Actual Load 112
Capacity 170
Exit 4

1 Life Safety Plan - Level 1

1/8" = 1'-0"

Youth Fiction
Computers
RR 11
1325 SF
Stacks
526 SF
Youth Stacks
Youth
125
124
LS 9
127
128
Activities Room
Children's
871 SF

Youth Circulation Desk
Staff Workroom
FEC
9
114A
J.C. Fiction
4
FEC
87
Circulation Desk
Material Return
LS 10
152
938 SF

Entrance Foyer
Exit 3 Vestibule
Actual Load 152
Capacity 200
101
Width: 34"

A3-15 57
Adult New Materials
843 SF
Lobby
114
113
FEC
61
72
152
UP
DN
Circ Work Area

Head of Youth Services
123
122
12
78
129
152
30
Capacity 152
102
152

103
72
2
10
4
LS 33
3286 SF
Reading Room
Adult Fiction
First Floor
1167 SF
1704 SF
ILL Office
107
106
106B
36
48
1
1716
1724
1764
1785
1787
35
30
Capacity 170
119

Actual Load 119
Actual Load 119
Exit 5

Stair B Door
Head of Collections
Capacity 230
Capacity 230
Stair B
Width: 46"
Accessibility 521 CMR Massachusetts Architectural Access Board Regulations
Electrical 527 CMR 12.00 Massachusetts Code

Building 780 CMR: Massachusetts State Building Code, 9th Edition
Applicable Codes

Project Information

Project
Jones Library
Architect
Finegold Alexander
Interior Design
Berkshire Design Group
Acoustical Consultant
Acentech
Code Consultant
RSE Associates

Existing Building: Level 3 Alteration
Existing Construction: Type IIIB
S-1  (Book Storage)
S-2  (Library)
A-3  (Library)

Jones Library
Amherst, MA
Amended ASME A17.1-2013/CSA B44-13
Amended 2015 IEBC
Hampshire County

• Existing & New

Page 4 of 4
<table>
<thead>
<tr>
<th>IMAGE</th>
<th>PRINT</th>
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<th>BIRD</th>
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<td>AMERICAN GOLDFINCH</td>
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NOTES:
1. ALL DIMENSIONS PROVIDED AT (E) FRAMING ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY GC.
2. EXISTING STEEL ASSUMED TO BE ASTM A9, MAY BE WELDABLE WITH LOW-HYDROGEN ELECTRODES. COUPON TEST REQUIRED TO VERIFY STRENGTH AND WELDABILITY.
<table>
<thead>
<tr>
<th>Section</th>
<th>Location</th>
<th>Elevation</th>
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<tr>
<td>Top of Structure</td>
<td>T.O.S. 343'-11 1/2&quot; ±</td>
<td>B.O. BASE PLATE ELEVATION</td>
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<tr>
<td>Roof Level (N)</td>
<td>319' - 3&quot;</td>
<td>319' - 3&quot;</td>
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<tr>
<td>Roof Level (N) Low</td>
<td>354' - 1 1/2&quot;</td>
<td>362'-1 1/2&quot;</td>
</tr>
<tr>
<td>North Wing</td>
<td>364' - 1 1/2&quot;</td>
<td>364' - 1 1/2&quot;</td>
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**Column Locations**

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<th>Level G (N)</th>
<th>Level G (N)</th>
<th>Level G (N)</th>
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<td>344' - 9 1/2&quot;</td>
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<tr>
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**Column Sizes**

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<td>10&quot;x10&quot; GLULAM COLUMN</td>
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<td>W10x54</td>
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<tr>
<td>HSS6x6x1/2</td>
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</tbody>
</table>

**Notes**

- Finegold Alexander Architects
- Jones Library
- Document Number: S200
- Date: 12.08.23
NOTE: CONNECTION DESIGN SHALL BE ENGINEERED BY TIMBER PROVIDER. SEE PLANS FOR MEMBER SIZES, BEAM REACTIONS AND ADDITIONAL INFO.

BEAM TO GIRDER INSTALLATION

POST TO BEAM INSTALLATION

GLULAM BEAM PER PLAN

GRID

STEEL COLUMN PER SCHEDULE

STEEL BEAM PER PLAN

Perpendicular beams not shown for clarity

Standard shear tab connection

Connect glulam beam to steel post with fully concealed connection, engineered by timber provider.

Grid

T.O. Concrete

Base Plate

W Beam

Wood Column Per Schedule

Steel Stub post

1 1/4" thick top plate to match wood column size

B.O. Top Plate

T.O. Slab & Lag Screws

Note: Column base is by timber provider

1' - 0"

W Column

W Beam

1" column top plate

LWC on metal deck per plan

1 1/2" Typ

1 1/2" Typ

Grid

Grid

1' - 0"

1' - 0"

(4) ¾"Ø Straight Anchor Bolts with nut welded to end, 12" embedment.

1/4"Ø Lag Screws

3/16"Ø LAG Screws

⅜"Ø LAG Screws

⅜" Knive Plate 6" Tall Min, Shop Attached to RA. Horizontal slots

⅜" Knive Plate, 8" Tall Min Shop Attached to Bent Plate, Vertical slots.

½"Ø Erection Bolts

3/16"Ø Base Plate Plan Detail

1¼" Thick Base Plate

Wood Column & Steel plate above for reference

⅜"Ø Lag Screws

⅜" Bent Plate W/ Knife Plate Assembly, Hot Dip Galvanized

¼"Ø Lag Screws

⅜" Thick Relieving Angle, 4" Min Vertical Leg

½"Ø Erection Bolts

Field weld after adjustment and touch up galvanizing

⅜" Knive Plate 6" Tall Min, Shop Attached to BENT PLATE, VERTICAL SLOTS.

Jones Library - Construction Documents

Interior Design

Berkshire Design Group

Stefura Associates, Inc.

Owner:

Finegold Alexander Architects

Project Team:

Project Issue Date:

RSE Associates, Inc.

S300

Primary Member

Secondary Member

Section 1

Section 2

NOTE:

All steel in this section to be hot-dip galvanized

Provide support plates at 4ft O.C. Max.

Coordinate to stagger with posts of Sections 5 & 6

Install BENT plate tight with no gap between vertical leg and CLT. Use shims if required to achieve tight fit with no gap

½"Ø Erection Bolts

Field weld after adjustment and touch up galvanizing
1. #4 @ 12" OC MINIMUM NUMBER OF BOLTS, SEE TABLE.

2. FACTOR FOR CONVERSION OF LOADS FROM SERVICE TO ULTIMATE SHALL BE EQUAL TO 1.6. PER GENERAL NOTES.

3. VERIFY WITH ENG.

4. CENTERLINE TO RECEIVE #5B OR #6 @ 4'-0" OC.

5. SLAB THICKNESS MAX CLEAR COVER: 3/4" MIN, 1/3.

6. SHEET WELDED TO EACH DOUBLE ANGLE CONNECTIONS TO BEAM OR COLUMN BY DECKING CONTRACTOR.

7. NOTE: PROVIDE CLOSURE PL WHERE ADJACENT DECKS ARE AT.

8. SEE PLAN FOR LOCATIONS.

9. 3-12 3-12 OR BEAM SIZE "N". COORDINATE SIZE, LOCATION AND QUANTITY WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.

10. CONTRACTOR SHALL SELECT REINFORCEMENT OPTION BASED ON OPENING SIZE.

11. VERIFY WITH ENG.

12. #10 SCREW 13" MAX.

13. ALT: 8" O.C. MAX.

14. DECK       TO BEAM OR STOPPING AT BEAM.

15. TYPICAL DETAILS FOR SLAB DEPRESSION ON STEEL DECK.

16. WHERE LINTELS OCCUR IN EXTERIOR WALLS MINIMUM THICKNESS SHALL BE 5/16" AND ANGLES.

17. TO SUPPORT SLAB BETWEEN INDIVIDUAL SMALLER OPENINGS.

18. TO BEAM OR STOPPING AT BEAM.

19. DESIGN OF HSS, HSS BRACE SLOTTED AT CENTERLINE TO RECEIVE #5B OR #6 @ 4'-0" OC.

20. SEE PLAN (5/16" MIN THICK)

21. PLANS FOR LOCATIONS.

22. IN THIS AREA IN THIS AREA.

23. REMOVE 2 COURSES OF MASONRY BELOW BEARING WITH MORTAR WHERE POSSIBLE.

24. TO INSTALL LINTELS IN EXISTING MASONRY WALLS, SAWCUT MASONRY ON ONE SIDE AND PROVIDE AND INSTALL LINTEL ANGLES FOR MASONRY OPENINGS IN ACCORDANCE WITH THE STRUCTURAL MEMBERS OR PROVIDE SEPARATE SUPPORTS.

25. 8" MIN BEARING AT EACH END BUT NOT LESS THAN 1" PER FOOT OF SPAN. FILL 2 COURSES.

26. WHERE LINTELS OCCUR IN EXTERIOR WALLS MINIMUM THICKNESS SHALL BE 5/16" AND ANGLES.

27. MIN.

28. #5 x 6'-0" LONG AT CENTERLINE TO RECEIVE #5B OR #6 @ 4'-0" OC.
2" NON-SHRINK GROUT

TYPICAL WIDE FLANGE BASE PLATE DETAIL

MADE FROM SAME GRID

1 1/2" TYP

B

5/16 5/16

1 1/2" TYP

DIFFERENT DEPTH BEAMS

4"

3/4"Ø A325 S.C. GRID

MIN T&B

5/16 5/16

HOLES FOR ANCHOR BOLT BASE PLATE W/ 1-5/16"

MIN WASHER, UNO 3/4"

PL ON GRIDS, TYP.

TOP OF FOUNDATION

1 3"

ALT: ELIMINATE WT AND PROVIDE STIFF PLATES, ⌀ MIN T&B MAX A

TYPICAL MOMENT CONNECTION DETAILS

ARCHITECTURAL CONSTRAINTS.

TYPICAL COLUMN OR POST OVER BEAM 2 1/2" TYP

5/16 5/16 TYP

SHIMS

1.4.

3.

2.

1.

NOTE:

AT 0° F FOR OTHER BUILDINGS.

LBS AT 40° F FOR FULLY ENCLOSED AND HEATED BUILDINGS AND 20 FT-LBS CONNECTIONS SHALL HAVE A MINIMUM CHARPY V-NOTCH VALUE OF 20 FT-

CONNECTIONS.

EQUIVALENT DETAIL BY ENGINEER.

AS INDICATED ON DRAWINGS.

FILLER METAL USED IN CRITICAL WELDS IN BEAM TO COLUMN PROVIDE WEB REINFORCING WHERE REQUIRED DUE TO WEB CUTS FOR MOMENT PLATES SHALL BE 1/4" THICK MINIMUM.

WELDS AND BOLTS FOR MOMENT CONNECTION MUST DEVELOP MOMENTS A325 S.C. BOLTS A325 S.C. BOLTS

1" MIN PLATE W/4-3/4" AS COL

WT EA SIDE SAME SIZE AS REQUIRED TO MEET ARCHITECTURAL CONSTRAINTS.

WELDS MAY BE SUBSTITUTED FOR BOLTS AS REQUIRED.

NOTE:

PER GENERAL NOTES.

DESIGN MOMENT PLATES FOR THE FULL MOMENT CAPACITY OF THE SMALLER SHEAR CONNECTION SHALL BE DESIGNED FOR THE BEAM END REACTIONS

OPENING

1/4 1/4 TYP TYP

MIN RADIUS=1 1/2"

"W" (8 MIN, TYP)

PLATE EXTENSION

2" NON-SHRINK GROUT

GRID

SPLICE PLATE

HSS OR WF COL

TYPICAL BASE PLATE AT BF COLUMNS IN ACCORDANCE WITH SPECIFICATIONS AND DRAWINGS.

ALL BRACED FRAME CONNECTIONS SHALL BE DESIGNED

NOTE

3" = 1'-0" 6

1 1/2" = 1'-0" 6

4.1.2.5" = 1'-0" 8

1/2" = 1'-0" 8

S305
Demolition Plan - Garden Level

Demolition Graphics:
- Remove Elevator Door, Call Buttons, and associated infrastructure. Millwork frame at opening to be preserved and protected with plywood during demolition.
- Demolish concrete pad; grind floor slab smooth and even.
- Demolish wood platform in its entirety.
- Remove and dispose of wall base, floor finish, adhesives, mortars, and underlayment down to existing structural substrate. Carefully remove, document, and store wood wall base at ETR walls for reinstallation unless noted to remain in place.
- Refer to enlarged plan detail for scope of millwork demolition at this location.
- Carefully create opening in exterior wall for book drop. Coordinate size and location with owner.
- Carefully remove, document, protect & store in a climate-controlled environment existing safe door, all pieces of historic wood millwork window & door face trim at ETR doors & windows U.O.N.
- New opening. Remove sufficient masonry below floor slab to let in new floor assembly, surfaces smooth.

For Additional Information:
- GD40 Remove all bookcases and furnishings not attached to existing to remain walls prior to demolition. Refer to demolition photographs for clarification.
- GD37 Remove all miscellaneous metal brackets and anchors that are abandoned and not in use.
- GD36 Remove guard from the bottom tread to the column.
- GD32 Refer to applicable specification sections for detail of required repair and restoration for each finish.
- GD31 Confirm prior to removal of existing mechanical and electrical systems to be performed after disconnection from existing service.
- GD28 Coordinate all new masonry opening dimensions with architectural drawings, typical.
- GD22 For existing roofs to remain, remove all slate roofing, flashing, gutters, downspouts, snow guards, other associated components.
- GD18 For all site demolition scope, see civil drawings.
- GD15 All material indicated to be removed shall be disposed of in accordance with all applicable codes and regulations.
- GD14 Remove guard from the bottom tread to the column.
- GD13 Refer to app. specification sec. for detail of required repair and restoration for each finish.
- GD12 These demolition drawings have been compiled from the best available information and are not intended to represent the construction of this building or any of its systems.
- GD11 The scope of work has generally been indicated on the drawings for the contractor's information. It shall be kept to a minimum.
- GD10 The contractor will also protect from damage all existing material to be disturbed any work which is to remain.
- GD9 Leave area free and clear for the application of new work.
- GD8 Maintain temporary shoring and bracing as required during construction and placement of new elements.
- GD7 For all site demolition scope, see civil drawings.
- GD6 Refer to applicable specification sections for detail of required repair and restoration for each finish.
- GD5 All material indicated to be removed shall be disposed of in accordance with all applicable codes and regulations.
- GD4 Coordinate all new masonry opening dimensions with architectural drawings, typical.
- GD3 Confirm prior to removal of existing mechanical and electrical systems to be performed after disconnection from existing service.
- GD2 For all site demolition scope, see civil drawings.
- GD1 The scope of work has generally been indicated on the drawings for the contractor's information. It shall be kept to a minimum.
- GD0 Evenly load bearing walls to retain their load-bearing function.
- GD9 Leave area free and clear for the application of new work.
- GD8 Maintain temporary shoring and bracing as required during construction and placement of new elements.
- GD7 For all site demolition scope, see civil drawings.
- GD6 Refer to applicable specification sections for detail of required repair and restoration for each finish.
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- GD4 Coordinate all new masonry opening dimensions with architectural drawings, typical.
- GD3 Confirm prior to removal of existing mechanical and electrical systems to be performed after disconnection from existing service.
- GD2 For all site demolition scope, see civil drawings.
- GD1 The scope of work has generally been indicated on the drawings for the contractor's information. It shall be kept to a minimum.
D52 Remove Window And Associated Components. Preserve And Protect Historic Wood Millwork Surround
D47 Demolish And Dispose Of Door Stops @ Floor
D36 Demolish Concrete Pad; Grind Floor Slab Smooth And Even
D28 Remove And Dispose Of Floor Finish, Adhesives, Mortars And Underlayment Down To Existing
D23 Remove Slate Shingles Down To Substrate
D18 Demolish Bookcase
D14 Remove Guard From The Bottom Tread To The Column
D13 Demolish Copper Standing Seam Roof.
D12 Remove Window, All Related Components, And Existing Masonry Between Sill And Floor Slab For
D04 Saw Cut Wall In Preparation For New Opening. Coordinate With Layout Plans
D03 Saw Cut Concrete Floor To Trench New Utilities, Refer To MEP/FP Drawings
Notes - Demolition
Associated Infrastructure And Accessories. Refer To MEP Drawings And Reflected Ceiling Plans For
Demolish Plaster Wall Finish And Crown Molding Above Millwork. Refer To Demolition Photographs
For Clarification. Radiator
East Side To Be Carefully Removed, Documented And Stored For Re-Installation
New Opening. Remove Sufficient Masonry Below Floor Slab To Let In New Floor Assembly,
Surfaces Smooth
GD43 Safely Demolish And Dispose Of All Interior Plaster Finishes And Metal Lath Substrates At Existing To Remain
GD42 Prior To Abatement Of Interior Finishes, Carefully Remove, Document, Protect & Store In A Climate Controlled
GD45 Safely Demolish And Dispose Of All Interior Plaster Finishes And Metal Lath Substrates At Ceilings, U.O.N.
GD39 Demolish Interior Partitions Noted For Demolition From The Level Of Floor Slab To The Underside Of Structure
GD37 Remove All Miscellaneous Metal Brackets And Anchors That Are Abandoned And Not In Use.
GD33 Contractor Shall Provide Temporary Utilities Including But Not Limited To Water Service And Distribution,
Location.
The Integrity Of The Existing Structure. Such Work Is Subject To Review By The Structural Engineer.
GD18 For All Site Demolition Scope, See Civil Drawings.
GD12 Conduct All Work In A Manner Giving Prime Consideration To Protection Of The Public, Protection From The
Laws. Refer To The Project Specifications For Recycling Directives. The Owner Retains The Right To Claim
Remove Debris From The Building. Protect Exterior Wall With Fire Rated Plywood At Trash Chute Areas.
Maintain Temporary Shoring And Bracing As Required During Construction And Placement Of New Elements.
Contractor Shall Request Clarification From The Architect Of Any Dimensional Requirements As Necessary For The
GD1 The Scope Of Work Has Generally Been Indicated On The Drawings For The Contractor'S Information. It Shall
GD4 All Indications And Notifications On The Drawings Applying To One Area, Component Or Condition Shall Apply
GD31 Confirm Prior To Removal Of Existing Mechanical And Electrical Systems To Be Performed After Disconnection
GD2 These Demolition Drawings Have Been Compiled From The Best Available Information And Are Not Intended
GD27 Remove Existing Addition In Its Entirety Including But Not Limited To Floors, Foundation, Footings, Exterior And
GD26 Protect Existing Load Bearing Walls To Remain From Demolition Activities.
Demolition Plan - Level 3 & 4

- Remove Existing Windows, Associated Fasteners, Fittings, and Trim
- Remove Existing Doors, Frames, and Transoms
- Remove Existing Architectural Millwork, Casework, Shelving, and Trim
- Carefully Remove, Document, Store, and Protect Historic Wood Millwork Window Face Trim
- Refinish or Reinstall Wood Millwork Face Frame at ETR Walls
- Carefully Remove, Document, Store, and Protect Historic Wood Millwork Surround
- Carefully Remove, Document, Store, and Protect Historic Wood Millwork Face Frame at Opening
- Preserve and Protect Wood @ Jamb & Head
- Demolish Ceiling, Crown Molding, Light Fixtures, Ceiling Mounted Devices, Sprinkler Piping, and Drains
- East Side to Be Carefully Removed, Documented, and Stored for Re-Installation
- Pocket for Reinstallation
- GD3: The Contractor Shall Verify All Existing Conditions and Construction. Review with All Trades the Extent of Work Required. Leave Area Free and Clear for the Application of New Work.
- GD10: Refer to Sheet G001 for General Notes, Plan Reference System and Architectural Graphic Symbols.
- GD8: Only Workmen Skilled and Knowledgeable in Their Trades Shall Be Employed in the Demolition of Any Work.
- GD7: Contractor Shall Notify Architect of Any Discrepancies Between the Contract Documents and Existing Conditions.
- GD16: Contractor Shall Take Special Care to Demolish Only That Work Which Is Required and Not to Unnecessarily Alter or Damage Work Required to Accomplish New Work Shall Be Reused or Saved. Any Cuts and penetrations in Existing Work Required to Accomplish New Work Shall Be Carried Out With Care and the Wholesome Use of the Existing Work.
- GD22: For Existing Roofs to Remain, Remove All Slate Roofing, Flashing, Gutters, Downspouts, Snow Guards, Other Metal Work, and Exhaust Drains. Restore Roofs to Build-Up Per Certification and Existing Roof Details.
- GD23: Under No Condition Shall Any Existing Foundation Be Undermined or Any Structural Member Altered in Any Way That Adversely Affects Existing Construction To Remain. Removal of Concrete Encasement At Existing Foundations Shall Be Performed Carefully and Temporarily to Avoid Damage to Adjacent Structures. Voided or Cut Concrete Footings Shall Be Cleaned of Mortar and Reused or Saved.
- GD15: Special Protection Required At Historic Stair: Stair and Handrail Components. Typical At This Stair. Refer to Demolition Photographs. Special Attention Required to Historic Archways, Columns, and Stairway Railings. Eave and Rake Frieze to Be Removed, Documented, and Stored in a Climate Controlled Environment for Reinstallation.
- GD14: Remove Guard From The Bottom Tread To The Column
- GD13: Demolish Stairs, Landings, Railings, Gates and Other Components in Their Entirety
- GD12: Refer to Sheet D001 For General Notes, Plan Reference System and Architectural Graphic Symbols.
- GD1: Demolish Floor Slab and Any Associated Columns, Column Caps, Or Foundations. Refer to Structural Notes - Demolition
- GD32: Demolish Ceiling, Crown Molding, Light Fixtures, Ceiling Mounted Devices, Sprinkler Piping, and Drains

Demolition Plan - Level 3

- Demolish Ceiling. Preserve & Protect Plaster Crown Molding In Place With Plywood During Demolition
- Preserve And Protect Historic Wood Millwork Surround

Demolition Plan - Level 4

- Remove Elevator Door, Call Buttons, And Associated Infrastructure. Millwork Frame At Opening To Be Demolished
- Preserve And Protect With Plywood All Elements Of Wood Millwork Shelving And Trim Along Length Of Wall During Demolition And Construction, Including Plaster Wall Finish Behind Wood Millwork. Preserve And Protect Historic Wood Millwork Surround

Notes - General Demolition
- GD9: Contractor Shall Proceed With Care and If Necessary Employ Additional Support and Shoring to Prevent Damage to Surrounding Structures. In A Communication with the Architect Shall Be Made to Prearrange Support and Shoring at Locations Where Additional Support Shall Be Necessary.
- GD10: Refer to Sheet G001 For General Notes, Plan Reference System and Architectural Graphic Symbols.
- GD8: Only Workmen Skilled and Knowledgeable in Their Trades Shall Be Employed in the Demolition of Any Work.
- GD7: Contractor Shall Notify Architect of Any Discrepancies Between the Contract Documents and Existing Conditions.
- GD16: Contractor Shall Take Special Care to Demolish Only That Work Which Is Required and Not to Unnecessarily Alter or Damage Work Required to Accomplish New Work Shall Be Reused or Saved. Any Cuts and penetrations in Existing Work Required to Accomplish New Work Shall Be Carried Out With Care and the Wholesome Use of the Existing Work.
- GD22: For Existing Roofs to Remain, Remove All Slate Roofing, Flashing, Gutters, Downspouts, Snow Guards, Other Metal Work, and Exhaust Drains. Restore Roofs to Build-Up Per Certification and Existing Roof Details.
- GD23: Under No Condition Shall Any Existing Foundation Be Undermined or Any Structural Member Altered in Any Way That Adversely Affects Existing Construction To Remain. Removal of Concrete Encasement At Existing Foundations Shall Be Performed Carefully and Temporarily to Avoid Damage to Adjacent Structures. Voided or Cut Concrete Footings Shall Be Cleaned of Mortar and Reused or Saved.
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- GD14: Remove Guard From The Bottom Tread To The Column
- GD13: Demolish Stairs, Landings, Railings, Gates and Other Components in Their Entirety
- GD12: Refer to Sheet D001 For General Notes, Plan Reference System and Architectural Graphic Symbols.
- GD1: Demolish Floor Slab and Any Associated Columns, Column Caps, Or Foundations. Refer to Structural Notes - Demolition
Preserve & Protect Wood at Jambs & Head, Typ. at All Windows U.O.N.

Demolish Millwork Surround @ Rem. U.O.N.

Masonry Behind Plaster Finish To Walls U.O.N. Wall Studs And/Or Lath Substrates At Existing To Remain Down To Existing Structural Substrate. Carefully Remove, Document And Store Wood Wall Base At ETR Walls For Re-Installation

Remove And Dispose Of Floor Finish, Adhesives, Mortars And Underlayment Down To Existing Structural Substrate.

Demolish Ceiling. Remove All Existing Light Fixtures, Ceiling Mounted Devices, Sprinkler Piping, And Ceiling Mounted Devices

Preserve & Protect W/ Plywood Domed Portion Of Ceiling Above Historic Window

Carefully Remove, Preserve & Store Mural In a Climate Controlled Environment

First Floor Reading Room 106 - South Elevation

First Floor Reading Room 106 - West Elevation

First Floor Reading Room 106 - East Elevation

First Floor Reading Room 106 - North Elevation

General Notes:
Refer To Demolition Plans And Demolition RCP's For Demolition Scope Sequence Of Interior Demolition.

1. Existing Historic Millwork Surround and Architectural Details to be Documented In-Place and Prepared For Reinstallation During Re-Construction.

2. Historic Wood Millwork To Be Preserved & Protected During Demolition

3. Demolish Interior Partitions Noted For Demolition From The Level Of Floor Slab To The Underside Of Structure Above.

4. Verify Height In Field Up To Bottom Of Structure Of Level 2.

5. Refer To A603 For Floor Assemblies
Goodwin Reading Room 302 - East Elevation

General Notes:

1. Carefully Remove, Document & Store Wd Wall Trim & Paneling @ Stair In a Climate Controlled Environment
2. Remove Shelving Not Attached To Wall; Typ. Throughout Room, U.O.N.
3. Safely Demolish And Dispose Of All Interior Plaster Finishes And Metal Lath Substrates At Existing To Remain Walls U.O.N. Wall Studs And/Or Masonry Behind Plaster Finish To Remain U.O.N.

Legend:

- Wd Wall Trim & Paneling
- Historic Wd MW
- Fireplace Surround
- Demolish Object / Interior Partition / Millwork
- Demolish Wall / Ceiling / Floor Finish
- Down To Existing Structural Substrate.
- Demolish Wall Base

Interior Demolition

Parts 1, 2, 3

Corridor 301 - West Elevation

Corridor 302 - East Elevation

Corridor 302 - West Elevation

Goodwin Reading Room 303A

Staff Kitchen

Locker Area

3rd Floor Key Plan

Photos

Interior Demolition

PROJECT TEAM:

Finegold Alexander Architects
Amherst, MA 01002
CHECKED BY:

PROJECT STATUS:

ISSUE DATE:

PROJECT #:

SEAL:

- Acoustical Consultant
- Code Consultant
- Interior Design
- Landscape Architect/Civil Engineer
- MEP FP Engineer

- Acoustical Consultant
- Code Consultant
- Interior Design
- Landscape Architect/Civil Engineer
- MEP FP Engineer

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Boston, MA 02114
(617) 723-5164
www.stefura.com

AW11186
AD213
Key Notes - Edge of Slab Plan

GS01 - All Slab Plan Reference Dimensions

GS02 - Contractors to Coordinate Final Construction Dimensions of Shaft Openings, Other Slab Openings, Slab Penetrations, Structural Penetrations, and Boxout with Architectural Floor Plans, Structural Framing Plans and All MEP/FP Plans.

GS03 - Typical Slab Finish to be Trowel Finish UON.

GS04 - Furnish and Install Caulking at Exposed Joints at the Interior Concrete Slab on Grade.

Notes - General Edge of Slab

GS01 - All Dimensions are Reference for Concrete, Steel and CLT Scope Pricing Only. Final Dimensions for Construction to be Coordinated.

GS02 - Furnish and Install Shrinkage Control Joints at Slab Joints:
- 1 per 100 square feet
- 1 per 200 linear feet

GS03 - Sump Pit at Shaft Location

GS04 - Furnish and Install Concrete Screed Bonnet.
Key Notes - Edge of Slab Plan

GS01 All slab Plan to Reference Drawings

GS02 Provide Secure Floor Penetration at Slab Edge at Shaft Openings and Structural Penetrations

GS03 Typical Slab Finish to be Trowel Finish UON.

GS04 Furnish and Install Caulking at Exposed Joints at the Interior Concrete Slab on Grade.
Notes - General Edge of Slab

S01 Infill Slab, Refer To Structural Drawings

S02 Prep Existing Floor Slab To Achieve Flatness Within GD&T Tolerance, And To Receive Specified Floor Finish. Provide Cementitious Overlay To Achieve Level & Flat Floor Throughout. Floor Finish Elevation To Match Existing

S03 Prep Existing Floor Assembly To Achieve Flatness Within GD&T Tolerance, And To Receive Specified Floor Finish. At Floor Assemblies W/ Wood Substrate, Provide Plywood To Infill Or Replace Areas Of Missing, Damaged Or Deflected Substrate. At Concrete Floor Assemblies, Provide Cementitious Overlay To Achieve Level & Flat Floor Throughout. Floor Finish Elevation To Match Existing

Key Notes - Edge of Slab Plan

GS01 All Dimensions in Slab Plans are Reference for Concrete, Steel and CLT Scope Pricing Only. Final Dimensions for Construction to be Coordinated.

GS02 Contractors to Coordinate Final Construction Dimensions of Shaft Openings, Other Slab Openings, Slab Penetrations, Structural Penetrations, and Boxout with Architectural Floor Plans, Structural Framing Plans and All MEP/FP Plans.

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GS03: Typical Slab Finish to be Trowel Finish UON.

GS04: Furnish and Install Caulking at Exposed Joints at the Interior Concrete Slab on Grade.

Key Notes - Edge of Slab Plan

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GS03 Typical Slab Finish to be Trowel Finish UON.
GS04 Furnish and Install Caulking at Exposed Joints at the Interior Concrete Slab on Grade.
1 Section at Vertical Standing Seam Wall
Roofs

Typical Synthetic Slate Assembly At All Existing

- Roof Plane
- Synthetic Slate Shingle
- Ice & Water Composite
- 3/4" Plywood
- Existing Concrete Roof Structure

RATING

UL

STC

UL

RATING

RF3

RF4

RF5

RF6

RF7

 existing floor

Addition

Typical Slab On Grade At Addition

Rigid Insulation Over 1.5" Metal Deck At Addition

1'-6"

6 1/4"

1 1/2"

6 1/4"

1/2" Gypsum Wallboard, Ptd.

Mtl Decking

Gypsum Sheathing Board

Vapor Retarder

Polyisocyanurate Insulation Board

6" Z Girts

Standing Seam Sheet Metal Roofing

Inch Gypsum Concrete Topping Slab

Laminated Timber Deck,

-10"

6 1/4"

1 1/2"

6"

1/2" Gypsum Wallboard, Ptd.

Mtl Decking

Gypsum Sheathing Board

Vapor Retarder

Polyisocyanurate Insulation Board

6" Z Girts

Standing Seam Sheet Metal Roofing

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Mtl Decking

Gypsum Sheathing Board

Vapor Retarder

Polyisocyanurate Insulation Board

6" Z Girts

Standing Seam Sheet Metal Roofing

Inch Gypsum Concrete Topping Slab

Laminated Timber Deck,
11 Typ. Stair Base at Wall Return
Steel Angle Welded to Stringer
Cont. Support Angles at Each
Integrated Photoluminescent
Concrete Filled Steel Pan Stair & Ptd. Steel Pipe Railing 1-1/2"
Nosings & Risers - Typ.
1" = 1'-0"
and Fastened to Floor
Riser
O.D.
Strip
34" - 38"
1'-11"
Max.
11"
Painted MC Steel Stringer Beyond Ptd Steel Support Structure for Cont. Support Angles at Each
At CLT Floor Assembly, Anchor Concrete Filled Steel Pan Stair & Angle To Edge of Slab
1" = 1'-0"
Tread - Typ.
3'-6"
Riser
1 1/2" = 1'-0"
Paint Grade Cont. Sealant
Core Wall, See Struct. Dwgs.
Max. Engineered by Stair Manuf.
12 " Painted Steel Channel Weld to Stringer at Each
5 Detail - Bottom Tread At Level
6 Typ. Bottom Stair at Concrete Filled Steel Pan
Cont. Support Angles, See Finish Schedule
2 Typ. Bottom Stair at Concrete Landing
1/2" O.D. Ptd. Stl. Pipe Railing for Rail, Grind Smooth Ptd. 1-1/2" O.D. Pipe Rail Posts @ 48" O.C. Max. W/ Ptd. 42" Stl. Guard Rail: 1-1/2" O.D. Concrete Filled Steel Pan Stair & Riser, 1" = 1'-0"
Beyond 34" - 38"
5"
Grind Smooth
Weld Posts to Stringer, Grind Smooth, Ptd.
Ptd. 1-1/2" O.D. Pipe Rail, Weld and Bolts & Welded to Steel Plate to Rail, Grind Smooth
Ptd. 12" Steel MC Stringer
Paint Grade Cont. Sealant
Resilient Landings, Treads, Nosings & Risers - Typ.
Carpet, Resilient Flooring Over Concrete
Painted MC Stl. Stringer Beyond Ptd Steel Support Structure for Cont. Support Angles at Each
Resilient Flooring Over Concrete At Conc. Slab, Anchor Angle To Edge of Slab
1" = 1'-0"
Varies Max.
34" - 38"
4" O.C.
Max.
11" 1" Typ.
2" Typ.
4" O.C.
Max.
2" Typ.
4"  O.C.
Max.
2" Typ.
4" O.C.
Max.
2" Typ.
4" O.C.
Max.
7 Typ. Stair Landing Elevation
Pipe Rail Posts @ 48" O.C. Max. W/ 5/8" Pts Stl. Pickets @ 4" O.C. Max
Ptd. 42" Stl. Guard Rail 1-1/2" O.D.
Stair Details
10 Typ. Stair Cross Section at Guardrail and Handrail
9 Typ. Stair Base at Center Return
8 Typ. Stair Base at Wall Return
7 Typ. Stair Landing Elevation
6 Typ. Bottom Stair at Concrete Filled Steel Pan
5 Top - Bottom Tread At Level
4 Typ. Top Stair at Concrete Filled Steel Pan
3 Detail - Conc. & Metal Pan Treads and Risers
2 Typ. Bottom Stair at Concrete Landing
1 Detail - Bottom of Run at Landing
311 Great Road
BLW Engineers, Inc.
Boston, MA 02114
(978) 486-4301
www.blwengineers.com
Code Consultant
Mark T. Wilhelm
43 Amity Street
Stefura Associates, Inc.
Amherst, MA 01002
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www.rseassociates.com
Specifications Consultant
KEvin E. Fassnacht
311 Great Road
BLW Engineers, Inc.
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(978) 486-4301
www.blwengineers.com
MEP FP Engineer
RSE Associates, Inc.
Code Consultant
(413) 582-7000
www.rseassociates.com
Stair Details
Notes - General Bathroom:
- A18 Surface Mounted Mirror
- A16 Recessed Baby Changing Station
- A11 Double Hook
- A10 Hand Dryer
- A9 Floor Mounted Mop Sink
- A8 Soap Dispenser
- A6 Surface Mounted Vanity
- A4 Tissue Dispenser
- A3 Grab Bar
- A2 Wall Mounted Millwork Shelving

B2 Provide Blocking In Walls For All Toilet Accessories And For Wall Hung Vanities.
B4 All Tiled Areas To Receive Fiber Cement Backerboard Substrate. Provide Thinset.
Shaft Opening

A501

4 5/8"

2'-8"

4 5/8"

5'-7 3/8"

Continuous Vertical Mechanical Shaft. Coordinate all Opening Penetrations with Mechanical.

Level 2 (N)

344'

- 9 1/2"

Level 1

330'

- 9"

Interior Details
Solid Surface Countertop & Integrated Backsplash At GWB Side

See Plumbing Dwgs. For Faucet & 4" Backsplash On 3/4" Plywood

Omit End Panel, Where Vanity Held On (2) 3/4" Plywood Fins

Countertop And For Plumbing Through Angles As Req. For 12/7/2023 8:27:28 PM

Undermount Sink Info

Installation - Typ.

9 Adjustable Shelving Detail, Typ.

1/2" Plywood Back Panel w/ P-Lam on All Surfaces, Typ.

1/2" Plywood Adjustable Shelves, Typ.

Cabinet Door Pull, (Ref. to Specs)

3/4" Plywood Top w/ P-Lam on All Surfaces, Typ.

1/2" Plywood Back Panel w/ P-Lam Finish on All Surfaces, Typ.

Cont. Veneer Ply Face Trim w/ Continuous Plywood Toe Kick

3/4" Plywood Adjustable Shelves w/ P-Lam Veneer on All Surfaces, Typ.

3/4" Plywood Shelf w/ 3/4" P-Lam Finish on All Surfaces, Typ.

Cabinets - Typ.

1/2" Plywood Back Panel w/ P-Lam Door

Overlay Door Hinge, Typ.

3/4" Plywood Adjustable Shelves, Typ.

Shelf Standards, Typ.

Cabinet Door Pull, (Ref. to Specs)

Corners By End Panels w/ P-Lam Finish on All Surfaces, Typ.

Let Into Dividers and Closed at Reference Elevation

Silicone Sealant Btwn Scheduled Partition

3/4" Veneer P-Lam Plywood

Continuous 1 x 3 Cleat Screw Standards, Typ.

3/4" Plywood Adjustable Shelves, Typ.

3/4" Veneer P-Lam Plywood Side, Typ.

Shelf Brackets, Typ.

Bracket at Ea. Shelf Between Shelf Support Brackets

Heavy-Duty Pre-Finished Stl. & Wire Mgmt. Tray

Provide Cont. In-Wall Cont. Primed 3x2x1/2 FRT Blocking / Support as

Counter Supports - Typ.

Spacing - Typ.

Stl. Angle Counter

Casework Details

10 Accessible Base Cabinet w/ Sink

4 Base Cabinet w/ 4 Drawers Detail

1 Accessible Base Cabinet w/ Drawer Detail, Typ.

7 Storage Cabinet Detail, Typ.

6 Adjustable Shelving Detail, Typ.

5 Accessible Base Cabinet w/ Drawer Detail, Typ.

4 Accessible Base Cabinet w/ Drawer Detail, Typ.

1 Accessible Base Cabinet w/ Sink

10 Accessible Base Cabinet w/ Sink

8 Counter Detail

1 Accessible Base Cabinet w/ Sink

9 Adjustable Shelving Detail, Typ.

7 Storage Cabinet Detail, Typ.

4 Base Cabinet w/ 4 Drawers Detail

1 Accessible Base Cabinet w/ Sink

10 Accessible Base Cabinet w/ Sink

8 Counter Detail

1 Accessible Base Cabinet w/ Sink
Millwork Details

PROJECT INFORMATION:

PROJECT #:

OWNER:

CODE CONSULTANT:

Acentech
Cambridge, MA 02138

Architects

10 Doaks Lane
Northampton, MA 01060

Acoustical Consultant

Architects

311 Great Road
Littleton, MA 01460

Power/Data Receptacles In Field W/ Molding

Receptacles. Coord. Location Of Continuous FRT

1/2" Cement Board

Blocking, Typ.

Continuous FRT

Solid Sheet Porcelain

3 5/8" Mtl. Studs

PROJECT TEAM:

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Finegold Alexander

Cambridge, MA 02138
Acentech

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(617) 926-9300
www.hastings-consulting.com
Hastings Consulting, Inc.

142 Hanlon Road
Holliston, MA 01746

Acoustical Consultant

S.S. Flat Stock

Blocking, Typ.

Continuous FRT

Solid Sheet Porcelain

3 5/8" Mtl. Studs

PROJECT INFORMATION:

SHEET #:

0

CHECKED BY:

ISSUE DATE:

01/01/2023

PROJECT INFORMATION:

SEAL:

MILLWORK DETAILS:

Millwork Details

PROJECT INFORMATION:

SHEET #:

0

CHECKED BY:

ISSUE DATE:

01/01/2023

PROJECT INFORMATION:

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SEAL:

MILLWORK DETAILS:

Millwork Details

PROJECT INFORMATION:

SHEET #:

0

CHECKED BY:

ISSUE DATE:

01/01/2023

PROJECT INFORMATION:

SEAL:
### Door Schedule

<table>
<thead>
<tr>
<th>Mark</th>
<th>Wd/WxH</th>
<th>Finish Code</th>
<th>Panel Type</th>
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#### General Notes
1. All doors are single-leaf, full-height, hollow metal frames with non-combustible door cores.
2. All doors are equipped with Panic Hardware, Panic Bar systems, and Panic Bar systems for fire doors.
3. All doors are equipped with Panic Bar systems for fire doors.
4. All doors are equipped with Panic Bar systems for fire doors.
5. All doors are equipped with Panic Bar systems for fire doors.
6. All doors are equipped with Panic Bar systems for fire doors.
7. All doors are equipped with Panic Bar systems for fire doors.
8. All doors are equipped with Panic Bar systems for fire doors.
9. All doors are equipped with Panic Bar systems for fire doors.
10. All doors are equipped with Panic Bar systems for fire doors.

#### Door Panel Types
- **WDF**: Wood Frame Full Glass Lite
- **WDV**: Wood Frame Full Vision Lite
- **WDFG**: Wood Frame Full Glass Lite

#### Door Frame Types
- **HM1**: Hollow Metal Frame, Mitered and Corner Jamb
- **HM2**: Hollow Metal Frame, Mitered and Corner Jamb
- **HM3**: Hollow Metal Frame, Mitered and Corner Jamb
- **OH**: Openings
- **IS_**: Interior Component

#### Abbreviations
- **CT**: Paint
- **GR**: Glass
- **NS**: None
- **WD**: Wood
- **CF**: Corner Frame
- **IS**: Interior Component
1. Aluminum Frame Door Jamb at Sidelight
2. Door Head At Transom - ISF
3. Door Head - ISF
4. Door Head/Jamb HM3 - WD Trim (1) Side
5. Door Head/Jamb HM2
6. Door Head/Jamb HM1
7. Door Head - HM2
8. Door Head - HM1
9. Door Head at Transom - ISF
10. Aluminum Frame Door Jamb

Aluminum Header Channel
Aluminum Snap-on Trim
Aluminum Snap-in Glazing base

Door as Scheduled
1/4" Glass. Provide Safety Door as Scheduled.

Aluminum Jamb/ Mullion Channel
Aluminum Snap-on Trim

Provide Double Studs

See Partition Type

Hdwd Door Casing
5/8" Frt Plywood

Public

Non

Frame, Painted

Door - Refer to Schedule

Jamb Beyond
Frame, Painted

Door - Refer to Schedule

Wall Anchors as Specified, Typ.

Standard Hollow Metal Partition Construction
Hdwd Door Casing
Gauge jambs, Typ. See Specs for Double Stud at Door

See Partition Type For

- 3 1/2" At Jamb

- 1 15/16"

See Partition Type

Varies

Varies

Varies

1/4"

5/8" Frt Plywood

3 1/2" At Jamb

1 15/16"

4 1/2"

4 Door Head/Jamb HM3

3 Door Jamb - HM2

2 Door Head - HM2

1 Door Head/Jamb - HM1

3" = 1'-0"

1/2"

2 1/8"

3/8"

2 1/2"
3 5/8" Metal Stud
Adj. Masonry-Vnr Anchor
1/2" Frt Plywd
Wd Base, Stained; Scribe

To Floor

Ptd. Brick. Dimensions, Spacing & Finish To Match Exist. Adjacent

Gypsum Sheathing Board
Sill; Profile & Finish To Match Exist. Adjacent Window Sill

Wd Millwork Panel; Profile & Finish To Match MW Panel @ Adjacent Window

Wd Trim Ptd. To Match Exist. Adjacent Wd Frame

Exist. Wall Assembly
Exist. Wd Frame
Exist. Wd MW Panel
Exist. Adj. Window

Match Dimension @ Wd MW Trim; Finish To Match Exist. Adjacent MW Surround

Wd Window; Dimensions, Profiles, Finish, Etc. To Match Exist. Adjacent

Fill Window Weight Pocket With Spray Foam
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<td>CPT-1</td>
<td>RB PT-1</td>
<td>ACT</td>
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<tr>
<td>219</td>
<td>HEAD OF PROGRAMMING</td>
<td>CPT-1 EXTG WOOD</td>
<td>RB PT-1</td>
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<tr>
<td>220</td>
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<td>EXTG WOOD</td>
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<tr>
<td>221</td>
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<td>RB PT-1</td>
<td>ACT</td>
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<tr>
<td>222</td>
<td>ADULT READING ROOM EAST</td>
<td>EXTG WOOD, RB PT-1</td>
<td>ACT</td>
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<tr>
<td>223</td>
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<td>ACT</td>
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<tr>
<td>225</td>
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<tr>
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<td>230B</td>
<td>BUSINESS MANAGER</td>
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<tr>
<td>233</td>
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<td>EXTG WOOD</td>
<td>RB PT-1</td>
<td>ACT</td>
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</tbody>
</table>
Goodwin Room / Meeting Room
Corridor
Closet
Staff Break Room
Staff Kitchen
Mother's Room
Locker Area
Janitor
WC
Staff WC
Stair C
Elev.
007A
ALL SPRINKLER HEADS WITHIN DWELLING AREAS SHALL BE LISTED RESIDENTIAL SPRINKLERS. ALL SPRINKLER HEADS OUTSIDE OF DWELLING AREAS DESIGN DENSITIES AS WELL AS THE NUMBER OF SPRINKLER HEADS IN ALL AREAS OF OPERATION THAT WILL BE USED TO CREATE THE SPRINKLER CONTRACTORS OF ALL SPRINKLER HEADS.

THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL SPRINKLER HEAD SUPPLY DROPS OR SPRIG UP RISERS TO AND INCLUDING FINAL CONNECTION TO THE CEILING TYPES AND FINISHES PRIOR TO PURCHASE AND INSTALLATION OF THE SPRINKLER HEADS.

THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE LOCAL FIRE DEPARTMENT FOR ALL REQUIREMENTS FOR APPROVAL AND WITH NFPA-13. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL WATER AUTHORITY FOR THE FLOW TEST.

ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. DRAWINGS NECESSARY IN CONJUNCTION WITH THE COORDINATION WITH THE EXISTING BUILDING CONDITIONS AND AT NO EXTRA COST TO THE CONTRACT.

EXISTING CONDITIONS:

THE FIRE PROTECTION DRAWINGS ARE NOT INTENDED TO SHOW ANY CEILING CONDITIONS, CEILING GRIDS, CEILING TILES, LIGHT FIXTURES, HVAC DIFFUSERS OR ANY OTHER CEILING DETAILS.

AUTHORITY FOR PERMIT, THE BUILDING DEPARTMENT AND THE OWNERS INSURANCE AUTHORITY FOR APPROVAL. THE SPRINKLER CONTRACTOR SHALL OBTAIN THE PERMIT AND ALL WORK PERFORMED SHALL CONFORM TO THE APPLICABLE SECTIONS OF CONTRACTORS ENGINEERED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS AND ALL SUPPORTING MATERIAL, ALL AS DESCRIBED ABOVE, TO THE LOCAL FIRE DEPARTMENT.

COORDINATE WITH ALL OTHER TRADES BEFORE WORK BEGINS TO INSURE THAT NO INTERFERENCE’S EXISTS AND THAT ALL COMPONENTS OF THE SPRINKLER SYSTEM WILL FIT INTO THE SPACE. CONTRACTOR SHALL PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE WALLS AS WELL AS ALL RULES AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION.

THE MECHANICAL AND ELECTRICAL DRAWINGS AND AT NO EXTRA COST TO THE CONTRACT.

THE CONTRACTOR SHALL PROVIDE A FIRE DEPARTMENT PERSONNEL STAFFED “FIRE WATCH” DURING ALL WELDING OPERATIONS. THE FIRE DEPARTMENT CONNECTION TYPE AND LOCATION SHALL BE APPROVED BY THE LOCAL FIRE DEPARTMENT PRIOR TO PURCHASE AND INSTALLATION.

THE DRAWINGS ARE NOT INTENDED TO SHOW EXACT SPRINKLER HEADS LOCATIONS, NUMBER OF SPRINKLER HEADS, OR THE EXACT ROUTING OF PIPING. THIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

DONE PRIOR TO THE COMMENCEMENT OF ANY SPRINKLER WORK. AN ADDITIONAL SET OF PLANS AND SET OF WORKING FIRE PROTECTION SYSTEM SHOP DRAWINGS IN ACCORDANCE WITH NFPA 13. THE SYSTEM HAS BEEN FILLED OUT AND SIGNED. FLUSHING REPORTS OF THE SITE WATER MAINS SHALL BE OBTAINED BY THE SPRINKLER CONTRACTOR AND THE SPRINKLER CONTRACTOR.

COORDINATING WITH THE ARCHITECTURAL DRAWINGS FOR CEILINGS, CEILING SPACES AND ROOMS.

CLEAN AGENT SYSTEM CONTROL STATION

KIDDE FLOURO-K CLEAN AGENT PIPING

FLOW DATA

GENERAL DESIGN CRITERIA

SPECIFICATIONS

FIRE PROTECTION

FLOW DATA

GENERAL DESIGN CRITERIA

ABREVIATIONS

CLEAN AGENT LEGEND

NOTES

3. ALL ABOVE GROUND PIPING 1-INCH SHALL BE SCHEDULE 40 BLACK STEEL WITH 5. ALL HANGERS SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE. ALL HANGERS AND RODS SHALL BE HOT DIPPED GALVANIZED. BAND TYPE HANGERS SHALL BE USED FOR SIZES 3-INCH AND SMALLER. CLEVIS TYPE HANGERS SHALL BE USED FOR PIPE SLEEVES SHALL BE GALVANIZED STEEL FOR OUTDOOR OR UNDERGROUND BUTTERFLY VALVE WITH INTEGRAL TAMPER SWITCH CHECK VALVE DOUBLE CHECK VALVE BACKFLOW PREVENTER FDC WET PIPE SYSTEM SPRINKLER PIPING ABOVE FLOOR UNDERGROUND FIRE PROTECTION MAIN - BUILDING SERVICE FDS CHECK VALVE INSPECTORS COMBINATION TEST AND DRAIN ASSEMBLY FDC INSPECTION VALVE WET PIPING SYSTEM SPRINKLER PIPING ABOVE FLOOR UNDERGROUND FIRE PROTECTION MAIN - BUILDING SERVICE FDS INSPECTION VALVE WET PIPING SYSTEM SPRINKLER PIPING ABOVE FLOOR UNDERGROUND FIRE PROTECTION MAIN - BUILDING SERVICE FDS INSPECTION VALVE WET PIPING SYSTEM SPRINKLER PIPING ABOVE FLOOR UNDERGROUND FIRE PROTECTION MAIN - BUILDING SERVICE FDS INSPECTION VALVE WET PIPING SYSTEM SPRINKLER PIPING ABOVE FLOOR UNDERGROUND FIRE PROTECTION MAIN - BUILDING SERVICE FDS INSPECTION VALVE WET PIPING SYSTEM SPRINKLER PIPING ABOVE FLOOR UNDERGROUND FIRE PROTECTION MAIN - BUILDING SERVICE FDS INSPECTION VALVE WET PIPING SYSTEM SPRINKLER PIPING ABOVE FLOOR UNDERGROUND FIRE PROTECTION MAIN - 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1. Install Link-Seal on both ends of the core drilled opening.

2. Provide water tight 6" retainer flange with 1" outlet tee fitting. "Outlet tee fitting shall not be allowed."

3. All sidewall sprinkler heads shall be installed in accordance with 1. and on both sides of floor slab equal to EBAA Iron Megalug Series.

4. In incoming water service installation shall conform to all local & state regulations.

5. Sprinkler system incoming service, shall be determined in field on the architectural drawings for sizes, see note 1.

6. Sprinkler main or branch pipe. See plans for sizes.

7. Pressure relief valve with tamper switch.

8. 2" Sprinkler drain valve to outside connection, outside.

9. 2" Sprinkler drain to outside of building.

10. 2" Sprinkler supply. Exact length shall be determined in field."

11. ALL APPURTENANCES REQUIRED WITH ALL VALVES, TRIM, GAUGES, AND TAMPER SWITCH.

12. Buttefly valve with 6" double check valve assembly, seal.

13. With all valves, trim, gauges, and tamper switch.

14. 6" wet system alarm check valve (TYP.)

15. All sprinklers heads shall be installed in accordance with 1.

16. Sprinkler contractor shall coordinate with architect for approval. Written approval of all sprinkler head finishes prior to the commencement of any sprinkler work shall be obtained by the sprinkler contractor from the architect.

17. Sprinkler contractor shall submit all sprinkler head finishes to the architect for approval. Written approval of all sprinkler head finishes prior to the commencement of any sprinkler work shall be obtained by the sprinkler contractor from the architect.

18. Notes:

- Pressures relief valve
- Pressure gauges
- Vane type flow switch
- Sprinkler main to floor zone sprinklers
- Pressure relief valve
- Service entrance detail.
EXISTING 6" FIRE SERVICE
EXISTING PRE-ACTION VALVE AND RISER
EXISTING DOUBLE CHECK BACKFLOW PREVENTER

FPDCBP 1" UP
1" UP
1/8"=1'-0"

DEMOLITION NOTES:
1. EXISTING SPRINKLERS, PIPING, HANGERS AND HARDWARE TO BE REMOVED.
2. EXISTING RISER, VALVES, PRE-ACTION SYSTEM AND COMPONENTS TO BE REMOVED BACK TO THE POINT OF ENTRY INTO THE BUILDING.
1. EXISTING SPRINKLERS, PIPING, HANGERS AND HARDWARE TO BE REMOVED.
2. EXISTING FIRE DEPT. CONNECTION, ELECTRIC BELL, WATER MOTOR GONG TO BE REMOVED.

DEMOLOTION NOTES:

OPEN TO ABOVE EXISTING FIRE DEPT. CONNECTION
EXISTING ELECTRIC BELL
EXISTING WATER MOTOR GONG
EXISTING POST INDICATOR VALVE
DEMOLITION NOTES:

1. EXISTING SPRINKLERS, PIPING, HANGERS AND HARDWARE TO BE REMOVED.
1. Existing sprinklers, piping, hangers and hardware to be removed.
Level 4 - Demolition

FPD-104
ABATEMENT AND/OR REMOVAL OF ASBESTOS AND HAZARDOUS MATERIALS SHALL BE CAREFULLY
9. WORKING ON EXISTING SYSTEMS. THAT IS TO REMAIN. COORDINATE DEMOLITION SCOPE OF WORK WITH ARCHITECTURAL PLANS. ALL DEMOLITION SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE DAMAGE TO CONSTRUCTION ALL EXISTING PLUMBING PIPING TO BE REMOVED SHALL BE REMOVED ENTIRELY, AS INDICATED ON PLANS.

LOCATION.

ALL ITEMS TO BE RE-USED SHALL BE CAREFULLY REMOVED FREE OF DAMAGE AND STORED IN A SECURE

PLUMBING CONTRACTOR SHALL FAMILIERS WITH ALL EXISTING ELEMENTS OF CONSTRUCTION 1. DEMOLITION NOTES

DETAIL DESIGNATION NUMBER

HANDICAPPED ACCESSIBLE

NORTH

FLOOR DRAIN

WALL HYDRANT

HOSE BIBB

OPEN-END DRAIN, P-TRAP

SHOCK ABSORBER, WATER HAMMER ARRESTOR

OPEN-END DRAIN, P-TRAP

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OPEN-END DRAIN, P-TRAP

OPEN-END DRAIN, P-TRAP

OPEN-END DRAIN, P-TRAP
## Plumbing Fixture Schedule

<table>
<thead>
<tr>
<th>Item</th>
<th>Type</th>
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<th>Model</th>
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<tr>
<td>1.4</td>
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<td>125°F</td>
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## Expansion Tank Schedule

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## Electric Water Heater Schedule

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## Drain Schedule

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## Temperature Setting Value

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<td>2</td>
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</tbody>
</table>
NOTES:

THRU FLOOR SECTION

1. PIPING TERMINATING AT EXTERIOR WALL SHALL BE COORDINATED W/ ARCHITECT AND OWNER.

2. PROVIDE ONE TEST KIT AND SPARE PARTS KIT.

3. PROVIDE WALL HYDRANT EQUAL TO J.R. SMITH 5509QT WITH ADJUSTABLE WALL CLAMP OR APPROVED EQUAL.

4. REFER TO PLANS FOR SIZES.

5. PROVIDE TRAP PRIMER DISTRIBUTION UNITS AS REQUIRED.

6. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, HOT WATER BACKFLOW PREVENTER SHALL BE EQUAL TO WATTS LF 909-HW-QT SERIES. WATTS LF009 SERIES SHALL APPLY.

7. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, HOT WATER BACKFLOW PREVENTER SHALL BE EQUAL TO WATTS LF 909-HW-QT SERIES. WATTS LF009 SERIES SHALL APPLY.

8. MAINTAIN 1'-0" CLEARANCE FROM WALL.

9. SEE FLOOR PLANS FOR SIZES AND LOCATIONS.

PROJECT ISSUE DATE: P003A

COORDINATED W/ ARCHITECT AND OWNER.

STATE AUTHORITIES, AND SUBMIT ALL PLANS, SPECS, AND APPLICATIONS REQUIRED FOR APPROVAL AND PAY ALL FEES.

FURNISH TO OWNER ONE TEST KIT AND SPARE PARTS KIT.

PROVIDE TRAP PRIMER DISTRIBUTION UNITS AS REQUIRED.

TRAP PRIMER SHALL BE BY PRECISION PLUMBING PRODUCT. MI-FAB, SIOUX CHIEF OR APPROVED EQUAL.

PIPE DRAIN TO FLOOR.

FULL SIZE AIR GAP.

"P" TRAP, SEE PLANS FOR SIZES ABOVE FLOOR.

ADAPTOR WATTS SERIES LF009.

MAX 60" ABOVE FINISH.

UNIFORMLY.

3/4" THREADED HOSE END VACUUM BREAKER VALVE.

WATTS, BELL & GOSSETT, OR APPROVED EQUAL.

BACKFLOW PREVENTER SHALL BE EQUAL TO WATTS LF 909-HW-QT SERIES. WATTS LF009 SERIES SHALL APPLY.

JONES LIBRARY

DRAIN PIPE TO FLOOR.

TYPICAL. UNION NOZZLE WITH STAINLESS STEEL TO NEARBY FLOOR.

DECK OR STRUCTURAL SUPPORT SECURED TO WALL.

CLEANOUT PLUG

3" SAN TO DRAINAGE SYSTEM, AS SHOWN ON PLANS.

EYE WASH FIXTURE, TO PREVENT STAGNATION, REFER TO PLANS FOR LOCATION TO NEARBY VENT STACK SYSTEM.

THRU WALL SECTION

HANGER ROD SHALL BE INSTALLED PER MANUFACTURER'S GUIDELINES.

COORDINATE LOCATIONS W/ APPLICABLE TRADES OF VENT STACKS.

HANGER ROD SHALL BE INSTALLED PER MANUFACTURER'S GUIDELINES.

HANGER ROD SHALL BE INSTALLED PER MANUFACTURER'S GUIDELINES.

LONGITUDINAL/LATERAL BRACE

MAX.

LONGITUDINAL BRACE

LATERAL (TRANSVERSE) BRACE

STRAINER, SET AT 105°F.

BALANCING VALVE STATION.

THERMOSTATIC MIXING VALVE, FOR CONT, REFER TO PLANS FOR LOCATION TO NEARBY VENT STACK SYSTEM.

RETRIEVE OVERFLOW TO FLOOR PLANS.

TMV-2 MIXING VALVE, FOR CONT, REFER TO PLANS FOR LOCATION TO NEARBY VENT STACK SYSTEM.

DIRECTION OF FLOW

1. HANGER ROD SHALL BE INSTALLED PER MANUFACTURER'S GUIDELINES.

2. PROVIDE PROTECTIVE SLEEVE, COATING AND WRAPPING ON 4" & LARGER PIPE FOR 4" & LARGER PIPE.

3. OPEN-END DRAIN SHALL BE ACCESSIBLE. PROVIDE ACCESS PANEL, WHERE REQUIRED.

4. REFER TO PLANS FOR SIZES.

5. PROVIDE TRAP PRIMER DISTRIBUTION UNITS AS REQUIRED.

6. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, HOT WATER BACKFLOW PREVENTER SHALL BE EQUAL TO WATTS LF 909-HW-QT SERIES. WATTS LF009 SERIES SHALL APPLY.

7. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, HOT WATER BACKFLOW PREVENTER SHALL BE EQUAL TO WATTS LF 909-HW-QT SERIES. WATTS LF009 SERIES SHALL APPLY.
<table>
<thead>
<tr>
<th>TAG NO</th>
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<tbody>
<tr>
<td>REMOVE EX. LAVATORY, HB, ACCESSORIES &amp; ASSOCIATED CW, HW, SAN &amp; V PIPING IN ITS ENTIRETY.</td>
<td></td>
</tr>
<tr>
<td>REMOVE EX. W.C., ACCESSORIES &amp; ASSOCIATED CW, SAN &amp; V PIPING IN ITS ENTIRETY.</td>
<td></td>
</tr>
<tr>
<td>REMOVE EX. SINK, ACCESSORIES &amp; ASSOCIATED CW, HW, SAN &amp; V PIPING IN ITS ENTIRETY.</td>
<td></td>
</tr>
<tr>
<td>REMOVE EX. UR., ACCESSORIES &amp; ASSOCIATED CW, SAN &amp; V PIPING IN ITS ENTIRETY.</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>REMOVE EX. FD AND ASSOCIATED PIPING.</td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>REMOVE EX. SHOWER, ACCESSORIES &amp; ASSOCIATED CW, HW, SAN &amp; V PIPING IN ITS ENTIRETY.</td>
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</table>

NOTES: REMOVAL SHALL INCLUDE, BUT NOT LIMITED TO, FITTINGS, VALVES, SUPPORTS, INSULATION & ACCESSORIES. PIPING SHALL BE SAFELY DISCONNECTED FROM EQUIPMENT/FIXTURE, PRIOR TO REMOVAL.

NOTES: 1. ALL EXISTING PIPING SHALL BE FIELD VERIFIED.

2. PLUMBING FIXTURE SHALL BE SAFELY DISCONNECTED FROM UTILITY PIPING PRIOR TO REMOVAL. REMOVAL SHALL BE COORDINATED WITH OTHER TRADES, WHERE REQUIRED.

3. PLUMBING CONTRACTOR SHALL COMPLETE ALL REQUIRED DEMOLITION WORK IN ORDER TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT.

4. PLUMBING DEMOLITION SCOPE OF WORK SHALL BE COORDINATED WITH ARCHITECTURAL PLANS.

5. EXISTING WASTE PIPING SHALL BE RODDED, FLUSHED AND CLEANED TO ACHIEVE FULL FLOW, PRIOR TO CONNECTION TO NEW WASTE PIPING.

6. PIPING TO BE REMOVED SHALL BE REMOVED ENTIRELY AND CAPPED AT NEAREST ACTIVE PIPING MAIN.

7. REMOVE AND REPLACE ALL BALANCING VALVE STATIONS.
LEVEL 1 - DEMOLITION

- **ETBR- STORM DRAIN**
- **ETBR-CW**
- **ETBR- HW**
- **ETBR- SAN**
- **ETBR- VENT**
- **ETBR - ALL PLUMBING PIPING LOCATED IN THIS AREA.**

**COMPLETE DEMOLITION WORK TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT.**

**DRAWING DEMOLITION KEYNOTES**

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**NOTES:**

1. ALL EXISTING PIPING SHALL BE FIELD VERIFIED.
2. PLUMBING FIXTURE SHALL BE SAFELY DISCONNECTED FROM UTILITY PIPING PRIOR TO REMOVAL. REMOVAL SHALL BE COORDINATED WITH OTHER TRADES, WHERE REQUIRED.
3. PLUMBING CONTRACTOR SHALL COMPLETE ALL REQUIRED DEMOLITION WORK IN ORDER TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT.
4. PLUMBING DEMOLITION SCOPE OF WORK SHALL BE COORDINATED WITH ARCHITECTURAL PLANS.
5. EXISTING WASTE PIPING SHALL BE RODDED, FLUSHED AND CLEANED TO ACHIEVE FULL FLOW, PRIOR TO CONNECTION TO NEW WASTE PIPING.
6. PIPING TO BE REMOVED SHALL BE REMOVED ENTIRELY AND CAPPED AT NEAREST ACTIVE PIPING MAIN.
7. REMOVE AND REPLACE ALL BALANCING VALVE STATIONS.
Second Floor - Demolition

Project #:

Description:

Date:

No.:

Project Team:

Sheet #:

Project Status:

Project Issue Date:

Key Plan:

Drawing History:

Owner:

PD103
Scale: 1/8" = 1'-0"

Third Floor - Demolition

Tag No Description

1. Remove ex. lavatory, HB, accessories & associated CW, HW, SAN & V piping in its entirety.
3. Remove ex. sink, accessories & associated CW, HW, SAN & V piping in its entirety.
5. Remove ex. water heater and related accessories in its entirety.
6. Remove ex. FD and associated piping.
7. Remove ex. janitor sink, accessories & associated CW, HW, SAN & V piping in its entirety.
8. Remove ex. shower, accessories & associated CW, HW, SAN & V piping in its entirety.

Notes:
- Removal shall include, but not limited to, fittings, valves, supports, insulation & accessories. Piping shall be safely disconnected from equipment/fixture, prior to removal.
- All existing piping shall be field verified.
- Plumbing fixture shall be safely disconnected from utility piping prior to removal. Removal shall be coordinated with other trades, where required.
- Plumbing contractor shall complete all required demolition work in order to accommodate new architectural layout.
- Plumbing demolition scope of work shall be coordinated with architectural plans.
- Existing waste piping shall be rodded, flushed and cleaned to achieve full flow, prior to connection to new waste piping.
- Piping to be removed shall be removed entirely and capped at nearest active piping main.
- Remove and replace all balancing valve stations.
COMPLETE DEMOLITION WORK TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT. ALL PLUMBING SYSTEM ON ROOF SHALL BE REMOVED ENTIRELY, INCLUDING, BUT NOT LIMITED TO VTR, ROOF DRAINS.
1. FOR ADDITIONAL PIPING, REFER TO DETAILS, AND RISER DIAGRAMS.

GENERAL NOTES:

- PROVIDE 991 SF
- PROVIDE 124 SF
- PROVIDE 122A 3/4"HWR DROP W/ ACCESSIBLE
- PROVIDE 139 SF HB
- PROVIDE IN EACH BATHROOM.
- 2"SAN DN & V RISE
- 4"SAN DN & 2"V RISE
- 1"CW DROP W/ SA'
- PROVIDE 123
- PROVIDE 265 SF
- PROVIDE 126
- PROVIDE 4"SAN DN & V RISE
- PROVIDE 1/2"CW DROP
- PROVIDE 1/2"HW DROP
- PROVIDE 1/2" - 2C - 2C
- PROVIDE 3"FD - 2A
- PROVIDE 49 SF
- PROVIDE 46 SF
- PROVIDE 97 SF
- PROVIDE 223 SF
- PROVIDE 114A
- PROVIDE 125F
- PROVIDE 5B
- PROVIDE TP SUPPLY.
- PROVIDE TP.
- PROVIDE ACCESSIBLE VALVES.
- PROVIDE TP.
- REFERENCE TO PART PLANS.
- SELF - SERVICE Holds
- SELF- CHECK OUT
- EXTRACT WATER PIPING 2"CW DN.
- 1 1/4"HW DN
- 3/4"HWR DN
- 2"SAN DN & V RISE
- 4"V DN
- 3"FD - A.
- TYP. FOR 3
- P003A
- REFERENCE TO DETAILS, AND RISER DIAGRAMS.
- REFER TO 3"SAN DN & T.
- REFER TO 1/2"HW DROP
- REFER TO 1/2"HW DROP
- REFER TO 1 1/4"HW UP & DN
- REFER TO 4"V UP & DN
- REFER TO 3/4"HWR UP & DN
- REFER TO 3/4"HW UP & DN
- REFER TO 3/4"HWR DN
- REFER TO 2"V DN
- REFER TO 2"V UP
- REFER TO 3"V UP
- REFER TO 1 1/2"CW UP & DN
- REFER TO 1 1/4"HW UP & DN
- REFER TO 3/4"HWR UP & DN

LEVEL 1

- Existing Structure
- Existing Structure
- New
- New
- to Remain
- to Remain

P-101
NOTES:
1. LOCATION OF ALL ROOF DRAINS SHALL BE COORDINATED W/ ARCHITECTURAL PLANS.
2. VTR SHALL BE LOCATED MINIMUM 25'-0" FROM FRESH AIR INTAKE, OR AS CLOSE AS 10'-0" - 2'-0" ABOVE FRESH AIR INTAKE. ALL VTR SHALL BE CONCEALED FROM SIDEWALK / STREET LEVEL VIEW.
3. PROVIDE BACKWATER VALVE ON ROOF DRAINS' OUTLETS SERVICING LOWER ROOF AREAS.
4"VTR PROVIDE FREEZE PROOF, DRAINLESS, ROOF HYDRANT.
### HVAC Schedules

#### Rooftop Energy Recovery Ventilator with Heat Pump Coil Schedule

<table>
<thead>
<tr>
<th>Tag No.</th>
<th>Type</th>
<th>CFM</th>
<th>Voltage</th>
<th>HP</th>
<th>RPM</th>
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<tbody>
<tr>
<td>H-001</td>
<td>A/C</td>
<td>1,000</td>
<td>208</td>
<td>0.5</td>
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<tr>
<td>H-002</td>
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#### Register, Grille & Diffuser Schedule

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#### Duct Insulation Schedule

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<th>Diameter</th>
<th>Length</th>
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<tbody>
<tr>
<td>Supply, Return &amp; Outside Air</td>
<td>W-10</td>
<td>7</td>
<td>42&quot;</td>
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<tr>
<td>Exhaust</td>
<td>W-10</td>
<td>7</td>
<td>36&quot;</td>
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#### Ductless Split Air Conditioning Schedule

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<tr>
<td>Supply, Return &amp; Outside Air</td>
<td>C/10</td>
<td>1,000</td>
<td>208</td>
<td>0.5</td>
<td>1,140</td>
<td>C/10</td>
<td>DAIKIN</td>
<td>C/10</td>
</tr>
<tr>
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#### Electric Heater Schedule

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<td>DAIKIN</td>
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#### Electric Humidifier Schedule

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<td>H/10</td>
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</table>

#### Electrical Data

- **ACU-4**: AC-4 DAIKIN RK18AX AIR COOLED 18 91 208 1 62 60 18.5 13.4 20 1-4
- **ACCU-3**: AC-3 DAIKIN RK18AX AIR COOLED 18 91 208 1 62 60 18.5 13.4 20 1-4

#### Refrigerant Piping

- **ERV-4**: REFER TO SWEGON OUTDOOR 2,125 2 1516 5 2,125 2 1554 7 WHEEL 0 55 70 13 76 80 63 75 62 87 72 220 1 60 13.92 15 MERV 13 1,548 81.7 77.4 91 1-11 2,125 2,125 2,125 2,125 GOLD F RX-011

#### Notes:

1. PROVIDE WITH DISCONNECT SWITCH. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH EC PRIOR TO INSTALLATION.
2. PROVIDE DISCONNECT, CONTROLS, HUMIDISTAT MOUNTED 5FT AFF, LOW VOLTAGE WIRING, DUCT MOUNTING KIT, DRAIN PIPING, CONDENSATE PUMP, WATER PIPING.
3. PROVIDE 100% ECONOMIZER WITH MODULATING DAMPERS
4. PROVIDE SQUARE TO ROUND TRANSITIONS WHERE NEEDED.
5. PROVIDE SMOKE DETECTOR WITHIN DUCT WHERE ABOVE 2,000 CFM. COORDINATE INTEGRATION WITH BUILDING FA SYSTEM. COORDINATE LOCATIONS OF SMOKE DETECTORS WITH DIV26. SMOKE DETECTORS FURNISHED BY DIV26, INSTALLED BY DIV23 AND WIRED BY DIV26.
6. PROVIDE SINGLE SMOKE DETECTOR WITHIN DUCT WHERE ABOVE 2,000 CFM. COORDINATE INTEGRATION WITH BUILDING FA SYSTEM. COORDINATE LOCATIONS OF SMOKE DETECTORS WITH DIV26. SMOKE DETECTORS FURNISHED BY DIV26, INSTALLED BY DIV23 AND WIRED BY DIV26.
7. PROVIDE VFD CONTROLS WITH ALL ASSOCIATED SYSTEM APPURTENANCES.
8. PROVIDE WITH REFRIGERANT PIPING AND CONNECTION TO ASSOCIATED HEAT PUMP, DEFROST OPERATION, WIND BAFLES.
9. PROVIDE DISCONNECT, MOUNTING BRACKETS, INTEGRATED THERMOSTAT.
10. PROVIDE WITH REFRIGERANT PIPING AND CONNECTION TO ASSOCIATED HEAT PUMP, DEFROST OPERATION, WIND BAFLES.
### HVAC Schedules

#### GARDEN LEVEL

<table>
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<th>Tag No.</th>
<th>HVAC Type</th>
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#### AIR COOLED OUTDOOR HEAT RECOVERY UNIT SCHEDULE

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#### BRANCH SELECTOR SCHEDULE

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**NOTES:**
- All units shall be equipped with a commercial grade multi-pipe system.
- Minimum efficiency shall be in accordance with the current ASHRAE standard.
- All units shall be equipped with top mount condensate pump if not built in.
1. Sleepers to be spaced as per SMACNA duct standard (latest edition). (Not for grease exhaust).

2. Insulation to be installed with a pitch to avoid collection of water/snow.

PER 780 CMR 1604.11, equipment support:

Riser Cant Strip Set:
- Aluminum clad jacket
- Seal joints

PREFABRICATED ROUND INLET DUCT FULL WOOD CRADLE (MIN.)

- Treated wood nailer
- 1/2"∅ galv. hex head lag bolt
- Flex connection as per manufacturer’s recommendations

Support (Typ. 2) from below.

1. N.T.S.
2. N.T.S.

NAILED TO SUBSTRATE AS PER SMACNA STANDARDS

- Height above roof as req’d per plans
- Secure curb to roof

1. Roof curb provided by mechanical contractor and installed by roofing contractor.
2. Roof curb to be installed as recommended by roofing mfr.
3. Coordinate roof openings with architectural drawings.

1. Sheetmetal plenum construction shall be per SMACNA.
2. Stud size: (Typ. 2)

HUMIDIFIER CONNECTION DETAIL

- 6"∅ humidifier hose
- 15° space
- 4. Bare sheetmetal painted by HVAC subcontractor (black or as directed by architect).

TRANSFER DUCT DETAIL

- Exterior exhaust
- Weatherproofed

NOTES:
- Utility set roof fan detail
- Roof ductwork/insulation detail
- Roof equipment support detail
- Duct roof penetration detail
- Transfer grille detail
- Plenum at louver detail
- Roof equipment support detail
- Roof pipe support detail
- Roof opening per plans

1.日报社: 手法要求质量。设置屋顶风扇细节。2. 技术员: 注意细节。项目详情: 43 Amity Street

www.blwengineers.com www.rseassociates.com (617) 926-9300 Watertown, MA 02472

63 Pleasant Street, Suite 200 (617) 723-5164

77 N. Washington Street Stefura Associates, Inc.

www.berkshiredesign.com

Architects
Structural Engineer
Interior Design

77 N. Washington Street

Finegold Alexander Architects

H-005
HVAC SEQUENCES OF OPERATIONS

ENERGIZED AND OPERATE CONTINUOUSLY. THE UNIT SHALL OPERATE TO MAINTAIN AN AIR ENERGIZE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE. THE UNIT'S SUPPLY FAN SHALL BE NOTED OTHERWISE.

EXHAUST AIR ELEVATOR MACHINE ROOM AIR CONDITIONING UNIT SEQUENCE OF OPERATION

AIR RESET SCHEDULE. (MAXIMUM 80°F ADJUSTABLE IN HEATING MODE; MINIMUM 55°F ADJUSTABLE IN COOLING MODE)

THE VARIABLE FREQUENCY DRIVE (VFD) TO MAINTAIN A CONSTANT SUPPLY AIR DUCT STATIC PRESSURE SETTING. THE EXHAUST FAN SPEED SIDE OF THE HEAT WHEEL) IS LESS THAN 40 DEGREES. IF THE HEAT WHEEL VFD IS AT MINIMUM SPEED AND THE EXHAUST TEMPERATURE IS DEFROST CONTROL - THE ENERGY WHEEL VFD SPEED SHALL DECREASE IF THE EXHAUST AIR TEMPERATURE (DOWNSTREAM OF THE EXHAUST BELOW IS REVERSIBLE UNLESS NOTED OTHERWISE.

THE ENERGY RECOVERY UNIT SHALL BE CONTROLLED THROUGH THE BMS SYSTEM PER THE FOLLOWING SCHEDULE. THE SEQUENCE LISTED BELOW IS REVERSIBLE UNLESS NOTED OTHERWISE.

THE UNIT HEATER SHALL BE CONTROLLED THROUGH SPACE MOUNTED THERMOSTAT; ALL SETTINGS ARE TO BE REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT OF 55°F (ADJUSTABLE).

COOLING: THE UNIT'S SUPPLY FAN SHALL BE ENERGIZED AND OPERATE CONTINUOUSLY; THE UNIT'S EXHAUST FAN SHALL BE ENERGIZED AND OPERATE CONTINUOUSLY.

IF THE EXHAUST AIR ENTHALPY IS HIGHER THAN THE OUTDOOR TEMPERATURE, UPON A CALL FOR COOLING, THE ENERGY RECOVERY WHEEL WILL BE ENERGIZED.

ROOF VENTILATION HATCH / ROOF HATCH

THE HATCH SHALL BE CONTROLLED TO OPEN AND CLOSE PER THE FOLLOWING SCHEDULE.

THE UNIT'S OUTDOOR AIR AND RETURN AIR DAMPS SHALL BE IN THE 100 PERCENT UNOCCUPIED HOURS

THE UNIT IS IN DEFROST MODE, THE ELECTRIC PRE-HEATER COIL SHALL ENERGIZE TO MAINTAIN ENTERING AIR TEMPERATURE.

WHEN A FREEZE-STAT SENSES A LOW TEMPERATURE CONDITION AND/OR A SMOKE DETECTOR SENSES A SMOKE CONDITION, THE UNIT SUPPLY FAN SHALL BE DE-ENERGIZED; THE UNIT'S OUTDOOR AIR, RETURN AIR, AND EXHAUST AIR DAMPS SHALL BE IN THE 100 PERCENT

DEFROST CYCLE - THE UNIT SHALL BE PROVIDED WITH A DEFROST CYCLE DURING THE WINTER OPERATION. WHEN THE ASSOCIATED HEAT PUMP MODULATED THROUGH THE ECM MOTOR TO MAINTAIN THE PROPORTION AIR FLOW OF THE SUPPLY FAN.

THE HUMIDIFIER(S) SHALL BE CONTROLLED THROUGH A WALL MOUNTED HUMIDISTAT AND THE BUILDING MANAGEMENT SYSTEM. THE SEQUENCE LISTED BELOW SHALL BE REVERSIBLE.
Level 3 Demolition

- DEMO & REMOVE EXHAUST FAN, DUCTWORK AND CONTROLS
- DEMO & REMOVE EXISTING FINNED TUBE RADIATION, PIPING AND CONTROLS (TYPICAL)
- ALL HWS, R, CHWS, R, & DTWS, R PIPING TO BE DEMOLISHED AND REMOVED (TYPICAL)

Level 4 Demolition

- DEMO & REMOVE EXISTING HEATING COIL, PIPING AND CONTROLS
- DEMO & REMOVE EXISTING HEATING COIL, PIPING AND CONTROLS
- DEMO & REMOVE EXISTING AIR CONDITIONING UNIT, DUCTWORK, PIPING, AND CONTROLS TO BE DEMOLISHED AND REMOVED
- DEMO & REMOVE EXISTING EXHAUST SYSTEM LOUVER TO REMAIN. BLANK OFF WITH INSULATED SHEET METAL

- ALL HWS, R, CHWS, R, & DTWS, R PIPING TO BE DEMOLISHED AND REMOVED (TYPICAL)
Youth Computers
656 SF

Youth Fiction Younger
(TYPICAL OF 11 SETS)
821 SF

Children's Activities
127 SF

Staff Workroom
107 SF

Head of Youth Services
265 SF

Circulation Desk
6-1

Toilet
125E

Main Entrance Vestibule
223 SF

Cafe/Gathering Area
272 SF

Entrance Foyer
97 SF

Shipping Vestibule
239 SF

Quiet/Group Study
81 SF

Cress Office
101 SF

PROJECT TEAM:

Finegold Alexander Architects
77 N. Washington Street
Stefura Associates, Inc.
BLW Engineers, Inc.

www.berkshiredesign.com
(413) 582-7000

Northampton, MA 01060

Interior Design

Berkshire Design Group
63 Pleasant Street, Suite 200
Watertown, MA 02472

MEP FP Engineer

RSE Associates, Inc.
www.rseassociates.com
(978) 486-4301

Littleton, MA 01460

Structural Engineer

BLW Engineers, Inc.
www.blwengineers.com
(617) 926-9300

Northampton, MA 01060

www.berkshiredesign.com
(413) 582-7000

Amherst, MA 01002
1. ALL RECESSED FIXTURE TRIMS TO BE PAINTED TO MATCH CEILING.

NEW SECONDARY CONDUIT AND CONDUCTORS SHALL BE PROVIDED AND INSTALLED AS INDICATED.

120 SYMBOL, REFER TO FLOOR PLANS FOR DIRECTIONAL

2. E3 WITH TWO (2) HEADS, PROVIDE WITH SELF-TEST/SELF-

3. LED FIXTURE

1070 PHILIPS

CANOPY

7.2 LED - TC/PC

5925 TVLN-L4-S-32-G1-5-2S-730-A-FINISH

STREET LIGHT LED W/ 10' POLE

48 (INV-H)

LED

2700 TC/PC

8. YD TOTE

TEMP

LUMENS

CATALOG NUMBER

TRYSTAR

FFE 319.27

MAIN TELECOMMUNICATIONS

LOWER LEVEL

FOOTING

EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

(4) #6 REBAR, (1) AT EACH

FINISHED GRADE

TO BE SIZED BY POLE

GENERAL CONTRACTOR.

CONC. FILLED

Ductbank Section Detail

Utility Protective Concrete Bollard Detail

Site Lighting Pole Base Detail

Site Lighting Raceway System Detail

Site Lighting/fixture Schedule

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NOTES:

1. EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

2. SUB-DR CL SUB-DR

3. CONC. FILLED Ductbank Section Detail

4. EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

5. CENTER SEALANT BEAD (TYP)

6. 24" CONDUIT FOR COMMUNICATIONS SERVICE

7. 1 1/2" CONDUIT FOR SITE LIGHTING & POWER

8. 4" PVC CONDUIT FOR COMMUNICATIONS SERVICE

9. 4" CONCRETE BY GENERAL CONTRACTOR.

10. MATCH LINE: SOUTH SHEETS

11. EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

120 SYMBOL, REFER TO FLOOR PLANS FOR DIRECTIONAL

2. E3 WITH TWO (2) HEADS, PROVIDE WITH SELF-TEST/SELF-

3. LED FIXTURE

1070 PHILIPS

CANOPY

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STREET LIGHT LED W/ 10' POLE

48 (INV-H)

LED

2700 TC/PC

8. YD TOTE

TEMP

LUMENS

CATALOG NUMBER

TRYSTAR

FFE 319.27

MAIN TELECOMMUNICATIONS

LOWER LEVEL

FOOTING

EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

(4) #6 REBAR, (1) AT EACH

FINISHED GRADE

TO BE SIZED BY POLE

GENERAL CONTRACTOR.

CONC. FILLED

Ductbank Section Detail

Utility Protective Concrete Bollard Detail

Site Lighting Pole Base Detail

Site Lighting Raceway System Detail

Site Lighting/fixture Schedule

<table>
<thead>
<tr>
<th>Site</th>
<th>Model</th>
<th>Color</th>
<th>Lumens</th>
<th>Wattage</th>
<th>Unit Price</th>
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NOTES:

1. EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

2. SUB-DR CL SUB-DR

3. CONC. FILLED Ductbank Section Detail

4. EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

5. CENTER SEALANT BEAD (TYP)

6. 24" CONDUIT FOR COMMUNICATIONS SERVICE

7. 1 1/2" CONDUIT FOR SITE LIGHTING & POWER

8. 4" PVC CONDUIT FOR COMMUNICATIONS SERVICE

9. 4" CONCRETE BY GENERAL CONTRACTOR.

10. MATCH LINE: SOUTH SHEETS

11. EXCAVATION, SAND BED AND CLEAN BACKFILL BY GENERAL CONTRACTOR.

120 SYMBOL, REFER TO FLOOR PLANS FOR DIRECTIONAL

2. E3 WITH TWO (2) HEADS, PROVIDE WITH SELF-TEST/SELF-

3. LED FIXTURE

1070 PHILIPS

CANOPY

7.2 LED - TC/PC

5925 TVLN-L4-S-32-G1-5-2S-730-A-FINISH

STREET LIGHT LED W/ 10' POLE

48 (INV-H)

LED

2700 TC/PC

8. YD TOTE

TEMP

LUMENS

CATALOG NUMBER

TRYSTAR

FFE 319.27

MAIN TE
POWER RISER DIAGRAM

NOTES:

* ALL SWITCHGEAR AND PANELBOARDS SHALL BE SERIES RATED. THE SUBMITTING SWITCHGEAR MANUFACTURER AND ELECTRICAL CONTRACTOR SHALL SUBMIT BEFORE FINAL APPROVAL A SHORT CIRCUIT ANALYSIS FOR THE PROPOSED EQUIPMENT BASED ON THE AIC RATING FOR THE PADMOUNT TRANSFORMER PROVIDED BY THE UTILITY COMPANY.

1. PADMOUNT TRANSFORMER BY UTILITY. PAD, GROUNDING, AND SECONDARY CONDUCTORS BY ELECTRICAL CONTRACTOR. ALL FINAL CONNECTIONS AT TRANSFORMER BY UTILITY. UTILITY COMPANY SHALL BE EVERSOURCE.

2. ELECTRICAL CONTRACTOR SHALL REFER TO FEEDER TAG SCHEDULES.

3. ELECTRICAL CONTRACTOR SHALL GROUND AS IN ACCORDANCE WITH NEC ARTICLE 250 AS AMENDED BY THE STATE ELECTRICAL CODE.

4. MAIN SWITCHBOARD 'MDP' RATED 1600 AMP, 120/208 VOLT, 3-PHASE, 4-WIRE, 42 KAIC, PROVIDED WITH THE FOLLOWING CHARACTERISTICS:
   - SERVICE PULL SECTION WITH MAIN BREAKER.
   - ARC ENERGY REDUCTION IN ACCORDANCE WITH NEC ARTICLE 240.87.
   - 2000AMP BUSBAR AS IN ACCORDANCE WITH NEC ARTICLE 705.12(B)(2) - SOLAR CONNECTIONS.

5. ELECTRICAL CONTRACTOR SHALL PROVIDE PAD-MOUNTED DUAL BREAKER STATION FOR ROLL-UP GENERATOR CONNECTION, PROVIDE WITH (2) KIRK KEY DOOR INTERLOCKS AND SURGE PROTECTION DEVICE, BY TRYSTAR INC. MODEL NO.DBDS-163P-LLM-JK2P OR EQUAL. COORDINATE EXACT LOCATION IN FIELD PRIOR TO INSTALLATION.

6. COORDINATE EXACT FEEDER REQUIREMENTS WITH ELEVATOR MANUFACTURER.

7. DISCONNECT SWITCH WIRED IN SERIES REQUIRED AT TOP OF SHAFT IN ACCORDANCE WITH MASSACHUSETTS ELEVATOR CODE.

8. PHOTO VOLTAIC SOLAR PANELS BY OWNERS VENDOR. COORDINATE/CONFIRM ALL REQUIREMENTS PRIOR TO ROUGH-IN.

9. 400A, SOLAR ARRAY DISCONNECT MOUNTED TO THE EXTERIOR OF THE BUILDING. DISCONNECT SWITCH SHALL BE WIRED SUCH THAT WHEN THE SWITCH IS OPENED THE CONDUCTORS REMAIN LIVE. CONDUCTORS TOWARDS MAIN SWITCHGEAR REMAIN LIVE AND SHOULD BE CONNECTED TO TERMINALS MARKED "LINE SIDE". CONDUCTORS TOWARDS PV MODULES SHOULD BE CONNECTED TO TERMINALS MARKED "LOAD SIDE". MARKING OF THE PHOTOVOLTAIC SYSTEM DISCONNECTING MEANS SHALL BE PROVIDED IN ACCORDANCE WITH NEC 690.17. DISCONNECT SHALL BE UTILITY LOCKABLE AND IN ACCORDANCE WITH ALL UTILITY COMPANY REQUIREMENTS.

10. PV INTERCONNECTION BREAKER SHALL BE LOCATED AT THE END OF THE BUS, OPPOSITE OF THE MAIN SUPPLY.

COORDINATE EXACT LOCATION AND ROUTING WITH OWNER PRIOR TO ROUGH-IN. PROVIDE SECUREMENT OF PV CONDUITS AT REGULAR INTERVALS PER FM GLOBAL.
CABLE/DATA/TEL RISER DIAGRAM

- **Notes**: The diagrams show the layout of the cable/data/telecommunication riser. The diagrams include various components such as IDF/Electric, Main Comm, WAP, and other electrical and telecommunication devices. The diagrams are labeled with various network equipment and are intended to show the entire low-voltage system including CATV, phone, internet, and wireless access points.

- **Riser Diagrams**: The riser diagrams are used to illustrate the connections and terminations of the cables. They are essential for understanding the system layout and ensuring proper installation and operation.

- **Construction Documents**: The diagrams are part of the construction documents, which are detailed drawings and specifications that provide information on the design and build of the project.

- **Project Status**: The project status is indicated as 12.08.2023.

- **Manufacturer’s Recommendations and Code Requirements**: The diagrams comply with the manufacturer’s recommendations and code requirements.

- **Drawing History**: The drawing history includes notes on the installation by others, providing insights into previous works and modifications.

- **Design and Engineering**: The diagrams are designed and engineered by the project team, including architects, engineers, and designers.

- **Owner Information**: The owner’s information is provided, including contact details and project-specific details.
<table>
<thead>
<tr>
<th>FIXTURE TYPE</th>
<th>DESCRIPTION</th>
<th>LOCATION</th>
<th>USAGE</th>
<th>INSTALLATION</th>
<th>WATTAGE</th>
<th>TEMP</th>
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<th>DESCRIPTION</th>
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<tr>
<td>RC-4A-8'</td>
<td>RECESSED LED 2X2 TROFFER (ACT CEILING)</td>
<td>GWB CEILING</td>
<td>FLOOR</td>
<td>5000</td>
<td>3000</td>
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<td>RC-4A-8'</td>
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To be complete this schedule, one must include all necessary components for a complete and operational system. 1. Refer to Lighting Designer (Lumen Studio) Lighting Fixture Schedule for additional lighting fixture details and approved equals.

2. Floor plans for directional arrows and mounting types (wall/ceiling).

3. Schedules are subject to change without notice.

4. WATTAGE and TEMP are subject to change without notice.
**PROJECT INFORMATION:**

- **PHASE A:** 24.93 kVA TOTAL LOAD
- **PHASE B:** 10.50 kVA
- **PHASE C:** 12.00 kVA

**SHEET #:** E006

---

**DISTRIBUTION PANELBOARD MDP**

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<th>CB TYPE/CIRC.</th>
<th>Load Description</th>
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**KEY PLAN:**

- **PANEL - PP21B**
- **PANEL - PP22A**
- **PANEL - PP23A**
- **PANEL - PP2GC**

---

**NOTE:**

- Provide 150 A frame
- Provide 250 A frame
- Provide 400 A frame

---

**KEY PLAN:**

- **PANEL - PP21B**
- **PANEL - PP22A**
- **PANEL - PP23A**
- **PANEL - PP2GC**

---

**PROJECT ISSUE DATE:**

**PROJECT STATUS:**

- Construction Documents
- Panels

---

**DRAWING HISTORY:**
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<th>CIRC.</th>
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<td>LOAD DESCRIPTION</td>
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<td>PHASE B 13.12 kVA</td>
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<tr>
<td>PHASE C 14.13 kVA</td>
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**NOTES:**
- CB TYPE: GP - INDICATES GFCI, L - INDICATES BREAKER LOCK, GE - INDICATES GFPE, S - INDICATES SHUNT TRIP
CONDUIT MOUNTING DETAIL

1. SERVICE GROUNDING SYSTEM DETAIL
2. CONDUIT MOUNTING DETAIL
3. Switchgear Pad Detail
4. Switchgear Entrance At Concrete Structure Or Wall
5. Typical Panelboards/Branch Circuit Wiring Detail
6. Floor Mounted Panelboards/Branch Circuit Wiring Detail
7. EV Double Charging Station Detail
8. Elevator Machine Room Pit & Shaft Details

NOTES:

1. SUPPORT ALL CABLE RACESTAYS WITH WIRE LOOPS. DO NOT USE WIRE LOOP AS A WEIGHT. DO NOT USE WIRE LOOP AS A TREMPLIN FOR HANGING CABLES.
2. WALL MOUNTING DETAIL - PREPARE WALL CONDUIT WITH APPROPRIATE SKINNING DETAILS. PROVIDE CENTER MOUNTING DETAIL WITH APPROPRIATE SKINNING DETAILS.
3. WALL MOUNTING DETAIL - INSTALL MODIFIED CONDUIT DETAIL WITH APPROPRIATE SKINNING DETAILS.
4. TO PROVIDE KING KNOCKERS ON ALL CIRCUIT BREAKERS TO PREVENT CIRCUIT BREAKER FAILURE.
5. CONDUIT TERMINAL DETAIL - INSTALL MODIFIED CONDUIT DETAIL WITH APPROPRIATE SKINNING DETAILS.

DRAWING FOR COMPLETE DETAILS.

NOTE 1
NOTE 2
NOTE 3
NOTE 4
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NOTE 40
PERMANENT POWER.

Sheet #:

Equipment (including disconnects, starters, junction boxes, wireways, wiring and appurtenances) associated with mechanical, electrical devices, wiring and service. Refer to drawing E001 for demolition subscriipts.

Ground Level

Construction Documents

Project Status:

Jones Library

Project Information:

Structural Engineer

Owner:

Finegold Alexander Architects
ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH MECHANICAL DEVICES, WIRING AND SERVICE. REFER TO DRAWING E001 FOR DEMOLITION SUBSCRIPTS.

AMOUNT OF ITEM'S TO BE REMOVED.

EXISTING ELECTRICAL SYSTEMS. CONTRACTOR BID SHALL INCLUDE ALL WORK NECESSARY TO FULLY REMOVE ALL EXISTING ITEMS TO BE REMOVED SHALL BE DISPOSED OFF SITE IN A LEGAL MANNER. PRIOR TO BID, ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THE DRAWING HISTORY:

SCALE:

1/8"=1'-0"
WITH HVAC EQUIPMENT INDICATED FOR REMOVAL. REFER TO MECHANICAL PLANS FOR DETAILS.

EQUIPMENT (INCLUDING DISCONNECTS, STARTERS, JUNCTION BOXES, WIREWAYS, WIRING AND APPURTENANCES) ASSOCIATED EQUIPMENT TO BE REMOVED BY MECHANICAL CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL

ELECTRICAL CONTRACTOR SHALL DISCONNECT AND MAKE SAFE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH MECHANICAL

4.

EXACT QUANTITY OF ELECTRICAL ITEMS MAY DIFFER IN FIELD. THIS PLAN IS TO INDICATE SCOPE OF DEMOLITION AND GENERAL

2.

EXISTING ELECTRICAL SYSTEMS. CONTRACTOR BID SHALL INCLUDE ALL WORK NECESSARY TO FULLY REMOVE ALL EXISTING

PRIOR TO BID, ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THE

4.
NOTES:

1. PRIOR TO BID, ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THE EXISTING ELECTRICAL SYSTEMS. CONTRACTOR BID SHALL INCLUDE ALL WORK NECESSARY TO FULLY REMOVE ALL EXISTING ELECTRICAL DEVICES, WIRING AND SERVICE. REFER TO DRAWING E001 FOR DEMOLITION SUBSCRIPTS.

2. EXACT QUANTITY OF ELECTRICAL ITEMS MAY DIFFER IN FIELD. THIS PLAN IS TO INDICATE SCOPE OF DEMOLITION AND GENERAL AMOUNT OF ITEM'S TO BE REMOVED.

3. ALL ITEMS TO BE REMOVED SHALL BE DISPOSED OFF SITE IN A LEGAL MANNER.

4. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND MAKE SAFE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH MECHANICAL EQUIPMENT TO BE REMOVED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT (INCLUDING DISCONNECTS, STARTERS, JUNCTION BOXES, WIREWAYS, WIRING AND APPURTENANCES) ASSOCIATED WITH HVAC EQUIPMENT INDICATED FOR REMOVAL. REFER TO MECHANICAL PLANS FOR DETAILS.
POWER ROOF NOTES:
1. ALL CONDUIT ON ROOF SHALL BE GALVANIZED RIGID STEEL. THE LAST 18"-30" OF THE CONDUIT RUN TO EACH MOTOR SHALL BE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT.
2. ALL SUPPORTS FOR EQUIPMENT (ELECTRICAL) AND RECEPTACLES SHALL BE BY E.C. UNISTRUT SHALL BE FIBERGLASS OR GALVANIZED RIGID STEEL. ALL HARDWARE SHALL BE STAINLESS STEEL.
3. E.C. SHALL UTILIZE ROOF CURBS FOR ALL ROOF PENETRATIONS. ROOF IS NEW.
FIRE ALARM ROOF NOTES:

1. DUCT MOUNTED SMOKE DETECTORS SHALL BE PROVIDED BY E.C., INSTALLED BY M.C., WIRED BY E.C. ALL DUCT MOUNTED SMOKE DETECTORS SHALL HAVE REMOTE TEST STATION AND LED ON THE FLOOR BELOW, GROUP BY AREA AND INSTALL IN A CORRIDOR OR OTHER COMMON AREA. ALL TEST STATIONS SHALL BE PERMANENTLY LABELED WITH UNIT SERVED. “HRU-1 DUCT MOUNTED SMOKE DETECTOR”. LABEL SHALL BE RED PLASTIC WITH 1/8" TALL (WHITE) LETTERS.
**GENERAL NOTES**

1. ALL CABLEING AND CONDUIT SHALL BE INSTALLED PER LOCAL AND NATIONAL ELECTRICAL CODE, APPROVED METHODS.

2. ALL EXTERIOR MOUNTED EQUIPMENT SUCH AS CAMERAS, INTERCOM STATIONS, ENCLOSURES, CARD READERS, ETC. SHALL BE PROPERLY MOUNTED AND WATER TIGHT. COMPRESSION FITTINGS SHALL BE USED FOR ALL CONDUIT EXCEPT FOR THE INSTALLING CONTRACTOR TO PROVIDE THE CONDUIT FILL PERCENTAGES OUTLINED IN THE NATIONAL ELECTRICAL CODE.

3. SURFACE MOUNT OR SLEEVING WIRELESS ACCESS POINTS, PART WAP33 - ONE (1) CAT5 CABLE

4. SHOULD THIS PROJECT INCLUDE FIBER OPTIC CABLES, THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIBER CABLE INSTALLED. ALL INTERIOR FIBER CABLE MUST BE INSTALLED WITH ARRIVED CABLE OR FIBER SENSOR DUCT. PRIOR TO INSTALLATION, THE INSTALLING CONTRACTOR SHALL CONFIRM THAT THE DISTANCE OF EACH CABLE RUN DOES NOT EXCEED THE LIMITATIONS OF THE FIBER CABLE. SHOULD THIS BE THE CASE, THE INSTALLING CONTRACTOR SHALL CONTACT SAFER PLACES FOR DIRECTION.

5. ALL CABLES WITHIN EQUIPMENT RACKS, CONTROL PANELS, FIELD PANELS, ENCLOSURES, ETC. SHALL BE PROPERLY DRESSED AND CLEARLY LABELED. ALL CABLES SHALL BE NEATLY BUNDLED AND SECURED. A SCHEDULE SHALL BE LEFT WITHIN EACH ENCLOSURE WITH THE LOCATION OF EACH TERMINATION. THE PANEL/ENCLOSURE SCHEDULE SHALL INCLUDE ANY REQUIRED IP ADDRESSES, MAC ADDRESSES, LOGIN CREDENTIALS, ETC.

6. SHOULD THIS PROJECT INCLUDE NEW POLES, CARD READER PEDESTALS, INTERCOM PEDESTALS, ETC. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONCRETE FOOTINGS OR PADS.

7. ALL REQUIRED EXTERIOR CABLES SHALL BE INSTALLED PER LOCAL AND NATIONAL ELECTRICAL CODES. SHOULD EMT BE UTILIZED, PROPER COMPRESSION FITTINGS SHALL BE INSTALLED. PVC CONDUIT SHALL BE A SCHEDULED AND UTILIZE PROPER EXPANSION FITTINGS TO PREVENT CRACKING.

8. SHOULD WIRELESS NETWORK TRANSCEIVERS BE UTILIZED FOR THIS PROJECT, PROPER SHIELDED NETWORK CABLING SHALL BE INSTALLED. PRIOR TO INSTALLATION, THE INSTALLING CONTRACTOR SHALL CONFIRM THAT THE SIGNALS BETWEEN TRANSCEIVERS DO NOT EXCEED THE LIMITS OF THE FIBER CABLE. SHOULD THIS BE THE CASE, THE INSTALLING CONTRACTOR SHALL CONTACT SAFER PLACES FOR DIRECTION.

9. ALL EQUIPMENT SHALL BE COURRIERED FOLLOWING MANUFACTURER SUGGESTED METHODS.

10. UNLESS OTHERWISE NOTED, THE INSTALLING CONTRACTOR SHALL PROVIDE ALL REQUIRED CORDS, STEEL, AND OTHER COMPONENTS.

11. THESE DRAWINGS ARE INTENDED FOR DIAGNOSTICAL PURPOSES ONLY AND ARE OUTLINED. THE INSTALLING CONTRACTOR IS REQUIRED TO PROVIDE ALL EQUIPMENT NEEDED FOR A COMPLETELY FUNCTIONAL SYSTEM, INCLUDING ADDITIONAL EQUIPMENT AS REQUIRED OR RECOMMENDED. PLEASE NOTIFY SAFER PLACES PRIOR TO SUBMITTING A BID AND INCLUDE THIS EQUIPMENT WITH YOUR PROPOSAL.

12. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED PER THE MANUFACTURER RECOMMENDATIONS AND INSTALLATION.

13. ALL CABLES PASSING THROUGH FIRE WALLS OR SMOKE BARRELS SYSTEMS SHALL BE FIRE-STOPPED VIA AN APPROVED UL CLASS 80/80 FIRE STOP MATERIAL.

14. SOME SYMBOLS, ABBREVIATIONS, CABLE TYPES AND GENERAL NOTES CONTAINED WITHIN THESE DRAWINGS MAY NOT BE USED FOR THIS PROJECT.

15. ALL EQUIPMENT SHALL BE AS OUTLINED IN THE SECURITY DRAWINGS. ACCEPTABLE SUBSTITUTIONS ARE LISTED ON DRAWING SEC-3. PROPOSALS/SUBMITTALS THAT DO NOT FOLLOW THESE GUIDELINES SHALL BE REJECTED. THE BIDDER WILL ALSO BE ASSOCIATED WITH PROVIDING THE SPECIFIED EQUIPMENT.

16. THIS INSTALLING CONTRACTOR SHALL CHANGE THE DEFAULT PASSWORDS AND USERNAMES ON ALL NETWORK CAMERAS, SYSTEM HARDWARE AND SOFTWARE PROGRAMS. ALL USER NAMERS/PASSWORDS SHALL BE PROPERLY DOCUMENTED ON THE AS-BUILT DRAWINGS.

**RESPONSIBILITY MATRIX**

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2U Shelf, Cable Provider Splitters

NETWORK AND COAXIAL CROSS CONNECTS

F CONNECTOR MODULAR PLUGS AS NEEDED

GROUP DROPS BY DEVICE TYPE, DATA, WAPS, TV, ETC. EQUIPMENT

POWER CONDITIONING UPS.

AVILIGON SERVERS INCLUDED W/ SECURITY SYSTEM

POWER CONDITIONING UPS.

2U Shelf, Cable Provider Splitters

NETWORK AND COAXIAL CROSS CONNECTS

F CONNECTOR MODULAR PLUGS AS NEEDED

GROUP DROPS BY DEVICE TYPE, DATA, WAPS, TV, ETC. EQUIPMENT

POWER CONDITIONING UPS.
KEY NOTES:

1. #6 AWG GREEN INSULATED CONDUCTOR IN ¾" CONDUIT.
2. 3Ø GREEN INSULATED CONDUCTOR IN 1-1/2" CONDUIT.
CONCRETE OR MASONRY WALL
CONDUIT OR SLEEVE

FIRE STOPPING MATERIAL
MORTAR OR FOAM MATERIAL

NOTES:
1. INSTALL FIRE STOPPING MATERIAL IN ACCORDANCE WITH MANUFACTURER TESTED METHODS.
2. INSTALL FIRE STOPPING MATERIAL INSIDE SLEEVES AFTER CABLE INSTALLATION IS COMPLETE.
3. ALWAYS RESTORE THE FIRE-RATING OF THE WALL TO ITS INTENDED DESIGN.

CONDUIT TERMINATION DETAIL

LOW VOLTAGE CABLE SUPPORT MAX. 6" O.C. 36 CABLES MAXIMUM PER HOOK
J-HOOK THREADED CASSETTE SUPPORT MIN. 24" OR APPROVED EQUAL

H-BAR OR STRUCTURAL SUPPORT

WALL MOUNTED GROUNDING BLOCKING (BY ELECTRICAL CONTRACTOR)

NOTES:
1. SUPPORTING CABLE IS ACCEPTABLE BELOW SUPPORT STEEL OR ABOVE STEEL. COORDINATE MOUNTING LOCATIONS WITH OTHER TRADES AND FIELD CONDITIONS. PROVIDE SUPPORT CLIPS AND THREADED RODS AS REQUIRED FOR A COMPLETE SUPPORT SYSTEM AS INDICATED.
2. SUPPORT CABLE EITHER PARALLEL OR PERPENDICULAR TO SUPPORT STEEL.

1. SUPPORT CANAIL-J-HOOK DETAIL
2. TYPICAL ELECTRICAL ELEVATION DETAIL
3. TYPICAL TERMINATION DETAIL
4. I-Beam Cable Hanger Detail

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T506
Details
**TV OUTLET - CONDUIT REQUIREMENTS**

- TV OUTLET - TWO (2) CAT6, ONE (1) RG11 CABLE & ONE (1) LEGRAND TV3WMTVSS BACK BOX. COORDINATE HEIGHT WITH ARCHITECT.

**WALL MOUNT IP/POE WALL CLOCK - CONDUIT REQUIREMENTS**

- PRINTER CHECK TO IP ADDRESS POE WALL CLOCK - ONE (1) CAT6 CABLE, ONE (1) HUBBELL NSP12W AND ONE (1) HUBBELL NSJ6W.

**DATA OUTLET (WALL MOUNTED) - CONDUIT REQUIREMENTS**

- DATA OUTLET, WALL MOUNTED - TWO (2) CAT6 HUBBELL NS612W WITH TWO (2) NSJ6W.

**DATA OUTLET (CEILING MOUNTED) - CONDUIT REQUIREMENTS**

- DATA OUTLET, CEILING MOUNTED - TWO (2) CAT6 HUBBELL NS612W WITH TWO (2) NSJ6W.

**DATA OUTLET (FLOOR MOUNTED) - CONDUIT REQUIREMENTS**

- DATA OUTLET, FLOOR MOUNTED - TWO (2) CAT6 HUBBELL NS612W WITH TWO (2) NSJ6W.
NOTES

UNLESS OTHERWISE SPECIFIED:

1. UL LISTED: E129878
2. CSA CERTIFIED: LR 80837
3. NOSE CONTACTS ARE BERYLLIUM COPPER WITH 50 MICRO INCH GOLD PLATING IN MATING AREA
4. IDC CONTACTS ARE TIN PLATED
5. ALL CONTACTS ARE UNDERPLATED IN NICKEL
6. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

CATALOG SERIES AS FOLLOWS:

"xx" = COLOR, SEE TABLE
25 PACK: NSJ6xx25
24 PACK: NSJ6xx24
SINGLE PACK: NSJ6xx

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STUFFER CAP FULLY INSERTED IN TERMINATED POSITION

STUFFER CAP FULLY INSERTED IN PRETERMINATION POSITION
THE INSTALLING CONTRACTOR SHALL DISABLE THE “PHONE HOME IDENTIFIER NUMBER” HARDWARE AND SOFTWARE PROGRAMS. ALL USER NAMES, PASSWORDS AND USERNAMES ON ALL NETWORK CAMERAS, SYSTEM WALLS, AND BACK BOXES SHOULD BE RE-CONFIGURED WITH A BACKING PLATE TO MINIMIZE DAMAGE FROM VANDALISM.

1. ALL CABLING AND CONDUIT SHALL BE INSTALLED PER LOCAL AND NATIONAL ELECTRICAL CODE APPROVED METHODS.

2. ALL EXTERIOR MOUNTED EQUIPMENT SUCH AS CAMERAS, INTERCOM STATIONS, EXHAUSTS, CARD READERS, ETC. SHALL BE PROPERLY GRANTED AND SECURED. AN 18” J-HOOK OR OTHER PROFESSIONAL HARDWARE MAY BE USED FOR ALL CONDUIT ENTERING THE EQUIPMENT ENCLOSURES AND BOXES.

3. SURFACE MOUNT CONDUIT OR RACERWAYS SHALL BE INSTALLED FOR ALL CABLING THAT CANNOT BE CONCEALED ABOVE CEILINGS OR WALLS. THE INSTALLING CONTRACTOR SHALL CONFORM TO THE FIRE STOPPING METHODS AND BACK BOX UNDERSIDING PERCENTAGES OUTLINED IN THE NATIONAL ELECTRICAL CODE.

4. EQUIPMENT SUCH AS CAMERAS, MOTIONS SENSORS AND TALK-DOWN SPEAKERS MOUNTED TO DROP-CEILING TILES SHALL BE RE-INSTALLED WITH A BACKING PLATE TO MINIMIZE DAMAGE FROM VANDALISM.

5. SHOULD THIS PROJECT INCLUDE FIBER OPTIC CABLING, THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIBER TERMINATIONS, BREAK-OUT BOXES, PATCH CABLES AND TESTING. ALL INTERIOR FIBER CABLING MUST BE INSTALLED WITH AN ARMORED CABLE OR FIBER INNER DUCT PRIOR TO INSTALLATION, THE INSTALLING CONTRACTOR SHALL CONFIRM THAT THE DISTANCE OF EACH CABLE RUN IS MAINTAINED. SHOULD THE INSTALLING CONTRACTOR UTILIZE THE FIBER CABLING, THEY SHALL BE THE CASE, THE INSTALLING CONTRACTOR SHALL INSTALL SAFER PLACES FOR DIRECTION.

6. ALL CABLING WITHIN EQUIPMENT RACKS, CONTROLS PANELS, FIELD PANELS, ENCLOSURES, ETC. SHALL BE PROPERLY DRESSED AND CLEARLY LABELED. ALL CABLES SHALL BE NEATLY BUNDLED AND SECURED. A SCHEDULE SHALL BE LEFT WITHIN EACH ENCLOSURE IDENTIFYING WHAT DEVICES ARE SERVICED BY THE RESPECTIVE PANEL/ENCLOSURE. THIS SCHEDULE SHALL INCLUDE ANY REQUIRED IP ADDRESSES, MAC ADDRESSES, LOGIN CREDENTIALS, ETC.

7. SHOULD THIS PROJECT INCLUDE NEW TOLES, CARD READER PEDESTALS, INTERCOM PEDESTALS, ETC. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONCRETE FOOTINGS OR PADS.

8. ALL REQUIRED EXTERIOR CABLING SHALL BE INSTALLED PER LOCAL AND NATIONAL ELECTRICAL CODES. IMPORTANT COMPRESSION FITTINGS SHALL BE INSTALLED. CAT 5E CABLING SHALL BE A 8-POLE AND UTILIZE PROPER EXPANSION JAWS.

9. SHOULD WIRELESS NETWORK TRANSMITTERS BE UTILIZED FOR THIS PROJECT, PROPER SHELLED NETWORK CABLING SHALL BE INSTALLED PRIOR TO INSTALLATION. THE INSTALLING CONTRACTOR SHALL PROVIDE A R/A (10-50) NOTE. IF LINE OF SIGHT DOES NOT EXIST, THE INSTALLING CONTRACTOR SHALL INSTALL SAFER PLACES FOR DIRECTION.

10. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED FOLLOWING MANUFACTURER SUGGESTED METHODS.

11. UNLESS OTHERWISE NOTED, THE INSTALLING CONTRACTOR SHALL PROVIDE ALL REQUIRED CORING, SLEEVES AND APPROVED NATIONAL ELECTRICAL CODE APPROVED METHODS.

12. THESE DRAWINGS ARE INTENDED FOR DIAGRAMATICAL PURPOSES ONLY. UNLESS OTHERWISE NOTED, THE INSTALLING CONTRACTOR SHALL PROVIDE ALL REQUIRED CORING, SLEEVES AND APPROVED NATIONAL ELECTRICAL CODE APPROVED METHODS.

13. ALL CABLING PASSING THROUGH FIRE WAILS OR SMOKE BARRIERS SHALL BE FIRE-STOPPED VIA AN APPROVED (CLASSIFIED) FIRE STOP MATERIAL.

14. SOME SYMBOLS, IMPLICATIONS, CABLE TYPES AND GENERAL NOTES CONTAINED WITHIN THESE DRAWINGS MAY NOT BE USED FOR THIS PROJECT.

15. ALL CABLING SHOULD BE AS OUTLINED IN THE SECURITY DRAWINGS ACCEPTABLE SUBSTITUTIONS ARE LISTED ON DRAWING SEC. 1. PROPOSAL SUBMISSIONS THAT DO NOT FOLLOW THESE GUIDELINES WILL BE REJECTED. THE BIDDER WILL ALSO INCUR ALL COSTS ASSOCIATED WITH PROVIDING THE SPECIFIED EQUIPMENT.

16. THE INSTALLING CONTRACTOR SHALL CHANGE THE DEFAULT PASSWORDS AND UNNAMES FOR ALL NETWORK CAMERAS, SYSTEM HARDWARE AND SOFTWARE PROGRAMS. ALL USER NAMES AND PASSWORDS SHOULD BE PROPERLY DOCUMENTED ON THE AS BUILT DRAWINGS.

17. THE INSTALLING CONTRACTOR SHALL DISABLE THE "PHONE HOME IDENTIFIER NUMBER” HARDWARE AND SOFTWARE PROGRAMS. ALL USER NAMES, PASSWORDS AND USERNAMES ON ALL NETWORK CAMERAS, SYSTEM WALLS, AND BACK BOXES SHOULD BE RE-CONFIGURED WITH A BACKING PLATE TO MINIMIZE DAMAGE FROM VANDALISM.

HEAD-END EQUIPMENT RACK - VIDEO/ACCESS SERVER, NETWORK SWITCHES, UPS, ETC. SHALL BE LOCATED WITHIN THIS CABINET. REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

FIXED SINGLE IMAGER NETWORK DOME - REFER TO EQUIPMENT SCHEDULES FOR MOUNTING AND CONSTRUCTION DETAILS.

FIXED 5‘X 4’ FIXED & 1 PTZ NETWORK DOME - REFER TO EQUIPMENT SCHEDULES FOR MOUNTING AND CONSTRUCTION DETAILS.

FIXED 270° 4-IMAGER NETWORK DOME - REFER TO EQUIPMENT SCHEDULES FOR MOUNTING AND CONSTRUCTION DETAILS.

SECURITY KEYPAD/CONTROLLER - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

WIRELESS ALARM CONTACT - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

SECURITY KEYPAD/CONTROLLER - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

WIRELESS MOTION SENSOR - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

RESPONSIBILITY MATRIX

CABLE SCHEDULE

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N/A: Not Applicable

A: Applicable

B: Base Unit

T: Terminal Unit

GENERAL NOTES

PROJECT TEAM:

FINDO GOLD ALEXANDER

HEAD-END EQUIPMENT RACK - VIDEO/ACCESS SERVER, NETWORK SWITCHES, UPS, ETC. SHALL BE LOCATED WITHIN THIS CABINET. REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

FIXED SINGLE IMAGER NETWORK DOME - REFER TO EQUIPMENT SCHEDULES FOR MOUNTING AND CONSTRUCTION DETAILS.

SECURITY KEYPAD/CONTROLLER - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

FIXED 5‘X 4’ FIXED & 1 PTZ NETWORK DOME - REFER TO EQUIPMENT SCHEDULES FOR MOUNTING AND CONSTRUCTION DETAILS.

FIXED 270° 4-IMAGER NETWORK DOME - REFER TO EQUIPMENT SCHEDULES FOR MOUNTING AND CONSTRUCTION DETAILS.

12MP FISHEYE CAMERA

NEMA ENCLOSURE JUNCTION BOX

WEATHERPROOF, 120 VAC

INTERCOM ENTRY PANEL - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

APARTMENT INTERCOM PANEL - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

WIRELESS POINT-TO-MULTIPOINT NETWORK RADIO - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

CARD READER PACKAGE - INCLUDES READER, DOOR ACCESS STATUS CONTACTS, REQUIRED LOCKING HARDWARE, KEYING, ETC. REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

DOOR MONITOR PACKAGE (FREE EGRESS) - INCLUDES DOOR STATUS CONTACTS AND REQUEST TO EXIT SENSOR. REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

NO TOUR BATTERY OPERATED LOCK UNIT SET. REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

HALO SMART SENSOR - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

PANIC ALARM BUTTON - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

WIRELESS ALARM CONTACT - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

WIRELESS MOTION SENSOR - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

WIRELESS ALARM CONTACT - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.

SECURITY KEYPAD/CONTROLLER - REFER TO EQUIPMENT SCHEDULES FOR DETAILS.
shall be carefully examined before bid for any work submitted.

2. The Contractor shall submit copies of any equipment or materials which are to be furnished for the Work.

3. The Contractor shall submit with each bid a list of all equipment and materials to be furnished for the Work, specifying the make, model, and quantity of each item.

4. The Contractor shall submit a detailed engineering drawing showing the location and arrangement of all equipment and materials to be furnished for the Work.

5. The Contractor shall submit a complete list of all equipment and materials to be furnished for the Work, including the make, model, and quantity of each item.

6. The Contractor shall submit a detailed engineering drawing showing the location and arrangement of all equipment and materials to be furnished for the Work.

7. The Contractor shall submit with each bid a list of all equipment and materials which are to be furnished for the Work, specifying the make, model, and quantity of each item.

8. The Contractor shall submit a complete list of all equipment and materials to be furnished for the Work, including the make, model, and quantity of each item.

9. The Contractor shall submit with each bid a list of all equipment and materials which are to be furnished for the Work, specifying the make, model, and quantity of each item.

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49. The Contractor shall submit with each bid a list of all equipment and materials which are to be furnished for the Work, specifying the make, model, and quantity of each item.

50. The Contractor shall submit a complete list of all equipment and materials to be furnished for the Work, including the make, model, and quantity of each item.
industry standard video compression formats, including, but not limited to, the
Government policies and other customer policies by enabling FIPS 140-2
the VMS shall comply with Federal
Q.
and utilize HDSM SmartCodec technology.

P/N: 6.0C-H5A-DO1, fixed dome, 6 MP, WDR, 4.9-8mm lens, onboard
management system. Regardless of manufacturer.

standards to ensure interoperability between IP-based and ONVIF conformant
ONVIF Profile S, T and G Compliance:

DESCRIPTION

onboard analytics.

P/N: 8.0C-H6A-DO1-IR, fixed dome, 8 MP, WDR, 4.4-9.3mm lens, IR, onboard
analytics.

P/N: 8.0C-H6A-D2-IR, fixed dome, 8 MP, WDR, 10.9-29mm lens, onboard
analytics.

P/N: 8.0C-H6A-D2, fixed dome, 8 MP, WDR, 10.9-29mm lens, onboard
analytics.

P/N: 8.0C-H6A-D1-IR, fixed dome, 8 MP, WDR, 4.4-9.3mm lens, IR, onboard
analytics.

P/N: 8.0C-H6A-D1, fixed dome, 8 MP, WDR, 4.4-9.3mm lens, onboard
analytics.

P/N: 4.0C-H6A-DO1-IR, fixed dome, 4 MP, WDR, 4.4-9.3mm lens, IR, onboard
analytics.

P/N: 4.0C-H6A-DO1, fixed dome, 4 MP, WDR, 4.4-9.3mm lens, onboard
analytics.

P/N: 4.0C-H6A-D1-IR, fixed dome, 4 MP, WDR, 4.4-9.3mm lens, IR, onboard
analytics.

P/N: 4.0C-H6A-D1, fixed dome, 4 MP, WDR, 4.4-9.3mm lens, onboard
analytics.

P/N: 2.0C-H6A-D2-IR, fixed dome, 2 MP, WDR, 10.9-12mm lens, IR, onboard
analytics.

P/N: 2.0C-H6A-D2, fixed dome, 2 MP, WDR, 10.9-12mm lens, onboard
analytics.

P/N: 2.0C-H6A-D1-IR, fixed dome, 2 MP, WDR, 3.3-9mm lens, IR, onboard
analytics.

P/N: 2.0C-H6A-D1, fixed dome, 2 MP, WDR, 3.3-9mm lens, onboard
analytics.

P/N: 5.0C-H5A-DP2, fixed dome, 5 MP, WDR, 9-22mm lens, onboard
analytics.

P/N: 5.0C-H5A-DP1, fixed dome, 5 MP, WDR, 3.3-9mm lens, onboard
analytics.

P/N: 2.0C-H5A-DO2, fixed dome, 2 MP, WDR, 9-22mm lens, onboard
analytics.

P/N: 8.0C-H5A-DO2, fixed dome, 8 MP, WDR, 4.9-8mm lens, onboard
analytics.

P/N: 8.0C-H5A-DO1-IR, fixed dome, 8 MP, WDR, 2.6-4.9mm lens, IR, onboard
analytics.

P/N: 8.0C-H5A-DO1, fixed dome, 8 MP, WDR, 2.6-4.9mm lens, onboard
analytics.

P/N: 4.0C-H5A-DO2, fixed dome, 4 MP, WDR, 10.9-29mm lens, onboard
analytics.

P/N: 4.0C-H5A-D2-IR, fixed dome, 4 MP, WDR, 10.9-29mm lens, IR, onboard
analytics.

P/N: 4.0C-H5A-D2, fixed dome, 4 MP, WDR, 10.9-29mm lens, onboard
analytics.

P/N: 2.0C-H5A-D2, fixed dome, 2 MP, WDR, 10.9-12mm lens, onboard
analytics.

P/N: 2.0C-H5A-D1-IR, fixed dome, 2 MP, WDR, 3.3-9mm lens, IR, onboard
analytics.

P/N: 2.0C-H5A-D1, fixed dome, 2 MP, WDR, 3.3-9mm lens, onboard
analytics.

P/N: 4.0C-H5A-D1-IR, fixed dome, 4 MP, WDR, 4.4-9.3mm lens, IR, onboard
analytics.

P/N: 4.0C-H5A-D1, fixed dome, 4 MP, WDR, 4.4-9.3mm lens, onboard
analytics.

P/N: 8.0C-H5A-D1-IR, fixed dome, 8 MP, WDR, 2.6-4.9mm lens, IR, onboard
analytics.

P/N: 8.0C-H5A-D1, fixed dome, 8 MP, WDR, 2.6-4.9mm lens, onboard
analytics.

P/N: 5.0C-H5A-D1-IR, fixed dome, 5 MP, WDR, 4.9-8mm lens, IR, onboard
analytics.

P/N: 5.0C-H5A-D1, fixed dome, 5 MP, WDR, 4.9-8mm lens, onboard
analytics.

P/N: H4A-DO-CLER1, outdoor dome camera cover with clear bubble.

P/N: H4A-DO-SMOK1, outdoor dome camera cover with smoked bubble.

P/N: H4A-MT-NPTA1, pendant NPT adapter.

P/N: H4A-DP-CLER1, outdoor pendant dome camera cover with clear bubble.

P/N: H4A-DP-SMOK1, outdoor pendant dome camera cover with smoked bubble.

P/N: H4A-AC56-NA-MSI, USB Wi-Fi adapter.

P/N: USB-AC56-NA-MSI, USB Wi-Fi adapter.

P/N: H4-AC-WIFI2-NA (or -EU), USB Wi-Fi adapter.

P/N: DMSLD-1001, Weathershield for dome cameras

P/N: PLMT-1001, Pole Mount Adapter

P/N: PNM-AC-R01, pendant AC receptacle.

P/N: H4A-DC-ELCT1, outdoor pendant enclosure.

P/N: DWR-AC-ELCT1, indoor pendant enclosure.

P/N: H4A-AC-ELCT1, pendant AC enclosure.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.


P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.


P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-ELCT1, pendant AC enclosure with covers.

P/N: H4A-AC-NP1001, pendant AC enclosure with covers.

P/N: CM-AC-GROM1, pipe grommet, pack of 10.

P/N: CM-AC-AC-ELCT1, pendant AC enclosure with covers.
SHEET NAME: JAS

PROJECT INFORMATION:

5. For In-Ceiling Mounting include:
   a. Mounting Accessories for In-Ceiling Dome Camera
   P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.
   b. Mounting Accessories for Junction Box Mounting
   P/N: CM-AC-AVIO1, 3.5mm jack with 1.8m fly wire.
   c. Other Accessories:

6. Dual Head camera shall be Avigilon H5 Series Dual Head Camera

   - P/N: 2.0C-H5A-D1-IR, fixed dome, 2 MP, WDR, 3.3-9mm lens with IR.
   - P/N: 3.0C-H5A-CR1-IR, cold rolled steel, 3 MP, 3-9mm varifocal lens with IR.
   - P/N: 5.0C-H6M-D2-IR, fixed dome, 5 MP. WDR, 2.4mm lens with IR.
   - P/N: H4-MT-CRNR1, aluminum corner mounting bracket.
   - HDSM SmartCodec technology.

   The dual head camera shall be FIPS 140-2 compliant and include built-in microphone for audio recording.

   - Drill Mounting Accessories for Pendant Wall Mounting:
     P/N: H4-MT-PEND1, pendant wall mount adapter.

   - Mounting Accessories for Junction Box Mounting
     P/N: CLPNL-1001, metal ceiling panel.

   - Other Accessories:
     P/N: AC-MT-501, metal surface mount adapter.

7. Surface Mount Indoor Dome Camera shall be Avigilon H5 Series Multisensor Camera

   - P/N: 1.0C-H5A-D1, fixed dome, 1 MP, WDR, 3.3-9mm lens.
   - P/N: 2.0C-H5A-D1, fixed dome, 2 MP, WDR, 3.3-9mm lens with IR.
   - P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.
   - P/N: H4AMH-AD-IRIL1, optional IR illuminator ring, add P/N: CLPNL-1001 if, metal ceiling panel.

   - For Ceiling Mounting includes:
     a. Mounting Accessories for Pendant Wall Mounting
        P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.
     b. Mounting Accessories for Junction Box Mounting
        P/N: CM-AC-AVIO1, 3.5mm jack with 1.8m fly wire.

   - Other Accessories:
     P/N: AC-MT-501, metal surface mount adapter.

8. Indoor Dome Camera shall be Avigilon H5 Series Dome Camera

   - P/N: 1.0C-H5A-D1, fixed dome, 1 MP, WDR, 3.3-9mm lens with IR.
   - P/N: 2.0C-H5A-D1, fixed dome, 2 MP, WDR, 3.3-9mm lens.
   - P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.
   - P/N: H4AMH-AD-IRIL1, optional IR illuminator ring, add P/N: CLPNL-1001 if, metal ceiling panel.

   - For Ceiling Mounting includes:
     a. Mounting Accessories for Pendant Wall Mounting
        P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.
     b. Mounting Accessories for Ceiling Mounting
        P/N: CM-AC-AVIO1, 3.5mm jack with 1.8m fly wire.

   - Other Accessories:
     P/N: AC-MT-501, metal surface mount adapter.

9. Multiple Cameras offered at 1080P 720P and 360x180 360x180 360x180 lens high definition digital camera with triple exposure ultra-wide dynamic range (WDR) and patented LightCatcher™ technology.

   - HDSM SmartCodec technology.
   - All cameras shall be Avigilon H5 Series Multisensor Camera
   - P/N: 1.0C-H5A-D1, fixed dome, 1 MP, 3.3-9mm lens with IR.
   - P/N: 2.0C-H5A-D1, fixed dome, 2 MP, 3.3-9mm lens.
   - P/N: 3.0C-H5A-CR1-IR, cold rolled steel, 3 MP, 3-9mm varifocal lens with IR.
   - P/N: 4.0C-H5A-D1, fixed dome, 4 MP, 3.3-9mm lens.
   - P/N: 5.0C-H6M-D2-IR, fixed dome, 5 MP. WDR, 2.4mm lens with IR.
   - P/N: H4-MT-CRNR1, aluminum corner mounting bracket.
   - HDSM SmartCodec technology.

   The dual head camera shall be FIPS 140-2 compliant and include built-in microphone for audio recording.

   - Drill Mounting Accessories for Pendant Wall Mounting:
     P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.

   - Mounting Accessories for Junction Box Mounting
     P/N: CLPNL-1001, metal ceiling panel.

   - Other Accessories:
     P/N: AC-MT-501, metal surface mount adapter.

10. Dual Head camera shall be Avigilon H5 Series Dual Head Camera

   - P/N: 2.0C-H5A-D1-IR, fixed dome, 2 MP, WDR, 3.3-9mm lens with IR.
   - P/N: 3.0C-H5A-CR1-IR, cold rolled steel, 3 MP, 3-9mm varifocal lens with IR.
   - P/N: 5.0C-H6M-D2-IR, fixed dome, 5 MP. WDR, 2.4mm lens with IR.
   - P/N: H4-MT-CRNR1, aluminum corner mounting bracket.
   - HDSM SmartCodec technology.

   The dual head camera shall be FIPS 140-2 compliant and include built-in microphone for audio recording.

   - Drill Mounting Accessories for Pendant Wall Mounting:
     P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.

   - Mounting Accessories for Junction Box Mounting
     P/N: CLPNL-1001, metal ceiling panel.

   - Other Accessories:
     P/N: AC-MT-501, metal surface mount adapter.

- For Ceiling Mounting includes:
  a. Mounting Accessories for Pendant Wall Mounting
     P/N: H5AMH-AD-PEND1, outdoor pendant mount adapter.
  b. Mounting Accessories for Ceiling Mounting
     P/N: CM-AC-AVIO1, 3.5mm jack with 1.8m fly wire.
Autodesk Docs://Jones Library/Jones Library_ARC2023.rvt

P/N: 8.0C-H5A-DO1-IR, fixed dome, 8 MP, WDR, 4.9-8mm lens, IR

P/N: WLMT-1021, Pendant Wall Adapter

HDSM SmartCodec technology.

S, T & G compliant, include wi-fi camera configuration support and utilize lens. Cameras embedded with self-learning video analytics, ONVIF Profile 2, 4, 5, 6 and 8 megapixel high-definition digital camera with patented devices regardless of manufacturer.

P/N: 5.0C-H5A-DO2, fixed dome, 5 MP, WDR, 9-22mm lens, onboard LightCatcher™ technology. All cameras shall be equipped with a varifocal

P/N: 4.0C-H5A-DO2, fixed dome, 4 MP, WDR, 9-22mm lens, onboard

P/N: 4.0C-H5A-DO1-IR, fixed dome, 4 MP, WDR, 3.3-9mm lens, IR, onboard analytics.

P/N: 8.0C-H6A-DO2-IR, fixed dome, 8 MP, WDR, 10.9-29mm lens, onboard analytics.

H.264

JPEG2000

Process: Intel 1 or 2 x 8-core Xeon or 16-core Xeon.

Hard disk config (video): RAID 6 or RAID 60, up to 10, 12, 18 or 30 TB, 24 x 3.5" hard drives, RAID 0, 1, 5, 6, 10, 15 or 50.

300 cameras per server.

H.264 search engine to allow investigators to sort through large amounts of video data, recognize objects of interest, and locate recorded images containing the user or event of interest and time periods.

Hard disk config (OS): 2 x 240 GB or 480 GB M.2 SSD drives, RAID 1.

Detect, classify and track up to 50 moving or stationary objects in a scene. Teach-by-Example Technology: All cameras shall be equipped with a varifocal onboard analytics.

Dome Camera:

Indoor Dome camera

Outdoor Dome camera

Indoor Bullet Camera:

Outdoor Bullet camera

the VMS shall implement a sophisticated object classifier of people and vehicles while ignoring motion not relevant to a scene. This learning will aid the VMS to reduce false positives while keeping actual events meaningful.

Conygen Example Technology: the VMS will utilize the object classifier technology to enable users to provide feedback about the accuracy of an object and to modify the system during iterations.

Video Motion Detection (VMD) for the VMS shall utilize this advanced AI technology to enable the system to detect changes in visual objects in a scene regardless of manufacturer.

A. A/V Consulting
B. Access Control
C. Architectural Design
D. Automating Access Control

PROJECT INFORMATION:

shall be Avigilon H5A Series Bullet Camera:

shall be Avigilon H6A Series Dome Camera:

shall be Avigilon H5A Series Dome Camera:

shall be Avigilon H6A Series Dome Camera:

shall be Avigilon H6A Series Dome Camera:

shall be Avigilon H5A Series Dome Camera:

shall be Avigilon H6A Series Dome Camera:

shall be Avigilon H5A Series Dome Camera:

shall be Avigilon H6A Series Dome Camera:

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shall be Avigilon H6A Series Dome Camera:

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shall be Avigilon H6A Series Dome Camera:

shall be Avigilon H6A Series Dome Camera:

shall be Avigilon H6A Series Dome Camera:
3. SUMMARY

The Contractor is responsible for the design and installation of all cabling systems. The Contractor must ensure that all cabling systems comply with the relevant standards and specifications. The following summarizes the key requirements:

- Ensure all cabling systems meet the relevant standards and specifications.
- Perform testing and verification of all cabling systems.
- Provide documentation for all cabling systems.

4. EQUIPMENT INSTALLATION

The Contractor is responsible for the design and installation of all cabling systems. The Contractor shall ensure that all cabling systems comply with the relevant standards and specifications. The Contractor must provide documentation for all cabling systems.

5. CATEGORIZE AC & CAT 5E CABLE PERFORMANCE TESTS

1. Electrostatic Discharge

   The Contractor shall perform electrostatic discharge (ESD) testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all ESD testing performed.

2. Communication MOSFET Testing

   The Contractor shall perform communication MOSFET testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all communication MOSFET testing performed.

3. Power Surge Testing

   The Contractor shall perform power surge testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all power surge testing performed.

4. Fire Protection Testing

   The Contractor shall perform fire protection testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all fire protection testing performed.

5. Water Intrusion Testing

   The Contractor shall perform water intrusion testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all water intrusion testing performed.

6. Temperature Cycling Testing

   The Contractor shall perform temperature cycling testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all temperature cycling testing performed.

7. Humidity Testing

   The Contractor shall perform humidity testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all humidity testing performed.

8. Robustness Testing

   The Contractor shall perform robustness testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all robustness testing performed.

9. Mechanical Testing

   The Contractor shall perform mechanical testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all mechanical testing performed.

10. Electrical Testing

    The Contractor shall perform electrical testing on all cabling systems in accordance with the relevant standards and specifications. The Contractor shall provide documentation for all electrical testing performed.
DIVISION 28 EXECUTION SPECIFICATIONS

1. Scope
   a. These Division 28 Execution Specifications shall be incorporated into the project and executed in accordance with the requirements of the Engineer. The project team shall ensure that all work performed is in accordance with the project drawings, specifications, and this Division 28 Execution Specifications.

2. General
   a. The overall objective of this specification is to provide guidance and direction to the project team on how to execute the work in a manner that meets the requirements of the project drawings, specifications, and the Engineer.

3. Project Management
   a. The project management plan shall address the following:
      i. Project management roles and responsibilities
      ii. Project management processes
      iii. Project management tools and techniques
   b. The project management plan shall be updated as necessary to reflect changes in the project scope, schedule, or budget.

4. Quality Assurance
   a. The quality assurance plan shall address the following:
      i. Quality management responsibilities
      ii. Quality management processes
      iii. Quality management tools and techniques
   b. The quality assurance plan shall be updated as necessary to reflect changes in the project scope, schedule, or budget.

5. Safety and Health
   a. The safety and health plan shall address the following:
      i. Safety and health management responsibilities
      ii. Safety and health management processes
      iii. Safety and health management tools and techniques
   b. The safety and health plan shall be updated as necessary to reflect changes in the project scope, schedule, or budget.

6. Change Management
   a. The change management plan shall address the following:
      i. Change management roles and responsibilities
      ii. Change management processes
      iii. Change management tools and techniques
   b. The change management plan shall be updated as necessary to reflect changes in the project scope, schedule, or budget.

7. Contract Management
   a. The contract management plan shall address the following:
      i. Contract management roles and responsibilities
      ii. Contract management processes
      iii. Contract management tools and techniques
   b. The contract management plan shall be updated as necessary to reflect changes in the project scope, schedule, or budget.

8. Communication
   a. The communication plan shall address the following:
      i. Communication management responsibilities
      ii. Communication management processes
      iii. Communication management tools and techniques
   b. The communication plan shall be updated as necessary to reflect changes in the project scope, schedule, or budget.

9. Project Closeout
   a. The project closeout plan shall address the following:
      i. Project closeout management responsibilities
      ii. Project closeout management processes
      iii. Project closeout management tools and techniques
   b. The project closeout plan shall be updated as necessary to reflect changes in the project scope, schedule, or budget.
TYPICAL HARDWARE MOUNTING LOCATIONS

SECURE SIDE

"OUT" WALL MOUNTED FOB READER (48" A.F.F.)
"IN" MULLION MTD. FOB READER (48" A.F.F.)
"IN" WALL MTD. FOB READER (48" A.F.F.)
APARTMENT INTERCOM PANEL (48" A.F.F. TO THE CENTER OF THE HIGHEST OPERATION BUTTON)
DOOR POSITION SWITCH
REQUEST TO EXIT SENSOR
24VDC ELECTRIC STRIKE
24VDC ELECTRIFIED CRASH BAR
24VDC MAGNETIC DOOR LOCK
24VDC LEVER SET OR BATTERY-OPERATED LOCKSET
POWER TRANSFER HINGE
EXTERNAL DOOR CORD
PNEUMATIC EMERGENCY RELEASE BUTTON
3XLOGIC EIDC32 SINGLE DOOR POE CONTROLLER

NOTES:
1. REFER TO THE SAFER PLACES EQUIPMENT SCHEDULES FOR EQUIPMENT REQUIREMENTS.
2. REFER TO THE ARCHITECTURAL DOOR SCHEDULES AND DIVISION 8 SPECIFICATION FOR EXACT DOOR HARDWARE REQUIREMENTS.
3. PREFER TO THE SAFER PLACES RISER DIAGRAM FOR CABLING REQUIREMENTS.
### ACCESS CONTROL SYSTEM HEAD-END EQUIPMENT SCHEDULE

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<td>SI-200</td>
<td>Bosch</td>
<td>CS-100</td>
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### ACCESS CONTROL DOOR SCHEDULE

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<tr>
<th>Device</th>
<th>Level</th>
<th>Location</th>
<th>Card Reader</th>
<th>Door Status</th>
<th>Contact</th>
<th>Request to Exit Sensor</th>
<th>Electric Locking Hardware</th>
<th>Cable Type</th>
<th>Termination Point</th>
<th>Notes</th>
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<td>Bosch</td>
<td>CS-100</td>
<td>Refer to specification section 00706 and the door hardware schedules on the construction for door hardware specifications.</td>
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</table>

The equipment shall be supported at each campus. The wiring connector will be color coded per the cable identification color code chart.

This equipment shall be supported at each campus. The connecting connector will be color coded per the cable identification color code chart.
## ACCESS CONTROL DOOR SCHEDULE

<table>
<thead>
<tr>
<th>Device</th>
<th>Level</th>
<th>Location</th>
<th>Card Reader</th>
<th>Door Status Contact</th>
<th>Request to Exit Sensor</th>
<th>Electric Locking Hardware</th>
<th>Cable Type</th>
<th>Termination Point</th>
<th>Notes:</th>
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<tr>
<td>R23</td>
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<td>Exterior to Youth Fiction 127</td>
<td>3xLogic / S-DOOR-KIT-MPW</td>
<td>Bosch/ISMN-CTC75-B</td>
<td>Bosch / DS160i</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications</td>
<td>B.F</td>
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<td>Bosch/ISMN-CTC575-AR</td>
<td>Bosch / DS160i</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications</td>
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<td>DS/190</td>
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<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
<td>Field determined</td>
</tr>
<tr>
<td>R47</td>
<td>2</td>
<td>Head of Information 225</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
<td>Field determined</td>
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<tr>
<td>R48</td>
<td>2</td>
<td>Quiet/Guard Study 203</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
<td>Field determined</td>
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<tr>
<td>R49</td>
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<td>Quiet/Guard Study 202</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>R50</td>
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<td>Quiet/Guard Study 201</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
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<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Y.A. Group Study 205</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Youth/Adult Area 204</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
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<tr>
<td>R53</td>
<td>2</td>
<td>Tutor 214</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<tr>
<td>R54</td>
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<td>Tutor 213</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>3xLogit (S-DOOR-KIT-MPW)</td>
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<td>Bosch/S</td>
<td>DS/190</td>
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<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>R57</td>
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<td>Tutor 217</td>
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<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<tr>
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<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
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<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>R60</td>
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<td>Staff B</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
<td>Field determined</td>
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<td>R61</td>
<td>2</td>
<td>Y.A. Program Room 208</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
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<td>R62</td>
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<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
<td>Field determined</td>
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<tr>
<td>R63</td>
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<td>Y.A. Program Room 206</td>
<td>3xLogit (S-DOOR-KIT-MPW)</td>
<td>Latch/ S/ CTC-5</td>
<td>Bosch/S</td>
<td>DS/190</td>
<td>Refer to specification section 08700 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B/F</td>
<td>Field determined</td>
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### ACCESS CONTROL DOOR SCHEDULE

<table>
<thead>
<tr>
<th>Device</th>
<th>Level</th>
<th>Location</th>
<th>Card Reader</th>
<th>Door Status Contact</th>
<th>Request to Exit Sensor</th>
<th>Electric Locking Hardware</th>
<th>Code Type</th>
<th>Termination Point</th>
<th>Notes</th>
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<tbody>
<tr>
<td>RH1</td>
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<td>Direct 2300</td>
<td>3x Log/1 Door Kit-MPA</td>
<td>Bosch/ 160-0772-9</td>
<td>Bosch/ DS-3064</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>RH2</td>
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<td>Business Manager 2000</td>
<td>3x Log/1 Door Kit-MPA</td>
<td>Bosch/ 160-0772-9</td>
<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Head of Procurement 2550</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>RH4</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Bosch/ DS-1553</td>
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<td>RH6</td>
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<td>Technology Specialist 230</td>
<td>3x Log/1 Door Kit-MPA</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<tr>
<td>RH7</td>
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<td>Head of Information 222</td>
<td>3x Log/1 Door Kit-MPA</td>
<td>Bosch/ 160-0772-9</td>
<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<tr>
<td>RH8</td>
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<td>Guest Group Study 205</td>
<td>3x Log/1 Door Kit-MPA</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>3x Log/1 Door Kit-MPA</td>
<td>Bosch/ 160-0772-9</td>
<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Y.A. Group Study 205</td>
<td>3x Log/1 Door Kit-MPA</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>3x Log/1 Door Kit-MPA</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>RS4</td>
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<td>Tuba 214</td>
<td>3x Log/1 Door Kit-MPA</td>
<td>Bosch/ 160-0772-9</td>
<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>RS6</td>
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<td>Bosch/ 160-0772-9</td>
<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B, F</td>
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<td>3x Log/1 Door Kit-MPA</td>
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<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>3x Log/1 Door Kit-MPA</td>
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<td>Bosch/ DS-1553</td>
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<td>Star 8</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B, F</td>
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<td>Head of Youth Advisory 207</td>
<td>3x Log/1 Door Kit-MPA</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
<td>B, F</td>
<td>Field determined</td>
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</table>

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<tr>
<th>Device</th>
<th>Level</th>
<th>Location</th>
<th>Card Reader</th>
<th>Door Status Contact</th>
<th>Request to Exit Sensor</th>
<th>Electric Locking Hardware</th>
<th>Code Type</th>
<th>Termination Point</th>
<th>Notes</th>
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<tr>
<td>RH1</td>
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<td>Door to Penthouse</td>
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<td>Bosch/ DS-1553</td>
<td>Refer to specification section 6730 and the door hardware schedules on the construction for door hardware specifications.</td>
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<td>Bosch/ DS-1553</td>
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<td>Device ID</td>
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<td>Mount</td>
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<td>Adapter 2</td>
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<td>Ethernet over UTP Extender</td>
<td>Mount Type</td>
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<tr>
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<td>Garden</td>
<td>Exterior near Tack Services Workroom</td>
<td>August 8/19B-AHR</td>
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# VIDEO CAMERA SCHEDULE

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