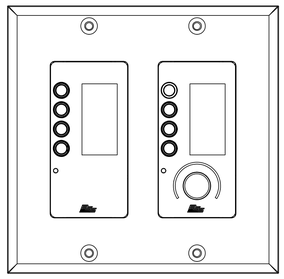
(1) ATTEROTECH UN-DX2IO

7 (FP.1) DIGITAL AUDIO FACE PLATE



(1) ATTEROTECH UN-DX2IO (WEATHER PROOF)

8 (FP.2) DIGITAL AUDIO FACE PLATE



9 (CP.1 & CP.2) BSS EC-8BV & PROGRAMMING

1. SOURCE SELECTION
2. VOLUME UP, DOWN, AND MUTE
3. COMBINE ZONES AS NECESSARY (SEE BELOW)

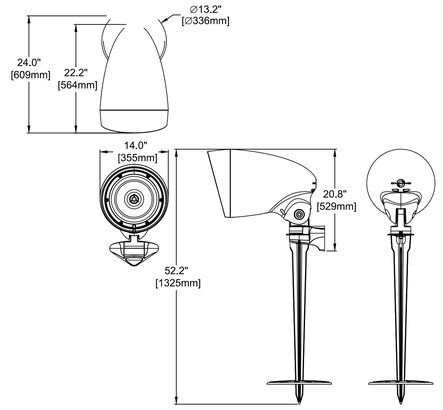
GENERAL NOTES:
Music zones from the music source equipment should be coordinated with the hotel's general manager. Music channels on the amplifier that cover a specific public area should be programmed to act as one zone.

10 (CP.1) PROGRAMMING

1. SOURCE SELECTION
2. VOLUME UP, DOWN, AND MUTE.
3. FACE PLATE SELECTION FOR AUDIO IN THE ROOM.
4. FACE PLATE SHOULD BE ABLE TO SELECT SEND AND/OR RECEIVE FOR THE AUDIO.
5. FACE PLATE SHOULD BE ABLE TO ENGAGE PHANTOM POWER AS NEEDED. THE DEFAULT PHANTOM POWER SETTING SHOULD BE OFF.
6. ROOM DIVIDE AND COMBINE WILL BE SELECTABLE FROM EACH CONTROL PANEL. WHEN COMBINED EACH CONTROL PANEL SHOULD BE A SLAVE TO THE OTHER COMBINED PANELS.

GENERAL NOTES:
Music zones from the music source equipment should be coordinated with the Hotel's General Manager. Music channels on the amplifier that cover a specific public area should be programmed to act as one zone.

11 (CP.2) PROGRAMMING



12 (S7) CRESTRON AIR-LS6T GROUND SPEAKER

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PROJECT NO.

SHEET TITLE
DETAIL SHEET
-AV SYSTEMS

SHEET NUMBER
AV-901

** SPECIAL SYSTEMS **

GENERAL INFRASTRUCTURE INSTALLATION NOTES

1. INSTALLATION OF CABLING SYSTEM, ALL EQUIPMENT RACKS & LADDER RACKS, GROUNDING, ETC. MUST FOLLOW INSTALLATION GUIDELINES IN THE MOST CURRENTLY PUBLISHED VERSION OF NEC, TIA/EIA 568C, NFPA AND ANY LOCAL, STATE OR MUNICIPAL CODES IN EFFECT AT TIME OF INSTALLATION. ALL CABLE BUNDLES MUST BE INSTALLED USING PROPER WIRE MANAGEMENT TECHNIQUES, USING A NEAT AND WORKMANLIKE FASHION. INSTALLER WILL INSTALL CABLE BUNDLES FOLLOWING ALL TIA/EIA & BICSI GUIDELINES AS TO WIRE TIES, CINCHING TIGHTNESS, BEND RADIUS, NEATNESS, WIRE MANAGEMENT, LABELING, ETC. ANY ASSOCIATED HARDWARE, MATERIALS OR COMPONENTS NEEDED TO PROPERLY INSTALL A COMPLETE AND FUNCTIONAL SYSTEM PER THESE GUIDELINES MUST BE INCLUDED IN THE INITIAL BID RESPONSE AND ARE THE RESPONSIBILITY OF THE CABLING CONTRACTOR.
2. FREE STANDING EQUIPMENT RACKS SHALL BE FASTENED TO CONCRETE FLOOR AND FASTENED TO OVERHEAD RACK WITH PROPER HARDWARE. RACKS SHALL BE SUPPLIED IN SUFFICIENT QUANTITY TO PROVIDE RACK SPACE FOR ALL PATCH PANELS, ASSOCIATED WIRE MANAGEMENT AND ANTICIPATED NETWORK HARDWARE.
3. VERTICAL WIRE MANAGEMENT SHALL BE SUPPLIED BETWEEN EACH RACK AND ON THE ENDS OF ALL RACK CONFIGURATIONS OR AS NOTED ON RACK ELEVATIONS.
4. TELECOM AND IDF ROOMS SHALL HAVE 18" WIDE x 6" DEEP LADDER RACK (CPI OR APPROVED EQUIVALENT) & FROM RACKS TO WALL IN APPROPRIATE ROOMS AS DEPICTED IN CLOSET LAYOUTS.
5. PATCH PANELS SHALL BE CATEGORY 6, RJ-45, RACK MOUNT STYLE PANELS TERMINATED TO 568B COLOR CODE. PATCH PANELS SHALL BE SUPPLIED IN AMPLE QUANTITY AND PORT CONFIGURATION TO TERMINATE ALL HORIZONTAL DATA AND COPPER DATA RISER CABLES. PROVIDE SEPARATE PATCH PANELS FOR EACH OF THE FOLLOWING OUTLET TYPES – PUBLIC/FUNCTION AREAS, ADMIN AREAS, WIRELESS HSIA, TV, DATA, PHONE AND POINT OF SALE AND COPPER DATA RISER CABLES. ALL PATCH PANELS SHALL BE LABELED ACCORDINGLY TO PROVIDE CLEAR AND CONCISE INFORMATION DETAILING THE OUTLET CIRCUITING FOR EACH PATCH PANEL PORT. 2 RU CABLE MANAGEMENT SHALL BE SUPPLIED ON THE TOP AND BOTTOM AND BETWEEN ALL PANELS.
6. PATCH CABLES AND WORKSTATION CABLES SHALL BE SUPPLIED BY OTHERS OR AS NOTED IN "ALTERNATIVE PRICING" BLOCK.
7. ALL HORIZONTAL COPPER CABLE SHALL BE 4 PAIR, UTP, CATEGORY 6. ALL HORIZONTAL CABLE SHALL BE PLENUM RATED. IF REQUIRED BY LOCAL CODES "LC" CABLE MUST BE USED IN LIEU OF PLENUM RATED CABLE. PLENUM RATED CABLE SHALL ALSO BE USED FOR VERTICAL CABLE RUNS ON GUESTROOM LEVELS. ALL RISER CABLES SHALL BE PLENUM RATED. CABLING CONTRACTOR IS RESPONSIBLE FOR VERIFYING WITH LOCAL CODE OFFICIALS THE ACCEPTANCE FOR USE OF ANY NON–PLENUM RATED CABLE.
8. ALL HORIZONTAL CABLING RUNS SHALL BE SUPPORTED IN THE OPEN SPACE AREAS USING AN INDEPENDENT SUPPORT SYSTEM (I.E. J–HOOKS MUST NOT BE HUNG FROM CEILING GRID SUPPORT OR ANY OTHER DISCIPLINES SUPPORT SYSTEM). LOCAL CODE MAY REQUIRE CONTRACTOR TO SUPPORT EXISTING CABLING INFRASTRUCTURE AND MUST MEET CURRENT LOCAL CODE. BRIDLE RINGS OR TYING TO STRUCTURE WILL NOT BE PERMITTED.
9. CABLING CONTRACTOR SHALL FURNISH ALL RACKS, OVERHEAD CABLE TRAY AND ALL ASSOCIATED HARDWARE NECESSARY TO BUILD OUT CABLING SYSTEM INFRASTRUCTURE IN ALL IDF LOCATIONS AND EQUIPMENT ROOMS AS DETAILED ON THE DRAWINGS.
10. ANALOG TELEPHONE RISER SHALL TERMINATE ON CAT–5E RATED 110 BLOCKS. TELEPHONE RISER CABLES SHALL BE 24 GAUGE, CATEGORY 3, UTP, CMP RATED, SUPPLIED IN THE APPROPRIATE PAIR COUNT TO PROVIDE 2 PAIRS PER HORIZONTAL VOICE CABLE PLUS 25% FOR FUTURE GROWTH FOR ADMIN. AREAS.
11. 110 BLOCKS SHALL BE INSTALLED IN A SUFFICIENT QUANTITY TO FULLY TERMINATE ALL HORIZONTAL VOICE CABLES AND PROVIDE 4 PAIRS FOR RISER CABLE TERMINATIONS. HORIZONTAL AND VERTICAL CROSS–CONNECT CABLE MANAGEMENT TROUGHS MANUFACTURED BY THE SAME MANUFACTURER AS THE 110 BLOCKS SHALL BE USED BETWEEN 110 BLOCKS AND VERTICAL BLOCK ARRAYS. D–RINGS WILL NOT BE PERMITTED FOR CABLE MANAGEMENT IN THE 110 BLOCK FIELD. REAR CABLE TROUGH–TYPE ARRANGEMENT IS REQUIRED FOR THE 110 BLOCKS. REAR FEED AND CABLE DRESSING IN THE CABLE TROUGHS IS REQUIRED FOR ALL CABLE, BOTH WORKSTATION AND RISERS. CABLING CONTRACTOR SHALL PROVIDE ALL VOICE CROSS–CONNECTING AT WALL FIELDS UNLESS OTHERWISE NOTED.
12. ALL HORIZONTAL CABLING RUNS SHALL BE HOMERUN TO THE APPROPRIATE IDF USING THE CEILING SPACES IN THE CORRIDORS AS THE PRIMARY CABLING PATHWAYS. UNLESS OTHERWISE NOTED, DATA CABLES SHALL TERMINATE ON DATA PATCH PANELS. TELEPHONE HORIZONTAL CABLES SHALL TERMINATE ON THE IDF 110 BLOCKS OR PATCH PANELS AS NOTED. CONTRACTOR IS RESPONSIBLE FOR FINAL ROUTING AND FIELD VERIFICATION OF DISTANCE OF STATION RUNS. CABLE LENGTHS SHALL NOT EXCEED TIA/EIA STANDARDS (90 METERS MAXIMUM).
13. ALL TELEPHONE AND DATA JACKS SHALL BE CATEGORY 6, 8 POSITION, RJ–45, TERMINATED TO T568B COLOR CODE. DATA JACKS SHALL BE BLACK. VOICE JACKS SHALL MATCH FACEPLATE COLOR. ALL P.O.S JACKS SHALL BE BLUE. ALL JACKS SHALL BE LABELED WITH APPROPRIATE ICON FOR VOICE, DATA OR P.O.S. CIRCUIT.
14. WALL OUTLET FACEPLATES SHALL BE 110 SERIES, SINGLE GANG, UP TO 6 POSITIONS PER SINGLE GANG PLATE. MODULAR FURNITURE FACEPLATES SHALL BE USED WHERE REQUIRED, IF APPLICABLE. BLANKS SHALL BE INSERTED IN OPEN POSITIONS ON FACEPLATE. FACEPLATES SHALL BE OF THE SAME MANUFACTURER AS THE JACKS AND PATCH PANELS. ALL WALL MOUNTED PHONE OUTLETS SHALL HAVE WALL MOUNT FACE PLATE. (REFER TO ID DRAWINGS FOR WALL MOUNT LOCATIONS).
15. FACEPLATE COLOR SHALL MATCH ELECTRICAL OUTLET FACEPLATE COLOR UNLESS OTHERWISE SPECIFIED ON I.D. DRAWINGS.
16. ALL SWITCHES AND OTHER ELECTRONIC EQUIPMENT TO BE SUPPLIED AND INSTALLED BY OTHERS UNLESS NOTED OTHERWISE.
17. TYPICALLY VOICE AND DATA OUTLETS SHALL BE AT STANDARD OUTLET HEIGHT, UNLESS OTHERWISE NOTED. ALL DATA AND TV OUTLETS REQUIRE ADJACENT ELECTRICAL OUTLETS. ALL WALL PHONES SHALL BE 48 INCHES A.F.F. UNLESS OTHERWISE NOTED.
18. OUTLETS ARE SHOWN ON THESE DRAWINGS FOR CABLING INFORMATION ONLY. IF A CONFLICT EXISTS REGARDING FINAL OUTLET PLACEMENT DEFER TO ID AND ELEC. DRAWINGS FOR FINAL OUTLET LOCATIONS.
19. ALL DATA SYSTEMS CABLE SHALL BE BLUE. ADMIN AND PUBLIC VOICE SYSTEMS CABLE SHALL BE WHITE. GUESTROOM VOICE CABLE SHALL BE GRAY. WIRELESS NODE CABLE SHALL BE YELLOW.

SCOPE

THE MAIN OBJECTIVE IS TO ENSURE SUPERIOR PERFORMANCE OF THE TELEPHONE/DATA COMMUNICATIONS AND MATV THROUGHOUT THE PROJECT SITE. THIS PROJECT INVOLVES THE INSTALLATION OF INFRASTRUCTURE FOR THE VOICE, DATA, MATV, AV AND SECURITY SYSTEMS. THE DESIGN OF THESE INFRASTRUCTURE SYSTEMS IS BASED UPON CURRENT INDUSTRY STANDARDS, SUPPORTING AN OPEN SYSTEM ARCHITECTURE.

VOICE AND DATA INFRASTRUCTURE OVERVIEW

FIBER OPTIC AND CAT–6 UTP INFRASTRUCTURE TO SUPPORT DATA, VOICE, AND INTERNET SERVICES THROUGHOUT THE FACILITY. OUTLETS WILL BE CONFIGURED PER FLOOR PLAN AND CORRESPONDING OUTLET CONFIGURATION DETAILS. ALL OUTLETS, PATCH PANELS AND CABLE LINKS ARE TO BE LABELED PER ANSI/TIA/EIA STANDARDS. INSTALLER SHALL DEVELOP AND SUBMIT FOR APPROVAL A LABELING SYSTEM FOR THE INFRASTRUCTURE INSTALLATION. OUTLETS WILL BE CONFIGURED PER FLOOR PLAN AND CORRESPONDING OUTLET CONFIGURATION DETAILS. ALL OUTLETS, PATCH PANELS AND CABLE LINKS ARE TO BE LABELED PER ANSI/TIA/EIA STANDARDS. INSTALLER SHALL DEVELOP AND SUBMIT FOR APPROVAL A LABELING SYSTEM FOR THE INFRASTRUCTURE INSTALLATION. SYSTEMS SHALL BE TESTED AND CERTIFIED AS DOCUMENTED HEREIN.

MATV INFRASTRUCTURE OVERVIEW

TELEVISION SERVICE TO FACILITY WILL BE DELIVERED VIA A COAXIAL DISTRIBUTION SYSTEM. THE SYSTEM SHALL CONSIST OF RG–6 AND RG–11 COAXIAL CABLING AND COMPONENTS. CABLING CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL CABLE, SPLITTERS/TAPS, AMPLIFIERS, ETC. TO PROVIDE A COMPLETE MATV DISTRIBUTION SYSTEM. LABELING OF ALL CABLE RUNS, HEADEND TERMINATIONS, OUTLET LOCATIONS AND JUNCTION BOX COVERS IS REQUIRED. THE LABELING SCHEME SHALL BE CLEAR, CONCISE AND REFLECTED ON AS–BUILT DRAWINGS.

SECURITY INFRASTRUCTURE OVERVIEW

SECURITY SYSTEM WILL CONSIST OF ALL OR SOME OF THE FOLLOWING:
CLOSED CIRCUIT CAMERAS, DIGITAL RECORDER(S), DURESS ALARMS, DOOR CONTACTS KEYPADS, ELECTRONIC LOCKS AND INTERCOM UNITS. ALL COMPONENTS SHALL BE PROVIDED AND INSTALLED IN APPROPRIATE LOCATIONS PER DRAWINGS. SECURITY CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL NECESSARY COMPONENTS, CABLE, HARDWARE, ETC. TO FURNISH COMPLETE SYSTEM. SECURITY CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING TRAINING TO OPERATOR PERSONNEL, AS REQUIRED, TO ENSURE THE APPROPRIATE PERSONNEL ARE FAMILIAR AND FLUENT IN OPERATING AND PROGRAMMING SYSTEMS. TRAINING SESSIONS SHALL BE COORDINATED WITH OWNER/OPERATOR PRIOR TO COMPLETION OF SYSTEM INSTALLATION.

CONTRACTOR PROJECT REQUIREMENTS

1. INSTALLATION SHALL COMPLY WITH APPLICABLE CODES INCLUDING BUT NOT LIMITED TO ANSI/TIA/EIA 568C (FOR STRUCTURED CABLING SYSTEM), NATIONAL ELECTRICAL CODE, NFPA GUIDELINES, AND ANY LOCAL CODES OR ORDINANCES IN EFFECT.
2. CABLING CONTRACTOR IS RESPONSIBLE FOR THEIR OWN CLEANUP.
3. CABLING CONTRACTOR IS RESPONSIBLE FOR SAFE KEEPING OF THEIR OWN MATERIAL. ANY LOSSES OF MATERIAL ARE THE RESPONSIBILITY OF THE VENDOR. THE OWNER, GENERAL CONTRACTOR, ETC. ARE NOT RESPONSIBLE FOR LOSSES.
4. PROJECT CABLING CONTRACTOR TO ATTEND REGULAR AND MANDATORY SAFETY MEETINGS FOR PROJECT MANAGER AND/OR TECHNICIANS.
5. CABLING CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT BEFORE DRILLING OR CORING FLOORS FOR CABLE ACCESS.
6. IT IS THE RESPONSIBILITY OF THE CABLING CONTRACTOR TO VERIFY FINAL OUTLET PLACEMENT PRIOR TO ANY CONDUIT ROUGH IN BOX INSTALLATION. VERIFICATION PROCESS SHALL INCLUDE REFERENCING I.D., MEP AND ARCHITECTURAL DRAWINGS AS WELL AS FIELD VERIFICATION.
7. RELATED DOCUMENTS, DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATIONS SECTIONS, APPLY TO THIS SECTION.
8. IT IS A RESPONSIBILITY OF THE CABLING CONTRACTOR TO IMMEDIATELY NOTIFY NETWORK TECHNOLOGIES, INC. (NTI) OF ANY CONFLICTS/DISCREPANCIES ON THE PROJECT DOCUMENTS. IN CASE OF SUCH CONFLICT, MOST STRINGENT REQUIREMENT APPLIES UNLESS OTHERWISE NOTED/DIRECTED BY NTI.
9. CABLING CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND CABLING IN THE PROPER SEQUENCE ACCORDING TO THE OVERALL CONSTRUCTION SCHEDULE.
10. ALL COSTS ASSOCIATED WITH PREPARATION OF A BID PROPOSAL WILL BE THE RESPONSIBILITY OF THE CABLING CONTRACTOR.
11. CABLING CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR SCOPE PROJECT.
12. PROVIDE PROOF OF CERTIFICATION OF TEAM MEMBERS, INCLUDE ANY RCDD MEMBERS ON STAFF OR INSTALLATION TEAM. VOICE/DATA CABLING CONTRACTOR MUST BE A CURRENTLY CERTIFIED CONTRACTOR FOR THE MANUFACTURER OF THE CABLING SYSTEM USED.

CABLE PULLING GUIDELINES

1. MAINTAIN MINIMUM BEND RADIUS OF:
   A. 4 TIMES THE CABLE O.D. FOR COPPER UNSHIELDED TWISTED PAIR CABLE.
   B. 10 TIMES THE CABLE O.D. OR 1.2" (WHICHEVER IS LARGER) FOR FIBER OPTIC CABLE.
2. MAXIMUM CABLE LENGTH BETWEEN TELECOMMUNICATIONS CLOSET AND OUTLET IS 90 METERS (295 FEET).
3. PULLING TENSION ON 4 PAIR, UNSHIELDED TWISTED PAIR CABLE CAN NOT EXCEED 25 POUNDS.
4. TO MINIMIZE TENSION IN SUSPENDED CABLE RUNS, LIMIT SPANS TO 5 FEET OR LESS BETWEEN SUPPORTS (I.E. J–HOOKS).
5. DO NOT OVER CINCH CABLE TIES ON CABLE BUNDLES. CABLE TIES SHOULD BE LOOSELY FITTED OVER CABLE(S) SO AS NOT TO CAUSE AN INDENTATION IN THE CABLE JACKETS.
6. PLENUM RATED CABLE TIES MUST BE USED IN ALL RETURN AIR PLENUM SPACES.
7. LEAVE A 20'–0" SERVICE LOOP AT EACH END OF FIBER RISER RUNS.
8. FIBER RISERS SHALL BE LABELED EVERY 50'–0" FOR CLEAR IDENTIFICATION IN PATHWAYS.
9. LEAVE A 10'–0" OF SLACK AT EACH END OF ALL TELEPHONE RISERS.
10. LEAVE 12" OF SLACK NEATLY COILED IN OUTLET BOX FOR EACH HORIZONTAL CABLE RUN.
11. TO AVOID SOURCES OF EMI ON UNSHIELDED CABLES, MAINTAIN THE FOLLOWING MINIMUM SEPARATION DISTANCES BETWEEN CABLING PATHWAYS AND POTENTIAL SOURCES:
   A. 4 FEET FROM MOTORS OR TRANSFORMERS.
   B. 1 FOOT FROM CONDUIT OR CABLES USED FOR ELECTRICAL POWER DISTRIBUTION.
   C. 5 INCHES FROM FLUORESCENT LIGHTING.

CABLING PATHWAYS SHOULD CROSS PERPENDICULAR TO FLUORESCENT LIGHTING AND ELECTRICAL POWER CABLES OR CONDUITS.

THESE GUIDELINES ARE NOT INTENDED TO SERVE AS A SUBSTITUTE FOR TIA/EIA 568C SERIES OF STANDARDS. CABLING CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING, UNDERSTANDING AND CONFORMING TO THE SPECIFICATIONS CONTAINED WITHIN ALL OF THE FOLLOWING STANDARDS:

* ANSI/TIA–568–C.0, GENERIC TELECOMMUNICATIONS CABLING FOR CUSTOMER PREMISES.
* ANSI/TIA/EIA 568–C.1, COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARDS.
* ANSI/TIA–568–C.2, BALANCED TWISTED–PAIR TELECOMMUNICATIONS CABLING AND COMPONENTS STANDARD.
* ANSI/TIA–568–C.3, OPTICAL FIBER CABLING COMPONENTS STANDARD.
* ANSI/TIA/EIA–569 – COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES.
* ANSI/TIA/EIA–606 – ADMINISTRATION STANDARD FOR THE TELECOMMUNICATIONS INFRASTRUCTURE OF COMMERCIAL BUILDINGS
* ANSI/TIA/EIA–607 – COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS.

JUNCTION BOX & CONDUIT NOTES

1. ALL OUTLET CONDUITS SHALL BE 3/4" UNLESS OTHERWISE NOTED.
2. ONE JUNCTION PULLBOX APPROX. EVERY 100' OF STRAIGHT CONDUIT RUNS. ALSO LOCATE ONE JUNCTION PULL BOX FOR EVERY TWO NINETY DEGREE BENDS OR SIMILAR ANGLES. ACCESS TO THE PULL BOX LOCATIONS SHOULD BE COORDINATED WITH THE DESIGN TEAM AND GENERAL CONTRACTOR.
3. THE JUNCTION BOX LOCATIONS ARE GIVEN FOR COORDINATION PURPOSES ONLY. THE PATHWAY OF THE RELATED CONDUIT WILL BE DETERMINED BY THE MEP FIRM AND FIELD CONDITIONS.
4. EACH JUNCTION BOX SHALL HAVE A PULL STRING PROVIDED FOR FUTURE CABLE INSTALLATIONS. ALL CABLE INSTALLATIONS SHALL INCLUDE A REPLACEMENT PULL STRING. ALL CONDUIT RUNS SHALL BE LABELED ON BOTH ENDS.
5. ALL CONDUITS SHALL BE STUBBED TO ACCESSIBLE CEILING AREA CONTIGUOUS TO CABLE DESTINATION ROOM TO PROVIDE FULLY ACCESSIBLE CABLE PATHWAY.
6. ALL CONDUITS SHALL BE CLEARLY MARKED ON EACH END WITH TAPE, LABEL, OR PAINT AS TO DESIGNATE IF SPECIFICALLY FOR DATA/VOICE OR TV OR SECURITY USE ONLY.
7. G.C. SHALL PROVIDE SERVICE PROVIDER CONDUITS. COORDINATE EXACT LOCATION OF SERVICE ENTRANCE CONDUITS WITH SERVICE PROVIDER, ELEC., CIVIL. ALL CONDUITS SHALL BE INSTALLED WITH PULL STRINGS, LABELED WITH DESTINATION AND CAPPED AND SEALED ON BOTH ENDS.

ELECTRICAL AND MECHANICAL NOTES

1. ANY ELECTRICAL POWER DEVICE LOCATIONS INDICATED HEREIN ARE INTENDED FOR INCORPORATION INTO THE PROJECT ELECTRICAL DRAWINGS AS PART OF THE ELECTRICAL DESIGN.
2. ESTIMATED HEAT LOADS ARE SHOWN FOR REFERENCE ONLY. AND ARE INTENDED FOR THE INCORPORATION INTO THE PROJECT MECHANICAL DRAWINGS AS PART OF THE MECHANICAL DESIGN BY THE MECHANICAL ENGINEER INTO THEIR STAMPED DRAWINGS.
3. ALL MDF, IDF AND AV ROOMS TO MAINTAIN 70°F (MAX.) AND 50% RH.

FIBER INFRASTRUCTURE INSTALLATION NOTES

1. HORIZONTAL FIBER CABLE, IF APPLICABLE, SHALL BE (2–STRAND) FIBER 50/125 MICRON MULTI–MODE.
2. THE OPTICAL FIBER CABLE CONSTRUCTION SHALL CONSIST OF 50/125 MM OR SINGLEMODE OPTICAL FIBERS, OR A COMBINATION OF THESE MEDIA. INDIVIDUAL FIBERS AND GROUPS OF FIBERS SHALL BE IDENTIFIABLE IN ACCORDANCE WITH ANSI/TIA/EIA–598–A.
3. FIBER ENCLOSURES SHALL BE SUPPLIED IN APPROPRIATE PORT CONFIGURATION AS REQUIRED FOR HORIZONTAL AND RISER FIBER CABLES. ALL FIBER ENCLOSURES AND TERMINATIONS SHALL BE CLEARLY LABELED INDICATING THE FLOOR, CLOSET DESIGNATION AND PORT NUMBER SERVED.
4. ALL FIBER SHALL BE TERMINATED WITH "SC" STYLE CONNECTORS UNLESS NOTED OTHERWISE.
5. OUTSIDE PLANT OPTICAL FIBER CABLES SHALL BE OF A WATER–BLOCK CONSTRUCTION AND MEET THE REQUIREMENTS FOR COMPOUND FLOW AND WATER PENETRATION AS ESTABLISHED BY ANSI/ICEA S–87–640. OUTDOOR CABLE SHALL HAVE A MINIMUM PULL STRENGTH OF 2670 N (600 LBF).
6. THE MULTIMODE CONNECTOR OR A VISIBLE PORTION OF IT SHALL BE AQUA IN COLOR. THE SINGLEMODE CONNECTOR OR A VISIBLE PORTION OF IT SHALL BE YELLOW IN COLOR.
7. THE OPTICAL FIBER PATCH CORD SHALL BE A TWO–FIBER CABLE, OF THE SAME FIBER TYPE AS THE OPTICAL FIBER CABLING PLANT IT IS INTENDED TO PATCH.

GROUNDING & BONDING

1. THE PRIMARY PURPOSE OF THE GROUNDING AND BONDING SYSTEM IS TO CREATE A ROBUST PATH FOR EQUALIZATION OF VOLTAGES AND FOR RESULTANT SURGE CURRENTS TO RETURN TO THEIR SOURCE. LIGHTNING, POWER–SYSTEM FAULT CURRENTS, CIRCUIT SWITCHING (MOTORS ON AND OFF), ACTIVATION OF SURGE–PROTECTION DEVICES, AND ELECTROSTATIC DISCHARGE (ESD) ARE COMMON CAUSES OF TRANSIENT VOLTAGES AND ELECTRICAL SURGES.
2. ALL RACKS AND CABINETS SHALL BE PROPERLY GROUNDED PER NEC AND TIA/EIA STANDARDS.
3. TGB 2"x12" BUSBAR CPI PART #13622–012 SHALL BE INSTALLED IN IDF.
4. TMGB 4"X12" BUSBAR CPI PART #40153–012 SHALL BE INSTALLED IN MDF.
5. INSTALL GROUND BUSBAR A MINIMUM OF 18"AFF WITH 6" CLEAR ON ALL SIDES.
6. MINIMUM OF A #6/0 AWG GREEN GROUNDING CONDUCTOR TO EACH EQUIPMENT RACK(S) AND TO BONDED LADDER RACK(S).
7. REFER TO GROUNDING DETAILS FOR ADDITIONAL INFORMATION.

AS–BUILT DOCUMENTATION

1. ALL AS–BUILT DRAWINGS SHALL INCLUDE OUTLET LABELS, CABLE PATHWAYS, TERMINATION SCHEDULES FOR ALL PATCH PANELS, VOICE BLOCKS, TERMINAL BLOCKS AND ANY OTHER APPROPRIATE CABLE TERMINATION AND ANY OTHER APPROPRIATE CABLE TERMINATION SHALL ALSO BE PROVIDED.
2. SUBMIT AS–BUILT DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FINALIZING. SUBMIT FINAL AS–BUILTS IN BOTH HARD AND SOFT COPY (xx.PDF AND xx.DWG).
3. ONE SET OF PLASTIC LAMINATED AS–BUILTS ARE REQUIRED FOR MOUNTING IN MDF AND EACH IDF LOCATIONS. EACH IDF LAMINATED AS–BUILT SHALL SHOW ALL IDF FEED OUTLETS AND RISER CABLES FROM A GIVEN LOCATION.

DATA/VOICE/FIBER TESTING

1. ALL DATA AND FULLY TERMINATED VOICE HORIZONTAL RUNS SHALL BE TESTED PER THE LATEST REVISION OF TIA/EIA 568C FOR COMPLIANCE TO GIGABIT ETHERNET USING A PENTA–SCANNER PLUS LANTEK 6G OR 7G [FLUKE DIGITAL DSP–4000, DTX–1200 OR 4000. TESTERS MUST BE LEVEL III RATED (MINIMUM)]. ALL TESTING MUST BE REVIEWED BY CUSTOMER REPRESENTATIVE PRIOR TO ACCEPTANCE OF CABLING SYSTEM. TEST WILL BE CONDUCTED PER THE MOST RECENTLY AVAILABLE VERSION OF SOFTWARE AND HARDWARE. TEST RESULTS MUST BE SUBMITTED IN DISK FORMAT. A PRINTED VERSION IN BRIEF FORMAT MAY BE REQUIRED.
2. ALL CROSS CONNECTED TELEPHONE DROPS TO BE TESTED FOR CONTINUITY, CROSSED PAIRS AND SHORTS FROM JACK TO RISER BLOCKS AT MDF IN LOW VOLTAGE ROOM.
3. ALL MULTI–MODE FIBER OPTIC TESTS SHALL BE PERFORMED AT THE 850mm AND 1300mm WINDOWS IN BOTH DIRECTIONS.
4. ALL CONNECTORS SHALL BE TESTED AND THE LOSS MEASURED IN DB CONNECTORS MUST HAVE A LOSS OF 0.5 DB OR LESS PER MATED PAIR TO BE ACCEPTED.
5. ALL FIBER OPTIC LINKS SHALL BE TESTED AND LOSS MEASURED IN DB/KM.
6. A HARD COPY OF ALL TEST RESULTS INCLUDING LINK LENGTHS SHALL BE PROVIDED BY THE CABLING CONTRACTOR TO THE OWNER. ALL EVENTS ON THE LINK, INCLUDING RETURN LOSS, SHALL BE MEASURED AND COMPLY WITH TIA/EIA 568B REQUIREMENTS.

MATV INSTALLATION NOTES

1. REFER TO MATV SYSTEM SPECIFICATIONS AND MATV SYSTEM COMPONENTS SPECIFICATION LIST ON THIS SHEET. CONTRACTOR MAY USE SPECIFIED COMPONENTS OR NTI'S APPROVED EQUIVALENT. IN EITHER CASE THE CABLING CONTRACTOR IS RESPONSIBLE FOR THE SIGNAL QUALITIES INDICATED AT MATV SYSTEM SPECIFICATIONS.
2. TV OUTLET LOCATIONS FOR THE GUESTROOMS TO BE HOMERUN IN ACCORDANCE WITH CABLING RISER DIAGRAM. TV OUTLET LOCATIONS IN PUBLIC AND ADMIN. AREAS TO BE HOMERUN TO THE NEAREST TR/IDF LOCATION.
3. CABLING CONTRACTOR TO LEAVE A MINIMUM OF 3'–0" OF SLACK PRIOR TO TERMINATION ON ALL HORIZONTAL CABLE PULLS, AT OUTLET END. OUTLET CONNECTOR TO BE TERMINATED INTO SINGLE PORT FACEPLATE WITH BULKHEAD. IN PUBLIC AREAS – TERMINATE WITH F–CONNECTOR INSERT.
4. MATV IDF LOCATIONS TO BE INTERCONNECTED WITH MATV MDF VIA TWO RG–11 (UP TO 300'–0" OR HARDLINE COAX OVER 300') PLENUM RATED BACKBONE CABLES. CONTRACTOR TO LEAVE A MINIMUM OF A SIX FOOT SERVICE LOOP PRIOR TO TERMINATION ON BOTH ENDS.
5. CABLING CONTRACTOR IS RESPONSIBLE FOR LABELING ALL MATV SYSTEM COAX CABLE RUNS AS FOLLOWS:
   A). ALL LABELING INFORMATION SHALL BE RECORDED ON AS–BUILT DRAWINGS UPON PROJECT COMPLETION.
   B). THE LABELING SYSTEM SHALL DESIGNATE THE CABLES ORIGIN AND DESTINATION ON EACH END OF THE RUN.
6. PROVIDE 2–1/2" DIAMETER SLEEVE FOR ALL FLOOR AND ROOF SLAB PENETRATIONS (WHERE APPLICABLE).
7. NO CORING OR FLOOR DRILLING IS ALLOWED PRIOR TO COORDINATION AND APPROVAL FROM GENERAL CONTRACTOR.

APPROVED MANUFACTURERS

1. VOICE/DATA CABLING VENDOR CHOSEN MUST USE THE MANUFACTURERS SPECIFIED COMPONENTS THROUGHOUT FOR CONSISTENCY. VENDOR SHALL SUBMIT CATALOG SPECS (CUT SHEETS) FOR ALL MAJOR COMPONENTS. IF IT IS DESIRED TO SUBSTITUTE A MAJOR COMPONENT, PLEASE SUBMIT A SPEC SHEET WITH A REASON FOR SUBSTITUTION FOR REVIEW. HOWEVER, FOR RESPONSE TO THIS RFP SUBMIT BIDS USING ONLY SPECIFIED MANUFACTURERS. BID RESPONSES USING SUBSTITUTED COMPONENTS MUST BE SUBMITTED UNDER SEPARATE COVER AS AN ALTERNATE BID. VENDOR MUST INSTALL A SYSTEM THAT CAN BE WARRANTED FROM A SINGLE MANUFACTURER.
2. ALTERNATE CABLING MANUFACTURERS MAY NOT BE USED. ALTERNATE PRODUCTS MUST BE EQUIVALENT OR BETTER WITH REGARD TO PERFORMANCE, FORM, FIT AND FUNCTION. BIDDERS MUST SUBMIT CUT SHEET TO NTI FOR REVIEW/APPROVAL FOR ALL PROPOSED PRODUCTS.

PERMIT, CERTIFICATION AND SUBMITTAL

1. CABLING CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND REVIEWING ALL PERTINENT DISCIPLINES DRAWINGS AS ARE NECESSARY TO BID AND COMPLETE INSTALLATION OF CABLING SYSTEM. DRAWING SETS WHICH ARE NECESSARY TO ASCERTAIN COMPLETE PROJECT SCOPE INCLUDE, BUT IS NOT LIMITED TO, ARCHITECTURAL, ELECTRICAL AND INTERIOR DESIGNER SETS.

FIRESTOPPING

1. PROVIDE FIRESTOP SYSTEMS CONSISTING OF A MATERIAL, OR COMBINATION OF MATERIALS INSTALLED TO RETAIN THE INTEGRITY OF FIRE RESISTANCE RATED CONSTRUCTION BY MAINTAINING AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FLAME, SMOKE AND/OR HOT GASES THROUGH PENETRATIONS AND PERIMETER OPENINGS IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE FOR THIS PROJECT.
2. ALL FLOOR AND WALL OPENINGS SHALL BE FIRE SEALED ACCORDING TO LOCAL CODES AND ORDINANCES BY THE CABLING CONTRACTOR. ALL WALL OPENINGS MUST BE SLEEVED AND FIRE STOPPED.
3. GUESTROOM LEVEL CABLES SHALL BE ROUTED TO THE APPROPRIATE IDF PER RISER CABLING DIAGRAM. CABLING CONTRACTOR IS RESPONSIBLE FOR FIRE STOPPING ALL PENETRATIONS THROUGH FIRE RATED DEMISING WALLS.

LABELING GUIDELINES

1. LABELING SCHEME SHALL FOLLOW EIA/TIA 606A/568C GUIDELINES AND SHALL BE COORDINATED WITH THE CUSTOMER. LABELS MUST BE PRINTED USING A PRE–APPROVED FORMAT. NO HAND WRITTEN LABELS WILL BE ALLOWED. THE LABELS AT THE PATCH PANEL MUST BE OF THE SAME TYPE NUMBERING SCHEME AS THE WORKSTATION OUTLET.

MATV SYSTEM SPECIFICATIONS

1. THE MATV DISTRIBUTION SYSTEM SHALL CONSIST OF ALL EQUIPMENT, COMPONENTS AND CABLING NECESSARY TO DISTRIBUTE NTSC RF TELEVISION SIGNALS. THIS SCOPE INCLUDES, BUT IS NOT LIMITED TO:
   - COAXIAL CABLE.
   - DISTRIBUTION AMPLIFIERS.
   - DISTRIBUTION PASSIVES (SPLITTERS, DIRECTIONAL COUPLERS, FILTERS).
   - CABLE CONNECTORS, WALL PLATES AND ADAPTERS .
2. DISTRIBUTION SHALL BE ACCOMPLISHED USING EITHER HOMERUN OR TRUNK AND TAP METHOD AS AS THE ACTUAL INSTALLED CABLE LENGTHS CAN AFFECT THE REQUIRED TAP VALVES AND AMPLIFICATION LEVELS – THE DESIGN OF THE AMPS/TAPS MUST BE ACCOMPLISHED BY THE CABLING CONTRACTOR IN THE FIELD. ALL AMPS AND TAPS MUST BE MOUNTED IN ACCESSIBLE AREAS FOR FUTURE SERVICEABILITY.
3. THE CABLING CONTRACTOR SHALL PROVIDE SUBMITTALS TO OWNER, OWNER'S REPRESENTATIVE AND OWNER'S MATV VENDOR(S) FOR APPROVAL PRIOR TO INSTALLATION. SUBMITTALS SHALL COMPLETELY DESCRIBE THE MATV DISTRIBUTION SYSTEM AND SHALL INCLUDE SCHEMATIC DIAGRAMS, COMPONENT AND CABLE CUTSHEETS, TAP VALUES AND OTHER PERTINENT COMPONENT SETTINGS.
4. THE MATV DISTRIBUTION SYSTEM SHALL PROVIDE CLEAR RECEPTION OF TELEVISION SIGNALS TO ALL DESIGNATED RECEIVING LOCATIONS WITHIN THE FACILITY

** SYMBOLS AND LEGEND SHEET **

***PANDUIT CABLING REQUIRED BY HOTEL BRAND STANDARD

COPPER COMPONENTS SPECIFICATIONS LIST

DESCRIPTION	MANUFACTURER	PART NUMBER	COMMENTS
CATEGORY 6A, 4 PAIR, UTP, CMP, GRAY JACKET	PANDUIT	PUP6XHD04IG-G	PLENUM RATED
CATEGORY 6A, 4 PAIR, UTP, CMP, WHITE JACKET	PANDUIT	PUP6XHD04WH-G	PLENUM RATED
CATEGORY 6A, 4 PAIR, UTP, CMP, BLUE JACKET	PANDUIT	PUP6XHD04BU-G	PLENUM RATED
CATEGORY 6A, 4 PAIR, UTP, CMP, BLACK JACKET	PANDUIT	PUP6XHD04BL-G	PLENUM RATED
CATEGORY 3, 25 PAIR, UTP, CMP	PANDUIT	PUL30A25WH-V	RISER/PLENUM RATED
CATEGORY 3, 50 PAIR, UTP, CMP	PANDUIT	PUL30A50WH-V	
CATEGORY 3, 100 PAIR, UTP, CMP	PANDUIT	PUL30A100WH-V	
CATEGORY 6, 4 PAIR, UTP, CMP	PANDUIT	PUP6C04BL-WZ	OUTDOOR RATED CABLE MUST BE PLENUM RATED
RJ-45, CAT 6A, 8 POSITION, T568B, DATA JACK INSERT	PANDUIT	CJ6X88TI**	* DENOTES COLOR
FACEPLATE, SINGLE GANG	PANDUIT	NK*FE*	# DENOTES NUMBER OF PORTS, * DENOTED COLOR
BLANK INSERTS	PANDUIT	CHB2M*X	* DENOTES COLOR
WALL PHONE STYLE - FACEPLATE WITH JACK	PANDUIT	KWPK6	USED FOR ALL WALL PHONES (HOUSE AND PUBLIC) AT 48"AFF OR AS NOTED
WEATHERPROOF ENCLOSURE FOR OUTDOOR MOUNTED PHONES	GAI-TRONICS	MODEL 255	
12 PORT CATEGORY 6A, PATCH PANEL, 568B	PANDUIT	NK6XPPG24Y	
24 PORT CATEGORY 6A, PATCH PANEL, 568B	PANDUIT	NK6XPPG24Y	
48 PORT CATEGORY 6A, PATCH PANEL, 568B	PANDUIT	NK6XPPG12Y	
300 PAIR 110 WALL MOUNT KITS WITH FRAME	PANDUIT	P110BW100-X	ONLY USED IN MDF
110 WALL MOUNT CABLE MANAGEMENT FRAME	PANDUIT	P110VCM300	ONLY USED IN MDF
100 PAIR 110 XC BLOCKS WITH MOUNTING LEGS	PANDUIT	P11KB1004Y	ONLY USED IN MDF
300 PAIR 110 XC BLOCKS WITH MOUNTING LEGS??	PANDUIT	P11B2005R2Y??	ONLY USED IN MDF
110 BLOCK CABLE MANAGEMENT TROUGHS	PANDUIT	P110JTW-X	ONLY USED IN MDF
100 PAIR 110 BLOCKS-RACK MOUNT KIT	PANDUIT	P110B1005R2Y	ONLY USED IN MDF
200 PAIR 110 BLOCKS-RACK MOUNT KIT	PANDUIT	P110B2005R2Y	ONLY USED IN MDF

FIBER OPTIC COMPONENTS SPECIFICATIONS LIST

DESCRIPTION	MANUFACTURER	PART NUMBER	COMMENTS
6 STRAND 50/125 MM OM4 FIBER, ARMORED	PANDUIT	FOPPZ06Y	
12 STRAND 50/125 MM OM4 FIBER, ARMORED	PANDUIT	FOPPZ12Y	
6 STRAND SINGLE-MODE OS2 FIBER ARMORED	PANDUIT	FPP906Y	
12 STRAND SINGLE-MODE FIBER ARMORED	PANDUIT	FPP912Y	
12 STRAND MULTIMODE-MODE FIBER ADAPTOR PANEL	PANDUIT	FAP6WAQDLCZ	
12 STRAND SINGLE-MODE FIBER ADAPTOR PANEL	PANDUIT	FAP6WBUDLCZ	
LC FIBER PIGTAIL BUNDLE WITH INSERT FOR OM4 12 STRAND	PANDUIT	FCSZO-12-10P	CASSETTE 3 METER PIGTAIL FUSION SPLICE
AP SC FIBER PIGTAIL BUNDLE WITH INSERT FOR OS2 12 STRAND	PANDUIT	FCS9N-12-SAP	CASSETTE 3 METER PIGTAIL FUSION SPLICE
FACEPLATE, SINGLE GANG	PANDUIT	NKFE	# DENOTES NUMBER OF PORTS, * DENOTED COLOR
BLANK INSERTS	PANDUIT	CHB2M*X	* DENOTES COLOR
WIC BOX WALL MOUNT CABINET, DOUBLE DOOR W/LOCK	PANDUIT	FWME4	
1 RU RACK MOUNT FIBER ENCLOSURE	PANDUIT	FRME2U	HOLDS 4 CASSETTES
2 RU RACK MOUNT FIBER ENCLOSURE	PANDUIT	FLEXU06	HOLDS 8 CASSETTES
4 RU RACK MOUNT FIBER ENCLOSURE	PANDUIT	FRME4	MAX 288 FIBERS
MM FIBER ADAPTER PANEL - 6-STRAND LC PANEL	PANDUIT	FSP3WAQDLCZ	FOR MULTI-MODE FIBER
MM FIBER ADAPTER PANEL - 12-STRAND LC PANEL	PANDUIT	FSP6WAQDLCZ	FOR MULTI-MODE FIBER
SM FIBER ADAPTER PANEL - 6-STRAND SC PANEL	PANDUIT	FAP3WBUDSCZ	FOR SINGLE-MODE FIBER
SM FIBER ADAPTER PANEL - 12-STRAND AP SC PANEL	PANDUIT	FAP6WBUDSCZ	FOR SINGLE-MODE FIBER
VELCRO TIE WRAPS		HPWCVF(XX)8	

ALL FIBER OPTIC CABLING TO BE FUSION SPLICED

EQUIPMENT ROOM COMPONENTS SPECIFICATIONS LIST

DESCRIPTION	MANUFACTURER	PART NUMBER	COMMENTS
RACK MOUNT DOUBLE SIDED HORIZONTAL CABLE MANAGER 1RMU	CPI	30529-719	
RACK MOUNT DOUBLE SIDED HORIZONTAL CABLE MANAGER 2RMU	CPI	30530-719	
VERTICAL CABLE MANAGER FOR FLOOR RACK	CPI	30095-703	
VERTICAL POWER OUTLET STRIP (INLET PLUG NEMA 5L-20P)	CPI	12581-708	(1) PER 7' FLOOR RACK
VELCRO TIE WRAPS	HUBBELL	HPWCVF(XX)8	
HUB SHELF OR BACKBOARD MOUNTED SHELF	CPI	40074-700	
STANDARD FLOOR MOUNTED EQUIPMENT RACK - 45RMU	CPI	55053-703	
CPU/MONITOR SHELF WITH KEYBOARD & MOUSE TRAY	CPI	12487-723	
STANDARD 4-PORT RACK - 7'Hx19"Wx29"D - 45RMU	CPI	50120-703	
WALL MOUNTED EQUIPMENT CABINET - 48'Hx19"Wx30"D - 26RMU	CPI	40074-700	
WALL MOUNTED EQUIPMENT CABINET - 36'Hx19"Wx30"D - 18RMU	CPI	40074-700	
100 CFM FAN KIT	CPI	12804-701	(1) PER CABINET
HORIZONTAL POWER OUTLET STRIP	CPI	12816-707	(1) PER CABINET OR SWING FRAME
WALL MOUNTED SWING FRAME RACK - 49'Hx19"Wx25"D - 27RMU	CPI	11807-725	
WALL MOUNTED SWING FRAME RACK - 38'Hx19"Wx25"D - 21RMU	CPI	11791-725	
12" WIDE LADDER RACK	CPI	10250-712	
18" WIDE LADDER RACK	CPI	10250-718	
24" M.E.2 WIRE CABLE TRAY	WIREMAID	05-2-24410	OR APPROVED EQUIVALENT
36" M.E.2 WIRE CABLE TRAY	WIREMAID	05-2-36410	
8" SOLID BOTTOM PLATE	WIREMAID	05-2-08BP	
12" SOLID BOTTOM PLATE	WIREMAID	05-2-12BP	
18" SOLID BOTTOM PLATE	WIREMAID	05-2-18BP	
24" SOLID BOTTOM PLATE	WIREMAID	05-2-24BP	
36" SOLID BOTTOM PLATE	WIREMAID	05-2-36BP	
2" HIGH TRAY DIVIDER	WIREMAID	05-2-500983	
4" HIGH TRAY DIVIDER	WIREMAID	05-2-500984	
FIRESTOP SYSTEM FOR SLOTS AND LARGE WALL PENETRATIONS	SPECIFIED TECHNOLOGIES, INC.	C-AJ-8093	OR APPROVED EQUIVALENT

SYMBOL CHART

SYMBOL	DESCRIPTION	BACKBOX REQ.	CONDUIT REQ.	POWER REQS.	# JACKS	# CABLES	TERMINATION AT CLOSET END	COMMENTS
J(A)	4 PORT ADMIN AREA OUTLET	1	6	9	4–RJ45	4	3 CABLES TO PATCH PANEL 1 CABLE TO 110 BLOCK	ADMIN DATA CABLES TO BE TERMINATED ON TO DEDICATED PATCH PANELS.
2(A)	2 PORT ADMIN AREA OUTLET	1	6	9	2–RJ45	2	2 CABLES TO PATCH PANEL	ADMIN DATA CABLES TO BE TERMINATED ON TO DEDICATED PATCH PANELS.
2	2 PORT DATA OUTLET	1	4	9	2–RJ45	2	PATCH PANEL	
D	1 PORT DATA OUTLET	1	4	9	1–RJ45	1	PATCH PANEL	
H	1 PORT HOUSE PHONE OUTLET–ANALOG	1	4	NOT REQD	1–RJ45	1	110 BLOCKS	PHONE OUTLETS ABOVE STANDARD OUTLET HEIGHT REQUIRE FACEPLATE WITH MOUNTING STUDS
H	1 PORT HOUSE PHONE OUTLET–VOIP	1	4	NOT REQD	1–RJ45	1	PATCH PANEL	PHONE OUTLETS ABOVE STANDARD OUTLET HEIGHT REQUIRE FACEPLATE WITH MOUNTING STUDS
B	1 PORT GUEST ROOM PHONE OUTLET–ANALOG	1	7	9	1–RJ45	1	110 BLOCKS	LEAVE 6" COIL ABOVE 110 BLOCKS IN CLOSET
DS	DIGITAL SIGNAGE OUTLET	1	7	9	1–RJ45	1	MOD END	CABLING IS VENDOR SPECIFIC, CONSULT VENDOR FOR SPECIFICATIONS OF PROPOSED CABLE AND OUTLET TERMINATION
2FT	2 PORT DATA, TV, FIBER OUTLET	1	5	9	2 PORT DATA, TV, FIBER OUTLET	4	2 DATA CABLES TO PATCH PANEL, 1 COAX CABLE TO AMPS/TAPS, FIBER TO FIBER ENCLOSURE	REQUIRES (2) CAT 6 DATA CABLES, (1) RG–6 COAX, (1) 50/125 LASER OPTIMIZED DUPLEX FIBER
(xx)	CCTV MINI DOME CAMERA LOCATION	NOT REQD	NOT REQD	NOT REQD	1–RJ45	1	PATCH PANEL	MD=MINI DOME–CEILING MOUNTED, EH=EXTERIOR HOUSING OR WEATHER PROOF
TV	TV COAX OUTLET GUESTROOM	1	6	9	1–RJ45	1	PATCH PANEL	SEE MATV INSTALLATION NOTES, COMPRESSION STYLE FITTINGS ONLY
TV	TV COAX OUTLET–PUBLIC AREAS	1	6	9	F CONNECTOR AND 1–RJ45	2	1 COAX CABLE TO AMPS/TAPS	SEE MATV INSTALLATION NOTES, COMPRESSION STYLE FITTINGS ONLY
2	2 PORT DATA OUTET IN FLOOR BOX	8	6	11	2–RJ45	2	PATCH PANEL	
4	4 PORT DATA OUTET IN FLOOR BOX	8	6	11	4–RJ45	4	PATCH PANEL	
4	4 PORT DATA OUTLET	1	6	9	4–RJ45	4	PATCH PANEL	"4C" IS THE SAME OUTLET, IT IN A OUTDOOR BACKBOX WITH A COVER. SEE DETAILS 22 ON SHEET DV605
WN	1 PORT DATA WIRELESS ANTENNAE OUTLET	BISCUIT BLOCK–SEE DETAIL SHEET	4	NOT REQD	1–RJ45	1	PATCH PANEL	TYPICALLY MOUNTED IN ACCESSIBLE CEILING SPACE AREA – LEAVE 15' COIL AT TERMINATION (WAPS TO TERMINATE ONTO KEYSTONE FEMALE JACK)
ZH	1 PORT DATA WIRELESS ZIGBEE ANTENNAE OUTLET	BISCUIT BLOCK–SEE DETAIL SHEET	4	NOT REQD	1–RJ45	1	PATCH PANEL	TYPICALLY MOUNTED IN ACCESSIBLE CEILING SPACE AREA – LEAVE 15' COIL AT TERMINATION END FOR FUTURE POTENTIAL ADJUSTMENT
2–POS–(x)	2 PORT POINT OF SALE (POS) LOCATION OUTLET	1	4	10	2–RJ45	2	DEDICATED POS PATCH PANEL	(X) DENOTES TYPE OF POS T=TERMINAL P=PRINTER
DA	DURESS ALARM BUTTON	1	4				TO SECURITY CONTROL PANEL	VENDOR SPECIFIC, CONSULT VENDOR FOR SPECIFICATIONS OF PROPOSED UNIT.
IC	INTERCOM	AIPHONE BACKBOX	4	NOT REQD	1–RJ45	1	PATCH PANEL	AIPHONE IS–IPDV AND SOFTWEAR OR EQUIVALENT.
CR	GUEST CARD READER (RFID LOCK) SHOWN FOR REFERENCE ONLY							REFERENCE DOOR HARDWARE SCHEDULE BY OTHERS
DC	DOOR CONTACT							
TS	TAMPER SWITCH						CABLING IS VENDOR SPECIFIC, CONSULT VENDOR FOR SPECIFICATIONS OF PROPOSED CABLE AND OUTLET TERMINATION	CONNECT THE TAMPER SWITCH TO THE KNOX BOX (SHOWN E101) THIS SWITCH SHALL BE CONNECTED TO THE BUILDING SECURITY ALARM SYSTEM.

KEYNOTE REFERENCES FOR SYMBOL CHART (APPLIES TO THIS SHEET ONLY)

KEYNOTE	REQUIREMENTS
1	4" X 4" BACK BOX WITH SINGLE GANG MUD RING
2	4" X 4" BACK BOX WITH DOUBLE GANG MUD RING
3	COORDINATE WITH AV DRAWINGS – IT/TV JACKS TO BE MOUNTED WITHIN AV TECH PANEL
4	3/4" EMT CONDUIT STUBBED TO CABLE TRAY OR ACCESSIBLE CEILING SPACE CONTIGUOUS TO CABLE DESTINATION ROOM
5	(2) 3/4" EMT CONDUITS STUBBED TO CABLE TRAY OR ACCESSIBLE CEILING SPACE CONTIGUOUS TO CABLE DESTINATION ROOM
6	1" EMT CONDUIT STUBBED TO CABLE TRAY OR ACCESSIBLE CELING SPACE CONTIGUOUS TO CABLE DESTINATION ROOM
7	SEE CONDUIT RISER DIAGRAM FOR CONDUIT/CABLING PATHWAY REQUIREMENTS. SHEET DV400 SERISE FOR GUESTROOM CONDUITS
8	1 GANG SECTION OF FLOOR BOX– FLOOR BOX SPECIFIED BY ELECTRICAL ENGINEER
9	120 VOLT/20 AMP DUPLEX POWER OUTLET. POWER CIRCUIT WITHIN SAME STUD CAVITY
10	120 VOLT/20 AMP DUPLEX ISOLATED GROUND POWER OUTLET WITHIN SAME STUD CAVITY
11	120 VOLT/20 AMP DUPLEX RECEPTACLE IN FLOOR BOX
12	2 GANG SECTION OF FLOOR BOX– FLOOR BOX SPECIFIED BY ELECTRICAL ENGINEER

RESPONSIBILITY MATRIX

CABLING CONTRACTOR TO PROVIDE	SECURITY CONTRACTOR TO PROVIDE	ELECTRICAL CONTRACTOR TO PROVIDE
– CAT6 CABLES – CAT6 JACKS – COAX CABLES – FACEPLATE – PATCH PANEL – WALL MOUNT RACK – WIRE MANAGER – COMPRESSION CONNECTOR – J–HOOK – MISC. (PANELS, CABLE, MOUNTING HARDWARE, SOFTWARE, JACKS, LADDER RACK, ETC... AND ANY OTHER RELAYED COMPONENT TO DELIVER A COMPLETE SYSTEM TO THE CLIENT)	– DOOR CONTACTS (AS NEEDED) – SECURITY SYSTEM – ALL CABLES FOR SECURITY SYSTEM – CCTV CAMERAS – CCTV CAMERAS MOUNTS – SECURITY PoE SWITCHES – TAMPER SWITCH – MISC. (PANELS, CABLE, MOUNTING HARDWARE, SOFTWARE, ETC... AND ANY OTHER RELAYED COMPONENT TO DELIVER A COMPLETE SYSTEM TO THE CLIENT) NOTE: ANY CCTV CAMERA EXPOSED TO WEATHER SHALL BE IN A WEATHER PROOF HOUSING	– 4X4 BACK BOXES – 4X4 SINGLE GANG MUD RING – CONDUITS – SLEEVES – FIRESTOPPING – PULL STRING – KNOX BOX – MISC. (LABLES CONDUIT, HAND HOLE, SITE CONDUITS, VERT CONDUIT ETC... AND ANY OTHER RELAYED COMPONENT TO DELIVER A COMPLETE PATHWAY SYSTEM TO THE CLIENT)

NOTE : ULTIMATELY THE GENERAL CONTRACTOR IS RESPONSIBLE TO ENSURE PROPER COORDINATION BETWEEN DISCIPLINES OCCURS TO DELIVER COMPLETE SYSTEM TO THE CLIENT.

MATV CABLE INSTALLER RECOMMENDED COMPONENT SCHEDULE

DESCRIPTION	MANUFACTURER	PART NUMBER	COMMENTS
SPLITTERS			
2 Way 1 GHz Drop Splitter	TONER CABLE EQUIPMENT, INC.	XGVS –2	GREATER THAN 120dB RFI INTEGRITY
4 Way 1 GHz Drop Splitter	TONER CABLE EQUIPMENT, INC.	XGVS –4	GREATER THAN 120dB RFI INTEGRITY
6 Way 1 GHz Drop Splitter	TONER CABLE EQUIPMENT, INC.	XGVS –6	GREATER THAN 120dB RFI INTEGRITY
8 Way 1 GHz Drop Splitter	TONER CABLE EQUIPMENT, INC.	XGVS –8	GREATER THAN 120dB RFI INTEGRITY
2 WAY 1–GHZ VERTICAL SPLITTER – SOLDER BACK	PICO MACOM	TSV–2SB	GREATER THAN 130dB RFI INTEGRITY
4 WAY 1–GHZ VERTICAL SPLITTER – SOLDER BACK	PICO MACOM	TSV–4SB	GREATER THAN 130dB RFI INTEGRITY
6 WAY 1–GHZ VERTICAL SPLITTER – SOLDER BACK	PICO MACOM	TSV–6SB	GREATER THAN 130dB RFI INTEGRITY
8 WAY 1–GHZ VERTICAL SPLITTER – SOLDER BACK	PICO MACOM	TSV–8SB	GREATER THAN 130dB RFI INTEGRITY
TAPS – DIRECTIONAL COUPLERS			
1–PORT DIRECTIONAL COUPLER, 5–1,000 MHz – SOLDER BACK	PICO MACOM	TCS–(*)–SB	(*) DENOTES TAP VALUE – 6, 9, 12, 16, 20, 24, 27, 30 dB
1–PORT DIRECTIONAL COUPLER, 5–1,000 MHz – WALL PLATE	PICO MACOM	TLCW–(*)–SB	
2–PORT DIRECTIONAL COUPLER, 5–1,000 MHz – SOLDER BACK	PICO MACOM	TLC2–(*)–SB	
4–PORT DIRECTIONAL COUPLER, 5–1,000 MHz – SOLDER BACK	PICO MACOM	TLC4–(*)–SB	
2–PORT TAP, 5–1,000 MHz	TONER CABLE EQUIPMENT, INC.	TGT2–(*)	(*) DENOTES TAP VALUE – 4T, 8, 11, 14, 17, 20, 23, 26, 29, 32 dB
4–PORT TAP, 5–1,000 MHz	TONER CABLE EQUIPMENT, INC.	TGT4–(*)	
AMPLIFIERS AND ACCESSORIES			
BROADBAND INDOOR DISTRIBUTION AMPLIFIERS, 750 MHz, 30 dB GAIN	BLONDER TONGUE	BIDA 75A–30P	POWER DOUBLING
BROADBAND INDOOR DISTRIBUTION AMPLIFIERS, 860 MHz, 30 dB GAIN	BLONDER TONGUE	BIDA 86A–30P	
BROADBAND INDOOR DISTRIBUTION AMPLIFIERS, 750 MHz, 43 dB GAIN	BLONDER TONGUE	BIDA 75A–43P	
BROADBAND INDOOR DISTRIBUTION AMPLIFIERS, 860 MHz, 43 dB GAIN	BLONDER TONGUE	BIDA 86A–43P	
FIXED ATTENUATORS (PADS) 1–20 dB IN 1 dB STEP	BLONDER TONGUE	BIDA FA	STOCK NUMBER 5411A SPECIFY VALUE 3, 6, 9, 12, 18 dB
CABLE EQUALIZERS	BLONDER TONGUE	BIDA CE	STOCK NUMBER 5477 SPECIFY VALUE 3, 6, 9, 12, 18 dB
CONNECTORS			
SERIES 6 COMPRESSION CONNECTOR	PPC	EX6XL	
SERIES 6 COMPRESSION CONNECTOR	DIRECTV	SNSD6	
BARREL CONNECTOR	CABLETONIX	F–813GZ	
HIGH FREQ KEYSTONE	CABLETONIX	CT–KEY–FINS–HF	
COAXIAL CABLES			
RG–6, 18 AWG, PLENUM	DIRECTV	PVCX1B	CATVP, CMP RATING
DUAL RG–6, 18 AWG, PLENUM	DIRECTV	PVCX2B	
FACEPLATES			
WALL PLATE WITH ONE 3GHZ F FEMALE TV CONNECTION	CABLETRONIX	WP–812GIV	
WALL PLATE WITH ONE 3GHZ F FEMALE TV CONNECTION	CABLETRONIX	WP–812GWH	

NOTES:

1. SOME OF THE ABOVE LISTED PRODUCTS MAY NOT BE REQUIRED FOR THIS PROJECT. CABLING CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PRODUCTS, AS REQUIRED, TO FURNISH OWNER WITH COMPLETE SYSTEM.
2. IT IS THE RESPONSIBILITY OF THE CABLING CONTRACTOR TO COORDINATE WITH THE OWNER AND MATV VENDOR PRIOR TO INSTALLING CABLE, TAPS ETC. TO DETERMINE WITCH SYSTEM SHALL BE USED.
3. RG–6 OR RG–11(150'–200') CABLE FROM TV OUTLET. COAX CABLES SHOULD BE HOMERUN TO EVERY OUTLET FROM THE APPROPRIATE IDF AS NOTED ON FLOOR PLAN AND OR RISER DIAGRAM. IN ROOM SPLITTING SHOULD BE AVOIDED. LOOP–THRU WIRING IS NOT ACCEPTABLE.
4. CABLING SHOULD BE RG–6 60% BRAID, SOLID COPPER CONDUCTOR, SWEEP TESTED FROM 5 MHz TO 3000 MHz. RG–6 CABLE MAXIMUM LENGTH OF 150". RG–11 CABLE MAXIMUM LENGTH OF 150'–200'.
5. ALL CABLES TO BE PROPERLY TAGGED WITH ROOM NUMBER IN IDF AND PROPERLY TERMINATED IN EACH ROOM WITH APPROVED FITTINGS.
6. PUBLIC AREA TV LOCATIONS SHOULD BE HOMERUN TO NEAREST IDF. WALL PLATES MUST HAVE 3 MHz HIGH FREQUENCY BARREL CONNECTORS. RG–6 JUMPER CABLES WITH SHALL HAVE COMPRESSION FITTINGS MUST BE USED FOR WALL PLATE TO TV CONNECTIONS.
7. TV LOCATIONS MUST HAVE 120V UN–SWITCHED OUTLET IN CLOSE PROXIMTY.
8. ***DRE SYSTEM IS SELECTED FOR MATV, ALL MATV COMPONENTS SHALL BE SWEEP TESTED FROM 5 MHz to 3,000 MHZ.***

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NTI JOB NO. 19-7533

SEAL | DATE

SHEET ISSUE

1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	100% CD	02/28/2025

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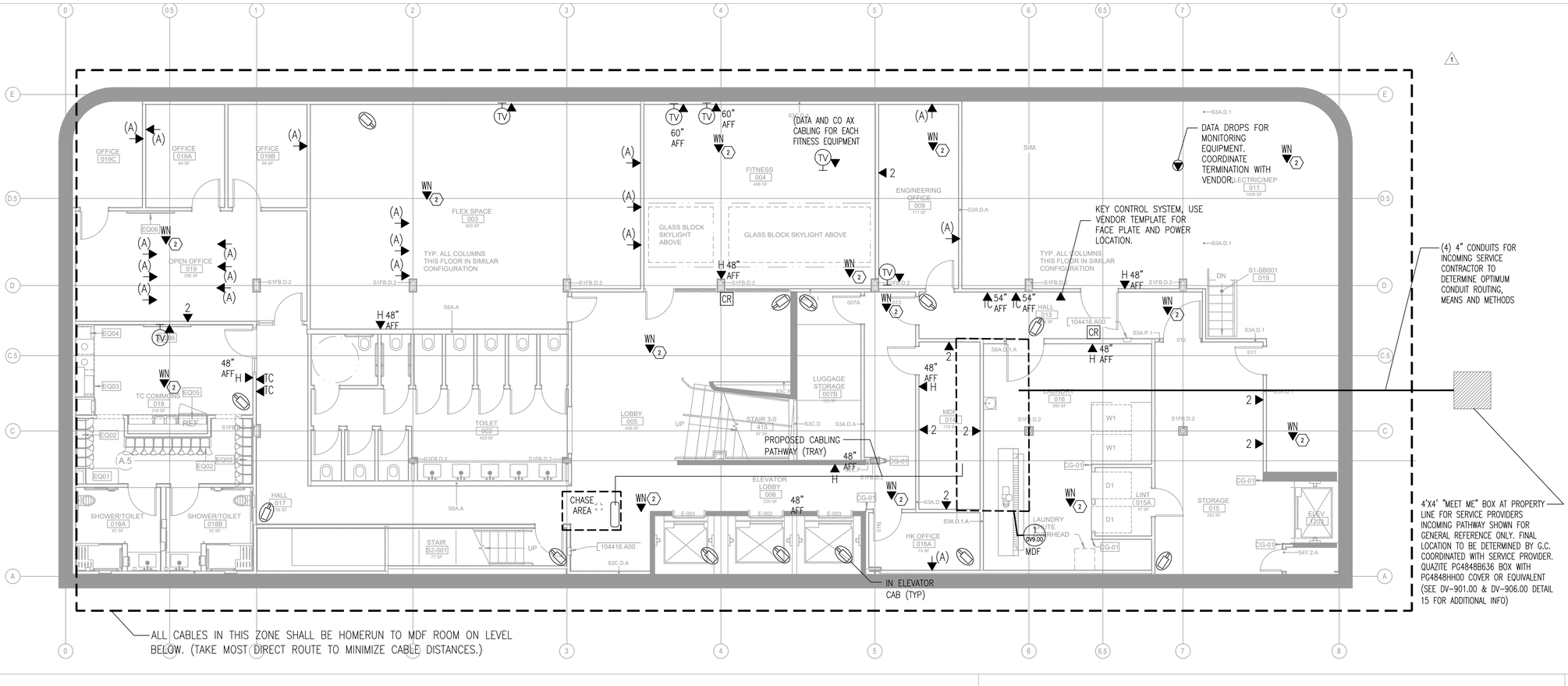
PROJECT NO.

SHEET TITLE
SYMBOL & LEGEND SHEET
-DATA/VOICE

SHEET NUMBER
DV-001



E1 A-100

BASEMENT FLOOR PLAN

3/16" = 1'-0"

GENERAL NOTES:

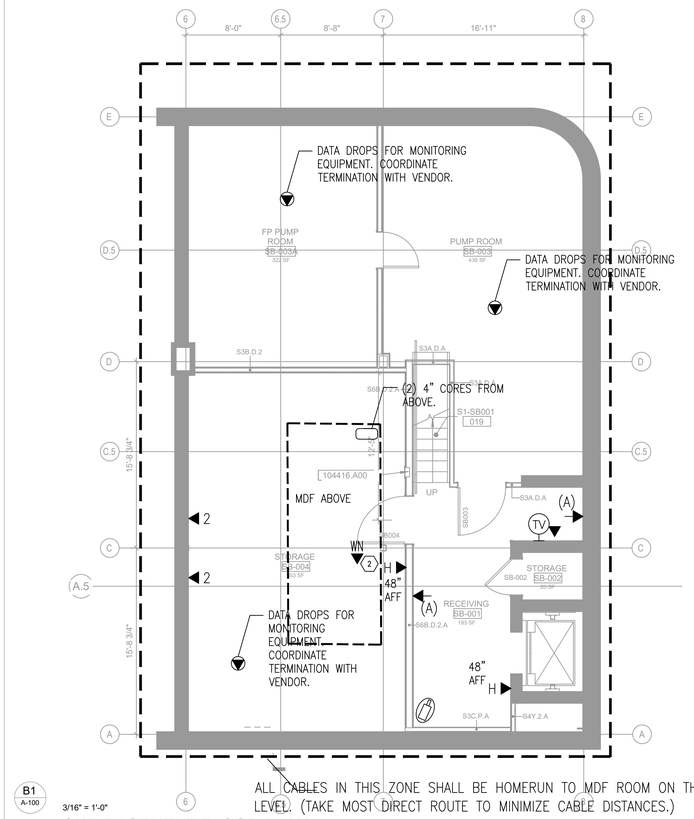
1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL DATA OUTLETS EXCEPT WIRELESS NODES REQUIRE POWER OUTLET IN CLOSE PROXIMITY. (WITHIN ONE STUD CAVITY).
4. NO DRILLING, CORING OR "SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
5. ALL CONDUITS SHALL CONTAIN PULL STRINGS.
6. PULL BOX EVERY TWO 90 DEGREE TURNS FOR CABLING PATHWAY.

KEY NOTES:

COORDINATE OUTLET LOCATION/HEIGHT WITH ID DRAWINGS.

WIRELESS NODES SHALL HAVE A 25' SERVICE LOOP AND SHALL BE MOUNTED WITHIN REACH OF ACCESSIBLE CEILING SPACE OR BEHIND ACCESS PANEL.SEE DETAIL 7/DV906 FOR PROPOSED ACCESS PANEL.

(1) 2" CONDUIT TO WALL AND TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO DESTINATION CLOSET. COORDINATE WITH ELECTRICAL DRAWINGS.



B1 A-100

3/16" = 1'-0"

SUB-BASEMENT FLOOR PLAN

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NTI JOB NO. 19-7533

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1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
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2	100% CD	02/28/2025

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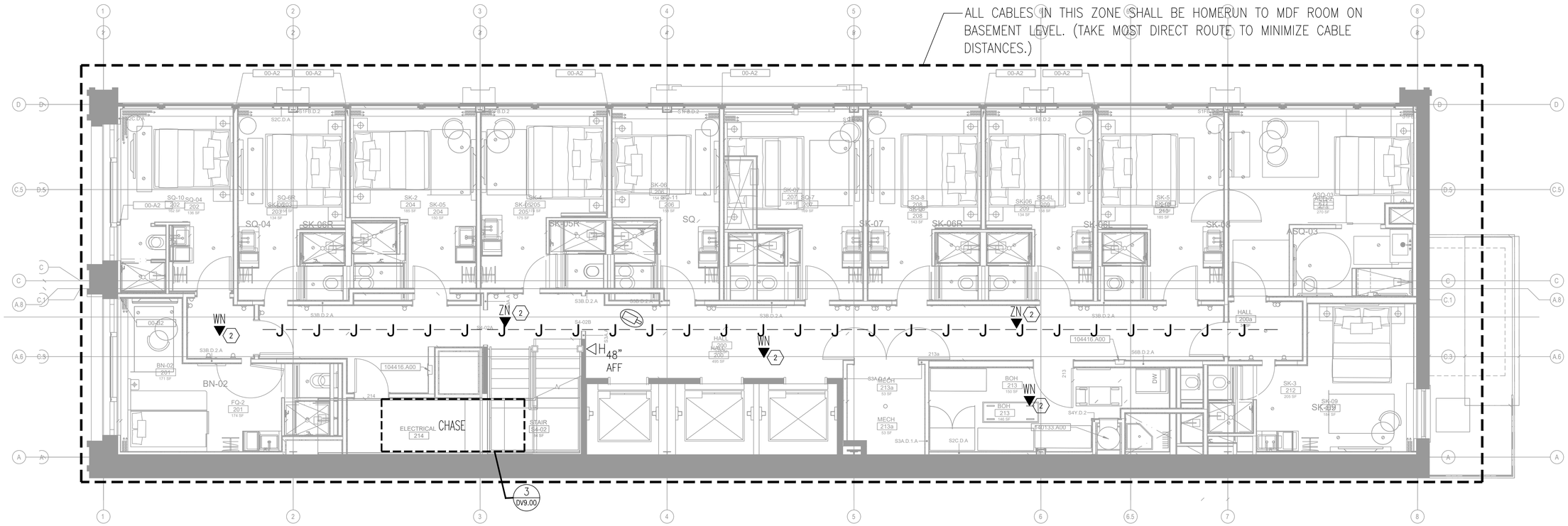
PROJECT NO.

SHEET TITLE

SUB-BASEMENT AND BASEMENT FLOOR PLANS -DATA/VOICE

SHEET NUMBER

DV-100



2 A-101 **SECOND FLOOR PLAN**

1/4" = 1'-0"

GENERAL NOTES:

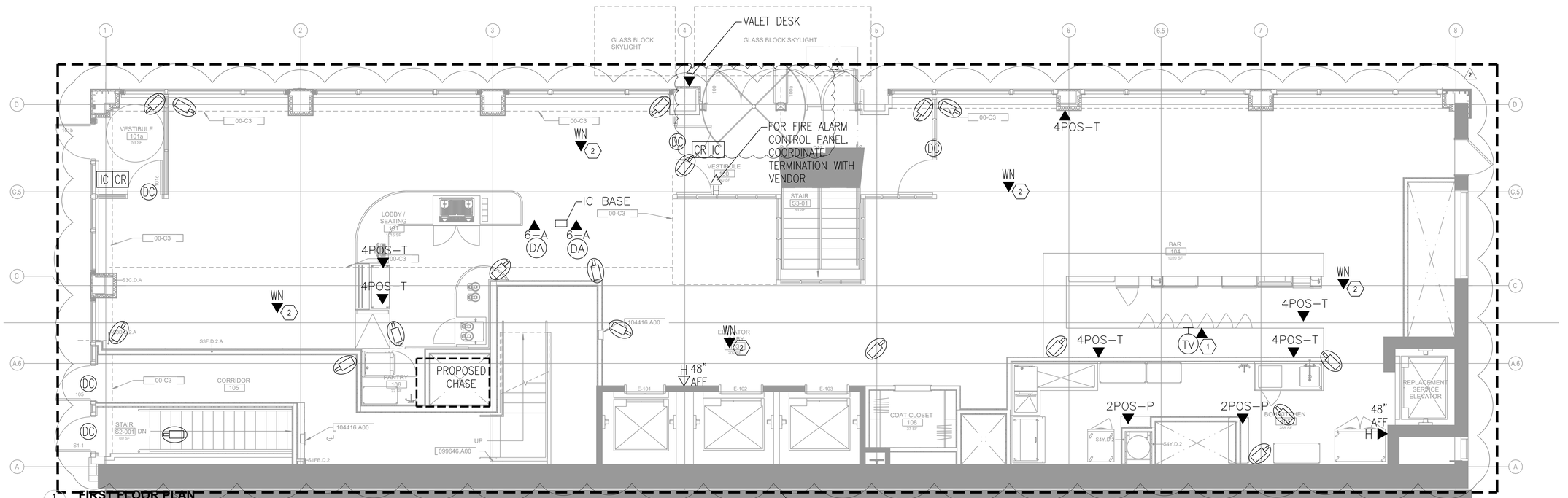
1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL DATA OUTLETS EXCEPT WIRELESS NODES REQUIRE POWER OUTLET IN CLOSE PROXIMITY. (WITHIN ONE STUD CAVITY).
4. NO DRILLING, CORING OR "SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
5. ALL CONDUITS SHALL CONTAIN PULL STRINGS.

KEY NOTES:

COORDINATE OUTLET LOCATION/HEIGHT WITH ID DRAWINGS.

WIRELESS NODES SHALL HAVE A 25' SERVICE LOOP AND SHALL BE MOUNTED WITHIN REACH OF ACCESSIBLE CEILING SPACE OR BEHIND ACCESS PANEL.SEE DETAIL 7/DV906 FOR PROPOSED ACCESS PANEL.

(1) 2" CONDUIT TO WALL AND TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO DESTINATION CLOSET. COORDINATE WITH ELECTRICAL DRAWINGS.



1 A-101 **FIRST FLOOR PLAN**

1/4" = 1'-0"

ALL CABLES IN THIS ZONE SHALL BE HOMERUN TO MDF ROOM ON LEVEL BELOW. (TAKE MOST DIRECT ROUTE TO MINIMIZE CABLE DISTANCES.)

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1	1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
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PROJECT NO.

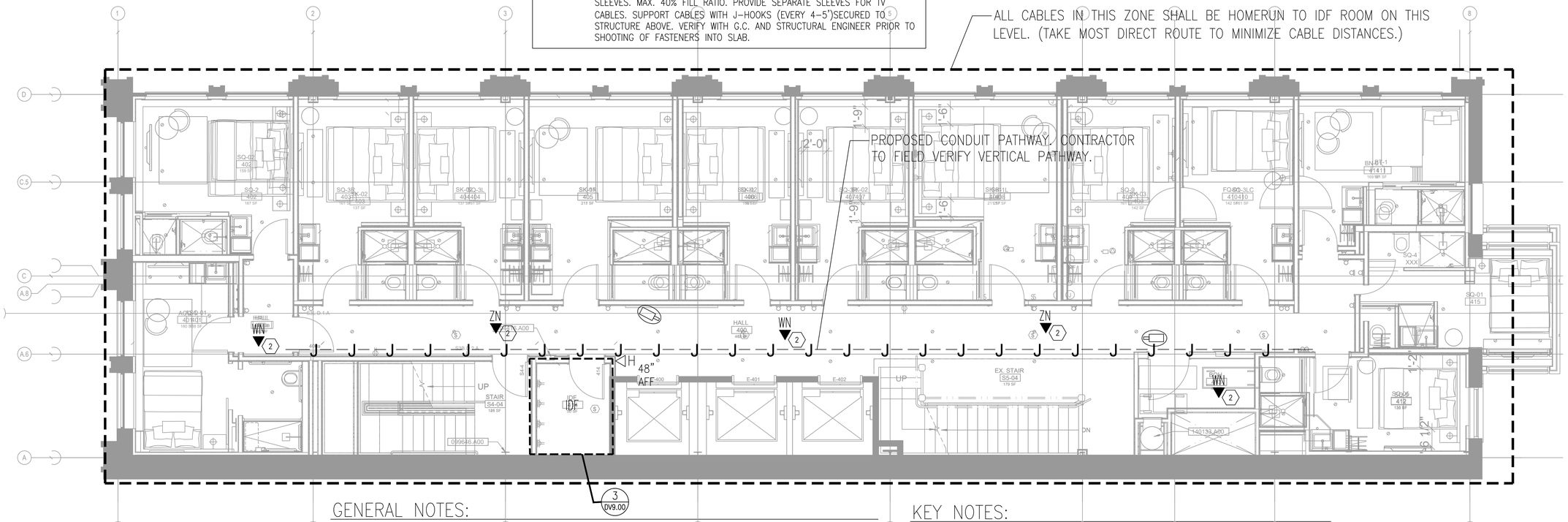
SHEET TITLE
FIRST AND SECOND FLOOR PLAN -DATA/VOICE

SHEET NUMBER
DV-101

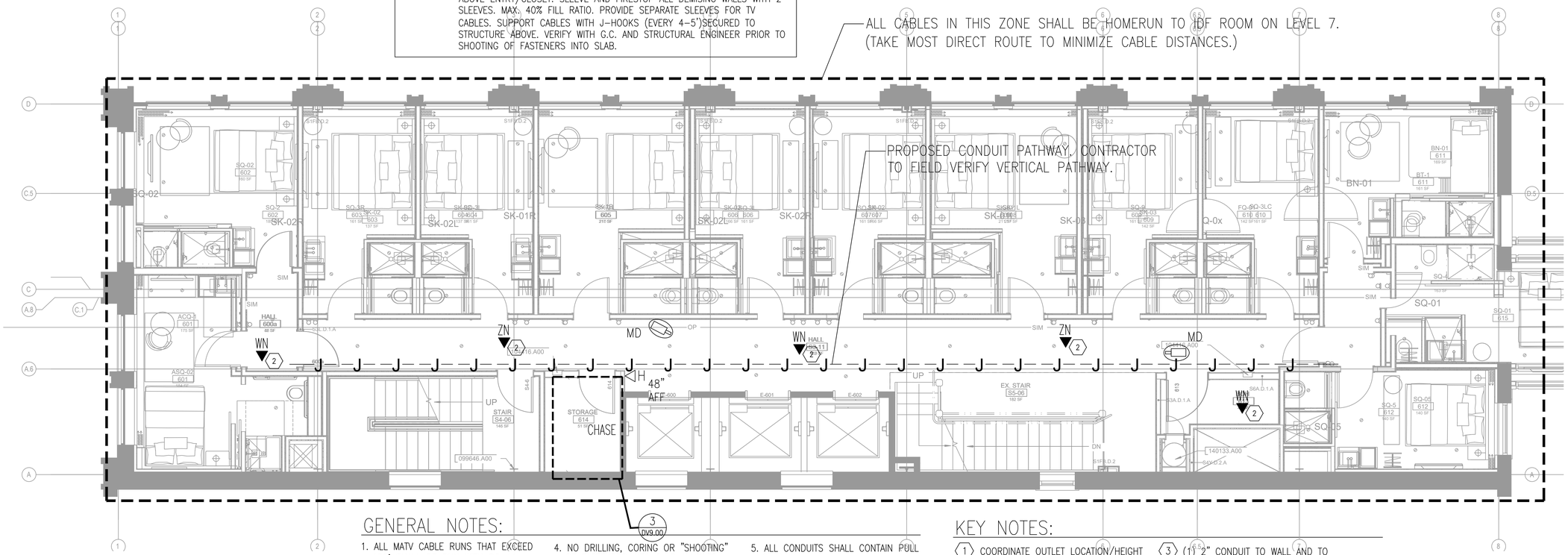
—J— — PROPOSED CABLING PATHWAY FOR GUESTROOM OUTLET CABLES. ROUTE THROUGH ACCESSIBLE CEILING SPACE IN CORRIDOR OR IN DROP AREA ABOVE ENTRY/CLOSET. SLEEVE AND FIRESTOP ALL DEMISING WALLS WITH 2" SLEEVES. MAX. 40% FILL RATIO. PROVIDE SEPARATE SLEEVES FOR TV CABLES. SUPPORT CABLES WITH J-HOOKS (EVERY 4-5')SECURED TO STRUCTURE ABOVE. VERIFY WITH G.C. AND STRUCTURAL ENGINEER PRIOR TO SHOOTING OF FASTENERS INTO SLAB.

ALL CABLES IN THIS ZONE SHALL BE HOMERUN TO IDF ROOM ON THIS LEVEL. (TAKE MOST DIRECT ROUTE TO MINIMIZE CABLE DISTANCES.)

PROPOSED CONDUIT PATHWAY. CONTRACTOR TO FIELD VERIFY VERTICAL PATHWAY.


2'-0"
1'-9"
1'-9"
1'-9

—J— — PROPOSED CABLING PATHWAY FOR GUESTROOM OUTLET CABLES. ROUTE THROUGH ACCESSIBLE CEILING SPACE IN CORRIDOR OR IN DROP AREA ABOVE ENTRY/CLOSET. SLEEVE AND FIRESTOP ALL DEMISING WALLS WITH 2" SLEEVES. MAX. 40% FILL RATIO. PROVIDE SEPARATE SLEEVES FOR TV CABLES. SUPPORT CABLES WITH J-HOOKS (EVERY 4-5')SECURED TO STRUCTURE ABOVE. VERIFY WITH G.C. AND STRUCTURAL ENGINEER PRIOR TO SHOOTING OF FASTENERS INTO SLAB.



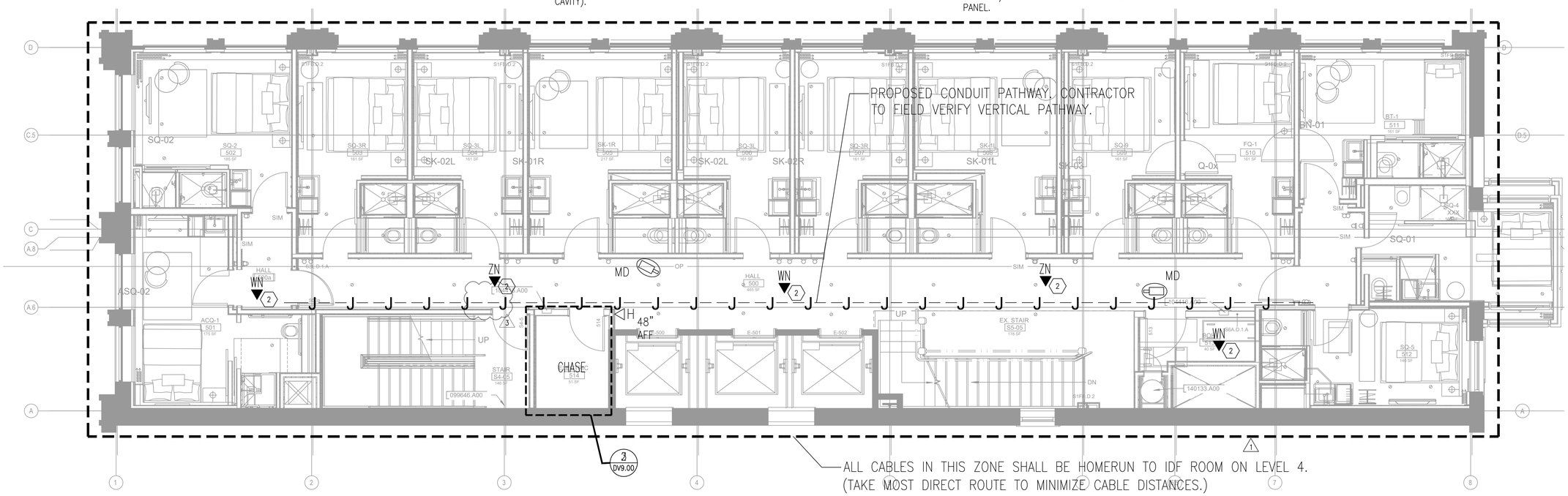
E1 A-103 **SIXTH FLOOR PLAN**
1/4" = 1'-0"

GENERAL NOTES:

1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL DATA OUTLETS EXCEPT WIRELESS NODES REQUIRE POWER OUTLET IN CLOSE PROXIMITY. (WITHIN ONE STUD CAVITY).
4. NO DRILLING, CORING OR "SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
5. ALL CONDUITS SHALL CONTAIN PULL STRINGS.

KEY NOTES:

1. COORDINATE OUTLET LOCATION/HEIGHT WITH ID DRAWINGS.
2. WIRELESS NODES SHALL HAVE A 25' SERVICE LOOP AND SHALL BE MOUNTED WITHIN REACH OF ACCESSIBLE CEILING SPACE OR BEHIND ACCESS PANEL.SEE DETAIL 7/DV906 FOR PROPOSED ACCESS PANEL.
3. (1) 2" CONDUIT TO WALL AND TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO DESTINATION CLOSET. COORDINATE WITH ELECTRICAL DRAWINGS.



B1 A-103 **FIFTH FLOOR PLAN**
1/4" = 1'-0"

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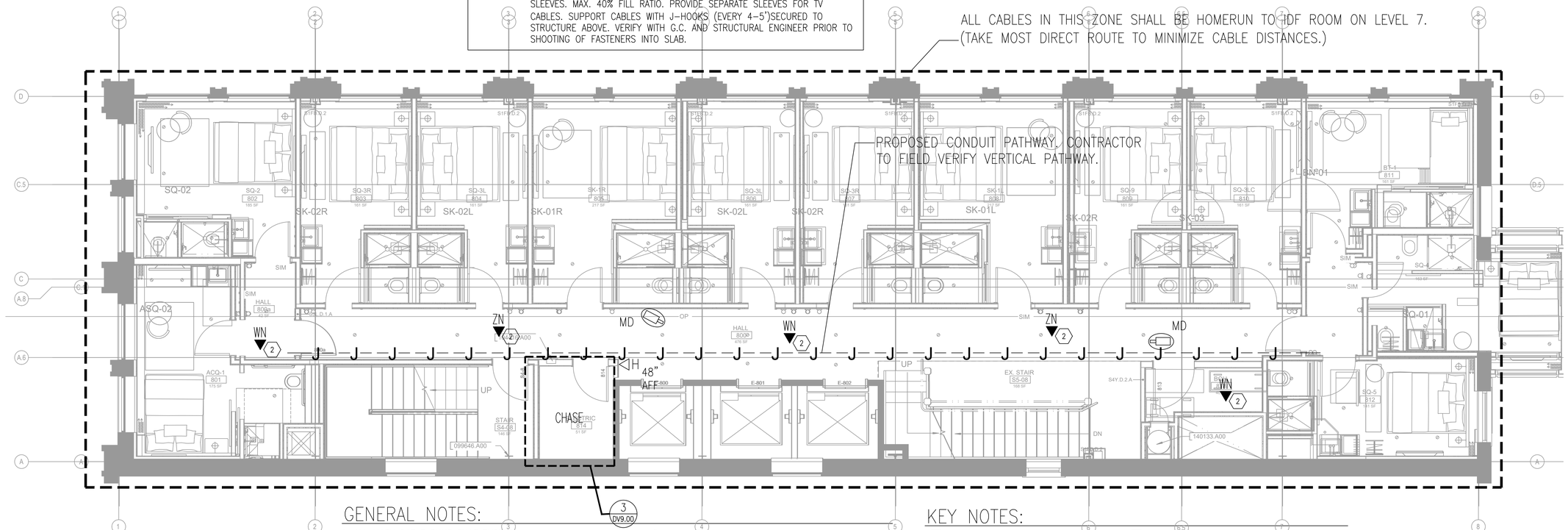
PROJECT NO.

SHEET TITLE
FIFTH AND SIXTH FLOOR PLANS -DATA/VOICE

SHEET NUMBER
DV-103

—J— — PROPOSED CABLING PATHWAY FOR GUESTROOM OUTLET CABLES. ROUTE THROUGH ACCESSIBLE CEILING SPACE IN CORRIDOR OR IN DROP AREA ABOVE ENTRY/CLOSET. SLEEVE AND FIRESTOP ALL DEMISING WALLS WITH 2" SLEEVES. MAX. 40% FILL RATIO. PROVIDE SEPARATE SLEEVES FOR TV CABLES. SUPPORT CABLES WITH J-HOOKS (EVERY 4-5')SECURED TO STRUCTURE ABOVE. VERIFY WITH G.C. AND STRUCTURAL ENGINEER PRIOR TO SHOOTING OF FASTENERS INTO SLAB.



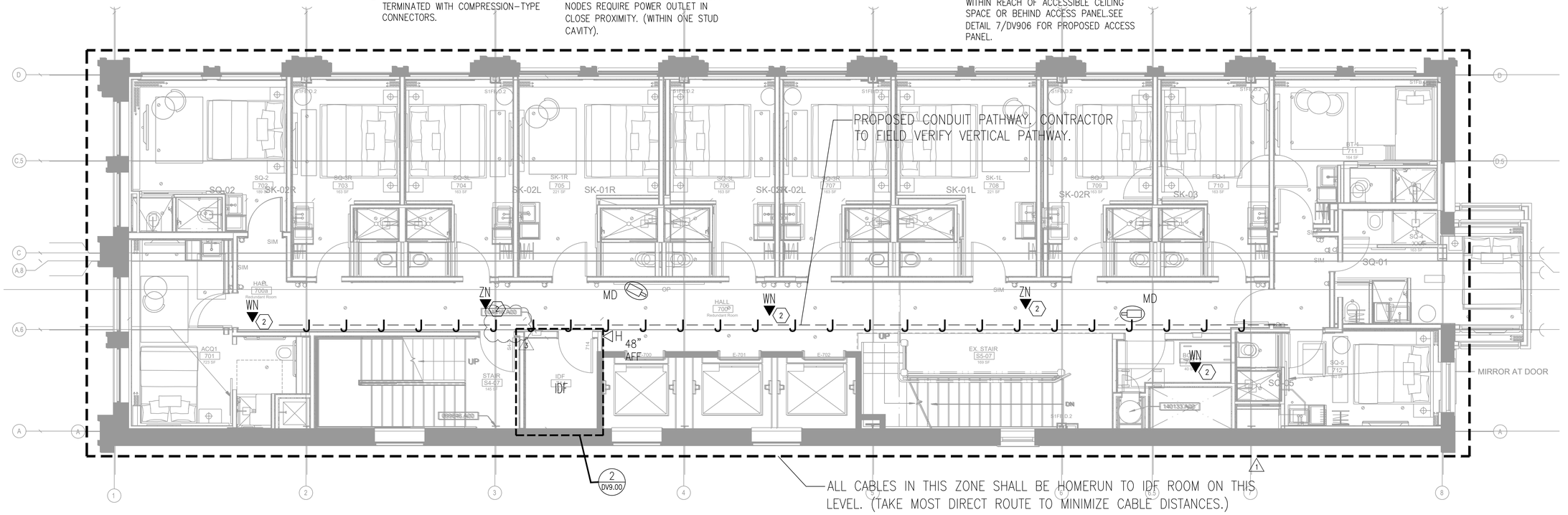
E1 A-104 **EIGHTH FLOOR PLAN**
1/4" = 1'-0"

GENERAL NOTES:

1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL DATA OUTLETS EXCEPT WIRELESS NODES REQUIRE POWER OUTLET IN CLOSE PROXIMITY. (WITHIN ONE STUD CAVITY).
4. NO DRILLING, CORING OR "SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
5. ALL CONDUITS SHALL CONTAIN PULL STRINGS.

KEY NOTES:

1. COORDINATE OUTLET LOCATION/HEIGHT WITH ID DRAWINGS.
2. WIRELESS NODES SHALL HAVE A 25' SERVICE LOOP AND SHALL BE MOUNTED WITHIN REACH OF ACCESSIBLE CEILING SPACE OR BEHIND ACCESS PANEL.SEE DETAIL 7/DV906 FOR PROPOSED ACCESS PANEL.
3. (1) 2" CONDUIT TO WALL AND TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO DESTINATION CLOSET. COORDINATE WITH ELECTRICAL DRAWINGS.



B1 A-104 **SEVENTH FLOOR PLAN**
1/4" = 1'-0"

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NTI JOB NO. 19-7533

SEAL | DATE

SHEET ISSUE

1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	100% CD	02/28/2025

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PROJECT NO.

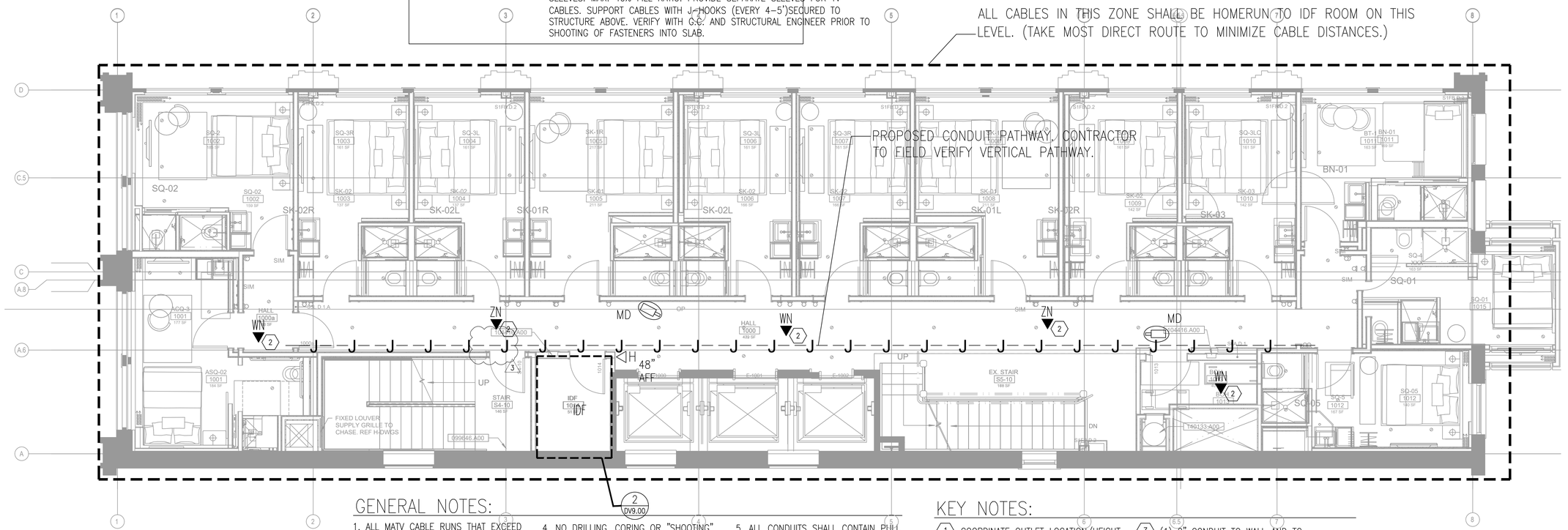
SHEET TITLE
SEVENTH AND EIGHTH FLOOR PLANS -DATA/VOICE

SHEET NUMBER
DV-104

—J— — PROPOSED CABLING PATHWAY FOR GUESTROOM OUTLET CABLES. ROUTE THROUGH ACCESSIBLE CEILING SPACE IN CORRIDOR OR IN DROP AREA ABOVE ENTRY/CLOSET. SLEEVE AND FIRESTOP ALL DEMISING WALLS WITH 2" SLEEVES. MAX. 40% FILL RATIO. PROVIDE SEPARATE SLEEVES FOR TV CABLES. SUPPORT CABLES WITH J-HOOKS (EVERY 4–5')SECURED TO STRUCTURE ABOVE. VERIFY WITH G.C. AND STRUCTURAL ENGINEER PRIOR TO SHOOTING OF FASTENERS INTO SLAB.

ALL CABLES IN THIS ZONE SHALL BE HOMERUN TO IDF ROOM ON THIS LEVEL. (TAKE MOST DIRECT ROUTE TO MINIMIZE CABLE DISTANCES.)

PROPOSED CONDUIT PATHWAY. CONTRACTOR TO FIELD VERIFY VERTICAL PATHWAY.



GENERAL NOTES:

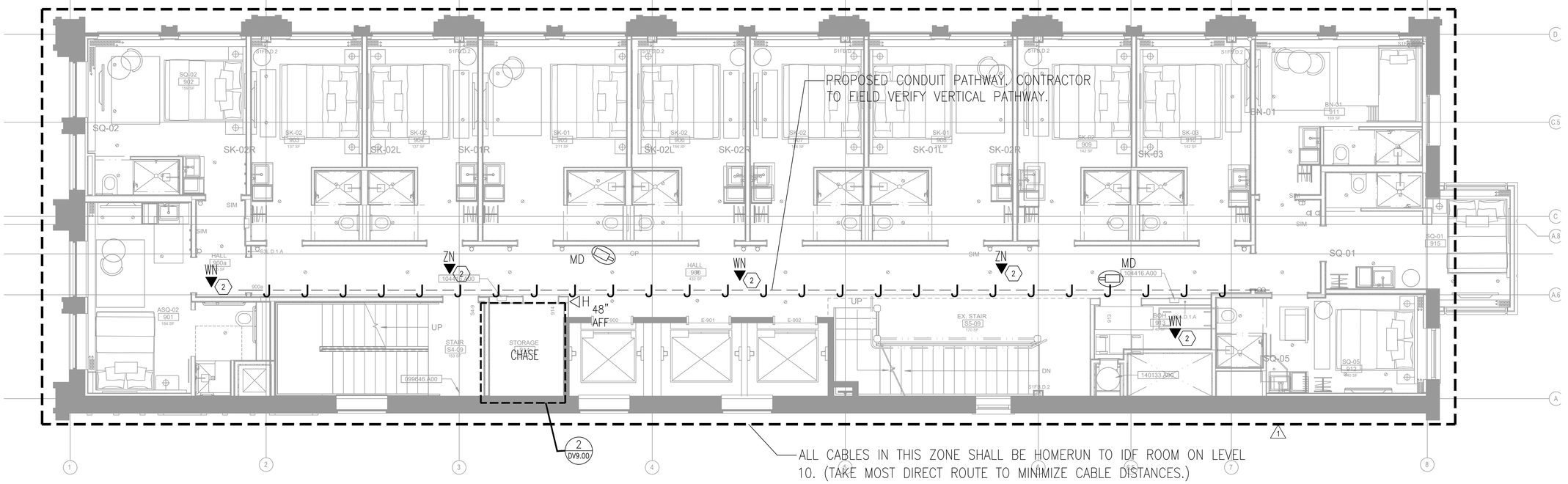
1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG–11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION–TYPE CONNECTORS.
3. ALL DATA OUTLETS EXCEPT WIRELESS NODES REQUIRE POWER OUTLET IN CLOSE PROXIMITY. (WITHIN ONE STUD CAVITY).
4. NO DRILLING, CORING OR "SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
5. ALL CONDUITS SHALL CONTAIN PULL STRINGS.

KEY NOTES:

1. COORDINATE OUTLET LOCATION/HEIGHT WITH ID DRAWINGS.
2. WIRELESS NODES SHALL HAVE A 25' SERVICE LOOP AND SHALL BE MOUNTED WITHIN REACH OF ACCESSIBLE CEILING SPACE OR BEHIND ACCESS PANEL.SEE DETAIL 7/DV906 FOR PROPOSED ACCESS PANEL.
3. (1) 2" CONDUIT TO WALL AND TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO DESTINATION CLOSET. COORDINATE WITH ELECTRICAL DRAWINGS.

E1 A-105 **TENTH FLOOR PLAN**
1/4" = 1'-0"

PROPOSED CONDUIT PATHWAY. CONTRACTOR TO FIELD VERIFY VERTICAL PATHWAY.



ALL CABLES IN THIS ZONE SHALL BE HOMERUN TO IDF ROOM ON LEVEL 10. (TAKE MOST DIRECT ROUTE TO MINIMIZE CABLE DISTANCES.)

B1 A-105 **NINETH FLOOR PLAN**
1/4" = 1'-0"

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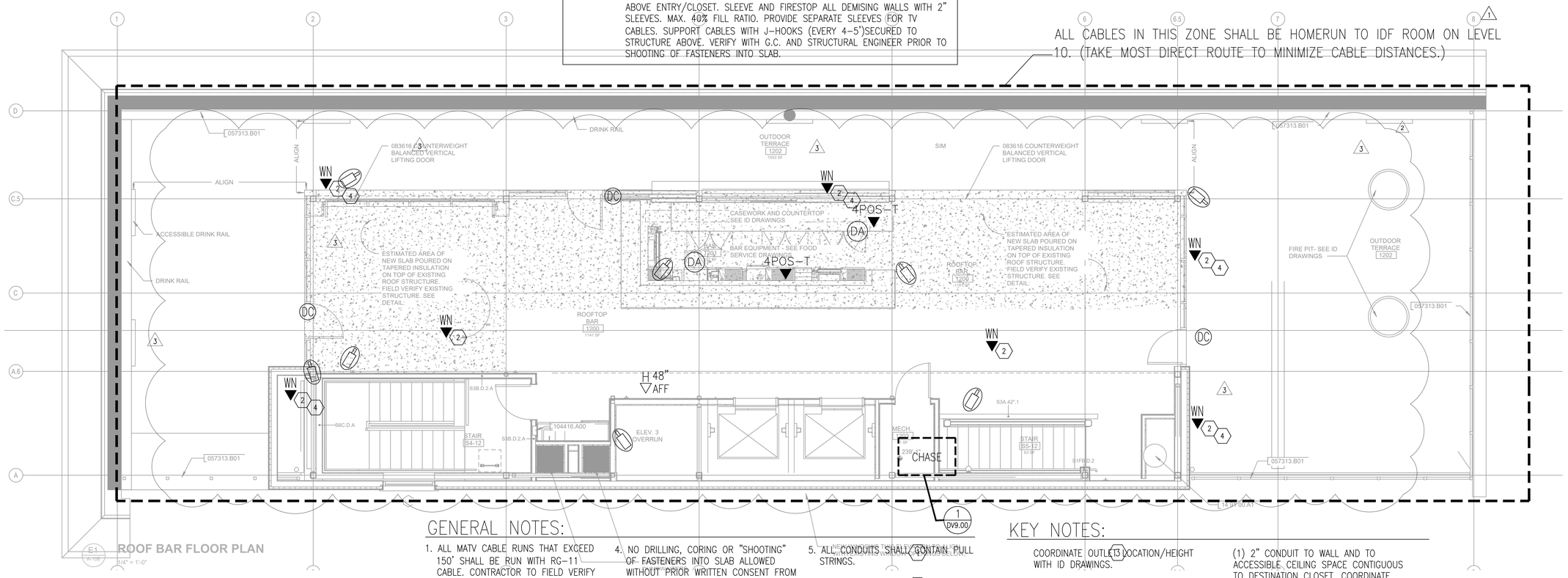
PROJECT NO.

SHEET TITLE
NINTH AND TENTH FLOOR PLANS -DATA/VOICE

SHEET NUMBER
DV-105

—J— — PROPOSED CABLING PATHWAY FOR GUESTROOM OUTLET CABLES. ROUTE THROUGH ACCESSIBLE CEILING SPACE IN CORRIDOR OR IN DROP AREA ABOVE ENTRY/CLOSET. SLEEVE AND FIRESTOP ALL DEMISING WALLS WITH 2" SLEEVES. MAX. 40% FILL RATIO. PROVIDE SEPARATE SLEEVES FOR TV CABLES. SUPPORT CABLES WITH J-HOOKS (EVERY 4-5')SECURED TO STRUCTURE ABOVE. VERIFY WITH G.C. AND STRUCTURAL ENGINEER PRIOR TO SHOOTING OF FASTENERS INTO SLAB.

ALL CABLES IN THIS ZONE SHALL BE HOMERUN TO IDF ROOM ON LEVEL 10. (TAKE MOST DIRECT ROUTE TO MINIMIZE CABLE DISTANCES.)



GENERAL NOTES:

1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL DATA OUTLETS EXCEPT WIRELESS NODES REQUIRE POWER OUTLET IN CLOSE PROXIMITY. (WITHIN ONE STUD CAVITY).
4. NO DRILLING, CORING OR "SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
5. ALL CONDUITS SHALL CONTAIN PULL STRINGS.

KEY NOTES:

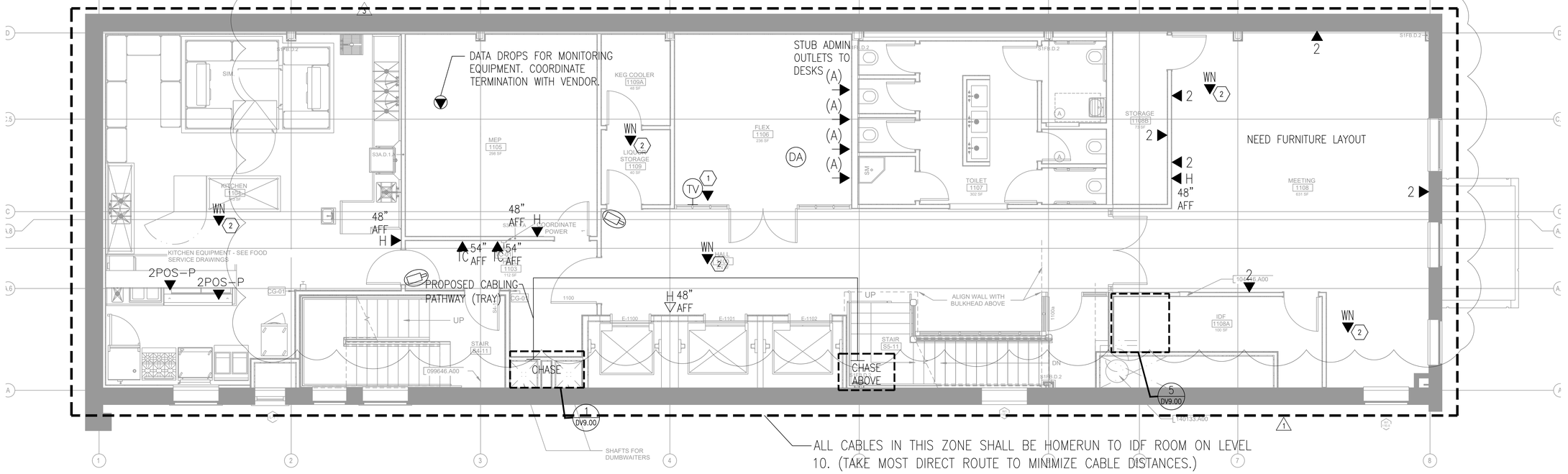
13 COORDINATE OUTLET LOCATION/HEIGHT WITH ID DRAWINGS.

WIRELESS NODES SHALL HAVE A 25' SERVICE LOOP AND SHALL BE MOUNTED WITHIN REACH OF (A) ACCESSIBLE CEILING SPACE OR BEHIND ACCESS PANEL.SEE DETAIL 7/DV906. FOR PROPOSED ACCESS PANEL.

(1) 2" CONDUIT TO WALL AND TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO DESTINATION CLOSET. COORDINATE WITH ELECTRICAL DRAWINGS.

WEATHERPROOF HOUSING FOR OUTDOOR USE.

E1 A-106 — ROOF BAR FLOOR PLAN
1/4" = 1'-0"



B1 A-106 — ELEVENTH FLOOR PLAN
1/4" = 1'-0"

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2	2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	2	100% CD	02/28/2025

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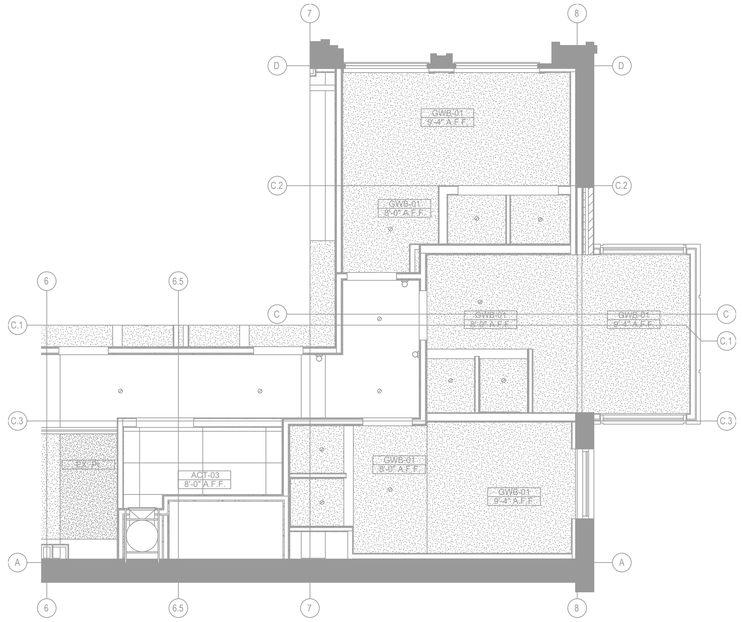
PROJECT NO.

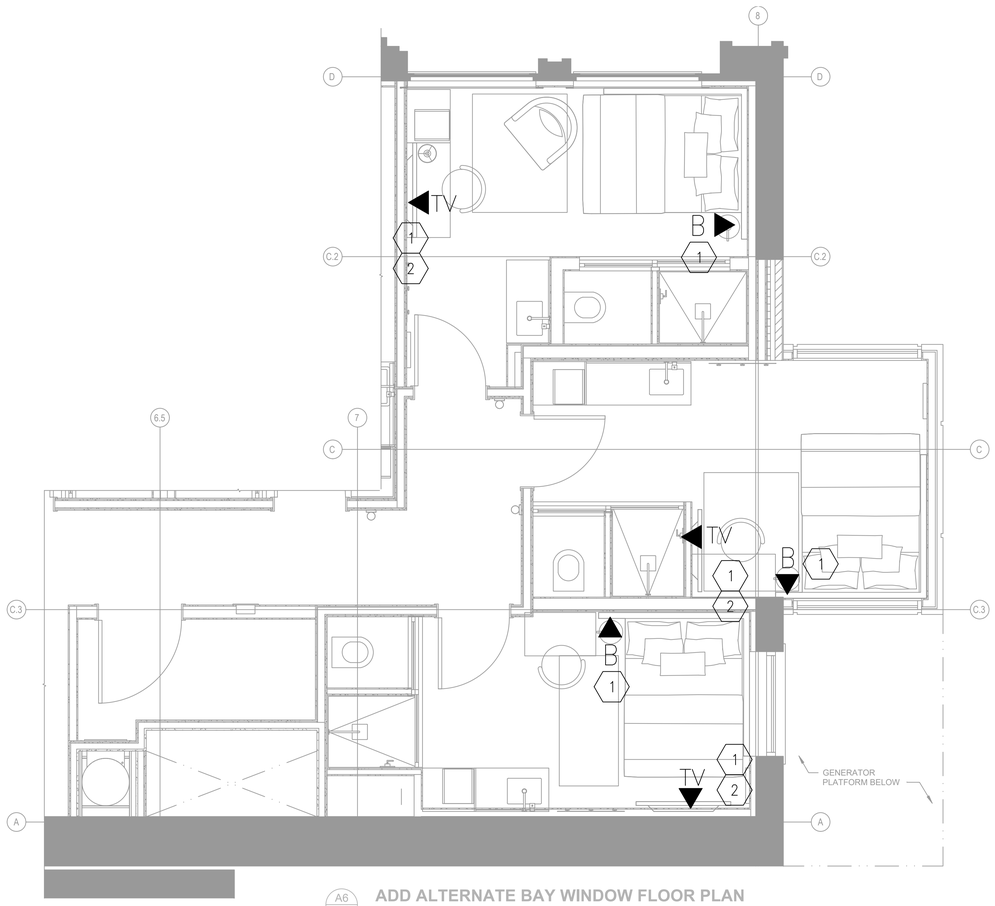
SHEET TITLE
ELEVENTH AND ROOF BAR PLANS -DATA/VOICE

SHEET NUMBER
DV-106



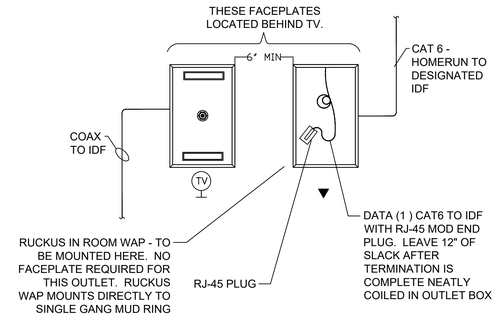
E6 / A-108 **ADD ALT BAY WINDOW REFLECTED CEILING PLAN**

1/4" = 1'-0"



A6 / A-108 **ADD ALTERNATE BAY WINDOW FLOOR PLAN**

3/8" = 1'-0"



NOTE: FOR IN-ROOM WIRELESS ACCESS POINT INSTALLATION, HSIA VENDOR TO DETERMINE FINAL LOCATION OF HARDWARE.

GENERAL NOTES:

1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL OUTLET LOCATIONS ARE SHOWN FOR REFERENCE ONLY. OUTLETS HEIGHT SHALL BE COORDINATED WITH ID DRAWING
4. SEE DV901 & DV902 FOR CONDUIT/CABLING REQUIREMENTS.
5. REFER TO ARCHITECTURAL AND I.D. DRAWINGS FOR EXACT OUTLET LOCATIONS.
6. NO DRILLING, CORING OR " SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
7. ALL OUTLETS MOUNTING HEIGHTS/DIMENSIONS SHOULD BE VERIFIED/CROSS-CHECKED WITH ARCHITECTURAL/I.D. DRAWINGS.
8. ALL TELEPHONE, DATA AND MATV OUTLETS REQUIRE A 4"x4" BOX AND A SINGLE GANG MUD RING. NON GUESTROOM OUTLETS REQUIRE 3/4" EMT CONDUIT TO DESTINATION IDF OR TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO SAME. ALL CONDUITS REQUIRE PULL STRING (BY GENERAL CONTRACTOR).
9. ALL DATA/TV OUTLETS REQUIRE POWER OUTLET IN CLOSE PROXIMITY (WITHIN 1 STUD-CAVITY).

KEY NOTES:

COORDINATE MOUNTING HEIGHT AND LOCATION WITH ID DRAWINGS.

LOCATION OF RUCKUS WAP.

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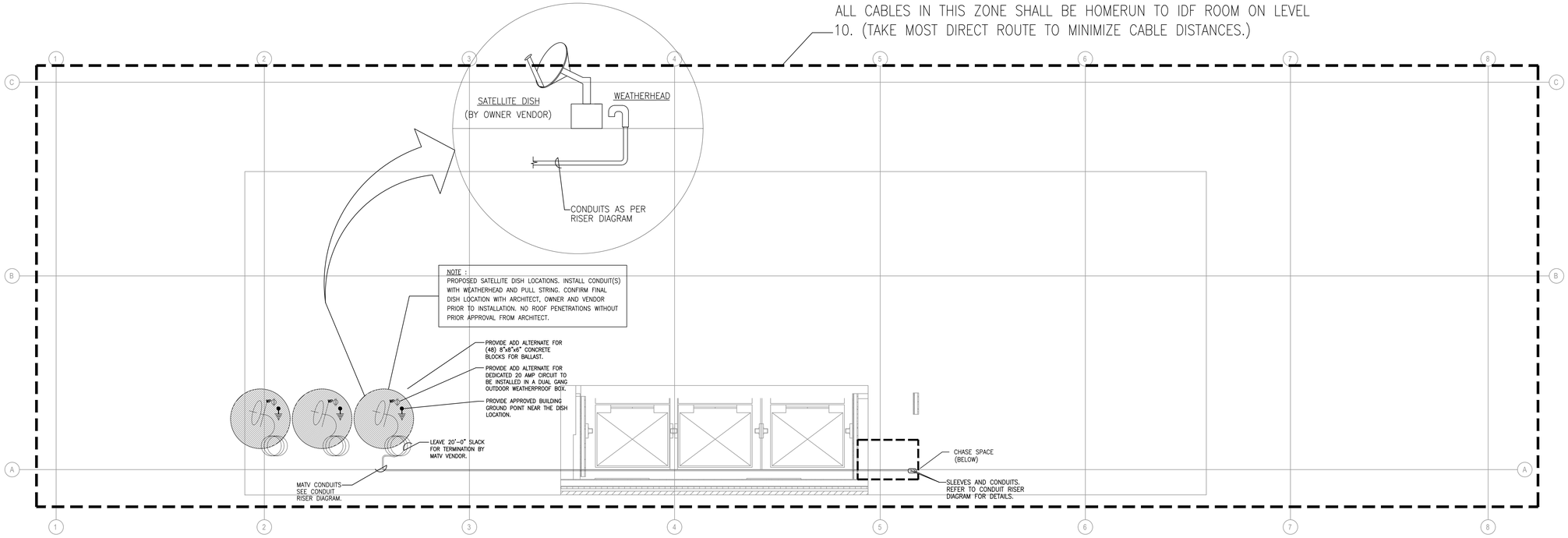
PROJECT NO.

SHEET TITLE
BAY WINDOW ALTERNATE -DATA/VOICE

SHEET NUMBER
DV-108



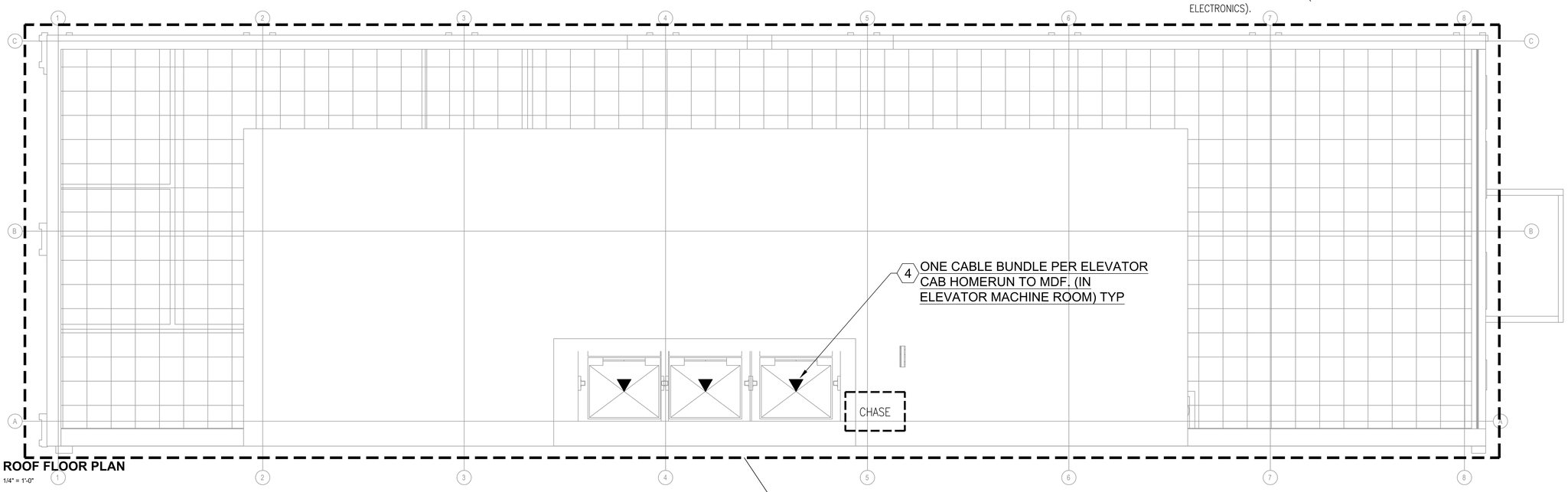
E1 / A-108 **PENTHOUSE ROOF PLAN**
1/4" = 1'-0"

GENERAL NOTES:

1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL DATA OUTLETS EXCEPT WIRELESS NODES REQUIRE POWER OUTLET IN CLOSE PROXIMITY. (WITHIN ONE STUD CAVITY).
4. NO DRILLING, CORING OR "SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
5. ALL CONDUITS SHALL CONTAIN PULL STRINGS.

KEY NOTES:

1. COORDINATE OUTLET LOCATION/HEIGHT WITH ID DRAWINGS.
2. WIRELESS NODES SHALL HAVE A 25' SERVICE LOOP AND SHALL BE MOUNTED WITHIN REACH OF ACCESSIBLE CEILING SPACE OR BEHIND ACCESS PANEL.SEE DETAIL 7/DV906 FOR PROPOSED ACCESS PANEL.
3. (1) 2" CONDUIT TO WALL AND TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO DESTINATION CLOSET. COORDINATE WITH ELECTRICAL DRAWINGS.
4. (1) CAT-6 4 PR. CABLE (TELEPHONE/DATA).
   (1) RG-6 COAX(MATV/CATV),
   (1) 22/ 6 CONDUCTOR SHIELDED (CARD READER).
   (1) RG-59 COAX. (CCTV)
   COORDINATE TERMINATION IN EMR WITH ELEVATOR VENDOR. CAB DISPLAY VENDOR TO INSTALL ETHERNET CONVERTERS IN EMR TO MAKE CONNECTION BETWEEN TRAVEL CABLE AND CAT-6 CABLE. PROVIDE ADD ALTERNATE PRICE FOR INSTALLATION OF CE ELECTRONICS ELBNK-BMX (VERIFY PART NUMBER WITH CE ELECTRONICS).



B1 / A-108 **ROOF FLOOR PLAN**
1/4" = 1'-0"

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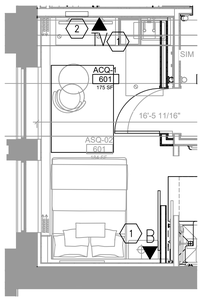
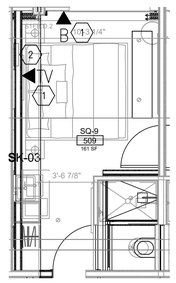
PROJECT NO.

SHEET TITLE
ROOF PLANS
-DATA/VOICE

SHEET NUMBER
DV-109



1 DV400 ACQ-1
SCALE : NTS



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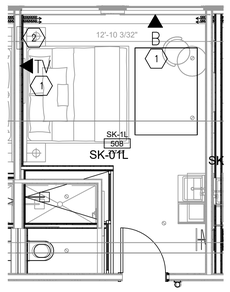

3 DV400 BQ-1
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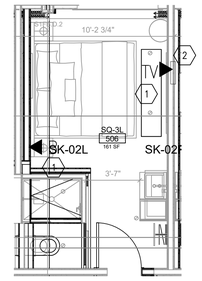
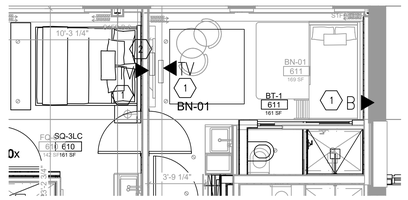


4 DV400 SQ-1L
SCALE : NTS



5 DV400 CK-4
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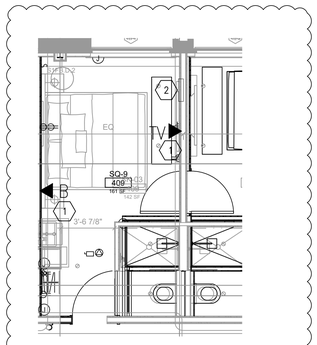

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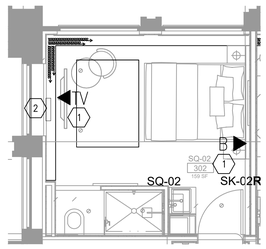

7 DV400 CK-1
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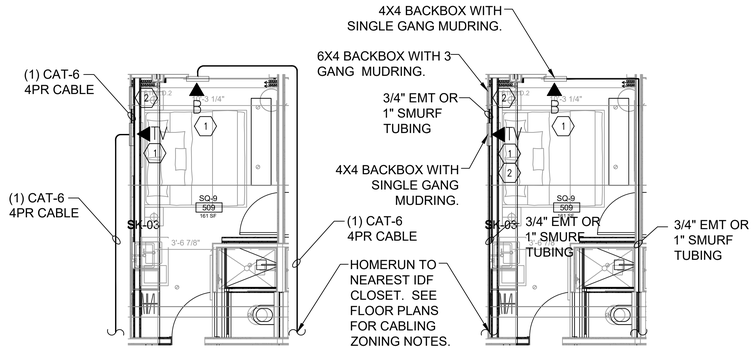
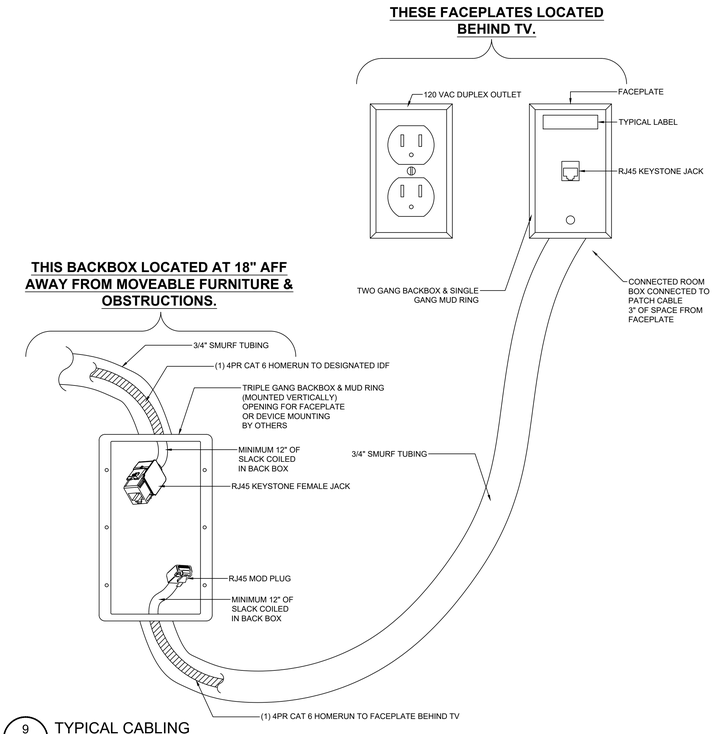


BASE SCOPE-CABLING

DEPICTING CONDUIT PATHWAYS

8 DV400 TYPICAL CABLING
SCALE : NTS



9 DV400 TYPICAL CABLING
SCALE : NTS

GENERAL NOTES:

1. ALL MATV CABLE RUNS THAT EXCEED 150' SHALL BE RUN WITH RG-11 CABLE. CONTRACTOR TO FIELD VERIFY FINAL CABLE RUN LENGTH.
2. ALL MATV CABLE SHALL BE TERMINATED WITH COMPRESSION-TYPE CONNECTORS.
3. ALL OUTLET LOCATIONS ARE SHOWN FOR REFERENCE ONLY. OUTLETS HEIGHT SHALL BE COORDINATED WITH ID DRAWING
4. SEE DV901 & DV902 FOR CONDUIT/CABLING REQUIREMENTS.
5. REFER TO ARCHITECTURAL AND I.D. DRAWINGS FOR EXACT OUTLET LOCATIONS.
6. NO DRILLING, CORING OR " SHOOTING" OF FASTENERS INTO SLAB ALLOWED WITHOUT PRIOR WRITTEN CONSENT FROM STRUCTURAL ENGINEER.
7. ALL OUTLETS MOUNTING HEIGHTS/DIMENSIONS SHOULD BE VERIFIED/CROSS-CHECKED WITH ARCHITECTURAL/I.D. DRAWINGS.
8. ALL TELEPHONE, DATA AND MATV OUTLETS REQUIRE A 4"x4" BOX AND A SINGLE GANG MUD RING. NON GUESTROOM OUTLETS REQUIRE 3/4" EMT CONDUIT TO DESTINATION IDF OR TO ACCESSIBLE CEILING SPACE CONTIGUOUS TO SAME. ALL CONDUITS REQUIRE PULL STRING (BY GENERAL CONTRACTOR).
9. ALL DATA/TV OUTLETS REQUIRE POWER OUTLET IN CLOSE PROXIMITY (WITHIN 1 STUD-CAVITY).

KEY NOTES:

1 COORDINATE MOUNTING HEIGHT AND LOCATION WITH ID DRAWINGS.

2 LOCATION OF WAP.

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SEAL | DATE

SHEET ISSUE

1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	100% CD	02/28/2025

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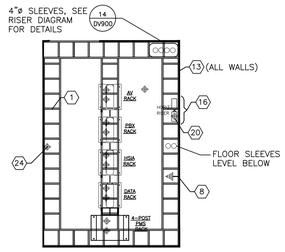
PROJECT NO.

SHEET TITLE
TYPICAL GUESTROOM LAYOUTS -DATA/VOICE

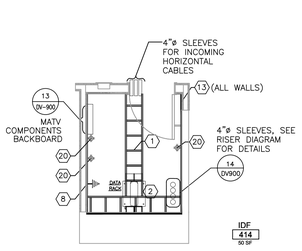
SHEET NUMBER
DV-400

ALL EQUIPMENT ROOMS ON EMERGENCY POWER CIRCUITS



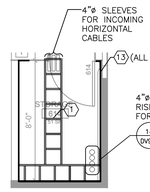
SPACE REQUIREMENTS :
HVAC – ESTIMATE HEAT LOAD – 24,000 BTU/H, FOR DATA, TELE., MATV AND AV EQUIPMENT ONLY, MAINTAIN 68°F, MAX. 50% RH. DEDICATED THERMOSTAT, STAND–ALONE SYSTEM.
– GROUNDING BUS BAR, CONNECTED TO TELECOM GROUNDING SYSTEM.

1	MDF/AV ROOM LAYOUT (LEVEL 01)
DV-900	SCALE : 1/4" = 1'-0"

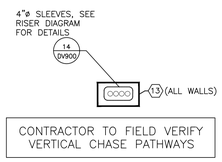


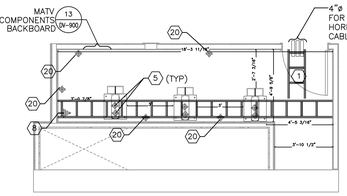
SPACE REQUIREMENTS :
HVAC – ESTIMATE HEAT LOAD – 4,000 BTU/H, FOR DATA, TELE., MATV AND AV EQUIPMENT ONLY, MAINTAIN 68°F, MAX. 50% RH. DEDICATED THERMOSTAT, STAND–ALONE SYSTEM.
– GROUNDING BUS BAR, CONNECTED TO TELECOM GROUNDING SYSTEM.

2	IDF (LEVELS 4, 7, & 10)
DV-900	SCALE : 1/4" = 1'-0"



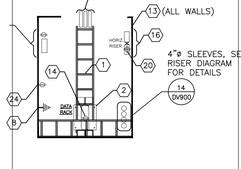
3	CHASE (LEVELS 5,6,8, & 9)
DV-900	SCALE : 1/4" = 1'-0"





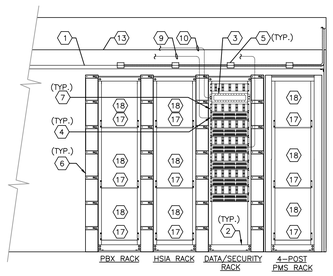
SPACE REQUIREMENTS :
HVAC – ESTIMATE HEAT LOAD – 8,000 BTU/H, FOR DATA, TELE., MATV AND AV EQUIPMENT ONLY, MAINTAIN 68°F, MAX. 50% RH. DEDICATED THERMOSTAT, STAND–ALONE SYSTEM.
– GROUNDING BUS BAR, CONNECTED TO TELECOM GROUNDING SYSTEM.

4	CHASE LAYOUT (LEVEL 2,3, & 12)
DV-900	SCALE : 1/4" = 1'-0"

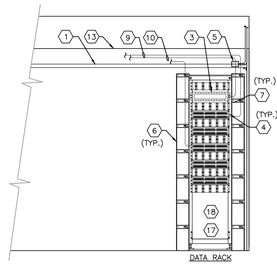


5	IDF LEVEL 11 [1108A]
DV-900	SCALE : 1/4" = 1'-0"

7	NOT USED
DV-900	SCALE : 1/4" = 1'-0"

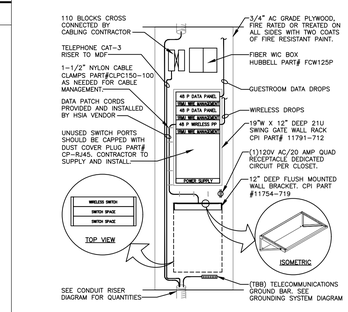


9	FRONT VIEW - RACK ELEVATION
DV-900	NOT TO SCALE

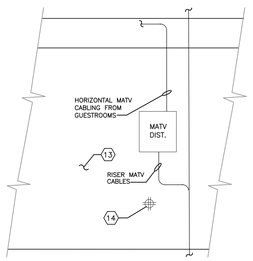


10	FRONT VIEW - RACK ELEVATION
DV-900	NOT TO SCALE

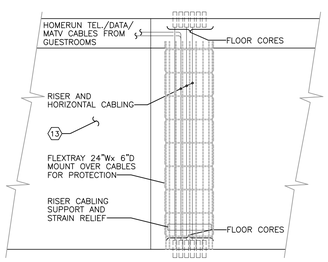
11	
DV-900	NOT TO SCALE



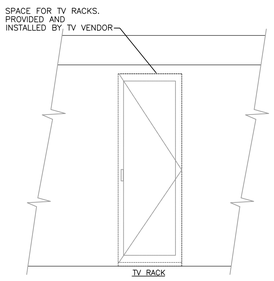
12	WALL MOUNT RACK ELEVATION (Option 2)
DV-900	NOT TO SCALE



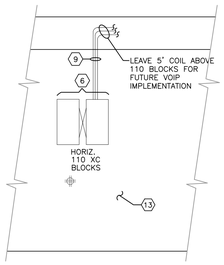
13	MATV BACKBOARD ELEVATION
DV-900	NOT TO SCALE



14	CHASE BACKBOARD ELEVATION
DV-900	NOT TO SCALE



15	TV RACKS ELEVATION
DV-900	NOT TO SCALE



16	110 BLOCKS ELEVATION
DV-900	NOT TO SCALE

17	
DV-900	NOT TO SCALE

GENERAL NOTES

1.) ALL HORIZONTAL TO BACKBONE CROSS CONNECTING TO BE PERFORMED BY CABLING CONTRACTOR. REFER TO DETAILS FOR CROSS–CONNECTING REQUIREMENTS FOR TELEPHONE PATCHING SYSTEM PATCH PANELS.

2.) HEAT LOADS LISTED HEREIN REPRESENT KNOWN LOADS FOR DATA/TEL. SYSTEM EQUIPMENT IN RESPECTIVE ROOMS AT TIME OF DESIGN. MECHANICAL SYSTEMS DESIGNER SHOULD VERIFY HEAT LOADS WITH OTHER DESIGNERS FOR SHARED EQUIPMENT SPACES. MECHANICAL SYSTEMS ARE TO BE SIZED BY MECHANICAL ENGINEER AND SPECIFIED ON MECHANICAL

3.) HVAC SYSTEMS FOR EQUIPMENT ROOMS SHALL BE DEDICATED SYSTEMS. WHERE NOT FEASIBLE,

4.) ROOMS SHALL BE ON DEDICATED ZONE WITH INDEPENDENT THERMOSTAT CONTROL.

5.) ALL EQUIPMENT ROOMS SHALL HAVE:
- NO CEILING TILES.
- TILE OR SEALED CONCRETE FLOOR (NO CARPET).
- NO WATER LEAK POTENTIAL SPACES ABOVE (POOL, KITCHEN, BATHROOM, ETC.).
- HIGH–TEMP FIRE PROTECTION HEADS.

6.) RACK ELEVATIONS ARE SHOWN FOR REFERENCE ONLY. CABLING CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING APPROPRIATE NUMBER OF PANELS AS NECESSARY TO TERMINATE ALL HORIZONTAL AND BACKBONE CABLES WITHIN EACH TEL./ELEC.–IDF AND EQUIPMENT ROOM.

LAN CLOSET INSTALLATION NOTES

1.) THE LAN COMPUTER/TELEPHONE RM. SHALL HAVE APPROPRIATE NUMBER OF EQUIPMENT RACKS INSTALLED AS PER DRAWINGS. RACKS SHALL BE CPI #55053–503 OR EQUIVALENT. FLOOR RACKS MUST BE FASTENED TO CONC. FLOOR, AND FASTENED TO LADDER RACK WITH PROPER CPI HARDWARE. ALL RACKS & FRAMES SHALL BE INSTALLED ACCORDING TO ALL APPLICABLE LOCAL BUILDING CODES.

2.) PATCH PANELS SHALL BE 48–PORT HIGH–DENSITY, 2U AND SHALL BE INSTALLED IN EQUIPMENT RACKS AS SHOWN ON ELEVATIONS.CONTRACTOR SHALL INSTALL PANELS IN SUFFICIENT QUANTITY & PORT CONFIGURATION TO TERMINATE ALL INCOMING HORIZONTAL DATA CABLES AND TELEPHONE PATCH SYSTEM CABLES. ADMIN. OUTLET DATA CABLES TO BE TERMINATED ON DEDICATED PATCH PANELS.

3.) EQUIPMENT RACKS MUST BE SUPPORTED OVERHEAD WITH 18"(W) x 6"(D) CABLE TRAY FROM RACKS TO WALL ACCORDING TO PLANS CODES. DRAWING DETAILS. CABLE TRAY TO BE MP HUSKY OR EQUIVALENT. LADDER RACK MAY BE USED IN IDF ROOMS WITH CEILINGS LESS THAN 8'–0". MAINTAIN A MINIMUM OF 18" CLEARANCE FROM ANY OVERHEAD SPRINKLER SYSTEMS.

4.) VERTICAL WIRE MANAGEMENT SHALL BE CPI#11729–503, TO BE USED BETWEEN EACH RACK AND ON ENDS OF RACK(S).

5.) HORIZONTAL WIRE MANAGEMENT, 2 RACK UNITS (3.5"), TO BE USED BETWEEN EACH PATCH PANEL, ABOVE THE TOP PANEL & BELOW THE BOTTOM PANEL FOR EACH PANEL LINEUP.

6.) A 70" CPI POWER STRIP WITH A MINIMUM OF (10) OUTLETS SHALL BE FASTENED VERTICALLY TO THE REAR OF CPI RACKS TO PROVIDE POWER TO EQUIPMENT. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF POWER RECEPTACLES. COORDINATE INSTALLATION OF POWER SUPPLY CIRCUITS WITH ELECTRICAL CONTRACTOR. ONE CIRCUIT PER IS REQUIRED. ELECTRICAL CONTRACTOR TO STRAP CONDUIT TO UNDERSIDE OF LADDER RACK WITH PROPER INSTALLATION METHOD AND HARDWARE. POWER CABLES FROM EQUIPMENT RACK TO WALL OUTLETS WILL NOT BE PERMITTED.

7.) ALL IDF & MDF CROSS–CONNECT FIELDS SHALL BE OF THE 110 TYPE BLOCKS IN A SUFFICIENT QUANTITY TO FULLY TERMINATE ALL HORIZONTAL VOICE CABLES. VERTICAL CROSS–CONNECT CABLE MANAGEMENT TROUGHS MANUFACTURED BY THE SAME MANUFACTURER AS THE 110 BLOCKS MUST BE USED BETWEEN 110 BLOCKS AND VERTICAL BLOCK ARRAYS. D–RINGS WILL NOT BE PERMITTED FOR CABLE MANAGEMENT IN THE 110 BLOCK FIELD. REAR CABLE TROUGH TYPE ARRANGEMENT IS REQUIRED FOR THE 110 BLOCKS. REAR FEED AND CABLE DRESSING IN THE CABLE TROUGHS IS REQUIRED FOR ALL CABLE, BOTH WORKSTATION AND RISERS.

8.) ALL EQUIPMENT RACKS AND HARDWARE MUST BE GROUNDED PER TIA/EIA & NEC GUIDELINES. RACKS SHALL HAVE VERTICAL GROUND STRIPS.

KEYED NOTES

1 (1) 18"(WIDE) LADDER RACK. MOUNT ABOVE EQUIPMENT RACKS. INSTALLED BY CABLING CONTRACTOR.

2 FLOOR MOUNTED EQUIPMENT RELAY RACK, 7'(H) x 19"(W) BLACK, (CPI #55059–703) OR APPROVED EQUIVALENT.

1 3 RACK MOUNT FIBER ENCLOSURE LOADED WITH 'LC' MULTIMODE BULKHEADS – SUPPLY AS NEEDED TO TERMINATE ALL INCOMING/OUTGOING FIBER CABLES.

4 48 PORT CAT–6 DATA PATCH PANEL RACK MOUNTED SUPPLY AS NEEDED TO TERMINATE ALL INCOMING HORIZONTAL DATA CABLES AND DATA RISER CABLES. (CAT–3 RATED PANELS MAY BE USED FOR "TELEPHONE TRUNK PANELS").

5 120V AC/120 TWIST LOCK OUTLET. ON DEDICATED EMERGENCY POWER & EQUIPMENT POWER CIRCUITS, SUPPLY ONE PER RACK, COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR.

6 VERTICAL CABLE MANAGER (CPI #11729–703) WITH COVER (CPI #12188–001) OR APPROVED EQUIVALENT.

7 2 UNIT HORIZONTAL CABLE MANAGER, 3.5" HIGH RACK MOUNTED.

8 GROUND BUS BAR FOR COMMUNICATIONS EQUIPMENT GROUND.

9 INCOMING 4 PAIR, CAT–6, HORIZONTAL CABLES.

10 INCOMING FIBER CABLES, SEE CABLING RISER DIAGRAM FOR EXACT REQUIREMENTS.

11 TELEPHONE TRUNK PANEL SEE 12/DV9.05. SUPPLY AS NEEDED TO ACCOMMODATE ALL ANALOG CABLES.

12 20A RATED 70" POWER STRIP (CPI #12851–758) WITH FACTORY INSTALLED 20A TWIST LOCK PLUG AND WITH 6.5" STAND OFF BRACKETS, SEE DETAIL 1/DV904.

13 3/4" AC GRADE PLYWOOD, 8 FEET HIGH, FIRE RATED OR TREATED ON ALL SIDES WITH TWO COATS OF FIRE RESISTANT PAINT TYPICAL TO ALL WALLS.

14 20 AMP 120VAC 5–20 R QUAD RECEPTACLE ON DEDICATED CIRCUIT.

15 30 AMP (L6–30R). DUPLEX RECEPTACLE ON DEDICATED CIRCUIT. COORDINATE FINAL REQUIREMENTS WITH MATV SERVICE PROVIDER.

16 300 OR 900 PAIR CAT–6 RATED 110 XC BLOCKS, MOUNTED IN CROSS–CONNECT DISTRIBUTION FRAMES WITH VERTICAL CABLE MANAGEMENT FRAMES BETWEEN, SUPPLY AS NEEDED.

17 DOUBLE SIDED SHELF, MIN. 21" DEEP, CENTER LOADED (CPI 40108–719).

18 RACKS AND/OR RACK SPACE TO BE LEFT OPEN TO BE POPULATED BY OTHERS.

19 AV CABINET, SEE AV DIAGRAMS FOR DETAILS.

20 20 AMP 120VAC. DUPLEX RECEPTACLE ON DEDICATED CIRCUIT.

21 COORDINATE WITH AV DRAWINGS.

22 4–POST PMS RACK. PMS SYSTEM FLOOR MOUNT CPI 15218–703.

23 WALL MOUNTED RACK

24 (1) 120VAC, 20 AMP DUPLEX CONVIENIENCE OUTLET AT 6' INTERVALS AROUND THE ROOM.

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1 2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
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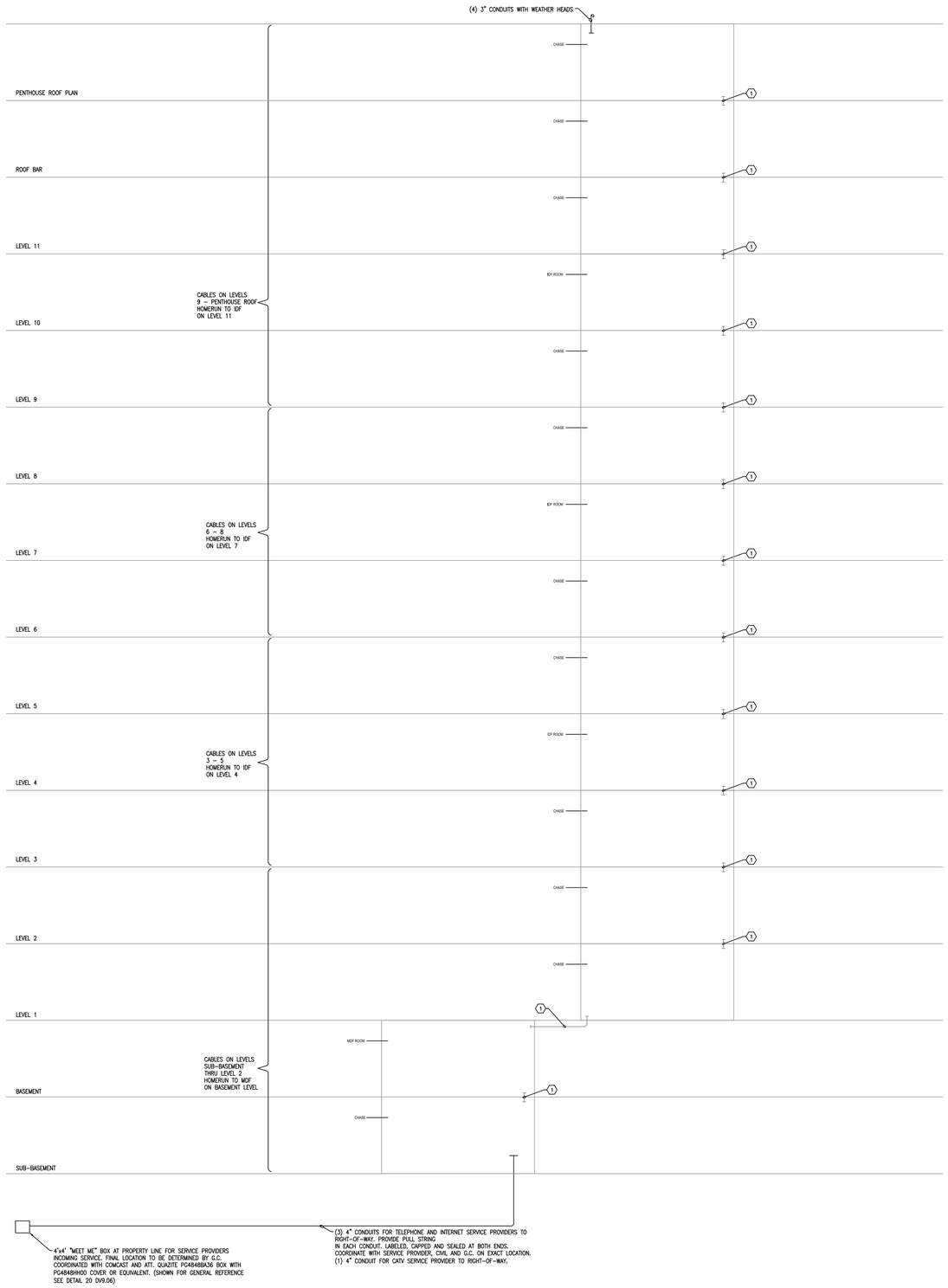
PROJECT NO.

SHEET TITLE
ENLARGED EQUIPMENT ROOM LAYOUTS -DATA/VOICE

SHEET NUMBER
DV-900



KEYED NOTES:

① (4) 4"ø FLOOR CORES WITH SLEEVES.

② (3) 4" CONDUITS.

③ (2) 4"ø FLOOR CORES WITH SLEEVES.

④ (4) 4"ø FLOOR CORES WITH SLEEVES.

⑤ (3) 4" CONDUITS IN SLAB.

GENERAL NOTES:

1. ALL CONDUITS, OUTLET BOXES AND SLEEVES TO BE INSTALLED BY GENERAL CONTRACTOR. ALL CONDUITS TO BE INSTALLED WITH PULL STRINGS AND LABELED ON BOTH ENDS WITH DESTINATION.

2. INSTALLER IS RESPONSIBLE FOR PROVIDING ALL CABLE, CONNECTORS, CABLE MANAGEMENT HARDWARE, PATCH PANELS, RACKS, GROUNDING HARDWARE AND/OR MOUNTING BRACKETS AMP/TAPS AND ANY OTHER RELATED PRODUCTS OR HARDWARE REQUIRED TO DELIVER COMPLETED SYSTEM TO CLIENT.

3. ALL RISER CABLES TO BE PLENUM RATED UNLESS ROUTED THROUGH CONTIGUOUS CONDUIT PATHWAY.

NOTE: THIS DRAWING IS TO COMMUNICATE DESIGN INTENT.ANY CABLING PATHWAYS SHOWN REPRESENT A POTENTIAL ROUTE AS DETERMINED AT THE TIME OF DESIGN AND MAY NOT NECESSARILY BE THE OPTIMAL PATHWAY, DEPENDING UPON ACTUAL FIELD CONDITIONS. ALL CABLING PATHWAYS MUST BE FIELD VERIFIED. IT IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE OPTIMAL CABLING PATHWAYS BASED UPON FIELD CONDITIONS, CODE COMPLIANCE AND COORDINATION WITH OTHER TRADES. FOR RENOVATION PROJECTS, IT IS IMPERATIVE THAT THE CONTRACTOR VERIFY ALL CABLING PATHWAYS PRIOR TO SUBMITTING THEIR BID. THE OWNER WILL NOT BE RESPONSIBLE FOR TIME ASSOCIATED WITH FIELD VERIFICATION EFFORTS FOR DETERMINING MOST VIABLE CABLING PATHWAYS.

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NTI JOB NO. 19-7533

SEAL | DATE

SHEET ISSUE

1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	100% CD	02/28/2025

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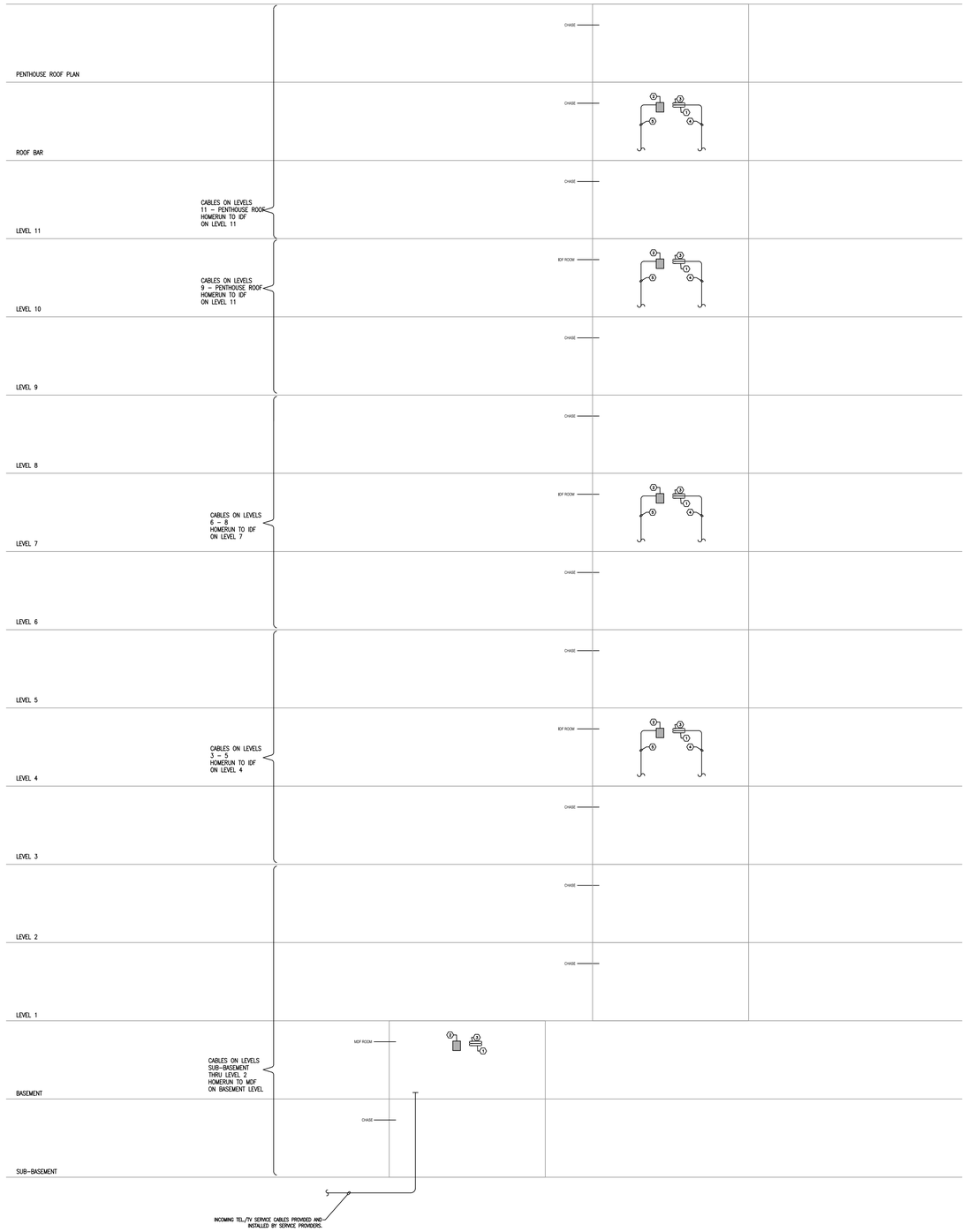
PROJECT NO.

SHEET TITLE
CONDUIT RISER DIAGRAM -DATA/VOICE

SHEET NUMBER
DV-901



KEYED NOTES:

① DATA/PATCH PANEL FOR HORIZONTAL DATA & WIRELESS NODE BACKBONE & COPPER DATA CABLES. SUPPLY IN AMPLE PORT QUANTITIES AS NEEDED TO TERMINATE ALL INCOMING DATA CABLES.

② 110 BLOCK IN DISTRIBUTION FRAMES FOR BACKBONE, D-MARC EXTENSION AND HORIZONTAL CABLES – SEE DETAIL 2/DV901 CROSS CONNECTS TO BE DONE BY CABLING CONTRACTOR TOO PROVIDE CONTINUITY FROM JACK TO MDF BLOCKS.

③ FIBER OPTIC ENCLOSURE WITH LC PANEL AND DATA PATCH PANEL

④ (1) 12 STRAND SM FIBER CABLE PIGTAIL FUSION SLICE W/ AP/SC CONNECTORS
(1) 12 STRAND MM FIBER CABLE PIGTAIL FUSION SPLICE W/LC CONNECTORS

⑤ (1) 50 PAIR CAT 3 RISER – HOMERUN TO MAIN TELEPHONE ROOM.

⑥ (6) RG-11 COAX. MOUNT TAPS AND AMPS ON BACKBOARD.

⑦ MATV TAPS, AMPS, ETC. PROVIDED AND INSTALLED BY CABLING CONTRACTOR AS PART OF THIS SCOPE OF WORK. SEE MATV SYSTEM SPECIFICATIONS ON SHEET DV000.

⑧ (12) RG-11 TO SATELLITE DISH ON ROOF. INDOOR RATED CABLES TO BE CMR OR CMP PER LOCAL CODES – FEEDS FROM TOP FLOOR TO ROOF TO BE OUTDOOR RATED.

⑨ RG-6 OR RG-11(150') CABLE FROM TV OUTLET.

⑩ (1) 264 STRAND SM FIBER CABLE
(1) 264 STRAND MM FIBER CABLE
(1) 25 PAIR CAT 3 RISER – HOMERUN TO MAIN TELEPHONE ROOM.

⑪ TERMINATE CAT 3 CABLES ONTO PATCH PANELS

GENERAL NOTES:

1. ALL CONDUITS, OUTLET BOXES AND SLEEVES TO BE INSTALLED BY GENERAL CONTRACTOR. ALL CONDUITS TO BE INSTALLED WITH PULL STRINGS AND LABELED ON BOTH ENDS WITH DESTINATION.

2. INSTALLER IS RESPONSIBLE FOR PROVIDING ALL CABLE, CONNECTORS, CABLE MANAGEMENT HARDWARE, PATCH PANELS, RACKS, GROUNDING HARDWARE AND/OR MOUNTING BRACKETS AMP/TAPS AND ANY OTHER RELATED PRODUCTS OR HARDWARE REQUIRED TO DELIVER COMPLETED SYSTEM TO CLIENT.

3. ALL RISER CABLES TO BE PLENUM RATED UNLESS ROUTED THROUGH CONTIGUOUS CONDUIT PATHWAY.

NOTE: THIS DRAWING IS TO COMMUNICATE DESIGN INTENT.ANY CABLING PATHWAYS SHOWN REPRESENT A POTENTIAL ROUTE AS DETERMINED AT THE TIME OF DESIGN AND MAY NOT NECESSARILY BE THE OPTIMAL PATHWAY, DEPENDING UPON ACTUAL FIELD CONDITIONS. ALL CABLING PATHWAYS MUST BE FIELD VERIFIED. IT IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE OPTIMAL CABLING PATHWAYS BASED UPON FIELD CONDITIONS, CODE COMPLIANCE AND COORDINATION WITH OTHER TRADES. FOR RENOVATION PROJECTS, IT IS IMPERATIVE THAT THE CONTRACTOR VERIFY ALL CABLING PATHWAYS PRIOR TO SUBMITTING THEIR BID. THE OWNER WILL NOT BE RESPONSIBLE FOR TIME ASSOCIATED WITH FIELD VERIFICATION EFFORTS FOR DETERMINING MOST VIABLE CABLING PATHWAYS.

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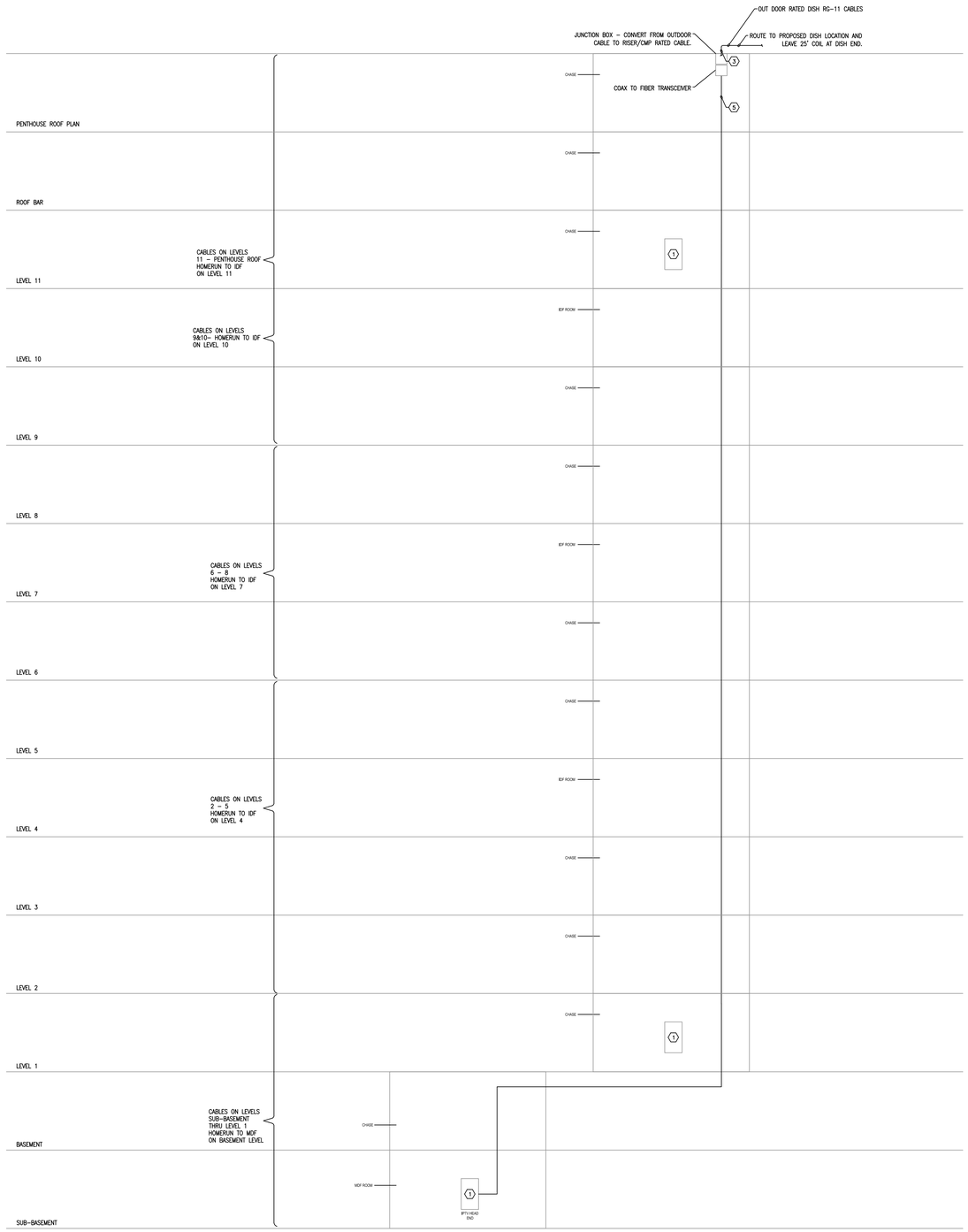
PROJECT NO.

SHEET TITLE
DATA RISER DIAGRAM -DATA/VOICE

SHEET NUMBER
DV-902



KEYED NOTES:

1. (6) RG-11 COAX. MOUNT TAPS AND AMPS ON BACKBOARD.
2. MATV TAPS, AMPS, ETC. PROVIDED AND INSTALLED BY CABLING CONTRACTOR AS PART OF THIS SCOPE OF WORK. USE FIBER TO CO COAX CONVERTORS FOR PUBLIC TVS
3. (12) RG-11 TO SATELLITE DISH ON ROOF. INDOOR RATED CABLES TO BE CMR OR CMP PER LOCAL CODES – FEEDS FROM TOP FLOOR TO ROOF TO BE OUTDOOR RATED.
4. CAT 6 CABLE FROM TV OUTLET.
5. (12) SINGLE MODE FIBER STRANDS HOMERUN TO MATV HEADEND IN MDF. FIBER SHALL HAVE SM WITH PIGTAIL FUSION SPICE WITH AP/SC FIBER CONNECTORS.

GENERAL NOTES:

1. ALL CONDUITS, OUTLET BOXES AND SLEEVES TO BE INSTALLED BY GENERAL CONTRACTOR. ALL CONDUITS TO BE INSTALLED WITH PULL STRINGS AND LABELED ON BOTH ENDS WITH DESTINATION.
2. INSTALLER IS RESPONSIBLE FOR PROVIDING ALL CABLE, CONNECTORS, CABLE MANAGEMENT HARDWARE, PATCH PANELS, RACKS, GROUNDING HARDWARE AND/OR MOUNTING BRACKETS AMP/TAPS AND ANY OTHER RELATED PRODUCTS OR HARDWARE REQUIRED TO DELIVER COMPLETED SYSTEM TO CLIENT.
3. ALL RISER CABLES TO BE PLENUM RATED UNLESS ROUTED THROUGH CONTIGUOUS CONDUIT PATHWAY.

NOTE: THIS DRAWING IS TO COMMUNICATE DESIGN INTENT.ANY CABLING PATHWAYS SHOWN REPRESENT A POTENTIAL ROUTE AS DETERMINED AT THE TIME OF DESIGN AND MAY NOT NECESSARILY BE THE OPTIMAL PATHWAY, DEPENDING UPON ACTUAL FIELD CONDITIONS. ALL CABLING PATHWAYS MUST BE FIELD VERIFIED. IT IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE OPTIMAL CABLING PATHWAYS BASED UPON FIELD CONDITIONS, CODE COMPLIANCE AND COORDINATION WITH OTHER TRADES. FOR RENOVATION PROJECTS, IT IS IMPERATIVE THAT THE CONTRACTOR VERIFY ALL CABLING PATHWAYS PRIOR TO SUBMITTING THEIR BID. THE OWNER WILL NOT BE RESPONSIBLE FOR TIME ASSOCIATED WITH FIELD VERIFICATION EFFORTS FOR DETERMINING MOST VIABLE CABLING PATHWAYS.

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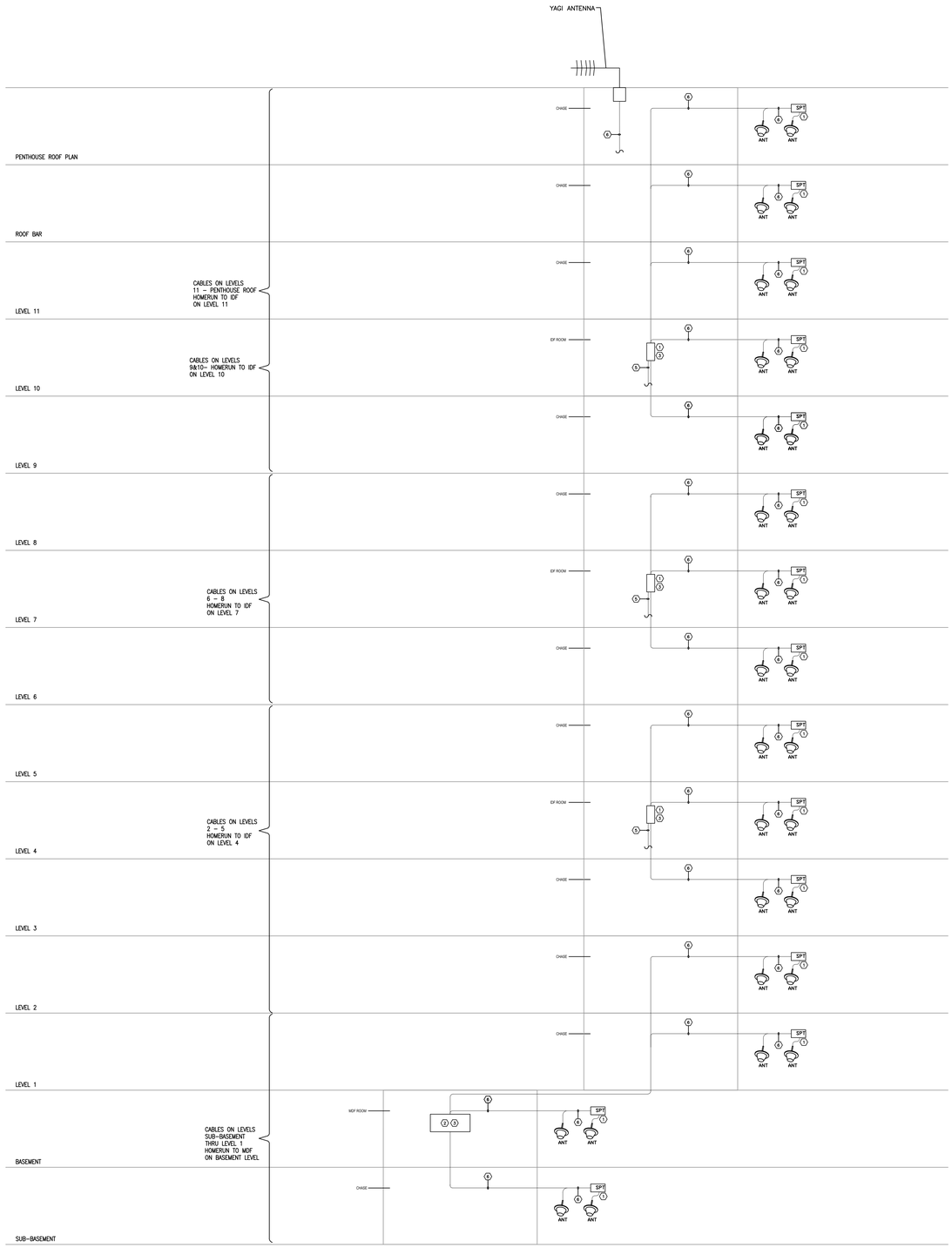
PROJECT NO.

SHEET TITLE
MATV RISER DIAGRAM -DATA/VOICE

SHEET NUMBER
DV-903



KEYED NOTES:

1. SPLITTER
2. FIRE ALARM MODULE BDA MONITOR (FIRE PANEL)
3. UPS MODULE (12 HOUR)
4. ANTENNA
5. BACKBONE CABLE HOMERUN TO MDF ROOM
6. HORIZONTAL CABLE – 1 1/4" CONDUIT PATHWAY REQUIRED. CONDUIT TO BE EMBEDDED IN SLAB TO MEET 2 HOUR SURVIVALABILITY REQUIREMENTS

GENERAL NOTES:

1. ALL CONDUITS, OUTLET BOXES AND SLEEVES TO BE INSTALLED BY GENERAL CONTRACTOR. ALL CONDUITS TO BE INSTALLED WITH PULL STRINGS AND LABELED ON BOTH ENDS WITH DESTINATION.
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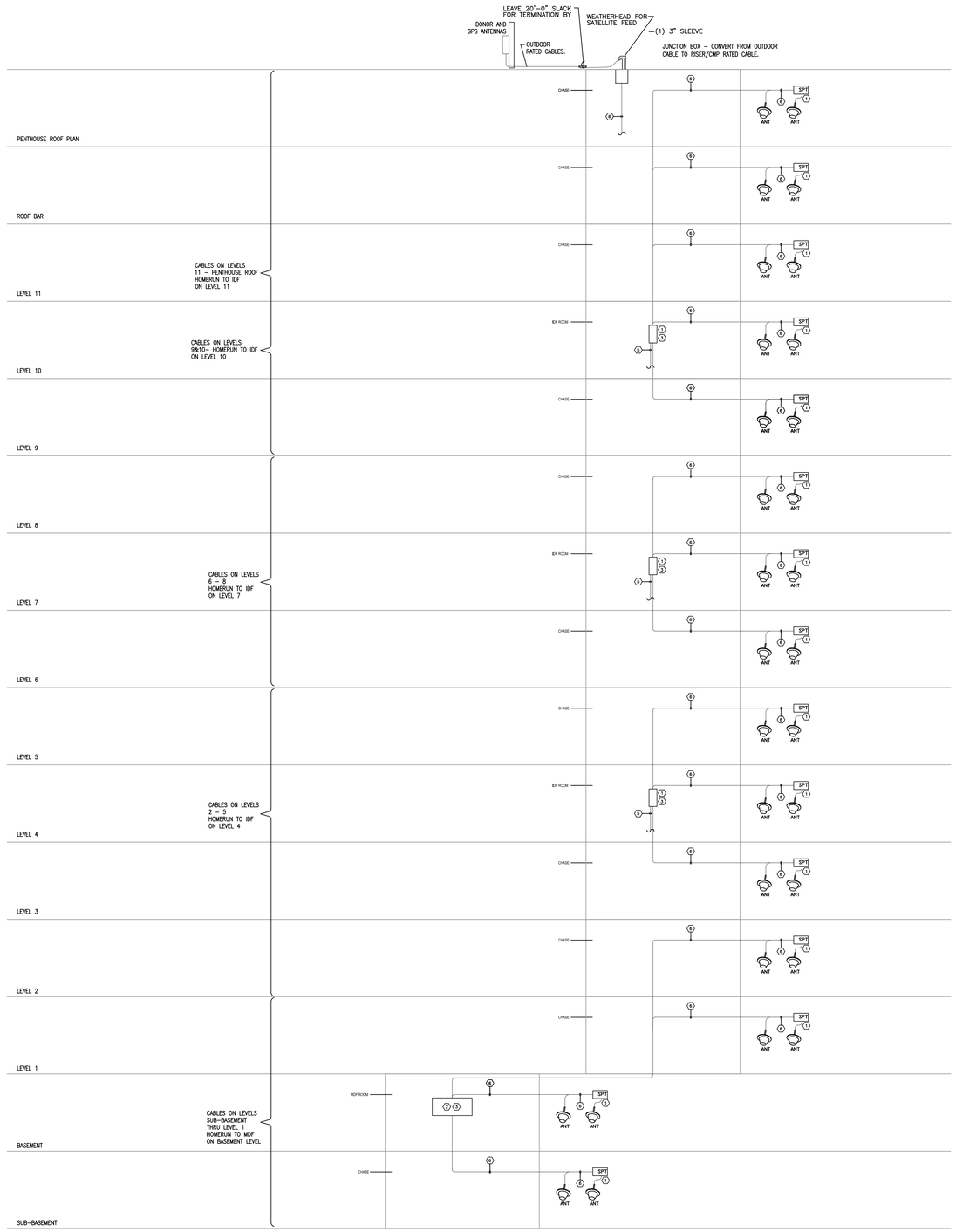
PROJECT NO.

SHEET TITLE

FIRST RESPONDERS RISER DIAGRAM -DATA/VOICE

SHEET NUMBER

DV-904



KEYED NOTES:

1. SPLITTER
2. BI-DIRECTIONAL AMPLIFIER/REPEATER (BDA) & GPS FIBER BASE UNIT. FIBER DISTRIBUTION HEAD-END
3. UPS MODULE (12 HOUR)
4. ANTENNA
5. 48 STRAND SINGLE MODE FIBER RISER, BACKBONE CABLING HOMERUN TO MAIN DAS ROOM.

⬡ HELIAX COAX CABLE

GENERAL NOTES:

1. ALL CONDUITS, OUTLET BOXES AND SLEEVES TO BE INSTALLED BY GENERAL CONTRACTOR. ALL CONDUITS TO BE INSTALLED WITH PULL STRINGS AND LABELED ON BOTH ENDS WITH DESTINATION.
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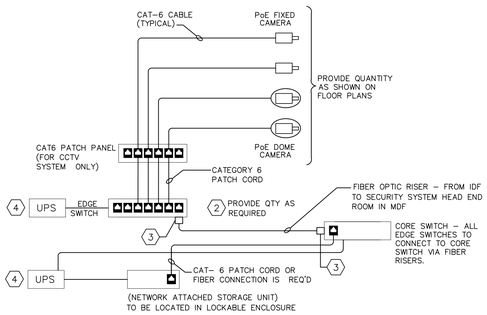
PROJECT NO.

SHEET TITLE

DAS RISER DIAGRAM -DATA/VOICE

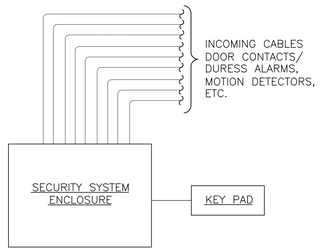
SHEET NUMBER

DV-905



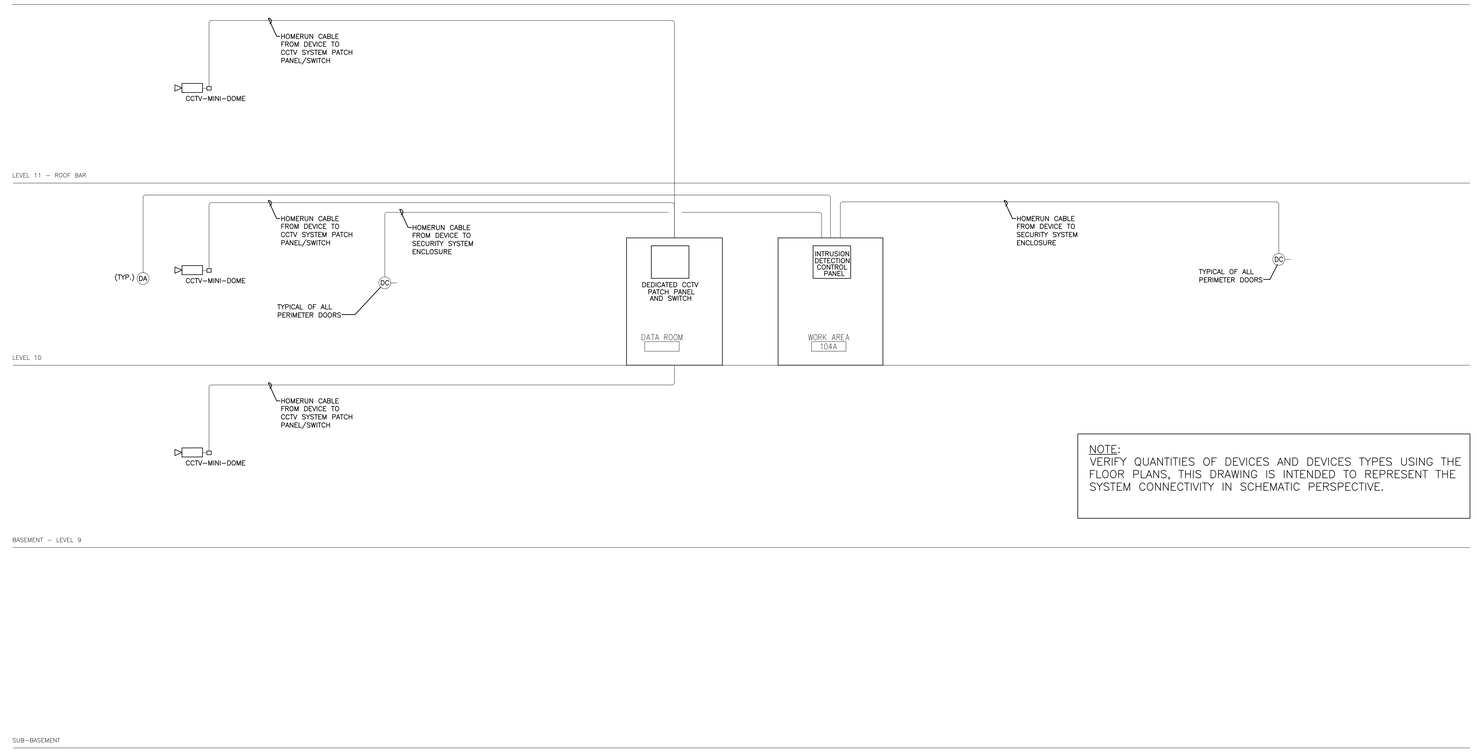
PROVIDE UPS AT EACH IDF AND AT NVR AND SECURITY CONSOLE LOCATIONS FOR CCTV EQUIPMENT.

2	SECURITY SYSTEM SCHEMATIC ONE LINE DIAGRAM
DV906	NOT TO SCALE



NOTE :
1.) SEE BOX THIS SHEET FOR INTRUSION DETECTION SYSTEM OPERATION GUIDELINES.

3	ALARM SYSTEM SCHEMATIC DIAGRAM
DV906	NOT TO SCALE



NOTE:
VERIFY QUANTITIES OF DEVICES AND DEVICES TYPES USING THE FLOOR PLANS, THIS DRAWING IS INTENDED TO REPRESENT THE SYSTEM CONNECTIVITY IN SCHEMATIC PERSPECTIVE.

1	CCTV/ALARM SYSTEM RISER DIAGRAM
DV906	NOT TO SCALE

KEYED NOTES

1. 24" SUPER HIGH RESOLUTION COLOR MONITOR.
2. 12 OR 24–PORT 10/100 POE SMART SWITCH WITH 2–GIGABIT BACKBONE CONNECTION PORTS.
3. FIBER TO COPPER TRANSCEIVERS.
4. LOCAL UPS UNITS FOR ALL CCTV SYSTEM POWERED COMPONENTS.

MOTION DETECTOR

INCLUDE PRICING FOR THE FOLLOWING MOTION DETECTOR LOCATION:
– CEILING IN CASHIER'S OFFICE (IF APPLICABLE)

SHEET NOTE

1.)THIS DRAWING IS INTENDED TO COMMUNICATE DESIGN INTENT. AS PART OF SUBMITTAL PROCESS. INSTALLER MUST SUBMIT COMPLETE SHOP DRAWING SET DEPICTING FINAL DESIGN OF COMPETE SYSTEM.

INTRUSION DETECTION SYSTEM

1.) INTRUSION DETECTION AND HOLDUP/DURESS ALARM PANELS AND KEYPADS SHALL BE LOCATED AS SHOWN ON THE FLOOR PLANS.

2.) ALARM ANNUNCIATION SHALL OCCUR AT THE CENTRAL MONITORING STATION IN THE WORKROOM AND SHALL PROVIDE AUDIBLE AND VISUAL INDICATION OF ACTIVATION OF DOOR CONTACT ALARMS.

3.) ALL CABLING TO AND FROM CONTACTS SHALL BE CONCEALED WITHIN WALLS AND ACCESSIBLE ACCESSIBLE CEILING SPACES. PLENUM RATED CABLE SHALL BE USED THROUGHOUT.

4.) ALL FIRE RATED WALL AND FLOOR PENETRATIONS SHALL BE FIRE STOPPED PER LOCAL CODES AND ORDINANCES.

5.) UPON RECEIPT OF A DOOR CONTACT VIOLATION THE SYSTEM SHALL:
A) ACTIVATE AN AUDIBLE ALARM AT THE MAIN ALARM CONTROL PANEL.
B) PROVIDE LOCATION INFORMATION ON LCD DISPLAYS.
C) ENTER THE EVENT IN THE ALARM LOG WITH TIME AND DATE STAMP.

6.) AN ALARM CONDITION SHALL BE ACKNOWLEDGED PRIOR TO CLEARING THE ALARM. THIS SHALL BE ACCOMPLISHED AT EITHER KEYPAD LOCATION.

7.) THE AUDIBLE ALARM AT THE MAIN CONTROL PANEL SHALL BE CAPABLE OF SILENCING PRIOR TO ACKNOWLEDGMENT.

8.) THE INTRUSION DETECTION SYSTEM SHALL HAVE FOLLOWING CAPABILITIES:

GENERAL FUNCTIONS
– OPERATOR SECURITY LEVELS TO RESTRICT ACCESS TO CERTAIN INFORMATION AND CONTROL FUNCTIONS.
– REMOTE/OFFSITE MONITORING CAPABILITY.
– MANUAL OVERRIDE OF CONTACTS.
– DOOR CONTACT TIME–OF–DAY SCHEDULE FOR ACTIVATION/ DEACTIVATION.

ALARMS
– ALARM LOG WITH SUMMARY REPORTS. INCLUDES FILTERING AND SORTING OPTIONS.
– AUDIBLE TONES AT WORKSTATION IN THE EVENT OF AN ALARM.
– USER–DEFINED ALARMS AND ALARM PRIORITIES.
– DOOR OPEN FOR DEFINED PERIOD OF TIME (ADJUSTABLE) – ALL OR SELECTED SET OF DOORS.

REPORTS
– AUTOMATIC REPORT GENERATION FOR PRINTING AND DISPLAYING ON MONITOR.
– ALARM EVENT – SEARCH AND QUERY THE ALARM LOG.
– ALARM DURATION – INDICATES LENGTH OF TIME A GIVEN EVENT HAS BEEN IN ALARM.

9.) THE HOLDUP ALARM SYSTEM SHALL CONSIST OF ALARM SWITCHES CONNECTED TO AUDIBLE AND VISUAL ANNUNCIATORS/KEYPADS IN:

– WORKROOM
– BEHIND FRONT DESK

SYSTEM SHOULD AUTOMATICALLY NOTIFY POLICE OR 24 HR SECURITY MONITORING 3RD PARTY COMPANY UPON TRIGGERING OF HOLDUP ALARMS.

10.) TRAINING: PROVIDE INSTRUCTORS EXPERIENCED IN OPERATION AND MAINTENANCE PROCEDURES. PROVIDE INSTRUCTION AT MUTUALLY AGREED–ON TIMES. FOR EQUIPMENT THAT REQUIRES SEASONAL OPERATION, PROVIDE SIMILAR INSTRUCTION AT THE START OF EACH SEASON. SCHEDULE TRAINING WITH OWNER, THROUGH GENERAL CONTRACTOR WITH AT LEAST SEVEN DAYS ADVANCED NOTICE. PROVIDE NOTIFICATION OF DATES, TIMES, LENGTH OF INSTRUCTION, AND COURSE CONTENT. CONTENT SHALL INCLUDE SYSTEM DESIGN AND OPERATIONAL PHILOSOPHY, REVIEW OF SYSTEM DOCUMENTATION, OPERATIONS, ADJUSTMENTS, TROUBLESHOOTING, MAINTENANCE, AND REPAIR.

11.) INTRUSION DETECTION SYSTEM CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY CONNECTORS, CABLING, HARDWARE MODULES, ACCESSORIES, SOFTWARE, INITIAL PROGRAMMING, AND TRAINING REQUIRED FOR A COMPLETE AND OPERATIONAL INTRUSION DETECTION SYSTEM.

CCTV INSTALLATION

1.) PROVIDE SHOP DRAWINGS PRIOR ANY INSTALLATION OR PURCHASE ACTIVITIES. COMPONENT SPECIFICATION SCHEDULE ABOVE IS INCLUDED FOR REFERENCE. ALTERNATE SOLUTIONS OR MANUFACTURES PRODUCTS MAY BE PROPOSED. CUT SHEETS MUST BE SUBMITTED FOR ALL PRODUCTS PROPOSED, PRIOR TO PURCHASING ANY EQUIPMENT. SUBMIT A COMPLETE NETWORK DIAGRAM DEPICTING ALL CAMERAS, NETWORK SWITCHES, ETC., ALL COMPONENTS OF THE NETWORK FOR REVIEW AND APPROVAL BY NTI. NETWORK DIAGRAM SHOULD INCLUDE ALL LABELING INFORMATION FOR CAMERAS AND INFORMATION REGARDING IP ADDRESSING AND LICENSING REQUIREMENTS.

2.) INSTALLER TO PROVIDE AND INSTALL ALL COMPONENTS FOR COMPLETE SYSTEM, INCLUDING ALL CABLING, TRANSCEIVERS, PATCH PANELS, NETWORK SWITCHES, CAMERAS, RECORDERS, VIDEO STORAGE AND VIDEO MANAGEMENT SOFTWARE.

3.) CCTV SYSTEM TO HAVE COMPLETE SEPARATE DEDICATED NETWORK. ALL NETWORK EDGE SWITCHES AND CORE SWITCH TO BE PROVIDED AND INSTALLED AS PART OF SYSTEM, AND SHALL BE POWERED VIA UPS UNITS.

4.) CAMERAS TO BE CONFIGURED TO RECORD ON MOTION – RECORD AT MINIMUM OF 15FPS AND MINIMUM RESOLUTION OF 20IR–704X240 NTSC. PROVIDE STORAGE CAPACITY FOR MINIMUM OF 30 DAYS OF VIDEO.

5.) VIDEO MANAGEMENT SOFTWARE MUST INCLUDE "SMART PHONE" VIEWER APP CAPABILITY TO ALLOW FOR PASSWORD PROTECTED REMOTE VIEWING OF CAMERAS AND PLAYBACK OF RECORDED VIDEO VIA SMART PHONES & TABLETS. (IOS AND ANDROID COMPATIBLE).

6.) PROVIDE A MINIMUM OF (2) HIGH RES MONITORS IN SECURITY ROOM. CONFIGURE TO PROVIDE OVERALL VIEWING AND "POP UP" IMAGES TRIGGERED BY MOTION DETECTION.

GENERAL NOTES

1.) HOMERUN A CAT–6, 4 PAIR CABLE FROM EACH CAMERA NEAREST IDF CLOSET.

2.) CCTV AND INTRUSION DETECTION SYSTEM SHALL USE UPS AS AN EMERGENCY POWER. UPS UNITS TO BE PROVIDED AND INSTALLED BY CONTRACTOR. IDF & MAIN SECURITY ROOM WILL HAVE E.P. CIRCUITS. UPS MUST BRIDGE POWER GAP IN THE EVENT OF A POWER OUTAGE.

3.) KEY CARD ACCESS READERS ARE SHOWN ON THE FLOOR PLANS FOR INFORMATION AND COORDINATION PURPOSES ONLY. REFER TO THE DOOR HARDWARE SCHEDULE DRAWINGS FOR MORE DETAILS. PLEASE NOTE THAT THE KEY CARD ACCESS SYSTEM IN THE COMMON AREAS IS THE EXTENSION OF THE GUEST ENTRY SYSTEM. COORDINATE FINAL LOCATIONS WITH THE HOTEL OPERATOR.

CCTV/ALARM SYSTEM COMPONENT SCHEDULE

DESCRIPTION	MANUFACTURER	PART NUMBER
VIDEO MANAGEMENT SOFTWARE	AXIS	CAMERA STATION OR AXP–VMS (SUBMIT SHOP DRAWINGS/DESCRIPTION IF AXP–VMS SYSTEM IS PROPOSED)
HIGH RESOLUTION COLOR MONITORS	SAMSUNG	24" (ITEMIZE PRICE FOR ADDITIONAL MONITORS)
CAMERAS – FIXED INDOOR MINI DOME	AXIS	M3004–V
CAMERAS – INDOOR – FIXED	AXIS	M1114
CAMERAS – OUTDOOR – FIXED	AXIS	M1113–E
Outdoor Mini Dome, 2MP/720p, H264, 2mm, Dec. Day/Night, IP66, PoE/12VDC	HIK VISION	DS–2CD2520F(2mm)
Outdoor Dome, 2MP/1080p, H264, 2.8–12mm Motorized Zoom/Focus Day/Night, 120dB WDR, Alarm I/O, Audio	HIK VISION	DS–2CD2723FWD–IZS(2.8–12mm)
Outdoor Dome, 4MP–20fps/1080p, H264, 2.8–12mm Motorized Zoom/Focus Day/Night, 120dB WDR, Alarm I/O,	HIK VISION	DS–2CD2743FWD–IZS(2.8–12mm)
Panoramic 180/360 degree, Indoor, 6MP, Day/Night, IR, PoE/12VDC	HIK VISION	DS–2CD6362F–I
Panoramic 180/360 degree, Outdoor, 6MP, Day/Night, IR, PoE/12VDC	HIK VISION	DS–2CD6362F–IV
Outdoor Bullet, 3MP/1080p, H264, 2.8–12mm, Motorized Zoom/Focus, Day/Night, WDR, EXIR up to 50m, IP67,	HIK VISION	DS–2CD4A35FWD–IZH(2.8–12mm)
	Recording Hardware	
NVR, 32–Channel, H.264/H.264+/H.265, up to 12MP, HDMI, 8–SATA, with 32TB	HIK VISION	DS–9632NI–I8–32TB
ALARM CONTROL PANEL	ADEMCO	VISTA–128B
ALARM KEYPAD	ADEMCO	6160
ALARM SYSTEM POWER SUPPLY	ADEMCO	AD12612
DOOR CONTACTS	SENTROL	1078C
INTERCOM BASE STATION	AIPHONE	LEF3L
INTERCOM SUB STATION	AIPHONE	LS–NP/C
RELAY FOR DOOR RELEASE	AIPHONE	RVFA
POWER SUPPLY FOR BASE STATION	AIPHONE	PS–1225UL

NOTES:
1.) VERIFY CAMERA AND MINIDOME SKIN COLOR WITH OWNER / INTERIOR DESIGNER PRIOR TO ORDERING. ALL BLACK CAMERAS AND SKINS MAY BE DESIRED.
2.) TYPICAL CABLE FOR THE INTERCOM SYSTEM: 2 CONDUCTORS, #22 AWG, SHIELDED STRANDED. CONTRACTOR TO USE MOST APPROPRIATE CABLE FOR INSTALLATION.
3.) ALTERNATE MANUFACTURES MAY BE USED (SAMSUNG, TOSHIBA ARE APPROVED EQUALS). ALTERNATE PRODUCTS MUST BE EQUIVALENT OR BETTER WITH REGARD TO PERFORMANCE, FORM, FIT AND FUNCTION. SUBMIT CUT SHEET FOR REVIEW/APPROVAL FOR ALL PROPOSED PRODUCTS AND ARE SUBJECT TO CHANGE BASE ON OWNERSHIP COMMENTS
4.) SOME OF THE ABOVE LISTED PRODUCTS MAY NOT BE REQUIRED FOR THIS PROJECT AND ARE SUBJECT TO CHANGE BASE ON OWNERSHIP COMMENTS.
5.) CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PRODUCTS, AS REQUIRED, TO FURNISH OWNER WITH COMPLETE SYSTEM.
6.) AS MANUFACTURERS PART NUMBERS CAN CHANGE, CONTRACTOR IS RESPONSIBLE FOR VERIFYING CORRECT. CURRENT PART NUMBERS FOR PRODUCTS SPECIFIED.

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NTI JOB NO. 19-7533

SEAL | DATE

SHEET ISSUE

1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	100% CD	02/28/2025

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PROJECT NO.

SHEET TITLE
SECURITY INSTALLATION DETAILS -DATA/VOICE

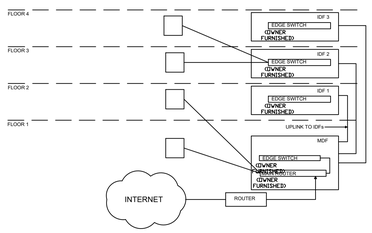
SHEET NUMBER
DV-907

1. NETWORK REQUIREMENTS

1. NETWORK CONSIDERATIONS:
RUN ALL CABLES IN A "STAR" CONFIGURATION. ALL IDF CLOSETS ARE TO BE "HOMERUN" TO ONE CENTRAL LOCATION, TYPICALLY THE MDF. DAISY-CHAINING IS NOT ALLOWED. EACH NEW IDF RUN MUST HAVE A DIRECT CONNECTION OF FIBER OR CAT6 CABLE BACK TO THE MDF. HILTON REQUIRES CAT6 ON ALL NEW CABLE RUNS. CAT5E MAY ONLY BE USED IF THE RUN AND CLOSET ARE PRE-EXISTING AND IF THE CABLE PASSES APPROPRIATE CERTIFICATION. ANY EXCEPTIONS MUST BE APPROVED BY AWS ENGINEERING IN WRITING.

NOTIFY AWS PROJECT MANAGER OF ANY POTENTIAL ISSUES OR CABLING CHANGES SO THAT ANY ISSUES IMPACTING THE NETWORK DESIGN CAN BE AVOIDED.

EXAMPLE OF NETWORK TOPO:



2. CABLING REQUIREMENTS

1. NETWORK TOPOLOGY
ALL CABLES SHALL BE INSTALLED IN A STAR CONFIGURATION, WITHOUT ANY DAISY-CHAINING.

2. REQUIREMENTS FOR PORT MAPS (TERMINATION AND ROUTING SCHEDULE)
CONTRACTOR SHALL PROVIDE PORT MAPS (TERMINATION AND ROUTING SCHEDULE) FOR ALL THE CABLES THEY INSTALL TO THE OWNER/OWNER REP AND/OR HSIA VENDOR IN A PRE-AGREED UPON TIMEFRAME. SUCH PORT MAP SHALL PROVIDE SPECIFIC INFORMATION IN THE EXCEL FORMAT (COMPUTER/PRINTER GENERATED) ON THE CABLE TERMINATION LOCATION AND OTHER RELEVANT INFORMATION (IDF #, PATCH PANEL #, PATCH PANEL PORT #, CABLE TYPE, ROOM NUMBER AND LOCATION, NOTES AND COMMENTS). THE NUMBERING OF THE PATCH PANEL SHALL BE FROM LEFT TO RIGHT, TOP TO BOTTOM. ALL FIELDS EXCEPT NOTES ARE MANDATORY.

3. REQUIREMENTS FOR CABLE DOCUMENTATION AND CERTIFICATION
A. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW UTP AND FIBER CABLING IN TERMS OF TERMINATION, ROUTING, LABELING, DOCUMENTING, CERTIFYING AND MANAGING.
B. SIMILARLY, CONTRACTOR MAY BE DIRECTED TO DOCUMENT, CORRECT AND CERTIFY EXISTING CABLING AS WELL.
C. ALL PATCH CORDS/INTERCONNECTS IN AFFECTED IT CLOSETS/MDF/IDFS SHALL BE CERTIFIED (COPPER AND FIBER).

D. CONTRACTOR SHALL PROVIDE CERTIFICATION RESULTS IN A PDF OR FREE-TO-DOWNLOAD SOFTWARE FORMAT (SUCH AS LINKWARE FROM FLUKE NETWORKS, INC.). FURTHER, CERTIFICATION RESULTS SHALL CONTAIN INFORMATION ON MAKE AND MODEL OF THE CERTIFICATION MACHINE, AS WELL AS VERSION OF SOFTWARE USED FOR CERTIFICATION AND THE TEST SETTINGS. THE IDENTIFICATION OF THE CABLE RUN AT THE TEST RESULT SHALL BE VERY CLEAR, SUCH AS "FRONT DESK 1," RM 315, AP2-2 ETC. ALL AFOREMENTIONED RESULTS SHALL BE DOCUMENTED IN A SINGLE FILE AND CONTAIN SUMMARY (I.E. IF (100) CABLES ARE TESTED, (1) FILE SHALL BE PROVIDED FOR THEM ALL COMBINED TOGETHER).
E. CONTRACTOR SHALL USE A TESTER/CERTIFICATION MACHINE WHICH IS MEETING LEVEL III REQUIREMENTS OF THE ANSI/TIA/EIA 568C STANDARDS AND CLEARLY SHOWING PASS/FAIL RESULTS. IN ADDITION, CERTIFICATION RESULTS SHALL INCLUDE:
1) CABLE IDENTIFICATION
2) CABLE TEST LIMITS
3) WIRE MAP
4) LENGTH OF THE CABLE
5) PROPAGATION DELAY
6) DELAY SKEW
7) FREQUENCY
8) INSERTION LOSS MARGIN
9) RESISTANCE
10) ALLOWABLE LIMITS

4.REQUIREMENTS FOR IT ROOMS/MDF/IDF CABLING AND EQUIPMENT
A. INSTALL RACKS, PATCH PANELS, WIRE MANAGERS AS PER THESE DRAWINGS.
B.EACH RACK, PATCH PANEL AND CABLE SHALL BE CLEARLY LABELED. THE LABELING SHALL MATCH THE PORT MAP. EXAMPLE OF LABELING PATCH PANEL: IDF1 PP 03.
C. LABELS SHALL BE MACHINE GENERATED.
D. CABLES SHALL BE DRESSED WITH VELCRO TO AVOID OVER CINCHING AND PROVIDE FOR EASY CHANGES.

5. REQUIREMENTS FOR COPPER CABLE
A. CABLES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ANSI/TIA/EIA 568C STANDARDS
B.T568B JACK TERMINATION SCHEME SHALL BE USED
C. 290 FEET ALL INCLUSIVE CABLE LENGTH SHALL NOT BE EXCEEDED
D. ALL CABLES SHALL BE INSTALLED IN STAR/HOME RUN CONFIGURATION. CABLES SHALL NOT BE DAISY CHAINED.
E. FOR 4-PAIR DATA BACKBONE BETWEEN MDF AND IDF RED COLORED CABLE SHALL BE USED.

6. REQUIREMENTS FOR FIBER CABLE
A. MDF-IDF BACKBONE CABLES SHALL BE 12-STRAND OM3 PLENUM CABLE AND SHALL NOT EXCEED 1,650 FEET.
B. MEDIA CONVERTERS FOR FIBER/COPPER SHALL NOT BE USED
C. INNER-DUCT SHALL BE USED TO PROTECT FIBER BACKBONE CABLES ALL THE WAY TO LIU.
D. FIBER CABLES SHALL BE TERMINATED AT THE LIU AND THEN PATCHED TO THE SWITCHES.
E. LIU SHALL BE MOUNTED AT THE TOP OF THE RACK, ABOVE COPPER PATCH PANELS AND NETWORK EQUIPMENT.
F.FIBER CONNECTOR TYPE (LC, SC ETC.) SHALL BE AS REQUIRED BY THE BRAND STANDARDS. CONTRACTOR SHALL VERIFY WITH BRAND STANDARD BEFORE PURCHASING AND INSTALLATION.
G. ALL FIBER CABLES SHALL BE HOMERUN FROM MDF TO IDF.
H. EACH CAB AND EACH LIU SHALL BE CLEARLY LABELED.
I.EACH FIBER STRAND SHALL BE TESTED WITH LEVEL III TESTER AND THE RESULTS SHALL BE SUBMITTED TO THE OWNER/OWNER REP.

7. REQUIREMENTS FOR ACCESS POINTS CABLING AND TERMINATIONS & ACCESS PANELS
A. ACCESS PANELS SHALL BE 12"X12" IN SIZE AND SHALL BE NON-METALLIC. USE OF SMALLER SIZE MAY BE ACCEPTABLE WITH WI-FI VENDOR APPROVAL.
B. CABLES FOR APS SHALL BE TERMINATED AT THE BISCUIT JACK AT THE WAP SIDE. BISCUIT JACKS SHALL BE LEFT UNMOUNTED UNLESS DIRECTED OTHERWISE BY WI-FI VENDOR.
C. EACH AP CABLE RUN SHALL HAVE AT LEAST 15' SERVICE LOOP AT THE WAP SIDE.
D. ALL BISCUIT JACKS SHALL BE LABELED IN ACCORDANCE WITH WIFI VENDOR INSTRUCTIONS. ALL LABELS SHALL BE MACHINE GENERATED.

1

THE CAT 6 CABLES USED MUST ADHERE TO THE FOLLOWING COLOR CODE

MAIN & REMOTE COMPUTER ROOMS	COLOR
VOICE & FAX LINES	LIGHT BLUE
SERVER CONNECTIONS	RED
POINT OF SALE	BLACK
PRINTERS	GREEN
GUEST INTERNET (INCLUDING WIRELESS ACCESS POINTS)	PURPLE
GUEST MINI-BAR SYSTEM	ORANGE
TV SYSTEM	YELLOW
KEYCARD SYSTEM	WHITE
INTERFACES	PINK
WIRELESS ACCESS POINTS (DECT, HILTON)	BROWN
ELECTRONIC MEETING SIGNS	LIGHT GREY
CROSS-OVER CABLES	DARK BLUE
DESKTOPS	DARK GREY

3. PORT MAPS

1. PORT MAP REQUIREMENTS
A. PORT MAPS MUST BE PROVIDED FOR ALL CABLING THAT WILL BE CONNECTED TO THE NETWORK.
B. A PORT MAP DOCUMENT WILL BE PROVIDED BY AWS TO BE COMPLETED BY CABLING VENDOR.
C. THE PORT MAP WILL STATE WHICH PATCH PANEL PORT GOES TO WHICH SPECIFIC GUEST ROOM, WAP, IDF, ETC. PATCH PANELS WILL BE NUMBERED FROM LEFT TO RIGHT, TOP TO BOTTOM.
D. PORT MAPS MUST BE FILLED OUT AND PROVIDED IN AWS SUPPLIED EXCEL FORMAT.
E. THE ONLY FIELD THAT MAY BE LEFT BLANK IS THE NOTES COLUMN. ALL OTHER FIELDS MUST BE COMPLETED.
F. PORT MAPS WRITTEN ON PAPER OR SCANNED, ETC. WILL NOT BE ACCEPTED.

2. PORT MAP WILL HAVE THE FOLLOWING INFORMATION:
A. AP# OR ROOM# OR UPLINK
AP# TO MATCH THE "STRUCTURED CABLING" DOCUMENT.
B. AP/JACK END LOCATION.
C. PATCH PANEL # FROM TOP DOWN.
D. PORT # FROM LEFT TO RIGHT OR AS NUMBERED.
E. MDF/IDF LOCATION.
F. TYPE OF CABLE
G. ANY APPLICABLE NOTES

3.AP NAMING MUST MATCH THE "STRUCTURED CABLING" DOCUMENT. ALL CERTIFICATION ID'S AND LABELING, MUST ALSO THE "STRUCTURED CABLING" DOCUMENT.
I.E.:THE PORTMAP, THE STRUCTURED CABLING DOCUMENTS, THE INSTALLED END POINT AND THE CABLE CERTIFICATION RESULTS PDF.

4. THE AP LOCATION IN THE PORTMAP MUST MATCH THE LOCATION IN THE "STRUCTURED CABLING" DOCUMENT.

5. THE COMPLETE RACK SHOULD SHOW THE PATCH PANEL IN RACK FOR BOTH FIBER AND COPPER AS WELL AS THE DEDICATED POWER OUTLET.

PORTION OF A PROPERLY COMPLETED PORT MAP:

PORT MAP EXAMPLE						
AP/UPLINK/RM #	CABLE END POINT LOCATION	PATCH PANEL #	PATCH PANEL PORT	PATCH PANEL LOCATION	CABLE TYPE	NOTES
AP001	INSIDE CLOSET 104	1	23	MDF	CAT6	
AP003	ABOVE CEILING IN GYM	1	3	MDF	CAT6	
RM302	NEXT TO IBCD	1	24	IDF2	CAT6	
RM416	NEXT TO IBCD	2	14	IDF3	CAT6	
MDF to IDF3 UPLINK	IDF3	1	24	IDF4	FIBER	PATCH PANEL 2-2 IN MDF

4. MDF & IDF RACKS & PATCH PANELS

1. PATCH PANELS, RACKS AND CABLE MANAGEMENT ARE NOT OPTIONAL.
• HINT: 1U OR HORIZONTAL CABLE MANAGEMENT PER 24PORTS OF PATCH PANEL.

2. PATCH PANELS MUST BE RACK MOUNTED AND MATCH THE CABLING SPECIFICATION SUCH AS CAT6 RATED, ETC.

3.PATCH PANELS CANNOT BE THE PLASTIC BOXES THAT HOLD MULTIPLE PORTS.

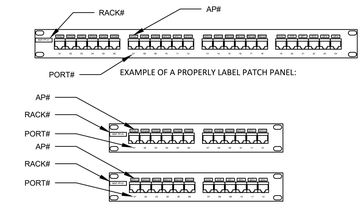
4. FLOOR OR WALL MOUNT RACKS ARE REQUIRED. RACK SPACE CONSIDERATIONS MUST INCLUDE PATCH PANEL(S)/LIU(S), CABLE MANAGEMENT DEVICE(S), HSIA EQUIPMENT, AND UPS.

5. LABEL EACH CABLE-END CLEARLY AS WELL AS EACH PATCH PANEL PORT LEGIBLY. THE PATCH PANEL LABEL MUST MATCH THE DESCRIPTION GIVEN IN THE PORT MAP.

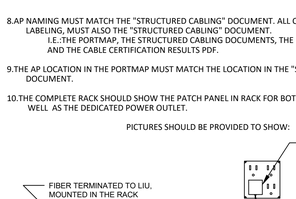
6.PLASTIC THERMAL LABELS WITH APPROPRIATE ADHESIVE ARE HIGHLY RECOMMENDED HOWEVER AN ULTRA-FINE BLACK SHARPIE MAY BE USED ON SILK SCREENED PATCH PANELS/LIUS. IF YOU USE THE SHARPIE, YOU CAN MAKE CORRECTIONS WITH RUBBING ALCHOL AND COTTON BALLS AND/OR Q-TIPS.

7. DRESS THE CABLES NEATLY WITH VELCRO. IF USING CABLE TIES, USE LOW TO MODERATE PRESSURE WITH NO HARD BENDS. FIBER MUST BE DRESSED DELICATELY. DO NOT USE ZIP TIES ON FIBER.

EXAMPLE OF A PROPERLY LABEL SWITCH:



EXAMPLE OF A PROPERLY LABEL PATCH PANEL:

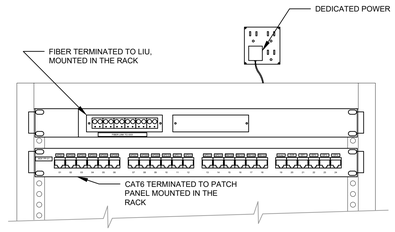


8.AP NAMING MUST MATCH THE "STRUCTURED CABLING" DOCUMENT. ALL CERTIFICATION ID'S AND LABELING, MUST ALSO THE "STRUCTURED CABLING" DOCUMENT.
I.E.:THE PORTMAP, THE STRUCTURED CABLING DOCUMENTS, THE INSTALLED END POINT AND THE CABLE CERTIFICATION RESULTS PDF.

9.THE AP LOCATION IN THE PORTMAP MUST MATCH THE LOCATION IN THE "STRUCTURED CABLING" DOCUMENT.

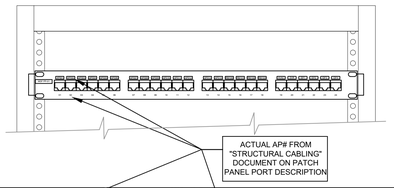
10.THE COMPLETE RACK SHOULD SHOW THE PATCH PANEL IN RACK FOR BOTH FIBER AND COPPER AS WELL AS THE DEDICATED POWER OUTLET.

PICTURES SHOULD BE PROVIDED TO SHOW:



1. ALL RACKS MUST BE PROPERLY GROUND ACCORDING TO THE NEC AND LOCAL ELECTRICAL CODES. PROVIDE PHOTOS TO SHOW GROUNDING.
ALL RACKS THAT CONTAIN GUEST INTERNET EQUIPMENT MUST BE PROPERLY GROUNDED IN ADHERENCE TO LOCAL ELECTRICAL CODES.
PHOTOS SHOULD BE PROVIDED TO SHOW PROPER GROUNDING.

2. ALL PATCH PANELS MUST BE PROPERLY LABEL, TO MATCH THE "STRUCTURAL CABLING" DOCUMENT AND PORTMAP.



PORT MAP EXAMPLE						
AP/UPLINK/RM #	CABLE END POINT LOCATION	PATCH PANEL #	PATCH PANEL PORT	PATCH PANEL LOCATION	CABLE TYPE	NOTES
AP002	INSIDE CLOSET 104	MDF PP-01	2	MDF	CAT6	
AP003	ABOVE CEILING IN GYM	1	3	MDF	CAT6	
RM302	NEXT TO IBCD	1	24	IDF2	CAT6	
RM416	NEXT TO IBCD	2	14	IDF3	CAT6	
MDF to IDF3 UPLINK	IDF3	1	24	IDF4	FIBER	PATCH PANEL 2-2 IN MDF

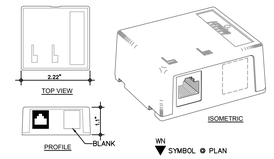
5. ACCESS POINTS

1

1. ACCESS PANELS SHOULD HAVE AN OPENING OF APPROXIMATELY 12" X 12"AND BE NON-METALLIC IF LOCATED NEAR A WIRELESS ACCESS POINT. SMALLER SIZES MAY BE ACCEPTABLE DEPENDENT UPON WAP TYPE AND ANTENNA(E) TYPE. CHECK WITH PROJECT MANAGER TO SEE IF A SMALLER SIZE IS ACCEPTABLE.

2. WIRELESS ACCESS POINT CABLE DROPS CANNOT BE LOCATED IN A GUEST ROOM OR GUEST ROOM CLOSET.

3.TERMINATE ALL AP SIDE CABLE RUNS ONTO AN APPROPRIATE MODULAR JACK WITH SURFACE MOUNT BOX/BISCUIT-JACK. (FIGURE 2) THE BISCUIT-JACK SHOULD NOT BE ATTACHED TO THE WALL. IT MUST BE LEFT UN-MOUNTED UNLESS DIRECTED DIFFERENTLY BY AWS ENGINEERING.



NOTE:
SEE SHEET DV001 FOR CABLE, CONDUIT AND BACKBOX REQUIREMENTS

INDIVIDUAL AP REQUIREMENTS AND PICTURE REQUIREMENTS:

1. SURFACE MOUNTED (CEILING) AP ENDPOINT, MUST SHOW PROPER LABELING, BISCUIT JACK, SINGLE GANG RING. PICTURES SHOULD BE TAKE SHOWING THE FOLLOWING:
A. SINGLE-GANG RING ON CEILING FOR SURFACE MOUNTED APS.
B. BISCUIT JACK FOR ALL APS MOUNTED IN OR ON CEILING
C. AP# LABEL, ON BISCUIT JACK, TO MATCH "STRUCTURAL CABLING" DOCUMENT.

2. ABOVE CEILING MOUNTING AP ENDPOINT, MUST SHOW PROPER LABELING, BISCUIT JACK AND ACCESS PANEL LOCATION. PICTURES SHOULD BE TAKE SHOWING THE FOLLOWING:
A. MUST USE A NON-METALLIC ACCESS PANEL
B. MUST AT LEAST HAVE A 15FT SERVICE LOOP
C. AP# LABEL, ON BISCUIT JACK, TO MATCH "STRUCTURAL CABLING" DOCUMENT.

3.TYPICAL NETWORK JACK FOR WALL PLATE TYPE AP MOUNTING. THE FACE PLATE WILL BE REMOVED WHEN THE WALL PLATE AP IS INSTALLED. PICTURES SHOULD BE TAKE SHOWING THE FOLLOWING:
A. SINGLE GANG RING
B. KEYSTONE, AP# LABELING THAT MUST MATCH "STRUCTURAL CABLING" DOCUMENT.

4. IF THE PROPERTY WILL BE INSTALLING WALL PLATE APS SUCH AS THE RUCKUS 7055 OR CISCO 702w PICTURES SHOULD BE TAKE SHOWING THE FOLLOWING:
A.THE WALL PLATE SHOULD BE LABELED.
B. THE LABEL MUST MATCH "STRUCTURAL CABLING" DOCUMENT.

6. PHOTOS

1. ALL PHOTOS MUST BE IN FOCUS, WELL-LIGHTED AND AT LEAST 800X600 RESOLUTION. THE PHOTO FORMAT MUST BE IN .JPG/JPEG FORMAT. CELLULAR CAMERA PHOTOS AND/OR LOW QUALITY PHOTOS WILL NOT BE ACCEPTED AND WILL DELAY YOUR INSTALLATION. PLEASE ATTACH DIGITAL PHOTOS OF ALL WORK COMPLETED IN MDF, EACH IDF LOCATION, AND EACH AP MOUNTING LOCATION. PLEASE MAKE SURE TO INCLUDE THE UPLINK PORTS, PATCH PANELS, AND POWER LOCATIONS IN EACH CLOSET.

2. NAME EACH PICTURE WITH THE HOTEL'S INN CODE FOLLOWED BY THE" _" UNDERSCORE CHARACTER AND THE LOCATION (E.G. MEMPE_1STFLOOR_MDF_1.JPG, MEMPE_2NDFLOOR_IDF_2.JPG). A WHITEBOARD/DRY ERASE BOARD WITH THE FOLLOWING DETAILS WILL GREATLY ASSIST YOU IN DOCUMENTING YOUR PHOTOS. IF YOU CHOOSE NOT TO USE A WHITE BOARD IN DOCUMENTING YOUR WORK IT MAY DELAY YOUR INSTALLATION. YOUR WHITEBOARD SHOULD CONTAIN THE FOLLOWING INFORMATION: INNCODE DEVICE/LOCATION, DATE

- MDF
  - FULL RACK'S VIEW.
  - FULL PATCH PANEL VIEW. MUST BE ABLE TO READ PORT LABELING IN PHOTOS.
- ALL IDF'S
  - FULL RACK'S VIEW - SHOWS WHOLE RACK
  - FULL PATCH PANEL VIEW. MUST BE ABLE TO READ PORT LABELING IN PHOTOS.
- FOR ALL NEW CABLE RUNS OR TERMINATIONS
  - FULL PATCH PANEL VIEW SHOWING LOCATIONS FOR EACH TERMINATION CLEARLY LABELED.
  - AP CABLE DROPS THAT SHOW ACCESS PANEL VIEW AND THE BISCUIT JACK.
  - ROOM JACK - TYPICAL ROOM TERMINATION. PHOTO MUST SHOW WHERE JACK IS IN RELATIONSHIP TO THE WORK CENTER/DESK
  - FULL CROSS-CONNECT BLOCKS VIEW.
    - SHOW ENTIRE DSL CROSS-CONNECT FIELD
    - SHOW EACH INDIVIDUAL DSL CROSS-CONNECT BLOCK.
    - ROOM LABELS MUST BE LEGIBLE IN PHOTOS
    - WHITE BOARD MUST INDICATE WHICH DSLAM THE BLOCK IS CONNECTED TO
- GUESTROOM (IF WIRED ETHERNET, OR IF PREEXISTING ROOM CABLING WAS DISABLED AND/OR REPAIRED)
  - ALSO INCLUDE PICTURE OF DESK AREA / TERMINATION FOR EACH UNIQUE GUEST ROOM). NAME EACH PICTURE WITH THE HOTEL'S INN CODE FOLLOWED BY THE_ AND THE ROOM NUMBER (E.G. MEMPE_204.JPG, MEMPE_12034.JPG).

7. CABLE CERTIFICATION REQUIREMENTS

1. THE HOTEL'S WIRING VENDOR IS RESPONSIBLE FOR THE INSTALLATION, CERTIFICATION AND MANAGEMENT OF ALL STRUCTURAL UTP CABLING. EVEN IF THE RUNS ARE EXISTING ONES, THEY WILL NEED TO BE DOCUMENTED, CORRECTED, AND CERTIFIED.
ALL MDF/IDF INTER-CONNECTS, INCLUDING FIBER WILL NEED TO BE CERTIFIED.

2. PROVIDE RESULTS IN THE DEVICE SOFTWARE FORMAT FREE VIEWABLE ON PC SUCH AS *(LINKWARE FROM FLUKE)* OR EXPORTED FROM THE DEVICE IN PDF FORMAT. THE DOCUMENT SHOULD INCLUDE THE MODEL # AND SOFTWARE REVISION OF THE MACHINE AS WELL AS SHOW THE TEST SETTINGS. THE RESULTS MUST BE CLEARLY IDENTIFIABLE AND USE THE COMMON NAME OF THE RUN. FOR EXAMPLE, RM100, AP1-1, MDF-IDF FEED, IDF1 UPLINK, BUSINESS CENTER, ETC.

3. ALL CERTIFICATION RESULTS SHOULD BE COMBINED IN ONE DOCUMENT BEFORE BEING SUBMITTED TO AWS. (SO, IF 30 AP RUNS ARE TESTED, THERE SHOULD BE ONE DOCUMENT WITH ALL 30 RESULTS, INSTEAD OF 30 INDIVIDUAL FILES)

THE CERTIFYING MACHINE MUST BE LEVEL III COMPLIANT AND PROVIDE TESTING AS STATED UNDER ANSI/TIA/EIA-568-B.2 & 3 STANDARDS. CABLING RESULTS WILL NOT BE ACCEPTED BY TESTING EQUIPMENT NOT COMPLIANT TO THESE INDUSTRY STANDARDS. THIS REQUIREMENT ALLOWS US TO SHOW THAT THE CABLES DO MEET THE CABLING INDUSTRY STANDARDS.

CABLING CERTIFIERS

APPROVED CERTIFICATION TESTER:

Fluke (DTX-1200)
Fluke (DSP-4000 Series)
Ideal Industries (LANTEK 6G)
Ideal Industries (LANTEK 7G)
Ideal Industries (LANTEK II Series Cable Certifier)
Agilent Technologies (WireScope 350)
Megger (Megger SCT2000)
OMNIScanner LT

TESTER THAT ARE **NOT** APPROVED:
ByteBrothers
JDSU (Validator - Ethernet Speed Certifier)
JDSU (ValidatorPRO or ValidatorPro-NT)
Fluke (CableIQ)
Ideal Industries (SIGNALTEK)

IF YOUR CERTIFICATION TESTER IS NOT ON THIS LIST, THEN PLEASE NOTIFY THE AT&T PM SO THAT THEY CAN SUBMIT FOR APPROVAL FROM ENGINEERING, BEFORE TESTING BEGINS TO AVOID REWORK IF THE CERTIFICATION TESTER IS NOT APPROVED.

KING COLE BUILDING HOTEL
1 N. Meridian
Indianapolis, IN 46204

Owner
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300 North LaSalle Street, Suite 4900
Chicago, IL 60654

Architect
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Structural Engineer Interior
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650 E. Carmel Dr., Suite 150
Carmel, IN 46032
(317) 574-9409

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9229 Delegates Row, Suite 150
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NTI JOB NO. 19-7533

SEAL | DATE

SHEET ISSUE

1	DESIGN DEVELOPMENT RE-ISSSUE	12/09/2024
2	DESIGN DEVELOPMENT RE-ISSSUE	01/24/2025
2	100% CD	02/28/2025

RATIO

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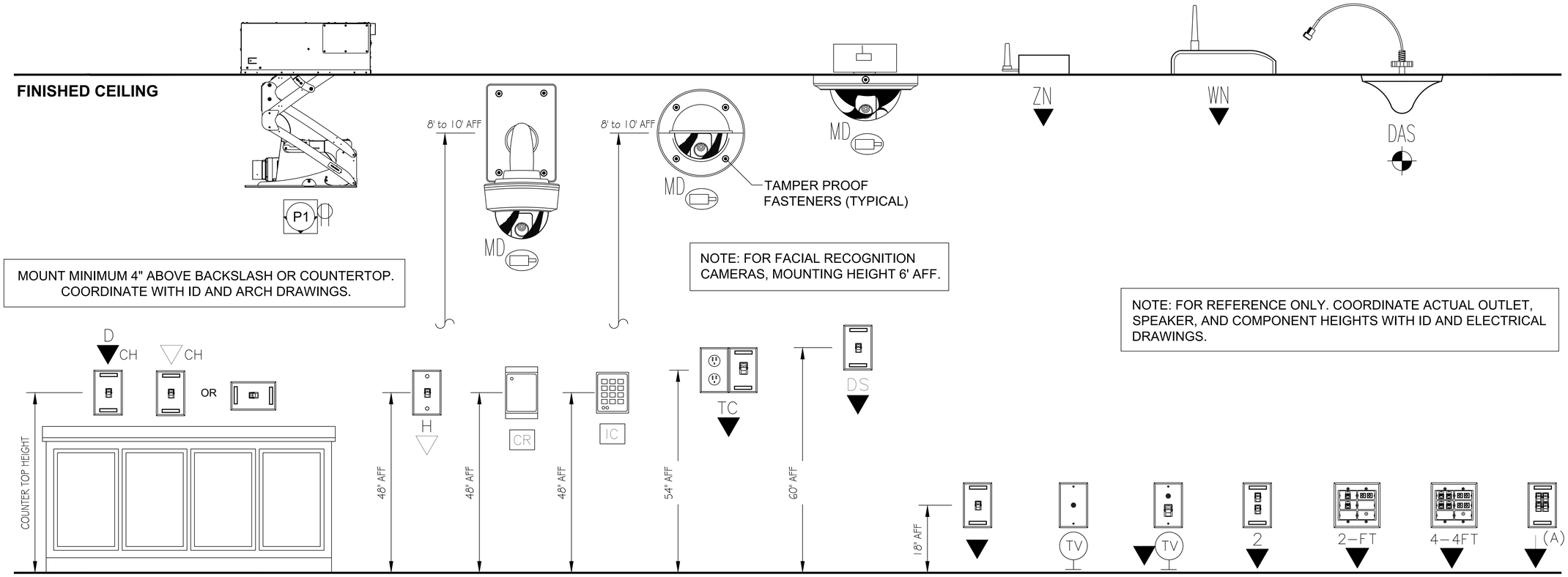
PROJECT NO.

SHEET TITLE
ADDITIONAL HSIA REQUIREMENTS -DATA/VOICE

SHEET NUMBER
DV-908



1 TYPICAL OUTLET & COMPONENT HEIGHTS

DV- 9.08 NOT TO SCALE

KING COLE BUILDING HOTEL

1 N. Meridian
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300 North LaSalle Street, Suite 4900
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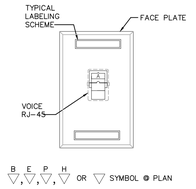
PROJECT NO.

SHEET TITLE
ELEVATION
DETAILS
-DATA/VOICE

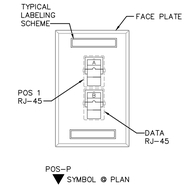
SHEET NUMBER
DV-909



NOTE:
TO BE CABLED WITH (1) CAT-6, (4) PAIR CABLE. HOUSE PHONE OUTLETS MOUNTED AT 26"AFF OR HIGHER SHALL USE STAINLESS STEEL WALL MOUNT COVER PLATE.

1 1-POSITION VOICE OUTLET

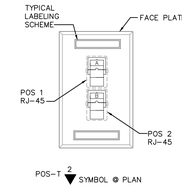
DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (2) 4 PAIR, CAT-6 UTP CABLES.

2 POINT OF SALE (POS) PRINTER OUTLET

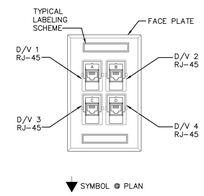
DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (2) 4 PAIR, CAT-6 UTP CABLES. TERMINATE AT IDF ON PATCH PANEL.

3 POINT OF SALE (POS) TERMINAL OUTLET

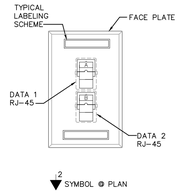
DV-905 NOT TO SCALE



NOTE :
TO BE CABLED WITH (4) CAT-6, (4) PAIR, UTP CABLES. ONE CABLE FOR EACH MULTI-USE JACK. ALL CABLE TO TERMINATE ON TO PATCH PANEL IN DESIGNATED IDF.

4 4 POSITION DATA OUTLET - ADMIN.

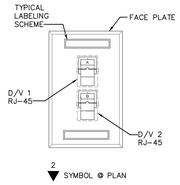
DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (2) CAT-6, (4) PAIR, UTP CABLES. ONE CABLE FOR EACH JACK. TERMINATE ON PATCH PANELS.

5 2 POSITION DATA OUTLET - ADMIN.

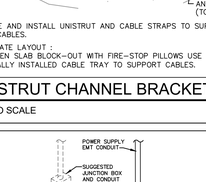
DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (2) CAT-6, (4) PAIR, UTP CABLES. ONE CABLE PER JACK. TERMINATE ON PATCH PANEL. REFER TO 12/DV9.05 FOR PATCHING REQUIREMENTS.

6 2-POSITION DATA/VOICE MULTI-USE OUTLET

DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (2) CAT-6, (4) PAIR, UTP CABLES. ONE CABLE PER JACK. TERMINATE ON PATCH PANEL.

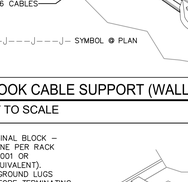
7 DATA/VOICE MULTI-USE FLOOR OUTLET

DV-905 NOT TO SCALE

NOTE:
TO BE CABLED WITH (2) 4 PAIR CAT-6 CABLES AND (1) RG-6/RG-11 CABLE.

8 MULTI-USE DATA/TV OUTLET

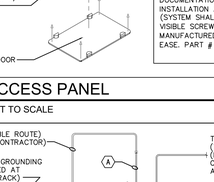
DV-905 NOT TO SCALE



NOTE:
MOUNT IN COMMON DOUBLE GANG BACK BOX WITH SEPERATOR BETWEEN DATA AND POWER. HOMERUN CAT-6 CABLE TO LOCAL IDF.

9 TIMECLOCK OUTLET

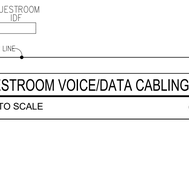
DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (1) RG-6 CABLE TO HOMERUN TO IDF

10 COAX OUTLET

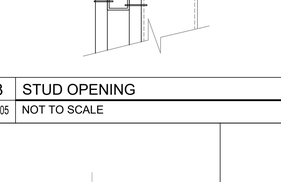
DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (1) CAT-6, (4) PAIR, UTP CABLES. HOMERUN TO DIGITAL SIGNAGE HEADEND.

11 SINGLE DATA OUTLET

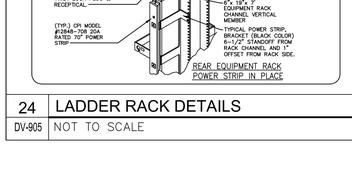
DV-905 NOT TO SCALE



NOTE:
(1) 4 PAIR, CAT-6 CABLE, HOMERUN TO THE RESPECTIVE IDF. TERMINATE AT CLOSET ON TO PATCH PANEL, GROUP ALL WIRELESS NODES TOGETHER ON THE PATCH PANEL.

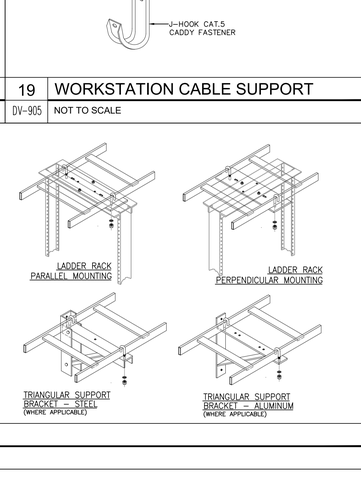
11A WIRELESS NODE OR ZIGBEE HUB OUTLET

DV-905 NOT TO SCALE



12 TELEPHONE DIALTONE PATCHING SYSTEM

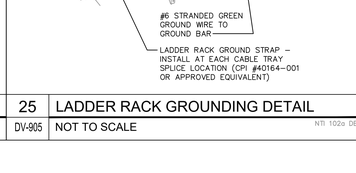
DV-905 NOT TO SCALE



NOTE :
SIEMONS MODULAR 4-WAY SPLITTER PROVIDES ACCESS TO EACH INDIVIDUAL PAIR OF A 4-PAIR MODULAR OUTLET. THE SPLITTER CONVERTS A SINGLE 4-PAIR OUTLET TO (4) INDIVIDUAL 1-PAIR, 6 POSITION OUTLETS TO ENABLE FOUR UNIQUE MODULAR CONNECTIONS. THE UNIVERSAL PLUG DESIGN ENABLES COMPATIBILITY WITH BOTH 6 AND 8 POSITION OUTLETS.

13 SIEMONS MODULAR 4-WAY SPLITTER

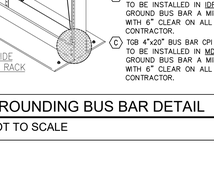
DV-905 NOT TO SCALE



NOTE:
REFER TO DEVICE REQUIREMENT SCHEDULE ON DV0.01 FOR ADDITIONAL INFORMATION.

14 EMERGENCY CALL BOX OUTLET

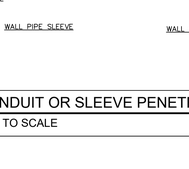
DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (1) RG-6 CABLE AND (1) CAT-6 CABLE HOMERUN TO IDF.

15 COAX/IPTV OUTLET

DV-905 NOT TO SCALE



NOTE:
TO BE CABLED WITH (4) CAT-6, (4) PAIR, UTP CABLES. ONE CABLE PER JACK. TERMINATE ON PATCH PANEL.

16 DATA/VOICE MULTI-USE FLOOR OUTLET

DV-905 NOT TO SCALE

17 STUD OPENINGS DETAIL

DV-905 NOT TO SCALE

NOTES:
1.) PROVIDE AND INSTALL UNISTRUT AND CABLE STRAPS TO SUPPORT RISER CABLES.
2.) ALTERNATE LAYOUT : USE OPEN SLAB BLOCK-OUT WITH FIRE-STOP PILLOWS USE VERTICALLY INSTALLED CABLE TRAY TO SUPPORT CABLES.

18 UNISTRUT CHANNEL BRACKET

DV-905 NOT TO SCALE

19 WORKSTATION CABLE SUPPORT

DV-905 NOT TO SCALE

20 J-HOOK CABLE SUPPORT (WALL MOUNTED)

DV-905 NOT TO SCALE NTI 099a DET

NOTE:
ACCESS PANEL OPTION TO BE PROVIDED & INSTALLED BY CABLING CONTRACTOR AS PART OF CABLING SYSTEM INSTALL REFER TO MANUFACTURER'S DOCUMENTATION FOR INSTALLATION APPLICATION. (SYSTEM SHALL HAVE NO VISIBLE SCREWS) MANUFACTURED BY SNAP EASE. PART # A04-006.

21 ACCESS PANEL

DV-905 NOT TO SCALE

22 GUESTROOM VOICE/DATA CABLING SCHEMATIC

DV-905 NOT TO SCALE (IF VoIP IS USED)

23 STUD OPENING

DV-905 NOT TO SCALE

24 LADDER RACK DETAILS

DV-905 NOT TO SCALE

25 LADDER RACK GROUNDING DETAIL

DV-905 NOT TO SCALE NTI 102a DET

26 GROUNDING BUS BAR DETAIL

DV-905 NOT TO SCALE NTI 102b DET

27 CONDUIT OR SLEEVE PENETRATION THRU WALL AND FLOOR

DV-905 NOT TO SCALE

KING COLE BUILDING HOTEL

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2	100% CD	02/28/2025

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PROJECT NO.

SHEET TITLE
INSTALLATION DETAILS -DATA/VOICE

SHEET NUMBER
DV-910