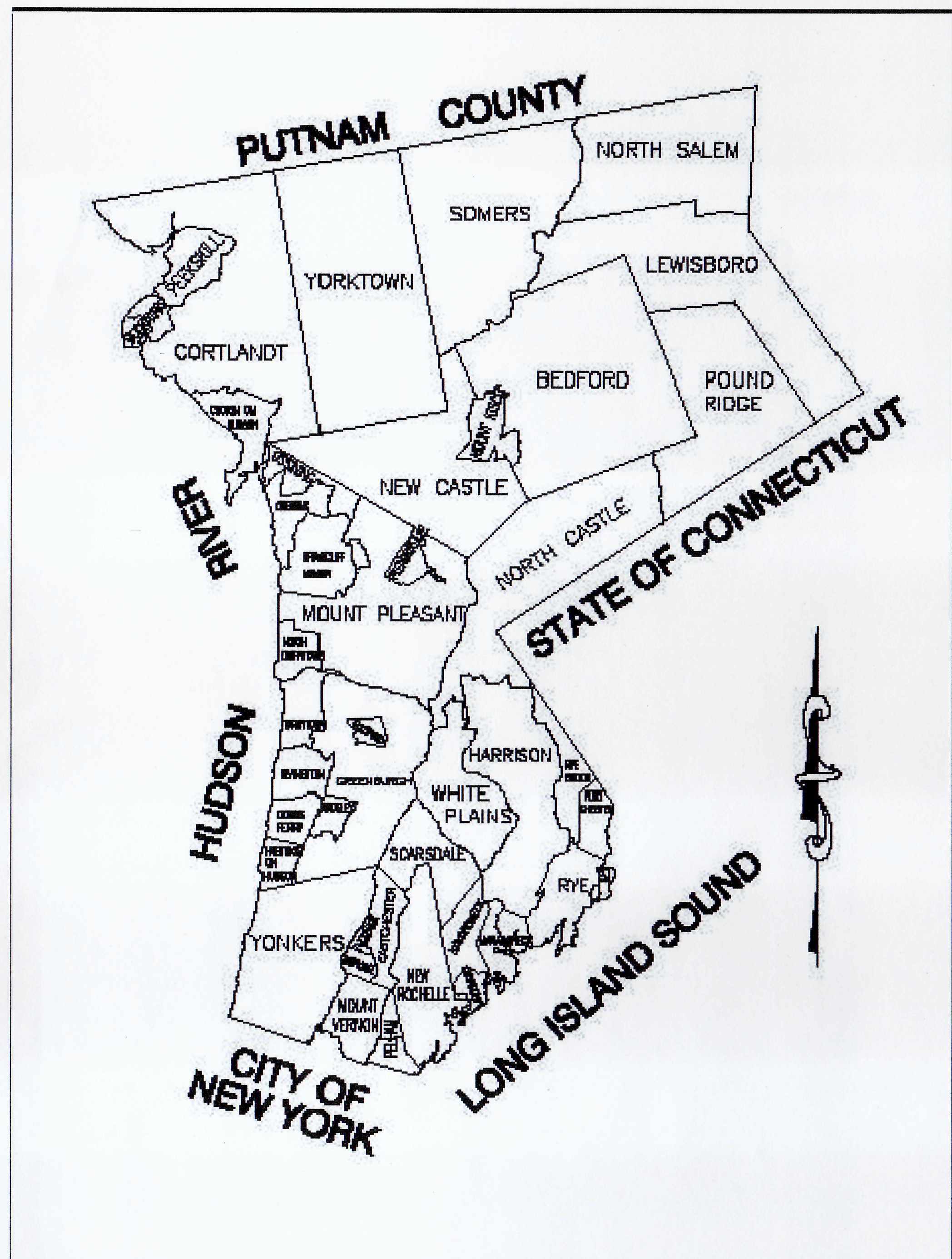
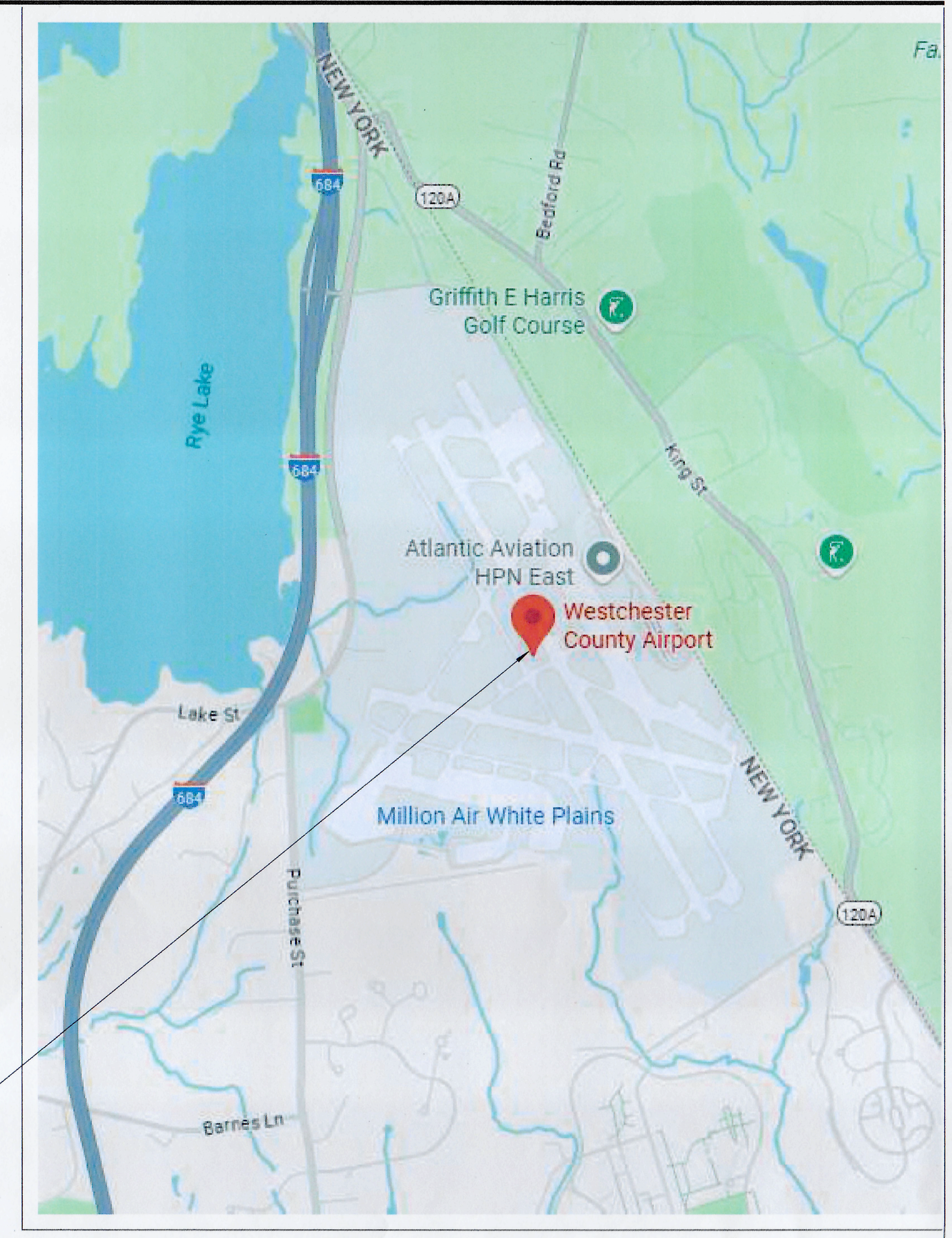


WESTCHESTER COUNTY

WESTCHESTER COUNTY

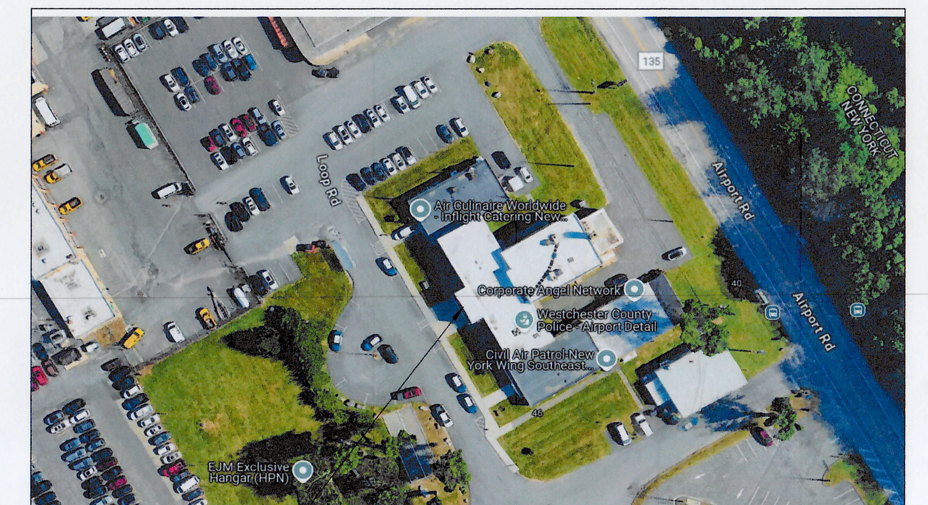
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING



SITE LOCATION
SCALE: NTS

LOCATION MAP
SCALE: N.T.S.

CONTRACT NO. 25-532
BUILDING 1 REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK



SITE LOCATION
SCALE: NTS

WORK ALTERATION - LEVEL 3
1 LOOP ROAD, NORTH CASTLE
SECTION, BLOCK, LOT DESIGNATION - 119.03-1-3

GENERAL NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES AND ACCEPTED INDUSTRY STANDARDS. ANY WORK SHOWN ON DRAWINGS OR DESCRIBED TO BE INSTALLED ARE SUBJECT TO THE LAWS, ORDINANCES, OR REGULATIONS, OR REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION. ANY NEW WORK NOT INSTALLED PER RELEVANT CODES AND REGULATIONS SHALL BE MODIFIED TO BRING IT INTO CONFORMITY WITH THESE LAWS, ORDINANCES AND REGULATIONS, WITHOUT ADDITIONAL COST TO THE OWNER/TENANT. OBTAIN AND PAY FOR ALL PERMITS, LICENSES, ETC. REQUIRED BY AUTHORITIES HAVING JURISDICTION. OBTAIN ALL CERTIFICATES OF OCCUPANCY REQUIRED BY AUTHORITIES HAVING JURISDICTION.
2. VERIFY ALL EXISTING CONDITIONS AND ESTABLISH COMPATIBILITY OF ALL NEW WORK PRIOR TO COMMENCEMENT OF WORK.
3. SCHEDULE AND SEQUENCE ALL WORK WITH OWNER TENANT PRIOR TO BEGINNING WORK. COORDINATE ALL OWNER/TENANT FURNISHED VENDORS AND MATERIALS AS REQUIRED TO MAINTAIN THE CONSTRUCTION SCHEDULE.
4. PROTECT ALL EXISTING AND NEW CONSTRUCTION FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.
5. THOROUGHLY CLEAN ALL AREAS AND SPACES USED TO ACCESS WORK AREAS WITHIN CONTRACT LIMITS AND BROOM CLEAN TWICE DAILY AT A MINIMUM. PROVIDE FIRE RETARDANT DUST MATS AT ALL EXITS AND ENTRANCES TO SPACES UNDER CONSTRUCTION. DUST MATS SHALL BE REPLACED AT A MIN. OF TWICE WEEKLY.
6. COORDINATE EXACT LOCATION OF ALL ASSOCIATED WORK WITH NEW FIXTURES, FURNITURE, AND EQUIPMENT PROVIDED EITHER AS A PART OF THE CONTRACT DOCUMENTS OR FURNISHED OR PROVIDED BY OTHERS.
7. HAZARDOUS MATERIALS TESTING HAS BEEN COMPLETED. REMOVAL AND ABATEMENT REQUIREMENTS ARE DOCUMENTED IN REPORTS PROVIDED BY THE OWNER AND INCLUDED IN THE PROJECT MANUAL APPENDICES. CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL APPLICABLE ABATEMENT, HANDLING, AND REGULATORY REQUIREMENTS IDENTIFIED IN THOSE REPORTS. ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE DISCOVERY OF MATERIALS NOT IDENTIFIED IN OWNER PROVIDED REPORTS.
8. ALL PENETRATIONS IN RATED ASSEMBLIES WHETHER NEW OR EXISTING SHALL BE SEALED WITH UL/FM APPROVED MATERIALS AND PROCEDURES. SUBMIT ALL APPLICATION INFORMATION TO ARCHITECT PRIOR TO STARTING WORK.
9. ALL PARTIES RESPONSIBLE FOR WORK ASSOCIATED WITH THESE CONSTRUCTION DOCUMENTS SHALL REVIEW ALL SHEETS AND SPECIFICATIONS. IN THE CASE DISCREPANCIES ARE FOUND WITHIN THESE CONSTRUCTION DOCUMENTS, PROMPTLY NOTIFY ARCHITECT FOR CLARIFICATION AND DIRECTION. DO NOT PROCEED PRIOR TO DIRECTION FROM ARCHITECT. UNLESS DIRECTED OTHERWISE, ALL WORK SHALL REFLECT THE GREATEST QUANTITY, QUALITY, AND COMPLETENESS OF DISCREPANT ITEMS DEFINED WITHIN THESE CONSTRUCTION DOCUMENTS.
10. NOTIFY THE ARCHITECT IMMEDIATELY IF COMPLIANCE WITH ALL DRAWINGS AND NOTES CALLED FOR ON ALL CONTRACT DOCUMENTS IS NOT POSSIBLE.
11. PRIOR TO THE SUBMISSION OF ANY PROPOSAL, INSPECT THE SITE TO DETERMINE THE EXTENT OF THE WORK TO BE PERFORMED.
12. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS, THESE NOTES, DIMENSIONS, SPECIFICATIONS AND FIELD CONDITIONS BEFORE COMMENCING ANY WORK.
13. FURNISH MASTER SCHEDULE AND DETAILED "LOOK AHEAD" SCHEDULE PRIOR TO COMMENCEMENT. PROVIDE FIELD PROGRESS SCHEDULES TO ARCHITECT, OWNER / TENANT FOR ALL PHASES OF WORK. PROVIDE PHOTOGRAPHIC IMAGES OF PROGRESS AT INTERVALS AGREED TO AT TIME OF COMMENCEMENT.
14. COORDINATE ALL BUILDING SERVICES, TEMPORARY FIRE PROTECTION, TRASH REMOVAL, AND COMPLIANCE WITH CONSTRUCTION REGULATIONS. COMPLY WITH BUILDING RULES AND REGULATIONS. AVOID CONFLICT OR INTERFERENCE WITH THE NORMAL BUILDING OPERATIONS. NOTIFY LANDLORD / TENANT / OWNER OF ANY SYSTEMS TESTING AND/OR SHUTDOWNS WITHIN 72 HOURS OF PLANNED ACTIVITY OR AT A TIME SPECIFIED WITHIN BUILDING REGULATIONS.
15. PROVIDE FINAL CLEANING UPON COMPLETION OF ALL TRADES IN PROJECT AREA AND THOSE AREAS AFFECTED BY CONSTRUCTION ACTIVITIES.
16. PROVIDE EACH TRADE WITH COMPLETE SET OF PLANS. THESE MUST ALWAYS BE USED AS A COMPLETE SET, DO NOT DISTRIBUTE SEPARATE SHEETS. IF CONTRACTOR DOES NOT DISTRIBUTE FULL SET, CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR COORDINATION. ANY ADDENDUM OR BULLETIN DOCUMENTATION SHALL BE DISTRIBUTED TO ALL TRADES WITHIN 2 DAYS OF THE ACCEPTANCE OF THOSE PLANS. ANY PLANS IN FIELD NOT CURRENT WILL BE TAKEN BY THE ARCHITECT.
17. SUBMIT PENCIL COPY OF PAYMENT APPLICATION, OUTLINING ALL COMPLETED WORK AND RETAINAGE IN EACH SCHEDULED VALUE. UPON APPROVAL, PROVIDE FINAL COPY OF PAYMENT APPLICATION. PROVIDE PARTIAL AND FULL WAIVERS OF LIEN FROM ALL SCHEDULED TRADES WITH EACH PAYMENT APPLICATION. INCOMPLETE PENCIL COPIES AND PAYMENT APPLICATIONS WILL BE RETURNED WITHOUT ACTION.
18. REFER TO BASE BUILDING ARCHITECTURAL DRAWINGS, FOR BASE BUILDING ELECTRICAL, HVAC, SPRINKLER, MECHANICAL, AND PLUMBING INFORMATION.
19. GENERAL CONTRACTOR COORDINATE ALL TRADE QUESTIONS THROUGH ARCHITECT. ARCHITECT WILL NOT ENTERTAIN DIRECT QUESTIONS FROM TRADES. UNLESS NOTED OTHERWISE, NO DIRECT COMMUNICATION SHALL BE MADE FROM TRADE TO OWNER/TENANT.

Seal:
REGISTERED ARCHITECT
WAN C. LEUNG
035394
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275 MADISON AVENUE, SUITE 1200 NEW YORK, NY 10016
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Revision	Date	Description

DATE: 08/07/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME:	NAME:
SIGNATURE:	SIGNATURE:
TITLE:	TITLE:

IN CHARGE OF: WAN LEUNG
CHECKED BY: GORHAM HOM
MADE BY: ERIC KLINGLER

RECOMMENDED FOR DESIGN	RECOMMENDED FOR CONSTRUCTION	RECOMMENDED FOR CONSTRUCTION	APPROVED FOR CONSTRUCTION
9/9/26	9/9/26	9.16.2026	9/16/26
JEFFERY A. DEAN, P.E.	APRIL L. GASPARRI	GAYLE M. KATZMAN, P.E.	HUGH J. GREECHAN, JR., P.E.
ASSOCIATE ENGINEER	DIRECTOR OF AVIATION	FIRST DEPUTY COMMISSIONER	COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	WESTCHESTER COUNTY AIRPORT	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND
VILLAGE OF RYE BROOK, NEW YORK
TITLE SHEET

CONTRACT NUMBER: 25-532
SHEET NUMBER: G-000
SHEET 1 of 162
SCALE: AS SHOWN
DATE: 08/07/2026
DPW FILE NO. 48-08-T-373-0
REV NO. 0

GENERAL DRAWING LIST

DRAWING NO.	DRAWING NAME	DPW	100% CONST. DOCS. BID AND FILING ISSUANCE 06/26/2026	
000 - GENERAL				
G-000	TITLE SHEET	48-08-T-373-0	●	●
G-001	DRAWING LIST	48-08-G-374-0	●	●
G-002	GENERAL NOTES	48-08-G-375-0	●	●
G-003	MOUNTING HEIGHTS AND STANDARDS	48-08-G-376-0	●	●
G-004	FEMA MAP	48-08-G-377-0	●	●
G-005	CODE REVIEW	48-08-G-378-0	●	●
G-010	ARCHITECTURAL SITE IMPROVEMENT PLAN	48-08-G-379-0	●	●
G-101	1ST FLOOR LIFE SAFETY PLAN	48-08-G-380-0	●	●
G-102	2ND FLOOR LIFE SAFETY PLAN	48-08-G-381-0	●	●
G-103	PLUMBING FIXTURE ANALYSIS	48-08-G-382-0	●	●

STRUCTURAL DRAWINGS

S-000	COVER SHEET	48-08-S-383-0	●	●
SD-101	1ST FLOOR – STRUCTURAL DEMOLITION PLAN	48-08-S-398-0	●	●
S-001	STRUCTURAL NOTES	48-08-S-384-0	●	●
S-002	STRUCTURAL NOTES	48-08-S-385-0	●	●
S-003	STRUCTURAL NOTES: NOT USED			
S-101	1ST FLOOR - STRUCTURAL PLAN	48-08-S-386-0	●	●
S-102	2ND FLOOR STRUCTURAL PLAN	48-08-S-387-0	●	●
S-104	ROOF STRUCTURAL PLAN	48-08-S-388-0	●	●
S-300	SECTIONS AND DETAILS	48-08-S-389-0	●	●
S-301	SECTIONS AND DETAILS	48-08-S-390-0	●	●
S-302	SECTIONS AND DETAILS	48-08-S-391-0	●	●
S-400	TYPICAL DETAILS	48-08-S-392-0	●	●
S-401	TYPICAL DETAILS	48-08-S-393-0	●	●
S-500	SECTIONS AND DETAILS	48-08-S-394-0	●	●
S-501	SECTIONS AND DETAILS	48-08-S-395-0	●	●
S-502	SECTIONS AND DETAILS	48-08-S-396-0	●	●
S-503	SECTIONS AND DETAILS	48-08-S-397-0	●	●

FACADE RESTORATION DRAWINGS

FR-001	GENERAL NOTES	48-08-FR-399-0	●	●
FR-002	FACADE RESTORATION DESIGN CRITERIA	48-08-FR-400-0	●	●
FR-200	FACADE ASSESSMENT BUILDING ELEVATIONS	48-08-FR-401-0	●	●
FR-201	FACADE ASSESSMENT BUILDING ELEVATIONS	48-08-FR-402-0	●	●
FR-202	FACADE WALL SECTIONS	48-08-FR-403-0	●	●
FR-300	SECTIONS AND DETAILS	48-08-FR-404-0	●	●
FR-500	FACADE WALL SECTIONS AND DETAILS	48-08-FR-405-0	●	●
FR-501	FACADE WALL SECTIONS AND DETAILS	48-08-FR-406-0	●	●
FR-502	SECTIONS AND DETAILS	48-08-FR-407-0	●	●
FR-503	SECTIONS AND DETAILS	48-08-FR-408-0	●	●
FR-504	FACADE WALL SECTIONS AND DETAILS	48-08-FR-409-0	●	●

ARCHITECTURAL DRAWING LIST -

010 - DEMOLITION				
AD-101	1ST FLOOR - DEMOLITION PLAN	48-08-A-410-0	●	●
AD-102	2ND FLOOR/LOWER ROOF - DEMOLITION PLAN	48-08-A-411-0	●	●
AD-103	UPPER ROOF - DEMOLITION PLAN	48-08-A-412-0	●	●
AD-110	EXTERIOR DEMO ELEVATIONS	48-08-A-413-0	●	●
AD-111	EXTERIOR DEMO ELEVATIONS	48-08-A-414-0	●	●
AD-130	DEMOLITION SECTION DETAILS	48-08-A-415-0	●	●
100 - CONSTRUCTION PLANS				
A-020	PARTITION TYPES	48-08-A-416-0	●	●
A-021	PARTITION TYPES - CONT.	48-08-A-417-0	●	●
A-101	1ST FLOOR - ARCHITECTURAL PLAN	48-08-A-418-0	●	●
A-102	2ND FLOOR - ARCHITECTURAL PLAN	48-08-A-419-0	●	●
A-103	ROOF - ARCHITECTURAL PLAN	48-08-A-420-0	●	●
A-110	EXTERIOR ELEVATIONS	48-08-A-421-0	●	●
A-111	EXTERIOR ELEVATIONS	48-08-A-422-0	●	●
A-120	BUILDING SECTIONS	48-08-A-423-0	●	●
A-121	WALL SECTIONS	48-08-A-424-0	●	●
A-122	WALL SECTIONS	48-08-A-425-0	●	●
A-123	EXTERIOR STAIRS & RAMPS ENLARGED PLANS AND ELEVATIONS	48-08-A-426-0	●	●
A-130	EXTERIOR DETAILS	48-08-A-427-0	●	●
A-131	ROOF DETAILS	48-08-A-428-0	●	●
200 - REFLECTED CEILING PLANS				
A-201	1ST FLOOR - REFLECTED CEILING PLAN	48-08-A-429-0	●	●
A-202	2ND FLOOR - REFLECTED CEILING PLAN	48-08-A-430-0	●	●
500 - FINISH EXTENT PLANS				
A-500	FINISH SCHEDULE	48-08-A-431-0	●	●
A-501	1ST FLOOR - FINISH EXTENT PLAN	48-08-A-432-0	●	●
A-502	2ND FLOOR - FINISH EXTENT PLAN	48-08-A-433-0	●	●
600 - FURNITURE PLANS				
A-601	1ST FLOOR - FURNITURE PLAN	48-08-A-434-0	●	●
A-602	2ND FLOOR - FURNITURE PLAN	48-08-A-435-0	●	●
700 - ENLARGED DETAILS				
A-700	ENLARGED PLANS & INTERIOR ELEVATIONS	48-08-A-436-0	●	●
A-701	ENLARGED PLANS & INTERIOR ELEVATIONS	48-08-A-437-0	●	●
A-702	INTERIOR ELEVATIONS	48-08-A-438-0	●	●
A-703	INTERIOR ELEVATIONS	48-08-A-439-0	●	●
800 - DETAILS				
A-800	ARCHITECTURAL DETAILS	48-08-A-440-0	●	●
A-801	MILLWORK DETAILS	48-08-A-441-0	●	●
A-803	CEILING DETAILS	48-08-A-442-0	●	●
A-804	FINISH DETAILS	48-08-A-443-0	●	●
900 - DOORS				
A-900	DOOR TYPES & SCHEDULES	48-08-A-444-0	●	●
A-901	FENESTRATION TYPES & DETAILS	48-08-A-445-0	●	●
A-902	DOOR DETAILS	48-08-A-446-0	●	●
A-903	DOOR DETAILS - SILL	48-08-A-447-0	●	●

MEP DRAWING LIST

DRAWING NO.	DRAWING NAME	DPW	Drawing Issue - 5. BID AND FILING ISSUANCE 06/26/2026	
940 FIRE PROTECTION				
FP-001.00	FIRE PROTECTION LEGEND & ABBREVIATIONS	48-08-FP-448-0	●	●
FP-002.00	FIRE PROTECTION GENERAL NOTES	48-08-FP-449-0	●	●
FP-100.00	FIRE PROTECTION 1ST FLOOR DEMOLITION PLAN	48-08-FP-450-0	●	●
FP-101.00	FIRE PROTECTION 2ND FLOOR DEMOLITION PLAN	48-08-FP-451-0	●	●
FP-200.00	FIRE PROTECTION 1ST FLOOR PLAN	48-08-FP-452-0	●	●
FP-201.00	FIRE PROTECTION 2ND FLOOR PLAN	48-08-FP-453-0	●	●
FP-202.02	FIRE PROTECTION ROOF FLOOR PLAN	48-08-FP-454-0		
FP-400.00	FIRE PROTECTION DETAILS #1	48-08-FP-455-0	●	●
FP-401.00	FIRE PROTECTION DETAILS #2	48-08-FP-456-0		
930 PLUMBING				
P-001.00	PLUMBING LEGEND AND ABBREVIATIONS	48-08-P-457-0	●	●
P-100.00	PLUMBING FIRST FLOOR DEMOLITION PLAN	48-08-P-458-0	●	●
P-101.00	PLUMBING SECOND FLOOR DEMOLITION PLAN	48-08-P-459-0	●	●
P-200.00	PLUMBING UNDERGROUND FLOOR PLAN	48-08-P-460-0		
P-201.00	PLUMBING FIRST FLOOR PLAN	48-08-P-461-0	●	●
P-202.00	PLUMBING SECOND FLOOR PLAN	48-08-P-462-0	●	●
P-203.00	PLUMBING ROOF PLAN	48-08-P-463-0	●	●
P-300.00	PLUMBING RISER DIAGRAMS	48-08-P-464-0		
P-400.00	PLUMBING DETAILS SHEET 1	48-08-P-465-0	●	●
P-401.00	PLUMBING DETAILS SHEET 2	48-08-P-466-0	●	●
P-500.00	PLUMBING SCHEDULES	48-08-P-467-0	●	●
910 MECHANICAL				
M-001.00	MECHANICAL LEGEND AND ABBREVIATIONS	48-08-M-468-0	●	●
M-100.00	MECHANICAL FIRST FLOOR DEMOLITION PLAN	48-08-M-469-0	●	●
M-101.00	MECHANICAL FIRST FLOOR DEMOLITION PLAN	48-08-M-470-0	●	●
M-102.00	MECHANICAL ROOF DEMOLITION PLAN	48-08-M-471-0	●	●
M-200.00	MECHANICAL FIRST FLOOR PLAN	48-08-M-472-0	●	●
M-200A.00	MECHANICAL FIRST FLOOR PART PLAN	48-08-M-473-0	●	●
M-201.00	MECHANICAL SECOND FLOOR PLAN	48-08-M-474-0	●	●
M-202.00	MECHANICAL LOWER ROOF PLAN	48-08-M-475-0	●	●
M-203.00	MECHANICAL UPPER ROOF PLAN	48-08-M-476-0		●
M-300.00	MECHANICAL PIPING FIRST FLOOR PLAN	48-08-M-477-0	●	●
M-301.00	MECHANICAL PIPING SECOND FLOOR PLAN	48-08-M-478-0	●	●
M-601.00	MECHANICAL SCHEDULES	48-08-M-479-0	●	●
M-602.00	MECHANICAL SCHEDULES #2	48-08-M-480-0	●	●
M-701.00	MECHANICAL DETAILS SHEET #1	48-08-M-481-0	●	●
M-702.00	MECHANICAL DETAILS SHEET #2	48-08-M-482-0	●	●
M-703.00	MECHANICAL DETAILS SHEET #3	48-08-M-483-0	●	●
M-704.00	MECHANICAL DETAILS SHEET #4	48-08-M-484-0	●	●
M-801.00	MECHANICAL CONTRL DIAGRAMS #1	48-08-M-485-0	●	●
M-802.00	MECHANICAL CONTRL DIAGRAMS #2	48-08-M-486-0	●	●
920 ELECTRICAL				
E-001	ELECTRICAL LEGEND & ABBREVIATIONS	48-08-E-487-0	●	●
E-002	ELECTRICAL GENERAL NOTES	48-08-E-488-0	●	●
E-100	ELECTRICAL 1ST FLOOR DEMOLITION PLAN	48-08-E-489-0	●	●
E-101	ELECTRICAL 2ND FLOOR DEMOLITION PLAN	48-08-E-490-0	●	●
E-102	ELECTRICAL ROOF DEMOLITION PLAN	48-08-E-491-0	●	●
E-200	ELECTRICAL 1ST FLOOR POWER PLAN	48-08-E-492-0	●	●
E-201	ELECTRICAL 2ND FLOOR POWER PLAN	48-08-E-493-0	●	●
E-202	ELECTRICAL ROOF POWER PLAN	48-08-E-494-0	●	●
E-300	ELECTRICAL 1ST FLOOR LIGHTING PLAN	48-08-E-495-0	●	●
E-301	ELECTRICAL 2ND FLOOR LIGHTING PLAN	48-08-E-496-0	●	●
E-302	ELECTRICAL ROOF LIGHTING PLAN	48-08-E-497-0	●	●
E-400	ELECTRICAL PART PLANS	48-08-E-498-0	●	●
E-501	ELECTRICAL RISER DIAGRAM	48-08-E-499-0	●	●
E-600	ELECTRICAL LIGHTING FIXTURE SCHEDULE	48-08-E-500-0	●	●
E-601	ELECTRICAL SCHEDULE SHEET #1	48-08-E-501-0	●	●
E-602	ELECTRICAL SCHEDULE SHEET #2	48-08-E-502-0	●	●
E-603	ELECTRICAL SCHEDULE SHEET #3	48-08-E-503-0	●	●
E-700	ELECTRICAL DETAILS SHEET #1	48-08-E-504-0	●	●
E-701	ELECTRICAL DETAILS SHEET #2	48-08-E-505-0	●	●
E-702	ELECTRICAL DETAILS SHEET #3	48-08-E-506-0	●	●
E-703	ELECTRICAL LIGHTING CONTROL DETAILS SHEET #1	48-08-E-507-0	●	●
E-704	ELECTRICAL LIGHTING CONTROL DETAILS SHEET #2	48-08-E-508-0	●	●
E-705	ELECTRICAL LIGHTING CONTROL DETAILS SHEET #3	48-08-E-509-0		●
E-800	ELECTRICAL ROOF LIGHTNING PROTECTION PLAN	48-08-E-510-0	●	●
E-801	ELECTRICAL LIGHTNING PROTECTION DETAILS SHEET #1	48-08-E-511-0	●	●
E-802	ELECTRICAL LIGHTNING PROTECTION DETAILS SHEET #2	48-08-E-512-0	●	●
E-900	ELECTRICAL ROOF PHOTOVOLTAIC PLAN	48-08-E-513-0	●	●
E-901	ELECTRICAL PHOTOVOLTAIC RISER DIAGRAM	48-08-E-514-0	●	●
945 - FIRE ALARM				
FA-001	FIRE ALARM LEGEND & ABBREVIATIONS	48-08-FA-516-0	●	●
FA-002	FIRE ALARM MATRIX	48-08-FA-517-0	●	●
FA-200	FIRE ALARM 1ST FLOOR PLAN	48-08-FA-518-0	●	●
FA-201	FIRE ALARM 2ND FLOOR PLAN	48-08-FA-519-0	●	●
FA-202	FIRE ALARM ROOF PLAN	48-08-FA-520-0	●	●
FA-500	FIRE ALARM RISER DIAGRAM	48-08-FA-521-0	●	●
FA-700	FIRE ALARM DETAILS	48-08-FA-522-0	●	●

TECHNOLOGY DRAWING LIST

T-001.00	TECHNOLOGY LEGEND & ABBREVIATIONS	48-08-T-523-0	●	●
T-200.00	TECHNOLOGY 1ST FLOOR PLAN	48-08-T-524-0	●	●
T-201.00	TECHNOLOGY 2ND FLOOR PLAN	48-08-T-525-0	●	●
T-202.00	TECHNOLOGY UPPER ROOF PLAN	48-08-T-526-0	●	●
T-202A.00	TECHNOLOGY LOWER ROOF PLAN	48-08-T-527-0	●	●
T-450.00	TECHNOLOGY ENLARGED PLANS	48-08-T-528-0	●	●
T-550.00	TECHNOLOGY DIAGRAMS	48-08-T-529-0	●	●
T-551.00	TECHNOLOGY DIAGRAMS	48-08-T-530-0	●	●
T-552.00	TECHNOLOGY DIAGRAMS	48-08-T-531-0	●	●
T-553.00	TECHNOLOGY DIAGRAMS	48-08-T-532-0	●	●
T-554.00	TECHNOLOGY DISPLAY ELEVATIONS	48-08-T-533-0	●	●
T-700.00	TECHNOLOGY DETAILS	48-08-T-534-0	●	●
T-701.00	TECHNOLOGY DETAILS	48-08-T-535-0	●	●

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Revision	Date	Description

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DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

DRAWING LIST

CONTRACT NUMBER: 25-532
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SHEET 2 of 162
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GENERAL NOTES

1. THE TERM CONTRACTOR IS USED IN THESE NOTES TO IDENTIFY ALL PARTIES CONTRACTED BY THE OWNER AND WHO CAUSES THE WORK OF THE CONTRACT TO BE PERFORMED EITHER BY THEIR OWN FORCES OR BY OTHER CONTRACTORS RETAINED ON THEIR BEHALF.
2. PERFORM ALL WORK IN ACCORDANCE WITH LOCAL LAWS AND ORDINANCES HAVING JURISDICTION. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND APPROVALS AS REQUIRED BY LAW FOR THE COMPLETION OF THE WORK AND ISSUANCE OF A FULL CERTIFICATE OF OCCUPANCY.
3. COMPLY WITH ALL REGULATIONS AND LAWS OF AUTHORITIES HAVING JURISDICTION. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.
4. ALL PARTS OF THE WORK (INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC.) MUST COMPLY WITH THE MINIMUM REQUIREMENTS OF THE GOVERNING REGULATIONS OF ALL FEDERAL, STATE, DISTRICT, AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS SHALL BE INTERPRETED AS APPROVAL OF WORK PRIOR TO AHJ APPROVAL.
5. WHERE THE CONTRACT NOTES OR DRAWINGS CALL FOR ANY WORK OF A MORE STRINGENT NATURE THAN REQUIRED BY BUILDING CODE OR OTHER AGENCY HAVING JURISDICTION OVER THE WORK, THE WORK OF THE MORE STRINGENT NATURE CALL FOR BY THE CONTRACT, CONSTRUCTION NOTES OR DRAWINGS SHALL BE FURNISHED IN ALL CASES.
6. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS WHICH INCLUDE THE OWNER / CONTRACTOR AGREEMENT, THE PROJECT MANUAL WHICH CONTAINS THE GENERAL AND SUPPLEMENTARY CONDITIONS AND THE SPECIFICATIONS. THE DRAWINGS AND ALL ADDENDA AND MODIFICATIONS ISSUED BY THE ARCHITECT.
7. REVIEW ALL DOCUMENTS AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS. CONFIRM THAT WORK IS BUILDABLE AS SHOWN. ANY CONFLICTS OR OMISSIONS, ETC., SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF ANY WORK IN QUESTION.
8. BID DOCUMENTS ARE INTENTIONALLY ABBREVIATED IN CONTENT. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CONTRACT DOCUMENTS AND VISITING THE SITE TO GATHER INFORMATION, DETAILS, AND/OR DIMENSIONS PERTAINING TO EXISTING CONDITIONS.
9. BEFORE SUBMITTING A PROPOSAL ALL CONTRACTORS SHALL VISIT THE PREMISES, FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE SUBMISSION OF A BID PROPOSAL BY THE CONTRACTOR WILL BE CONSTRUED AS EVIDENCE THAT A CAREFUL AND THOROUGH EXAMINATION OF THE SITE HAS BEEN MADE AND LATER CLAIMS FOR LABOR, MATERIALS OR EQUIPMENT REQUIRED OR FOR DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED. IT SHALL ALSO CONSTITUTE A REPRESENTATION THAT THE CONTRACTOR HAS CHECKED AND VERIFIED ALL QUANTITIES, WORK AND MATERIALS INVOLVED AND THAT HE SHALL TAKE RESPONSIBILITY FOR ANY DEFICIENCIES THEREIN.
10. PRIOR TO BID SUBMITTAL THE CONTRACTOR SHALL IDENTIFY IN WRITING ANY AND ALL DISCREPANCIES AND/OR OMISSIONS OF MATERIALS REQUIRED FOR A COMPLETE JOB NO CHANGE ORDERS WILL BE ALLOWED FOR OBVIOUS DISCREPANCIES NOT IDENTIFIED IN WRITING.
11. THE CONTRACTOR SHALL OBTAIN ALL INSPECTIONS AND COMPLY WITH ALL CODES. LAWS, ORDINANCES, RULES AND REGULATIONS OF ALL PUBLIC AUTHORITIES (FEDERAL, STATE, OR LOCAL) GOVERNING THE WORK. THE MOST STRINGENT SHALL APPLY.
12. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, EACH TRADE SHALL VERIFY ALL MEASUREMENTS IN THE FIELD AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION AND CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
13. PROVIDE ALL SPECIFIED MATERIALS IN SUCH A MANNER AS TO ENSURE A COMPLETE AND FINISHED SYSTEM WITHOUT REQUIREMENT FOR ADDITIONAL PARTS, MATERIALS AND LABOR TO COMPLETE.
14. THE WORK TO BE PERFORMED CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, FEES, MATERIALS, AND SERVICES IN ACCORDANCE WITH THESE NOTES AND DRAWINGS AND PERFORMING ALL OPERATIONS NECESSARY TO CONSTRUCT AND INSTALL COMPLETE AND IN SATISFACTORY CONDITION THE VARIOUS MATERIALS AND EQUIPMENT AT THE LOCATIONS SHOWN. IT IS INTENDED THAT THE DRAWINGS INCLUDE EVERYTHING REQUISITE AND NECESSARY TO FINISH THE ENTIRE WORK PROPERLY, NOTWITHSTANDING THE FACT THAT EVERY ITEM NECESSARILY INVOLVED MAY NOT BE SPECIFICALLY MENTIONED OR SHOWN. ANY ITEM WHICH MAY BE REASONABLY CONSTRUED AS INCIDENTAL TO THE PROPER AND SATISFACTORY COMPLETION OF THE WORK, IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS, IS HEREBY INCLUDED.
15. THE CONTRACTOR SHALL ABIDE BY AND COMPLY WITH THE TRUE INTENT AND MEANING OF THE DRAWINGS AND NOTES TAKEN AS A WHOLE AND SHALL NOT AVAIL HIMSELF OF ANY OBVIOUS ERRORS OR OMISSIONS, SHOULD ANY EXIST. SHOULD ANY ERROR OR DISCREPANCY APPEAR OR ANY DOUBT ARISE AS TO THE TRUE MEANING OF THE DRAWINGS OR NOTES, THE CONTRACTOR SHALL BRING SUCH ITEMS TO THE ATTENTION OF THE ARCHITECT BEFORE SUBMISSION OF PROPOSAL FOR EXPLANATION OR CORRECTION OF SAME. AFTER THE SUBMISSION OF PROPOSAL, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL SUCH ITEMS.
16. THE CONTRACTOR SHALL KEEP THE ARCHITECT INFORMED OF THE PROGRESS OF HIS WORK. NO WORK SHALL BE CLOSED OR COVERED UNTIL IT HAS BEEN DULY INSPECTED AND APPROVED. SHOULD UNINSPECTED WORK BE COVERED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, UNCOVER ALL SUCH WORK SO THAT IT CAN BE PROPERLY INSPECTED AND AFTER SUCH INSPECTION, HE SHALL PROPERLY REPAIR AND REPLACE ALL WORK INTERFERED WITH AT HIS OWN COST.
17. CONTRACTOR SHALL NOTIFY THE OWNER AND/OR BUILDING MANAGER IMMEDIATELY OF ALL UTILITIES DETERMINED IN COURSE OF CONSTRUCTION AS BEING NECESSARY TO BE TEMPORARILY SHUT OFF, MODIFIED AND/OR REMOVED WHICH HAVE NOT OTHERWISE BEEN NOTED FOR IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL REMOVE SUCH UTILITIES ONLY AFTER CONSULTATION WITH ARCHITECT, CLIENT AND BUILDING MANAGEMENT. WHETHER PRE-DETERMINED IN THE CONSTRUCTION DOCUMENTS OR DETERMINED LATER IN FIELD, DISCONNECT, CUT BACK TO SOURCE, AND CAP ALL UTILITY SERVICES REMOVED. SEAL ALL PENETRATIONS CREATED BY REMOVAL OF UTILITIES TO MATCH ADJACENT CONSTRUCTION AND FINISHES.
18. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS. FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT THE WORK IS BUILDABLE AS SHOWN ON DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION.
19. ALL OF THE ARCHITECT'S DRAWINGS, SPECIFICATIONS AND CONSTRUCTION NOTES ARE COMPLIMENTARY AND WHAT IS CALLED FOR BY EITHER WILL BE BINDING AS IF CALLED FOR BY ALL. ANY WORK SHOWN OR REFERRED TO ON ANY ONE DRAWING SHALL BE PROVIDED AS THOUGH SHOWN ON ALL DRAWINGS. WHENEVER AN ITEM IS SPECIFIED AND/OR SHOWN ON THE DRAWINGS BY DETAIL OR REFERENCE IT SHALL BE CONSIDERED TYPICAL FOR OTHER ITEMS WHICH ARE OBVIOUSLY INTENDED TO BE THE SAME EVEN THOUGH NOT SO DESIGNATED OR SPECIFICALLY NAMED BUT DO SERVE THE SAME FUNCTION.
20. THE ARCHITECTURAL DRAWINGS ARE A COMPREHENSIVE, COMPLEMENTARY SET OF DOCUMENTS WHICH, WHEN COMPLETE, CONSISTS OF ALL DRAWINGS LISTED BY THE INDEX OF DRAWINGS. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE CONTRACTOR. PART OF THE CONTRACTOR'S RESPONSIBILITY IS TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS. THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT. G.C TO PROVIDE FINAL ARCHITECTURAL AND ENGINEERING DRAWINGS AND FILES TO THE OWNER AND BUILDING MANAGEMENT.
21. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK. EXCEPTION: DIMENSIONED LOCATIONS SHOWN ON DRAWINGS OF OTHER DISCIPLINES SHALL GOVERN ONLY WHERE:

    A. SPECIFICALLY AND INDIVIDUALLY INDICATED BY SYMBOL KEYED NOTE OR NOTATION ON THE ARCHITECTURAL DRAWINGS.

    B. OCCURRING WITHIN A ROOM OR OTHER IDENTIFIED SPACE FOR WHICH AN ARCHITECTURAL SHEET OR SCHEDULE NOTES INDICATE THAT DIMENSIONS PROVIDED ELSEWHERE SHALL GOVERN.
22. THE SCOPE OF THE WORK IS ILLUSTRATED BY THESE CONTRACT DOCUMENTS. ANY ADDITIONAL INTERPRETATION AND EXPLANATION OF THE DOCUMENTS, AS WELL AS OTHER INFORMATION DEEMED NECESSARY BY THE ARCHITECT, WILL BE FURNISHED TO THE CONTRACTOR WHEN AND AS REQUIRED BY THE CONTRACTOR. IT IS UNDERSTOOD THAT SAID ADDITIONAL INFORMATION OR DOCUMENTS ARE TO BE OF EQUAL FORCE WITH THESE CONTRACT DOCUMENTS
23. FULL SIZE OR LARGE SCALE DETAILS OR DRAWINGS SHALL GOVERN SMALL SCALE DRAWINGS WHICH THEY ARE INTENDED TO AMPLIFY. DETAILS OR CONDITIONS INDICATED FOR A PORTION OF THE WORK BUT NOT CARRIED OUT FULLY FOR OTHER PORTIONS SHALL APPLY THROUGHOUT TO ALL SIMILAR PORTIONS EXCEPT AS OTHERWISE SPECIFICALLY NOTED. IN EVERY CASE THE GREATER QUANTITY, OR A MORE EXPENSIVE ITEM OR METHOD SHALL BE ASSUMED OVER A LESSER QUANTITY OR A LESS EXPENSIVE ONE AND DIMENSIONS SHALL BE FIGURED RATHER THAN DETERMINED BY RULE OR SCALE.
24. THE PROJECT HAS BEEN DESIGNED AND DETAILED FOR THE SPECIFIC MATERIALS AND EQUIPMENT SPECIFIED. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ARCHITECT. IF THE SPECIFIED MATERIAL IS NOT AVAILABLE, THE CONTRACTOR SHALL PROPOSE AN ALTERNATE MATERIAL AND SHALL PROVIDE DRAWINGS, SAMPLES, SPECIFICATIONS, MANUFACTURER'S LITERATURE, PERFORMANCE DATE, ETC. IN ORDER THAT THE ARCHITECT CAN EVALUATE THE PROPOSED SUBSTITUTION. IF THE SUBSTITUTION AFFECTS A CORRELATED FUNCTION, ADJACENT CONSTRUCTION, OR THE WORK OF ANY OTHER CONTRACTOR OR TRADE, THE NECESSARY CHANGES AND MODIFICATIONS TO THE AFFECTED WORK SHALL BE SUBMITTED WITH THE SUBSTITUTION AND ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. NO REQUESTS FOR SUBSTITUTES WILL BE ENTERTAINED BY THE ARCHITECT DUE TO CONTRACTOR'S FAILURE TO ORDER MATERIALS IN A TIMELY MANNER. SUBSTITUTIONS, REVISIONS OR CHANGES MUST BE SUBMITTED TO ARCHITECT FOR REVIEW (IN CONFORMANCE WITH SPECIFIED PROCEDURES) AND APPROVED PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.
25. THE STANDARD SPECIFICATIONS OF THE MANUFACTURERS APPROVED FOR USE IN THE PROJECT ARE HEREBY MADE A PART OF THESE NOTES WITH THE SAME FORCE AND EFFECT AS THOUGH HEREIN WRITTEN OUT IN FULL, EXCEPT THAT WHEREVER THE DRAWINGS REQUIRE HEAVIER MEMBERS, BETTER QUALITY MATERIALS OR ARE OTHERWISE MORE STRINGENT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
26. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF HE CANNOT FOR ANY REASON COMPLY WITH ALL THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
27. THE CONTRACTOR SHALL COORDINATE AND SUPERVISE THE WORK OF ALL SUB-CONTRACTORS. HE SHALL BE RESPONSIBLE FOR GIVING ALL TRADES SUCH INFORMATION, PLANS OR DETAILS AS MAY BE REQUIRED FOR THE PROPER INSTALLATION AND COMPLETION OF THEIR WORK.

GENERAL NOTES

28. THE CONTRACTOR SHALL SUBMIT ALL FABRICATION SHOP DRAWINGS, SAMPLES, AND FIXTURE CUTS FOR THE ARCHITECT'S REVIEW AS REQUIRED AND/OR INDICATED ON DRAWINGS. THE ARCHITECT'S REVIEW SHALL NOT BE CONSTRUED AS AN INDICATION THAT SUBMITTAL IS CORRECT OR SUITABLE NOR THAT WORK REPRESENTED BY SUBMITTAL COMPLIES WITH THE DRAWINGS, EXCEPT AS TO MATTERS OF FINISH, COLOR, AND OTHER AESTHETIC MATTERS. ACTION NOTED ABOVE DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO COORDINATE ALL TRADES AND TO CHECK QUANTITIES AND DIMENSIONS AGAINST CONDITIONS IN THE FIELD. CONTRACTORS AND ENGINEERS SHALL ASSUME RESPONSIBILITY FOR ALL ERRORS ON THEIR DRAWINGS.
29. ALL MATERIALS REQUIRED FOR THE PERFORMANCE OF THIS CONTRACT SHALL BE NEW AND OF THE BEST QUALITY OF KINDS SPECIFIED, ALL SUBJECT TO THE APPROVAL OF THE ARCHITECT. THE USE OF OLD OR SECOND-HAND MATERIALS IS STRICTLY FORBIDDEN. THE CONTRACTOR SHALL, IF REQUIRED, FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND WORKMANSHIP. MATERIALS SHALL BE USED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. UPON REQUEST, THE MANUFACTURER'S REPRESENTATIVE SHALL GO TO THE SITE AND INSTRUCT THE MECHANICS IN THE USE OF THE MATERIALS OR SHALL SUPERVISE THEIR USE.
30. FOR THE EXECUTION OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT AND FOR THE MANUFACTURE OR TRANSPORTATION OF ANY OF THE MATERIALS OR EQUIPMENT TO BE USED OR INSTALLED, THE CONTRACTOR SHALL EMPLOY ONLY SUCH LABOR THROUGHOUT AS WILL NOT INTERFERE WITH THE SPEEDY AND UNINTERRUPTED COMPLETION OF THE PROJECT. ALL WORK SHALL BE DONE BY MECHANICS SKILLED IN THEIR TRADE AND SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST TRADE PRACTICES.
31. ANY MATERIALS DELIVERED OR WORK PERFORMED, CONTRARY TO THE DRAWINGS AND SPECIFICATIONS AND APPROVED SHOP DRAWINGS, SHALL BE REMOVED BY THE CONTRACTOR AT THIS OWN EXPENSE, AND THE SAME SHALL BE REPLACED WITH OTHER MATERIALS OR WORK SATISFACTORY TO THE ARCHITECT. THE CONTRACTOR SHALL ALSO ASSUME THE COST OF REPLACING THE WORK WHICH MAY BE DISTURBED.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY AND ACCURATELY LAYING OUT THE WORK AND FOR THE LINES AND MEASUREMENTS HEREIN. THEY SHALL ESTABLISH NECESSARY REFERENCE LINES AND PERMANENT BENCH MARKS FROM WHICH BUILDING LINES AND ELEVATIONS SHALL BE TAKEN. ELEVATION HEIGHTS OF ALL WORK INCLUDING BUT NOT LIMITED TO SOFFITS, CEILINGS, DOORS, HOLLOW METAL SHALL BE TRUE AND LEVEL WITHIN A MAXIMUM TOLERANCE OF 1/8" OVERALL THE ENTIRE PROJECT.
33. PROTECT OWNER'S PROPERTY, EQUIPMENT AND EMPLOYEES FROM INJURY AND DAMAGE.
34. ALL HVAC, PLUMBING, SPRINKLER AND ELECTRICAL LINES WILL BE COORDINATED SO THAT NO CONFLICTS OCCUR. ANY CONFLICTS WHICH RESULT IN A RELOCATION OF A FINISHED SURFACE MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO INSTALLATION.
35. CONTRACTOR SHALL CONSULT WITH ELECTRICAL AND PLUMBING SUB-CONTRACTORS FOR LOCATIONS OF CONDUIT AND PIPES IN FOUNDATION, SLABS ON GRADE, AND EXTERIOR WALLS AND SHALL INSTALL WATERTIGHT PIPE SLEEVES AT THEIR RESPECTIVE LOCATIONS
36. THE PREMISES AND THE JOB SITE SHALL BE MAINTAINED IN A REASONABLY NEAT AND ORDERLY CONDITION AND KEPT FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH DURING THE ENTIRE CONSTRUCTION PERIOD. WORK INCLUDES, BUT IS NOT LIMITED TO:

    A. REMOVE CRATES, CARTONS AND OTHER FLAMMABLE WASTE MATERIALS OR TRASH FROM THE WORK AREAS AT THE END OF EACH WORKING DAY.

    B. ELECTRICAL CLOSETS, PIPE AND DUCT SHAFTS, CHASES, FURRED SPACES AND SIMILAR SPACES WHICH ARE GENERALLY UNFURNISHED SHALL BE CLEANED AND LEFT FREE FROM RUBBISH, LOOSE PLASTER, MORTAR DRIPPINGS, AND EXTRANEOUS CONSTRUCTION MATERIALS, DIRT AND DUST.

    C. CARE SHALL BE TAKEN BY WORKMEN NOT TO MARK, SOIL, OR OTHERWISE DEFACE FINISHED SURFACES. IN THE EVENT THAT FINISHED SURFACES BECOME DEFACED, CLEAN AND RESTORE SUCH SURFACES TO THEIR ORIGINAL CONDITION. IF THIS IS NOT POSSIBLE, DAMAGED SURFACES SHALL BE REPLACED.

    D. CLEAN UP IMMEDIATELY UPON COMPLETION OF EACH TRADE'S WORK.

    E. CLEAN AREAS OF THE BUILDING IN WHICH PAINTING AND FINISHING WORK IS TO BE PERFORMED JUST PRIOR TO THE START OF THIS WORK, AND MAINTAIN THESE AREAS IN SATISFACTORY CONDITION FOR PAINTING AND FINISHING.

    F. CLEANING INCLUDES THE REMOVAL OF TRASH AND RUBBISH FROM THESE AREAS, BROOM CLEANING OF FLOORS, THE REMOVAL OF ANY PLASTER, MORTAR, DUST AND OTHER EXTRANEOUS MATERIALS FROM FINISH SURFACES, INCLUDING BUT NOT LIMITED TO: MISCELLANEOUS METAL, WOODWORK, PLASTER, GYPSUM DRYWALL, MASONRY, CONCRETE, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, CONDUIT, AND SURFACES VISIBLE AFTER GRILLES, REGISTERS AND OTHER SUCH FIXTURE OR DEVICES ARE IN PLACE.

    G. IN ADDITION TO THE CLEANING SPECIFIED ABOVE AND THE MORE SPECIFIC CLEANING WHICH MAY BE REQUIRED IN VARIOUS SECTIONS OF THE SPECIFICATIONS OR MANUFACTURER'S INSTRUCTIONS, THE PREMISES SHALL BE PREPARED FOR OCCUPANCY BY:

    1. A THOROUGH CLEANING THROUGHOUT INCLUDING WASHING OR CLEANING BY OTHER APPROVED METHODS OF ALL FLOORS AND SURFACES ON WHICH DIRT OR DUST HAS COLLECTED AND BY WASHING GLASS, REMOVING ALL PAINT, PUTTY AND STAINS THEREFROM.

    2. PROVIDING AND MAINTAIN ADEQUATE RUNNER STRIPS OF NON-STAINING, REINFORCED KRAFT BUILDING PAPER ON FINISHED FLOORS AS REQUIRED FOR PROTECTION.

    3. LEAVING ALL FIXTURES AND EQUIPMENT IN AN UNDAMAGED, BRIGHT, CLEAN AND POLISHED CONDITION.

    4.CLEAN AND POLISH ALL HARDWARE, AND OTHER METAL WORK.

    5. ALL OTHER CLEANING AS REQUIRED T TURN THE BUILDING AND PREMISES OVER TO THE OWNER IN A SPOTLESS AND ORDERLY CONDITION.
37. REMOVE FROM SITE AND LEGALLY DISPOSE OF DAILY ALL REFUSE. DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. BURNING OF DEBRIS ON SITE SHALL NOT BE PERMITTED.
38. AS APPLICABLE THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE TENANT IMPROVEMENT STANDARDS FOR THE PROPERTY AND WORK IN ACCORDANCE WITH THOSE GUIDELINES.
39. WHENEVER POSSIBLE ALL WORK SHALL BE PERFORMED DURING REGULAR BUSINESS HOURS. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE OWNER AND BUILDING MANAGEMENT.
40. CONTRACTOR SHALL COORDINATE WITH THE OWNER OR BUILDING MANAGEMENT THE SCHEDULE FOR ALL TELEPHONE, DATA AND A/V INSTALLATIONS.
41. ANY ITEM NOT SHOWN ON THE CONTRACT DOCUMENTS BUT WHICH WILL BE VISIBLE WITHIN THE FINISHED INTERIOR SPACE SHALL NOT BE INSTALLED WITHOUT ARCHITECT AND OWNER'S APPROVAL.
42. BUILDING STANDARD MATERIALS REMOVED AND/OR UNUSED SHALL BE RETURNED TO BUILDING STOCK AS DIRECTED BY OWNER OR BUILDING MANAGEMENT.
43. ERECT AND MAINTAIN DUST-PROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST FUMES AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING ON COMPLETION REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.
44. PROVIDE TEMPORARY PARTITIONS TO SECURE WORK AREAS AND TO ALLOW CONTINUED AND PHASED BUILDING OCCUPANCY BY OWNER.
45. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES. PROVIDE TABLES AND SUFFICIENT LIGHTING TO REVIEW FULL SIZE DRAWINGS.
46. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN ALL PARTITION LOCATIONS, DIMENSIONS AND TYPES. ALL DOOR AND WINDOW LOCATIONS SHALL BE AS SHOWN ON CONSTRUCTION PLAN. IN CASE OF CONFLICT, NOTIFY ARCHITECT AND CONTRACTOR. IN CASE OF CONFLICT BETWEEN THE ARCHITECT'S AND ENGINEER'S DRAWINGS THE ARCHITECTURAL DRAWINGS SHALL GOVERN.
47. GRID LINES IDENTIFIED WITH A LETTER DESIGNATION ARE PARALLEL, UNLESS OTHERWISE NOTED. GRID LINES IDENTIFIED WITH A NUMBER DESIGNATION ARE PARALLEL AND ARE PERPENDICULAR TO THOSE WITH LETTER DESIGNATIONS, UNLESS OTHERWISE NOTED.
48. ALL WORK NOTED 'BY OTHERS' OR 'N.I.C.' SHALL BE PROVIDED BY OWNER OR UNDER SEPARATE CONTRACT. THE CONTRACTOR WILL INCLUDE SCHEDULE REQUIREMENTS FOR THIS 'OTHER' WORK IN THE CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE AS REQUIRED TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
49. "ALIGN" SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
50. "TYPICAL" OR "TYP" SHALL MEAN THAT THE CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED. DETAILS ARE USUALLY KEYED AND NOTED "TYP" ONLY ONCE, WHEN THEY FIRST OCCUR.
51. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLANS AND ELEVATIONS.
52. THE TERM "EXISTING", AS USED IN THESE DOCUMENTS, REFERS TO AND MEANS THE BASE BUILDING AS SHOWN ON THE BASE BUILDING DOCUMENTS.
53. THE USE OF THE WORDS "PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT WHICH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
54. ALL PARTITIONS AND ENCLOSURES ARE DIMENSIONED FROM THE FINISHED FACE OF THE PARTITION, UNLESS OTHERWISE NOTED, ALL DIMENSIONS MARKED 'CLEAR' SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESS OF ALL FINISHES. ALL PARTITION THICKNESS SHOWN ARE NOMINAL DIMENSIONS, U.N.O.
55. ALL NEW AND EXISTING PARTITIONS AND ENCLOSURES SHALL MATCH THE FINISH, SMOOTHNESS AND TEXTURE OF ADJACENT PARTITIONS.
56. PATCH AND REPAIR ALL SURFACES AT DEMOLITION AND NEW WORK LOCATIONS AS NEEDED IN PREPARATION FOR INSTALLATION OF FINAL FINISHES.
57. WHERE OPENINGS OCCUR IN EXISTING FIRE RATED AREAS OR PARTITIONS DUE TO EXISTING OR NEW CONDUIT RUNS, DUCTWORK, CABLES, PIPING, ETC. AND/OR WHERE EXISTING FIREPROOFING HAS BEEN REMOVED AS A RESULT OF EXISTING OR NEW CONSTRUCTION WORK, THE CONTRACTOR SHALL CLOSE AND/ OR PATCH/ CAULK AS REQUIRED ALL OPENINGS TO MATCH IMMEDIATE ADJACENT AREAS IN MATERIAL, FINISH AND FIRE RATING.
58. CONTRACTOR SHALL COORDINATE AND PROVIDE METAL BACKING PLATES OR FIRE RETARDANT TREATED BLOCKING UNDER GYPSUM BOARD/ FINISH TO SECURELY SUPPORT ALL MISCELLANEOUS ELEMENTS, INCLUDING BUT NOT LIMITED TO, MILLWORK, SHELVING, HANDRAILS, EQUIPMENT/ ACCESSORIES, LIGHTING AND OWNER FURNISHED WALL HUNG ITEMS.

GENERAL NOTES

60. THE CONTRACTOR SHALL SUPPLY CUT SHEET SPECIFICATIONS OF ALL FIXTURES AND EQUIPMENT CALLED FOR ON DRAWING.
61. CONTRACTOR SHALL PATCH ALL FIREPROOFING WHICH IS DISTURBED/ REMOVED/ DAMAGED OR OTHERWISE ALTERED DURING CONSTRUCTION.
62. THE ARCHITECTURAL FLOOR PLANS, REFLECTED CEILING PLANS, SECTIONS, AND ELEVATIONS ILLUSTRATE THE EXACT LOCATION OF MANY, BUT NOT ALL, EXPOSED PARTS OF THE WORK. APPLY THE RULES INDICATED BY THE DRAWING "TYPICAL MOUNTING HEIGHTS AND DIAGRAMS" TO DETERMINE THE EXACT LOCATION OF EACH EXPOSED PART OF THE WORK.
63. SIGNAGE SHALL BE PROVIDED AND INSTALLED PER APPLICABLE BUILDING CODES.
64. REFER TO THE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR THE DETAILED DESIGN OF STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS, OF WHICH PORTIONS MAY BE SHOWN ON THE ARCHITECTURAL DRAWINGS.
65. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES, UNLESS OTHERWISE NOTED. WHERE HEIGHT IS NOT NOTED ON THE FLOOR OR REFLECTED CEILING PLANS, REFER TO THE ELEVATIONS.
66. REMOVE TOOLS AND EQUIPMENT FROM SITE UPON COMPLETION OF WORK. LEAVE CONTRACT AREAS AND SITE CLEAR ORDERLY, AND IN A CONDITION ACCEPTABLE FOR NEW OR OTHER CONSTRUCTION.
67. INSPECTION BY THE ARCHITECT AND ACCEPTANCE BY THE OWNER IS REQUIRED.
68. A SET OF THE INSTRUCTION MANUALS AND INSTALLATION INSTRUCTIONS OF ALL EQUIPMENT AND ACCESSORIES INSTALLED IN THIS JOB SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE OWNER AT THE COMPLETION OF THE JOB.
69. COORDINATE LOCATIONS AND SIZES OF ALL ACCESS PANELS WITH BUILDING MANAGEMENT.
70. NO NAILS, SCREW HOLES, OR CUT-OUTS ARE PERMITTED TO THE BUILDING'S WINDOW SYSTEM WITHOUT PRIOR APPROVAL FROM THE BUILDING MANAGEMENT.
71. ALL PLANS ARE TO BE FILED WITH THE New York State DEPARTMENT OF BUILDINGS AND THE FIRE DEPARTMENT FOR APPROVAL AND PERMITS.
72. TENANT AND CONTRACTORS ARE TO ABIDE BY ALL BUILDING RULES AND REGULATIONS. IT IS THE RESPONSIBILITY OF THE OBTAIN A COPY OF THESE DOCUMENTS.
73. ALL PIPES, CONDUIT, AND DUCTWORK SHOULD RUN WITHIN THE DEMISED SPACE WHEN POSSIBLE. ANY OF THE ABOVE THAT ARE OUTSIDE THE TENANT'S DEMISED SPACE MUST BE REVIEWED AND APPROVED BY THE BUILDING MANAGEMENT. MINIMUM CLEAR HEIGHT TO BE VERIFIED IN FIELD.
74. EXISTING BUILDING IS FULLY SPRINKLERED.
75. CONTRACTOR SHALL MAINTAIN ACCESS TO EMERGENCY EXITS AT ALL TIMES.

DEMOLITION NOTES

1. THE SCOPE OF DEMOLITION WORK HAS BEEN INDICATED FOR THE CONTRACTOR'S GENERAL INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE FULL SCOPE, EXTENT, NATURE AND MANNER OF DEMOLITION REQUIRED.
2. ONLY WORKMEN SKILLED AND KNOWLEDGEABLE IN THEIR RESPECTIVE TRADES SHALL BE EMPLOYED IN THE DEMOLITION.
3. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF DEMOLITION, THE CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
4. ANY COST OR PENETRATIONS IN EXISTING WORK REQUIRED TO ACCOMPLISH NEW WORK SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND SHALL BE DONE NEATLY AND WITHOUT DISTURBANCE OF ANY ADJACENT WORK TO REMAIN.
5. ALL WORK TO BE DONE DURING THE HOURS DESIGNATED BY OWNER.
6. THE CONTRACTOR SHALL REMOVE AND DISCARD ALL DEMOLISHED ITEMS IN A MANNER APPROVED BY GOVERNING AGENCY.
7. DO NOT SCALE DRAWING.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO SUBMITTING BID AND SHALL REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK. ALL BUILDING DEPARTMENT PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK.
9. DEMOLITION NOTES ARE INTENDED TO DESCRIBE THE OVERALL SCOPE OF THE DEMOLITION ONLY. THEY ARE NOT INTENDED TO CALL OUT EVERY ITEM TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR THOROUGHLY SURVEYING THE SITE AND ASSESSING THE ACTUAL SCOPE OF WORK FOR THE DEMOLITION. NOT LISTING ALL ITEMS DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR COMPLETING DEMOLITION AS REQUIRED TO PERFORM WORK.
10. THESE DRAWINGS ARE SCHEMATIC NATURE AND MAY NOT INCLUDE ALL INTERIOR PARTITIONS AND OTHER ITEMS TO BE REMOVED. EXISTING CONDITIONS TO BE VERIFIED BEFORE DEMOLITION.
11. CARE SHOULD BE TAKEN DURING DEMOLITION NOT TO DAMAGE FINISH MATERIALS AND STRUCTURE TO REMAIN IN AREAS ADJACENT TO THE DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY FINISHES OR STRUCTURE DAMAGED BY DEMOLITION.
12. ALL FIRE RATED ASSEMBLIES SHALL BE PATCHED TO MAINTAIN FIRE RATING INTEGRITY. FIRE RATING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
13. EXISTING FIREPROOFING ON STRUCTURAL STEEL ELEMENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PATCH ALL FIREPROOFING DAMAGED DURING DEMOLITION AND CONSTRUCTION.
14. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR ALL TEMPORARY SHORING FOR STRUCTURAL ELEMENTS THAT ARE AFFECTED BY TOTAL OR PARTIAL REMOVAL OF PART OF THE STRUCTURAL SYSTEM.
15. CEILING ELEVATIONS INDICATED ARE APPROXIMATE. CONTRACTOR TO VERIFY ALL CEILING ELEVATIONS.
16. DEMOLITION NOTES ARE INTENDED TO DESCRIBE THE OVERALL SCOPE OF THE DEMOLITION ONLY. THEY ARE NOT INTENDED TO CALL OUT EVERY ITEM TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR THOROUGHLY SURVEYING THE SITE AND ASSESSING THE ACTUAL SCOPE OF WORK FOR THE DEMOLITION. NOT LISTING ALL ITEMS DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR COMPLETING DEMOLITION AS REQUIRED TO PERFORM WORK.
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18. CARE SHOULD BE TAKEN DURING DEMOLITION NOT TO DAMAGE FINISH MATERIALS AND STRUCTURE TO REMAIN IN AREAS ADJACENT TO THE DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY FINISHES OR STRUCTURE DAMAGED BY DEMOLITION.
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20. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR ALL TEMPORARY SHORING FOR STRUCTURAL ELEMENTS THAT ARE AFFECTED BY TOTAL OR PARTIAL REMOVAL OF PART OF THE STRUCTURAL SYSTEM.
21. CEILING ELEVATIONS INDICATED ARE APPROXIMATE. CONTRACTOR TO VERIFY ALL CEILING ELEVATIONS.
22. CONSTRUCTION OPERATIONS WILL NOT INVOLVE INTERRUPTION OF HEATING, WATER OR ELECTRICAL SERVICES TO TENANTS OF THE BUILDING. ALL SYSTEM OUTAGES NEED TO BE COORDINATED WITH THE OWNER. CONTRACTOR IS TO SECURE ALL PERMITS AND APPROVALS PRIOR TO COMMENCEMENT OF WORK.
23. EXISTING SPRINKLER HEADS ARE TO BE REPLACED WITH UPRIGHT HEADS WHEN THE CEILINGS ARE REMOVED. UPRIGHT HEADS ARE TO BE MINIMUM OF 1" AND MAXIMUM OF 12" BELOW THE SLAB.

GC & OWNER'S VENDOR COORDINATION NOTES

1. ALL LOW VOLTAGE WIRING WORK SHALL COMPLY WITH THE LOCAL BUILDING CODE AND OTHER APPLICABLE AGENCY REGULATIONS.
2. SEE SECURITY PLANS FOR LOCATIONS AND DESCRIPTIONS OF SECURITY DEVICES. WHERE DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL AND SECURITY DRAWINGS, CONTACT ARCHITECT FOR RESOLUTION PRIOR TO INSTALLING DEVICES.
3. SEE TELECOM PLANS FOR ADDITIONAL INFORMATION ON TELECOMMUNICATION DEVICE LOCATION AND TYPES, ETC. WHERE DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL AND TELECOMMUNICATIONS DRAWING, CONTACT ARCHITECT FOR RESOLUTION PRIOR TO INSTALLING DEVICES.
4. ALL TELECOMMUNICATIONS OUTLETS SHALL COMPLY WITH OWNER'S STANDARDS.
5. CONTRACTOR SHALL PROVIDE AND INSTALL PLYWOOD IN I.T. SERVER ROOM AS DIRECTED BY OWNER'S SECURITY AND TELECOM GROUPS. PLYWOOD SHALL BE 3/4" THICK. SIZE SHALL BE 4'-0" X 8'-0" FSC CERTIFIED, FIRE RETARDANT AND MOUNTED WITH QUANTITY AND LOCATION AS PER TELECOM DRAWINGS.
6. AT FURNITURE SYSTEM FEEDS, IT IS PREFERRED THAT THE FEEDS BE RECESSED IN WALL AND ONLY THE CONNECTION TO THE SYSTEM SHALL BE SURFACE MOUNTED. IF THIS IS NOT POSSIBLE, FEEDER CONDUIT SHALL BE SURFACE MOUNTED IN A NEAT AND ORDERLY MANNER.
7. ALL POWER OUTLETS AT PANTRY MILLWORK, AT EQUIPMENT AND IN TOILET ROOMS SHALL BE GROUND FAULT INTERRUPTED TYPES.

CONSTRUCTION NOTES

1. THE TERM "FINISHED FLOOR", WHERE INDICATED ON THE DRAWINGS, REFERS TO THE NORMAL FINISHED FLOOR LEVEL OF THAT FLOOR.
2. UNLESS OTHERWISE INDICATED, HEIGHTS NOTED IN SCHEDULES ARE HEIGHTS ABOVE FINISHED FLOOR.
3. EXCEPT WHERE OTHERWISE INDICATED, ALL WALLS AND PARTITIONS ARE DIMENSIONED TO THEIR "NOMINAL" SIZES. WHERE DIMENSIONS ARE NOTED AS MIN., PROVIDE MIN. CLEAR TO FINISHED SURFACES.
4. THE DISTANCE FROM DOOR JAMBS TO ADJACENT PARTITIONS SHALL NOT BE LESS THAN 6" UNLESS OTHERWISE NOTED OR APPROVED BY ARCHITECT.
5. WHERE PIPES ARE TO BE CONCEALED, THE HUNG OR FURRED CEILINGS ARE NOT TO BE BUILT UNTIL THESE PIPES HAVE BEEN TESTED.
6. SUBSTRATES OF INTERIOR PARTITIONS SHALL NOT BE BUILT TO FULL HEIGHT UNLESS ALL DUCTS, PIPES, ETC. ARE IN PLACE.
7. FOR THE LOCATION OF ADDITIONAL CLEAN OUTS DOORS AND ACCESS DOORS IN PARTITIONS AND HUNG CEILINGS NOT SHOWN ON PLANS, REFER TO THE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL PLANS AND PROVIDE ACCESS DOORS AT LOCATIONS REQUIRING ACCESS TO MECHANICAL EQUIPMENT. THE ARCHITECT SHALL BE CONSULTED FOR FINAL LOCATIONS AND ACCESS DOOR SIZES.
8. THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LINTELS, STRUTS, BRACKETS, HANGERS, ETC. WHEREVER NECESSARY TO SUPPORT OR BRACE ALL FINISHES, EQUIPMENT RECESSES, HEADS OVER OPENINGS, FURNITURE, ETC.
9. ALL EXTERIOR CORNERS AT GYPSUM WALLBOARD CONSTRUCTION SHALL HAVE METAL CORNER BEADS INSTALLED.
10. ALL METAL CASING BEADS AT WINDOWS AND DOORS SHALL BE OF NON-CORROSIVE TYPE.
11. AT ALL AREAS WHERE SOFFITS ARE REQUIRED, THE VERTICAL AND HORIZONTAL SURFACES SHALL BE GYPSUM WALLBOARD UNLESS OTHERWISE NOTED.
12. EXCEPT AS OTHERWISE INDICATED, DOOR SADDLES OR DIVIDING STRIPS ARE REQUIRED AT INTERIOR DOOR OPENINGS WHERE DIFFERENT TYPES OF FLOOR FINISHES OCCUR IN ADJOINING ROOMS. WHERE ADJOINING ROOMS AND SPACES HAVE THE SAME KIND OF FLOOR COVERING OF DIFFERENT COLOR, EXTEND THE FLOOR COVERING THROUGH THE DOOR OPENING AND FINISH AT TRANSITION POINT UNDER CENTERLINE OF DOOR IN CLOSED POSITION.
13. ALL VERTICAL PIPES AND DUCTS ARE TO BE FURRED OUT WITH MATERIALS TO MATCH ADJACENT SURFACES.
14. ALL EQUIPMENT SECURED TO INTERIOR PARTITIONS SHALL BE FASTENED DIRECTLY TO METAL STUDS. PROVIDE METAL STRAPPING OR PLYWOOD AT ALL WALL MOUNTED EQUIPMENT AND FUTURE TV LOCATIONS AS SHOWN.
15. ALL OPENINGS AT GYPSUM WALLBOARD PARTITIONS FOR DUCTS, ELECTRIC PANEL BOARD, ETC. ARE TO BE STEEL STUD-FRAMED OPENINGS.
16. ALL ITEMS RECESSED INTO RATED PARTITIONS (SUCH AS OUTLET BOXES, PANEL BOXES, ETC.) SHALL HAVE THOSE OPENINGS PROTECTED WITH BACK-UP MATERIALS SO AS TO RETAIN THE INTEGRITY OF THE PARTITION RATING THROUGHOUT. PROTECTION OF THESE OPENINGS SHALL BE IN STRICT CONFORMITY WITH THE NEW YORK STATE BUILDING CODE, LOCAL ORDINANCES AND BE TO THE SATISFACTION OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
17. ALL DIMENSIONS SHALL BE TAKEN FROM THE FINISH FACE OF MATERIALS BY THEIR SUBSEQUENT TRADES.
18. ALL AREAS, SUCH AS PANTRY, LAVATORY, ETC. THAT ARE PRONE TO WATER LEAKAGE SHALL BE WATERPROOFED.

REFLECTED CEILING NOTES

1. ALL SUSPENDED CEILING HEIGHTS SHALL BE AS NOTED ON THE REFLECTED CEILING PLANS. CONTACT FOR RESOLUTION WHERE DESIGNATED CEILING HEIGHTS CANNOT BE ACHIEVED DUE TO FIELD CONDITIONS.
2. ALL DIMENSIONS ARE INDICATED ABOVE THE FINISHED FLOOR U.O.N.
3. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION ON SUPPLY DIFFUSERS, RETURN GRILLES, TRANSFER DUCTS, FIRE DAMPERS, DUCTWORK LAYOUTS, ETC. WHERE DISCREPANCIES OCCUR BETWEEN CEILING AND MECHANICAL DRAWINGS, CONTACT ARCHITECT FOR RESOLUTION PRIOR TO INSTALLING DEVICES.
4. SEE FIRE PROTECTION PLANS FOR ADDITIONAL INFORMATION ON SPRINKLER HEAD LOCATION AND HEAD TYPES, PIPING RUNS, ETC. WHERE DISCREPANCIES OCCUR BETWEEN CEILING AND FIRE PROTECTION DRAWINGS, CONTACT ARCHITECT FOR RESOLUTION PRIOR TO INSTALLING DEVICES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE COMPATIBILITY OF THE LIGHT FIXTURES WITH THE SUSPENDED CEILING GRID TYPE. ALL CONFLICTS SHALL BE RESOLVED BEFORE ANY WORK IS INSTALLED.
6. CONTRACTOR SHALL INSTALL DIRECTIONAL ACOUSTICAL CEILING TILE OR PANELS WITH "GRAIN" IN ONE DIRECTION ONLY WITHIN ANY SINGLE SPACE.
7. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION ON LIGHT FIXTURE LOCATION AND TYPES. EMERGENCY AND NIGHT LIGHTS, SMOKE DETECTORS, ETC. WHERE DISCREPANCIES OCCUR BETWEEN CEILING AND ELECTRICAL DRAWINGS, CONTACT ARCHITECT FOR RESOLUTION PRIOR TO INSTALLING DEVICES.
8. SEE SECURITY PLANS FOR ADDITIONAL INFORMATION ON CAMERAS, MOTION DETECTORS, ETC. WHERE DISCREPANCIES OCCUR BETWEEN CEILING AND SECURITY DRAWINGS, CONTACT ARCHITECT FOR RESOLUTION PRIOR TO INSTALLING DEVICES.
9. SUSPENDED CEILING GRID OR TILE SHALL BE CENTERED IN EACH INDIVIDUAL ROOM EXCEPT AS NOTED ON REFLECTED CEILING PLAN.
10. SUSPENDED CEILING ACOUSTICAL TILE OR PANELS SHALL NOT BE INSTALLED UNTIL ALL OTHER ENGINEERING TRADES WORK ABOVE THE CEILING IS COMPLETE.
11. CONTRACTOR SHALL SUBMIT COMPOSITE CEILING PLANS AND NECESSARY COORDINATION DRAWINGS SHOWING ALL TRADES' WORK INCLUDING, BUT NOT LIMITED TO, STRUCTURAL BEAMS, CEILING START POINTS, SOFFITS, WINDOW POCKETS, MECHANICAL DEVICES AND DUCT RUNS. SPRINKLER HEADS AND PIPING RUNS, LIGHT FIXTURES, CONDUIT RUNS, TELECOMMUNICATION CONDUITS, SMOKE DETECTORS, SENSORS, ETC. ALL CONFLICTS SHALL BE RESOLVED BEFORE WORK IS FABRICATED.
12. PRIOR TO CLOSING UP CEILINGS, CONTRACTOR SHALL TEST ALL ENGINEERING SYSTEMS ABOVE THE CEILINGS AND SHALL OBTAIN SIGNOFF BY THE AGENCIES HAVING JURISDICTION.
13. MOUNT STANDARD SWITCHES AS INDICATED ON THE TYPICAL MOUNTING HEIGHT ELEVATIONS UNLESS OTHERWISE NOTED.
14. NO CEILING BREAKS SHALL BE PERMITTED WITHIN A SINGLE ROOM UNLESS NOTED OTHERWISE.
15. INDICATED DIMENSIONS ARE TO THE CENTERLINE OF A SINGLE SWITCH OR TO THE CENTER LINE OF A CLUSTER OF SWITCHES UNLESS OTHERWISE NOTED.
16. ALL STROBE, SPEAKER/STROBE AND VISUAL ALARM DEVICE LOCATIONS INDICATED ON THE DRAWINGS ARE FOR DESIGN INTENT. SUBMIT SHOP DRAWINGS TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO START OF WORK.
17. LOCATE HVAC DIFFUSERS, REGISTERS AND LIGHTING FIXTURES WITHIN GRID LINES, UNLESS OTHERWISE NOTED. LOCATE SPRINKLER HEADS, SPEAKERS, RECESSED LIGHT FIXTURES, AND OTHER CEILING DEVICES IN THE CENTER OF ACOUSTICAL CEILING UNITS UNLESS OTHERWISE NOTED.
18. FINISH OF HVAC DIFFUSERS, REGISTERS AND LIGHTING FIXTURE TRIM, DRAPERY POCKETS, SPEAKER GRILLES AND OTHER CEILING-MOUNTED DEVICES SHALL MATCH CEILING GRID FINISH UNLESS OTHERWISE NOTED.

LANDLORD RULES & REGULATIONS

1. CONTRACTOR SHALL REVIEW AND FOLLOW LANDLORD'S RULES AND REGULATIONS REGARDING TEMPORARY PROTECTION OF BUILDING CORE ELEMENTS (ELEVATOR SHAFTS, ETC.) PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL REVIEW AND COORDINATE KEYING REQUIREMENTS WITH LANDLORD'S LOCKSMITH. SEE HARDWARE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LANDLORD'S BUILDING CONSTRUCTION RULES, REGULATIONS AND STANDARD OPERATING PROCEDURES.

POWER, TEL & SIGNAL NOTES

1. SEE SHEET G-003 FOR TYPICAL DEVICE LOCATIONS
2. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL NOTES AND INFORMATION, INCLUDING A/V REQUIREMENTS, OUTLETS, CIRCUITING, SECURITY ITEMS, AND CLIENT'S TELEPHONE AND DATA REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL VENDORS INCLUDING TELECOMMUNICATIONS INSTALLATION, AUDIO VISUAL INSTALLATION, CABLE TV INSTALLATION, ETC.
4. THE G.C. SHALL PROVIDE A COMPLETE SET OF ARCHITECTURAL AND ENGINEERING DOCUMENTS TO THE ELECTRICAL SUBCONTRACTORS. THE ELECTRICAL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR ELECTRICAL ITEMS INDICATED ON ALL DRAWINGS. NOTIFICATION OF ANY CONFLICT OR INACCURACY SHALL BE REPORTED TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
5. WHEREVER THERE IS A CONFLICT OF QUANTITY OR LOCATION BETWEEN ENGINEERING AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
6. ALL WALL-MOUNTED RECEPTACLES TO HAVE WHITE COVER PLATE AND WHITE DEVICE. UON
7. REFER TO TELECOMMUNICATION DRAWINGS FOR ALL COMPUTER ROOMS / TELECOMMUNICATION ROOM REQUIREMENTS INDICATING CABLE RUNS AND SPECS.
8. EXACT LOCATION OF FLOOR MOUNTED RECEPTACLES, THERMOSTATS, AND FIRE SPEAKERS AND STROBES TO BE VERIFIED IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
9. CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TELECOMMUNICATIONS CABLING.
10. ALL MAGNETIC LOCKS IN ELEVATOR LOBBY ARE TO BE TIED INTO CLASS "E" SYSTEM. REFER TO ENGINEER'S DRAWINGS.
11. G.C.'S ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE FURNISH AND INSTALLATION OF ALL ELECTRIC COMPONENTS (INCLUDING POWER ENTRY FEED TIE-IN) FOR TIE INTO POWER AT BASE OF SYSTEMS FURNITURE.
12. CUTS FOR ALL ELECTRICAL DEVICES AND PRE-MANUFACTURED ITEMS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO ORDERING. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS PRIOR WRITTEN APPROVAL HAS BEEN GIVEN.
13. THE ELECTRICAL CONTRACTOR SHALL INSPECT EXISTING ELECTRICAL CLOSETS TO CONFIRM THAT THEY MEET ALL ELECTRICAL CODE REQUIREMENTS AND BUILDING REGULATIONS.
14. CONTRACTOR SHALL COORDINATE INSTALLATION OF CABLING BY OTHERS.
15. CONTRACTOR SHALL CHOP AND CHANNEL EXISTING BLOCK PARTITIONS SCHEDULED TO RECEIVE RECEPTACLES IN ORDER TO FULLY RECESS CONDUIT AND JUNCTION BOXES. PATCH AND PREPARE PARTITION TO RECEIVE SCHEDULED FINISH.
16. ALL RECEPTACLES SHOWN AT BASE OF INDUCTION UNIT ARE TO BE MOUNTED AT THE BASE RECESS. ROUTE REQUIRED CONDUIT WITHIN INDUCTION UNIT BASE AND TO THE NEAREST COLUMN OR WALL AS REQUIRED. NO CONDUIT IS TO BE SURFACE MOUNTED OR EXPOSED.
17. ELECTRICAL CONTRACTOR TO UTILIZE FURRED OUT COLUMNS TO FEED SYSTEMS FURNITURE.
18. G.C. TO PROVIDE FACE PLATES FOR ALL SYSTEMS FURNITURE EXITING THROUGH DRY WALL.
19. G.C.'S ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE FURNISHING AND INSTALLATION OF CONDUIT AND JUNCTION BOXES REQUIRED FOR ALL VOICE AND DATA FACE PLATES, TERMINATION, CABLING, CROSS CONNECTS, BLOCKS, AND OTHER RELATED WORK TO BE BY OTHERS, UNO.
20. DRAGLINES SHALL BE PROVIDED FOR ALL CONDUIT.
21. IN CASE OF DISCREPANCIES, ELECTRICAL CONTRACTOR TO INCLUDE COST IN BID FOR MORE COSTLY INSTALLATION OR CONDITION.
22. ALL ELECTRICAL AND DATA OUTLETS ARE TO BE MOUNTED VERTICALLY.
23. OUTLETS ARE TYPICALLY MOUNTED AT 18" AFF. COORDINATE WITH PANTRIES AND WORK AREAS FOR SPECIFIC MOUNTING LOCATIONS.
24. COORDINATE INSTALLATION OF SECURITY DEVICES WITH OWNER'S SECURITY VENDOR.
25. MAGNETIC LOCKS AND ELECTRIC STRIKES ARE TO BE COORDINATED WITH HARDWARE SPECIFICATIONS.
26. ELECTRICAL CONTRACTOR WILL PROVIDE EXTENDED "J" BOXES FOR POWER AND DATA OUTLETS FOR MOUNTING IN CUSTOM MILLWORK AND FINISH WALL PANELS AS NEEDED. COORDINATE WITH MILLWORK CONTRACTOR FOR LOCATIONS.
27. LOCATE OUTLETS ON CENTER OF MILLWORK, WALL OR COLUMN, U.O.N.
28. ELECTRICAL OUTLETS AND SWITCHES ON OPPOSITE SIDES OF PARTITIONS SHOULD NOT BE LOCATED BACK TO BACK. OFFSET ELECTRICAL BOXES AS REQUIRED.
29. ELECTRICAL BOXES IN ACOUSTICALLY CRITICAL PARTITIONS SHALL BE STAGGERED BY AT LEAST ONE STUD BAY. BACK-TO-BACK RECEPTACLES ARE ACOUSTICALLY UNACCEPTABLE IN NOISE CRITICAL AREAS. CAULK PERIMETER OF OUTLET WITH ACOUSTICAL SEALANT.
30. ALL OPENINGS AND PERIMETER JOINTS FOR ELECTRICAL BOXES IN ACOUSTICALLY CRITICAL PARTITIONS SHALL BE CAULKED WITH NON-HARDENING ACOUSTIC CAULKING.

FINISH NOTES

1. REVIEW GENERAL NOTES AND SPECIFICATIONS BEFORE COMMENCING WORK.
2. REVIEW FINISH SCHEDULE BEFORE COMMENCING WORK.
3. CONTRACTOR SHALL PROPERLY PREPARE SURFACES AS PER FINISH MANUFACTURER'S SPECIFICATIONS PRIOR TO APPLICATION OF FINISH.
4. CONTRACTOR SHALL ENSURE THAT ALL SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING WORK SHALL INDICATE CONTRACTOR'S ACCEPTANCE OF SUBSTRATE CONDITIONS.
5. CONTRACTOR SHALL PROVIDE MANUFACTURER'S REQUIRED SUBSTRATE UNDER ALL FINISHED SURFACES.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR FLOOR PREPARATION AND CONCRETE RESTORATION AS REQUIRED BY FIELD CONDITIONS FOR PROPER INSTALLATION OF FINISH FLOOR MATERIALS.
7. CONTRACTOR SHALL APPLY ALL PRIMERS AND SEALERS FOR FINISH MATERIALS AS PER MANUFACTURER'S RECOMMENDATIONS.
8. CONTRACTOR SHALL PROPERLY PREPARE, SPACKLE, SAND, ETC. ALL WALLS TO PROVIDE A SMOOTH FINISH. ALL EXISTING SURFACES ADJACENT TO NEW FINISHES SHALL BE REFINISHED AS REQUIRED TO MATCH QUALITY OF NEW CONSTRUCTION.
9. CONTRACTOR SHALL SUBMIT SAMPLES AND OBTAIN ARCHITECT'S APPROVAL OF ALL FINISHES PRIOR TO COMMENCEMENT OF WORK.
10. CONTRACTOR SHALL SUBMIT TECHNICAL INFORMATION ON FINISH MATERIALS COMPLIANCE WITH LOCAL CODE AND ENVIRONMENTAL REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK.
11. ALL WORK BY OTHERS AND EXISTING WORK TO REMAIN SHALL BE ADEQUATELY PROTECTED BY CONTRACTOR AGAINST DAMAGE FROM ANY FINISH MATERIAL INSTALLATION.
12. CONTRACTOR SHALL INSTALL ANY FLOOR FINISH TRANSITIONS AT THE CENTER OF DOOR OR CASED OPENING UNLESS OTHERWISE NOTED. SEE DOOR SCHEDULE AND DETAILS FOR SILL INFORMATION.
13. CONTRACTOR SHALL PROVIDE A TRANSITION STRIP WHERE DIFFERENT FLOOR FINISHES MEET UNLESS OTHERWISE NOTED.
14. CONTRACTOR SHALL PROVIDE RESILIENT REDUCING STRIP WHERE CARPET MEETS RESILIENT FLOOR UNLESS OTHERWISE NOTED.
15. CONTRACTOR SHALL PROVIDE FLOOR FEATHERING TO PROVIDE FLUSH CONDITION BETWEEN ADJACENT FINISH OF DIFFERING THICKNESS UNLESS OTHERWISE NOTED. RESULTING SLOPES SHALL NOT EXCEED 1/4" PER FOOT.
16. CONTRACTOR SHALL PROVIDE A STAINLESS STEEL ANGLE EDGE STRIP WHERE CARPET MEET STONE, TILE OR WOOD FLOORS UNLESS OTHERWISE NOTED.
17. ALL WALLS AND COLUMNS THAT INDICATE NEW PAINT SHALL BE PAINTED WITH EGGSHELL FINISH UNLESS OTHERWISE NOTED. SEE FINISH PLANS AND FINISH SCHEDULE FOR COLOR SELECTION.
18. ALL CEILINGS AND SOFFITS/FASCIAS THAT INDICATE NEW PAINT SHALL BE PAINTED WITH FLAT FINISH UNLESS OTHERWISE NOTED. SEE FINISH PLANS AND FINISH SCHEDULE FOR COLOR SELECTION.
19. ALL HOLLOW METAL OR WOOD DOORS AND FRAMES SHALL BE PAINTED WITH SEMI-GLOSS FINISH UNLESS OTHERWISE NOTED.
20. ALL CLOSETS SHALL RECEIVE THE SAME FINISHES AS ADJACENT AREA AND SHALL RECEIVE CLEAR LACQUERED BIRCH PLYWOOD SHELF AND CHROME ROD, UNLESS OTHERWISE NOTED.
21. ALL FABRIC WALL PANEL START POINTS SHALL BE APPROVED BY THE ARCHITECT BEFORE COMMENCING WORK UNLESS OTHERWISE NOTED.
22. CONTRACTOR SHALL PROVIDE STRAIGHT TYPE RESILIENT BASE AT CARPET FLOOR FINISH AND COVE TYPE RESILIENT BASE AT RESILIENT FLOOR FINISH UNLESS OTHERWISE NOTED.
23. CONTRACTOR SHALL PROVIDE MANUFACTURER'S STANDARD BASE AND TRIM PIECES AS APPLICABLE FOR CERAMIC OR PORCELAIN FLOOR AND WALL INSTALLATIONS.
24. ALL WALL MOUNTED DEVICES (STROBES, THERMOSTATS, SWITCHES, ETC.) SHALL BE UNIFORMLY ALIGNED AS NOTED ON DEVICE ELEVATION DIAGRAM. SAMPLES OF ALL DEVICES SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL UNLESS OTHERWISE NOTED.
25. ALL DEVICE COVER PLATES (OUTLETS, SWITCHES, ETC.) SHALL BE WHITE. COLOR CHART MUST BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

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IN CHARGE OF WAN LEUNG
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MADE BY ERIC KLINGLER

Revision	Date	Description

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

GENERAL NOTES

CONTRACT NUMBER 25-532
SHEET NUMBER G-002
SHEET 3 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-G-375-0
REV NO. 0

ABBREVIATIONS

#	Pound Or Number
&	And
@	At
A	Air
A/C	Air Conditioning
ABV	Above
ACC	Access
ACOUS	Acoustic(Al)
ACT	Acoustical Ceiling Tile; Actual
AD	Area Drain
ADJ	Adjust, Adjustable, Adjacent
AFF	Above Finished Floor
AGGR	Aggregate
ALUM	Aluminum
ANOD	Anodized
ANT	Antenna
AP	Access Panel
APPROX	Approximate
ARCH	Architect (Ural)
ATTEN	Attenuation
AUTO	Automatic
AVG	Average
AX	Axis
AWB	Air and Water Berrier
BD	Board
BDY	Boundary
BEL	Below
BETW	Between
BF	Board Foot, Back Face, Bottom Face, Both Faces
BL	Base Line, Building Line
BLDG	Building
BLK	Block
BLKG	Blocking
BOS	Bottom Of Steel
BOT	Bottom
BR	Brick, Brass, Boiler Room Branch
BRG	Bearing
BS	Both Sides, Backset, Bluestone
BSMT	Basement
BTU	British Thermal Units
BTUH	British Thermal Units Per Hour
BUR	Built-Up Roofing
BUZ	Buzzer
BYND	Beyond
C J	Construction/Control Joint
C or CPT	Carpet (Ed)
C/C	Center To Center
CA	Compressed Air
CAB	Cabinet
CAP	Capacity
CCTV	Closed Circuit TV
CCW	Counter Clockwise
CF	Cubic Feet
CFCI	Contractor Furnished / Contractor Installed
CFM	Cubic Feet Per Minute
CFOI	Contractor Furnished / Owner Installed
CG	Corner Guard
CHNL	Channel
CIP	Cast In Place
CIR	Circle, Circular, Circuit
CIRC	Circumference
CL	Center Line
CLG	Ceiling
CLR	Clear (Ance)
CMU	Concrete Masonry Unit
CNTR	Center, Counter
CO	Company, Cleanout, Cased Opening, Cut Out
COL	Column
COMPR	Compressible
CONC	Concrete
CONT	Continuous
CSWK	Casework
CTR	Counter
CW	Clockwise, Cold Water
CY	Cubic Yard, Cycle

DBL	Double
DEG or °	Degree
DEMO	Demolish
DEP	Depressed
DEPT	Department
DET or DTL	Detail
DF	Drinking Fountain
DIA/Ø	Diameter
DIAG	Diagonal
DIFF	Diffuser
DIM	Dimension
DIMS	Dimensions
DISP	Dispenser
DIV	Division
DMT	Demountable
DN	Down
DO	Door Opening
DR	Door, Drain, Dining Room
DW	Dishwasher
DWG	Drawing
DWR	Drawer
EA	Each
EIFS	Exterior Insulation And Finish System
EJ	Expansion Joint
EJECT	Ejector
EL	Elevation (Height)
ELEC	Electrical
ELEV	Elevator Or Elevation
EM	Emergency
ENCL	Enclosure (Enclosed)
ENTR	Entrance
EPDM	Ethylene Propylene Diene Monomer
EPF	Epoxy Floor (Poured Floor)
EQ	Equal
EQUIP	Equipment
ESC	Escalator
EX	Exist(Ing)
EXH	Exhaust
EXP	Expansion, Exposed
EXP JT	Expansion Joint
EXT	Exterior
F	Degrees Fahrenheit, Fuse
FA	Fire Alarm, Fresh Air
FAB	Fabricate
FAR	Floor Area Ratio
FC	File Cabinet, Foot Candle
FD	Floor Drain
FE	Fire Extinguisher
FEC	Fire Extinguisher Cabinet
FF	Finished Floor, Factory Finish
FFE	Furniture, Fixture, And Equipment
FFL	Finished Floor Line
FHC	Fire Hose Cabinet
FI	Film
FIN	Finish, Finished
FIXT	Fixture
FL	Floor, Fire Line
FLAM	Flammable
FLEX	Flexible
FLR	Floor
FLUOR	Fluorescent
FND	Foundation
FO	Face Of
FOC	Face Of Concrete
FOF	Face Of Finish
FOS	Face Of Studs Or Steel
FOW	Face Of Wall
FP	Fire Protection, Fireproof, Fireproof(Ing)
FR	Front, Fire Riser, Fire Rat(Ing)(Ed)
FRM	Frame
FRTW	Fire Retardant Treated Wood
FT or '	Foot/Feet
FTG	Footing, Fitting
FUR	Furred, Furring
FURN	Furnish, Furniture

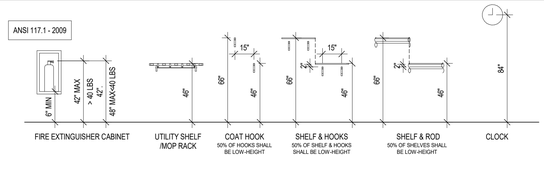
G	Gas, Girder, Gutter, Gram
GA	Gauge, Gage
GALV	Galvanized
GC	General Contractor
GEN	Generator
GFCI	Ground Fault Circuit Interrupted
GFRC	Glass Fiber Reinforced Concrete
GL	Glass (Glazing)
GR	Grade (Grading)
GWB	Gypsum Wall Board
HB	Hose Bib
HC	Hollow Core, Handicapped
HD	Head, Heavy Duty
HDR	Header
HDWR	Hardware
HI	High
HM	Hollow Metal
HNDR	Handrail
HORZ	Horizontal
HOSP	Hospital
HP	High Point, High Pressure, Horse Power
HR	Hour
HRDW	Hardware
HT	Height
HVAC	Heating, Ventilating & Air Conditioning
HVY	Heavy
HWD	Hardwood
ID	Inside Diameter
IE	Invert Elevation
ILO	In Lieu Of
IN or "	Inch(Es)
INCAN	Incandescent
INFO	Information
INSUL	Insulate, Insulation
INT	Interior, Internal
INV	Invert
IRGWB	Impact Resistant Gypsum Wallboard
JB	Junction Box
JCT	Junction
JST	Joist
JT	Joint
KD	Knock Down
KG	Kilogram
KIP	Kilopound (1000 Pounds)
KM	Kilometer
KO	Knock Out
L	Angle, Left, Length, Lighting Panel, Long, Line
LAD	Ladder
LAM	Laminate(D)
LAT	Lateral
LAV	Lavatory
LB	Pound (Weight), Lag Bolt
LBL	Label
LBR	Lumber
LF	Linear Feet
LH	Left Hand
LIN	Linear
LL	Live Load
LO	Low
LOC	Locate, Location(S)
LP	Low Point, Low Pressure, Lighting Panel
LPT	Low Point
LTG	Lighting
LVR	Louver
LW	Light Weight
LWC	Light Weight Concrete

M	Meter, Motor, Bending Moment
MACH	Machine
MAINT	Maintenance
MAT	Material
MAX	Maximum
MECH	Mechanical
MED	Medium
MEMBR	Membrane
MEP	Mechanical, Electrical, Plumbing, Fire Protection, Fire Alarm
MEZZ	Mezzanine
MFD	Manufactured, Metal Floor Deck
MFG	Manufacturer, Manufacturing
MFR	Manufacturer
MGR	Manager
MH	Manhole
MIN	Minimum
MISC	Miscellaneous
MM	Millimeter
MO	Masonry Opening
MOD	Module
MONO	Monolithic
MRGWB	Moisture-Resistant Gypsum Wall Board
MTD	Mount, Mounted
MTL	Metal
N	North, Nitrogen
N/A	Not Applicable
NIC	Not In Contract
NO or #	Number
NOM	Nominal
NRC	Noise Reduction Coefficient
NTS	Not To Scale
O	Oxygen
OA	Outside Air, Overall
OC	On Center
OD	Outside Dimension Or Diameter
OFCI	Owner Furnished / Contractor Installed
OFOI	Owner Furnished / Owner Installed
OH	Overhead, Opposite Hand
OHD	Overhead Door
OPG	Opening
OPP	Opposite
OVFL	Overflow
OVHD	Overhead
OZ	Ounce
PART	Partition
PART BD	Particle Board
PB	Pull Box, Push Button, Panic Bar, Porcelain Base
PC	Pull Chain, Piece, Precast Concrete
PED	Pedestal
PERP	Perpendicular
PKG	Parking
PL	Plate, Plan, Property Line, Plastic
PLAM	Plastic Laminate
PLAS	Plaster
PLBG	Plumbing
PLYWD	Plywood
PMF	Premolded Filler
PNEU	Pneumatic
PNL	Panel
PP	Plaster, Painted, Power Panel, Precast Panel, Push Plate
PR	Pair
PRE	Prefinished
PREFAB	Prefabricate(D)
PREP	Preparation / Prepare
PRESS	Pressure
PROP	Property
PROT	Protection, Protective
PSF	Pounds Per Square Foot
PSI	Pounds Per Square Inch
PT	Paint, Point, Part, Potential Transformer
PVC	Polyvinyl Chloride
PVT	Private
PWR	Power

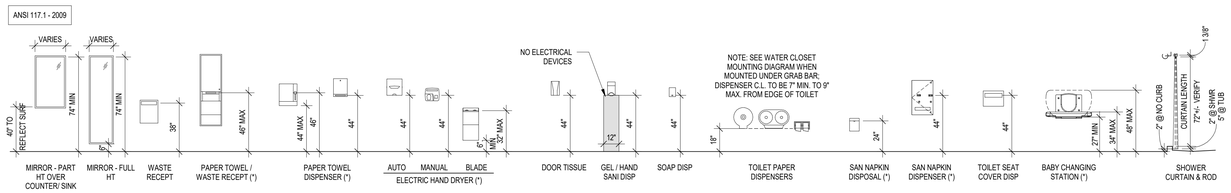
QTR	Quarter
QTY	Quantity
QUAL	Quality
R	Riser, Radius, Resistance, Relay Panel
RA	Return Air, Registered Architect
RAD	Radius, Radiator
RB	Rubber, Rubber Base, Resilient Base
RCP	Reflected Ceiling Plan, Reinforced Concrete Pipe
RD	Roof Drain, Round, Receptacle Distribution Panel
REC	Receiver, Recess
RECPT	Receptacle, Reception
REF	Refer, Reference
REFR	Refrigerate, Refrigerator
REG	Register, Regular
REINF	Reinforcement, Or Reinforce
REQ	Require, Required
RET	Return
REV	Reverse, Revise, Revision
RH	Right Hand, Reheat, Relative Humidity
RM	Room
RO	Rough Opening
S	South, Sealant, Supply, Sink
SALV	Salvage
SAN	Sanitary
SC	Solid Core, Short Circuit, Self Closing, Sill Cock
SCH	Schedule
SECT	Section
SEL	Select
SERV	Service
SF	Square Foot
SGL	Single
SH	Shelf, Sheet, Shower
SHLVG	Shelving
SHT	Sheet
SHWR	Shower
SI	Square Inch
SIM	Similar
SK	Sketch
SPEC	Specification, Specifications
SPF	Spray Polyurethane Foam
SPKLR	Sprinkler
SPKR	Speaker
SQ	Square
ST. STL.	Stainless Steel
STC	Sound Transmission Class
STD	Standard
STL	Steel
STOR	Storage
STRUCT	Structural
SURF	Surface
SUSP	Suspended, Suspend
SY	Square Yard
SYM	Symmetrical
SYS	System
T	Tread, Thermostat, Tee
T&G	Tongue And Groove
TC	Top Of Curb, Terracotta
TD	Trench Drain
TEL	Telephone
TEMP	Temporary, Tempered, Temperature
THK	Thick, Thickness
TLT	Toilet
TO	Top Of
TOC	Top Of Concrete
TOL	Tolerance
TOS	Top Of Steel
TR	Tread, Transom, Transition
TV	Television
TW	Top Of Wall, Thin Wall (Conduit), Tempered Water
TYP	Typical

UC	Undercut
UL	Underwriters Laboratory
UNFIN	Unfinished
UNO	Unless Noted Otherwise
UON	Unless Otherwise Noted
V	Volt, Valve, Vinyl, Vent, Ventilator, Vacuum
VAC	Vacuum
VAR	Varnish, Varies
VENT	Ventilate, Ventilator
VERT	Vertical
VEST	Vestibule
VIF	Verify In Field
VLT	Vault
VNR	Veneer
VOL	Volume
VP	Vision Panel
VTR	Vent Through Roof
W	West, Width, Wide, Watt, Waste, Water
W/	With
W/O	Without
WAINS	Wainscot
WB	Wood Base
WC	Water Closet
WD	Wood
WDPNL	Wood Panel
WF	Wide Flange (Structural Steel), Window Film
WIN	Window
WO	Window Opening
WPT	Working Point
WT	Weight, Water Table, Watertight
WWF	Welded Wire Fabric
YD	Yard
YR	Year

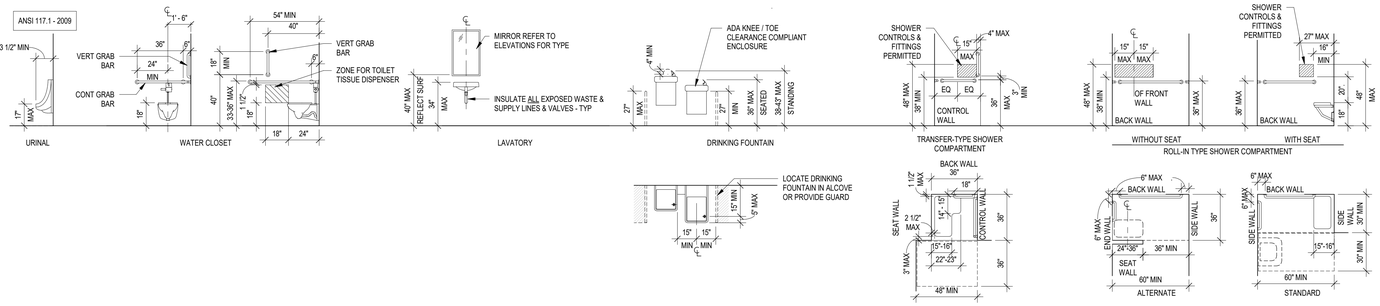
GENERAL ELEMENTS



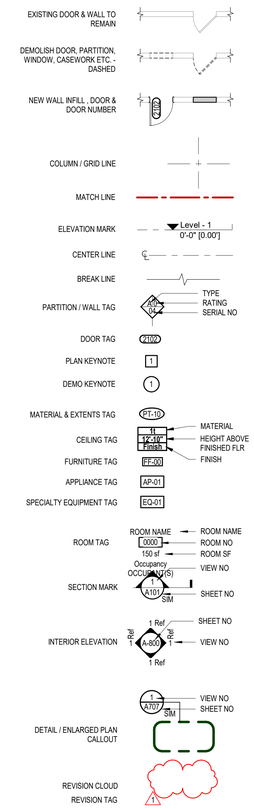
TOILET ACCESSORIES



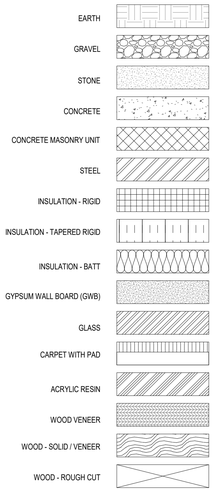
PLUMBING FACILITIES



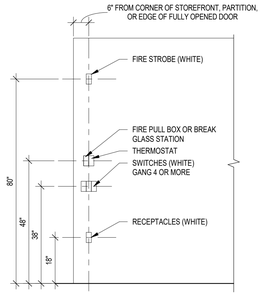
TYPICAL SYMBOLS



MATERIAL INDICATIONS



TYPICAL DEVICE MOUNTING HEIGHTS



GENERAL NOTE: WALL MOUNTED OUTLETS, FIRE STROBES, THERMOSTATS, ETC. SHOULD NEVER BE MOUNTED IN THE CENTER OF A SOLID WALL, UNLESS SPECIFICALLY NOTED OTHERWISE.

PLACEMENT NOTES

1. ALL DIMENSIONS ARE TO **FINISHED** FACES.
2. DOOR CLOSERS TO BE SET 90°-100° MIN.
3. NOT ALL DEVICES ARE SHOWN. NOT ALL ITEMS SHOWN ARE USED.
4. DIMENSIONS SHOWN ARE TYPICAL. SPECIFIC CONDITIONS SHOWN ON OTHER DRAWINGS SHALL HAVE PRECEDENCE UNLESS CONTRADICTORY TO CODE REQUIREMENTS.
5. MEP DWGS SHOW QUANTITY AND GENERAL LAYOUT OF UTILITY OUTLETS. OTHER ARCHITECTURAL DWGS ALSO SHOW LOCATIONS. WHERE LOCATIONS ARE NOT SPECIFICALLY INDICATED ON OTHER DWGS, USE THE GUIDELINE ON THIS DWG. IF AN OUTLET IS FOR A SPECIFIC PIECE OF EQUIPMENT, CENTER OUTLET BEHIND EQUIPMENT. MEP CONTRACTORS SHALL COORDINATE BETWEEN ALL DWGS AND EQUIPMENT REQUIREMENTS.
6. SHOULD ANY CONDITIONS - BUILT OR UNBUILT - BE FOUND THAT CONTRADICT THE REQUIREMENTS SHOWN HEREIN, BRING THEM TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION, PRIOR TO PROCEEDING WITH WORK.
7. DRAWINGS / DIAGRAMS ARE NOT TO SCALE. DO NOT SCALE PRINTED DOCUMENTS.

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IN CHARGE OF WAN LEUNG
CHECKED BY GORHAM HOM
MADE BY ERIC KLINGLER

Revision	Date	Description

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION
☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MOUNTING HEIGHTS AND STANDARDS

CONTRACT NUMBER 25-532
SHEET NUMBER G-003
SHEET 4 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-G-376-0
REV NO. 0

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 18. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from digital orthophotography provided by the New York State Office of Cyber Security & Critical Infrastructure Coordination. This information was produced as 20-centimeter resolution natural color orthoimagery from photography dated April 2004.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 3 — 3 — Limited detail cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 2°76'000"N — 1000-meter Universal Transverse Mercator grid values, zone 18N
- 600000 FT — 5000-foot grid ticks: New York State Plane coordinate system, East zone (FIPSZONE 3101), Transverse Mercator projection
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- ● M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 28, 2007

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0279F

FIRM

FLOOD INSURANCE RATE MAP

for WESTCHESTER COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY	NUMBER
HARRISON, TOWN OF	360912
NORTH CASTLE, TOWN OF	360923
RYE BROOK, VILLAGE OF	360930

PANEL 279 OF 426
MAP SUFFIX: F
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
36119C0279F

EFFECTIVE DATE
SEPTEMBER 28, 2007

Federal Emergency Management Agency

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CHECKED BY GORHAM HOM
MADE BY ERIC KLINGLER

Revision	Date	Description

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

FEMA MAP

CONTRACT NUMBER	25-532
SHEET NUMBER	G-004
SHEET 5 of 162	
SCALE: AS SHOWN	
DATE: 09/02/2026	
DPW FILE NO.	48-08-G-377-0
REV NO.	0

PRINTED: 9/2/2026 11:37:21 AM
FILE: Autodesk Docs://M+ Westchester Airport - Building 1/24-7646-WCE_HPN_RENOVATION-R24.rvt

Project Description	WORK INVOLVES THE ALTERATION OF ALL AREAS. THE BUILDING IS NOT CERTIFIED AS ELIGIBLE FOR LISTING AS AN HISTORIC BUILDING. EXISTING STAIRS TO REMAIN, NEW ELEVATOR TO COMPLY WITH ACCESSIBILITY REQUIREMENTS. THE BUILDING WILL BE FULLY SPRINKLERED AT THE COMPLETION OF WORK. THE BUILDING DOES NOT INCLUDE AN ADDITION. THE PROJECT INCLUDES ALTERATION OF EGRESS PATTERNS & TOILET ROOM COUNTS	
APPLICABLE CODE/S	2025 BUILDING CODE OF NEW YORK STATE 2025 EXISTING BUILDING CODE OF NEW YORK STATE 2025 FIRE CODE OF NEW YORK STATE 2025 MECHANICAL CODE OF NEW YORK STATE 2025 PLUMBING CODE OF NEW YORK STATE 2025 FUEL GAS CODE OF NEW YORK STATE 2025 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE 2016 ASHRAE STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS 2012 NFPA 101 LIFE SAFETY CODE 2017 NFPA 70 NATIONAL ELECTRIC CODE NFPA 13 AUTOMATIC SPRINKLER SYSTEMS NFPA 14 STANDPIPE SYSTEMS NFPA 17 & 17A DRY CHEMICAL EXTINGUISHING AGENT SYSTEMS NFPA 72 NATIONAL FIRE ALARM CODE ICC A117.1-2009	
Item	**Requirement**	**2025 BC-NYS**
Primary Occupancy	**Occupancy Type** **B, A-3 (Lecture halls), Nonseparated per 508.3, Most Restrictive: A-3**	Chp 3
	Special Requirements Based on Use & Occupancy	
Specuial Uses	**None**	Chp 4
	Building Area & Height Limitations Summary (Project values)	
		Chp 5
Building Height Max above Grade	*Type IIB, A Occupancy, Sprinklered: 75' (30'-4")*	Table 504.3
Building Stories Max above Grade	*Type IIB, A-3 Occupancy, Sprinklered: 3 (2)*	Table 504.4
Mezzanines	*None*	505
Building Area per Floor Max	*Type IIB, A-3 Occupancy, Sprinklered SM: 28,500 SF (16,000 SF)*	Table 506.2
Fully Sprinklered Building	*Yes*	
Accessory occupancies	*Yes, S-2 storage*	508.2
Nonseparated occupancies	*B, A-3*	508.3
	Incidental Uses	TABLE 509
Furnace room where any piece of equipment is over 400,000 Btu per hour input	*1 hour or provide automatic sprinkler system*	TABLE 509
Electrical Installations	*2 hour provided*	
	Construction Type	
Building Construction Type	*IIB*	Table 601
	FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)	
Primary structural frame	*0*	Table 601
Bearing walls Exterior	*0*	Table 601
Bearing walls Interior	*0*	Table 601
Nonbearing walls and partitions Exterior	*0 (Existing non-conforming condition at stairs)*	Table 601
Nonbearing walls and partitions Interior	*0*	Table 601
Floor construction and associated secondary members	*0*	Table 601
Roof construction and associated secondary members	*0*	Table 601
	FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE	
X < 5	*0 (Existing non-conforming condition at stairs)*	Table 602
5 ≤ X < 10	*0 (Existing non-conforming condition at stairs)*	Table 602
10 ≤ X < 30	*0*	Table 602
X ≥ 30	*0*	Table 602
Exterior Walls Fire Separation Distance Applicable Exceptions	*Materials installed in accordance with 603.1; Thermal Barriers per 2603.4*	603.1
	Opening Protectives	
Shaft enclosures	*1 hr rated where connecting less than four stories*	713.4
	OPENING FIRE PROTECTION ASSEMBLY RATING	
Fire walls and fire barriers 2 hr	*1 1/2 hr*	table 716.1(1)
Fire walls and fire barriers 1 1/2 hr	*1 1/2 hr*	table 716.1(1)
Fire walls and fire barriers 1 hr	*3/4 hr*	table 716.1(1)
Fire walls and fire barriers 1/2 hr	*1/3 hr*	table 716.1(1)
Vertical opening enclosures 2 hr	*1 1/2 hr*	table 716.1(1)
Horizontal exits in fire walls 4 hr	*3 hr*	table 716.1(1)
Horizontal exits in fire walls 3 hr	*3 hr*	table 716.1(1)
Fire Barriers 1 hr for enclosures for shafts, exit access stairways, exit access ramps, interior exit stairways, interior exit ramps and exit passageway walls	*1 hr*	table 716.1(1)
Other fire barriers 1 hr	*3/4 hr*	table 716.1(1)
Corridor walls 1 hr	*1/3 hr*	table 716.1(1)
Corridor walls 1/2 hr	*1/3 hr*	table 716.1(1)
Other fire partitions 1 hr	*3/4 hr*	table 716.1(1)
Other fire partitions 1/2 hr	*1/3 hr*	table 716.1(1)
Exterior Walls 3 hr	*1 1/2 hr*	table 716.1(1)
Exterior Walls 2 hr	*1 1/2 hr*	table 716.1(1)
Exterior Walls 1 hr	*3/4 hr*	table 716.1(1)
Smoke Barriers 1 hr	*1/3 hr*	table 716.1(1)
Smoke Partitions 1/2 hr	*1/3 hr*	table 716.1(1)
	FIRE WINDOW ASSEMBLY FIRE PROTECTION RATINGS	
Fire walls and fire barriers 3 hr	*3 hr*	Table 716.1(2)
Fire walls and fire barriers 2 hr	*2 hr*	Table 716.1(2)
Fire walls and fire barriers 1 1/2 hr	*1 1/2 hr*	Table 716.1(2)
Incidental use areas (Section 707.3.7) 1 hr Mixed occupancy separations (Section 707.3.9) 1 Hr	*3/4 hr*	Table 716.1(2)
Interior Fire partitions 1 hr	*3/4 hr*	Table 716.1(2)
Interior Fire partitions 1/2 hr	*1/3 hr*	Table 716.1(2)
Interior Smoke barriers 1 hr	*3/4 hr*	Table 716.1(2)
Exterior walls > 1 hr	*1 1/2 hr*	Table 716.1(2)
Exterior walls 1 hr	*3/4 hr*	Table 716.1(2)
Exterior walls 1/2 hr	*1/3 hr*	Table 716.1(2)
Party wall	*Not Permitted*	Table 716.1(2)
	Interior Insulation	
Concealed installation	*Flame spread index of not more than 25 and a smoke-developed index of not more than 450.*	720.2
Exposed installation	*Flame spread index of not more than 25 and a smoke-developed index of not more than 450.*	720.3
	Interior Finishes	
Interior trim other than foam plastic.	*Flame spread shall not exceed 75-developed index per ASTM E 84 or UL 723. Combustible trim, excluding handrails and guardrails, shall not exceed 10% of the specific wall or ceiling area in which it is attached.*	[F] 806.6/2604.2
Suspended Fabrics	*NFPA 701 or max heat release rate of 100 kW per NFPA 289, using the 20 kW ignition source*	[F] 806.4
Interior floor-wall base.	*[Less Than 6 inches Class II unless Class I floor finish is required, the floor-wall base shall be Class I]*	[F] 806.7
	Wall and Ceiling Finishes	
Interior exit stairways, interior exit ramps and exit passageways	*Class B*	TABLE 803.13
Corridors and enclosure for exit access stairways and exit access ramps	*B use =Class B, use A3=Class C*	TABLE 803.13
Rooms and enclosed spaces	*Class C*	TABLE 803.13
	Floor Finishes	
Floor Test requirement	*DOC FF-1 or with ASTM D 2859*	804.4.1
Minimum critical radiant flux for enclosures for stairways and ramps, exit passageways, corridors and rooms or spaces not separated from corridors	*Class II*	804.4.2
	Means Of Egress	
Ceiling height	*Not less than 7 feet 6 inches*	1003.2
Horizontal projections	*Objects between 27 inches and 80 inches above the floor shall not project horizontally more than 4 inches into the circulation path* *Exception: Handrails are permitted to protrude 4 1/2 inches from the wall*	1003.3.3
Clear width	*Protruding objects shall not reduce the minimum clear width of accessible routes.*	1003.3.4
	Occupant Load & Egress Sizing	
Accessory storage areas, mechanical equipment room	*300 gross*	TABLE 1004.5
Assembly without fixed seats Concentrated	*7 net*	TABLE 1004.5
Assembly without fixed seats Standing space	*5 net*	TABLE 1004.5
Assembly without fixed seats Unconcentrated (tables and chairs)	*15 net*	TABLE 1004.5
Business areas	*150 gross*	TABLE 1004.5
Day care	*35 net*	TABLE 1004.5
Educational Classroom area	*20 net*	TABLE 1004.5
Educational Shops and other vocational room area	*50 net*	TABLE 1004.5
Exercise rooms	*50 gross*	TABLE 1004.5
		TABLE 1004.5
Institutional Inpatient treatment areas	*240 gross*	TABLE 1004.5
Institutional Outpatient areas	*100 gross*	TABLE 1004.5
Institutional Sleeping areas	*120 gross*	TABLE 1004.5
Kitchens, commercial	*200 gross*	TABLE 1004.5
Locker rooms	*50 gross*	TABLE 1004.5
Mercantile	*60 gross*	TABLE 1004.5
Mercantile Storage, stock, shipping areas	*300 gross*	TABLE 1004.5
Parking garages	*200 gross*	TABLE 1004.5
Warehouses	*500 gross*	TABLE 1004.5
Means of egress Capacity - Stairs	*0.2 inch per occupant*	1005.3.1
Means of egress Capacity - Other Elements	*0.15 inch per occupant*	1005.3.2
Doors Encroachment	*Fully opened shall not reduce the required width by more than 7 inches.* *Doors in any position shall not reduce the required width by more than one-half.*	1005.7.1
	exist	
Number of Required Exits Per Story	*2*	TABLE 1006.3.3
Exit Remoteness	*[1/2 the max overall diagonal dimension of the building or area to be served]* *If Sprinklered [1/3 the max overall diagonal dimension of the building or area to be served]*	1007.1.1
	Accessible Means of Egress	
Accessible means of egress required	*Accessible spaces shall be provided with not less than one accessible means of egress. Where more than one means of egress are required not less than two accessible means of egress provided*	1009.1.1
Accessible Elevators	*One accessible means of egress elevator provided*	1009.2.1
Accessible Stairways Clear Area of Refuge	*[Area of Refuge in stairways is not required, Buildings is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.]*	1009.3.5
Accessible Stairways Clear Handrail	*[Clear width of 48 inches between handrails is not required, Buildings is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.]*	1009.3.2
Accessible Elevator Area of Refuge	*Areas of refuge not required, building is equipped throughout with an automatic sprinkler system installed in accordance with Section903.3.1.1 or 903.3.1.2.*	1009.4.2
Accessible Two-way communication	*Two-way communication system required at each elevator or bank of elevators on each accessible floor*	1009.8
Elevator Lobby Size	*N/A*	3008.6.4
	Stairways, Ramps, and Elevators	
Stair Minimum Width	*44" minimum width, 36" minimum width when serving an occupant load of less than 50*	1011.2
Stair/Ramp Minimum Headroom.	*80 inches minimum measured vertically from a line connecting the edge of the nosings*	1011.3 & 1012.5.2
Stairway Vertical Rise	*A flight of stairs shall not have a vertical rise greater than 12 feet between floor levels or landings.*	1011.8
Stairway landings	*Located at the top and bottom of each stairway with a width not less than the width of stairways served. Where the stairway has a straight run the depth need not exceed 48 inches.*	1011.6
Stairway landing Doors	*Doors opening onto a landing shall not reduce the landing to less than 1/2 the required width. When fully open, the door shall not project more than 7 inches into a landing*	1011.6
Stairway to roof	*In buildings four or more stories above grade plane, one stairway shall extend to the roof surface unless the roof has a slope steeper than four units vertical in 12 units horizontal*	1011.12
Interior Stair/ramp Enclosures	*for stairs connecting 4 or more stories [Enclosures to be 2 hr fire barriers]* *for stairs connecting 3 or less stories [Enclosures to be 1 hr fire barriers]*	1023.2
Egress Ramp Slope	*Max slope not steeper than 1 unit vertical in 12 units horizontal (8-percent slope)*	1012.2
Ramp Cross Slope	*The slope measured perpendicular to the direction of travel of a ramp shall not be steeper than one unit vertical in 48 units horizontal (2-percent slope).*	1012.3
Ramp Vertical rise.	*The rise for any ramp run shall be 30 inches maximum.*	1012.4
Ramp Width and capacity	*Minimum width and required capacity of a means of egress ramp shall be not less than that required for corridors by Section 1020.2. The clear width of a ramp between handrails, if provided, or other permissible projections shall be 36 inches minimum.*	1012.5.1
Ramp Landings	*Ramps shall have landings at the bottom and top of each ramp, points of turning, entrance, exits and at doors.*	1012.6
Ramp Landing Slope.	*Landings shall have a slope not steeper than one unit vertical in 48 units horizontal (2-percent slope) in any direction. Changes in level are not permitted*	1012.6.1
Ramp Landing Width.	*not less than the width of the widest ramp run adjoining the landing.*	1012.6.2
Ramp Landing Length	*60 inches minimum.*	1012.6.3
Ramp Landing Change in direction.	*Where changes in direction of travel occur at landings provided between ramp runs, the landing shall be 60 inches by 60 inches minimum.*	1012.6.4
Handrail Height	*Between 34 inches and not more than 38 inches*	1014.2
Handrail extensions	*Where handrails are not continuous between flights, the handrails shall extend horizontally not less than 12 inches beyond the top riser and continue to slope for the depth of one tread beyond the bottom riser. At ramps where handrails are not continuous between runs, the handrails shall extend horizontally above the landing 12 inches minimum beyond the top and bottom of ramp runs.*	1014.6
Handrail Clearance	*Clear space between a handrail and a wall or other surface shall be not less than 11/2 inches*	1014.7
Guardrail Locations	*Located along open-sided walking surfaces more than 30 inches measured vertically to the floor or grade below at any point within 36 inches horizontally to the edge of the open side.*	1015.2
Guardrail Height	*42 inches minimum*	1015.3
Guardrail Opening limitations	*No openings that allow passage of a sphere 4 inches in diameter*	1015.4
Glass In Handrails And Guards	*N/A*	2407.1
Glass Handrails And Guards Support	*N/A*	2407.1.2
Glass Handrails And Guards In Parking Garages	*Glazing materials shall not be installed in handrails or guards in parking garages except for pedestrian areas not exposed to impact from vehicles.*	2407.1.3
Rooftop Guard requirements	*Guards are provided where various components that require service are located within 10 feet of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches above the floor, roof or grade below. The guard shall extend not less than 30 inches beyond each end of such components. The guard shall be constructed so as to prevent the passage of a sphere 21 inches in diameter.* *[Exception: Guards are not required, permanent fall arrest/restraint anchorage connector devices complying with ANSI/ASSE Z 359.1 are provided not more than 10 feet on center along hip and ridge lines and placed not less than 10 feet from the roof edge or open side of the walking surface]*	1015.6 & 1015.7
Egress through enclosed elevator lobby	*Exit access through an enclosed elevator lobby is permitted. Access to not less than one of the required exits shall be provided without travel through the enclosed elevator lobbies.*	1016.2
	Travel distances	
Travel Distance to Exit	*A-3= 250 feet, B= 300feet*	TABLE 1017.2
Common Path of Travel	*A-3= 75 feet, B= 100feet*	TABLE 1006.2.1
Dead end Corridor	*B= 50feet max.*	1020.5
Minimum corridor Width	*44 inches*	TABLE 1020.3
Corridor Construction & Rating	*0*	TABLE 1020.2
	Egress Elements	
Exit Passageway Width	*44" Minimum width*	1024.2
Exit Passageway Construction	*1 hr minimum fire barriers of walls, floors and ceilings, and not less than that required for any connecting interior exit stairway or ramp*	1024.3
Exit Passageway Termination	*Exit passageways on the level of exit discharge shall terminate at an exit discharge. Exit passageways on other levels shall terminate at an exit.*	1024.4
Horizontal exits	*A horizontal exit shall not serve as the only exit from a portion of a building or not more than 1/2 of the total number of exits, total exit minimum width or required capacity*	1026.1
Horizontal exits separation	*2 hr minimum fire-resistance. The horizontal exit separation shall extend vertically through all levels of the building unless floor assemblies have a fire-resistance rating of not less than 2 hours with no unprotected openings. Horizontal exits constructed as fire barriers shall be continuous from exterior wall to exterior wall so as to divide completely the floor served by the horizontal exit.*	1026.2
Horizontal exits capacity	*Net floor area allowance of 3 square feet for each occupant*	1026.4.1
Exit Discharge	*Exits shall discharge directly to the exterior of the building*	1028.1
Exit Discharge Access to Public Way	*Exits dischagre to a direct and unobstructed access to a public way*	1028.5
Exit Discharge not directly to exterior areas	*N/A*	1028.1.1 & 1028.1.2
Exit discharge width or capacity.	*The minimum width or required capacity of the exit discharge is equal to or exceeds the minimum width or required capacity of the exits being served.*	1028.3
	Accessibility Scope requirements	
Accessible Sinks	*5% minimum (no less than 1) accessible sinks where sinks are provided*	1110.3
Drinking Fountains	*No fewer than two drinking fountains shall be provided with One compling with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.*	1110.7
Storage	*5% of fixed or built-in storage elements but not less than one of each type shall be accessible. The same storage elements as provided in the similar nonaccessible facilities and spaces.*	1110.11

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IN CHARGE OF WAN LEUNG
CHECKED BY GORHAM HOM
MADE BY ERIC KLINGLER

Revision	Date	Description

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

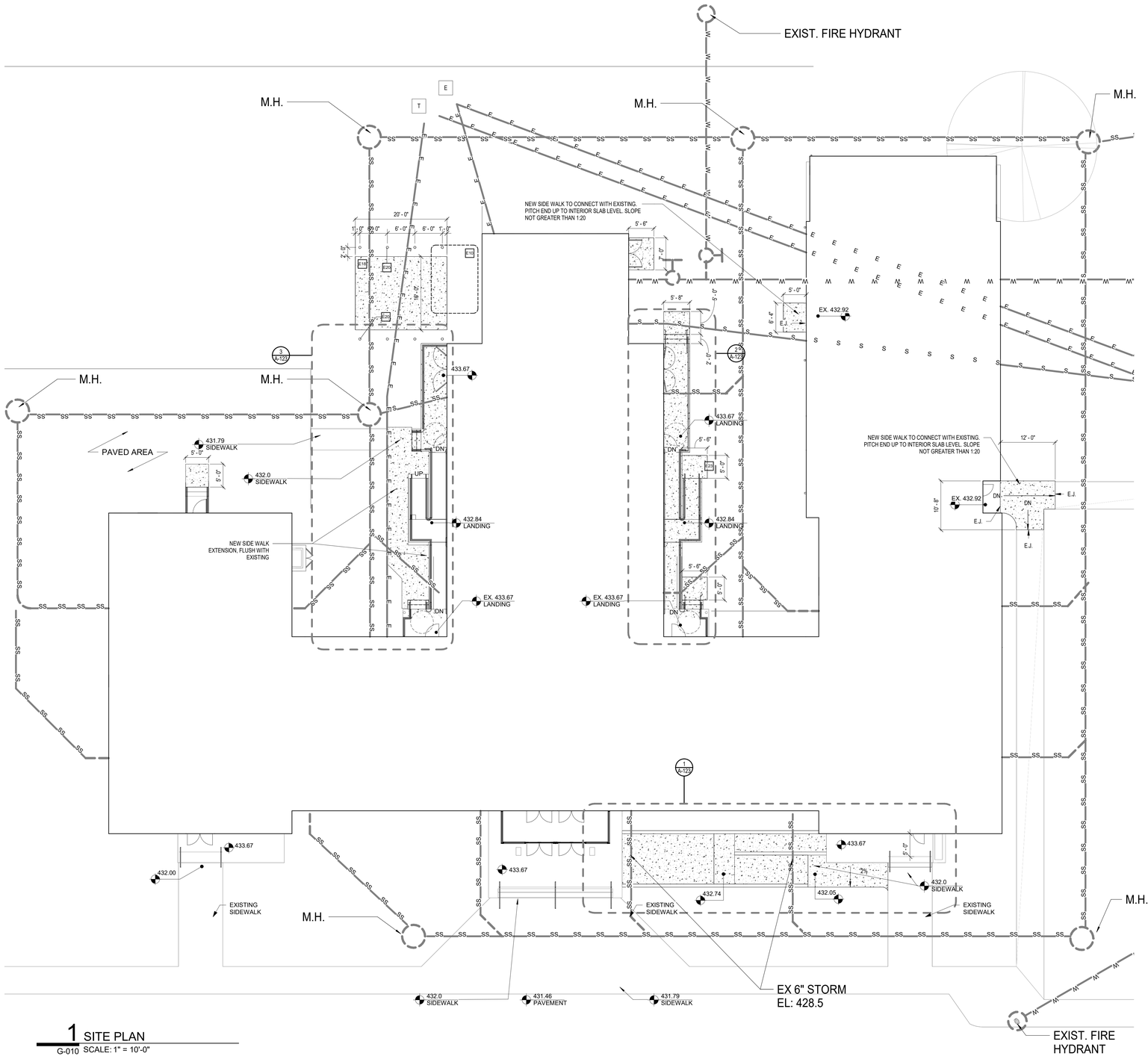
PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

CODE REVIEW

CONTRACT NUMBER: 25-532
SHEET NUMBER: G-005
SHEET 6 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-G-378-0
REV NO.: 0



1 SITE PLAN
G-010 SCALE: 1" = 10'-0"

SITE PLAN LEGEND

- ELECTRIC LINE
- WATER LINE
- RECLAIMED WATER LINE
- SEWAGE LINE
- STORM SEWERAGE LINE
- EXISTING LAWN
- NEW CONCRETE PAVER/PAD
- XX'-XX" SIDEWALK — FINISH GRADE
- M.H. — MANHOLE
- T / E — ELECTRIC MANHOLE
- LINE VALVE

KEYNOTES

Note	Description
E10	AREA OF EXCAVATION FOR DUCT BANK, SEE E DWGS. PROVIDE SHORING AT ADJACENT STRUCTURES, FOOTINGS
E18	8" THICK CONCRETE PAD ON GRADE FOR SCHEDULED GENERATOR. SEE S DWGS.
E20	ASTM F3016 LOW-SPEED CRASH-RATED BOLLARD
E23	EXISTING GRADE TO BE MODIFIED TO MEET RAMP LANDING

SITE NOTES:

INFORMATION WITHIN IS BASED IN BEST AVAILABLE EXISTING DOCUMENTS AND IT IS PROVIDED FOR REFERENCE. CONDITIONS ON THE FIELD MAY HAVE CHANGED OVER TIME. CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY AND ALL UTILITIES IN THE VICINITY FOR ANY EXCAVATION, CONTRACTOR IS RESPONSIBLE FOR CONTACTING UDig NY (UDig NY: https://udigny.org, 811 or 800-962-7962) PRIOR TO WORK.

SITE IMPROVEMENTS ARE LIMITED TO AREAS DISTURBED BY NEW RAMPS, LANDINGS, AND SIDEWALKS. EXISTING SITE DRAINAGE PATTERNS ARE TO REMAIN UNCHANGED UNLESS NOTED OTHERWISE.

CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING AND SHALL NOT CREATE PONDING CONDITIONS.

EXISTING ELEVATIONS AND UTILITY LOCATIONS ARE BASED ON AVAILABLE RECORD DRAWINGS. CONTRACTOR SHALL FIELD VERIFY CRITICAL ELEVATIONS PRIOR TO CONSTRUCTION

EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH ICC A117.1 AND ADA REQUIREMENTS FOR RUNNING SLOPE, CROSS SLOPE, AND LANDINGS.

CONTRACTOR SHALL PROVIDE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED BY LOCAL AUTHORITY.

PROJECT DOES NOT INCLUDE NEW STORMWATER MANAGEMENT SYSTEMS OR RELOCATION OF EXISTING UTILITIES UNLESS NOTED.

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ARCHITECTURAL SITE IMPROVEMENT PLAN

CONTRACT NUMBER: 25-532
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SHEET 7 of 162
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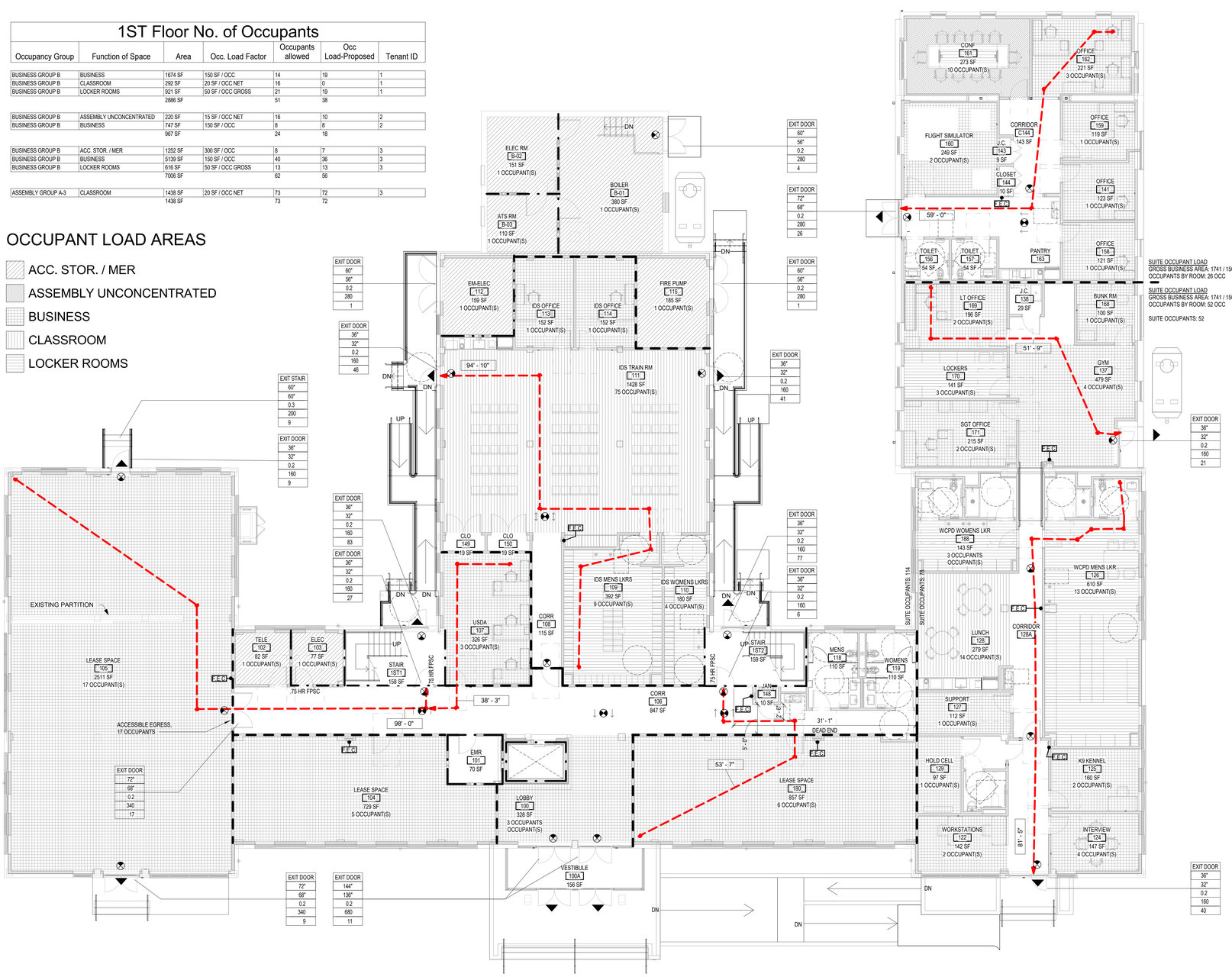
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1ST Floor No. of Occupants

Occupancy Group	Function of Space	Area	Occ. Load Factor	Occupants allowed	Occ Load-Proposed	Tenant ID
BUSINESS GROUP B	BUSINESS	1674 SF	150 SF / OCC	14	19	1
BUSINESS GROUP B	CLASSROOM	292 SF	20 SF / OCC NET	16	0	1
BUSINESS GROUP B	LOCKER ROOMS	921 SF	50 SF / OCC GROSS	21	19	1
		2886 SF		51	38	
BUSINESS GROUP B	ASSEMBLY UNCONCENTRATED	220 SF	15 SF / OCC NET	16	10	2
BUSINESS GROUP B	BUSINESS	747 SF	150 SF / OCC	8	8	2
		967 SF		24	18	
BUSINESS GROUP B	ACC. STOR. / MER	1252 SF	300 SF / OCC	8	7	3
BUSINESS GROUP B	BUSINESS	5139 SF	150 SF / OCC	40	36	3
BUSINESS GROUP B	LOCKER ROOMS	616 SF	50 SF / OCC GROSS	13	13	3
		7006 SF		62	56	
ASSEMBLY GROUP A-3	CLASSROOM	1438 SF	20 SF / OCC NET	73	72	3
		1438 SF		73	72	

OCCUPANT LOAD AREAS

- ACC. STOR. / MER
- ASSEMBLY UNCONCENTRATED
- BUSINESS
- CLASSROOM
- LOCKER ROOMS



CODE PLAN LEGEND

- 1 HOUR FIRE-RESISTIVE CONSTRUCTION
- 2 HOUR FIRE-RESISTIVE CONSTRUCTION
- TENANT SEPARATION
- 169' - 6" PATH OF TRAVEL
- COMMON PATH OF TRAVEL
- EXIT SIGN - DIRECTION PER CEILING PLANS
- FEC FIRE EXTINGUISHER CABINET
- BUILDING EXIT
- XX NO. OF OCCUPANTS

EXIT DOOR	
60"	EXIT TYPE
56"	CLEAR WIDTH
0.2	MIN. WIDTH
280	WIDTH MULTIPLIER
3	EXIT CAPACITY (MAX.#OCCUPANTS)
	ACTUAL OCCUPANT LOAD

BUILDING CODE ANALYSIS

PROJECT DESCRIPTION / ANALYSIS:
WORK INVOLVES THE ALTERATION OF ALL AREAS.
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EXISTING STAIRS TO REMAIN, NEW ELEVATOR TO COMPLY WITH ACCESSIBILITY REQUIREMENTS.
THE BUILDING WILL BE FULLY SPRINKLERED AT THE COMPLETION OF WORK.
THE BUILDING DOES NOT INCLUDE AN ADDITION.
SHAFTS REQUIRE 1 HOUR SEPARATION; HV ELECTRICAL ROOMS REQUIRE 2 HR SEPARATION
THE PROJECT INCLUDES ALTERATION OF EGRESS PATTERNS & TOILET ROOM COUNTS

APPLICABLE CODES:
2025 BUILDING CODE OF NEW YORK STATE
2025 EXISTING BUILDING CODE OF NEW YORK STATE
2025 FIRE CODE OF NEW YORK STATE
2025 MECHANICAL CODE OF NEW YORK STATE
2025 PLUMBING CODE OF NEW YORK STATE
2025 FUEL GAS CODE OF NEW YORK STATE
2025 NEW YORK STATE STRETCH ENERGY CODE WITH OVERLAY TO:
2016 ASHRAE STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS
2012 NFPA 101 LIFE SAFETY CODE
2017 NFPA 70 NATIONAL ELECTRIC CODE
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS
NFPA 14 STANDPIPE SYSTEMS
NFPA 17 & 17A DRY CHEMICAL EXTINGUISHING AND WET CHEMICAL SYSTEMS
NFPA 72 NATIONAL FIRE ALARM CODE
ICC A117.1-2009

AUTHORITIES HAVING JURISDICTION:
TOWN OF NORTH CASTLE, NY

BUILDING SUMMARY:

TOTAL BUILDING AREA:	22,851 SF
BUILDING HEIGHT:	50 FT TO TOP OF CHIMNEY, WILL BE REDUCED TO 46FT
NUMBER OF STORIES:	2 STORY EXISTING BUILDING - NO CHANGE
CONSTRUCTION CLASSIFICATION:	TYPE IIB
METHOD OF COMPLIANCE:	PRESCRIPTIVE
FIRE PROTECTION:	FULLY SPRINKLERED BUILDING
OCCUPANCIES:	GROUP B AND A-3 - NO CHANGE
SEPARATION OF OCCUPANCIES:	NONSEPARATED

FIRE RESISTIVE RATINGS: NYS BC TABLE 601

i.	STRUCTURAL FRAME:	0 HOURS	
ii.	BEARING WALLS:	0	
iii.	FLOORS:	0 HOURS	
iv.	ROOF:	0 HOURS	
v.	NON-LOADING B'G WALLS:	0 HOUR	
vi.	CORRIDORS:	0 HOUR	NYS BC TABLE 1020.1

EXITS TO GRADE: 12

ENERGY COMPLIANCE PATH: ASHRAE 90.1, CLIMATE ZONE 4

NYS EXISTING BUILDING CODE:
WORK CLASSIFICATION: ALTERATION LEVEL 3 OF ENTIRE BUILDING (NO CHANGE OF USE)

ACCESSIBILITY:
THE EXISTING BUILDING ACCESSIBILITY SHALL NOT BE DIMINISHED.

NEW TOILET FIXTURES, PARTITIONS, AND HARDWARE SHALL COMPLY WITH CODE.

MEANS OF EGRESS:
1005.3 MAXIMUM PERMITTED OCCUPANT LOAD BASED ON EXISTING AVAILABLE EGRESS WIDTHS

EXISTING EGRESS WIDTHS:
DOORS: 32" CLEAR MIN.
(2 x 32") = 64" / 0.2" = 320 OCCUPANTS

STAIRS: 44" CLEAR MIN.
(2 x 49.5") = 99" / 0.3" = 330 OCCUPANTS

MAXIMUM AVAILABLE 2ND FL CAPACITY: 320 OCCUPANTS

NYS BC TABLE 1006.2.1 COMMON PATH OF EGRESS TRAVEL: B USE: 100' A USE: 75'
NYS BC TABLE 1017.2 MAXIMUM TRAVEL DISTANCE TO EXIT ACCESS B USE: 300' A USE: 250'
NYS BC TABLE 1020.2 0HR FIRE RESISTANCE RATED CORRIDORS IN FULLY SPRINKLERED A AND B OCCUPANCIES
NYS BC 1020.5, EX2 MAXIMUM 50' DEAD END CORRIDOR IN FULLY SPRINKLERED BUILDING

INTERIOR FINISHES:

WALLS AND CEILINGS	
Exit stairs	Class B
Corridors	Class B
Offices & Assembly	Class C
FLOORS	
Exit enclosures and exit passageways	Class I
Exit access corridors	Class I
Other spaces	Class II

THERMAL ENVELOPE INSULATION VALUES:
CLIMATE ZONE 4
NYS STRETCH ENERGY CODE AMENDMENTS TO ECCCNYS TABLE C402.1.3:

INSULATION ENTIRELY ABOVE ROOF DECK	R-33 CONT. INSULATION / U<0.030 ASSEMBLY
ATTIC INSULATION	R-53 / U<0.020 ASSEMBLY
MASS WALLS ABOVE GRADE	R-11.4 CONT. INSULATION / U<0.090 ASSEMBLY

4 1ST FLOOR LIFE SAFETY PLAN
G-101 SCALE: 1/8" = 1'-0"

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☐ AS BUILT - CHANGES AS NOTED
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CONTRACTOR
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TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

1ST FLOOR LIFE SAFETY PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: G-101
SHEET 8 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-G-380-0
REV NO.: 0

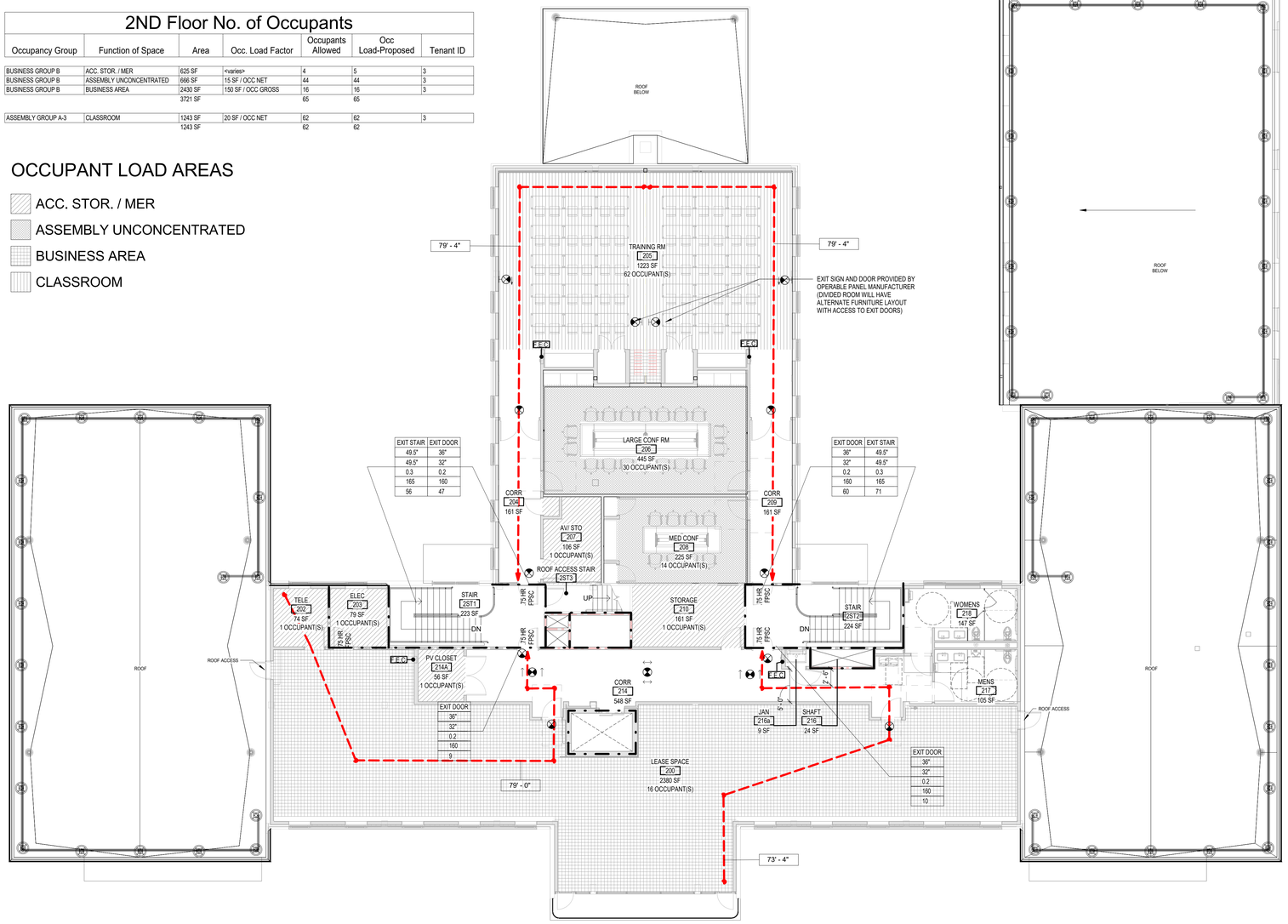
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2ND Floor No. of Occupants

Occupancy Group	Function of Space	Area	Occ. Load Factor	Occupants Allowed	Occ Load-Proposed	Tenant ID
BUSINESS GROUP B	ACC. STOR. / MER	625 SF	<varies>	4	5	3
BUSINESS GROUP B	ASSEMBLY UNCONCENTRATED	666 SF	15 SF / OCC NET	44	44	3
BUSINESS GROUP B	BUSINESS AREA	2430 SF	150 SF / OCC GROSS	16	16	3
		3721 SF		65	65	
ASSEMBLY GROUP A-3	CLASSROOM	1243 SF	20 SF / OCC NET	62	62	3
		1243 SF		62	62	

OCCUPANT LOAD AREAS

- ACC. STOR. / MER
- ASSEMBLY UNCONCENTRATED
- BUSINESS AREA
- CLASSROOM



1 2ND FLOOR LIFE SAFETY PLAN
G-102 SCALE: 1/8" = 1'-0"

CODE PLAN LEGEND

- 1 HOUR FIRE-RESISTIVE CONSTRUCTION
- 2 HOUR FIRE-RESISTIVE CONSTRUCTION
- TENANT SEPARATION
- 169' - 6" PATH OF TRAVEL
- COMMON PATH OF TRAVEL
- EXIT SIGN - DIRECTION PER CEILING PLANS
- FEC FIRE EXTINGUISHER CABINET
- BUILDING EXIT
- XX NO. OF OCCUPANTS

EXIT DOOR	EXIT TYPE
60"	CLEAR WIDTH
56"	MIN. WIDTH
0.2	WIDTH MULTIPLIER
280	EXIT CAPACITY (MAX.#OCCUPANTS)
3	ACTUAL OCCUPANT LOAD

BUILDING CODE ANALYSIS

PROJECT DESCRIPTION / ANALYSIS:
WORK INVOLVES THE ALTERATION OF ALL AREAS.
THE BUILDING IS NOT CERTIFIED AS ELIGIBLE FOR LISTING AS AN HISTORIC BUILDING.
EXISTING STAIRS TO REMAIN. NEW ELEVATOR TO COMPLY WITH ACCESSIBILITY REQUIREMENTS.
THE BUILDING WILL BE FULLY SPRINKLERED AT THE COMPLETION OF WORK.
THE BUILDING DOES NOT INCLUDE AN ADDITION.
SHAFTS REQUIRE 1 HOUR SEPARATION; HV ELECTRICAL ROOMS REQUIRE 2 HR SEPARATION
THE PROJECT INCLUDES ALTERATION OF EGRESS PATTERNS & TOILET ROOM COUNTS

APPLICABLE CODES:
2025 BUILDING CODE OF NEW YORK STATE
2025 EXISTING BUILDING CODE OF NEW YORK STATE
2025 FIRE CODE OF NEW YORK STATE
2025 MECHANICAL CODE OF NEW YORK STATE
2025 PLUMBING CODE OF NEW YORK STATE
2025 FUEL GAS CODE OF NEW YORK STATE
2025 NEW YORK STATE STRETCH ENERGY CODE WITH OVERLAY TO:
2016 ASHRAE STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS
2012 NFPA 101 LIFE SAFETY CODE
2017 NFPA 70 NATIONAL ELECTRIC CODE
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS
NFPA 14 STANDPIPE SYSTEMS
NFPA 17 & 17A DRY CHEMICAL EXTINGUISHING AND WET CHEMICAL SYSTEMS
NFPA 72 NATIONAL FIRE ALARM CODE
ICC A117.1-2009

AUTHORITIES HAVING JURISDICTION:
TOWN OF NORTH CASTLE, NY

BUILDING SUMMARY:
TOTAL BUILDING AREA: 22,851 SF

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NUMBER OF STORIES: 2 STORY EXISTING BUILDING - NO CHANGE
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iv. ROOF: 0 HOURS
v. NON-LOADING B'G WALLS: 0 HOUR
vi. CORRIDORS: 0 HOUR NYS BC TABLE 1020.1

EXITS TO GRADE: 12

ENERGY COMPLIANCE PATH: ASHRAE 90.1, CLIMATE ZONE 4

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THE EXISTING BUILDING ACCESSIBILITY SHALL NOT BE DIMINISHED.

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1005.3 MAXIMUM PERMITTED OCCUPANT LOAD BASED ON EXISTING AVAILABLE EGRESS WIDTHS

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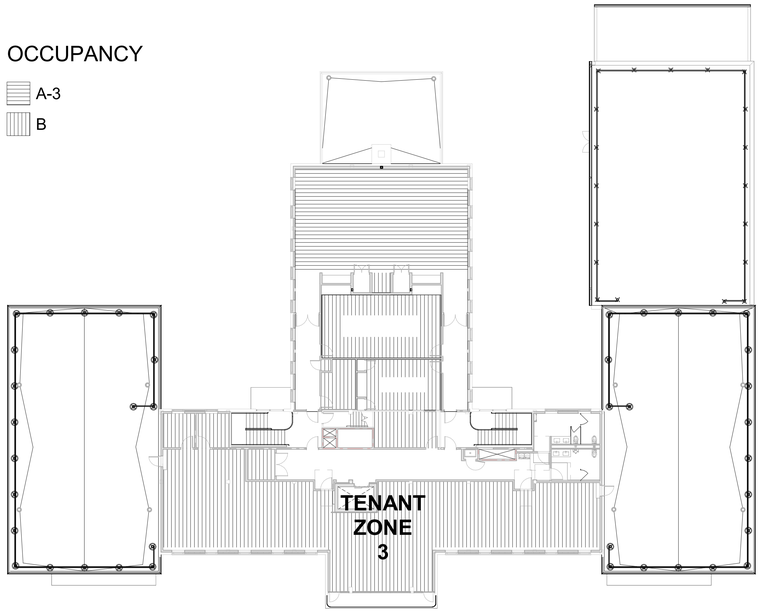
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2ND FLOOR LIFE SAFETY PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: G-102
SHEET 9 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-G-381-0
REV NO.: 0



2 2ND FLOOR PLUMBING ZONES
G-103 SCALE: 1/16" = 1'-0"

PLUMBING FIXTURES

TENANT ZONE	OCCUPANCY CLASSIFICATION	OCCUPANT LOAD			WATER CLOSETS (REQUIRED FOR 50: 1 PER 25 FOR FIRST 50, 1 PER 50 FOR REMAINDER)		LAVATORIES (FOR 50: 1 per 200 FOR 51 - 150: 1 PER 40 FOR FIRST 80, 1 PER 80 FOR REMAINDER)		DRINKING FOUNTAIN (FOR 40: 1 per 500 FOR 81: 1 per 100)		SERVICE SINK (FOR 30: 1 req'd FOR 31: 1 req'd)	
		TOTAL	MEN	WOMEN	REQUIRED	PROVIDED*	REQUIRED	PROVIDED	REQUIRED	PROVIDED*	REQUIRED	PROVIDED
ZONE 1	B	61	31	31	M: 2 W: 2	3 TOTAL	M: 2 W: 2	3 TOTAL	0.44	2	1	1
	A3	0	0	0								
ZONE 2	B	26	13	13		2 TOTAL		2 TOTAL	0.12	2	1	1
	A3	0	0	0								
ZONE 3*	B	123	62	63	M: 3 W: 3	5 TOTAL	M: 2 W: 2	5 TOTAL	1.06	2	2	2
	A3	134	68	67	M: 1 W: 2	3 TOTAL	M: 2 W: 2	3 TOTAL	0.43	2		

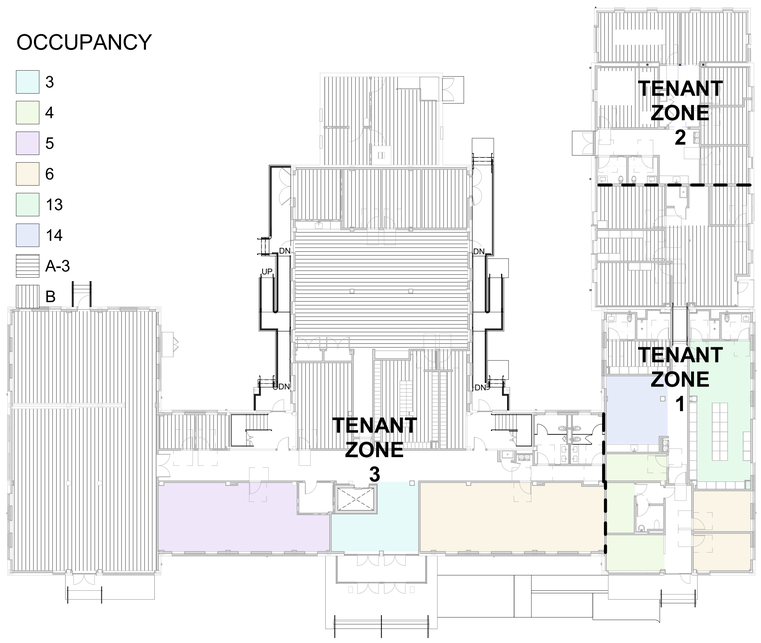
*NOTES:
1. PER NYS PLUMBING CODE 403.1.1: "THE TOTAL NUMBER OF FIXTURES SHALL BE PERMITTED TO BE BASED ON ANY COMBINATION OF SINGLE-USER, MULTI-USER AND SEPARATE FACILITIES."
2. PER NYS PLUMBING CODE 403.3.3: "... THE REQUIRED PUBLIC AND EMPLOYEE TOILET FACILITY SHALL BE LOCATED NOT MORE THAN ONE STORY ABOVE OR BELOW THE SPACE REQUIRED TO BE PROVIDED WITH TOILET FACILITIES, AND THE PATH OF TRAVEL TO SUCH FACILITIES SHALL NOT EXCEED A DISTANCE OF 500 FEET."
3. PER NYS PLUMBING CODE 410.4 "...WATER DISPENSERS SHALL BE PERMITTED TO BE SUBSTITUTED FOR NOT MORE THAN 50 PERCENT OF THE REQUIRED NUMBER OF DRINKING FOUNTAINS
4. PER NYS PLUMBING CODE 403.2.4: "SEPARATE FACILITIES SHALL NOT BE REQUIRED IN BUSINESS OCCUPANCIES IN WHICH THE MAXIMUM OCCUPANT LOAD IS 25 OR FEWER."
5. PER NYS PLUMBING CODE 410.2: "DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF 15 OR FEWER." (ALSO NYSBC 2902.6)
6. PER NYS BUILDING CODE TABLE 2902.1.e "FOR BUSINESS OR MERCANTILE CLASSIFICATIONS WITH AN OCCUPANT LOAD OF 15 OR FEWER, A SERVICE SINK SHALL NOT BE REQUIRED."

1ST Floor No. of Occupants

Occupancy Group	Function of Space	Area	Occ. Load Factor	Occupants allowed	Occ Load-Proposed	Tenant ID
BUSINESS GROUP B	BUSINESS	1674 SF	150 SF / OCC	14	19	1
BUSINESS GROUP B	CLASSROOM	292 SF	20 SF / OCC NET	16	0	1
BUSINESS GROUP B	LOCKER ROOMS	921 SF	50 SF / OCC GROSS	21	19	1
		2886 SF		51	38	
BUSINESS GROUP B	ASSEMBLY UNCONCENTRATED	220 SF	15 SF / OCC NET	16	10	2
BUSINESS GROUP B	BUSINESS	747 SF	150 SF / OCC	8	8	2
		967 SF		24	18	
BUSINESS GROUP B	ACC. STOR. / MER	1252 SF	300 SF / OCC	8	7	3
BUSINESS GROUP B	BUSINESS	5139 SF	150 SF / OCC	40	36	3
BUSINESS GROUP B	LOCKER ROOMS	616 SF	50 SF / OCC GROSS	13	13	3
		7006 SF		62	56	
ASSEMBLY GROUP A-3	CLASSROOM	1438 SF	20 SF / OCC NET	73	72	3
		1438 SF		73	72	

2ND Floor No. of Occupants

Occupancy Group	Function of Space	Area	Occ. Load Factor	Occupants Allowed	Occ Load-Proposed	Tenant ID
BUSINESS GROUP B	ACC. STOR. / MER	625 SF	<varies>	4	5	3
BUSINESS GROUP B	ASSEMBLY UNCONCENTRATED	666 SF	15 SF / OCC NET	44	44	3
BUSINESS GROUP B	BUSINESS AREA	2430 SF	150 SF / OCC GROSS	16	16	3
		3721 SF		65	65	
ASSEMBLY GROUP A-3	CLASSROOM	1243 SF	20 SF / OCC NET	62	62	3
		1243 SF		62	62	



1 1ST FLOOR PLUMBING ZONES
G-103 SCALE: 1/16" = 1'-0"

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PLUMBING FIXTURE ANALYSIS

CONTRACT NUMBER 25-532
SHEET NUMBER G-103
SHEET 10 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-G-382-0
REV NO. 0

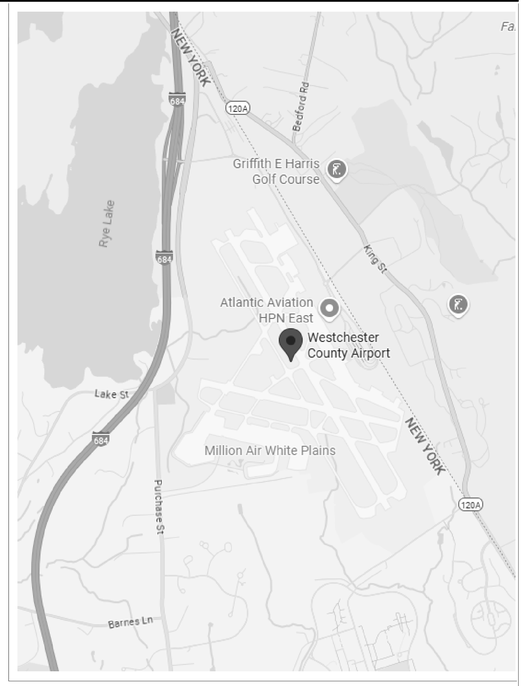


WESTCHESTER COUNTY

WESTCHESTER COUNTY

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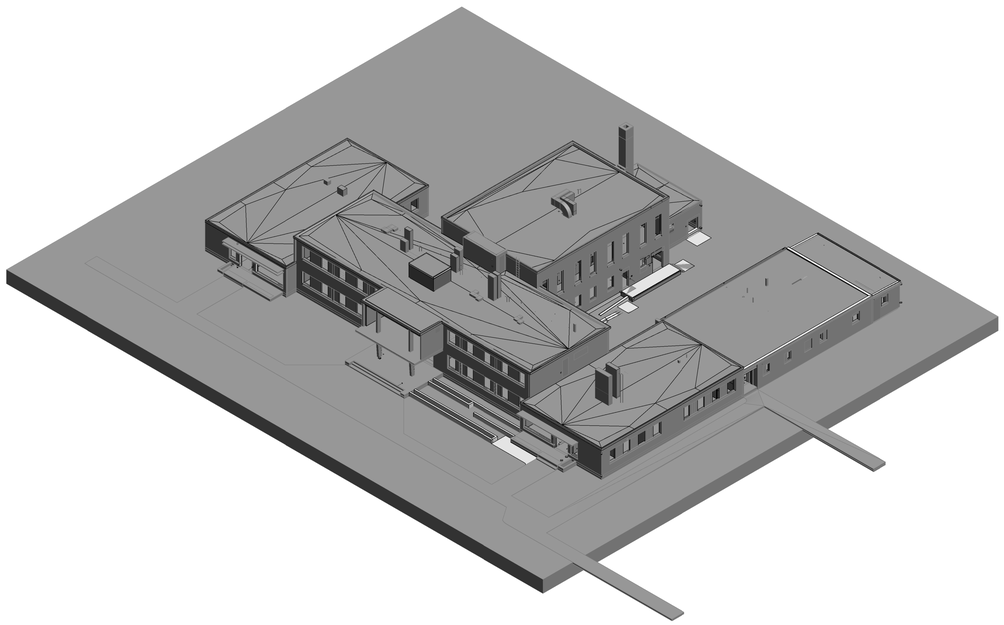
WCE-HPN RENOVATION



LOCATION MAP
SCALE: N.T.S.

WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON AND NORTH CASTLE AND
VILLAGE OF RYE BROOK, NEW YORK

LERA - STRUCTURAL DRAWING LIST		
SHEET NO	NAME	DPW File No.
S-000	COVER SHEET	48-08-S-383-0
S-001	STRUCTURAL NOTES	48-08-S-384-0
SD-101	1ST FLOOR - STRUCTURAL DEMOLITION PLAN	48-08-S-398-0
S-002	STRUCTURAL NOTES	48-08-S-385-0
S-101	1ST FLOOR - STRUCTURAL PLAN	48-08-S-386-0
S-102	2ND FLOOR - STRUCTURAL PLAN	48-08-S-387-0
S-104	ROOF STRUCTURAL PLAN	48-08-S-388-0
S-300	SECTIONS AND DETAILS	48-08-S-389-0
S-301	SECTIONS AND DETAILS	48-08-S-390-0
S-400	TYPICAL DETAILS	48-08-S-391-0
S-401	TYPICAL DETAILS	48-08-S-392-0
S-500	SECTIONS AND DETAILS	48-08-S-393-0
S-501	SECTIONS AND DETAILS	48-08-S-394-0
S-502	SECTIONS AND DETAILS	48-08-S-395-0
S-503	SECTIONS AND DETAILS	48-08-S-396-0
S-504	SECTIONS AND DETAILS	48-08-S-397-0
FR-001	GENERAL NOTES	48-08-FR-399-0
FR-002	FACADE RESTORATION DESIGN CRITERIA	48-08-FR-400-0
FR-200	FACADE ASSESSMENT BUILDING ELEVATIONS	48-08-FR-401-0
FR-201	FACADE ASSESSMENT BUILDING ELEVATIONS	48-08-FR-402-0
FR-202	FACADE WALL SECTIONS	48-08-FR-403-0
FR-500	FACADE WALL SECTIONS AND DETAILS	48-08-FR-404-0
FR-501	FACADE WALL SECTIONS AND DETAILS	48-08-FR-405-0
FR-502	SECTIONS AND DETAILS	48-08-FR-406-0
FR-503	SECTIONS AND DETAILS	48-08-FR-407-0
FR-504	FACADE WALL SECTIONS AND DETAILS	48-08-FR-408-0



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IN CHARGE OF LERA
CHECKED BY LERA
MADE BY LERA

RECOMMENDED FOR DESIGN
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ASSOCIATE ENGINEER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

RECOMMENDED FOR CONSTRUCTION
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DIRECTOR OF DESIGN COORDINATION
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

RECOMMENDED FOR CONSTRUCTION
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FIRST DEPUTY COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

APPROVED FOR CONSTRUCTION
HUGH J. GREECHAN, JR., P.E.
COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

WESTCHESTER COUNTY, NEW YORK
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COVER SHEET

CONTRACT NUMBER 25-532
SHEET NUMBER S-000
SHEET 11 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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STRUCTURAL NOTES

PART I. SPECIAL INSPECTIONS

A. SPECIAL INSPECTION SHALL BE PERFORMED PER THE APPLICABLE SECTIONS OF THE BUILDING CODE FOR ALL REQUIRED STRUCTURAL ITEMS INCLUDING:

SPECIAL INSPECTION ITEMS	CODE/SECTION
HELICAL TIES	BC 1705.1.1
STRUCTURAL STEEL	BC 1705.2
SOILS & FOUNDATION	BC 1705.3
CONCRETE - CAST-IN-PLACE	BC 1705.6

B. GENERAL

1. THE TESTING ACTIVITIES ARE ONLY FOR THE LIMITED PURPOSE OF EXAMINING CONTRACTOR'S QUALITY ASSURANCE PROGRAM FOR CONFORMANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. CONTRACTOR, ALONE, IS RESPONSIBLE FOR THE ACHIEVING OF THE REQUIRED LEVEL OF QUALITY, BOTH IN THE SHOP AND IN THE FIELD.
2. TESTING PERSONNEL MAY SAMPLE MATERIALS TAKEN FROM THE AS-ERECTED WORK.
   A. HIGH-TENSILE BOLTS, NUTS AND WASHERS, OF EACH SIZE, MAY BE SAMPLED AND TESTED IN ACCORD WITH ASTM PROCEDURES.
   B. COUPONS MAY BE TAKEN FROM STRUCTURAL STEEL SHAPES AND PLATES AND WELDS AND TESTED IN ACCORD WITH ASTM PROCEDURES.
3. RESPONSIBILITIES AND DUTIES OF TESTING PERSONNEL: TESTING PERSONNEL WILL INSPECT ALL SHOP AND FIELD WELDING, AND HIGH-STRENGTH BOLTING IN ACCORD WITH THE PROVISIONS OF THIS SPECIFICATION.
   A. INSPECTORS WILL BE QUALIFIED TO EXAMINE THE MATERIALS AND THE SYSTEMS EMPLOYED IN THE WORK. IN CASE OF DISPUTE BETWEEN CONTRACTOR AND OWNER AS TO THE COMPETENCE OF ANY INSPECTOR, ARCHITECT SHALL BE THE FINAL ARBITER.
   B. BOTH TESTS AND INSPECTIONS WILL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE , AS AMENDED BY THE REQUIREMENTS AND REGULATIONS OF THE BUILDING DEPARTMENT AND AS SPECIFIED HEREIN.
   C. TESTING PERSONNEL, UPON THE COMPLETION OF THE WORK, WILL BE REQUIRED TO CERTIFY IN WRITING THAT THE WELDING AND THE HIGH-STRENGTH BOLTING HAVE BEEN PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE DRAWINGS AND SPECIFICATION.
   D. TESTING AND REPORTING WILL BE PERFORMED IN ACCORD WITH THE FOLLOWING REQUIREMENTS:
      1) TESTING WILL BE PERFORMED IN ACCORD WITH THE PROVISIONS OF ASTM A370, STANDARD METHODS AND DEFINITIONS FOR MECHANICAL TESTING OF STEEL PRODUCTS.
      2) DYE PENETRANT TESTING WILL CONFORM TO THE PROVISIONS OF ASTM E165 AND AWS D1.1.
   E. ALL FILLET WELDS SHALL BE INSPECTED VISUALLY. 10% OF FILLET WELDS SHALL BE TESTED BY DYE PENETRANT OR MAGNETIC PARTICLE.

PART II. GENERAL STRUCTURAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2020 NEW YORK STATE BUILDING CODE, HEREINAFTER REFERRED TO AS BUILDING CODE, WITH THE SPECIFICATIONS, AND WITH THE REGULATIONS OF ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.
2. CONTRACTOR SHALL KEEP AT LEAST ONE FULL COPY OF THE FOLLOWING DOCUMENTS IN THE FIELD OFFICE AT ALL TIMES:
   A. *BUILDING CODE.*
   B. *FIELD REFERENCE MANUAL: STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-10, WITH SELECTED ACI AND ASTM REFERENCES*, ACI FIELD REFERENCE MANUAL, SP-15 (10).
   C. *AISC MANUAL OF STEEL CONSTRUCTION - LOAD & RESISTANCE FACTOR DESIGN*, AISC 360-16
3. CONTRACT DOCUMENTS
   A. CONTRACT DOCUMENTS ARE INTENDED TO INDICATE INFORMATION SUFFICIENT TO CONVEY THE DESIGN INTENT. THESE DOCUMENTS REPRESENT THE STRUCTURE IN ITS COMPLETED STATE, AND DO NOT INDICATE THE MEANS-AND-METHODS OF CONSTRUCTION, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE AND NOTIFY THE ENGINEER OF INCONSISTENCIES IN THESE DOCUMENTS PRIOR TO COMMENCEMENT OF THE WORK.
   B. THE SPECIFICATION SECTIONS 03300, 05100, 05300 AND ALL OTHER SECTIONS OF THE SPECIFICATIONS ARE BINDING ON CONTRACTOR AS THOUGH COPIED, WORD-FOR-WORD, DIRECTLY INTO THE DRAWINGS.
   C. "TYPICAL DETAILS" ARE APPLICABLE THROUGH THE ENTIRE SCOPE OF WORK, ALTHOUGH THEY ARE NOT SPECIFICALLY REFERENCED. CONTRACTOR IS RESPONSIBLE TO REVIEW THESE DETAILS TO UNDERSTAND THE INTENT AND EXTENT OF THEIR APPLICATION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF CONDITIONS EXIST THAT ARE NOT SPECIFICALLY DETAILED, SCHEDULED OR COVERED BY TYPICAL DETAILS.
4. STRUCTURAL DESIGN CRITERIA IS FOR GENERAL INFORMATION ONLY AND IS PROVIDED FOR OWNER'S USE.
5. REFERENCE DOCUMENTS
   A. ADMINISTRATION AND OPERATIONS BUILDING SQUADRON, DATED MARCH 31 1950, ISSUED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF CONSTRUCTION

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6. GENERAL REQUIREMENTS
   A. IT IS INTENDED THAT ALL MEMBERS BE FABRICATED AND ERECTED FREE OF SHOP AND FIELD SPLICES WHICH ARE NOT SPECIFICALLY SHOWN IN THE CONTRACT DRAWINGS. IF FIELD CONDITIONS NECESSITATE FIELD SPLICING OF MEMBERS, SUBMIT SPLICE LOCATIONS FOR STRUCTURAL ENGINEER'S ACCEPTANCE.
   WHERE FIELD SPLICING IS ACCEPTED, SPLICES SHALL BE SHOWN IN THE SHOP DRAWINGS OR IN FIELD WORK DRAWINGS.
   B. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CORRECTNESS OF DIMENSIONS AND QUANTITIES AND FOR THE FITTING TO OTHER WORK; FOR WORK TO BE CONFIRMED AND CORRELATED AT THE SITE; FOR INFORMATION PERTAINING TO THE FABRICATION PROCEDURE OR TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION; AND FOR THE COORDINATION OF THE WORK OF THIS SECTION WITH THE WORK OF ALL OTHER TRADES. THE ARCHITECT'S AND STRUCTURAL ENGINEER'S REVIEW OF CONTRACTOR'S SUBMISSIONS DOES NOT RELIEVE CONTRACTOR FROM THESE RESPONSIBILITIES.
   C. FIELD MEASUREMENTS: OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK. SUBMIT, PRIOR TO INSTALLATION, ALL MEASUREMENTS INDICATING DISCREPANCIES FROM THE DRAWINGS. DESCRIBE IN WRITING AND, WHERE APPLICABLE, BY SKETCHES THE PROPOSED METHODS FOR CORRECTING DISCREPANCIES.
   D. LAY OUT EACH PART OF THE WORK IN STRICT ACCORDANCE WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ALL OTHER DRAWINGS AND BE RESPONSIBLE FOR CORRECT LOCATION OF SAME.
   E. HOLES SHALL NOT BE CUT OR DRILLED INTO EXISTING OR NEW STRUCTURAL MEMBERS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
7. CONSTRUCTION SEQUENCE: DESCRIPTIONS OF LIMITATIONS ON CONSTRUCTION SEQUENCE ARE INTENDED TO ASSIST CONTRACTOR IN COORDINATING THE WORK OF THE PROJECT. DESCRIPTIONS DO NOT DESCRIBE FULLY THE LIMITATIONS GIVEN, DO NOT DESCRIBE ALL LIMITATIONS, NOR DO THEY PRECLUDE CONSTRUCTION SEQUENCES NOT CONTEMPLATED HEREIN. WHETHER OR NOT CONTRACTOR FOLLOWS THE LIMITATIONS ON CONSTRUCTION SEQUENCE DESCRIBED HEREIN AND UNTIL SUCH TIME AS THE STRUCTURAL WORK IS COMPLETED, CONTRACTOR REMAINS FULLY RESPONSIBLE FOR BOTH THE STABILITY AND THE SAFETY OF THE WORK; ADHERENCE TO THE LIMITATIONS DESCRIBED HEREIN DOES NOT RELIEVE CONTRACTOR FROM THAT RESPONSIBILITY.
8. EXISTING STRUCTURES
   A. DIMENSIONS AND DETAILS SHOWN IN STRUCTURAL DRAWINGS ARE TAKEN FROM THE ORIGINAL DESIGN DOCUMENTS AND MAY NOT ACCURATELY REPRESENT CURRENT EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY INSPECTION AND MEASUREMENT AT THE SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.
   B. FIREPROOFING: SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. UNLESS OTHERWISE SHOWN OR NOTED IN THE DRAWINGS, APPLY SPRAYED FIREPROOFING TO ALL ADDED STEEL, TO ALL EXISTING STEEL WHERE EXISTING FIREPROOFING IS DAMAGED OR REMOVED IN THE EXECUTION OF THIS WORK, AND AS DIRECTED BY THE ARCHITECT. SPRAYED FIREPROOFING SHALL BE Ψ APPLIED TO ACHIEVE A MINIMUM 2-HOUR FIRE-RATING, UNLESS OTHERWISE NOTED.
9. SHORING AND DEMOLITION
   A. PROVIDE AND PLACE BRACING AND SHORING AS NEEDED. SUPPORT STRUCTURE TO REMAIN AS NECESSARY TO PREVENT DAMAGE OR UNACCEPTABLE DEFLECTION. KEEP ALL BRACING AND SHORING IN PLACE DURING NEW STRUCTURAL STEEL AND CONCRETE CONSTRUCTION AND UNTIL NEW CONCRETE ACHIEVES 80 PERCENT OF DESIGN STRENGTH.
   WHERE EXISTING STRUCTURE NEED BE WELDED TO, SHORE STRUCTURE PRIOR TO WELDING FOR THE FULL LOAD PRESENT AT THE TIME OF WELDING.
   BRACING AND SHORING, INCLUDING FOUNDATIONS AND CONNECTIONS TO EXISTING STRUCTURE WITH STIFFENER PLATES AS MAY BE REQUIRED, SHALL BE DESIGNED BY CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. PROCEDURES, DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY CONTRACTOR'S ENGINEER AND SUBMITTED FOR REVIEW AND APPROVAL.
   B. REMOVE ALL DEMOLISHED MATERIAL PROMPTLY FROM THE SITE.
   C. ERECT AND MAINTAIN DUSTPROOF BARRIERS TO PREVENT SPREAD OF DUST OR FUMES. PROVIDE MEANS FOR EFFECTIVE DUST CONTROL. REMOVE BARRIERS UPON COMPLETION.
   D. SAWCUT AND REMOVE CONCRETE TO TRUE SMOOTH LINES TO THE EXTENT SHOWN IN THE DRAWINGS AFTER INSTALLATION OF ALL ADDED BEAMS AND REINFORCEMENTS, WITHOUT DAMAGE TO EXISTING REINFORCING STEEL DESIGNATED TO REMAIN. JOINTS BETWEEN EXISTING CONCRETE AND NEW CONCRETE SLAB CONSTRUCTION SHALL BE LEFT CLEAN, ROUGH, AND ESSENTIALLY VERTICAL.
   E. CAST NEW CONCRETE AS REQUIRED TO REPAIR CONCRETE SLABS, BEAM AND COLUMN ENCASEMENTS, AND THE LIKE THAT WERE DAMAGED OR REMOVED IN THE EXECUTION OF THIS CONTRACT TO THE SATISFACTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
   F. ALL STEEL BEAM CUTS SHALL BE NEAT, SMOOTH, AND TRUE TO LINE. REPAIR EXCESS GAS BURNING SERRATIONS AND GOUGES BY NECESSARY WELDING AND GRINDING.
   G. EXISTING MECHANICAL/ELECTRICAL WORK MAY NEED TO BE TEMPORARILY REMOVED TO ACCOMODATE THE REINFORCEMENT OF THE EXISTING STRUCTURE. SEE MECHANICAL/ELECTRICAL DRAWINGS FOR REQUIREMENTS RELATED TO DOCUMENTING, REMOVING, STORING, REINSTALLING AND TESTING SUCH WORK.
10. CONTRACTOR'S ENGINEER
   A. CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED IN THE STATE NEW YORK TO OVERSEE CONTRACTOR'S DEMOLITION AND CONSTRUCTION SEQUENCE.
   B. CONTRACTOR'S PROFESSIONAL ENGINEER SHALL DESIGN ALL TEMPORARY BRACING, SHORING AND THE LIKE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER FOR TEMPORARY WORK.
   C. CONTRACTOR'S PROFESSIONAL ENGINEER SHALL PROVIDE CONSTRUCTION PHASE OVERSIGHT OF THEIR WORK INCLUDING CONTROLLED INSPECTIONS THAT MAY BE REQUIRED.

PART III. STRUCTURAL STEEL

1. UNLESS OTHERWISE NOTED, USE THE FOLLOWING:

SHAPE	ASTM STANDARD	MINIMUN FY (KSI)
WIDE-FLANGES, TEES	A 572, GRADE 50 A 992, GRADE 50	50
CHANNELS,	A 572, GRADE 50	50
ANGLES	A 572	50
CONNECTION PLATE	A 572	50

   WHERE NOTED OTHERWISE, PROVIDE THE INDICATED MINIMUM YIELD STRESS (FOR EXAMPLE, "FY 50" MEANS A MINIMUM YIELD STRESS OF 50 KSI).
2. ALL FORCES GIVEN IN THE STRUCTURAL DRAWINGS FOR STEEL MEMBERS ARE FACTORED FORCES, UNLESS OTHERWISE NOTED.
3. UNLESS SPECIFICALLY NOTED TO THE CONTRARY, ALL BOLTED CONNECTIONS SHALL BE MADE WITH SLIP-CRITICAL, A325 OR A490 BOLTS. THE MINIMUM NUMBER OF ROWS OF BOLTS FOR FRAMED CONNECTIONS SHALL BE BASED ON BEAM DEPTH AS TABULATED BELOW. WHERE NO REACTION IS PROVIDED IN THE DRAWINGS, THE CONNECTION SHALL BE PROPORTIONED TO CARRY THE FORCES TABULATED BELOW:

MINIMUM CONNECTION REQUIREMENTS				
NOMINAL DEPTH OF BEAM OR GIRDER	MINIMUM NUMBER OF ROWS OF BOLTS	MINIMUM VERTICAL REACTION, KIPS (FACTORED LOADS)		MINIMUM AXIAL REACTION, KIPS (FACTORED)*
		CONNECTED TO BEAM, GIRDER OR WALL	CONNECTED TO COLUMN OR BRACING	ALL BEAM END CONNECTIONS
8	2	14	24	A = R
10	2	17	24	A = R
18	3	49	76	A = R

   * NOTE: WHERE MINIMUM TABULATED AXIAL FORCE IS USED, IT NEED NOT BE CONSIDERED TO ACT SIMULTANEOUSLY WITH THE VERTICAL REACTION. WHERE AXIAL FORCES ARE TAKEN FROM THE DRAWINGS THESE SHALL BE CONSIDERED TO ACT SIMULTANEOUSLY WITH VERTICAL REACTIONS (EITHER MINIMUM TABULATED OR THOSE SPECIFICALLY SHOWN IN THE DRAWINGS).
4. DOUBLE ANGLE MEMBERS SHALL HAVE LONG LEGS BACK-TO-BACK UNLESS OTHERWISE NOTED.
5. DOUBLE ANGLE MEMBERS IN CONTACT WITH EACH OTHER SHALL BE CONNECTED BY SLIP-CRITICAL BOLTS OR INTERMITTENT WELDS AT A SPACING NOT TO EXCEED 24".

   DOUBLE ANGLE MEMBERS SEPARATED FROM ONE ANOTHER BY INTERMITTENT FILLERS SHALL BE CONNECTED TO ONE ANOTHER BY SLIP-CRITICAL BOLTS OR WELDS AT THESE FILLERS SUCH THAT THE SLENDERNESS RATIO, L / R, OR WELDS AT THESE FILLERS SUCH THAT THE SLENDERNESS RATIO, L / R, OF EITHER SHAPE, BETWEEN THE FASTENERS, DOES NOT EXCEED 0.75 TIMES THE GOVERNING SLENDERNESS RATIO, L / R, OF THE BUILT-UP MEMBER. THE LEAST RADIUS OF GYRATION, R, SHALL BE USED IN COMPUTING THE SLENDERNESS RATIO OF EACH COMPONENT PART.

   AT LEAST TWO INTERMEDIATE CONNECTORS SHALL BE USED ALONG THE LENGTH OF THE DOUBLE-ANGLE MEMBER.
6. FILLET WELDS ON GUSSET PLATES, SEATED CONNECTIONS AND OTHER PLATE EXTENSIONS SHALL BE RETURNED AROUND THE ENDS OF THE PLATE FOR PLATES EXPOSED TO WEATHER.
7. ERECTION AIDS AND DEVICES ARE NOT SHOWN HEREIN. THE DETAILING OF THESE DEVICES IS THE RESPONSIBILITY OF CONTRACTOR.

PART IV. STEEL DECK

1. STEEL DECK UNITS AND ACCESSORIES SHALL BE FABRICATED FROM STEEL SHEET CONFORMING TO ASTM A653 SQ GRADE 50, WITH A MINIMUM YIELD POINT OF 50 KSI. MINIMUM THICKNESS SHALL BE 20 GAUGE.
2. PROVIDE COMPOSITE DECK EXCEPT WHERE SPECIFICALLY INDICATED TO THE CONTRARY IN THE CONTRACT DOCUMENTS. DECK UNITS SHALL INCORPORATE DEFORMATIONS SPECIFICALLY DESIGNED TO PRODUCE COMPOSITE ACTION BETWEEN THE METAL DECK AND THE CONCRETE SLAB TO BE PLACED OVER THE DECK.
3. WHERE THE DECK IS INDICATED BY THE CONTRACT DOCUMENTS TO BE ELECTRIFIED, ALL REQUIREMENTS OF THE ELECTRICAL CONTRACT DOCUMENTS MUST BE MET WITHOUT COMPROMISING THE STRUCTURAL REQUIREMENTS OF THE DECK.
4. DECK EDGE LAPS SHALL BE CONNECTED VIA FUSION WELDS OR MECHANICAL FASTENERS AS FOLLOWS:

   FUSION WELDS: 3/4" ∅ PUDDLE WELDS. THE SPACING SHALL BE SPECIFIED BY CONTRACTOR'S PROFESSIONAL ENGINEER AND BE SUFFICIENT TO MAINTAIN BUILDING ALIGNMENT AND TO SUSTAIN CONSTRUCTION LOADS WITHOUT DISTORTION OR SEPARATION. MAXIMUM SPACING SHALL BE 3'-0 OC THROUGHOUT EXCEPT THAT CANTILEVER SPANS SHALL RECEIVE NOT LESS THAN ONE WELD AT THE DECK END.

   MECHANICAL FASTENERS: SHALL BE STEEL SCREWS. THE SCREW SIZE AND SPACING SHALL BE SPECIFIED BY CONTRACTOR'S PROFESSIONAL ENGINEER SUCH THAT IT HAS EQUIVALENT STRENGTH OF FUSION WELDS. MAXIMUM SPACING SHALL NOT EXCEED 3'-0 OC. FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
5. DECK ATTACHMENT TO STRUCTURAL STEEL SHALL BE CONNECTED VIA FUSION WELDS, OR MECHANICAL FASTENERS AS FOLLOWS:

   FUSION WELDS: 3/4" ∅ PUDDLE WELDS. THE SPACING SHALL BE SPECIFIED BY CONTRACTOR'S PROFESSIONAL ENGINEER. WELDS SHALL BE PROVIDED AT EACH RIB, AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT 12" OC AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN. WELDS MAY BE OMITTED IN RIBS IN WHICH SHEAR CONNECTORS ARE TO BE APPLIED EXCEPT THAT EACH DECK SECTION SHALL HAVE SUFFICIENT WELDS TO ADEQUATELY SECURE THE DECK, TO BRING THE DECK INTO DIRECT CONTACT WITH THE SUPPORTING STEEL, AND TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT.

   MECHANICAL FASTENERS: SHALL BE STEEL POWDER ACTUATED FASTENERS. THE FASTENER SIZE AND SPACING SHALL BE SPECIFIED BY CONTRACTOR'S PROFESSIONAL ENGINEER SUCH THAT IT HAS EQUIVALENT STRENGTH OF FUSION WELDS, BUT NO LESS THAN A 36/4 PATTERN. FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
6. PROPOSED OPENINGS THROUGH SLAB/DECK OR DECK WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED THROUGH ARCHITECT TO STRUCTURAL ENGINEER FOR REVIEW.
7. POWDER ACTUATED AND SCREW FASTENERS SHALL BE SDI LISTED FOR DIAPHRAGM DESIGN AND WIND UPLIFT. THESE FASTENERS SHALL ALSO CONFORM TO THE LATEST REQUIREMENTS OF ICC-ES AC 43 FOR DIAPHRAGM SHEAR STRENGTH AND STIFFNESS.

Seal:

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☐ AS BUILT - NO CHANGES

CONTRACTOR
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SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

STRUCTURAL NOTES

CONTRACT NUMBER 25-532
SHEET NUMBER S-001
SHEET 12 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-S-384-0
REV NO. 0

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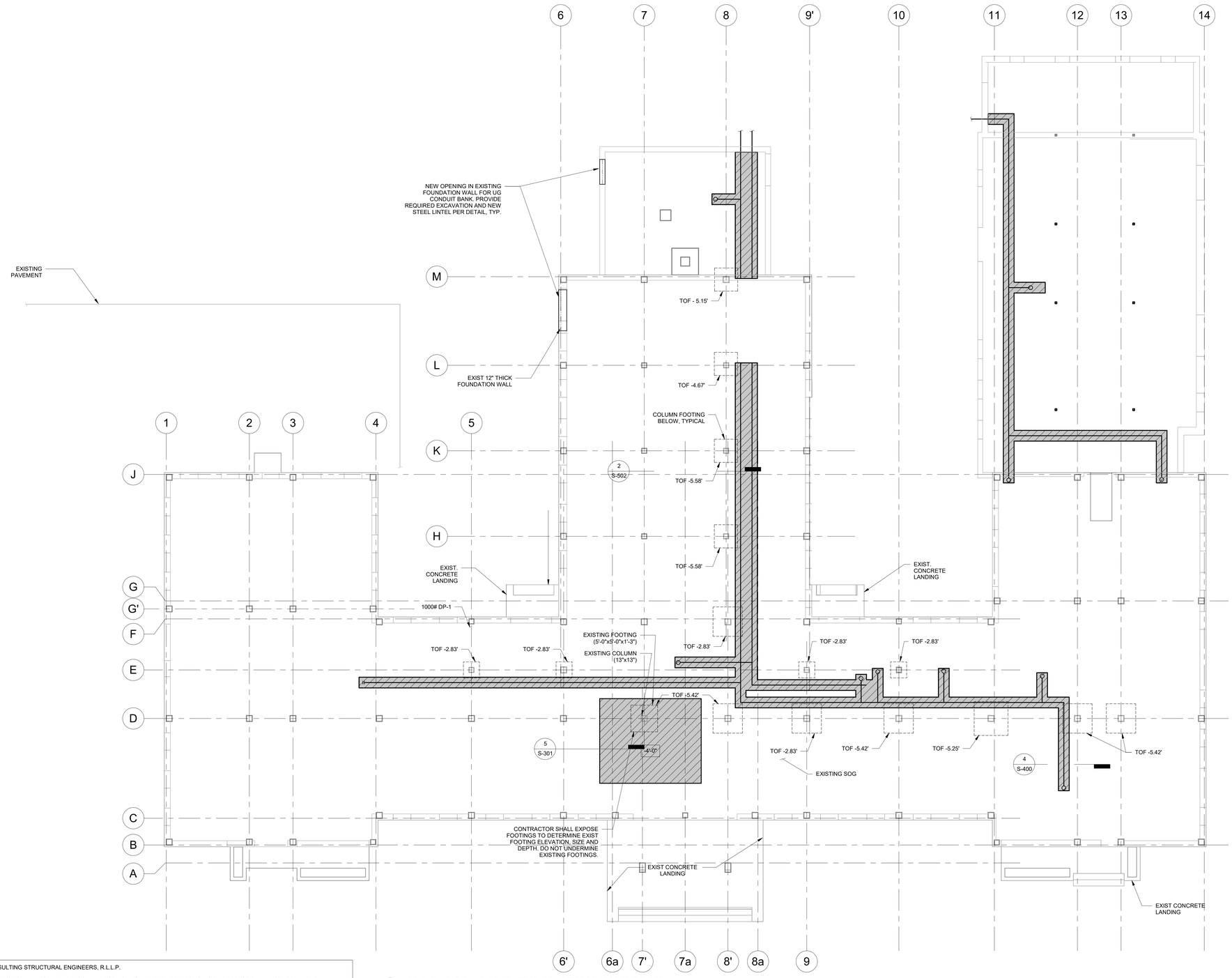
NOTES:

1. THE RENOVATED STRUCTURE AND PARTS THEREOF ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOAD AND RESISTANCE FACTOR DESIGN AS PER THE 2020 NEW YORK STATE BUILDING CODE.

2. REFER TO:
   S-001 SERIES DRAWINGS FOR STRUCTURAL NOTES, ABBREVIATIONS AND DESIGN CRITERIA
   SD-100 SERIES DEMOLITION PLANS
   S-100 SERIES DRAWINGS FOR PLANS
   S-300 SERIES DRAWINGS FOR LARGE SCALE PLANS AND SECTIONS
   S-400 SERIES DRAWINGS FOR TYPICAL DETAILS AND SCHEDULES
   S-500 SERIES DRAWINGS FOR REFERENCED DETAILS AND SECTIONS

3. EXISTING FIRST FLOOR CONSTRUCTION IS COMPRISED OF A 4 INCH AND 5-INCH-THICK SLAB-ON-GRADE, WITH DRAINAGE FILL BENEATH IT, EXCEPT BETWEEN GRIDS L AND M WHERE AN ELEVATED 4 INCH THICK SLAB SPANS CONCRETE BEAMS TO CREATE A CRAWL SPACE FOR PLUMBING. THE BOILER ROOM FEATURES A 6-INCH-THICK SLAB-ON-GRADE.

4. ▨ INDICATES SLAB ON GRADE TO BE REMOVED AND REPLACED.



1 1ST FLOOR - STRUCTURAL DEMOLITION PLAN
1/8" = 1'-0"

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

1ST FLOOR - STRUCTURAL DEMOLITION PLAN

CONTRACT NUMBER	25-532
SHEET NUMBER	SD-101
SHEET 13 of 162	
SCALE: AS SHOWN	
DATE: 09/02/2026	
DPW FILE NO.	48-08-S-398-0
REV NO.	0

Seal:

PART V. REINFORCED CONCRETE

1. CONCRETE STRENGTHS AND UNIT WEIGHTS ARE LISTED BELOW. ALL CONCRETE MIXES SHALL CONFORM TO THE PROVISIONS FOR CONCRETE QUALITY CONTAINED IN CHAPTERS 4 AND 5 OF ACI 318, EXCEPT THAT THE PROVISIONS OF THE SPECIFICATIONS SHALL PREVAIL WHERE MORE STRINGENT.

F'C (PSI)*	COARSE AGGREGATE	LOCATIONS
5000	NORMAL WEIGHT	SLABS ON GROUND
4000	NORMAL WEIGHT	INTERIOR SLABS

* F'C SHALL BE THE COMPRESSIVE STRENGTH AT 28 DAYS FOR TYPE I CEMENT AND AT 7 DAYS FOR TYPE III (HIGH EARLY STRENGTH) CEMENT.

2. GROUT UNDER BASE PLATES AND BEDDING PLATES SHALL BE NON-SHRINKING TYPE.

3. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 (GRADE 60) UNLESS OTHERWISE NOTED.

4. DEFORMED STEEL REINFORCING BAR SIZES, NOMINAL BAR DIAMETERS AND NOMINAL CROSS SECTIONAL AREAS SHALL BE IN ACCORDANCE WITH ACI 318.

5. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A497 (DEFORMED WIRE) FOR SIZES D4.0 AND LARGER, AND TO ASTM A185 (PLAIN WIRE) FOR SIZES LESS THAN W4.0.

6. DETAILING OF REINFORCING STEEL SHALL CONFORM TO *ACI DETAILING MANUAL*, BY THE AMERICAN CONCRETE INSTITUTE (ACI PUB. SP-66).

7. MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT (SUBJECT TO TOLERANCES PERMITTED BY CODE) IN ACCORDANCE WITH ACI 318, UNLESS OTHERWISE INDICATED.

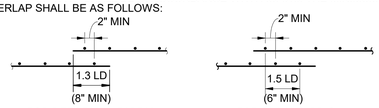
   MINIMUM CONCRETE COVER, IN ACCORDANCE WITH ACI 318, HAS BEEN ASSUMED IN THE MEMBER STRENGTH COMPUTATIONS. CONTRACTOR SHALL NOT INCREASE THE COVER AS A MEANS TO REDUCE TENSION DEVELOPMENT LENGTHS, LD, OF BARS, UNLESS OTHERWISE NOTED.

8. SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE STRUCTURAL DRAWINGS OR AS ACCEPTED.

9. UNLESS INDICATED SPECIFICALLY TO THE CONTRARY, ALL REINFORCEMENT SHALL BE SPLICED WITH TENSION LAP SPLICES DEVELOPING THE FULL TENSILE CAPACITY OF THE REINFORCEMENT.

10. ACCEPTED BAR SPLICING METHODS ARE PERMITTED IN LIEU OF LAPPING FOR LONGITUDINAL COLUMN BARS, AND ARE REQUIRED FOR ALL # 14 AND # 18 BARS.

11. SPLICING OF WWF SHALL BE IN ACCORDANCE WITH ACI 318. THE MINIMUM OVERLAP SHALL BE AS FOLLOWS:



   WHERE LD IS THE DEVELOPMENT LENGTH COMPUTED IN ACCORDANCE WITH ACI 318, FOR EITHER DEFORMED FABRIC OR PLAIN FABRIC AS APPLICABLE.

12. ALL BEAM AND SLAB CONSTRUCTION, INCLUDING UPSET BEAMS, SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS OTHERWISE SHOWN IN THE STRUCTURAL DRAWINGS.

13. LOCATION OF ALL CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND ACI 318. DRAWINGS SHOWING LOCATION AND DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED AND ACCEPTED PRIOR TO SUBMITTING REINFORCING STEEL SHOP DRAWINGS.

14. SEE ARCHITECTURAL DRAWINGS FOR DETAIL AND LOCATION OF OPENINGS OR RECESSES IN WALLS AND SLABS AND FOR OTHER DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS.

    FOR EXPOSED AND ARCHITECTURAL CONCRETE CONSTRUCTION, SEE ARCHITECTURAL DRAWINGS FOR FORMING SYSTEMS AND JOINTS, LOCATION OF REVEALS, EXPOSED EMBEDDED ITEMS, CONTROL AND CONSTRUCTION JOINTS AND OTHER INFORMATION.

    SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR INFORMATION REGARDING SIZE AND LOCATION OF OPENINGS FOR DUCTS, PIPES, CONDUITS AND THE LIKE, FOR MACHINE PADS, ETC.

    PROPOSED OPENINGS OR RECESSES IN THE STRUCTURE WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS, EITHER DIRECTLY OR BY TYPICAL DETAIL, SHALL BE SUBMITTED FOR REVIEW.

15. HORIZONTAL CONDUITS ARE PERMITTED IN SLABS WHERE THE FOLLOWING REQUIREMENTS ARE MET (T = SLAB THICKNESS; FOR SLAB-ON-DECK, T = THICKNESS ABOVE DECK):

    A. T ≥ 4" (T ≥ 3" AT SLAB-ON-DECK)

    B. CONDUIT SIZE ≤ T/3 (T/6 WHERE TWO CONDUITS CROSS);

    C. CONDUITS ARE RUN IN A SINGLE LAYER AT MID-DEPTH IN THE SLAB THICKNESS;

    D. CONDUIT SPACING ≥ THREE CONDUIT DIAMETERS OR WIDTHS ON CENTER; AND

    E. CONDUITS CAN BE ACCOMMODATED WITHOUT DISPLACING REINFORCEMENT FROM LOCATIONS PROVIDED IN THE CONTRACT DOCUMENTS.

    ALUMINUM CONDUIT IS PROHIBITED IN CONCRETE. CONFORM TO CONDUIT REQUIREMENTS OF ACI 318.

16. COMPRESSION DEVELOPMENT LENGTHS (FOR GRADE 60 REBAR).

COMPRESSION DEVELOPMENT LENGTHS, LDC (INCHES)			
BAR SIZE	F'C (PSI)		
	3000	4000	5000 OR HIGHER
# 3	8	8	8
# 4	11	9	9
# 5	14	12	11
# 6	16	14	14
# 7	19	17	16
# 8	22	19	18
# 9	25	21	20
# 10	28	24	23
# 11	31	27	25
# 14	37	32	30
# 18	49	43	41

   A. TABULATED VALUES ARE FOR NORMAL WEIGHT OR LIGHTWEIGHT CONCRETE, WITH OR WITHOUT EPOXY COATING.

   B. FOR COMPRESSION DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE, INCREASE LDC OF THE INDIVIDUAL BAR BY THE FOLLOWING FACTORS:

	BUNDLE FACTOR
3-BAR BUNDLE	1.20
4-BAR BUNDLE	1.33

   INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP.

17. TENSION DEVELOPMENT LENGTHS AND SPLICE LENGTHS:

    REINFORCING BAR DEVELOPMENT LENGTHS, AS COMPUTED IN ACCORDANCE WITH ACI 318, FORM THE BASIS FOR BAR EMBEDMENT LENGTHS AND BAR SPLICE LENGTHS SHOWN IN THE DRAWINGS. FOR CONVENIENT REFERENCE, TABLES OF DEVELOPMENT LENGTHS IN TENSION, LD, ARE GIVEN HERE.

    THE TABLES FOR LD ARE DIVIDED INTO CATEGORIES. CATEGORIES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER AND THE CENTER- TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:

STRUCTURAL ELEMENT	CONCRETE COVER	CATEGORY, ACCORDING TO CENTER-TO-CENTER BAR SPACING		
		≤ $2D_B$	≥ $2D_B$ < $3D_B$	≥ $3D_B$
ALL OTHERS	< D_B	2	2	2
	≥ D_B	2	2	1

    WHERE D_B = NOMINAL DIAMETER OF A BAR.

    BUNDLED BARS: FOR DETERMINING THE APPROPRIATE CATEGORIES FOR COVER AND CENTER-TO-CENTER BAR SPACING, A UNIT OF BUNDLED BARS SHALL BE TREATED AS A SINGLE BAR OF DIAMETER D_B, DERIVED FROM THE EQUIVALENT TOTAL AREA.

    THE FOLLOWING NOTES APPLY TO ALL THE TABULATED VALUES OF TENSION DEVELOPMENT AND TENSION LAP SPLICES:

    A. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE TO BE CAST IN THE MEMBER BELOW THE BARS. WALL HORIZONTAL BARS SHALL BE CONSIDERED TOP BARS.

    B. FOR EPOXY-COATED BARS, INCREASE LD BY THE FOLLOWING FACTORS:

	EPOXY FACTOR	
	TOP BARS	OTHER BARS
COVER < $3D_B$, OR CLEAR SPACING < $6D_B$	1.3	1.5
ALL OTHERS	1.2	1.2

    C. THE LENGTHS OF TENSION LAP SPLICES SHALL BE 1.3 x LD.

    D. FOR DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE, INCREASE LD OF THE INDIVIDUAL BAR BY THE FOLLOWING FACTORS:

	BUNDLE FACTOR
3-BAR BUNDLE	1.20
4-BAR BUNDLE	1.33

    INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP, AND SHALL BE SEPARATED BY 24 INCHES MIN.

TENSION DEVELOPMENT LENGTHS, LD (INCHES) NORMAL WEIGHT CONCRETE								
BAR SIZE	F'C = 4000 PSI				F'C = 5000 PSI			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	CATEGORY		CATEGORY		CATEGORY		CATEGORY	
	1	2	1	2	1	2	1	2
# 3	21	28	15	21	21	25	15	19
# 4	26	37	19	28	23	33	17	25
# 5	32	46	24	36	29	41	21	32
# 6	38	55	28	43	34	50	25	38
# 7	54	81	42	62	48	72	37	56
# 8	62	92	47	71	55	83	42	64
# 9	70	104	54	80	62	93	48	72
# 10	78	117	60	90	70	105	54	81
# 11	87	130	67	100	78	117	60	90
# 14	104	157	80	120	93	140	72	108
# 18	139	209	107	161	124	187	96	144

PART VI. POST-INSTALLED ANCHORS

1. POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), AND APPROVED INDEPENDENT TESTING REPORT PER ACI 355.

2. ANCHOR INSTALLER(S) SHALL HAVE EXPERIENCE AND TRAINING WITH INSTALLING THE SPECIFIED POST-INSTALLED ANCHORS. INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL, OR UPWARDLY INCLINED ORIENTATIONS, SUPPORTING TENSION LOAD SHALL BE PERFORMED BY INSTALLERS CERTIFIED THROUGH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR APPROVED EQUIVALENT.

3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING AT THE TIME OF INSTALLATION SO AS TO ACHIEVE THE INTENDED CAPACITY, UNLESS OTHERWISE PERMITTED IN WRITING FROM THE ANCHOR MANUFACTURER.

   A. MINIMUM CONCRETE AGE OF 21 DAYS
   B. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 0.75 F'C
   C. MINIMUM CONCRETE TEMPERATURE OF 50 DEGREES FAHRENHEIT
   D. HOLES DRILLED WITH CARBIDE-TIPPED DRILL BITS, USING ROTARY IMPACT HAMMER
   E. CONCRETE IN "DRY" CONDITION
   F. HOLES THOROUGHLY CLEANED AND PREPARED IN ACCORDANCE WITH THE MPII
   G. ANCHORS FREE OF RUST, OIL, COATINGS, DIRT, MUD OR ANY DELETERIOUS MATERIALS

4. ANCHORS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE CONCRETE CAPACITY DESIGN METHODS OF ACI 318, AS MODIFIED BASED ON THE REQUIREMENTS OF THE APPROVED INDEPENDENT TESTING REPORT PER ACI 355. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER PRIOR TO USE. WHERE SUBSTITUTIONS ARE REQUESTED, CONTRACTOR SHALL PROVIDE SIGNED AND SEALED CALCULATIONS FROM CONTRACTOR'S PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE PROJECT'S JURISDICTION, DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE CAPACITY AND PERFORMANCE OF THE ORIGINAL SPECIFIED PRODUCT INCLUDING, BUT NOT LIMITED TO: COMPLIANCE WITH THE BUILDING CODE, SEISMIC USE, LOAD RESISTANCE, INSTALLATION CATEGORY, AND IN-SERVICE CONDITIONS.

5. SPECIAL INSPECTION OF POST-INSTALLED ANCHORS SHALL BE IN ACCORDANCE WITH THE BUILDING CODE AND APPROVED INDEPENDENT TESTING REPORT PER ACI 355. AT A MINIMUM, ALL ANCHORS SHALL BE SUBJECT TO PERIODIC SPECIAL INSPECTION. IN ADDITION, ADHESIVE ANCHORS INSTALLED IN HORIZONTAL, OR UPWARDLY INCLINED ORIENTATIONS, SUPPORTING TENSION LOAD SHALL BE SUBJECT TO CONTINUOUS SPECIAL INSPECTION. IN ALL CASES THE SPECIAL INSPECTOR SHALL BE NOTIFIED PRIOR TO COMMENCEMENT OF WORK.

6. CARE SHALL BE TAKEN TO NOT CUT OR DAMAGE EXISTING REINFORCEMENT. CONTRACTOR SHALL LOCATE EXISTING REINFORCEMENT, BY NON-DESTRUCTIVE MEANS, PRIOR TO FABRICATION OF ANCHORAGE ELEMENTS AND/OR DRILLING OF POST-INSTALLED ANCHORS TO CONFIRM THERE ARE NO CONFLICTS. CONTRACTOR IS RESPONSIBLE TO NOTIFY THE STRUCTURAL ENGINEER IN WRITING IF A CONFLICT EXISTS, FOR REVIEW PRIOR, TO COMMENCEMENT OF THE WORK.

7. PROOF LOAD TESTING (INCLUDING REQUIRED PROOF LOAD, ANCHOR TYPES, LOCATIONS, AND QUANTITIES) BY NON-DESTRUCTIVE MEANS SHALL BE PERFORMED BY AN INDEPENDENT PARTY AT THE DISCRETION OF THE STRUCTURAL ENGINEER. RESULTS OF THIS PROOF LOAD TESTING SHALL BE SUBMITTED IN WRITING FOR REVIEW.

STRUCTURAL DESIGN CRITERIA

A. GRAVITY LOADS

1. ROOF — PSF

5 " CONCRETE SLAB	62.5
BUILT UP	9
MEMBRANE	1
TOTAL SUPERIMPOSED DEAD LOAD	72.5
ROOF LIVE LOAD	20

2. ROOFTOP SOLAR ARRAY

   SOLAR PANEL ARRAY DEAD LOAD: 5 PSF
   INCLUDING PV MODULES, RACKING, BALLAST, AND ACCESSORIES.

   CONTRACTOR / PV DESIGNER SHALL VERIFY FINAL ARRAY WEIGHT AND LAYOUT. TOTAL LOAD SHALL NOT EXCEED THE LOAD INDICATED ABOVE WITHOUT REVIEW BY THE DESIGN TEAM.

B. SNOW LOADS

1. SNOW LOADS ARE DETERMINED FROM ASCE 7-16, BASED ON THE FOLLOWING PARAMETERS,

   GROUND SNOW LOAD: Pg = 30 PSF
   IMPORTANCE FACTOR: I = 1.2
   SNOW EXPOSURE FACTOR: Ce = 0.9
   THERMAL FACTOR: Ct = 1.0
   FLAT-ROOF SNOW LOAD: Pf = 22.7 PSF

C. FOUNDATION DESIGN

ALLOWABLE BEARING PRESSURE WAS TAKEN AS 4000 PSF BASED ON EXISTING DRAWINGS.

THE SOIL PROPERTIES ARE UNKNOWN. WE ASSUME THAT THE SUBGRADE MODULUS VARY BETWEEN 30600 PCF AND 306000 PCF FOR LOOSE SAND AND STIFF CLAY SOIL TYPES. AND THEIR CORRESPONDING SETTLEMENT WAS FOUND TO BE 0.11 IN AND 0.01 IN.

D. ROOFTOP SOLAR PANEL DESIGN REQUIREMENTS

ROOFTOP SOLAR PANELS AND RACKING SHALL BE DESIGNED IN ACCORDANCE WITH ASCE 7-16, INCLUDING SECTION 29.4.4 FOR ROOFTOP SOLAR PANEL WIND LOADS.

PV RACKING, BALLAST, ATTACHMENTS, PANEL CLAMPS, CONNECTIONS, AND ASSOCIATED WIND, SNOW, DEAD, AND OTHER APPLICABLE LOADS SHALL BE DESIGNED BY THE PV SYSTEM DESIGNER / CONTRACTOR AND SUBMITTED FOR REVIEW..

Seal:

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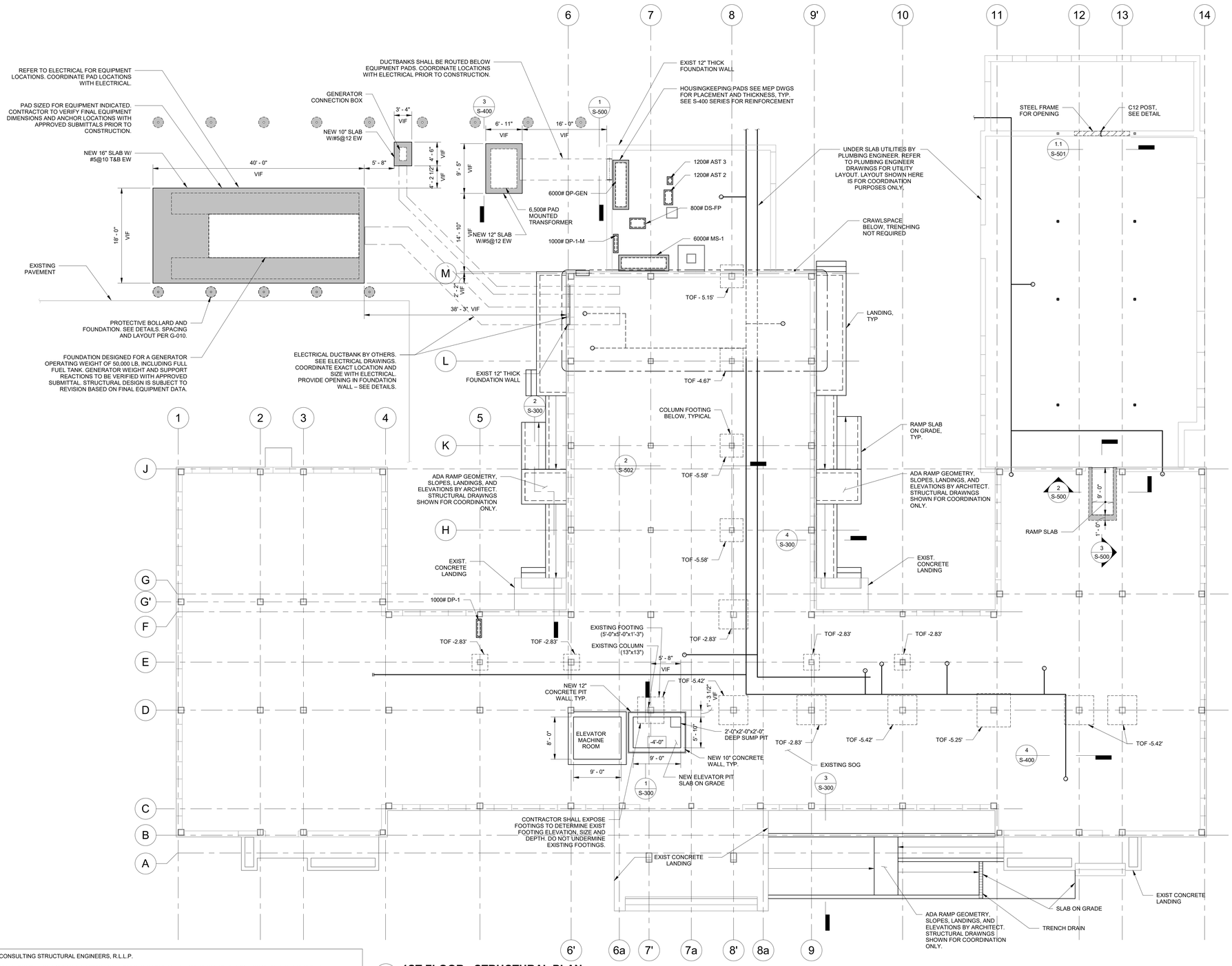
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

STRUCTURAL NOTES

CONTRACT NUMBER: 25-532
SHEET NUMBER: S-002
SHEET 14 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-S-385-0
REV NO.: 0

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1 1ST FLOOR - STRUCTURAL PLAN

1/8" = 1'-0"

NOTES:

1. THE RENOVATED STRUCTURE AND PARTS THEREOF ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH, LOAD AND RESISTANCE FACTOR DESIGN AS PER THE 2020 NEW YORK STATE BUILDING CODE.
2. REFER TO:
   SD-000 SERIES DRAWINGS FOR DEMOLITION
   S-001 SERIES DRAWINGS FOR STRUCTURAL NOTES, ABBREVIATIONS AND DESIGN CRITERIA
   S-100 SERIES DRAWINGS FOR PLANS
   S-300 SERIES DRAWINGS FOR LARGE SCALE PLANS AND SECTIONS
   S-400 SERIES DRAWINGS FOR TYPICAL DETAILS AND SCHEDULES
   S-500 SERIES DRAWINGS FOR REFERENCED DETAILS AND SECTIONS
3. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB, OPENING, TOPPING SLAB, AND CURB DIMENSIONS AND TOP OF CONCRETE ELEVATIONS NOT SHOWN. SEE MEP DRAWINGS FOR DUNNAGE AND OTHER MEP SUPPORT REQUIREMENTS. WHERE EQUIPMENT AND OTHER ITEMS SUPPORTED BY STRUCTURE CHANGE, LOCATION OF FRAMING MAY NEED TO BE COORDINATED AND REVISED.
4. EXISTING FIRST FLOOR CONSTRUCTION IS COMPRISED OF A 4 INCH AND 5-INCH-THICK SLAB-ON-GRADE, WITH DRAINAGE FILL BENEATH IT, EXCEPT BETWEEN GRIDS L AND M WHERE AN ELEVATED 4 INCH THICK SLAB SPANS CONCRETE BEAMS TO CREATE A CRAWL SPACE FOR PLUMBING. THE BOILER ROOM FEATURES A 6-INCH-THICK SLAB-ON-GRADE.
5. TOP OF CONCRETE IS AT REFERENCE ELEVATION +0' -0" UNLESS OTHERWISE NOTED .XXX, WHERE XXX IS MEASURED RELATIVE TO REFERENCE ELEVATION. SEE ARCHITECTURAL DRAWINGS FOR REFERENCE ELEVATIONS.
6. CONCRETE STRENGTH AND WEIGHT:

ADA RAMPS, CURBS AND HOUSEKEEPING PADS	F'C=4000 PSI, NW
EXTERIOR EQUIPMENT PAD	F'C=4000 PSI, NW

7. STRUCTURAL STEEL SHAPES SHALL BE FY50 UNLESS OTHERWISE NOTED. CONNECTION PLATES SHALL BE FY50 UON. TUBES SHALL BE FY46.
8. Ψ INDICATES INFORMATION BEING COORDINATED OR TO BE PROVIDED BY OTHERS.
9. CONTRACTOR IS RESPONSIBLE TO FILL ALL SLAB OPENINGS LESS THAN 12" BY 12" PER TYPICAL DETAIL Ψ /S-400 THAT ARE EXPOSED DURING DEMOLITION.
10. ONLY FOOTINGS THAT OVERLAP WITH NEW WORK ARE SHOWN. REFER TO EXISTING DRAWINGS FOR ALL OTHER FOUNDATION INFORMATION.

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

1ST FLOOR - STRUCTURAL PLAN

Seal:

CONTRACT NUMBER	25-532
SHEET NUMBER	S-101
SHEET 15 of 162	
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NOTES:

1. THE RENOVATED STRUCTURE AND PARTS THEREOF ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH, LOAD AND RESISTANCE FACTOR DESIGN AS PER THE 2020 NEW YORK STATE BUILDING CODE.

2. REFER TO:
   SD-000 SERIES DRAWINGS FOR DEMOLITION
   S-001 SERIES DRAWINGS FOR STRUCTURAL NOTES, ABBREVIATIONS AND DESIGN CRITERIA
   S-100 SERIES DRAWINGS FOR PLANS
   S-300 SERIES DRAWINGS FOR LARGE SCALE PLANS AND SECTIONS
   S-400 SERIES DRAWINGS FOR TYPICAL DETAILS AND SCHEDULES
   S-500 SERIES DRAWINGS FOR REFERENCED DETAILS AND SECTIONS

3. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB, OPENING, TOPPING SLAB, AND CURB DIMENSIONS AND TOP OF CONCRETE ELEVATIONS NOT SHOWN. SEE MEP DRAWINGS FOR DUNNAGE AND OTHER MEP SUPPORT REQUIREMENTS. WHERE EQUIPMENT AND OTHER ITEMS SUPPORTED BY STRUCTURE CHANGE, LOCATION OF FRAMING MAY NEED TO BE COORDINATED AND REVISED.

4. EXISTING SECOND FLOOR CONSTRUCTION IS TYPICALLY A 4-INCH-THICK ONE-WAY SLAB SUPPORTED BY CONCRETE BEAMS OF VARYING DEPTHS. THE CENTRAL WING BETWEEN GRIDS F AND M HAS 5-INCH-THICK TWO-WAY SLABS SPANNING TO BEAMS ON COLUMN LINES. THE NORTH AND SOUTH WINGS OF THE SECOND FLOOR ARE LOW ROOFS. THERE ARE PERIMETER SPANDREL BEAMS SPANNING PERIMETER COLUMNS AROUND THE SECOND FLOOR AND ROOF LEVELS.

5. TOP OF CONCRETE IS AT REFERENCE ELEVATION +10' -7 3/4" UNLESS OTHERWISE NOTED XXX, WHERE XXX IS MEASURED RELATIVE TO REFERENCE ELEVATION. SEE ARCHITECTURAL DRAWINGS FOR REFERENCE ELEVATIONS.

6. TOP OF NEW STRUCTURAL STEEL IS (-5") BELOW REFERENCE ELEVATION UNLESS OTHERWISE NOTED.

7. NEW BEAMS ADJACENT TO OPENINGS ARE LOCATED 6" FROM THE CENTERLINE OF BEAM TO THE EDGE OF SLAB OPENING, UNLESS OTHERWISE NOTED.

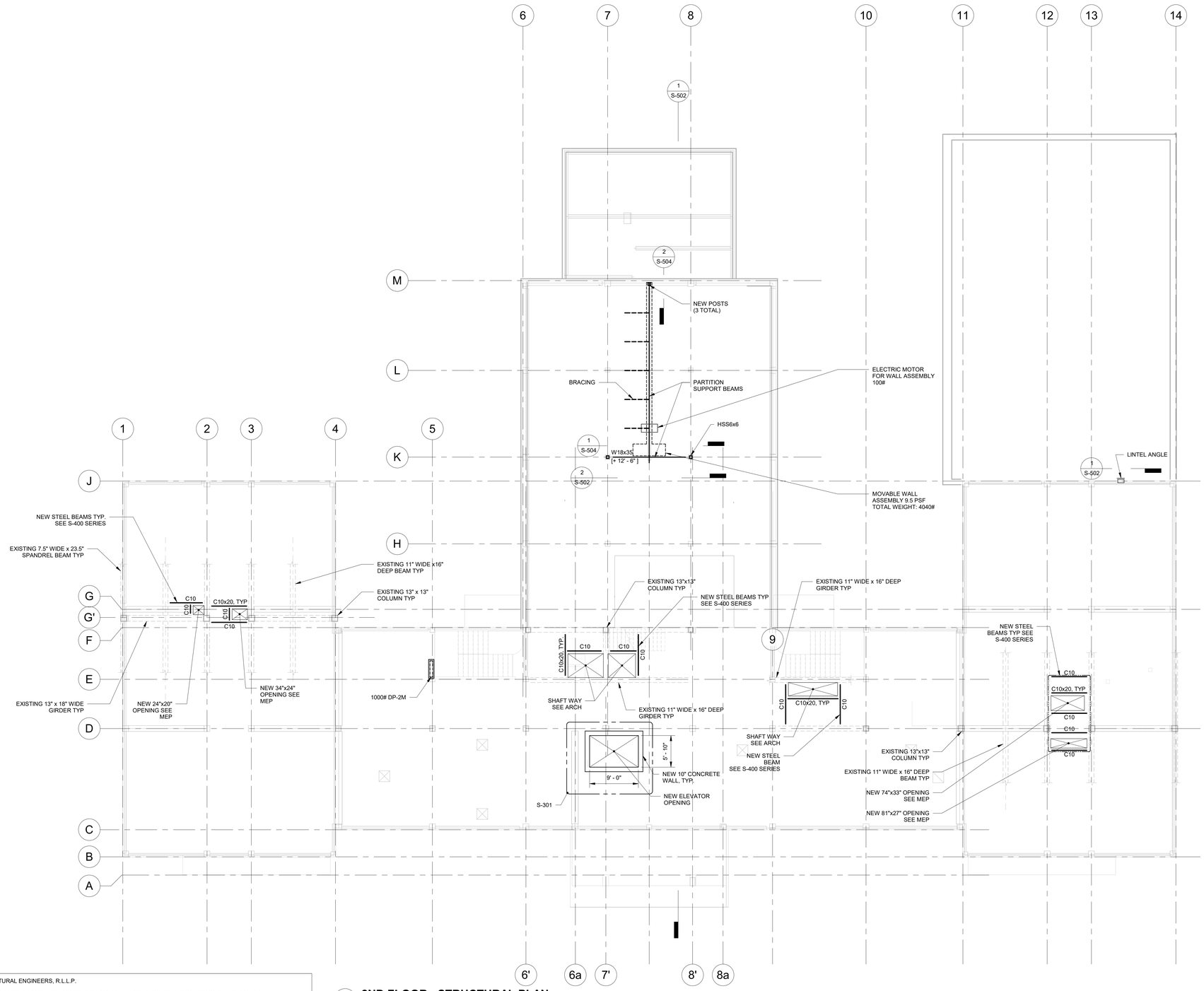
8. CONCRETE STRENGTH AND WEIGHT:

   SLAB OPENING INFILL F'C=4000 PSI, NW

9. STRUCTURAL STEEL SHAPES SHALL BE FY50 UNLESS OTHERWISE NOTED. CONNECTION PLATES SHALL BE FY50 UON. TUBES SHALL BE FY46.

1. Ψ INDICATES INFORMATION BEING COORDINATED OR TO BE PROVIDED BY OTHERS.

2. CONTRACTOR IS RESPONSIBLE TO FILL ALL SLAB OPENINGS LESS THAN 12" BY 12' PER TYPICAL DETAIL Ψ /S-400 THAT ARE EXPOSED DURING DEMOLITION.



1 **2ND FLOOR - STRUCTURAL PLAN**
1/8" = 1'-0"

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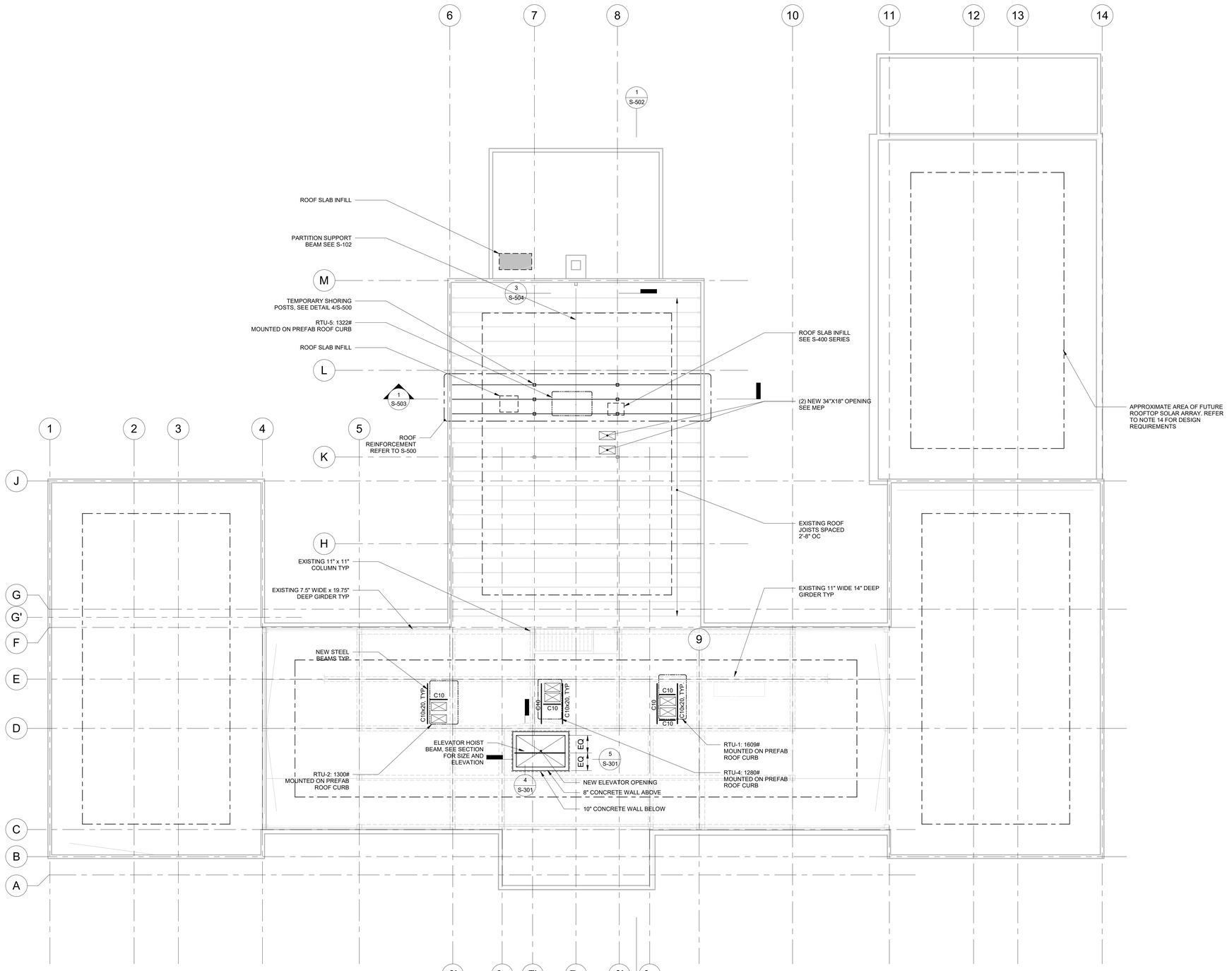
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2ND FLOOR - STRUCTURAL PLAN

CONTRACT NUMBER 25-532	SHEET NUMBER S-102
SHEET 16 of 162	
SCALE: AS SHOWN	
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1 **ROOF - STRUCTURAL PLAN**
1/8" = 1'-0"

NOTES:

1. THE RENOVATED STRUCTURE AND PARTS THEREOF ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH, LOAD AND RESISTANCE FACTOR DESIGN AS PER THE 2020 NEW YORK STATE BUILDING CODE.

2. REFER TO:
   SD-000 SERIES DRAWINGS FOR DEMOLITION
   S-001 SERIES DRAWINGS FOR STRUCTURAL NOTES, ABBREVIATIONS AND DESIGN CRITERIA
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   S-500 SERIES DRAWINGS FOR REFERENCED DETAILS AND SECTIONS

3. EXISTING THIRD LEVEL ROOF CONSTRUCTION IS COMPRISED OF A 3.5-INCH-THICK ONE-WAY SLAB SPANNING TO CONCRETE BEAMS FROM GRIDS C TO F. THE ASSEMBLY HALL ROOF IS COMPRISED OF 2-INCH MESH-REINFORCED CONCRETE SLAB ON OPEN WEB STEEL JOISTS OVER A DOUBLE-HEIGHT ASSEMBLY AREA. JOIST TOP CHORDS SLOPE FOR ROOF DRAINAGE WITH THE CENTER OF JOISTS BEING 26" DEEP AND THE ENDS OF JOISTS BEING 22" DEEP. ROOF INSULATION IS COMPRISED OF 3-INCH LIGHTWEIGHT CONCRETE INSULATING SLAB CAST DIRECTLY ON TOP OF THE 2" STRUCTURAL SLAB.

4. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB, OPENING, TOPPING SLAB, AND CURB DIMENSIONS AND TOP OF CONCRETE ELEVATIONS NOT SHOWN. SEE MEP DRAWINGS FOR DUNNAGE AND OTHER MEP SUPPORT REQUIREMENTS. WHERE EQUIPMENT AND OTHER ITEMS SUPPORTED BY STRUCTURE CHANGE, LOCATION OF FRAMING MAY NEED TO BE COORDINATED AND REVISED.

5. TOP OF CONCRETE IS AT REFERENCE ELEVATION +21'-0" UNLESS OTHERWISE NOTED XXX, WHERE XXX IS MEASURED RELATIVE TO REFERENCE ELEVATION. SEE ARCHITECTURAL DRAWINGS FOR REFERENCE ELEVATIONS.

6. TOP OF NEW STRUCTURAL STEEL IS (-4-1/2") BELOW REFERENCE ELEVATION UNLESS OTHERWISE NOTED.

7. NEW BEAMS ADJACENT TO OPENINGS ARE LOCATED 6" FROM THE CENTERLINE OF BEAM TO THE EDGE OF SLAB OPENING, UNLESS OTHERWISE NOTED.

8. CONCRETE STRENGTH AND WEIGHT:

   SLAB OPENING INFILL F'C=4000 PSI, NW

9. STRUCTURAL STEEL SHAPES SHALL BE FY50 UNLESS OTHERWISE NOTED. CONNECTION PLATES SHALL BE FY50 UON. TUBES SHALL BE FY46.

10. Ψ INDICATES INFORMATION BEING COORDINATED OR TO BE PROVIDED BY OTHERS.

11. CONTRACTOR IS RESPONSIBLE TO FILL ALL SLAB OPENINGS LESS THAN 12" BY 12" PER TYPICAL DETAIL Ψ /S-400 THAT ARE EXPOSED DURING DEMOLITION.

12. ABATEMENT OF LEAD-BASED PAINT ON STRUCTURAL STEEL TO FACILITATE WELDING FOR REINFORCEMENT OF STRUCTURAL STEEL ROOF FRAMING. ALL DRILLING THROUGH LEAD-BASED PAINT SHOULD ALSO BE PERFORMED DURING ABATEMENT.

13. ALL NEW STRUCTURAL STEEL TO BE SHOP PRIMED FOR FIELD PAINTING, REFER TO ARCH. DRAWINGS FOR FINISH NOTES AND REQUIREMENTS.

14. ROOFTOP SOLAR ARRAY MAXIMUM SUPERIMPOSED DEAD LOAD = 5 PSF, INCLUDING PV PANELS, RACKING, BALLAST, AND ASSOCIATED ACCESSORIES.

    FINAL PV PANEL SUPPORT, BALLAST, ATTACHMENT, AND WIND UPLIFT DESIGN SHALL BE BY THE PV SYSTEM DESIGNER / CONTRACTOR.

    SUBMIT FINAL ARRAY LAYOUT, SUPPORT REACTIONS, BALLAST LOADS, AND WIND UPLIFT CALCULATIONS FOR REVIEW PRIOR TO INSTALLATION.

    DO NOT EXCEED DESIGN LOADS INDICATED ON THESE DRAWINGS WITHOUT REVIEW BY THE DESIGN TEAM.

Seal:

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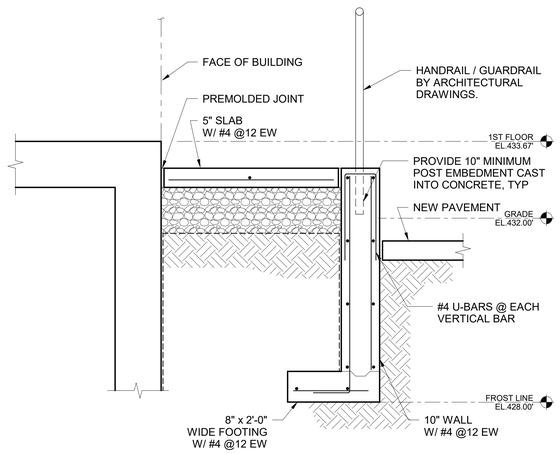
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

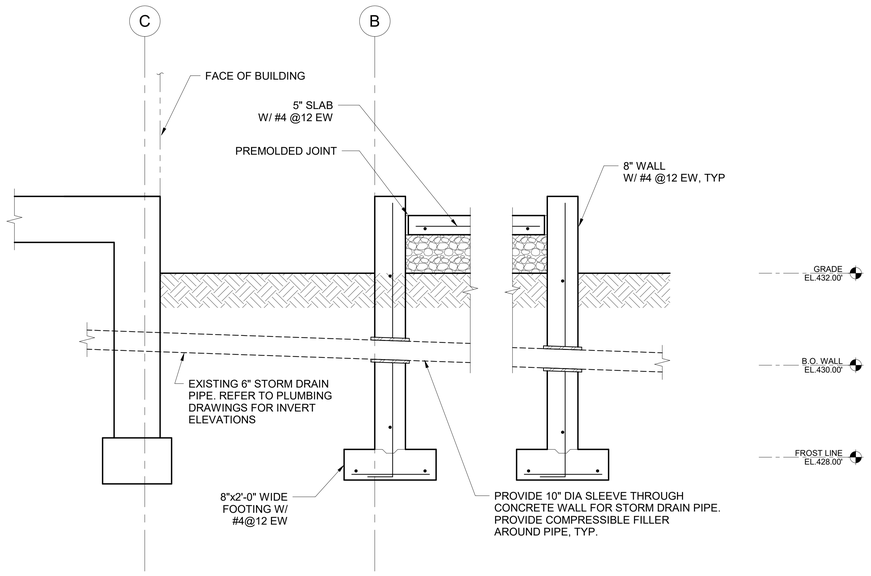
ROOF STRUCTURAL PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER S-104
SHEET 17 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-S-388-0
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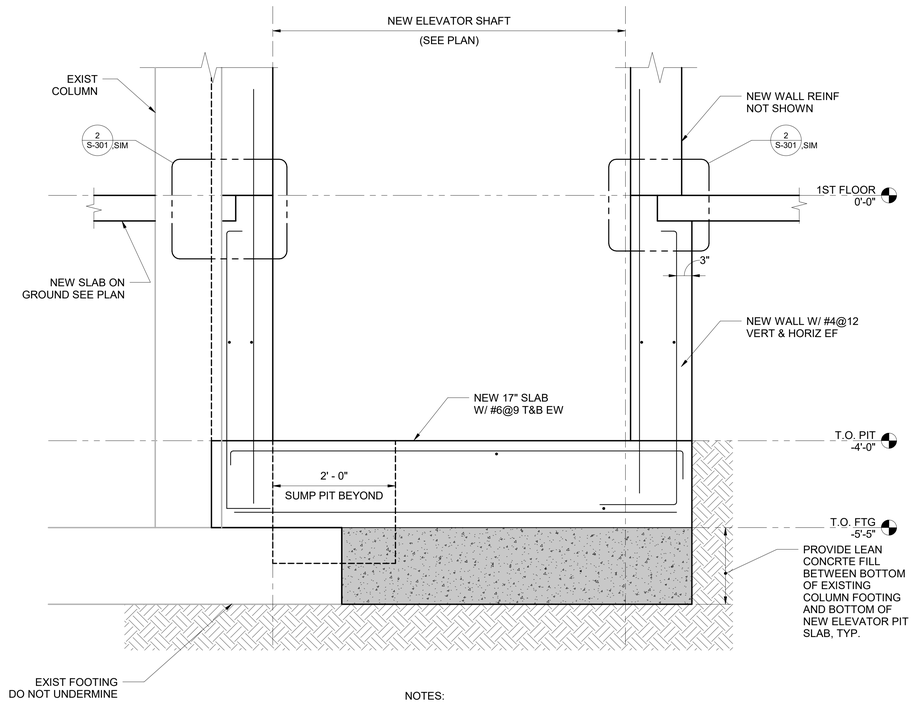
4 EXTERIOR ACCESS RAMP SECTON

3/4" = 1'-0"



3 EXTERIOR ACCESS RAMP SECTON

3/4" = 1'-0"

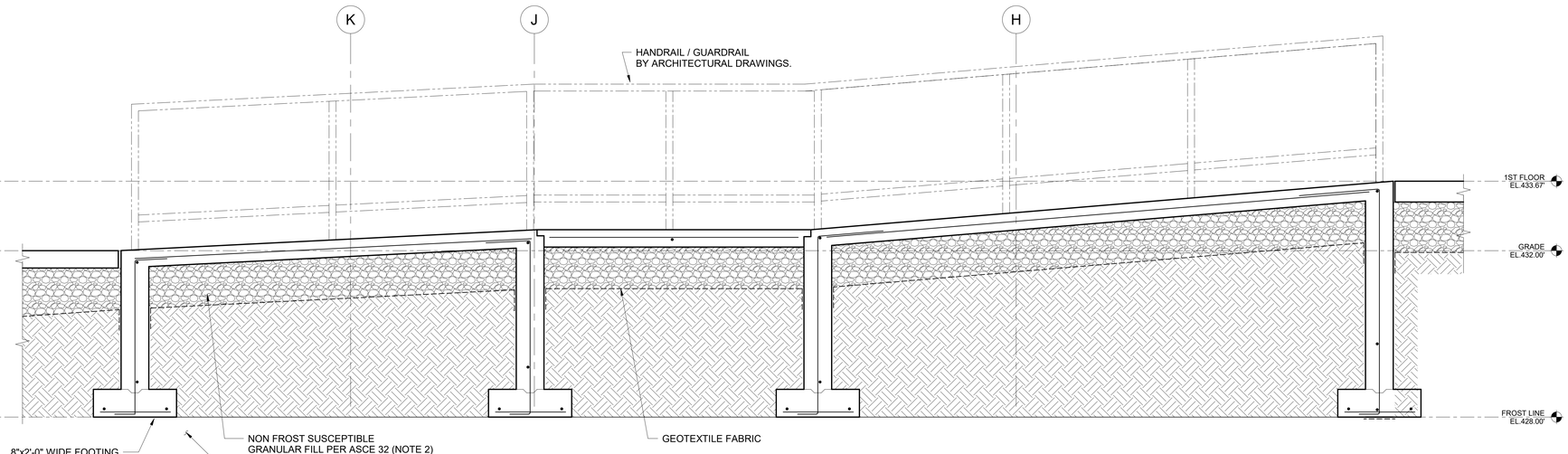


NOTES:

1. USE GPR TO LOCATE EXISTING FOOTING REBAR. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.

1 ELEVATOR PIT SECTION

1" = 1'-0"

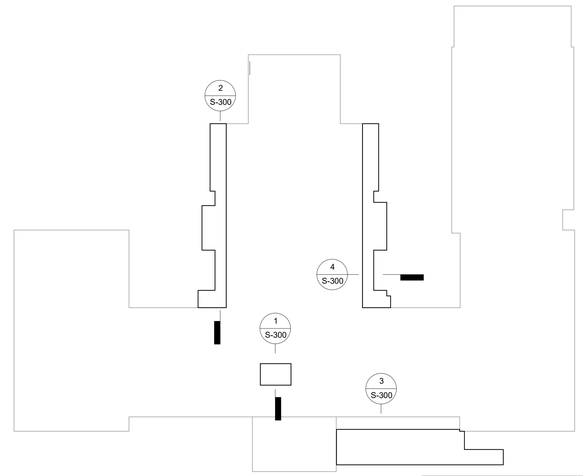


NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR RAMP DIMENSIONS, SLOPES, LANDING DIMENSIONS, HANDRAILS, AND FINISH ELEVATIONS.
2. PROVIDE A MINIMUM OF 12 INCHES OF NON-FROST-SUSCEPTIBLE GRANULAR FILL BELOW EXTERIOR RAMP SLABS. GRANULAR FILL SHALL CONSIST OF FREE-DRAINING WELL-GRADED CRUSHED STONE OR GRAVEL CONTAINING LESS THAN 6 PERCENT MATERIAL PASSING THE NO. 200 SIEVE AND SHALL BE PLACED TO PROVIDE UNIFORM SUPPORT OF THE SLABS AND FOUNDATIONS.

2 EXTERIOR ACCESS RAMP SECTON

3/4" = 1'-0"



KEY PLAN

Seal:

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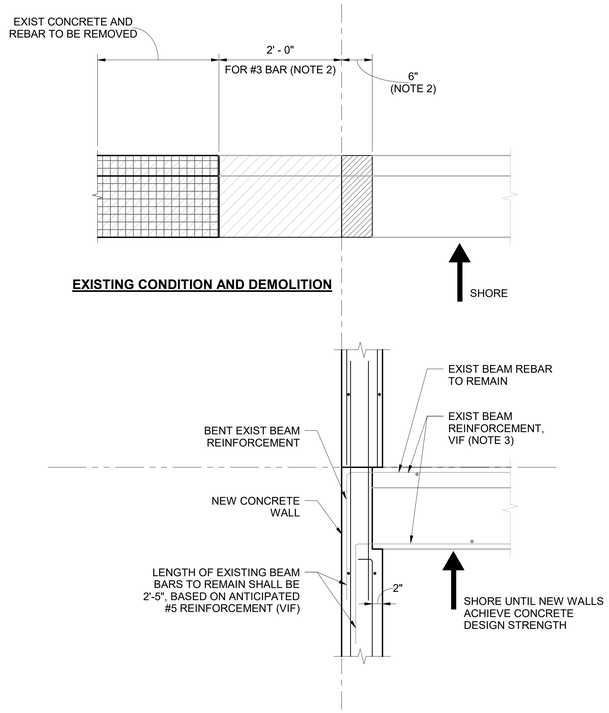
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

SECTIONS AND DETAILS

CONTRACT NUMBER 25-532
SHEET NUMBER S-300
SHEET 18 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-S-389-0
REV NO. 0

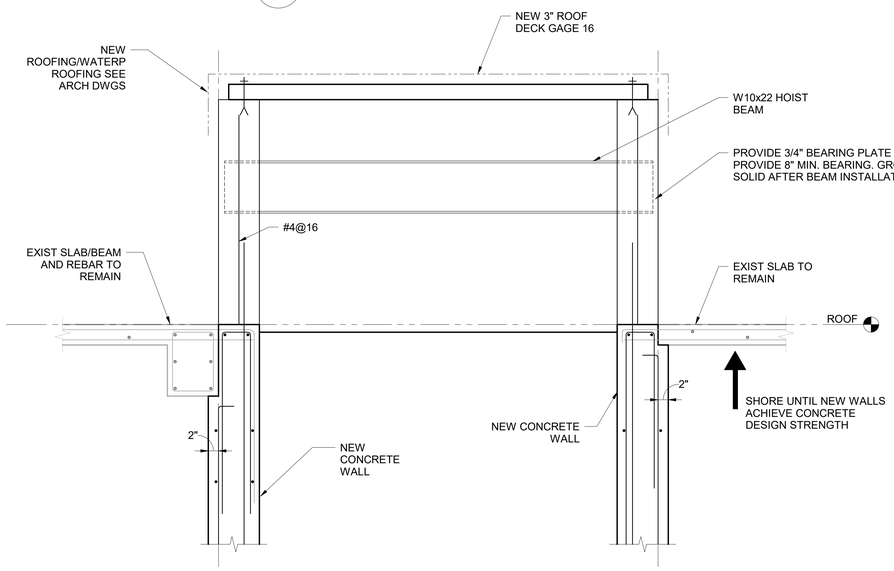
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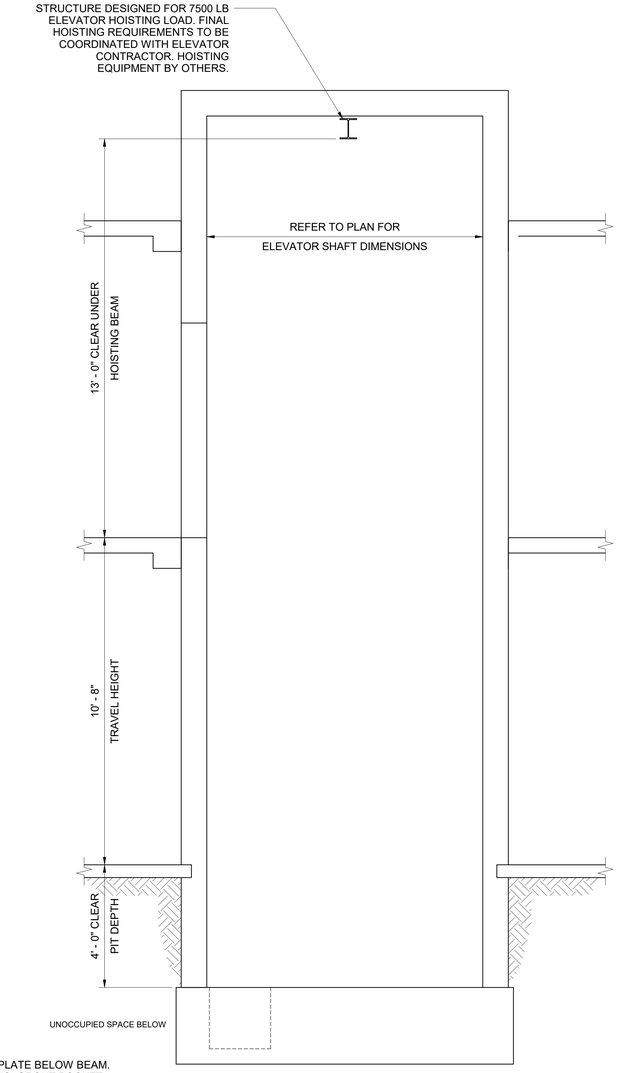
NOTES:

1. REFER TO DETAIL 2 FOR NOTE 1.
2. REFER TO DETAIL 2 FOR NOTE 2.
3. REFER TO DETAIL 2 FOR NOTE 3.
4. FOR INFORMATION NOT SHOWN REFER TO DETAIL 2.

3 ELEVATOR SHAFT WALL AT EXISTING BEAM
1" = 1'-0"



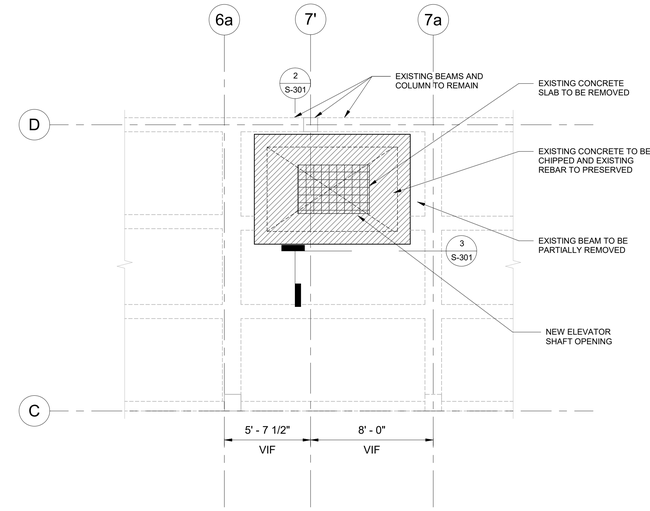
4 ROOF INFILL AT NEW ELEVATOR SHAFT
1" = 1'-0"



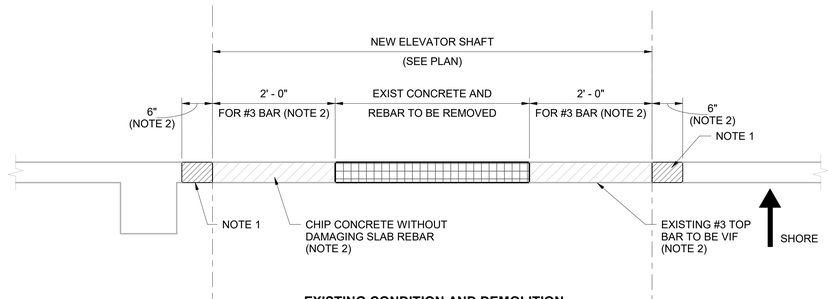
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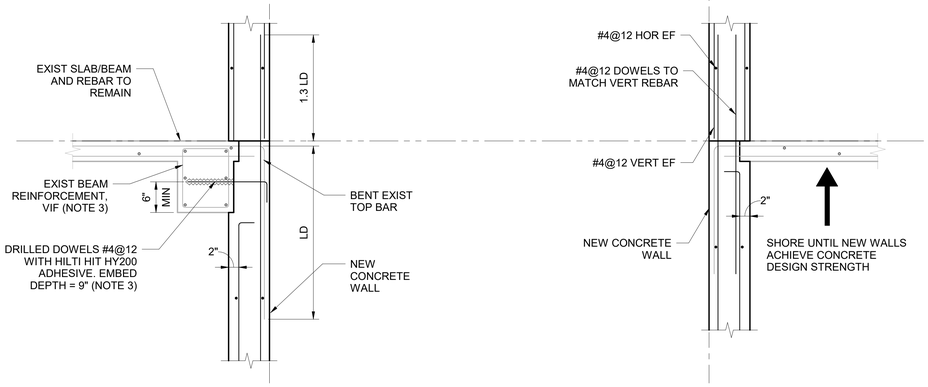
1. FLOOR-TO-FLOOR HEIGHTS SHOWN ARE BASED ON ARCHITECTURAL ELEVATIONS. CONTRACTOR TO FIELD VERIFY ALL EXISTING ELEVATIONS AND CLEARANCES PRIOR TO FABRICATION AND INSTALLATION.
2. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATOR SPECIFICATIONS FOR ELEVATOR LAYOUT, DIMENSIONS, REQUIRED CLEARANCES, SPEED, ICC A117.1 COMPLIANCE, AND ALL OTHER ELEVATOR SYSTEM REQUIREMENTS.

5 ELEVATOR SHAFT ELEVATION
1/2" = 1'-0"



1 SLAB REMOVAL PART PLAN
1/4" = 1'-0"





NOTES:

1. SCORE SLAB BY SAW CUTTING A DEPTH OF 3/4" TO DEFINE EXTENT OF DEMOLITION.
2. CHIP AND REMOVE CONCRETE WITH A LIGHT DUTY HAND HELD CHIPPING HAMMER. DO NOT DAMAGE EXISTING REINFORCING STEEL. THE LENGTH OF BAR TO REMAIN IS BASED ON EXIST #3 TOP BAR (TO BE VIF).
3. USE GPR TO LOCATE EXISTING BEAM REBAR AND STIRRUPS. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.

2 ELEVATOR SHAFT WALL AT EXISTING SLAB
1" = 1'-0"

Seal:

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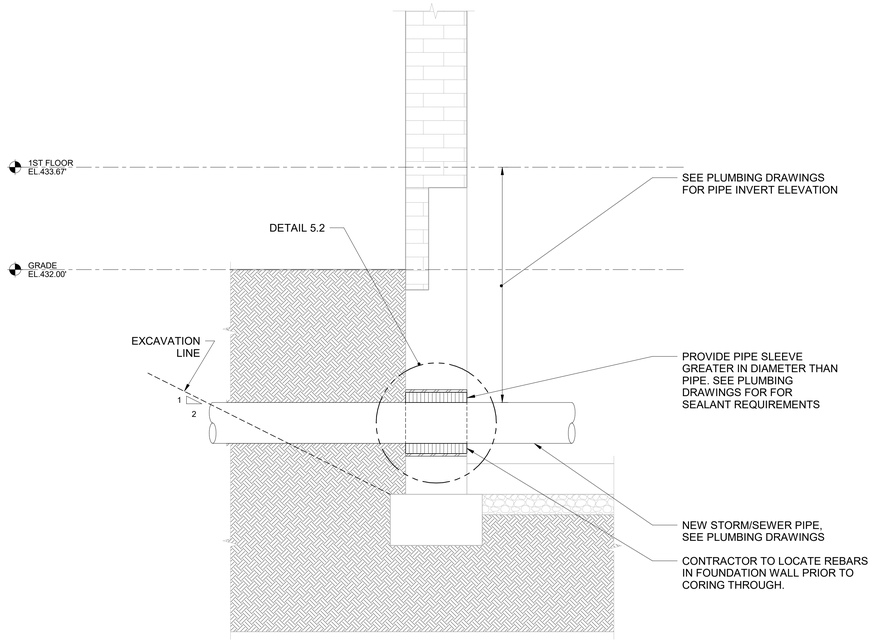
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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

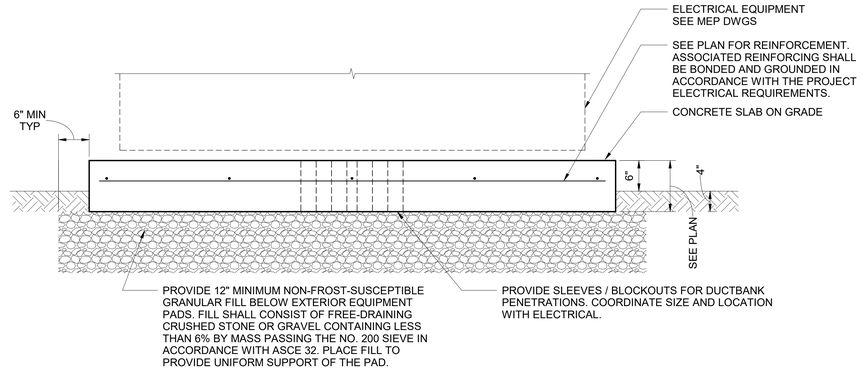
SECTIONS AND DETAILS

CONTRACT NUMBER: 25-532
SHEET NUMBER: S-301
SHEET 19 of 162
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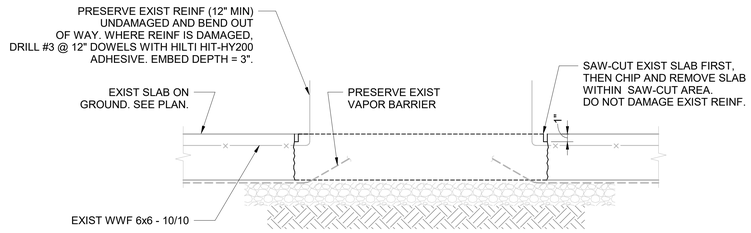
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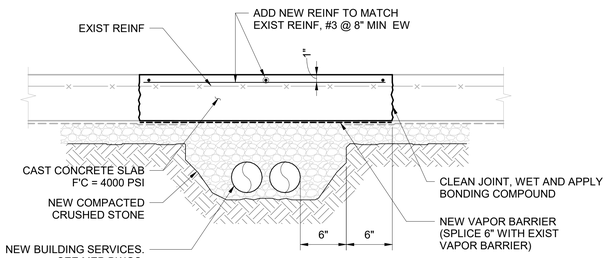
5.1 PIPE PENETRATON THROUGH FOUNDATION WALL
NTS



3 EQUIPMENT PAD ON GRADE
NTS

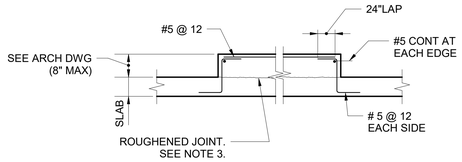


EXISTING CONDITION

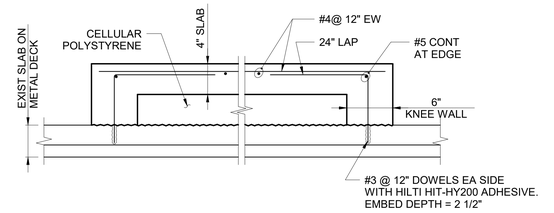


RECONSTRUCTION

4 SLAB TRENCHING DETAIL
NTS



1.1 ISOLATION/HOUSEKEEPING PAD
SCALE : NTS

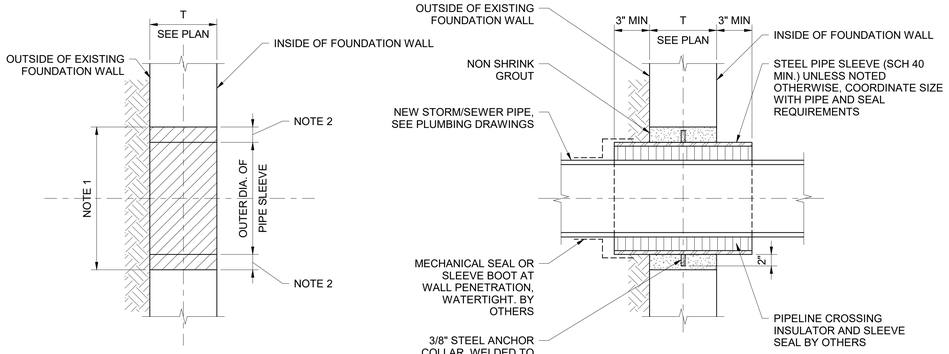


1.2 TYPICAL EQUIPMENT PAD
SCALE : NTS

NOTES:

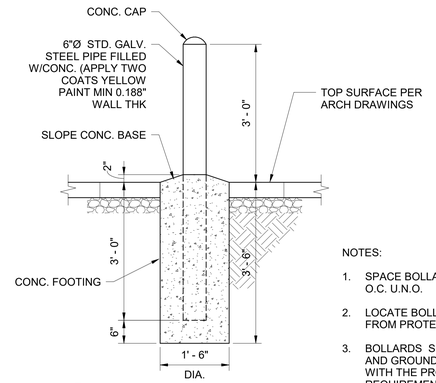
1. FOR SIZE AND LOCATION OF CURBS AND PADS SEE ARCHITECTURAL, MECHANICAL DRAWINGS.
2. ROUGHEN SURFACE OF SLAB (MIN 1/4" AMPLITUDE), CLEAN THOROUGHLY AND APPLY EPOXY BONDING COMPOUND IMMEDIATELY BEFORE CASTING PAD.
3. BEND HORIZONTAL BARS AT CORNERS AND SPLICE 24".

1 CONCRETE CURBS AND ISOLATION/HOUSEKEEPING PADS
NTS



NOTES:
1. CORE DRILL OPENING WHERE FEASIBLE. IF CORING IS NOT FEASIBLE, SAWCUT WALL TO DEFINE OPENING AND CHIP CONCRETE AS REQUIRED.
2. OVERSIZE OPENING BY 3" ALL AROUND TO ACCOMMODATE ANCHOR COLLAR.
3. LOCATE EXISTING REINFORCEMENT PRIOR TO CUTTING. CUT REINFORCEMENT AS REQUIRED FOR OPENING. ROUGHEN INTERFACE SURFACES TO PROVIDE APPROX. 1/4" PROFILE FOR BOND WITH GROUT OR INFILL MATERIAL.
4. DETAIL INTENDED FOR 8" STORM PIPE. VERIFY APPLICABILITY FOR LARGER PIPE SIZES.

5.2 STEEL FRAMING AT WALL OPENING
NTS



NOTES:

1. SPACE BOLLARDS 4'-0" MAXIMUM O.C. U.N.O.
2. LOCATE BOLLARDS 3'-0" MINIMUM FROM PROTECTED EQUIPMENT.
3. BOLLARDS SHALL BE BONDED AND GROUNDED IN ACCORDANCE WITH THE PROJECT ELECTRICAL REQUIREMENTS.

2 PIPE BOLLARD
NTS

5 PIPE PENETRATION IN FOUNDATION WALL
NTS

Seal:

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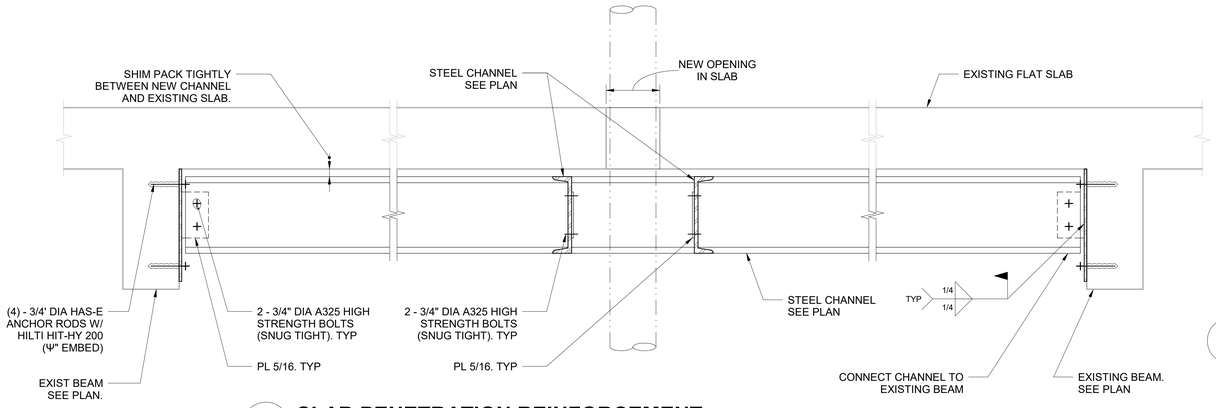
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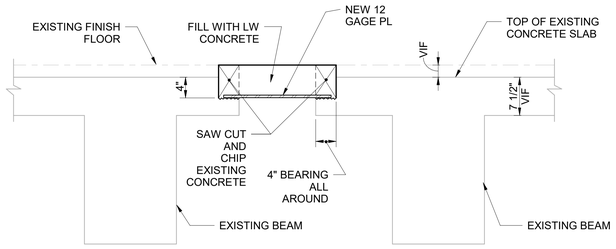
BUILDING 1 REHABILITATION
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TYPICAL DETAILS

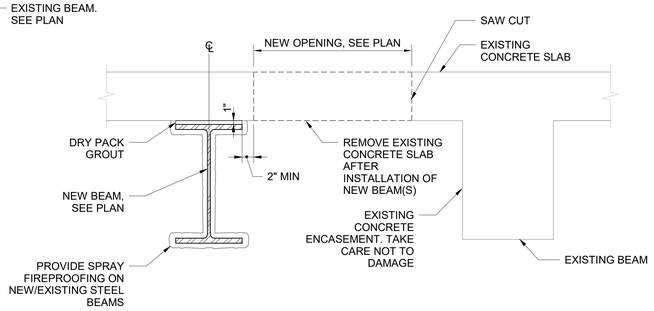
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SHEET NUMBER: S-400
SHEET 20 of 162
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DATE: 09/02/2026
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REV NO.: 0

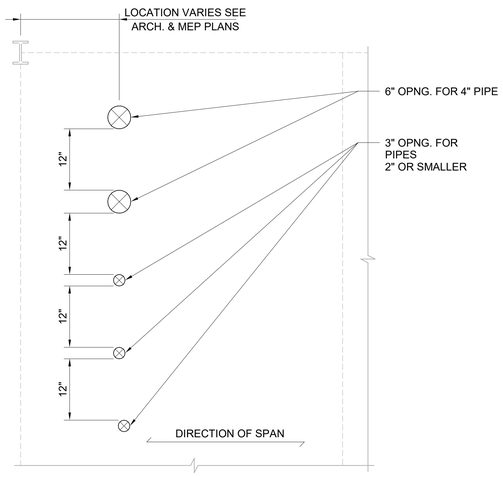


4 SLAB PENETRATION REINFORCEMENT
1" = 1'-0"



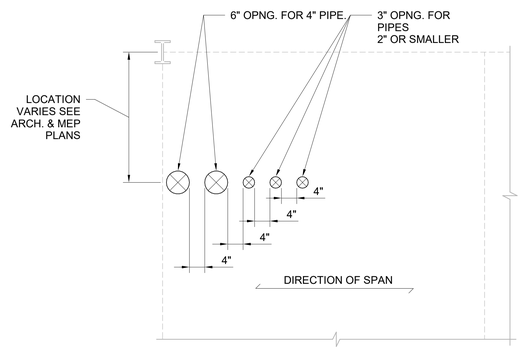
3 INFILL EXISTING OPENING LESS THAN 12"x12"
12" = 1'-0"





NOTE: IF TIE RODS ATTACHED TO EXTERIOR BEAMS OR BEAMS FRAMING AN OPENING ARE CUT, INSTALL 1/4"x4" PL ADJACENT TO CORE WELDED TO BOTTOM OF BEAMS

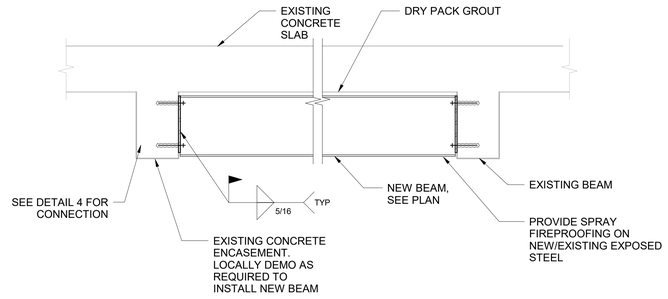
B.1 PARALLEL TO SLAB SPAN



B.1 PARALLEL TO SLAB SPAN

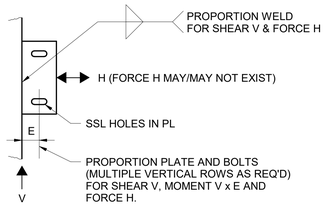
7 TYPICAL DETAIL FOR RISER OPENINGS
12" = 1'-0"

C.1 TYPICAL NEW SLAB OPENING DETAIL



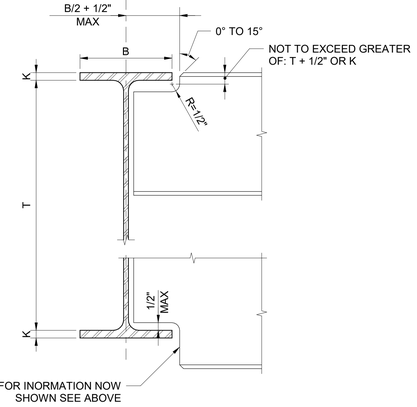
C.2 TYPICAL NEW BEAM AT OPENING DETAIL

5
NTS



NOTE: CONTRACTOR'S OPTION TO PROVIDE STANDARD ROUND HOLES IN CONNECTION PL OR SHORT-SLOTTED HOLES AS SHOWN ABOVE.

6 BEAM END SHEAR BAR CONNECTION DETAIL
NTS



NOTES:

1. AS PART OF CONTRACTOR'S CONNECTION DESIGN, ALL BEAM COPES AND CUTS SHALL BE REVIEWED IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION. REINFORCE BEAM WEB AS REQUIRED.

2 BEAM COPE
NTS

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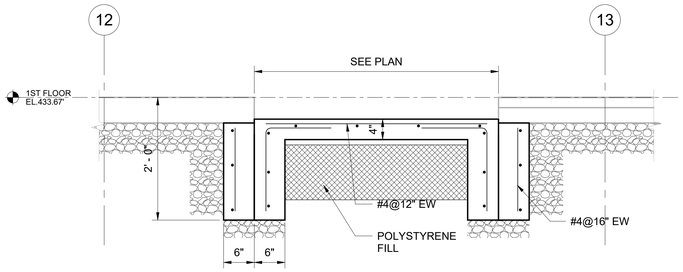
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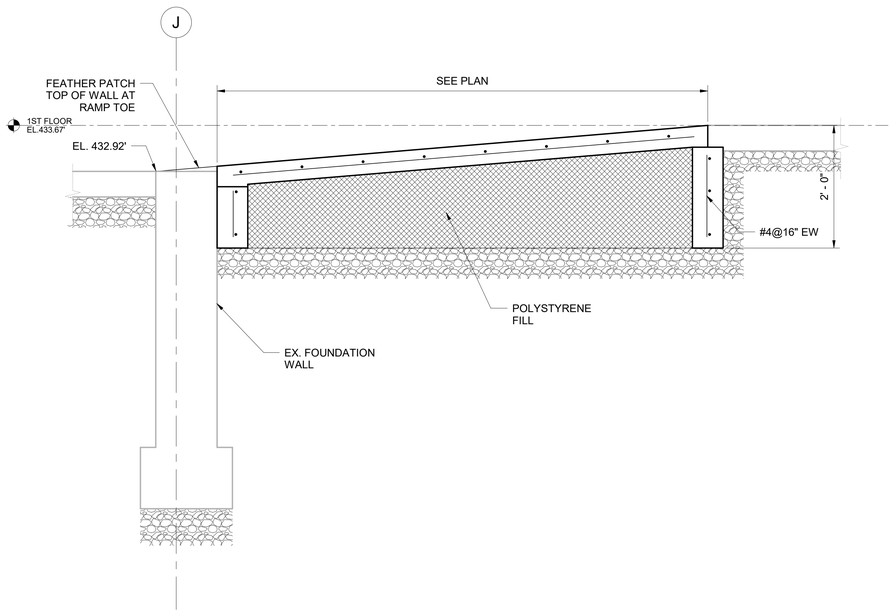
TYPICAL DETAILS

CONTRACT NUMBER 25-532
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REV NO. 0

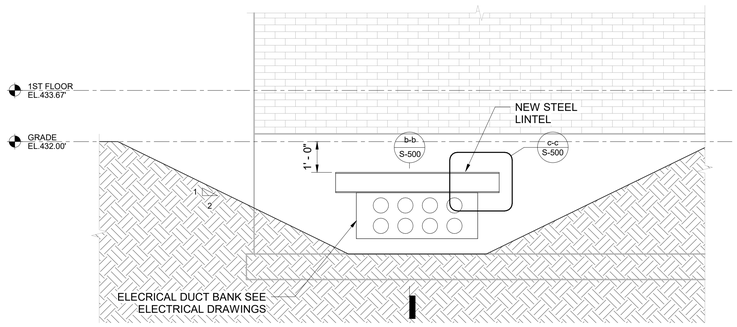
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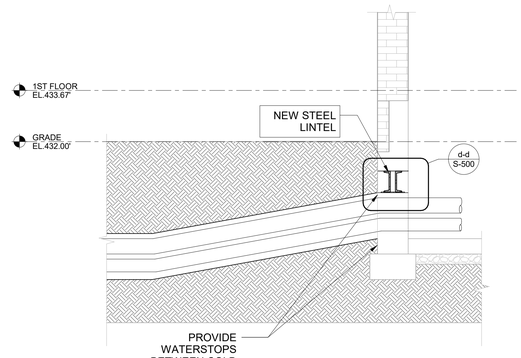
2 INTERIOR RAMP
1" = 1'-0"



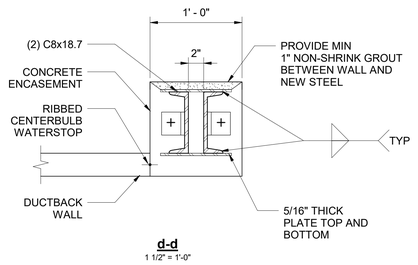
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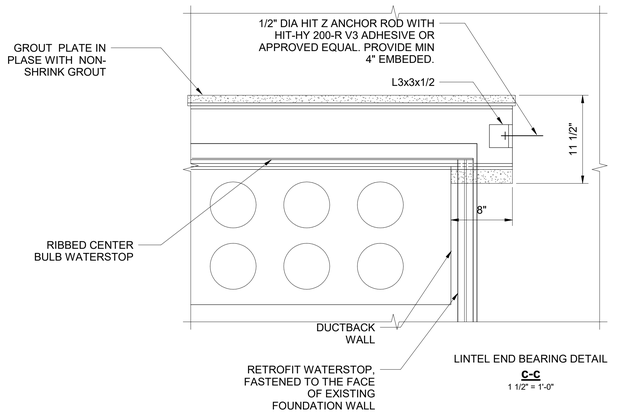
WALL OPENING: THE CONTRACTOR IS REQUIRED TO VERIFY AND CONFIRM THE FINAL DIMENSIONS WITH THE ARCHITCTURAL/MEP DRAWINGS BEFORE COMMENCING CONSTRTUCTION



b-b



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



LINTEL END BEARING DETAIL

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

1 OPENINGS IN FOUNDATION WALLS
1/2" = 1'-0"

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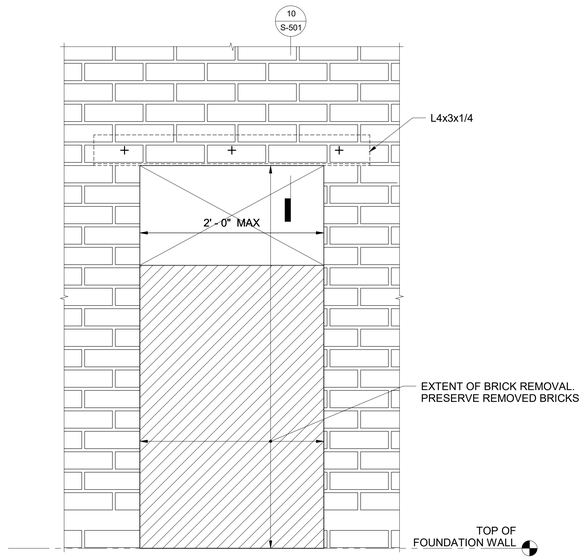
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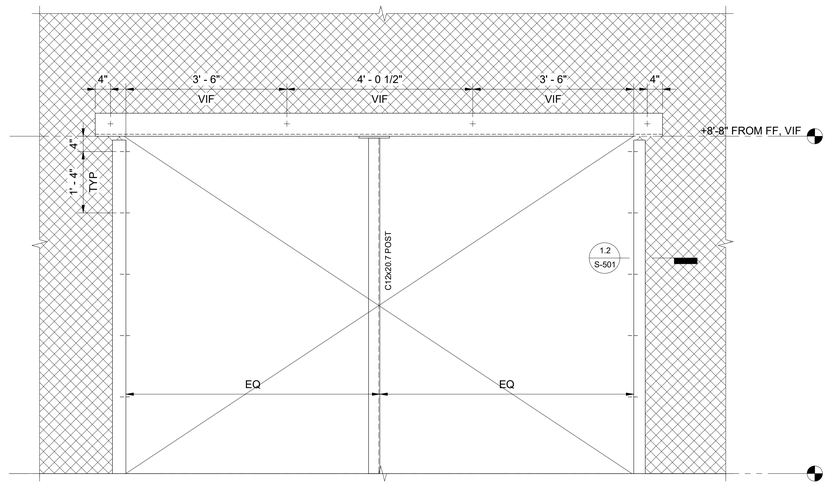
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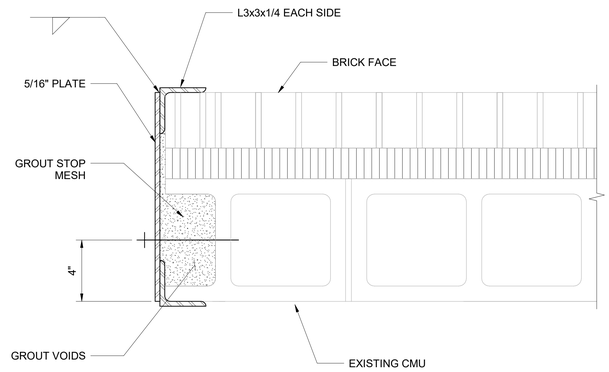
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SHEET 22 of 162
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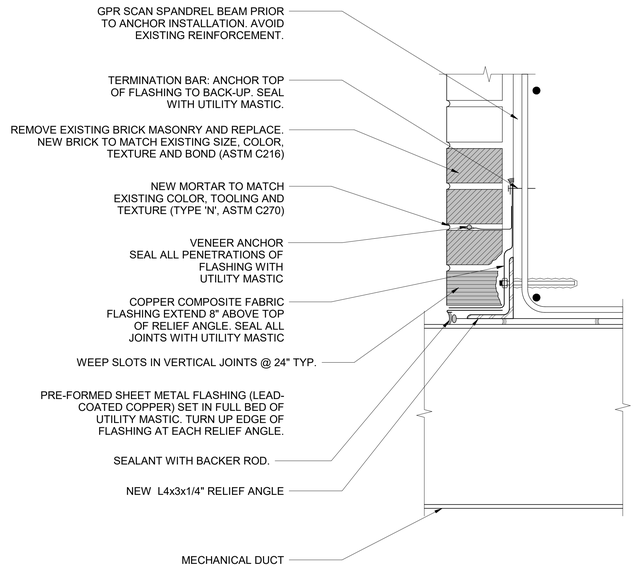




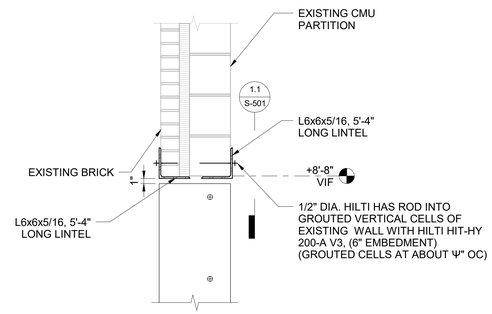
1.1 STEEL FRAMING AT WALL OPENING
3/4" = 1'-0"



1.2 STEEL FRAMING AT WALL OPENING
3" = 1'-0"



a-a
3" = 1'-0"



1.3 STEEL FRAMING AT WALL OPENING
1" = 1'-0"

2 GRID LINE J PENETRATIONS FOR MECHANICAL DUCTWORK
1 1/2" = 1'-0"

1 STEEL FRAMING AT WALL OPENING
1" = 1'-0"

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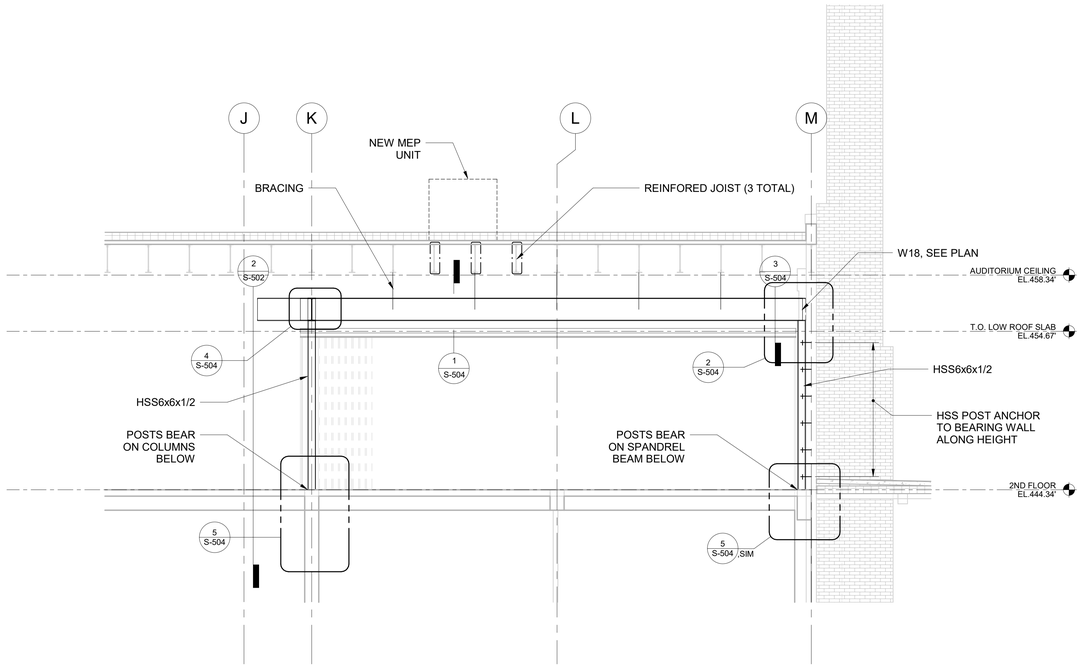
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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

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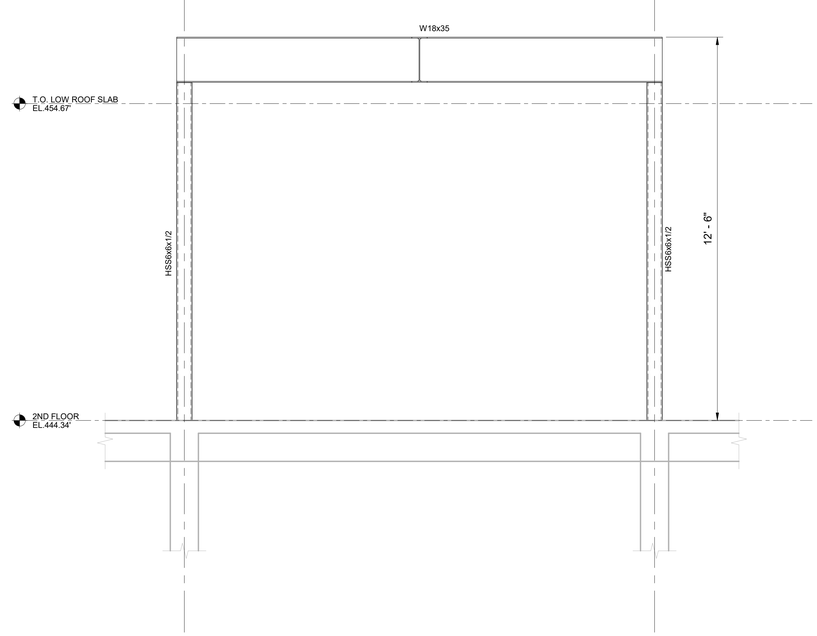
CONTRACT NUMBER 25-532
SHEET NUMBER S-501
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1 MOVABLE WALL SUPPORT FRAME ELEVATION

1/4" = 1'-0"



2 MOVABLE WALL SUPPORT FRAME ELEVATION

1/2" = 1'-0"

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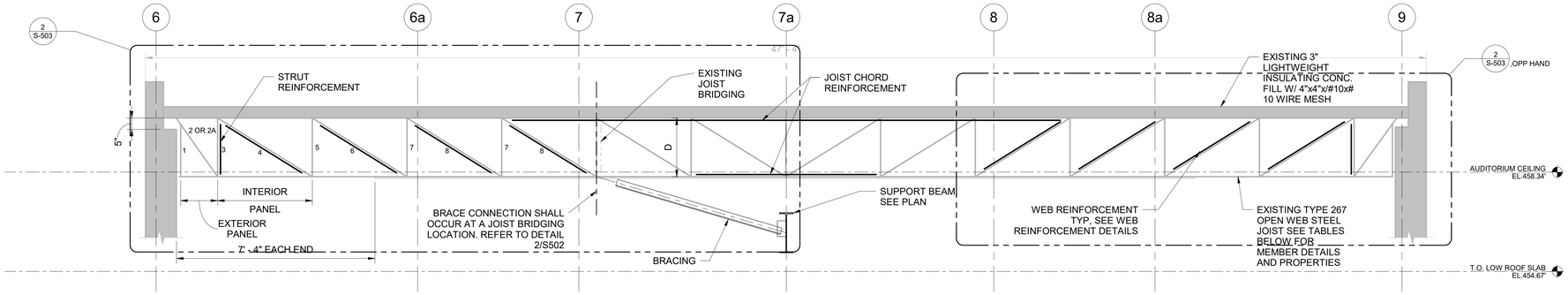
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DIMENSIONS AND DETAILS

JOIST TYP	JOIST DEPTH INCHES "D"	PANEL LENGTHS			CHORDS		WEB MEMEBERS									
		EXTERIOR		INTERIOR	TOP 2 ANGLES	BOTTOM 2 ANGLES	STRUTS - 2 ANGLES (EXCEPT BAR WEBS)				DIAGONALS - 1 PC. (EXCEPT MEMBER 2A)					
		MIN	MAX				1	3	5	7	2	2A	4	6	8	
267	26	2'-7 1/2"	4'- 4 1/2"	3'- 6"	3x2 1/2 x 1/4	2 1/2 x 2 x 1/4	1 3/4 x 1 3/4 x 3/16	1 1/4 x 1 1/4 x 3/16	1 1/4 x 1 1/4 x 3/16	1 1/4 x 1 1/4 x 3/16	PL 3 x 3/8	2x2x1/4	PL 2 1/2 x 1/4	PL 2x1/4	PL 1 1/2 X 1/4	

NOTE: THE MEMBER PROPERTIES IN THE TABLE ARE DERIVED FROM THE BETHLEHEM STEEL CATALOG FOR OPEN-WEB STEEL JOISTS, 1952 EDITION.

TOTAL SAFE UNIFORM LOADS PER LINEAR FOOT

LONGSPAN			MAXIMUM END REACTION IN POUNDS	CLEAR SPAN IN FEET											
TYPE	DEPTH IN INCHES	APPROX. WT. IN LBS. PER FOOT		41	42	43	44	45	46	47	48	49	50	51	52
267	26	21	7011	342	330	319	308	297	287	278	269	259	249	240	231

NOTE: TOTAL SAFE LOADS CONSIST OF LIVE LOAD AND DEAD LOAD INCLUDING WEIGHT OF LONGSPAN, UNIFORMLY DISTRIBUTED ALONG THE TOP CHORD. WHEN OTHERWISE LOADED, LONGSPANS MUST BE INVESTIGATED. THE TOP CHORD IS CONSIDERED AS STAYED LATERALLY BY FLOOR SLAB OR ROOF DECK. WHEN HOLES ARE PUNCHED IN GOVERNING MEMBERS, THE SALE LOAD MUST BE REDUCED ACCORDINGLY.

SPANS SHOWN TO THE RIGHT OF THE HEAVY VERTICAL LINE IN THE TABLE SHOULD BE USED FOR ROOF CONSTRUCTION ONLY. LOADS SHOWN BELOW BROKEN LINES ARE LIMITED BY END REACTION.

1 ROOF JOIST ELEVATION

1/2" = 1'-0"

JOIST REINFORCEMENT LENGTH NOTES:

1. REINFORCEMENT LENGTHS PROVIDE ABOVE ARE APPROXIMATE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD. REINFORCEMENT MAY BE FABRICATED LONG AND FILED CUT AS REQUIRED TO MEE MINIMUM REINFORCEMENT LENGHT AS REQUIRED ABOVE.
2. UON IN PLAN, PROVIDE JOIST REINFOREMENT LENGTH ABOVE FOR JOISTS.

3 JOIST REINFORCEMENT AND SHORING - ELEVATION

1/4" = 1'-0"

JOIST REINFORCEMENT WELDING NOTES:

1. PULSED WELDING PROCESS SHALL BE USED TO ENSURE MAXIMUM CONTROL OVER POWER AND HEAT INPUT. SUBMIT WELDING MACHINE AND WELDING PROCEDURES FOR REVIEW.
2. ADJUST WELDING AMPERAGE TO TAKE CARE TO NOT BURN THROUGH OR DAMAGE EXISTING JOIST STEEL. JOIST STEEL IS RELATIVELY THIN. WELD SIZE SHOWN SHALL NOT BE EXCEEDED.
3. WELDERS WORKING ON EXISTING JOISTS SHALL BE EXPERIENCED IN WELDING THIN MATERIALS AND PULSE WELDING. SUBMIT WELDER QUALIFICATIONS FOR REVIEW.

4 JOIST TOP AND BOTTOM CHORD REINFORCEMENT - SECTION

1 1/2" = 1'-0"

JOIST REINFORCEMENT LENGTH NOTES:

1. WEB REINFORCING PLATES SHALL BE INSTALLED ON ONE SIDE OF EXISTING JOIST.
2. ALL NEW REINFORCING PLATES ARE FY36. WHEN WELDIND, TAKE PRECAUSTIONS NOT TO BURN THROUGHT OR DAMAGE EXISTING JOIST STEEL, WELDING REQUIREMETS PER WELDING NOTES IN DETAIL 4/S-503 SHALL ALSO APPLY TO INSTALLATION OF WEB REINFORCEMENT.
3. TO THE EXTENT POSSIBLE, INSTALL NEW REINFORCING PLATES PARALLEL TO EXISTING WEB MEMBERS. PROVIDE SHIM PLATES AS NEEDED TO PREVENT GAPS BETWEEN THE REINFORCEMENT AND EXISTING STEEL.
4. NEW REINFORCING PLATES MAY BE FABRICATED LONG AND CUT TO SIZE FIELD. GRIND FIELD CUTS SMOOTH PRIOR TO INSTALLATION.

2 ROOF JOIST REINFORCEMENT

1" = 1'-0"

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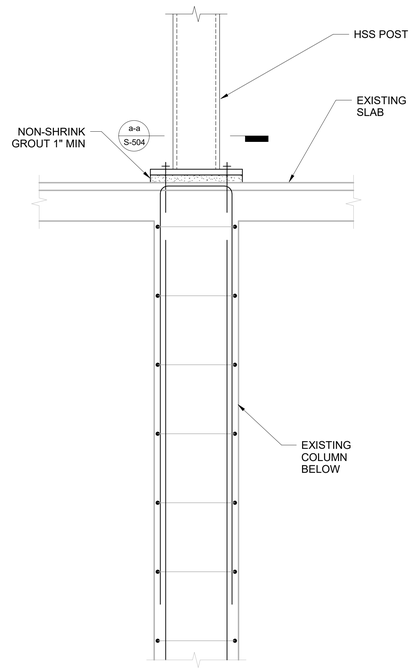
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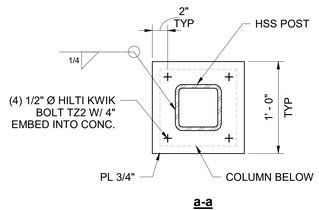
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25-532	S-503

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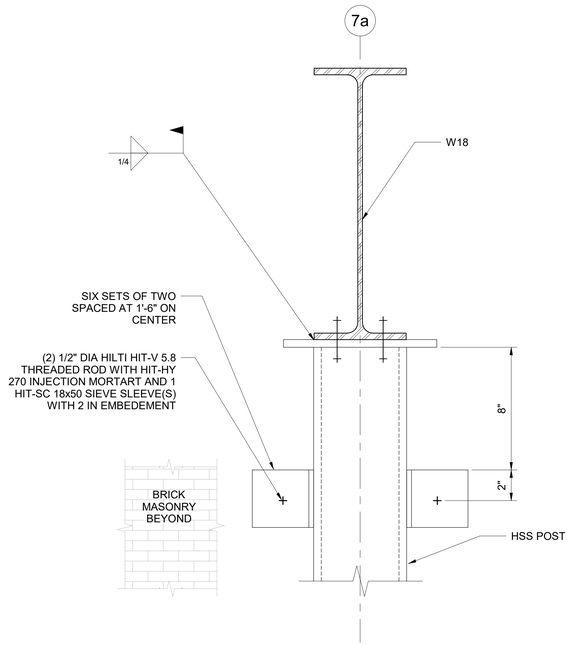
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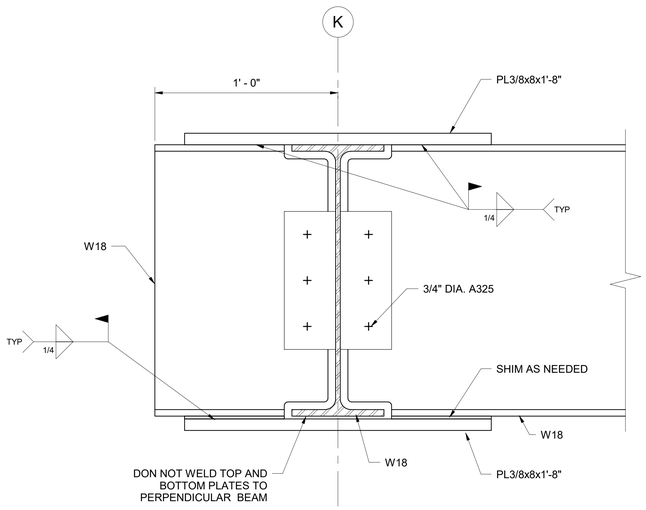


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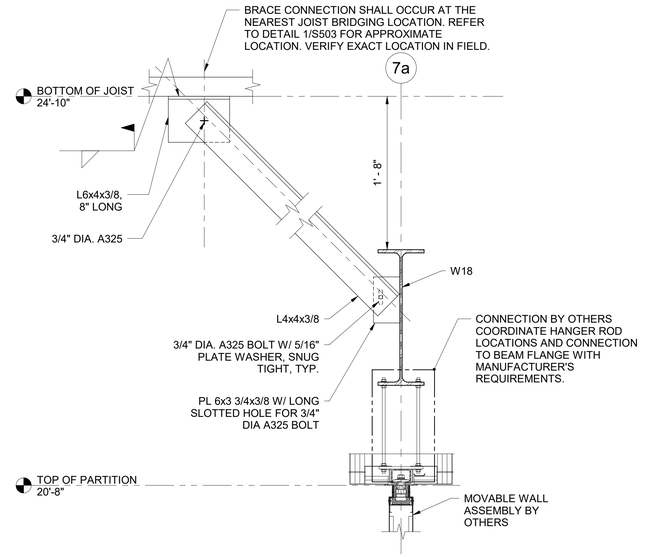
5 BASE OF POST
1 1/2" = 1'-0"



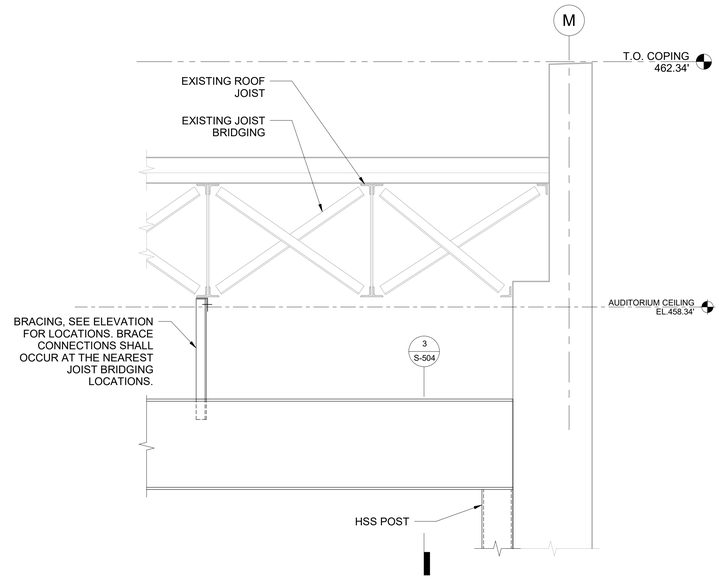
3 HSS POST AT GIRDLINE M
3" = 1'-0"



4 BEAM CONNECTOIN
3" = 1'-0"



1 MOVABLE WALL SUPPORT BEAM
1 1/2" = 1'-0"



2 MOVABLE WALL SUPPORT BEAM
1" = 1'-0"

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DATE: 09/02/2026

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PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

SECTIONS AND DETAILS

CONTRACT NUMBER	25-532
SHEET NUMBER	S-504
SHEET 26 of 162	
SCALE: AS SHOWN	
DATE: 09/02/2026	
DPW FILE NO.	48-08-S-397-0
REV NO.	0

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FILE: Autodesk Docs://M+ Westchester Airport - Building 1\Westchester Airport - BLDG 1_STRUCT-R24.rvt

PART I. MASONRY HELICAL TIES

A. GENERAL

1. THIS SECTION PERTAINS TO ALL OTHER SECTIONS OF THESE SPECIFICATIONS THAT REQUIRE POST-INSTALLED HELICAL TIES, UNLESS SPECIFIED OTHERWISE. REQUIREMENTS PERTAINING TO POST-INSTALLED HELICAL TIE WORK INCLUDING, BUT NOT LIMITED TO, FURNISHING AND INSTALLING HELICAL TIES AND PROVIDING ALL EQUIPMENT, LABOR, SERVICES, AND ACCESS TO COMPLETE THE WORK:

   A. HELICAL WALL TIES TO CONNECT MULTIPLE WYTHES OF MASONRY OR OTHER WALL CONSTRUCTION TOGETHER

2. RELATED DOCUMENTS

   A. DIVISION 1: GENERAL REQUIREMENTS

   B. DIVISION 4: MASONRY

3. REFERENCES

   USE THE MOST RECENT EDITION OF THE FOLLOWING REFERENCED STANDARDS BASED ON CURRENT, JURISDICTIONAL CODE ADOPTIONS.

   A. ANSI B212.15 - CUTTING TOOLS - CARBIDE-TIPPED MASONRY DRILLS AND BLANKS FOR CARBIDE-TIPPED MASONRY DRILLS

   B. ASTM E3121 - STANDARD TEST METHODS FOR FIELD TESTING OF ANCHORS IN CONCRETE OR MASONRY

   C. CSA A370 - CONNECTORS FOR MASONRY

   D. SAE J405 - CHEMICAL COMPOSITIONS OF SAE WROUGHT STAINLESS STEELS

   E. TMS 402/602 - BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES

   F. 29 CFR, STANDARD 1926 - SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION

4. SUBMITTALS AND SUBSTITUTIONS

   SUBMITTALS AND SUBSTITUTIONS SHALL BE IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT DOCUMENTS, DIVISION 1: GENERAL REQUIREMENTS, AND THE FOLLOWING PROCEDURES.

   A. SUBMITTALS: SUBMIT PRODUCT DATA FOR PROPRIETARY PRODUCTS AND MATERIALS LISTED UNDER PART 2 - PRODUCTS OF THIS SECTION THAT INCLUDES:GENERAL PRODUCT INFORMATION

      1) GENERAL PRODUCT INFORMATION

      2) TECHNICAL PERFORMANCE DATA

      3) MATERIAL SAFETY DATA SHEETS (MSDS)

      4) MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPII)

      5) RESULTS OF PRE-CONSTRUCTION, SITE-SPECIFIC, FIELD TESTING PROGRAM WHEN REQUIRED BY THE CONTRACT DOCUMENTS OR PROJECT EXITING CONDITIONS.

   B. SUBSTITUTIONS

      1) THE CONTRACTOR SHALL SUBMIT TECHNICAL PERFORMANCE DATA AND CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED DESIGN PROFESSIONAL DEMONSTRATING THAT THE PRODUCT SUBSTITUTION IS CAPABLE OF ACHIEVING PERFORMANCE VALUES EQUAL TO, OR BETTER THAN, THE SPECIFIED PRODUCT USING APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE CONTRACT DOCUMENTS AND APPLICABLE BUILDING CODE.

      2) CALCULATIONS SHALL SPECIFY THE DIAMETER AND EMBEDMENT DEPTH REQUIRED OF THE SUBSTITUTED PRODUCT AS WELL AS THE DIAMETER OF DRILL BITS AND DRILLING PROCEDURES REQUIRED TO DRILL HOLES FOR THE INSTALLATION.

      3) THE CONTRACTOR SHALL SUBMIT RESULTS OF A PRE-CONSTRUCTION, SITE-SPECIFIC, FIELD TESTING PROGRAM FOR PRUDUCT PROPOSED AS SUBSTITUTES WHEN SUCH FIELD TESTING IS REQUIRED BY THE CONTRACT DOCUMENTS OR PROJECT EXISTING CONDITIONS.

      4) SUBSTITUTION REQUESTS MUST BE ACCOMPANIED BY ALL SUBMITTAL INFORMATION REQUIRED OF THE SPECIFIED PRODUCT FOR WHICH THE SUBSTITUTION IS PROPOSED.

      5) ANY INCREASE IN COSTS FOR SUCH SUBSTITUTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. QUALITY ASSURANCE

   A. INSTALLER QUALIFICATIONS: INSTALLERS SHALL BE TRAINED BY A QUALIFIED, HELICAL TIE PRODUCT MANUFACTURER'S REPRESENTATIVE TO ASSURE PROPER INSTALLATION.

   B. THE INSTALLER SHALL BE EXPERIENCED WITH THE INSTALLATION OF PRODUCT SIMILAR OR EQUAL TO THE TYPE SPECIFIED, AND INTO THE BASE MATERIAL REQUIRED FOR THE PROJECT, OR SHALL OTHERWISE BE ACCEPTABLE TO THE OWNER.

6. DELIVERY, STORAGE, AND HANDLING

   A. DELIVER PRODUCTS TO JOB SITE UNDAMAGED AND IN PRODUCT MANUFACTURER'S OR DISTRIBUTOR'S ORIGINAL PACKAGING, COMPLETE WITH INSTALLATION INSTRUCTIONS.

   B. PROTECT AND HANDLE MATERIALS IN ACCORDANCE WITH PRODUCT MANUFACTURER'S RECOMMENDATIONS TO PREVENT PRODUCT DAMAGE, DEGRADATION, OR DETERIORATION.

7. PROJECT CONDITIONS

   A. CONTRACTOR SHALL NOTIFY THE REGISTERED DESIGN PROFESSIONAL OF INADEQUATE, DETERIORATED, POOR QUALITY, AND/OR INAPPROPRIATE BASE MATERIAL CONDITIONS PRIOR TO COMMENCING THE WORK.

   B. THE PRODUCT STEEL TYPE MUST PROVIDE SUITABLE CORROSION RESISTANCE FOR THE ANTICIPATED SERVICE ENVIRONMENT FOLLOWING PROPER INSTALLATION.

   C. PRE-CONSTRUCTION, SITE-SPECIFIC, FIELD TESTING PROGRAM

      1) PRE-CONSTRUCTION, SITE-SPECIFIC, FIELD TESTING OF PRODUCT MAY BE SPECIFIED OR REQUIRED WHEN BASE MATERIALS ARE OF UNKNOWN QUALITY OR POOR EXISTING CONDITION TO DETERMINE SPECIFIC INSTALLATION PARAMETERS, I.E. DRILL BIT DIAMETER, HOLE DRILLING PROCEDURES, ETC., TO OPTIMIZE PRODUCT PERFORMANCE.

      2) RESULTS OF THE PRE-CONSTRUCTION, SITE-SPECIFIC, FIELD TESTING PROGRAM SHALL BE DOCUMENTED IN A WRITTEN FIELD TEST REPORT. THE FIELD TEST REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING INFORMATION: MAXIMUM TENSION PERFORMANCE, TENSION PERFORMANCE/AXIAL DEFLECTION RELATIONSHIP, EMBEDMENT DEPTH, DRILL BIT SIZE, AND ROTOHAMMER SETTINGS FOR EACH TEST AND BASE MATERIAL TESTED.

      3) PRE-CONSTRUCTION, SITE-SPECIFIC, FIELD TESTING SHALL CONFORM TO ASTM E3121 TO THE GREATEST EXTENT POSSIBLE AND SHALL BE CONDUCTED BY QUALIFIED FIELD TECHNICIANS USING CALIBRATED TEST EQUIPMENT.

B. PRODUCTS

1. HELICAL TIES

   A. POST-INSTALLED HELICAL TIES FOR USE IN MASONRY/CONCRETE BASE MATERIALS SHALL BE FEATURE RADIAL FINS FORMED ON THE STEEL WIRE VIA COLD ROLLING PROCESS SUITABLE TO SUPPORT AND RESIST STRUCTURAL DEMAND LOADING BY MEANS OF TENSION, COMPRESSION OR A COMBINATION OF BOTH.

   B. MATERIAL: TYPE 304 OR 316 STAINLESS STEEL AS SPECIFIED FOR THE PROJECT CONDITIONS.

   C. HELICAL TIES SHALL BE INSTALLED USING THE MANUFACTURER'S ACCESSORIES.

2. NON-SHRINK REPAIR MORTAR

   A. MINIMUM PROPERTIES FOR NON-SHRINK GROUT OR MORTAR ARE IN THE TABLE BELOW. FAILURE TO MEET THESE MINIMUM PROPERTIES MAY RESULT IN DECREASED PERFORMANCE.

COMPRESSIVE STRENGTH - 7 DAYS	4,500 PSI (31.1 MPa)
COMPRESSIVE STRENGTH - 28 DAYS	6,400 PSI (44.2 MPa)
TENSILE STRENGTH - 7 DAYS	310 PSI (2.14 MPa)
FLEXURAL STRENGTH - 28 DAYS	680 PSI (4.69 MPa)

3. EQUIPMENT AND TOOLS FOR INSTALLING WALL TIES

   A. DRILL BIT. DRILL BIT SHALL BE CARBIDE-TIPPED AND CONFORMING TO ANSI B212.15.DIAMETER SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS.

   B. INSTALLATION TOOL. USE INSTALLATION TOOL AS SPECIFIED BY THE HELICAL TIE MANUFACTURER.

C. EXECUTION

1. EXAMINATION

   A. EXAMINE SUPPORTING BASE MATERIALS AND ENVIRONMENTAL CONDITIONS. DO NOT BEGIN INSTALLATION UNTIL BASE MATERIALS HAVE BEEN PROPERLY PREPARED.

   B. UNLESS OTHERWISE SPECIFIED, DO NOT DRILL HOLES OR COMMENCE HELICAL WALL TIE INSTALLATIONS IN CONCRETE OR MASONRY UNTIL THE CONCRETE, MORTAR, OR GROUT BASE MATERIALS HAVE ACHIEVED THEIR FULL DESIGN STRENGTH.

2. INSTALLATION

   INSTALLATIONS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPII) OR TO ALTERNATIVE PROCEDURES SPECIFIED IN THE CONTRACT DOCUMENTS. INSTALLATION PROCEDURES SPECIFIED IN THE CONTRACT DOCUMENTS SHALL SUPERSEDE PROCEDURES IN THE MPII.

   A. FOR WALL TIE APPLICATIONS

      1) DRILL ALL HOLES FOR HELICAL TIES USING CARBIDE-TIPPED DRILL BITS OF THE DIAMETER SPECIFIED IN THE CONTRACT DOCUMENTS OR OTHERWISE RECOMMENDED IN THE MPII. DRILL HOLES WITH ROTOHAMMER SETTING SET AS SPECIFIED IN THE CONTRACT DOCUMENTS OR OTHERWISE RECOMMENDED IN THE MPII. IT IS SUGGESTED TO USE ROTATION ONLY MODE FOR SOFT OR HOLLOW MATERIALS.

      2) IDENTIFY POSITION OF BED JOINT REINFORCEMENT, REINFORCING STEEL AND/OR OTHER EMBEDDED ITEMS PRIOR TO DRILLING HOLES FOR TIES. EXERCISE CARE IN DRILLING TO AVOID DAMAGING EXISTING REINFORCING OR EMBEDDED ITEMS. NOTIFY THE REGISTERED DESIGN PROFESSIONAL OF RECORD IF REINFORCING STEEL OR OTHER EMBEDDED ITEMS ARE ENCOUNTERED DURING HOLE DRILLING PROCEDURES.

      3) DRILL HOLES FOR HELICAL WALL TIES ACCURATELY AND SQUARELY WITHOUT EXCESSIVE DRILL BIT WOBBLE AT LOCATIONS AND SPACING SPECIFIED IN THE CONTRACT DOCUMENTS. DRILL HOLES PERPENDICULAR TO BASE MATERIAL, UNLESS OTHERWISE SPECIFIED.

      4) DRILL HOLES CONTINUOUSLY AND TO THE SPECIFIED EMBEDMENT DEPTH THROUGH ALL FACING AND BACK-UP BASE MATERIALS TO BE TIED TOGETHER.

      5) INSTALL HELICAL TIES INTO HOLES PRE-DRILLED IN BASE MATERIALS USING THE MANUFACTURER'S RECOMMENDED INSTALLATION TOOL.

      6) POSITION CORRECT END OF HELICAL TIE INTO THE MANUFACTURER'S INSTALLATION TOOL SET IN AN SDS-PLUS ROTOHAMMER AND DRIVE THE HELICAL TIE INTO THE PRE-DRILLED HOLE WITH THE ROTOHAMMER SET IN HAMMER MODE. DRIVE THE HELICAL TIE INTO THE BASE MATERIAL UNTIL THE HELICAL TIE IS COUNTERSUNK BEYOND THE FACING BASE-MATERIAL SURFACE AS SPECIFIED OR TO THE DEPTH PERMITTED BY THE INSTALLATION TOOL. INSTALL SPECIFIED PATCH/REPAIR MATERIAL TO MATCH EXISTING FINISH SURFACE MATERIAL.

      7) WHERE THE HELICAL TIE MANUFACTURER RECOMMENDS USE OF SPECIAL TOOLS FOR INSTALLATION OF TIES, SUCH TOOLS SHALL BE USED, UNLESS OTHERWISE SPECIFICALLY PERMITTED BY THE REGISTERED DESIGN PROFESSIONAL OF RECORD.

3. FIELD QUALITY CONTROL

   A. SPECIAL INSPECTION

      1) WHEN SPECIAL INSPECTION IS REQUIRED UNDER THE CONTRACT, THE CONTRACTOR SHALL NOTIFY THE OWNER'S SELECTED SPECIAL INSPECTION AGENCY OF THE HELICAL TIE INSTALLER'S INTENT TO COMMENCE WORK, PROVIDING AT LEAST 72 HOURS ADVANCED NOTICE.

      2) THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR WITH SAFE ACCESS TO THE WORK AND A REPRESENTATIVE FROM THE CONTRACTOR SHALL ACCOMPANY THE SPECIAL INSPECTOR AT ALL TIME DURING SPECIAL INSPECTION, UNLESS OTHERWISE AGREED BETWEEN THE CONTRACTOR, OWNER, AND SPECIAL INSPECTION AGENCY.

4. FIELD TESTING

   A. HELICAL TIE INSTALLATIONS SHALL BE TESTED DURING CONSTRUCTION BY QUALIFIED FIELD TECHNICIANS ACCEPTABLE TO THE OWNER AND REGISTERED DESIGN PROFESSIONAL OF RECORD USING PROPERLY CALIBRATED, MANUFACTURER-RECOMMENDED, PROPRIETARY TESTING EQUIPMENT WHEN SUCH FIELD TESTING IS SPECIFIED UNDER THE CONTRACT.

   B. FREQUENCY OF HELICAL WALL TIE TESTING SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

PART II. MASONRY RESTORATION

A. GENERAL

1. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE BUILDING CODES, AND THE MOST STRINGENT REQUIREMENTS OF ALL REFERENCED STANDARDS INCLUDING ASTM, ACI, BRICK INDUSTRY ASSOCIATION, AND NEW YORK STATE BUILDING CODE.

2. WORK INCLUDES REPOINTING DETERIORATED MORTAR JOINTS, REMOVAL AND REPLACEMENT OF DETERIORATED, MISSING, OR CRACKED BRICK, INSTALLATION OF HELICAL ANCHORS, AND CLEANING/RESTORATION AS INDICATED.

3. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. NOTIFY THE DESIGN TEAM OF ANY DISCREPANCIES OR UNANTICIPATED CONDITIONS BEFORE REPAIRS ARE INITIATED.

4. ALL MATERIALS SHALL BE FROM A SINGLE SOURCE FOR EACH MATERIAL TYPE TO ENSURE UNIFORMITY IN QUALITY, COLOR, PATTERN, AND TEXTURE. MORTAR AND BRICK SHALL BE COMPATIBLE WITH EXISTING MASONRY.

5. PROTECT ADJACENT CONSTRUCTION, SURFACES, WINDOWS, LEDGES, AND PROJECTIONS FROM MORTAR, DEBRIS, AND CLEANING OPERATIONS. PREVENT STAINING AND REMOVE GROUT/MORTAR FROM SURFACES IMMEDIATELY IF CONTACT OCCURS.

6. COLD WEATHER AND HOT WEATHER CONDITIONS SHALL BE ADDRESSED PER BRICK INDUSTRY ASSOCIATION GUIDELINES. DO NOT PREPARE OR PLACE MORTAR WHEN AMBIENT TEMPERATURES EXCEED 90 DEGREES FAHRENHEIT OR WHEN CONDITIONS ARE DETRIMENTAL TO MORTAR PERFORMANCE.

7. DELIVER AND STORE BRICKS UNDER COVER TO PREVENT MOISTURE, CONTAMINATION, OR DAMAGE. STORE MASONRY MATERIALS IN A DRY, PROTECTED LOCATION.

B. MORTAR REMOVAL AND REPOINTING

1. REMOVE DETERIORATED MORTAR FROM JOINTS TO A UNIFORM DEPTH OF AT LEAST TWO TIMES THE JOINT WIDTH, BUT NOT LESS THAN ¾ INCH, UNTIL SOUND, UNWEATHERED MORTAR IS EXPOSED. DO NOT DAMAGE OR SPALL EXISTING MASONRY UNIT EDGES.

2. RINSE JOINTS WITH WATER TO REMOVE DEBRIS. TIME RINSING SO THAT JOINTS ARE DAMP WITH NO STANDING WATER PRIOR TO POINTING.

3. APPLY POINTING MORTAR IN TIGHTLY PACKED THIN LAYERS (MAXIMUM ¼ INCH), ALLOW EACH LAYER TO REACH THUMBPRINT HARDNESS BEFORE APPLYING THE NEXT. TOOL JOINTS TO MATCH EXISTING APPEARANCE.

C. BRICK REPLACEMENT

1. REMOVE EXISTING BRICK UNITS WITHOUT DISTURBING ADJACENT MASONRY TO REMAIN. PROTECT SURROUNDING MASONRY FROM DAMAGE. FLUSH DEBRIS FROM CAVITIES AND DAMPEN SURFACES BEFORE PLACING NEW UNITS.

2. LAY NEW BRICK IN A FULL BED OF MORTAR. BUTTER ENDS OF UNITS SUFFICIENTLY TO COMPLETELY FILL HEAD JOINTS. AVOID FURROWED BED JOINTS OR SLUSH HEAD JOINTS. MATCH EXISTING BOND, COURSING, AND TOOLING.

D. HELICAL ANCHORS

1. INSTALL ANCHORS AT LEAST 12" BELOW EXISTING ROOF EDGE. ANCHORS SHALL BE SPACED MAXIMUM 16" O.C. BOTH HORIZONTALLY AND VERTICALLY, BUT SHOULD INCLUDE AT LEAST TWO (2) LAYERS OF ANCHORS ALONG THE FACE OF WALL. ANCHORS SHALL BE INSTALLED PERPENDICULAR TO THE WALL THROUGH MORTAR JOINTS IN ORDER TO BOND THE EXTERIOR BRICK WYTHE TO THE BACKUP WALL.

2. DO NOT INSTALL ANCHORS WITHIN THREE INCHES OF VOIDS, VEINS, CRACKS, OR UNIT EDGES. IF DISTRESS OCCURS DURING DRILLING, NOTIFY THE DESIGN TEAM PRIOR TO CONTINUING.

3. USE HELICAL ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. CAREFULLY DRILL PILOT HOLES TO REQUIRED DEPTH AND DIAMETER AND INSERT ANCHORS USING THE CORRECT SETTING TOOL. PLUG HOLES WITH SPECIFIED MORTAR AFTER INSTALLATION.

E. CLEANING

1. CLEAN COMPLETED MASONRY WITH APPROVED MASONRY CLEANER SUCH AS SURE KLEAN LIGHT DUTY RESTORATION CLEANER OR EQUIVALENT PER MANUFACTURER'S INSTRUCTIONS. PERFORM PRESSURE WASHING FROM BOTTOM TO TOP, THEN DOWN TO COVER ALL SURFACES.

2. LEAVE THE WORK AREA CLEAN AND FREE OF RESIDUE AND DEBRIS AT COMPLETION.

F. WARRANTY

1. PROVIDE WRITTEN WARRANTY AGREEING TO REPAIR OR REPLACE DEFECTIVE MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. WARRANTY SHALL COVER FAILURE OF REPAIRS, DISCOLORATION, DETERIORATION OF ADJACENT MATERIALS, WATER OR AIR LEAKAGE, AND EFFLORESCENCE AT REPAIR AREAS.

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SHEET 27 of 162
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STRUCTURAL DESIGN CRITERIA

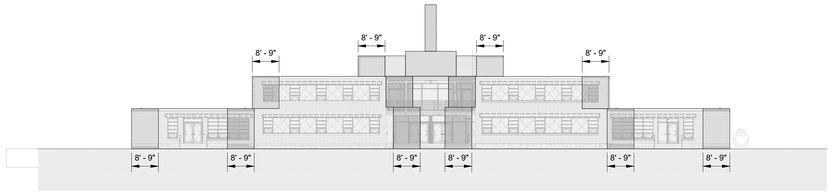
A. WIND LOADS
C&C WIND LOADS IN WALLS ARE DETERMINED FROM 2020 NEW YORK STATE BUILDING CODE AND ASCE 7-16 BASED ON FOLLOWING PARAMETERS:

BASIC WIND SPEED (V) = 129 MPH
DIRECTIONALITY FACTOR (K_d) = 0.85
IMPORTANCE FACTOR = 1.0
MEAN ROOF HEIGHT = 21.78 FT
EXPOSURE CATEGORY = C
TOPOGRAPHIC FACTOR (K_zt) = 1.0
VELOCITY PRESSURE EXPOSURE COEFFICIENT (K_z) = 1.0
GROUND ELEVATION FACTOR (Ke) = 1.0
VELOCITY PRESSURE (q_z) = 0.00256*K_z*K_zt*K_d*K_e*V^2 = 36.2 PSF
INTERNAL PRESSURE COEFFICIENT (GCP_i) = -0.18/+0.18

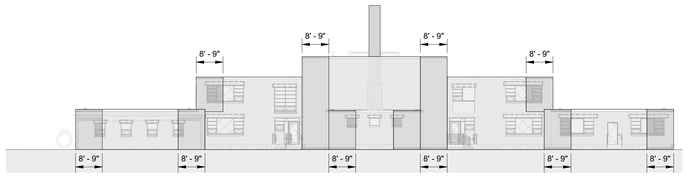
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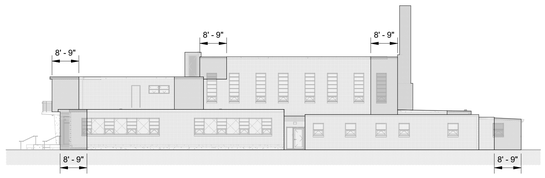
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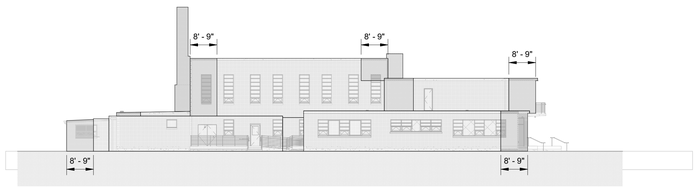
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NTS



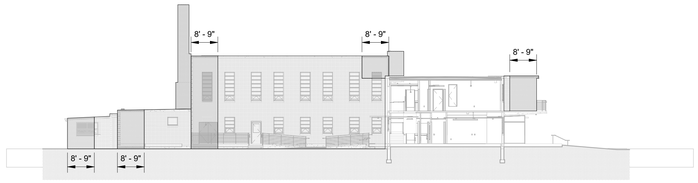
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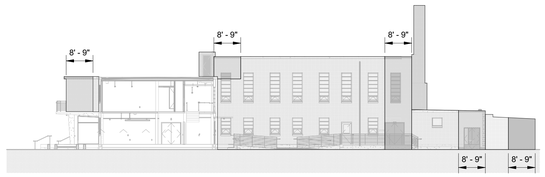
3 EAST ELEVATION
NTS



4 WEST ELEVATION
NTS



5 CENTRAL WING WEST
NTS



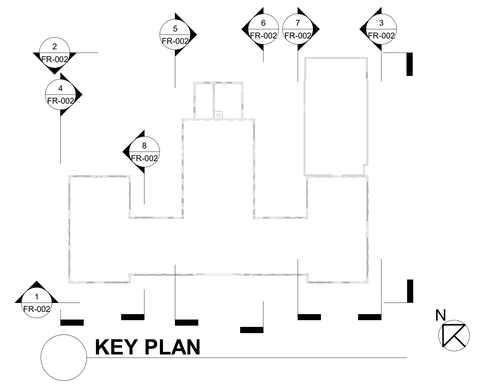
6 CENTRAL WING EAST
NTS



7 EAST WING WEST
NTS



8 WEST WING EAST ELEVATION
NTS



KEY PLAN

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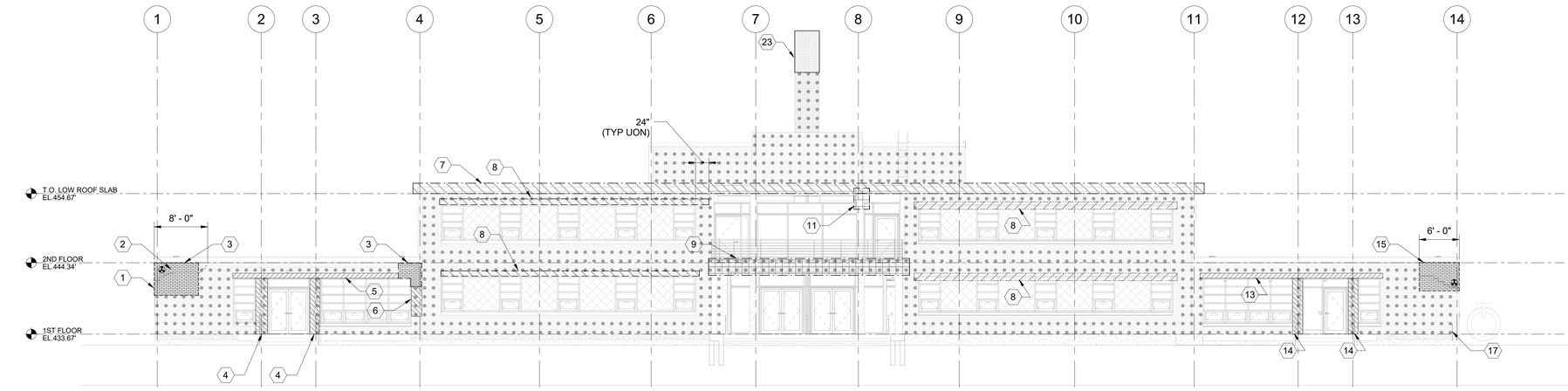
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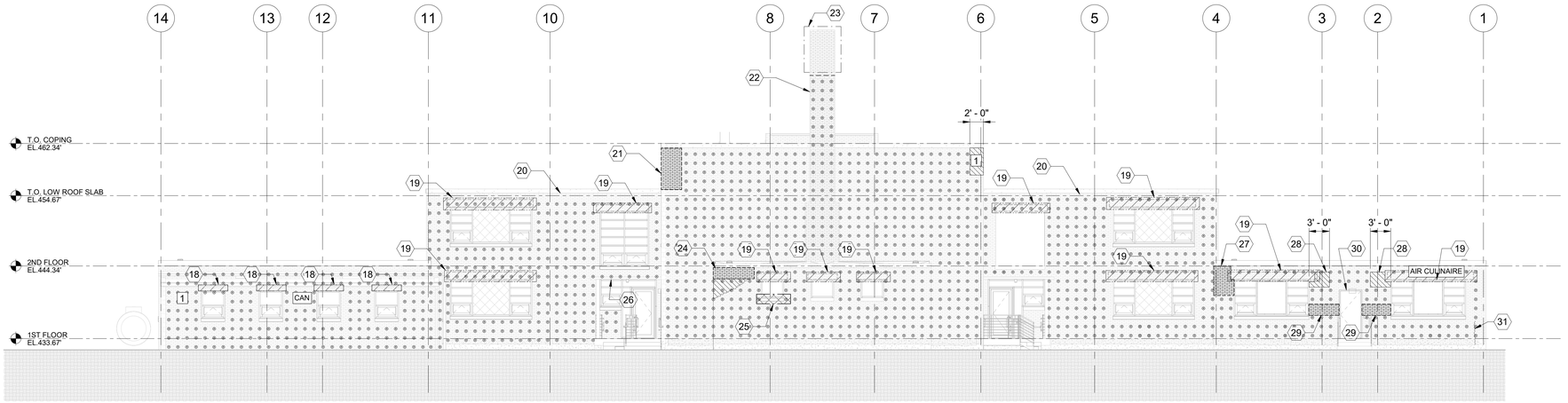
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

FACADE RESTORATION DESIGN CRITERIA

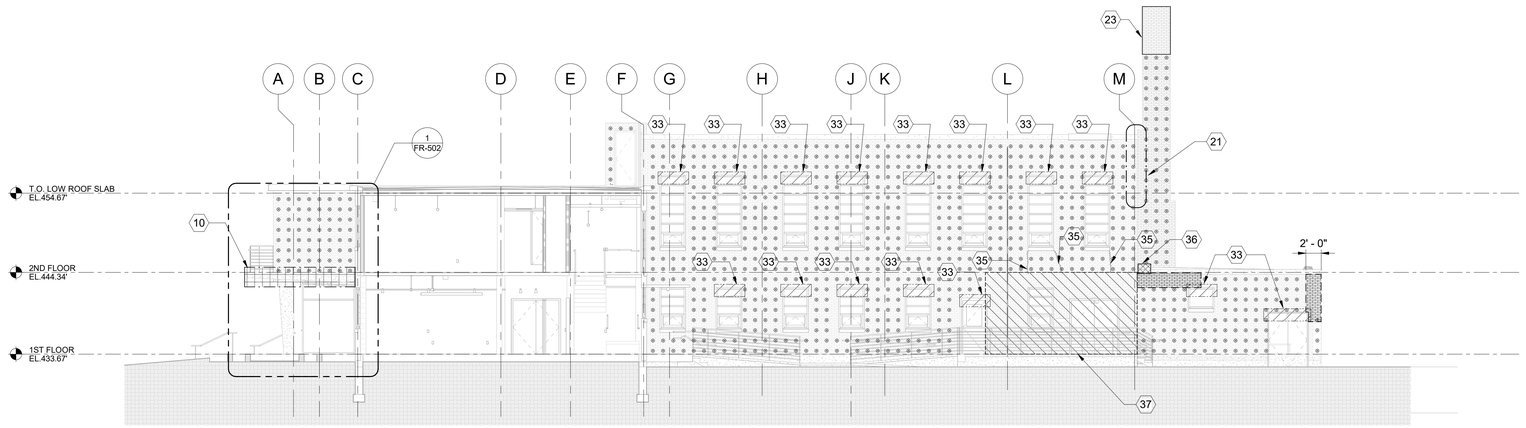
CONTRACT NUMBER 25-532
SHEET NUMBER FR-002
SHEET 28 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-FR-400-0
REV NO. 0



1 SOUTH ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"

NOTES:

1. FACADE RESTORATION WORK SHOWN ON THIS DRAWING SHALL COMPLY WITH THE 2020 BUILDING CODE OF NEW YORK STATE AND ALL APPLICABLE CODES, RULES, AND REGULATIONS HAVING JURISDICTION.
2. SEE ELECTRICAL DWGS FOR REMOVAL OF CONDUITS, FIXTURES, AND SIGNS.
3. CONTRACTOR SHALL SALVAGE BRICK UNITS AT REPAIR/ALTERED AREAS. CLEAN AND STORE; DAMAGED BRICKS TO MATCH EXISTING IN BOND, COURSING, AND APPEARANCE.
4. PROVIDE TYPE N MORTAR FOR ALL BRICK REPAIRS AND REPOINTING. MATCH EXISTING.
5. REFER TO FR-504 FOR HELICAL MASONRY ANCHOR DETAILS.

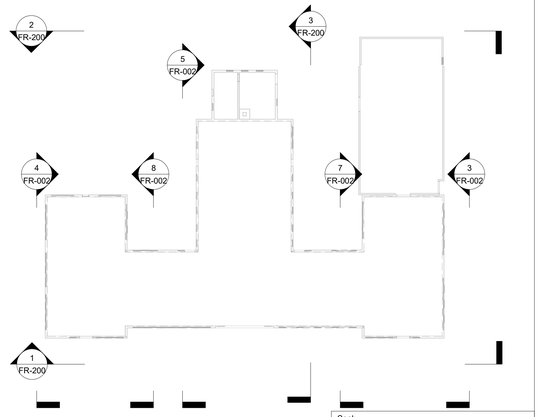
O#	REPAIR / ACTION	LOCATION / DESCRIPTION	QUANTITY / EXTENT	DETAIL / NOTES
1	REMOVE & REPLACE CORNER	ABOVE STEP CRACK	22 COURSES	DETAIL 3/FR-500
2	REMOVE & REPLACE BROKEN BRICKS		4 BROKEN BRICKS	DETAIL 2/FR-500
3	REMOVE & REPLACE BROKEN BRICKS	2 LOCATIONS. EACH SIDE OF THE SOUTH WEST ENTRANCE.	24 SF TOTAL	DETAIL 2/FR-500
4	REPLACE CMU WALLS	WALLS AROUND THE SOUTHWEST ENTRANCE.	RECONSTRUCTION 6" THICK CMU WALLS. (2 TOTAL)	
5	REMOVE PAINT AND REPAINT METAL SURFACES AT CANOPY. HAMMER SOUND SURFACES OF THE CANOPY AND PATCH SURFACES.	CANOPY AT SOUTHWEST ENTRANCE.	~ 75% SURFACE REPAIR	DETAIL 1/FR-502
6	REMOVE & REPLACE CORNER	UNDER STEP CRACK	1 BROKEN BRICK	DETAIL 3/FR-500. BRICK DISPLACEMENT OBSERVED UNDER...
7	HAMMER SOUND AND PATCH SPALLING CONCRETE SURFACES.	SOUTH ELEVATION AT ROOF LINE.	116 LF. ~ 50% SURFACE REPAIR	
8	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	4 LOCATIONS. SOUTH ELEVATION ABOVE WINDOWS AND PRECAST PANELS. 1ST AND 2ND LEVELS.	38 LF EACH.	DETAIL 1/FR-501
9	REMOVE & PATCH SPALLING CONCRETE	CANOPY SLAB EDGE	28 LF	DETAIL 1/FR-503
10	HAMMER SOUND AND PATCH SPALLING CONCRETE SURFACES.	CANOPY AT SOUTH ENTRANCE. 3-SIDES OF FASCIA AND SPANDREL SOFFIT. CANOPY SLAB SOFFIT ABOVE FALSE SOFFIT.	~ 75% SURFACE REPAIR FOR FASCIA AND SPANDREL ELEMENTS. ~ 50% SURFACE REPAIR FOR CANOPY SLAB SOFFIT.	DETAIL 1/FR-502. REFER TO ARCHITECTURAL DRAWINGS FOR STOREFRONT RECONSTRUCTION AND REPLACEMENT OF NON-STRUCTURAL COMPONENTS.
11	REMOVE & PATCH SPALLING CONCRETE	STRUCTURAL COLUMN		DETAIL 1/FR-502
12	NOT USED.			
13	REMOVE STUCCO FROM THE ENTIRE CANOPY SOFFIT AND EDGES. HAMMER SOUND AND PATCH SPALLING CONCRETE SURFACES.	CANOPY AT SOUTHEAST ENTRANCE.	~ 25% SURFACE REPAIR	DETAIL 1/FR-502
14	REMOVE CMU WALLS	WALLS AROUND THE SOUTHEAST ENTRANCE.	6" THICK CMU WALLS. (2 TOTAL)	REFER TO ARCHITECTURAL DRAWINGS FOR RECONSTRUCTION.
15	REMOVE & REPLACE CORNER	EAST SIDE OF SOUTH ELEVATION. ABOVE STEP CRACK	~ 20 COURSES. 20 SF	DETAIL 3/FR-500
16	NOT USED.			
17	REMOVE & REPLACE BROKEN BRICKS	EAST SIDE OF SOUTH ELEVATION.	4 BROKEN BRICKS	DETAIL 2/FR-500
18	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. CLEAN THE EXISTING ANGLE AND PAINT WITH ZINC RICH PAINT. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	4 LOCATIONS. NORTH ELEVATION OF EAST WING ADDITION ABOVE WINDOW OPENINGS.	4 LF EACH	DETAIL 1/FR-501
19	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	11 LOCATIONS. NORTH ELEVATION ABOVE EXISTING WINDOWS AND PRECAST.	80 LF TOTAL	DETAIL 1/FR-501
20	HAMMER SOUND AND PATCH SPALLING CONCRETE SURFACES.	2 LOCATIONS. NORTH ELEVATION AT ROOF LINE.	34 LF EACH. ~ 50% SURFACE REPAIR	DETAIL 1/FR-502
21	REMOVE & REPLACE CORNER	EAST CORNER OF NORTH ELEVATION.	20 BROKEN BRICKS.	DETAIL 3/FR-500
22	REMOVE & REPLACE CRACKED BRICK	CHIMNEY	200 BRICKS	DETAIL 2/FR-500
23	PARTIAL DEMOLITION OF EXISTING CHIMNEY, INSTALL NEW PRECAST CONCRETE CAP AND REPLACE FLUE LINER	EXISTING CHIMNEY AT ROOF	REMOVE APPROX. 6'-0" OF CHIMNEY HEIGHT (FIELD VERIFY)	DETAIL 4/FR-500
24	REMOVE & REPLACE CORNER	EAST CORNER OF NORTH ELEVATION AT THE BOILER ROOM ABOVE THE RUST-JACKED STEP CRACK.	10 SF, 22 COURSES ABOVE CRACK	DETAIL 3/FR-500
25	REPLACE CAST STONE SILL	1 LOCATION. EAST MOST WINDOW ON THE NORTH ELEVATION OF THE BOILER ROOM.		DETAIL 2/FR-501
26	REMOVE STUCCO FROM SOFFIT, HAMMER SOUND AND PATCH SPALLING CONCRETE.	2 LOCATIONS. CANOPY SOFFIT AT STAIRWELL ENTRANCES ON THE NORTH ELEVATION.	~25% SURFACE REPAIR	CLEAN & ZR PAINT COL & PLS
27	REMOVE & REPLACE CORNER	NORTHEAST CORNER OF WEST WING.	20 SF. 20 BROKEN BRICKS.	DETAIL 3/FR-500
28	REMOVE & REPLACE BRICK	2 LOCATIONS EACH SIDE OF THE NORTHEAST ENTRANCE AT DOOR HEAD.	~ 8 SF EACH	DETAIL 2/FR-500
29	BRICK REMOVAL & REPLACEMENT. REMOVE REMNANT LOUVER LINTELS.	2 SIDES OF DOOR. AROUND THE RUST-JACKED STEP CRACK FROM REMNANT LOUVER LINTELS.	8 SF EACH	DETAIL 2/FR-500
30	RETRO-FITTED DOOR			REFER TO ARCHITECTURAL DRAWINGS FOR...
31	REMOVE & REPLACE BRICK	LOWER WEST CORNER OF NORTH ELEVATION.	6 COURSES, 3 BROKEN BRICKS	DETAIL 2/FR-500
32	NOT USED.			
33	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	15 LOCATIONS. EAST ELEVATION ABOVE EXISTING WINDOWS AND DOORS.	120 LF TOTAL	DETAIL 1/FR-501
34	NOT USED.			
35	BRICK REMOVAL & REPLACEMENT	WALL STEP CRACKS UNDER 2ND LEVEL WINDOWS. EAST ELEVATION	3 LOCATIONS, 6 LF EACH	DETAIL 1/FR-500
36	REMOVE & PATCH SPALLING CONCRETE	BASE OF CHIMNEY		DETAIL 1/FR-502
37	REMOVE & REPLACE ENTIRE FACADE	AFTER INSTALLING NEW DOOR & WINDOW		REFER TO ARCHITECTURAL DRAWINGS FOR RECONSTRUCTION.

ABBREVIATIONS

BB - BROKEN BRICKS

LEGEND

- REPAIR 1 - PRECAST SOFFIT REPAIR
- REPAIR 2 - RELIEVING ANGLE REPLACEMENT
- REPAIR 2A - RELIEVING ANGLE RESTORATION
- REPAIR 3 - BRICK REMOVAL AND REPLACEMENT
- REPAIR 4 - BRICK REMOVE AND REPLACEMENT AT CHIMNEY
- REPAIR 5 - REPLACE CAST STONE SILL
- REPAIR 6 - REMOVE AND PATCH SPALLED CONCRETE
- HELICAL TIES. FINAL LOCATION TO BE FIELD COORDINATED. REFER TO REPAIR DETAILS FOR INSTALLATION AND SPACING



KEY PLAN
NTS

Seal:

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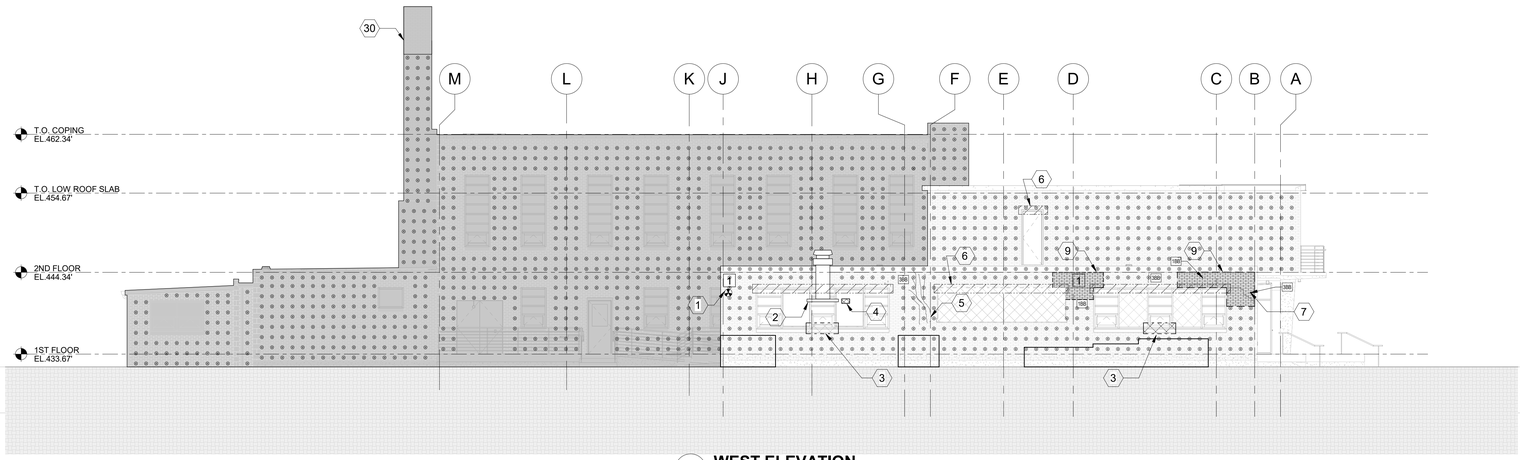
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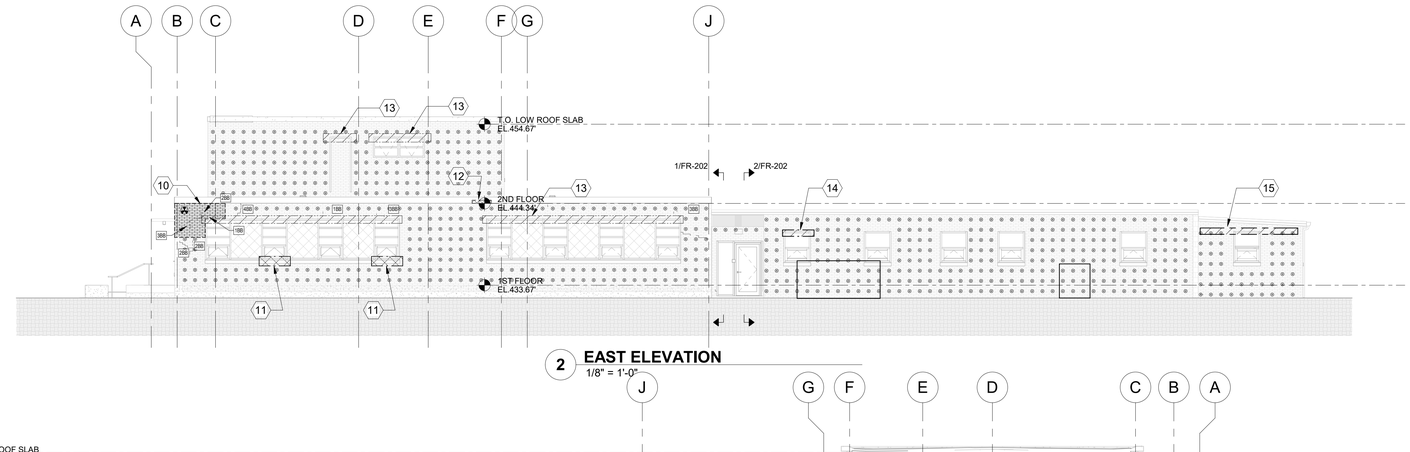
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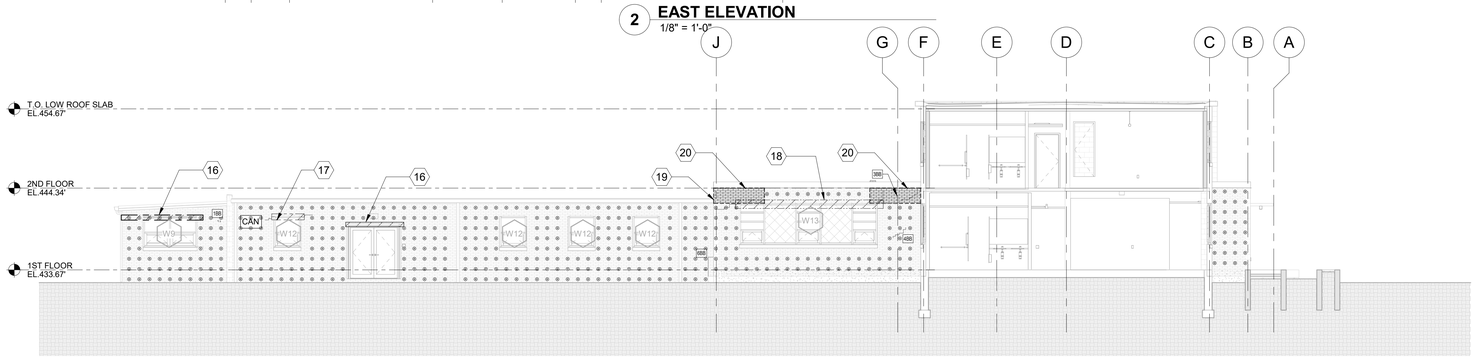
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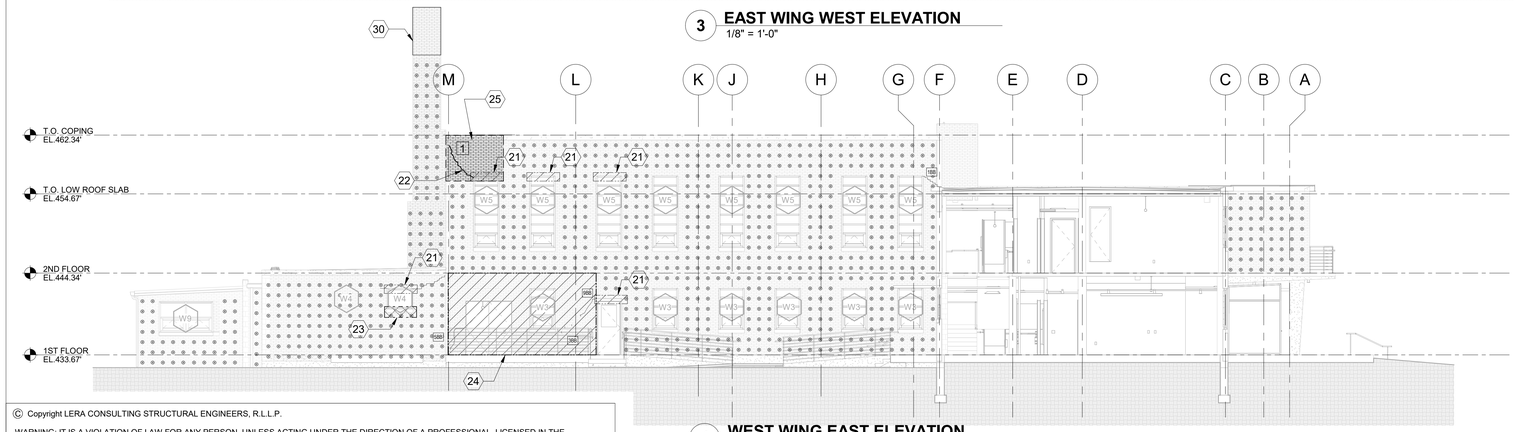
1 WEST ELEVATION
1/8" = 1'-0"



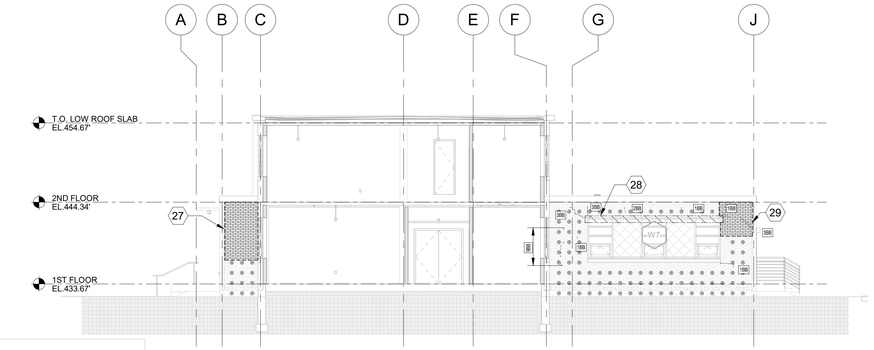
2 EAST ELEVATION
1/8" = 1'-0"



3 EAST WING WEST ELEVATION
1/8" = 1'-0"



4 WEST WING EAST ELEVATION
1/8" = 1'-0"

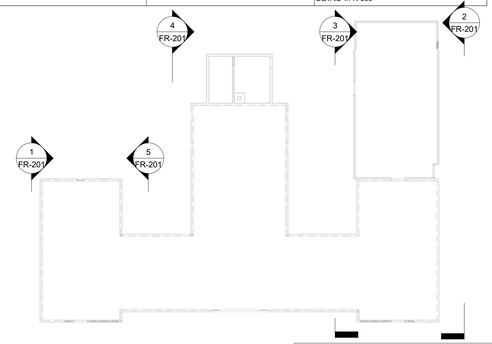


5 WEST WING EAST ELEVATION
1/8" = 1'-0"

O#	REPAIR / ACTION	LOCATION / DESCRIPTION	QUANTITY / EXTENT	DETAIL / NOTES
1	REMOVE EXISTING SIGNAGE, FIXTURES, WALL MOUNTED EQUIPMENT. DOCUMENT ANY UNSEEN CONDITIONS UNDERNEATH THE COVERINGS AND INFORM THE ARCHITECT AND ENGINEER OF RECORD OF ANY ADDITIONAL DEFICIENCIES.	BUILDING EXTERIOR, ALL ELEVATIONS		
2	RE-SUPPORT EXHAUST FAN DUCT	WEST ELEVATION / ROOF		REFER TO MECHANICAL DRAWINGS FOR NEW EXHAUST FAN AND DUCTS
3	REPLACE CAST STONE SILL	2 LOCATIONS. WEST ELEVATION		DETAIL 2/FR-501
4	PATCH AND REPAIR DAMAGED AREAS OF THE PRECAST PANEL, RESTORE FINISH	WEST ELEVATION		DETAIL 1/FR-502
5	CLEAR DEBRIS AND VEGETATION FROM FAÇADE.	WEST ELEVATION		
6	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	4 LOCATIONS	53 LF TOTAL	DETAIL 1/FR-501
7	REMOVE & REPLACE CORNER	WEST ELEVATION SOUTH CORNER.	22 COURSES, 3 BROKEN BRICKS	DETAIL 3/FR-500
8	NOT USED.			
9	REMOVE & REPLACE BROKEN BRICKS	2 LOCATIONS. WEST ELEVATON AT RUST-JACKED STEP CRACK.	2 LOCATIONS, 30 SF TOTAL	DETAIL 2/FR-500
10	REMOVE & REPLACE CORNER	SOUTH CORNER OF EAST ELEVATION AT STEP CRACK.	23 COURSES, 9 BROKEN BRICKS, 6' TALL, 20 SF	DETAIL 3/FR-500
11	REPLACE CAST STONE SILL	2 LOCATIONS. SOUTH SIDE OF EAST ELEVATION.		DETAIL 2/FR-501
12	HAMMER SOUND AND PATCH SPALLING CONCRETE SURFACES.	1 LOCATION AT ROOF LINE OF EAST ELEVATION.	~25% SURFACE REPAIR	DETAIL 1/FR-502
13	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	4 LOCATIONS. EAST ELEVATION ABOVE EXISTING WINDOW AND DOORWAY.	60 LF TOTAL	DETAIL 1/FR-501
14	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. CLEAN THE EXISTING ANGLE AND PAINT WITH ZINC RICH PAINT. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	1 LOCATION. EAST ELEVATION OF EAST WING ADDITION ABOVE WINDOW.	4 LF	DETAIL 1/FR-501
15	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. CLEAN THE EXISTING ANGLE AND PAINT WITH ZINC RICH PAINT. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	3 LOCATIONS. EAST ELEVATION OF EAST WING ADDITION AT DOOR, WINDOW AND IN WALL AC.	12 LF TOTAL	DETAIL 1/FR-501
16	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. CLEAN THE EXISTING ANGLE AND PAINT WITH ZINC RICH PAINT. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	4 LOCATIONS. WEST ELEVATION OF EAST WING ADDITION AT WINDOW, AC UNIT AND MAIN ENTRY.	20 LF	DETAIL 1/FR-501
17	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	1 LOCATION. WEST ELEVATION OF EAST WING ADDITION ABOVE WINDOW.	4 LF	DETAIL 1/FR-501
18	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	1 LOCATION. WEST ELEVATION OF EAST WING.	17 LF TOTAL	DETAIL 1/FR-501
19	CLEAR DEBRIS AND VEGETATION FROM GUTTERS AND FAÇADE.			
20	REMOVE & REPLACE BROKEN BRICKS	2 LOCATION AT THE WEST ELEVATION OF THE EAST WING, ABOVE THE RUST-JACKED STEP CRACK	8 SF EACH. 15 BROKEN BRICKS.	DETAIL 2/FR-500
21	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	5 LOCATIONS. WEST WING EAST ELEVATION ABOVE EXISTING WINDOWS AND DOORWAY.	64 LF TOTAL	DETAIL 1/FR-501
22	REMOVE & REPLACE BROKEN BRICKS	WALL STEP CRACK	1 LOCATION, 4 LF	DETAIL 2/FR-500
23	REPLACE CAST STONE SILL	1 LOCATION. WEST ELEVATION OF BOILER ROOM.		DETAIL 2/FR-501
24	REMOVE & REPLACE ENTIRE FACADE	AFTER INSTALLING NEW DOOR & WINDOW		REFER TO ARCHITECTURAL DRAWINGS FOR RECONSTRUCTION.
25	REMOVE & REPLACE CORNER	AT NORTH CORNER OF THE WEST ELEVATION ABOVE THE STEP CRACK AND WINDOW.	45 SF TOTAL	DETAIL 3/FR-500
26	NOT USED.			
27	REMOVE & REPLACE CORNER	SOUTH SIDE OF WEST WING EAST ELEVATION.	32 COURSES, 19 BROKEN BRICKS, 7'-0"	DETAIL 3/FR-500
28	REMOVE 2 COURSES OF BRICK AT RELIEVING ANGLES. REPLACE RELIEVING ANGLES. REFLASH AND WEEP AROUND THE ANGLES. REPLACE BRICK IN KIND.	1 LOCATION. WEST SING EAST ELEVATION BOVE WINDOWS AND PRECAST PANEL.	17 LF	DETAIL 1/FR-501
29	REMOVE & REPLACE CORNER	NORTH SIDE OF WEST WING EAST ELEVATION.	20 COURSES	DETAIL 3/FR-500
30	REDUCE CHIMNEY HEIGHT			DETAIL 4/FR-500

ABBREVIATIONS
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KEY PLAN
NTS

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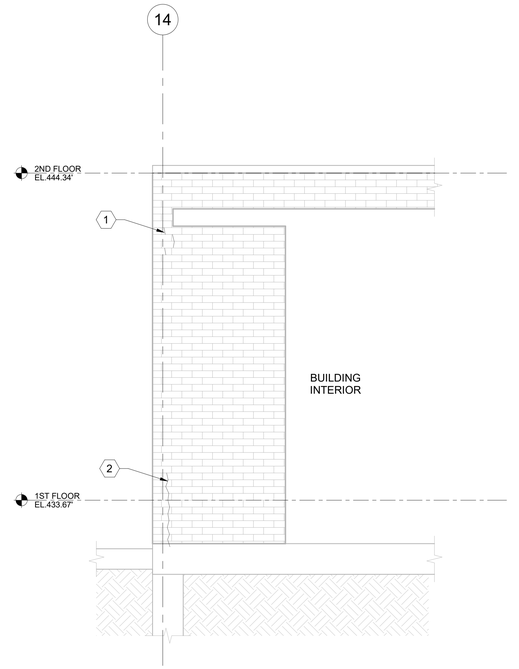
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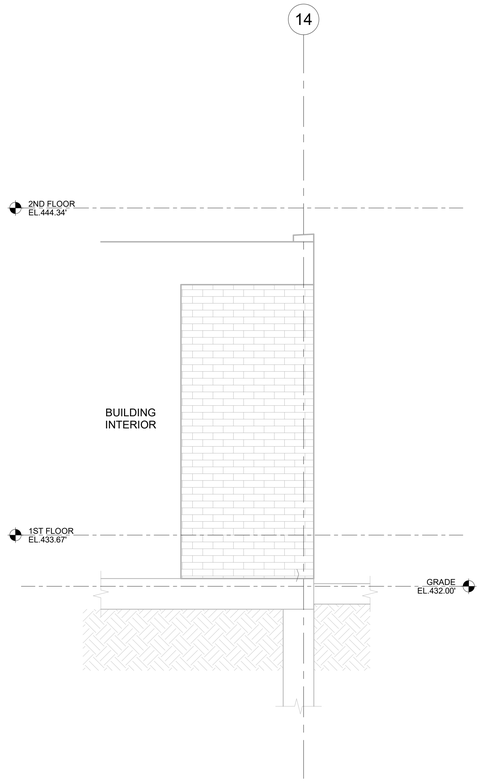
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○#	REPAIR / ACTION	LOCATION / DESCRIPTION	QUANTITY / EXTENT	DETAIL / NOTES
1	REMOVE & REPLACE BROKEN BRICKS	EAST ELEVATION. ENTRANCE BY GRID J	4 BROKEN BRICKS	DETAIL 2/FR-500
2	REMOVE & REPLACE BROKEN BRICKS	EAST ELEVATION. ENTRANCE BY GRID J	11 BROKEN BRICKS	DETAIL 2/FR-500



1 FACADE WALL SECTION
1/2" = 1'-0"



2 FACADE WALL SECTION
1/2" = 1'-0"

Seal:

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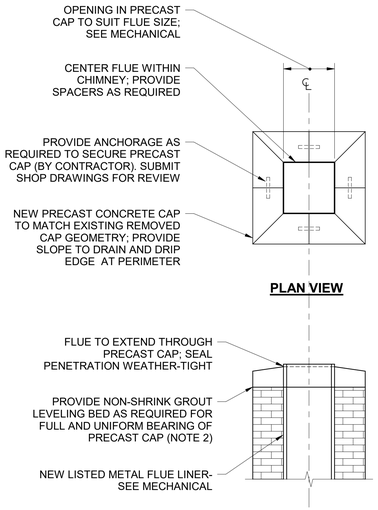
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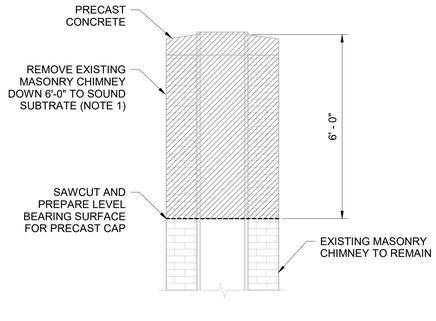
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DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

FACADE WALL SECTIONS

CONTRACT NUMBER: 25-532
SHEET NUMBER: FR-202
SHEET 31 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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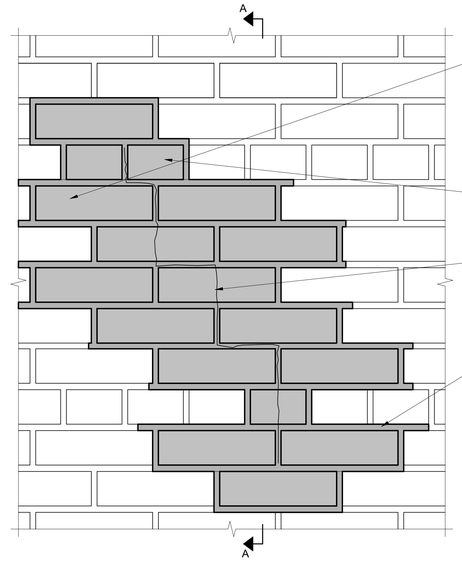


NOTES:

1. VERIFY EXTENT OF SOUND MASONRY IN FIELD INCLUDING REMOVAL OF LOOSE OR DETERIORATED MATERIAL; EXTEND DEMOLITION AS REQUIRED. FINAL HEIGHT TO BE FIELD VERIFIED TO ACHIEVE LEVEL BEARING SURFACE. SALVAGE EXISTING BRICK DURING DEMOLITION FOR POTENTIAL REUSE; REFER TO ARCHITECTURAL DRAWINGS FOR REQUIREMENTS.
2. CONTRACTOR TO FIELD VERIFY CONDITION OF EXISTING CHIMNEY; NOTIFY DESIGN TEAM IF UNSUITABLE FOR CAP BEARING.

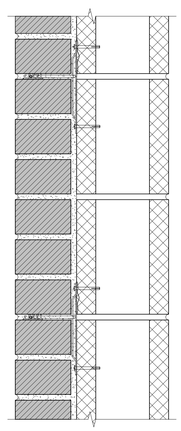
4 CHIMNEY CAP REPLACEMENT DETAIL

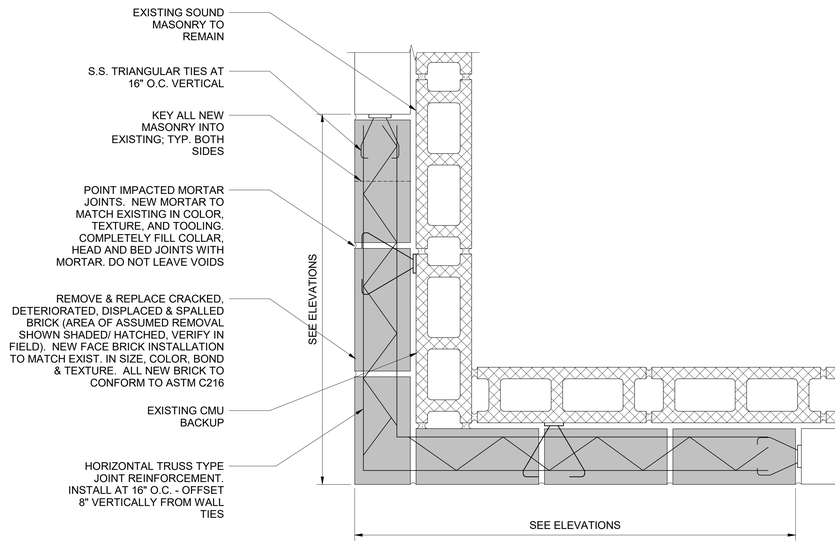
1/2" = 1'-0"



1 BRICK REMOVAL AND REPLACEMENT

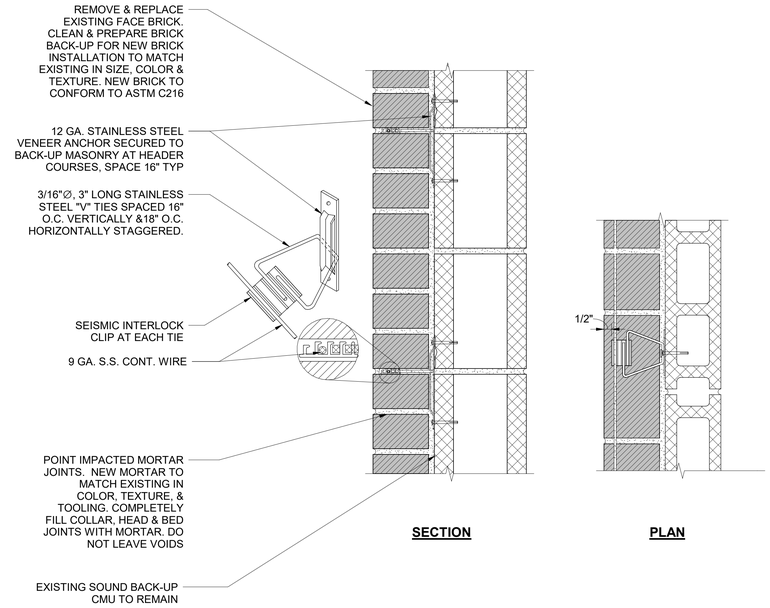
3" = 1'-0"





3 BRICK CORNER REBUILD

3" = 1'-0"



2 FACE BRICK REMOVAL & REPLACEMENT

3" = 1'-0"

Seal:

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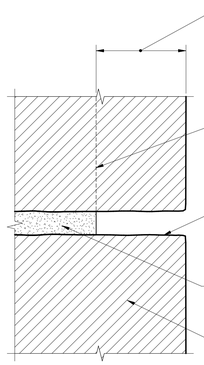
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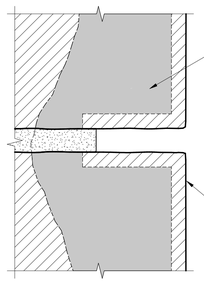
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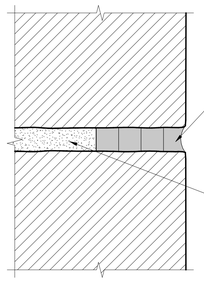
SECTION A

STEP 1: MORTAR REMOVAL



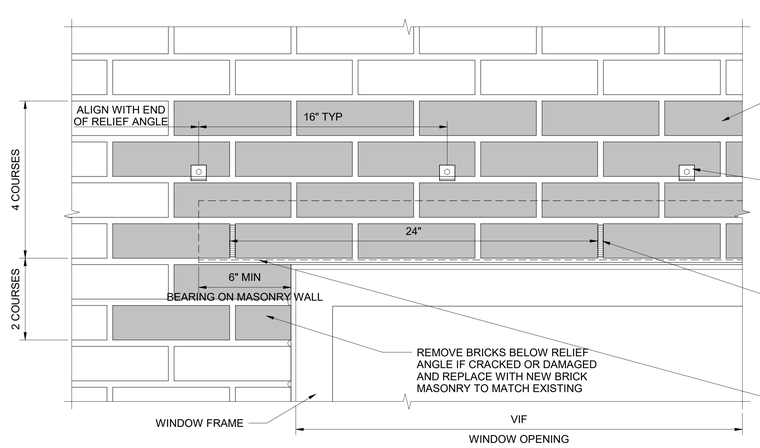
SECTION A

STEP 2: PRE-WETTING OF MASONRY UNITS

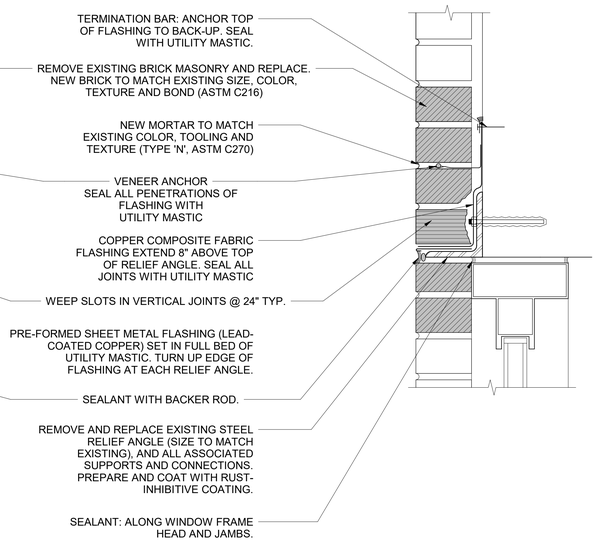


SECTION A

STEP 3: APPLICATION OF MORTAR

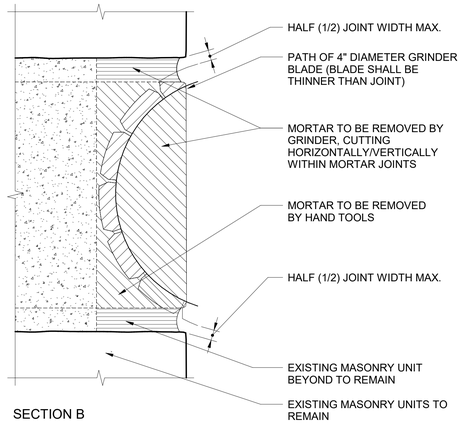


NOTE:
1. REMOVE AND REPLACE ALL EXISTING WINDOWS. REFER TO PROJECT SPECIFICATIONS FOR WINDOW REQUIREMENTS.
2. PROVIDE CONTINUOUS TEMPORARY SHORING OF EXISTING BRICK VENEER AS REQUIRED TO MAINTAIN STABILITY DURING RELIEF ANGLE REMOVAL AND REPLACEMENT. SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. SUBMIT SIGNED AND SEALED SHORING DESIGN DRAWINGS FOR REVIEW PRIOR TO INSTALLATION.



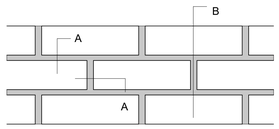
ELEVATION **SECTION**

1 RELIEF ANGLE REMOVAL AND REPLACEMENT
3" = 1'-0"

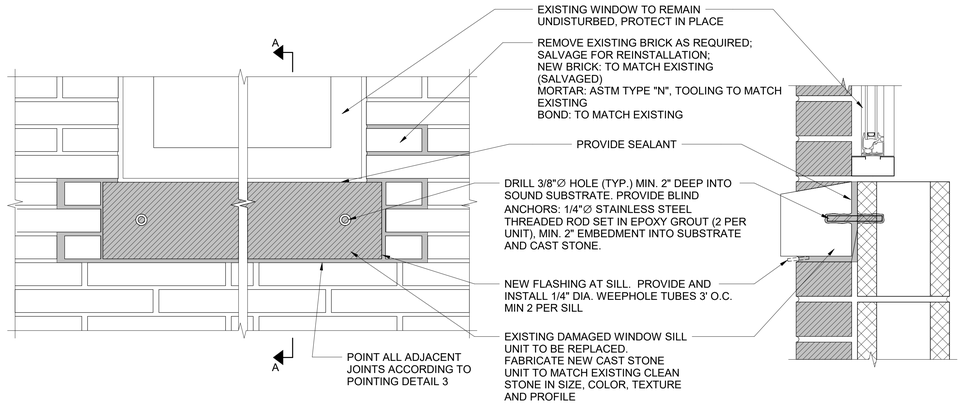


SECTION B

CIRCULAR GRINDER MORTAR REMOVAL METHOD



REPAIR KEY



ELEVATION **SECTION**

2 TYPICAL CAST STONE INSTALLATION (SILL)
3" = 1'-0"

CAST STONE REPLACEMENT

1. REPLACE DETERIORATED CAST STONE SILL UNITS INDICATED ON THE DRAWINGS IN KIND.
2. NEW CAST STONE UNITS SHALL MATCH EXISTING CONCRETE COLOR, SIZE, PROFILE, TEXTURE, AND FINISH.
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND PROFILES PRIOR TO FABRICATION.
4. EXISTING ANCHORAGE AND BACKING CONDITIONS UNKNOWN. VERIFY IN FIELD.
5. PROVIDE ANCHORS, DOWELS, AND SETTING MATERIALS AS REQUIRED FOR A COMPLETE INSTALLATION.

3 BRICK REPOINTING DETAIL
3" = 1'-0"

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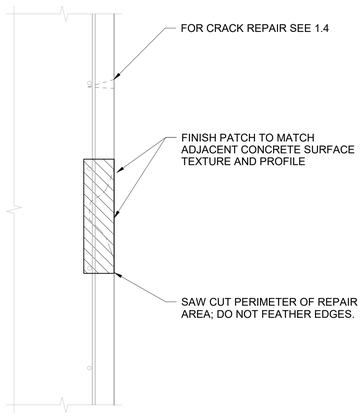
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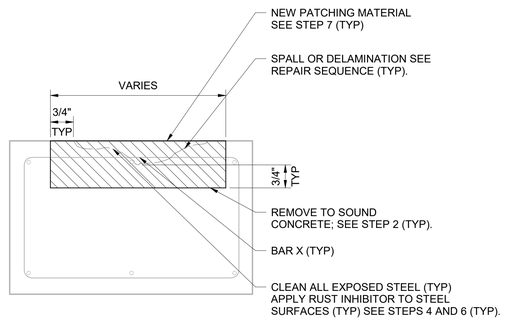
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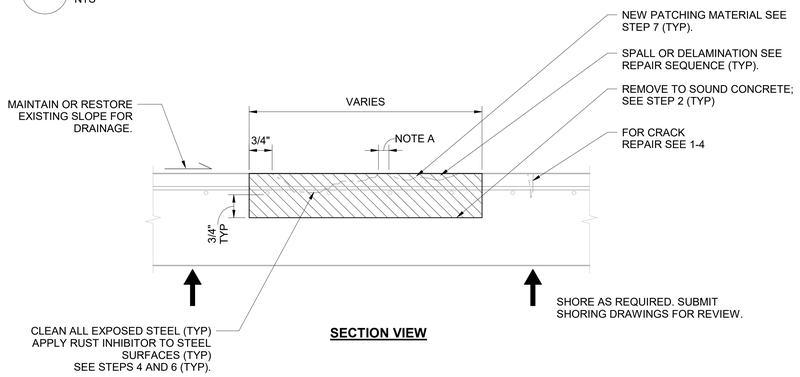
SECTION VIEW



SECTION VIEW

1.1 TYPICAL CONCRETE SURFACE REPAIR (VERTICAL)

NTS

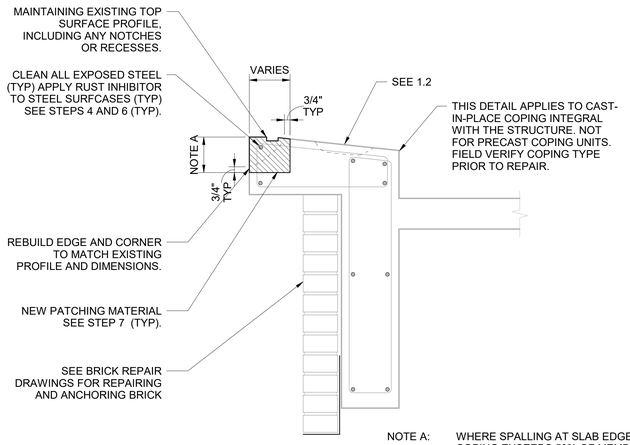


SECTION VIEW

NOTE A: WHERE ADJACENT SPALL OR DELAMINATION AREAS ARE SEPARATED BY LESS THAN 3", REMOVE AND REPAIR AS ONE COMBINED AREA.

1.2 TOP OF SLAB/EXPOSED HORIZONTAL CONCRETE REPAIR

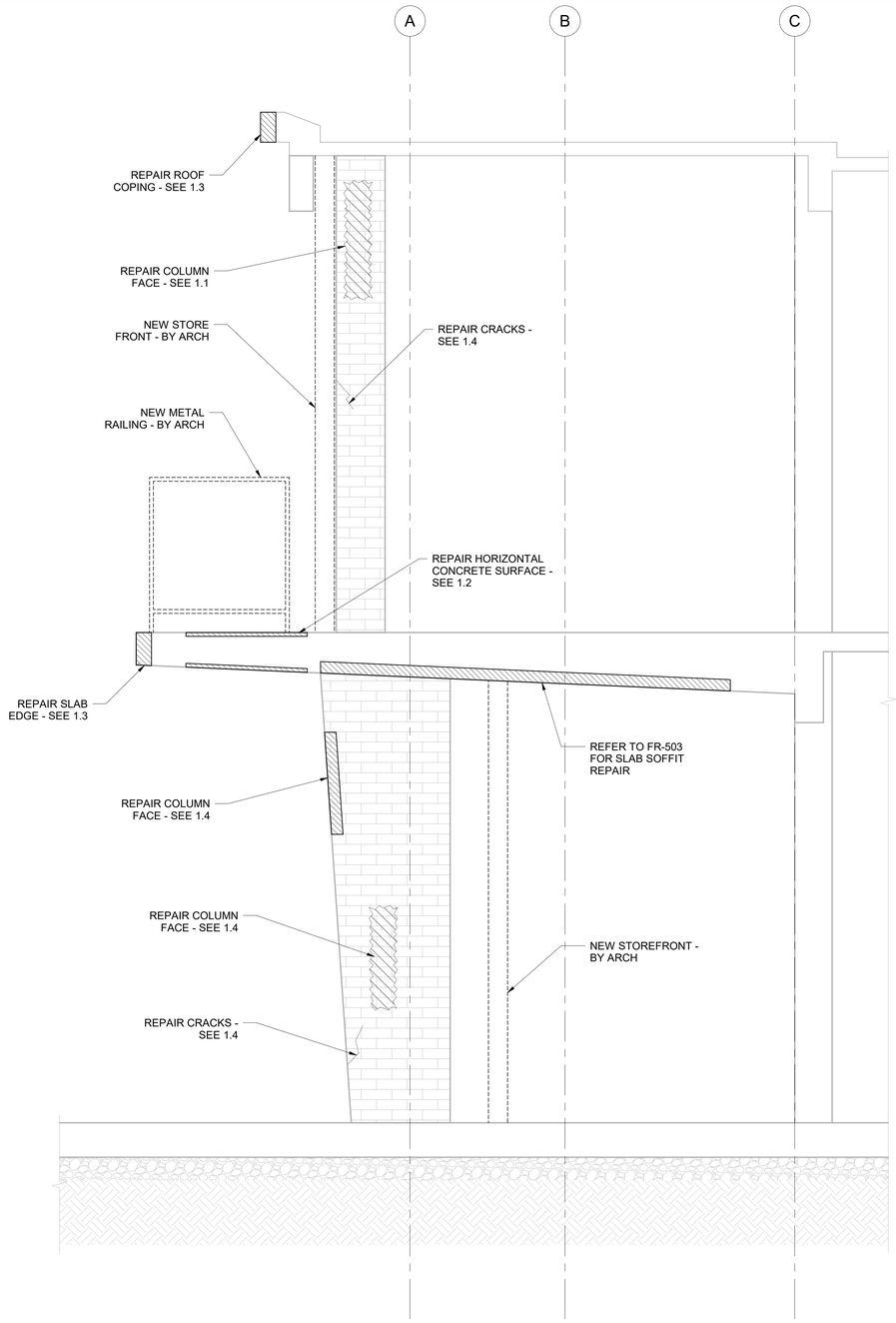
NTS



NOTE A: WHERE SPALLING AT SLAB EDGE OR COPING EXCEEDS 50% OF MEMBER DEPTH, PROVIDE FULL-DEPTH EDGE REPAIR.

1.3 EXPOSED CONCRETE EDGE REPAIR

NTS



1 TYPICAL FACADE REPAIR SECTION

3/4" = 1'-0"

GENERAL NOTES:

1. GRAPHICS INDICATE APPROXIMATE LOCATIONS OF REPAIRS. CONTRACTOR SHALL FIELD VERIFY EXTENT OF DETERIORATION AND CONFIRM LIMITS OF REPAIR.
2. NON-STRUCTURAL ELEMENTS INCLUDING STOREFRONT SYSTEMS AND METAL RAILINGS ARE NOT IN STRUCTURAL SCOPE UNLESS NOTED OTHERWISE.
3. SHORE AS REQUIRED. SUBMIT SHORING DRAWINGS FOR REVIEW.

CONCRETE REPAIR NOTES:

1. ALL AREAS OF CRACKED, DELAMINATED, OR SPALLED CONCRETE SHALL BE REPAIRED.
2. CONTRACTOR SHALL FIELD VERIFY EXTENT OF DETERIORATION BY SOUNDING AND VISUAL INSPECTION.
3. LIMITS OF REPAIR SHALL EXTEND TO SOUND CONCRETE AS DETERMINED IN FIELD.
4. SAW CUT PERIMETER OF REPAIR AREAS PRIOR TO CONCRETE REMOVAL.
5. CONCRETE REMOVAL SHALL NOT DAMAGE EXISTING REINFORCEMENT.
6. NOTIFY ENGINEER IF SOUND CONCRETE IS NOT ENCOUNTERED WITHIN ANTICIPATED DEPTH.
7. ALL REPAIRS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
8. CLEAN REPAIR AREA FREE OF LOOSE MATERIAL, DUST, AND DEBRIS PRIOR TO PATCHING.
9. PROVIDE MINIMUM 3/4" CLEARANCE AROUND REINFORCEMENT FOR PATCH MATERIAL.
10. CLEAN AND PREPARE EXPOSED REINFORCEMENT IN ACCORDANCE WITH REPAIR SEQUENCE PRIOR TO PATCHING.

CONCRETE REPAIR SEQUENCE:

STEP 1. IDENTIFY DETERIORATED AREAS BY VISUAL INSPECTION AND HAMMER SOUNDING.

STEP 2. SAW CUT PERIMETER OF REPAIR AREA AND REMOVE UNSOUND CONCRETE TO SOUND SUBSTRATE.

STEP 3. EXPOSE REINFORCEMENT AS REQUIRED TO PROVIDE FULL ACCESS FOR CLEANING AND REPAIR.

STEP 4. CLEAN REINFORCEMENT TO REMOVE RUST AND CORROSION (WIRE BRUSH OR EQUIVALENT).

STEP 5. WHERE REINFORCEMENT SECTION LOSS EXCEEDS 20%, PROVIDE SUPPLEMENTAL REINFORCEMENT SPLICE TO MATCH EXISTING.

STEP 6. APPLY CORROSION INHIBITOR TO CLEANED REINFORCEMENT.

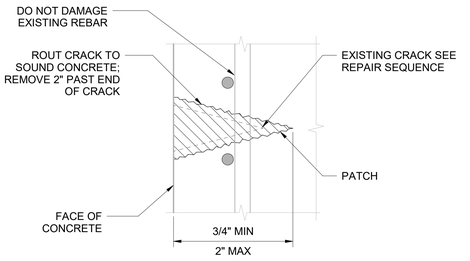
STEP 7. PREPARE CONCRETE SUBSTRATE IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS AND APPLY PATCHING MATERIAL IN LIFTS AS REQUIRED.

FOR VERTICAL SURFACES: USE NON-SAG PATCHING MATERIAL SUITABLE FOR VERTICAL APPLICATIONS. APPLY IN LIFTS AS REQUIRED; DO NOT EXCEED MANUFACTURER'S MAXIMUM LIFT THICKNESS. FINISH PATCH TO MATCH ADJACENT CONCRETE SURFACE. DO NOT FEATHER EDGES.

FOR HORIZONTAL SURFACES: MAINTAIN OR RESTORE EXISTING SLOPE AND FINISH PATCH FLUSH WITH ADJACENT SURFACE.

FOR EDGE REPAIRS: PROVIDE FORMWORK AS REQUIRED TO MAINTAIN EDGE GEOMETRY. APPLY IN LIFTS AS REQUIRED; DO NOT EXCEED MANUFACTURER LIMITS. REBUILD EDGE TO MATCH EXISTING PROFILE.

STEP 8. FINISH AND CURE PATCH IN ACCORDANCE WITH MANUFACTURER'S WRITTEN REQUIREMENTS.



CRACK REPAIR:

1. ROUT CRACK TO SOUND CONCRETE, MIN 1/4" WIDTH (TYP)
2. EXTEND REPAIR MIN 2" BEYOND VISIBLE CRACK TERMINATION
3. FOR HAIRLINE TO 1/4": PRESSURE INJECT EPOXY
4. FOR 1/4" TO 1": ROUT AND FILL WITH PATCHING MATERIAL DO NOT DAMAGE REINFORCEMENT DURING ROUTING

1.4 CRACK REPAIR

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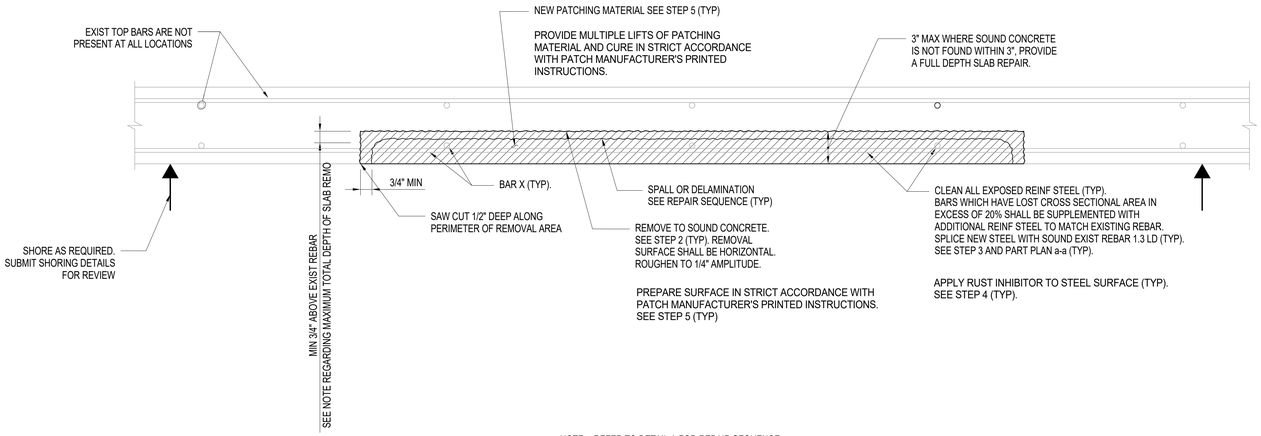
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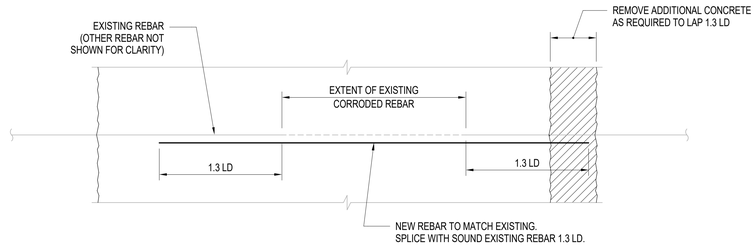
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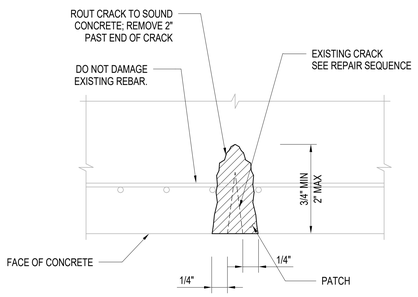
NOTE: REFER TO DETAIL A FOR REPAIR SEQUENCE.



PART PLAN a-a

1.2 SLAB SOFFIT REPAIR

WHERE CORRODED REBAR HAS LOST MORE THAN 20% OF ITS CROSS SECTIONAL AREA



1.3 CRACK REPAIR

1 SLAB REPAIR DETAILS

NTS

GENERAL NOTES:

CONCRETE REMOVAL SEQUENCE FOR SLAB SOFFIT REPAIR:

STEP 1. VISUALLY IDENTIFY DETERIORATED AREA.

STEP 2. HAMMER SOUND THE PERIMETER OF EACH AREA TO IDENTIFY THE TRANSITION BETWEEN SOUND CONCRETE AND DELAMINATED OR SPALLED CONCRETE. MARK THE PERIMETER OF DELAMINATED OR SPALLED CONCRETE WITH SPRAY PAINT.

STEP 3. USING A LIGHT DUTY HAND-HELD CHIPPING HAMMER, REMOVE ALL LOOSE CONCRETE WITHIN THE SPRAY PAINT AREA DOWN TO SOUND CONCRETE. DO NOT DAMAGE EXISTING REINFORCING STEEL. REGARDLESS OF WHETHER SOUND CONCRETE IS FOUND OR NOT, DO NOT REMOVE CONCRETE DEEPER THAN 3" FROM THE ORIGINAL UN-DETERIORATED BOTTOM SURFACE OF SLAB. WHERE SOUND CONCRETE IS NOT FOUND, NOTIFY ENGINEER.

STEP 4. CLEAN WORK AREAS FREE OF DEBRIS AND DUST.

SLAB SOFFIT REPAIR SEQUENCE:

WHERE EXISTING CONCRETE OR PATCH MATERIAL IS FOUND TO BE CRACKED, DELAMINATED, OR SPALLED, REPAIR THE CONCRETE IN ACCORDANCE WITH THE FOLLOWING SEQUENCE:

STEP 1. CLEAN CONCRETE SURFACES

STEP 2. REMOVE DEFECTIVE CONCRETE AS SHOWN IN DETAIL. IF SOUND CONCRETE IS FOUND AT A DEPTH SUCH THAT 1/2 OF DIAMETER OF BAR X OR MORE IS EXPOSED, ALL EXPOSED CORRODED BARS MUST BE UNDERCUT TO A MINIMUM DEPTH OF 3/4".

CONCRETE REMOVALS SHALL EXPOSE THE BARS TO AN EXTENT SUCH THAT THE BAR IS FREE OF BOND-INHIBITING CORROSION AND TO THE EXTENT WHERE THE BAR IS WELL-BONDED TO SURROUNDING CONCRETE.

IF NON-CORRODED REINFORCING STEEL IS EXPOSED DURING THE UNDERCUTTING PROCESS, CARE SHALL BE TAKEN NOT TO DAMAGE THE BAR'S BOND TO THE SURROUNDING CONCRETE. IF BOND BETWEEN BAR & CONCRETE IS BROKEN, UNDERCUTTING OF THE BAR WILL BE REQUIRED.

STEP 3. REMOVE CORROSION & RUST FROM THE BAR(S) BY POWER BRUSHING TO WHITE METAL.

UON, IF REINFORCING STEEL HAS LOST GREATER THAN 20 PERCENT OF CROSS-SECTIONAL AREA, NOTIFY STRUCTURAL ENGINEER. SUPPLEMENT WITH ADDITIONAL REINFORCING STEEL TO MATCH EXISTING REBAR. SPLICE NEW REBAR WITH SOUND EXISTING REBAR 1.3 LD AS INDICATED IN DETAIL B.

STEP 4. COAT STEEL SURFACE WITH CORROSION INHIBITOR PER SPECIFICATION. USE SIKA ARMATEC 110 EPOCEM BY SIKA CORP, OR EQUIVALENT. SUBMIT EQUIVALENT FOR APPROVAL.

STEP 5. CLEAN SURFACE OF REPAIR AREA FREE OF LOOSE MATERIAL AND DEBRIS. PREPARE SURFACE IN STRICT ACCORDANCE WITH PATCH MANUFACTURER'S PRINTED INSTRUCTION. PATCH WITH PATCH MATERIAL IN ACCORDANCE WITH SPECIFICATION. USE SIKATOP 121 & 122 (HORIZONTAL REPAIRS), SIKATOP 123 (VERTICAL AND OVERHEAD REPAIRS) BY SIKA CORP OR EQUIVALENT. SUBMIT EQUIVALENT FOR APPROVAL.

CRACK REPAIR SEQUENCES:

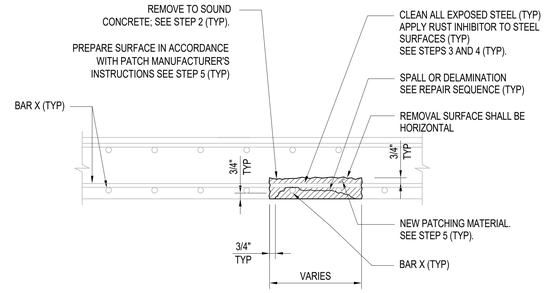
FOR CRACKS 1/4" TO 1" WIDE:

STEP 1. CLEAN OUT CRACK OF ANY LOOSE OR BOND INHIBITING MATERIAL. ROUT CRACK TO SOUND CONCRETE.

STEP 2. FILL CRACK WITH PATCH SUCH AS SIKATOP 123 PLUS BY SIKA CORPORATION OR EMACO R350 BY MASTER BUILDERS TECHNOLOGIES OR ACCEPTED EQUIVALENT.

FOR CRACKS 1/32" TO 1/4" WIDE (DETAIL NOT SHOWN):

STEP 1. PRESSURE INJECT CRACK WITH AN EPOXY GROUT SUCH AS SIKADUR S2, BY SIKA CORPORATION OR ACCEPTED EQUIVALENT.



1.1 SLAB SOFFIT REPAIR

WHERE CORRODED REBAR (IF ANY) HAS LOST LESS THAN 20% OF ITS CROSS SECTIONAL AREA

Seal:

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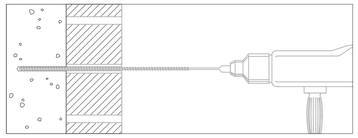
WESTCHESTER COUNTY, NEW YORK
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DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

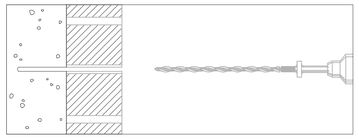
SECTIONS AND DETAILS

CONTRACT NUMBER 25-532
SHEET NUMBER FR-503
SHEET 35 of 162
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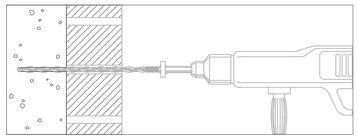
HELICAL WALL TIE DETAIL



DRILL PILOT HOLE THROUGH THE FAÇADE MATERIAL AND INTO THE BACKUP MATERIAL TO THE SPECIFIED EMBEDMENT DEPTH + 1" USING APPROPRIATE DRILL BIT(S) IN THE CHART BELOW. DRILL SHOULD BE IN ROTATION-ONLY MODE WHEN DRILLING INTO SOFT MASONRY OR INTO HOLLOW BACKING MATERIAL.



POSITION DRIVE END OF THE HELICAL WALL TIE FASTENER IN THE INSTALLATION TOOL AND INSERT THE TIE INTO THE PILOT HOLE.



WITH THE SDS-PLUS ROTOHAMMER IN HAMMER MODE, DRIVE THE TIE UNTIL THE TIP OF THE INSTALLATION TOOL ENTERS THE EXTERIOR SURFACE OF THE MASONRY AND COUNTERSINKS THE TIE BELOW THE SURFACE. PATCH THE HOLE IN THE FAÇADE WITH A MATCHING MASONRY MORTAR

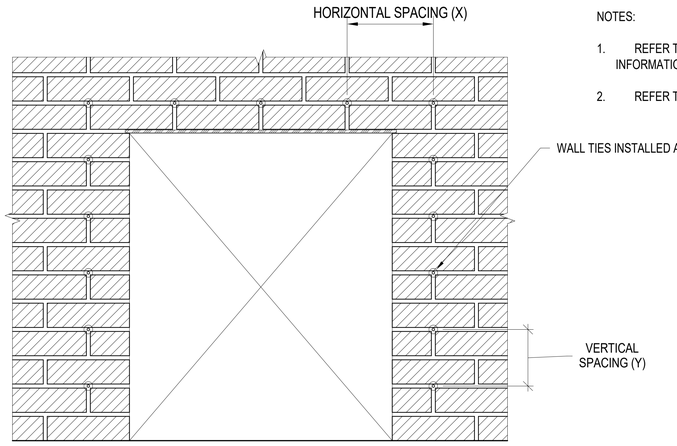
HELICAL TIE INSTALLATION REQUIREMENTS

1. MATERIAL: ANCHORS SHALL BE 3/8" DIAMETER HELICAL WALL TIES MANUFACTURED FROM TYPE 304 STAINLESS STEEL.
2. INSTALLATION STANDARDS: INSTALL ALL TIES IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
3. LOCATION: TIES SHALL BE INSTALLED THROUGH MORTAR JOINTS ONLY. DRILLING THROUGH THE BRICK FACE IS STRICTLY PROHIBITED. COORDINATE PILOT HOLE LOCATIONS TO ALIGN WITH HORIZONTAL OR VERTICAL JOINTS.
4. DRILLING PROCEDURE: DRILL PILOT HOLES INTO BASE MATERIAL USING A 3/16-INCH DIAMETER CARBIDE DRILL BIT CONFORMING TO ANSI STANDARD B212.15.
5. ALL HOLES SHALL BE DRILLED USING A HAMMER DRILL SET TO "HAMMER-PLUS-ROTATION" MODE.
6. RECESS & CONCEALMENT: ALL ANCHORS SHALL BE DRIVEN TO A MINIMUM DEPTH OF 5/8" BEHIND THE FACE OF THE MORTAR JOINT.
7. ENSURE ANCHOR IS FULLY RECESSED TO ALLOW FOR ADEQUATE MORTAR COVER.
8. PATCHING: PATCH PILOT HOLES WITH SPECIFIED REPOINTING MORTAR. TEXTURE AND TOOL JOINT TO MATCH ADJACENT REPOINTING WORK.

SIZE (IN.)	DRILL BIT DIAMETER (IN.)
3/8 x 8	7/32"

4 WALL TIE AROUND OPENING ELEVATION

1 1/2" = 1'-0"



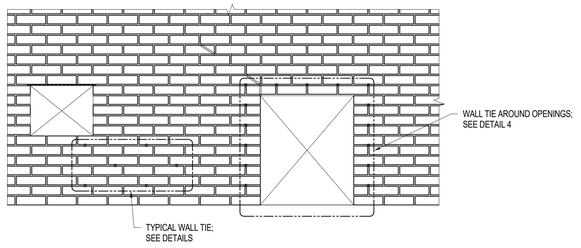
DIMENSIONS	
X	16"
Y	16"

NOTES:

1. REFER TO DETAIL 1 FOR ADDITIONAL INSTALLATION INFORMATION.
2. REFER TO DETAIL 5 FOR ADDITIONAL DIMENSIONS.

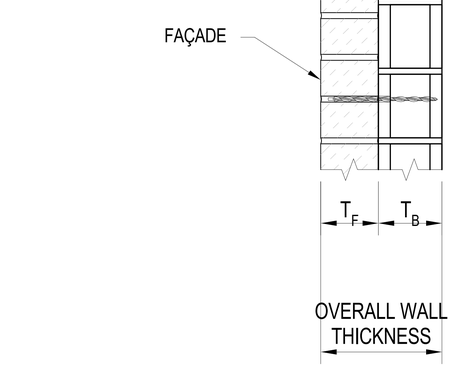
1 HELICAL WALL TIE

1 1/2" = 1'-0"



2 HELICAL WALL TIE APPLICATIONS

NTS



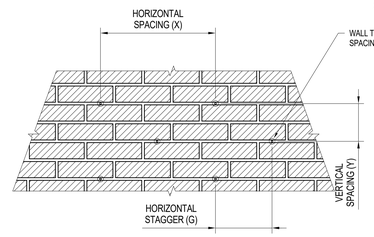
DIMENSIONS	
E	2 3/4"

NOTES:

1. REFER TO DETAIL 3 & 4 FOR SPACING OF WALL TIES.
2. REFER TO DETAIL 1 FOR ADDITIONAL INSTALLATION INFORMATION.

NOTES:

1. REFER TO DETAIL 1 FOR ADDITIONAL INSTALLATION INFORMATION.
2. REFER TO DETAIL 5 FOR ADDITIONAL DIMENSIONS.



DIMENSIONS	
X	16"
Y	16"
G	8"

3 TYPICAL WALL TIE APPLICATION ELEVATION

NTS

5 BACKUP: CMU OR CONCRETE

1 1/2" = 1'-0"

Seal:

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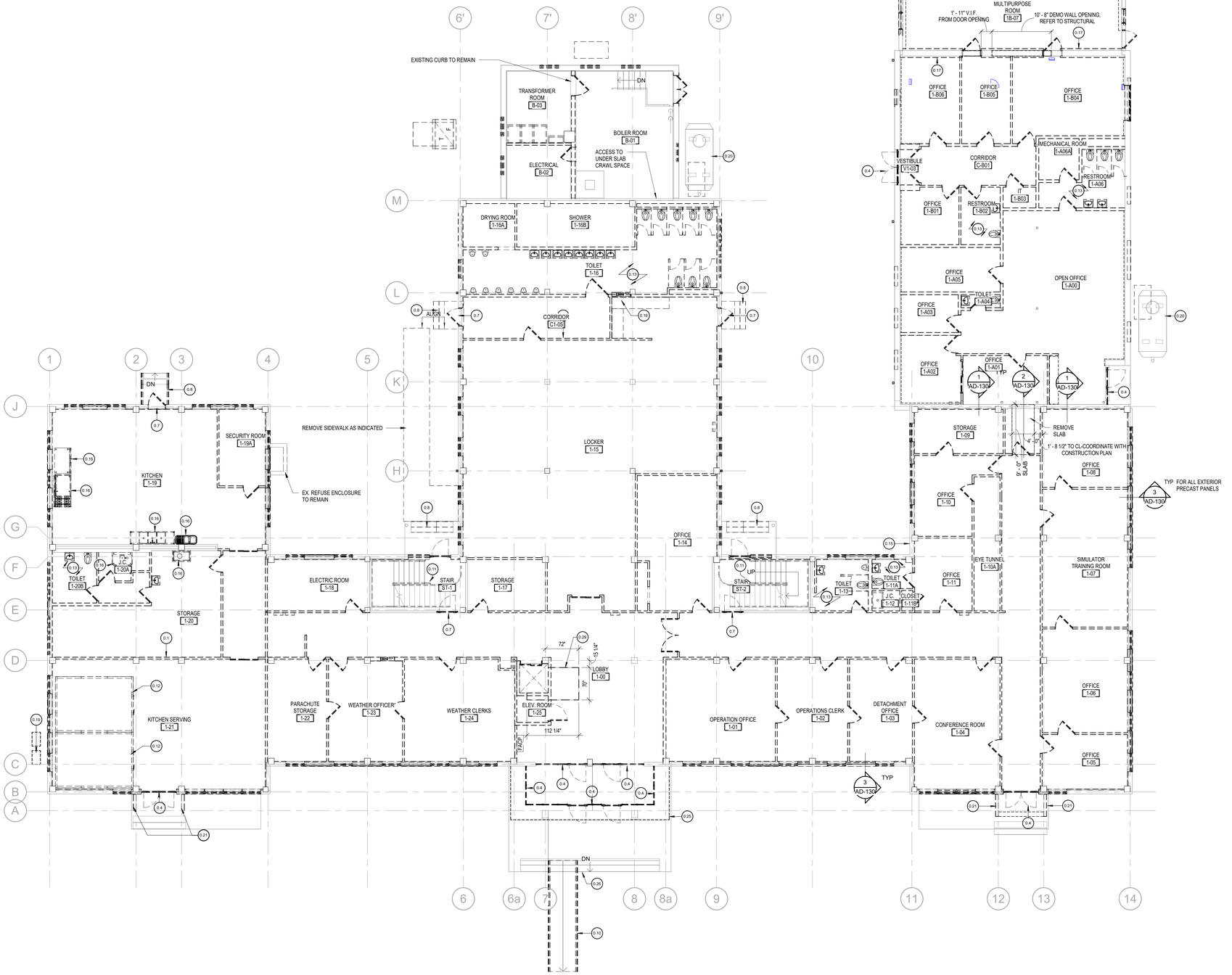
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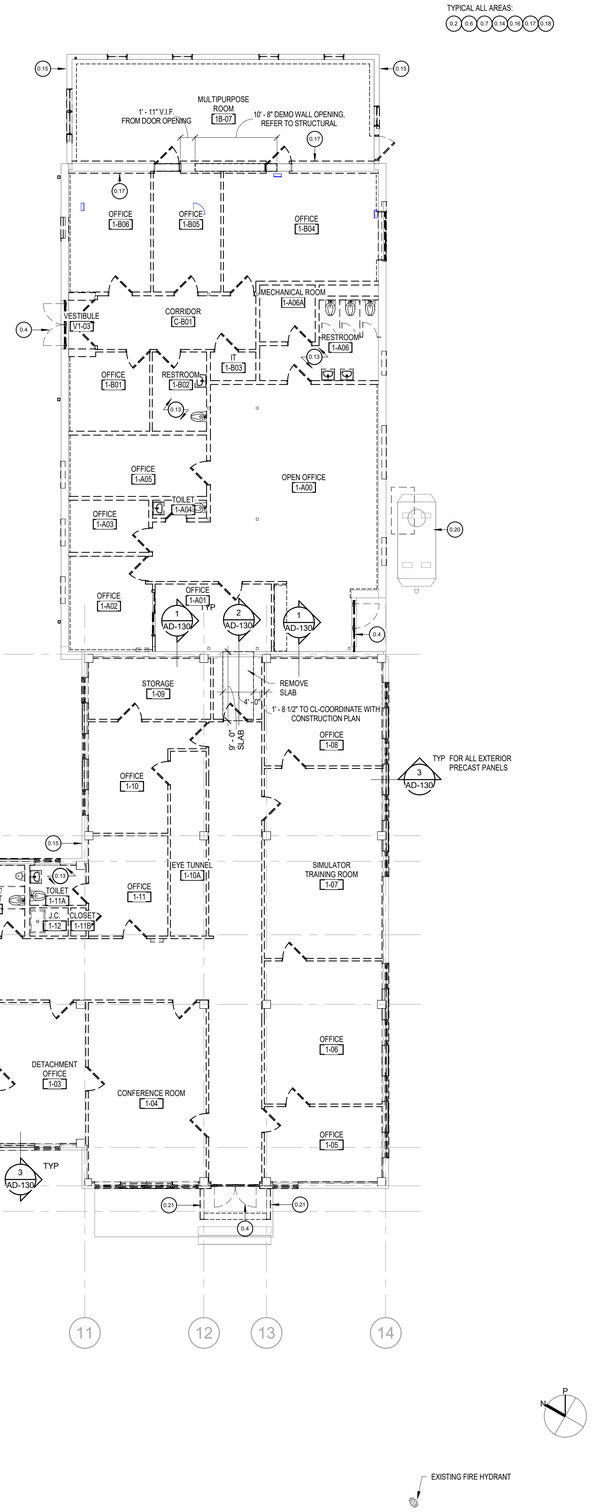
FACADE WALL SECTIONS AND DETAILS

CONTRACT NUMBER	SHEET NUMBER
25-532	FR-504

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1 1ST FLOOR DEMOLITION PLAN
AD-101 SCALE: 1/8" = 1'-0"

DEMOLITION PLAN LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE REMOVED IN EXISTING WALL
- 0.2 DEMOLITION KEYNOTE
- NOT IN SCOPE

GENERAL DEMOLITION NOTES

1. PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND COORDINATE AS REQUIRED TO COMPLETE ALL DEMOLITION SCOPE SHOWN IN THESE DOCUMENTS.
2. REMOVE OR REPAIR ANY ITEM NOT SPECIFICALLY IDENTIFIED, BUT REQUIRED TO BE REMOVED OR REPAIRED TO PREPARE FOR THE NEW WORK OR OTHERWISE PRODUCE A FINISHED PRODUCT AS INDICATED IN THE DOCUMENTS.
3. ITEMS TO BE REMOVED SHALL INCLUDE ALL ACCESSORIES (SUCH AS SWITCHES, THERMOSTATS, OUTLETS, MILLWORK, ETC.) IN ANY AREA WHERE ADJOINING PARTITIONS ARE SHOWN TO BE REMOVED. REVIEW ANY QUESTIONABLE ITEMS TO BE REMOVED WITH THE ARCHITECT BEFORE PROCEEDING.
4. DEMOLITION PLANS SHOW THE APPROXIMATE LAYOUT OF EXISTING PARTITIONS, DOORS, WINDOWS, ETC., AND ARE NOT INTENDED TO REPRESENT EXACT AS-BUILT CONDITIONS. ALL INFORMATION SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR. THE INTENT OF THE SELECTIVE DEMOLITION WORK IS TO REMOVE EXISTING FIT-OUT CONSTRUCTION ALLOWING ALL NEW CONSTRUCTION TO PROCEED. THE DEMOLITION DRAWINGS MAY NOT INDICATE ALL ITEMS TO BE REMOVED AND ARE TO BE USED AS A PART OF THE GENERAL CONTRACTOR'S ON SITE SURVEY TO DETERMINE THE COMPLETE SCOPE OF THE DEMOLITION WORK, AS INDICATED BY THE CONTRACT DOCUMENTS AND REQUIRED BY THE ON-SITE CONDITIONS.
5. COORDINATE ALL SHUTDOWNS AND/OR SERVICE INTERRUPTIONS WITH THE OWNER AND/OR AUTHORITIES HAVING JURISDICTION. NO SHUTDOWNS AND/OR SERVICE INTERRUPTIONS SHALL TAKE PLACE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. FAILURE TO COORDINATE PROPOSED SHUTDOWNS IN A TIMELY FASHION IS NOT CAUSE FOR A DELAY CLAIM.
6. DEMOLITION OPERATIONS SHALL TAKE PLACE ONLY WITHIN THE PARAMETERS OF THE APPROVED DEMOLITION SCHEDULE.
7. PROVIDE TEMPORARY UTILITIES, SAFETY DEVICES, FIRE PROTECTION IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT, BARRIERS, ETC., AS REQUIRED.
8. PATCH AND/OR REPAIR ANY ITEMS TO REMAIN THAT ARE DAMAGED BY REMOVAL OPERATIONS. REFINISH TO MATCH EXISTING ADJACENT FINISH, OR AS NOTED HEREIN. DOCUMENT ANY PRE-EXISTING DAMAGE AND NOTIFY THE ARCHITECT OF ANY DAMAGE PRIOR TO PRICING OR, AFTER AWARD, PRIOR TO PROCEEDING WITH ADJACENT WORK.
9. WHERE FINISHES ARE TO BE REMOVED, SUCH AS FLOORING, BASE, WALLCOVERING, ETC., UTILIZE A HIGH "STANDARD OF CARE" DURING REMOVAL TO MAINTAIN A SMOOTH AND LEVEL SUBSTRATE WHICH CAN BE PREPARED TO RECEIVE NEW FINISHES.
10. SCRAPE AND REMOVE ALL EXISTING IRREGULAR MATERIALS WHICH CAUSE RISES OR DEPRESSIONS IN THE FLOORING SURFACE, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.
11. TERMINATE AND REMOVE ALL PROJECT-RELEVANT POWER AND COMMUNICATION CONDUITS, DEVICES, RACEWAYS, ETC., BACK TO PANELS OR JUNCTIONS.
12. ALL DEVICES IN PARTITIONS SLATED TO BE REMOVED, SHALL ALSO BE REMOVED, BROUGHT BACK TO SOURCE OR RE-ROUTED / RELOCATED TO MAINTAIN FUNCTIONALITY IF REQUIRED.
13. ANY ITEMS NOT SPECIFICALLY IDENTIFIED, BUT REQUIRED TO BE REMOVED OR REPAIRED TO PREPARE FOR NEW WORK AS SHOWN IN THE CONTRACT DOCUMENTS, IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
14. REMOVE ALL MATERIALS IN A WORKMANLIKE MANNER AS APPROVED BY THE OWNER. OPENINGS, HOLES, ETC., SHALL BE NEATLY CUT, PLUMB, SQUARE, AND TRUE TO THE DIMENSIONS REQUIRED.
15. LEGALLY DISPOSE OF DEMOLISHED MATERIALS; RECYCLE MATERIALS AS REQUIRED BY SPECIFICATIONS.
16. PROTECT ITEMS OR MATERIALS INDICATED TO BE REUSED OR SALVAGED. COORDINATE WITH THE OWNER FOR DELIVERY OF SALVAGED ITEMS OR MATERIALS.
17. RESTORE ANY SURFACES OF FINISHES WHICH ARE SCRATCHED, MARRIED OR OTHERWISE DAMAGED BY THE INSTALLATION, MOVEMENT OR REMOVAL OF EQUIPMENT ASSOCIATED WITH DEMOLITION PROCEDURES (E.G. SCAFFOLDING, CONTAINERS, ETC.)
18. ALL LIFE SAFETY SYSTEMS SHALL REMAIN ACTIVE DURING DEMOLITION. THE SPACE SHALL BE MAINTAINED AND LEFT IN A SAFE CONDITION. ALL FLOOR OPENINGS, HAZARDS, AND UNSAFE CONDITIONS SHALL BE IDENTIFIED AND THE GENERAL CONTRACTOR SHALL PROVIDE PROPER NOTIFICATION AND OBSTACLES TO SECURE PUBLIC SAFETY.
19. PROTECT ALL ITEMS TO REMAIN THAT ARE EXPOSED TO SELECTIVE DEMOLITION. LOCATE DUST-PROOF TEMPORARY BARRIERS/PARTITIONS AS REQUIRED TO CONTROL WORK/OCCUPIED AREAS. ALL FIRE EGRESS AND LIFE SAFETY ROUTES FOR OCCUPIED AREAS ARE TO REMAIN ACCESSIBLE DURING ALL PHASES OF WORK.
20. SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE OWNER AND PROPER AUTHORITIES PRIOR TO IMPLEMENTING.
21. DEMOLITION WORK SHALL BE SCHEDULED AT ALL TIMES AND BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE OWNER AND IMPLEMENTED WITHOUT DISTRIBUTION TO OCCUPIED AREAS OF THE BUILDING SURROUNDING THE DEMOLITION ZONE.
22. FURNISH A SYSTEM OF TEMPORARY LIGHT AND POWER IN THE SPACE DURING DEMOLITION AND CONSTRUCTION.
23. DESIGN, PROVIDE, ERECT, AND MAINTAIN NECESSARY TEMPORARY SHORING, BRACING, FRAMING, OR SUPPORT WHERE LOAD BEARING STRUCTURAL OR SUPPORTING MEMBERS ARE WEAKENED BY CUT OR OPENINGS OR SUBJECT TO DAMAGE FROM DEMOLITION OPERATIONS AND OTHERWISE AS REQUIRED FOR SAFETY OR TO PROTECT FINISH SURFACES FROM DAMAGE.
24. IN ACCORDANCE WITH OWNER PROVIDED ASBESTOS ABATEMENT REPORT, ABATE ASBESTOS WITHIN THE AREAS OF DEMOLITION AND CONSTRUCTION DEFINED BY THESE DOCUMENTS.
25. ALL MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS OF LOCAL CITY, TOWNSHIP, COUNTY, AND STATE REQUIREMENTS.
26. LEVEL AND PREPARE CONCRETE FLOOR SLABS AS REQUIRED TO RECEIVE SPECIFIED NEW FLOOR FINISH. FILL AND FIRESTOP ALL OPENINGS IN FLOORS, CEILINGS AND OTHER RATED ASSEMBLIES TO MAINTAIN RATING INTEGRITY.
27. THE GENERAL CONTRACTOR SHALL IDENTIFY EQUIPMENT AND MATERIALS TO BE RELOCATED AND COORDINATE THEIR METHODS OF REMOVAL, SAFE STORAGE, INVENTORY, ETC. PRIOR TO START OF DEMOLITION WORK.
28. DO NOT CUT OR REMOVE CONSTRUCTION WHICH MIGHT WEAKEN OR IMPAIR THE STRUCTURAL INTEGRITY OR STRENGTH OF THE STRUCTURAL FRAMING OR SUPPORT SYSTEMS WHICH ARE TO REMAIN.
29. THE BUILDING AND SITE SHALL BE LEFT BROOM CLEAN & DRY AT THE END OF EACH DAY AND AT THE COMPLETION OF ALL DEMOLITION WORK.

KEYNOTES

Note	Description
0.1	TYPICAL. REMOVE EXISTING PARTITIONS AS SHOWN IN PLAN. PATCH ADJACENT PARTITIONS, FLOORS, AND/OR CEILINGS TO REMAIN AS REQUIRED TO MAKE NEW AND PREPARE FOR NEW CONSTRUCTION. ANY ELECTRICAL ALONG DEMOLISHED WALLS TO BE REMOVED AND POWER TO BE BROUGHT BACK TO SOURCE.
0.2	REMOVE EXISTING FLOORING, INCLUDING WALL BASE AND OTHER FINISHES. PATCH AND REPAIR CORE DRILLS, TYP.
0.4	REMOVE EXISTING STOREFRONT AND DOORS, PATCH AND REPAIR SURFACE TO RECEIVE NEW WORK, TYP.
0.6	REMOVE EXISTING EXTERIOR WINDOWS, PRE-CAST CONCRETE SPANDREL PANELS AND BACKER CMU, AND PRE-CAST SILL TYP.
0.7	REMOVE EXISTING EXTERIOR DOORS, TYP.
0.8	DEMOLISH EXISTING CONCRETE STAIRS, PREP AREA FOR NEW CONC INFILL FOR NEW LANDING & RAMP AS INDICATED ON CONSTRUCTION PLAN.
0.10	DEMOLISH EXISTING RAMP, GUARDRAILS & HANDRAILS TYP. U.N.O..
0.11	REMOVE EXISTING STAIR RAILING IN ITS ENTIRELY, STAIR TO REMAIN, PATCH AND REPAIR STAIR AND PREPARE FOR NEW WORK.
0.12	DEMOLISH EXISTING WALK-IN REFRIGERATOR. PROVIDE CONCRETE IN FILL AND LEVEL RECESSED SLAB, PREPARE SLAB FOR NEW FLOORING, ASSUME 4" INFILL, VIF
0.13	REMOVE EXISTING PLUMBING FIXTURES, TOILET ACCESSORIES, WALL TILES, FLOOR TILES, SINKS, FAUCET, URINALS, AND/OR TOILET STALLS. CAP WATER SUPPLY AND DRAINS.
0.14	REMOVE ALL EXISTING SUSPENDED CEILINGS, DRYWALL SOFFITS, LIGHTS.
0.15	REMOVE EXISTING AC UNIT, PREPARE EXTERIOR WALL ASSEMBLY FOR INFILL IN NEW WORK.
0.16	REMOVE EXISTING KITCHEN EQUIPMENT ON ITS ENTIRELY, CAP AND RETROFIT ALL PLUMBING, ELECTRICAL LINES AND DRAINS. COORDINATE WITH MEP DRAWINGS.
0.17	DEMOLISH EXISTING INTERIOR FURRING AND FINISHES FROM EXTERIOR CMU BACKER WALL, PATCH AND REPAIR IN PREPARATION FOR NEW WORK.
0.18	DEMOLISH ALL INTERIOR FINISH, INSULATION AND FRAMING DOWN TO BACKER CMU, TYPICAL AT ALL PERIMETER WALL.
0.19	REMOVE ALL MECHANICAL EQUIPMENT AND DEDICATED DUCTS, REFER TO MECHANICAL DRAWINGS.
0.20	TEMPORARILY REMOVE EXTERIOR EQUIPMENT TO ALLOW FOR BRICK WORK. EQUIPMENT TO BE RE-INSTALLED AFTER EXTERIOR BRICK WORK IS COMPLETED, REFER TO MEP DRAWINGS.
0.21	REMOVE EXISTING WING WALLS AND CANOPY EXTENSION AROUND SIDE ENTRANCE, PATCH AND REPAIR CANOPY AFTER REMOVALS.
0.25	REMOVE STUCCO CEILING AND INSULATION ABOVE
0.26	REPAIR EXISTING STEPS AFTER RAMP DEMOLITION
0.29	SAW CUT SLAB AS INDICATED FOR NEW ELEVATOR SHAFT OPENING, REFER TO ELEVATOR VENDOR AND STRUCTURAL DRAWINGS

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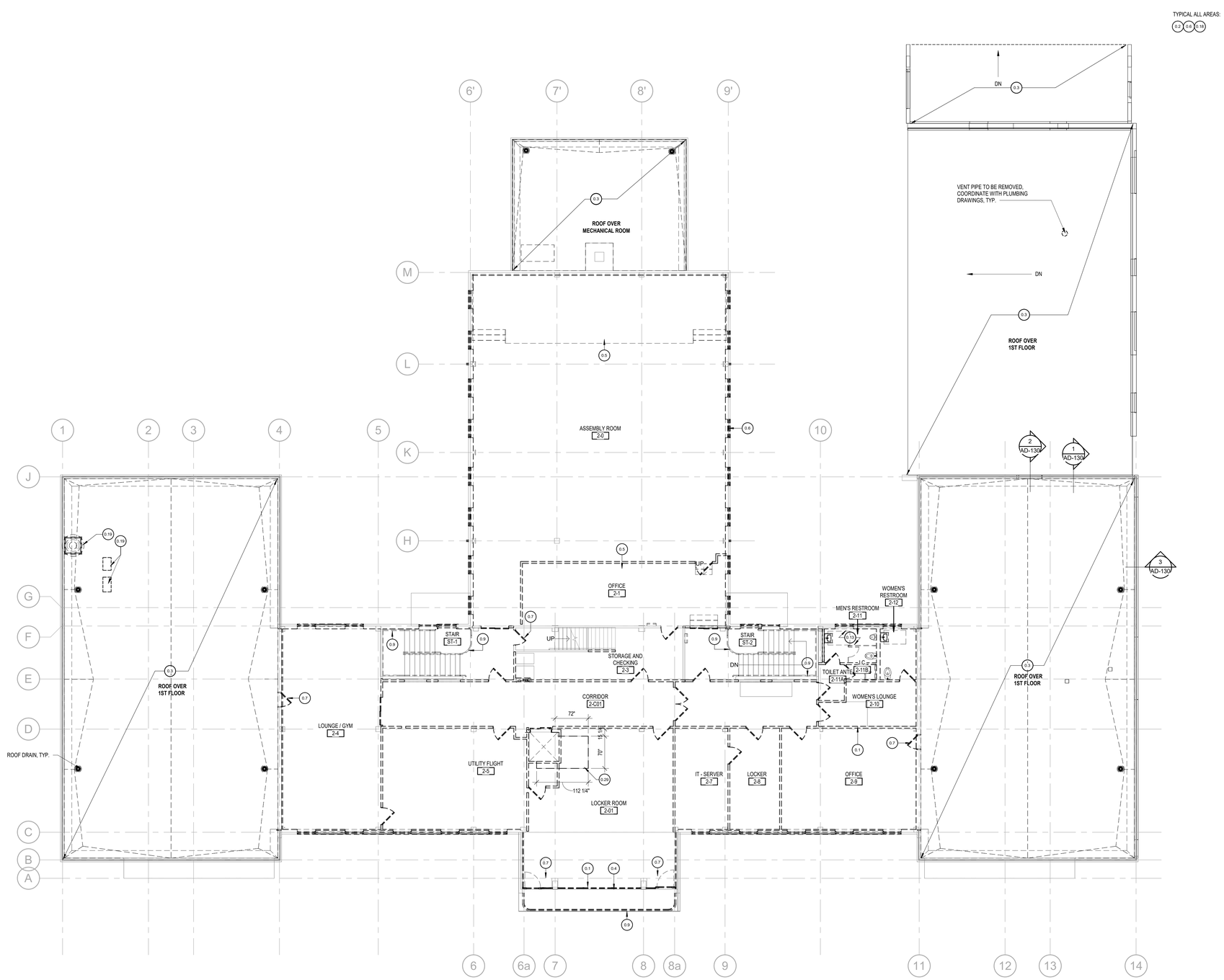
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BUILDING 1 REHABILITATION
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1ST FLOOR - DEMOLITION PLAN

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REV NO.: 0



1 2ND FLOOR DEMOLITION PLAN
AD-102 SCALE: 1/8" = 1'-0"

DEMOLITION PLAN LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE REMOVED IN EXISTING WALL
- 0.3 DEMOLITION KEYNOTE
- NOT IN SCOPE

TYPICAL ALL AREAS: 0.2 0.6 0.18

GENERAL DEMOLITION NOTES

1. PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND COORDINATE AS REQUIRED TO COMPLETE ALL DEMOLITION SCOPE SHOWN IN THESE DOCUMENTS.
2. REMOVE OR REPAIR ANY ITEM NOT SPECIFICALLY IDENTIFIED, BUT REQUIRED TO BE REMOVED OR REPAIRED TO PREPARE FOR THE NEW WORK OR OTHERWISE PRODUCE A FINISHED PRODUCT AS INDICATED IN THE DOCUMENTS.
3. ITEMS TO BE REMOVED SHALL INCLUDE ALL ACCESSORIES (SUCH AS SWITCHES, THERMOSTATS, OUTLETS, MILLWORK, ETC.) IN ANY AREA WHERE ADJOINING PARTITIONS ARE SHOWN TO BE REMOVED. REVIEW ANY QUESTIONABLE ITEMS TO BE REMOVED WITH THE ARCHITECT BEFORE PROCEEDING.
4. DEMOLITION PLANS SHOW THE APPROXIMATE LAYOUT OF EXISTING PARTITIONS, DOORS, WINDOWS, ETC., AND ARE NOT INTENDED TO REPRESENT EXACT AS-BUILT CONDITIONS. ALL INFORMATION SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR. THE INTENT OF THE SELECTIVE DEMOLITION WORK IS TO REMOVE EXISTING FIT-OUT CONSTRUCTION ALLOWING ALL NEW CONSTRUCTION TO PROCEED. THE DEMOLITION DRAWINGS MAY NOT INDICATE ALL ITEMS TO BE REMOVED AND ARE TO BE USED AS A PART OF THE GENERAL CONTRACTORS ON SITE SURVEY TO DETERMINE THE COMPLETE SCOPE OF THE DEMOLITION WORK, AS INDICATED BY THE CONTRACT DOCUMENTS AND REQUIRED BY THE ON-SITE CONDITIONS.
5. COORDINATE ALL SHUTDOWNS AND/OR SERVICE INTERRUPTIONS WITH THE OWNER AND/OR AUTHORITIES HAVING JURISDICTION. NO SHUTDOWNS AND/OR SERVICE INTERRUPTIONS SHALL TAKE PLACE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. FAILURE TO COORDINATE PROPOSED SHUTDOWNS IN A TIMELY FASHION IS NOT CAUSE FOR A DELAY CLAIM.
6. DEMOLITION OPERATIONS SHALL TAKE PLACE ONLY WITHIN THE PARAMETERS OF THE APPROVED DEMOLITION SCHEDULE.
7. PROVIDE TEMPORARY UTILITIES, SAFETY DEVICES, FIRE PROTECTION IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT, BARRIERS, ETC., AS REQUIRED.
8. PATCH AND/OR REPAIR ANY ITEMS TO REMAIN THAT ARE DAMAGED BY REMOVAL OPERATIONS. REFINISH TO MATCH EXISTING ADJACENT FINISH, OR AS NOTED HEREIN. DOCUMENT ANY PRE-EXISTING DAMAGE AND NOTIFY THE ARCHITECT OF ANY DAMAGE PRIOR TO PRICING OR, AFTER AWARD, PRIOR TO PROCEEDING WITH ADJACENT WORK.
9. WHERE FINISHES ARE TO BE REMOVED, SUCH AS FLOORING, BASE, WALLCOVERING, ETC., UTILIZE A HIGH "STANDARD OF CARE" DURING REMOVAL TO MAINTAIN A SMOOTH AND LEVEL SUBSTRATE WHICH CAN BE PREPARED TO RECEIVE NEW FINISHES.
10. SCRAPE AND REMOVE ALL EXISTING IRREGULAR MATERIALS WHICH CAUSE RISES OR DEPRESSIONS IN THE FLOORING SURFACE, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.
11. TERMINATE AND REMOVE ALL PROJECT-RELEVANT POWER AND COMMUNICATION CONDUITS, DEVICES, RACEWAYS, ETC., BACK TO PANELS OR JUNCTIONS.
12. ALL DEVICES IN PARTITIONS SLATED TO BE REMOVED, SHALL ALSO BE REMOVED, BROUGHT BACK TO SOURCE OR RE-ROUTED / RELOCATED TO MAINTAIN FUNCTIONALITY IF REQUIRED.
13. ANY ITEMS NOT SPECIFICALLY IDENTIFIED, BUT REQUIRED TO BE REMOVED OR REPAIRED TO PREPARE FOR NEW WORK AS SHOWN IN THE CONTRACT DOCUMENTS, IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
14. REMOVE ALL MATERIALS IN A WORKMANLIKE MANNER AS APPROVED BY THE OWNER. OPENINGS, HOLES, ETC., SHALL BE NEATLY CUT, PLUMB, SQUARE, AND TRUE TO THE DIMENSIONS REQUIRED.
15. LEGALLY DISPOSE OF DEMOLISHED MATERIALS; RECYCLE MATERIALS AS REQUIRED BY SPECIFICATIONS.
16. PROTECT ITEMS OR MATERIALS INDICATED TO BE REUSED OR SALVAGED. COORDINATE WITH THE OWNER FOR DELIVERY OF SALVAGED ITEMS OR MATERIALS.
17. RESTORE ANY SURFACES OF FINISHES WHICH ARE SCRATCHED, MARRIED OR OTHERWISE DAMAGED BY THE INSTALLATION, MOVEMENT OR REMOVAL OF EQUIPMENT ASSOCIATED WITH DEMOLITION PROCEDURES (E.G. SCAFFOLDING, CONTAINERS, ETC.)
18. ALL LIFE SAFETY SYSTEMS SHALL REMAIN ACTIVE DURING DEMOLITION. THE SPACE SHALL BE MAINTAINED AND LEFT IN A SAFE CONDITION. ALL FLOOR OPENINGS, HAZARDS, AND UNSAFE CONDITIONS SHALL BE IDENTIFIED AND THE GENERAL CONTRACTOR SHALL PROVIDE PROPER NOTIFICATION AND OBSTACLES TO SECURE PUBLIC SAFETY.
19. PROTECT ALL ITEMS TO REMAIN THAT ARE EXPOSED TO SELECTIVE DEMOLITION. LOCATE DUST-PROOF TEMPORARY BARRIERS/PARTITIONS AS REQUIRED TO CONTROL WORK/OCCUPIED AREAS. ALL FIRE EGRESS AND LIFE SAFETY ROUTES FOR OCCUPIED AREAS ARE TO REMAIN ACCESSIBLE DURING ALL PHASES OF WORK.
20. SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE OWNER AND PROPER AUTHORITIES PRIOR TO IMPLEMENTING.
21. DEMOLITION WORK SHALL BE SCHEDULED AT ALL TIMES AND BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE OWNER AND IMPLEMENTED WITHOUT DISTRIBUTION TO OCCUPIED AREAS OF THE BUILDING SURROUNDING THE DEMOLITION ZONE.
22. FURNISH A SYSTEM OF TEMPORARY LIGHT AND POWER IN THE SPACE DURING DEMOLITION AND CONSTRUCTION.
23. DESIGN, PROVIDE, ERECT, AND MAINTAIN NECESSARY TEMPORARY SHORING, BRACING, FRAMING, OR SUPPORT WHERE LOAD BEARING STRUCTURAL OR SUPPORTING MEMBERS ARE WEAKENED BY CUT OR OPENINGS OR SUBJECT TO DAMAGE FROM DEMOLITION OPERATIONS AND OTHERWISE AS REQUIRED FOR SAFETY OR TO PROTECT FINISH SURFACES FROM DAMAGE.
24. IN ACCORDANCE WITH OWNER PROVIDED ASBESTOS ABATEMENT REPORT, ABATE ASBESTOS WITHIN THE AREAS OF DEMOLITION AND CONSTRUCTION DEFINED BY THESE DOCUMENTS.
25. ALL MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS OF LOCAL CITY, TOWNSHIP, COUNTY, AND STATE REQUIREMENTS.
26. LEVEL AND PREPARE CONCRETE FLOOR SLABS AS REQUIRED TO RECEIVE SPECIFIED NEW FLOOR FINISH. FILL AND FIRESTOP ALL OPENINGS IN FLOORS, CEILINGS AND OTHER RATED ASSEMBLIES TO MAINTAIN RATING INTEGRITY.
27. THE GENERAL CONTRACTOR SHALL IDENTIFY EQUIPMENT AND MATERIALS TO BE RELOCATED AND COORDINATE THEIR METHODS OF REMOVAL, SAFE STORAGE, INVENTORY, ETC. PRIOR TO START OF DEMOLITION WORK.
28. DO NOT CUT OR REMOVE CONSTRUCTION WHICH MIGHT WEAKEN OR IMPAIR THE STRUCTURAL INTEGRITY OR STRENGTH OF THE STRUCTURAL FRAMING OR SUPPORT SYSTEMS WHICH ARE TO REMAIN.
29. THE BUILDING AND SITE SHALL BE LEFT BROOM CLEAN & DRY AT THE END OF EACH DAY AND AT THE COMPLETION OF ALL DEMOLITION WORK.

KEYNOTES

Note	Description
0.1	TYPICAL, REMOVE EXISTING PARTITIONS AS SHOWN IN PLAN. PATCH ADJACENT PARTITIONS, FLOORS, AND/OR CEILINGS TO REMAIN AS REQUIRED TO MAKE NEW AND PREPARE FOR NEW CONSTRUCTION. ANY ELECTRICAL ALONG DEMOLISHED WALLS TO BE REMOVED AND POWER TO BE BROUGHT BACK TO SOURCE.
0.2	REMOVE EXISTING FLOORING, INCLUDING WALL BASE AND OTHER FINISHES. PATCH AND REPAIR CORE DRILLS, TYP.
0.3	REMOVE EXISTING BUILT-UP ROOFING, DRAINS, CEMENTITIOUS TOPPING/INSULATION, CURBS, METAL COPING, FLASHING ETC DOWN TO EXISTING ROOF SLAB, EXISTING PRE-CAST COPING TO REMAIN. CLEAN AND PREPARE SLAB FOR NEW ROOFING, REFER TO ROOFING DETAILS.
0.4	REMOVE EXISTING STOREFRONT AND DOORS, PATCH AND REPAIR SURFACE TO RECEIVE NEW WORK. TYP.
0.5	REMOVE WOOD FRAMED PLATFORM AND STEPS DOWN TO EXISTING SLAB. TYP.
0.6	REMOVE EXISTING EXTERIOR WINDOWS, PRE-CAST CONCRETE SPANDREL PANELS AND BACKER CMU, AND PRE-CAST SILL TYP.
0.7	REMOVE EXISTING EXTERIOR DOORS, TYP.
0.9	REMOVE EXISTING GUARDRAILS & HANDRAILS TYP U.N.O.
0.13	REMOVE EXISTING PLUMBING FIXTURES, TOILET ACCESSORIES, WALL TILES, FLOOR TILES, SINKS, FAUCET, URINALS, AND/OR TOILET STALLS. CAP WATER SUPPLY AND DRAINS.
0.18	DEMOLISH ALL INTERIOR FINISH, INSULATION AND FRAMING DOWN TO BACKER CMU, TYPICAL AT ALL PERIMETER WALL.
0.19	REMOVE ALL MECHANICAL EQUIPMENT AND DEDICATED DUCTS, REFER TO MECHANICAL DRAWINGS.
0.29	SAW CUT SLAB AS INDICATED FOR NEW ELEVATOR SHAFT OPENING, REFER TO ELEVATOR VENDOR AND STRUCTURAL DRAWINGS.

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- AS BUILT - CHANGES AS NOTED
- AS BUILT - NO CHANGES

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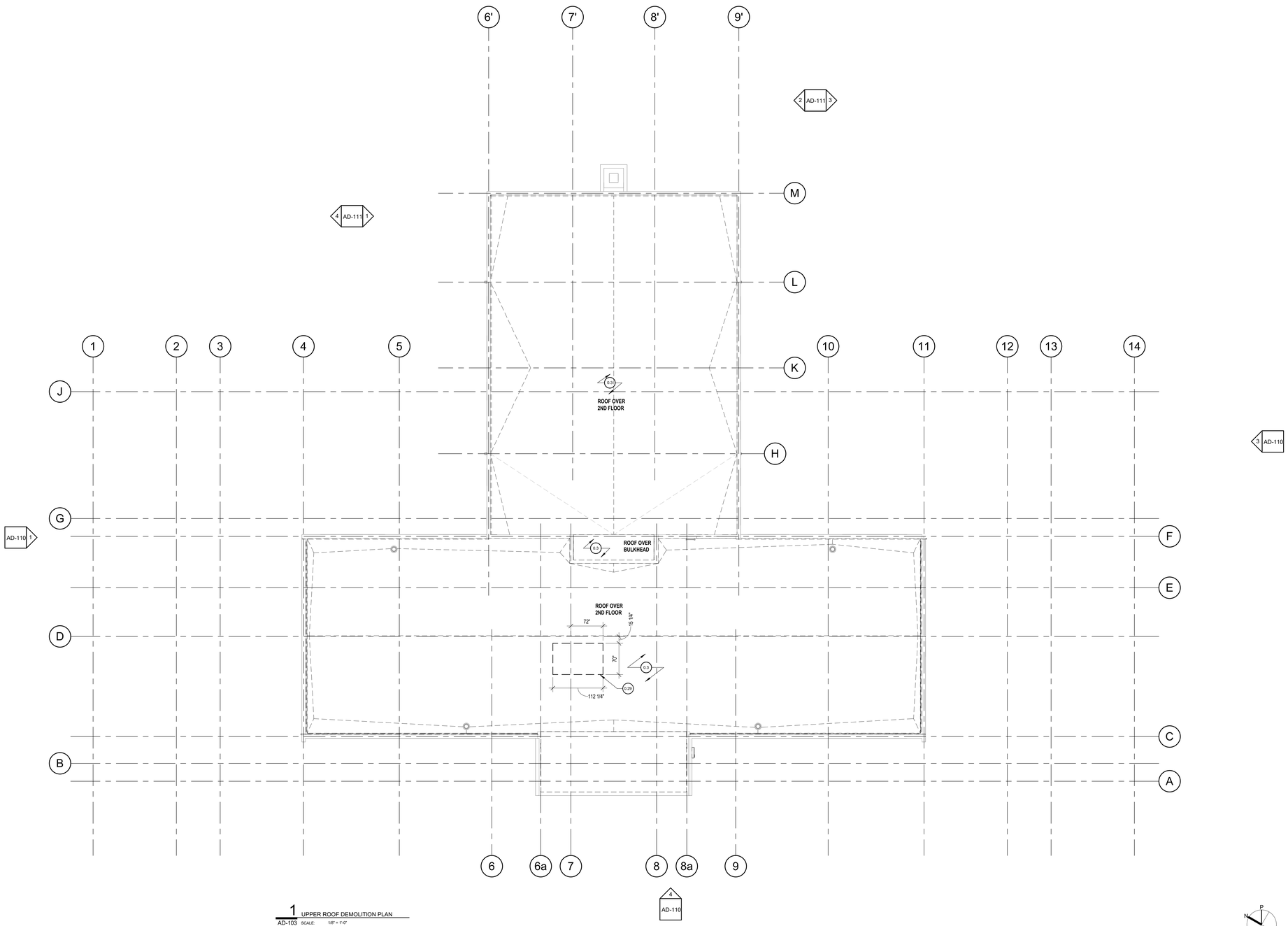
PROJECT COORDINATOR
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

2ND FLOOR/LOWER ROOF - DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: AD-102
SHEET 38 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-411-0
REV NO.: 0



1 UPPER ROOF DEMOLITION PLAN
AD-103 SCALE: 1/8" = 1'-0"

DEMOLITION PLAN LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
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- EXISTING DOOR TO BE REMOVED IN EXISTING WALL
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29. THE BUILDING AND SITE SHALL BE LEFT BROOM CLEAN & DRY AT THE END OF EACH DAY AND AT THE COMPLETION OF ALL DEMOLITION WORK.

KEYNOTES

Note	Description
0.3	REMOVE EXISTING BUILT-UP ROOFING, DRAINS, CEMENTITIOUS TOPPING/INSULATION, CURBS, METAL COPING, FLASHING ETC DOWN TO EXISTING ROOF SLAB, EXISTING PRE-CAST COPING TO REMAIN; CLEAN AND PREPARE SLAB FOR NEW ROOFING, REFER TO ROOFING DETAILS.
0.29	SAW CUT SLAB AS INDICATED FOR NEW ELEVATOR SHAFT OPENING, REFER TO ELEVATOR VENDOR AND STRUCTURAL DRAWINGS.

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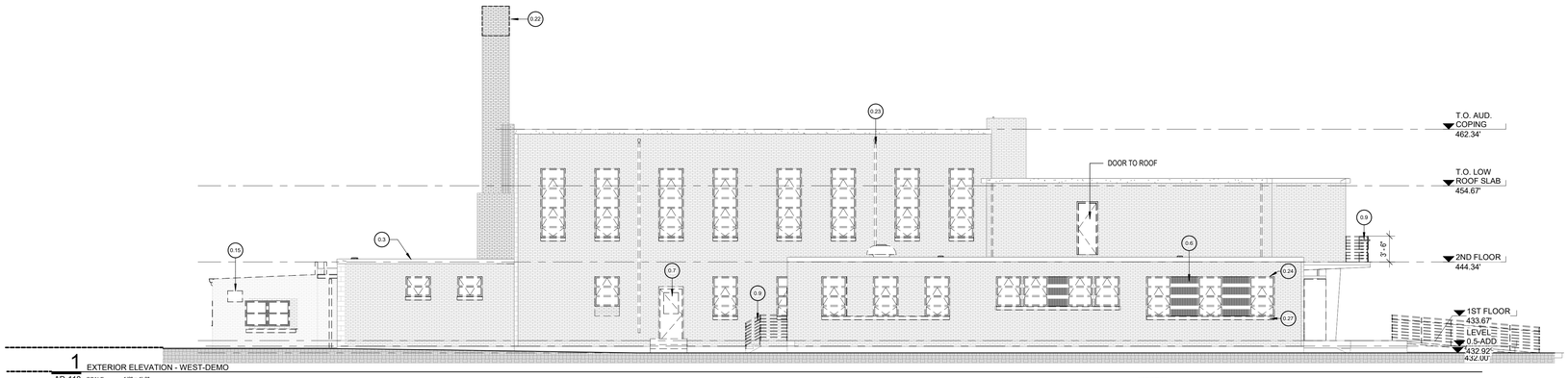
WESTCHESTER COUNTY, NEW YORK
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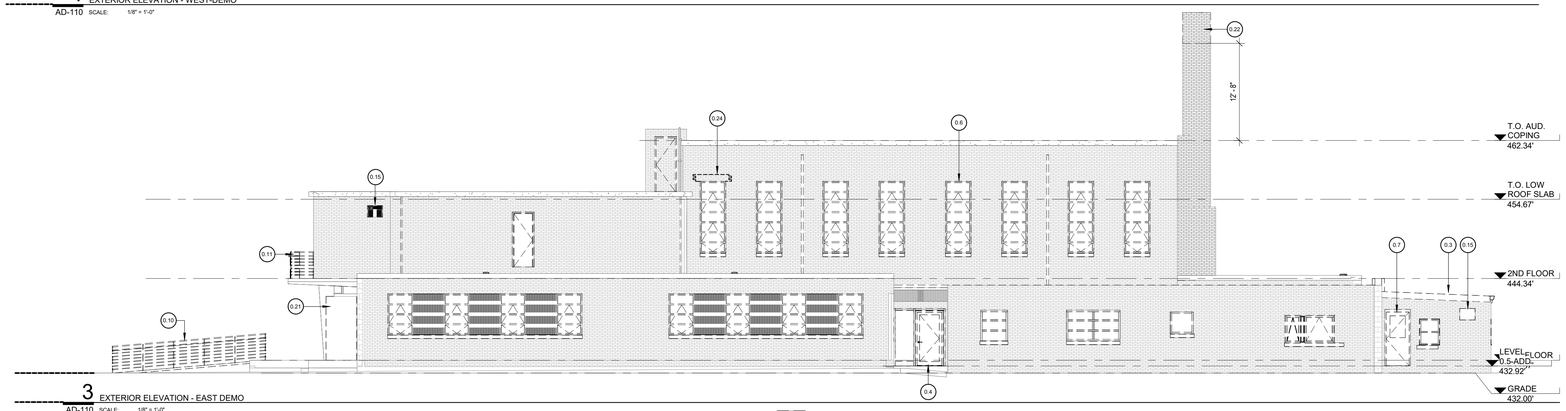
UPPER ROOF - DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: AD-103
SHEET 39 of 162
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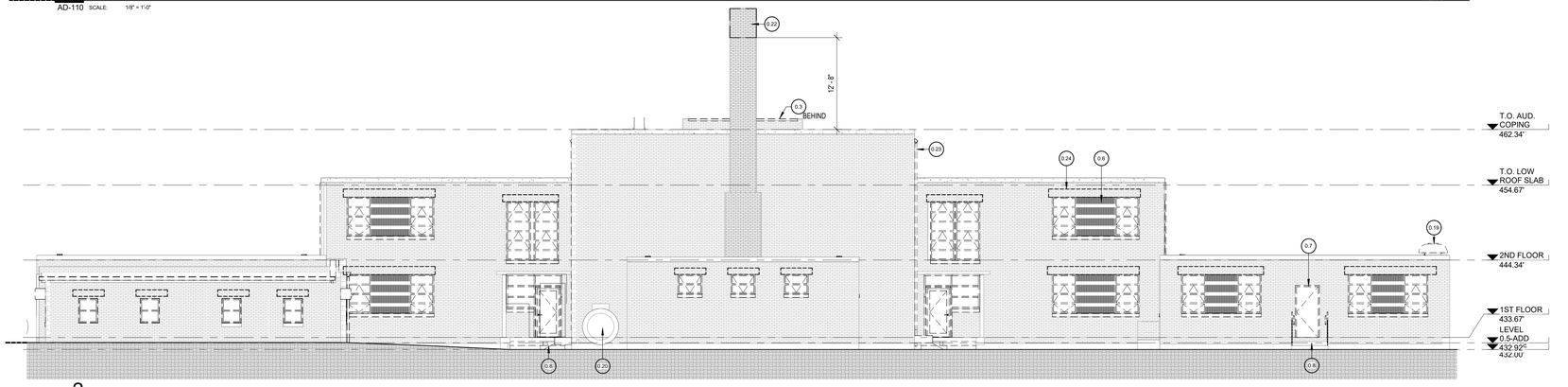
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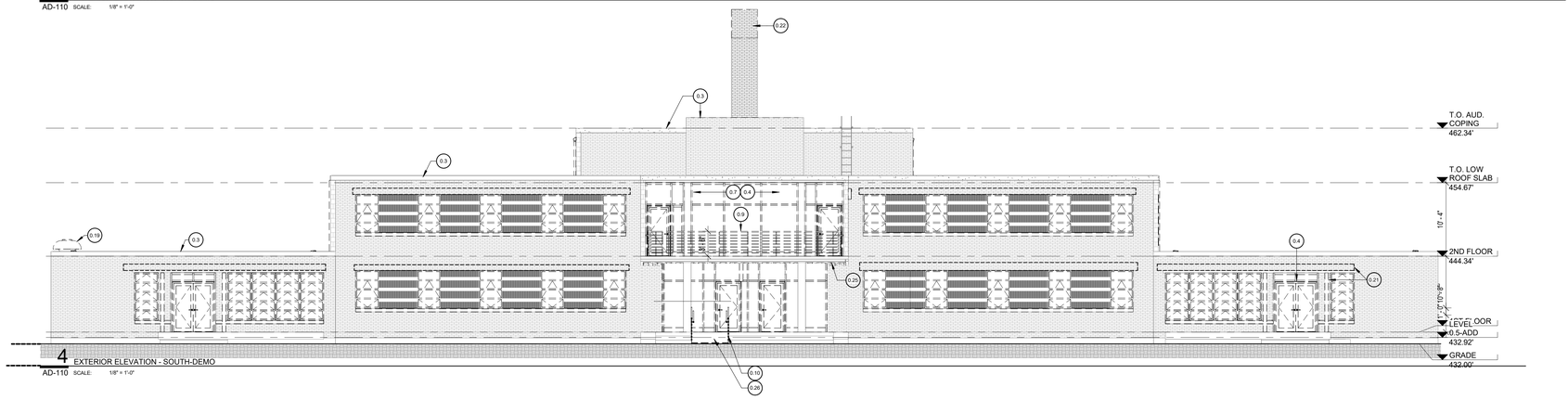
1 EXTERIOR ELEVATION - WEST-DEMO
AD-110 SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST DEMO
AD-110 SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION - NORTH-DEMO
AD-110 SCALE: 1/8" = 1'-0"



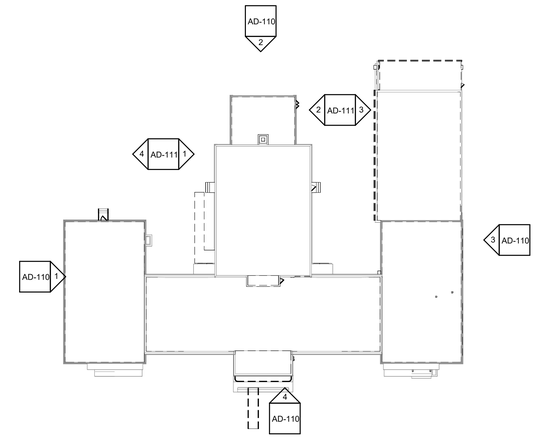
4 EXTERIOR ELEVATION - SOUTH-DEMO
AD-110 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. VERIFY ALL FIELD DIMENSIONS. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS IN THE LOCATION(S) OF NEW CONSTRUCTION. UPON COMPLETION OF PARTITION LAYOUT, NOTIFY THE ARCHITECT FOR VERIFICATION OF THE LAYOUT PRIOR TO PARTITION INSTALLATION.
2. INSTALL ALL PARTITIONS TO CONFORM TO MANUFACTURERS INSTRUCTIONS, ANCHORED FIRMLY TO SLAB AND TIGHTLY SECURED TO DECK ABOVE. ALL DEMISING AND PARTITION WALLS TO BE SEALED AGAINST WINDOW MULLIONS, EXISTING WALLS, ETC. WHERE A PARTITION WALL TERMINATES AGAINST A WINDOW, CONTRACTOR TO SUPPLY ALUMINUM END CAP WITH NEOPRENE GASKET TO ENSURE TIGHT, BUT FLEXIBLE SEAL.TAPE AND SPACKLE ALL GWB WHERE EXPOSED OR REQUIRED BY CODE. USE METAL CORNER BEADS AND METAL "J" BEADS ON EXPOSED EDGES.
3. DIMENSIONS MARKED ± MEAN A TOLERANCE NOT GREATER NOR SMALLER THAN 1/4 INCHES FROM INDICATED DIMENSION, U.O.N. VERIFY FIELD DIMENSIONS EXCEEDING TOLERANCE WITH THE ARCHITECT.
4. SET FINISH DOOR OPENINGS AT 6" FROM ADJACENT PERPENDICULAR PARTITION UNLESS OTHERWISE NOTED. DIMENSIONS LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB.
5. MAINTAIN REQUIRED ACOUSTICAL RATING OR FIRE RATING WHEREVER PARTITIONS PENETRATING FINISHED CEILING ARE PIERCED BY CONDUIT, DUCTS, PIPES, CABLE TRAYS, STEEL OR SIMILAR SERVICES. DEMISING WALL OR SLAB PENETRATIONS ARE TO HAVE FIRE DAMPERS AND PACKED WITH FIREPROOF SAFING.
6. REAPPLY FIRE PROOFING TO MAINTAIN FIRE RATING WHEREVER NEW CONSTRUCTION IS ANCHORED FIRMLY AND DIRECTLY TO EXISTING FIRE RATED CONSTRUCTION. PROVIDE FIREPROOFING MATERIAL TO NEW CONSTRUCTION AS REQUIRED BY APPLICABLE CODES.
7. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FINISH FACE OF PARTITION, CENTERLINE OF COLUMN OR CENTERLINE OF WINDOW MULLION.
8. NO MECHANICAL FASTENERS TO PUNCTURE OR MAR PERIMETER WINDOW FRAMES OR MULLIONS PROVIDE ACOUSTICAL SEALER BETWEEN EXISTING PERIMETER WINDOW MULLION/COLUMN.
9. PROVIDE CONCEALED BLOCKING IN ALL PARTITIONS INCLUDING, BUT NOT LIMITED TO, OPEN AND CLOSED SHELVING, COAT RODS AND SHELVES, AUDIO-VISUAL EQUIPMENT, CABINETRY, COUNTERS, DOOR FRAMES AND HEADER.
10. EXISTING FLOOR SLAB SHALL BE ADDITIONALLY PATCHED, REPAIRED REFINISHED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISH MATERIALS.
11. PROVIDE ELECTRICAL SERVICE JUNCTION BOXES, CONTINUOUS CONDUIT RUNS AND ADDITIONAL BLOCKING AS REQUIRED TO ACCOMMODATE ELECTRICALLY CONTROLLED SECURITY ACCESS SYSTEMS. MODIFY AND PREPARE SCHEDULED DOOR, FRAME AND HARDWARE TO COORDINATE WITH SECURITY REQUIREMENTS.
12. ALL EXISTING SURFACES TO REMAIN SHALL BE PATCHED, SANDED SMOOTH, SKIM COATED AS REQUIRED AND PREPAIRED TO RECEIVE NEW FINISHES. NEW CONSTRUCTION SHOWN ALIGNED WITH EXISTING CONSTRUCTION SHALL BE INSTALLED FLUSH AND SMOOTH.
13. PATCH OR PROVIDE NEW FIREPROOFING/ FIRE STOPPING AT ALL EXISTING AND NEW SHAFT WALL, FLOOR SLAB, AND EXTERIOR WALL PENETRATIONS INCLUDING, BUT NOT LIMITED TO DUCTWORK, PIPEWAYS, AND CONDUIT RUNS.
14. USE TYPE "X" GWB ON FIRE RATED PARTITIONS. WHERE SCHEDULED PARTITION TYPE IS TO RECEIVE CERAMIC TILE, OR IS TO BE LOCATED IN A WET AREA, OMIT GWB AND PROVIDE GREEN-BOARD TYPE PRODUCT.
15. EXISTING MATERIAL OR ITEMS SCHEDULED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION, SHALL BE REPAIRED, PATCHED AND REFINISHED TO THE NEAREST INTERSECTION, RESTORING SURFACE TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
16. ALL GLASS SHALL BE CLEAR TEMPERED GLASS, U.O.N. GLAZING TONG MARKS SHALL NOT BE VISIBLE. CLEAN AND POLISH ALL GLASS PRIOR TO PROJECT DELIVERY & AFTER INSTALLATION.
17. TRIM THE BOTTOMS OF DOORS TO CLEAR THE TOP OF FINISHED FLOOR, AS APPLICABLE, BY 1/4" INCH MAXIMUM, UNLESS OTHERWISE NOTED. VERIFY SLAB CONDITIONS. TRIM EACH DOOR TO FIT CONDITION. WHERE RADICAL VARIATIONS IN FLOOR ELEVATION EXIST, DOORS SHALL BE ORDERED WITH BOTTOM STILE SIZED TO ACCOMMODATE THESE UNDERCUT CONDITIONS.
18. CEILING HEIGHT PARTITIONS SHALL BE INSTALLED TIGHT TO FINISHED CEILING, WITH NO JOINTS VARYING MORE THAN 1/8" OVER 6'-0" AND NO JOINTS GREATER THAN 3/16", U.O.N.
19. INSTALL ALL NEW WORK TO COMPLY WITH ALL APPLICABLE CODES.
20. IN AREAS WHERE CORE DRILLING OR SAW CUTTING IS REQUIRED FOR PLUMBING OR STRUCTURAL SUPPORT, PATCH THE CONCRETE SLAB WITH MATERIAL TO MATCH EXISTING BUILDING STANDARD.
21. EXISTING MATERIAL OR ITEMS SCHEDULED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION SHALL BE REPAIRED, PATCHED AND REFINISHED TO THE NEAREST INTERSECTION, RESTORING SURFACE TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
22. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE, UNLESS OTHERWISE NOTED.
23. ALL OPENING ON ROOF SLAB LEFT AFTER DEMOLITION EIDUCTS, MECHANICAL EQUIPMENT AND/ OR OTHER SLAB PENETRATIONS SHALL BE FILLED ON NEW WORK FLUSH TO EXISTING TO REMAIN ROOF SLAB U.O.N., PREPARE SURFACE FOR NRE ROOFING WORK, REFER TO STRUCTURAL DRAWINGS FOR SLAB FILLING DETAILS
24. ALL TWO SIDED PARTITIONS TO BE TYPE A0/04 U.O.N.; ALL ONE SIDED PARTITIONS TO BE TYPE F0/04 U.O.N. .

KEYNOTES

Note	Description
0.3	REMOVE EXISTING BUILT-UP ROOFING, DRAINS, CEMENTITIOUS TOPPING/INSULATION, CURBS, METAL COPING, FLASHING ETC DOWN TO EXISTING ROOF SLAB, EXISTING PRE-CAST COPING TO REMAIN, CLEAN AND PREPARE SLAB FOR NEW ROOFING, REFER TO ROOFING DETAILS.
0.4	REMOVE EXISTING STOREFRONT AND DOORS, PATCH AND REPAIR SURFACE TO RECEIVE NEW WORK. TYP.
0.6	REMOVE EXISTING EXTERIOR WINDOWS, PRE-CAST CONCRETE SPANDREL PANELS AND BACKER CMU, AND PRE-CAST SILL TYP
0.7	REMOVE EXISTING EXTERIOR DOORS, TYP.
0.8	DEMOLISH EXISTING CONCRETE STAIRS, PREP AREA FOR NEW CONC INFILL FOR NEW LANDING & RAMP AS INDICATED ON CONSTRUCTION PLAN.
0.9	REMOVE EXISTING GUARDRAILS & HANDRAILS TYP U.N.O.
0.10	DEMOLISH EXISTING RAMP, GUARDRAILS & HANDRAILS TYP. U.N.O..
0.11	REMOVE EXISTING STAIR RAILING IN ITS ENTIRELY, STAIR TO REMAIN, PATCH AND REPAIR STAIR AND PREPARE FOR NEW WORK.
0.15	REMOVE EXISTING AC UNIT, PREPARE EXTERIOR WALL ASSEMBLY FOR INFILL IN NEW WORK.
0.19	REMOVE ALL MECHANICAL EQUIPMENT AND DEDICATED DUCTS, REFER TO MECHANICAL DRAWINGS.
0.20	TEMPORARILY REMOVE EXTERIOR EQUIPMENT TO ALLOW FOR BRICK WORK, EQUIPMENT TO BE RE-INSTALLED AFTER EXTERIOR BRICK WORK IS COMPLETED, REFER TO MEP DRAWINGS.
0.21	REMOVE EXISTING WING WALLS AND CANOPY EXTENSION AROUND SIDE ENTRANCE, PATCH AND REPAIR CANOPY AFTER REMOVALS.
0.22	REMOVE UPPER PORTION OF MASONRY EXHAUST STACK, SEE M DRAWINGS. PROVIDE TEMPORARY AVIATION OBSTRUCTION LIGHTING AS REQUIRED TO ENSURE CONTINUOUS FAA-COMPLIANT AVIATION LIGHT OPERATION DURING ALL PHASES OF WORK. TYP.
0.23	REMOVE GUTTERS AND DOWNSPOUTS. TYP
0.24	REMOVE AND SALVAGE BRICKS AS REQUIRED FOR LINTEL REPAIRS/REPLACEMENTS, TYP. SEE FR DRAWINGS
0.25	REMOVE STUCCO CEILING AND INSULATION ABOVE
0.26	REPAIR EXISTING STEPS AFTER RAMP DEMOLITION
0.27	REMOVE EXISTING PRECAST SILL, TYP AT ALL WINDOWS. BACKER CMU TO REMAIN, CLEAN SURFACE AND PREPARE FOR NRE SILL INSTALLATION



KEY PLAN

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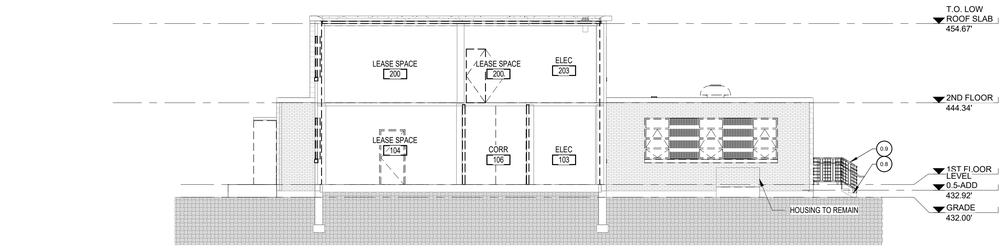
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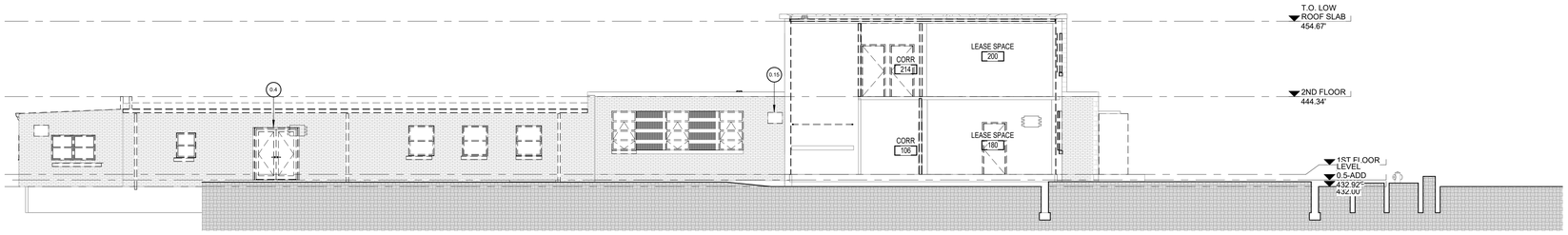
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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXTERIOR DEMO ELEVATIONS

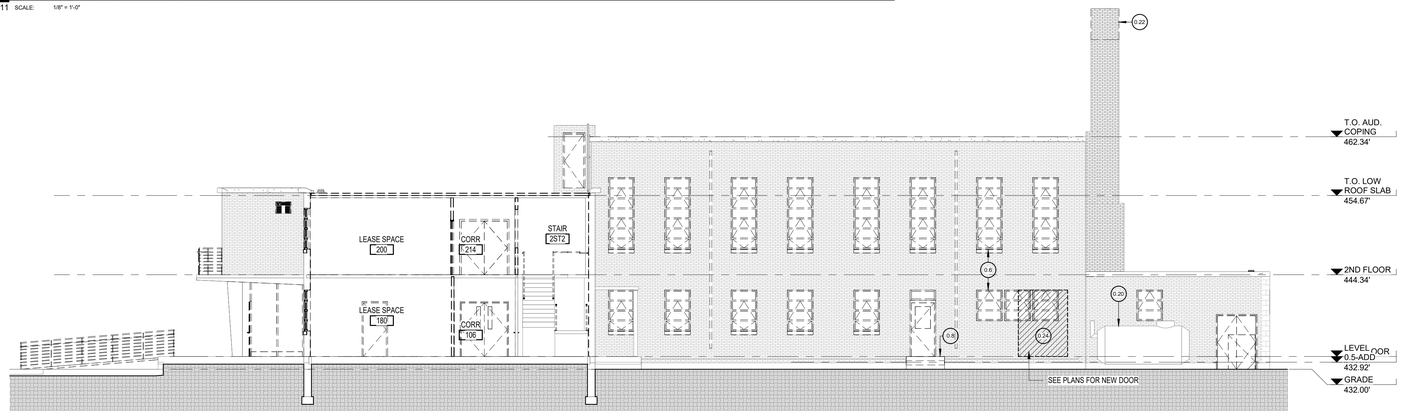
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SHEET NUMBER: AD-110
SHEET 40 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-413-0
REV NO.: 0



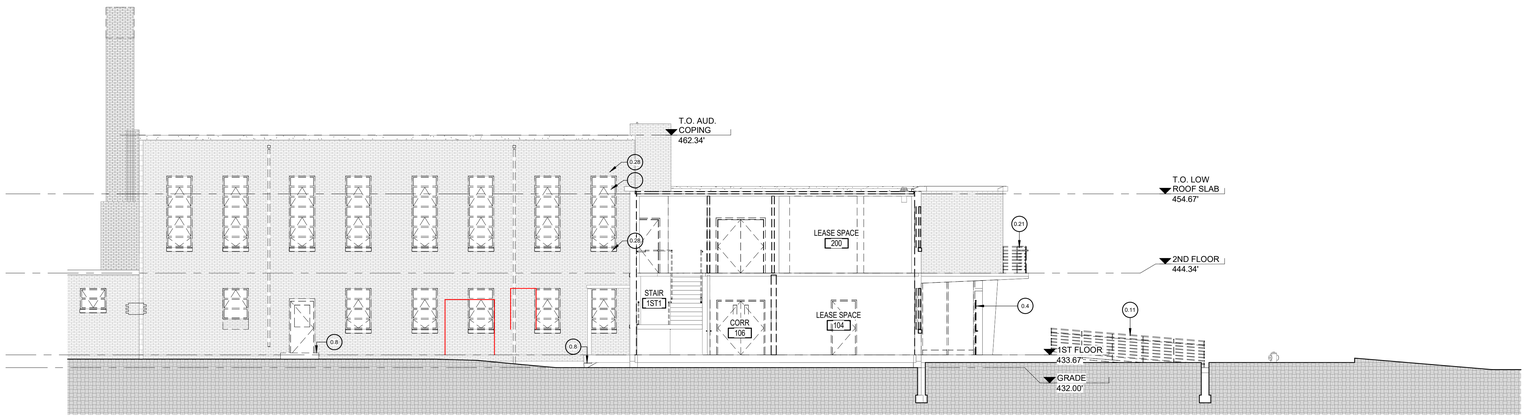
4 WEST WING EAST ELEVATION-DEMO
AD-111 SCALE: 1/8" = 1'-0"



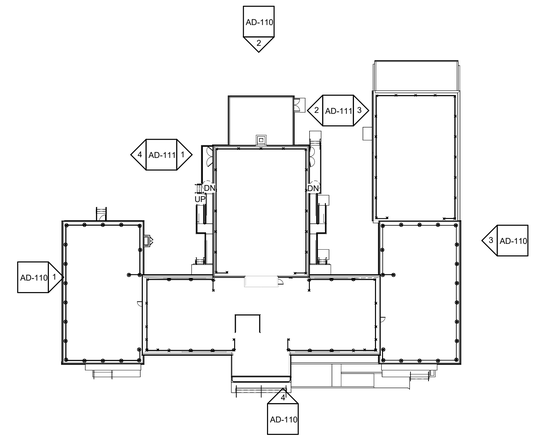
3 EXTERIOR ELEVATION - EAST WING WEST-DEMO
AD-111 SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION - CENTRAL WING EAST-DEMO
AD-111 SCALE: 1/8" = 1'-0"



1 EXTERIOR ELEVATION - CENTRAL WING WEST-DEMO
AD-111 SCALE: 1/8" = 1'-0"



KEYNOTES

Note	Description
0.4	REMOVE EXISTING STOREFRONT AND DOORS, PATCH AND REPAIR SURFACE TO RECEIVE NEW WORK. TYP.
0.6	REMOVE EXISTING EXTERIOR WINDOWS, PRE-CAST CONCRETE SPANDREL PANELS AND BACKER CMU, AND PRE-CAST SILL TYP.
0.8	DEMOLISH EXISTING CONCRETE STAIRS, PREP AREA FOR NEW CONC INFILL FOR NEW LANDING & RAMP AS INDICATED ON CONSTRUCTION PLAN.
0.9	REMOVE EXISTING GUARDRAILS & HANDRAILS TYP U.N.O.
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0.20	TEMPORARILY REMOVE EXTERIOR EQUIPMENT TO ALLOW FOR BRICK WORK, EQUIPMENT TO BE RE-INSTALLED AFTER EXTERIOR BRICK WORK IS COMPLETED, REFER TO MEP DRAWINGS.
0.21	REMOVE EXISTING WING WALLS AND CANOPY EXTENSION AROUND SIDE ENTRANCE. PATCH AND REPAIR CANOPY AFTER REMOVALS.
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0.24	REMOVE AND SALVAGE BRICKS AS REQUIRED FOR LINTEL REPAIRS/REPLACEMENTS, TYP. SEE FR DRAWINGS
0.28	TEMPORARILY REMOVE EXISTING BRICK UNITS AS NEEDED FOR NEW LINTEL REPLACEMENT, TYP.

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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXTERIOR DEMO ELEVATIONS

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DEMOLITION PLAN LEGEND

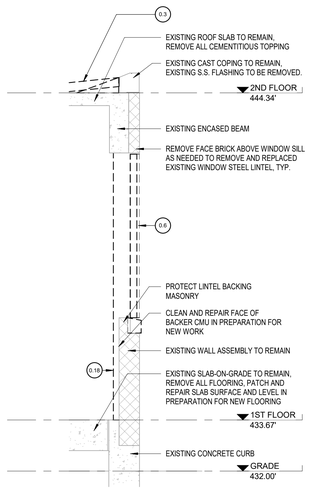
- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE REMOVED IN EXISTING WALL
- DEMOLITION KEYNOTE (0.3)
- NOT IN SCOPE

GENERAL DEMOLITION NOTES

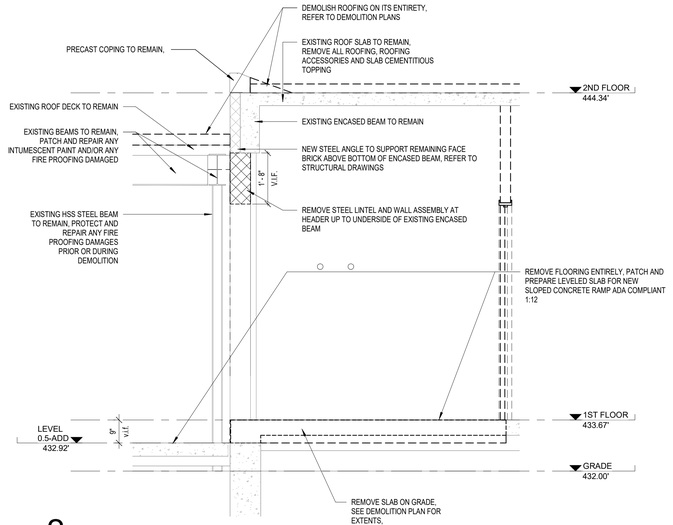
1. PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND COORDINATE AS REQUIRED TO COMPLETE ALL DEMOLITION SCOPE SHOWN IN THESE DOCUMENTS.
2. REMOVE OR REPAIR ANY ITEM NOT SPECIFICALLY IDENTIFIED, BUT REQUIRED TO BE REMOVED OR REPAIRED TO PREPARE FOR THE NEW WORK OR OTHERWISE PRODUCE A FINISHED PRODUCT AS INDICATED IN THE DOCUMENTS.
3. ITEMS TO BE REMOVED SHALL INCLUDE ALL ACCESSORIES (SUCH AS SWITCHES, THERMOSTATS, OUTLETS, MILLWORK, ETC.) IN ANY AREA WHERE ADJOINING PARTITIONS ARE SHOWN TO BE REMOVED. REVIEW ANY QUESTIONABLE ITEMS TO BE REMOVED WITH THE ARCHITECT BEFORE PROCEEDING.
4. DEMOLITION PLANS SHOW THE APPROXIMATE LAYOUT OF EXISTING PARTITIONS, DOORS, WINDOWS, ETC., AND ARE NOT INTENDED TO REPRESENT EXACT AS-BUILT CONDITIONS. ALL INFORMATION SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR. THE INTENT OF THE SELECTIVE DEMOLITION WORK IS TO REMOVE EXISTING FIT-OUT CONSTRUCTION ALLOWING ALL NEW CONSTRUCTION TO PROCEED. THE DEMOLITION DRAWINGS MAY NOT INDICATE ALL ITEMS TO BE REMOVED AND ARE TO BE USED AS A PART OF THE GENERAL CONTRACTORS ON SITE SURVEY TO DETERMINE THE COMPLETE SCOPE OF THE DEMOLITION WORK, AS INDICATED BY THE CONTRACT DOCUMENTS AND REQUIRED BY THE ON-SITE CONDITIONS.
5. COORDINATE ALL SHUTDOWNS AND/OR SERVICE INTERRUPTIONS WITH THE OWNER AND/OR AUTHORITIES HAVING JURISDICTION. NO SHUTDOWNS AND/OR SERVICE INTERRUPTIONS SHALL TAKE PLACE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. FAILURE TO COORDINATE PROPOSED SHUTDOWNS IN A TIMELY FASHION IS NOT CAUSE FOR A DELAY CLAIM.
6. DEMOLITION OPERATIONS SHALL TAKE PLACE ONLY WITHIN THE PARAMETERS OF THE APPROVED DEMOLITION SCHEDULE.
7. PROVIDE TEMPORARY UTILITIES, SAFETY DEVICES, FIRE PROTECTION IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT, BARRIERS, ETC., AS REQUIRED.
8. PATCH AND/OR REPAIR ANY ITEMS TO REMAIN THAT ARE DAMAGED BY REMOVAL OPERATIONS. REFINISH TO MATCH EXISTING ADJACENT FINISH, OR AS NOTED HEREIN. DOCUMENT ANY PRE-EXISTING DAMAGE AND NOTIFY THE ARCHITECT OF ANY DAMAGE PRIOR TO PRICING OR, AFTER AWARD, PRIOR TO PROCEEDING WITH ADJACENT WORK.
9. WHERE FINISHES ARE TO BE REMOVED, SUCH AS FLOORING, BASE, WALLCOVERING, ETC., UTILIZE A HIGH "STANDARD OF CARE" DURING REMOVAL TO MAINTAIN A SMOOTH AND LEVEL SUBSTRATE WHICH CAN BE PREPARED TO RECEIVE NEW FINISHES.
10. SCRAPE AND REMOVE ALL EXISTING IRREGULAR MATERIALS WHICH CAUSE RISES OR DEPRESSIONS IN THE FLOORING SURFACE, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.
11. TERMINATE AND REMOVE ALL PROJECT-RELEVANT POWER AND COMMUNICATION CONDUITS, DEVICES, RACEWAYS, ETC., BACK TO PANELS OR JUNCTIONS.
12. ALL DEVICES IN PARTITIONS SLATED TO BE REMOVED, SHALL ALSO BE REMOVED, BROUGHT BACK TO SOURCE OR RE-ROUTED / RELOCATED TO MAINTAIN FUNCTIONALITY IF REQUIRED.
13. ANY ITEMS NOT SPECIFICALLY IDENTIFIED, BUT REQUIRED TO BE REMOVED OR REPAIRED TO PREPARE FOR NEW WORK AS SHOWN IN THE CONTRACT DOCUMENTS, IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
14. REMOVE ALL MATERIALS IN A WORKMANLIKE MANNER AS APPROVED BY THE OWNER. OPENINGS, HOLES, ETC., SHALL BE NEATLY CUT, PLUMB, SQUARE, AND TRUE TO THE DIMENSIONS REQUIRED.
15. LEGALLY DISPOSE OF DEMOLISHED MATERIALS; RECYCLE MATERIALS AS REQUIRED BY SPECIFICATIONS.
16. PROTECT ITEMS OR MATERIALS INDICATED TO BE REUSED OR SALVAGED. COORDINATE WITH THE OWNER FOR DELIVERY OF SALVAGED ITEMS OR MATERIALS.
17. RESTORE ANY SURFACES OF FINISHES WHICH ARE SCRATCHED, MARRIED OR OTHERWISE DAMAGED BY THE INSTALLATION, MOVEMENT OR REMOVAL OF EQUIPMENT ASSOCIATED WITH DEMOLITION PROCEDURES (E.G. SCAFFOLDING, CONTAINERS, ETC.)
18. ALL LIFE SAFETY SYSTEMS SHALL REMAIN ACTIVE DURING DEMOLITION. THE SPACE SHALL BE MAINTAINED AND LEFT IN A SAFE CONDITION. ALL FLOOR OPENINGS, HAZARDS, AND UNSAFE CONDITIONS SHALL BE IDENTIFIED AND THE GENERAL CONTRACTOR SHALL PROVIDE PROPER NOTIFICATION AND OBSTACLES TO SECURE PUBLIC SAFETY.
19. PROTECT ALL ITEMS TO REMAIN THAT ARE EXPOSED TO SELECTIVE DEMOLITION. LOCATE DUST-PROOF TEMPORARY BARRIERS/PARTITIONS AS REQUIRED TO CONTROL WORK/OCCUPIED AREAS. ALL FIRE EGRESS AND LIFE SAFETY ROUTES FOR OCCUPIED AREAS ARE TO REMAIN ACCESSIBLE DURING ALL PHASES OF WORK.
20. SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE OWNER AND PROPER AUTHORITIES PRIOR TO IMPLEMENTING.
21. DEMOLITION WORK SHALL BE SCHEDULED AT ALL TIMES AND BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE OWNER AND IMPLEMENTED WITHOUT DISTRIBUTION TO OCCUPIED AREAS OF THE BUILDING SURROUNDING THE DEMOLITION ZONE.
22. FURNISH A SYSTEM OF TEMPORARY LIGHT AND POWER IN THE SPACE DURING DEMOLITION AND CONSTRUCTION.
23. DESIGN, PROVIDE, ERECT, AND MAINTAIN NECESSARY TEMPORARY SHORING, BRACING, FRAMING, OR SUPPORT WHERE LOAD BEARING STRUCTURAL OR SUPPORTING MEMBERS ARE WEAKENED BY CUT OR OPENINGS OR SUBJECT TO DAMAGE FROM DEMOLITION OPERATIONS AND OTHERWISE AS REQUIRED FOR SAFETY OR TO PROTECT FINISH SURFACES FROM DAMAGE.
24. IN ACCORDANCE WITH OWNER PROVIDED ASBESTOS ABATEMENT REPORT, ABATE ASBESTOS WITHIN THE AREAS OF DEMOLITION AND CONSTRUCTION DEFINED BY THESE DOCUMENTS.
25. ALL MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS OF LOCAL CITY, TOWNSHIP, COUNTY, AND STATE REQUIREMENTS.
26. LEVEL AND PREPARE CONCRETE FLOOR SLABS AS REQUIRED TO RECEIVE SPECIFIED NEW FLOOR FINISH. FILL AND FIRESTOP ALL OPENINGS IN FLOORS, CEILINGS AND OTHER RATED ASSEMBLIES TO MAINTAIN RATING INTEGRITY.
27. THE GENERAL CONTRACTOR SHALL IDENTIFY EQUIPMENT AND MATERIALS TO BE RELOCATED AND COORDINATE THEIR METHODS OF REMOVAL, SAFE STORAGE, INVENTORY, ETC. PRIOR TO START OF DEMOLITION WORK.
28. DO NOT CUT OR REMOVE CONSTRUCTION WHICH MIGHT WEAKEN OR IMPAIR THE STRUCTURAL INTEGRITY OR STRENGTH OF THE STRUCTURAL FRAMING OR SUPPORT SYSTEMS WHICH ARE TO REMAIN.
29. THE BUILDING AND SITE SHALL BE LEFT BROOM CLEAN & DRY AT THE END OF EACH DAY AND AT THE COMPLETION OF ALL DEMOLITION WORK.

KEYNOTES

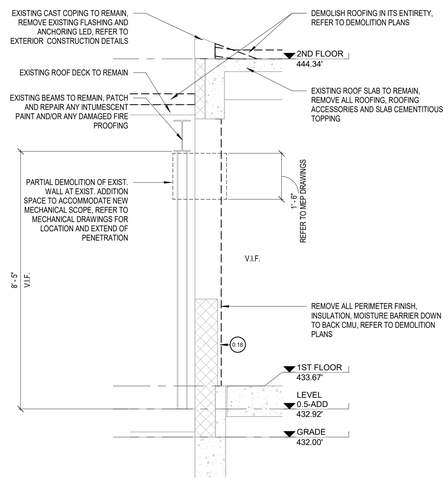
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0.6	REMOVE EXISTING EXTERIOR WINDOWS, PRE-CAST CONCRETE SPANDREL PANELS AND BACKER CMU, AND PRE-CAST SILL TYP.
0.18	DEMOLISH ALL INTERIOR FINISH, INSULATION AND FRAMING DOWN TO BACKER CMU, TYPICAL AT ALL PERIMETER WALL.



3 DEMOLITION AT WINDOW PRE-CAST PANEL, TYP.
AD-130 SCALE: 1/2" = 1'-0"



2 CONECTION CORRIDOR AT EXIST., EAST WING
AD-130 SCALE: 1/2" = 1'-0"



1 PENETRATION EAST WING @ ADDITION
AD-130 SCALE: 1/2" = 1'-0"

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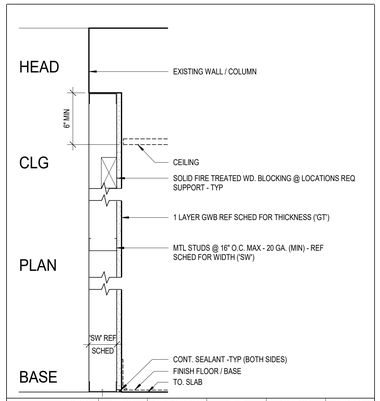
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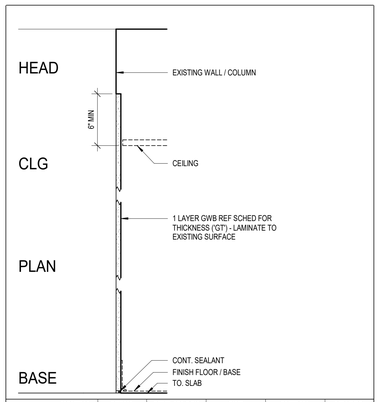
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DEMOLITION SECTION DETAILS

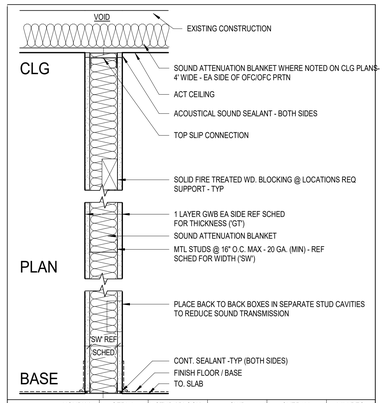
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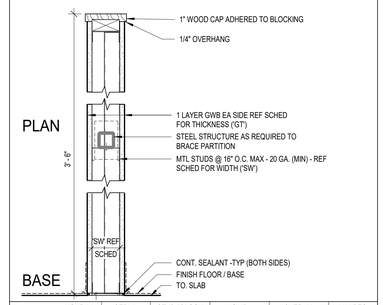
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E	0	10	-	-	-	-
		11	-	-	-	-
		12	1 5/8"	5/8"	2 1/4"	-
		13	2 1/2"	5/8"	3 1/8"	-
		14	3 5/8"	5/8"	4 1/4"	-
		15	-	-	-	-
UL DESIGN N/A		16	-	-	-	-
		17	-	-	-	-



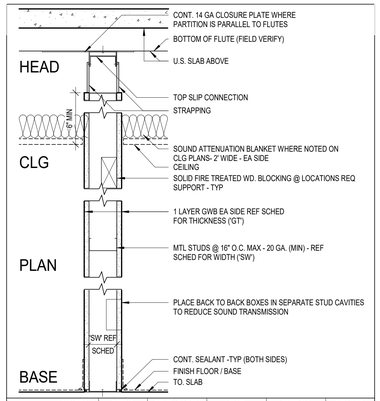
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
E	0	00	-	-	-	-
		01	-	3/8"	3/8"	-
		02	-	1/2"	1/2"	-
		03	-	5/8"	5/8"	-
		04	-	-	-	-
		05	-	-	-	-
UL DESIGN N/A		06	-	-	-	-
		07	-	-	-	-



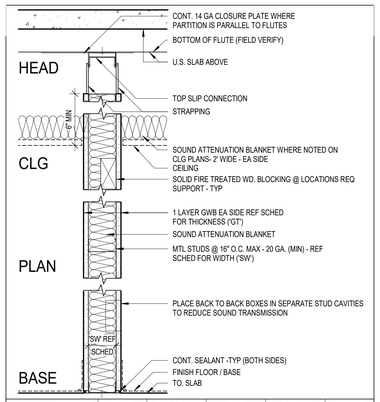
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
D	0	00	-	-	-	-
		01	-	-	-	-
		02	1 5/8"	5/8"	2 7/8"	-
		03	2 1/2"	5/8"	3 3/4"	-
		04	3 5/8"	5/8"	4 7/8"	-
		05	6"	5/8"	7 1/4"	-
UL DESIGN N/A		06	8"	5/8"	9 1/4"	-
		07	10"	5/8"	11 1/4"	-



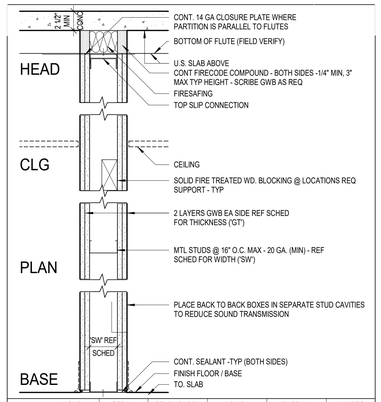
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
C	0	00	-	-	-	-
		01	-	-	-	-
		02	-	-	-	-
		03	-	-	-	-
		04	3 5/8"	5/8"	4 7/8"	-
		05	6"	5/8"	7 1/4"	-
UL DESIGN N/A		06	-	-	-	-
		07	-	-	-	-



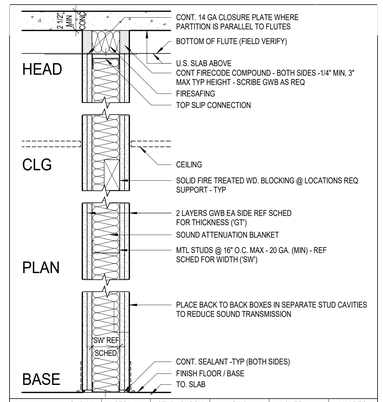
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
B	0	10	-	-	-	-
		11	-	-	-	-
		12	1 5/8"	5/8"	2 7/8"	-
		13	2 1/2"	5/8"	3 3/4"	-
		14	3 5/8"	5/8"	4 7/8"	TBD
		15	6"	5/8"	7 1/4"	TBD
UL DESIGN N/A		16	-	-	-	-
		17	-	-	-	-



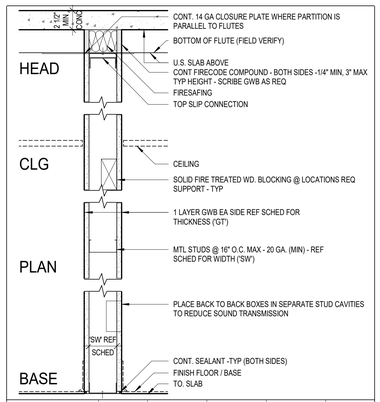
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
B	0	10	-	-	-	-
		01	-	-	-	-
		02	1 5/8"	5/8"	2 7/8"	-
		03	2 1/2"	5/8"	3 3/4"	-
		04	3 5/8"	5/8"	4 7/8"	TBD
		05	-	-	-	-
UL DESIGN N/A		06	-	-	-	-
		07	-	-	-	-



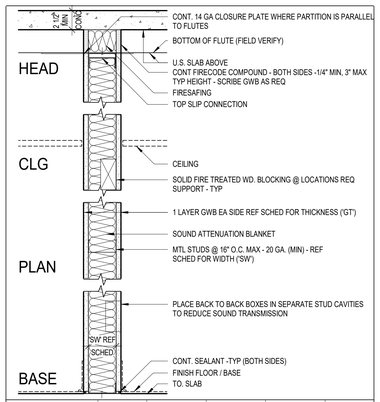
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
A	2	10	-	-	-	-
		11	-	-	-	-
		12	-	-	-	-
		13	2 1/2"	5/8"	5"	-
		14	3 5/8"	5/8"	6 1/8"	50
		15	-	-	-	-
UL DESIGN U419 - 2 HR		16	-	-	-	-
		17	-	-	-	-



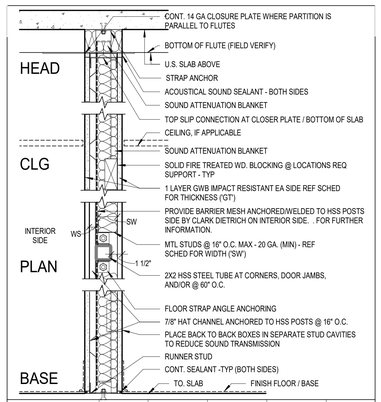
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
A	2	00	-	-	-	-
		01	-	-	-	-
		02	-	-	-	-
		03	2 1/2"	5/8"	5"	51
		04	3 5/8"	5/8"	6 1/8"	56
		05	6"	5/8"	-	-
UL DESIGN U419 - 2 HR		06	-	-	-	-
		07	-	-	-	-



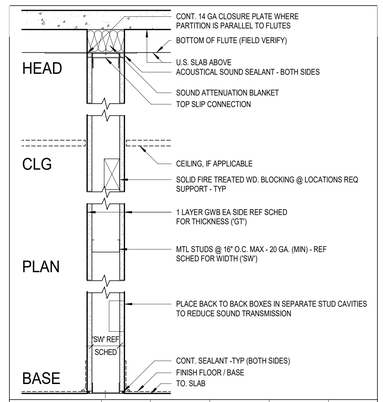
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
A	1	10	-	-	-	-
		11	-	-	-	-
		12	-	-	-	-
		13	2 1/2"	5/8"	3 3/4"	-
		14	3 5/8"	5/8"	4 7/8"	43
		15	6"	5/8"	7 1/4"	43
UL DESIGN U419 - 1 HR		16	-	-	-	-
		17	-	-	-	-



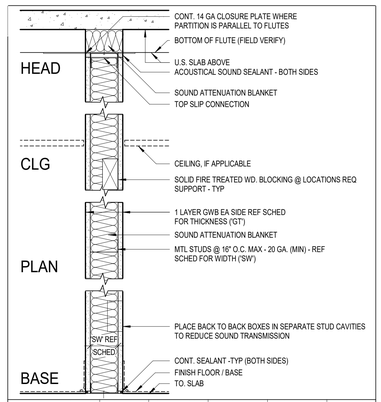
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
A	1	00	-	-	-	-
		01	-	-	-	-
		02	-	-	-	-
		03	2 1/2"	5/8"	3 3/4"	46
		04	3 5/8"	5/8"	4 7/8"	46
		05	6"	5/8"	7 1/4"	44
UL DESIGN U419 - 1 HR		06	-	-	-	-
		07	-	-	-	-



TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
A	0	20	-	-	-	-
		21	-	-	-	-
		22	-	-	-	-
		23				
		24	2 1/2" - 7/8"(HAT)	5/8"	4 7/8"	50
		25				
UL DESIGN U419- 0 HR		26				
		27	-	-	-	-



TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
A	0	10	-	-	-	-
		11	-	-	-	-
		12	1 5/8"	5/8"	2 7/8"	-
		13	2 1/2"	5/8"	3 3/4"	-
		14	3 5/8"	5/8"	4 7/8"	43
		15	6"	5/8"	7 1/4"	43
UL DESIGN U419- 0 HR		16	-	-	-	-
		17	-	-	-	-



TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
A	0	00	-	-	-	-
		01	-	-	-	-
		02	1 5/8"	5/8"	2 7/8"	-
		03	2 1/2"	5/8"	3 3/4"	47
		04	3 5/8"	5/8"	4 7/8"	50
		05	6"	5/8"	7 1/4"	50
UL DESIGN U419- 0 HR		06				
		07	-	-	-	-

TYPES
A = FULL HEIGHT GWB, TO U.S. OF SLAB ABOVE
B = CEILING HEIGHT GWB, TO 6" ABOVE CEILING
C = PARTIAL HEIGHT GWB, LOW PARTITION
D = CEILING HEIGHT GWB, TO UNDERSIDE OF CEILING
E = FURRING, 1 SIDE GWB (PARTIAL HEIGHT)
F = CHASE, 1 SIDE GWB (FULL HEIGHT)
G = STOREFRONT, INTERIOR
M = MASONRY, INTERIOR
P = PROJECT SPECIFIC TYPES*
S = SHAFT WALLS, GWB
U = UNKNOWN / EXISTING PARTITIONS*
X = EXTERIOR WALLS - FOR BROWSER GROUPING*
Z = SHIELDED
** NON-STANDARD*

FIRE / SMOKE RATINGS
0 = NOT RATED
1 = 1 HOUR FIRE RATED
2 = 2 HOUR FIRE RATED
3 = 3 HOUR FIRE RATED
4 = 4 HOUR FIRE RATED
S = SMOKE

PARTITION NOTES
1. NOT ALL TYPES SHOWN ARE USED IN THE PROJECT.
2. PROVIDE METAL STUDS OF GAUGE NECESSARY TO LIMIT DEFLECTION TO MAXIMUM OF L/240, L/360 IN PARTITIONS WITH CERAMIC/PORCELAIN TILE FINISH. IF STUD HEIGHT EXCEEDS THAT LISTED IN A.S.T.M. C-754, TABLE 3, PROVIDE CROSS BRACING AND/OR REDUCE STUD SPACING AS REQ. PROVIDE DOUBLE (BACK-TO- BACK) STUDS AT ALL DOOR/WINDOW JAMBS.
3. PROVIDE SLIP JOINT CONNECTION AT TOP OF WALL. CONNECTION TO HAVE CONT MTL CHANNEL RUNNER, DO NOT FASTEN TO STUDS, ANCHOR TO STRUCTURE & PROVIDE BRACING TO PREVENT RACKING.
4. IN ADDITION TO THE SPECS, REF U.L. DESIGNS FOR ADDITIONAL REQ - NOT ALL REQ ARE SHOWN. DISCREPANCIES BETWEEN U.L. DESIGNS AND DESIGN / SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING.
5. FOR FIRE & SMOKE RATED PARTITIONS, SEAL ALL PENETRATIONS WITH UL / FM APPROVED MATERIALS. REF MEP DOCS FOR SMOKE OR FIRE SMOKE DAMPERS. REFER TO DOCUMENTS FOR ACTUAL FIRESAFING / FIRE-SEALANT REQ. GENERIC SYSTEM SHOWN.
6. CONSTRUCT FIRE RATED PARTITIONS HAVING RECESSED ITEMS: ELECTRICAL PANELS, FIRE EXTINGUISHER CABINETS, ACCESSORIES, EQUIPMENT, UTILITIES, ETC LOCATED AS REQUIRED TO MAINTAIN FIRE RATING & INTEGRITY.
7. PROVIDE KITCHEN METAL OR FRT WOOD SUPPORTS IN ALL PARTITIONS HAVING WALL-MOUNTED EQUIPMENT, CABINETRY, BUMPER GUARDS, CRASH RAILS, ACCESSORIES, GRAB BARS, ETC. SUPPORTS SHALL SUPPORT 500 LBF LIVE LOAD MIN.
8. PROVIDE WATER & MOLD RESISTANT GWB AT ALL LOCATIONS WITH PLUMBING FIXTURES. PROVIDE CEMENTITIOUS BACKER BOARD AT ALL CERAMIC / PORCELAIN TILE LOCATIONS.
9. PROVIDE CONTROL JOINTS AS REQUIRED
10. MINIMUM STC PERFORMANCE REQ IS NOTED. REFER TO MANUF DESIGNS FOR CONST REQ TO MEET ACOUSTICAL PERFORMANCE.
11. FOR PENETRATIONS IN RATED ASSEMBLIES VISIBLE TO VIEW TO HAVE ALL FIRE RATED PENETRATION SEALANTS AND FIRE STOPPING SYSTEMS TO BE TOOLED. TOOL SEALANT TO FORM SMOOTH UNIFORM BEADS SEALANT. USE MASKING TAPE AS REQUIRED TO STRIKE STRAIGHT LINES AND PREVENT EXCESS SEALANT FROM ADJACENT SURFACES OF JOINTS

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IN CHARGE OF WAN LEUNG
CHECKED BY GORHAM HOM
MADE BY ERIC KLINGLER

Revision	Date	Description

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION
☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

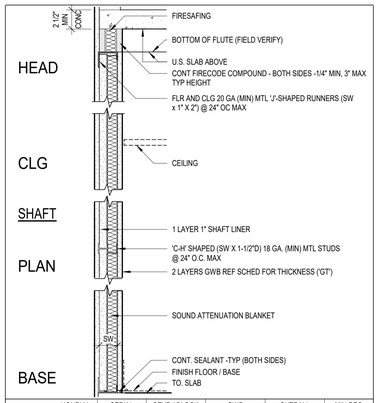
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SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

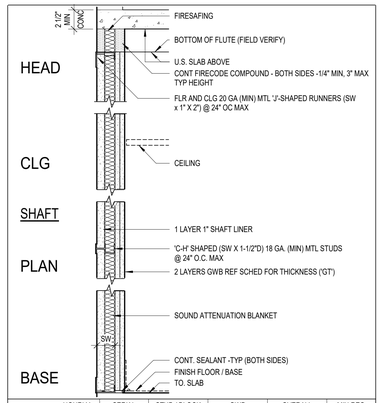
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PARTITION TYPES

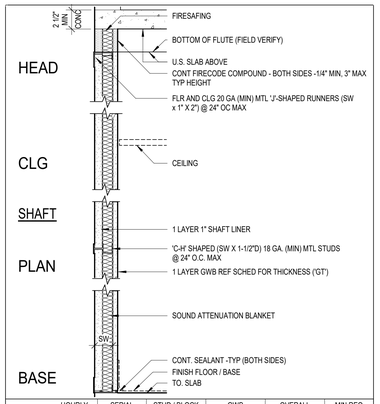
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SHEET NUMBER A-020
SHEET 43 of 162
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DATE: 09/02/2026
DPW FILE NO. 48-08-A-416-0
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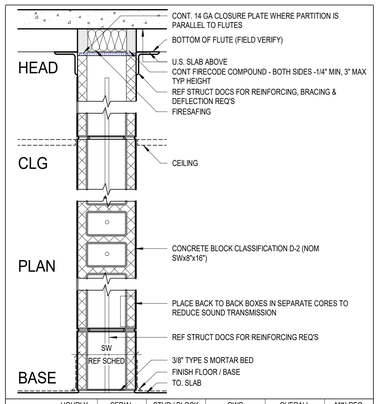
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
S	2	10	-	-	-	-
		11	-	-	-	-
		12	-	-	-	-
		13	2 1/2"	5/8"	3 3/4"	-
		14	4"	5/8"	5 1/4"	44
		15	-	-	-	-
UL DESIGN U415-E - 2 HR		16	-	-	-	-
		17	-	-	-	-



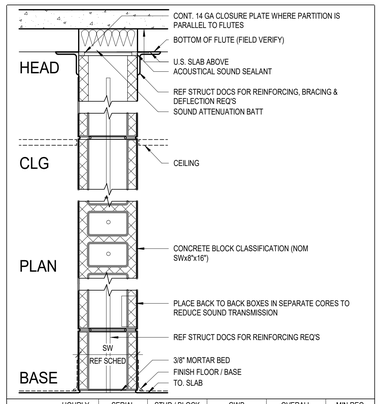
TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
S	2	00	-	-	-	-
		01	-	-	-	-
		02	-	-	-	-
		03	2 1/2"	5/8"	3 3/4"	48
		04	4"	5/8"	5 1/4"	50
		05	-	-	-	-
UL DESIGN U415-B - 2 HR		06	-	-	-	-
		07	-	-	-	-



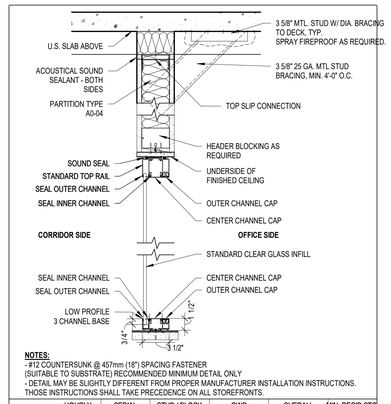
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S	1	00	-	-	-	-
		01	-	-	-	-
		02	-	-	-	-
		03	2 1/2"	5/8"	3 1/8"	-
		04	4"	5/8"	4 5/8"	39
		05	-	-	-	-
UL DESIGN U415-A - 1 HR		06	-	-	-	-
		07	-	-	-	-



TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
M	2	00	-	-	-	-
		01	-	-	-	-
		02	5 5/8"	-	5 5/8"	44
		03	7 5/8"	-	7 5/8"	45
		04	-	-	-	-
		05	-	-	-	-
UL DESIGN U906 - 2 HR		06	-	-	-	-
		07	-	-	-	-

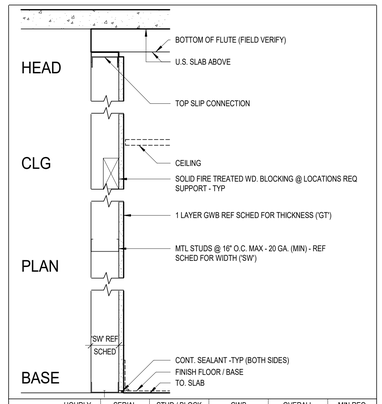


TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
M	0	00	-	-	-	-
		01	3 5/8"	-	3 5/8"	44
		02	-	-	-	-
		03	-	-	-	-
		04	-	-	-	-
		05	-	-	-	-
UL DESIGN N/A		06	-	-	-	-
		07	-	-	-	-

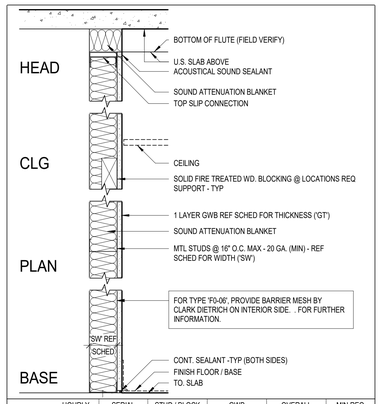


NOTES:
- #12 COUNTERSUNK @ 457mm (18") SPACING FASTENER (SUITABLE TO SUBSTRATE) RECOMMENDED MINIMUM DETAIL ONLY
- DETAIL MAY BE SLIGHTLY DIFFERENT FROM PROPER MANUFACTURER INSTALLATION INSTRUCTIONS. THOSE INSTRUCTIONS SHALL TAKE PRECEDENCE ON ALL STOREFRONTS.

TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN. REQ'D STC
G	0	00	-	-	-	-
		01	-	-	-	-
		02	-	-	-	-
		03	-	-	-	
		04	-	-	3 1/2"	
		05	-	-	-	
UL DESIGN N/A		06	-	-	-	
		07	-	-	-	



TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
F	0	10	-	-	-	-
		11	-	-	-	-
		12	1 5/8"	5/8"	2 1/4"	-
		13	2 1/2"	5/8"	3 1/8"	-
		14	3 5/8"	5/8"	4 1/4"	-
		15	-	-	-	-
UL DESIGN N/A		16	-	-	-	-
		17	-	-	-	-



TYPE	HOURLY RATING	SERIAL NUMBER	STUD / BLOCK WIDTH (SW)	GWB THK (GT)	OVERALL WIDTH (OW)	MIN REQ STC
F	0	00	-	-	-	-
		01	-	-	-	-
		02	1 5/8"	5/8"	2 1/4"	-
		03	2 1/2"	5/8"	3 1/8"	-
		04	3 5/8"	5/8"	4 1/4"	-
		05	-	-	-	-
UL DESIGN N/A		06	3 5/8"	5/8"	4 1/4"	-
		07	-	-	-	-

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Revision	Date	Description

ISSUED FOR BID
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RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

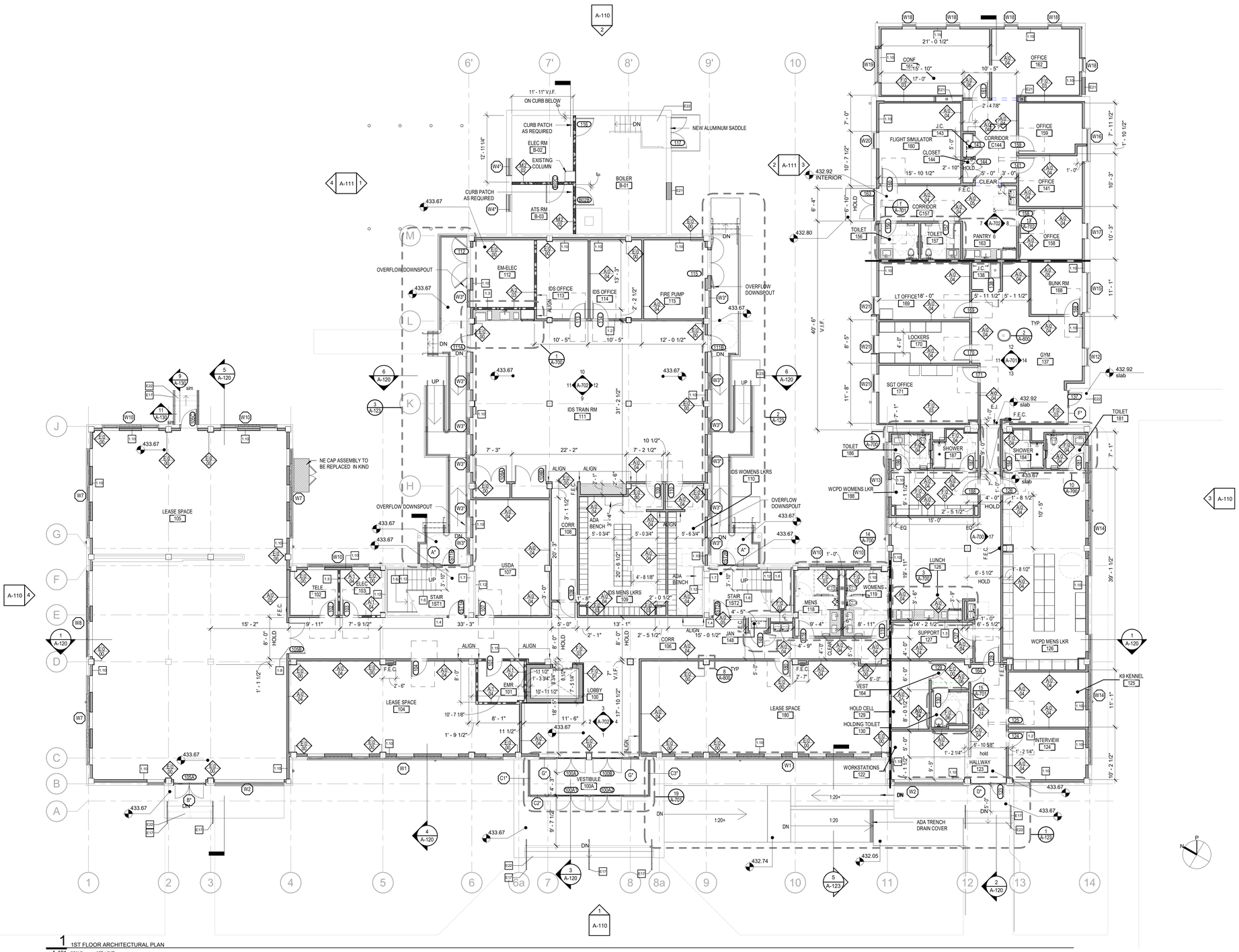
PROJECT COORDINATOR
NAME:
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PARTITION TYPES - CONT.

CONTRACT NUMBER: 25-532
SHEET NUMBER: A-021
SHEET 44 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-417-0
REV NO.: 0



1 1ST FLOOR ARCHITECTURAL PLAN
A-101 SCALE: 1/8" = 1'-0"

ARCHITECTURAL PLAN LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING DOOR & EXISTING PARTITION
- NEW DOOR & NEW PARTITION
- A01 / A04 — PARTITION TYPE DESIGNATION. SEE DRAWING SYMBOLS FOR DETAILS.
- NEW 45 MIN. DOOR & NEW 1HR. RATED PARTITION
- NEW 90 MIN. DOOR & NEW 2HR. RATED PARTITION
- TENANT SEPARATION
- ABOVE, BELOW, BEYOND
- 2100 — NEW DOOR
- DOOR NUMBER DESIGNATION. SEE DOOR SCHEDULE FOR DETAILS.
- NEW MILLWORK- REFER TO ELEVATION DRAWINGS
- NOT IN SCOPE
- X — PLAN KEYNOTE
- W17 — WINDOW/STOREFRONT ASSEMBLY TAG, REFER TO A-901 *GL-2 **GL-3

GENERAL NOTES

1. VERIFY ALL FIELD DIMENSIONS. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS IN THE LOCATION(S) OF NEW CONSTRUCTION. UPON COMPLETION OF PARTITION LAYOUT, NOTIFY THE ARCHITECT FOR VERIFICATION OF THE LAYOUT PRIOR TO PARTITION INSTALLATION.
2. INSTALL ALL PARTITIONS TO CONFORM TO MANUFACTURERS INSTRUCTIONS, ANCHORED FIRMLY TO SLAB AND TIGHTLY SECURED TO DECK ABOVE. ALL DEMISING AND PARTITION WALLS TO BE SEALED AGAINST WINDOW MULLIONS, EXISTING WALLS, ETC. WHERE A PARTITION WALL TERMINATES AGAINST A WINDOW, CONTRACTOR TO SUPPLY ALUMINUM END CAP WITH NEOPRENE GASKET TO ENSURE TIGHT, BUT FLEXIBLE SEAL.TAPE AND SPACKLE ALL GWB WHERE EXPOSED OR REQUIRED BY CODE. USE METAL CORNER BEADS AND METAL "J" BEADS ON EXPOSED EDGES.
3. DIMENSIONS MARKED ± MEAN A TOLERANCE NOT GREATER NOR SMALLER THAN 1/4 INCHES FROM INDICATED DIMENSION, U.O.N. VERIFY FIELD DIMENSIONS EXCEEDING TOLERANCE WITH THE ARCHITECT.
4. SET FINISH DOOR OPENINGS AT 6" FROM ADJACENT PERPENDICULAR PARTITION UNLESS OTHERWISE NOTED. DIMENSIONS LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB.
5. MAINTAIN REQUIRED ACOUSTICAL RATING OR FIRE RATING WHERSVER PARTITIONS PENETRATING FINISHED CEILING ARE PIERCED BY CONDUIT, DUCTS, PIPES, CABLE TRAYS, STEEL OR SIMILAR SERVICES. DEMISING WALL OR SLAB PENETRATIONS ARE TO HAVE FIRE DAMPERS AND PACKED WITH FIREPROOF SAFING.
6. REAPPLY FIRE PROOFING TO MAINTAIN FIRE RATING WHEREVER NEW CONSTRUCTION IS ANCHORED FIRMLY AND DIRECTLY TO EXISTING FIRE RATED CONSTRUCTION. PROVIDE FIREPROOFING MATERIAL TO NEW CONSTRUCTION AS REQUIRED BY APPLICABLE CODES.
7. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FINISH FACE OF PARTITION, CENTERLINE OF COLUMN OR CENTERLINE OF WINDOW MULLION.
8. NO MECHANICAL FASTENERS TO PUNCTURE OR MAR PERIMETER WINDOW FRAMES OR MULLIONS PROVIDE ACOUSTICAL SEALER BETWEEN EXISTING PERIMETER WINDOW MULLION/COLUMN.
9. PROVIDE CONCEALED BLOCKING IN ALL PARTITIONS INCLUDING, BUT NOT LIMITED TO, OPEN AND CLOSED SHELVING, COAT RODS AND SHELVES, AUDIO-VISUAL EQUIPMENT, CABINETRY, COUNTERS, DOOR FRAMES AND HEADER.
10. EXISTING FLOOR SLAB SHALL BE ADDITIONALLY PATCHED, REPAIRED REFINISHED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISH MATERIALS.
11. PROVIDE ELECTRICAL SERVICE JUNCTION BOXES, CONTINUOUS CONDUIT RUNS AND ADDITIONAL BLOCKING AS REQUIRED TO ACCOMMODATE ELECTRICALLY CONTROLLED SECURITY ACCESS SYSTEMS. MODIFY AND PREPARE SCHEDULED DOOR, FRAME AND HARDWARE TO COORDINATE WITH SECURITY REQUIREMENTS.
12. ALL EXISTING SURFACES TO REMAIN SHALL BE PATCHED, SANDED SMOOTH, SKIM COATED AS REQUIRED AND PREPARED TO RECEIVE NEW FINISHES. NEW CONSTRUCTION SHOWN ALIGNED WITH EXISTING CONSTRUCTION SHALL BE INSTALLED FLUSH AND SMOOTH.
13. PATCH OR PROVIDE NEW FIREPROOFING/ FIRE STOPPING AT ALL EXISTING AND NEW SHAFT WALL, FLOOR SLAB, AND EXTERIOR WALL PENETRATIONS INCLUDING, BUT NOT LIMITED TO DUCTWORK, PIPEWAYS, AND CONDUIT RUNS.
14. USE TYPE "X" GWB ON FIRE RATED PARTITIONS. WHERE SCHEDULED PARTITION TYPE IS TO RECEIVE CERAMIC TILE, OR IS TO BE LOCATED IN A WET AREA, OMIT GWB AND PROVIDE GREEN-BOARD TYPE PRODUCT.
15. EXISTING MATERIAL OR ITEMS SCHEDULED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION, SHALL BE REPAIRED, PATCHED AND REFINISHED TO THE NEAREST INTERSECTION, RESTORING SURFACE TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
16. ALL GLASS SHALL BE CLEAR TEMPERED GLASS, U.O.N. GLAZING TONG MARKS SHALL NOT BE VISIBLE. CLEAN AND POLISH ALL GLASS PRIOR TO PROJECT DELIVERY & AFTER INSTALLATION.
17. TRIM THE BOTTOMS OF DOORS TO CLEAR THE TOP OF FINISHED FLOOR, AS APPLICABLE, BY 1/4" INCH MAXIMUM, UNLESS OTHERWISE NOTED. VERIFY SLAB CONDITIONS. TRIM EACH DOOR TO FIT CONDITION. WHERE RADICAL VARIATIONS IN FLOOR ELEVATION EXIST, DOORS SHALL BE ORDERED WITH BOTTOM STILE SIZED TO ACCOMMODATE THESE UNDERCUT CONDITIONS.
18. CEILING HEIGHT PARTITIONS SHALL BE INSTALLED TIGHT TO FINISHED CEILING, WITH NO JOINTS VARYING MORE THAN 1/8" OVER 8'-0" AND NO JOINTS GREATER THAN 3/16", U.O.N.
19. INSTALL ALL NEW WORK TO COMPLY WITH ALL NEW APPLICABLE CODES.
20. IN AREAS WHERE CORE DRILLING OR SAW CUTTING IS REQUIRED FOR PLUMBING OR STRUCTURAL SUPPORT, PATCH THE CONCRETE SLAB WITH MATERIAL TO MATCH EXISTING BUILDING STANDARD.
21. EXISTING MATERIAL OR ITEMS SCHEDULED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION SHALL BE REPAIRED, PATCHED AND REFINISHED TO THE NEAREST INTERSECTION, RESTORING SURFACE TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
22. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE, UNLESS OTHERWISE NOTED.
23. ALL OPENING ON ROOF SLAB LEFT AFTER DEMOLITION EI DUCTS, MECHANICAL EQUIPMENT AND/ OR OTHER SLAB PENETRATIONS SHALL BE FILLED ON NEW WORK FLUSH TO EXISTING TO REMAIN ROOF SLAB U.O.N., PREPARE SURFACE FOR NRE ROOFING WORK, REFER TO STRUCTURAL DRAWINGS FOR SLAB FILLING DETAILS
24. ALL TWO SIDED PARTITIONS TO BE TYPE A0/04 U.O.N.; ALL ONE SIDED PARTITIONS TO BE TYPE F0/04 U.O.N..

KEYNOTES

Note	Description
1.2	ALL AREAS WHERE MILLWORK, WHITEBOARDS OR AV EQUIPMENT IS NOTED, NEW PARTITIONS SHALL RECEIVE FIRE RETARDANT WOOD BLOCKING; EXISTING STUDS RECEIVE PLYWOOD BACKER. TYPICAL. COORDINATE WITH AV/IT/ENGINEERING DRAWINGS
1.3	GC TO COORDINATE AND PROVIDE ALL POWER AND WATERLINE REQUIREMENTS FOR SCHEDULED PLUMBING FIXTURES AND APPLIANCES AS PER MANUFACTURER'S INSTRUCTIONS
1.4	GC TO PATCH AND REPAIR ALL EXISTING WALLS AS REQUIRED AND PREPARE EXISTING WALL FOR NEW FINISHES. EXISTING RATINGS TO BE MAINTAINED THROUGHOUT CONSTRUCTION. TYPICAL
1.5	FIRE RATED PLYWOOD, FULL HEIGHT ON INDICATED WALL. REFER TO TECH DWGS FOR FURTHER INFO.
1.6	NEW CODE COMPLIANT GUARDRAIL & HANDRAIL AT INTERNAL STAIRCASES.
1.7	NEW COMBINED STANDPIPE RISER LOCATED IN FIRE STAIR.
1.8	REVIEW WITH END USER IF NEW DOUBLE DOORS ARE NEEDED HERE.
1.10	NEW FURRING PARTITION AT INTERIOR FACE OF EXISTING EXTERIOR WALL. 3" SPRAY-ON CLOSE CELL (R=19 OR GREATER) APPLIED ON FACE OF CMU TO OVERLAP WITH FURRING STUDS. INSTALL STUDS 1.5" AWAY FROM CMU FACE. TYPICAL THROUGHOUT. REFER TO EXTERIOR WALL DETAILS FOR WATER BARRIER LOCATION. ALL EXISTING OUTLETS TO BE RE-INSTALLED OR RETROFIT AS PER MEP DRAWINGS. TYP.
1.12	REPAIR DAMAGES AND APPLY FINISH AS PER SCHEDULE TO EXISTING PARTITION TO REMAIN.
1.15	IN-FILL SLAB AS INDICATED FOR THE NEW RE-SIZED ELEVATOR SHAFT. COORDINATE WITH ELEVATOR CONSULTANT. REFER TO STRUCTURAL DRAWINGS.
E17	NEW GUARDRAILS & HANDRAILS. REFER TO LIGHTING DRAWINGS AND SPECIFICATION SECTION FOR LED INTEGRATED LIGHT RAILING ON FRONT FACADE RAILINGS. SEE DETAILS.
E21	INFILL OPENING AFTER DEMOLITION, MORTAR AND BRICK AS SCHEDULED. TYP.
E22	EXISTING EXTERIOR CONCRETE STEPS AND LANDING TO BE PATCHED AND REPAIRED.
E23	EXISTING GRADE TO BE MODIFIED TO MEET RAMP LANDING

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Revision	Date	Description

ISSUED FOR BID — DATE: 09/02/2026

RECORD DRAWING CERTIFICATION
☐ AS BUILT - CHANGES AS NOTED
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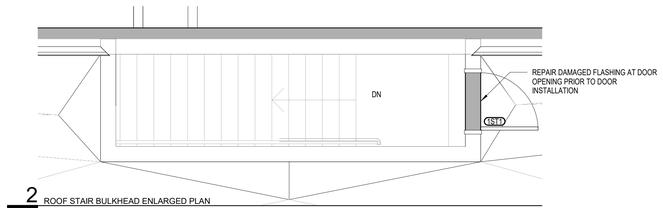
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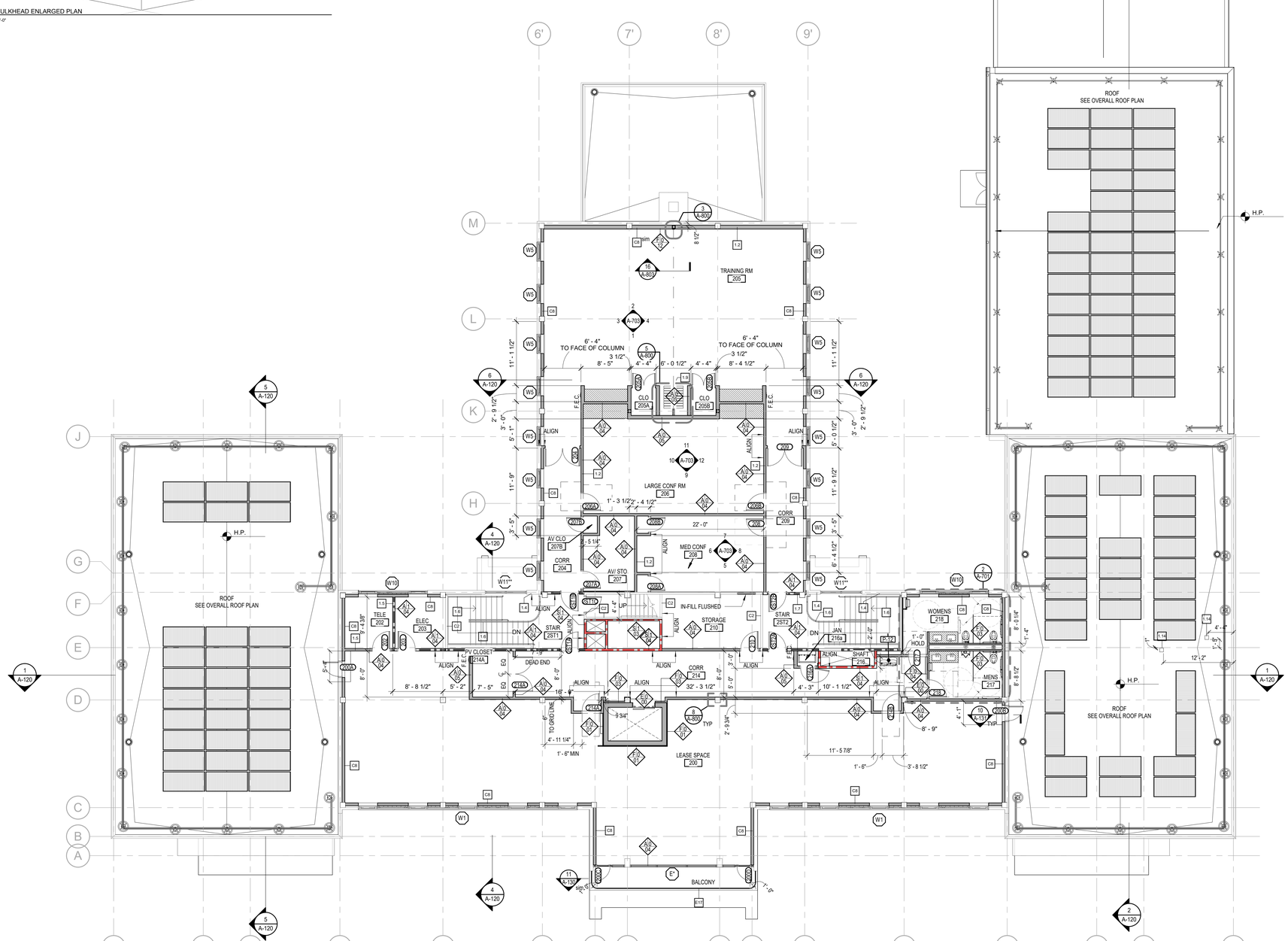
1ST FLOOR - ARCHITECTURAL PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: A-101
SHEET 45 of 162
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2 ROOF STAIR BULKHEAD ENLARGED PLAN
A-102 SCALE: 3/8" = 1'-0"



1 2ND FLOOR ARCHITECTURAL PLAN
A-102 SCALE: 1/8" = 1'-0"

ARCHITECTURAL PLAN LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING DOOR & EXISTING PARTITION
- NEW DOOR & NEW PARTITION
- PARTITION TYPE DESIGNATION. SEE DRAWING SYMBOLS FOR DETAILS.
- NEW 45 MIN. DOOR & NEW 1HR. RATED PARTITION
- NEW 90 MIN. DOOR & NEW 2HR. RATED PARTITION
- TENANT SEPARATION
- ABOVE, BELOW, BEYOND
- NEW DOOR
- DOOR NUMBER DESIGNATION. SEE DOOR SCHEDULE FOR DETAILS.
- NEW MILLWORK- REFER TO ELEVATION DRAWINGS
- NOT IN SCOPE
- PLAN KEYNOTE
- WINDOW/STOREFRONT ASSEMBLY TAG, REFER TO A-901 *GL-2 **GL-3

GENERAL NOTES

1. VERIFY ALL FIELD DIMENSIONS. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS IN THE LOCATION(S) OF NEW CONSTRUCTION. UPON COMPLETION OF PARTITION LAYOUT, NOTIFY THE ARCHITECT FOR VERIFICATION OF THE LAYOUT PRIOR TO PARTITION INSTALLATION.
2. INSTALL ALL PARTITIONS TO CONFORM TO MANUFACTURERS INSTRUCTIONS, ANCHORED FIRMLY TO SLAB AND TIGHTLY SECURED TO DECK ABOVE. ALL DEMISING AND PARTITION WALLS TO BE SEALED AGAINST WINDOW MULLIONS, EXISTING WALLS, ETC. WHERE A PARTITION WALL TERMINATES AGAINST A WINDOW, CONTRACTOR TO SUPPLY ALUMINUM END CAP WITH NEOPRENE GASKET TO ENSURE TIGHT, BUT FLEXIBLE SEAL TAPE AND SPACKLE ALL GWB WHERE EXPOSED OR REQUIRED BY CODE. USE METAL CORNER BEADS AND METAL "J" BEADS ON EXPOSED EDGES.
3. DIMENSIONS MARKED ± MEAN A TOLERANCE NOT GREATER NOR SMALLER THAN 1/4 INCHES FROM INDICATED DIMENSION, U.O.N. VERIFY FIELD DIMENSIONS EXCEEDING TOLERANCE WITH THE ARCHITECT.
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24. ALL TWO SIDED PARTITIONS TO BE TYPE A0/04 U.O.N.; ALL ONE SIDED PARTITIONS TO BE TYPE F0/04 U.O.N..

KEYNOTES

Note	Description
1.2	ALL AREAS WHERE MILLWORK, WHITEBOARDS OR AV EQUIPMENT IS NOTED, NEW PARTITIONS SHALL RECEIVE FIRE RETARDANT WOOD BLOCKING; EXISTING STUDS RECEIVE PLYWOOD BACKER, TYPICAL. COORDINATE WITH AV/IT/ENGINEERING DRAWINGS
1.4	GC TO PATCH AND REPAIR ALL EXISTING WALLS AS REQUIRED AND PREPARE EXISTING WALL FOR NEW FINISHES. EXISTING RATINGS TO BE MAINTAINED THROUGHOUT CONSTRUCTION. TYPICAL
1.5	FIRE RATED PLYWOOD, FULL HEIGHT ON INDICATED WALL. REFER TO TECH DWGS FOR FURTHER INFO.
1.6	NEW CODE COMPLIANT GUARDRAIL & HANDRAIL AT INTERNAL STAIRCASES.
1.7	NEW COMBINED STANDPIPE RISER LOCATED IN FIRE STAIR.
1.9	LOCATION OF PASSAGE DOOR IN SCHEDULED OPERABLE PARTITION.
1.14	INFILL EXISTING OPENING TO FLUSH WITH EXISTING SLAB.
C2	EXISTING CONSTRUCTION TO REMAIN. VERIFY LOCATION, SIZE, AND FIRE/SMOKE RATINGS AS REQUIRED. REFER TO LIFE SAFETY PLAN FOR REQUIRED PARTITION FIRE/SMOKE RATINGS.
C8	NEW FURRING PARTITION AT INTERIOR FACE OF EXISTING EXTERIOR WALL THROUGHOUT. REFER TO DETAILS 2/A6/A-130; ALL EXISTING OUTLETS TO BE RE-INSTALLED OR RETROFIT AS PER MEP DRAWINGS TYP.
E17	NEW GUARDRAILS & HANDRAILS, REFER TO LIGHTING DRAWINGS AND SPECIFICATION SECTION FOR LED INTEGRATED LIGHT RAILING ON FRONT FACADE RAILINGS, SEE DETAILS.

ROOF PLAN LEGEND

- WALKING PAD
- PHOTO VOLTAIC PANEL - BY OTHERS
- MOVABLE FOOTING SAFETY RAIL

ROOFING NOTES

1. PROVIDE ROOF ASSEMBLY WITH CONTINUOUS U ≤ 0.030
2. PROVIDE MINIMUM R-33 CONTINUOUS INSULATION ABOVE ROOF DECK.
3. PROVIDE TAPERED INSULATION SYSTEM TO ACHIEVE REQUIRED FINISHED SLOPE TO DRAINS. MINIMUM INSULATION THICKNESS SHALL MAINTAIN REQUIRED R-VALUE AT LOW POINTS.
4. ROOF SURFACE SHALL BE SLOPED 1/4" PER FOOT MINIMUM TO PRIMARY DRAINS.
5. ROOF ASSEMBLY SHALL COMPLY WITH WIND UPLIFT REQUIREMENTS.
6. ROOF ASSEMBLY SHALL BE PART OF CONTINUOUS AIR BARRIER SYSTEM.
7. SEE PLUMBING DRAWING FOR ROOF DRAIN REQUIREMENTS.

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Revision	Date	Description

ISSUED FOR BID — DATE: 09/02/2026

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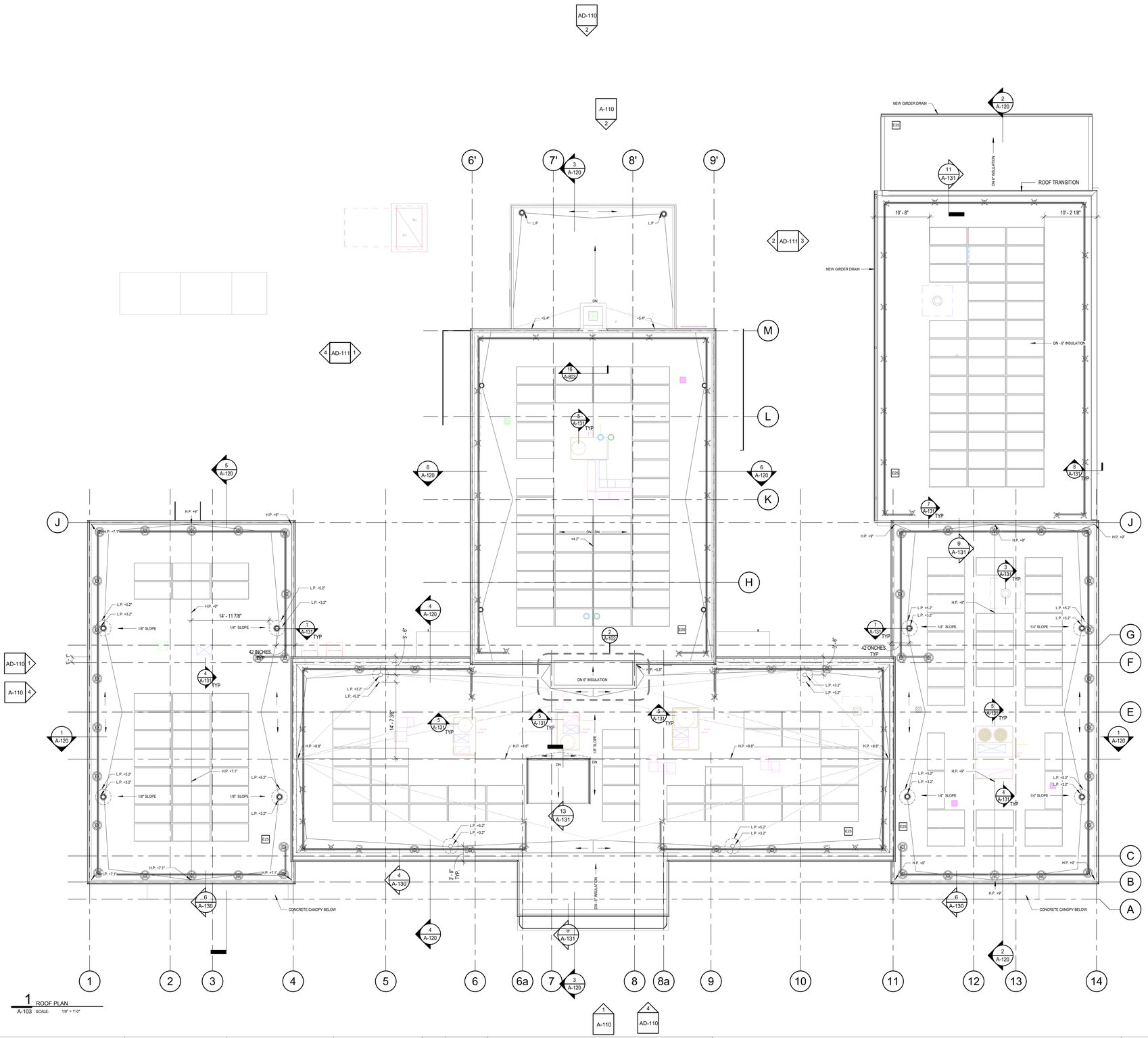
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2ND FLOOR - ARCHITECTURAL PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: A-102
SHEET 46 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-419-0
REV NO.: 0

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1 ROOF PLAN
A-103 SCALE: 1/8" = 1'-0"

ARCHITECTURAL PLAN LEGEND

- EXISTING PARTITION TO REMAIN
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- NEW DOOR & NEW PARTITION
- A2 / 04 — PARTITION TYPE DESIGNATION. SEE DRAWING SYMBOLS FOR DETAILS.
- NEW 45 MIN. DOOR & NEW 1HR. RATED PARTITION
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- TENANT SEPARATION
- ABOVE, BELOW, BEYOND
- 2600 — NEW DOOR
- DOOR NUMBER DESIGNATION. SEE DOOR SCHEDULE FOR DETAILS.
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ROOF PLAN LEGEND

- WALKING PAD
- PHOTO VOLTAIC PANEL - BY OTHERS
- MOVABLE FOOTING SAFETY RAIL

ROOFING NOTES

1. PROVIDE ROOF ASSEMBLY WITH CONTINUOUS U ≤ 0.030
2. PROVIDE MINIMUM R-33 CONTINUOUS INSULATION ABOVE ROOF DECK.
3. PROVIDE TAPERED INSULATION SYSTEM TO ACHIEVE REQUIRED FINISHED SLOPE TO DRAINS. MINIMUM INSULATION THICKNESS SHALL MAINTAIN REQUIRED R-VALUE AT LOW POINTS.
4. ROOF SURFACE SHALL BE SLOPED 1/4" PER FOOT MINIMUM TO PRIMARY DRAINS.
5. ROOF ASSEMBLY SHALL COMPLY WITH WIND UPLIFT REQUIREMENTS.
6. ROOF ASSEMBLY SHALL BE PART OF CONTINUOUS AIR BARRIER SYSTEM.
7. SEE PLUMBING DRAWING FOR ROOF DRAIN REQUIREMENTS.

GENERAL NOTES

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KEYNOTES

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E25	TYPICAL: NEW EXTERIOR INSULATION AT WALLS TO MEET R13, AT ROOFS TO MEET R33

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Revision	Date	Description

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RECORD DRAWING CERTIFICATION
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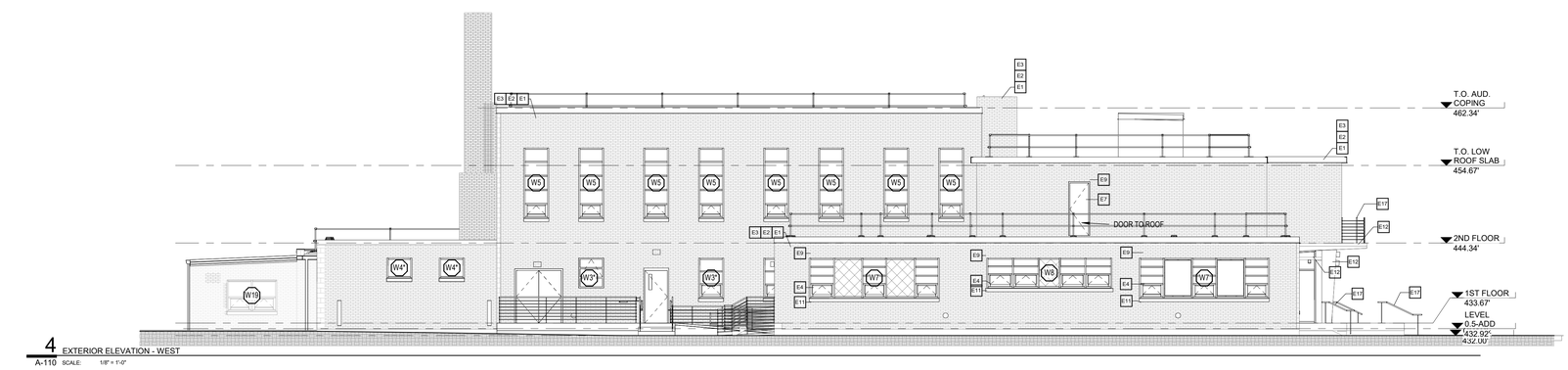
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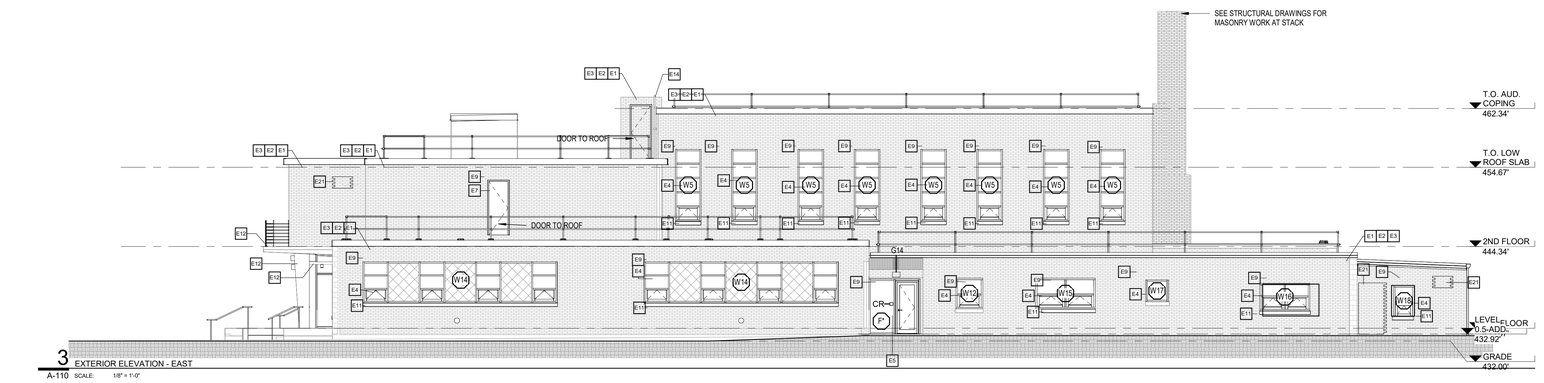
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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ROOF - ARCHITECTURAL PLAN

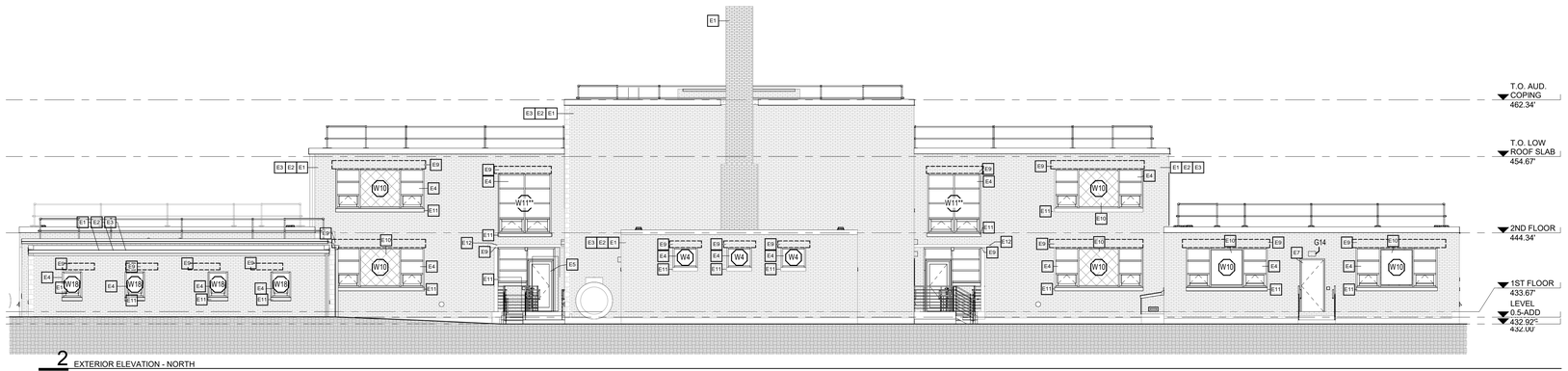
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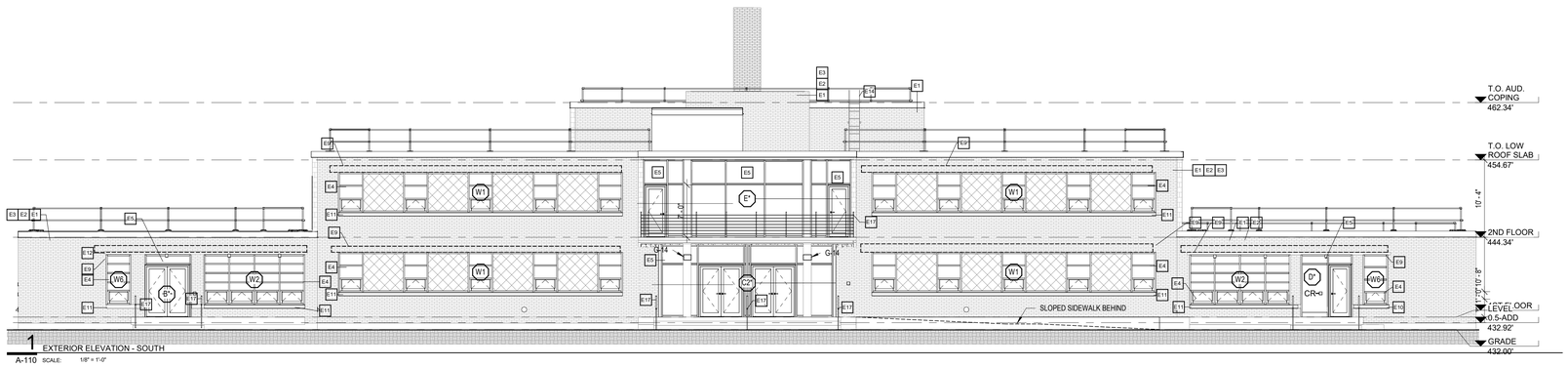
4 EXTERIOR ELEVATION - WEST
A-110 SCALE: 1/8" = 1'-0"



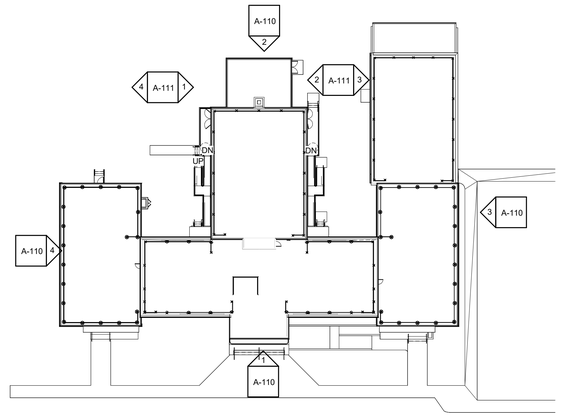
3 EXTERIOR ELEVATION - EAST
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KEYNOTES

Note	Description
E1	TYPICAL: SEE STRUCTURAL DRAWINGS FOR RE-POINTING ALL BRICKWORK.
E2	TYPICAL: PROVIDE 2 COATS POTASSIUM SILICATE PAINT AT ALL BRICK, MORTAR AND CONCRETE FACES AFTER REPOINTING BUT PRIOR TO WINDOW/DOOR INSTALLATION. CLEAN MASONRY PRIOR TO PAINTING AS REQUIRED BY PAINT MANUFACTURER.
E3	TYPICAL: SEE STRUCTURAL DRAWINGS FOR NEW HELICAL BRICK TIE INSTALLED FROM EXTERIOR FACE AT EXISTING MORTAR JOINTS PRIOR TO REPOINTING WORK.
E4	WINDOWS: YKK TOW350XT SERIES, REFER TO SPECIFICATIONS - ALL FRAMES TO HAVE THERMAL BREAK, TYP.
E5	STOREFRONTS AND ENTRY DOORS: YKK YES 45XT SYSTEM, REFER TO SPECIFICATIONS. ALL FRAMES TO HAVE THERMAL BREAK, TYP.
E7	ALL EXISTING EXTERIOR SOLID WOOD PANEL DOORS TO BE REPLACED WITH HM DOORS AND FRAMES, TYP.
E9	TYPICAL: SEE STRUCTURAL DRAWINGS FOR REMOVAL OF EXISTING BRICKS & STEEL LINTELS, INSTALL NEW STEEL LINTELS AND RE-INSTALL BRICKS AND MORTAR TO MATCH ADJACENT AREAS
E10	AREA OF EXCAVATION FOR DUCT BANK, SEE E DWGS. PROVIDE SHORING AT ADJACENT STRUCTURES, FOOTINGS
E11	TYPICAL: SEE STRUCTURAL DRAWINGS FOR REPAIR OR REMOVAL AND REPLACEMENT OF PRE-CAST CONCRETE SILLS.
E12	SEE STRUCTURAL DRAWINGS FOR REPAIRS AND PATCHING OF EXISTING CONCRETE CANOPIES, SLABS, COLUMNS, BALCONY, ROOF COPINGS.
E14	EXISTING STEEL LADDER TO BE MECHANICALLY CLEANED, RUST TREATED AND PAINTED.
E17	NEW GUARDRAILS & HANDRAILS, REFER TO LIGHTING DRAWINGS AND SPECIFICATION SECTION FOR LED INTEGRATED LIGHT RAILING ON FRONT FACADE RAILINGS, SEE DETAILS.
E21	INFILL OPENING AFTER DEMOLITION, MORTAR AND BRICK AS SCHEDULED. TYP.

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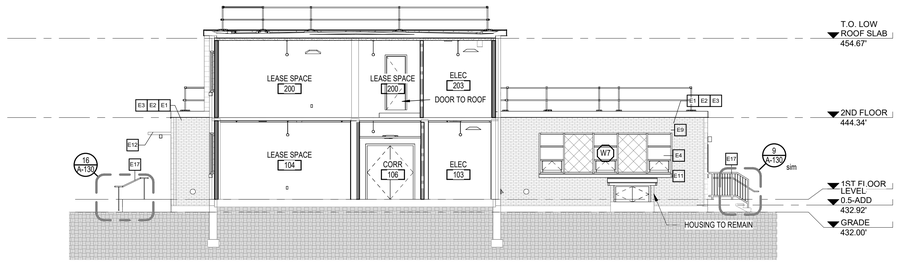
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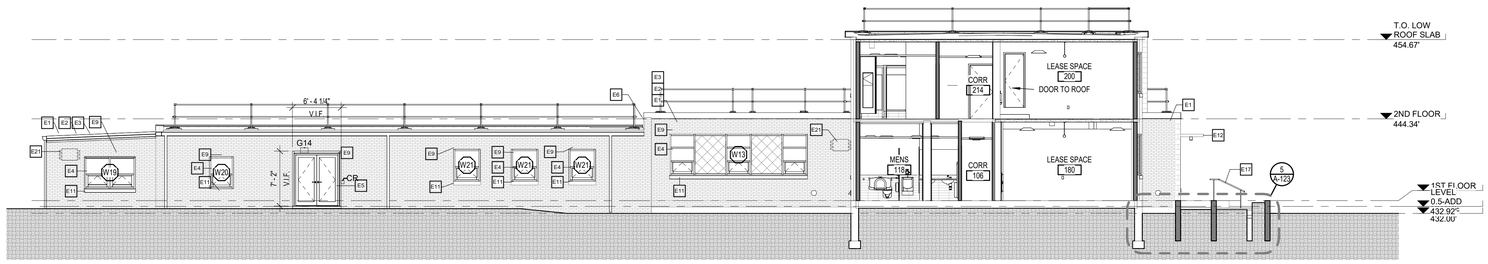
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EXTERIOR ELEVATIONS

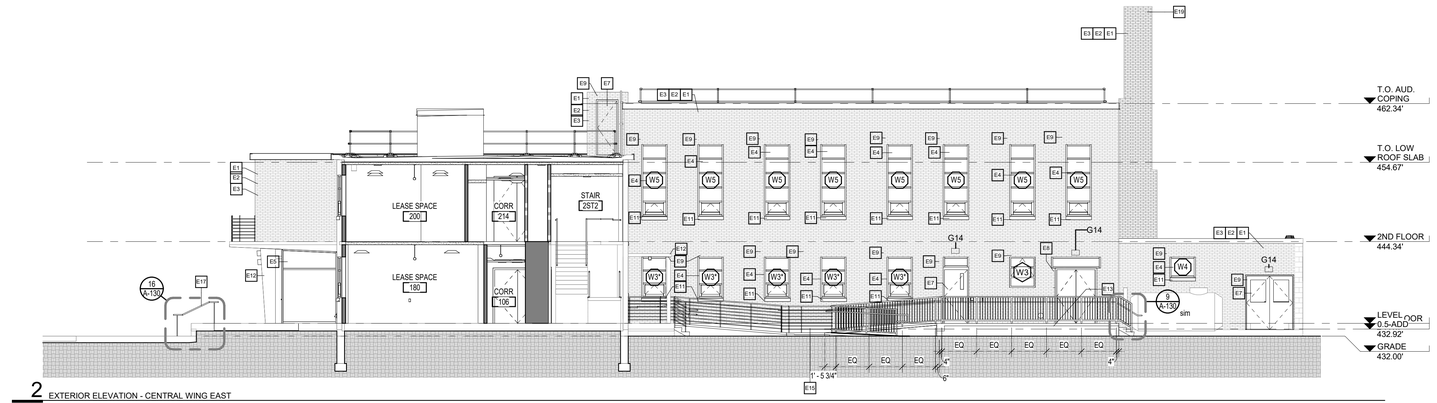
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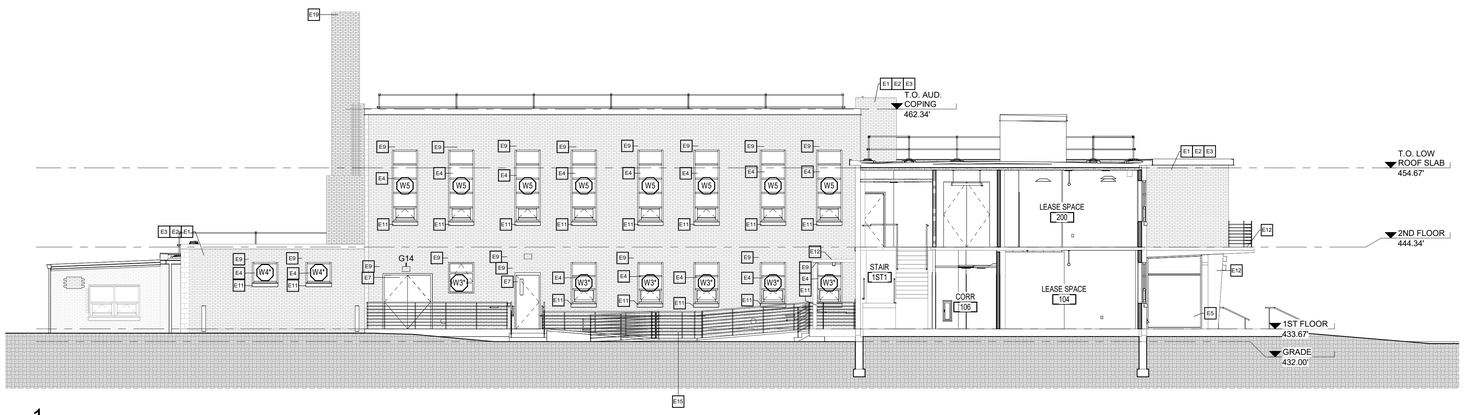
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A-111 SCALE: 1/8" = 1'-0"



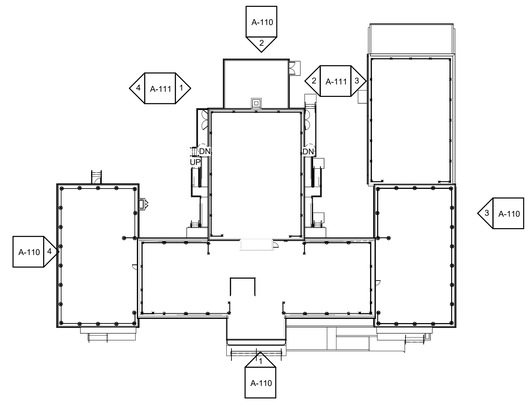
3 EXTERIOR ELEVATION - EAST WING WEST
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2 EXTERIOR ELEVATION - CENTRAL WING EAST
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1 EXTERIOR ELEVATION - CENTRAL WING WEST
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17. TRIM THE BOTTOMS OF DOORS TO CLEAR THE TOP OF FINISHED FLOOR, AS APPLICABLE, BY 1/4" INCH MAXIMUM, UNLESS OTHERWISE NOTED. VERIFY SLAB CONDITIONS. TRIM EACH DOOR TO FIT CONDITION. WHERE RADICAL VARIATIONS IN FLOOR ELEVATION EXIST, DOORS SHALL BE ORDERED WITH BOTTOM STILE SIZED TO ACCOMMODATE THESE UNDERCUT CONDITIONS.
18. CEILING HEIGHT PARTITIONS SHALL BE INSTALLED TIGHT TO FINISHED CEILING, WITH NO JOINTS VARYING MORE THAN 1/8" OVER 6'-0" AND NO JOINTS GREATER THAN 3/16", U.O.N.
19. INSTALL ALL NEW WORK TO COMPLY WITH ALL APPLICABLE CODES.
20. IN AREAS WHERE CORE DRILLING OR SAW CUTTING IS REQUIRED FOR PLUMBING OR STRUCTURAL SUPPORT, PATCH THE CONCRETE SLAB WITH MATERIAL TO MATCH EXISTING BUILDING STANDARD.
21. EXISTING MATERIAL OR ITEMS SCHEDULED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION SHALL BE REPAIRED, PATCHED AND REFINISHED TO THE NEAREST INTERSECTION, RESTORING SURFACE TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
22. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE, UNLESS OTHERWISE NOTED.
23. ALL OPENING ON ROOF SLAB LEFT AFTER DEMOLITION EI DUCTS, MECHANICAL EQUIPMENT AND/ OR OTHER SLAB PENETRATIONS SHALL BE FILLED ON NEW WORK FLUSH TO EXISTING TO REMAIN ROOF SLAB U.O.N., PREPARE SURFACE FOR NRE ROOFING WORK, REFER TO STRUCTURAL DRAWINGS FOR SLAB FILLING DETAILS
24. ALL TWO SIDED PARTITIONS TO BE TYPE A0/04 U.O.N.; ALL ONE SIDED PARTITIONS TO BE TYPE F/04 U.O.N. .

KEYNOTES

Note	Description
E1	TYPICAL: SEE STRUCTURAL DRAWINGS FOR RE-POINTING ALL BRICKWORK.
E2	TYPICAL: PROVIDE 2 COATS POTASSIUM SILICATE PAINT AT ALL BRICK, MORTAR AND CONCRETE FACES AFTER REPOINTING BUT PRIOR TO WINDOW/DOOR INSTALLATION. CLEAN MASONRY PRIOR TO PAINTING AS REQUIRED BY PAINT MANUFACTURER.
E3	TYPICAL: SEE STRUCTURAL DRAWINGS FOR NEW HELICAL BRICK TIE INSTALLED FROM EXTERIOR FACE AT EXISTING MORTAR JOINTS PRIOR TO REPOINTING WORK.
E4	WINDOWS: YKK TOW350XT SERIES, REFER TO SPECIFICATIONS - ALL FRAMES TO HAVE THERMAL BREAK. TYP.
E5	STOREFRONTS AND ENTRY DOORS: YKK YES 45XT SYSTEM, REFER TO SPECIFICATIONS. ALL FRAMES TO HAVE THERMAL BREAK. TYP.
E6	REPLACE EXISTING ROOF EXPANSION JOINT
E7	ALL EXISTING EXTERIOR SOLID WOOD PANEL DOORS TO BE REPLACED WITH HM DOORS AND FRAMES. TYP.
E8	EXTERIOR DOORS TO BE HM DOORS AND FRAMES.
E9	TYPICAL: SEE STRUCTURAL DRAWINGS FOR REMOVAL OF EXISTING BRICKS & STEEL LINTELS, INSTALL NEW STEEL LINTELS AND RE-INSTALL BRICKS AND MORTAR TO MATCH ADJACENT AREAS.
E11	TYPICAL: SEE STRUCTURAL DRAWINGS FOR REPAIR OR REMOVAL AND REPLACEMENT OF PRE-CAST CONCRETE SILLS.
E12	SEE STRUCTURAL DRAWINGS FOR REPAIRS AND PATCHING OF EXISTING CONCRETE CANOPIES, SLABS, COLUMNS, BALCONY, ROOF COPINGS.
E13	EXTERIOR CONCRETE RAMP WITH GUARDRAILS & HANDRAILS AS INDICATED.
E15	PROVIDE PARGING AT EXISTING BRICK BELOW FIRST FLOOR LEVEL BETWEEN NEW RAMPS.
E17	NEW GUARDRAILS & HANDRAILS. REFER TO LIGHTING DRAWINGS AND SPECIFICATION SECTION FOR LED INTEGRATED LIGHT RAILING ON FRONT FACADE RAILINGS. SEE DETAILS.
E19	SEE MECHANICAL & STRUCTURAL DRAWINGS FOR EXTENT OF SMOKE STACK REMOVAL.
E21	INFILL OPENING AFTER DEMOLITION, MORTAR AND BRICK AS SCHEDULED. TYP.

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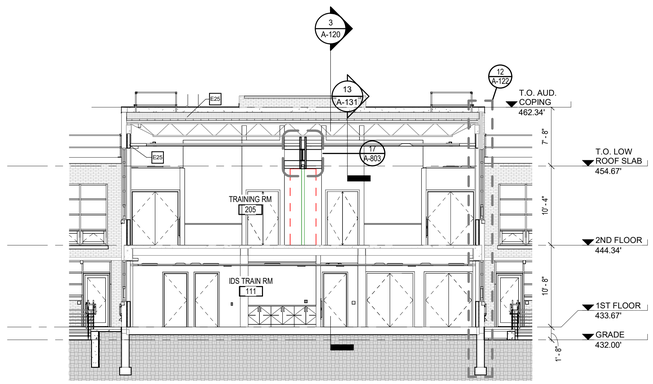
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXTERIOR ELEVATIONS

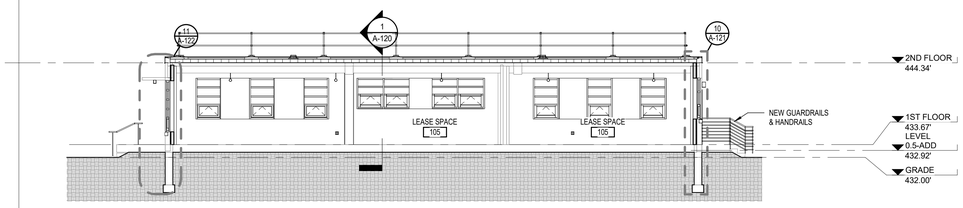
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SHEET NUMBER: A-111
SHEET 49 of 162
SCALE: AS SHOWN
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DPW FILE NO.: 48-08-A-422-0
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KEYNOTES

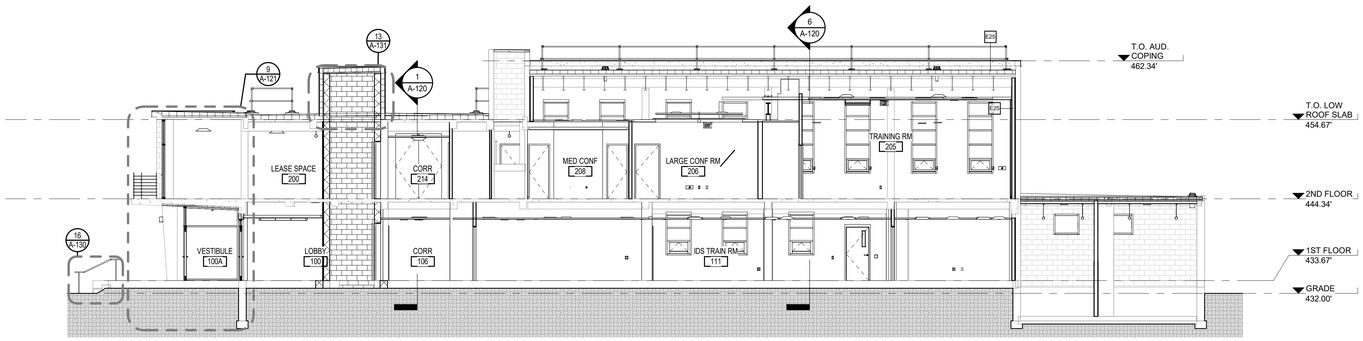
Note	Description
E25	TYPICAL: NEW EXTERIOR INSULATION AT WALLS TO MEET R13, AT ROOFS TO MEET R33



6 BUILDING SECTION F-F
A-120 SCALE: 1/8" = 1'-0"



5 BUILDING SECTION E-E
A-120 SCALE: 1/8" = 1'-0"



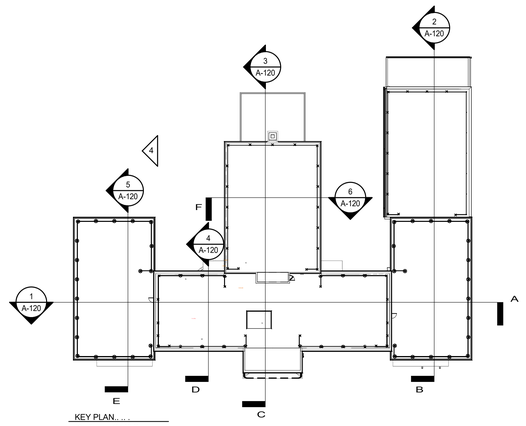
3 BUILDING SECTION C-C
A-120 SCALE: 1/8" = 1'-0"

4 BUILDING SECTION D-D
A-120 SCALE: 1/8" = 1'-0"

2 BUILDING SECTION B-B
A-120 SCALE: 1/8" = 1'-0"



1 BUILDING SECTION A-A
A-120 SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: 1" = 30'-0"

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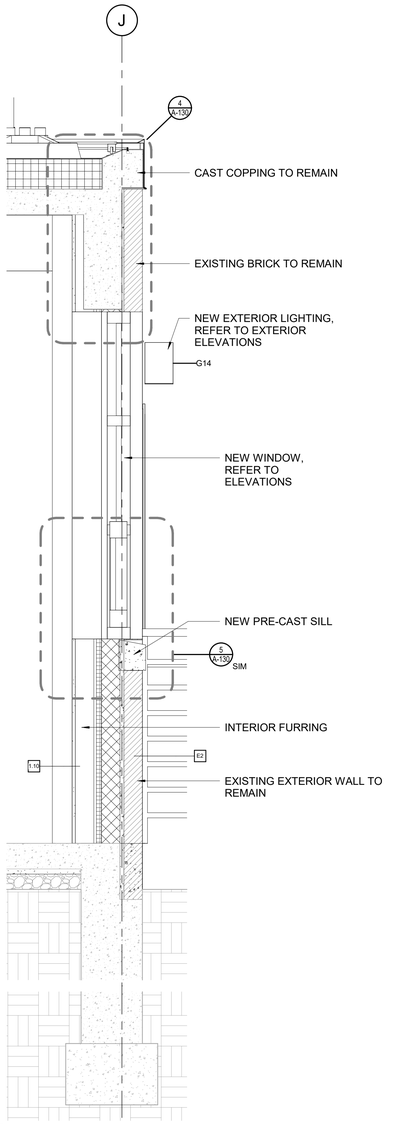
BUILDING 1 REHABILITATION
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BUILDING SECTIONS

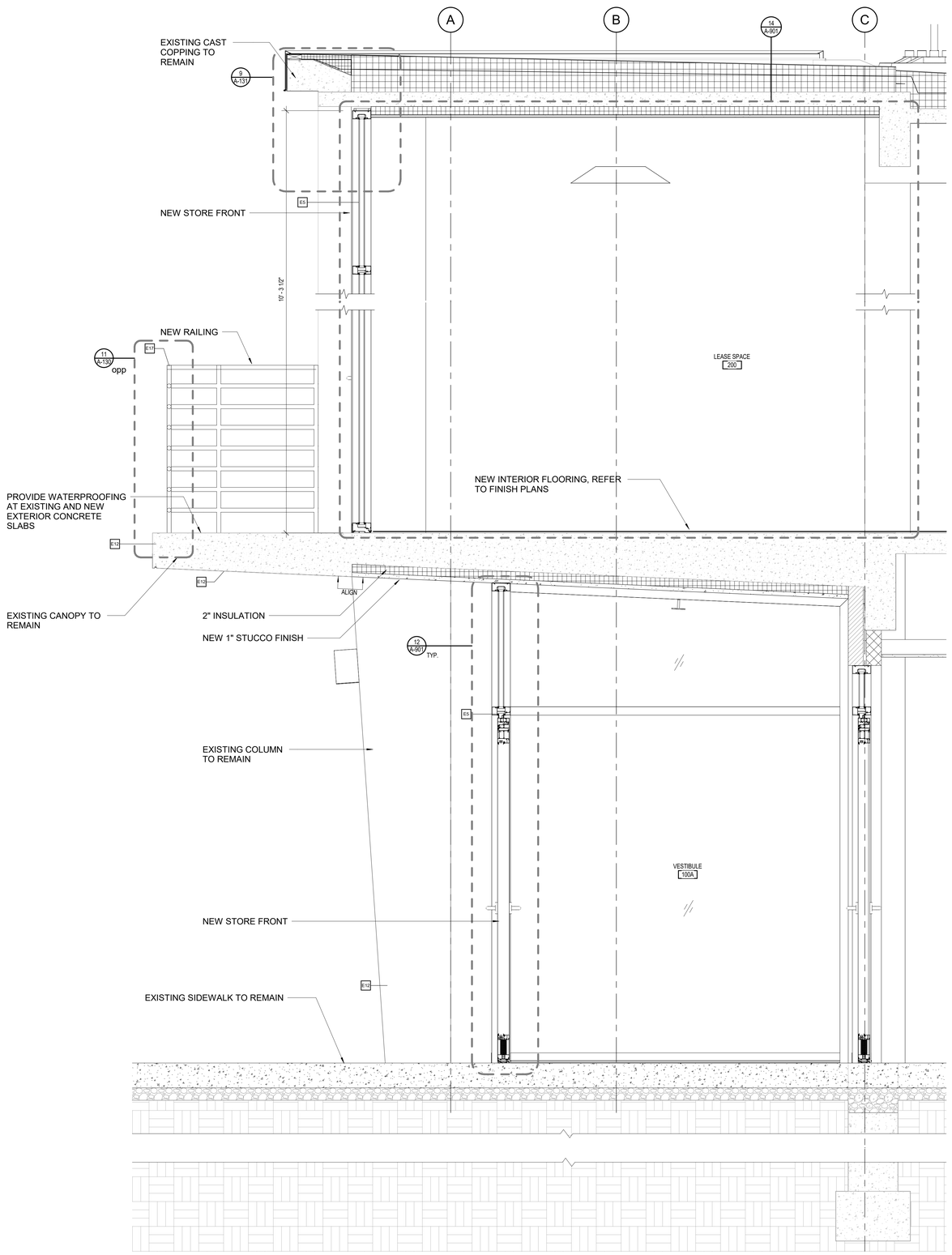
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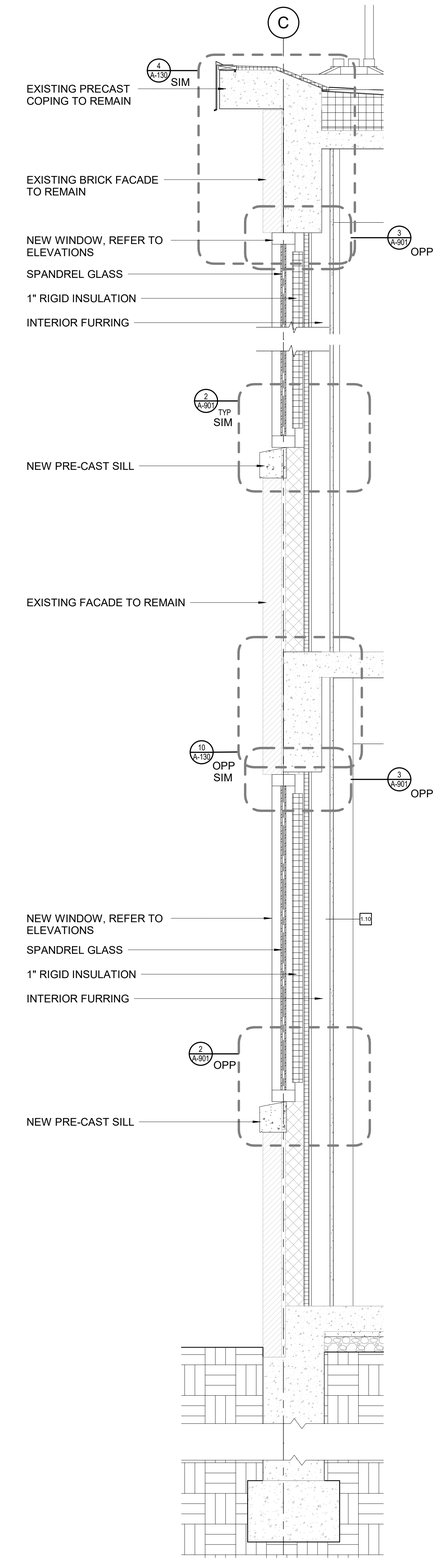
Note	Description
1.10	NEW FURRING PARTITION AT INTERIOR FACE OF EXISTING EXTERIOR WALL. 3" SPRAY-ON CLOSE CELL (R=19 OR GREATER) APPLIED ON FACE OF CMU TO OVERLAP WITH FURRING STUDS. INSTALL STUDS 1.5" AWAY FROM CMU FACE. TYPICAL THROUGHOUT. REFER TO EXTERIOR WALL DETAILS FOR WATER BARRIER LOCATION. ALL EXISTING OUTLETS TO BE RE-INSTALLED OR RETROFIT AS PER MEP DRAWINGS. TYP.
E2	TYPICAL: PROVIDE 2 COATS POTASSIUM SILICATE PAINT AT ALL BRICK, MORTAR AND CONCRETE FACES AFTER REPOINTING BUT PRIOR TO WINDOW/DOOR INSTALLATION. CLEAN MASONRY PRIOR TO PAINTING AS REQUIRED BY PAINT MANUFACTURER.
E5	STOREFRONTS AND ENTRY DOORS: YKK YES 45XT SYSTEM, REFER TO SPECIFICATIONS. ALL FRAMES TO HAVE THERMAL BREAK. TYP.
E12	SEE STRUCTURAL DRAWINGS FOR REPAIRS AND PATCHING OF EXISTING CONCRETE CANOPIES, SLABS, COLUMNS, BALCONY, ROOF COPINGS.
E17	NEW GUARDRAILS & HANDRAILS. REFER TO LIGHTING DRAWINGS AND SPECIFICATION SECTION FOR LED INTEGRATED LIGHT RAILING ON FRONT FACADE RAILINGS. SEE DETAILS.



10 WALL SECTION 10
A-121 SCALE: 1" = 1'-0"



9 WALL SECTION 9
A-121 SCALE: 1" = 1'-0"



7 WALL SECTION 7
A-121 SCALE: 1" = 1'-0"

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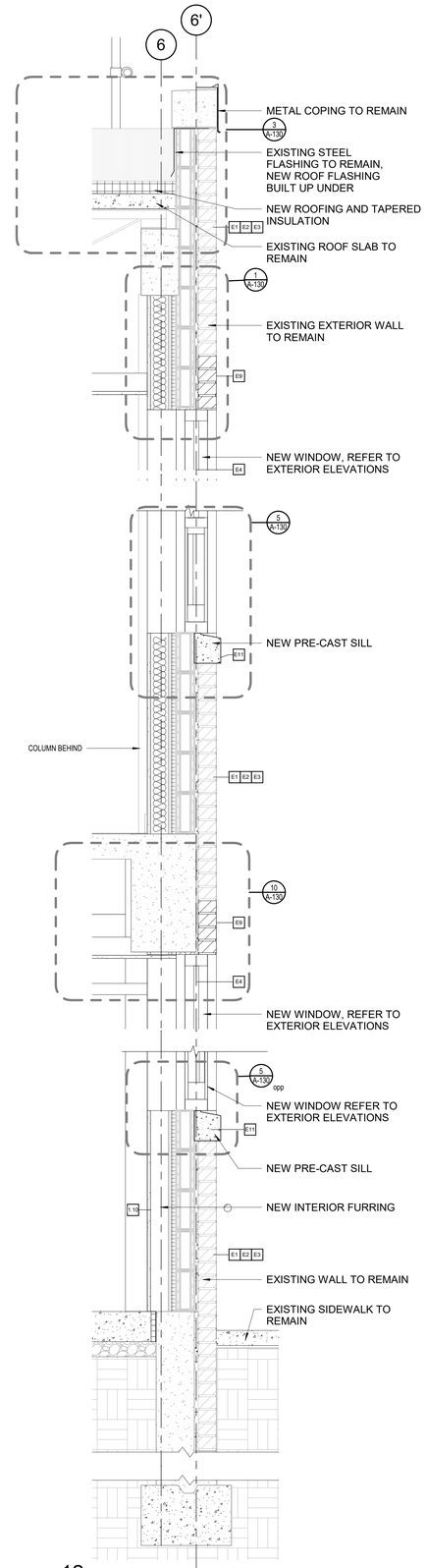
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WALL SECTIONS

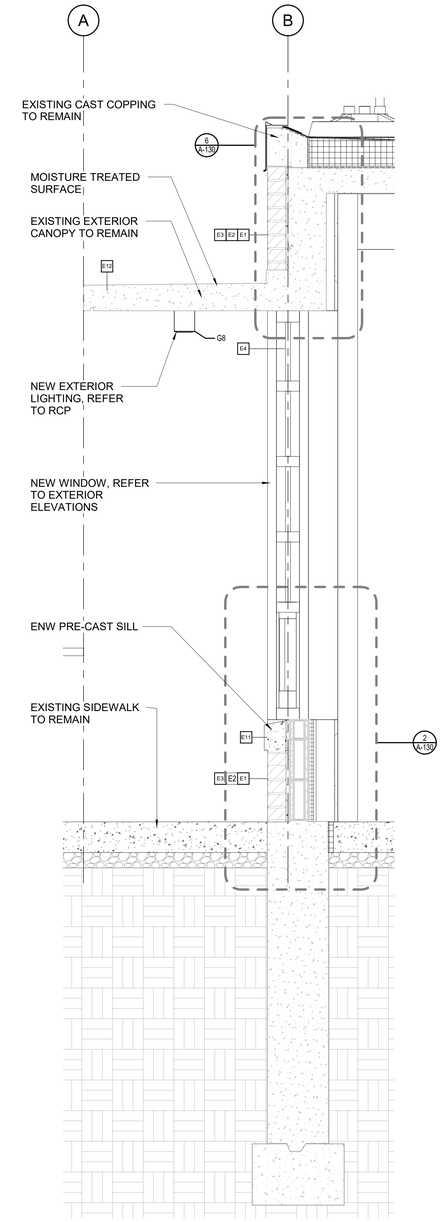
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SHEET NUMBER	A-121
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SCALE: AS SHOWN	
DATE: 09/02/2026	
DPW FILE NO.	48-08-A-424-0
REV NO.	0

KEYNOTES

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1.10	NEW FURRING PARTITION AT INTERIOR FACE OF EXISTING EXTERIOR WALL. 3" SPRAY-ON CLOSE CELL (R=19 OR GREATER) APPLIED ON FACE OF CMU TO OVERLAP WITH FURRING STUDS. INSTALL STUDS 1.5" AWAY FROM CMU FACE. TYPICAL THROUGHOUT, REFER TO EXTERIOR WALL DETAILS FOR WATER BARRIER LOCATION. ALL EXISTING OUTLETS TO BE RE-INSTALLED OR RETROFIT AS PER MEP DRAWINGS. TYP.
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E4	WINDOWS: YKK TOW550XT SERIES, REFER TO SPECIFICATIONS - ALL FRAMES TO HAVE THERMAL BREAK. TYP.
E9	TYPICAL: SEE STRUCTURAL DRAWINGS FOR REMOVAL OF EXISTING BRICKS & STEEL LINTELS. INSTALL NEW STEEL LINTELS AND RE-INSTALL BRICKS AND MORTAR TO MATCH ADJACENT AREAS.
E11	TYPICAL: SEE STRUCTURAL DRAWINGS FOR REPAIR OR REMOVAL AND REPLACEMENT OF PRE-CAST CONCRETE SILLS.
E12	SEE STRUCTURAL DRAWINGS FOR REPAIRS AND PATCHING OF EXISTING CONCRETE CANOPIES, SLABS, COLUMNS, BALCONY, ROOF COPINGS.



12 A-122 WALL SECTION 12
SCALE: 1" = 1'-0"



11 A-122 WALL SECTION 11
SCALE: 1" = 1'-0"

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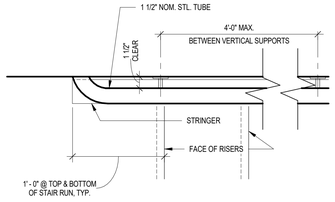
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WALL SECTIONS

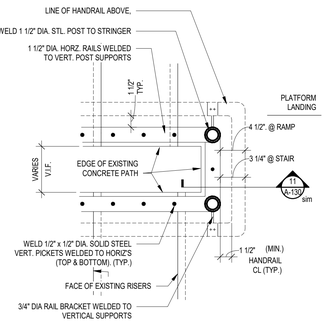
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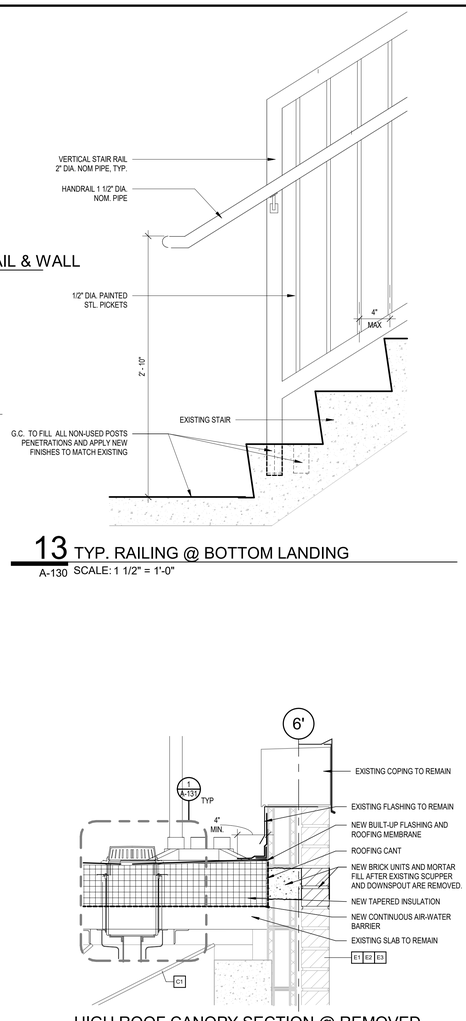
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C1	PROTECT AND REPAIR EXISTING STRUCTURAL FRAME FIRE PROOFING.
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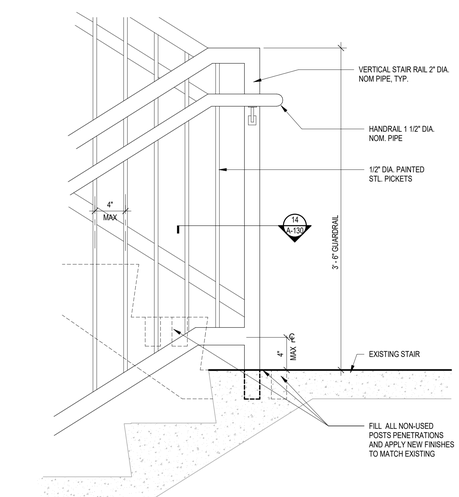
15 625_STAIR_PLAN DETAIL @ HANDRAIL & WALL
A-130 SCALE: 1 1/2" = 1'-0"



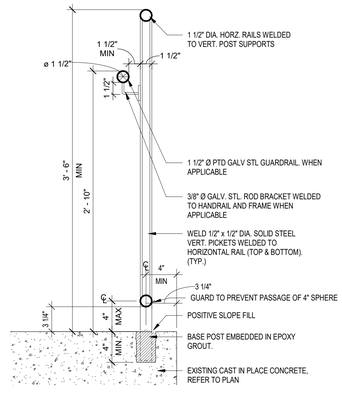
14 STRINGER & HANDRAIL @ LANDING
A-130 SCALE: 1 1/2" = 1'-0"



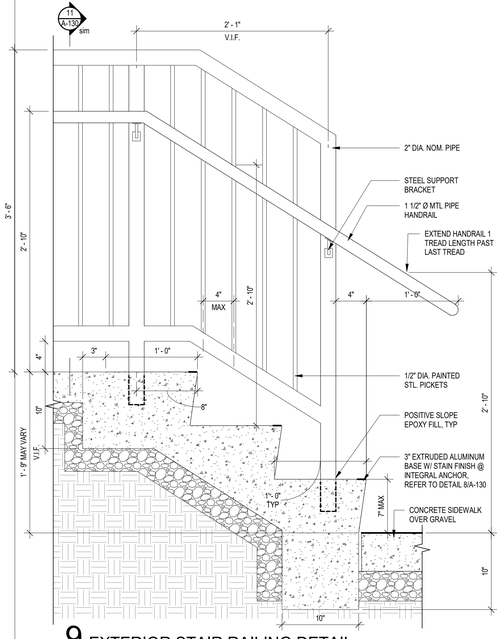
13 TYP. RAILING @ BOTTOM LANDING
A-130 SCALE: 1 1/2" = 1'-0"



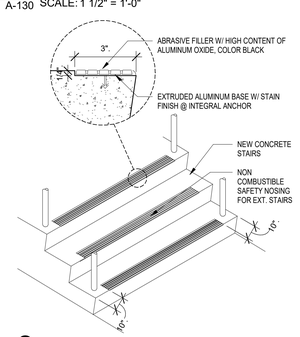
12 TYP. RAILING @ INTERMEDIATE LANDING
A-130 SCALE: 1 1/2" = 1'-0"



11 RAILING SECTION DETAIL
A-130 SCALE: 1 1/2" = 1'-0"

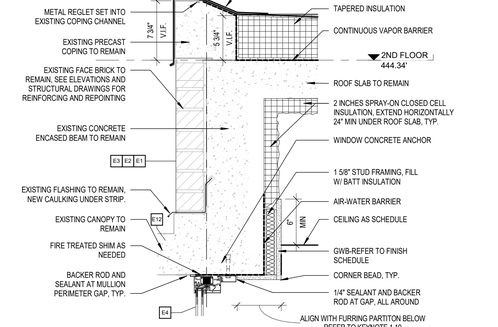


9 EXTERIOR STAIR RAILING DETAIL
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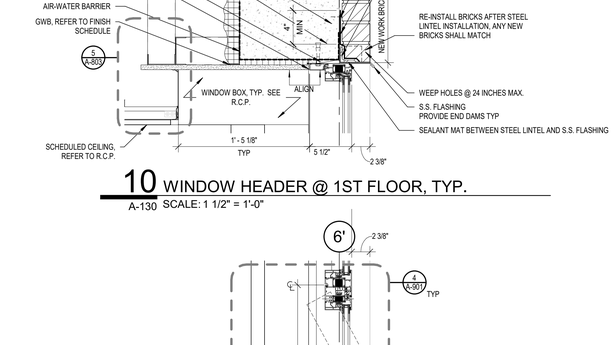


8 EXT. STAIR STRIPED EDGE DETAIL
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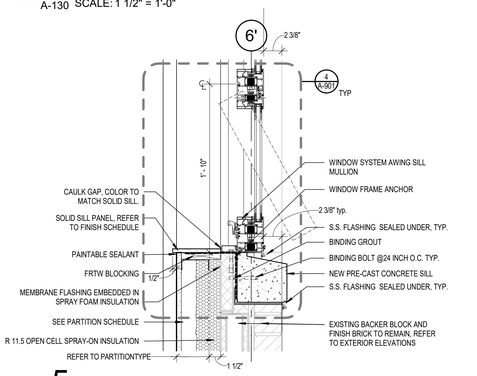
7 HIGH ROOF CANOPY SECTION @ REMOVED SCUPPER
A-130 SCALE: 1 1/2" = 1'-0"



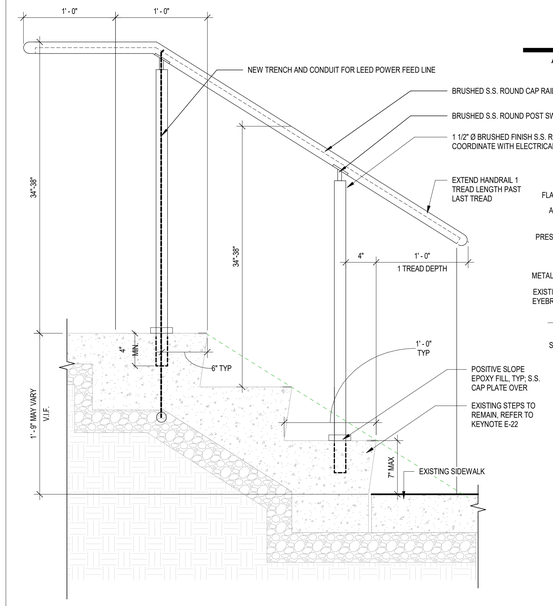
6 WINDOW HEADER @ CANOPY 1ST FLOOR
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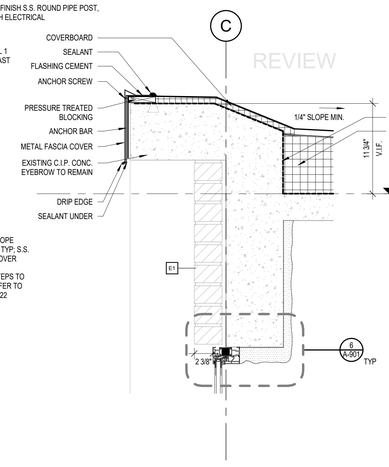
10 WINDOW HEADER @ 1ST FLOOR, TYP.
A-130 SCALE: 1 1/2" = 1'-0"



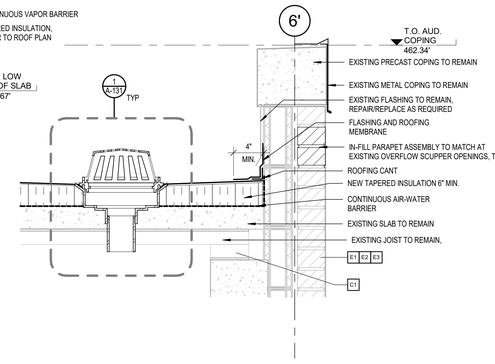
5 WINDOW SILL , TYP.
A-130 SCALE: 1 1/2" = 1'-0"



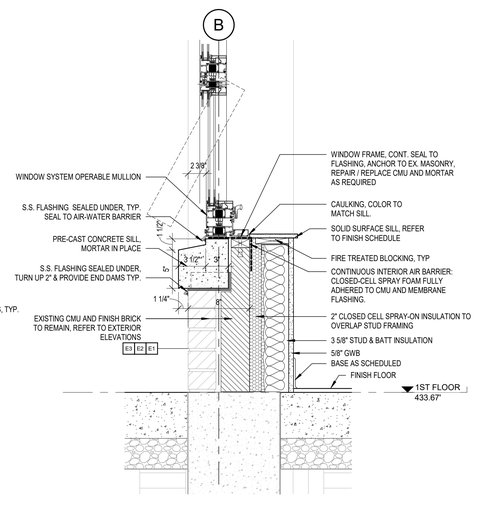
16 EXTERIOR STEPS RAILING DETAIL
A-130 SCALE: 1 1/2" = 1'-0"



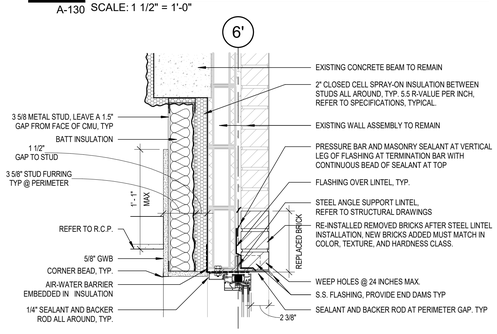
4 COPING DETAIL
A-130 SCALE: 1 1/2" = 1'-0"



3 HIGH ROOF CANOPY SECTION DETAIL, TYP
A-130 SCALE: 1 1/2" = 1'-0"



2 WINDOW SILL DETAIL @ 1ST FLOOR - FRONT FACADE
A-130 SCALE: 1 1/2" = 1'-0"



1 WINDOW HEADER @ 2ND FLOOR AUDITORIUM, TYP.
A-130 SCALE: 1 1/2" = 1'-0"

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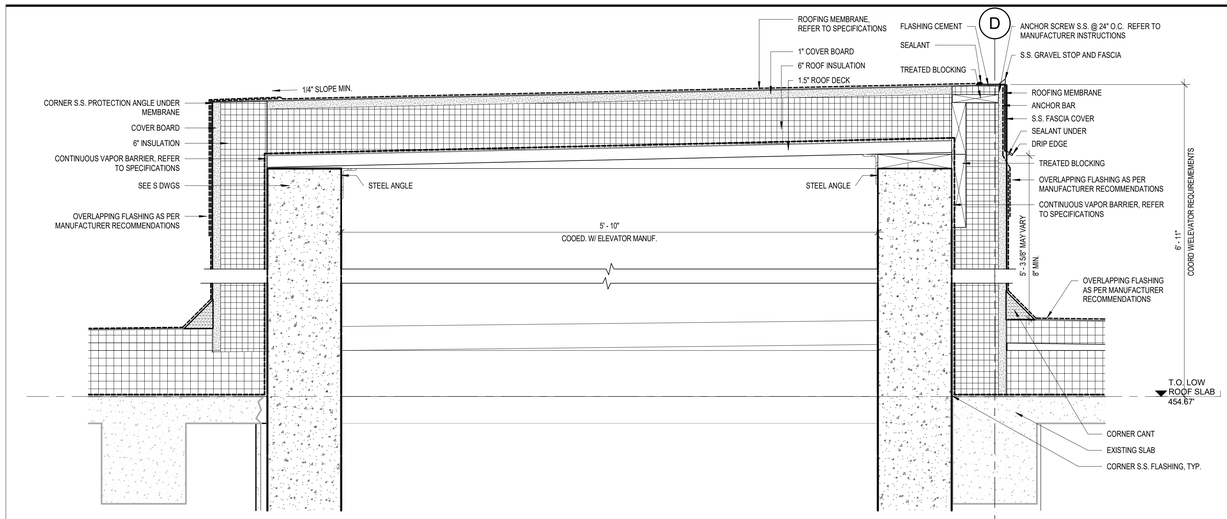
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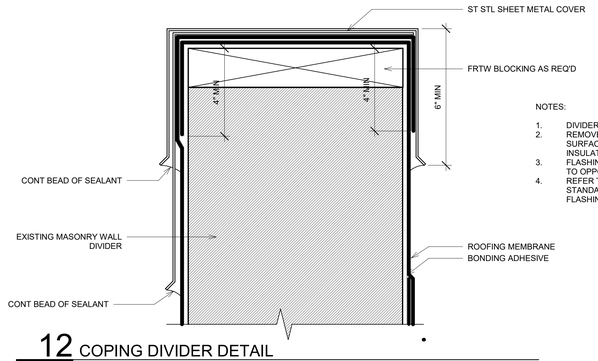
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXTERIOR DETAILS

CONTRACT NUMBER	SHEET NUMBER
25-532	A-130
SHEET 54 of 162	
SCALE: AS SHOWN	
DATE: 09/02/2026	
DPW FILE NO. 48-08-A-427-0	REV NO. 0

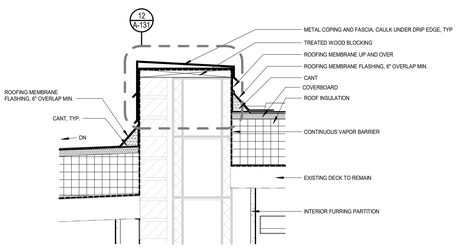


13 ELEVATOR BULKHEAD ROOFING SECTION DETAIL
A-131 SCALE: 1 1/2" = 1'-0"

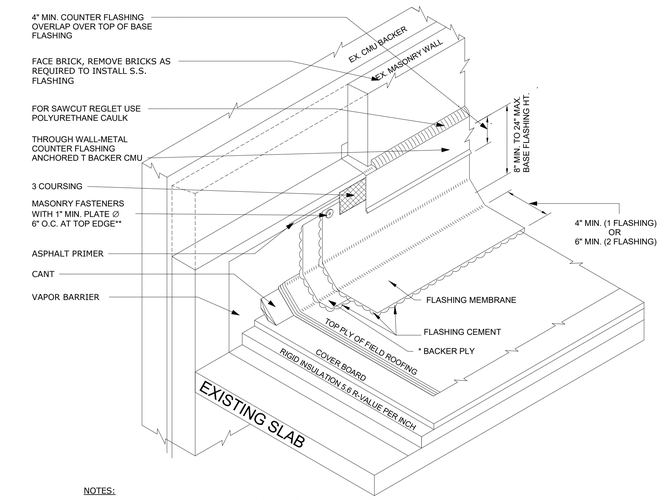


NOTES:
1. DIVIDER NOT TO RESTRICT FLOW TO DRAINS
2. REMOVE ALL EXISTING FLASHING, LEADS, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
3. FLASHING AND ITEMS SHOWN ON ONE SIDE APPLY TO OPPOSITE AS WELL
4. REFER TO FLASHING SPECIFICATIONS FOR STANDARD INSTALLATION REQUIREMENTS OF CAP FLASHING.

12 COPING DIVIDER DETAIL
A-131 SCALE: 12" = 1'-0"

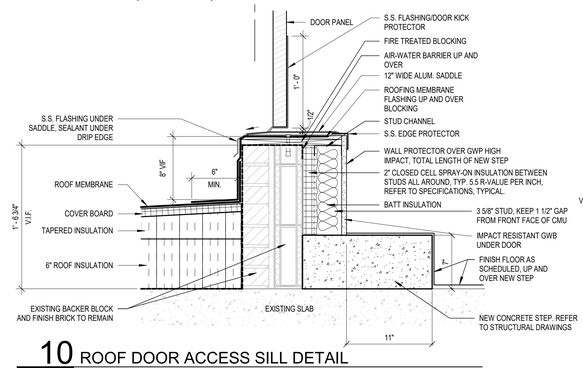


11 ROOF TRANSITION DETAIL @ EAST WING ADDITION
A-131 SCALE: 1 1/2" = 1'-0"

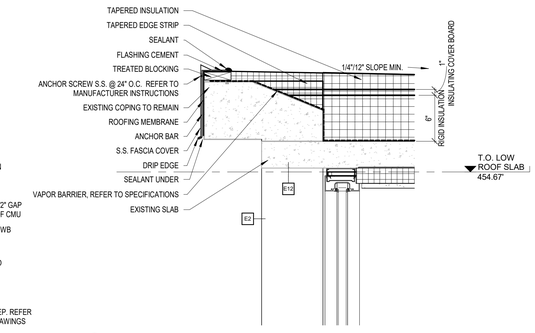


NOTES:
1. REFER TO MANUFACTURER FOR MOST UP-TO-DATE INFORMATION.
2. *A BACKER PLY EXTENDING 2" MIN. FROM TOE OF CANT MAY BE REQUIRED FOR MANUFACTURER GUARANTEES.
3. **A TERMINATION BAR FASTENED 6" O.C. IS AN ACCEPTABLE SECUREMENT ALTERNATIVE ALONG THE TOP EDGE OF THE FLASHING.
4. METAL COUNTER FLASHING IS RECOMMENDED FOR ALL INSTALLATIONS. A 3 COURSING OF PERMAFLASH MAY BE USED TO SEAL THE TOP EDGE OF THE FLASHING ON 10 YEAR NDL'S IN LIEU OF METAL COUNTER FLASHING.
5. VERTICAL JOINTS ARE TO BE OVERLAPPED 4" MINIMUM FOR ALL APPLICATIONS. 3 COURSING WITH MBR UTILITY CEMENT AND FABRIC OR FLASHING CEMENT IS RECOMMENDED ON ALL VERTICAL FLASHING LAPS AND INSIDE/OUTSIDE CORNERS EXTENDING PAST LEADING EDGE OF CANT STRIP.
6. ANY CARPENTRY, METAL WORK, OR MASONRY CONSTRUCTION SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL.
7. PLEASE SEE BITUMINOUS FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
8. MINUMUM RIGID INSULATION THICKNESS RECOMMENDED TO BE 6" (**R=33**) ASSEMBLY MINIMUM 30R INSULATION VALUE MUST BE KEPT. TYP

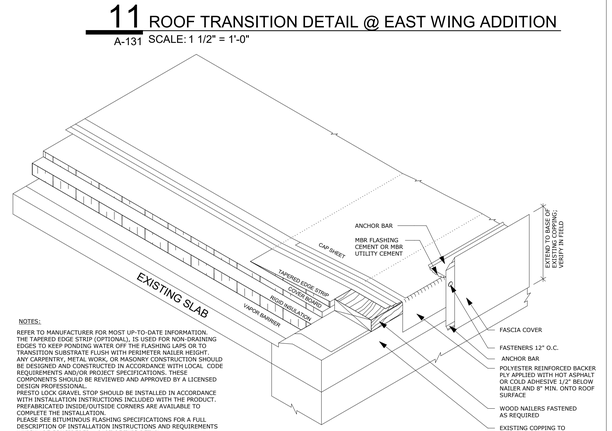
7 FLASHING AT MASONRY WALL
A-131 SCALE: 1 1/2" = 1'-0"



10 ROOF DOOR ACCESS SILL DETAIL
A-131 SCALE: 1 1/2" = 1'-0"



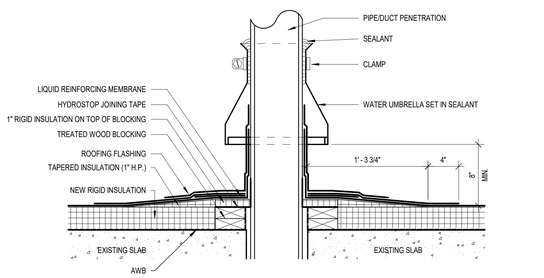
9 COPING AT FRONT FACADE HIGH ROOF
A-131 SCALE: 1 1/2" = 1'-0"



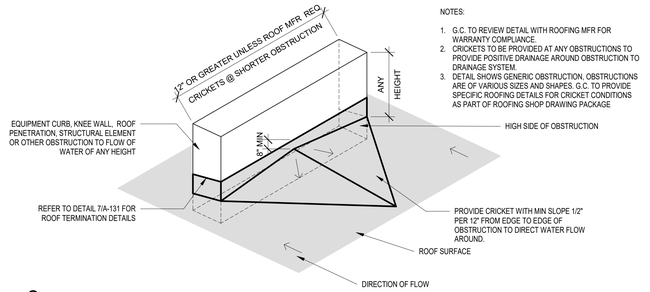
NOTES:
1. REFER TO MANUFACTURER FOR MOST UP-TO-DATE INFORMATION. THE TAPERED EDGE STRIP (OPTIONAL), IS USED FOR NON-DRAINING EDGES TO KEEP PONDING WATER OFF THE FLASHING LAPS OR TO TRANSITION SUBSTRATE FLUSH WITH PERIMETER NAILER HEIGHT.
2. ANY CARPENTRY, METAL WORK, OR MASONRY CONSTRUCTION SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL.
3. PRESTO LOCK GRAVEL STOP SHOULD BE INSTALLED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS INCLUDED WITH THE PRODUCT. PREFABRICATED INSIDE/OUTSIDE CORNERS ARE AVAILABLE TO COMPLETE THE INSTALLATION.
4. PLEASE SEE BITUMINOUS FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
5. POLYESTER REINFORCED BACKER PLY INCLUDES DYNABASE PR OR DYNALASTIC 180 S.

8 ROOFING AT EXISTING COPPING DETAIL
A-131 SCALE: 1 1/2" = 1'-0"

4 MULTIPLE DUCT PENETRATION DIAGRAM
A-131 SCALE: 1 1/2" = 1'-0"

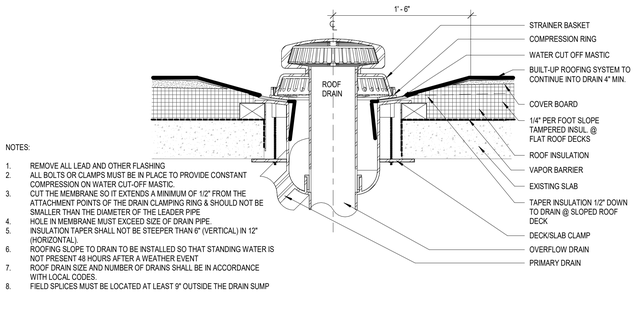


3 SMALL PIPE OR TUBE PENETRATION
A-131 SCALE: 1 1/2" = 1'-0"



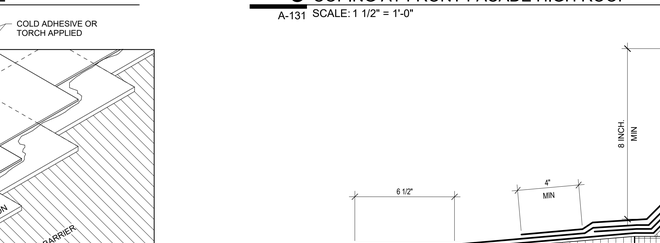
NOTES:
1. G.C. TO REVIEW DETAIL WITH ROOFING MFR FOR WARRANTY COMPLIANCE.
2. CRICKETS TO BE PROVIDED AT ANY OBSTRUCTIONS TO PROVIDE POSITIVE DRAINAGE AROUND OBSTRUCTION TO DRAINAGE SYSTEM.
3. DETAIL SHOWS GENERIC OBSTRUCTION. OBSTRUCTIONS ARE OF VARIOUS SIZES AND SHAPES. G.C. TO PROVIDE SPECIFIC ROOFING DETAILS FOR CRICKET CONDITIONS AS PART OF ROOFING SHOP DRAWING PACKAGE

2 RTU CURB ROOFING DETAIL
A-131 SCALE: NTS

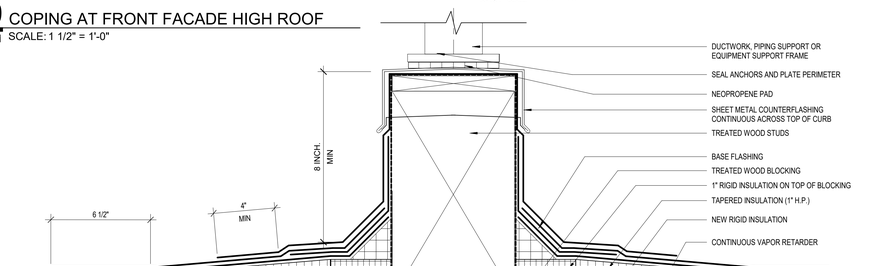


NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING.
2. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
3. CUT THE MEMBRANE SO IT EXTENDS A MINIMUM OF 1/2" FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING & SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE
4. HOLE IN MEMBRANE MUST EXCEED SIZE OF DRAIN PIPE.
5. INSULATION TAPER SHALL NOT BE STEEPER THAN 0" (VERTICAL) IN 12" (HORIZONTAL).
6. ROOFING SLOPE TO DRAIN TO BE INSTALLED SO THAT STANDING WATER IS NOT PRESENT 48 HOURS AFTER A WEATHER EVENT
7. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH LOCAL CODES.
8. FIELD SPLICES MUST BE LOCATED AT LEAST 9" OUTSIDE THE DRAIN SUMP

1 NEW ROOF DRAIN-OVERFLOW COMBINED DETAIL
A-131 SCALE: 1 1/2" = 1'-0"



6 ROOF ASSEMBLY TYPE
A-131 SCALE: 3" = 1'-0"



NOTE:
ROOFING FLASHING MEMBRANE, SEAL MATERIALS AND GENERAL FLASHING ASSEMBLY PROCEDURE TO BE COORDINATED WITH ROOFING VENDOR OF EXISTING ROOFING AS TO MAINTAIN EXISTING ROOFING WARRANTY.

5 EQUIPMENT SUPPORT CURB
A-131 SCALE: 3" = 1'-0"

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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

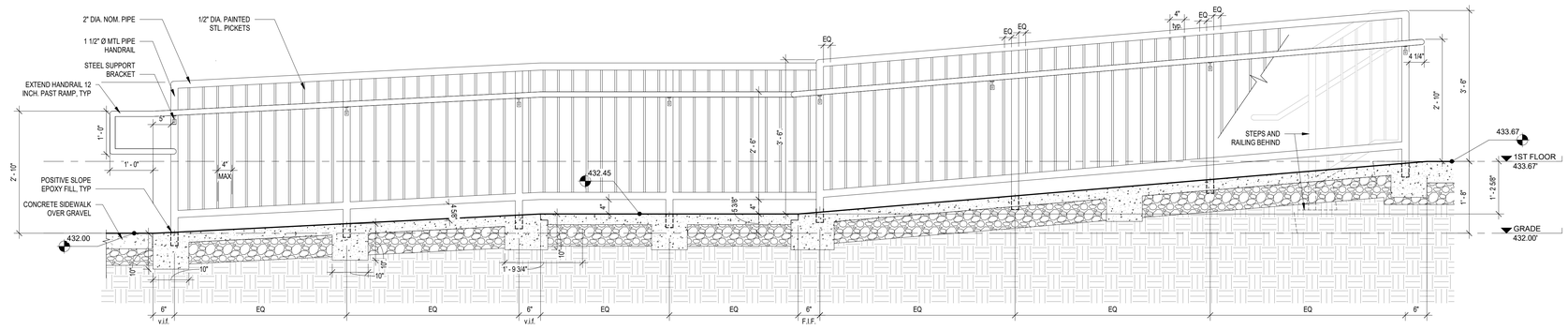
ROOF DETAILS

CONTRACT NUMBER 25-532
SHEET NUMBER A-131
SHEET 55 of 162
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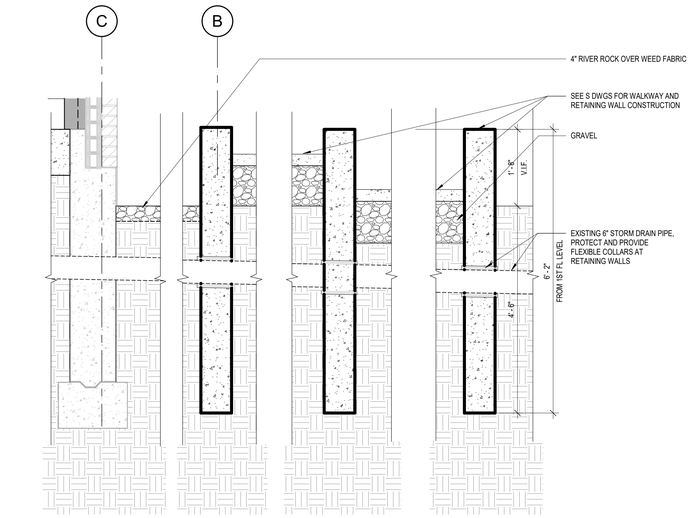
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KEYNOTES

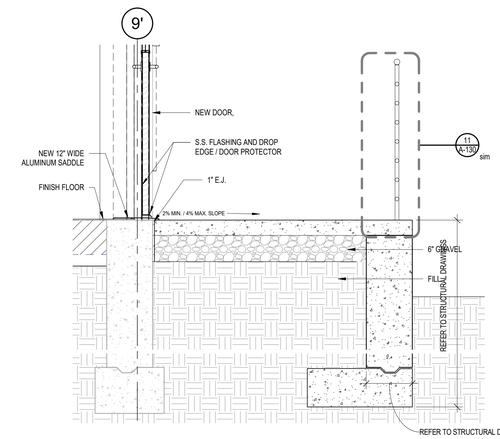
Note	Description
E17	NEW GUARDRAILS & HANDRAILS, REFER TO LIGHTING DRAWINGS AND SPECIFICATION SECTION FOR LED INTEGRATED LIGHT RAILING ON FRONT FACADE RAILINGS, SEE DETAILS.
E22	EXISTING EXTERIOR CONCRETE STEPS AND LANDING TO BE PATCHED AND REPAIRED.



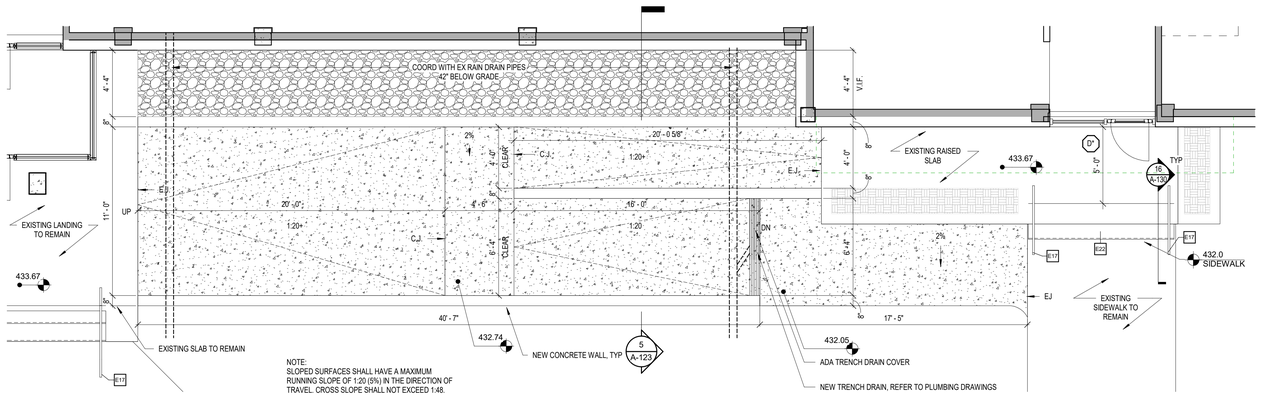
4 OVERALL RAMP SECTION DETAL
A-123 SCALE: 3/4" = 1'-0"



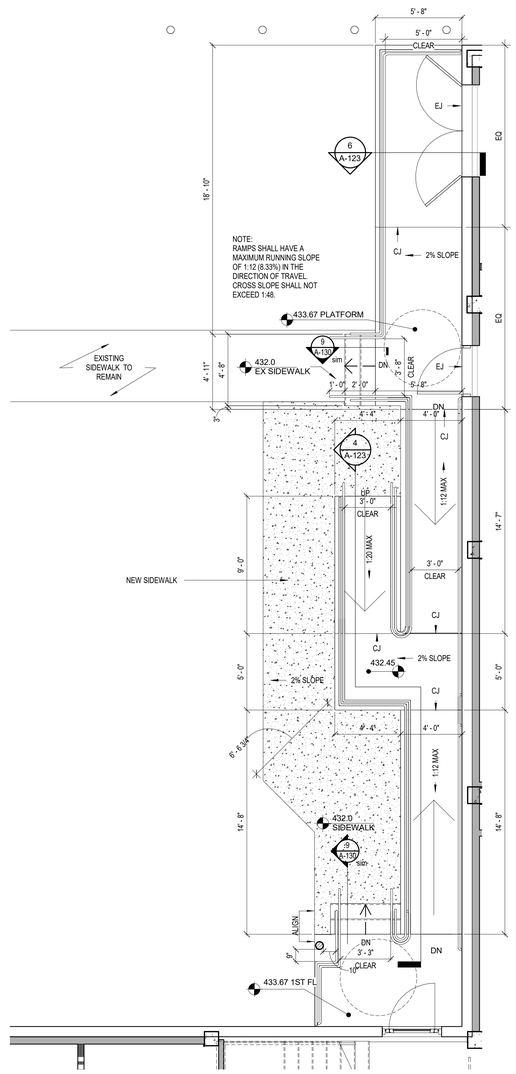
5 PLANTER - SIDEWALK SECTION
A-123 SCALE: 3/4" = 1'-0"



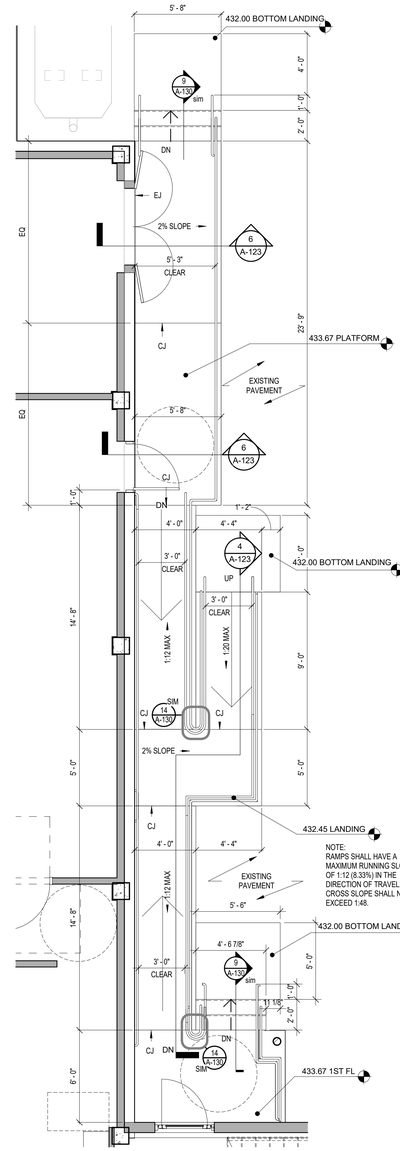
6 RAISED WALK SECTION
A-123 SCALE: 3/4" = 1'-0"



1 PLANTER - SIDEWALK PLAN
A-123 SCALE: 1/4" = 1'-0"



3 WEST RAMP ENLARGED PLAN
A-123 SCALE: 1/4" = 1'-0"



2 EAST RAMPS ENLARGED PLAN
A-123 SCALE: 1/4" = 1'-0"

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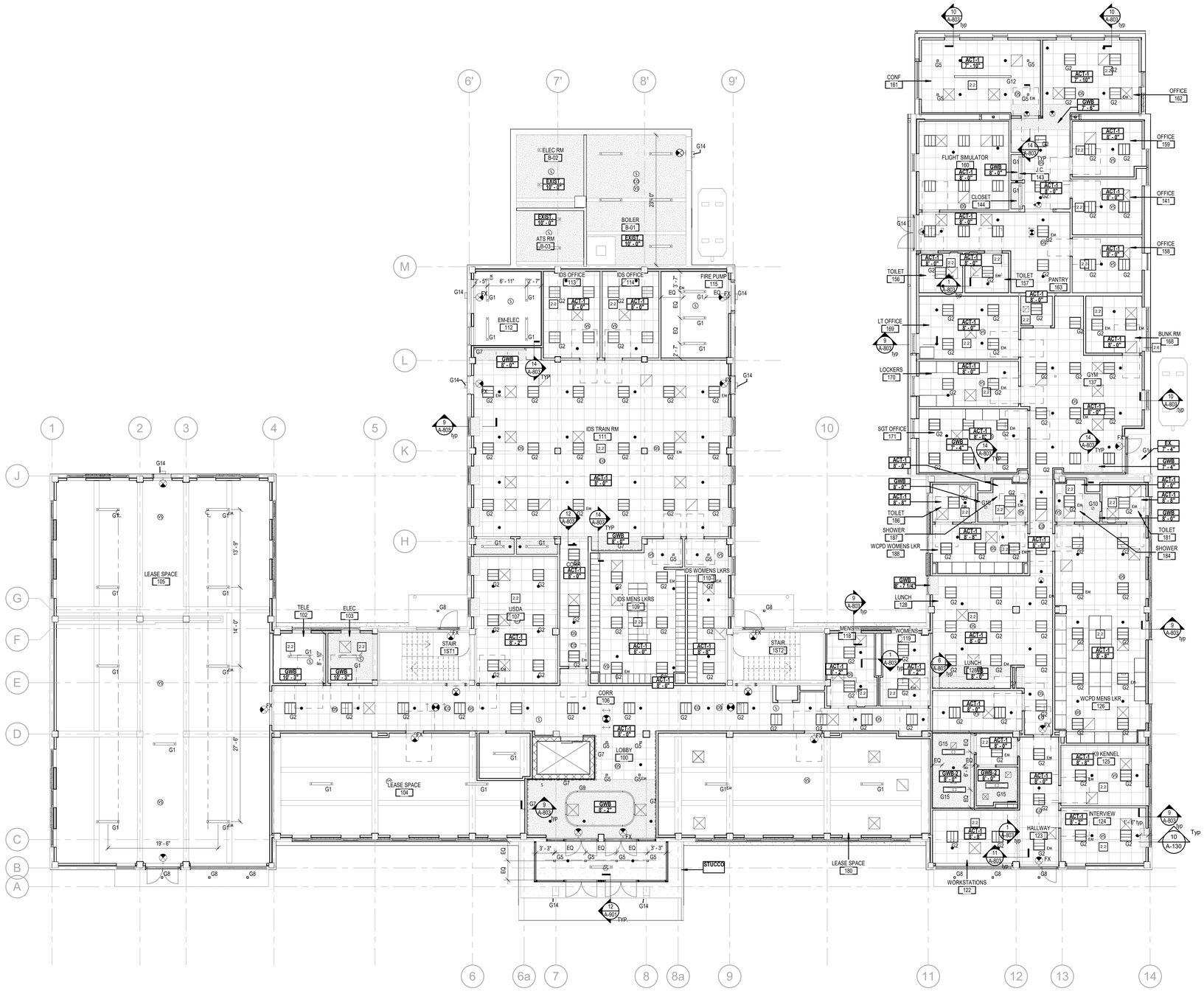
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

EXTERIOR STAIRS & RAMPS ENLARGED PLANS AND ELEVATIONS

CONTRACT NUMBER	25-532
SHEET NUMBER	A-123
SHEET	53 of 162
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REV NO.	0



1 1ST FLOOR REFLECTED CEILING PLAN
A-201 SCALE: 1/8" = 1'-0"

REFLECTED CEILING LEGEND

ACT-1: 24 x 24 ACOUSTICAL CLG AND GRID. HEIGHT AS INDICATED
MFG: ARMSTRONG
TYPE: ULTIMA - WHITE
GRID: 9/16" INTERLUDE - CENTERED IN ROOM AS GRAPHICALLY SHOWN

ACT-2: 24 x 48 ACOUSTICAL CEILING AND GRID. HEIGHT AS INDICATED
MFG: ARMSTRONG
TYPE: ULTIMA - WHITE
GRID: 9/16" INTERLUDE - CENTERED IN ROOM AS GRAPHICALLY SHOWN

NEW GWB CEILING. HEIGHT AS INDICATED.
GWB-2 INDICATES ABUSE RESISTANT BY USG.

EXISTING GWB CEILING

CEILING TAG
INDICATES MATERIAL
INDICATES HEIGHT ABOVE FINISHED FLOOR

PENDANT LIGHT FIXTURE
INDICATES FIXTURE TAG

LAY-IN LIGHT FIXTURE
INDICATES FIXTURE TAG

RECESSED LIGHT FIXTURE
INDICATES FIXTURE TAG

RECESSED LIGHT FIXTURE
INDICATES FIXTURE TAG

* REFER TO ENGINEERING DRAWINGS FOR LIGHT FIXTURES SCHEDULE AND SPECIFICATION

EXIT SIGN, WALL MOUNTED, ARROW INDICATES DIRECTION OF EXIT

EXIT SIGN, CEILING MOUNTED, ARROW INDICATES DIRECTION OF EXIT

OCCUPANCY SENSOR

AIR SUPPLY/RETURN - REFER TO MEP DRAWINGS

REFLECTED CEILING NOTES

1. COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING WORK TO ENSURE CLEARANCES FOR FIXTURES, DUCTS, PIPING, CEILING SUSPENSION SYSTEM, ETC., NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECT'S DRAWINGS. VERIFY IN FIELD.
2. THIS BUILDING IS PROTECTED BY A FULLY AUTOMATIC SPRINKLER SYSTEM. THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF THE SPRINKLER SYSTEM FOR NEW CONSTRUCTION OR MODIFICATION TO THE EXISTING SYSTEM. ALL WORK SHALL BE APPROVED BY THE JURISDICTIONAL CODE AUTHORITIES PRIOR TO CONSTRUCTION.
3. A REFLECTED CEILING PLAN IS TO BE SUBMITTED BY CONTRACTOR WHICH LOCATES ALL LIGHTS, SMOKE DETECTORS, EXIT SIGNS, EMERGENCY LIGHTS, AND ALL OTHER ITEMS RELATED TO ELECTRICAL WORK THESE ARE ITEMS TO BE SHOWN ON A SINGLE PLAN WHICH COORDINATES THIS WORK DIFFUSERS, GRILLS, SPRINKLER HEADS, AND ALL OTHER HVAC AND PLUMBING WORK.
4. NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, STRUCTURES, HVAC, AND/OR CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECTS CEILING GRID LOCATION & ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING.
5. ALL SOFFITS AND CEILING HEIGHTS ARE DIMENSIONED FROM CONCRETE SLAB TO BOTTOM OF FINISHED GYPSUM BOARD OR CEILING TILE, U.N.O.
6. CONTRACTOR TO PROVIDE BLOCKING AND SUPPORT FOR CEILING MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO PROJECTIONS SCREENS, CAMERAS, AND AV. EQUIPMENT.
7. PERIMETER CEILING ANGLE, WHERE OCCURS, SHALL BE INSTALLED TIGHT TO VERTICAL SURFACES, FREE FROM CURVES, BREAKS, OR OTHER IRREGULARITIES AND PAINTED TO MATCH CEILING FINISH.
8. FURNISH AND INSTALL UNDERWRITERS LABORATORIES INC. (UL) LABELED DEVICES THROUGHOUT.
9. FURNISH AND INSTALL ALL FIXTURES, ASSOCIATED TRIM, FIXTURE LAMPS, AND BRACING AS REQUIRED. LIGHT FIXTURES SHALL BE PROTECTED WITH FILM OR SIMILAR COVER OVER LOUVER, LENS, BAFFLE, AND THE LIKE TO AVOID FIXTURE SOILING OR DAMAGE. EXISTING FIXTURES SHALL BE MAINTAINED, CLEANED AND AS NEW. LAMPS SHALL BE NEW AT PROJECT COMPLETION, FURNISHED BY G.C., COLOR TEMPERATURE AS SPECIFIED BY ARCHITECT.
10. REFER TO ENGINEER'S DRAWINGS FOR ALL CIRCUITING, SWITCHING, EMERGENCY LIGHT FIXTURES, SPRINKLER AND FIRE ALARM AND ALL LIFE SAFETY DEVICES REQUIRED BY CODE. ARCHITECTURAL DRAWINGS DETERMINE LOCATION AND TYPE OF ALL FIXTURES AND TAKE PRECEDENCE OVER ALL OTHERS, U.N.O.. IN THE EVENT OF DISCREPANCIES BETWEEN THE ARCHITECT'S REFLECTED CEILING PLAN AND ENGINEER'S LIGHTING PLAN, NOTIFY THE ARCHITECT IN WRITING BEFORE ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
11. ALL CUT TILE TEGULAR EXPOSED EDGES TO BE PAINTED WHITE BEFORE FINAL INSTALLATION.
12. LOCATION OF ALL REMOTE BALLASTS, TRANSFORMERS, OR DRIVERS TO BE DETERMINED IN FIELD, U.O.N. CONSULT VOLTAGE DROP CHART BEFORE DETERMINING DISTANCE FOR REMOTE DEVICES
13. WHERE INDIRECT LIGHTING IS SPECIFIED (COVE LIGHTS, SCONCES, ETC.) CEILING MUST BE MATTE/FLAT FINISH TO AVOID REFLECTIONS OF LAMPS IN FINISH. INSIDES OF COVES OR LIGHT BOXES TO BE FLAT WHITE FINISH FOR MAXIMUM LIGHT OUTPUT, U.O.N.
14. ALL LINEAR LIGHT FIXTURES IN CEILING, COVES, MILLWORK, OR FURNITURE TO BE MEASURED PRIOR TO PURCHASE.
15. PROVIDE TRIMLESS CEILING ACCESS AS REQUIRED FOR EQUIPMENT AND SYSTEM MAINTENANCE FINISHED TO MATCH ADJACENT CEILING FINISH, U.O.N. FINAL LOCATIONS TO BE REVIEWED AND APPROVED BY ARCHITECT.
16. REFER TO LIGHTING DESIGNER'S DOCUMENTS FOR FURTHER INFORMATION ON LIGHT FIXTURES.

KEYNOTES

Note	Description
2.2	CENTER LIGHT FIXTURE WITHIN ROOM
2.6	GWB PERIMETER SOFFIT & WINDOW TREATMENT HEADER ARE TO MATCH BUILDING STANDARDS. REFER TO FINISH PLANS FOR WINDOW TREATMENT FINISHES.

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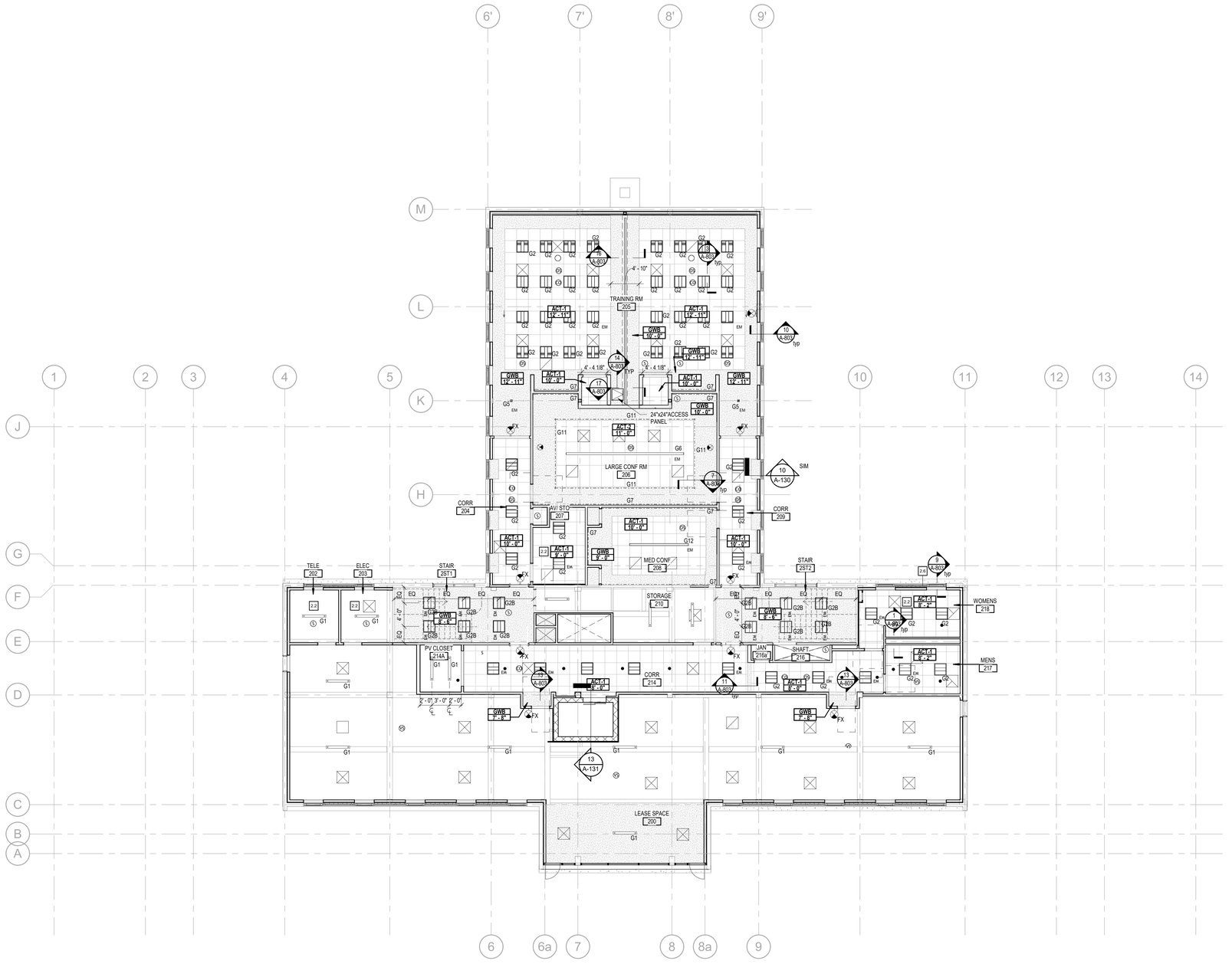
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

1ST FLOOR - REFLECTED CEILING PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER A-201
SHEET 56 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-A-429-0
REV NO. 0



1 2ND FLOOR REFLECTED CEILING PLAN
A-202 SCALE: 1/8" = 1'-0"

REFLECTED CEILING LEGEND

ACT-1: 24 x 24 ACOUSTICAL CLG AND GRID. HEIGHT AS INDICATED
MFG: ARMSTRONG
TYPE: ULTIMA - WHITE
GRID: 9/16" INTERLUDE - CENTERED IN ROOM AS GRAPHICALLY SHOWN

ACT-2: 24 x 48 ACOUSTICAL CEILING AND GRID. HEIGHT AS INDICATED
MFG: ARMSTRONG
TYPE: ULTIMA - WHITE
GRID: 9/16" INTERLUDE - CENTERED IN ROOM AS GRAPHICALLY SHOWN

NEW GWB CEILING. HEIGHT AS INDICATED.
GWB-2 INDICATES ABUSE RESISTANT BY USG.

EXISTING GWB CEILING

CEILING TAG
1t — INDICATES MATERIAL
12'-10" — INDICATES HEIGHT ABOVE FINISHED FLOOR

F# — PENDANT LIGHT FIXTURE INDICATES FIXTURE TAG

F# — LAY-IN LIGHT FIXTURE INDICATES FIXTURE TAG

F# — RECESSED LIGHT FIXTURE INDICATES FIXTURE TAG

F# — RECESSED LIGHT FIXTURE INDICATES FIXTURE TAG

* REFER TO ENGINEERING DRAWINGS FOR LIGHT FIXTURES SCHEDULE AND SPECIFICATION

EXIT SIGN, WALL MOUNTED, ARROW INDICATES DIRECTION OF EXIT

EXIT SIGN, CEILING MOUNTED, ARROW INDICATES DIRECTION OF EXIT

OS — OCCUPANCY SENSOR

AIR SUPPLY/RETURN - REFER TO MEP DRAWINGS

REFLECTED CEILING NOTES

1. COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING WORK TO ENSURE CLEARANCES FOR FIXTURES, DUCTS, PIPING, CEILING SUSPENSION SYSTEM, ETC., NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECT'S DRAWINGS. VERIFY IN FIELD.
2. THIS BUILDING IS PROTECTED BY A FULLY AUTOMATIC SPRINKLER SYSTEM. THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF THE SPRINKLER SYSTEM FOR NEW CONSTRUCTION OR MODIFICATION TO THE EXISTING SYSTEM. ALL WORK SHALL BE APPROVED BY THE JURISDICTIONAL CODE AUTHORITIES PRIOR TO CONSTRUCTION.
3. A REFLECTED CEILING PLAN IS TO BE SUBMITTED BY CONTRACTOR WHICH LOCATES ALL LIGHTS, SMOKE DETECTORS, EXIT SIGNS, EMERGENCY LIGHTS, AND ALL OTHER ITEMS RELATED TO ELECTRICAL WORK THESE ARE ITEMS TO BE SHOWN ON A SINGLE PLAN WHICH COORDINATES THIS WORK DIFFUSERS, GRILLS, SPRINKLER HEADS, AND ALL OTHER HVAC AND PLUMBING WORK.
4. NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, STRUCTURES, HVAC, AND/OR CONDUIT. PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECT'S CEILING GRID LOCATION & ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING.
5. ALL SOFFITS AND CEILING HEIGHTS ARE DIMENSIONED FROM CONCRETE SLAB TO BOTTOM OF FINISHED GYPSUM BOARD OR CEILING TILE, U.N.O.
6. CONTRACTOR TO PROVIDE BLOCKING AND SUPPORT FOR CEILING MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO PROJECTIONS SCREENS, CAMERAS, AND AV. EQUIPMENT.
7. PERIMETER CEILING ANGLE, WHERE OCCURS, SHALL BE INSTALLED TIGHT TO VERTICAL SURFACES, FREE FROM CURVES, BREAKS, OR OTHER IRREGULARITIES AND PAINTED TO MATCH CEILING FINISH.
8. FURNISH AND INSTALL UNDERWRITERS LABORATORIES INC. (UL) LABELED DEVICES THROUGHOUT.
9. FURNISH AND INSTALL ALL FIXTURES, ASSOCIATED TRIM, FIXTURE LAMPS, AND BRACING AS REQUIRED. LIGHT FIXTURES SHALL BE PROTECTED WITH FILM OR SIMILAR COVER OVER LOUVER, LENS, BAFFLE, AND THE LIKE TO AVOID FIXTURE SOILING OR DAMAGE. EXISTING FIXTURES SHALL BE MAINTAINED, CLEANED AND AS NEW. LAMPS SHALL BE NEW AT PROJECT COMPLETION, FURNISHED BY G.C., COLOR TEMPERATURE AS SPECIFIED BY ARCHITECT.
10. REFER TO ENGINEER'S DRAWINGS FOR ALL CIRCUITING, SWITCHING, EMERGENCY LIGHT FIXTURES, SPRINKLER AND FIRE ALARM AND ALL LIFE SAFETY DEVICES REQUIRED BY CODE. ARCHITECTURAL DRAWINGS DETERMINE LOCATION AND TYPE OF ALL FIXTURES AND TAKE PRECEDENCE OVER ALL OTHERS, U.N.O. IN THE EVENT OF DISCREPANCIES BETWEEN THE ARCHITECT'S REFLECTED CEILING PLAN AND ENGINEER'S LIGHTING PLAN, NOTIFY THE ARCHITECT IN WRITING BEFORE ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
11. ALL CUT TILE TEGULAR EXPOSED EDGES TO BE PAINTED WHITE BEFORE FINAL INSTALLATION.
12. LOCATION OF ALL REMOTE BALLASTS, TRANSFORMERS, OR DRIVERS TO BE DETERMINED IN FIELD, U.O.N. CONSULT VOLTAGE DROP CHART BEFORE DETERMINING DISTANCE FOR REMOTE DEVICES
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16. REFER TO LIGHTING DESIGNER'S DOCUMENTS FOR FURTHER INFORMATION ON LIGHT FIXTURES.

KEYNOTES

Note	Description
2.2	CENTER LIGHT FIXTURE WITHIN ROOM
2.6	GWB PERIMETER SOFFIT & WINDOW TREATMENT HEADER ARE TO MATCH BUILDING STANDARDS. REFER TO FINISH PLANS FOR WINDOW TREATMENT FINISHES.

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BUILDING 1 REHABILITATION
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2ND FLOOR - REFLECTED CEILING PLAN

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FINISH TYPE LEGEND

TAG	TYPE	MANUFACTURER	STYLE / NO.	COLOR	FINISH	SIZE	INSTALL	LOCATION	COMMENTS
39									
ACOUSTIC CEILING TILE									
ACT1	ACOUSTIC CEILING TILE	ARMSTRONG	ULTIMA	WHITE		24X24	ARMSTRONG 9/16" SUPRAFINE	REFER TO RCP	
ACT2	ACOUSTIC CEILING TILE	ARMSTRONG	ULTIMA	WHITE		24X48	ARMSTRONG 9/16" SUPRAFINE	REFER TO RCP	
CARPET TILE									
CPT1	CARPET TILE	SHAW CONTRACT	PURPOSE TILE	NOCTURNE		24"X24"	MONOLITHIC INSTALLATION	GENERAL CARPET	
CPT2	CARPET TILE	SHAW CONTRACT	CHISEL TILE	GRANITE		24"X24"	MONOLITHIC INSTALLATION	CONFERENCE ROOM	
CERAMIC WALL TILE									
CWT1	CERAMIC WALL TILE	TILE BAR	AXELLE	MISTY GRAY	GLOSSY FINISH	3"X12"	STACKED, GROUT: LATICRETE - STEAMSHIP, 1/8"	BACKSPLASH	
ELECTROSTATIC TILE									
ESD1	ELECTROSTATIC TILE	ARMSTRONG FLOORING	EXCELON SDT	RIDGE		12"X12"	MONOLITHIC INSTALLATION	TELE RM	
EPOXY GROUT									
EG1	EPOXY GROUT	LATICRETE	SPECTRALOCK PRO	RAVEN		1/8"		PFT1	
EPOXY PAINT									
EP1	EPOXY PAINT	BENJAMIN MOORE	HP3410	OC-22 CALM	EPOXY		-	REFER TO FINISH PLAN	
EPOXY PAINT FLOOR									
EP2	EPOXY PAINT FLOOR	BENJAMIN MOORE	HP4300	TBD	EPOXY			REFER TO FINISH PLAN	
FABRIC PANEL									
FP1	FABRIC PANEL	CARNEGIE FABRIC	XOREL METEOR	2025			FABRIC TO BE WRAPPED USING THE SNAP-TEX SYSTEM WITH 1/2" HOMASOTE PANEL	CONFERENCE RM	
FP2	FABRIC PANEL	MAHARAM	TEK-WALL TINT	005 FOAM			FOLLOW MANUFACTURER RECOMMENDING INSTALLATION	MODERNFOLD PANELS / TRAINING ROOM	
FP3	FABRIC PANEL	CARNEGIE FABRIC	CIRCUIT	12			FABRIC TO BE WRAPPED USING THE SNAP-TEX SYSTEM WITH 1/2" HOMASOTE PANEL	TRAINING ROOM	
GLASS FILM									
GF1	GLASS FILM	SOLYX FILMS	SX-3140 DUSTED CRYSTAL	-	ETCHED	FULL HEIGHT WINDOW	INSTALLED ON INTERIOR SIDE OF WINDOW GLASS PANELS	REFER TO FINISH PLAN	
LUXURY VINYL TILE									
LVT1	LUXURY VINYL TILE	SHAW CONTRACT	SOLITUDE	NATURAL		6"X48"X5/64"	BRICK, DIRECT GLUE	REFER TO FINISH PLAN	
LVT2	LUXURY VINYL TILE	SHAW CONTRACT	COMMINGLE	IRON		9"X48"X5/64"	BRICK, DIRECT GLUE	REFER TO FINISH PLAN	
PAINT									
P1	PAINT	BENJAMIN MOORE	-	OC-22 CALM	EGGSHELL		-	GENERAL WALL PAINT	
P3	PAINT	BENJAMIN MOORE	-	JET BLACK 2120-10	EGGSHELL		-	REFER TO FINISH PLAN	
P4	PAINT	BENJAMIN MOORE	-	OC-22 CALM	SEMI-GLOSS			DOOR / FRAME	
P5	PAINT	BENJAMIN MOORE		OC-22 CALM	FLAT			CEILING	
PLASTIC LAMINATE									
PL1	PLASTIC LAMINATE	WILSONART	FAWN WALNUT Y0637	-	MATTE			MILLWORK CABINETS	
PORCELAIN TILE									
PFT1	PORCELAIN TILE	STONE SOURCE	FIRENZE SHALESTON	GRAY	ANTI-SLIP FINISH	24"X24"		LOBBY, CORRIDOR, RESTROOM, REFER TO FINISH PLAN	
PORCELAIN TILE BASE									
PTB1	PORCELAIN TILE BASE	STONE SOURCE	FIRENZE SHALESTON	GRAY	LAPPATO	4"HX24"W		LOBBY, CORRIDOR, RESTROOM, REFER TO FINISH PLAN	
PORCELAIN WALL TILE									
PWT1	PORCELAIN WALL TILE	TILE BAR	NEW ROCK	PERLA WHITE	MATTE	12"X24"	STACKED, GOURT: LATICRETE - FROSTY, 1/8"	SHOWER	
PWT2	PORCELAIN WALL TILE	TILE BAR	STACY GARCIA ARTBLOCK	AZURE LIGHT BLUE	MATTE	4"X16"	STACKED, GOURT: LATICRETE - FROSTY, 1/8"	RESTROOM	
RESILIENT WALL BASE									
RB1	RESILIENT WALL BASE	TARKETT	JOHNSONITE TRADITIONAL VINYL 1/8"	COTTON W		4"H	PROVIDE STRAIGHT BASE AT CARPET & COVE BASE AT RESILIENT LOCATIONS	REFER TO FINISH PLAN	
RB2	RESILIENT WALL BASE	TARKETT	JOHNSONITE TRADITIONAL VINYL 1/8"	STORM CLOUD CG		4"H	PROVIDE STRAIGHT BASE AT CARPET & COVE BASE AT RESILIENT LOCATIONS	REFER TO FINISH PLAN	
RB3	RESILIENT WALL BASE	TARKETT	JOHNSONITE TRADITIONAL VINYL 1/8"	BURNT UMBER		4"H	PROVIDE STRAIGHT BASE AT CARPET & COVE BASE AT RESILIENT LOCATIONS	REFER TO FINISH PLAN	
SHOWER CURTAIN									
SC1	SHOWER CURTAIN	INPRO	SUPER BIO STAT VINYL CURTAIN	WHITE					
SOLID SURFACE									
SS1	SOLID SURFACE	WILSONART	KIMBERLITE 9215CE	-	MATTE			RESTROOM	
SS2	SOLID SURFACE	WILSONART	CLOUD MIST 924SS	-	MATTE			MILLWORK COUNTERTOP	
STAIR TREAD									
RT1	STAIR TREAD	TARKETT	JOHNSONITE COLOR SPLASH TREADS WITH RISERS	BRYCE POINT VF9				STAIR TREAD, REFER TO FINISH PLAN	
VINYL COMPOSITE TILE									
VCT1	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	PREMIUM EXCELON CROWN TEXTURE	STERLING		12"X12"	MONOLITHIC INSTALLATION	REFER TO FINISH PLAN	
WALK OFF MAT									
WM1	WALK OFF MAT	CONSTRUCTION SPECIALITIES	DESIGNSTEP BR-DURATION	905 WROUGHT IRON		REFER TO FINISH PLAN FOR SIZE	SURFACE MOUNTED WITH ALUMINUM FRAME	ENTRANCE	
WALLCOVERING									
WC1	WALLCOVERING	WOLF GORDON	KINTSUGI	BREEZE				LUNCH RM. REFER TO FINISH PLAN	
WC2	WALLCOVERING	WOLF GORDON	ZURA	SEASHELL				REFER TO FINISH PLAN	
WINDOW SHADE									
WS1	WINDOW SHADE	LUTRON	CONTRACT MOTORIZED ROLLER SHADE - SIVOIA	E SCREEN - WHITE/LINEN & STRATUS BLACKOUT - SAIL	3% OPENNESS / 0% OPENNESS			REFER TO FINISH PLAN	
WS2	WINDOW SHADE	LUTRON	CONTRACT MOTORIZED ROLLER SHADE - SIVOIA	E SCREEN - WHITE/LINEN	3% OPENNESS			REFER TO FINISH PLAN	
WOOD									
WD1	WOOD	-	MILLWORKER TO MATCH PL1 WALNUT IN GRAIN AND STAIN. PROVIDE ARCHITECT FINISHED SAMPLE FOR APPROVAL					REFER TO FINISH PLAN	

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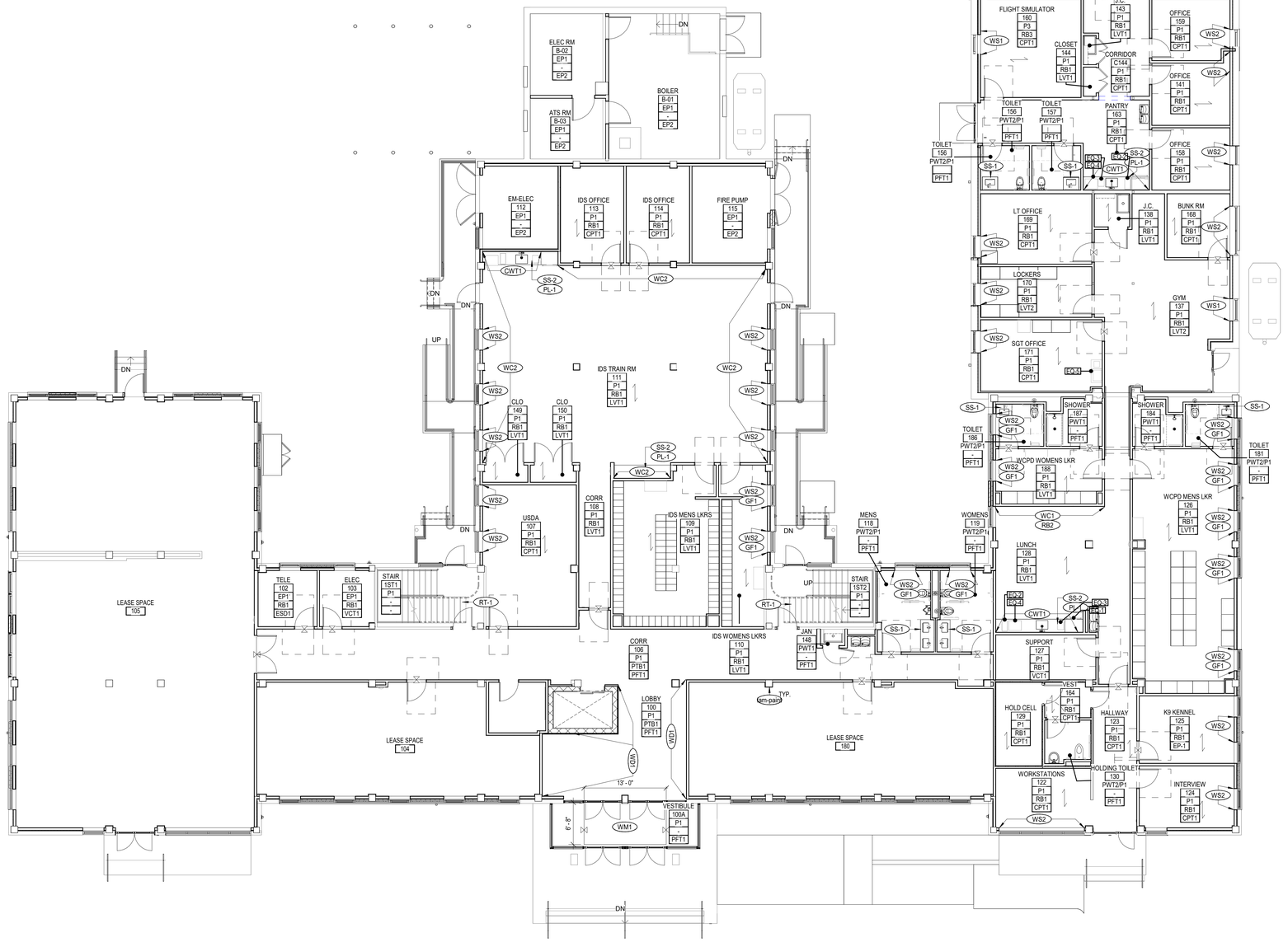
FINISH SCHEDULE

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APPLIANCE SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL	COLOR/ FINISH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-1	FRIDGE	FISHER & PAYKEL	RF170WDLX5 N	STAINLESS			
EQ-2	COFFEE MAKER	KEURIG	K-2550	BLACK			
EQ-3	COUNTERTOP WATER COOLER	CULLIGAN QUENCH	Q8 COUNTERTOP	BLACK			
EQ-4	MICROWAVE	GE	GCST20S1WSS	STAINLESS			
EQ-5	COPIER	BY CLIENT	TBD				



1 A-501 1ST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

FINISH LEGEND

ROOM NUMBER
WALL FINISH
BASE FINISH
FLOOR FINISH
INDICATES CHANGE IN FLOORING MATERIAL

FINISH NOTES

1. PROTECT EXISTING AREAS DURING CONSTRUCTION AND CLEAN AS REQUIRED AT COMPLETION OF CONSTRUCTION.
2. ALL FINISH MATERIALS TO BE ORDERED AND INSTALLED AS SPECIFIED IN THE FINISH SCHEDULE AND MANUFACTURER'S SPECIFICATIONS.
3. ALL WALLS TO BE PAINTED EGGSHELL FINISH. ALL DRYWALL CEILINGS & SOFFITS TO BE PAINTED FLAT FINISH. ALL DOOR FRAMES & TRIM TO BE PAINTED SEMI-GLOSS FINISH. PAINT ALL DIFFUSERS, GRILLES, ACCESS PANELS, ETC. TO MATCH ADJACENT SURFACES. ALL CONVECTORS TO BE ELECTROSTATICALLY PAINTED. ALL TRIM WORK TO BE HAND PAINTED.
4. ALL WALLS AND COLUMN SURFACES AND PERIPHERAL WINDOW DETAILS TO BE PROPERLY PREPARED, SPACKLED AND SANDED, ETC. TO PROVIDE A PERFECTLY SMOOTH SURFACE TO RECEIVE ONE (1) PRIMER COAT AND A MINIMUM OF TWO (2) FINISH COATS OF PAINT.
5. ALL INTERIOR FINISHES SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN THAT SPECIFIED BY IBC. ALL WALL & CEILING TO HAVE CLASS B RATING. FLOORING MATERIAL TO BE NOT LESS THAN CLASS II PER I.B.C AND IN ACCORDANCE WITH NFPA 253.
6. ALL FLOOR PATTERNS TO BE CENTERED IN CORRIDORS AND ROOMS UNLESS OTHERWISE NOTED. AT LOCATIONS WHERE MULTIPLE V.C.T. COLORS ARE SPECIFIED, CONTRACTOR TO CONFIRM PATTERN WITH ARCHITECT.
7. PROVIDE INSTALLATION DRAWING FOR REVIEW AND APPROVAL BY ARCHITECT, FLOORING INSTALLATION TO BE COORDINATED WITH FURNITURE INSTALLATION.
8. FLOORING MATERIAL TO EXTEND IN TO ALL COAT CLOSETS AND SUPPLY CLOSETS OF ADJACENT AREA UNLESS OTHERWISE NOTED.
9. ALL SEAMS WHERE FLOORING MATERIAL CHANGES ARE TO BE JOINED TO ACHIEVE FLAT SURFACES. THE SEAMS SHALL FALL EXACTLY UNDER THE CENTER LINE OF THE DOOR OR OPENING, U.O.N.
10. USE MANUFACTURER'S ADHESIVE TO CEMENT ALL SEAMS, JOINTS, AND EDGES TO FLOOR TO ASSURE STABILITY.
11. PREPARE EXISTING FLOOR SURFACE TO RECEIVE INSTALLATION OF ALL FLOOR COVERINGS AS PER MANUFACTURER'S SPECIFICATIONS. PREPARATION INCLUDES REMOVAL OF ALL LUMPS OR PROJECTIONS AND FILLING OF ALL UNEVEN AREAS WHICH ARE CONSIDERED DETRIMENTAL TO THE PROPER INSTALLATION OF ALL FLOOR COVERINGS. COMMENCEMENT OF THE INSTALLATION SHALL INDICATE THE CONTRACTOR HAS COMPLIED WITH THE ABOVE AND PROPER INSTALLATION WILL RESULT. ANY DISSATISFACTION ON THE PART OF THE CONTRACTOR IS TO BE REPORTED TO THE OWNER AND ARCHITECT IMMEDIATELY.
12. CHECK ALL DIMENSIONS IN THE FIELD TO VERIFY ACCURACY OF QUANTITIES PRIOR TO COMMENCEMENT OF WORK.
13. PROVIDE SUITABLE PROTECTION FOR ANY VERTICAL SURFACES THAT COULD BE DAMAGED IN ANY WAY DURING FLOORING INSTALLATION.
14. EXAMINE ALL AREAS OF CONSTRUCTION AFTER COMPLETION OF WORK BY ALL TRADES (INCLUDING CABLING, TELEPHONE AND FLOORING INSTALLATION, ETC) AND ANY AREAS DAMAGED BY OTHER TRADES TO HAVE 'TOUCH UP' PAINTING AND OR PATCHING AS REQUIRED TO PROVIDE AS NEW FINISH. UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT SPILLED, SPLASHED, OR SPATTERED ON ALL SURFACES.
15. UPON COMPLETION, ALL FLOORING WORK SHALL BE CLEANED BY THE CONTRACTOR REMOVING ALL SPOTS OF ADHESIVE AND SURFACE STAINS AND ALL SCRAPS, CARTONS AND CONTAINERS SHALL BE REMOVED FROM BUILDING.
16. INSTALL WALL COVERINGS WHERE DESIGNATED PER THE MANUFACTURERS INSTRUCTIONS. ALL WALL COVERINGS SHALL BE SMOOTH WITH NO WRINKLES, BUBBLES OR LOOSE EDGES. ALL PASTE AND BRUSH MARKS SHALL BE THOROUGHLY REMOVED. WALL COVERING ADJOINING WOOD OR METAL TRIM SHALL BE CUT STRAIGHT AND SQUARE. ALL WORKMANSHIP WHICH IS NOT JUDGED TO BE TOP QUALITY BY ARCHITECT WILL NOT BE ACCEPTED.
17. METAL SURFACES: IN AREAS WHERE METAL SURFACES ARE SCHEDULED TO BE PAINTED, PREP ALL SURFACES THOROUGHLY TO REMOVE ALL DIRT, OIL, GREASE, OR OTHER SURFACE DEPOSITS. APPLY ACRYLIC LATEX PRIMER AND A MINIMUM (2) COATS HIGH PERFORMANCE ACRYLIC LATEX, COLOR TO MATCH SURROUNDING GWB SURFACES.
18. ALL FINISH MATERIALS TO BE ORDERED AND INSTALLED AS SPECIFIED IN THE FINISH SCHEDULE AND MANUFACTURER'S SPECIFICATIONS.
19. ALL WALLS TO BE PAINTED EGGSHELL FINISH. ALL DRYWALL CEILINGS & SOFFITS TO BE PAINTED FLAT FINISH. ALL DOOR FRAMES & TRIM TO BE PAINTED SEMI-GLOSS FINISH. PAINT ALL DIFFUSERS, GRILLES, ACCESS PANELS, ETC. TO MATCH ADJACENT SURFACES. ALL CONVECTORS TO BE ELECTROSTATICALLY PAINTED. ALL TRIM WORK TO BE HAND PAINTED.
20. ALL FLOOR PATTERNS TO BE CENTERED IN CORRIDORS AND ROOMS UNLESS OTHERWISE NOTED. AT LOCATIONS WHERE MULTIPLE V.C.T. COLORS ARE SPECIFIED, CONTRACTOR TO CONFIRM PATTERN WITH ARCHITECT.

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Revision	Date	Description

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DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

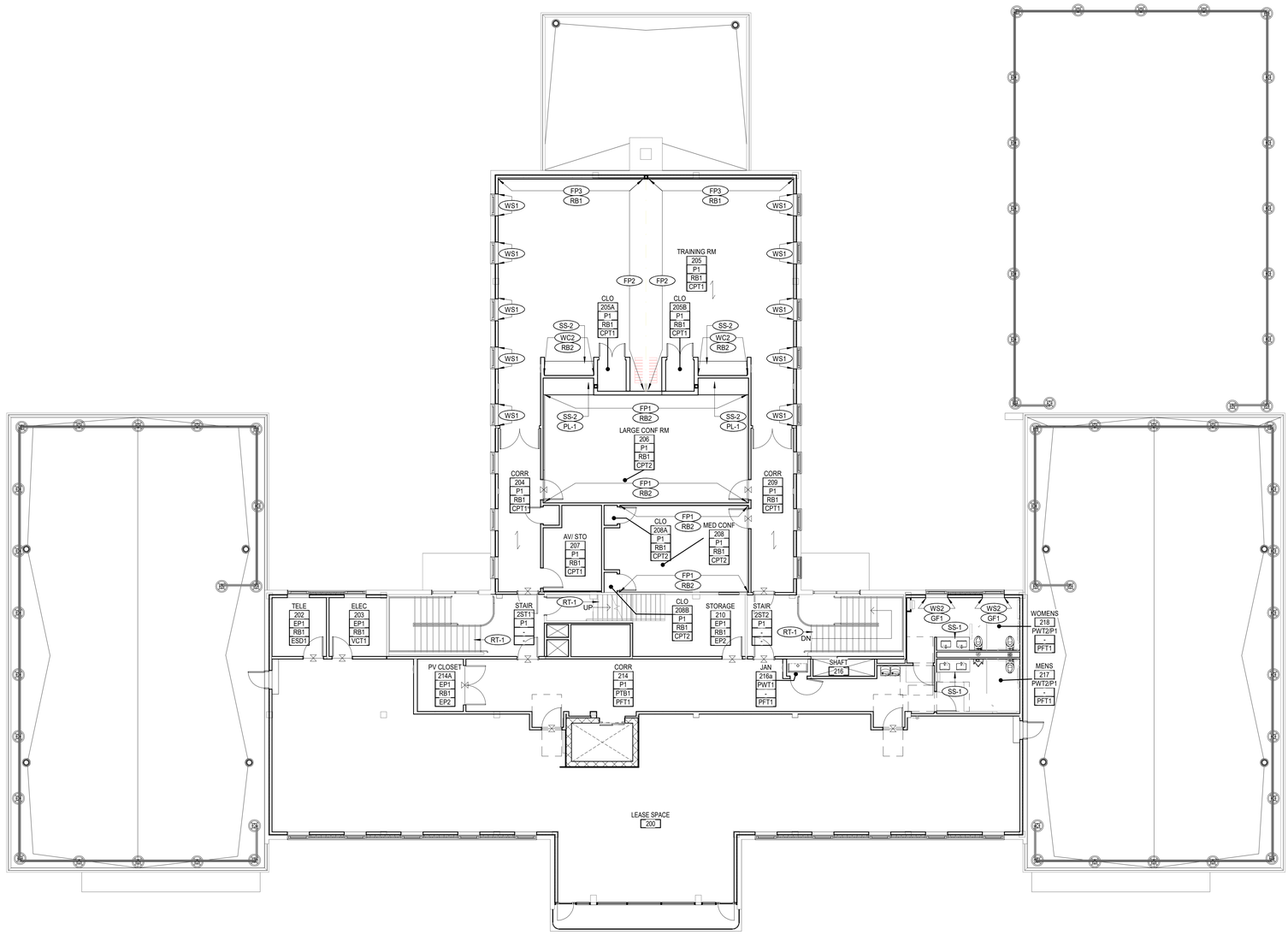
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

1ST FLOOR - FINISH EXTENT PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER A-501
SHEET 59 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-A-432-0
REV NO. 0

APPLIANCE SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL	COLOR/ FINISH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-1	FRIDGE	FISHER & PAYKEL	RF170WDLX5 N	STAINLESS			
EQ-2	COFFEE MAKER	KEURIG	K-2550	BLACK			
EQ-3	COUNTERTOP WATER COOLER	CULLIGAN QUENCH	Q8 COUNTERTOP	BLACK			
EQ-4	MICROWAVE	GE	GCST20S1WSS	STAINLESS			
EQ-5	COPIER	BY CLIENT	TBD				



FINISH LEGEND

ROOM NUMBER
WALL FINISH
BASE FINISH
FLOOR FINISH

INDICATES CHANGE IN FLOORING MATERIAL

FINISH NOTES

1. PROTECT EXISTING AREAS DURING CONSTRUCTION AND CLEAN AS REQUIRED AT COMPLETION OF CONSTRUCTION.
2. ALL FINISH MATERIALS TO BE ORDERED AND INSTALLED AS SPECIFIED IN THE FINISH SCHEDULE AND MANUFACTURER'S SPECIFICATIONS.
3. ALL WALLS TO BE PAINTED EGGSHELL FINISH. ALL DRYWALL CEILINGS & SOFFITS TO BE PAINTED FLAT FINISH. ALL DOOR FRAMES & TRIM TO BE PAINTED SEMI-GLOSS FINISH. PAINT ALL DIFFUSERS, GRILLES, ACCESS PANELS, ETC. TO MATCH ADJACENT SURFACES. ALL CONVECTORS TO BE ELECTROSTATICALLY PAINTED. ALL TRIM WORK TO BE HAND PAINTED.
4. ALL WALLS AND COLUMN SURFACES AND PERIPHERAL WINDOW DETAILS TO BE PROPERLY PREPARED, SPACKLED AND SANDED, ETC. TO PROVIDE A PERFECTLY SMOOTH SURFACE TO RECEIVE ONE (1) PRIMER COAT AND A MINIMUM OF TWO (2) FINISH COATS OF PAINT.
5. ALL INTERIOR FINISHES SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN THAT SPECIFIED BY IBC. ALL WALL & CEILING TO HAVE CLASS B RATING. FLOORING MATERIAL TO BE NOT LESS THAN CLASS II PER I.B.C AND IN ACCORDANCE WITH NFPA 253.
6. ALL FLOOR PATTERNS TO BE CENTERED IN CORRIDORS AND ROOMS UNLESS OTHERWISE NOTED. AT LOCATIONS WHERE MULTIPLE V.C.T. COLORS ARE SPECIFIED, CONTRACTOR TO CONFIRM PATTERN WITH ARCHITECT.
7. PROVIDE INSTALLATION DRAWING FOR REVIEW AND APPROVAL BY ARCHITECT, FLOORING INSTALLATION TO BE COORDINATED WITH FURNITURE INSTALLATION.
8. FLOORING MATERIAL TO EXTEND IN TO ALL COAT CLOSETS AND SUPPLY CLOSETS OF ADJACENT AREA UNLESS OTHERWISE NOTED.
9. ALL SEAMS WHERE FLOORING MATERIAL CHANGES ARE TO BE JOINED TO ACHIEVE FLAT SURFACES. THE SEAMS SHALL FALL EXACTLY UNDER THE CENTER LINE OF THE DOOR OR OPENING, U.O.N.
10. USE MANUFACTURER'S ADHESIVE TO CEMENT ALL SEAMS, JOINTS, AND EDGES TO FLOOR TO ASSURE STABILITY.
11. PREPARE EXISTING FLOOR SURFACE TO RECEIVE INSTALLATION OF ALL FLOOR COVERINGS AS PER MANUFACTURER'S SPECIFICATIONS. PREPARATION INCLUDES REMOVAL OF ALL LUMPS OR PROJECTIONS AND FILLING OF ALL UNEVEN AREAS WHICH ARE CONSIDERED DETRIMENTAL TO THE PROPER INSTALLATION OF ALL FLOOR COVERINGS. COMMENCEMENT OF THE INSTALLATION SHALL INDICATE THE CONTRACTOR HAS COMPLIED WITH THE ABOVE AND PROPER INSTALLATION WILL RESULT. ANY DISSATISFACTION ON THE PART OF THE CONTRACTOR IS TO BE REPORTED TO THE OWNER AND ARCHITECT IMMEDIATELY.
12. CHECK ALL DIMENSIONS IN THE FIELD TO VERIFY ACCURACY OF QUANTITIES PRIOR TO COMMENCEMENT OF WORK.
13. PROVIDE SUITABLE PROTECTION FOR ANY VERTICAL SURFACES THAT COULD BE DAMAGED IN ANY WAY DURING FLOORING INSTALLATION.
14. EXAMINE ALL AREAS OF CONSTRUCTION AFTER COMPLETION OF WORK BY ALL TRADES (INCLUDING CABLING, TELEPHONE AND FLOORING INSTALLATION, ETC) AND ANY AREAS DAMAGED BY OTHER TRADES TO HAVE 'TOUCH UP' PAINTING AND OR PATCHING AS REQUIRED TO PROVIDE AS NEW FINISH. UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT SPILLED, SPLASHED, OR SPATTERED ON ALL SURFACES.
15. UPON COMPLETION, ALL FLOORING WORK SHALL BE CLEANED BY THE CONTRACTOR REMOVING ALL SPOTS OF ADHESIVE AND SURFACE STAINS AND ALL SCRAPS, CARTONS AND CONTAINERS SHALL BE REMOVED FROM BUILDING.
16. INSTALL WALL COVERINGS WHERE DESIGNATED PER THE MANUFACTURERS INSTRUCTIONS. ALL WALL COVERINGS SHALL BE SMOOTH WITH NO WRINKLES, BUBBLES OR LOOSE EDGES. ALL PASTE AND BRUSH MARKS SHALL BE THOROUGHLY REMOVED. WALL COVERING ADJOINING WOOD OR METAL TRIM SHALL BE CUT STRAIGHT AND SQUARE. ALL WORKMANSHIP WHICH IS NOT JUDGED TO BE TOP QUALITY BY ARCHITECT WILL NOT BE ACCEPTED.
17. METAL SURFACES: IN AREAS WHERE METAL SURFACES ARE SCHEDULED TO BE PAINTED, PREP ALL SURFACES THOROUGHLY TO REMOVE ALL DIRT, OIL, GREASE, OR OTHER SURFACE DEPOSITS. APPLY ACRYLIC LATEX PRIMER AND A MINIMUM (2) COATS HIGH PERFORMANCE ACRYLIC LATEX, COLOR TO MATCH SURROUNDING GWB SURFACES.
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1 2ND FLOOR FINISH PLAN
A-502 SCALE: 1/8" = 1'-0"

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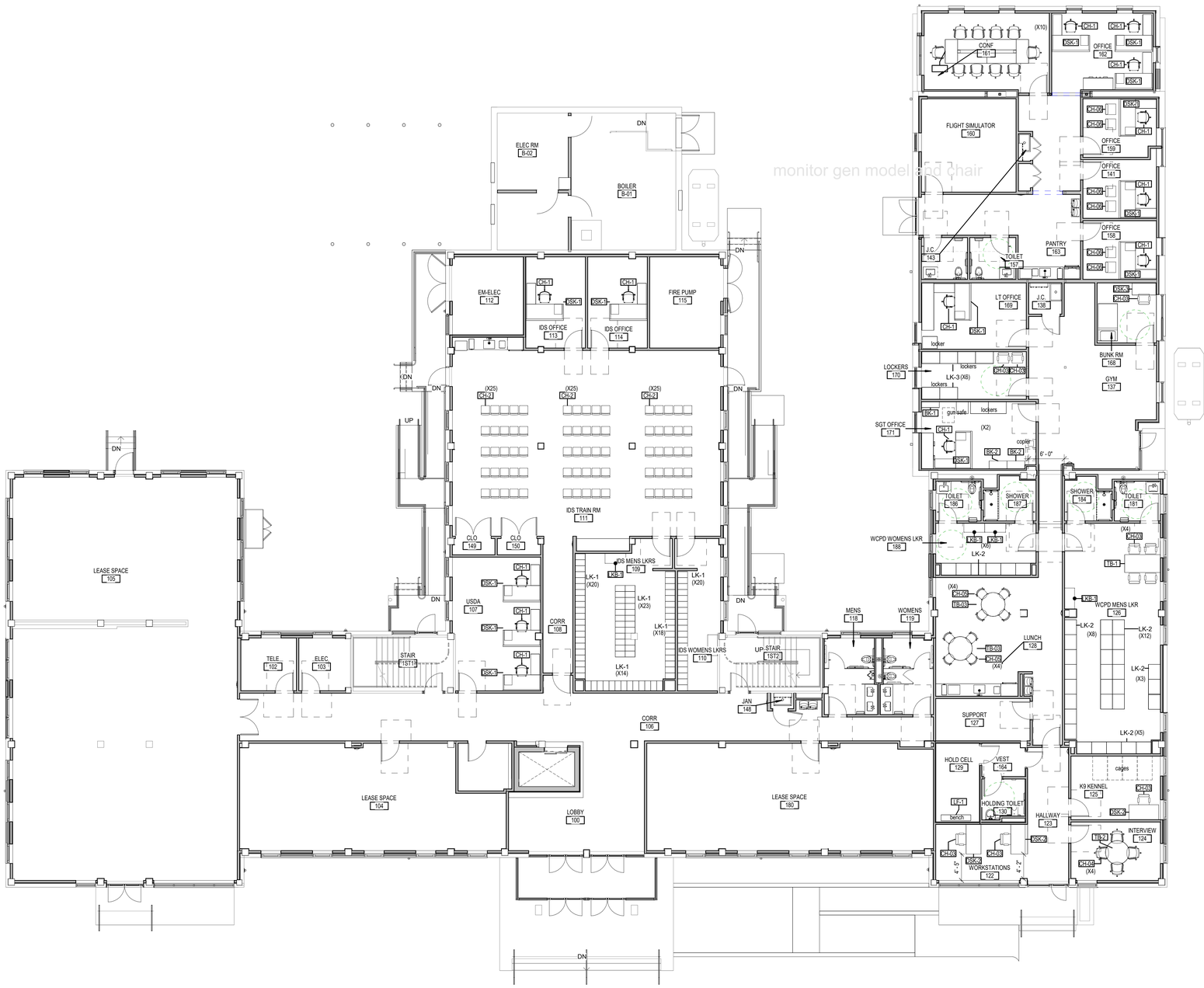
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

2ND FLOOR - FINISH EXTENT PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER A-502
SHEET 60 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-A-433-0
REV NO. 0

FURNITURE NOTES

1. ALL FURNITURE IS TO BE SPECIFIED AND PROCURED UNDER SEPARATE CONTRACT.
2. FURNITURE SHOWN FOR REFERENCE ONLY.



1 1ST FLOOR FURNITURE PLAN
A-601 SCALE: 1/8" = 1'-0"

monitor gen model sad chair

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

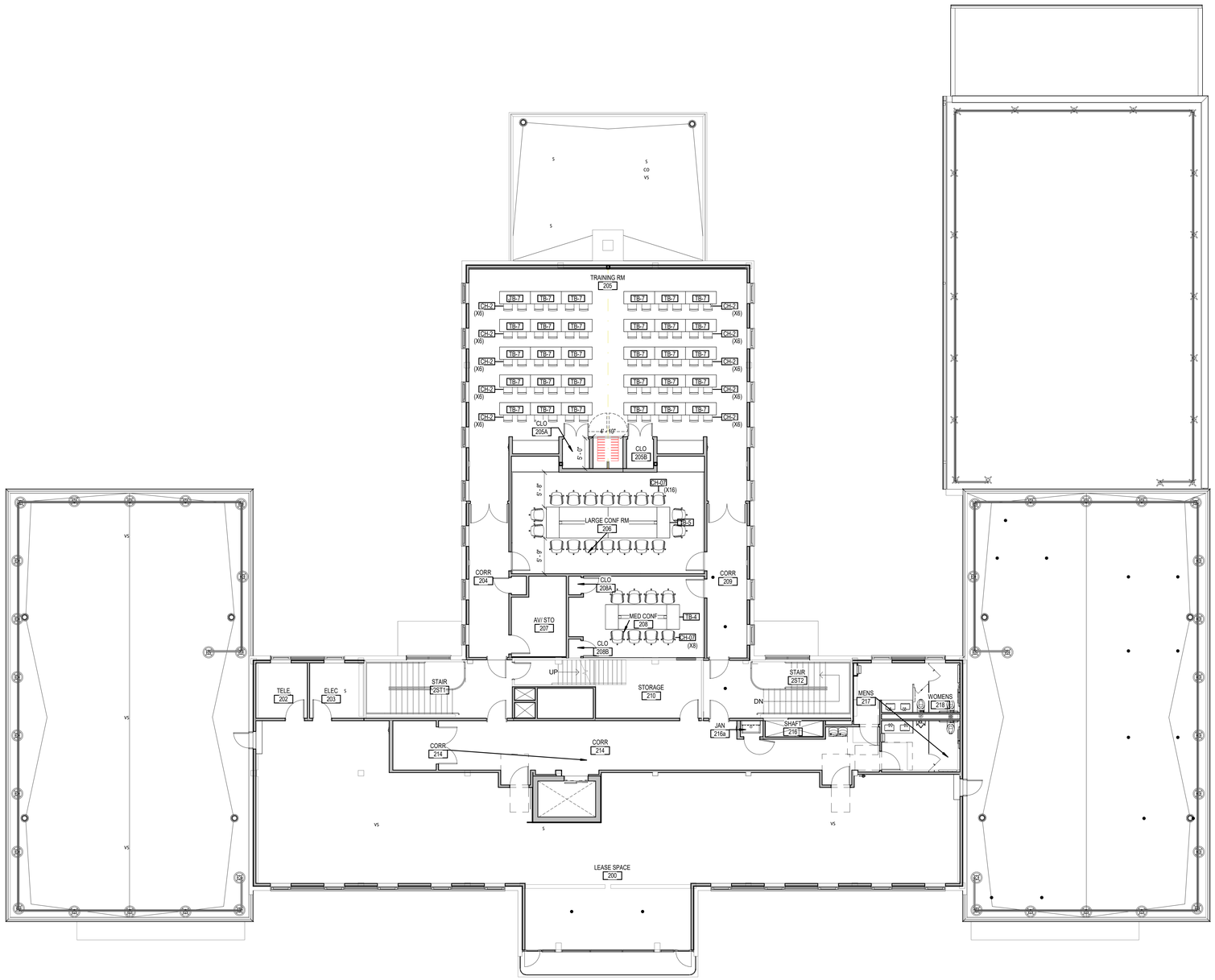
1ST FLOOR - FURNITURE PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER A-601
SHEET 61 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-A-434-0
REV NO. 0

PRINTED: 9/2/2026 11:45:48 AM
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1 2ND FLOOR FURNITURE PLAN
A-602 SCALE: 1/8" = 1'-0"

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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

2ND FLOOR - FURNITURE PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER A-602
SHEET 62 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-A-435-0
REV NO. 0

RESTROOM ACCESSORY SCHEDULE

TAG	TYPE	MANUFACTURER	SPECIFICATION	FINISH/COLOR	PROVIDED BY	INSTALLED BY	COMMENTS
RA-1	18" GRAB BAR	BOBRICK-18	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-2	42" GRAB BAR	BOBRICK-42	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-3	36" GRAB BAR	BOBRICK-36	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-4	48" GRAB BAR	BOBRICK-48	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-5	24" GRAB BAR	BOBRICK-24	B-6806 SERIES	<varies>	<varies>	<varies>	
RA-6	PAPER TOWEL DISPENSER / WASTE RECEPTACLE	Bobrick Washroom Equipment, Inc.	B-3942	<varies>	<varies>	<varies>	
RA-7	SOAP DISPENSER	Bobrick	B-878	STAINLESS	GC	GC	
RA-8	MIRROR	American Specialties Inc.	8287		GC	GC	REFER TO ELEVATION FOR DIMENSIONS
RA-9	MIRROR	Bobrick	B-2908 2436	SATIN STAINLESS	GC	GC	
RA-10	MIRROR-LIGATURE RESISTANT	Whitehall Manufacturing.	WH1863	WHITE	GC	GC	
RA-11	COAT HOOK	Bobrick	B-549	SATIN STAINLESS	GC	GC	
RA-13	BABY CHANGING STATION	Koala Kare	KB300-01SS	STAINLESS	GC	GC	
RA-14	RECESSED COMBO/WASTE PAPER DISPENSER	American Specialties Inc.	0467	SATIN STAINLESS	GC	GC	
RA-15	18" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001180	STAINLESS	GC	GC	
RA-16	36" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001360	STAINLESS	GC	GC	
RA-17	42" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001420	STAINLESS	GC	GC	
RA-18	ANTI LIG. TLT TISSUE DISPENSER	Whitehall Mfg.	WHD-TP	WHITE	GC	GC	
RA-19	ANTILIGATURE SOAP DISPENSER	sales@dudleyindustries.com	51032SS	SATIN STAINLESS	GC	TBD	
RA-20	LIGATURE RESISTANT PAPER TOWEL DISP.	Whitehall Mfg.	WH1181-2	WHITE	GC	GC	
RA-21	RECESSED TILE NICHE	SCHLUTER	KB 12 SN 305 508 AF		GC	GC	
RA-22	SHOWER CURTAIN ROD	Bobrick Washroom Equipment, Inc.	B-207 X 60	SATIN STAINLESS	GC	GC	
RA-23	TOILET TISSUE DISPENSER	Bobrick	B-30919	STAINLESS	GC	GC	

APPLIANCE SCHEDULE

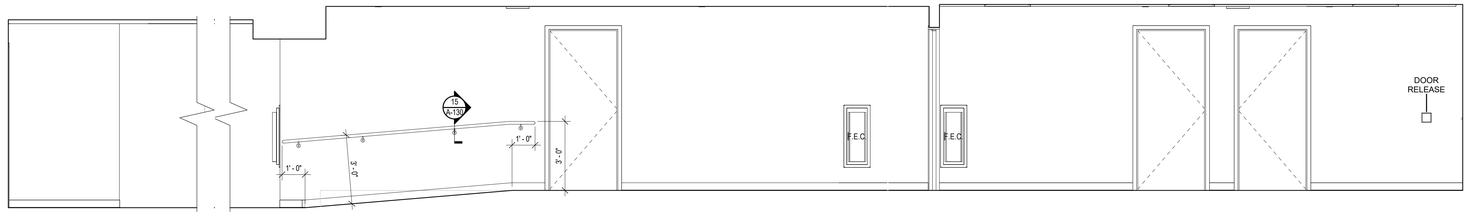
TAG	TYPE	MANUFACTURER	MODEL	COLOR/ FINISH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-1	FRIDGE	FISHER & PAYKEL	RF170WDLX5 N	STAINLESS			
EQ-2	COFFEE MAKER	KEURIG	K-2550	BLACK			
EQ-3	COUNTERTOP WATER COOLER	CULLIGAN QUENCH	Q8 COUNTERTOP	BLACK			
EQ-4	MICROWAVE	GE	GCST2OS1WSS	STAINLESS			
EQ-5	COPIER	BY CLIENT	TBD				

PLUMBING FIXTURE SCHEDULE

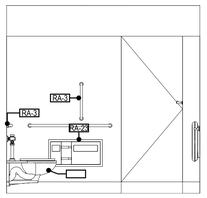
TAG	FIXTURE	MANUFACTURER	SPECIFICATION	COLOR/ FINISH	PROVIDED BY	INSTALLED BY	COMMENTS
P-1	<varies>	KOHLER Co.	K-3894-NA	<varies>	<varies>	<varies>	
P-2	<varies>	KOHLER Co.	K-22972-VS	<varies>	<varies>	<varies>	
P-3	WALL MOUNTED TOILET	AMERICAN STANDARD	2257.101	WHITE	GC	GC	MOUNT AT ACCESSIBLE HEIGHT; PAIRED WITH 1.28GPF SENSOR OPERATED AMERICAN STANDARD SELECTRONIC, ADA COMPLIANT, INCLUDE COMMERCIAL TOLIET SEAT - 5901.100
P-4	UNDERCOUNTER LAVATORY SINK	KOHLER Co.	K-2214-0	WHITE	GC	GC	
P-5	FAUCET	BOBRICK	B-8898	POLISHED CHROME	GC	GC	<varies>
P-6	SHOWER FAUCET	KOHLER Co.	K-TS395-4-CP	POLISHED CHROME	GC	GC	
P-7	URINAL	TOTO USA, Inc.	UT445U	WHITE	GC	GC	
P-9	WALL MOUNTED TOILET	Whitehall Mfg	WH2142-ADA-W-3-EGE10_10	WHITE	GC	GC	LIGATURE RESISTANT
P-10	SINK	Whitehall Mfg	WH3740	WHITE	GC	GC	LIGATURE RESISTANT
P-11	FAUCET	Whitehall	WH3375-SO	POLISHED CHROME	GC	GC	LIGATURE RESISTANT
P-12	<varies>	Elkay Manufacturing	LVRCGRNTL8C	<varies>	<varies>	<varies>	

INTERIOR ELEVATION LEGEND

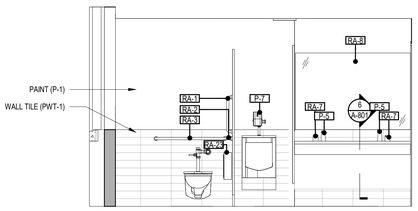
EQ-XX EQUIPMENT TAG
RA-XX TOILET ACCESSORY TAG
X PLAN KEYNOTE



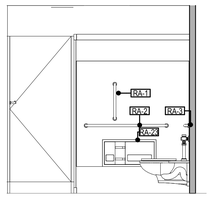
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A-700 SCALE: 3/8" = 1'-0"



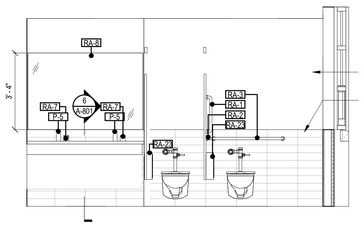
16a ELEV - MENS 118 - SIDE WALL
A-700 SCALE: 3/8" = 1'-0"



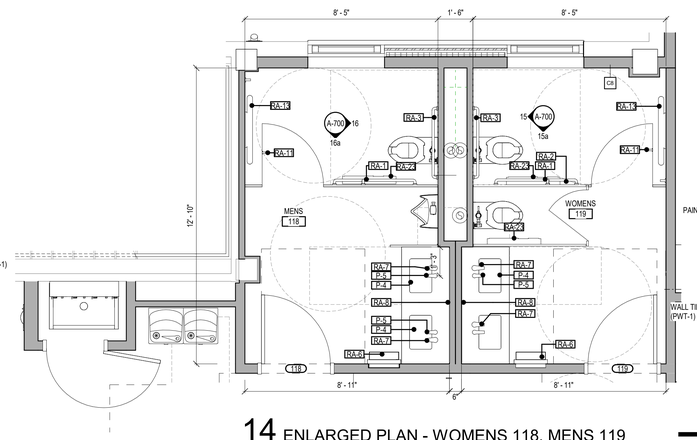
16 MENS 118 - EAST
A-700 SCALE: 3/8" = 1'-0"



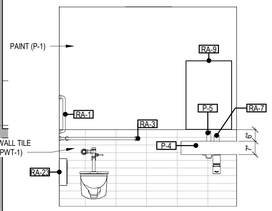
15a ELEV - WOMENS 119 - SIDE WALL
A-700 SCALE: 3/8" = 1'-0"



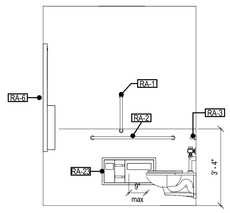
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A-700 SCALE: 3/8" = 1'-0"



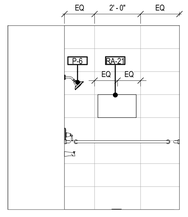
14 ENLARGED PLAN - WOMENS 118, MENS 119
A-700 SCALE: 3/8" = 1'-0"



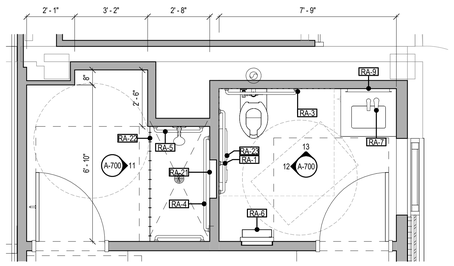
13 ELEV - TLT 181 - WET WALL
A-700 SCALE: 3/8" = 1'-0"



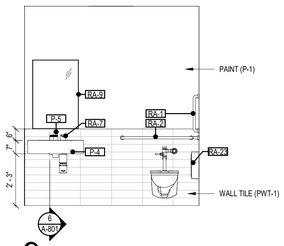
12 ELEV - TLT 181 - SIDE WALL
A-700 SCALE: 3/8" = 1'-0"



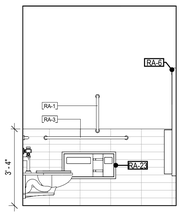
11 ELEV - SHOWER 184 - EAST WALL
A-700 SCALE: 3/8" = 1'-0"



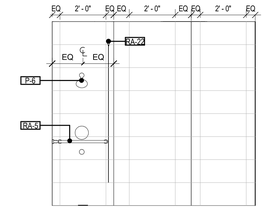
10 ENLARGED PLAN - 1ST FL. MENS 181 & 184 TOILETS/SHWR RM
A-700 SCALE: 3/8" = 1'-0"



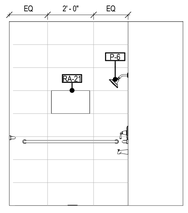
9 ELEV - TLT 186 - SIDE WALL
A-700 SCALE: 3/8" = 1'-0"



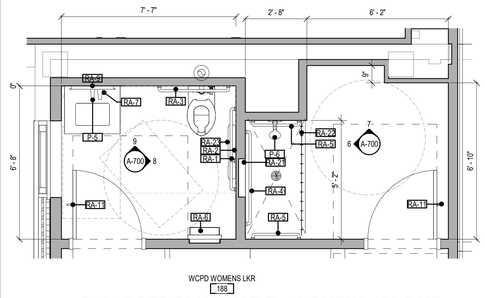
8 ELEV - TLT 186 - WET WALL
A-700 SCALE: 3/8" = 1'-0"



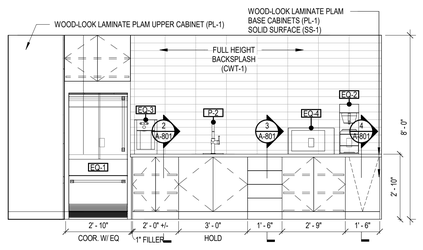
7 ELEV - SHOWER 187 - SIDE WALL
A-700 SCALE: 3/8" = 1'-0"



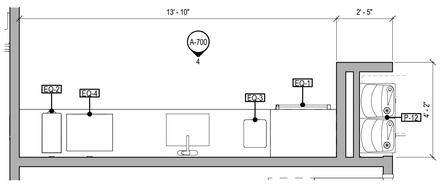
6 ELEV - SHOWER 187 - WET WALL
A-700 SCALE: 3/8" = 1'-0"



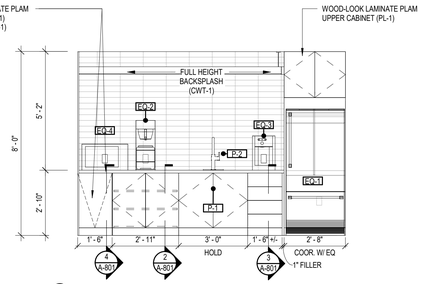
5 ENLARGED PLAN - 1ST FL. WOMENS 186 &187 TOILETS/SHWR RMS
A-700 SCALE: 3/8" = 1'-0"



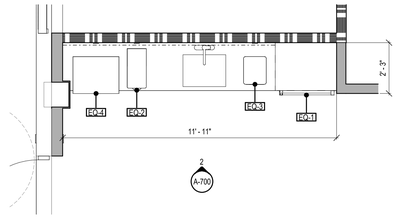
4 ELEVATION- LUNCH RM PANTRY
A-700 SCALE: 3/8" = 1'-0"



3 ENLARGED PLAN - LUNCH RM PANTRY
A-700 SCALE: 3/8" = 1'-0"



2 PANTRY ELEV - IDS TRAIN RM
A-700 SCALE: 3/8" = 1'-0"



1 ENLARGED PLAN - IDS TRAIN RM PANTRY
A-700 SCALE: 3/8" = 1'-0"

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ENLARGED PLANS & INTERIOR ELEVATIONS

CONTRACT NUMBER 25-532
SHEET NUMBER A-700
SHEET 63 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-A-436-0
REV NO. 0

RESTROOM ACCESSORY SCHEDULE

TAG	TYPE	MANUFACTURER	SPECIFICATION	FINISH/COLOR	PROVIDED BY	INSTALLED BY	COMMENTS
RA-1	18" GRAB BAR	BOBRICK-18	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-2	42" GRAB BAR	BOBRICK-42	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-3	36" GRAB BAR	BOBRICK-36	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-4	48" GRAB BAR	BOBRICK-48	B-6806 SERIES	SATIN STAINLESS	GC	GC	
RA-5	24" GRAB BAR	BOBRICK-24	B-6806 SERIES	<varies>	<varies>	<varies>	
RA-6	PAPER TOWEL DISPENSER / WASTE RECEPTACLE	Bobrick Washroom Equipment, Inc.	B-3942	<varies>	<varies>	<varies>	
RA-7	SOAP DISPENSER	Bobrick	B-878	STAINLESS	GC	GC	
RA-8	MIRROR	American Specialties Inc.	8287		GC	GC	REFER TO ELEVATION FOR DIMENSIONS
RA-9	MIRROR	Bobrick	B-2908 2436	SATIN STAINLESS	GC	GC	
RA-10	MIRROR-LIGATURE RESISTANT	Whitehall Manufacturing.	WH1863	WHITE	GC	GC	
RA-11	COAT HOOK	Bobrick	B-549	SATIN STAINLESS	GC	GC	
RA-13	BABY CHANGING STATION	Koala Kare	KB300-01SS	STAINLESS	GC	GC	
RA-14	RECESSED COMBO/WASTE PAPER DISPENSER	American Specialties Inc.	0467	SATIN STAINLESS	GC	GC	
RA-15	18" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001180	STAINLESS	GC	GC	
RA-16	36" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001360	STAINLESS	GC	GC	
RA-17	42" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001420	STAINLESS	GC	GC	
RA-18	ANTI LIG. TLT TISSUE DISPENSER	Whitehall Mfg.	WHD-TP	WHITE	GC	GC	
RA-19	ANTILIGATURE SOAP DISPENSER	sales@dudleyindustries.com	51032SS	SATIN STAINLESS	GC	TBD	
RA-20	LIGATURE RESISTANT PAPER TOWEL DISP.	Whitehall Mfg.	WH1181-2	WHITE	GC	GC	
RA-21	RECESSED TILE NICHE	SCHLUTER	KB 12 SN 305 508 AF		GC	GC	
RA-22	SHOWER CURTAIN ROD	Bobrick Washroom Equipment, Inc.	B-207 X 60	SATIN STAINLESS	GC	GC	
RA-23	TOILET TISSUE DISPENSER	Bobrick	B-30919	STAINLESS	GC	GC	

PLUMBING FIXTURE SCHEDULE

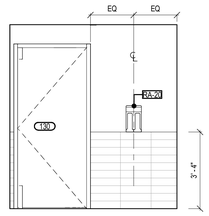
TAG	FIXTURE	MANUFACTURER	SPECIFICATION	COLOR/ FINISH	PROVIDED BY	INSTALLED BY	COMMENTS
P-1	<varies>	KOHLER Co.	K-3894-NA	<varies>	<varies>	<varies>	
P-2	<varies>	KOHLER Co.	K-22972-VS	<varies>	<varies>	<varies>	
P-3	WALL MOUNTED TOILET	AMERICAN STANDARD	2257.101	WHITE	GC	GC	MOUNT AT ACCESSIBLE HEIGHT; PAIRED WITH 1.28GPF SENSOR OPERATED AMERICAN STANDARD SELECTRONIC, ADA COMPLIANT, INCLUDE COMMERCIAL TOLIET SEAT - 5901.100
P-4	UNDERCOUNTER LAVATORY SINK	KOHLER Co.	K-2214-0	WHITE	GC	GC	
P-5	FAUCET	BOBRICK	B-8898	POLISHED CHROME	GC	GC	<varies>
P-6	SHOWER FAUCET	KOHLER Co.	K-TS395-4-CP	POLISHED CHROME	GC	GC	
P-7	URINAL	TOTO USA, Inc.	UT445U	WHITE	GC	GC	
P-9	WALL MOUNTED TOILET	Whitehall Mfg	WH2142-ADA-W-3-EGE10_10	WHITE	GC	GC	LIGATURE RESISTANT
P-10	SINK	Whitehall Mfg	WH3740	WHITE	GC	GC	LIGATURE RESISTANT
P-11	FAUCET	Whitehall	WH3375-SO	POLISHED CHROME	GC	GC	LIGATURE RESISTANT
P-12	<varies>	Elkay Manufacturing	LVRCGRNTL8C	<varies>	<varies>	<varies>	

APPLIANCE SCHEDULE

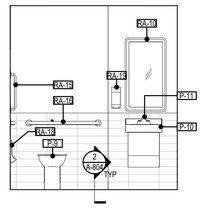
TAG	TYPE	MANUFACTURER	MODEL	COLOR/ FINISH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-1	FRIDGE	FISHER & PAYKEL	RF170WDLX5 N	STAINLESS			
EQ-2	COFFEE MAKER	KEURIG	K-2550	BLACK			
EQ-3	COUNTERTOP WATER COOLER	CULLIGAN QUENCH	Q8 COUNTERTOP	BLACK			
EQ-4	MICROWAVE	GE	GCST2S1IWSS	STAINLESS			
EQ-5	COPIER	BY CLIENT	TBD				

INTERIOR ELEVATION LEGEND

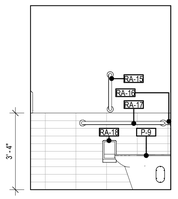
EQ-XX — EQUIPMENT TAG
RA-XX — TOILET ACCESSORY TAG
X — PLAN KEYNOTE



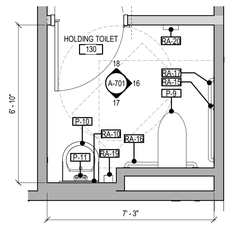
18 TOILET 130 - NORTH
A-701 SCALE: 3/8" = 1'-0"



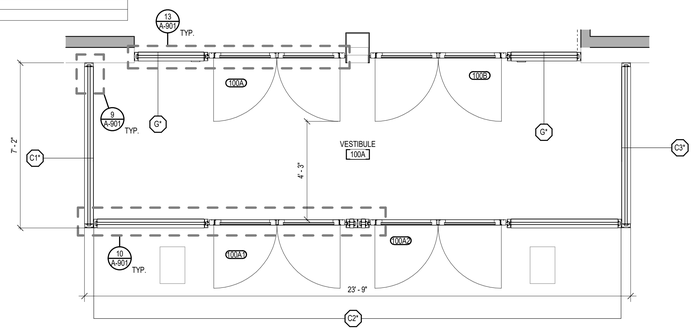
17 TOILET 130- SOUTH
A-701 SCALE: 3/8" = 1'-0"



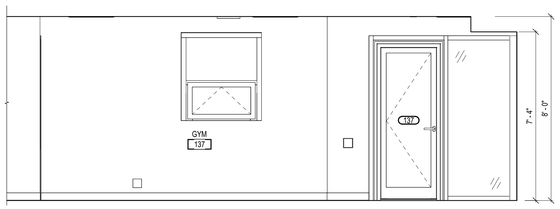
16 TOILET 130- EAST
A-701 SCALE: 3/8" = 1'-0"



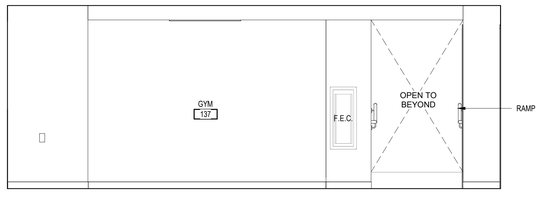
15 ENLARGED PLAN- TOILET 130
A-701 SCALE: 3/8" = 1'-0"



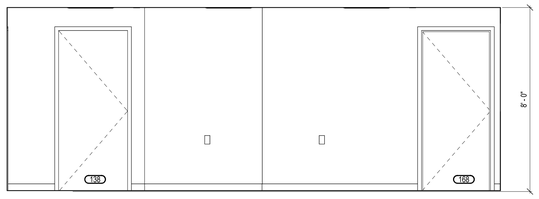
19 LOBBY 100A ENLARGED PLAN
A-701 SCALE: 3/8" = 1'-0"



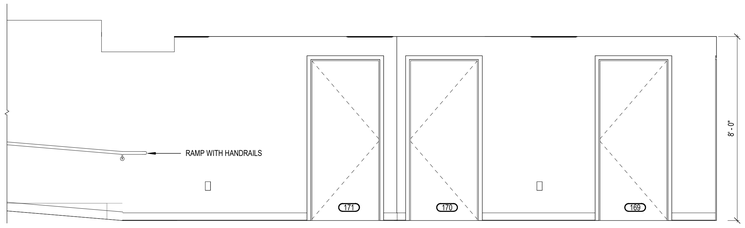
14 GYM 146 - PLAN EAST
A-701 SCALE: 3/8" = 1'-0"



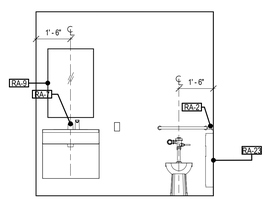
13 GYM 137 - PLAN WEST
A-701 SCALE: 3/8" = 1'-0"



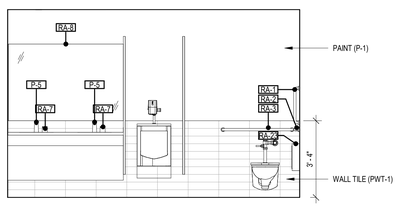
12 GYM 146 - PLAN SOUTH
A-701 SCALE: 3/8" = 1'-0"



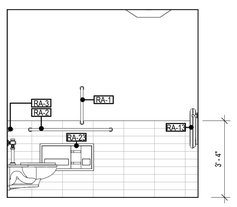
11 GYM 146 - PLAN NORTH
A-701 SCALE: 3/8" = 1'-0"



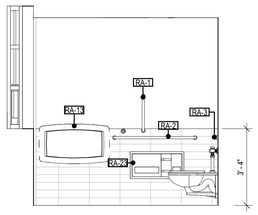
6B ELEV - TOILET 157 - S.
A-701 SCALE: 3/8" = 1'-0"



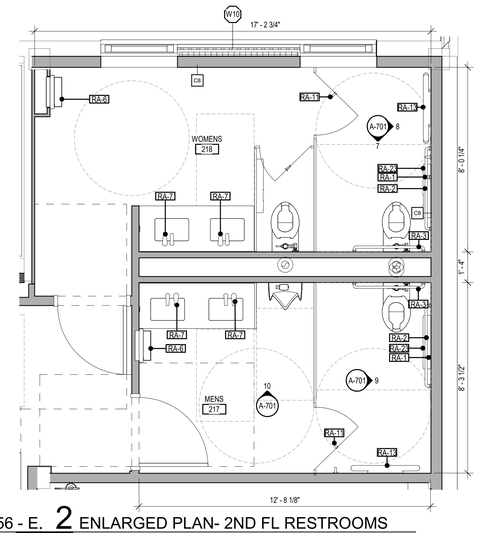
10 MENS 217 - WET WALL ELEV.
A-701 SCALE: 3/8" = 1'-0"

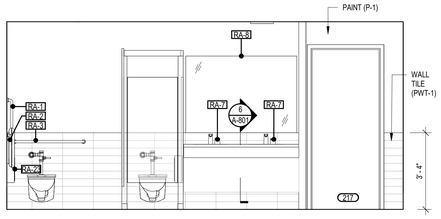


9 MENS 217 - SIDE WALL ELEV.
A-701 SCALE: 3/8" = 1'-0"

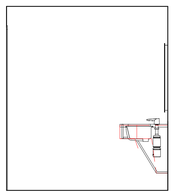


8 WOMENS 218 - SIDE WALL ELEV.
A-701 SCALE: 3/8" = 1'-0"

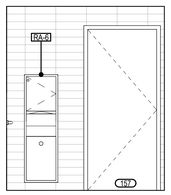




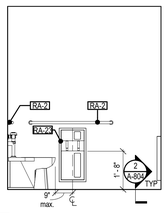
7 WOMENS 218 - WET WALL ELEVATION
A-701 SCALE: 3/8" = 1'-0"



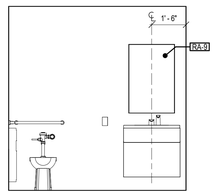
6A ELEV - TOILET 157 - E.
A-701 SCALE: 3/8" = 1'-0"



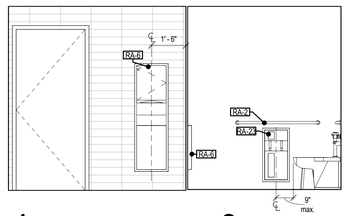
6 ELEV - TOILET 157 - N.
A-701 SCALE: 3/8" = 1'-0"



5 ELEV- TOILET 157 - W.
A-701 SCALE: 3/8" = 1'-0"



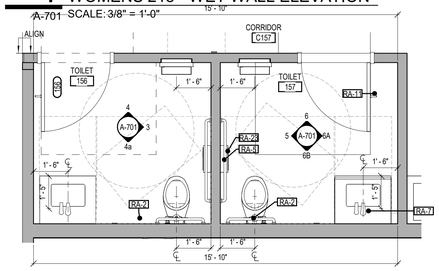
4a ELEV - TOILET 156 - S.
A-701 SCALE: 3/8" = 1'-0"



4 ELEV - TOILET 156 - N.
A-701 SCALE: 3/8" = 1'-0"

3 ELEV - TOILET 156 - E.
A-701 SCALE: 3/8" = 1'-0"

2 ENLARGED PLAN- 2ND FL RESTROOMS
A-701 SCALE: 3/8" = 1'-0"



1 ENLARGED PLAN- 1ST FL TOILETS
A-701 SCALE: 3/8" = 1'-0"

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RA-15	18" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001180	STAINLESS	GC	GC	
RA-16	36" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001360	STAINLESS	GC	GC	
RA-17	42" ANTI LIGATURE GRAB BAR	Bradley Corporation	SA70-001420	STAINLESS	GC	GC	
RA-18	ANTI LIG. TLT TISSUE DISPENSER	Whitehall Mfg.	WHD-TP	WHITE	GC	GC	
RA-19	ANTILIGATURE SOAP DISPENSER	sales@dudleyindustries.com	51032SS	SATIN STAINLESS	GC	TBD	
RA-20	LIGATURE RESISTANT PAPER TOWEL DISP.	Whitehall Mfg.	WH1181-2	WHITE	GC	GC	
RA-21	RECESSED TILE NICHE	SCHLUTER	KB 12 SN 305 508 AF		GC	GC	
RA-22	SHOWER CURTAIN ROD	Bobrick Washroom Equipment, Inc.	B-207 X 60	SATIN STAINLESS	GC	GC	
RA-23	TOILET TISSUE DISPENSER	Bobrick	B-30919	STAINLESS	GC	GC	

APPLIANCE SCHEDULE

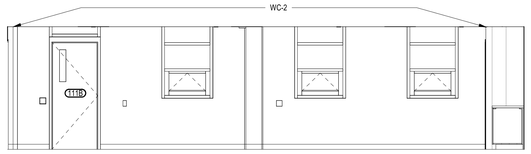
TAG	TYPE	MANUFACTURER	MODEL	COLOR/ FINISH	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-1	FRIDGE	FISHER & PAYKEL	RF170WDLX5 N	STAINLESS			
EQ-2	COFFEE MAKER	KEURIG	K-2550	BLACK			
EQ-3	COUNTERTOP WATER COOLER	CULLIGAN QUENCH	Q8 COUNTERTOP	BLACK			
EQ-4	MICROWAVE	GE	QCST2QS1WSS	STAINLESS			
EQ-5	COPIER	BY CLIENT	TBD				

PLUMBING FIXTURE SCHEDULE

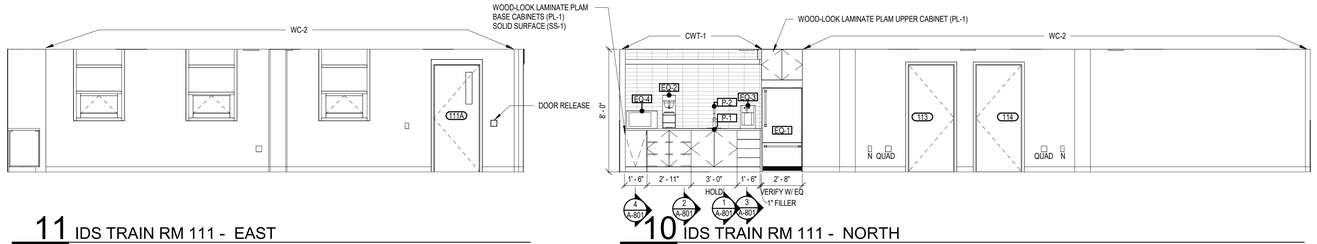
TAG	FIXTURE	MANUFACTURER	SPECIFICATION	COLOR/ FINISH	PROVIDED BY	INSTALLED BY	COMMENTS
P-1	<varies>	KOHLER Co.	K-3894-NA	<varies>	<varies>	<varies>	
P-2	<varies>	KOHLER Co.	K-22972-VS	<varies>	<varies>	<varies>	
P-3	WALL MOUNTED TOILET	AMERICAN STANDARD	2257.101	WHITE	GC	GC	MOUNT AT ACCESSIBLE HEIGHT; PAIRED WITH 1.28GPF SENSOR OPERATED AMERICAN STANDARD SELECTRONIC, ADA COMPLIANT, INCLUDE COMMERCIAL TOLIET SEAT - 5901.100
P-4	UNDERCOUNTER LAVATORY SINK	KOHLER Co.	K-2214-0	WHITE	GC	GC	
P-5	FAUCET	BOBRICK	B-8898	POLISHED CHROME	GC	GC	<varies>
P-6	SHOWER FAUCET	KOHLER Co.	K-TS395-4-CP	POLISHED CHROME	GC	GC	
P-7	URINAL	TOTO USA, Inc.	UT445U	WHITE	GC	GC	
P-9	WALL MOUNTED TOILET	Whitehall Mfg	WH2142-ADA-W-3-EGE10_10	WHITE	GC	GC	LIGATURE RESISTANT
P-10	SINK	Whitehall Mfg	WH3740	WHITE	GC	GC	LIGATURE RESISTANT
P-11	FAUCET	Whitehall	WH3375-SO	POLISHED CHROME	GC	GC	LIGATURE RESISTANT
P-12	<varies>	Elkay Manufacturing	LVRCGRNTL8C	<varies>	<varies>	<varies>	

INTERIOR ELEVATION LEGEND

EQ-XX — EQUIPMENT TAG
RA-XX — TOILET ACCESSORY TAG
X — PLAN KEYNOTE



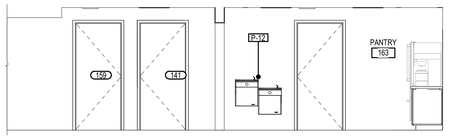
12 IDS TRAIN RM 111 - WEST
A-702 SCALE: 1/4" = 1'-0"



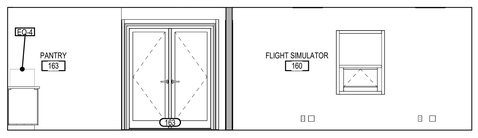
11 IDS TRAIN RM 111 - EAST
A-702 SCALE: 1/4" = 1'-0"

10 IDS TRAIN RM 111 - NORTH
A-702 SCALE: 1/4" = 1'-0"

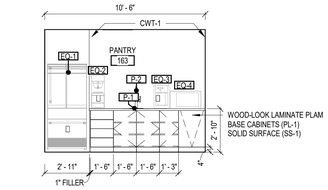
9 IDS TRAIN RM 111 - SOUTH
A-702 SCALE: 1/4" = 1'-0"



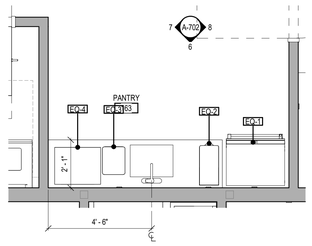
8 WORK SPACE 162 - PLAN EAST
A-702 SCALE: 1/4" = 1'-0"

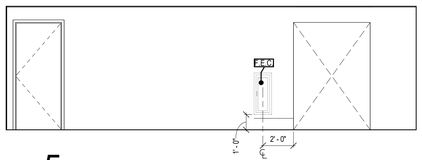


7 WORK SPACE 162 - PLAN WEST
A-702 SCALE: 1/4" = 1'-0"

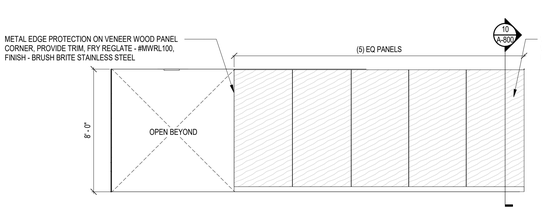


6 WORK SPACE 162 - PLAN SOUTH
A-702 SCALE: 1/4" = 1'-0"

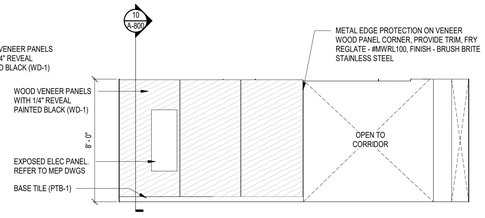




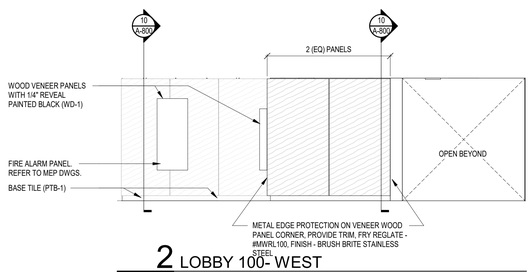
5 WORK SPACE 162 - PLAN NORTH
A-702 SCALE: 1/4" = 1'-0"



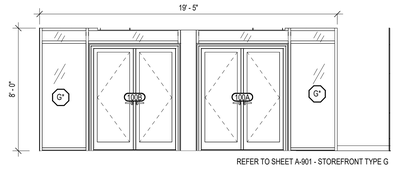
4 LOBBY 100- EAST
A-702 SCALE: 1/4" = 1'-0"



3 LOBBY 100- NORTH
A-702 SCALE: 1/4" = 1'-0"



2 LOBBY 100- WEST
A-702 SCALE: 1/4" = 1'-0"



1 LOBBY 100- SOUTH
A-702 SCALE: 1/4" = 1'-0"

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Revision	Date	Description

ISSUED FOR BID — DATE: 09/02/2026

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☐ AS BUILT - CHANGES AS NOTED
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DIVISION OF ENGINEERING

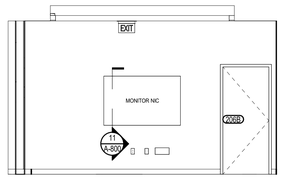
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

INTERIOR ELEVATIONS

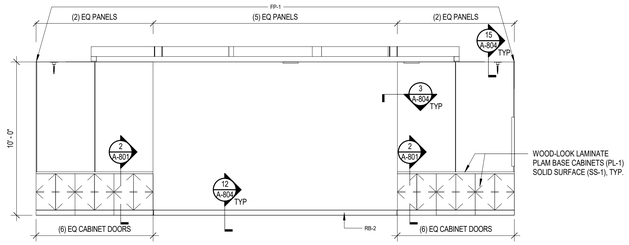
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SHEET 65 of 162	
SCALE: AS SHOWN	
DATE: 09/02/2026	
DPW FILE NO.: 48-08-A-438-0	REV NO.: 0

INTERIOR ELEVATION LEGEND

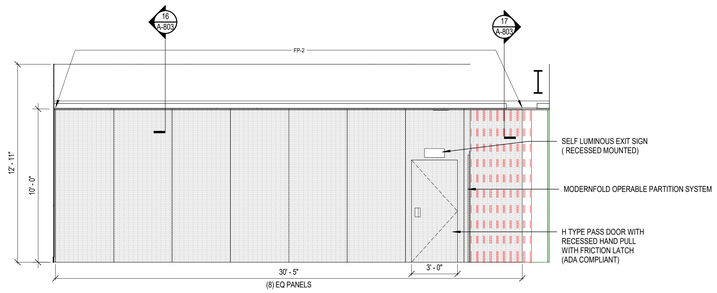
EQ-XX	EQUIPMENT TAG
RA-XX	TOILET ACCESSORY TAG
X	PLAN KEYNOTE



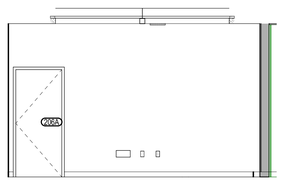
12 LARGE CONF RM 206 - EAST
A-703 SCALE: 1/4" = 1'-0"



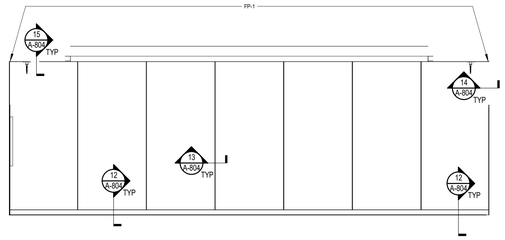
11 LARGE CONF RM 206 - NORTH
A-703 SCALE: 1/4" = 1'-0"



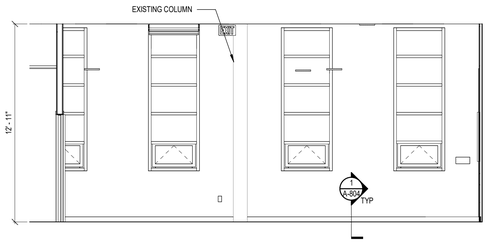
4 TRAINING RM 205 - EAST
A-703 SCALE: 1/4" = 1'-0"



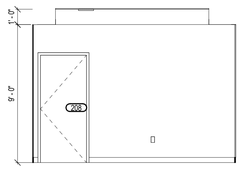
10 LARGE CONF RM 206 - WEST
A-703 SCALE: 1/4" = 1'-0"



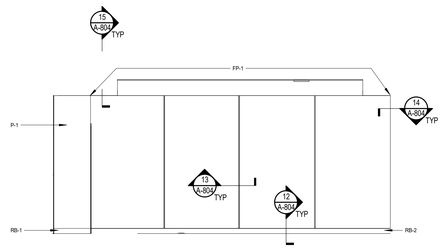
9 LARGE CONF RM 206 - SOUTH
A-703 SCALE: 1/4" = 1'-0"



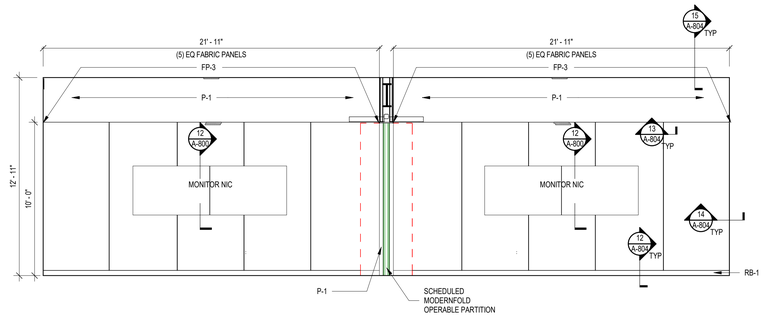
3 TRAINING RM 205 - WEST
A-703 SCALE: 1/4" = 1'-0"



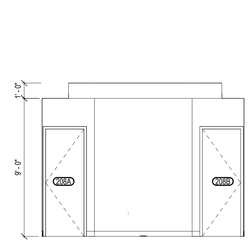
8 MED CONF 208 - EAST
A-703 SCALE: 1/4" = 1'-0"



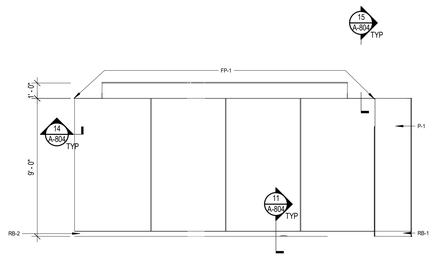
7 MED CONF 208 - NORTH
A-703 SCALE: 1/4" = 1'-0"



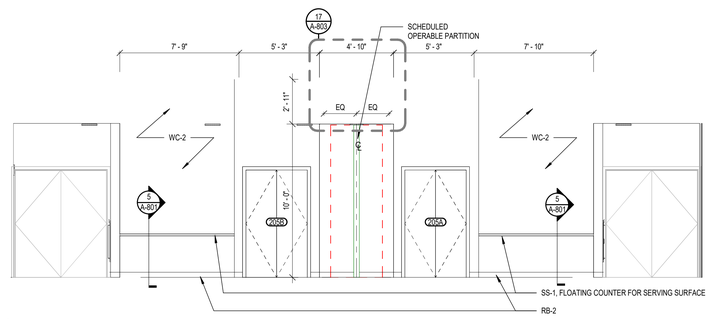
2 TRAINING RM 205 - NORTH
A-703 SCALE: 1/4" = 1'-0"



6 MED CONF 208 - WEST
A-703 SCALE: 1/4" = 1'-0"



5 MED CONF 208 - SOUTH
A-703 SCALE: 1/4" = 1'-0"



1 TRAINING RM 205 - SOUTH
A-703 SCALE: 1/4" = 1'-0"

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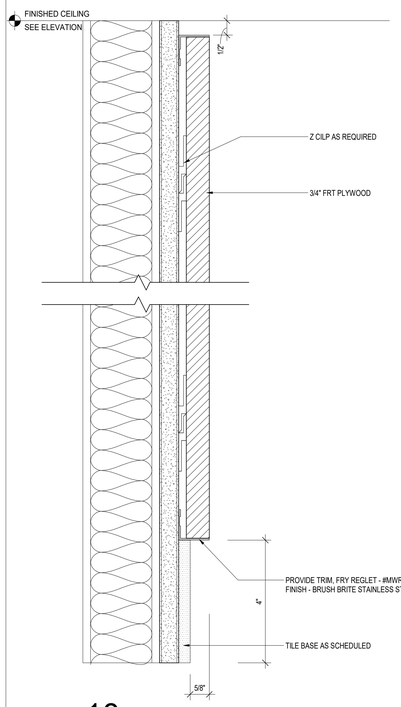
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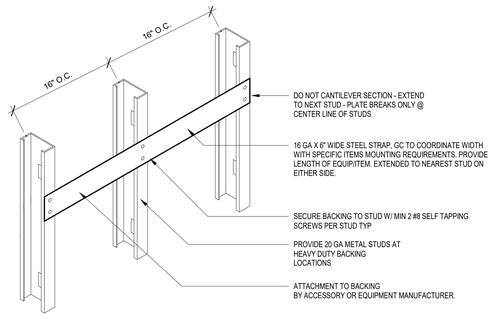
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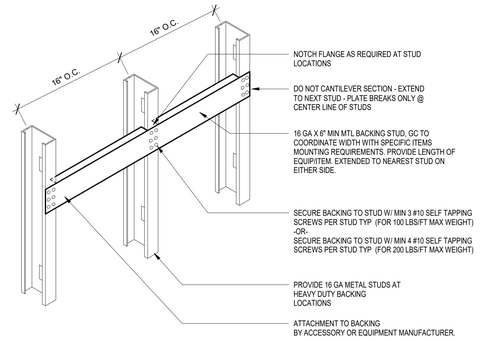
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SHEET NUMBER: A-703
SHEET 66 of 162
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DATE: 09/02/2026
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REV NO.: 0



10 WOOD PANELS
A-800 SCALE: 6" = 1'-0"

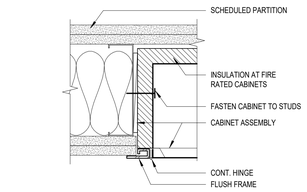


STANDARD DUTY BACKING

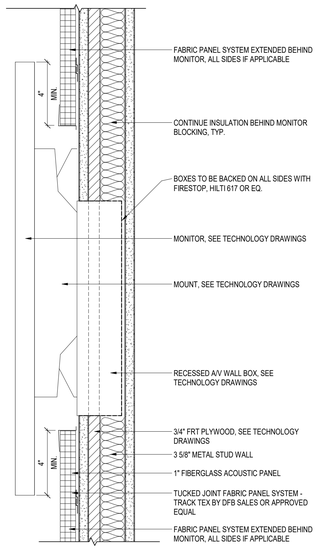


HEAVY DUTY BACKING

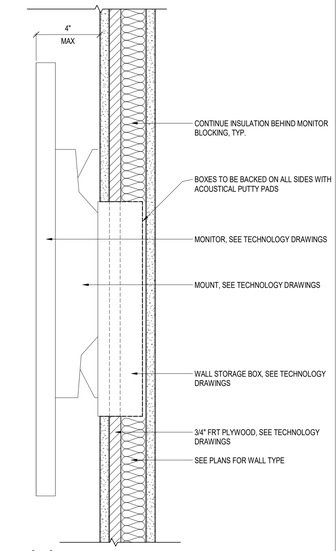
13 TYPICAL PARTITION DETAIL - BACKING DETAILS
A-800 SCALE: 1 1/2" = 1'-0"



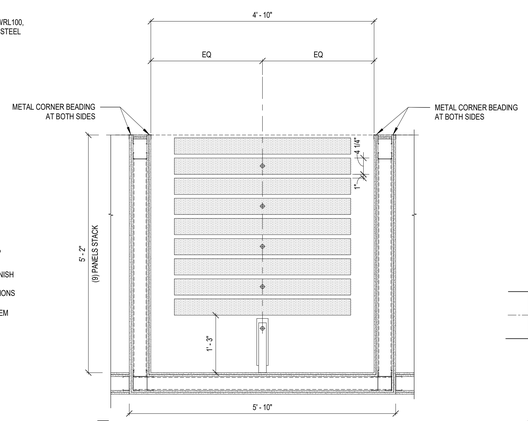
18 TYPICAL FEC - FLUSH
A-800 SCALE: 3" = 1'-0"



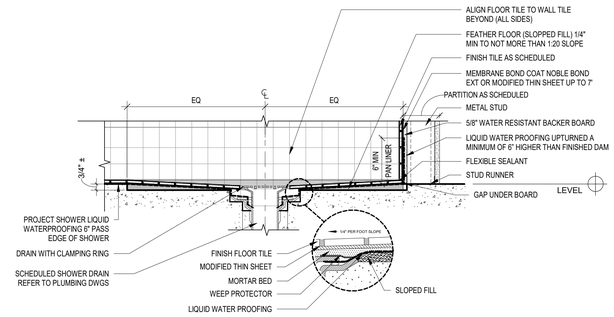
12 MONITOR MOUNT DETAIL AT FABRIC PANEL
A-800 SCALE: 3" = 1'-0"



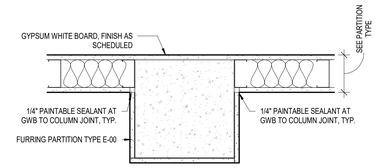
11 MONITOR MOUNT DETAIL
A-800 SCALE: 3" = 1'-0"



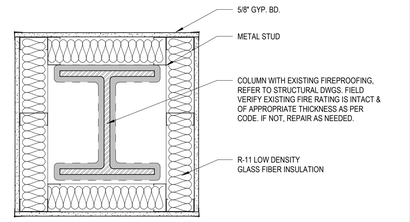
5 DETAIL- OPERABLE PARTITION POCKET
A-800 SCALE: 3/4" = 1'-0"



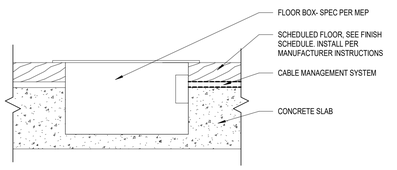
9 SHOWER PAN DETAIL
A-800 SCALE: 1 1/2" = 1'-0"



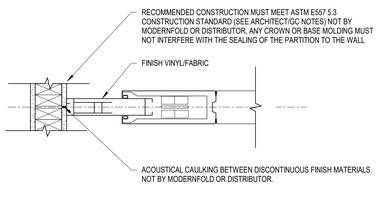
8 TYPICAL CONC. COLUMN AND PARTITION PLAN DETAIL
A-800 SCALE: 1 1/2" = 1'-0"



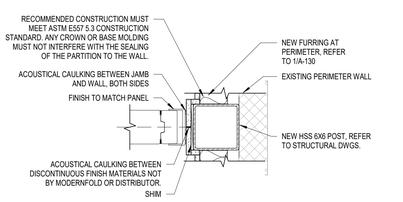
7 TYPICAL STL. COLUMN ENCLOSURE
A-800 SCALE: 1 1/2" = 1'-0"



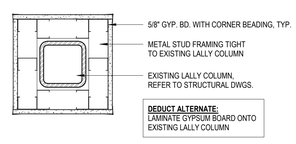
6 FLOOR DETAIL - FLOOR BOX
A-800 SCALE: 6" = 1'-0"



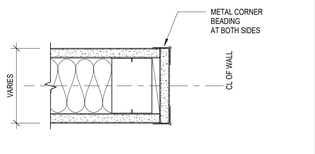
4 DETAIL - OPERABLE PARTITION WITH NOMINAL FIXED JAMB
A-800 SCALE: 1 1/2" = 1'-0"



3 DETAIL - OPERABLE PARTITION WITH NOMINAL FIXED JAMB
A-800 SCALE: 1 1/2" = 1'-0"



2 TYPICAL LALLY COLUMN ENCLOSURE
A-800 SCALE: 1 1/2" = 1'-0"



1 TYPICAL GYPSUM FRAMED END
A-800 SCALE: 3" = 1'-0"

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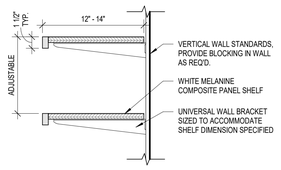
WESTCHESTER COUNTY, NEW YORK
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ARCHITECTURAL DETAILS

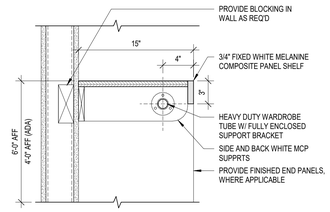
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25-532	A-800

SHEET 67 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-440-0
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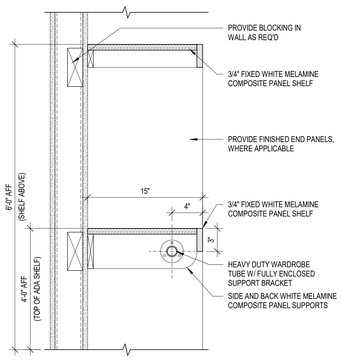
NOTE: STANDARDS TO BE 36" MAX APART W/ 42" MAX SHELF LENGTH WITH WEIGHT CAPACITY OF 200 LBS. PER SHELF.

17 ADJ. SHELVING - WALL STANDARDS
A-801 SCALE: 1 1/2" = 1'-0"

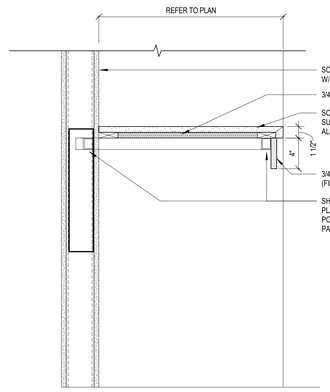


NOTE: 50% OF COAT CLOSETS TO BE INSTALLED AT ADA HEIGHT

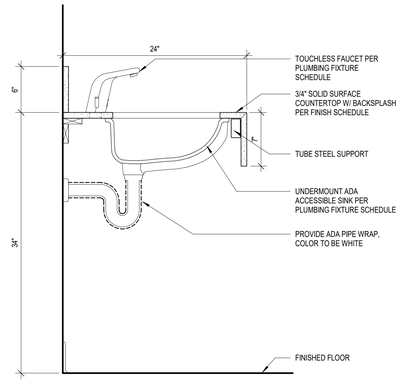
16 COAT ROD - SHELF
A-801 SCALE: 1 1/2" = 1'-0"



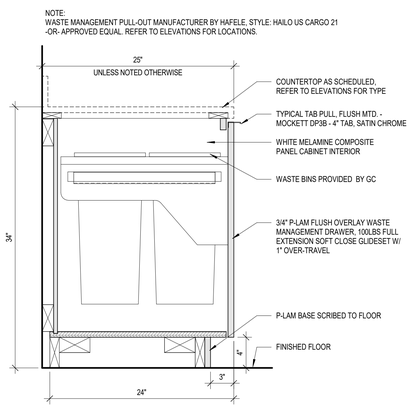
11 COAT ROD - ADA - SHELF ABV
A-801 SCALE: 1 1/2" = 1'-0"



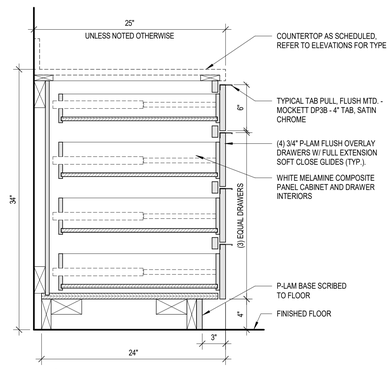
5 COUNTER - FLOATING
A-801 SCALE: 1 1/2" = 1'-0"



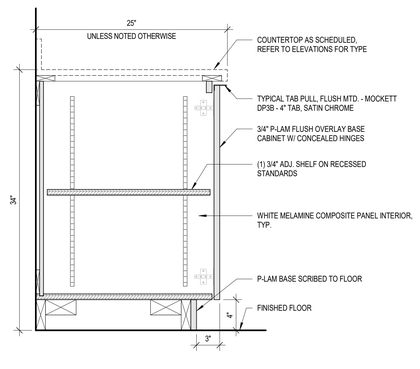
6 SINK BASE - RESTROOM SINK
A-801 SCALE: 1 1/2" = 1'-0"



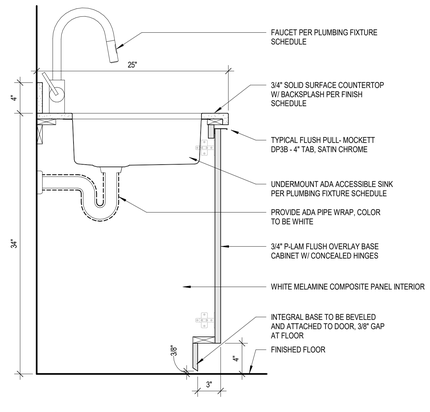
4 BASE CABT - WASTE / REC DRAWER - 18"W
A-801 SCALE: 1 1/2" = 1'-0"



3 BASE WITH 4 DRAWERS
A-801 SCALE: 1 1/2" = 1'-0"



2 BASE - 1 DOOR
A-801 SCALE: 1 1/2" = 1'-0"



1 SINK BASE - ADA SINK - INTERGAL KICK
A-801 SCALE: 1 1/2" = 1'-0"

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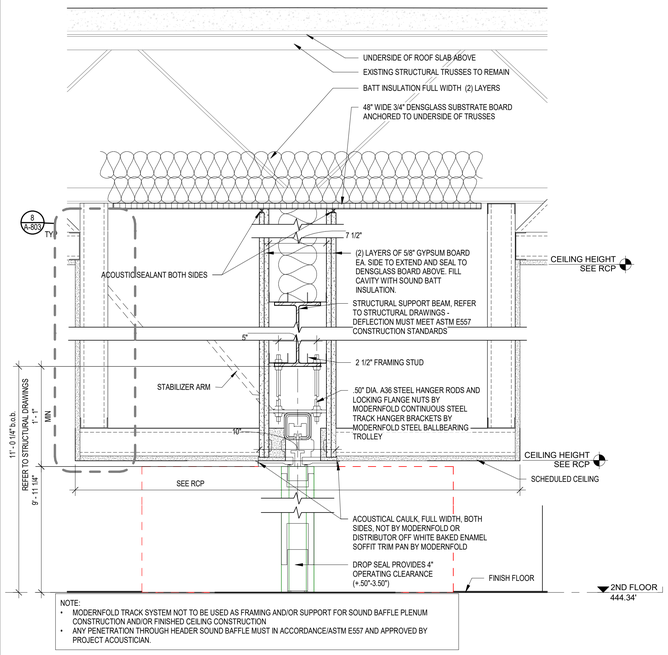
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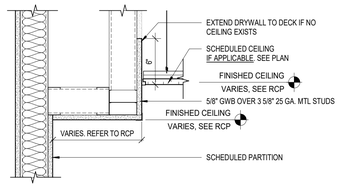
MILLWORK DETAILS

CONTRACT NUMBER: 25-532
SHEET NUMBER: A-801
SHEET 68 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-441-0
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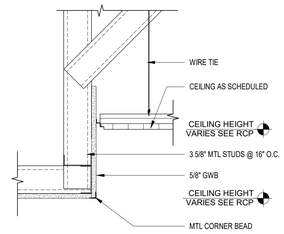
16 TYP. SECTION - MODERNFOLD OPERABLE PARTITION

A-803 NOT TO SCALE



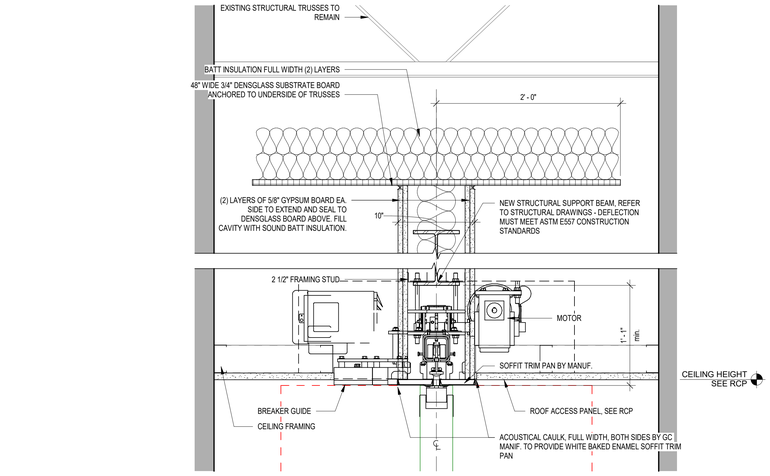
14 TYPICAL CEILING DETAIL - SOFFIT EDGE

A-803 SCALE: 1 1/2" = 1'-0"



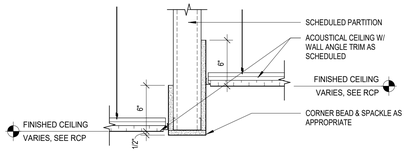
13 CEILING - TYP GWB w/ TILE ABOVE

A-803 SCALE: 1 1/2" = 1'-0"



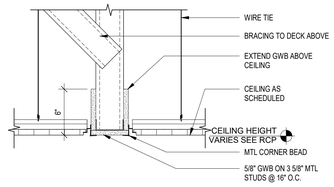
17 SECTION - MODERNFOLD OPERABLE PARTITION @ FOLDING POCKET

A-803 NOT TO SCALE



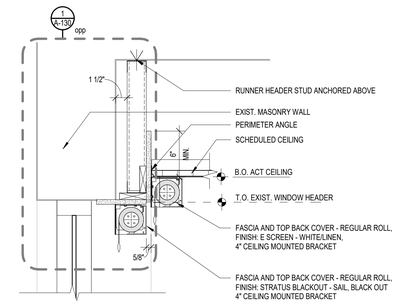
12 BULKHEAD AT STEPPED ACT

A-803 SCALE: 1 1/2" = 1'-0"



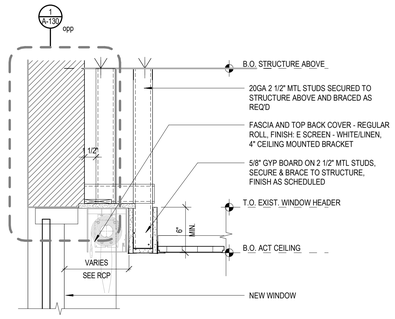
11 CEILING - TYP GWB FLUSH HEADER

A-803 SCALE: 1 1/2" = 1'-0"



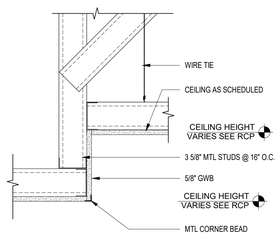
10 TYPICAL DOUBLE SHADE DETAIL - WALL & CEILING MTD

A-803 SCALE: 1 1/2" = 1'-0"



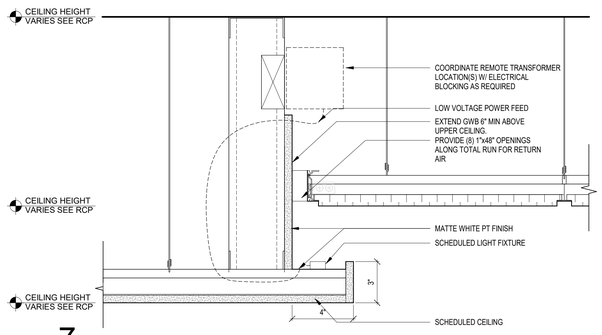
9 GWB TRANSITION AT WINDOW HEAD

A-803 SCALE: 1 1/2" = 1'-0"



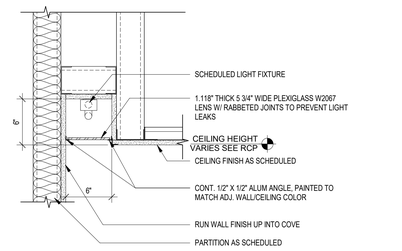
8 CEILING - TYP GWB w/ GWB ABOVE

A-803 SCALE: 1 1/2" = 1'-0"



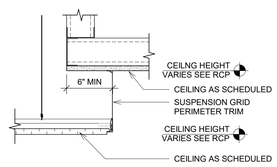
7 LIGHT COVE WITH ACT CEILING ABOVE

A-803 SCALE: 3" = 1'-0"



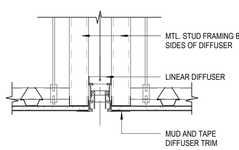
6 CEILING - TYP PERIMETER LIGHT COVE

A-803 SCALE: 1 1/2" = 1'-0"



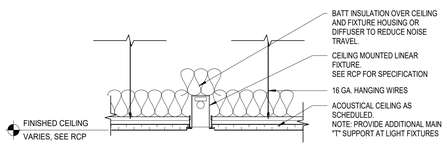
5 CEILING - TYP TILE TRANSITION TO GWB ABOVE1

A-803 SCALE: 1 1/2" = 1'-0"



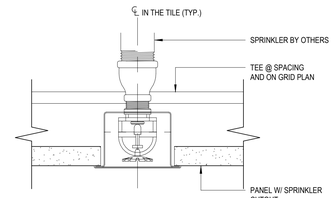
4 CEILING- TAPED IN LINEAR DIFFUSER TYP.

A-803 SCALE: 1 1/2" = 1'-0"



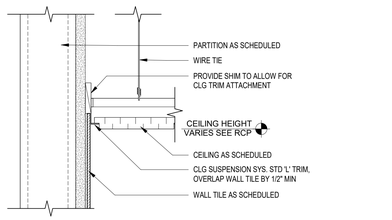
3 CEILING - LINEAR LIGHT IN GRID

A-803 SCALE: 1 1/2" = 1'-0"



2 CEILING - SPRINKLER CUT-OUT AT ACT

A-803 SCALE: 6" = 1'-0"



1 CEILING - TYP. ACT TO WALL TILE

A-803 SCALE: 3" = 1'-0"

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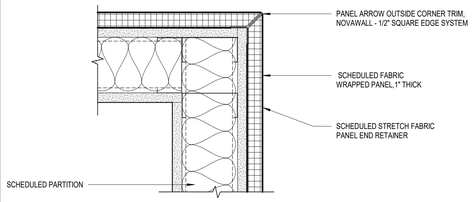
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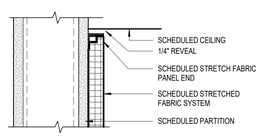
BUILDING 1 REHABILITATION
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CEILING DETAILS

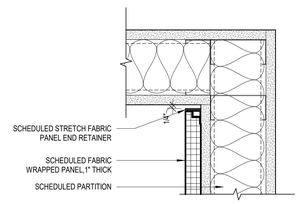
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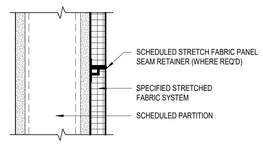
3 SFS DETAIL - WALL OUTSIDE CORNER
A-804 SCALE: 3" = 1'-0"



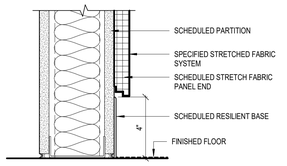
15 SFS DETAIL - CEILING
A-804 SCALE: 3" = 1'-0"



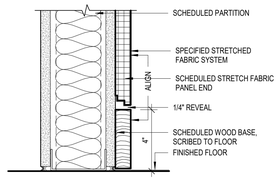
14 SFS DETAIL - WALL CORNER
A-804 SCALE: 3" = 1'-0"



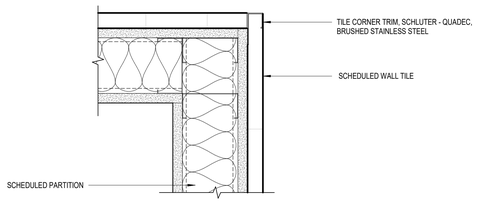
13 SFS DETAIL - ADJOINING PANEL
A-804 SCALE: 3" = 1'-0"



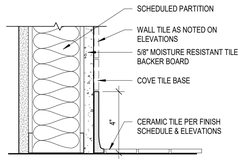
12 SFS DETAIL - RESILIENT BASE
A-804 SCALE: 3" = 1'-0"



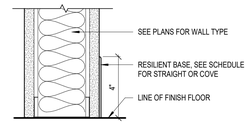
11 SFS DETAIL - FLUSH WOOD BASE
A-804 SCALE: 3" = 1'-0"



4 SFS DETAIL - WALL TILE OUTSIDE CORNER
A-804 SCALE: 3" = 1'-0"



2 BASE DETAIL - COVE TILE BASE
A-804 SCALE: 3" = 1'-0"



1 BASE DETAIL - RESILIENT BASE
A-804 SCALE: 3" = 1'-0"

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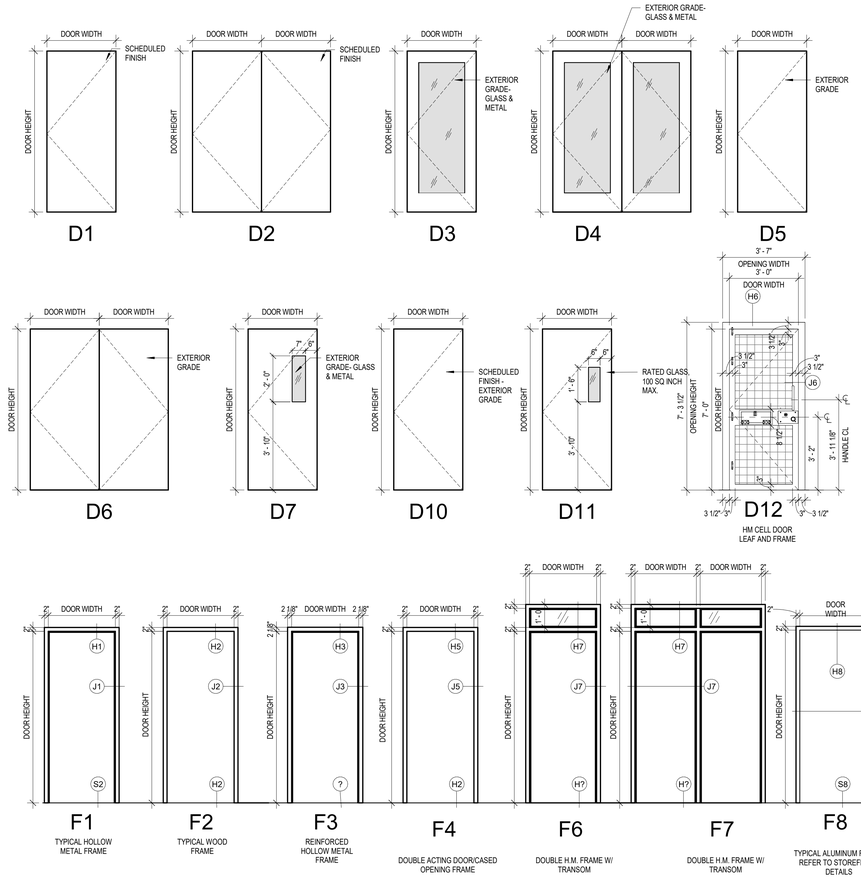
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FINISH DETAILS

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DOOR SCHEDULE

TAG	WIDTH	HEIGHT	DOOR THICKNESS	TYPE	FINISH	MATERIAL	Glazing	FRAME TYPE	FRAME MATERIAL	HARDWARE SET	FIRE RATING	COMMENTS
BOILER FLOOR												
116	3' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	6	90 MIN	RATED DOOR/FRAME
B02B	3' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	6	90 MIN	RATED DOOR/FRAME
B02C	3' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	6	90 MIN	RATED DOOR/FRAME
GRADE												
117	6' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	7	90 MIN	RATED DOOR/FRAME, VIF DOOR HEIGHT
0.1ST LEVEL												
163	5' - 11 3/4"	6' - 1"	1 3/4"	D4	PC	AL	GL-2	-	AL	1D		CARD READER,VERIFY W/ OPENING
LEVEL 0.5-ADD												
138	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2C		
141	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
143	4' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	3C		
144	4' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	3C		
156	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	11		
157	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	11		
158	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
159	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
160	3' - 0"	7' - 0"	1 3/4"	D1		HM		F1	HM			
161	3' - 0"	7' - 0"	1 3/4"	D1		HM		F1	HM	14		
168	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
169	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
170	3' - 0"	7' - 0"	1 3/4"	D1		HM		F1	HM	13		
171	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
1ST FLOOR												
1ST1A	3' - 0"	7' - 0"	1 3/4"	D11		HM		F5	HM	1A	45 MIN	
1ST1B	3' - 6"	7' - 0"	1 3/4"	D7	PC	AL	GL-2	-	AL	1B	45 MIN	CARD READER
1ST1D	2' - 11 3/8"	7' - 6 1/8"	1 1/8"									
1ST2A	3' - 0"	7' - 0"	1 3/4"	D11	P1	HM		F5	HM	1A	45 MIN	
1ST2B	3' - 6"	7' - 0"	1 3/4"	D7	PC	AL	GL-2	-	AL	1B	45 MIN	CARD READER
100A	6' - 0"	7' - 0"	1 3/4"	D4	PC	AL	GL-2	-	AL	1C		CARD READER
100A1	6' - 0"	7' - 0"	1 3/4"	D4	PC	AL	GL-2	-	AL	1C		
100A2	6' - 0"	7' - 0"	1 3/4"	D4	PC	AL	GL-2	-	AL	1D		CARD READER, POWER DOOR OPERATOR
100B	6' - 0"	7' - 0"	1 3/4"	D4	PC	AL	GL-2	-	AL	1D		CARD READER, POWER DOOR OPERATOR
101	3' - 0"	7' - 0"	1 3/4"	D1		HM		F1	HM		45 MIN	
102	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2A		
103	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F5	HM	2A	45 MIN	
104	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	19		
105A	6' - 0"	7' - 0"	1 3/4"	D4	PC	AL	GL-2	-	AL	1C		CARD READER
105B	6' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F1	HM	3B		CARD READER
105C	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2B		CARD READER
107	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	19		CARD READER
108	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	19		CARD READER
108A	6' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F5	HM	17		
108B	6' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F5	HM	17		
109	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	14		
110	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	14		
111A	3' - 0"	7' - 0"	1 3/4"	D7	P1	HM		F5	HM	2B		CARD READER, VIF EXIST. MO FOR TRANSOM
111B	3' - 0"	7' - 0"	1 3/4"	D7	P1	HM		F5	HM	2B		CARD READER, VIF EXIST. MO FOR TRANSOM
112	6' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F5	HM	3A	45 MIN	VIF EXIST. MO FOR TRANSOM
113	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
114	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
115	<varies>	7' - 0"	1 3/4"	D2	P1	HM		F5	HM	3A		VIF EXIST. MO FOR TRANSOM
118	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	10		
119	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	10		
123	3' - 0"	7' - 0"	1 3/4"	D3	PC	AL	GL-2	F1	AL	1B		CARD READER
124	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	14		
125	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	14		
126	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	14		
127	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2A		
128	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	19		CARD READER
129	3' - 0"	7' - 0"	1 3/4"	D12	P1	HM		F3	HM	15		SECURITY DOOR
130	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F4	HM	18		DOUBLE ACTING DOOR - FRAME RELEASE
148	2' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2C		
164	3' - 0"	7' - 0"	1 3/4"	D7	P1	HM	GL-2	F3	HM	12		CARD READER ON BOTH SIDES - 14ga at cell suite prefered - WIRED REINFORCED GLASS
180	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	19		
181	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	11		
184	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	11		
186	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	11		
187	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	11		
188	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	14		
2ND FLOOR												
1ST1E	2' - 11 3/8"	7' - 6 1/8"	1 1/8"									
2ST1A	3' - 0"	7' - 0"	1 3/4"	D11	P1	HM	GL-2	F5	HM	6	45 MIN	RIM EXIT
2ST1B	3' - 0"	7' - 0"	1 3/4"	D11	P1	HM	GL-2	F5	HM	6	45 MIN	RIM EXIT
2ST1C	2' - 8"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	6		VIF EXISTING M.O.
2ST2A	3' - 0"	7' - 0"	1 3/4"	D11	P1	HM	GL-2	F5	HM	6	45 MIN	RIM EXIT
2ST2B	3' - 0"	7' - 0"	1 3/4"	D11	P1	HM	GL-2	F5	HM	6	45 MIN	RIM EXIT
200A	2' - 6"	7' - 0"	1 3/4"	D10	P1	HM		F1	HM	2A		VIF EXISTING M.O.
200B	2' - 6"	7' - 0"	1 3/4"	D10	P1	HM		F1	HM	2A		VIF EXISTING M.O.
200C	3' - 0"	7' - 0"	1 3/4"	D3	PC	AL	GL-2	F1	AL	1A		VIF EXISTING HEIGHT
200D	3' - 0"	7' - 0"	1 3/4"	D3	PC	AL	GL-2	F1	AL	1A		VIF EXISTING HEIGHT
202	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2A	-	
203	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F5	HM	2A	45 MIN	
204	6' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F5	HM	16	90 MIN	RIM EXIT
205A	4' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F2	HM	17		
205B	4' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F2	HM	17		
206A	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
206B	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
207A	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2A		
207B	2' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2A		
208	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	13		
208A	2' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	5		
208B	2' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	5		
209	6' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F5	HM	16	90 MIN	RIM EXIT
210	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2A		
214A	<varies>	<varies>	1 3/4"	D2	P1	HM	<varies>	<varies>	HM	<varies>	<varies>	
214B	3' - 0"	7' - 0"	1 3/4"	D2	P1	HM		F1	HM	19		
216A	2' - 6"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	2C		
217	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	10		
218	3' - 0"	7' - 0"	1 3/4"	D1	P1	HM		F1	HM	10		
T.O. LOW ROOF SLAB												
1ST1	2' - 6"	7' - 0"	1 3/4"	D1		HM		F1	HM			

DOOR HARDWARE SPECIFICATIONS

TAG	DESCRIPTION	MANUFACTURER	MODEL	FINISH	COMMENTS
ACCESSORIES					
AC1	SILENCER	ROCKWOOD	608	GRAY RUBBER	3 PER DOOR
AC2	OCCUPIED/UNOCCUPIED LATCH BOLT	SCHLAGE	B571	MATCH LOCKSET	
AC3	KICK PLATE	ROCKWOOD	K1050	US26D	ON EACH SIDE OF DOOR.
AC4	PEEP HOLE	ROCKWOOD	622	DCRM	
AC5	COAT HOOK	ROCKWOOD	RM820	US32D	48" AFF
AC6	FOOD/CUFF PASS OPENING DOOR AND LOCK	DDS	7270 FOR #17 SNAPLOCK		7270 SideWinder Food/Cuff Pass Door - CELL DOOR
AC7	AUTO FLUSH-BOLTS	IVES	FB31P	US32D	
AC8	WEATHERSTRIP	PEMKO	369AP		
CLOSER					
CL1	CLOSER	STOREFRONT STANDARD	STANDARD CLOSER		
CL2	CLOSER	NORTON DORMA	8501 TS93 SERIES	US65	SURFACE MOUNTED
CL3	POWER OPERATOR	NORTON	6000 SERIES	US28	AUTOMATIC
CL4	CLOSER/COODINATOR	DORMA	GSR SERIES	630	
DOOR STOP					
DS1	DOOR STOP	ROCKWOOD	RM 446	US26D	FLOOR MOUNTED
HINGE					
H1	HINGE	STOREFRONT STANDARD	STANDARD HINGE	626	
H2	HINGE	HAGER	BB1168	626	4 1/2 X 4 1/2
H3	CONCEALED BEARING INSTITUTIONAL HINGE	McKINNEY	HTA386	630 SATIN S.S.	HOLDING CELL DOOR, 4 PER DOOR
H4	WIRED HINGE	HAGER	WTBB1168 ETW	626	24VDC, 8 WIRE
H5	OFFSET PIVOT	RIXSON	117-1/2	626	OFFSET FLOOR PIVOT
LOCKSET					
LK1	LOCKSET	SCHLAGE	L9080-LAT-626	626	LOCKSET - COORDINATE FOR INSTALLATION IN STOREFRONT
LK2	LOCKSET	SCHLAGE	L9080-LAT-626	626	STOREROOM
LK3	LOCKSET	SCHLAGE	L9485-LAT-626	626	XL11-5577 PRISON FUNCTION
LK4	LOCKSET	SCHLAGE	L9090EU-LAT-626	626	FAIL SAFE - ELECTRIFIED STOREROOM
LK5	LOCKSET	SCHLAGE	L9090EL-LAT-626	626	FAIL SECURE - ELECTRIFIED STOREROOM
LK6	DUMMY TRIM	SCHLAGE	L0170-LAT-626	626	DUMMY TRIM - 1 PER DOOR
LK7	PRIVACY LOCKSET	SCHLAGE	L9496P 17A	626	PRIVACY
LK8	EXIT DEVICE	VON DURPIN	98/99F SERIES	626AM	EXIT DEVICE. FIRE RATED
LK8A	EXIT DEVICE	VON DURPIN	98/99	626	DOGGING OPTION
LK9	LOCKSET	SCHLAGE	L9080-LAT-626	626	OFFICE
LK10	PASSAGE SET	SCHLAGE	L9010-LAT-626	626	CONFERENCE, LOCKERS, MULTI-STALL RESTRMS
LK11	LOCKSET	SCHLAGE	L/LV9092EL	626	ELEC. LOCKSET
SECURITY COMPONENT					
SEC1	CARD READER	SCHLAGE	MT15	BLACK	COORDINATE WITH SECURITY DRAWINGS
SEC2	CARD READER BOTH SIDES	SCHLAGE	MR15		
SEC3	CARD READER BOTH SIDES	BOSCH	DI9224	BLACK	MULLION MOUNT

HARDWARE SCHEDULE

TAG	DESCRIPTION	HINGE	LOCKSET	CLOSER	DOOR STOP	SECURITY	ACCESSORIES	COMMENTS
1A	STOREFRONT - SINGLE SWING	H4	LK8/LK11	CL1	DS1	SEC1	-	STOREFRONT DOOR
1B	STOREFRONT - SINGLE SWING	H1	LK1	CL3	DS1	SEC1	-	STOREFRONT DOOR. AUTOMATIC
1C	STOREFRONT - DOUBLE SWING	H1	LK8/LK11	CL3	DS1	SEC1	AC8,AC	STOREFRONT DOORS
1D	STOREFRONT - DOUBLE SWING	H1	LK1	CL3	DS1	SEC1	AC8,AC	STOREFRONT DOORS, AUTOMATIC
2A	GENERAL - SINGLE SWING	H2	LK2	CL2	DS1	-	AC1,AC3	
2B	GENERAL - SINGLE SWING	H2/H4	LK4	CL2	DS1	SEC1	AC1, AC3	
3A	GENERAL - DOUBLE SWING	H2	LK2/LK6	CL2	DS1	-	AC1,AC7	
3B	GENERAL - DOUBLE SWING	H2/H4	LK4	CL2	DS1	SEC1	AC1, AC3	
4	STORAGE - DOUBLE SWING	H2	LK6	CL4	-	-	-	
5	STORAGE - SINGLE SWING	H5	LK10	-	DS1	-	AC1	
6	FIRE RATED - SINGLE SWING	H2	LK10/LK8	CL2	DS1	-	AC1	STAIR
10	MULTI-STALL RESTRM - SINGLE SWING	H2	LK10	CL2	DS1	-	AC1, AC3	
11	RESTROOM - SINGLE SWING	H2	LK7	CL2	DS1	-	AC1, AC5	
12	SECURE - SINGLE SWING	H3	LK3	CL2	DS1	-	AC1, AC3, AC6	HOLD CELL - GASKETED
13	LOCKABLE - SINGLE SWING	H2	LK9	-	DS1	-	AC1, AC5	OFFICE
14	PASSAGE - SINGLE SWING	H2	LK10	-	DS1	-	AC1	CONFERENCE
15	LOCKABLE - SINGLE SWING	H2/H4	LK5	CL2	DS1	SEC2	AC1 AC3	CARD READER ON BOTH SIDES
16	PASSAGE - DOUBLE SWING	H2	LK8	CL4	DS1	-	AC1,AC3	
17	LOCKABLE-DOUBLE	H2	LK2	CL4	DS1		AC1,AC7,AC8	
18	SINGLE SWING	H2	LK10		DS1		AC1,AC3	DOUBLE ACTING
19	LOCKABLE - SINGLE SWING	H2/H4	LK11	CL2	DS1	SEC1	AC1, AC3	
20								

GENERAL NOTES:

EXTERIOR DOORS TO HAVE CONTINUOUS HINGES
COORDINATE ALL HARDWARE WITH SECURITY REQUIREMENTS

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IN CHARGE OF WAN LEUNG
CHECKED BY GORHAM HOM
MADE BY ERIC KLINGLER

Revision	Date	Description

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

DOOR TYPES & SCHEDULES

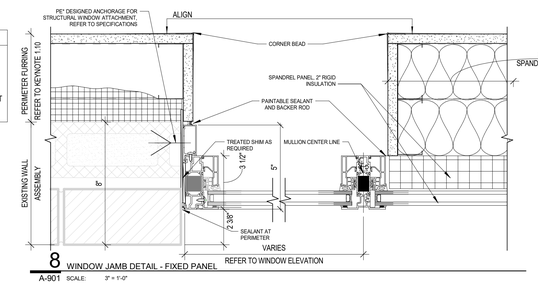
CONTRACT NUMBER: 25-532
SHEET NUMBER: A-900
SHEET 71 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-444-0
REV NO.: 0

GLAZING TYPE LEGEND

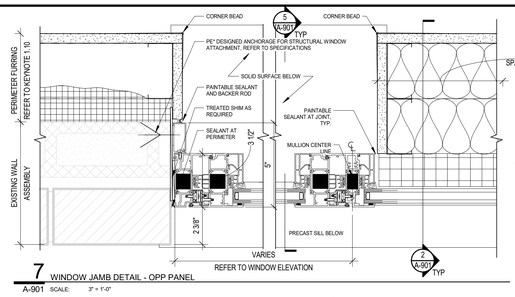
GL-1: 1" IGU AT ALL LOCATIONS U.O.N.

*GL-2: 1" TEMPERED AS SHOWN

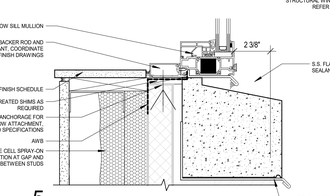
NOTE: REFER TO MARK ON WINDOW TAG AT FLOOR PLAN FOR GLASS TYPE SELECTION



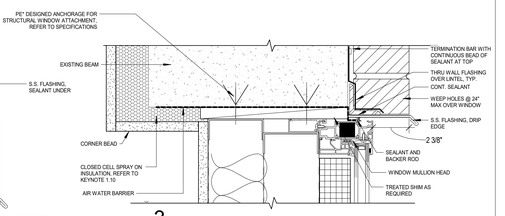
8 WINDOW JAMB DETAIL - FIXED PANEL
A-901 SCALE: 3" = 1'-0"



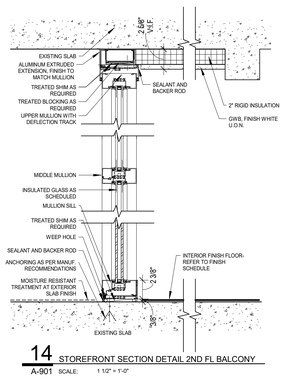
7 WINDOW JAMB DETAIL - OPP PANEL
A-901 SCALE: 3" = 1'-0"



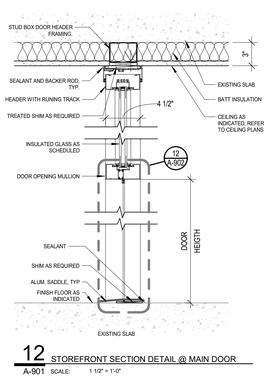
5 WINDOW SILL DETAIL - FIX PANEL
A-901 SCALE: 3" = 1'-0"



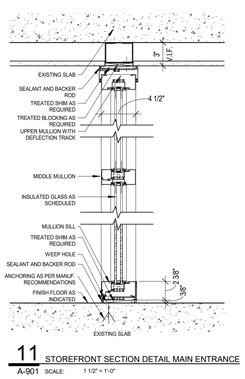
3 WINDOW HEAD DETAIL @ SPANDREL PANEL
A-901 SCALE: 3" = 1'-0"



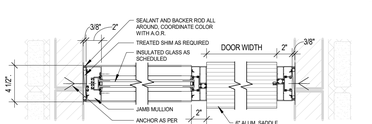
14 STOREFRONT SECTION DETAIL 2ND FL BALCONY
A-901 SCALE: 1 1/2" = 1'-0"



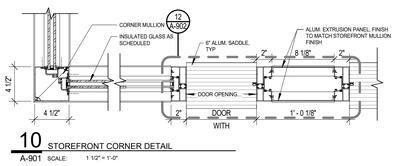
12 STOREFRONT SECTION DETAIL @ MAIN DOOR
A-901 SCALE: 1 1/2" = 1'-0"



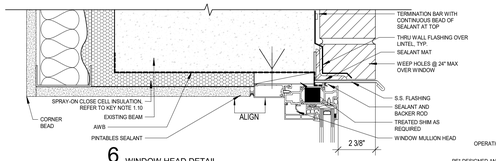
11 STOREFRONT SECTION DETAIL MAIN ENTRANCE
A-901 SCALE: 1 1/2" = 1'-0"



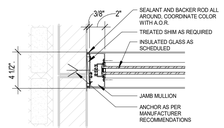
13 STOREFRONT @ DOOR DETAIL
A-901 SCALE: 1 1/2" = 1'-0"



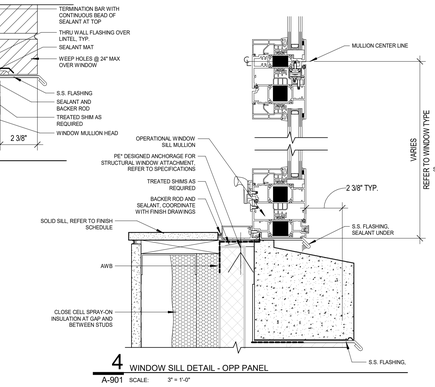
10 STOREFRONT CORNER DETAIL
A-901 SCALE: 1 1/2" = 1'-0"



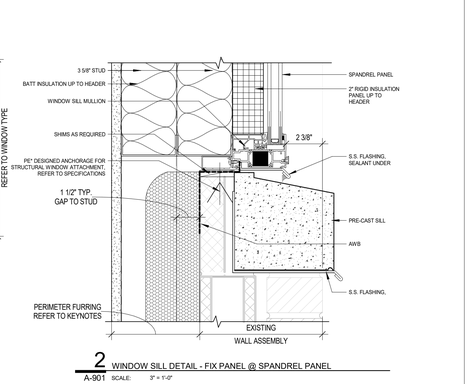
6 WINDOW HEAD DETAIL
A-901 SCALE: 3" = 1'-0"



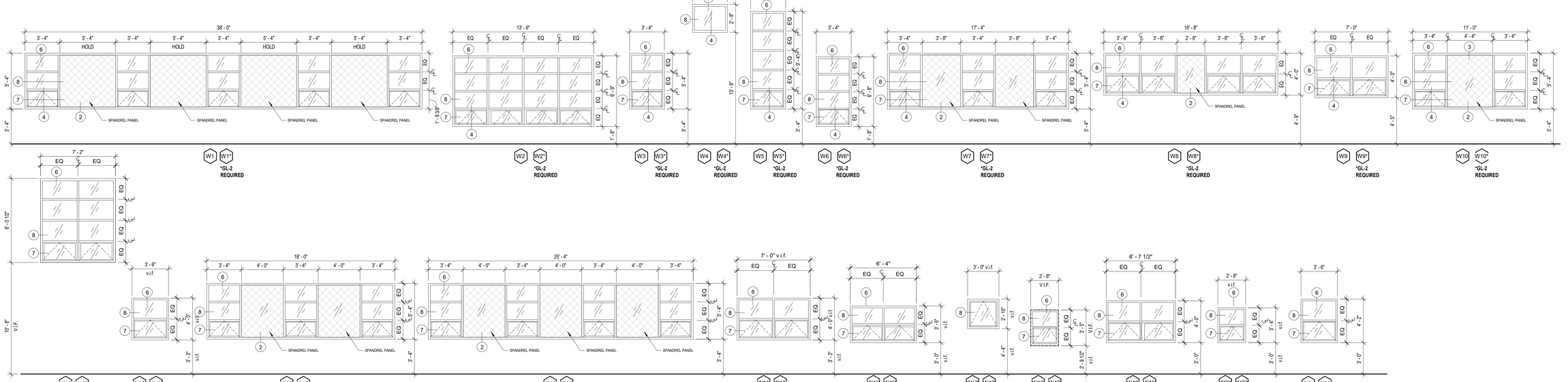
9 STOREFRONT JAMB DETAIL
A-901 SCALE: 1 1/2" = 1'-0"



4 WINDOW SILL DETAIL - OPP PANEL
A-901 SCALE: 3" = 1'-0"



2 WINDOW SILL DETAIL - FIX PANEL @ SPANDREL PANEL
A-901 SCALE: 3" = 1'-0"



1 FENESTRATION TYPES
A-901 SCALE: 1/4" = 1'-0"

NOTE:
REFER TO EXTERIOR ELEVATIONS SHEETS FOR WINDOW/STOREFRONT BASIS OF DESIGN SELECTIONS, REFER TO SPECIFICATION FOR FURTHER INFORMATION

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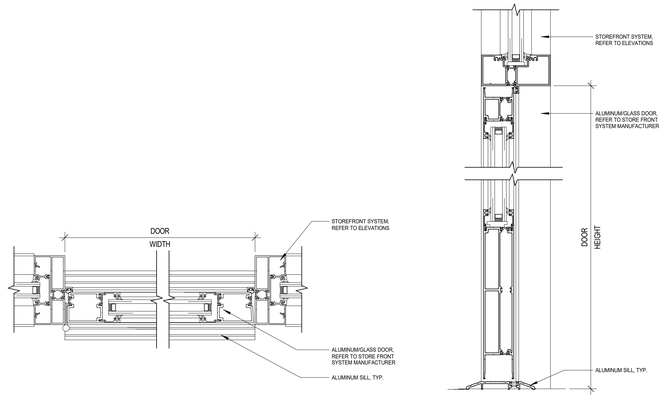
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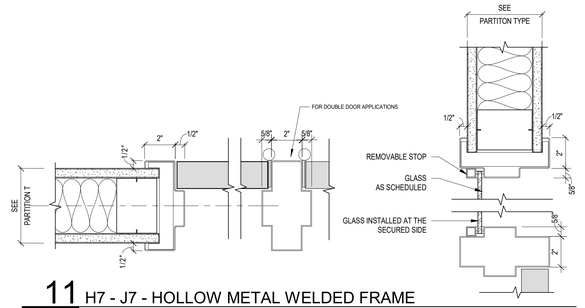
FENESTRATION TYPES & DETAILS

CONTRACT NUMBER: 25-532
SHEET NUMBER: A-901
SHEET 72 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-445-0
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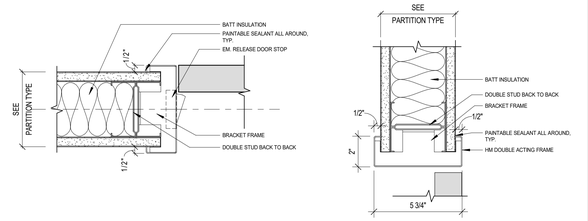
12 H8 - J8 - S8 - ALUMINUM FRAME

A-902 SCALE: 3" = 1'-0"



11 H7 - J7 - HOLLOW METAL WELDED FRAME

A-902 SCALE: 3" = 1'-0"

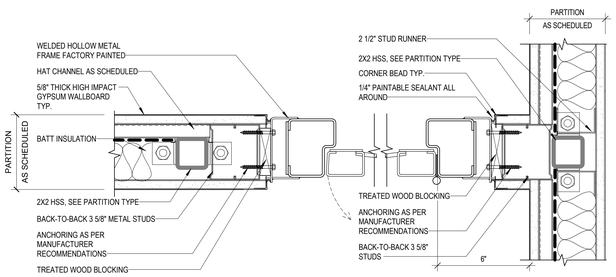


5 H5 - J5 - HME WELDED DOUBLE ACTING FRAME

A-902 SCALE: 3" = 1'-0"

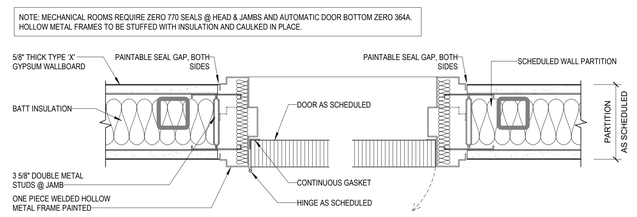
10 H6 - HM CELL DOOR HEAD

A-902 SCALE: 3" = 1'-0"



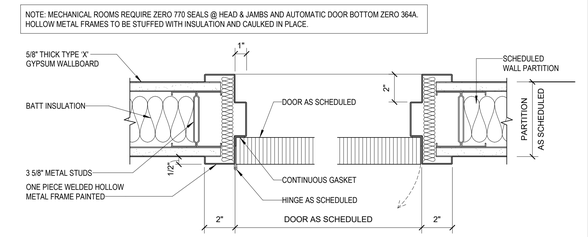
9 J6 - HM CELL DOOR JAMB DETAIL

A-902 SCALE: 3" = 1'-0"



8 J3 - HM FRAME JAMB REINFORCED

A-902 SCALE: 3" = 1'-0"



7 J1 - HM FRAME JAMB

A-902 SCALE: 3" = 1'-0"

6 J2 - WOOD DOOR JAMB

A-902 SCALE: 3" = 1'-0"

4 H2 - WOOD DOOR HEAD & SILL

A-902 SCALE: 3" = 1'-0"

3 H3 - HM DOOR HEAD - REINFORCED

A-902 SCALE: 3" = 1'-0"

2 H1' - J1' - HOLLOW METAL WELDED FRAME

A-902 SCALE: 3" = 1'-0"

1 H1 - HM DOOR HEAD

A-902 SCALE: 3" = 1'-0"

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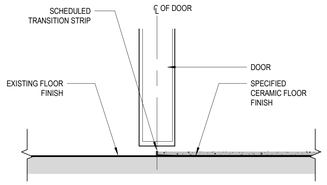
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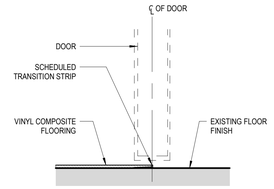
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DOOR DETAILS

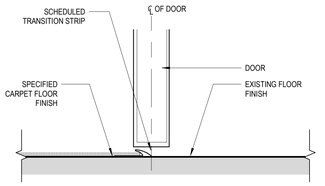
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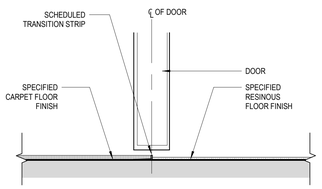
13 SX4 - SILL - CERAMIC TILE TO EXISTING
SCALE: 3" = 1'-0"



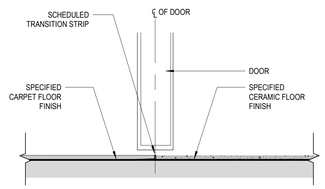
12 SX2 - SILL - VCT TO EXISTING
SCALE: 3" = 1'-0"



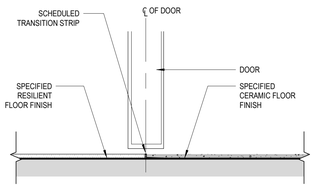
11 SX1 - SILL - CARPET TO EXISTING
SCALE: 3" = 1'-0"



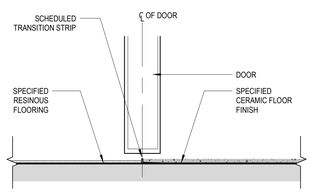
7 S7 - SILL - CARPET TO RESINOUS FLOOR
SCALE: 3" = 1'-0"



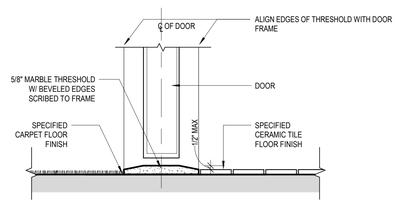
6 S6 - SILL - CARPET TO RESILIENT FL (VCT)
SCALE: 3" = 1'-0"



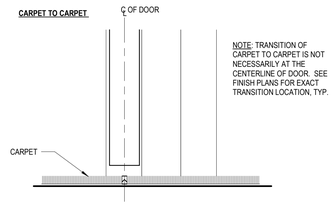
4 S4 - SILL - CERAMIC TILE TO RESILIENT FLOORING
SCALE: 3" = 1'-0"



3 S3 - SILL - CERAMIC TILE TO RESINOUS FLOOR
SCALE: 3" = 1'-0"



2 S2 - SILL - CERAMIC TILE TO CARPET
SCALE: 3" = 1'-0"



1 S1 - SILL - CARPET TO CARPET
SCALE: 3" = 1'-0"

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DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

DOOR DETAILS - SILL

CONTRACT NUMBER: 25-532
SHEET NUMBER: A-903
SHEET 74 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-A-447-0
REV NO.: 0

FIRE PROTECTION LEGEND AND ABBREVIATIONS

ABBREVIATIONS

ABD	AUTOMATIC BALL DRIP
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BLDG	BUILDING
BOP	BOTTOM OF PIPE
CLG	CEILING
CLNA	CLEAN AGENT
CONN	CONNECTION
CONT	CONTINUATION
CV	CHECK VALVE
DIA	DIAMETER
DN	DOWN
DR	DRAIN
DROP	DROP (WITHIN FLOOR)
DWG	DRAWING
(E)	EXISTING
EL	ELEVATION
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FHVC	FIRE HOSE VALVE CABINET
FL	FLOOR
FP	FIRE PUMP
FS	FLOW SWITCH
FSK	FLOOR SINK
FSP	FIRE STANDPIPE
FT	FEET
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HD	HEAT DETECTOR
ID	INSIDE DIAMETER
IN	INCH
JP	JOCKEY PUMP
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
PIV	POST INDICATING VALVE
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH (GAUGE)
RISE	RISE (WITH IN FLOOR)
SBP	SPRINKLER BOOSTER PUMP
SCVA	SPRINKLER CONTROL VALVE ASSEMBLY
SD	SMOKE DETECTOR
SPKR	SPRINKLER
TDH	TOTAL DYNAMIC HEAD
TOP	TOP OF PIPE
TOS	TOP OF SLAB
TS	TAMPER SWITCH
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UP	UP (PENETRATES FLOOR SLAB)
WFS	WATER FLOW SWITCH
Z	ZONE

FIRE PROTECTION PIPING

F	FIRE WATER SUPPLY
F(Z#)	FIRE ZONE PIPING
SP	SPRINKLER PIPING
FSP	FIRE STANDPIPE
DR	SPRINKLER DRAIN PIPING
DFS	DRY FIRE STANDPIPE
DSP	DRY SPRINKLER PIPING
CLNA	CLEAN AGENT PIPING
DLS	DELUGE SPRINKLER PIPING
PA	PRE-ACTION PIPE
	CENTER LINE
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	INSULATED AND HEAT TRACED PIPING

GENERAL

F / 1	F = COMBINED SPRINKLER / STANDPIPE FSP = FIRE STANDPIPE SP = SPRINKLER
FP / 1	EQUIPMENT DESIGNATION
1 / FP2.1	DETAIL DESIGNATION
1	SHEET NOTE NUMBER
1	REVISION NUMBER

RISER
RISER NO.
EQUIPMENT
EQUIPMENT NO.
DETAIL NUMBER
DWG. SHEET NO.

FIRE PROTECTION SYMBOLS

	FLEXIBLE CONNECTION
(H) (X) (L)	EXPANSION LOOP SIZE
	SEISMIC JOINT
M	MANUAL AIR VENT
A	AUTOMATIC AIR VENT
	PRESSURE GAUGE AND COCK
	GATE VALVE
	CHECK VALVE
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	OS&Y (OUTSIDE SCREW & YOKE) VALVE
	BUTTERFLY VALVE (MANUAL)
	FLOAT VALVE
	RELIEF VALVE
	ANGLE RELIEF VALVE
	UNION
	REDUCER
	ECCENTRIC REDUCER (E.R.)
	SLEEVE
	WATER PROOF SLEEVE
	PUMP
	HOSE BIBB
	POINT OF DEMOLITION (CAP EXISTING)
	POINT OF CONNECTION (NEW TO EXISTING)
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	VALVE IN VERTICAL
	PIPE DOWN
	PIPE UP
	CAP
	CHANGE IN PIPE ELEVATION
	ARROW INDICATES DIRECTION OF FLOW
	PIPE BREAK
BPA	BACKFLOW PREVENTER ASSEMBLY
PRV	PRESSURE REDUCING VALVE STATION
#	HYDRAULIC REF. POINTS (ELEMENT)
#	HYDRAULIC REF. POINTS (NODE)
	FIRE HOSE VALVE
	FIRE HOSE VALVE CABINET
	FIRE DEPARTMENT SIAMESE CONNECTION WALL MOUNTED
	FIRE DEPARTMENT SIAMESE CONNECTION FREE STANDING
PIV	POST INDICATOR VALVE
	ROOF MANIFOLD
	FIRE PUMP TEST HEADER
	NEW FIRE HYDRANT
	EXISTING FIRE HYDRANT
	SPRINKLER FLOOR CONTROL VALVE ASSEMBLY
	FLASHING LIGHT
	BELL
	HORN
	MANUAL PULL STATION
T	TAMPER SWITCH
S	SMOKE DETECTOR ABOVE FLOOR
S	SMOKE DETECTOR BELOW FLOOR
ACV	ALARM CHECK VALVE W/ ALL RELATED APPURTENANCES
PP	PURGE PANEL
GA	GRAPHIC ANNUNCIATOR PANEL
PACP	PRE-ACTION CONTROL PANEL
PAV	PRE-ACTION VALVE W/ ALL RELATED APPURTENANCES
DPV	DRY PIPE VALVE W/ ALL RELATED APPURTENANCES
DLV	DELUGE VALVE WITH ALL RELATED APPURTENANCES
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DCDA	DOUBLE DETECTOR CHECK ASSEMBLY
RPZA	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY
BA	SELF CONTAINED BREATHING APPARATUS

SPRINKLER SHEET LIST

SHEET NUMBER	SHEET NAME
FP-001.00	FIRE PROTECTION LEGEND & ABBREVIATIONS
FP-002.00	FIRE PROTECTION GENERAL NOTES
FP-100.00	FIRE PROTECTION 1ST FLOOR DEMOLITION PLAN
FP-101.00	FIRE PROTECTION 2ND FLOOR DEMOLITION PLAN
FP-200.00	FIRE PROTECTION 1ST FLOOR PLAN
FP-201.00	FIRE PROTECTION 2ND FLOOR PLAN
FP-202.00	FIRE PROTECTION ROOF FLOOR PLAN
FP-400.00	FIRE PROTECTION DETAILS #1
FP-401.00	FIRE PROTECTION DETAILS #2

GENERAL NOTE

THIS IS A STANDARD SHEET, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.



SITE LOCATION
SCALE: NTS

WORK ALTERATION - LEVEL 3
1 LOOP ROAD, NORTH CASTLE
SECTION, BLOCK, LOT DESIGNATION - 119.03-1-3

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	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

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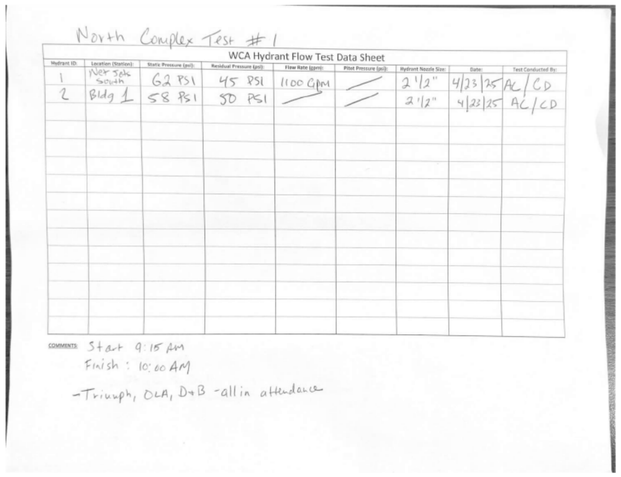
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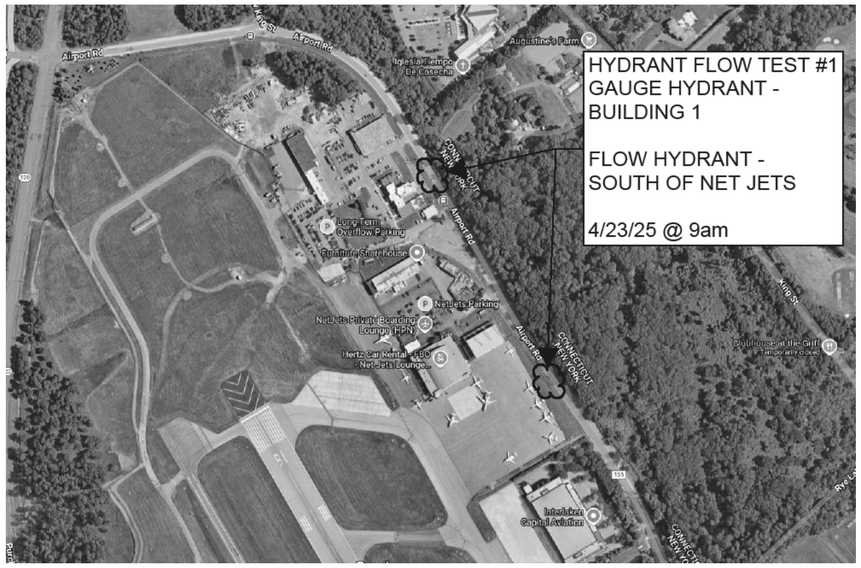


North Complex Test #1

WCA Hydrant Flow Test Data Sheet

Hydrant ID	Location (Station)	Static Pressure (psi):	Residual Pressure (psi):	Flow Rate (gpm):	Pitot Pressure (psi):	Hydrant Nozzle Size:	Date:	Test Conducted By:
1	North Side Switch	62 PSI	45 PSI	1100 GPM	/	2 1/2"	4/23/25	AL/CD
2	Bldg 1	58 PSI	50 PSI	/	/	2 1/2"	4/23/25	AL/CD

COMMENTS: Start 9:15 AM
Finish: 10:00 AM
-Triumph, DLA, D+B -all in attendance



PUMP SCHEDULE

DESIGNATION	LOCATION/ SERVICE	MANUF. MODEL NUMBER	DESCRIPTION	CAPACITY (GPM)	MAXIMUM TDH (FEET)	MOTOR				EMERGENCY POWER	REMARKS
						HP	V	PH	RPM		
FP-C-1	FIRE PUMP ROOM	AC FIRE PUMP 8100 6X6X9F	FIRE PUMP	750	208	50	208	3	3550	YES	-
JP-C-1	FIRE PUMP ROOM	AC FIRE PUMP 1SV-11	JOCKEY PUMP	10	218	1-1/2	208	3	3500	YES	-

SPRINKLER HEAD SCHEDULE - UL LISTED

RESPONSE	COVERAGE	TYPE	K FACTOR	MANUFACTURER & MODEL #			TEMPERATURE(F°)			HAZARD FOR USE			MAX. COVERAGE DIMENSION	SYMBOL					REMARK (AREA APPLIED)
				VIKING	TYCO	RELIABLE	ORDINARY (135~170)	INTERMEDIATE (175~225)	HIGH (250~300)	LIGHT	ORDINARY	EXTRA		○	◉	●	▲	EC▲	
QUICK RESPONSE	STANDARD	UPRIGHT	5.6	VK300	TY313	RA2625	●			●	●	N/A	-	●					
		PENDENT	5.6	VK302	TY323	RA2614	●			●	●	N/A	-		●				
		CONCEALED(FLAT)	5.6	VK462	TY3531	RA3415	●			●	●	N/A	-			●			

SPRINKLER DESIGN CRITERIA

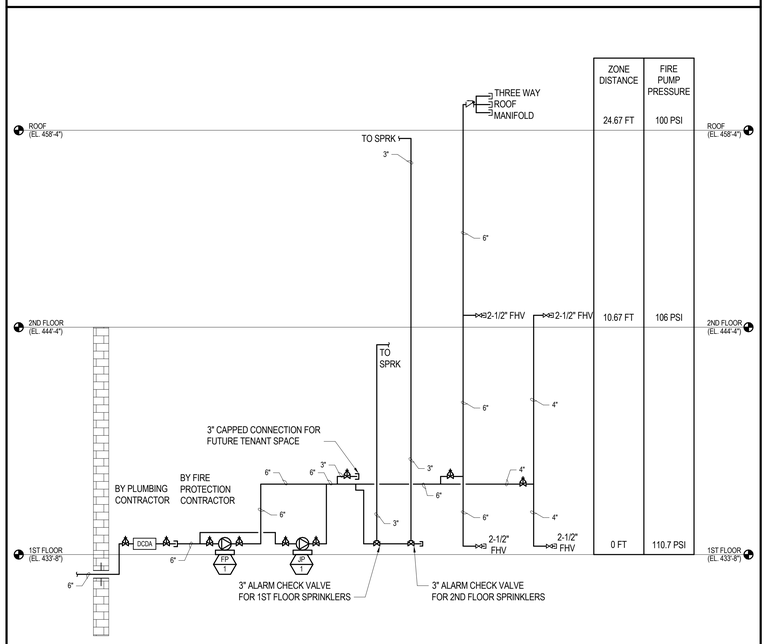
CONSTRUCTION CLASSIFICATION - NON-COMBUSTIBLE

OCCUPANCY CLASSIFICATION - B

PIPING DESIGN CRITERIA - HYDRAULIC CALCULATION

OCCUPANCY	HAZARD DESCRIPTION	DESIGN AREA (SQ.FT.)	DENSITY (GPM/SQ.FT.)	MAXIMUM AREA PER HEAD (SQ.FT.)	TYPE OF SYSTEM	GPM HOSE ALLOWANCE
OFFICES, LOBBY, ETC.	LIGHT HAZARD	1,500	0.1	225	WET	100
MECH / ELEC ROOMS	ORDINARY HAZARD - GROUP 2	1,500	0.2	130	WET	250

FIRE PROTECTION RISER DIAGRAM



SPRINKLER GENERAL NOTES

1. THIS CONTRACTOR SHALL NOT SCALE ANY DRAWINGS FOR SIZES.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED WORK PERMITS AND APPROVALS BASED ON THE APPROVED WORK AT NO ADDITIONAL COST TO THE OWNER.
3. THIS CONTRACTOR SHALL GUARANTEE ALL NEW WORK INSTALLATIONS FOR A MINIMUM PERIOD OF ONE YEAR.
4. THIS CONTRACTOR SHALL FURNISH NECESSARY LABOR AND MATERIALS TO PROVIDE A COMPLETE AND WORKING FIRE PROTECTION SYSTEMS.
5. THIS CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES THAT ARE REVEALED ON THE DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK.
6. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED DURING NORMAL BUILDING HOURS. ANY OVERTIME WORK SHALL BE APPROVED BY THE BUILDING AND WILL REQUIRED WRITTEN APPROVAL.
7. SIGNAGE: PROVIDE SIGNAGE FOR ALL NEW SIAMESE CONNECTIONS, HOSE STORAGE CABINETS, FIRE HOSE CABINETS, AND VALVES.
8. IDENTIFICATION: ALL NEW SPRINKLER MAIN PIPING AND STANDPIPES ARE TO BE PAINTED RED.
9. ANY REQUIRED BASE-BUILDING SYSTEM SHUTDOWNS SHALL BE COORDINATED THROUGH THE BUILDING'S MANAGEMENT COMPANY. THIS CONTRACTOR SHALL NOTIFY THE BUILDING WRITTEN WITH ANY REQUEST FOR SYSTEM SHUTDOWN A MINIMUM OF 48 HOURS IN ADVANCE OF THE REQUESTED SHUTDOWN.

NFPA 13 NOTES

1. MAXIMUM PROTECTION AREA OF COVERAGE SHALL BE DETERMINED PER NFPA 13 2016 SECTION 8.6.2.2.
2. MAXIMUM DISTANCE BETWEEN SPRINKLERS SHALL BE DETERMINED PER NFPA 13 2016 SECTION 8.6.3.1.
3. MAXIMUM DISTANCE OF SPRINKLERS FROM WALLS SHALL BE DETERMINED PER NFPA 13 2016 SECTION 8.6.3.2.
4. SMALL ROOM RULE REQUIREMENTS WILL BE FOLLOWED WHEN POSSIBLE. REQUIREMENTS FOR SMALL ROOM RULE ARE LOCATED IN NFPA 13 2016 SECTIONS 8.6.3.2.4 AND 8.6.3.2.4.1.
5. MINIMUM DISTANCE FROM WALLS SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.6.3.3.
6. MINIMUM DISTANCE BETWEEN SPRINKLERS SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.6.3.4.
7. SPRINKLER DEFLECTOR POSITION IN UNOBSTRUCTED CONSTRUCTION SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.6.4.1.1.1.
8. SPRINKLER DEFLECTOR POSITION IN OBSTRUCTED CONSTRUCTION SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 8.6.4.1.2.
9. SPRINKLER DEFLECTOR ORIENTATION SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.6.4.2.
10. SPRINKLER POSITIONING WITH OBSTRUCTIONS SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.6.5.
10.1. SEE SPRINKLER DETAILS SHEET FOR FURTHER INFORMATION.
11. SPRINKLER CLEARANCE TO STORAGE SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.6.6.
12. SPRINKLER COVERAGE FOR CEILING POCKETS SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.6.7.
13. SPRINKLER INSTALLATIONS WITH OPEN GRID CEILINGS SHALL MEET THE REQUIREMENTS OF NFPA 13 2016 SECTION 8.15.14.

CONSTRUCTION NOTES

1. DURING CONSTRUCTION AND PRIOR TO FULLY OPERABLE SPRINKLER SYSTEM, FIRE WATCH TO BE PROVIDED FOR WHOLE BUILDING.
2. ALL FIRE PROTECTION PIPE MATERIAL IS TO BE A MINIMUM SCHEDULE 40 PIPE.

APPLICABLE BUILDING CODES

1. NEW YORK STATE BUILDING CODE 2020
2. NEW YORK STATE FIRE CODE 2020
3. NFPA 13 - 2016
4. NFPA 14 - 2016
5. NFPA 20 - 2016
6. NFPA 72 - 2016

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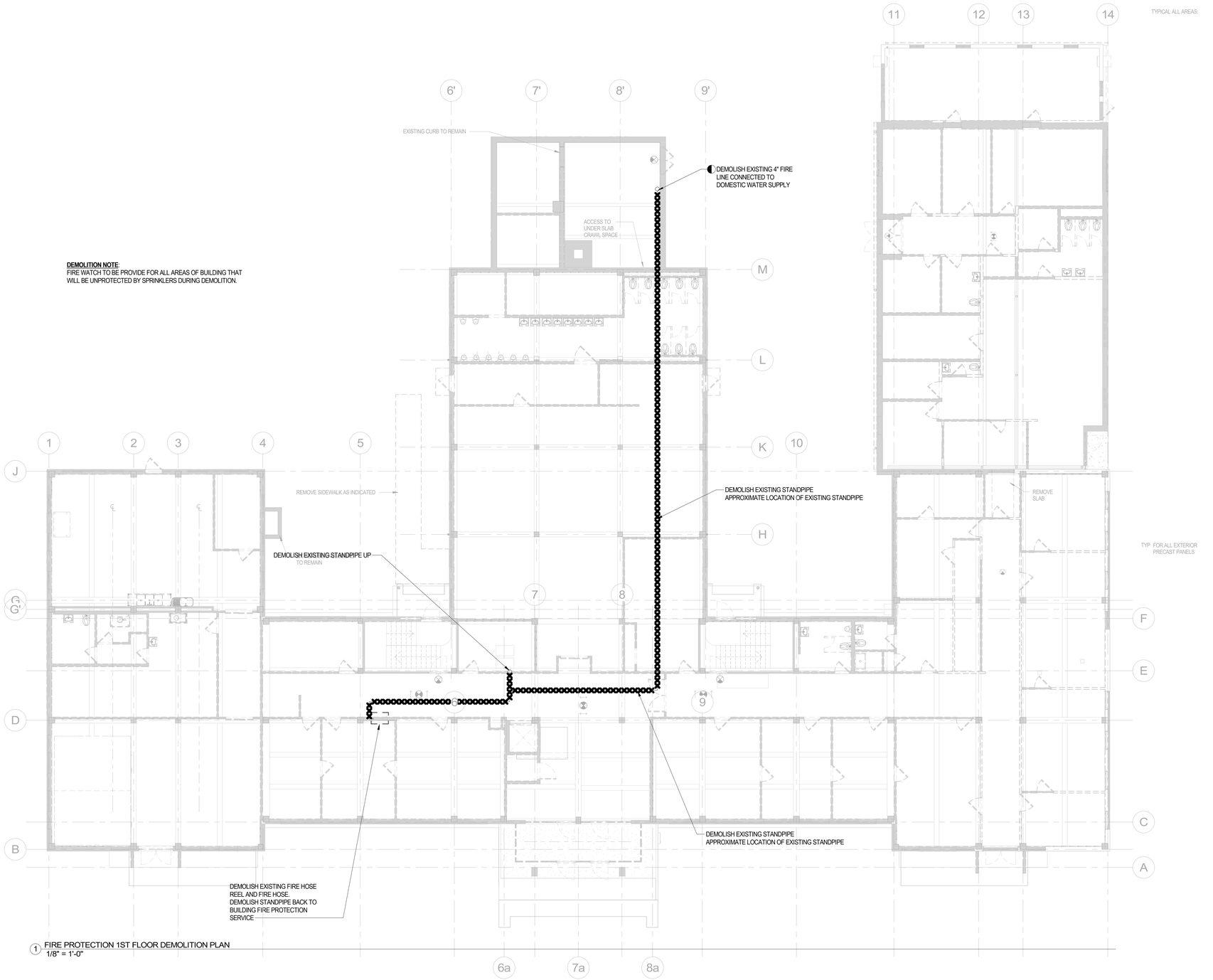
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DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
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FIRE PROTECTION GENERAL NOTES

CONTRACT NUMBER: 25-532
SHEET NUMBER: FP-002.00
SHEET 76 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-FP-449-0
REV.NO.: 0

DEMOLITION NOTE:
FIRE WATCH TO BE PROVIDE FOR ALL AREAS OF BUILDING THAT WILL BE UNPROTECTED BY SPRINKLERS DURING DEMOLITION.



1 FIRE PROTECTION 1ST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

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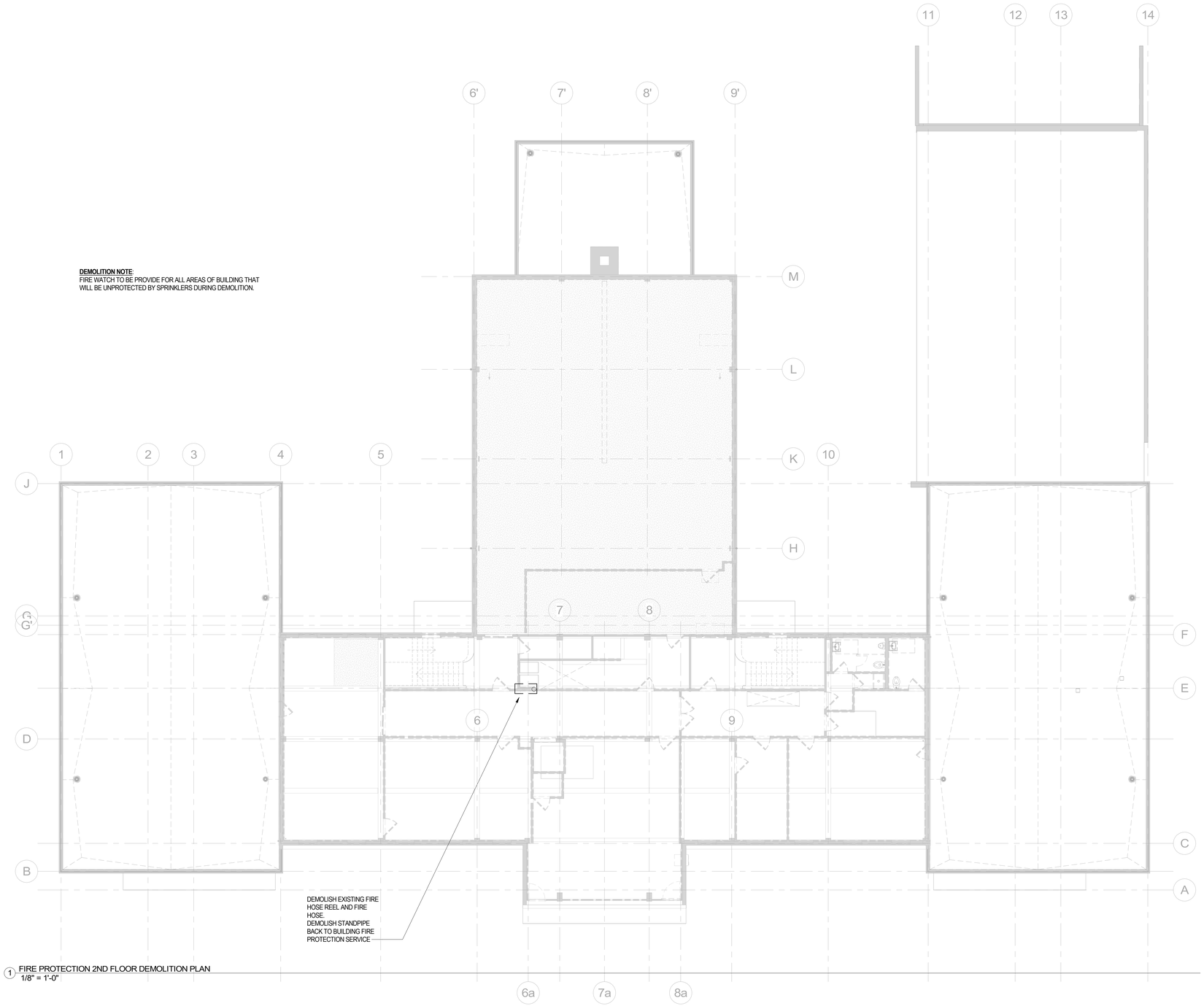
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FIRE PROTECTION 1ST FLOOR DEMOLITION PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER FP-100.00
SHEET 77 of 162
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DEMOLITION NOTE:
FIRE WATCH TO BE PROVIDE FOR ALL AREAS OF BUILDING THAT WILL BE UNPROTECTED BY SPRINKLERS DURING DEMOLITION.



1 FIRE PROTECTION 2ND FLOOR DEMOLITION PLAN
1/8" = 1'-0"

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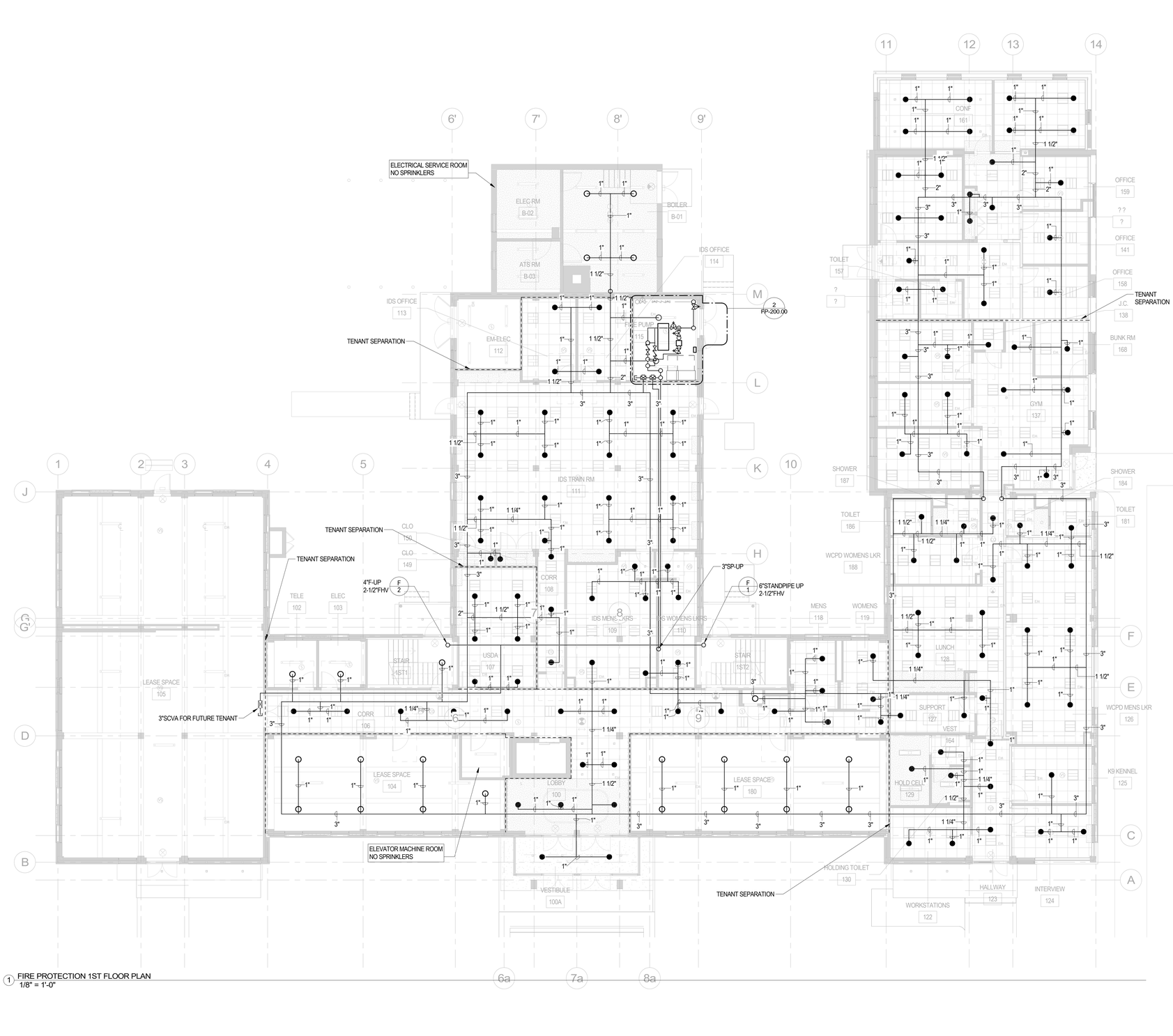
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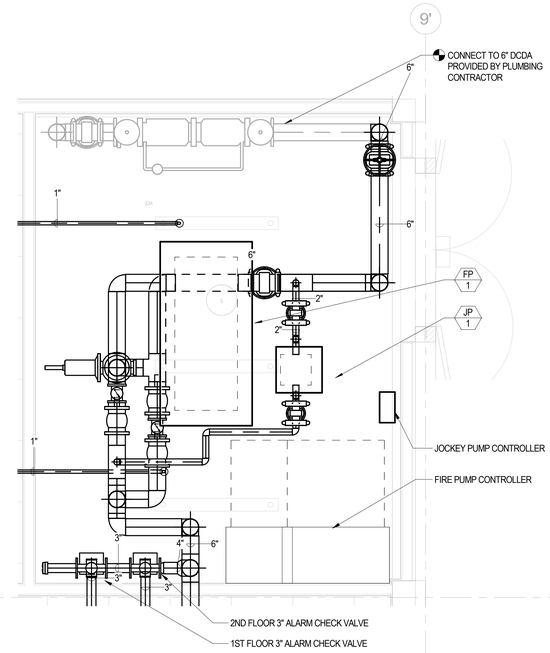
FIRE PROTECTION 2ND FLOOR DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: FP-101.00
SHEET 78 of 162
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1 FIRE PROTECTION 1ST FLOOR PLAN
1/8" = 1'-0"



2 LEVEL 01 - FIRE PUMP ROOM
1/2" = 1'-0"

3 M+F - Fire Pump Isometric Plan

SPRINKLER HEAD COUNT

NEW CONCEALED SPRINKLER HEAD: 132

NEW UPRIGHT SPRINKLER HEAD: 25

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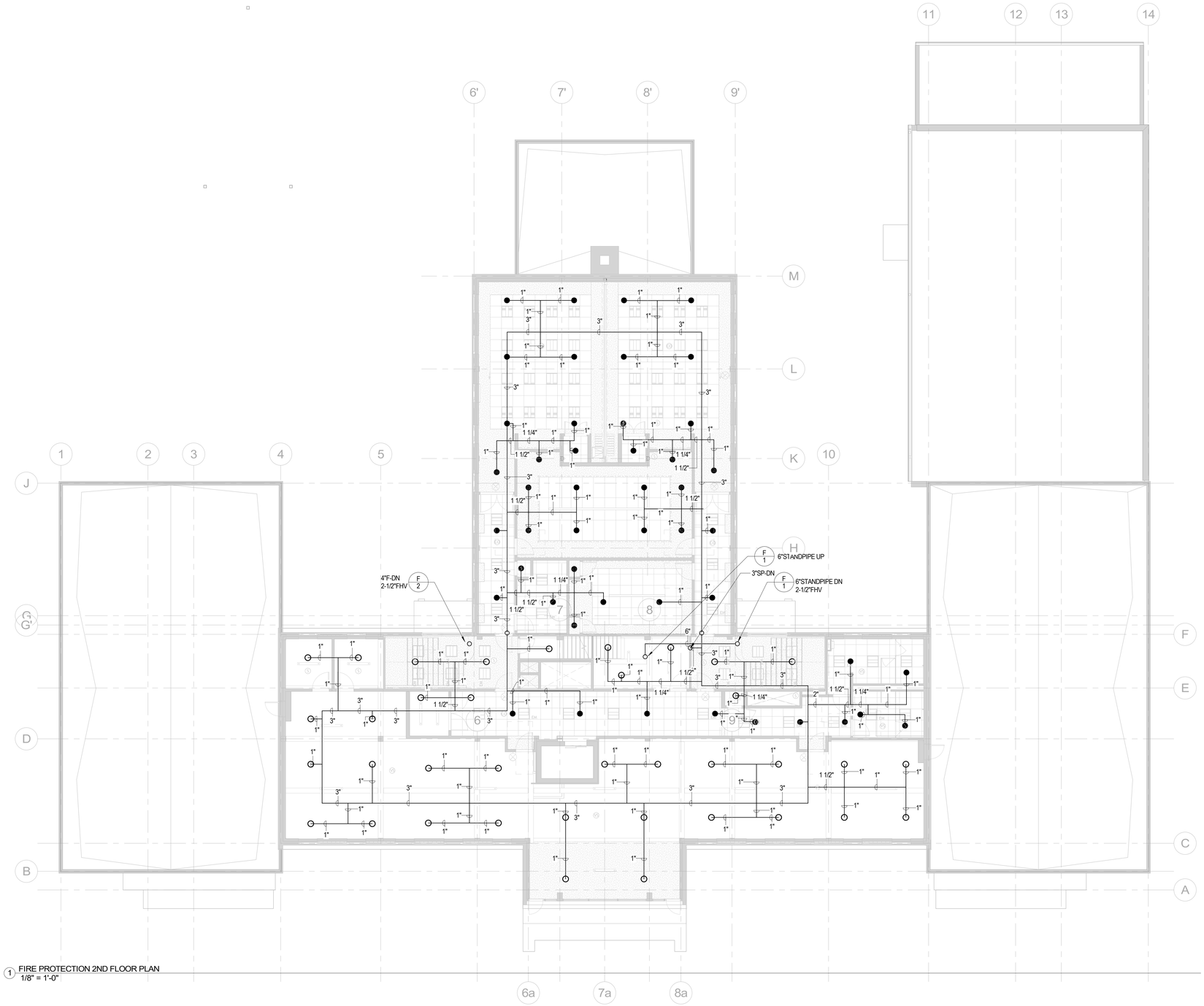
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FIRE PROTECTION 1ST FLOOR PLAN

CONTRACT NUMBER: 25-532
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1 FIRE PROTECTION 2ND FLOOR PLAN
1/8" = 1'-0"

SPRINKLER HEAD COUNT

NEW CONCEALED SPRINKLER HEAD: 48

NEW UPRIGHT SPRINKLER HEAD: 37

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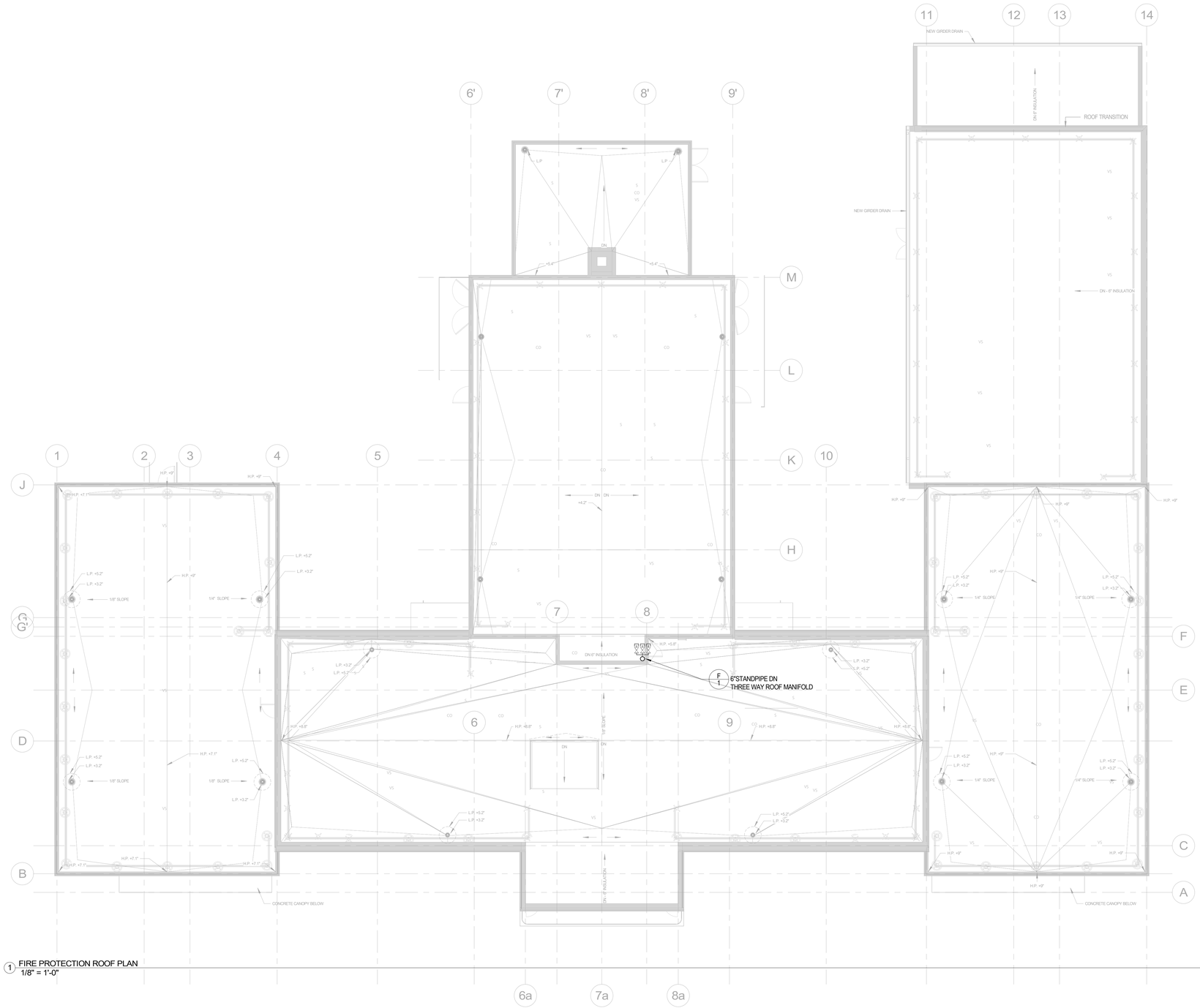
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FIRE PROTECTION 2ND FLOOR PLAN

CONTRACT NUMBER 25-532
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1 FIRE PROTECTION ROOF PLAN
1/8" = 1'-0"

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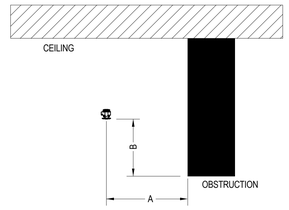
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NFPA 13 TABLE 8.6.5.1.2

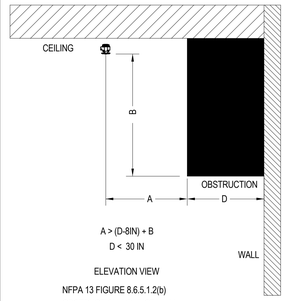
DISTANCE FROM SPRINKLERS TO SIDE OF OBSTRUCTION (A)	MAXIMUM ALLOWABLE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (B) (IN)
LESS THAN 1 FT	0
1 FT TO LESS THAN 1 FT 6 IN	2-1/2
1 FT 6 IN TO LESS THAN 2 FT	3-1/2
2 FT TO LESS THAN 2 FT 6 IN	5-1/2
2 FT 6 IN TO LESS THAN 3 FT	7-1/2
3 FT TO LESS THAN 3 FT 6 IN	9-1/2
3 FT 6 IN TO LESS THAN 4 FT	12
4 FT TO LESS THAN 4 FT 6 IN	14
4 FT 6 IN TO LESS THAN 5 FT	16-1/2
5 FT TO LESS THAN 5 FT 6 IN	18
5 FT 6 IN TO LESS THAN 6 FT	20
6 FT TO LESS THAN 6 FT 6 IN	24
6 FT 6 IN TO LESS THAN 7 FT	30
7 FT TO LESS THAN 7 FT 6 IN	35



ELEVATION VIEW

NFPA 13 FIGURE 8.6.5.1.2(a)

POSITIONING OF SPRINKLER TO AVOID OBSTRUCTION TO DISCHARGE



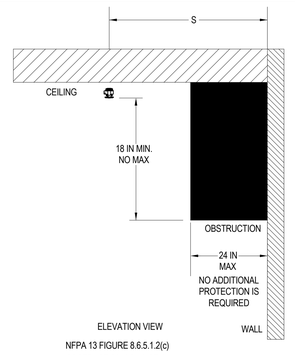
A > (D-8IN) + B

D < 30 IN

ELEVATION VIEW

NFPA 13 FIGURE 8.6.5.1.2(b)

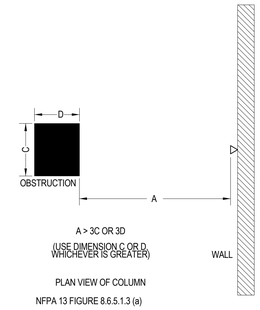
OBSTRUCTION AGAINST WALL



ELEVATION VIEW

NFPA 13 FIGURE 8.6.5.1.2(c)

OBSTRUCTION AGAINST WALL



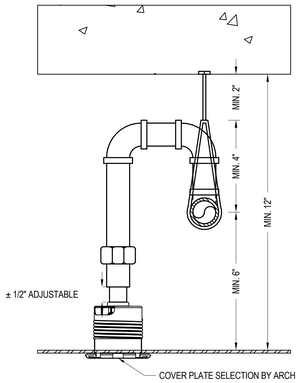
PLAN VIEW OF COLUMN

NFPA 13 FIGURE 8.6.5.1.3 (a)

MINIMUM DISTANCE FROM AN OBSTRUCTION IN THE VERTICAL ORIENTATION

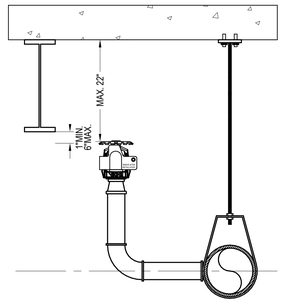
1 POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE
STANDARD SPRAY UPRIGHT/STANDARD SPRAY PENDENT

NO SCALE



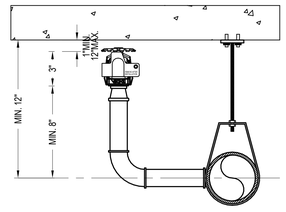
2 CONCEALED PENDENT SPRINKLER

NO SCALE



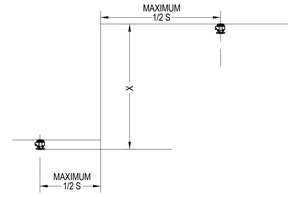
3 OBSTRUCTED UPRIGHT SPRINKLER

NO SCALE



4 UNOBSTRUCTED UPRIGHT SPRINKLER

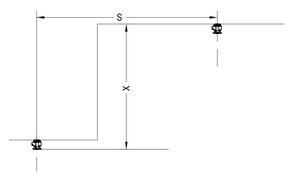
NO SCALE



X > 36 in

S=MAX ALLOWABLE DISTANCE BETWEEN SPRINKLERS

NFPA 13 FIGURE 8.6.4.1.1.3(A)



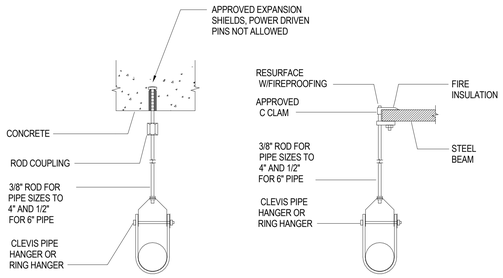
X < 36 in

S=MAX ALLOWABLE DISTANCE BETWEEN SPRINKLERS

NFPA 13 FIGURE 8.6.4.1.1.3(B)

5 VERTICAL CHANGE IN CEILING ELEVATION

NO SCALE

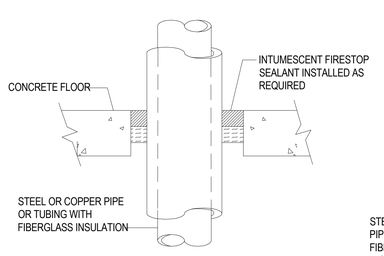


NOTE:

1. ALL C CLAMPS SHALL HAVE A RETAINING STRAP.

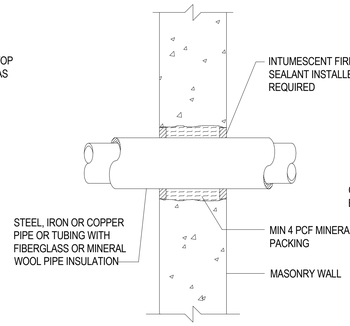
6 PIPE HANGER DETAIL

NO SCALE

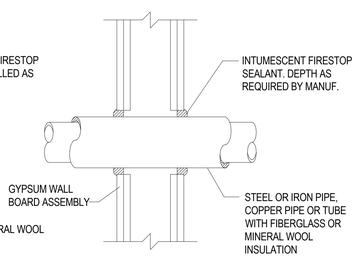


*REFER TO UL FIRE RESISTANCE DIRECTORY FOR COMPLETE INSTALLATION REQUIREMENTS.

UL SYSTEM NO.
CAJ-5021
2, 3 HR F RATING



UL SYSTEM NO.
CAJ-5087
2 HR F RATING



*REFER TO UL FIRE RESISTANCE DIRECTORY FOR COMPLETE INSTALLATION REQUIREMENTS.

UL SYSTEM NO.
WL-5014
1, 2 HR F RATING

7 PIPING PENETRATIONS
AT FIRE-RATED CONSTRUCTION

NO SCALE

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TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

FIRE PROTECTION DETAILS #1

CONTRACT NUMBER: 25-532

SHEET NUMBER: FP-400.00

SHEET 82 of 162

SCALE: AS SHOWN

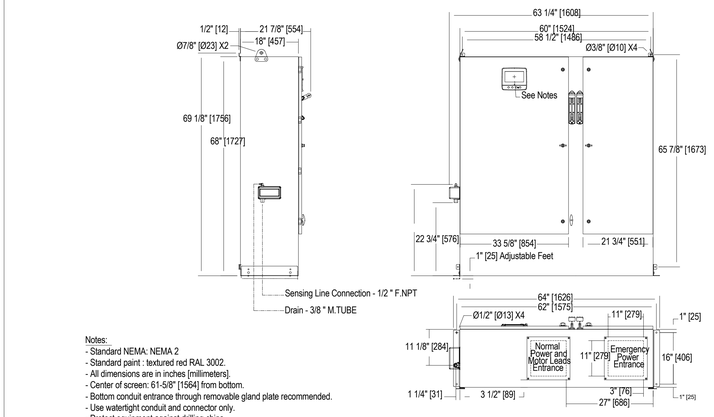
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REV NO.: 0

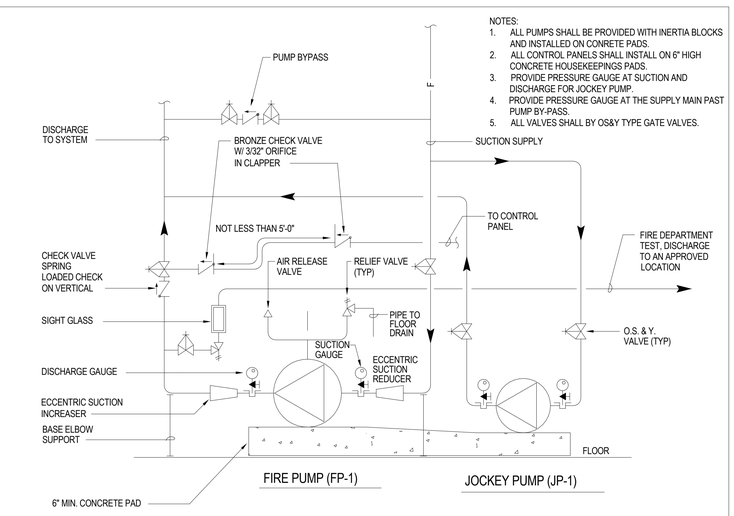
FIRE PROTECTION SYSTEM SEQUENCE OF OPERATIONS

1. SYSTEM COMPONENTS
   - 1.1. ELECTRIC FIRE PUMP
   - 1.2. FIRE PUMP CONTROLLER
   - 1.3. JOCKEY PUMP
   - 1.4. JOCKEY PUMP CONTROLLER
   - 1.5. AUTOMATIC TRANSFER SWITCH (ATS)
   - 1.6. EMERGENCY GENERATOR
   - 1.7. PRESSURE SENSING LINES
   - 1.8. FIRE PROTECTION RISERS
2. SEQUENCE OF OPERATIONS
   - 2.1. NORMAL CONDITIONS
     - 2.1.1. SYSTEM PRESSURE MAINTAINED AT 111 PSI.
     - 2.1.2. JOCKEY PUMP OPERATES AUTOMATICALLY TO MAINTAIN PRESSURE.
     - 2.1.3. FIRE PUMP CONTROLLER ENERGIZED AND IN AUTO.
     - 2.1.4. ATS IN NORMAL POSITION SUPPLYING UTILITY POWER
     - 2.1.5. GENERATOR IS OFF.
   - 2.2. JOCKEY PUMP OPERATION
     - 2.2.1. START: 110 PSI
     - 2.2.2. STOP: 120 PSI
     - 2.2.3. JOCKEY PUMP MAINTAINS PRESSURE FOR MINOR SYSTEM LOSSES
   - 2.3. FIRE PUMP START - NORMAL POWER
     - 2.3.1. FIRE PUMP STARTS AT 101 PSI
     - 2.3.2. CONTROLLER INITIATES ACROSS-THE-LINE OR REDUCED VOLTAGE START.
     - 2.3.3. PUMP RUNS CONTINUOUSLY ONCE STARTED.
     - 2.3.4. PUMP SHALL NOT STOP AUTOMATICALLY.
   - 2.4. LOSS OF NORMAL POWER
     - 2.4.1. ATS DETECTS LOSS OF UTILITY POWER.
     - 2.4.2. GENERATOR RECEIVES START SIGNAL.
     - 2.4.3. UPON REACHING RATED CONDITIONS, ATS TRANSFERS TO EMERGENCY.
     - 2.4.4. FIRE PUMP CONTROLLER IS ENERGIZED FROM GENERATOR.
   - 2.5. FIRE PUMP OPERATION - EMERGENCY POWER
     - 2.5.1. FIRE PUMP STARTS UPON PRESSURE DROP WHILE ON GENERATOR POWER.
     - 2.5.2. PUMP OPERATES CONTINUOUSLY UNTIL MANUALLY STOPPED.
   - 2.6. TRANSFER DURING PUMP OPERATION
     - 2.6.1. IF POWER IS LOST DURING PUMP OPERATIONS:
       - 2.6.1.1. ATS INITIATES GENERATOR START.
       - 2.6.1.2. ATS TRANSFERS TO EMERGENCY POWER.
       - 2.6.1.3. FIRE PUMP CONTINUES RUNNING OR AUTOMATICALLY RESTARTS.
   - 2.7. RETURN TO NORMAL POWER
     - 2.7.1. ATS RETRANSFERS AFTER ADJUSTABLE DELAY (5-30 MINUTES)
     - 2.7.2. FIRE PUMP CONTINUES OPERATION DURING TRANSFER.
   - 2.8. SHUTDOWN
     - 2.8.1. FIRE PUMP SHALL BE STOPPED MANUALLY ONLY AT CONTROLLER.



Notes:
- Standard NEMA: NEMA 2
- Standard paint : textured red RAL 3002.
- All dimensions are in inches [millimeters].
- Center of screen: 61-5/8" [1564] from bottom.
- Bottom conduit entrance through removable gland plate recommended.
- Use watertight conduit and connector only.
- Protect equipment against drilling chips.
- Door swing equal to door width.

2 FIRE PUMP CONTROLLER — NO SCALE



NOTES:
1. ALL PUMPS SHALL BE PROVIDED WITH INERTIA BLOCKS AND INSTALLED ON CONRETE PADS.
2. ALL CONTROL PANELS SHALL INSTALL ON 6" HIGH CONCRETE HOUSEKEEPINGS PADS.
3. PROVIDE PRESSURE GAUGE AT SUCTION AND DISCHARGE FOR JOCKEY PUMP.
4. PROVIDE PRESSURE GAUGE AT THE SUPPLY MAIN PAST PUMP BY-PASS.
5. ALL VALVES SHALL BY OS&Y TYPE GATE VALVES.

1 HORIZONTAL AUTOMATIC FIRE PUMP — NO SCALE

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FIRE PROTECTION DETAILS #2

CONTRACT NUMBER: 25-532
SHEET NUMBER: FP-401.00
SHEET 83 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-FP-456-0
REV NO.: 0

PLUMBING LEGEND AND ABBREVIATIONS

APPLICABLE PROJECT CODES:
1. 2020 NEW YORK STATE PLUMBING CODE
2. 2020 NEW YORK STATE FUEL GAS CODE

SITE LOCATION
SCALE: NTS

WORK ALTERATION - LEVEL 3
1 LOOP ROAD, NORTH CASTLE
SECTION, BLOCK, LOT DESIGNATION - 119.03-1-3



ABBREVIATIONS

ABD	AUTOMATIC BALL DRIP
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BT	BATH TUB
BV	BALANCING VALVE
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
CODP	CLEANOUT DECK PLATE
CONN	CONNECT
CONT	CONTINUATION
CP	CIRCULATING PUMP
CS	CUP SINK
CV	CHECK VALVE
CW	COLD WATER
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DIA	DIAMETER
DN	DOWN (TO FLOOR BELOW)
DR	DRAIN
DROP	DROP (WITHIN FLOOR)
DWH	DOMESTIC WATER HEATER
DWG	DRAWING
DWP	DOMESTIC WATER PUMP
(E)	EXISTING
EEW	EMERGENCY EYE WASH
EJ	EJECTOR DISCHARGE
EL	ELEVATION
ESP	ELEVATOR SUMP PUMP
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
F-X	PLUMBING FIXTURE TYPE (SEE SCHEDULE)
FAI	FRESH AIR INLET
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FL	FLOOR
FLH	FLOOR HYDRANT
FSK	FLOOR SINK
FT	FEET
FU	FIXTURE UNIT
G	NATURAL GAS
GAL	GALLONS
GC	GENERAL CONTRACTOR
GD	GARAGE DRAIN
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
GWH	GAS WATER HEATER
GWS	GRAY WATER SYSTEM
GV	GATE VALVE
HB	HOSE BIBB
HCLG	HUNG FROM THE CEILING
HD	HUB DRAIN
HT	HEAT TRACING
HW	HOT WATER
HWR	HOT WATER RETURN
HX	HEAT EXCHANGER
ID	INSIDE DIAMETER
IN	INCH
INV.EL.	INVERT ELEVATION
IW	INDIRECT WASTE
JS	JANITOR SINK
LAV	LAVATORY
LDR	LEADER
MAX	MAXIMUM
MGCV	MASTER GAS CONTROL VALVE
MH	MANHOLE
MIN	MINIMUM
MS	MOP SINK
(N)	NEW
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NPW	NON-POTABLE WATER

ABBREVIATIONS

OD	OVERFLOW DRAIN
OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
OST	OVERFLOW STORM PIPING
PD	PUMP DISCHARGE
PDR	PLANTER DRAIN
PIV	POST INDICATING VALVE
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (ABSOLUTE)
PSIG	POUNDS PER SQUARE INCH (GAUGE)
PW	PURE WATER
RD	ROOF DRAIN
RISE	RISE (WITH IN FLOOR)
RT	RUNNING TRAP
RW	RECLAIMED WATER
SA	SHOCK ABSORBER
SAN	SANITARY
SD	STORM DRAINAGE
SE	SEWAGE EJECTOR
SED	SEWAGE EJECTOR DISCHARGE
SF	SQUARE FEET
SH	SHOWER
SK	SINK
SLG	SPECIALTY LAB GAS
SP	SUMP PUMP
SPD	SUMP PUMP DISCHARGE
SSD	SUB SOIL DRAIN
ST	STORM PIPING
ST-RE	STORM REUSE
TD	TRENCH DRAIN
TDH	TOTAL DISCHARGE HEAD
TMV	THERMAL MIXING VALVE
TOP	TOP OF PIPE
TOS	TOP OF SLAB
TP	TRAP PRIMER
TYP	TYPICAL
TW	TEMPERED WATER
UON	UNLESS OTHERWISE NOTED
UP	UP (TO FLOOR ABOVE)
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VTR	VENT THROUGH ROOF
W	WATER
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WF	WATER FILTER
WFU	WATER FIXTURE UNIT

PLUMBING SYMBOLS

	Y STRAINER WITH BLOW OFF VALVE
	FLEXIBLE CONNECTION
(H) (X) (L)	EXPANSION LOOP SIZE
	SEISMIC JOINT
	SHOCK ABSORBER
	VACUUM BREAKER
M	MANUAL AIR VENT
A	AUTOMATIC AIR VENT
	PRESSURE GAUGE AND COCK
	THERMOMETER
	RUNNING TRAP
	BASKET STRAINER
	GATE VALVE
	CHECK VALVE
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	OS&Y (OUTSIDE SCREW & YOKE) VALVE
	AUTOMATIC FLOW CONTROL VALVE
	BUTTERFLY VALVE (MANUAL)
	GLOBE VALVE
	CALIBRATED BALANCING VALVE
	BALANCING VALVE
	FLOAT VALVE
	GAS COCK VALVE
	RELIEF VALVE
	ANGLE RELIEF VALVE
	TEMPERATURE MIXING VALVE
	UNION
	REDUCER
	ECCENTRIC REDUCER (E.R.)
	SLEEVE
	WATER PROOF SLEEVE
	PUMP
M	METER
	HOSE BIBB
	FLOOR DRAIN, AREA DRAIN, PLANT DRAIN, GARAGE DRAIN
	FLOOR SINK
	ROOF RECEPTOR
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	POINT OF DEMOLITION (CAP EXISTING)
	POINT OF CONNECTION (NEW TO EXISTING)
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	VALVE IN VERTICAL
	P-TRAP
	FLOOR CLEANOUT/GRADE CLEANOUT
	CLEANOUT/PLUG
	PIPE DOWN
	PIPE UP
	CAP
	CHANGE IN PIPE ELEVATION
	ARROW INDICATES DIRECTION OF FLOW
	INSULATED AND HEAT TRACED PIPING
	FRESH AIR INLET
	WALL HYDRANT
	PIPE BREAK
	ROOF DRAIN
	OVER FLOW ROOF DRAIN
BPA	BACKFLOW PREVENTER ASSEMBLY
PRV	PRESSURE REDUCING VALVE STATION

PLUMBING PIPING

	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RETURN PIPING
(Z-#)	DOMESTIC COLD WATER ZONE PIPING
(Z-#)	DOMESTIC HOT WATER ZONE PIPING
(Z-#)	DOMESTIC HOT WATER ZONE RETURN PIPING
TP	TRAP PRIMER
TW	TEMPERED WATER
IRR	IRRIGATION PIPING
NPW	NON-POTABLE WATER
RW	RECLAIMED WATER PIPING
	SANITARY (ABOVE FLOOR)
	SANITARY (BELOW FLOOR)
	VENT PIPING
SSD	SUB-SOIL DRAIN (ABOVE FLOOR)
SSD	SUB-SOIL DRAIN (BELOW FLOOR)
GWW	GRAY WATER WASTE PIPING
GWS	GRAY WATER SUPPLY
GW	GREASE WASTE PIPING (ABOVE FLOOR)
GW	GREASE WASTE (BELOW FLOOR)
IW	INDIRECT WASTE PIPING
SD	SUMP PUMP DISCHARGE PIPING
EJ	SEWAGE EJECTOR DISCHARGE PIPING
SPV	SUMP PUMP VENT PIPING
EJV	SEWAGE EJECTOR VENT PIPING
G	NATURAL GAS PIPING
GV	NATURAL GAS VENT PIPING
ST	STORM DRAIN PIPING
OD	OVERFLOW STORM PIPING
LW	LAB WASTE PIPING
LV	LAB VENT PIPING
PW	PURE WATER PIPING
V	VACUUM PIPING
CA	COMPRESSED AIR PIPING
N2	NITROGEN PIPING
CO2	CARBON DIOXIDE PIPING
PW	PURE WATER PIPING
	CENTER LINE
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED

GENERAL

P 1	P = SAN, VENT STACK OR DOMESTIC WATER RISER ST = STORM DRAIN LEADER RISER G = NATURAL GAS
CP 1	EQUIPMENT DESIGNATION
1 P2.1	DETAIL DESIGNATION
1	SHEET NOTE NUMBER
1	REVISION NUMBER

PLUMBING SHEET LIST

SHEET NUMBER	SHEET NAME
P-001.00	PLUMBING LEGEND AND ABBREVIATIONS
P-100.00	PLUMBING FIRST FLOOR DEMOLITION PLAN
P-101.00	PLUMBING SECOND FLOOR DEMOLITION PLAN
P-200.00	PLUMBING UNDERGROUND FLOOR PLAN
P-201.00	PLUMBING FIRST FLOOR PLAN
P-202.00	PLUMBING SECOND FLOOR PLAN
P-203.00	PLUMBING ROOF PLAN
P-300.00	PLUMBING RISER DIAGRAMS
P-400.00	PLUMBING DETAILS SHEET 1
P-401.00	PLUMBING DETAILS SHEET 2
P-500.00	PLUMBING SCHEDULES

GENERAL NOTE

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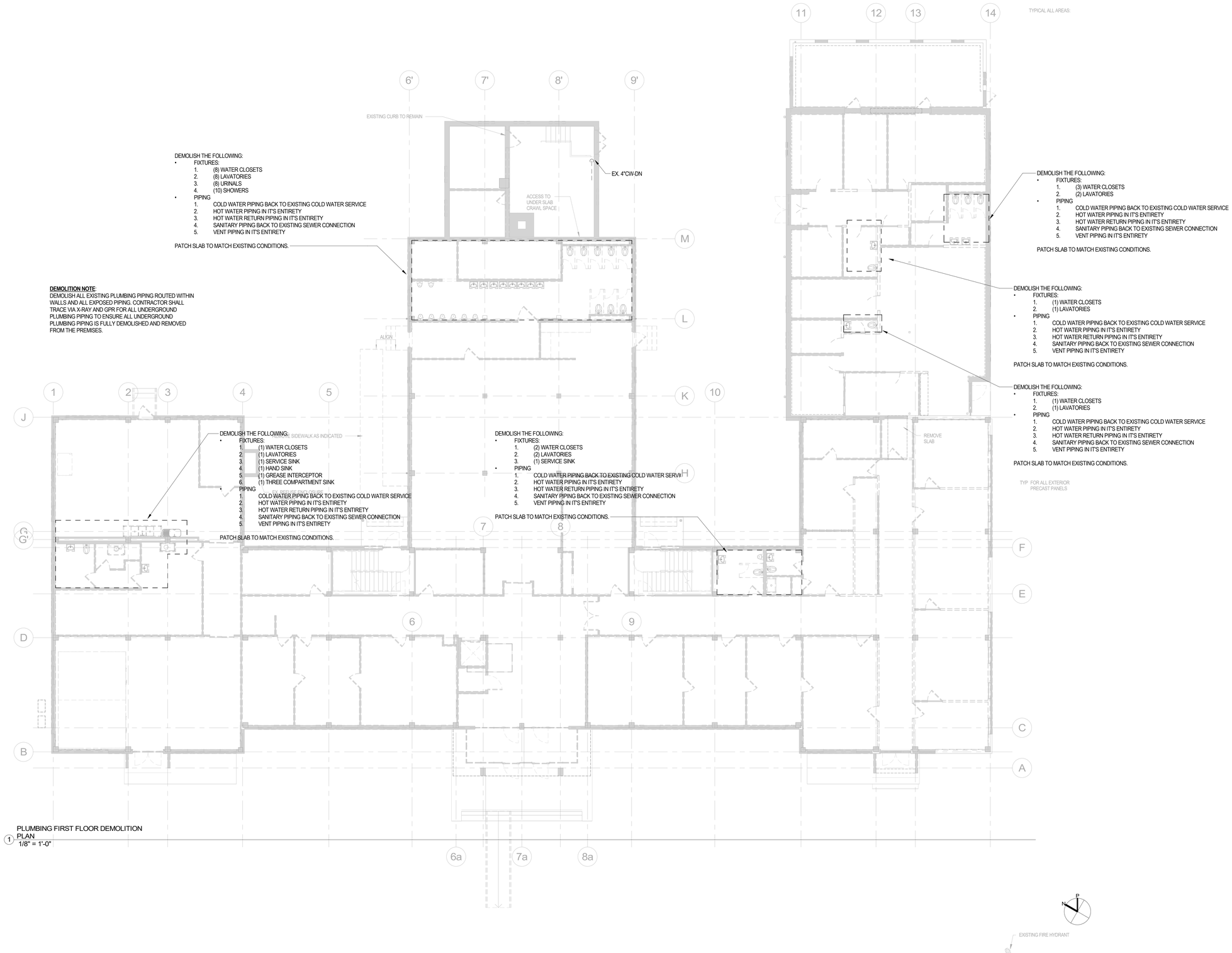
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PLUMBING LEGEND AND ABBREVIATIONS

CONTRACT NUMBER: 25-532
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DATE: 09/02/2026
DPW FILE NO.: 48-08-P-457-0
REV NO.: 0

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DEMOLISH THE FOLLOWING:
- FIXTURES:
  1. (8) WATER CLOSETS
  2. (8) LAVATORIES
  3. (8) URINALS
  4. (10) SHOWERS
- PIPING
  1. COLD WATER PIPING BACK TO EXISTING COLD WATER SERVICE
  2. HOT WATER PIPING IN IT'S ENTIRETY
  3. HOT WATER RETURN PIPING IN IT'S ENTIRETY
  4. SANITARY PIPING BACK TO EXISTING SEWER CONNECTION
  5. VENT PIPING IN IT'S ENTIRETY

PATCH SLAB TO MATCH EXISTING CONDITIONS.

DEMOLITION NOTE:
DEMOLISH ALL EXISTING PLUMBING PIPING ROUTED WITHIN WALLS AND ALL EXPOSED PIPING. CONTRACTOR SHALL TRACE VIA X-RAY AND GPR FOR ALL UNDERGROUND PLUMBING PIPING TO ENSURE ALL UNDERGROUND PLUMBING PIPING IS FULLY DEMOLISHED AND REMOVED FROM THE PREMISES.

DEMOLISH THE FOLLOWING:
- FIXTURES:
  1. (1) WATER CLOSETS
  2. (1) LAVATORIES
  3. (1) SERVICE SINK
  4. (1) HAND SINK
  5. (1) GREASE INTERCEPTOR
  6. (1) THREE COMPARTMENT SINK
- PIPING
  1. COLD WATER PIPING BACK TO EXISTING COLD WATER SERVICE
  2. HOT WATER PIPING IN IT'S ENTIRETY
  3. HOT WATER RETURN PIPING IN IT'S ENTIRETY
  4. SANITARY PIPING BACK TO EXISTING SEWER CONNECTION
  5. VENT PIPING IN IT'S ENTIRETY

PATCH SLAB TO MATCH EXISTING CONDITIONS.

DEMOLISH THE FOLLOWING:
- FIXTURES:
  1. (2) WATER CLOSETS
  2. (2) LAVATORIES
  3. (1) SERVICE SINK
- PIPING
  1. COLD WATER PIPING BACK TO EXISTING COLD WATER SERVI
  2. HOT WATER PIPING IN IT'S ENTIRETY
  3. HOT WATER RETURN PIPING IN IT'S ENTIRETY
  4. SANITARY PIPING BACK TO EXISTING SEWER CONNECTION
  5. VENT PIPING IN IT'S ENTIRETY

PATCH SLAB TO MATCH EXISTING CONDITIONS.

DEMOLISH THE FOLLOWING:
- FIXTURES:
  1. (3) WATER CLOSETS
  2. (2) LAVATORIES
- PIPING
  1. COLD WATER PIPING BACK TO EXISTING COLD WATER SERVICE
  2. HOT WATER PIPING IN IT'S ENTIRETY
  3. HOT WATER RETURN PIPING IN IT'S ENTIRETY
  4. SANITARY PIPING BACK TO EXISTING SEWER CONNECTION
  5. VENT PIPING IN IT'S ENTIRETY

PATCH SLAB TO MATCH EXISTING CONDITIONS.

DEMOLISH THE FOLLOWING:
- FIXTURES:
  1. (1) WATER CLOSETS
  2. (1) LAVATORIES
- PIPING
  1. COLD WATER PIPING BACK TO EXISTING COLD WATER SERVICE
  2. HOT WATER PIPING IN IT'S ENTIRETY
  3. HOT WATER RETURN PIPING IN IT'S ENTIRETY
  4. SANITARY PIPING BACK TO EXISTING SEWER CONNECTION
  5. VENT PIPING IN IT'S ENTIRETY

PATCH SLAB TO MATCH EXISTING CONDITIONS.

DEMOLISH THE FOLLOWING:
- FIXTURES:
  1. (1) WATER CLOSETS
  2. (1) LAVATORIES
- PIPING
  1. COLD WATER PIPING BACK TO EXISTING COLD WATER SERVICE
  2. HOT WATER PIPING IN IT'S ENTIRETY
  3. HOT WATER RETURN PIPING IN IT'S ENTIRETY
  4. SANITARY PIPING BACK TO EXISTING SEWER CONNECTION
  5. VENT PIPING IN IT'S ENTIRETY

PATCH SLAB TO MATCH EXISTING CONDITIONS.

1 PLUMBING FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

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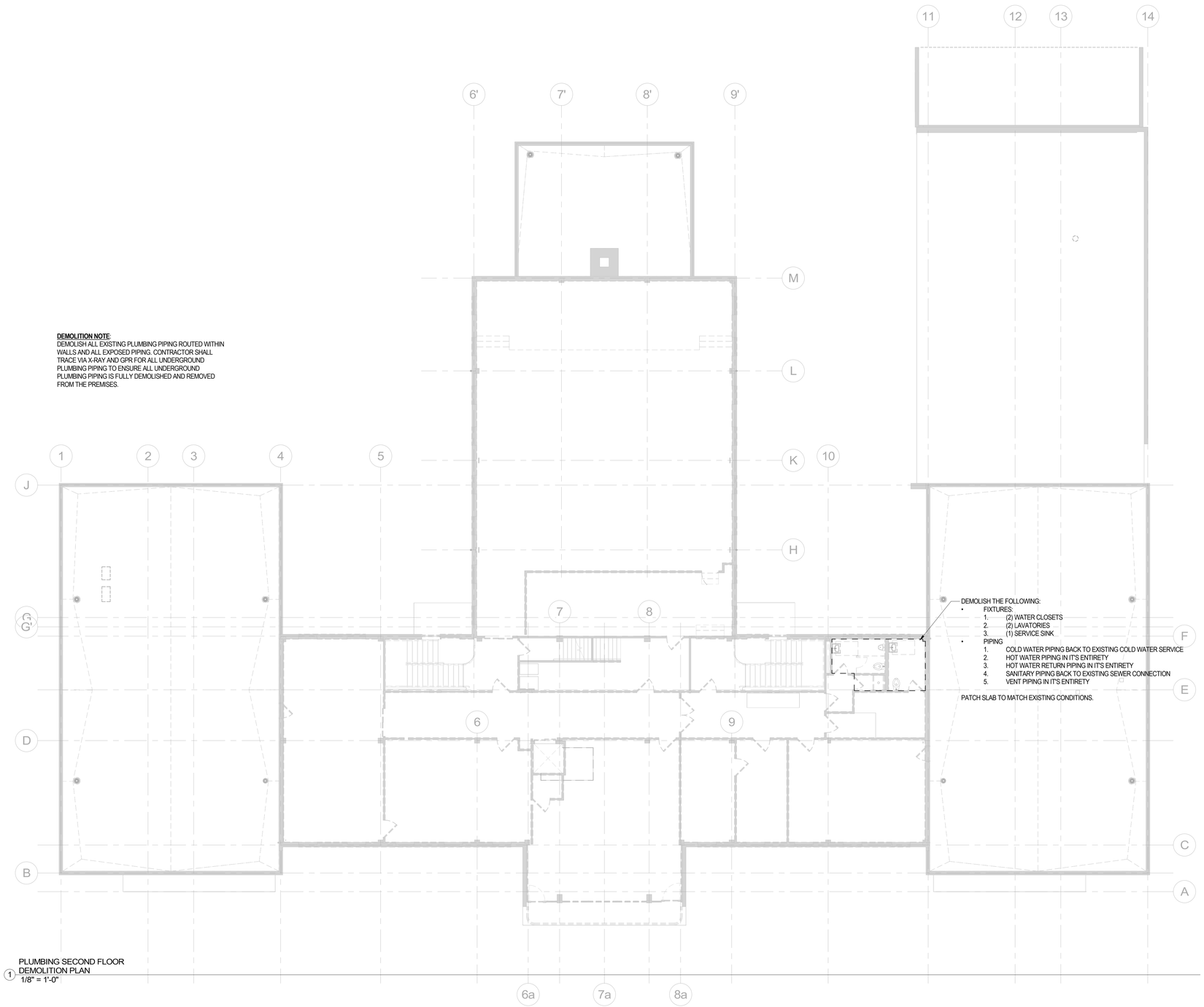
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PLUMBING FIRST FLOOR DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: P-100.00
SHEET 85 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-P-458-0
REV NO.: 0

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FILE: Autodesk Docs://M+ Westchester Airport - Building 1/M+Westchester Airport - BLDG 1_MEP-R24.rvt

DEMOLITION NOTE:
DEMOLISH ALL EXISTING PLUMBING PIPING ROUTED WITHIN WALLS AND ALL EXPOSED PIPING. CONTRACTOR SHALL TRACE VIA X-RAY AND GPR FOR ALL UNDERGROUND PLUMBING PIPING TO ENSURE ALL UNDERGROUND PLUMBING PIPING IS FULLY DEMOLISHED AND REMOVED FROM THE PREMISES.



1 PLUMBING SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



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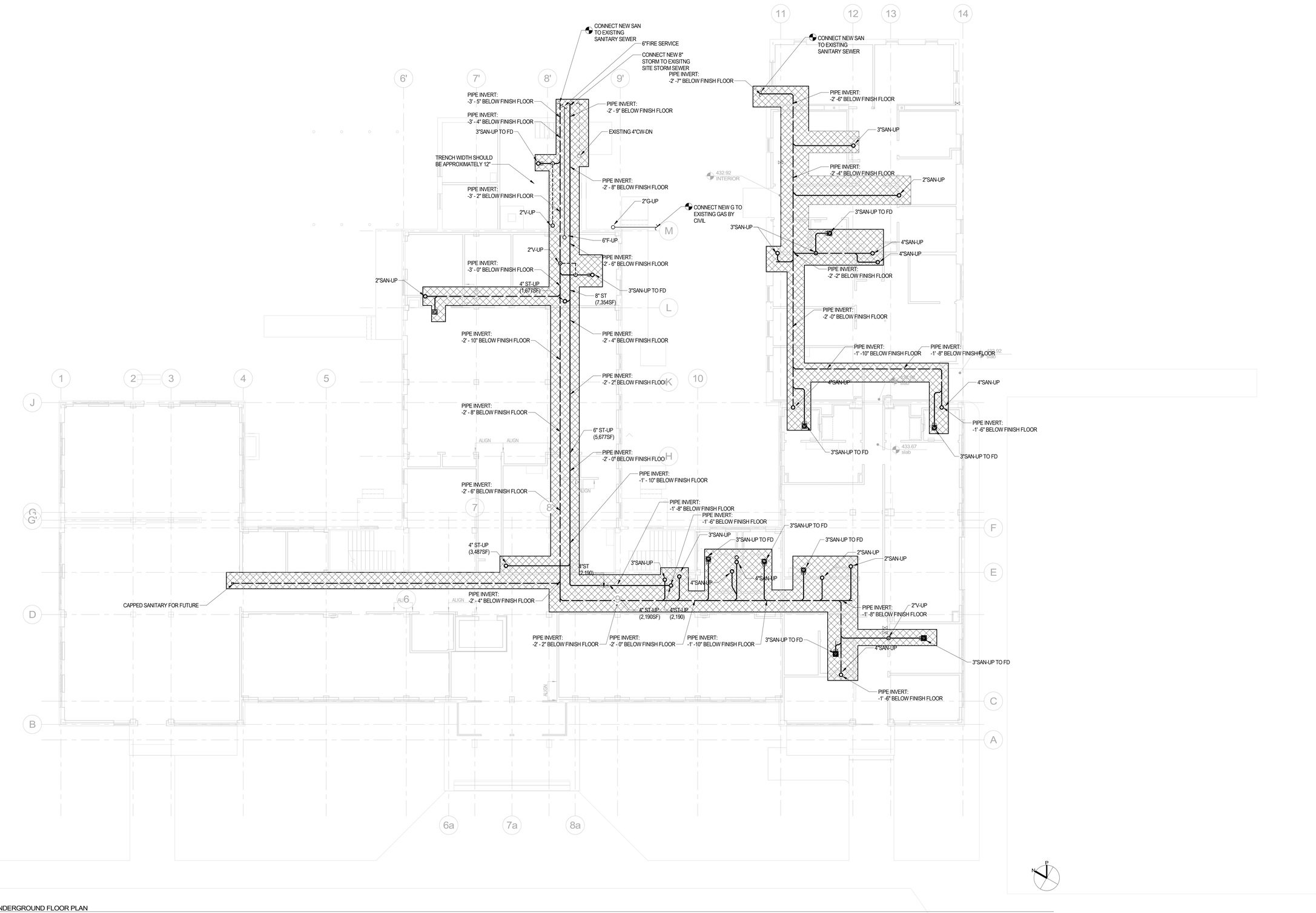
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PLUMBING SECOND FLOOR DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: P-101.00
SHEET 86 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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1 PLUMBING UNDERGROUND FLOOR PLAN
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BUILDING 1 REHABILITATION
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PLUMBING UNDERGROUND FLOOR PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: P-200.00
SHEET 87 of 162
SCALE: AS SHOWN
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DPW FILE NO.: 48-08-P-460-0
REV.NO.: 0

PLUMBING GENERAL NOTE:
1. NO PLUMBING PIPING P-6ALL RUN EXPOSED THROUGH FRONT OF HOUSE SPACES.

SEE DETAIL 7 SHEET P-401.00 EWH 1

SEE DETAIL 5 SHEET P-400.00 CP 1

HVAC MAKEUP WATER CONNECTION
PROVIDE BACKFLOW PREVENTER
DETAIL 4 SHEET P-400.00

EXISTING 4"CW-DN

CONNECT NEW 4"CW TO EXISTING CAPPED PIPING PROVIDED DP-7ING DEMOLITION

BPF-1

2"G-DN BY OTHERS 6"F CAPPED FOR FP CONTRACTOR

BFP-2

6"F-DN

2"V-DN

2"V-RISE/2"SAN-DN
3/4"CW-DROP
3/4"HW-DROP
3/4"HWR-DROP

4"ST-DN (1,677SF)

4" OST-UP (1,677SF)

4" ST-UP (1,677SF)

6" OST SPILL TO GRADE

NFWH-1

CAPPED FOR FUTURE:
CW
SAN-UNDERGROUND
G
SUB-METERING TO BE PROVIDED BY FUTURE TENANT

4" ST-UP&DN (3,487SF)

3"SAN-UP

4" OST-UP (3,487SF)

4" ST-UP&DN (2,190SF)

4" OST-UP (2,190SF)

2"V-RISE/3"SAN-DN
1"CW-DROP
1"HW-DROP
3/4"HWR-DROP

2"V-RISE/3"SAN-DN
3/4"CW-DROP

2"V-UP/4"SAN-DN
2"CW-DROP
1"HW-DROP
3/4"HWR-DROP

2"V-RISE/3"SAN-DN
2"CW-DROP
1"HW-DROP
3/4"HWR-DROP

3"SAN-DN

V-UP TO VTR

2"V-RISE/4"SAN-DN
2"CW-DROP
1"HW-DROP
3/4"HWR-DROP

3"V-UP
4"SAN-UP&DROP
2"CW-DROP
1"HW-DROP
3/4"HWR-DROP

2"V-RISE/2"SAN-DN
1-1/2"CW-DROP
3/4"HW-DROP
3/4"HWR-DROP

2"SAN-UP
3"SAN-DN
2"V-UP
3/4"CW-UP

2"V-RISE/3"SAN-DN
3/4"CW-DROP
3/4"HW-DROP
3/4"HWR-DROP

2"V-UP
3/4" HWR-UP
3/4" HW-UP
3/4" CW-UP

4"SAN-UP
3"V-UP
2"CW-UP
1"HW-UP
3/4"HWR-UP

2"V-RISE/3"SAN-DN
3/4"CW-DROP

3/4"HW-DROP
3/4"CW-DROP

3/4"HWR-DROP
3/4"HW-DROP
1-1/2"CW-DROP
2"V-RISE/4"SAN-DN

(2)HB FD

1 PLUMBING FIRST FLOOR PLAN
1/8" = 1'-0"

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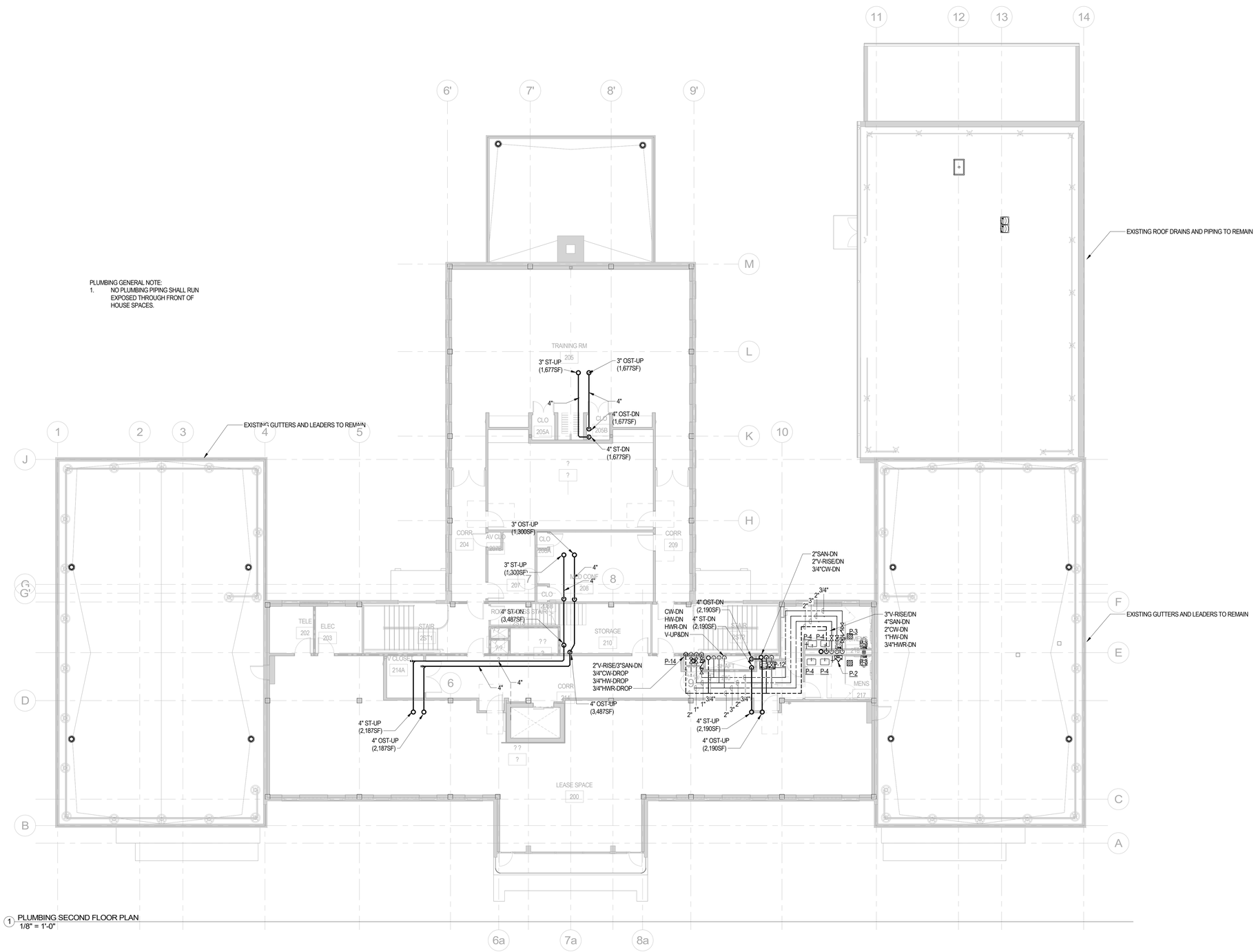
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DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PLUMBING FIRST FLOOR PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: P-201.00
SHEET 88 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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PLUMBING GENERAL NOTE:
1. NO PLUMBING PIPING SHALL RUN EXPOSED THROUGH FRONT OF HOUSE SPACES.



1 PLUMBING SECOND FLOOR PLAN
1/8" = 1'-0"

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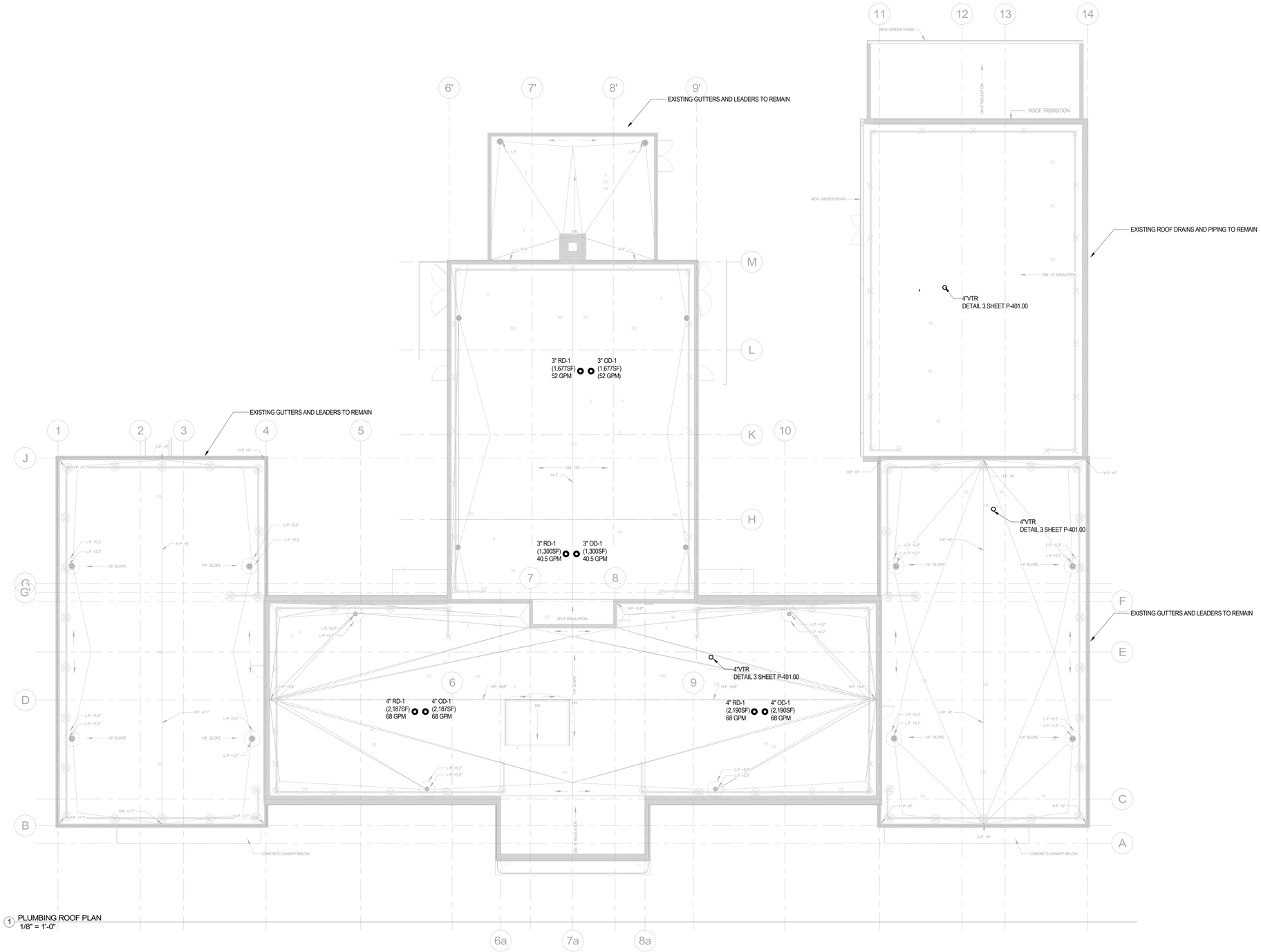
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PLUMBING SECOND FLOOR PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER P-202.00
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1 PLUMBING ROOF PLAN
1/8" = 1'-0"

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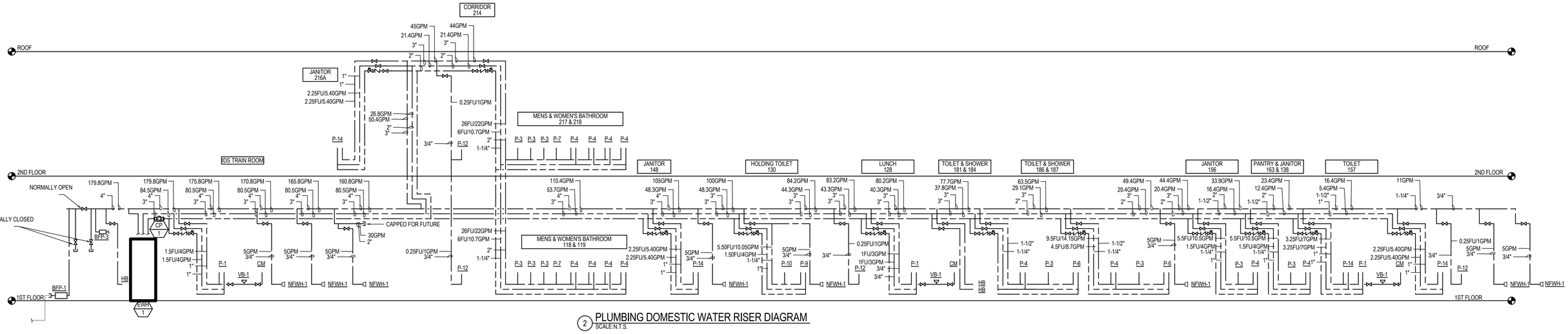
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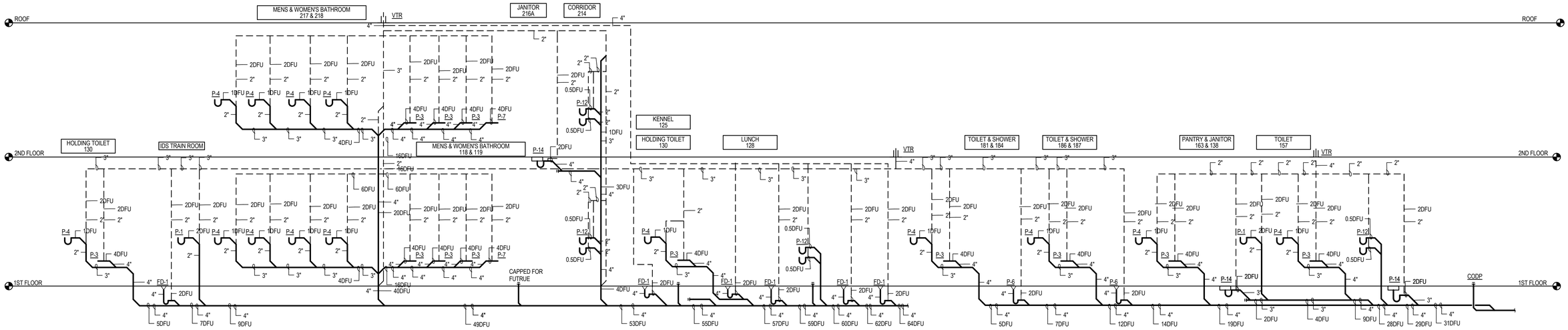
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PLUMBING ROOF PLAN

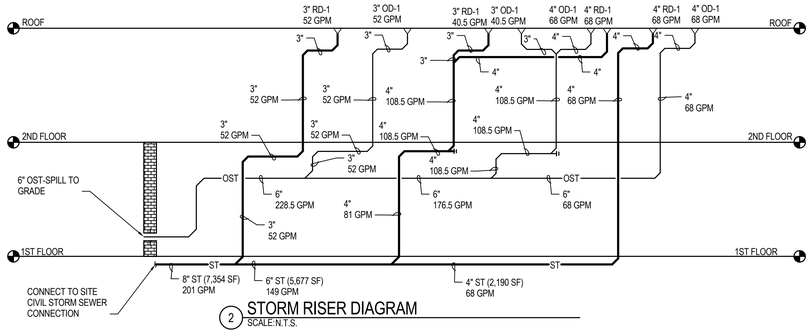
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SHEET 90 of 162
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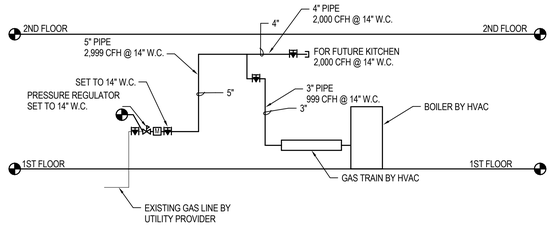
2 PLUMBING DOMESTIC WATER RISER DIAGRAM
SCALE:N.T.S.



3 PLUMBING SANITARY RISER DIAGRAM
SCALE:N.T.S.



2 STORM RISER DIAGRAM
SCALE:N.T.S.



1 NATURAL GAS RISER DIAGRAM
STORM RISE DIAGRAM
SCALE:N.T.S.

GAS SYSTEM SCHEDULE

FIXTURE	MINIMUM PRESSURE ("P-3)	MAXIMUM PRESSURE ("P-3)	LENGTH OF PIPE TO REMOTE OUTLET (FT)	TOTAL DEVELOPED LENGTH OF PIPE TO REMOTE OUTLET (FT)	TOTAL SYSTEM LOAD (CFH)	DESIGN PRESSURE DROP ("P-3)
HVAC BOILER	4	14	217	325	2,999	0.5
FUTURE KITCHEN	4	14	217	325	2,999	0.5

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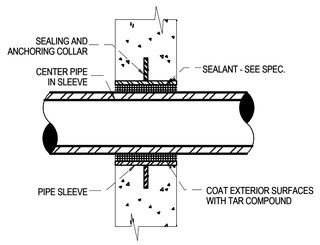
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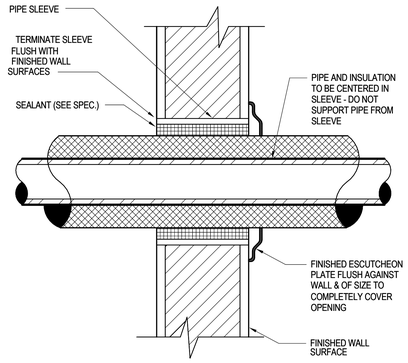
PLUMBING RISER DIAGRAMS

CONTRACT NUMBER: 25-532
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SHEET 91 of 162
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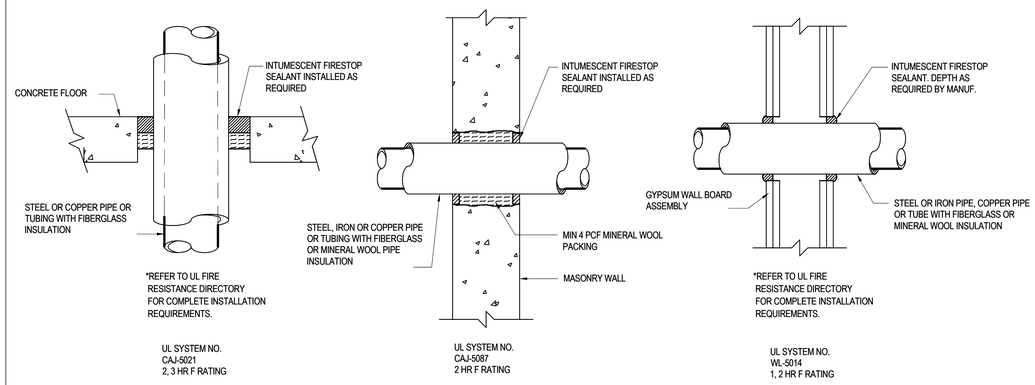
1 PIPE SLEEVE THRU EXTERIOR WALL

SCALE: N.T.S.



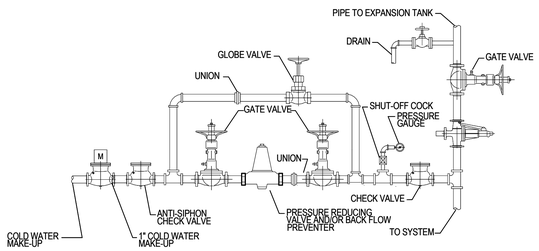
2 PIPE SLEEVE THRU INTERIOR WALL

SCALE: N.T.S.



3 PIPING PENETRATIONS AT FIRE-RATED CONSTRUCTION

SCALE: N.T.S.

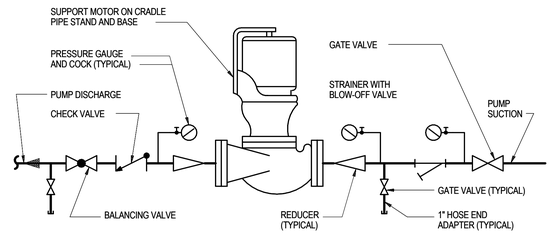


NOTE

FOR PIPE SIZING SEE FLOOR PLANS.

4 COLD WATER MAKE-UP CONNECTION

SCALE: N.T.S.



5 IN-LINE PUMP

SCALE: N.T.S.

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PLUMBING DETAILS SHEET 1

CONTRACT NUMBER: 25-532

SHEET NUMBER: P-400.00

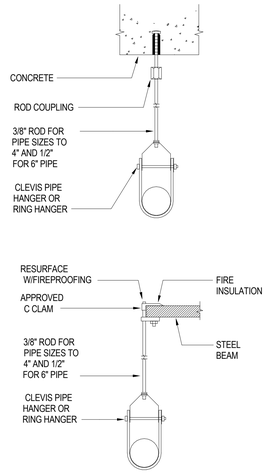
SHEET 92 of 162

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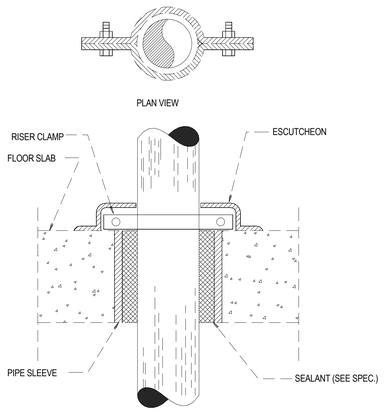
DPW FILE NO.: 48-08-P-465-0

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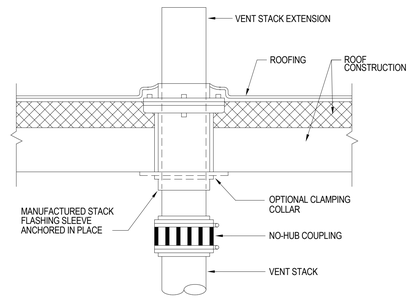
1 PIPE HANGER DETAIL

SCALE: N.T.S.



2 PIPE SLEEVE THRU EXPOSED FLOOR SLAB

SCALE: N.T.S.



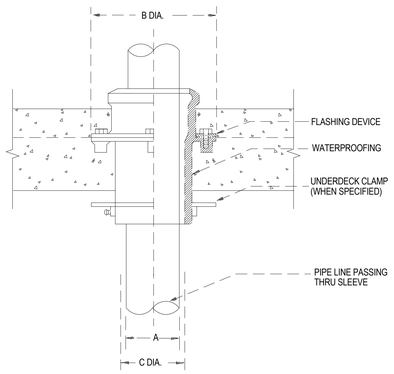
FLASHING SLEEVE

NOTE

VENT STACK OUTLET TO BE 10 FT. (MIN.) FROM ANY WALL OR 3 FT. ABOVE STRUCTURE.

3 VENT THRU ROOF

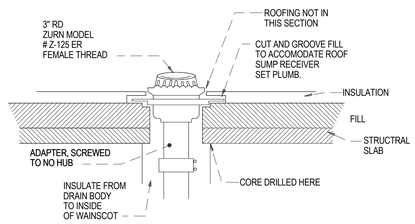
SCALE: N.T.S.



A	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
B	5	5	5	6 3/4	6 3/4	6 3/4	7 1/2	7 1/2	8 1/2	9 1/2	10 1/2	13 1/2	15 1/2	17 1/2
C	1 1/8	1 5/16	1 9/16	1 15/16	2 1/8	2 7/8	3 1/8	3 7/8	4 7/8	5 7/8	6 7/8	9	11 1/8	13 1/8

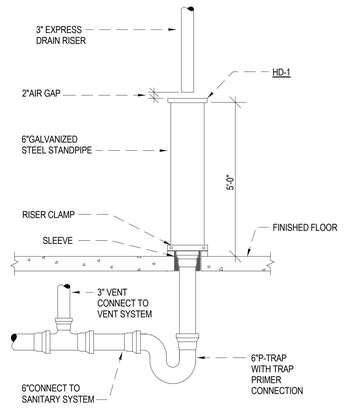
4 STACK OR WALL SLEEVE

SCALE: N.T.S.



5 NEW ROOF DRAIN THROUGH EXISTING SLAB

SCALE: N.T.S.

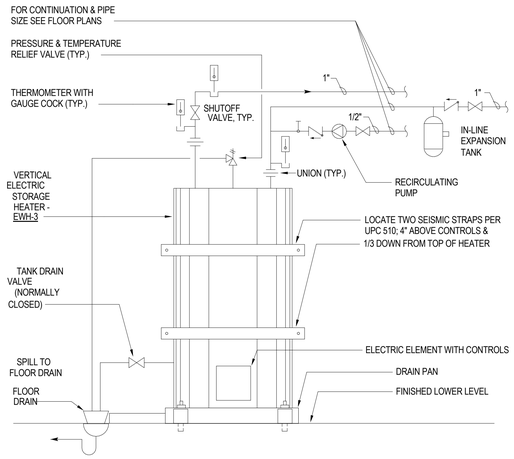


NOTES:

A. DO NOT INSTALL SPRINKLER HUB DRAIN IN EXIT ENCLOSURE, STAIRWAY , STAIRWAY VESTIBULE AND FIRE PUMP ROOM.

6 SPRINKLER HUB DRAIN

SCALE: N.T.S.



7 ELECTRIC WATER HEATER

SCALE: N.T.S.

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Revision	Date	Description
	08/08/2025	90% CD
	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

ISSUED FOR BID

DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

PLUMBING DETAILS SHEET 2

CONTRACT NUMBER: 25-532
SHEET NUMBER: P-401.00
SHEET 93 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-P-466-0
REV NO.: 0

PLUMBING MATERIAL SCHEDULE

NOTES:

1. FOR REQUIRED PRESSURE RATINGS SEE RISER DIAGRAM.
2. INSTALL IN TRENCH OR SPLIT TILE CONDUIT.
3. ALL MATERIALS SELECTED ON THIS SCHEDULE MUST BE BY THE LOCAL AUTHORITIES. APPROVED

PIPE

SYSTEM	REQUIRED	CAST IRON SOIL PIPE	CAST IRON WTR PIPE	DUCTILE IRON	STEEL SCHED 10	STEEL SCHED 30	STEEL SCHED 40	STAINLESS STEEL	TYPE "K" OR "L" MEDICAL GAS TUBE	TYPE"L"COPPER TUBING	TYPE"K"COPPER TUBING	RED BRASS PIPE	DWV COPPER DRAINAGE	BLACK	GALVANIZED	CEMENT LINED	COATED	MILL WRAPPED	UNPIGMENTED NATURAL POLYPROPYLENE	ACID RESIST. C.I. - SILICONE	POLYPROPYLENE - FIRE RETARDANT	BOROSILICATE GLASS	TP COPPER	COPPER NICKEL
DRAINAGE BURIED		X																						
VENTS BURIED		X																						
HOUSE DRAINS - INSIDE OF BLDG. WALL		X																						
HOUSE SEWERS - OUTSIDE OF BLDG. WALL TO PUBLIC SEWER				X																				
SANITARY STACKS		X																						
SANITARY BRANCHES		X					X						X		X									
LEADERS & STORM DRAINAGE SYSTEM		X					X								X									
SUMP DISCHARGE							X								X									
VENTS		X					X						X		X									
FIXTURE CONNECTIONS-WATER												X												
C.W. - 4" & SMALLER										X														
C.W. - 5" & LARGER							X			X					X									
C.W. - BURIED BUILDING SERVICE			X	X												X								
C.W. - BURIED INSIDE BUILDING											X													
H.W.										X														
GAS SERVICE							X							X				X						
GAS (3" AND SMALLER)							X							X										
GAS (4" AND LARGER)							X							X										

FITTINGS

SYSTEM	CAST IRON NO-HUB	C.I.HUB & SPIGOT	C.I.DRAINAGE PATTERN	CAST IRON	MALLEABLE IRON	EX.H.MALLEABLE IRON	CAST BRONZE	WROUGHT COPPER	CLASS D	LINED	BLACK	GALVANIZED	VICTAULIC	DUCTILE IRON	WELDED	MILL WRAPPED	UNPIGMENTED NATURAL POLYPROPYLENE	POLYPROPYLENE - DRAINAGE	BOROSILICATE GLASS	GROOVED	C.I.HUB & SPIGOT	THREADED	THREADLESS BRONZE
DRAINAGE BURIED		X																					
VENTS BURIED		X																					
HOUSE DRAINS - INSIDE OF BLDG. WALL		X																					
HOUSE SEWERS - OUTSIDE OF BLDG. WALL TO PUBLIC SEWER														X									
SANITARY STACKS	X	X																					
SANITARY BRANCHES	X		X				X																
LEADERS & STORM DRAINAGE SYSTEM	X		X																				
SUMP DISCHARGE			X									X	X										
VENTS	X						X	X				X											
FIXTURE CONNECTIONS-WATER							X																
C.W. - 4" & SMALLER							X	X															
C.W. - 5" & LARGER							X	X				X										X	
C.W. - BURIED BUILDING SERVICE									X	X				X									
C.W. - BURIED INSIDE BUILDING							X	X															
H.W.							X	X															
GAS SERVICE					X						X					X							
GAS (3" AND SMALLER)					X						X												
GAS (4" AND LARGER)											X				X								

JOINTS

SYSTEM	CAULKED	THREADED	SOLDERED	WELDED	BRAZED	MECH.JOINT-NO HUB	MECH.JOINT-GASKET	MECH.JOINT-FLANGED	VICTAULIC	HEAT SOCKET FUSION	FUSION RESISTANCE WIRE	MECHANICAL JOINT
DRAINAGE BURIED	X						X					
VENTS BURIED	X						X					
HOUSE DRAINS - INSIDE OF BLDG. WALL							X					
HOUSE SEWERS - OUTSIDE OF BLDG. WALL TO PUBLIC SEWER							X					
SANITARY STACKS						X	X					
SANITARY BRANCHES		X	X			X						
LEADERS & STORM DRAINAGE SYSTEM		X					X					
SUMP DISCHARGE		X							X			
VENTS		X	X			X						
FIXTURE CONNECTIONS-WATER		X										
C.W. - 4" & SMALLER			X		X							
C.W. - 5" & LARGER		X			X			X				
C.W. - BURIED BUILDING SERVICE	X											
C.W. - BURIED INSIDE BUILDING			X									
H.W.			X		X							
GAS SERVICE		X		X								
GAS (3" AND SMALLER)		X										
GAS (4" AND LARGER)				X								

DOMESTIC WATER SYSTEM SHUT-OFF VALVES

VALVE SPECIFICATION

	GATE	BALL	GLOBE	SCREWED	FLANGED
WATER SERVICE					
2" AND SMALLER	●			●	
3" AND LARGER	●				●
PUMP SUCTION					
2" AND SMALLER		●		●	
3" AND LARGER	●				●
PUMP DISCHARGE					
2" AND SMALLER 3"			●	●	
AND LARGER			●		●
PUMP DISCHARGE BRANCH ISOLATION EQUIP. ISOLATION					
2" AND SMALLER		●		●	
3" AND LARGER	●				●

NATURAL GAS SYSTEM SHUT-OFF VALVES

VALVE SPECIFICATION

GAS SYSTEM	LUBRICATED PLUG	GAS COCK	WELDED	SCREWED	FLANGED	SHORT PATTERN	REGULAR PATTERN
GAS SERVICE							
2" AND SMALLER	●			●		●	
2" AND LARGER	●				●		●
RISER CONTROL							
2" AND SMALLER	●			●		●	
2" AND LARGER	●				●		●
BRANCH ISOLATION							
2" AND SMALLER	●			●		●	
3" AND LARGER	●				●		●
SINGLE GAS BURNING EQUIPMENT.							
1" AND SMALLER		●		●		●	
LARGER THAN 1" SAME AS BRANCH ISOLATION	●						

FIXTURE SERVICE CONNECTION SCHEDULE

FIXTURES DESIGNATION	FIXTURE	MANUFACTURER	MODEL #	W	V	C.W.	H.W.	REMARKS
P-1	UNDERMOUNT SINK	KOHLER	K-3894	4"	2"	1-1/2"	---	STAINLESS STEEL UNDERMOUNT SINK. MANUAL PULLDOWN FAUCET WITH INTEGRAL VACUUM BREAKER. VIBRANT STAINLESS STEEL FINSIH.
	FAUCET	KOHLER	K-22972					
	P-TRAPS	MCGUIRE	8902 C					
	SUPPLIES	MCGUIRE	LF 167					
P-3	WALL MOUNTED TOILET	AMERICAN STANDARD	2257.101	4"	2"	3/4"	---	VITREOUS CHINA WALL HUNG WATER CLOSET; BATTERY OPERATED SENSOR 1.28 GPF TOP SPUD FLUSH VALVE
	CARRIER	ZURN	Z1201-N					
	FLUSH VALVE	AMERICAN STANDARD	6065.121.002					
	TOILET SEAT	BEMIS	1955CT					
P-4	LAVATORY	KOHLER Co.	K-2214-0	2"	2"	3/4"	3/4"	VITREOUS CHINA WALL UNDERMOUNT LAVATORY BASIN; PLUG IN ELECTRONIC SENSOR OPERATED FAUCET; POLISHED CHROME FINISH; 0.5 GPM FLOW RATE
	FAUCET	BOBRICK	B-8898					
	P-TRAPS	MCGUIRE	8902 C					
	SUPPLIES	MCGUIRE	LF 167					
P-6	SHOWER	KOHLER	K-TS395-4	3"	2"	3/4"	3/4"	
	SHOWER VALVE	KOHLER	K-8304					
	SHOWER DRAIN	ZURN	Z415-BZ1					
P-7	URINAL	TOTO	UT445UV	2"	2"	3/4"	3/4"	
	CARRIER	ZURN	Z1221					
	FLUSH VALVE	TOTO	TEU1UA12#CP					
P-9	WALL MOUNTED TOILET	WHITEHALL	WH2142-ADA-W-3-EGE10_10	2"	2"	3/4"	3/4"	LIGATURE RESISTANT
	FLUSH VALVE	WHITEHALL	WH2898					
P-10	SINK	WHITEHALL	WH3740	2"	2"	3/4"	3/4"	LIGATURE RESISTANT
	FAUCET	WHITEHALL	WH3375-SO					
	P-TRAPS	MCGUIRE	8902 C					
	SUPPLIES	MCGUIRE	LF 167					
P-12	WATER COOLER	ELKAY	LVRCGRNTL8C	2"	2"	3/4"	3/4"	---
P-13	WATER COOLER	ELKAY	LZO8L	2"	2"	3/4"	3/4"	---
P-14	MOP SINK	FIAT	TSB3013	2"	2"	3/4"	3/4"	HOSE/BRACKET COMBINATION: 832AA; SERVICE FAUCET ADAPTER: 834AA; MOP HANGER BRACKET 889CC
	FAUCET	FIAT	830AA					
	P-TRAPS	MCGUIRE	8902 C					
	SUPPLIES	MCGUIRE	LF 167					

PLUMBING FIXTURES

TENANT ZONE	OCCUPANCY CLASSIFICATION	OCCUPANT LOAD			WATER CLOSETS		LAVATORIES		DRINKING FOUNTAIN		SERVICE SINK	
		TOTAL	MEN	WOMEN	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
ZONE 1	B	61	31	31	M: 2 W: 2	3 TOTAL	M: 2 W: 2	3 TOTAL	0.44	2	1	1
	A3	0	0	0								
ZONE 2	B	26	13	13	SEE NOTE 4	2 TOTAL	SEE NOTE 4	2 TOTAL	0.12	2	1	1
	A3	0	0	0								
ZONE 3*	B	123	62	63	M: 3 W: 3	5 TOTAL	M: 2 W: 2	5 TOTAL	1.06	2	2	2
	A3	134	68	67	M: 1 W: 2	3 TOTAL	M: 2 W: 2	3 TOTAL	0.43	2		

*NOTE: PER NYS PLUMBING CODE 403.1.1: "THE TOTAL NUMBER OF FIXTURES SHALL BE PERMITTED TO BE BASED ON ANY COMBINATION OF SINGLE-USER, MULTI-USER AND SEPARATE FACILITIES" PER NYS PLUMBING CODE 403.3.3: "...THE REQUIRED PUBLIC AND EMPLOYEE TOILET FACILITY SHALL BE LOCATED NOT MORE THAN ONE STORY ABOVE OR BELOW THE SPACE REQUIRED TO BE PROVIDED WITH TOILET FACILITIES, AND THE PATH OF TRAVEL TO SUCH FACILITIES SHALL NOT EXCEED A DISTANCE OF 500 FEET" PER NYS PLUMBING CODE 410.4: "...WATER DISPENSERS SHALL BE PERMITTED TO BE SUBSTITUTED FOR NOT MORE THAN 50 PERCENT OF THE REQUIRED NUMBER OF DRINKING FOUNTAINS PER NYS PLUMBING CODE 403.2.2: SEPARATE FACILITIES SHALL NOT BE REQUIRED IN TENANT SPACES WITH A TOTAL OCCUPANT LOAD OF 15 OR FEWER

B BUSINESS OCCUPANTS

OCCUPANCY GROUP	OCCUPANTS	TENANT ZONE
BUSINESS GROUP B	43	1
BUSINESS GROUP B	13	2
BUSINESS GROUP B	106	3

A-3 ASSEMBLY OCCUPANTS

OCCUPANCY GROUP	OCCUPANTS	TENANT ZONE
ASSEMBLY GROUP A-3	213	3

NON-PRESSURE VESSEL AND PIT SCHEDULE

DESIGNATION	NO. REQUIRED	APPLICATION	USABLE TOTAL (GALLONS)	SIZE LENGTH X WIDTH X HT. (FEET)	ALARMS (FROM BOTTOM OF TANK OR PIT) HIGH WATER	1ST PUMP ON	2ND PUMP ON	1ST PUMP OFF	2ND PUMP OFF	ALTERNATE LEAD PUMP	REMARKS
EPP-1	1	ELEVATOR SUMP PIT	---	2'-0" X 2'-0" X 2'-0"	---	---	---	---	---	---	

PUMP SCHEDULE

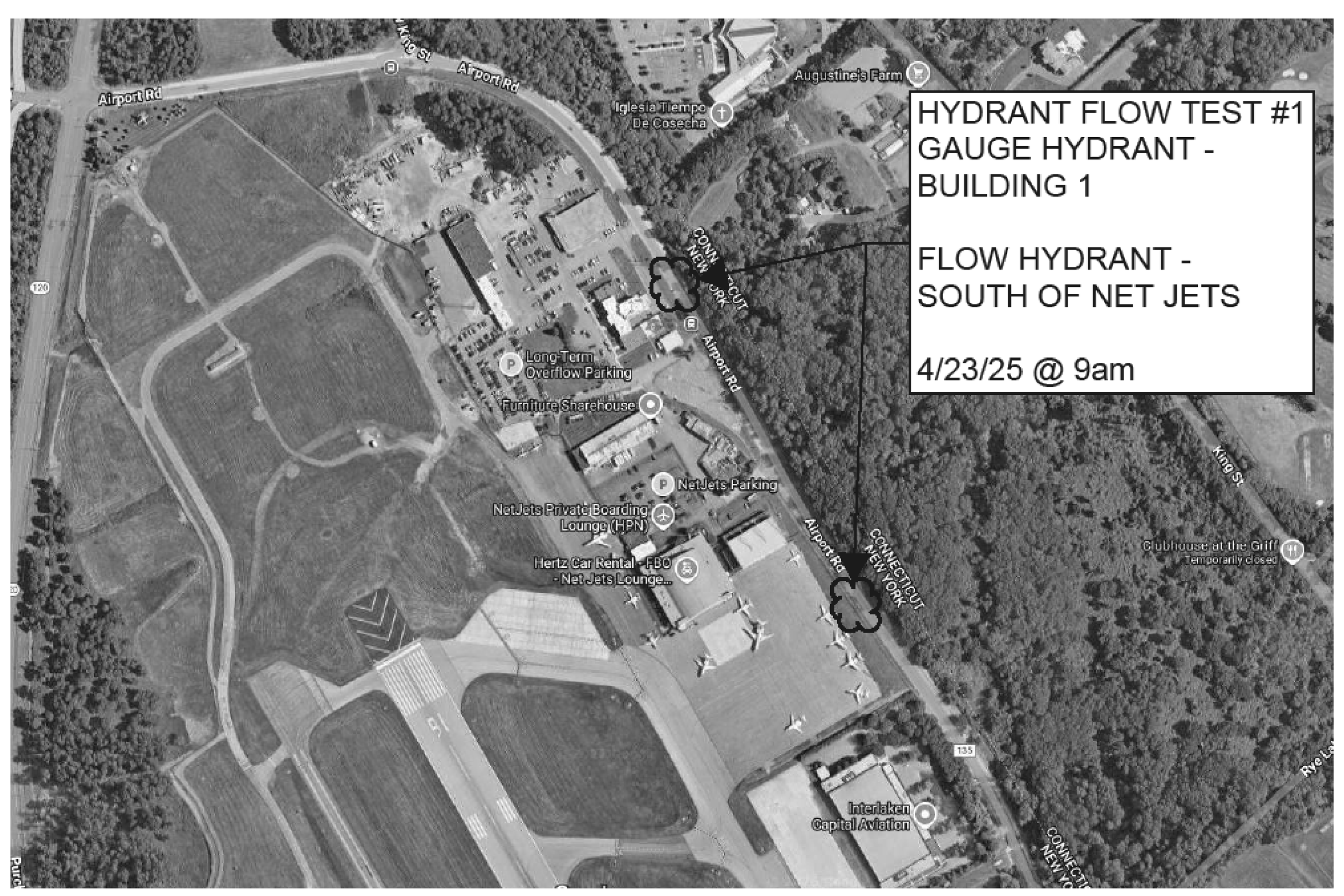
DESIGNATION	NO. REQUIRED	SERVICE	LOCATION	FLOW RATE (G.P.M.)	DYNAMIC HEAD (FT.)	MANUFACTURER MODEL NUMBER	IN LINE	SUBMERSIBLE	MOTOR MINIMUM H.P.	R.P.M.	VOLTS	PHASE	CYCLES (Hz)	AUTOMATIC CONTROL	PILOT LIGHT	PRESSURE GAUGE RANGE	ALARMS REQUIRED	EMERGENCY POWER REQUIRED	REMARKS
EPP-1	1	ELEVATOR SUMP PUMP	SUB-CELLAR	50	22	STANCOR SE50-OM		●	0.5	3600	115	1	60	●			●	●	
CP-1	1	CIRCULATION PUMP	MECHANICAL ROOM	10	30	---	●		---	---	115	1	60	●		●			ALL STAINLESS STEEL. PROVIDE AQUASTAT FOR PUMP CONTROL TO STOP PUMP WHEN LOOP IS DESIRED TEMPERATURE, AND WHEN THERE IS NO DEMAND DURING OFF HOURS.

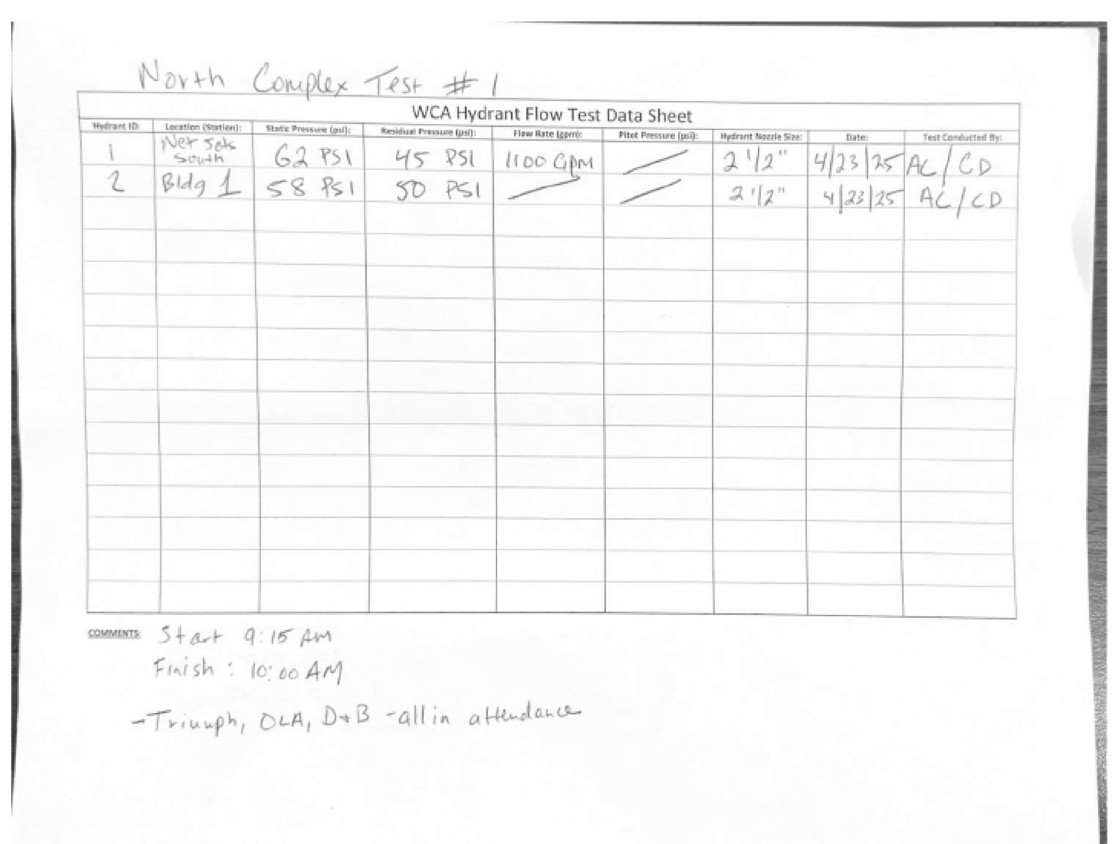
ELECTRIC STORAGE-TYPE WATER HEATER SCHEDULE

TAG TYPE	TAG MARK	LOCATION ROOM NAME	RECOVERY (GPH)	TEMP. RISE (°F)	GALLONS STORAGE	ELECTRIC INFO. INPUT kW	VOLTAGE	PHASE	MANUFACTURER	MODEL NUMBER	EXPANSION TANK MANUFACTURER	EXPANSION TANK MODEL NUMBER	COMMENTS
EWH	1	PLUMBING ROOM	74	100	50	15	208	3	AO SMITH	DRE-52-15	WATTS	PLT-12	STORAGE TANK WATER HEATER. SET AT 140°. SPILL DRAIN OVER FLOOR DRAIN.

SPECIALTY EQUIPMENT SCHEDULE

FIXTURE TYPE	TAG	MANUFACTURER	MODEL NUMBER	REMARKS
HOSE BIBB	HB-1	ZURN	1344	BRASS HOSE BIBB. PROVIDE IN MECHANICAL ROOMS.
WALL HYDRANT	NFWH-1	ZURN	Z1320-EZ	WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER.
MASTER MIXING VALVE	TMV-1	---	---	PROVIDE AT WATER HEATER, SET TO 120 DEG F. DIGITAL MIXING VALVE.
TRAP PRIMER	TP-1	PPP	PR-500	PRESSURE DROP TRAP PRIMER.
TRAP PRIMER	TP-2	PPP	MP500	ELECTRONIC TRAP PRIMER.
BACKFLOW PREVENTER	BFP-1	WATTS	LF957 OS&Y	DOMESTIC WATER INCOMING SERVICE RPZA.
BACKFLOW PREVENTER	BFP-2	WATTS	709DCDA	FIRE WATER INCOMING SERVICE DCDA.
WATER HAMMER ARRESTOR	WHA-1	ZURN	1260XL	SIZE WATER HAMMER ARRESTOR APPROPRIATELY FOR EACH INSTALLATION LOCATION PER PDI GUIDELINES.
VACUUM BREAKER	VB-1	WATTS	LF288A	LEAD FREE VACUUM BREAKER.
AIR GAP	AG-1	WATTS	995-AG	AIR GAP FOR INSTALLATION WITH DOMESTIC WATER INCOMING SERVICE RPDA.
ROOF DRAIN	RD-1	ZURN	Z100F	
OVERFLOW ROOF DRAIN	OD-1	ZURN	Z100F-89	INCLUDE 3" OVERFLOW DAM INTEGRAL TO ROOF DRAIN
FLOOR DRAIN	FD-1	ZURN	Z415B	FINISH AREA FLOOR DRAIN
FLOOR DRAIN	FD-2	ZURN	Z415I	MECHANICAL AREA FLOOR DRAIN





North Complex Test #1

WCA Hydrant Flow Test Data Sheet

Hydrant ID:	Location (Station):	Static Pressure (psi):	Residual Pressure (psi):	Flow Rate (gpm):	Pitot Pressure (psi):	Hydrant Nozzle Size:	Date:	Test Conducted By:
1	Net Jets South	62 PSI	45 PSI	1100 GPM	—	2 1/2"	4/23/25	AC/CD
2	Bldg 1	58 PSI	50 PSI	—	—	2 1/2"	4/23/25	AC/CD

COMMENTS: Start 9:15 AM
Finish: 10:00 AM
-Triumph, OLA, D+B -all in attendance

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DATE: 09/02/2026

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AS BUILT - CHANGES AS NOTED
AS BUILT - NO CHANGES

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PLUMBING SCHEDULES

CONTRACT NUMBER 25-532
SHEET NUMBER P-500.00
SHEET 94 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-P-467-0
REV NO. 0

MECHANICAL LEGEND AND ABBREVIATIONS

EQUIPMENT ABBREVIATIONS

AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
CF	CEILING FAN
CH	CHILLER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
ECH	ELECTRIC CABINET HEATER
EC	EVAPORATIVE CONDENSER
EF	EXHAUST FAN
EHC	ELECTRIC HEATING COIL
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
F	FILTER
FCU	FAN COIL UNIT
FSD	FIRE AND SMOKE DAMPER
FTR	FIN TUBE RADIATOR
H	HUMIDIFIER
HC	HEATING COIL
HP	HEAT PUMP
HWT	HOT WATER TANK
HX	HEAT EXCHANGER
KXU	KITCHEN EXHAUST UNIT
MAU	MAKE-UP AIR UNIT
P	PUMP
RF	RETURN FAN
RHC	REHEAT COIL
RTU	ROOFTOP UNIT (PACKAGED)
SD	SMOKE DAMPER
SEF	SMOKE EXHAUST FAN
SF	SUPPLY FAN
TF	TRANSFER FAN
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME TERMINAL UNIT

EQUIPMENT TAG LEGEND

CT 1-1	EQUIPMENT DESIGNATION — EQUIPMENT TYPE; EQUIPMENT FLOOR AND NUMBER
3-24	TERMINAL DESIGNATION — 3-24: THE NUMBER ON THE FLOOR; FLOOR OR LEVEL
CD-A.12x12 (550)	CEILING DIFFUSER DEVICE DESIGNATION — TYPE; NECK SIZE; CFM
LD-A.48x1.8Ø (300)	LINEAR DIFFUSER DEVICE DESIGNATION — TYPE; LENGTH & SLOT SIZE; PLENUM INLET SIZE; CFM
SR-A.24x10 (430)	SIDEWALL REGISTER DEVICE DESIGNATION — TYPE; FACE SIZE; CFM

HVAC CODE COMPLIANCE

- 2020 NEW YORK STATE BUILDING CODE
- 2020 NEW YORK STATE MECHANICAL CODE

GENERAL ABBREVIATIONS

ABV	ABOVE
ACD	AUTOMATIC CONTROL DAMPER
AD	ACCESS DOOR
AL	ACOUSTICAL LINING
ARCH	ARCHITECTURAL
BD	BALANCING DAMPER
BDD	BACK DRAFT DAMPER
BAS	BUILDING AUTOMATION SYSTEM
BHP	BRAKE HORSE POWER
BPV	BY-PASS VALVE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CR	CEILING REGISTER
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING TO REMAIN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EFF	EFFICIENCY
EWT	ENTERING WATER TEMPERATURE
°F	DEGREES FAHRENHEIT
FD	FUSIBLE LINK FIRE DAMPER W/ DUCT ACCESS DOOR
FLR	FLOOR
FLA	FULL LOAD AMPS
FT	FEET
GPM	GALLONS PER MINUTE
HP	HORSE POWER
HW	HOT WATER
IN	INCHES
KW	KILOWATT
KWH	KILOWATT HOURS
KX	KITCHEN EXHAUST
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MFG	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW
NFA	NET FREE AREA
NK	NECK
NTS	NOT TO SCALE
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (GAUGE)
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SENS	SENSIBLE
SP	STATIC PRESSURE
SQFT	SQUARE FEET
TRD	TRANSFER DUCT
TRG	TRANSFER GRILLE
TX	TOILET EXHAUST
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
WMS	WIRE MESH SCREEN
(300)	CUBIC FEET OF AIR PER MINUTE OR GALLONS PER MINUTE

PIPING LEGEND

CWS / CWS	CONDENSER WATER SUPPLY
CWR / CWR	CONDENSER WATER RETURN
CHWS / CHWS	CHILLED WATER SUPPLY (PRIMARY)
CHWR / CHWR	CHILLED WATER RETURN (PRIMARY)
HWS / HWS	HOT WATER SUPPLY (PRIMARY)
HWR / HWR	HOT WATER RETURN (PRIMARY)
GS / GS	GLYCOL SUPPLY
GR / GR	GLYCOL RETURN
RL / RL	REFRIGERANT LIQUID PIPING
RS / RS	REFRIGERANT SUCTION PIPING
DCW / DCW	DOMESTIC COLD WATER MAKE-UP
D / D	DRAIN LINE
	CAPPED PIPE WITH SHUT-OFF VALVE
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	BOTTOM PIPE CONNECTION
	SHUT-OFF VALVE
	AUTOMATIC FLOW CONTROL VALVE
	CALIBRATED BALANCE VALVE
	GLOBE VALVE
	CHECK VALVE
	AUTOMATIC THREE-WAY CONTROL VALVE
	AUTOMATIC TWO-WAY CONTROL VALVE
	RELIEF VALVE
	PRESSURE REDUCING VALVE (PRV)
	SOLENOID VALVE
	PUMP
	"Y" TYPE STRAINER WITH HOSE END BLOW OFF VALVE
	"Y" TYPE STRAINER
	PIPE CAP

DUCTWORK LEGEND

18x8 / 18x8	RECTANGULAR DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST DIMENSION INDICATES VISIBLE SIDE
18Ø / 18ø	ROUND DUCT DIAMETER SIZE (CLEAR INSIDE DIMENSION)
	RADIUS ELBOW
	ELBOW WITH TURNING VANES
	RECTANGULAR BRANCH TAKEOFF WITH BALANCING DAMPER
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
	SIDE, TOP OR BOTTOM DUCT ACCESS DOOR
	ACOUSTIC LINING IN DUCT (DUCT SIZE NOTED INDICATES INSIDE DIMENSIONS)
	RECTANGULAR OR SQUARE TO ROUND OR OVAL TRANSITION
	DUCT END/CAP
	VOLUME DAMPER IN DUCT
	AUTOMATIC CONTROL DAMPER
	FUSIBLE LINK FIRE DAMPER WITH DUCT ACCESS DOOR
	SMOKE DAMPER WITH DUCT ACCESS DOOR
	COMBINATION FIRE AND SMOKE DAMPER WITH DUCT ACCESS DOOR
	BACK DRAFT DAMPER WITH DUCT ACCESS DOOR
	CEILING DIFFUSER WITH AND WITHOUT FLEXIBLE DUCT CONNECTION
	RETURN REGISTER OR GRILLE WITH AND WITHOUT FLEXIBLE DUCT CONNECTION
	EXHAUST REGISTER OR GRILLE WITH AND WITHOUT FLEXIBLE DUCT CONNECTION
	ROUND CEILING DIFFUSER WITH AND WITHOUT FLEXIBLE DUCT CONNECTION
SR-A.12x8 (200) / SR-A.12x8 (200)	SUPPLY REGISTER WITH AIR OUTLET DEVICE DESIGNATION
ER-C.12x8 (200) / ER-C.12x8 (200)	RETURN OR EXHAUST REGISTER OR GRILLE WITH AIR INLET DEVICE DESIGNATION
	LINEAR DIFFUSER
	LINEAR DIFFUSER WITH PLENUM

MECHANICAL SHEET LIST

SHEET NUMBER	SHEET NAME
M-001	MECHANICAL LEGEND AND ABBREVIATIONS
M-100	MECHANICAL FIRST FLOOR DEMOLITION PLAN
M-101	MECHANICAL SECOND FLOOR DEMOLITION PLAN
M-102	MECHANICAL ROOF DEMOLITION PLAN
M-200	MECHANICAL FIRST FLOOR PLAN
M-200A	MECHANICAL FIRST FLOOR PART PLAN
M-201	MECHANICAL SECOND FLOOR PLAN
M-202	MECHANICAL LOWER ROOF PLAN
M-203	MECHANICAL UPPER ROOF PLAN
M-300	MECHANICAL PIPING FIRST FLOOR PLAN
M-301	MECHANICAL PIPING SECOND FLOOR PLAN
M-601	MECHANICAL SCHEDULES
M-602	MECHANICAL SCHEDULES #2
M-701	MECHANICAL DETAILS SHEET #1
M-702	MECHANICAL DETAILS SHEET #2
M-703	MECHANICAL DETAILS SHEET #3
M-704	MECHANICAL DETAILS SHEET #4
M-801	MECHANICAL CONTROL DIAGRAMS #1
M-802	MECHANICAL CONTROL DIAGRAMS #2

MISCELLANEOUS

CO 1-1	CARBON MONOXIDE SENSOR WITH ZONE DESIGNATION
CO_2 1-1	CARBON DIOXIDE SENSOR WITH ZONE DESIGNATION
T 1-1	TEMPERATURE SENSOR/THERMOSTAT WITH ZONE OR EQUIPMENT DESIGNATION
H 1-1	HUMIDISTAT/HUMIDITY SENSOR WITH HUMIDIFIER DESIGNATION
TH 1-1	COMBINATION TEMPERATURE/HUMIDITY SENSOR
S	DUCT SMOKE DETECTOR SUPPLIED BY ELECTRICAL TRADE, INSTALLED BY MECHANICAL TRADE
P 1-1	STATIC PRESSURE SENSOR WITH DESIGNATION
R 1-1	REFRIGERANT SENSOR WITH DESIGNATION
B / B	TOTALIZING BTU METER
E	EMERGENCY BREAK GLASS SWITCH FOR EQUIPMENT SHUT-DOWN
F / F	FLOW MEASURING STATION
	FLOW SWITCH
DP	DIFFERENTIAL PRESSURE SENSOR
DP	DIFFERENTIAL PRESSURE SWITCH
	NEW WORK
	EXISTING WORK
	EXISTING WORK TO BE REMOVED
	POINT OF NEW CONNECTION TO EXISTING WORK
	POINT OF DISCONNECT FROM EXISTING WORK
	OVAL
Ø	DIAMETER
	UNDERCUT DOOR
HW 1	RISER DESIGNATION — RISER SERVICE; RISER NUMBER
1 M3.1	SECTION DESIGNATION — SECTION NUMBER; DRAWING NUMBER
1 M2.1	DETAIL DESIGNATION — DETAIL NUMBER; DRAWING NUMBER



SITE LOCATION
SCALE: NTS

WORK ALTERATION - LEVEL 3
1 LOOP ROAD, NORTH CASTLE
SECTION, BLOCK, LOT DESIGNATION - 110.03-1-3

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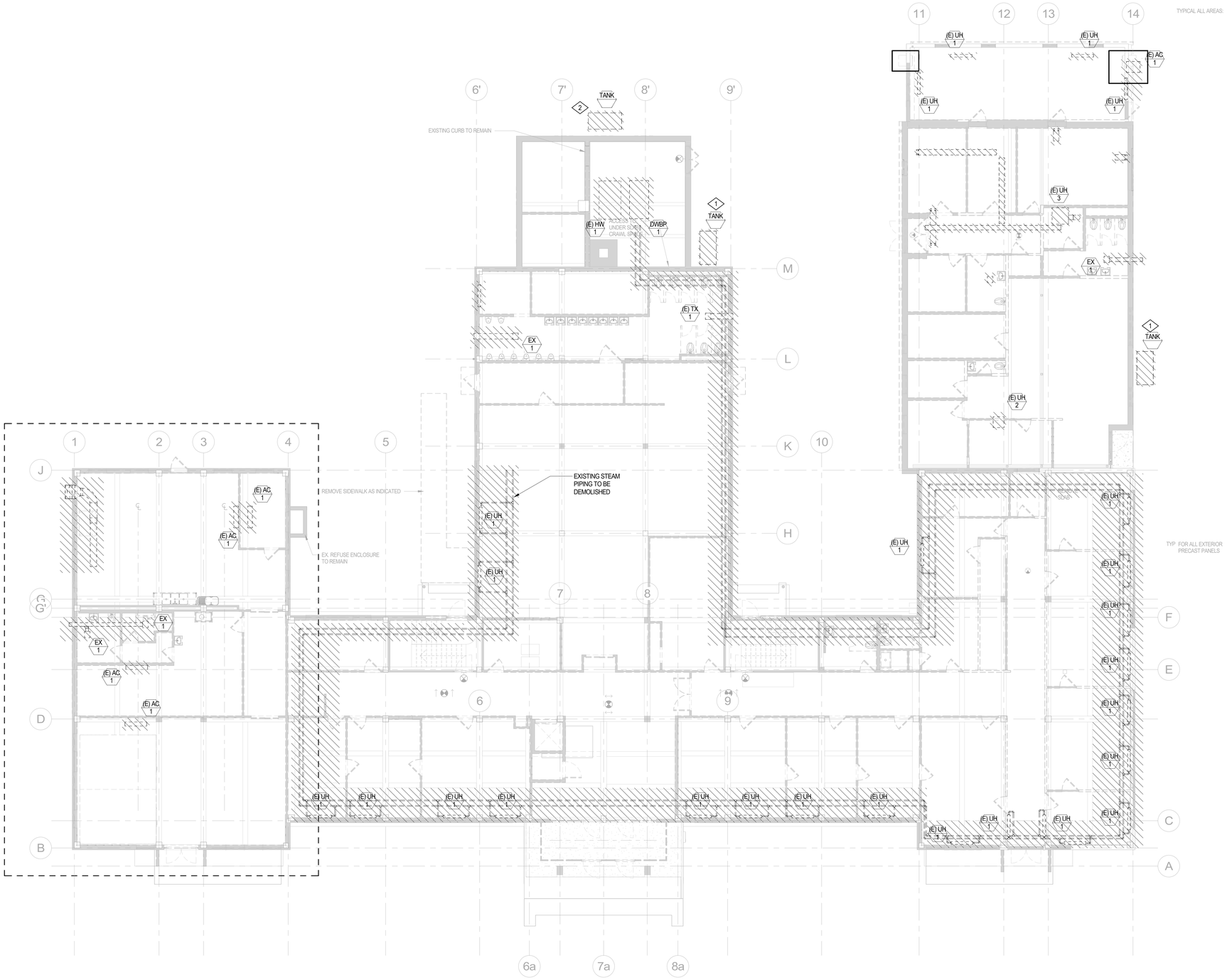
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SIGNATURE:
TITLE:

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MECHANICAL LEGEND AND ABBREVIATIONS

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-001
SHEET 95 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-468-0
REV.NO.: 0



1 LEVEL 01 - DEMO
1/8" = 1'-0"

MECHANICAL DEMOLITION NOTES:

1. REMOVE ALL EXISTING MECHANICAL EQUIPMENT AS INDICATED ON THIS DRAWING.
2. ALL MECHANICAL SYSTEMS, PIPING, AND DUCTWORK NOT EXPLICITLY SHOWN ON THIS DRAWING SHALL FALL WITHIN THE DEMOLITION SCOPE OF THIS PROJECT. GC TO INCLUDE FULL DEMOLITION OF ALL MECHANICAL SYSTEMS WITHIN THE BUILDING AS PART OF THE BASE SCOPE.
3. ALL DEMOLITION FILING AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE WESTCHESTER COUNTY AND ALL APPLICABLE AGENCIES, RULES, LAWS AND REGULATIONS HAVING JURISDICTION.
4. PRIOR TO THE START OF DEMOLITION, CONTRACTOR SHALL CONFIRM WITH OWNERSHIP AND ENVIRONMENTAL CONSULTANT AND REMEDIATION CONTRACTOR RETAINED AS PART OF THE CONSTRUCTION PHASE, THAT ALL ABATEMENT OF ASBESTOS CONTAINING MEDIUMS HAVE BEEN ABATED AND REMOVED FROM THE PREMISES. IN ADDITION, ALL LEAD PAINT REMOVAL AND MOLD FOR REMEDIATION SHALL BE COMPLETED PRIOR TO THE START OF DEMOLITION. ASBESTOS ABATEMENT SHALL BE COMPLETED BY REMEDIATION ABATEMENT COMPANY AND IS NOT THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
5. PATCHING REQUIREMENTS FOR ALL TRADES WORK CAN BE FOUND ON ARCHITECTURAL DRAWINGS.
6. ALL FUEL OIL TANK REMOVAL SHALL BE FILLED WITH WESTCHESTER COUNTY DOH. GC TO OBTAIN THE PROPER TANK CLOSURE PERMIT. MC TO COORDINATE WITH GC AND CODE ENFORCEMENT FOR TANK REMOVAL PRIOR TO THE START OF CONSTRUCTION.

X MECHANICAL DEMOLITION KEY NOTES:

1. EXISTING FUEL OIL TANK TO BE DEMOLISHED AS PART OF THIS PROJECT.
2. EXISTING BURIED FUEL OIL TANK TO BE LOCATED, COINFIRMED HAS BEEN EMPTIED AND CLEANED, AND REMOVED.
3. ALL REFRIGERATION EQUIPMENT AND SUPLIMENTAL SPLIT SYSTEMS LOCATED WITHIN DASHED REGION SHALL BE REMOVED AS PART OF THIS PROJECT BY THE EXISTING TENENT.

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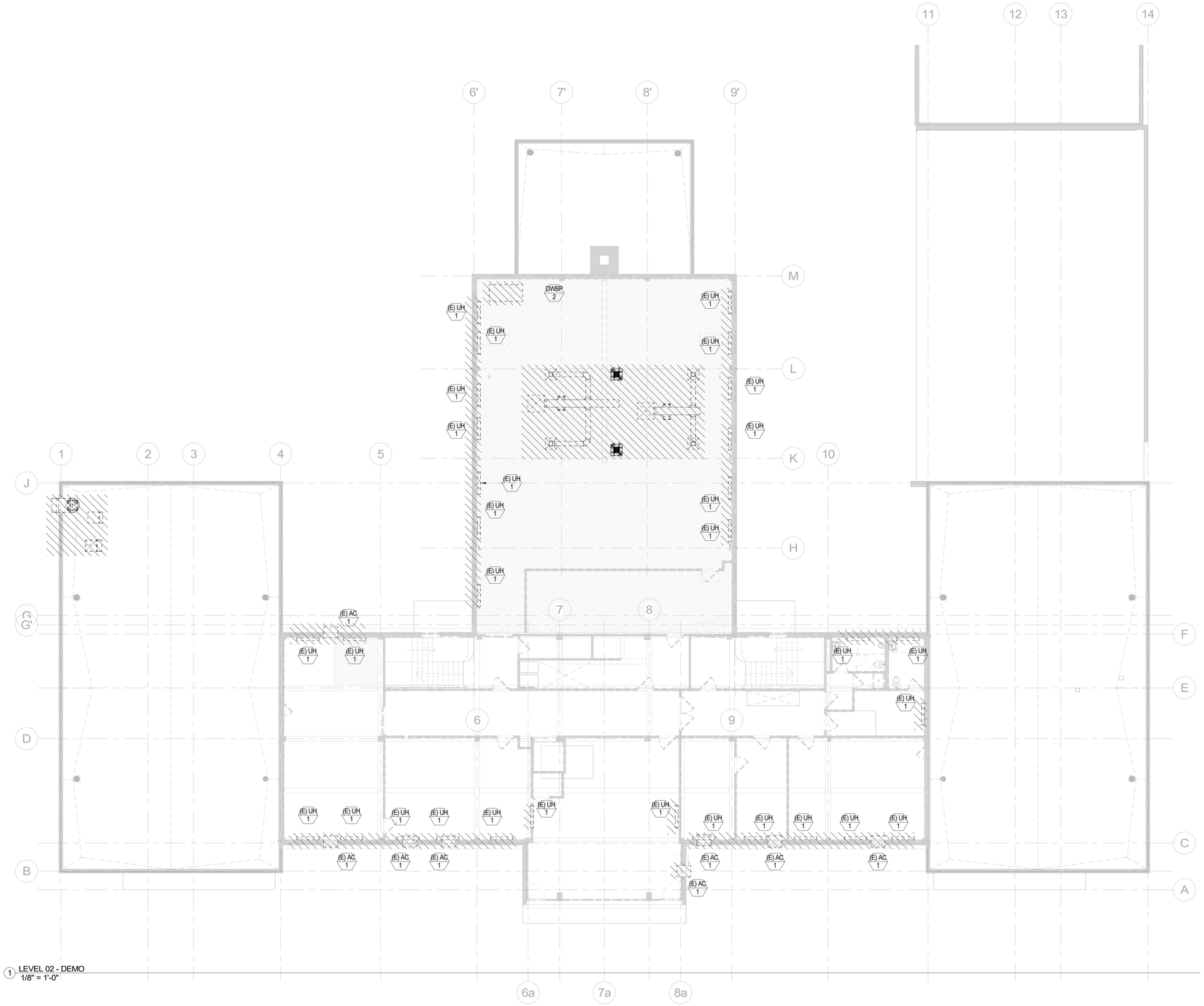
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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MECHANICAL FIRST FLOOR DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-100
SHEET 96 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-469-0
REV NO.: 0



1 LEVEL 02 - DEMO
1/8" = 1'-0"

MECHANICAL DEMOLITION NOTES:

1. REMOVE ALL EXISTING MECHANICAL EQUIPMENT AS INDICATED ON THIS DRAWING.
2. ALL MECHANICAL SYSTEMS, PIPING, AND DUCTWORK NOT EXPLICITLY SHOWN ON THIS DRAWING SHALL FALL WITHIN THE DEMOLITION SCOPE OF THIS PROJECT. GC TO INCLUDE FULL DEMOLITION OF ALL MECHANICAL SYSTEMS WITHIN THE BUILDING AS PART OF THE BASE SCOPE.
3. ALL DEMOLITION FILING AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NYS DEPARTMENT OF BUILDINGS AND ALL APPLICABLE AGENCIES, RULES, LAWS AND REGULATIONS HAVING JURISDICTION.
4. PRIOR TO THE START OF DEMOLITION, CONTRACTOR SHALL CONFIRM WITH OWNERSHIP AND ENVIRONMENTAL CONSULTANT AND REMEDIATION CONTRACTOR RETAINED AS PART OF THE CONSTRUCTION PHASE, THAT ALL ABATEMENT OF ASBESTOS CONTAINING MEDIUMS HAVE BEEN ABATED AND REMOVED FROM THE PREMISES. IN ADDITION, ALL LEAD PAINT REMOVAL AND MOLD FOR REMEDIATION SHALL BE COMPLETED PRIOR TO THE START OF DEMOLITION. ASBESTOS ABATEMENT SHALL BE COMPLETED BY REMEDIATION ABATEMENT COMPANY AND IS NOT THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
5. PATCHING REQUIREMENTS FOR ALL TRADES WORK CAN BE FOUND ON ARCHITECTURAL DRAWINGS.

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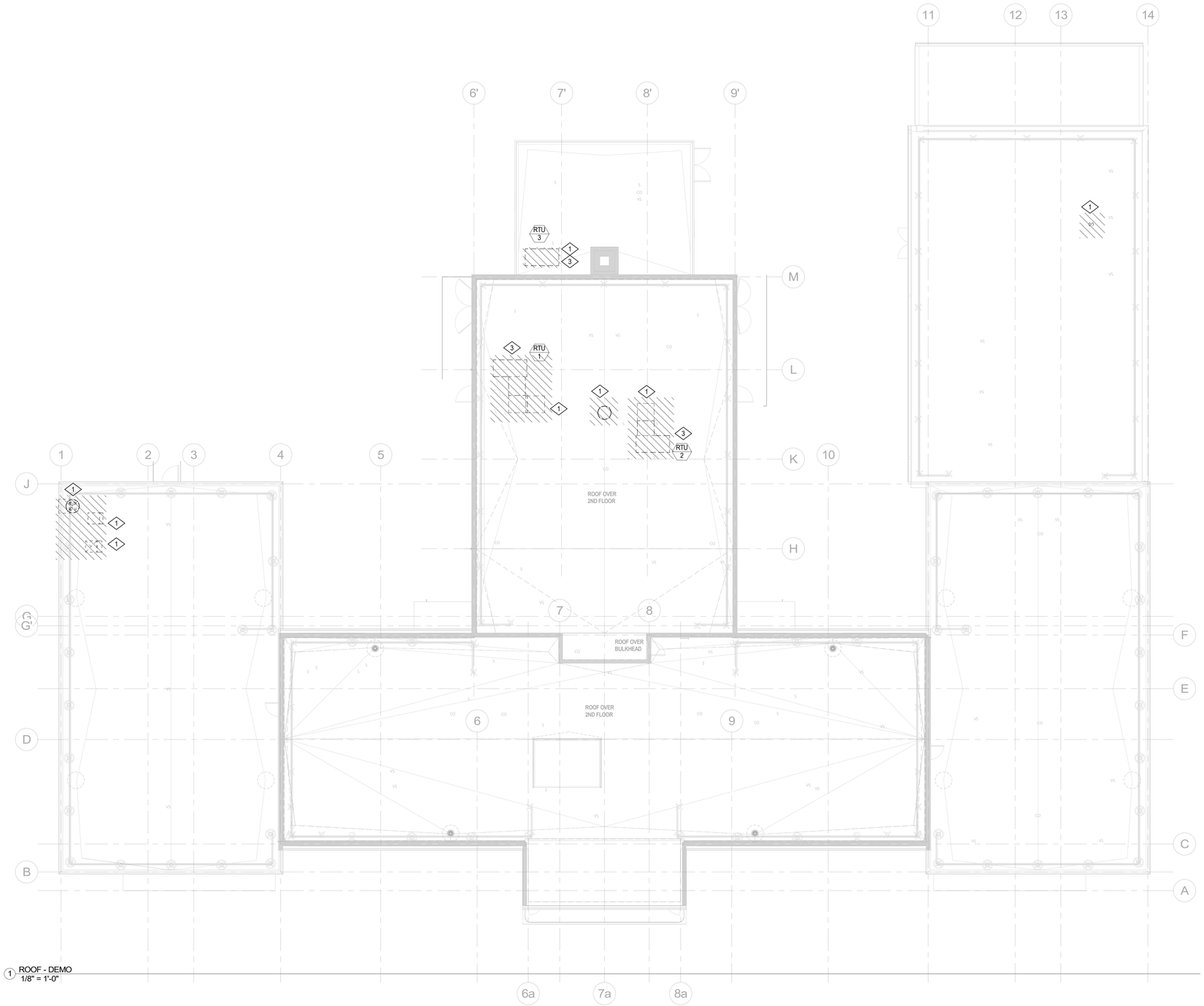
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MECHANICAL SECOND FLOOR DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-101
SHEET 97 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-470-0
REV.NO.: 0



1 ROOF - DEMO
1/8" = 1'-0"

MECHANICAL DEMOLITION NOTES:

1. REMOVE ALL EXISTING MECHANICAL EQUIPMENT AS INDICATED ON THIS DRAWING.
2. ALL MECHANICAL SYSTEMS, PIPING, AND DUCTWORK NOT EXPLICITLY SHOWN ON THIS DRAWING SHALL FALL WITHIN THE DEMOLITION SCOPE OF THIS PROJECT. GC TO INCLUDE FULL DEMOLITION OF ALL MECHANICAL SYSTEMS WITHIN THE BUILDING AS PART OF THE BASE SCOPE.
3. ALL DEMOLITION FILING AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NYS DEPARTMENT OF BUILDINGS AND ALL APPLICABLE AGENCIES, RULES, LAWS AND REGULATIONS HAVING JURISDICTION.
4. PRIOR TO THE START OF DEMOLITION, CONTRACTOR SHALL CONFIRM WITH OWNERSHIP AND ENVIRONMENTAL CONSULTANT AND REMEDIATION CONTRACTOR RETAINED AS PART OF THE CONSTRUCTION PHASE, THAT ALL ABATEMENT OF ASBESTOS CONTAINING MEDIUMS HAVE BEEN ABATED AND REMOVED FROM THE PREMISES. IN ADDITION, ALL LEAD PAINT REMOVAL AND MOLD FOR REMEDIATION SHALL BE COMPLETED PRIOR TO THE START OF DEMOLITION. ASBESTOS ABATEMENT SHALL BE COMPLETED BY REMEDIATION ABATEMENT COMPANY AND IS NOT THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
5. PATCHING REQUIREMENTS FOR ALL TRADES WORK CAN BE FOUND ON ARCHITECTURAL DRAWINGS.

X MECHANICAL KEY NOTES:

1. EXISTING DUCTWORK ROOF PENETRATIONS TO BE CAPPED AND PATCHED DURING NEW CONSTRUCTION PHASE. COORDINATE ALL ROOF SCOPE OF WORK WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. ALL EXISTING ROOF TOP UNITS SHALL BE BROKEN DOWN FOR REMOVAL OFF OF THE ROOF. COORDINATE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH GC.
3. 5-NOMINAL TON RTU TO BE DEMOLISHED. EXISTING DUCT ROOF PENETRATION TO BE NEATLY PATCHED AND INFILLED. COORDINATE WORK WITH GC AND ROOFING CONTRACTOR.

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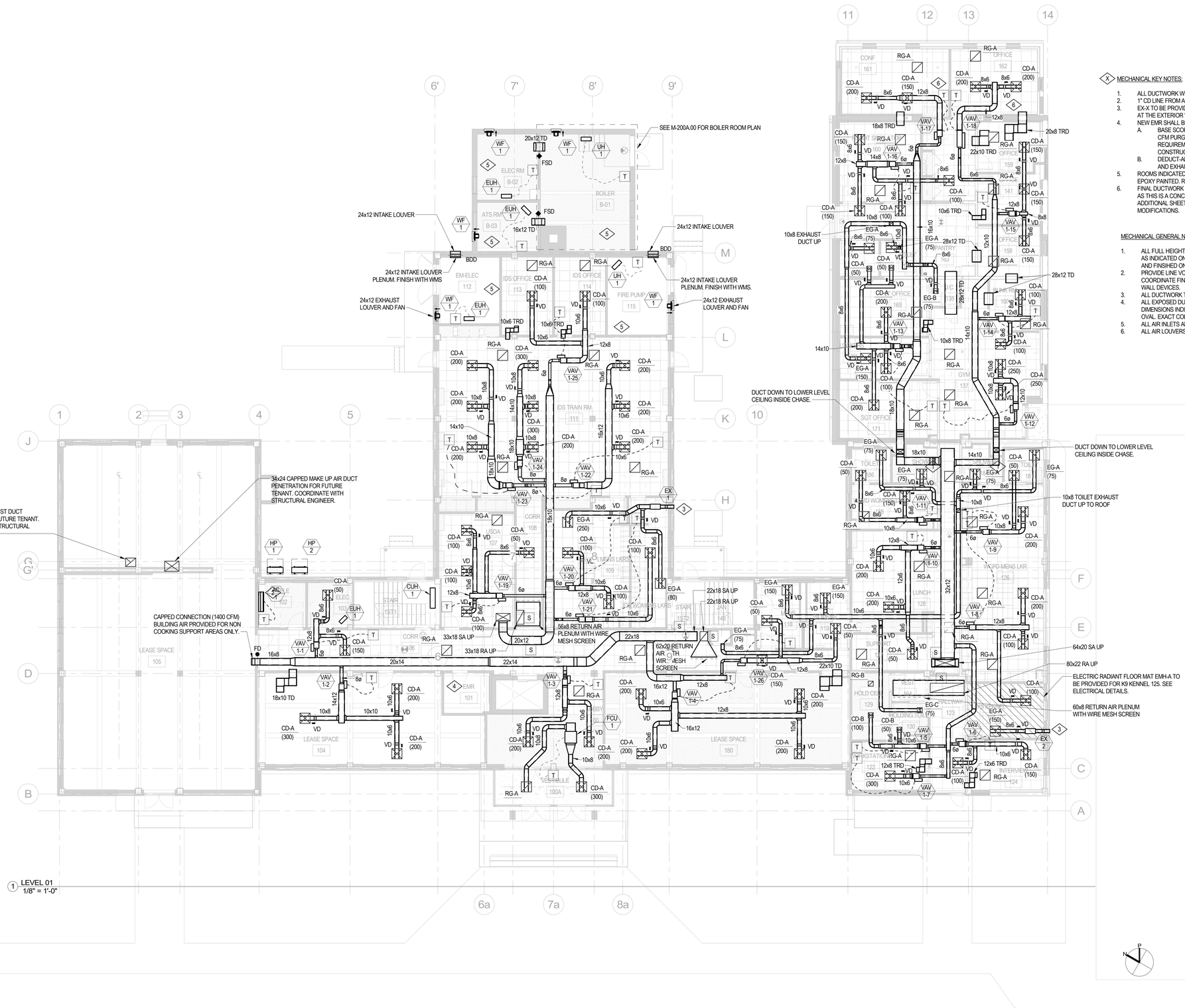
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MECHANICAL ROOF DEMOLITION PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER M-102
SHEET 98 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-M-471-0
REV NO. 0



X MECHANICAL KEY NOTES:

1. ALL DUCTWORK WITHIN THE LOCKER ROOM AND SHOWER SPACE SHALL BE ALUMINUM.
2. 1" CD LINE FROM AC-1 TO BE ROUTED TO JAN 148 AND CONNECTED TO THE DRAIN.
3. EX-X TO BE PROVIDED WITH BACKDRAFT DAMPER AT WALL PENETRATION AS WELL AS A RAIN CAP AT THE EXTERIOR WALL. COORDINATE FINAL LOCATION WITH ARCHITECT AND GC.
4. NEW EMR SHALL BE PROVIDED WITH THE FOLLOWING SYSTEMS:
   A. BASE SCOPE: EMR TO BE PROVIDED WITH A SPLIT DX UNIT (MIN. 6000 BTU/H) AND A 500 CFM PURGE FAN WITH REFRIGERANT LEAK DETECTION COMPLIANT WITH ASHRAE 15 REQUIREMENTS. FINAL LOADS TO BE CONFIRMED WITH ELEVATOR VENDOR DURING CONSTRUCTION.
   B. DEDUCT-ALT SCOPE: EMR SHALL BE PROVIDED WITH EXHAUST VIA CEILING HUNG FAN AND EXHAUSTED THROUGH THE FASCAD OF THE BUILDING.
5. ROOMS INDICATED WITH THIS KEY NOTE SHALL HAVE ALL FLOORS, WALLS, AND CONCRETE PADS EPOXY PAINTED. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL.
6. FINAL DUCTWORK ROUTING IN THIS AREA TO BE FIELD CONFIRMED ONCE DEMOLITION OCCURS AS THIS IS A CONCEALED CONDITION AT THE TIME OF DESIGN. CONTRACTOR TO CARRY ADDITIONAL SHEET METAL AND INSULATION ALLOWANCE UP TO 30' FOR ANY FIELD MODIFICATIONS.

MECHANICAL GENERAL NOTES:

1. ALL FULL HEIGHT WALLS SHALL BE PROVIDED WITH TRANSFER DUCTS OR TRANSFER OPENINGS AS INDICATED ON THIS PLAN. TRANSFER DUCTS SHALL BE PROVIDED WITH 1" ACOUSTICAL LINING AND FINISHED ON BOTH ENDS WITH WMS.
2. PROVIDE LINE VOLTAGE THERMOSTAT FOR ALL VAV BOXES WHERE INDICATED ON PLAN. COORDINATE FINAL THERMOSTAT LOCATION WITH ARCHITECTURAL DRAWINGS AND ALL OTHER WALL DEVICES.
3. ALL DUCTWORK TO BE RAN TIGHT TO SLAB/STEEL AND SHALL BE TRANSITIONED ACCORDINGLY.
4. ALL EXPOSED DUCTWORK SHALL BE INTERNALLY LINED WITH 1" ACOUSTICAL LINING. DUCT DIMENSIONS INDICATED ARE INTERNAL DIMENSION. ALL EXPOSED DUCTWORK SHALL BE SPIRAL OVAL. EXACT COLOR SPECIFICATION TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
5. ALL AIR INLETS AND OUTLETS SHALL BE ALUMINUM. REFER TO M-601.00 FOR REFERENCE.
6. ALL AIR LOUVERS SHALL BE ALUMINUM. REFER TO M-601.00 FOR REFERENCE.

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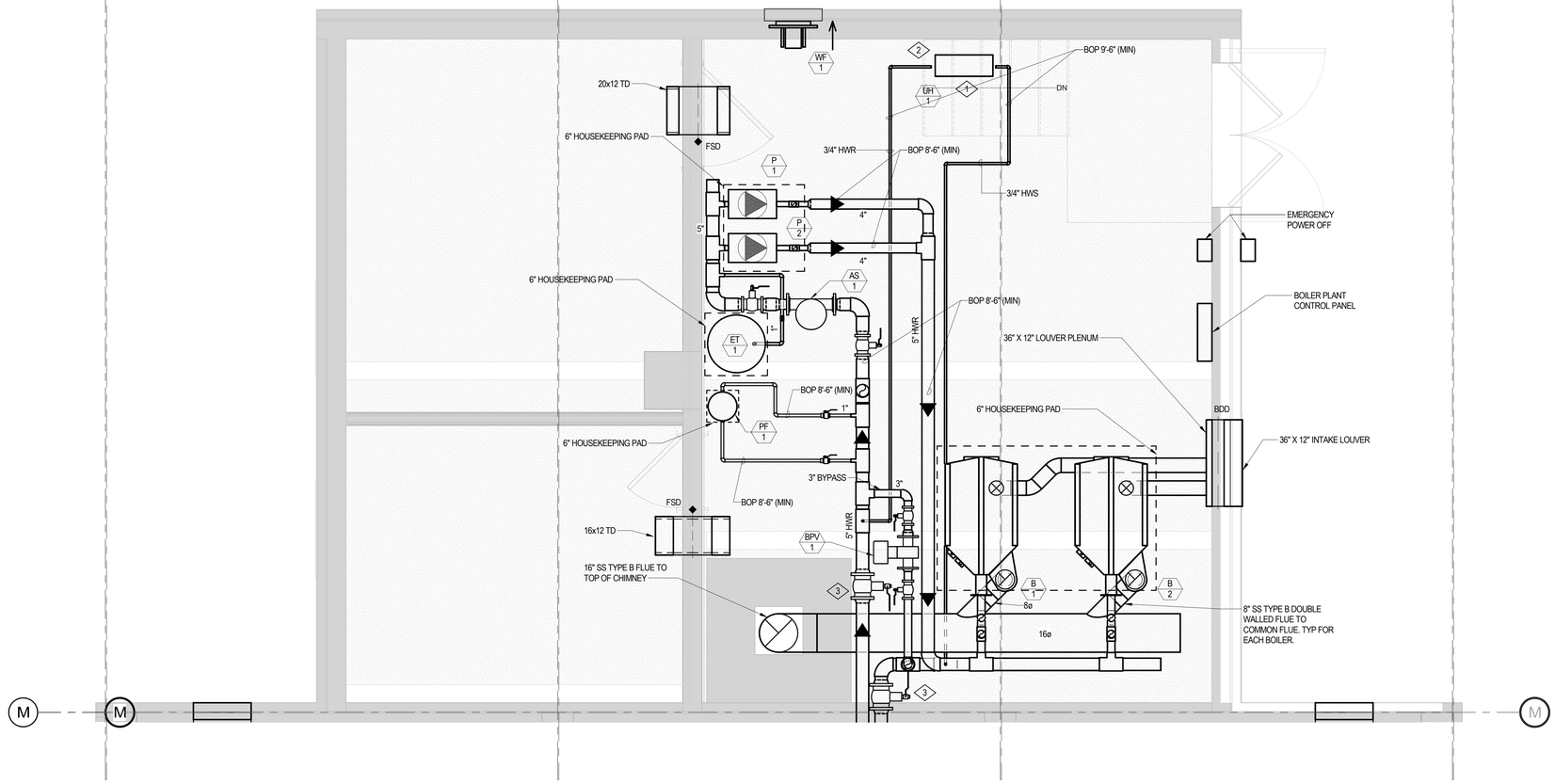
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MECHANICAL FIRST FLOOR PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-200
SHEET 99 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-472-0
REV NO.: 0

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FILE: Autodesk Docs://M+ Westchester Airport - Building 1/M+Westchester Airport - BLDG 1_MEP-R24.rvt



1 LEVEL 01 - PART PLAN
1/2" = 1'-0"

MECHANICAL KEY NOTES:

1. HOT WATER UNIT HEATER TO BE WALL MOUNTED USING FACTORY PROVIDED MOUNTED BRACKETS. FINAL THERMOSTAT LOCATION TO BE COORDINATED IN THE FIELD WILL ALL OTHER WALL DEVICES.
2. BOILER ROOM COUPON RACK TO BE INSTALLED AT THE LOCATION INDICATED ON PLAN WITH THIS KEY NOTE. FINAL LOCATION TO BE COORDINATED IN THE FIELD ALONG WITH ALL OTHER BOILER ROOM EQUIPMENT. SEE M-701 DETAIL #8 FOR ADDITIONAL COUPON RACK INFORMATION.
3. 5" ISOLATION VALVES TO BE PROVIDED ON HWS/R MAINS WITHIN THE BOILER ROOM FOR BOILER ROOM ISOLATION. SEE ONE-LINE DIAGRAM ON M-704 FOR ADDITIONAL DETAIL.

MECHANICAL GENERAL NOTES:

1. NEW BOILERS TO BE PROVIDED WITH 6" HOUSEKEEPING PADS. EPOXY PAINTING OF NEW PADS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
2. NEW PUMPS, EXPANSION TANK, AND POT FEEDER TO BE PROVIDED WITH 6" HOUSEKEEPING PADS. EPOXY PAINTING OF NEW PADS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
3. REFER TO M-704 FOR HOT WATER SYSTEM SINGLE LINE DIAGRAM.
4. ALL LOUVERS SHALL BE ALUMINUM CONSTRUCTION.
5. ALL EXPOSED PIPING WITHIN THE BOILER ROOM SHALL RECIEVE PVC JACKETING OVER INSULATION WITH SERVICE IDENTIFICATION TAGS AND FLOW DIRECTION ARROWS.
6. ALL OVERHEAD PIPING WITHIN THE BOILER ROOM SHALL BE RUN AT A MINIMUM BOTTOM OF PIPE HEIGHT OF 8'-6" AFF. MC TO COORDINATE WITH ALL OTHER CEILING TRADES WITHIN THE BOILER ROOM.

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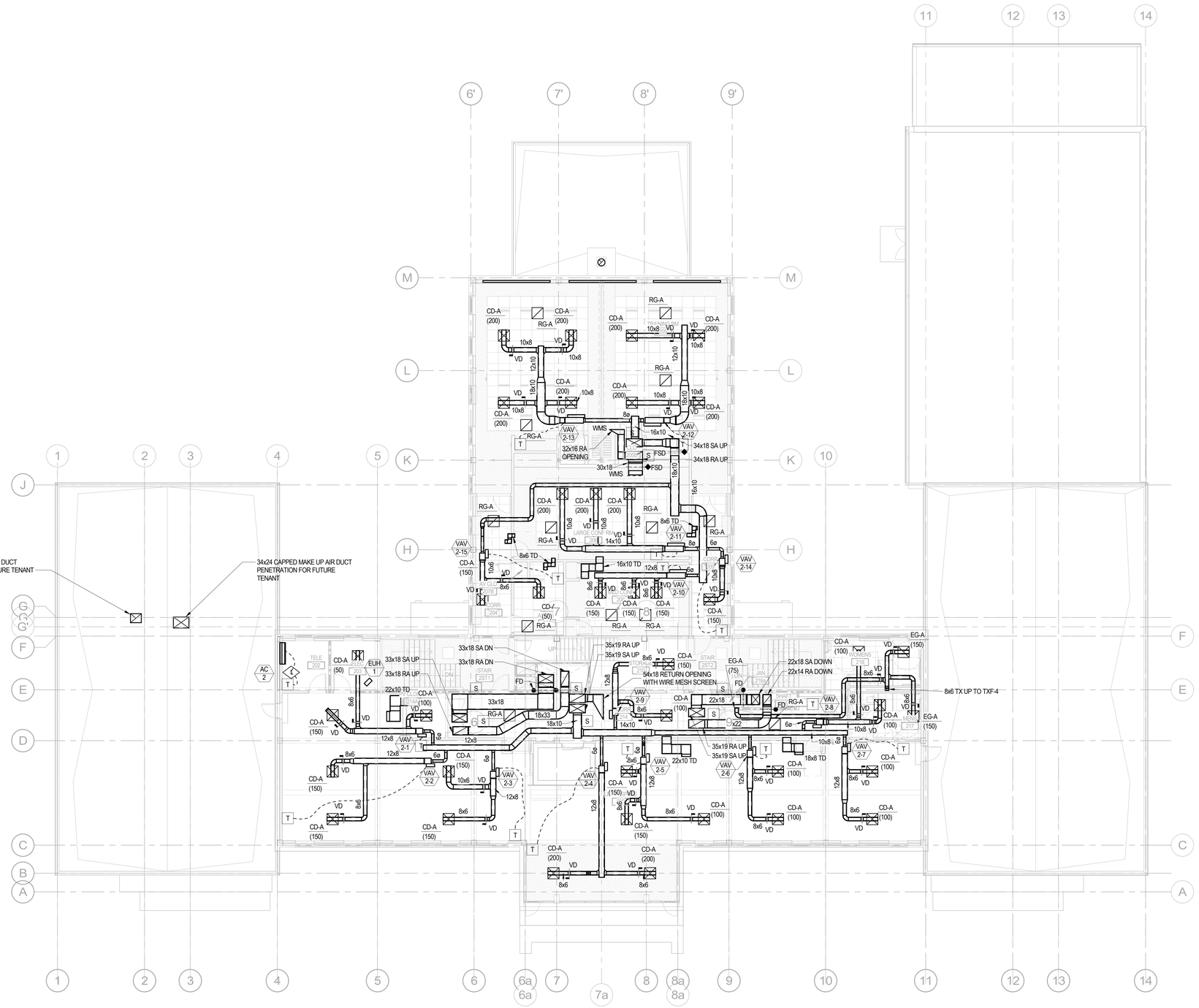
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MECHANICAL FIRST FLOOR PART PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-200A
SHEET 100 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-473-0
REV NO.: 0



1 LEVEL 02
1/8" = 1'-0"

MECHANICAL KEY NOTES:

1. 1" CD LINE FROM AC-2 TO BE ROUTED TO JAN 216A AND CONNECTED TO THE DRAIN.

MECHANICAL GENERAL NOTES:

1. ALL FULL HEIGHT WALLS SHALL BE PROVIDED WITH TRANSFER DUCTS OR TRANSFER OPENINGS AS INDICATED ON THIS PLAN. TRANSFER DUCTS SHALL BE PROVIDED WITH 1" ACOUSTICAL LINING AND FINISHED ON BOTH ENDS WITH WMS.
2. PROVIDE LINE VOLTAGE THERMOSTAT FOR ALL VAV BOXES WHERE INDICATED ON PLAN. COORDINATE FINAL THERMOSTAT LOCATION WITH ARCHITECTURAL DRAWINGS AND ALL OTHER WALL DEVICES.
3. ALL DUCTWORK TO BE RAN TIGHT TO SLAB/STEEL AND SHALL BE TRANSITIONED ACCORDINGLY.
4. ALL EXPOSED DUCTWORK SHALL BE INTERNALLY LINED WITH 1" ACOUSTICAL LINING. DUCT DIMENSIONS INDICATED ARE INTERNAL DIMENSION. ALL EXPOSED DUCTWORK SHALL BE SPIRAL OVAL. EXACT COLOR SPECIFICATION TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
5. ALL AIR INLETS AND OUTLETS SHALL BE ALUMINUM. REFER TO M-601.00 FOR REFERENCE.
6. ALL AIR LOUVERS SHALL BE ALUMINUM. REFER TO M-601.00 FOR REFERENCE.

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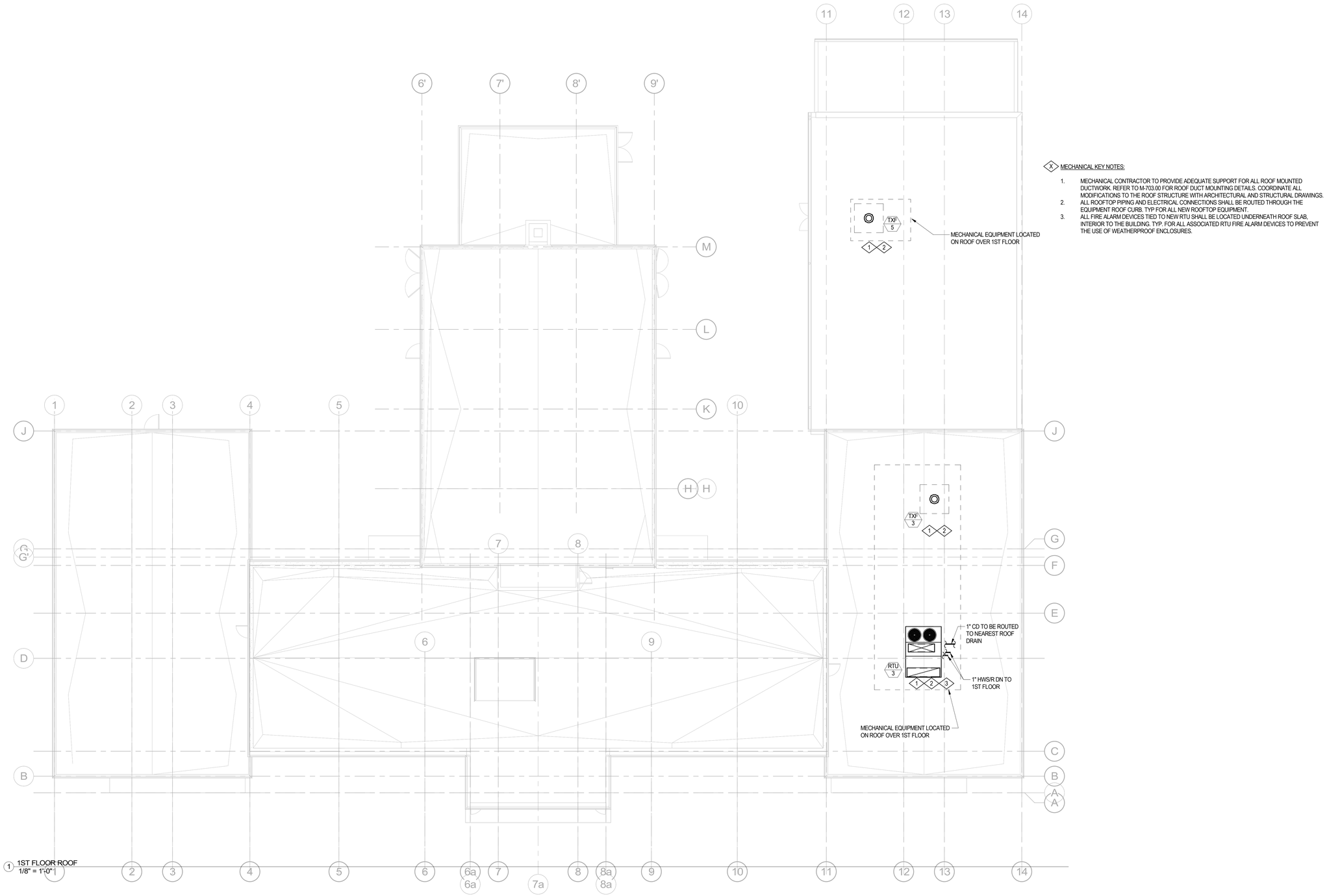
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MECHANICAL SECOND FLOOR PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-201
SHEET 101 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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1 1ST FLOOR ROOF
1/8" = 1'-0"

X MECHANICAL KEY NOTES:

1. MECHANICAL CONTRACTOR TO PROVIDE ADEQUATE SUPPORT FOR ALL ROOF MOUNTED DUCTWORK. REFER TO M-703.00 FOR ROOF DUCT MOUNTING DETAILS. COORDINATE ALL MODIFICATIONS TO THE ROOF STRUCTURE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. ALL ROOFTOP PIPING AND ELECTRICAL CONNECTIONS SHALL BE ROUTED THROUGH THE EQUIPMENT ROOF CURB. TYP FOR ALL NEW ROOFTOP EQUIPMENT.
3. ALL FIRE ALARM DEVICES TIED TO NEW RTU SHALL BE LOCATED UNDERNEATH ROOF SLAB, INTERIOR TO THE BUILDING. TYP. FOR ALL ASSOCIATED RTU FIRE ALARM DEVICES TO PREVENT THE USE OF WEATHERPROOF ENCLOSURES.

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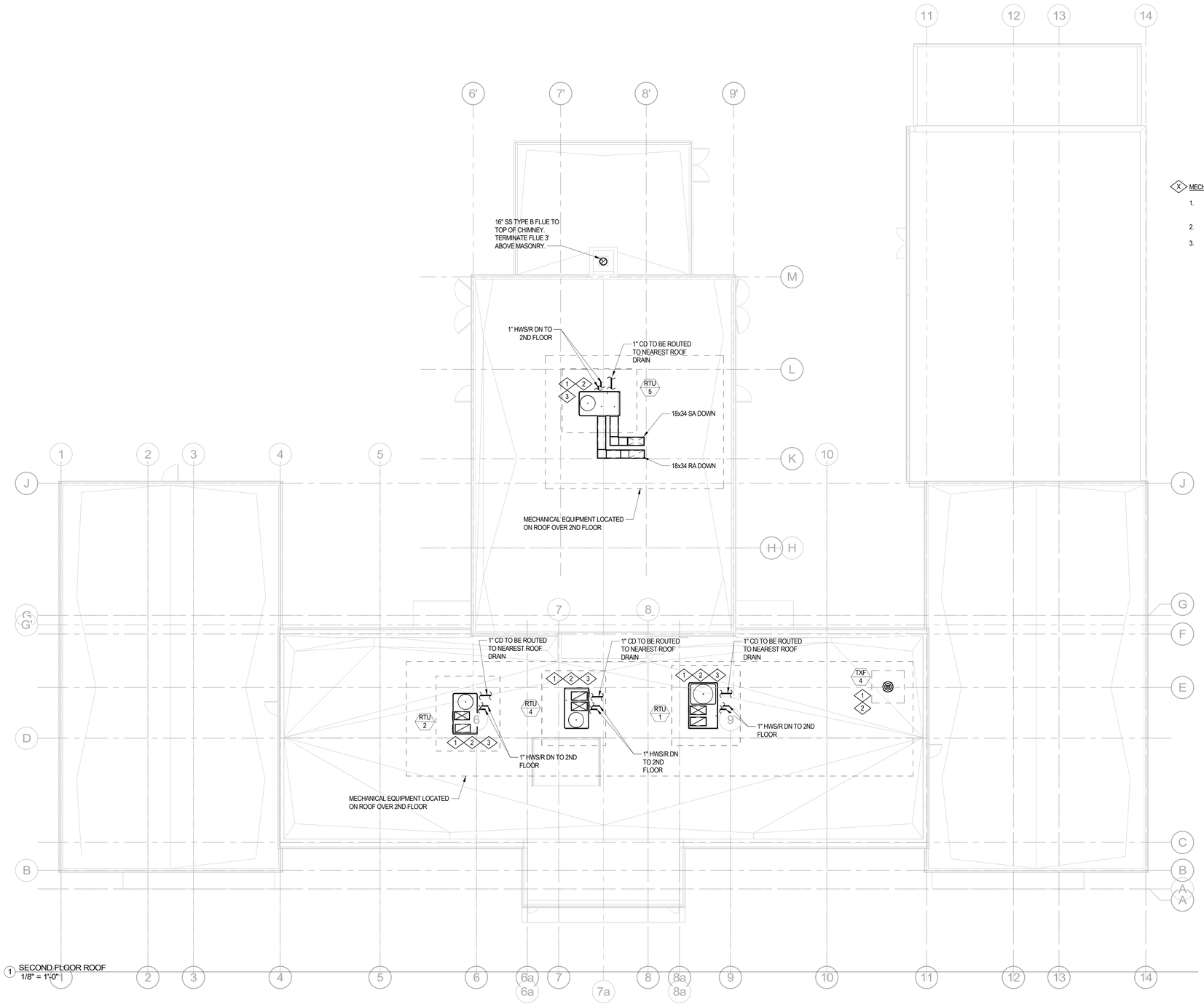
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MECHANICAL LOWER ROOF PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-202
SHEET 102 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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X MECHANICAL KEY NOTES:

1. MECHANICAL CONTRACTOR TO PROVIDE ADEQUATE SUPPORT FOR ALL ROOF MOUNTED DUCTWORK. REFER TO M-703.00 FOR ROOF DUCT MOUNTING DETAILS. COORDINATE ALL MODIFICATIONS TO THE ROOF STRUCTURE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. ALL ROOFTOP PIPING AND ELECTRICAL CONNECTIONS SHALL BE ROUTED THROUGH THE EQUIPMENT ROOF CURB. TYP FOR ALL NEW ROOFTOP EQUIPMENT.
3. ALL FIRE ALARM DEVICES TIED TO NEW RTU SHALL BE LOCATED UNDERNEATH ROOF SLAB, INTERIOR TO THE BUILDING. TYP. FOR ALL ASSOCIATED RTU FIRE ALARM DEVICES TO PREVENT THE USE OF WEATHERPROOF ENCLOSURES.

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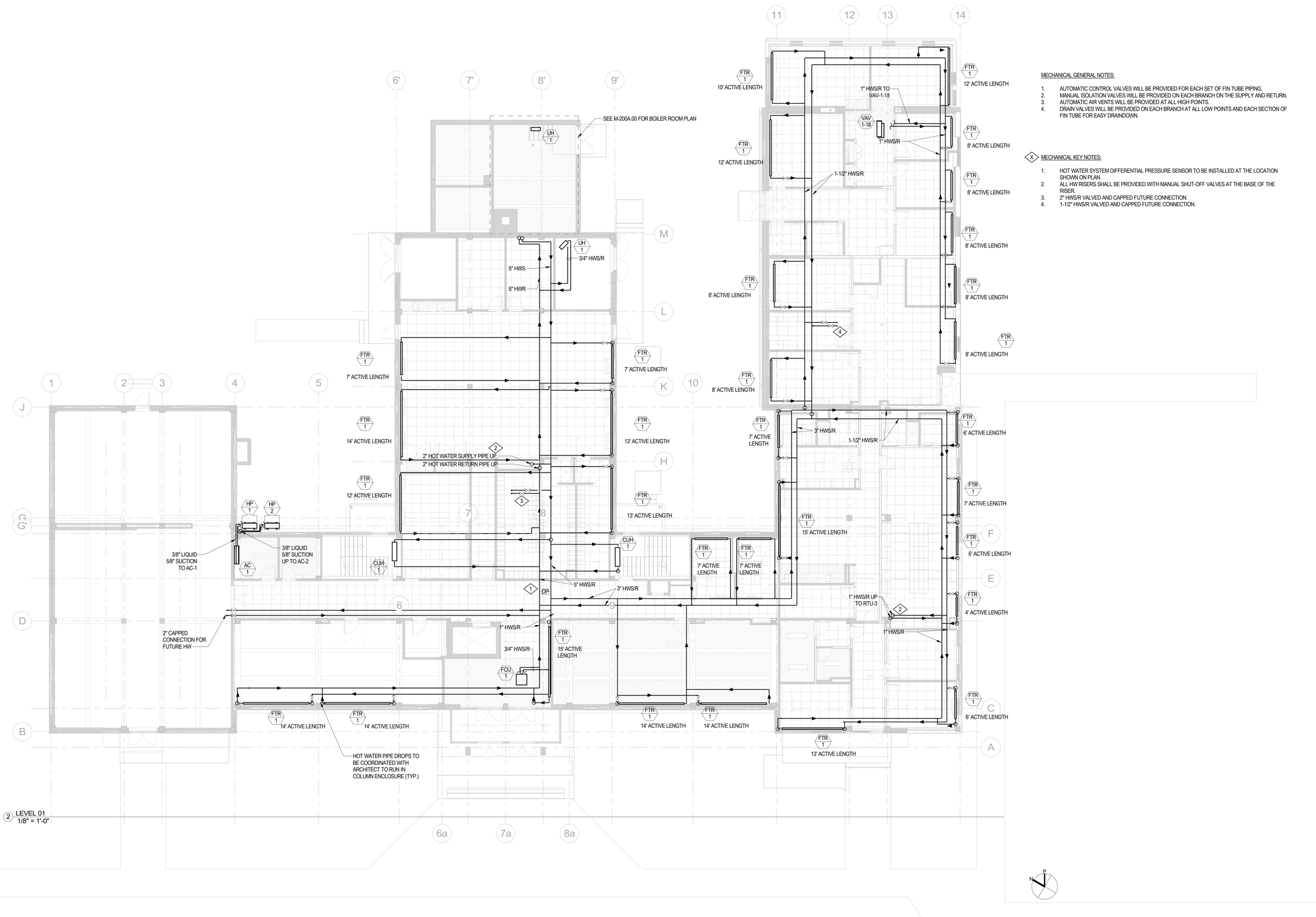
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MECHANICAL UPPER ROOF PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-203
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SCALE: AS SHOWN
DATE: 09/02/2026
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REV NO.: 0



2 LEVEL 01
1/8" = 1'-0"

MECHANICAL GENERAL NOTES:

1. AUTOMATIC CONTROL VALVES WILL BE PROVIDED FOR EACH SET OF FIN TUBE PIPING.
2. MANUAL ISOLATION VALVES WILL BE PROVIDED ON EACH BRANCH ON THE SUPPLY AND RETURN.
3. AUTOMATIC AIR VENTS WILL BE PROVIDED AT ALL HIGH POINTS.
4. DRAIN VALVES WILL BE PROVIDED ON EACH BRANCH AT ALL LOW POINTS AND EACH SECTION OF FIN TUBE FOR EASY DRAINDOWN.

X MECHANICAL KEY NOTES:

1. HOT WATER SYSTEM DIFFERENTIAL PRESSURE SENSOR TO BE INSTALLED AT THE LOCATION SHOWN ON PLAN.
2. ALL HW RISERS SHALL BE PROVIDED WITH MANUAL SHUT-OFF VALVES AT THE BASE OF THE RISER.
3. 2" HWS/R VALVED AND CAPPED FUTURE CONNECTION.
4. 1-1/2" HWS/R VALVED AND CAPPED FUTURE CONNECTION.

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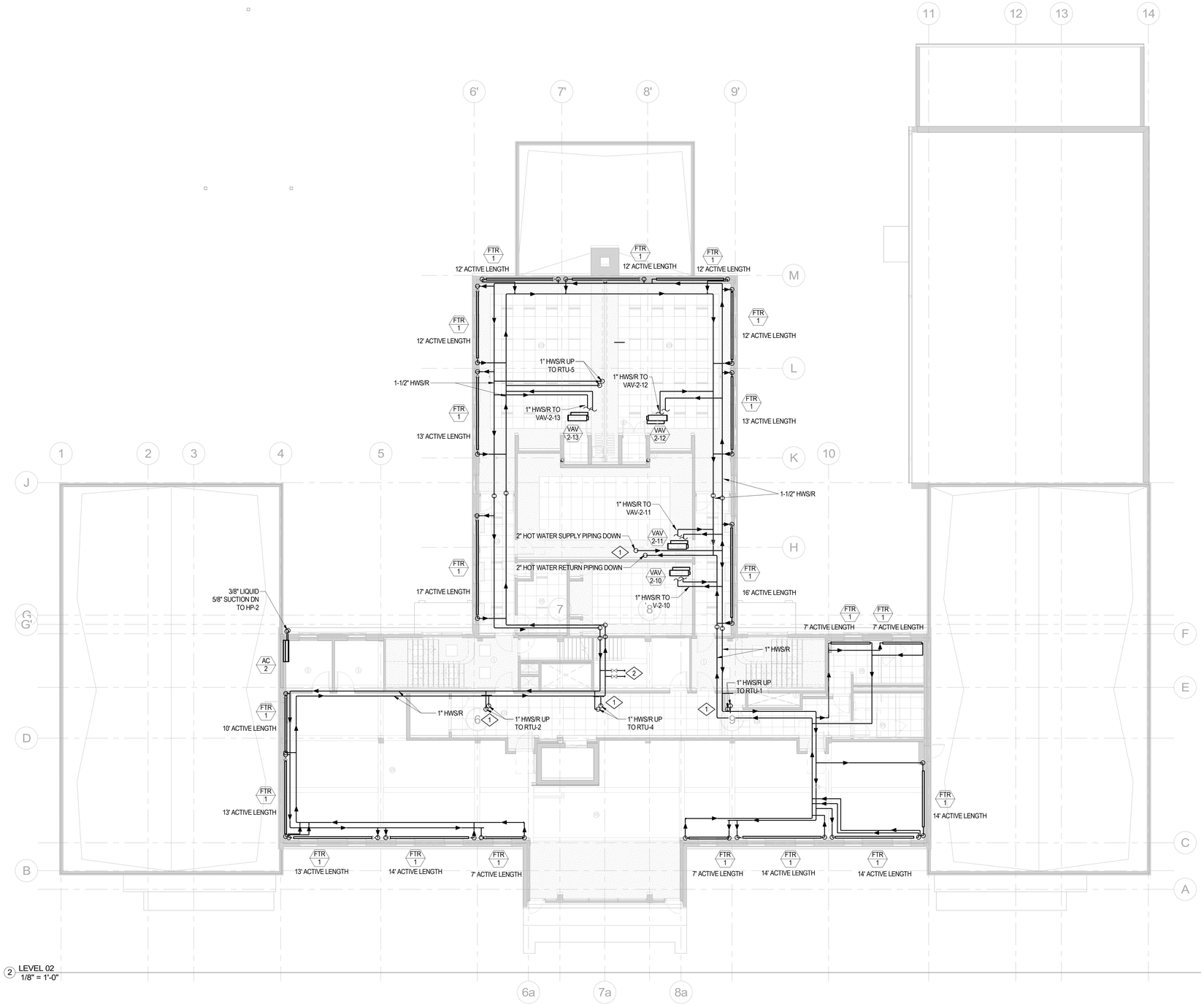
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MECHANICAL PIPING FIRST FLOOR PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-300
SHEET 104 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-477-0
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MECHANICAL GENERAL NOTES:

1. AUTOMATIC CONTROL VALVES WILL BE PROVIDED FOR EACH SET OF FIN TUBE PIPING.
2. MANUAL ISOLATION VALVES WILL BE PROVIDED ON EACH BRANCH.
3. AUTOMATIC AIR VENTS WILL BE PROVIDED AT ALL HIGH POINTS.
4. DRAIN VALVES WILL BE PROVIDED ON EACH BRANCH AT ALL LOW POINTS AND EACH SECTION OF FIN TUBE FOR EASY DRAINDOWN.

X MECHANICAL KEY NOTES:

1. ALL HW RISERS SHALL BE PROVIDED WITH MANUAL SHUT-OFF VALVES AT THE BASE OF THE RISER.
2. 1-1/2" HWS/R VALVED AND CAPPED FUTURE CONNECTION.

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MECHANICAL PIPING SECOND FLOOR PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-301
SHEET 105 of 162
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AIR SEPARATOR (BASIS OF DESIGN BELL AND GOSSETT)

DESIGNATION	LOCATION/ SERVICE	MANUF. MODEL NUMBER	TYPE	PIPE SIZE (INCHES)	MAX CAPACITY (GPM)	MAX. P.D. (FT)	PRESS. RATING (PSIG)	OPERATING WEIGHT (LBS)	NOTES
AS-1	BOILER/HOT WATER	B&G - RL-5F	CEILING HUNG	4	300	0.19	125	263	-

NOTES:

HYDRONIC PUMPS (BASIS OF DESIGN BELL AND GOSSETT)

DESIGNATION	LOCATION/ SERVICE	MANUF. MODEL NUMBER	TYPE	GPM	HEAD (FT H2O)	MINIMUM EFFICIENCY (PERCENT)	RPM	MOTOR				EMERG. POWER (Y/N)	VFD (Y/N)	OPER. WEIGHT (LBS)	NOTES
								BRAKE HP	NON-OVERLOADING HP	VOLTAGE/ PHASE	FLA				
P-1	BOILER PLANT / HOT WATER	B&G E-80	VERTICAL INLINE	105	60	57.8	1750	2.9	5.0	208/3	16.7	N	Y	195	-
P-2	BOILER PLANT / HOT WATER	B&G E-80	VERTICAL INLINE	105	60	57.8	1750	2.9	5.0	208/3	16.7	N	Y	195	STAND-BY

NOTES:
1. REFER TO SPECIFICATION 23 21 23 AND MECHANICAL DETAILS.

EXPANSION TANK (BASIS OF DESIGN BELL AND GOSSETT)

DESIGNATION	LOCATION/ SERVICE	MANUF. MODEL NUMBER	TYPE	TANK VOLUME (GALLONS)	MIN. SYSTEM TEMP (0F)	MAX. SYSTEM TEMP (0F)	FILL PRESSURE (PSIG)	MAX.DESIGN PRESSURE (PSIG)	OPERATING WEIGHT (LBS)	NOTES
ET-1	BOILER PLANT/HOT WATER	B&G - B165	BLADDER	44	40	130	20	60	517	-

NOTES:

HOT WATER BOILER (BASIS OF DESIGN LOCHINVAR)

DESIGNATION	LOCATION/ SERVICE	MANUF. MODEL NUMBER	TYPE	FUEL	INPUT (MBH)	OUTPUT (MBH)	GPM	EWT (°F)	LWT (°F)	PRESS DROP (FT H2O)	PRESS RATING (PSIG)	FLUE SIZE (INCHES)	GLYCOL %	DESIGN EFFICIENCY (%)	VOLTAGE/ PHASE	FLA	OPERATING WEIGHT (LBS)	NOTES
B-1	BOILER PLANT/HOT WATER	FBN-1001	CONDENSING	NAT GAS	999	961	105	110	130	8.3	50	6	40	96	120/1	6	1838	-
B-2	BOILER PLANT/HOT WATER	FBN-1001	CONDENSING	NAT GAS	999	961	105	110	130	8.3	50	6	40	96	120/1	6	1838	STANDBY

NOTES:
1. REFER TO SPECIFICATION 23 52 16.
2. PROVIDE BMS GATEWAY FOR BACNET CAPABILITY.
3. PROVIDE CONDENSATE NEUTRALIZATION KIT.

HOT WATER FIN TUBE

DESIGNATION	LOCATION	MANUFACTURER	LENGTH (FT)	BTU/FT (MIN)	ENCLOSURE TYPE	REMARKS
FTR-1	GROUND FLOOR	ZEHNDER RITTLING	AS NOTED ON PLAN	350	PBG5	-

NOTES:
1. FIN TUBE ENCLOSURE LENGTHS TO BE V.I.F.
2. WALL TO WALL ENCLOSURE TO BE FACTORY PROVIDED.

ROOFTOP PACKAGED AIR CONDITIONING UNIT

DESIGNATION	LOCATION	MANUF. MODEL NUMBER	MINIMUM OUTSIDE AIR CFM	SUPPLY FAN				DX COOLING COIL					HOT WATER COIL			AIR FILTER			EER/IEER	ELECTRICAL DATA			VFD (Y/N)	OPERATING WEIGHT (LBS)	MANUFACTURER	NOTES
								EAT		LAT		CAPACITY				PD (IN. WG.)											
				CFM	EXT. S.P. (IN. WG.)	RPM	MOTOR HP	DB (°F)	WB (°F)	DB (°F)	WB (°F)	TOTAL (MBH)	SENSIBLE (MBH)	OUTPUT (MBH)	EAT (°F)	LAT (°F)	INITIAL	FINAL	MERV RATING		VOLTAGE/ PHASE	UNIT MCA	UNIT MOP				
RTU-1	2ND FLOOR ROOF	TSK150A3S00	355	2650	1.388	1480	4.6	80	67	57	56	143	103	53	69	80	0.2	0.4	13	11/14.7	208/3	73	100	Y	1609	TRANE	SEE NOTES
RTU-2	2ND FLOOR ROOF	TSK102A3S00	585	2850	1.281	1164	3	80	67	57	56	105	71	61	58	80	0.2	0.4	13	11.2/15.3	208/3	58	70	Y	1300	TRANE	SEE NOTES
RTU-3	1ST FLR ROOF	TSK160A3S00	640	4550	1.22	1110	3	80	67	55	55	177	124	77	65	80	0.2	0.4	13	11/14.7	208/3	85	110	Y	2208	TRANE	SEE NOTES
RTU-4	2ND FLOOR ROOF	TSK090A3S00	355	2450	1.22	1118	3	80	67	55	55	89	62	41	64	80	0.2	0.4	13	11.2/15.3	208/3	49	60	Y	1280	TRANE	SEE NOTES
RTU-5	2ND FLOOR ROOF	TSK120A3S00	615	3000	1.342	1265	3	80	67	55	55	119	82	82	55	80	0.2	0.4	13	11.2/15.3	208/3	62	80	Y	1322	TRANE	SEE NOTES

NOTES:
1. BALANCE ALL UNITS TO THE SUPPLY AND MINIMUM OUTSIDE AIR QUANTITIES INDICATED.
2. INSTALL FACTORY PROVIDED ECONOMIZER AND CONTROLS. ECONOMIZER IS TO BE BALANCED FOR THE MINIMUM OUTSIDE AIR QUANTITIY INDICATED.
3. UNLOAD, RIG, AND INSTALL. PROVIDE FACTORY AUTHORIZED PERSONNEL FOR STARTUP AND COMISSIONING.
4. INSTALL NEW 18" WIND RATED CURB AND ROOF OPENINGS. FLASH, SEAL, AND REPAIR ROOF. COORDINATE ROOF OPENINGS AND EQUIPMENT LOCATIONS WITH STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
5. PROVIDE EXTERIOR RATED DISCONNECT SWITCH FOR EACH UNIT. COORDINATE WITH ELECTRICAL CONTRACTOR.
6. PROVIDE MERV 13 FILTERS. FOLTERS ARE TO BE REPLACED UPON COMPLETION OF CONSTRUCTION.
7. ALL ROOF TOP UNITS TO BE FACTORY PROVIDED WITH DEMAND CONTROL VENTILATION.
8. ALL ROOF TOP UNITS TO BE PROVIDED WITH DUCT SMOKE DETECTORS ON SUPPLY AND RETURN SIDES. SEE FIRE ALARM DRAWINGS FOR COORDINATION.
9. ALL ROOF TOP UNITS SHALL BE PROVIDED WITH INTERNAL VARIABLE FREQUENCY DRIVES (VFDs).
10. REFER TO MECHANICAL SPECIFICATIONS FOR VIBRATION ISOLATION AND CONTROL REQUIREMENTS.

AIR OUTLETS SCHEDULE — BASIS OF DESIGN: TITUS

DESIGNATION	FUNCTION	MANUF. MODEL NUMBER	FACE SIZE (IN)	NECK SIZE (IN)	MAX. CFM	MAXIMUM THROW (FT)	MAX PRESSURE DROP (IN WG)	MOUNTING TYPE	NC LEVEL	MANUFACTURER
CD-A	SUPPLY	OMNI	24X24	6"	100	3	0.03	CEILING	-	TITUS
				8"	250	5	0.05	CEILING	12	TITUS
				10"	450	7	0.08	CEILING	15	TITUS
CD-B	SUPPLY	SG-1500FL	12x12	12x12	250	19	0.03	CEILING	-	TITUS
RG-A	RETURN	OMNI	24x24	22x22	-	-	-	CEILING	-	TITUS
RG-B	RETURN	SG-1500FL	12x12	12x12	250	19	0.03	CEILING	-	TITUS
EG-A	EXHAUST	OMNI	24x24	22x22	500	-	-	CEILING	-	TITUS
EG-B	EXHAUST	OMNI	12x12	10x10	100	-	-	CEILING	-	TITUS
EG-C	EXHAUST	SG-1500FL	12x12	12x12	250	19	0.03	CEILING	-	TITUS

1. CD-A DIFFUSERS SHALL BE SIMILAR TO TITUS MODEL "OMNI" WITH 24x24 PANEL SUITABLE FOR NARROW TEE CEILING UNLESS NOTED OTHERWISE.
2. ALL SUPPLY DIFFUSERS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPERS.
3. ALL AIR OUTLETS (SUPPLY, RETURN, AND EXHAUST) SHALL BE ALUMINUM.
4. COORDINATE CEILING DIFFUERS COLOR, FRAME, AND BORDER STYLE WITH LATEST ARCHITECTURAL REFLECTED CEILING LAYOUT TO ENSURE CORRECT MOUNTING COMPATIBILITY.
5. SUPPLY AND RETURN DIFFUSER FRAME TO MATCH CEILING CONSTRUCTION.
6. THE DIFFUSER NECK SHALL HAVE A MINIMUM OF 1-1/8" DEPTH FOR DUCT CONNECTION.
7. ALL SUPPLY AND RETURN DIFFUSERS SHALL BE PROVIDED WITH DUCT MOUNTED VOLUME DAMPERS AS INDICATED ON PLAN. PROVIDE CABLE OPERATED DAMPERS FOR ANY VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS.

SINGLE DUCT TERMINAL (BASIS OF DESIGN TITUS)

UNIT NUMBER	TITUS MODEL NUMBER	SIZE		CFM		STATIC PRESSURE			SOUND LEVELS		ELECTRICAL	REMARKS
		INLET DIAMETER	OUTLET	MAXIMUM	MINIMUM	INLET Ps IN W.G.	DOWN Ps IN W.G.	MIN. Ps IN W.G.	RAD. (NC)	DISCH. (NC)		
VAV-1-1	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-2	DESV	8"	12x10	700	210	1	0.25	0.26	25	28	120/60/1	
VAV-1-3	DESV	8"	12x10	400	120	1	0.25	0.26	25	28	120/60/1	
VAV-1-4	DESV	8"	12x10	800	240	1	0.25	0.26	25	28	120/60/1	
VAV-1-5	DESV	6"	12x8	150	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-6	DESV	6"	12x8	250	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-7	DESV	6"	12x8	300	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-8	DESV	6"	12x8	400	120	1	0.25	0.26	25	28	120/60/1	
VAV-1-9	DESV	6"	12x8	250	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-10	DESV	6"	12x8	450	135	1	0.25	0.26	25	28	120/60/1	
VAV-1-11	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-12	DESV	6"	12x8	500	150	1	0.25	0.26	25	28	120/60/1	
VAV-1-13	DESV	8"	12x10	600	120	1	0.25	0.26	25	28	120/60/1	
VAV-1-14	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-15	DESV	6"	12x8	450	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-16	DESV	6"	12x8	500	120	1	0.25	0.26	25	28	120/60/1	
VAV-1-17	DESV	6"	12x8	350	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-18	DESV	6"	12x8	400	120	1	0.25	0.26	25	28	120/60/1	WITH REHEAT COIL
VAV-1-19	DESV	6"	12x8	350	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-20	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-21	DESV	6"	12x8	100	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-22	DESV	6"	12x8	600	180	1	0.25	0.26	25	28	120/60/1	
VAV-1-23	DESV	8"	12x10	600	240	1	0.25	0.26	25	28	120/60/1	
VAV-1-24	DESV	8"	12x10	800	240	1	0.25	0.26	25	28	120/60/1	
VAV-1-25	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-1-26	DESV	6"	12x8	250	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-1	DESV	6"	12x8	300	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-2	DESV	6"	12x8	300	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-3	DESV	6"	12x8	300	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-4	DESV	6"	12x8	400	120	1	0.25	0.26	25	28	120/60/1	
VAV-2-5	DESV	6"	12x8	400	120	1	0.25	0.26	25	28	120/60/1	
VAV-2-6	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-7	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-8	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-9	DESV	6"	12x8	250	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-10	DESV	6"	12x8	450	135	1	0.25	0.26	25	28	120/60/1	WITH REHEAT COIL
VAV-2-11	DESV	8"	12x10	600	180	1	0.25	0.26	25	28	120/60/1	WITH REHEAT COIL
VAV-2-12	DESV	8"	12x10	800	240	1	0.25	0.26	25	28	120/60/1	WITH REHEAT COIL
VAV-2-13	DESV	8"	12x10	800	240	1	0.25	0.26	25	28	120/60/1	WITH REHEAT COIL
VAV-2-14	DESV	6"	12x8	150	100	1	0.25	0.26	25	28	120/60/1	
VAV-2-15	DESV	6"	12x8	200	100	1	0.25	0.26	25	28	120/60/1	

NOTES:
1. BOXES SHALL HAVE A SINGLE FACTORY-INSTALLED ROUND INTAKE.
2. BOXES SHALL BE EQUIPPED WITH ALERTON CONTROLLER.
3. BOXES SHALL INCLUDE ALL COMPONENTS (WALL THERMOSTAT & WIRING BY BMS MANUFACTURER, DAMPER ASSEMBLY, AIRFLOW SENSOR, BOTTOM ACCESS PANEL, HANGER BRACKETS, ETC.) FOR COMPLETE INSTALLATION AND OPERATION.
4. ALL VAV BOXES SHALL BE INTERNALLY ACOUSTICALLY INSULATED.
5. PROVIDE 120V/24V TRANSFORMER FOR CONTROLS AND DISCONNECT SWITCH.
6. MECHANICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH FOR EACH TERMINAL UNIT. DISCONNECT SWITCH TO BE WIRED BY ELECTRICIAN, COORDINATE WITH ELECTRICIAN.

WALL FAN

DESIGNATION	SERVICE	MANUF. MODEL NUMBER	TYPE	CFM	EXTERNAL STATIC PRESSURE (IN. WG.)	RPM	BHP	MOTOR		MOTOR TYPE	OPERATING WEIGHT (LBS)	MANUFACTURER
								HP	VOLTAGE/ PHASE			
WF-1	EXHAUST	SE1-12-432-VG	SIDEWALL	600	0.50	1538	0.17	0.25	120/1	ECM	27	GREENHECK

NOTES:
1. PROVIDE EXTERNAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. REFER TO MECHANICAL SPECIFICATIONS FOR VIBRATION ISOLATION AND CONTROL REQUIREMENTS. COORDINATE WITH MANUFACTURER RECOMMENDED MOUNTING REQUIREMENTS.
3. ALL FANS ARE TO BE PROVIDED WITH INTERNAL BACKDRAFT DAMPER.
4. COORDINATE APPROVED FAN SUBMITTAL WITH SHEET METAL CONTRACTOR PRIOR TO FABRICATION.
5. FAN TO BE PROVIDED WITH FACTORY SUPPLIED WALL HOUSING INCLUDING MOTOR SIDE GUARD, DAMPER WEATHER HOOD, ETC.
6. FAN TO BE PROVIDED WITH MOTOR SPEED DIAL FOR BALANCING.

ELECTRIC UNIT HEATERS

DESIGNATION	SERVICE	MANUF. MODEL NUMBER	TYPE	CFM	CAPACITY	MOTOR			MOTOR TYPE	OPERATING WEIGHT (LBS)	MANUFACTURER
						RPM	HP	VOLTAGE/ PHASE			
EUH-1	VARIES	MUH-03-81	ELECTRIC	350	3 KW	1600	1/100	208/1	ECM	27	QMARK

NOTES:
1. PROVIDE EXTERNAL DISCONNECT AND MANUFACTURER PROVIDED HANGING BRACKET.
2. REFER TO MECHANICAL SPECIFICATIONS FOR VIBRATION ISOLATION AND CONTROL REQUIREMENTS. COORDINATE WITH MANUFACTURER RECOMMENDED HANGING REQUIREMENTS.
3. UNIT HEATER SHALL BE PROVIDED WITH INTEGRAL THERMOST.

EXHAUST FANS

DESIGNATION	SERVICE	MANUF. MODEL NUMBER	TYPE	CFM	EXTERNAL STATIC PRESSURE (IN. WG.)	RPM	BHP	VOLTAGE/ PHASE	MCA	MOCP	MOTOR TYPE	OPERATING WEIGHT (LBS)	MANUFACTURER
EF-1	LOCKER ROOM EXHAUST	CSP-A510-VG	INLINE	330	0.50	1163	0.10	120/1	3.1	15	ECM	36	GREENHECK
EF-2	KENNEL EXHAUST	CSP-A510-VG	INLINE	150	0.50	1163	0.10	120/1	3.1	15	ECM	36	GREENHECK
TXF-3	TOILET EXHAUST	G-095-VG	ROOF	750	0.50	1673	0.15	120/1	3.5	15	ECM	40	GREENHECK
TXF-4	TOILET EXHAUST	G-070-VG	ROOF	375	0.25	1151	0.02	120/1	1.9	15	ECM	41	GREENHECK
TXF-5	TOILET EXHAUST	G-095-VG	ROOF	375	0.25	1151	0.02	120/1	1.9	15	ECM	41	GREENHECK

NOTES:
1. PROVIDE EXTERNAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. REFER TO MECHANICAL SPECIFICATIONS FOR VIBRATION ISOLATION AND CONTROL REQUIREMENTS. COORDINATE WITH MANUFACTURER RECOMMENDED MOUNTING REQUIREMENTS.
3. ALL FANS ARE TO BE PROVIDED WITH INTERNAL BACKDRAFT DAMPER.
4. COORDINATE APPROVED FAN SUBMITTAL WITH SHEET METAL CONTRACTOR PRIOR TO FABRICATION.
5. TOILET EXHAUST FAN TO BE PROVIDED WITH TIME CLOCK. COORDINATE WITH ELECTRICAL CONTRACTOR AND LIGHTING CONTROLS.
6. FAN TO BE PROVIDED WITH MOTOR SPEED DIAL FOR BALANCING.
7. FAN TO BE PROVIDED WITH FACTORY SUPPLIED WALL HOUSING INCLUDING MOTOR SIDE GUARD, DAMPER WEATHERHOOD, ETC.

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MECHANICAL SCHEDULES

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-601
SHEET 106 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-479-0
REV NO.: 0

DUCT MOUNTED HOT WATER HEATING COILS (BASIS OF DESIGN TITUS)

DESIGNATION	LOCATION / SERVICE	CFM	FLUID TEMPERATURE		EAT	LAT	NOTES
			EWT (°F)	LWT (°F)	DB (°F)	DB (°F)	
VAV-1-19	CONFERENCE	400	130	110	55.0	85.0	
VAV-2-10	MEDIUM CONFERENCE ROOM	450	130	110	55.0	85.0	
VAV-2-11	LARGE CONFERENCE ROOM	600	130	110	55.0	85.0	
VAV-2-12	TRAINING ROOM	800	130	110	55.0	85.0	
VAV-2-13	TRAINING ROOM	800	130	110	55.0	85.0	

NOTES:

ELECTRIC HEATING MAT (NUHEAT AS STD)

DESIGNATION	DIMENSIONS (FT	AMPS	WATTS/SF	MODEL NUMBERS	REMARKS
EHM-A	160SF	16.0	12.0	F1510	-

NOTE:
1. TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR
2. ELECTRIC HEATING MAT SCHEDULE FOR REFERENCE ONLY.

AIR-COOLED HEAT PUMP SYSTEMS

EVAPORATOR (INDOOR UNITS)										CONDENSER (OUTDOOR UNITS)										
DESIGNATION	SERVICE	MANUF. MODEL NUMBER	SUPPLY FAN		COOLING DATA				ELECTRICAL DATA	DESIGNATION	LOCATION	MANUF. MODEL NUMBER	AMBIENT TEMP DB (°F)	EER	ELECTRICAL DATA			OPERATING WEIGHT (LBS)	REFRIGERANT	MANUFACTURER
			AIR FLOW (CFM)	EXT. S.P. (IN. WG.)	EAT		LAT		CAPACITY (BTU/HR)	VOLTAGE/ PHASE						VOLTAGE/ PHASE	OUTDOOR UNIT MCA	OUTDOOR UNIT MOCP			
					DB (°F)	WB (°F)	DB (°F)	WB (°F)													
AC-1	1ST FLOOR IT	PKA-A24KA8	775	-	80	67	55	55	24000	208/1	HP-1	GROUND	PUY-A24NHA7	95F/5F	12.2	208/1	19	26	46	R410A	MITSUBISHI
AC-2	2ND FLOOR IT	PKA-A24KA8	775	-	80	67	55	55	24000	208/1	HP-2	GROUND	PUY-A24NHA7	95F/5F	12.2	208/1	19	26	46	R410A	MITSUBISHI

NOTES:
1. PROVIDE SEPARATE POWER CONNECTIONS AND DISCONNECT SWITCH FOR EACH INDOOR AND OUTDOOR UNIT. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. PROVIDE WALL MOUNTED THERMOSTAT. COORDINATE LOCATIONS WITH ARCHITECT.
3. COORDINATE ALL REFRIGERANT PIPE SIZING, LENGTHS, AND CONSTRUCTION REQUIREMENTS WITH MANUFACTURER.
4. OUTDOOR UNIT ARE TO BE PROVIDED WITH WIND BAFFLE FOR LOW AMBIENT OPERATION.
5. REFER TO MECHANICAL SPECIFICATIONS FOR VIBRATION ISOLATION AND CONTROL REQUIREMENTS.

CABINET UNIT HEATER (BASIS OF DESIGN TRANE)

DESIGNATION	LOCATION / SERVICE	MANUF. MODEL NUMBER	BTU/HR	FAN	HEATING				ELECTRICAL DATA			NOTES
				CFM	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	MCA	MOCP	VOLTAGE/ PHASE	
CUH-1	STAIR	FFBB030	12000	400	60	80	130	110	1.75	15.0	120/1	-

NOTES:
1. PROVIDE EXTERNAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. PROVIDE WITH INTEGRAL UNIT MOUNTED THERMOSTAT.
3. SET THERMOSTAT TO 72 DEG F.

FAN COIL UNITS (TRANE AS BASIS OF DESIGN)

DESIGNATION	LOCATION / SERVICE	MANUF. MODEL NUMBER	CFM	ESP (IN. WG.)	HEATING							FAN MOTOR		FILTER (MERV)	VOLTAGE/ PHASE	EMERG. POWER (Y/N)	NOTES
					CAPACITY (MBH)	EAT (°F)	LAT (°F)	GPM	EWT (°F)	LWT (°F)	ROWS	PD (FT H20)	MOTOR HP	FLA			
FCU-1	1ST FLOOR	FFCB0302L**F0	300	0.1	9.70	50	80	0.972	130	110	2	0.11	1/2 x2	3.5	13	208/1	N	-

NOTES:
1. ACCESS CONFIGURATIONS ARE SHOWN FOR REFERENCE ONLY. CONFIGURATIONS ARE TO BE FIELD COORDINATED WITH ACCESSIBLE CEILING LOCATIONS AND MANUFACTURER PRIOR TO RELEASE.
2. PROVIDE SEPARATE DDC CONTROLLER FOR EACH FAN COIL UNIT AND OUTSIDE AIR DAMPER. COORDINATE WITH BMS CONTRACTOR.
3. PROVIDE ACOUSTICAL RETURN INLET SILENCER.
4. EACH FAN COIL UNIT TO BE PROVIDED WITH COMBINED SPACE THERMOSTAT AND CO2 SENSOR. COORDINATE WITH BMS CONTRACTOR.
5. PROVIDE 2" MERV 13 FILTERS.
6. SCHEDULED ACCESS CONFIGURATIONS ARE FOR DESIGN INTENT ONLY. ALL UNIT ACCESS REQUIREMENTS, COIL CONNECTIONS, AND FILTER PULLS ARE TO BE FIELD COORDINATED WITH INSTALLATION PLANS AND MANUFACTURER PRIOR TO RELEASE TO ENSURE FULL ACCESSIBILITY FROM SINGLE SIDE OF UNIT AND ACCESSIBLE CEILING LOCATIONS.
7. COORDINATE VALVE PACKAGE REQUIREMENTS WITH MECHANICAL CONTRACTOR AND MECHANICAL DETAILS PRIOR TO RELEASE.
8. PROVIDE HIGH LEVEL SWITCH WITHIN UNIT DRAIN PAN WIRED TO UNIT SHUTDOWN AND INITIATE ALARM AT BMS. COORDINATE WITH BMS CONTRACTOR.

WALL MOUNTED HOT WATER UNIT HEATER

DESIGNATION	LOCATION / SERVICE	MANUF. MODEL NUMBER	MANUFACTURER	BTU/HR	FAN	HEATING				ELECTRICAL DATA	NOTES
					CFM	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	VOLTAGE/ PHASE	
UH-1	FIRE PUMP AND BOILER ROOM	UNIT.022/EC	JAGA	15238	800	60	80	130	110	120/1	-

NOTES:
1. MECHANICAL CONTRACTOR TO PROVIDE EXTERNAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.
2. PROVIDE WITH INTEGRAL UNIT MOUNTED THERMOSTAT.
3. SET THERMOSTAT TO 72 DEG F.
4. UNIT TO BE PROVIDED WITH MANUFACTURER RECOMMENDED WALL MOUNTING BRACKETS.

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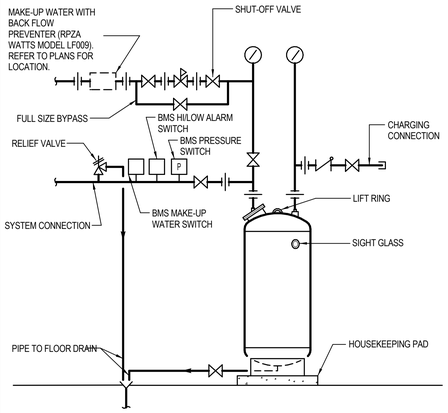
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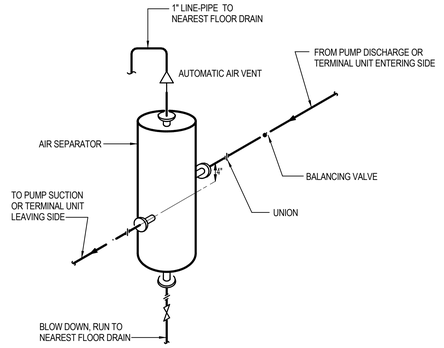
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MECHANICAL SCHEDULES #2

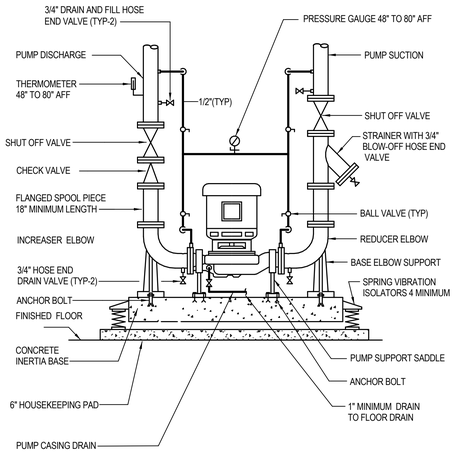
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SHEET 107 of 162
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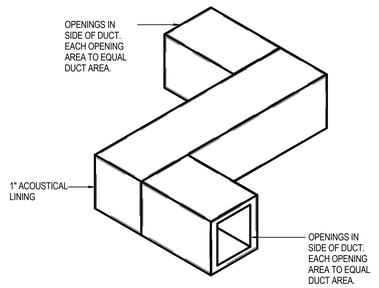
1 VERTICAL EXPANSION TANK
SCALE:NTS



2 BOILER ROOM BYPASS AIR SEPARATOR
SCALE:NTS

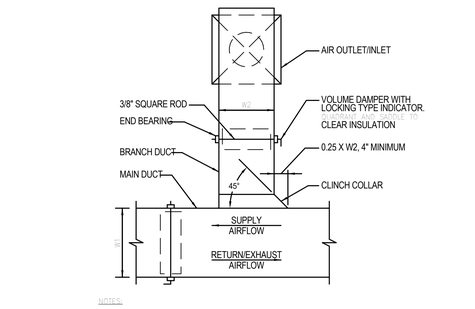


3 VERTICALLY MOUNTED PUMP
SCALE:NTS



NOTE:
SEE DRAWING FOR DUCT SIZES

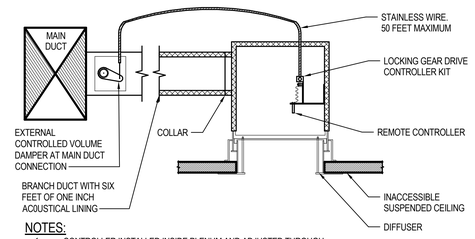
4 TRANSFER AIR DUCT ASSEMBLY (Z-TYPE)
SCALE:NTS



NOTES:

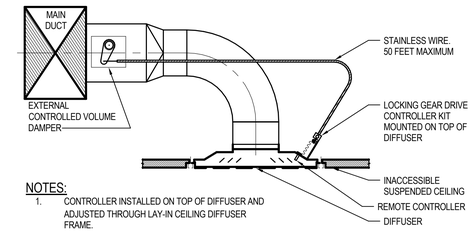
1. FURNISH THIS TYPE CONNECTION WHEN SINGLE LINE DUCTWORK IS INDICATED AS THIS . FOR LOW PRESSURE BRANCHES WITH LESS THAN 700 CFM.
2. NOT TO BE USED AS A SUBSTITUTE FOR AN ELBOW.
3. VOLUME DAMPER IN BRANCH RUN-OUT TO BE USED FOR BALANCING. VOLUME DAMPER IN NECK OF AIR OUTLET/INLET TO BE USED FOR FINAL ADJUSTMENT ONLY.

5 BRANCH RUN-OUT TO SINGLE AIR OUTLET/INLET
SCALE:NTS



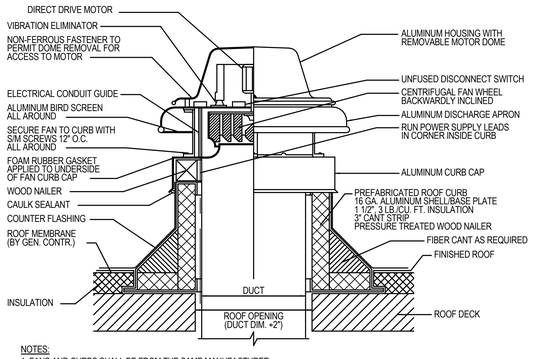
NOTES:

1. CONTROLLER INSTALLED INSIDE PLENUM AND ADJUSTED THROUGH THE DIFFUSER FRAME.



NOTES:

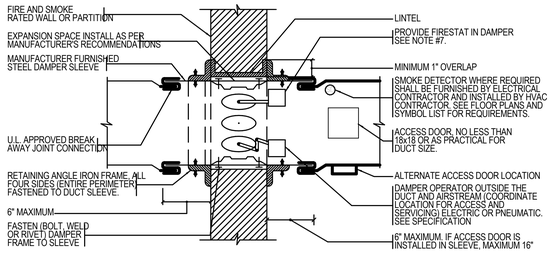
1. CONTROLLER INSTALLED ON TOP OF DIFFUSER AND ADJUSTED THROUGH LAY-IN CEILING DIFFUSER FRAME.



NOTES:

1. FANS AND CURBS SHALL BE FROM THE SAME MANUFACTURER.
2. INSTALL WITH CURB HEIGHT SUCH THAT A DISTANCE OF 18" BETWEEN THE DISCHARGE APRON AND FINISHED ROOF IS MAINTAINED. SQUARE CURB AS REQUIRED FOR LEVEL INSTALLATION.

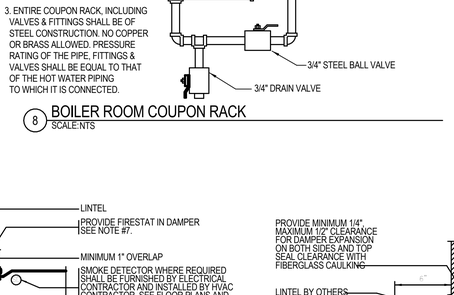
6 TRANSFER AIR DUCT (WITHIN HUNG CEILING)
SCALE:NTS



GENERAL NOTES:

1. DAMPER TO BE U.L. LABELED N.F.P.A. 90A, BSA AND MEA APPROVED.
2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF COMBINATION FIRE & SMOKE DAMPER FOR APPROVAL, WHICH SHALL MEET N.F.P.A. STANDARD 90A AND SHALL BE BSA APPROVED.
3. DETAILS SHOWN ARE FOR COMBINATION FIRE AND SMOKE DAMPERS IN HORIZONTAL DUCTWORK. FOR DAMPERS IN VERTICAL DUCTWORK, DETAIL IS SIMILAR. VERTICAL DUCTS WITH HORIZONTAL DAMPERS ARE TO BE SPRING LOADED TYPE.
4. ACCESS DOOR IS SHOWN IN SIDE OF DUCT.
5. DETAIL FOR SMOKE DAMPER SHALL BE SIMILAR TO COMBINATION DAMPER EXCEPT DELETE FIRESTAT IN DAMPER.
6. THIS DETAIL IS A GUIDE ONLY. INSTALL DAMPER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND UL LISTING.
7. THE HVAC CONTRACTOR SHALL PROVIDE ALL DEVICES, RELAYS, END SWITCHES, E/P SWITCHES, CONTROL COMPONENTS, AIR PIPING, POWER WIRING, CONTROL WIRING AND INTERLOCK WIRING AS REQUIRED TO ACCOMPLISH THE SEQUENCE OF OPERATION FOR THESE DAMPERS.
8. RETAINING ANGLES MUST OVERLAP THE FIREWALL 1" MINIMUM AND COVER CORNERS OF OPENINGS.

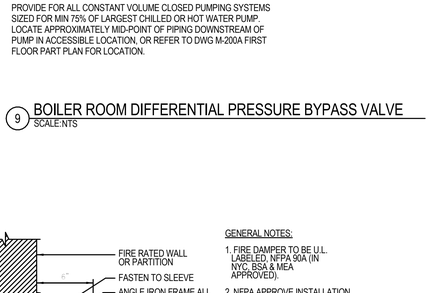
7 ACOUSTIC ELBOW ON RETURN AIR INLET
SCALE:NTS



NOTES:

1. ALL PIPING TO & FROM RACK SHALL BE INSTALLED WITHOUT AIR POCKETS.
2. COUPON RACK TO BE MOUNTED AGAINST WALL IN THE VERTICAL POSITION WITH ALL TEES AND VALVES AT A CONVENIENT HEIGHT DETERMINED BY FIELD CONDITIONS.
3. ENTIRE COUPON RACK, INCLUDING VALVES & FITTINGS SHALL BE OF STEEL CONSTRUCTION. NO COPPER OR BRASS ALLOWED. PRESSURE RATING OF THE PIPE, FITTINGS & VALVES SHALL BE EQUAL TO THAT OF THE HOT WATER PIPING TO WHICH IT IS CONNECTED.

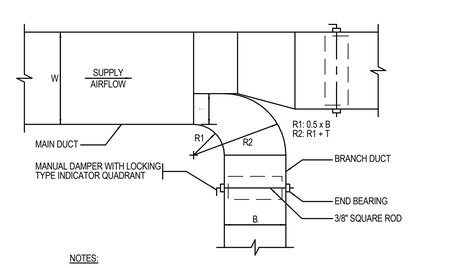
8 BOILER ROOM COUPON RACK
SCALE:NTS



NOTE:

PROVIDE FOR ALL CONSTANT VOLUME CLOSED PUMPING SYSTEMS SIZED FOR MIN 75% OF LARGEST CHILLED OR HOT WATER PUMP. LOCATE APPROXIMATELY MID-POINT OF PIPING DOWNSTREAM OF PUMP IN ACCESSIBLE LOCATION, OR REFER TO DWG M-200A FIRST FLOOR PART PLAN FOR LOCATION.

9 BOILER ROOM DIFFERENTIAL PRESSURE BYPASS VALVE
SCALE:NTS



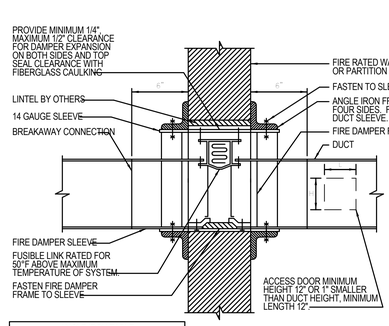
NOTES:

1. FURNISH THIS TYPE CONNECTION WHERE NOTED AND WHEN SINGLE LINE DUCTWORK IS INDICATED AS THIS . FOR LOW PRESSURE BRANCHES WITH MORE THAN 700 CFM AND MEDIUM PRESSURE BRANCHES WITH MORE THAN 1,000 CFM.
2. FURNISH THIS TYPE CONNECTION WITHOUT MANUAL DAMPER FOR ALL MEDIUM PRESSURE DUCTWORK BRANCHES.
3. MUST BE USED WHEN W > 36".
4. T = CFM IN B x W, MINIMUM 4 INCHES.
   CFM IN W

RECTANGULAR DUCT BRANCH WITH

THROAT & VOLUME DAMPER

10 REMOTE CABLE DAMPER CONTROLLER
SCALE:NTS



ANGLE IRON TABLE	
WALL OPENING	ANGLE SIZE
UP TO 30"	1" x 1" x 1/8"
31" TO 54"	1-1/2" x 1-1/2" x 1/8"
55" TO 84"	3" x 2" x 3/16"
85" TO 120"	3" x 2" x 3/16"

NOTE: RETAINING ANGLES MUST OVERLAP STRUCTURAL OPENING A MINIMUM OF 1" AND COVER CORNERS OF OPENINGS.

GENERAL NOTES:

1. FIRE DAMPER TO BE U.L. LABELED, NFPA 90A (IN NYC, BSA & MEA APPROVED).
2. NFPA APPROVE INSTALLATION DETAILS TO BE PART OF SUBMISSION OF FIRE DAMPER FOR APPROVAL WHICH SHALL MEET NFPA STANDARD 90A (IN NYC, BSA & MEA APPROVED).
3. DETAILS SHOWN ARE FOR FIRE DAMPERS IN HORIZONTAL DUCTWORK. FOR FIRE DAMPERS IN VERTICAL DUCTWORK, DETAILS SIMILAR.
4. ACCESS DOOR IS SHOWN IN SIDE OF DUCT. IF FUSIBLE LINK IS MORE ACCESSIBLE FROM THE BOTTOM OF THE DUCT, RELOCATE ACCESS DOOR.
5. FIRE DAMPERS SHALL BE LOADED.
6. FROM FIRST 10'-0" OF FAN DISCHARGE DUCTS AND FOR DUCT SIZES LESS THAN 8" DEEP. FIRE DAMPER BLADES SHALL BE INSTALLED IN POCKET OUTSIDE OF THE AIRSTREAM.

11 ROOF EXHAUSTER BELT DRIVE
SCALE:NTS

COMBINATION FIRE/SMOKE DAMPER 1-1/2 HOUR FIRE RATING LEAKAGE CLASS 1
12 SCALE:NTS

13 FUSIBLE LINK 1-1/2 HR FIRE DAMPER
SCALE:NTS

14 RECTANGULAR DUCT BRANCH WITH THROAT AND VOLUME DAMPER
SCALE:NTS

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	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

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DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
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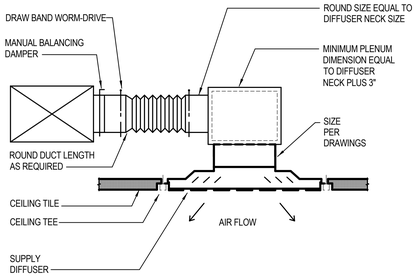
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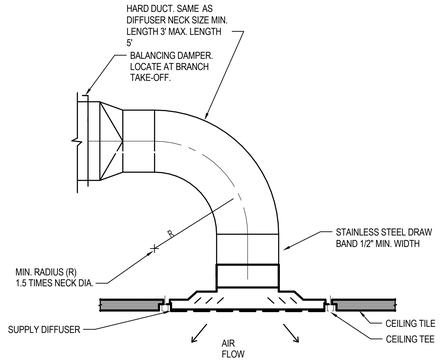
WESTCHESTER COUNTY, NEW YORK
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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MECHANICAL DETAILS SHEET #1

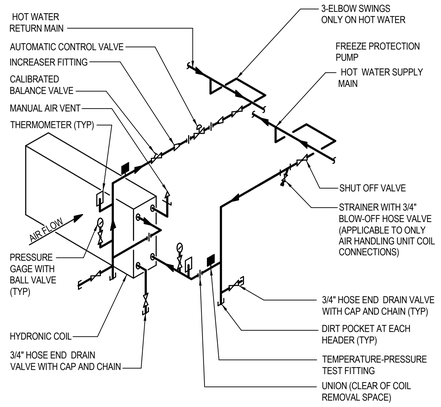
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SHEET NUMBER: M-701
SHEET 108 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-481-0
REV NO.: 0



1 ALTERNATE DIFFUSER CONNECTION
SCALE:NTS



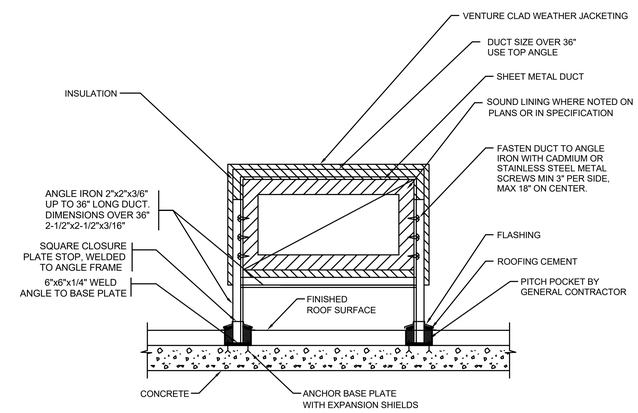
2 DIFFUSER CONNECTION DETAIL
SCALE:NTS



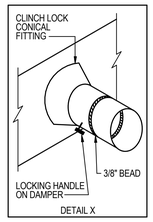
NOTES:

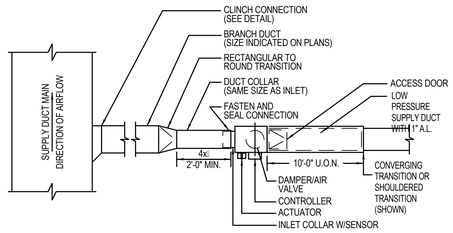
1. ALL BRANCH PIPING, SUPPLY, RETURN AND VERTICAL HEADERS TO BE FULL SIZE BOTTOM CONNECTION FROM MAIN (REFER TO DRAWINGS FOR PIPE SIZE).
2. ALL HORIZONTAL CONNECTIONS TO COIL FROM VERTICAL HEADERS TO BE SIZE OF COIL CONNECTION OUTLET/INLET, U.O.N.

3 HOT WATER COIL PIPING (2-WAY CONTROL VALVE)
SCALE:NTS



4 SUPPORT FOR ROOF MOUNTED DUCTWORK
SCALE:NTS

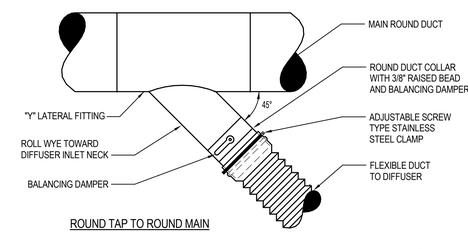




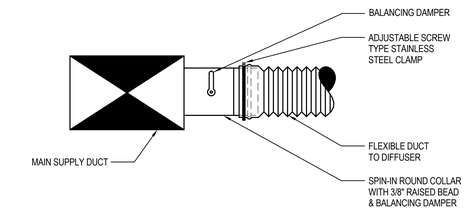
NOTES:

1. THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULENCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT. THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TOO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2. WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINAL UNITS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICES AS RECOMMENDED BY THE TERMINAL UNIT MANUFACTURER AND SUBMIT TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. MANUFACTURER OF TERMINAL UNIT SHALL PROVIDE CONTROLS ON LEFT OR RIGHT SIDE AS REQUIRED BY FIELD CONDITIONS.
4. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCING AND MAINTENANCE OF TERMINAL UNITS.
5. VAV MUST BE SUPPORTED FROM THE BUILDING STRUCTURE INDEPENDENTLY FROM DUCTWORK.

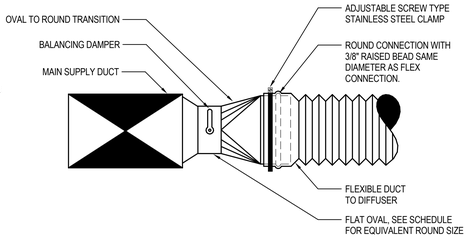
6 VARIABLE VOLUME UNIT INSTALLATION
SCALE:NTS



ROUND TAP TO ROUND MAIN



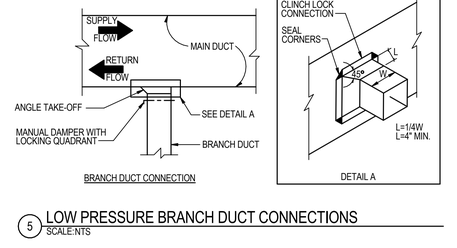
ROUND TAP TO RECTANGULAR MAIN (TAP SMALLER THAN MAIN)



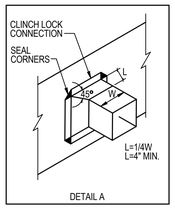
FLAT OVAL EQUIVALENT ROUND	
ROUND ⌀	FLAT OVAL INCHES
6"	4x9
7"	5x10
8"	6x11
10"	6x11
12"	7x20
14"	8x22
16"	8x30

ROUND TAP TO RECTANGULAR MAIN (TAP LARGER THAN MAIN)

7 LOW PRESSURE BRANCH DUCT CONNECTIONS
SCALE:NTS



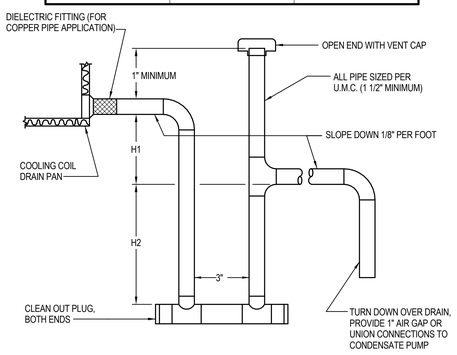
BRANCH DUCT CONNECTION



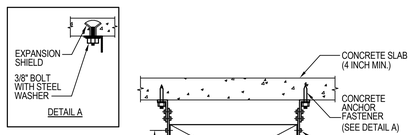
DETAIL A

5 LOW PRESSURE BRANCH DUCT CONNECTIONS
SCALE:NTS

COIL TYPE	H1 (HEIGHT)	H2 (HEIGHT)
BLOW-THROUGH (LOCATED ON DISCHARGE SIDE OF FAN)	1" MINIMUM	POSITIVE STATIC PRESSURE AT DRAIN PAN IN INCHES TIMES 2 (2" MINIMUM)
DRAW-THROUGH (LOCATED ON SUCTION SIDE OF FAN)	NEGATIVE STATIC PRESSURE AT DRAIN PAN IN INCHES PLUS 1"	NEGATIVE STATIC PRESSURE AT DRAIN PAN IN INCHES PLUS 1"



8 COOLING COIL CONDENSATE TRAP
SCALE:NTS



DETAIL A

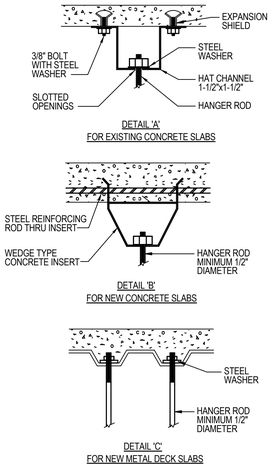
NOTES FOR DUCT HANGING DETAILS:

1. DUCT SHALL BE SUSPENDED WITH GALVANIZED BAND IRON STRAPS SECURELY FASTENED TO THE BOTTOM AND SIDE OF THE DUCT. STRAPS TO BE SIZED IN ACCORDANCE WITH THE SMACNA TABLE 4-1 OR ACCORDING TO LOCAL CODES, WHICHEVER IS MORE STRINGENT.

CROSS SECTIONAL AREA (SQ.FT.)	MAX. HANGER SPACING (FT.)
UP TO 4	8
OVER 4 NOT TO EXCEED 10	6
OVER 10	4

2. DUCTS WIDER THAN 60 INCHES TO BE SUPPORTED BY TRAPEZE ANGLES IN ACCORDANCE WITH SMACNA TABLE 4-3.

9 DUCT HANGING DETAIL FOR EXISTING SLAB
SCALE:NTS

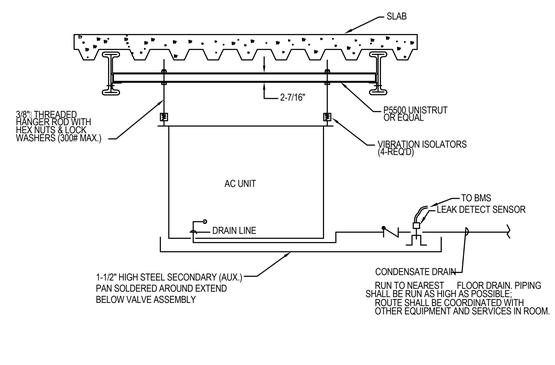


DETAIL 'A' FOR EXISTING CONCRETE SLABS

DETAIL 'B' FOR NEW CONCRETE SLABS

DETAIL 'C' FOR NEW METAL DECK SLABS

10 STRUCTURE ATTACHMENTS
SCALE:NTS



11 CEILING HUNG AC UNIT SUPPORT DETAIL
SCALE:NTS

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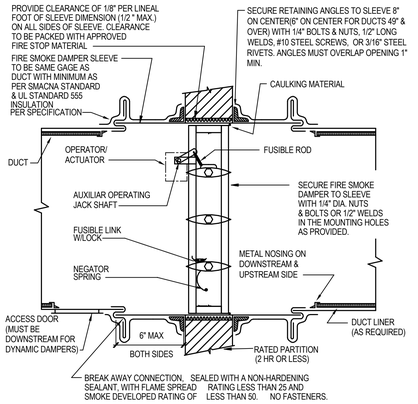
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MECHANICAL DETAILS SHEET #2

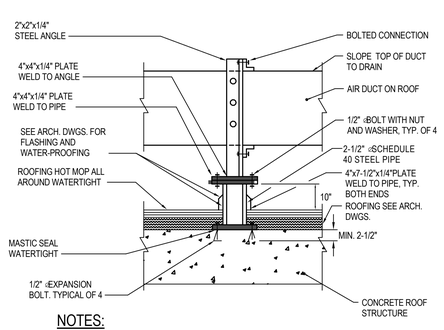
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25-532	M-702

SHEET 109 of 162
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DATE: 09/02/2026
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REV NO.: 0



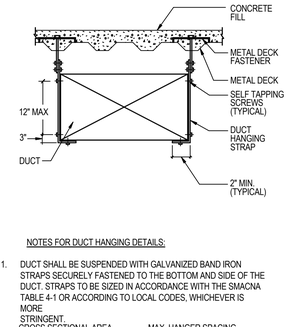
NOTE:
1. THE FIRE SMOKE DAMPER MANUFACTURERS' INSTALLATION DETAILS AND INSTRUCTIONS AS TESTED AND APPROVED BY UL MUST BE USED IN LIEU OF THE ABOVE DETAILS WHERE APPLICABLE.

1 COMBINATION FIRE/SMOKE DAMPER 1-1/2 HOUR FIRE RATING LEAKAGE CLASS 1
SCALE:NTS



NOTES:
1. REFER TO ARCHITECTURAL DETAILS FOR ALL EQUIPMENT SUPPORT AND WEATHERPROOFING REQUIREMENTS ON BUILT UP ROOF. THE FOLLOWING DETAIL IS APPROVED AS AN ALTERNATE METHOD.
2. SUPPORT DUCT AT 8'-0" ON CENTER MAXIMUM AND AT ALL OFFSETS AND CHANGES OF DIRECTION.
3. ALL STEEL AND BOLTS HOT-DIPPED GALVANIZED AFTER FABRICATION.

2 ROOF DUCTWORK SUPPORT ATTACHMENT
SCALE:NTS

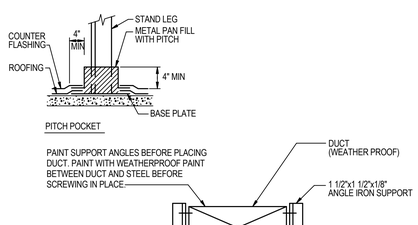


NOTES FOR DUCT HANGING DETAILS:
1. DUCT SHALL BE SUSPENDED WITH GALVANIZED BAND IRON STRAPS SECURELY FASTENED TO THE BOTTOM AND SIDE OF THE DUCT. STRAPS TO BE SIZED IN ACCORDANCE WITH THE SMACNA TABLE 4-1 OR ACCORDING TO LOCAL CODES, WHICHEVER IS MORE STRINGENT.

CROSS SECTIONAL AREA (SQ.FT.)	MAX. HANGER SPACING (FT.)
UP TO 4	8
OVER 4 NOT TO EXCEED 10	6
OVER 10	4

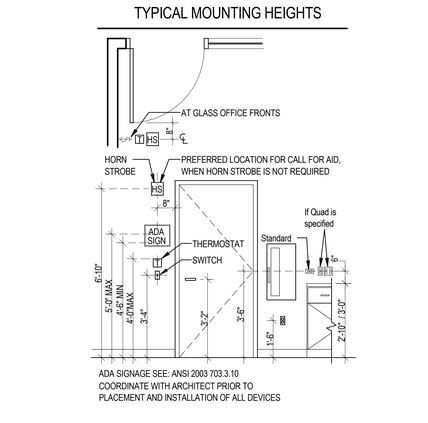
2. DUCTS WIDER THAN 60 INCHES TO BE SUPPORTED BY TRAPEZE ANGLES IN ACCORDANCE WITH SMACNA TABLE 4-3.

3 DUCT HANGING DETAILS IN METAL DECK SLAB
SCALE:NTS



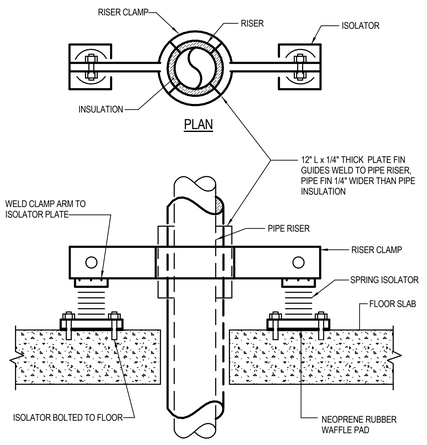
ALL DUCTWORK AND SUPPORTING STEEL SHALL BE GIVEN A COAT OF WEATHERPROOF PAINT. ALL JOINTS CAULKED BEFORE PAINTING.

4 ROOF DUCTWORK SUPPORT
SCALE:NTS

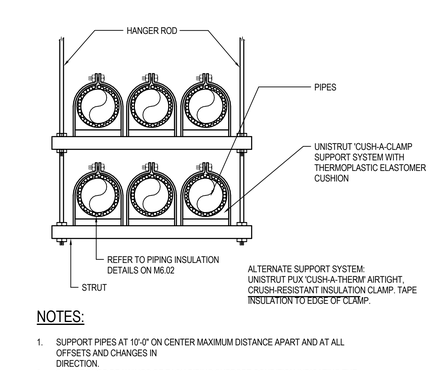


ADA SIGNAGE SEE: ANSI 2003 703.3.10
COORDINATE WITH ARCHITECT PRIOR TO PLACEMENT AND INSTALLATION OF ALL DEVICES

5 TYPICAL MOUNTING HEIGHTS DIAGRAM
SCALE:NTS

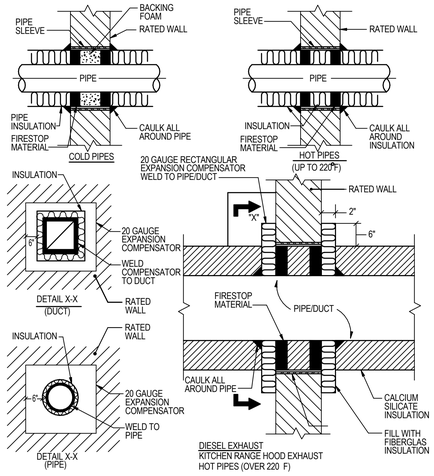


6 PIPE RISER ISOLATORS
SCALE:NTS

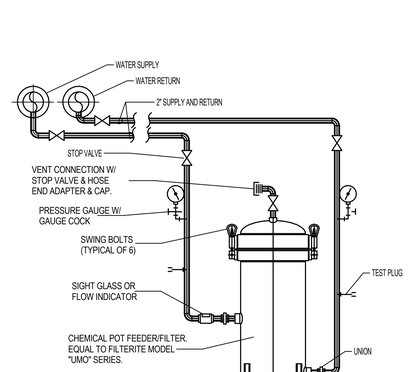


NOTES:
1. SUPPORT PIPES AT 10'-0" ON CENTER MAXIMUM DISTANCE APART AND AT ALL OFFSETS AND CHANGES IN DIRECTION.
2. SUBMIT SHOP DRAWINGS OF EACH PIPING SUPPORT CONDITION INDICATING THE ACTUAL NUMBER AND DIMENSION OF REFRIGERANT PIPES, AND WEIGHT OF OVERALL ASSEMBLY. INCLUDE PROPOSED ATTACHMENT METHOD TO DECK ABOVE. THIS SUBMITTAL NEEDS TO BE RELEASED BY THE PROJECT MECHANICAL AND STRUCTURAL ENGINEERS PRIOR TO CONSTRUCTION. REFER TO 23 05 29.
3. THE CONTRACTOR TO COORDINATE PIPE SUPPORT WITH THE ACTUAL NUMBER AND DIMENSION OF REFRIGERANT PIPES. TWO LEVEL OF PIPING MAY BE USED AS SHOWN ABOVE

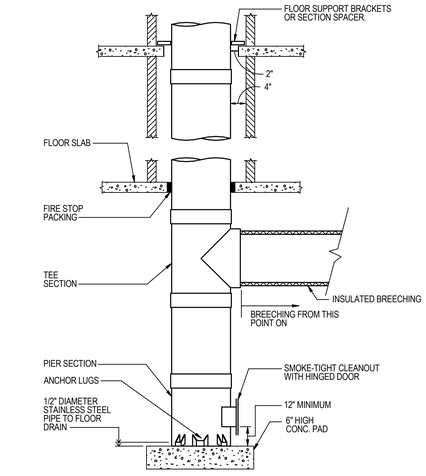
7 PIPE RACK AND SUPPORT
SCALE:NTS



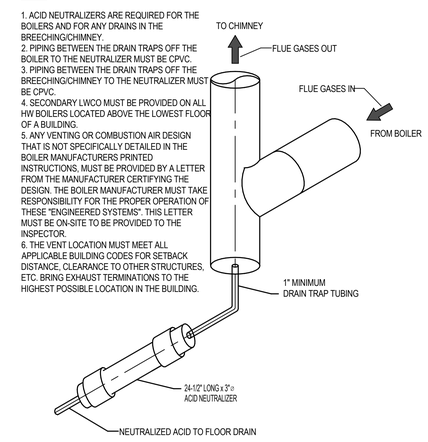
8 PENETRATIONS THRU RATED WALLS
SCALE:NTS



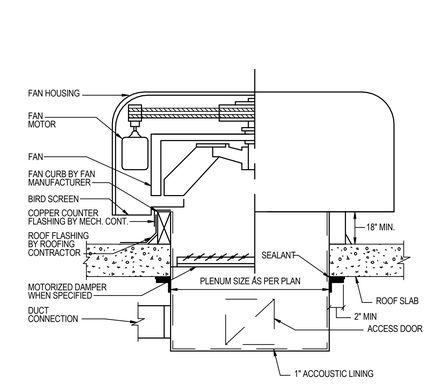
9 CHEMICAL POT FEEDER PIPING
SCALE:NTS



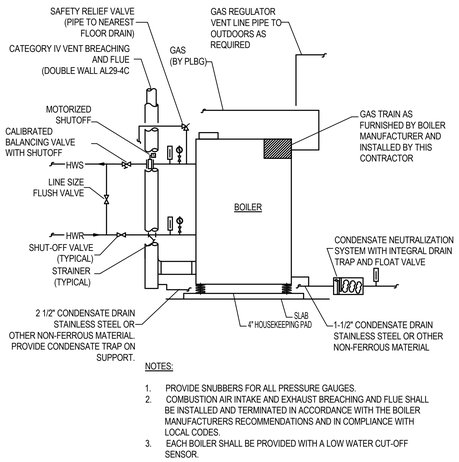
10 PREFABRICATED BOILER STACK - BASE AND RISER
SCALE:NTS



11 ACID NEUTRALIZER BOILER/BREECHING
SCALE:NTS

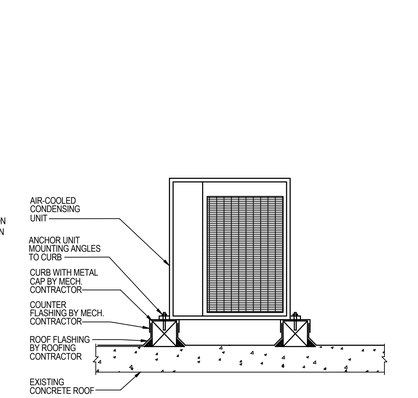


12 ROOF EXHAUST FAN
SCALE:NTS

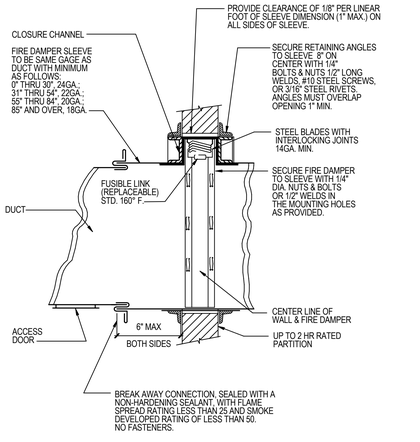


NOTES:
1. PROVIDE SNUBBERS FOR ALL PRESSURE GAUGES.
2. COMBUSTION AIR INTAKE AND EXHAUST BREACHING AND FLUE SHALL BE INSTALLED AND TERMINATED IN ACCORDANCE WITH THE BOILER MANUFACTURERS RECOMMENDATIONS AND IN COMPLIANCE WITH LOCAL CODES.
3. EACH BOILER SHALL BE PROVIDED WITH A LOW WATER CUT-OFF SENSOR.

13 CONDENSING BOILER PIPING AND VENT
SCALE:NTS



14 CONDENSING UNIT ROOF MOUNTING DETAIL
SCALE:NTS



15 SHUTTER TYPE FIRE DAMPER (1~8 HR RATING) HIGH PRESSURE SYSTEMS (> ± 2" WG)
SCALE:NTS

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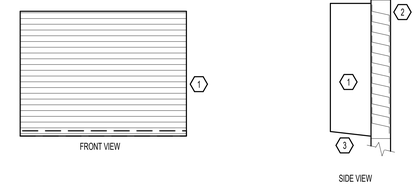
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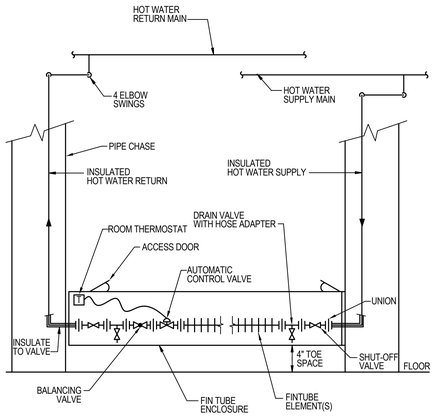
MECHANICAL DETAILS SHEET #3

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-703
SHEET 110 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-483-0
REV.NO.: 0

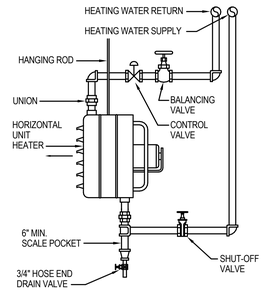


1. SHEETMETAL PLENUM SIZE AS INDICATED ON DRAWINGS.
2. LOUVER SHALL BE ALUMINUM AMCA 550 CLASS A WIN DRIVEN RAIN LOUVER
3. SHEETMETAL PLENUM BOTTOM PITCHED TOWARD EXTERIOR LOUVER CONNECTION MAKE ALL SEAMS WATERTIGHT.

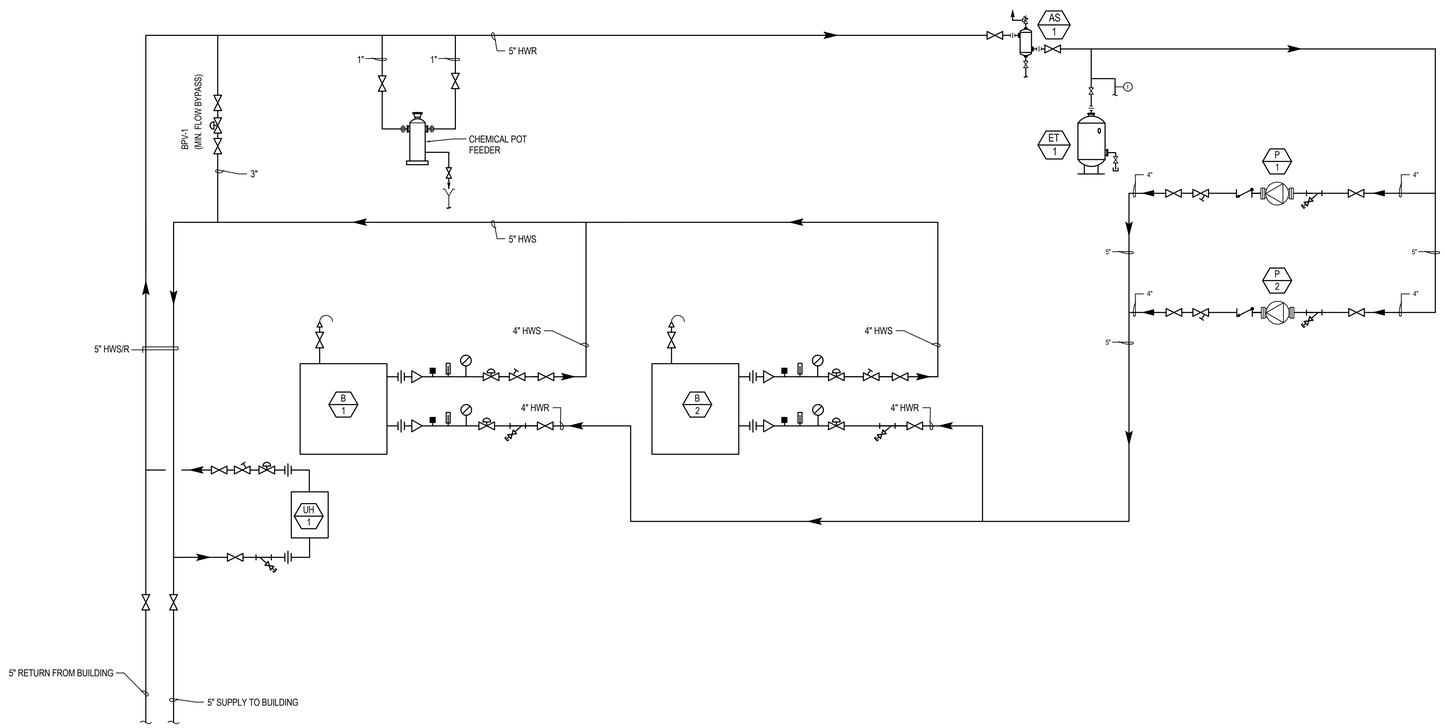
1 LOUVER PLENUM DETAIL
SCALE:NTS



2 HOT WATER FIN TUBE RADIATION PIPING FED FROM ABOVE
SCALE:NTS



3 HOT WATER UNIT HEATER
SCALE:NTS



4 BOILER PLANT SINGLE-LINE DIAGRAM
SCALE: NTS

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MECHANICAL DETAILS SHEET #4

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-704
SHEET 111 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-484-0
REV.NO.: 0

HOT WATER BOILER PLANT (VARIABLE PRIMARY FLOW)

SYSTEM OFF

EACH BOILER IS OFF, BOILER SUPPLY AND RETURN WATER ISOLATION VALVES ARE CLOSED, HOT WATER PUMPS ARE
OFF.

SYSTEM RUN

THE MOTORIZED LEAD BOILER ISOLATION VALVES SHALL BE COMMANDED OPEN AND THE BMS SHALL RELEASE THE LEAD HOT WATER PUMP AND THE PUMP SHALL RAMP UP SPEED TO MAINTAIN HOT WATER WATER DIFFERENTIAL PRESSURE OF 15 PSIG (ADJ.) AS WELL AS MINIMUM FLOW RATE REQUIRED THROUGH ONE BOILER .

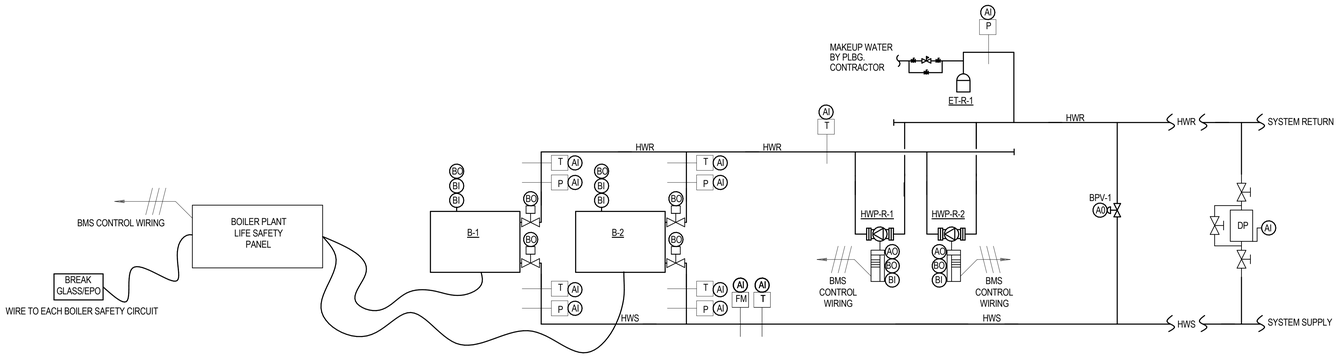
THE MINIMUM PUMP SPEED REQUIRED TO SATISFY THE MINIMUM FLOW RATE OF ONE BOILER SHALL BE SET AS DETERMINED THROUGH WATER FLOW TESTING AND BALANCING. BMS CONTRACTOR TO COORDINATE WITH THE MECHANICAL CONTRACTOR AS NEEDED. IF THE WATER FLOW AS DETERMINED BY THE FLOW METER IN THE MAIN RETURN PIPE FALLS TO WITHIN 125% OF THE MINIMUM FLOW REQUIRED FOR ONE (1) BOILER, THE HOT WATER BYPASS VALVE (BPV-1) SHALL MODULATE TO SATISFY THIS MINIMUM FLOW RATE. WHEN 125% OF THE MINIMUM FLOW RATE IS SATISFIED, THE BYPASS VALVE SHALL BE CLOSED.

IF THE DIFFERENTIAL PRESSURE SETPOINT DECREASES BELOW THE SETPOINT, THE LAG BOILER AND PUMP SHALL BE RELEASED FOR OPERATION. THE LAG PUMP SHALL SHALL SLOWLY RAMP UP TO SPEED AND THE LEAD AND LAG PUMPS SHALL REDUCE SPEED SUCH THAT BOTH PUMPS WILL BE MODULATED SIMULTANEOUSLY TO MAINTAIN DIFFERENTIAL PRESSURE SETPOINT. IF EITHER THE LEAD PUMP FAIL TO START OR ENTER FAULT MODE, AN ALARM SHALL BE ANNUNCIATED AT THE BMS WORKSTATION.

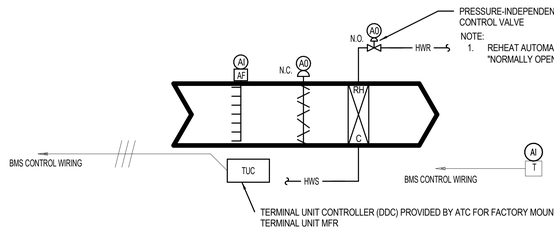
THE BOILERS' FIRING RATE SHALL BE MODULATED BY THE BOILER INTEGRATED CONTROLLER TO MAINTAIN CONSTANT DISCHARGE HOT WATER TEMPERATURE. COORDINATE WITH OWNERSHIP HOT WATER SUPPLY TEMPERATURE RESET REQUIREMENTS AFTER SYSTEM COMMISSIONING. PUMP AND BOILER LEAD LAG SEQUENCE AND EQUAL RUN TIME THE HOT WATER PUMP AND BOILER LEAD/LAG SEQUENCE SHALL BE ROTATED ON A WEEKLY SCHEDULE. THE SEQUENCE SHALL BE BASED ON CALCULATED RUN TIME WITH THE PUMP AND BOILER HAVING THE LEAST RUN TIME AS LEAD, THE PUMP AND BOILER WITH THE NEXT LOWEST RUN TIME WILL BE THE SECOND IN THE SEQUENCE AND SO ON. FROM THE BMS AN OPERATOR SHALL BE ABLE TO MANUALLY CHANGE THE LEAD/LAG SEQUENCE. IF THE LEAD START/STOP RELAY IS ENABLED AND THE CURRENT SWITCH STATUS IS OFF FOR MORE THAN 30 SECONDS (ADJ.), THE BMS CONTROLLER SHALL ANNUNCIATE A HOT WATER PUMP OR BOILER FAILURE ALARM TO THE BMS AND START THE NEXT PUMP OR BOILER IN THE SEQUENCE.

PROVIDE THE FOLLOWING POINTS TO THE BUILDING BMS (QUANTITY AS SHOWN IN DIAGRAM ABOVE):

BO - BOILER ENABLE/DISABLE
BI - BOILER STATUS
BO - BOILER ISOLATION VALVE
AI - BOILER WATER FLOW
BI - BOILER FLOW SWITCH
AI - HOT WATER WATER SUPPLY TEMPERATURE
AI - HOT WATER RETURN TEMPERATURE
AI - HOT WATER WATER SUPPLY MAIN TEMPERATURE
AI - HOT WATER RETURN MAIN TEMPERATURE
BO - HOT WATER PUMP START/STOP (EACH PUMP)
BI -HOT WATER PUMP STATUS (EACH PUMP)
AO - HOT WATER PUMP VFD SPEED (EACH PUMP)
AO - HOT WATER BYPASS VALVE
AI - HOT WATER DIFFERENTIAL PRESSURE



HOT WATER BOILER PLANT



ALARMS
INITIATE AN ALARM TO THE BAS WHEN:
1. DAT INDICATES TEMPERATURE IN DUCT ABOVE 120 F.

PROVIDE THE FOLLOWING POINTS HARDWIRED TO THE BMS:
1. AO - DAMPER CONTROL (0-100%).
2. AO - REHEAT VALVE CONTROL (0-100%).
3. AI - SPACE TEMPERATURE.
4. AI - SUPPLY AIR CFM.

PROVIDE THE FOLLOWING POINTS ON THE ASSOCIATED EQUIPMENT GRAPHIC IN ADDITION TO THE
HARDWIRED POINTS INDICATED ABOVE:
1. BOX ENABLE/DISABLE.
2. BOX K FACTOR.
3. HIGH AND LOW SPACE TEMPERATURE ALARMS.
4. MINIMUM/MAXIMUM/HEATING CFM SETTINGS.
5. OCCUPIED/UNOCCUPIED COMMAND.
6. OCCUPIED/UNOCCUPIED, HEATING/COOLING TEMPERATURE SETPOINTS.
7. SPACE/AREA SERVED.
8. SUPPLY AIR CFM SETPOINT.

OCCUPIED
1. COOLING: VAV DAMPER MODULATES BETWEEN MAXIMUM AND MINIMUM AIRFLOWS TO MAINTAIN ROOM TEMPERATURE COOLING SET POINT. UPON A DROP IN SPACE TEMPERATURE BELOW SETPOINT, THE VAV DAMPER SHALL MODULATE TO ITS MINIMUM POSITION. UPON A FURTHER DROP WITHIN A 5 MIN WINDOW, THE REHEAT COIL AUTOMATIC CONTROL VALVE SHALL OPEN. UPON A RISE IN SPACE TEMPERATURE SETPOINT, THE CONTROL VALVE SHALL MODULATE CLOSED.

FOR SPACES UTILIZING OCCUPANCY SENSORS, MINIMUM AIRFLOW IS RESET TO MIN. WHEN NO OCCUPANT IS PRESENT IN THE SPACE FOR MORE THAN 15 MINUTES. UPON SENSING OCCUPANCY, THE MINIMUM AIRFLOW IS IMMEDIATELY SET BACK TO 'OCCUPIED' MINIMUM. UPON A CALL FOR HEATING WHEN NO OCCUPANT IS PRESENT, MINIMUM AIRFLOW WILL REVERT TO 'OCCUPIED' MINIMUM AND RHC CONTROL VALVE AND VAV DAMPER WILL MODULATE AS DESCRIBED FOR ABOVE.

SINGLE DUCT VAV BOX WITH REHEAT SEQUENCE

UNIT HEATER WITH ELECTRIC HEATING COIL:

SYSTEM OFF:
THE FAN AND ELECTRIC HEATING COIL ARE DE-ENERGIZED.

SYSTEM START:
WHEN THE SYSTEM IS CALLED TO START EITHER LOCALLY AT THE UNIT DISCONNECT OR VIA THE BMS, THE FAN SHALL BE RELEASED FOR OPERATION AND SHALL GRADUALLY RAMP UP TO THE DESIGN SETPOINT. THE ELECTRIC HEATING COIL CONTROLLER SHALL BE RELEASED FOR OPERATION.

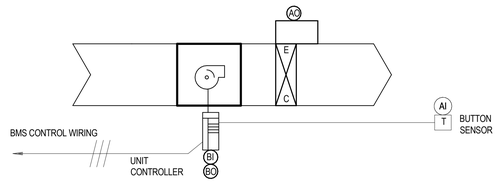
SYSTEM RUN:

THE FAN SHALL RUN AT THE DESIGN SETPOINT SPEED AND THE UNIT CONTROLLER SHALL ENERGIZE THE ELECTRIC HEATING COIL TO MAINTAIN A SPACE TEMPERATURE SET POINT OF 60F (ADJ.).

UPON SATISFYING THE SPACE TEMPERATURE SET POINT, THE UNIT CONTROLLER SHALL DE-ENERGIZE THE FAN AND ELECTRIC HEATING COIL.

PROVIDE THE FOLLOWING POINTS TO THE BUILDING BMS:
BO - FAN ENABLE/DISABLE
BI - FAN FAULT
AO - SCR CONTROL (0 - 100%)
AI - SPACE TEMPERATURE

ALARMS:
1. IF A FAULT IS DETECTED AT THE FAN, ALARM SHALL BE ANNUNCIATED AT THE BMS.
2. IF A FAULT IS DETECTED AT THE ELECTRIC HEATING COIL, ALARM SHALL BE ANNUNCIATED AT THE BMS.
3. IF SPACE TEMPERATURE FALLS BELOW 45 °F, ALARM SHALL BE ANNUNCIATED AT THE BMS.



TYPICAL ELECTRIC UNIT HEATER

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MECHANICAL CONTROL DIAGRAMS #1

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-801
SHEET 112 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-M-485-0
REV NO.: 0

SYSTEM OVERVIEW

EACH RTU WILL BE DIRECTLY CONTROLLED BY TWO (2) SEPARATE DEDICATED BMS (BUILDING MANAGEMENT SYSTEM) DDC (DIRECT DIGITAL CONTROLS) CONTROLLERS.

BMS DDC CONTROLLERS WILL BE CONNECTED TO A WALL MOUNTED ELECTRONIC ZONE TEMPERATURE SENSOR WITH INTEGRAL CO2 SENSOR, MODULATING OUTDOOR AIR DAMPER, AND RTU.
ONE (1) DDC CONTROLLER WILL BE DEDICATED TO THE DEMAND CONTROL OPERATION AND ONE (1) DCC CONTROLLER WILL BE DEDICATED TO THE SPACE TEMPERATURE OPERATION.

ELECTRONIC ZONE TEMPERATURE SENSOR SHALL HAVE A TOUCH SCREEN LED INTERFACE WHICH INCLUDES: 1) DIGITAL PUSHBUTTONS FOR WARMER/COOLER SETPOINT CONTROL; 2) VISUAL DISPLAY OF ROOM TEMPERATURE, ROOM CO2 AND AMBIENT OUTSIDE AIR TEMPERATURE; AND 3) DIGITAL PUSHBUTTON AFTER-HOURS OVERRIDE TIMER CONTROL, WITH USER ADJUSTABLE DURATION. THE AFTER-HOURS OVERRIDE DURATION AND USER ADJUSTMENTS SHALL HAVE THE ABILITY TO BE LIMITED FROM THE FRONT-END.

SYSTEM OFF

THE UNIT FAN IS OFF. THE OUTDOOR AIR MODULATING DAMPER SHALL BE CLOSED.
HOT WATER AUTOMATIC VALVES ARE CLOSED.

SYSTEM START

WHEN THE RTU IS IN OCCUPIED MODE OR AFTER HOURS MODE, THE CONTROLLER/S SHALL RELEASE THE UNIT FOR OPERATION.

SYSTEM RUN

UNIT FAN OPERATION

WHEN THE ZONE IS IN OCCUPIED MODE OR IN AFTER-HOURS MODE, THE FAN SHALL VARY ITS SPEED BASED ON THE SPACE TEMPERATURE (SEE GRAPH BELOW). DURING THE UNOCCUPIED MODE AS DETERMINED BY BMS TIME SCHEDULE, THE UNIT FAN CYCLES WITH DEMAND AND THE TEMPERATURE IS CONTROLLED BY THE UNOCCUPIED SPACE TEMPERATURE HEATING AND COOLING SETPOINTS.

DEMAND CONTROL VENTILATION

BMS DDC CONTROLLER WILL BE CONNECTED TO A WALL MOUNTED CO2 SENSOR TO MONITOR ZONE CO2 CONCENTRATION. DURING OCCUPIED MODE AND AFTER-HOURS, THE BMS DDC CONTROLLER SHALL MODULATE THE OUTDOOR AIR DAMPER TO THE MINIMUM AIRFLOW REQUIRED FOR ITS SPECIFIC ZONE (SEE SCHEDULE SHEET). WHEN THE SPACE CO2 LEVEL RISES ABOVE 700 PPM, THE FAN COIL UNIT OUTDOOR AIR DAMPER SHALL MODULATE GRADUALLY TOWARDS ITS MAXIMUM AIRFLOW SET POINT (SEE SCHEDULE SHEET) TO MAINTAIN THE SPACE CO2 LEVEL AT 700 PPM.

HEATING OPERATION

WHEN THE SPACE TEMPERATURE DROPS BELOW SPACE HEATING TEMPERATURE SET POINT (70F ADJ.) THE BMS DDC CONTROLLER SHALL MODULATE THE HOT WATER HEATING COIL CONTROL VALVE TO ITS FULLY OPEN POSITION. THE HOT WATER VALVE SHALL BE CLOSED WITHIN THE SPACE TEMPERATURE DEADBAND SET POINT. SEE GRAPH BELOW.

COOLING OPERATION

WHEN THE SPACE TEMPERATURE RISES ABOVE THE SPACE COOLING TEMPERATURE SET POINT (74 ADJ.) THE BMS DDC CONTROLLER SHALL MODULATE THE CHILLED WATER COOLING COIL CONTROL VALVE TO ITS FULLY OPEN POSITION. THE CHILLED WATER VALVE SHALL BE CLOSED WITHIN THE SPACE TEMPERATURE DEADBAND SET POINT. SEE GRAPH BELOW.

MORNING WARM UP

DURING MORNING WARM-UP AND COOL DOWN, THE OUTDOOR AIR DAMPER SHALL REMAIN CLOSED, THE RESPECTIVE HEATING COIL VALVE (WARM-UP) OR CHILLED WATER VALVE (COOL DOWN) SHALL OPEN, AND THE UNIT SHALL RE-CIRCULATE AIR UNTIL THE SPACE IS AT SET POINT.

SYSTEM SAFETIES

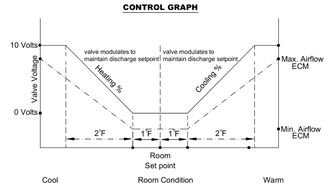
UPON ACTIVATION OF THE DRAIN PAN HIGH LEVEL SWITCH, THE UNIT SHALL ENTER FAULT MODE AND REVERT TO "SYSTEM OFF" MODE. ALARM SHALL BE ANNUNCIATED AT THE BMS WORKSTATION.

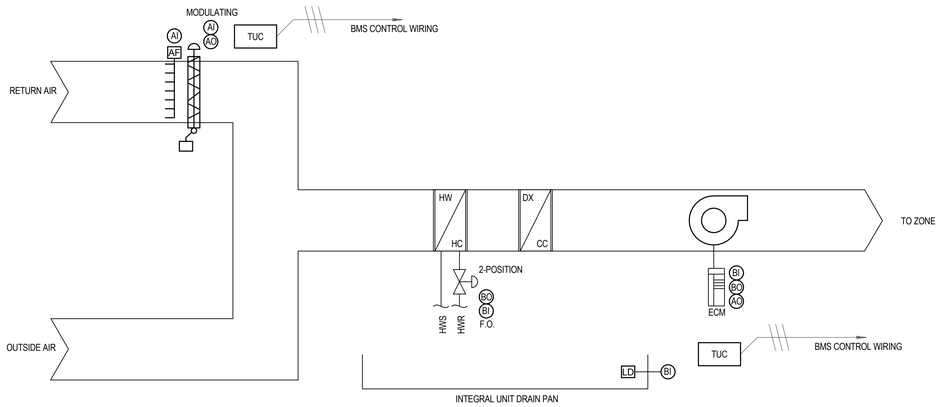
ALARMS

THE BMS DDC CONTROLLERS SHALL MONITOR THE FOLLOWING AND INDICATE AN ALARM AT THE CENTRAL BMS WORKSTATION:

TEMPERATURE SENSOR FAILURE/FAULT
OUTSIDE AIR DAMPER FAILURE/FAULT
CO2 SENSOR FAILURE/FAULT
HIGH WATER LEVEL IN DRAIN PAN
FAN FAILURE/FAULT

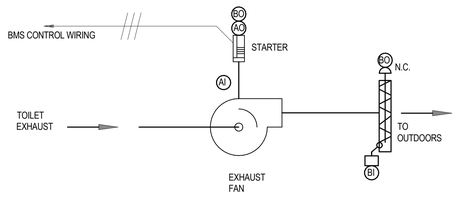
CONTROL GRAPH





AI - OUTDOOR AIR AIRFLOW MONITORING (CFM)
AI - MODULATING OUTDOOR AIR DAMPER FEEDBACK
AO - MODULATING OUTDOOR AIR DAMPER COMMAND
BO - 2- POSITION HYDRONIC VALVE COMMAND (TYPICAL)
BI - 2- POSITION HYDRONIC VALVE FEEDBACK (TYPICAL)
BI - HIGH LEVEL SENSOR
BI - ECM STATUS
BO - ECM START/STOP
AO - ECM SPEED
AI - SPACE TEMPERATURE
AI - SPACE CO2
BI- LEAK DETECTOR

RTU WITH DEMAND CONTROL VENTILATION



EXHAUST FAN

SYSTEM OFF:
THE FAN IS DE-ENERGIZED.

SYSTEM START:
WHEN THE SYSTEM IS CALLED TO START VIA THE BMS EXHAUST FAN MOTORIZED ISOLATION DAMPERS SHALL BE COMMANDED OPEN. UPON THE DAMPER END SWITCH CONFIRMING THE MOTORIZED DAMPERS ARE PROVED OPEN, THE EXHAUST FAN VFDS SHALL BE RELEASE FOR OPERATION AND THE FAN SHALL GRADUALLY RAMP UP TO PREDETERMINED FAN SPEED (DETERMINED DURING SYSTEM START-UP AND BALANCING).

SYSTEM RUN:

THE EXHAUST FAN SHALL RUN AT CONSTANT SPEED.

ALARMS:
1. UPON THE FAN VFD ENTERING FAULT MODE, ALARM SHALL BE ANNUNCIATED OVER THE BMS AND AT THE OPERATOR'S WORKSTATION.

PROVIDE THE FOLLOWING POINTS TO THE BUILDING BMS:
AI - FAN KWH
BO - ENABLE/DISABLE
AO - VFD SPEED (Hz)
BI - VFD FAULT
BI - VFD STATUS
BI - MOTORIZED DAMPER END SWITCH (TYP/ALL)
BO- MOTORIZED DAMPER OPEN/CLOSE (TYP/ALL)

TYPICAL EXHAUST FAN (TOILET, ETC.)

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

MECHANICAL CONTROL DIAGRAMS #2

CONTRACT NUMBER: 25-532
SHEET NUMBER: M-802
SHEET 113 of 162
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DATE: 09/02/2026
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ELECTRICAL LEGEND AND ABBREVIATIONS

EQUIPMENT NAMING LEGEND

1ST	NONE	NORMAL POWER
	E	EMERGENCY POWER
	S	LEGALLY REQUIRED STANDBY POWER
	O	OPTIONAL STANDBY POWER
	U	UPS POWER
2ND	LP	PANELBOARD (120/208V)
	HP	PANELBOARD (277/480V)
	LDP	DISTRIBUTION PANEL (120/208V)
	HDP	DISTRIBUTION PANEL (277/480V)
	SL	SWITCHBOARD (120/208V)
	SH	SWITCHBOARD (277/480V)
	MS	MAIN SWITCHBOARD
	MCC	MOTOR CONTROL CENTER
	PDU	POWER DISTRIBUTION UNIT
	PSG	PRIMARY SWITCHGEAR
	SS	SUBSTATION
	T	TRANSFORMER
	ATS	AUTOMATIC TRANSFER SWITCH
	BUS	BUS DUCT
	RMC	RESIDENTIAL METER CENTER
3RD	1	FLOOR LEVEL
4TH	W	WEST, EAST, NORTH OR SOUTH
5TH	A	FIRST ON FLOOR
6TH	#2,4,6	CIRCUIT NUMBERS

EXAMPLES: ELP-1WA, #2,4,6 | OHDP-5EC, #2,4,6

RACEWAY LEGEND

	CONDUIT CONCEALED WITHIN WALL OR CEILING SPACE
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT STUB WITH CAP
	CIRCUIT HOMERUN

PHASE CONDUCTOR(S)
GROUNDING CONDUCTOR
NEUTRAL CONDUCTOR

GENERAL LEGEND

1	SHEET KEY / DIAMOND NOTE NUMBER
1	REVISION NUMBER
1 / E-100	DETAIL DESIGNATION — DETAIL NUMBER, DWG. SHEET NO.

PHASING LINETYPES

- - - - -	EXISTING TO BE DEMOLISHED
———	EXISTING TO REMAIN
———	NEW

ABBREVIATIONS LEGEND

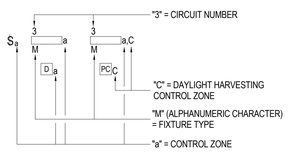
A	AMPERES
AFF	ABOVE FINISHED FLOOR
AS/AF	AMPERE RATING OF SWITCH / FUSE
AF/AT	AMPERE RATING OF CIRCUIT BREAKER FRAME / TRIP
A/V	AUDIO / VISUAL
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
(ED)	EXISTING TO BE DEMOLISHED
(EL)	EXISTING IN NEW LOCATION
(ER)	EXISTING TO BE RELOCATED
(EX)	EXISTING TO REMAIN
EC	EMPTY CONDUIT
ECC	ENGINEERING CONTROL CENTER
ELEV	ELEVATOR
EM/NL	EMERGENCY NIGHT LIGHT
EMT	ELECTRICAL METALLIC TUBING
(F)	FUTURE
FC	FOOT CANDLE
FCC	FIRE COMMAND CENTER
GFI	GROUND FAULT INTERRUPTER
G	GROUND
HP	HORSEPOWER
IG	ISOLATED GROUND
INV	INVERTER
LCP	LIGHTING CONTROL PANEL
MCP	MOTOR CIRCUIT PROTECTOR
MI	MINERAL INSULATED CABLE
(N)	NEW
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N.T.S.	NOT TO SCALE
PVC	POLYVINYL CHLORIDE CONDUIT
RAC	RIGID ALUMINUM CONDUIT
RGS	RIGID GALVANIZED STEEL CONDUIT
SCC	SECURITY CONTROL CENTER
TEL	TELECOMMUNICATIONS
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
WP	WEATHERPROOF
XP	EXPLOSION PROOF

LIGHTING LEGEND

	WALL MOUNTED LIGHTING FIXTURE
	CEILING MOUNTED LIGHTING FIXTURES; SIZE APPROXIMATELY AS SHOWN
	WALL MOUNTED LIGHTING FIXTURE; SIZE APPROXIMATELY AS SHOWN
EM / EM	LIGHTING FIXTURES CONNECTED TO EMERGENCY POWER SYSTEM
	WALL MOUNTED EXIT SIGN
	CEILING MOUNTED EXIT SIGN

REFER TO LIGHTING FIXTURE SCHEDULE FOR EXACT MOUNTING TYPE. (SURFACE / RECESSED, WALL / CEILING / PENDANT)

LIGHTING & CONTROL DEVICE SUBSCRIPT LEGEND



NOTE: OCCUPANCY SENSOR TYPICALLY CONTROLS ALL LIGHTS IN ROOM, UON.

CONTROL ZONE SUBSCRIPT KEY

a-z	=	ZONE CONTROLLED BY MANUAL DEVICES AND OCCUPANCY SENSORS INDICATED
A-Z	=	DAYLIGHT HARVESTING ZONE CONTROLLED BY PHOTO CELL INDICATED

PROGRAMMABLE LIGHTING CONTROLS

OS	OCCUPANCY SENSOR; CEILING MOUNTED
VS	VACANCY SENSOR; CEILING MOUNTED
PC	PHOTOCELL (OUTDOOR TYPE)

LIGHTING CONTROLS

$	SINGLE POLE SWITCH
$3	THREE WAY SWITCH
$4	FOUR WAY SWITCH
$D	DIMMER SWITCH
$OS	OCCUPANCY SENSOR SWITCH
$VS	VACANCY SENSOR SWITCH

POWER LEGEND

	ELECTRICAL EQUIPMENT, SIZE APPROXIMATELY AS SHOWN; DOUBLE LINE INDICATES FRONT OF EQUIPMENT
	SURFACE MOUNTED PANEL, SIZE APPROXIMATELY AS SHOWN
	RECESSED MOUNTED PANEL, SIZE APPROXIMATELY AS SHOWN
	HORIZONTAL BUS DUCT
T / F	DRY TYPE TRANSFORMER
G	GENERATOR
GSP	GENERATOR STATUS PANEL
	AUTOMATIC TRANSFER SWITCH (ATS), 208V
	DISCONNECT SWITCH, 208V
	DISCONNECT SWITCH WITH FUSE, 208V
$T	THERMAL OVERLOAD / DISCONNECT SWITCH
EPO	EMERGENCY POWER OFF SWITCH
MGB	ELECTRICAL MAIN GROUND BUS BAR
G	LOCAL GROUND BUS BAR
TMGB	TELECOM MAIN GROUND BUS BAR
#	MOTOR CONNECTION; NUMBER INDICATES HP
J	JUNCTION BOX; CEILING MOUNTED
J	JUNCTION BOX; WALL MOUNTED
P / B	PULL BOX
	5/8" x 10'-0" COPPERWELD GROUND ROD AND CONNECTOR
	CIRCUIT BREAKER
	FUSED SWITCH
	DRAW-OUT FUSED SWITCH
SM	ELECTRONIC SUB-METERING
	TRANSFORMER
K	KIRK KEY INTERLOCK
AC-3 / L1B1, #20,22	EQUIPMENT TAG / POWER SOURCE

FIRE ALARM LEGEND

FACP	FIRE ALARM CONTROL PANEL
FSD	FIRE / SMOKE DAMPER WITH THERMAL OVERLOAD SWITCH

REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION

WIRING DEVICE LEGEND

CEILING MOUNTED	
	DUPLEX RECEPTACLE - 125V, 20A
	QUAD RECEPTACLE - 125V, 20A
WALL MOUNTED	
	DUPLEX RECEPTACLE - 125V, 20A
GFI	DUPLEX GFI RECEPTACLE - 125V, 20A
	QUAD RECEPTACLE - 125V, 20A [PROVIDE AS 2 SEPARATE DUPLEX RECEPTACLES]
GFI	QUAD GFI RECEPTACLE - 125V, 20A [PROVIDE AS 2 SEPARATE DUPLEX RECEPTACLES]
CONTROLLED RECEPTACLES	
	INDICATES 50% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECTED TO CIRCUIT WITH AUTOMATIC SHUTOFF
	INDICATES 100% OF POWER OUTLETS IN DEVICE PERMANENTLY LABELED AS "CONTROLLED" AND CONNECTED TO CIRCUIT WITH AUTOMATIC SHUTOFF

FLOOR DEVICES LEGEND

RECESSED FLUSH	
	COMBINED QUAD RECEPTACLE / DATA - 125V, 20A
POKE-THROUGH RECESSED FLUSH	
	COMBINED QUAD RECEPTACLE / DATA - 125V, 20A

GENERAL NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE A MINIMUM OF 1-1/4" EC WITH PULL ROPE FROM EACH FLOOR DEVICE TO THE NEAREST ACCESSIBLE HUNG CEILING ON THE PROJECT FLOOR FOR DATA / LOW VOLTAGE CABLING.

RECEPTACLE SUBSCRIPT KEY

CM	COFFEE MAKER
FRE	FREEZER
GFI	GROUND FAULT INTERRUPTER
MW	MICROWAVE
REF	REFRIGERATOR
TV	TELEVISION / MONITOR
WP	WEATHERPROOF



SITE LOCATION
SCALE: NTS

WORK ALTERATION - LEVEL 3
1 LOOP ROAD, NORTH CASTLE
SECTION, BLOCK, LOT DESIGNATION - 119.03-1-3

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CHECKED BY: JOSEPH DELPOZZO
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ELECTRICAL LEGEND & ABBREVIATIONS

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SHEET 114 of 162
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ELECTRICAL GENERAL NOTES

ELECTRICAL DEMOLITION GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WORK AND SCOPE REQUIRED FOR THE RELOCATIONS AND REMOVALS OF THE ELECTRICAL WORK WITHIN THE AREA OF WORK. DEMOLITION INCLUDES ALLOWANCES FOR WORK CONCEALED WITHIN THE WALLS, CEILINGS AND FLOOR WITHIN THE DEMOLITION SPACE.

2. THE ELECTRICAL CONTRACTOR SHALL PERFORM DEMOLITION WORK WITH NO INTERFERENCES (POWER, LIGHTING, AND FIRE ALARM) TO THE FUNCTIONAL SURROUNDING SPACES. SHOULD SUCH WORK REQUIRE SHUTDOWNS OR RELOCATIONS, THEY SHALL BE INCLUDED AND PERFORMED UPON WRITTEN COORDINATION WITH THE BUILDING MANAGEMENT. ANY RELOCATIONS SHALL BE FULLY RESTORED AND MADE OPERATIONAL UPON COMPLETION OF ALL WORK.

3. ANY RELOCATION WORK WHICH REQUIRES TEMPORARY SERVICES SHALL BE PROVIDED UNTIL THE PERMANENT SERVICES ARE AVAILABLE. ONCE PERMANENT SERVICE IS RESTORED, ANY TEMPORARY SERVICES, INCLUDING WIRING, CONDUITS, BOXES, ETC. SHALL BE DISCONNECTED AND REMOVED.

4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE BUILDING MANAGEMENT OF THE PROJECT DEMOLITION AND CONSTRUCTION SCHEDULE. ANY REMOVALS AND RELOCATIONS WHICH WILL REQUIRE ANY UTILITY SHUTDOWNS MUST BE IDENTIFIED AND SUBMITTED, PER BUILDING STANDARDS, PRIOR TO ANY WORK. ONCE WRITTEN APPROVALS ARE RECEIVED, THE CONTRACTOR SHALL BEGIN WORK IN ACCORDANCE WITH THE OVERALL PROJECT SCHEDULE. ANY REQUESTS TO THE BUILDING MANAGEMENT SHALL BE A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE.

5. THE ELECTRICAL CONTRACTOR SHALL FULLY REVIEW AND PROVIDE ALL WORK INDICATED ON THE ARCHITECTURAL AND ELECTRICAL CONTRACT DRAWINGS. ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER. SCOPE SHALL INCLUDE ALL NECESSARY PATCH, REPAIR, AND RESTORATION WORK TO ANY DAMAGED BUILDING SPACES TO MATCH ORIGINAL CONDITIONS. ANY UNUSED JUNCTION BOXES SHALL BE PROVIDED WITH NEW COVER PLATES.

6. THE DEMOLITION REMOVAL SCOPE OF WORK SHALL INCLUDE ALL LIGHTING, SWITCHING, CONTROLS, RECEPTACLES, FEEDERS, POWER AND CONTROLS TO HVAC AND PLUMBING EQUIPMENT CONNECTIONS, ELECTRICAL DEVICES ALONG WITH ALL ASSOCIATED WIRING, JUNCTION BOXES AND RACEWAYS.

7. SHOULD ANY REMOVALS SERVE OTHER AREAS WHICH MUST REMAIN ACTIVE, PROVIDE ALL NECESSARY TRACING, WIRING, BOXES, RACEWAYS, ETC. TO RE-ROUTE AND RELOCATE THE CIRCUITS AFFECTED TO PROVIDE CONTINUOUS POWER SUPPLY. ANY ACTIVE RACEWAYS WHICH BECOME EXPOSED DURING THE DEMOLITION PHASE SHALL BE RE-ROUTED BEHIND WALL AND / OR ABOVE CEILING SPACES WITH WIRING AND CONDUIT TO MATCH THE EXISTING CONDITIONS.

8. ANY ABANDONED RACEWAYS, JUNCTION BOXES, CABLES, RECEPTACLES, SWITCHES, ETC. LOCATED IN THE AREA OF WORK SHALL BE DISCONNECTED AND REMOVED.

9. ANY SYSTEMS WHICH ARE NOT REQUIRED FOR THE NEW SCOPE OF WORK SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE POWER SOURCE AND LOAD. FULLY REMOVE ALL WIRING, CONDUIT, BOXES, ETC.

10. AS PART OF THE OVERALL ELECTRICAL WORK, PROVIDE NEW UPDATED PANEL BOARD DIRECTORIES TO ALSO INCLUDE CIRCUITS REMOVED / DE-ENERGIZED FROM THE PANELS.

11. THIS CONTRACTOR SHALL PROTECT ANY EXISTING JUNCTION AND PULL BOXES SERVING OTHER AREAS / TENANTS WHICH MUST REMAIN. PROVIDE ALL REQUIRED ACCESS PANELS FOR SUCH BOXES AND COORDINATE LOCATIONS WITH THE ARCHITECT AND BUILDING MANAGEMENT PRIOR TO INSTALLATION.

12. ALL WALL, FLOOR, OR CEILING OPENINGS CREATED BY THE DEMOLITION WORK AND NOT USED FOR THE NEW WORK SHALL BE PROPERLY SEALED, PATCHED AND FIRE STOPPED TO MATCH THE EXISTING FIRE RATING AND INTEGRITY. THIS INCLUDES ANY FLOOR BOXES AND / OR POKE-THRU FITTINGS WHICH HAVE BEEN REMOVED.

13. SHOULD ANY DAMAGE OR UNAUTHORIZED MODIFICATIONS OCCUR TO THE EXISTING BUILDING SYSTEMS, THEY SHALL BE IMMEDIATELY CORRECTED BY THIS CONTRACTOR, AT NO ADDITIONAL COST, UNTIL ACCEPTABLE TO BUILDING MANAGEMENT.

14. ALL EXISTING CABLING (POWER AND DATA) SHALL BE FULLY REMOVED FROM THE EXISTING CELLULAR FLOOR SYSTEM AND WITHIN THE PERIMETER CONVECTORS.

15. ALL EXISTING LOW VOLTAGE (SECURITY, POS, AV, DATA, ETC.) CABLING, RACKS, SUPPORTS, CABLE TRAYS, CONDUITS, JUNCTION BOXES, ETC. SHALL BE FULLY REMOVED FROM THE EXISTING TENANT SPACE.

16. ALL FIRE ALARM DEVICES, AND RESPECTIVE CABLING, SHALL REMAIN FULLY FUNCTIONAL IN THE DEMOLISHED AREA. DEVICES SHALL BE TEMPORARILY SUPPORTED WITHIN THE DEMOLITION SPACE TO PROVIDE PROPER ANNUNCIATION AND NOTIFICATION TO THE BUILDING AND OCCUPANTS, RESPECTIVELY. THIS INCLUDES ALL MANUAL PULL STATIONS, WARDEN STATIONS, FIRE SMOKE DAMPERS, SPRINKLER WATER FLOW AND TAMPER SWITCHES. ALL FIRE ALARM WORK SHALL BE FULLY COORDINATED WITH THE BUILDING FIRE ALARM SYSTEM VENDOR.

17. MAINTAIN ALL EXISTING EXIT SIGNS, EGRESS EMERGENCY LIGHTING AND ASSOCIATED CIRCUITS. DEVICES SHALL BE TEMPORARILY SUPPORTED TO THE CEILING SLAB WITHIN THE DEMOLITION SPACE TO PROVIDE PROPER ILLUMINATION TO THE BUILDING AND OCCUPANTS, RESPECTIVELY. DISCONNECT AND REMOVE UPON ACTIVATION OF THE NEW EMERGENCY AND EXIT LIGHTING SYSTEM.

18. THIS CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL REQUIRED TEMPORARY POWER AND LIGHTING FOR ALL TRADES TO SUPPORT ALL PHASES OF DEMOLITION. ALL UTILITY TIE-IN METERING AND LOCATIONS SHALL BE COORDINATED WITH BUILDING MANAGEMENT PRIOR TO ANY WORK. PROVIDE ALL NECESSARY DISTRIBUTION EQUIPMENT, WIRING, CONDUIT, DISCONNECT SWITCHES, METERS, RECEPTACLES, LED LIGHT FIXTURES, ETC. DISCONNECT AND REMOVE WHEN NEW CONSTRUCTION IS COMPLETED.

19. PROPERLY DISCARD AND DISPOSE OF ALL REMOVALS IN ACCORDANCE WITH BUILDING REGULATIONS.

20. BUILDING SPRINKLER SYSTEM WILL BE TEMPORARILY SHUT DOWN DURING THE DEMOLITION PHASE. CONTRACTOR TO PROVIDE 24/7 FIRE WATCH FOR THE BUILDING IF THE EXISTING FIRE ALARM PANEL DOES NOT HAVE THE CAPACITY FOR HEAT DETECTORS TO BE PROVIDED THROUGHOUT THE BUILDING. IF HEAT DETECTORS ARE PROVIDED, LAYOUT OF HEAT DETECTORS SHALL BE PROVIDED FOR REVIEW AND APPROVED BY THE COUNTY / AIRPORT BEFORE ANY HEAT DETECTORS ARE INSTALLED. THE COUNTY / AIRPORT FIRE ALARM SERVICE COMPANY SHALL BE CALLED PRIOR TO INSTALLING THE HEAT DETECTORS TO REPROGRAM AND TEST THE FIRE ALARM SYSTEM AFTER THE HEAT DETECTORS ARE INSTALLED.

ELECTRICAL GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WORK AND SCOPE REQUIRED FOR THE COMPLETE AND OPERATIONAL INSTALLATION OF THE ELECTRICAL AND FIRE ALARM WORK AS INDICATED ON THE CONTRACT DOCUMENTS.

2. THE ELECTRICAL INSTALLATION SHALL COMPLY WITH ALL THE REQUIREMENTS OF THE FOLLOWING CODES AND STANDARDS, LATEST EDITION:

   A. 2020 NATIONAL ELECTRICAL CODE (NFPA-70)
   B. 2020 NEW YORK STATE BUILDING CODE
   C. 2020 NEW YORK STATE FIRE CODE (NFPA-72) AND LOCAL FIRE DEPARTMENT REQUIREMENTS
   D. 2020 ENERGY CONSERVATION CODE
   E. 2016 ASHRAE STANDARD 90.1
   F. BUILDING RULES AND REGULATIONS
   G. UTILITY COMPANY STANDARDS AND REQUIREMENTS
   H. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
   I. UNDERWRITERS LABORATORIES, INC. (UL)
   J. ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ICC A117.1-2009
   K. ALL LOCAL AUTHORITIES JURISDICTION (AHJ) DIRECTIVES AND REQUIREMENTS

3. THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK WITH NO INTERFERENCES TO THE FUNCTIONAL SURROUNDING SPACES. SHOULD SUCH WORK REQUIRE SHUTDOWNS OR RELOCATIONS, THEY SHALL BE INCLUDED AND PERFORMED UPON WRITTEN COORDINATION AND APPROVAL WITH THE BUILDING MANAGEMENT. ANY RELOCATIONS OR MODIFICATIONS SHALL BE FULLY RESTORED AND MADE OPERATIONAL UPON COMPLETION OF ALL WORK.

4. THE ELECTRICAL CONTRACTOR SHALL SUBMIT ROOM LAYOUTS OF EQUIPMENT IN ALL ELECTRICAL, MECHANICAL, ATS, UTILITY ROOMS AFTER FULL COORDINATION WITH ALL TRADES TO MEET CODE CLEARANCE REQUIREMENTS, PRIOR TO PURCHASING EQUIPMENT.

5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE BUILDING MANAGEMENT OF THE PROJECT CONSTRUCTION SCHEDULE. ANY REMOVALS AND RELOCATIONS WHICH WILL REQUIRE ANY UTILITY SHUTDOWNS MUST BE IDENTIFIED AND SUBMITTED, PER BUILDING STANDARDS, PRIOR TO ANY WORK. ONCE WRITTEN APPROVALS ARE RECEIVED, THE CONTRACTOR SHALL BEGIN WORK IN ACCORDANCE WITH THE OVERALL PROJECT SCHEDULE. ANY REQUESTS TO THE BUILDING MANAGEMENT SHALL BE A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE.

6. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED JUNCTION AND PULL BOXES TO SUIT THE ACTUAL FEEDER / CIRCUIT ROUTES. SUCH BOXES SHALL BE SIZED BY THE CONTRACTOR IN ACCORDANCE WITH THE NEC AND THEIR LOCATIONS BE COORDINATED WITH ALL TRADES TO ENSURE FULL ACCESSIBILITY.

7. THE ELECTRICAL CONTRACTOR SHALL FULLY REVIEW AND PROVIDE ALL WORK INDICATED ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS. ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER. PROVIDE ALL LABOR, MATERIALS, ETC. TO COMPLETE THE WORK UNDER THIS CONTRACT. ALL SYSTEMS SHALL BE FURNISHED, INSTALLED, TESTED, AND COMMISSIONED FOR A FULLY OPERATIONAL SYSTEM. SCOPE SHALL INCLUDE ALL NECESSARY PATCH, REPAIR AND RESTORATION WORK TO ANY DAMAGED BUILDING SPACES TO MATCH ORIGINAL CONDITIONS. ANY UNUSED JUNCTION BOXES SHALL BE PROVIDED WITH NEW COVER PLATES.

8. REFER TO THE ARCHITECTURAL DOCUMENTS FOR THE EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL ELECTRICAL AND FIRE ALARM DEVICES PRIOR TO ANY WORK.

9. ALL POWER BRANCH CIRCUITS SHALL BE EQUIPPED WITH DEDICATED NEUTRAL AND GROUND CONDUCTORS.

10. PROVIDE ALL LABOR AND MATERIAL TO COMPLETE THE WORK UNDER THIS CONTRACT. ALL SYSTEMS SHALL BE FURNISHED, INSTALLED, TESTED, AND COMMISSIONED FOR A FULLY OPERATIONAL SYSTEM.

11. THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED FOR TEMPORARY POWER AND LIGHTING REQUIREMENTS DURING DEMOLITION AND CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH THE GENERAL CONTRACTOR PRIOR TO BID AND INCLUDE COST.

12. ALL ELECTRICAL EQUIPMENT SIZES AND LOCATIONS ARE ONLY SHOWN DIAGRAMMATICALLY. COORDINATE WITH ARCHITECT AND FIELD CONDITIONS FOR EXACT LOCATIONS PRIOR TO PURCHASE & INSTALLATION.

13. LOCATION OF DEVICES / EQUIPMENT SHOWN ON PLAN ARE APPROXIMATE. COORDINATE WITH ARCHITECT FOR EXACT LOCATIONS PRIOR TO PURCHASE & INSTALLATION.

14. FURNISH AND INSTALL WIRING, CONDUIT, JUNCTION / OUTLET BOXES, DISCONNECTS, OVER-CURRENT PROTECTION DEVICES, AND FINAL CONNECTIONS FOR EQUIPMENT FURNISHED BY OTHERS, AS SHOWN ON ARCHITECTURAL, HVAC, PLUMBING, IT AND / OR ELECTRICAL DRAWINGS. COORDINATE WITH OTHER TRADES FOR DETAILS OF INSTALLATION AND ELECTRICAL REQUIREMENTS.

15. REFER TO LOW VOLTAGE CONSULTANT FOR TELECOM, AUDIO / VISUAL SYSTEM, AND SECURITY SYSTEM REQUIREMENTS (POWER, EMPTY CONDUITS, STUB-UP'S, RELAYS, SYSTEM INTERFACE, BACK-BOXES, ETC.)

16. ELECTRICAL DRAWINGS INDICATE CIRCUIT NUMBERS FOR RECEPTACLES, LIGHTING FIXTURES, AND OTHER EQUIPMENT FEEDS. UNLESS OTHERWISE NOTED, PROVIDE 2#12 + 1#12G, IN 3/4" CONDUIT FOR 20A CIRCUIT BREAKERS IN PANELS INDICATED. CIRCUIT NUMBERS NOTED ON PLANS ARE FOR GROUPING PURPOSES ONLY. FINAL NUMBERING SYSTEM TO BE NOTED ON AS-BUILT DRAWINGS AND ON TYPED PANELBOARD DIRECTORY CARDS.

17. BACK-TO-BACK OUTLETS IN THE SAME WALL, OR "THROUGH-WALL" TYPE BOXES ARE NOT PERMITTED. PROVIDE 12-INCH MINIMUM SPACING FOR OUTLETS SHOWN ON OPPOSITE SIDES OF A COMMON WALL. REFER TO SPECIFICATION 26 05 33 (3.03) FOR ADDITIONAL INFORMATION.

18. ALL SWITCHED RECEPTACLES SHALL BE TIED TO THE LIGHTING CONTROL SYSTEM FOR AUTOMATIC (TIME-CLOCK) CONTROL VIA OCCUPANCY / VACANCY SENSOR.

19. ALL WORK SHALL BE BY A WESTCHESTER COUNTY LICENSED ELECTRICIAN. CONTRACTOR TO PROVIDE A THIRD PARTY INSPECTION AND PAY ALL ASSOCIATED COSTS.

ELECTRICAL LIGHTING GENERAL NOTES:

1. VERIFY SWITCHES, DIMMERS, AND COVER PLATE FINISHES WITH THE ARCHITECT AND / OR OWNER REPRESENTATIVES BEFORE PURCHASE & INSTALLATION OF DEVICES.

2. WHERE MULTIPLE SWITCHES AND DIMMERS ARE INDICATED AT THE SAME LOCATION, THEY SHALL BE GANGED TOGETHER AND MOUNTED BEHIND A COMMON FACE PLATE, UNLESS POWERED FROM AN EMERGENCY POWER SOURCE. PROVIDE SEPARATE OUTLET BOXES FOR NORMAL AND EMERGENCY CIRCUITS.

3. WHEN INSTALLING SWITCH BOX DIMMERS SIDE-BY-SIDE IN STANDARD 2-INCH DEEP WALL BOXES, DE-RATE DEVICES IN ACCORDANCE WITH THE MANUFACTURERS' CAPACITY DE-RATING CHART.

4. CONTRACTOR TO LOCATE ALL TRANSFORMERS (INCLUDING, BUT NOT LIMITED TO, LOW VOLTAGE, REMOTE BALLASTS, LED POWER SUPPLIES, ETC.) NEAR FIXTURES IN WELL-VENTILATED AND ACCESSIBLE LOCATIONS. PROVIDE REMOVABLE ACCESS PANELS FOR MAINTENANCE OF EQUIPMENT. ARCHITECT TO APPROVE FINAL LOCATION OF EQUIPMENT AND ACCESS PANELS. EQUIPMENT SHALL BE PROPERLY LABELED. COORDINATE ALL EQUIPMENT REQUIREMENTS WITH LIGHTING DESIGNER DRAWINGS.

5. ALL POWER & CONTROL WIRING TO BE IN SEPARATE EMT CONDUIT, TIGHT TO SLAB, AND AROUND BEAM IN AREAS WITH EXPOSED CEILING. PROVIDE CABLE TRAY FOR LOW VOLTAGE AT OPEN CEILING AS REQUIRED.

6. REFER TO ARCHITECTURAL REFLECTED CEILING DRAWINGS FOR LIGHTING FIXTURE LAYOUTS. REFER TO LIGHTING CONSULTANT DRAWINGS FOR FIXTURE SCHEDULE, CONTROLS NARRATIVE, AND CONTROL DETAILS FOR CONTROL / SWITCHING REQUIREMENTS.

7. ALL LIGHT SWITCH LOCATIONS SHALL BE COORDINATED AND APPROVED BY THE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION.

8. COORDINATE ALL LIGHTING CONTROL ZONES WITH ARCHITECT / LIGHTING CONSULTANT.

9. ALL LIGHT FIXTURES IN STAIRWELLS SHALL BE PROVIDED WITH INTEGRAL OCCUPANCY SENSORS FOR CONTROL.

10. ALL LIGHTING SHALL BE CONTROLLED BY THE LIGHTING CONTROL SYSTEM WITH THE EXCEPTION OF EXIT SIGNS AND EMERGENCY NIGHT LIGHTS DENOTED 'EM/NL'. EXIT SIGNS AND EMERGENCY NIGHT LIGHT FIXTURES SHALL BE UNSWITCHED AND OPERATIONAL 24/7.

11. COORDINATE WITH OTHER TRADES TO AVOID CONFLICT BETWEEN INSTALLATION OF LIGHTING FIXTURES AND SUPPORTS WITH THE INSTALLATION OF MECHANICAL EQUIPMENT, CEILING STRUCTURES, ETC.

12. INSTALL LUMINAIRES IN MECHANICAL / ELECTRICAL EQUIPMENT ROOMS AFTER THE CONDUITS, DUCTWORK, AND PIPING INSTALLATION. LOCATE AND MOUNT LUMINAIRES AS INDICATED ON THE CONTRACT DRAWINGS UNLESS MECHANICAL / ELECTRICAL EQUIPMENT PROHIBITS OR MAKES IT IMPRACTICAL TO DO SO. IN SUCH CASES, CHAIN, OR WALL MOUNT LUMINAIRES SO THAT SERVICEABLE EQUIPMENT IS ILLUMINATED.

ELECTRICAL CONDUIT ROUTING GENERAL NOTES:

1. ALL CONDUIT ROUTES ARE DIAGRAMMATICALLY INDICATED ON THE CONTRACT DOCUMENTS TO OUTLINE THE GENERAL ROUTING OF MAJOR FEEDERS AND BRANCH WIRING. IT IS NOT WITHIN THE SCOPE OF THESE DRAWINGS TO SHOW ALL NECESSARY BENDS, OFFSETS, PULL BOXES, CABLE SUPPORT BOXES, JUNCTION BOXES, AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE WITH THE ARCHITECT AND ALL SUB-CONTRACTORS, CONFORMING TO THE REQUIREMENTS OF THE ELECTRICAL CODE, FIELD CONDITIONS, AND TO PRESERVE HEADROOM.

2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED JUNCTION AND PULL BOXES TO SUIT THE ACTUAL FEEDER / CIRCUIT ROUTES. SUCH BOXES SHALL BE SIZED BY THE CONTRACTOR IN ACCORDANCE WITH THE NEC AND THEIR LOCATIONS BE COORDINATED WITH ALL TRADES TO ASSURE FULL ACCESSIBILITY. PROVIDE LABELED COVERS FOR ALL JUNCTION BOXES, PULL BOXES AND WIRE TROUGHS.

3. CONDUIT ROUTES SHALL CLEAR ALL ARCHITECTURAL FEATURES (DOORS, WINDOWS, ETC.) AND STRUCTURAL MEMBERS. CONDUIT INSTALLATION SHALL ALSO BE MADE TO AVOID INTERFERENCE WITH PIPES, DUCTS, AND/OR OTHER EQUIPMENT CORRESPONDING TO OTHER TRADES, INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING, AND FIRE PROTECTION. IF ANY OF THESE ELEMENTS PREVENT THE INSTALLATION OF RACEWAYS AS DELINEATED ON THE CONTRACT DOCUMENTS, DEVIATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ANY VARIATION DUE TO FIELD CONDITIONS SHALL NOT REPRESENT AN ADDITIONAL COST TO THE OWNER.

4. ALL CONDUIT RUNS SHALL BE NEATLY INSTALLED. WHERE MULTIPLE RUNS FROM THE SAME PANELBOARD ARE REQUIRED, THE CONDUITS SHALL BE PARALLEL WITH EACH OTHER, FASTENED TO COMMON SUPPORTS, AND SPACED & SECURED AT THE REQUIRED INTERVALS.

5. PROVIDE PULL BOXES EVERY 360° BENDS TO MATCH FIELD CONDITIONS AND NEC CODE REQUIREMENTS.

6. FIRE SEAL ALL CONDUIT WALL, CEILING, AND FLOOR PENETRATIONS.

7. PROVIDE EXPANSION JOINTS FOR ALL FEEDERS AND BRANCH CIRCUIT CROSSING ANY BUILDING EXPANSION JOINTS.

8. PROVIDE SEPARATE PULL BOXES, CABINETS, ENCLOSURES, JUNCTION BOXES, AND CABLE SUPPORT BOXES FOR THE NORMAL AND EMERGENCY FEEDERS.

9. EMERGENCY FEEDERS SHALL BE PROVIDED WITH ONE (1) HOUR FIRE PROTECTION WHEN RUNNING THROUGH NON-SPRINKLERED AREAS.

ELECTRICAL M / P / FP GENERAL NOTES:

1. SEE MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT LOCATIONS AND POWER REQUIREMENTS.

2. PROVIDE FIRE ALARM TIE-IN'S FOR ALL LIFE SAFETY EQUIPMENT. REFER TO HVAC DRAWINGS FOR SEQUENCE OF OPERATIONS.

3. PROVIDE LOCAL DISCONNECT SWITCHES FOR ALL HVAC & PLUMBING EQUIPMENT.

4. PRIOR TO PROVIDING POWER, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE HVAC, PLUMBING, AND FIRE PROTECTION CONTRACTORS ON ALL FINALIZED EQUIPMENT LOCATIONS.

5. ALL LOW VOLTAGE WIRING AND TRANSFORMERS SHALL BE SUPPLIED AND INSTALLED BY THE HVAC CONTROLS CONTRACTOR.

6. PROVIDE DEDICATED 120V, 20A CIRCUITS FOR BMS CONTROL PANELS.

7. REFER TO MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND SPECIFICATIONS FOR M / P / FP EQUIPMENT, SEQUENCE OF OPERATIONS, AND CONTROL REQUIREMENTS.

ELECTRICAL ELEVATOR GENERAL NOTES:

1. THE NEW ELEVATOR INSTALLATION SHALL COMPLY WITH THE LATEST APPLICABLE PROVISIONS AND REGULATIONS PER ASME A17.1, NFPA, NEW YORK STATE BUILDING CODE, NEW YORK STATE ELEVATOR CODE, AND WESTCHESTER FIRE DEPARTMENT.

2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONNECTIONS AND COORDINATION FOR THE NEW ELEVATOR AND INCLUDE THE FOLLOWING, BUT NOT LIMITED TO:

   A. PROVIDE A HEAVY-DUTY, LOCKABLE TYPE FUSED DISCONNECT SWITCH WITH A FEEDER EXTENDED, CONNECTED, AND TERMINATED AT THE ELEVATOR CONTROLLER AND MOTOR. COORDINATE FEEDER AND TERMINATION REQUIREMENTS WITH THE ELEVATOR VENDOR PRIOR TO ANY WORK. PROVIDE A MINIMUM OF ONE (1) NO. 6 AWG GROUND CONDUCTOR BONDING THE DRIVE ENCLOSURE CHASSIS, MOTOR FRAME, CONTROLLER ENCLOSURE, STRUCTURAL STEEL, AND OTHER CONNECTIONS AS APPLICABLE FOR THE ELEVATOR. FUSE SIZES SHALL BE AS PER ELEVATOR VENDOR'S REQUIREMENTS. ALL FUSES SHALL BE TIME DELAY CURRENT LIMITING TYPE, CLASS RK1 OR EQUIVALENT. LOCATION OF THE DISCONNECT SWITCHES SHALL BE AT THE ELEVATOR MACHINE ROOM ENTRY AND AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

   B. PROVIDE DEDICATED EMERGENCY POWER CIRCUITS FOR THE ELEVATOR CAR LIGHTS, OUTLETS, AND BLOWER FANS. ALL SUCH OUTLETS ARE TO BE SERVED BY THE EMERGENCY GENERATOR. PROVIDE SEPARATE CIRCUITS FED BY LOCKABLE CIRCUIT BREAKERS PER CAR. PROVIDE LOCKABLE DISCONNECTING MEANS IN THE ELEVATOR MACHINE ROOM FOR EACH CIRCUIT. THE DISCONNECTING MEANS SHALL BE LABELED TO IDENTIFY THE APPROPRIATE ELEVATOR NUMBER AND MARKED "CAR LIGHTS". ALL BRANCH CIRCUIT OVER-CURRENT PROTECTIVE DEVICES SHALL BE LOCATED IN THE MACHINE ROOM PER NEC ARTICLE 620.

   C. PROVIDE EMPTY 1" RACEWAYS FROM THE CONTROLLER TO THE NEAREST TENANT TELEPHONE / SECURITY BACKBOARD FOR TELEPHONE COMMUNICATIONS. CONTRACTOR SHALL CONFIRM ALL CONDUIT SIZES AND QUANTITIES WITH THE ELEVATOR MANUFACTURER PRIOR TO ANY WORK. PROVIDE LABELED PULL WIRE.

   D. PROVIDE TWO (2) 1' x 4' WEATHERPROOF LED LIGHT FIXTURES, SWITCH AND GFCI DUPLEX RECEPTACLE WITHIN THE ELEVATOR PIT. THE LIGHTS AND RECEPTACLES SHALL BE ON SEPARATE EMERGENCY CIRCUITS FED BY DEDICATED LOCKABLE BREAKERS. ALL DEVICES IN THE ELEVATOR PIT SHALL BE WEATHERPROOF. LIGHTING TO PROVIDE A MINIMUM OF 10 FC IN ENTIRE PIT. PROVIDE ADDITIONAL FIXTURES TO MAINTAIN 10 FC UNIFORM ACROSS THE ENTIRE PIT. LOCATE SWITCH ADJACENT TO THE PIT DOOR OR SERVICE LADDER. LIGHT FIXTURES SHALL BE EQUIPPED WITH A PROTECTIVE WIRE GUARD.

   E. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A RELAY WITH ASSOCIATED WIRING AND CONDUIT TO PREVENT THE NORMAL SEQUENCED ELEVATOR LOWERING DURING POWER FAILURE IN OCCASIONS WHEN THE ELEVATOR IS MANUALLY DE-ENERGIZED.

   F. PROVIDE EMPTY 2" RACEWAYS FROM THE ELEVATOR PIT TO THE TENANT FIRE ALARM CONTROL PANEL. SIZE AND QUANTITY OF RACEWAYS SHALL BE PER ELEVATOR VENDOR'S REQUIREMENTS. CONTRACTOR SHALL CONFIRM ALL CONDUIT SIZES AND QUANTITIES WITH THE ELEVATOR MANUFACTURER PRIOR TO ANY WORK. PROVIDE LABELED PULL WIRE.

   G. PROVIDE EMPTY 2" RACEWAYS FROM EACH ELEVATOR PIT TO EACH REMOTE ELEVATOR STATUS PANEL. SIZE AND QUANTITY OF RACEWAYS SHALL BE PER ELEVATOR VENDOR'S REQUIREMENTS. CONTRACTOR SHALL CONFIRM ALL CONDUIT SIZES AND QUANTITIES WITH THE ELEVATOR MANUFACTURER PRIOR TO ANY WORK. PROVIDE LABELED PULL WIRE.

   H. PROVIDE A FIRE ALARM SPEAKER WITHIN THE ELEVATOR CAB AND APPROPRIATE CONNECTIONS AT THE ELEVATOR MACHINE ROOM AND THE TENANT'S FIRE ALARM SYSTEM.

   I. PROVIDE A FIREFIGHTER'S TELEPHONE WITHIN THE ELEVATOR CAB AND APPROPRIATE CONNECTIONS AT THE ELEVATOR MACHINE ROOM AND THE TENANT'S FIRE ALARM SYSTEM.

   J. PROVIDE MULTIPLE SIGNALS FROM THE AUTOMATIC TRANSFER SWITCH TO THE ELEVATOR MACHINE ROOM SERVED BY THAT TRANSFER SWITCH.

   K. WEATHERPROOF FIXED TEMPERATURE HEAT DETECTORS (135°) SHALL BE INSTALLED IN THE ELEVATOR MACHINE ROOM, HOISTWAY, AND PIT. PROVIDE SUCH HEAT DETECTORS WITHIN 18" OF EACH SPRINKLER HEAD IN EACH ELEVATOR MACHINE ROOM. UPON ACTIVATION OF ANY DETECTOR, ELECTRIC SERVICE TO THE CONTROLLER SHALL BE DE-ENERGIZED VIA AN ASSOCIATED SHUNT TRIP CIRCUIT BREAKER. THE SHUNT TRIP CIRCUIT BREAKER SHALL BE MANUAL RESET TYPE.

   L. PROVIDE ELEVATOR RECALL SMOKE DETECTORS IN EACH ELEVATOR LOBBY, TOP OF THE SHAFT, AND THE ELEVATOR MACHINE ROOM.

   M. PROVIDE 20A GFCI CIRCUIT BREAKER FOR EACH PIT SUMP PUMP.

   N. PROVIDE 20A CIRCUIT FOR SECURITY EQUIPMENT IN THE ELEVATOR MACHINE ROOM. TERMINATE AS DIRECTED BY THE ELEVATOR VENDOR.

   O. PROVIDE GFCI 20A DUPLEX RECEPTACLE AND A LIGHT SWITCH LOCATED WITHIN 18" OF THE MACHINE ROOM DOOR STRIKE. PROVIDE 1' x 4' INDUSTRIAL TYPE LED LIGHT FIXTURE WITH PROTECTIVE WIRE GUARDS. THE LIGHTING SHALL PROVIDE A MINIMUM OF 20 FC ACROSS THE ENTIRE ROOM. PROVIDE ADDITIONAL LIGHTING FIXTURES TO ACHIEVE 20 FC. THE LIGHTING SHALL NOT BE CIRCUITED TO THE LOAD SIDE TERMINALS OF THE GFCI RECEPTACLE. PROVIDE LOCKABLE CIRCUIT BREAKERS.

   P. THE TOP OF SHAFT VENT SHALL BE NORMALLY CLOSED. PROVIDE A SMOKE DETECTOR TO ACTIVATE A MOTORIZED DAMPER TO OPEN WHEN THE TEMPERATURE REACHES 95°. INTERLOCK WITH THE FIRE ALARM SYSTEM. PROVIDE ALL REQUIRED WIRING, CONDUIT, AND FIRE ALARM MODULES.

   Q. PROVIDE 20A CIRCUIT AND CONNECT TO THE OIL COOLER.

   R. INTERLOCK FEEDER WITH THE BATTERY LOWERING PACK, VIA DRY CONTACTS.

   S. PROVIDE 20A CIRCUIT FOR THE TOP OF UNIT GFCI 20A RECEPTACLE, LIGHT FIXTURE AND RESPECTIVE SWITCH.

3. DO NOT LOCATE ANY EQUIPMENT, CONDUITS, COMPONENTS IN THE ELEVATOR MACHINE ROOM WHICH DO NOT SERVE THE ELEVATOR.

LOW VOLTAGE GENERAL NOTES:

1. THE LOW VOLTAGE DRAWINGS ARE PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF DRAWINGS LISTED BY THE "INDEX OF DRAWINGS." DISCIPLINES ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED.

2. COMMUNICATIONS RACEWAYS, TRAYS, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. LOCATIONS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. REFER TO THE ARCHITECTURAL PLANS AND OBTAIN THE APPROVAL OF THE ARCHITECT FOR ACTUAL LOCATIONS AN ELEVATIONS OF ALL DEVICES.

3. CONTRACTOR SHALL ENSURE THAT ALL MOUNTING HEIGHTS COMPLY WITH CURRENT ADA REQUIREMENTS.

4. ABOVE COUNTER DEVICES SHALL BE MOUNTED 8" ABOVE COUNTER OR A MAXIMUM OF 44" AFF (TO TOP OF DEVICE)

5. CONSTRUCTION DETAILS SHOW TYPICAL INSTALLATION, UON. AND APPLY TO ALL COMMUNICATIONS WORK INCLUDED IN THE SUMMARY OF WORK FOR THIS PACAKAGE EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE PLAN DRAWINGS.

6. INSTALL PULL STRINGS IN ALL CONDUITS AT THE TIME OF CONDUIT AND CABLE INSTALLATION.

7. PROVIDE SUPPORTS AND ANCHORING FOR PIPING, CONDUIT, DUCTS, EQUIPMENT AND OTHER NON-STRUCTURAL ELEMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

8. PROVIDE SOUND PUTTY PADS IN ALL BACKBOXES PROVIDED.

9. FIRESTOPPING: ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS AN CONDUIT/SLEEVE OPENINGS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES, HOT GASSES AN SMOKE WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR ALL APPLICABLE CODES.

10. ALL COMMUNICATIONS CONDUIT, CABLE TRAYS, LADDER RACKS AND EQUIPMENT RACKS SHALL BE BONDED TO BUILDING GROUND SYSTEM PER NEC 250 AND ANSI/TIA-607-B.

11. LABEL ALL CLOSETS, RACKS, FRAMES, CABINETS, TERMINATION BLOCKS, CABLES, TERMINATIONS, RACEWAYS, ETC. IN ACCORDANCE WITH ANSI/TIA-606-B.

12. ALL COMMUNICATIONS RACEWAYS AND PATHWAYS SHALL BE INSTALLED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH LIMITATIONS FOR HORIZONTAL CABLE DISTRIBUTION (I.E. CAT6). BASIC LINK CABLE LENGTHS SHALL NOT EXCEED 295-FEET (90M) FOR UTP CABLE, 200-FEET (60M) FOR SERIES-6 COAXIAL CABLES.

13. ALL COMMUNICATIONS CABLE SHALL BE PLENUM RATED (CMP), RISER RATED (CMR) AND UNDERGROUND RATED (WATERBLOCK) ACCORDING TO USE AND ENVIRONMENTAL CONDITIONS.

14. PROVIDE PROTECTIVE BUSHINGS ON ALL COMMUNICATION CONDUITS AND WHERE CABLING ROUTES THROUGH METAL STUDS.

15. ALL NON-ARMORED FIBER OPTIC CABLE SHALL BE INSTALLED IN APPROVED INNERDUCT.

16. ALWAYS INSTALL LOW-VOLTAGE CABLES IN CONDUITS, CABLE TRAYS, WIREWAYS OR OTHER APPROVED CABLE MANAGEMENT DEVICES OR SYSTEMS. NEVER INSTALL CABLES IN SUCH A MANNER THAT THEY ARE SUPPORTED BY CEILING SYSTEMS (CEILING TILES OR GRID, GYPSUM BOARD, LATH & PLASTER), HVAC DUCTS OR PIPES, LIGHTING FIXTURES, ELECTRICAL CONDUITS OR CABLES, PLUMBING/FIRE PROTECTION PIPES, OR ANY OTHER DEVICES NOT INTENDED FOR THE SUPPORT OF LOW-VOLTAGE CABLING.

17. PROVIDE WEATHERPROOF, IN-USE COVER FOR EXTERIOR RATED DEVICES.

18. ALL CABLE TRAY MOUNTING HEIGHTS INDICATED ON FLOOR PLANS ARE TO THE BOTTOM OF THE CABLE TRAY SUPPORTS.

19. SEISMIC BRACING FOR ALL CABLE TRAYS SHALL BE PROVIDED AS REQUIRED BY CODE, LOCAL GOVERNING JURISDICTION AND CABLE TRAY MANUFACTURER SPECIFICATIONS.

20. ALL CABLE TRAY ROUTING THROUGH ELECTRICAL ROOMS SHALL BE FULLY ENCLOSED. REFER TO CABLE TRAY DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

21. REUSABLE VELCRO TIES SHALL BE USED TO BUNDLE OR MANAGE CABLES. PLASTIC ZIP TIES ARE NOT APPROVED FOR USE.

22. SIZE AND ORIENTATION OF ALL TELECOM PULL-BOXES SHALL MEET OR EXCEED THE BICSI TDMM REQUIREMENTS.

23. ALL LOW-VOLTAGE CONDUIT LARGER THAN 2" SHALL HAVE A MINIMUM BEND RADIUS OF 10:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS, ALL LOW-VOLTAGE CONDUIT 2" AND SMALLER SHALL HAVE A MINIMUM BEND RADIUS OF 6:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS.

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	08/08/2025	90% CD
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	04/03/2026	100% Documents

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RECORD DRAWING CERTIFICATION
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL GENERAL NOTES

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-002

SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-488-0
REV NO.: 0

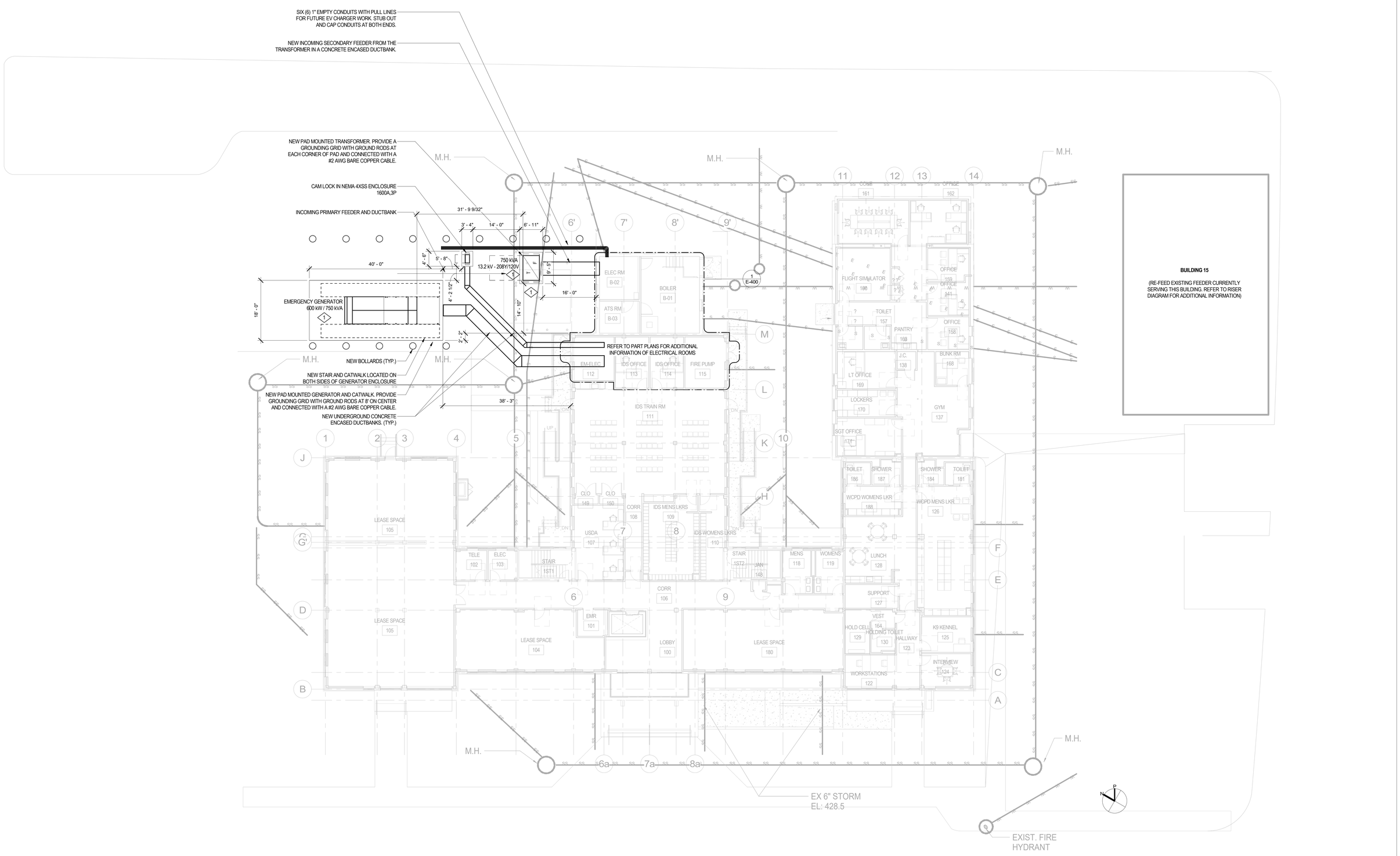
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ELECTRICAL POWER GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.

ELECTRICAL POWER DIAMOND NOTES:

1. THE GENERATOR, CAM LOCK AND PAD MOUNTED TRANSFORMER SHALL BE LOCATED ON NEW DEDICATED CONCRETE PADS. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



1 LEVEL 01
3/32" = 1'-0"

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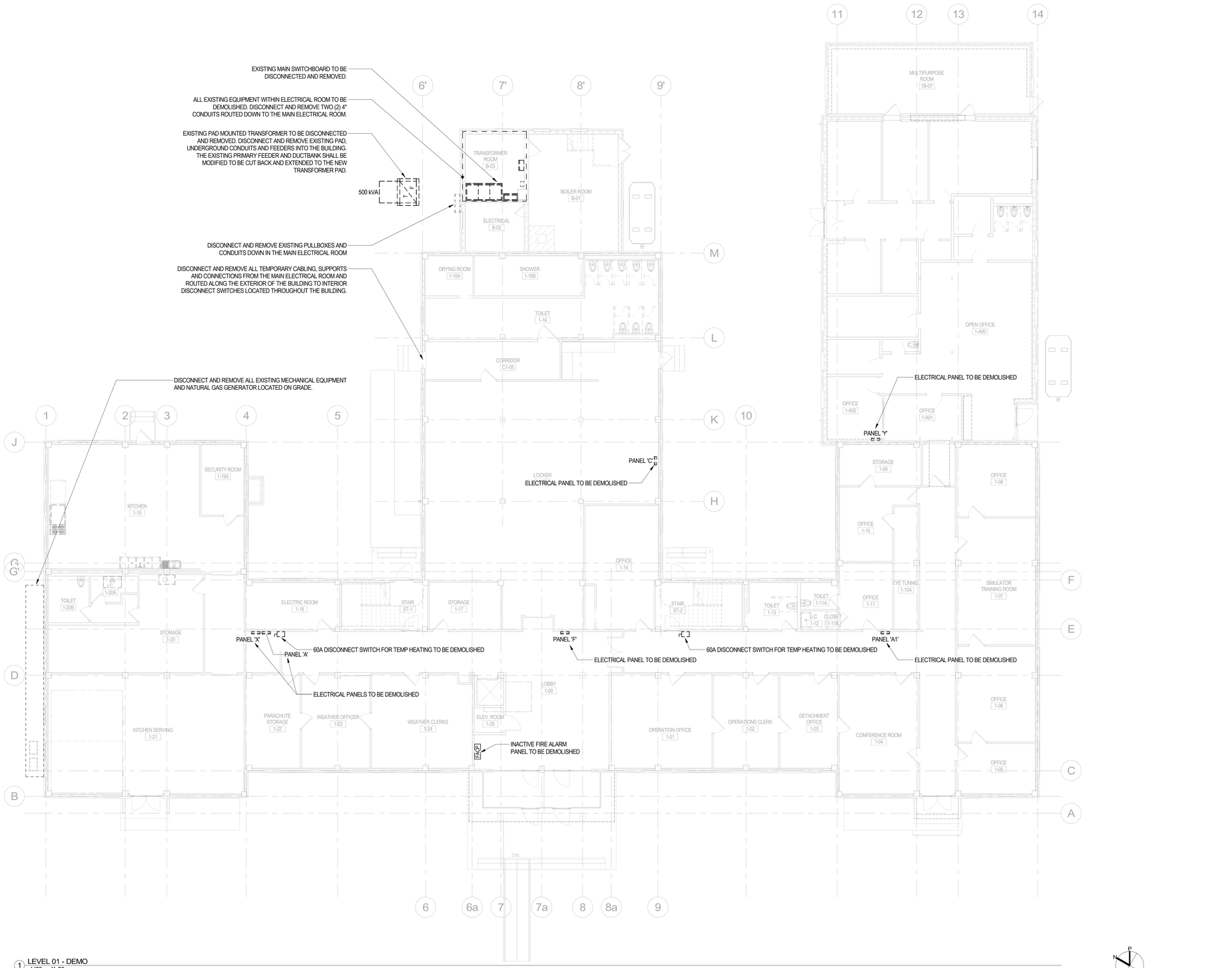
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ELECTRICAL SITE PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER E-050
SHEET 116 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-489-0
REV NO. 0

ELECTRICAL DEMOLITION GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL DEMOLITION NOTES.



1 LEVEL 01 - DEMO
1/8" = 1'-0"

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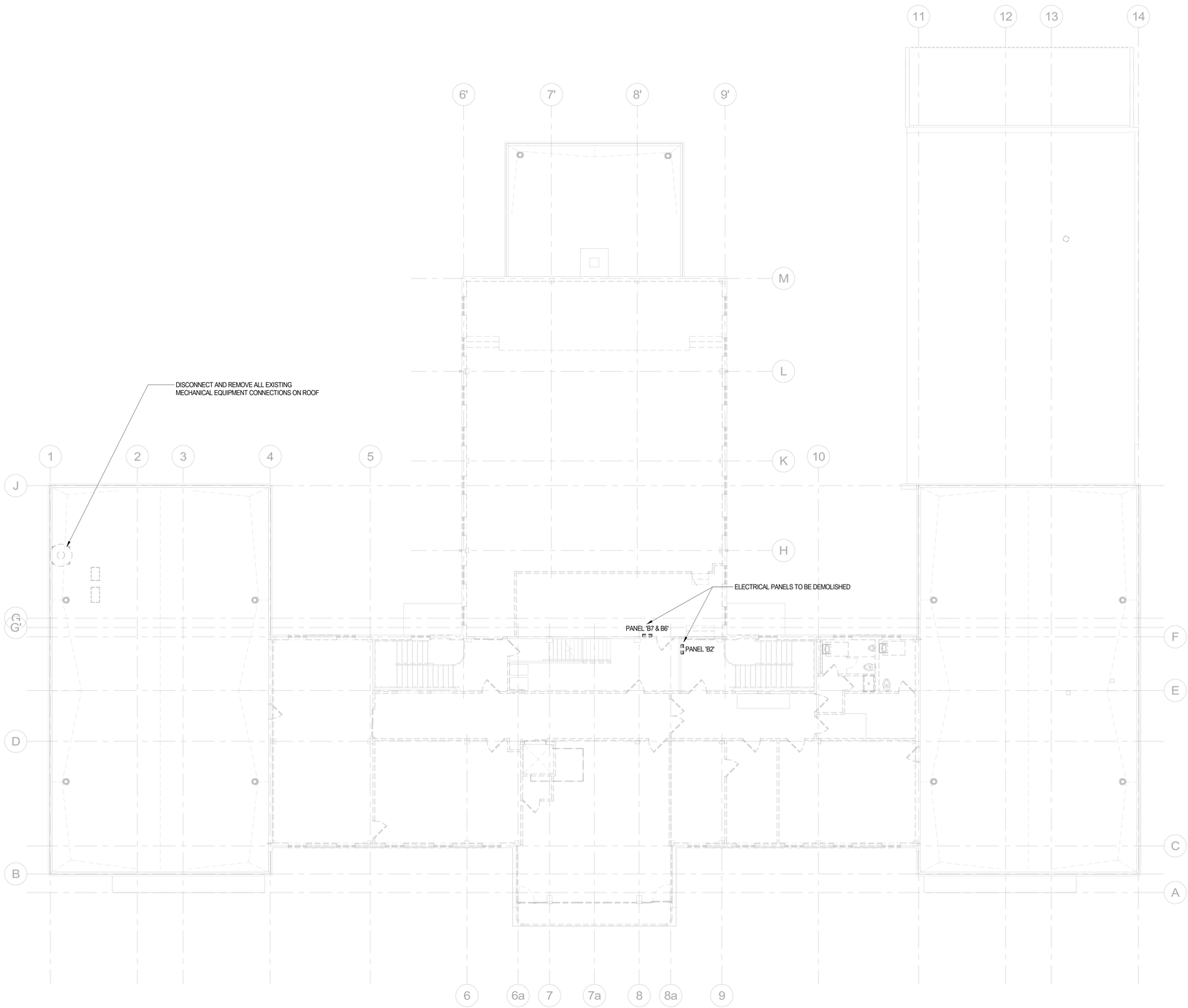
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ELECTRICAL 1ST FLOOR DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-100
SHEET 117 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-490-0
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ELECTRICAL DEMOLITION GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL DEMOLITION NOTES.



1 LEVEL 02 - DEMO
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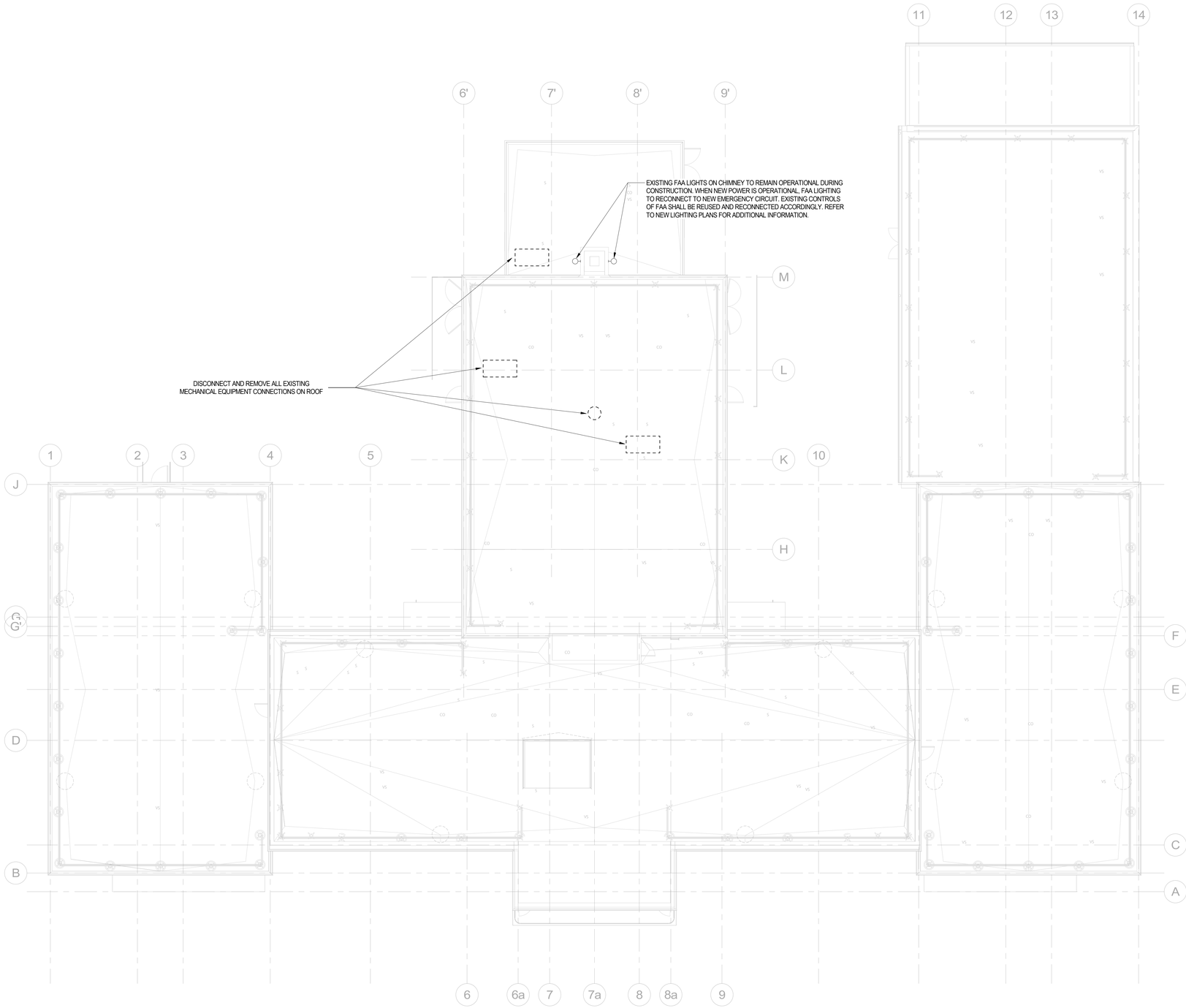
ELECTRICAL 2ND FLOOR DEMOLITION PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER E-101
SHEET 118 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-491-0
REV NO. 0

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ELECTRICAL DEMOLITION GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL DEMOLITION NOTES.



1 ROOF - DEMO
1/8" = 1'-0"

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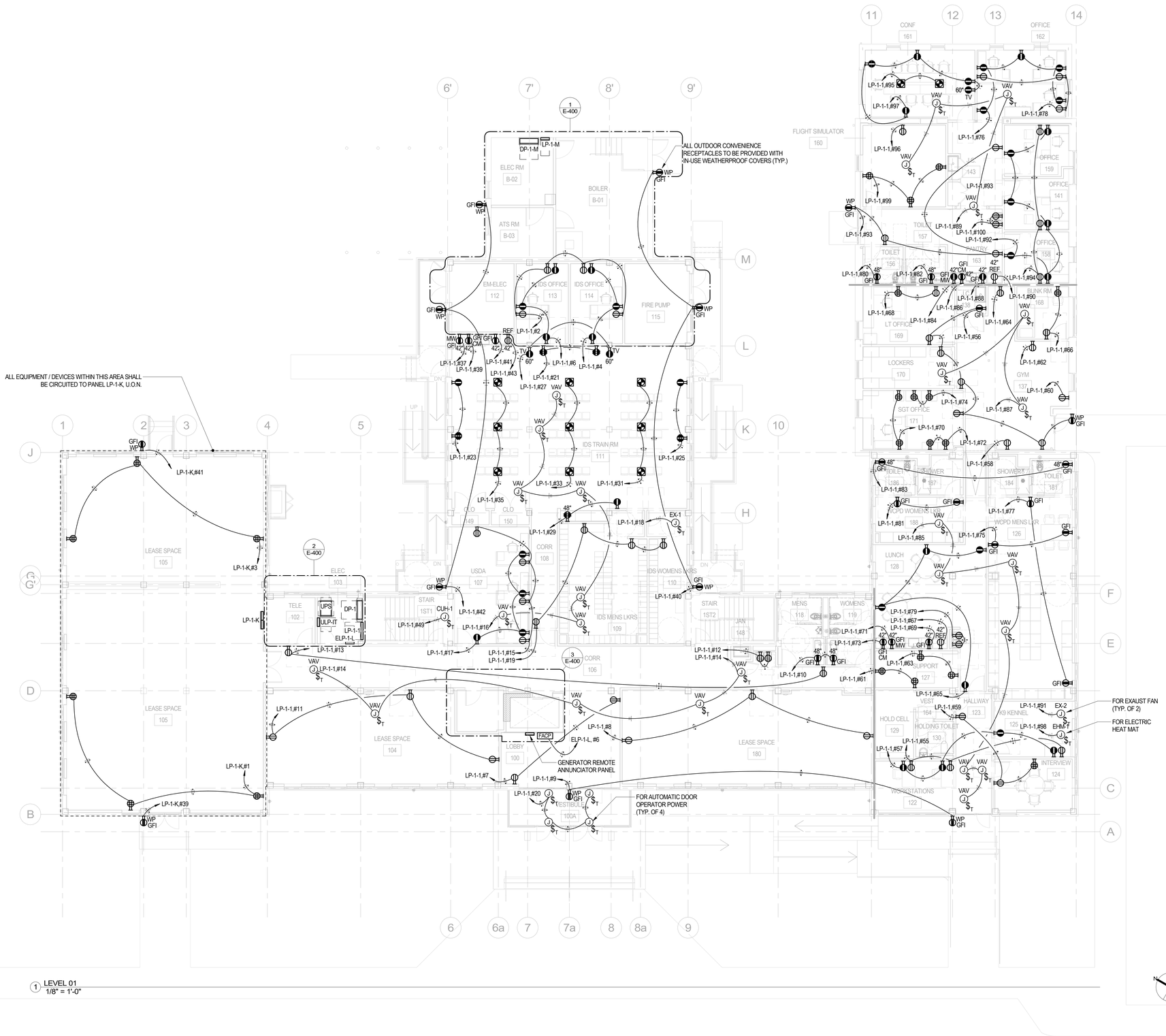
ELECTRICAL ROOF DEMOLITION PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-102
SHEET 119 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-492-0
REV NO.: 0

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ELECTRICAL POWER GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. ALL EQUIPMENT / DEVICES WITHIN THIS PLAN SHALL BE CIRCUITED TO LP-1-1, U.O.N.
3. UNLESS OTHERWISE INDICATED ON PLAN, REFER TO E-700, DETAIL 1 FOR ALL STANDARD WALL MOUNTED RECEPTACLE MOUNTING HEIGHTS. COORDINATE TO ARCHITECTURAL FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL POWER DEVICES.



1 LEVEL 01
1/8" = 1'-0"

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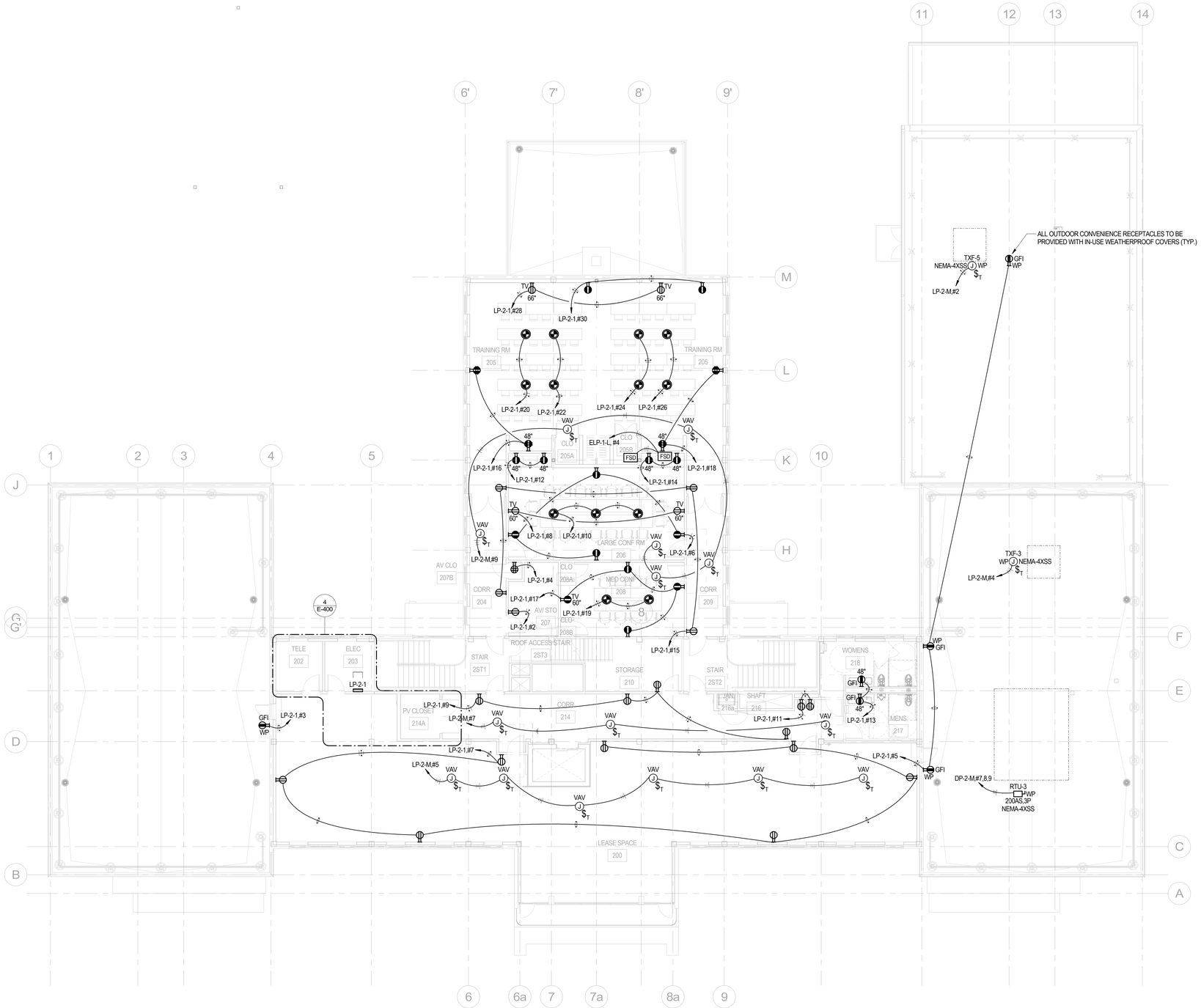
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ELECTRICAL 1ST FLOOR POWER PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER E-200
SHEET 120 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-493-0
REV NO. 0

ELECTRICAL POWER GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. ALL EQUIPMENT / DEVICES WITHIN THIS PLAN SHALL BE CIRCUITED TO PANEL LP-2-1, U.O.N.
3. UNLESS OTHERWISE INDICATED ON PLAN, REFER TO E-700, DETAIL 1 FOR ALL STANDARD WALL MOUNTED RECEPTACLE MOUNTING HEIGHTS. COORDINATE TO ARCHITECTURAL FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL POWER DEVICES.
4. PROVIDE RUBBER ROOFTOP CONDUIT SUPPORTS, SIMILAR TO COOPER B-LINE DURA-BLOK SUPPORTS. TYPICAL FOR ALL ROOFTOP CONDUITS. FOR ALL OTHER EXTERIOR ROOF APPLICATIONS, UTILIZE B-LINE C-PORT SERIES (OR APPROVED EQUAL) SUPPORTING DEVICES SO AS TO NOT DAMAGE THE ROOF SYSTEM.
5. ELECTRICAL CONTRACTOR TO PROVIDE UNISTRUT AS REQUIRED TO PROPERLY MOUNT ELECTRICAL EQUIPMENT.
6. ROOF PENETRATIONS SHALL BE SEALED AND WATERPROOF.
7. UTLIZE RIGID GALVANIZED STEEL CONDUIT FOR ROOFTOP CONDUITS.
8. ALL DISCONNECT SWITCHES LOCATED OUTDOORS SHALL BE LOCKABLE AND IN NEMA 4XSS ENCLOSURES.



1 LEVEL 02
1/8" = 1'-0"

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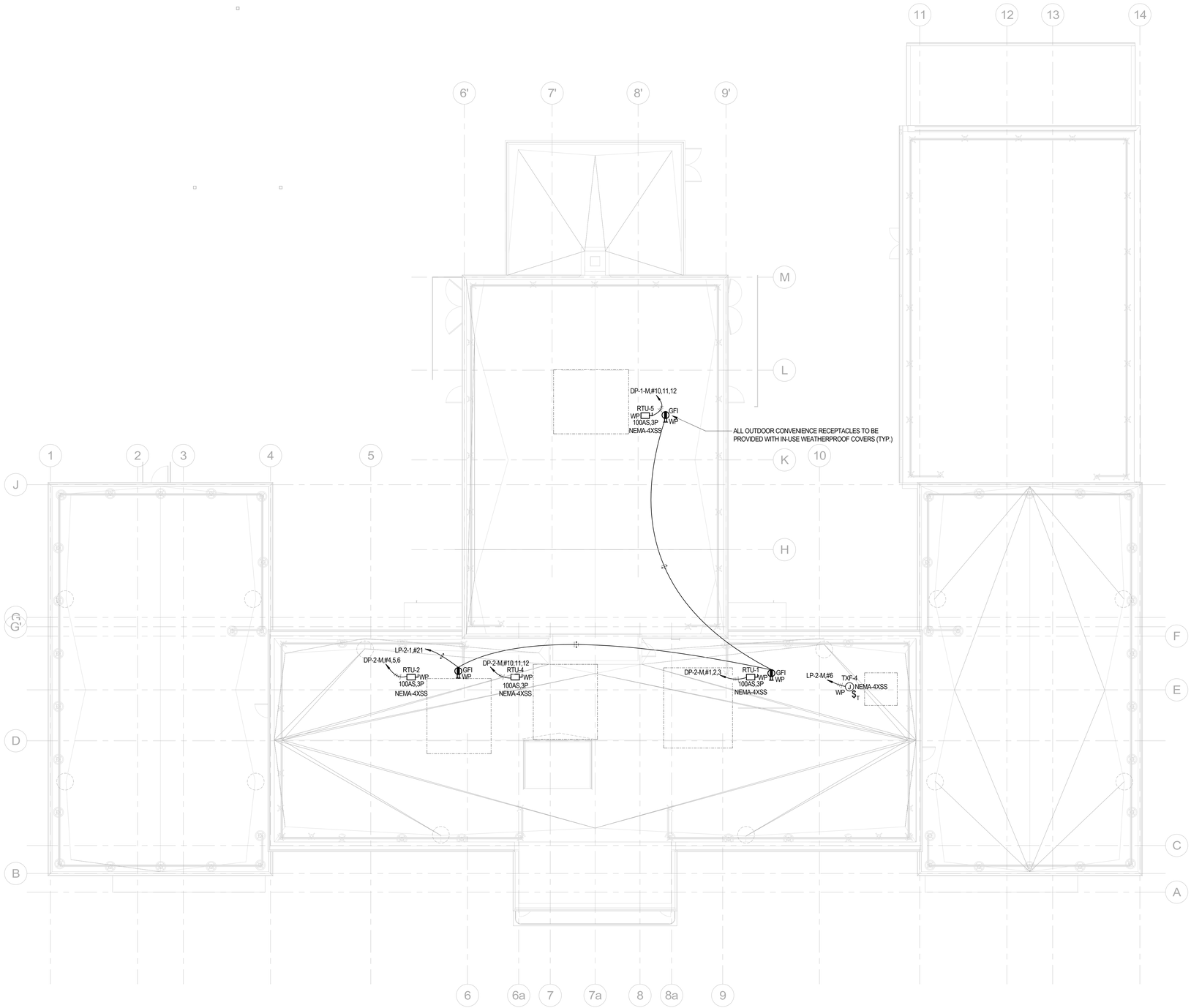
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ELECTRICAL 2ND FLOOR POWER PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-201
SHEET 121 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-494-0
REV NO.: 0



1 ROOF
1/8" = 1'-0"

ELECTRICAL POWER GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. PROVIDE RUBBER ROOFTOP CONDUIT SUPPORTS, SIMILAR TO COOPER B-LINE DURA-BLOK SUPPORTS. TYPICAL FOR ALL ROOFTOP CONDUITS. FOR ALL OTHER EXTERIOR ROOF APPLICATIONS, UTILIZE B-LINE C-PORT SERIES (OR APPROVED EQUAL) SUPPORTING DEVICES SO AS TO NOT DAMAGE THE ROOF SYSTEM.
3. ELECTRICAL CONTRACTOR TO PROVIDE UNISTRUT AS REQUIRED TO PROPERLY MOUNT ELECTRICAL EQUIPMENT.
4. ROOF PENETRATIONS SHALL BE SEALED AND WATERPROOF.
5. ALL DISCONNECT SWITCHES SHALL BE SEALED, GASKETED AND SIZED ACCORDING TO NEC STANDARDS / REQUIREMENTS.
6. UTLIZE RIGID GALVANIZED STEEL CONDUIT FOR ROOFTOP CONDUITS.
7. ALL DISCONNECT SWITCHES LOCATED OUTDOORS SHALL BE LOCKABLE AND IN NEMA 4XSS ENCLOSURES.

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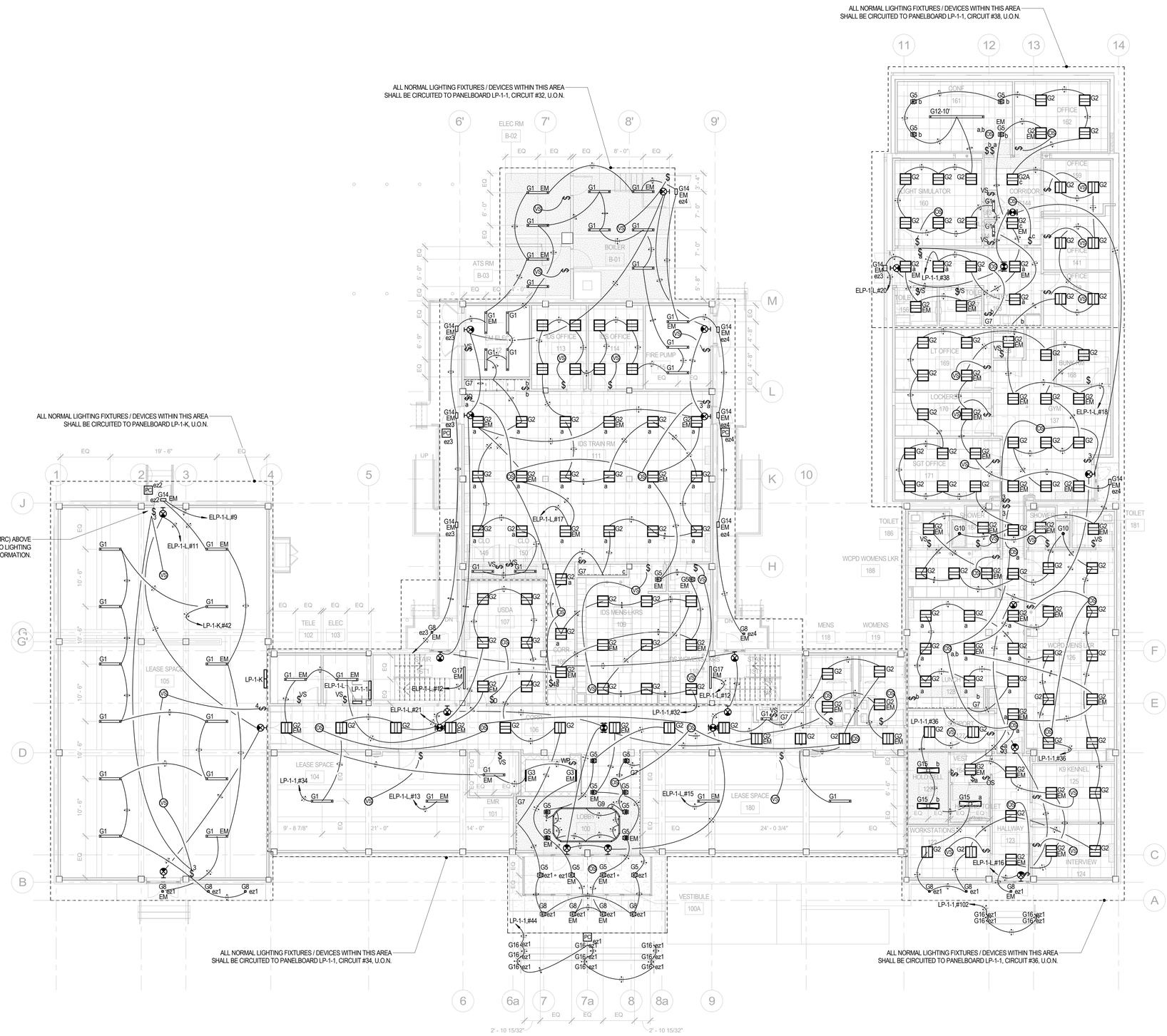
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ELECTRICAL ROOF POWER PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-202
SHEET 122 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-495-0
REV NO.: 0



2 LEVEL 01
1/8" = 1'-0"

ELECTRICAL LIGHTING GENERAL NOTES:

1. REFER TO SHEET E-002 FOR ADDITIONAL GENERAL NOTES.
2. INSTALL LUMINAIRES IN MECHANICAL / ELECTRICAL EQUIPMENT ROOMS AFTER THE CONDUITS, DUCTWORK, AND PIPING INSTALLATION. LOCATE AND MOUNT LUMINAIRES AS INDICATED ON THE CONTRACT DRAWINGS UNLESS MECHANICAL / ELECTRICAL EQUIPMENT PROHIBITS OR MAKES IT IMPRACTICAL TO DO SO. IN SUCH CASES, CHAIN, OR WALL MOUNT LUMINAIRES SO THAT SERVICEABLE EQUIPMENT IS ILLUMINATED.
3. REFER TO E-600.00 FOR LIGHTING FIXTURE SCHEDULE.
4. ALL STAIR LIGHTING SHALL BE OPERATIONAL 24/7. LIGHTING FIXTURES TO BE PROVIDED WITH INTEGRAL OCCUPANCY SENSORS. OCCUPANCY SENSORS SHALL DIM LIGHTS DOWN TO 25% WHEN UNOCCUPIED.
5. ALL EXIT SIGNS SHALL REMAIN UNSWITCHED AND OPERATIONAL 24/7.
6. COORDINATE WITH OWNER ON TIME-CLOCK SCHEDULE PRIOR TO PROGRAMMING OF LIGHTING CONTROL SYSTEM FOR ALL CENTRAL SPACES, LOBBY AND EXTERIOR LIGHTING. SCHEDULE SHALL BE PRE-ADJUSTED BY THE INSTALLING CONTRACTOR TO A TYPICAL OPERATION SCHEDULE OF 7:30 A.M. TO 9:00 P.M.

   CENTRAL SPACES / LOBBY ARE THE FOLLOWING:

   100 - LOBBY
   100A - VESTIBULE
   106 - CORRIDOR

   OCCUPANCY SENSORS SHALL DIM LIGHTS DOWN TO 50% WHEN UNOCCUPIED DURING NORMAL OPERATING HOURS. ALL EXTERIOR LIGHTING FIXTURES SHALL BE CONTROLLED VIA MULTIPLE PHOTOCELLS LOCATED AT THE TOP OF THE BUILDING ROOF (ONE PHOTOCELL FACING EACH CARDINAL DIRECTION).
7. REFER TO SHEET E-703 THROUGH E-705 FOR LIGHTING CONTROLS DETAILS AND WIRING DIAGRAMS.

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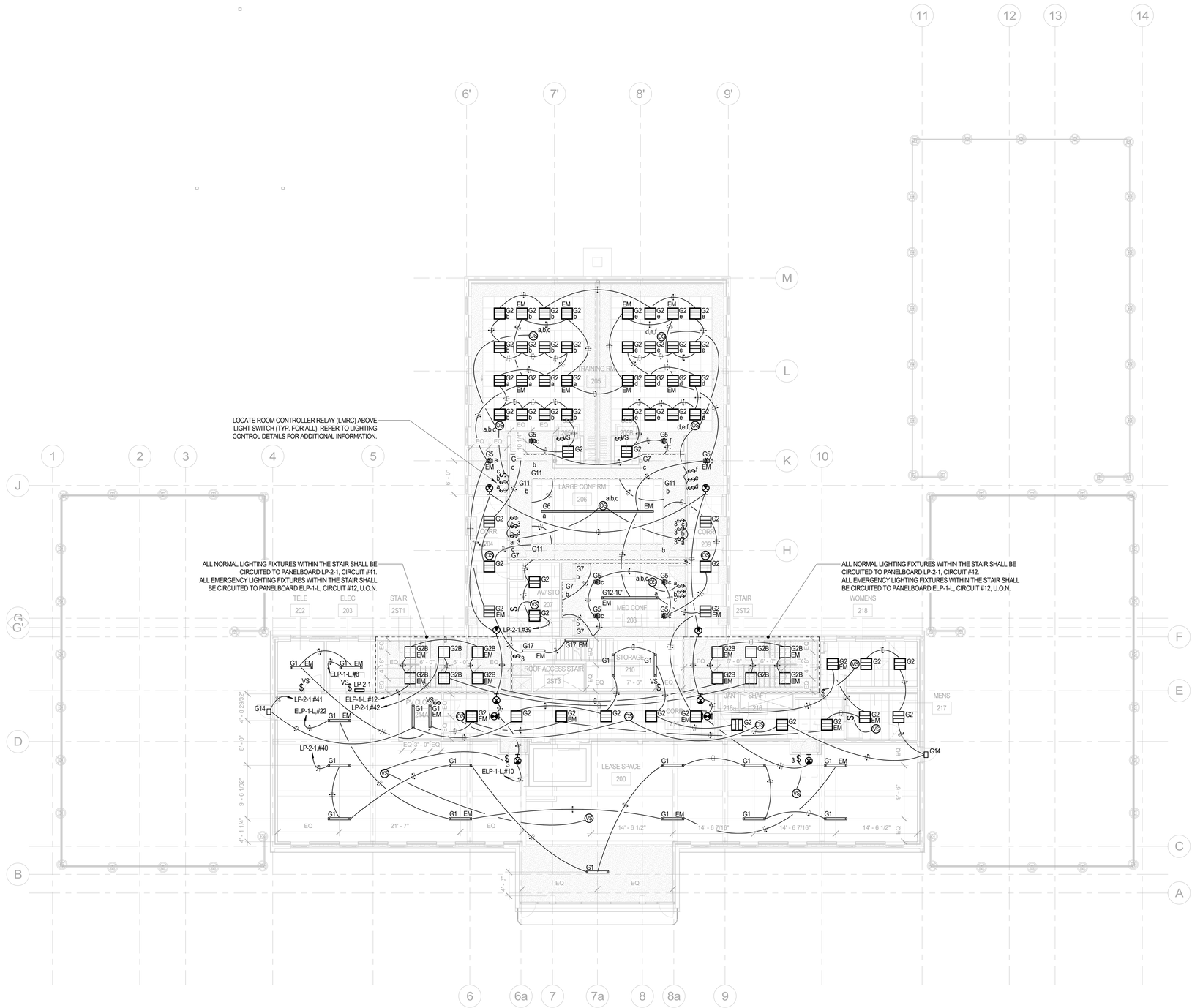
ELECTRICAL 1ST FLOOR LIGHTING PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER E-300
SHEET 123 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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ELECTRICAL LIGHTING GENERAL NOTES:

1. REFER TO SHEET E-002 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET E-300, NOTE #2.
3. REFER TO SHEET E-300, NOTE #3.
4. REFER TO SHEET E-300, NOTE #4.
5. REFER TO SHEET E-300, NOTE #5.
6. REFER TO SHEET E-300.00, NOTE #6 FOR CENTRALLY CONTROLLED SPACES.



2 LEVEL 02
1/8" = 1'-0"

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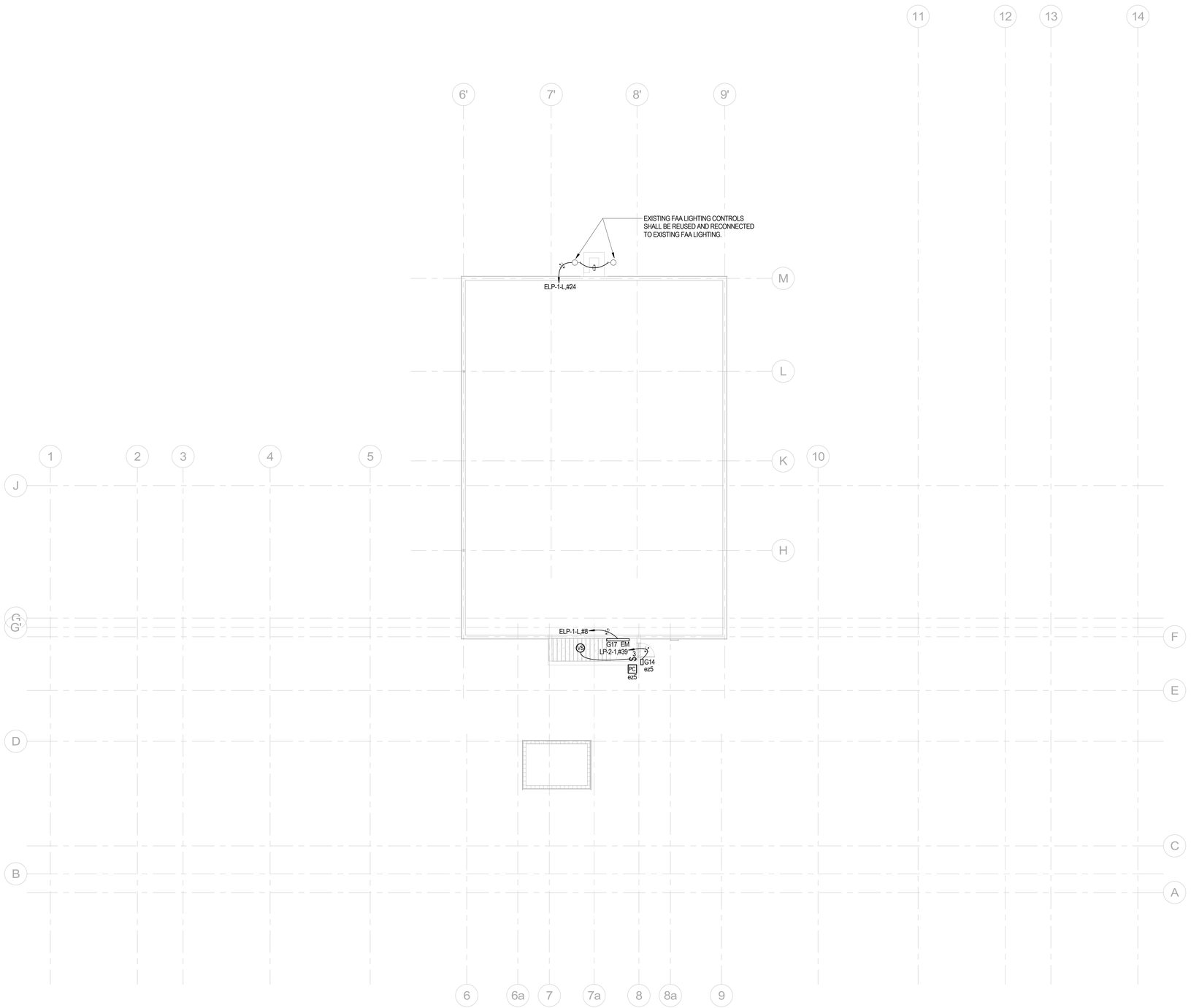
ELECTRICAL 2ND FLOOR LIGHTING PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER E-301
SHEET 124 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-497-0
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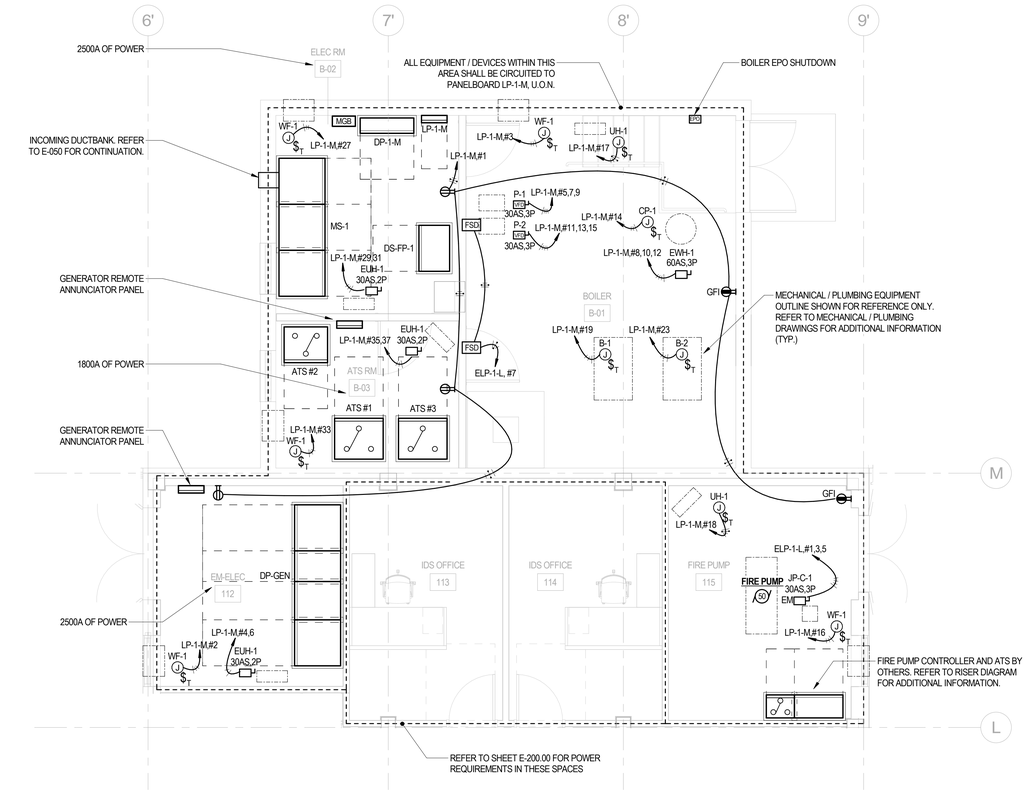
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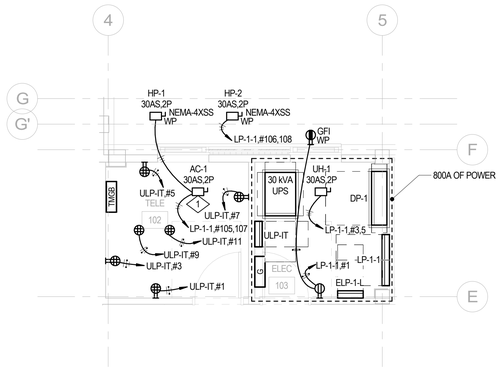
ELECTRICAL ROOF LIGHTING PLAN

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-302
SHEET 125 of 162
SCALE: AS SHOWN
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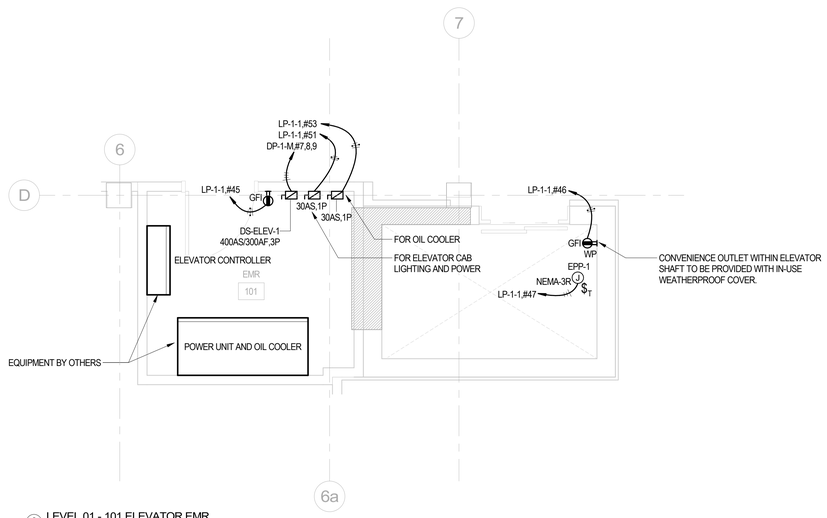
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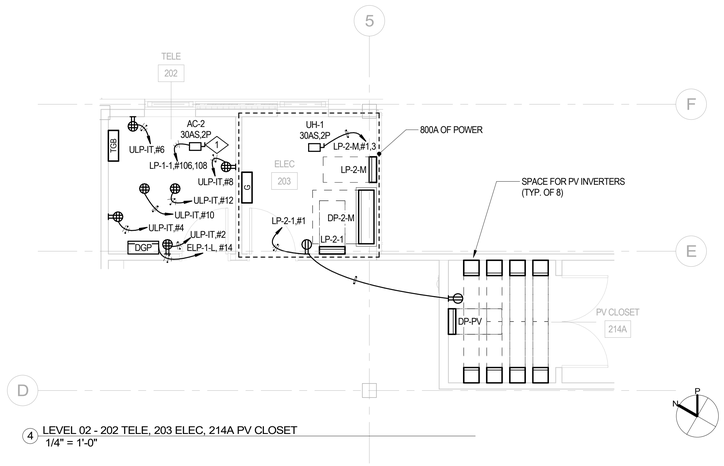
1 LEVEL 01 - 112 EM ELEC, 115 FIRE PUMP, B-01 ELEC, B-02 BOILER
1/4" = 1'-0"



2 LEVEL 01 - 102 TELE, 103 ELEC
1/4" = 1'-0"



3 LEVEL 01 - 101 ELEVATOR EMR
3/8" = 1'-0"



4 LEVEL 02 - 202 TELE, 203 ELEC, 214A PV CLOSET
1/4" = 1'-0"

ELECTRICAL PART PLAN GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET E-002.00 FOR ADDITIONAL M / P / FP GENERAL NOTES.
3. COORDINATE PLYWOOD BACKING, GROUND BUS BAR REQUIREMENTS, RECEPTACLE TYPES AND LOCATIONS, RACK SYSTEMS, IT EQUIPMENT, ETC. WITH TELECOM ROOMS. ROOM EQUIPMENT LAYOUTS MUST BE APPROVED PRIOR TO ANY WORK STARTING TO ENSURE ALL REQUIRED CLEARANCES FOR PANELS AND RACKS ARE MET.
4. ALL FLOOR MOUNTED EQUIPMENT SHALL BE PROVIDED WITH 4" HIGH CONCRETE HOUSEKEEPING PAD. REFER TO DETAIL SHEET
5. UNLESS OTHERWISE INDICATED ON PLAN, REFER TO E-700, DETAIL 1 FOR ALL STANDARD WALL MOUNTED RECEPTACLE MOUNTING HEIGHTS. COORDINATE WITH ARCHITECTUAL FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL POWER DEVICES.
6. ALL ELECTRICAL ROOM FLOORS AND WALLS SHALL BE EPOXY PAINTED. REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION.

ELECTRICAL PART PLAN DIAMOND NOTES:

1. EVAPORATOR UNIT TO BE ENERGIZED FROM ASSOCIATED CONDENSER UNIT. PROVIDE ONE (1) 3/4" CONDUIT FROM CONDENSER UNIT LOCATED OUTDOORS TO EVAPORATOR UNIT INDOORS.

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CONTRACTOR
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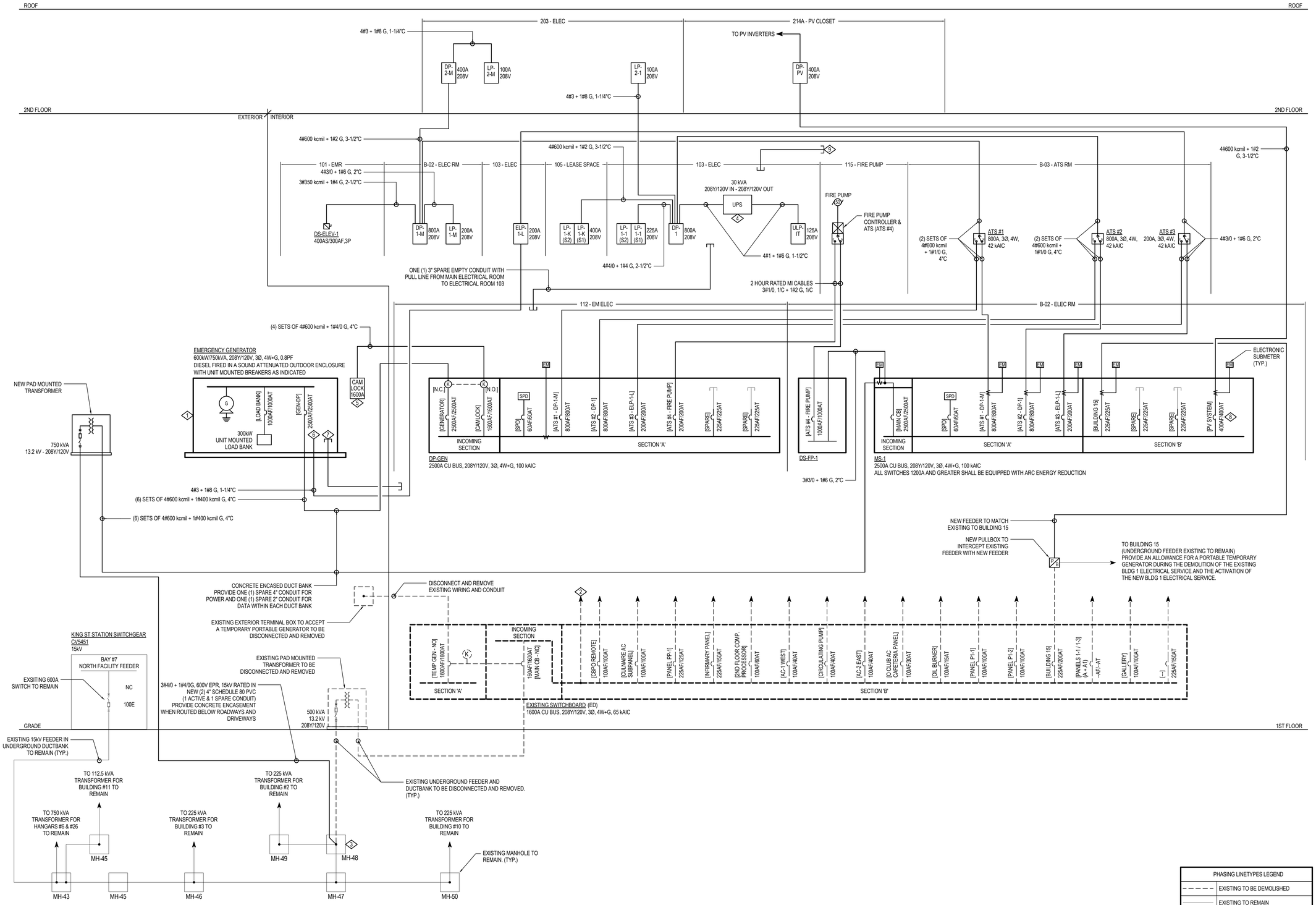
PROJECT COORDINATOR
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TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL PART PLANS

CONTRACT NUMBER 25-532
SHEET NUMBER E-400
SHEET 126 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-499-0
REV NO. 0



ELECTRICAL RISER DIAGRAM NOTES:

1. REFER TO PHASING LINETYPE LEGEND FOR ALL EQUIPMENT / DEVICE PHASING.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WORK AND SCOPE REQUIRED FOR THE COMPLETE AND OPERATIONAL INSTALLATION OF THE ELECTRICAL WORK AS INDICATED ON THE CONTRACT DOCUMENTS.
3. THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK WITH NO INTERFERENCES TO THE FUNCTIONAL SURROUNDING SPACES. SHOULD SUCH WORK REQUIRE SHUTDOWNS OR RELOCATIONS, THEY SHALL BE INCLUDED AND PERFORMED UPON WRITTEN COORDINATION WITH THE BUILDING MANAGEMENT. ANY RELOCATIONS SHALL BE FULLY RESTORED AND MADE OPERATIONAL UPON COMPLETION OF ALL WORK.
4. ALL EQUIPMENT BUSSING AND ALL CONDUCTORS SHALL BE COPPER WHICH SHALL MEET NEMA AND UL STANDARDS FOR TEMPERATURE RISE. PROVIDE NEUTRAL BAR AND GROUND BAR.
5. PROVIDE ALL AS-BUILT TYPEWRITTEN PANELBOARD DIRECTORIES FOR ALL PANELS.
6. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A MINIMUM OF 4" HIGH CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. PADS SHALL CONFORM TO THE FINAL APPROVED EQUIPMENT SUBMITTALS.
7. MAINTAIN ALL REQUIRED CODE CLEARANCES FOR ALL EQUIPMENT INCLUDING ALL PULLBOXES, PANELBOARDS, TRANSFORMERS, ETC.
8. PROVIDE NEW ELECTRONIC SUB-METERS AS INDICATED ON THE RISER DIAGRAM. PROVIDE NEW 30AS / 15AF DISCONNECT SWITCH FOR THE METER POWER SOURCE AND TAP WITH #10 AWG CONDUCTORS.
9. ALL CONDUIT RUNS SHALL BE NEATLY INSTALLED. WHERE MULTIPLE RUNS FROM THE SAME PANELBOARD ARE REQUIRED, THE CONDUITS SHALL BE PARALLEL WITH EACH OTHER AND FASTENED TO COMMON SUPPORTS, SPACED AND SECURED AT THE REQUIRED INTERVALS.
10. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES TO SATISFY ALL FIELD AND CODE REQUIREMENTS.
11. PROVIDE SEPARATE PULL BOXES, CABINETS, ENCLOSURES, JUNCTION BOXES, CABLE SUPPORT BOXES FOR THE NORMAL AND EMERGENCY FEEDERS.
12. EMERGENCY FEEDERS SHALL BE PROVIDED WITH ONE (1) HOUR FIRE PROTECTION WHEN RUNNING THROUGH NON-SPRINKLERED AREAS.

ELECTRICAL RISER DIAGRAM DIAMOND NOTES:

1. PROVIDE A MULTI-POLE EMERGENCY GENERATOR BREAK-GLASS SHUT-OFF SWITCH IN NEMA 3R ENCLOSURE. SWITCH SHALL BE LOCATED AT BOTH SIDES OF THE GENERATOR ENCLOSURE. SWITCH SHALL BE PROVIDE WITH NAMEPLATE THAT READ AS FOLLOWS:

   "EMERGENCY GENERATOR SHUT-OFF AND STOPPAGE OF FUEL FLOW. USED ONLY IF GENERATOR IS ON FIRE."

   ACTIVATION OF BREAK-GLASS SWITCH SHALL SHUT DOWN FUEL SUPPLY TO THE ENGINE. PROVIDE SPARE CONTACT FOR CONNECTION TO REMOTE ANNUNCIATOR.
2. MULTIPLE TAPS & FEEDERS TO TEMPORARY CABLES FOR PORTABLE ELECTRIC HEATERS IN THE BUILDING TO BE DISCONNECTED AND REMOVED. ALL CABLING SHALL BE FULLY REMOVED THROUGHOUT THE BUILDING.
3. DISCONNECT AND REMOVE 15 kV FEED TO THE EXISTING TRANSFORMER AND PROVIDE NEW TAPS TO SERVE THE NEW TRANSFORMER. MODIFY THE MANHOLE PENETRATIONS ACCORDINGLY.
4. 30 kVA UPS WITH 208Y/120V INPUT - 208Y/120V OUTPUT WITH 18 MINUTES OF BATTERY BACKUP. REFER TO UPS SYSTEM NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
5. CAMLOCK EQUIPMENT, 1600A, 3 POLE, 4W+G IN NEMA 4XSS ENCLOSURE.
6. CONNECT TO PANELBOARD INSIDE THE GENERATOR ENCLOSURE.
7. PROVIDE SIX (6) 1-1/2" CONDUITS FROM THE GENERATOR TO THE THREE (3) ATS'S AND THE THREE (3) GENERATOR STATUS PANELS.
8. PROVIDE BREAKER TO TRIP UPON LOSS OF NORMAL POWER (UTILITY) AND AVOID BACKFEED.
9. STUB AND CAP THREE (3) 1" EMPTY CONDUITS WITH LABELED PULL ROPES FROM ELEC ROOM 103 TO SUPPORT ROOM 127

ELECTRICAL UPS SYSTEM NOTES:

ONE (1) 30KVA/30KW, LIEBERT MODEL 53S30HCFR700 , WITH THE FOLLOWING FEATURES AND CHARACTERISTICS (OR APPROVED EQUAL):

LIEBERT EXS IS A THREE-PHASE, TRANSFORMERLESS, ONLINE UPS 208V 4-WIRE PLUS GROUND ON BOTH INPUT AND OUTPUT. EXS PRODUCT FEATURES:

SHALL INCLUDE INPUT AND OUTPUT NOISE SUPPRESSION; INPUT SURGE PROTECTION, INPUT POWER FACTOR CORRECTION; PWM IGBT BASED INVERTER; AUTOMATIC AND MANUAL BATTERY TEST; MICROPROCESSOR-BASED CONTROLL AND MONITORING PACKAGE; AUTOMATIC RESTART; (2) INTELLISLOT™ COMMUNICATION PORTS; REPO CONNECTION TERMINAL BLOCK; INTERNAL LONG LIFE VRLA BATTERIES (6-8 YEAR DESIGN LIFE); INTEGRAL STATIC BYPASS SWITCH; AND INTEGRATED 4 BREAKER MAINTENANCE BYPASS. THE LCD DISPLAY SHALL PROVIDE ANNUNCIATION OF BATTERY CAPACITY; PERCENTAGE OF UPS LOAD; INPUT/OUTPUT VOLTAGES AND CURRENT; EVENT LOG, BATTERY OPERATION; BYPASS OPERATION AND UPS FAULT CONDITION. THE UNIT SHALL BE UL LISTED AND HAVE A 30KAIC SHORT CIRCUIT CURRENT RATING.

THE INTERNAL BATTERY SYSTEM SHALL BE RATED FOR 18 MINUTES AT A 30KW LOAD.

UPS VENDOR SHALL SUPPLY SYSTEM STARTUP AT CUSTOMER DESIGNATED TIME INCLUDING SITE ACCEPTANCE TEST WITH LOAD BANK RENTAL, 4 HOUR HEAT RUN, TRANSIENT TESTING AND ALARM VERIFICATION. A SEPARATE 4 HOUR TRAINING CLASS AFTER THE COMPLETION OF THE UPS STARTUP AND TESTING.

ONE (1) INTELLISLOT RELAY CONTACT INTERFACE KIT- THIS HOT-INSTALLABLE CARD PROVIDES RELAY CONTACT SIGNALS FOR "ON BATTERY", "LOW BATTERY", "ON BYPASS", "UPS FAULT" AND "SUMMARY ALARM". CONNECTIONS ARE TO A DB25F CONNECTOR WITH CABLE PROVIDED BY OTHERS.

ONE (1) INTELLISLOT UNITY INTERFACE CARD. (P/N IS-UNITY-DP) THIS INTERFACE CARD SHALL OFFER A WEB INTERFACE TO MONITOR AND CONFIGURE THE LIFE.NET AND VERTIV PROPRIETARY PROTOCOLS FOR USE WITH THE VERTIV LIFE STATION, LIEBERT NFORM AND VERTIV TRELLIS. THE IS-UNITY-DP CARD SHALL ADDITIONALLY ALLOW THE USER TO SELECT AND CONFIGURE TWO OF THE AVAILABLE THIRD PARTY PROTOCOLS - SNMP, MODBUS OR BACNET FOR INTERFACING TO NETWORK OR BUILDING MANANGEMENT SYSTEMS.

ONE (1) SN-TH, MODULAR ADAPTER WITH ONE TEMPERATURE SENSOR AND ONE HUMIDITY SENSOR INCLUDING 2M/6 FOOT CONNECTION CABLE.

ONE (1) SN-L1, MODULAR ADAPTER WITH 1 FOOT LEAK DETECTION CABLE FOR SPOT DETECTION OF A WATER LEAK.

MAXIMUM DIMENSIONS - 23.6"W x 33.5"D x 63"H, 1,650 LBS.

PHASING LINETYPES LEGEND	
- - - - -	EXISTING TO BE DEMOLISHED
———	EXISTING TO REMAIN
———	NEW

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IN CHARGE OF JOSEPH DELPOZZO
CHECKED BY JOSEPH DELPOZZO
MADE BY FELIPE GOMEZ

Revision	Date	Description
	08/08/2025	90% CD
	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

ISSUED FOR BID
DATE: 09/02/2026

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DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL RISER DIAGRAM

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-501
SHEET 127 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-500-0
REV NO.: 0

TYPE	DESCRIPTION	MANUFACTURER	LAMP	WATTS	VOLTS	CONTROL	REMARKS	LOCATION
G1-2'	SURFACE MOUNT LINEAR, 4"H x 4-5/8"W x 24" L, HIGH TRANSMISSION ACRYLIC DIFFUSER, WHITE FINISH, INTEGRAL DIMMABLE DRIVER	MERCURY LW5-2-2100-35K-HTA-1%-UNI	LED 3500 K 80 CRI 2106 LM	17	UNI	0-10V	MOUNT ABOVE HEADER OF DOOR.	BOH
G1-4'	SAME AS TYPE G1-2' EXCEPT 45" LENGTH AND CHAIN SUSPENDED MOUNT	MERCURY LW5-4-2100-35K-HTA-1%-UNI-VH-48"	LED 3500 K 80 CRI 2108 LM	15	UNI	0-10V	FOR EMERGENCY VERSION USE EM10 OPTION.	BOH, UNOCCUPIED FUTURE TENANT AREAS
G2	RECESSED ARCHITECTURAL 2x2 FOR GRID CEILINGS, IC RATED WITH WHITE ACRYLIC CENTER OPTIC, WHITE FINISH AND INTEGRAL 0-10V 1% DIMMING DRIVER.	METALUX 2ZRLN-LD5-31-UNV-L935-CD1	LED 3500 K 90 CRI 2713 LM	27	UNI	0-10V	FOR EMERGENCY VERSION USE EM14 OPTION.	GENERAL
G2A	SAME AS G2 EXCEPT FOR GYPSUM CEILING FRAME KIT	METALUX 2ZRLN-LD5-31-UNV-L935-CD1 DF-22W-U (DRYWALL FRAME KIT)	LED 3500 K 90 CRI 2713 LM	27	UNI	0-10V	FOR EMERGENCY VERSION USE EM14 OPTION.	GENERAL
G2B	SAME AS G2 EXCEPT FOR SURFACE MOUNT KIT	METALUX 2ZRLN-LD5-31-UNV-L935-CD1 SMK-22-W (4" SURFACE MOUNT KIT)	LED 3500 K 90 CRI 2713 LM	27	UNI	0-10V	FOR EMERGENCY VERSION USE EM14 OPTION.	GENERAL
G3	2' VAPORTIGHT LED LINEAR WALL MOUNT, HIGH TRANSMISSION FROSTED ACRYLIC NON-CORROSIVE LUMINAIRE	MERCURY LIGHTING L501-2-3800-35K-HTA-1%-UNI	LED 3500K 90 CRI 3452 LM	32	UNI	0-10V		ELEVATOR PIT LIGHT
G5	RECESSED SQUARE DOWNLIGHT, 2.25" APERTURE, 4" W FLANGE, 3-7/8"H, WHITE FINISH, NEW CONSTRUCTION IC HOUSING, INTEGRAL 0-10V 1% DIMMABLE DRIVER	WAC R2FSD1T-935-WT R2FBFN1T-1	LED 3500 K 90 CRI 1245 LM	15	UNI	0-10V	INSTALLER TO USE INCLUDED 55° BEAM REFLECTOR.	LOBBY, 1ST FLOOR CORRIDOR, TRAINING ROOM, MEDIUM CONFERENCE ROOM, STAIRS
G6	SUSPENDED LINEAR PENDANT, 3.25"W x 3.1"H, x 20'L, DIRECT / INDIRECT DISTRIBUTION WITH INDEPENDENT CONTROL, CAPSULE ENDCAP, GRID CEILING, BLACK POWDERCOAT FINISH, INTEGRATED DIMMABLE DRIVER	FLUXWERX PF3-P-B-D-90-B-20'-G-E1-M-06	LED 3500 K 90 CRI 18,000 LM	190	UNI	0-10V		LARGE CONFERENCE ROOM
G7	RECESSED LINEAR PERIMETER SLOT, 4"W x 7-1/8"H x LENGTHS AS DRAWN, TELESCOPIC LEFT END, FLAT ENDCAP, SPACKLE FLANGE FOR GYPSUM CEILINGS, WHITE REFLECTOR FINISH, INTEGRAL 1% DIMMABLE DRIVER	FINELITE HP-WS-4W-4D-LENGTHS AS DRAWN-B-935-SW-120-SC-FC 1%-TR-SF-TXL L-FE R-SW	LED 3500 K 90 CRI 399 LM/FT	4.6 W/FT	120	0-10V	CONTRACTOR TO PROVIDE LENGTHS PER PLAN.	MEETING ROOMS
G7-G	SAME AS TYPE G7 EXCEPT FOR GRID CEILING INSTALLATION	FINELITE HP-WS-4W-4D-LENGTHS AS DRAWN-B-935-SW-120-SC-FC 1%-TR-C2-TXL L-FE R-SW	LED 3500 K 90 CRI 399 LM/FT	4.6 W/FT	120	0-10V	ARCHITECT TO CONFIRM CEILING TYPE. 9/16" T-BAR SPECIFIED. CONTRACTOR TO PROVIDE LENGTHS PER PLAN. PROVIDE SEEMLESS INSIDE AND OUTSIDE CORNERS AS REQUIRED.	LOBBY, CORRIDOR
G8	SURFACE MOUNT ARCHITECTURAL CUBE, 5"W x 5"D x 4.5"H, BLACK FINISH, INTEGRAL DIMMABLE DRIVER.	WAC FM-W47206-3500K-BK	LED 3500 K 90 CRI 925 LM	12	120	PHASE	INSTALLER TO SELECT 3500K COLOR TEMPERATURE IN FIELD IF OPTION IS AVAILABLE.	EXTERIOR ENTRANCE CANOPY
G9	SURFACE MOUNT 'RACEWAY' FIXTURE, 2-1/8"W x 3-1/2"H x LENGTHS AS DRAWN, SPOTLESS LENS, BLACK FINISH	AXIS SK2S-SR(12'x6',24")-AL(33.5')-300-90-35-SO-BLK-UNV-DP-1-S	LED 3500 K 90 CRI 10800 LM	96	UNI	0-10V		LOBBY
G10	SURFACE MOUNT ROUND, 4" APERTURE x 1-15/16"H, WET RATED WITH NON-CONDUCTIVE FRONT, INTEGRAL DIMMABLE DRIVER	DMF DRDSS-4-R-10-9-35-ODF	LED 3500 K 90 CRI 1000 LM	12	UNI	0-10V		SHOWERS
G11	LED TAPE, DRY RATED, 384" REEL, WHITE PLENUM RATED BARE WIRE I/O, FIELD CUTTABLE, ALUMINUM EXTRUSION CHANNEL FOR LED TAPE, 0.7"W x 0.28"H, DIFFUSED LENS, SATIN FINISH, STAINLESS STEEL MOUNTING CLIPS, FIELD CUTTABLE, 192W (96W x 2) REMOTE POWER SUPPLY, WHITE FINISH	QTL SW24/3.0-DRY-35-BW-BW-WH-CL2P-384" THIN-ST-SST-DF-NI-98.43" QZ-192W-UNV-24V-PH/010-WH	LED 3500 K 98 CRI 317 LM/FT	3 W/FT	UNI	0-10V	NOTE TO INSTALLER: CUT TO LENGTH AND ASSEMBLE IN FIELD - SEE CUT AND DETAIL FOR MORE INFORMATION. PROVIDE HOMERUN FROM EACH LED SEGMENT TO REMOTE DRIVER - SEE CUT AND POWER PLAN DETAIL FOR MORE INFORMATION.	LARGE CONFERENCE ROOM COVE
G12-10'	RECESSED LINEAR, 4"W x 4.68"H x 10', GRID MOUNT, SYMMETRIC DISTRIBUTION, INTEGRATED DIMMABLE DRIVER	FLUXWERX NT1-L-G1-B-A-90-E1-M-10'	LED 3500 K 90 CRI 3664 LM	50	UNI	0-10V		MEDIUM CONFERENCE ROOMS
G14	ARCHITECTURAL WALL PACK, 9"W x 8"H x 5.5"D, FORWARD THROW EMISSION, SURFACE MOUNT BRACKET, BLACK FINISH, INTEGRAL DRIVER	LITHONIA WDGE1 LED-P2-35K-80CRI-VF-MVOLT-SRM-E4WH-DBLXD	LED 3500 K 80 CRI 1925 LM	15	UNI	N/A		EXTERIOR EGRESS
G15	DETENTION MINIMUM GRADE SURFACE LINEAR, 12"W x 48"L x 11.875"H, SYMMETRIC DIFFUSED ACRYLIC LENS, 18GA STEEL HOUSING, WHITE FINISH, INTEGRAL DIMMABLE DRIVER	KENALL SDA-4-2-45L35K-DCC-DV-SYM-G-1	LED 3500 K 80 CRI 4522 LM	46	UNI	0-10V		HOLDING CELL, HOLDING BATHROOM
G16	LED HANDRAIL INSERT, SYMMETRICAL 90° DISTIBUTION, OTHER SPECIFICATIONS TO FOLLOW	KLIK USA LEDPOD 40 LP40-35K-S-XXX	LED 3500 K 85 CRI	2.6	UNI	0-10V	ARCHITECT TO CONFIRM CONFIGURATION AND FINISH.	MAIN ENTRANCE ACCESS RAMP
G17	LINEAR SURFACE MOUNT FIXTURE WITH INTEGRAL OCCUPANCY SENSOR, 4"H X 4.7"W X 4'L, HIGH TRANSMISSION ACRYLIC DIFFUSER, WHITE FINISH, INTEGRAL DIMMABLE DRIVER	MERCURY LW14STR-4-4500-35K-HTA20-1%-20-UNI	LED 3500 K 80 CRI 4472 LM	34	UNI	0-10V	FOR EMERGENCY VERSION USE EM10 OPTION. MAX 10' AFF MOUNTING FOR FUNCTIONALITY OF INTEGRAL OCC SENSOR.	STAIRS

ELECTRICAL SCHEDULES GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. ALL TIME CLOCK SCHEDULES SHALL BE COORDINATED WITH THE CLIENT FOR OPERATIONAL HOURS PRIOR TO ANY SYSTEM PROGRAMMING.

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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL LIGHTING FIXTURE SCHEDULE

CONTRACT NUMBER 25-532
SHEET NUMBER E-600
SHEET 128 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-501-0
REV NO. 0

ELECTRICAL SCHEDULES GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE ONLY. ACTUAL CIRCUITS SHOWN SHALL MATCH FIELD CONDITIONS.
3. PROVIDE OVERSIZED LUGS (QUANTITIES AND SIZES) TO MATCH THE BRANCH CIRCUIT OR FEEDER OF ALL PANELBOARDS.
4. THE CONTRACTOR SHALL COORDINATE TOP OR BOTTOM FEEDER ENTRY INTO ALL PANELBOARDS PRIOR TO SUBMITTING SHOP DRAWINGS.
5. CONDUCTORS SHALL BE SIZED TO OVERCOME VOLTAGE DROP AS FOLLOWS:
   A. FOR [120V,1P] ; [208V,2P] ; [208V,3P] BRANCH CIRCUITS, UTILIZE:
      a. #12 AWG CONDUCTORS UP TO 100 FEET.
      b. #10 AWG CONDUCTORS FOR 101 TO 200 FEET.
      c. #8 AWG CONDUCTORS FOR 201 TO 300 FEET.
      d. #6 AWG CONDUCTORS FOR 301 TO 400 FEET.
6. ALL PANELBOARDS PROVIDED WITH MAIN CIRCUIT BREAKERS SHALL HAVE THE MCB'S INSTALLED VERTICALLY AND BE ADJUSTABLE.

Switchboard: MS-1

Location: B-02 - ELEC RM | **Volts:** 120/208 Wye | **A.I.C. Rating:** 100 kAIC
Supply From: 750 kVA XFRM | **Phases:** 3 | **Mains Type:** MCB
Mounting: Floor | **Wires:** 4 | **Mains Rating:** 2500 A (D)
Enclosure: Type 1 | **Neutral:** 100% | **MCB Rating:** 2500 A
ARC ENERGY REDUCTION MCB

Notes:
NEW

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	SPD (Surge Protective Device)	3	60 A	60 A	0 VA	
2	(D) ATS #1 - Two (2) sets of 4#600 kcmil+1#1/0G, 4"C	3	800 A	800 A	215785 VA	
3	(D) ATS #2 - Two (2) sets of 4#600 kcmil+1#1/0G, 4"C	3	800 A	800 A	230389 VA	
4	(D) ATS #3 - 4#3/0 + 1#6 G, 2"C	3	200 A	200 A	30995 VA	
5	(D) Building 15	3	225 A	225 A	60000 VA	
6	Spare	3	225 A	225 A	0 VA	
7	Spare	3	225 A	225 A	0 VA	
8	(D) DP-PV - 4#600 kcmil + 1#2 G, 3-1/2"C	3	400 A	400 A	0 VA	
				Total Conn. Load:	537169 VA	
				Total Amps:	1491 A	

Legend:
(A) - Denotes AFCI Circuit Breaker | **(D) - Denotes Integrated Electronic Submeter** | **(S) - Denotes SHUNT TRIP Circuit Breaker**
(B) - Denotes GFCI Circuit Breaker | **(L) - Denotes LOCKABLE Type Circuit Breaker**
(C) - Denotes GFPE Circuit Breaker | **(N) - Denotes NEW Circuit Breaker**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Elevator	52853 VA	90.00%	47568 VA		
HVAC	182165 VA	85.00%	154840 VA	**Total Conn. Load:**	537169 VA
Other	732 VA	100.00%	732 VA	**Total Est. Demand:**	476576 VA
Receptacle	50730 VA	59.86%	30365 VA	**Total Conn.:**	1491 A
Spare	202500 VA	100.00%	202500 VA	**Total Est. Demand:**	1323 A
Power	37244 VA	80.00%	29795 VA		
Lighting	9831 VA	100.00%	9831 VA		
Plumbing	1127 VA	85.00%	958 VA		

Notes:

Switchboard: DP-GEN

Location: 112 - EM ELEC | **Volts:** 120/208 Wye | **A.I.C. Rating:** 100 kAIC
Supply From: 600 kW / 750 kVA Gen | **Phases:** 3 | **Mains Type:** MCB
Mounting: Floor | **Wires:** 4 | **Mains Rating:** 2500 A (D)
Enclosure: Type 1 | **Neutral:** 100% | **MCB Rating:** 2500 A

Notes:
NEW

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	SPD (Surge Protective Device)	3	60 A	60 A	0 VA	
2	Camlock - Four (4) sets of 4#600 kcmil + 1#4/0 G, 4"C	3	1600 A	1600 A	0 VA	Kirk Key Interlocked w/ MCB
3	ATS #1 - Two (2) sets of 4#600 kcmil + 1#1/0 G, 4"C	3	800 A	800 A	215785 VA	
4	ATS #2 - Two (2) sets of 4#600 kcmil + 1#1/0 G, 4"C	3	800 A	800 A	230389 VA	
5	ATS #3 - 4#3/0 + 1#6 G, 2"C	3	200 A	200 A	30995 VA	
6	ATS #4 - 3#1/0,1/C+1#2G,1/C (2 HR Rated MI Cable)	3	200 A	200 A	51516 VA	
7	Spare	3	225 A	225 A	0 VA	
8	Spare	3	225 A	225 A	0 VA	
				Total Conn. Load:	528685 VA	
				Total Amps:	1467 A	

Legend:
(A) - Denotes AFCI Circuit Breaker | **(D) - Denotes Integrated Electronic Submeter** | **(S) - Denotes SHUNT TRIP Circuit Breaker**
(B) - Denotes GFCI Circuit Breaker | **(L) - Denotes LOCKABLE Type Circuit Breaker**
(C) - Denotes GFPE Circuit Breaker | **(N) - Denotes NEW Circuit Breaker**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Elevator	52853 VA	90.00%	47568 VA		
HVAC	182165 VA	85.00%	154840 VA	**Total Conn. Load:**	528685 VA
Other	732 VA	100.00%	732 VA	**Total Est. Demand:**	468092 VA
Receptacle	50730 VA	59.86%	30365 VA	**Total Conn.:**	1467 A
Spare	142500 VA	100.00%	142500 VA	**Total Est. Demand:**	1299 A
Power	37244 VA	80.00%	29795 VA		
Lighting	9831 VA	100.00%	9831 VA		
Plumbing	1127 VA	85.00%	958 VA		
Fire Pump	51516 VA	100.00%	51516 VA		

Notes:

Distribution Panel: DP-1

Location: 103 - ELEC | **Volts:** 120/208 Wye | **A.I.C. Rating:** 42 kAIC
Supply From: ATS #2 | **Phases:** 3 | **Mains Type:** MCB
Mounting: Floor | **Wires:** 4 | **Bus Rating:** 800 A
Enclosure: Type 1 | **Neutral:** 100% | **MCB Rating:** 800 A

Notes:
NEW

CKT	Circuit Description		Trip	Poles	A	B	C
#1,2,3	LP-1-1	(4#4/0 + 1#4 G, 2-1/2"C)	225 A	3	24378 VA	23470 VA	27097 VA
#4,5,6	(D) LP-1-K	(4#600 kcmil + 1#2 G, 3-1/2"C)	400 A	3	42580 VA	38260 VA	37832 VA
#7,8,9	UPS serving ULP-IT	(4#1 + 1#6 G, 1-1/2"C)	125 A	3	6000 VA	6000 VA	6000 VA
#10,11,12	LP-2-1	(4#3 + 1#8 G, 1-1/4"C)	100 A	3	5680 VA	7364 VA	5729 VA
#13,14,15	Spare		150 A	3	0 VA	0 VA	0 VA
#16,17,18	Spare		150 A	3	0 VA	0 VA	0 VA
#19,20,21	Space		--	3	--	--	--
#22,23,24	Space		--	3	--	--	--
				Total Load:	78638 VA	75094 VA	76658 VA
				Total Amps:	657 A	626 A	641 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	15334 VA	85.00%	13034 VA		
Other	138 VA	100.00%	138 VA	**Total Conn. Load:**	230389 VA
Spare	118500 VA	100.00%	118500 VA	**Total Est. Demand:**	200301 VA
Power	35664 VA	80.00%	28531 VA	**Total Conn. Current:**	639 A
Lighting	6490 VA	100.00%	6490 VA	**Total Est. Demand...**	556 A
Elevator	2420 VA	95.00%	2299 VA		
Receptacle	50730 VA	59.86%	30365 VA		
Plumbing	1127 VA	85.00%	958 VA		

Notes:
(D) - DENOTES INTEGRATED ELECTRONIC SUBMETER

Branch Panel: LP-1-1

Location: 103 - ELEC | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22 kAIC
Supply From: DP-1 | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1 | **Neutral:** 100% | **MCB Rating:** 225 A
FEED-THRU LUGS

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
#1	103 - Convenience Receptacle	20 A	1	360 VA	720 VA		1	20 A	113,114 - Convenience Recept.	#2
#3	103 - UH-1	20 A	2			1500 VA	540 VA	1	20 A	113,114 - Controlled Receptacles	#4
#5	(2#12 + 1#12 G, 3/4"C)						1500 VA	540 VA	1	20 A	113,114 - Convenience Recept.	#6
#7	100 - Convenience Receptacles	20 A	1	360 VA	540 VA				1	20 A	180 - Convenience Receptacles	#8
#9	Outdoor Conv. Receptacles	20 A	1			360 VA	360 VA		1	20 A	118,119 - Convenience Recept.	#10
#11	104 - Convenience Receptacles	20 A	1					540 VA	1150 VA	1	20 A	(B) 106 - Drinking Fountains	#12
#13	106 - Convenience Receptacles	20 A	1	360 VA	250 VA				1	20 A	100,104,106,180 - VAV's	#14
#15	107 - USDA Workstation Recept.	20 A	1			720 VA	350 VA		1	20 A	107,109,111 - VAV's	#16
#17	107 - USDA Controlled Recept.	20 A	1					720 VA	372 VA	1	20 A	110 - EX-1	#18
#19	109,110 - Convenience Recept.	20 A	1	720 VA	864 VA				1	20 A	100A - Door Operator Power	#20
#21	111 - Controlled Receptacles	20 A	1			720 VA	0 VA		1	20 A	Spare	#22
#23	111 - Controlled Receptacles	20 A	1					540 VA	0 VA	1	20 A	Spare	#24
#25	111 - Controlled Receptacles	20 A	1	540 VA	0 VA				1	20 A	Spare	#26
#27	111 - TV / Monitor Contr. Recept.	20 A	1			500 VA	0 VA		1	20 A	Spare	#28
#29	111 - Controlled Receptacles	20 A	1					540 VA	0 VA	1	20 A	Spare	#30
#31	111 - Floor Box Receptacles	20 A	1	1080 VA	1067 VA				1	20 A	1st Floor Lighting	#32
#33	111 - Floor Box Receptacles	20 A	1			1080 VA	1143 VA		1	20 A	1st Floor Lighting	#34
#35	111 - Floor Box Receptacles	20 A	1					1080 VA	1368 VA	1	20 A	1st Floor Lighting	#36
#37	111 - Microwave Receptacle	20 A	1	1200 VA	664 VA				1	20 A	1st Floor Lighting	#38
#39	111 - Coffee Maker Receptacle	20 A	1			1400 VA	540 VA		1	20 A	Outdoor Conv. Receptacles	#40
#41	111 - Water Cooler Receptacle	20 A	1					600 VA	540 VA	1	20 A	Outdoor Conv. Receptacles	#42
#43	111 - Refrigerator Receptacle	20 A	1	1150 VA	23 VA				1	20 A	Exterior Stair Rail Lighting	#44
#45	101 - EMR Conv. Receptacle	20 A	1			180 VA	180 VA		1	20 A	Elevator Pit Receptacles	#46
#47	Elevator Pit - EPP-1	20 A	1					1127 VA	500 VA	1	20 A	Main Lighting Control System	#48
#49	1ST1 - CUH-1	15 A	1	50 VA	500 VA				1	20 A	Lighting Control System (104)	#50
#51	101 - Elevator Cab Ltg & Pwr	20 A	1			500 VA	500 VA		1	20 A	Lighting Control System (180)	#52
#53	101 - Elevator Oil Cooler	20 A	1					1920 VA	500 VA	1	20 A	Lighting Control System (Police)	#54
	THIS SECTION TOTAL:	**Total Load:**		10446 VA		10570 VA			13536 VA				
		Total Amps:		87 A		88 A			113 A				
	TOTAL LOAD CONNECTED TO FEED THROUGH LUGS:	**Total Load:**		13932 VA		12900 VA			13560 VA				
		Total Amps:		117 A		108 A			114 A				
	PANEL GRAND TOTALS:	**Total Load:**		24378 VA		23470 VA			27097 VA				
		Total Amps:		204 A		196 A			227 A				

Legend:
(A) - Denotes AFCI Circuit Breaker | **(D) - Denotes Integrated Electronic Submeter** | **(S) - Denotes SHUNT TRIP Circuit Breaker**
(B) - Denotes GFCI Circuit Breaker | **(L) - Denotes LOCKABLE Type Circuit Breaker**
(C) - Denotes GFPE Circuit Breaker | **(N) - Denotes NEW Circuit Breaker**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Elevator	2420 VA	95.00%	2299 VA		
HVAC	15334 VA	85.00%	13034 VA	**Total Conn. Load:**	74944 VA
Other	138 VA	100.00%	138 VA	**Total Est. Demand:**	52932 VA
Receptacle	48210 VA	60.37%	29105 VA	**Total Conn.:**	208 A
Spare	2000 VA	100.00%	2000 VA	**Total Est. Demand:**	147 A
Power	1584 VA	80.00%	1267 VA		
Lighting	4142 VA	100.00%	4142 VA		
Plumbing	1127 VA	85.00%	958 VA		

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

Branch Panel: LP-1-1

Location: 103 - ELEC | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22 kAIC
Supply From: LP-1-1 | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1 | **Neutral:** 100% | **MCB Rating:** 225 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
#55	122,125 - Workstation Recept.	20 A	1	540 VA	1260 VA		1	20 A	137,138,169,170,171 - Conv. Rec.	#56
#57	122,125 - Controlled Receptacles	20 A	1		720 VA	180 VA	1	20 A	137 - GYM Receptacle	#58
#59	123,124 - Convenience Recept.	20 A	1			720 VA	180 VA	1	20 A	137 - GYM Receptacle	#60
#61	127 - Quad Receptacles	20 A	1	720 VA	180 VA			1	20 A	137 - GYM Receptacle	#62
#63	127 - Quad Receptacles	20 A	1		720 VA	180 VA		1	20 A	137 - GYM Receptacle	#64
#65	128 - Conv. Controlled Recept.	20 A	1			720 VA	540 VA	1	20 A	168 - Bunk Rm Receptacles	#66
#67	128 - Refrigerator Receptacle	20 A	1	1150 VA	540 VA			1	20 A	169 - LT Office Receptacles	#68
#69	128 - Water Cooler Receptacle	20 A	1		600 VA	720 VA		1	20 A	171 - Quad Receptacles	#70
#71	128 - Microwave Receptacle	20 A	1			1200 VA	720 VA	1	20 A	171 - Quad Receptacles	#72
#73	128 - Coffee Maker Receptacle	20 A	1	1400 VA	720 VA			1	20 A	171 - Quad Receptacles	#74
#75	126 - Convenience Receptacles	20 A	1		360 VA	900 VA		1	20 A	160 - Office Receptacles	#76
#77	126 - Convenience Receptacles	20 A	1			360 VA	540 VA	1	20 A	160 - Office Receptacles	#78
#79	(B) 128 - Drinking Fountains	20 A	1	1150 VA	180 VA			1	20 A	157 - Toilet Receptacle	#80
#81	188 - Convenience Receptacles	20 A	1		360 VA	180 VA		1	20 A	157 - Toilet Receptacle	#82
#83	181,186 - Toilet Receptacles	20 A	1			360 VA	180 VA	1	20 A	163 - Microwave Contr. Recept.	#84
#85	123,126,128,188 - VAV's	20 A	1	350 VA	1400 VA			1	20 A	163 - Coffee Maker Receptacle	#86
#87	137,168,170 - VAV's	20 A	1		150 VA	180 VA		1	20 A	163 - Water Cooler Contr. Recept.	#88
#89	141,160,161,162 - VAV's	20 A	1			200 VA	1150 VA	1	20 A	163 - Refrigerator Receptacle	#90
#91	125 - EX-2	20 A	1	372 VA	1080 VA			1	20 A	141,158,159 - Controlled Recept.	#92
#93	156,160 - Convenience Recept.	20 A	1		720 VA	540 VA		1	20 A	141,158,159 - Office Receptacles	#94
#95	161 - Floor Box & TV / Monitor	20 A	1			720 VA	1800 VA	1	20 A	162 - Flight Simulator Receptacle	#96
#97	161 - Controlled Receptacles	20 A	1	970 VA	1920 VA			1	20 A	125 - EHM-1	#98
#99	162 - Convenience Receptacles	20 A	1		1080 VA	1150 VA		1	20 A	(B) 163 - Drinking Fountains	#100
#101	Spare	20 A	1				0 VA	10 VA	1	20 A	Exterior Stair Rail Lighting	#102
#103	Spare	20 A	1	0 VA	0 VA				1	20 A	Spare	#104
#105 #107	HP-1 & AC-1 (2#10 + 1#10 G, 3/4"C)	30 A	2		2080 VA	2080 VA	2080 VA	2080 VA	2	30 A	HP-2 & AC-2 (2#10 + 1#10 G, 3/4"C)	#106 #108
		Total Load:		13932 VA		12900 VA		13560 VA				
		Total Amps:		117 A		108 A		114 A				

Legend:
(A) - Denotes AFCI Circuit Breaker | **(D) - Denotes Integrated Electronic Submeter** | **(S) - Denotes SHUNT TRIP Circuit Breaker**
(B) - Denotes GFCI Circuit Breaker | **(L) - Denotes LOCKABLE Type Circuit Breaker**
(C) - Denotes GFPE Circuit Breaker | **(N) - Denotes NEW Circuit Breaker**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	11312 VA	85.00%	9615 VA		
Receptacle	29070 VA	67.20%	19535 VA	**Total Conn. Load:**	40392 VA
Lighting	10 VA	100.00%	10 VA	**Total Est. Demand:**	29161 VA
				Total Conn.:	112 A
				Total Est. Demand:	81 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

Branch Panel: LP-1-K

Location: 105 - LEASE SPACE | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22 kAIC
Supply From: DP-1 | **Phases:** 3 | **Mains Type:** MCB
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 400 A
Enclosure: Type 1 | **Neutral:** 100% | **MCB Rating:** 400 A
FEED-THRU LUGS

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
#1	105 - Quad Receptacles	20 A	1	1080 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#2
#3	105 - Quad Receptacles	20 A	1		1080 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#4
#5	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#6
#7	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA			1	20 A	FUTURE KITCHEN LOAD	#8
#9	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#10
#11	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#12
#13	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA			1	20 A	FUTURE KITCHEN LOAD	#14
#15	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#16
#17	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#18
#19	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA			1	20 A	FUTURE KITCHEN LOAD	#20
#21	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#22
#23	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#24
#25	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA			1	20 A	FUTURE KITCHEN LOAD	#26
#27	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#28
#29	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#30
#31	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA			1	20 A	FUTURE KITCHEN LOAD	#32
#33	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#34
#35	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#36
#37	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA			1	20 A	FUTURE KITCHEN LOAD	#38
#39	Exterior Convenience Receptalce	20 A	1		180 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#40
#41	Exterior Convenience Receptalce	20 A	1			180 VA	158 VA	1	20 A	105 - Lighting	#42
	THIS SECTION TOTAL:	**Total Load:**		20580 VA		19260 VA			18332 VA			
		Total Amps:		173 A		162 A			153 A			
	TOTAL LOAD CONNECTED TO FEED THROUGH LUGS:	**Total Load:**		22000 VA		19000 VA			19500 VA			
		Total Amps:		184 A		158 A			163 A			
	PANEL GRAND TOTALS:	**Total Load:**		42580 VA		38260 VA			37832 VA			
		Total Amps:		355 A		319 A			315 A			

Legend:
(A) - Denotes AFCI Circuit Breaker | **(D) - Denotes Integrated Electronic Submeter** | **(S) - Denotes SHUNT TRIP Circuit Breaker**
(B) - Denotes GFCI Circuit Breaker | **(L) - Denotes LOCKABLE Type Circuit Breaker**
(C) - Denotes GFPE Circuit Breaker | **(N) - Denotes NEW Circuit Breaker**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	2520 VA	100.00%	2520 VA		
Spare	116000 VA	100.00%	116000 VA	**Total Conn. Load:**	118672 VA
Lighting	158 VA	100.00%	158 VA	**Total Est. Demand:**	118672 VA
				Total Conn.:	329 A
				Total Est. Demand:	329 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

MS-1	DP-GEN	DP-1
LP-1-1 (S1)	LP-1-1 (S2)	LP-1-K (S1)

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Revision	Date	Description
	08/08/2025	90% CD
	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION
☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL SCHEDULE SHEET #1

CONTRACT NUMBER 25-532
SHEET NUMBER E-601
SHEET 129 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-502-0
REV NO. 0

Branch Panel: LP-1-K

Location: 105 - LEASE SPACE
Supply From: LP-1-K
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
#43	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#44
#45	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#46
#47	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1	20 A	FUTURE KITCHEN LOAD	#48
#49	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#50
#51	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#52
#53	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1	20 A	FUTURE KITCHEN LOAD	#54
#55	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#56
#57	FUTURE KITCHEN LOAD	20 A	1		1500 VA	1500 VA	1	20 A	FUTURE KITCHEN LOAD	#58
#59	FUTURE KITCHEN LOAD	20 A	1			1500 VA	1	20 A	FUTURE KITCHEN LOAD	#60
#61	FUTURE KITCHEN LOAD	20 A	1	1500 VA	1500 VA		1	20 A	FUTURE KITCHEN LOAD	#62
#63	Spare	20 A	1		0 VA	--	1	--	Space	#64
#65	Spare	20 A	1			0 VA	--	1	--	Space	#66
#67	Spare	20 A	1	0 VA	--				1	--	Space	#68
#69	Spare	20 A	1		0 VA	--			1	--	Space	#70
#71	Spare	20 A	1			0 VA	--		1	--	Space	#72
#73	Spare	20 A	1	0 VA	--				1	--	Space	#74
#75	Spare	20 A	1		0 VA	--			1	--	Space	#76
#77	FUTURE LIGHTING CONTROLS	20 A	1			500 VA	--	1	--	Space	#78
#79				5000 VA	5000 VA							#80
#81	FUTURE KITCHEN HVAC LOAD	60 A	3		5000 VA	5000 VA		3	60 A	FUTURE KITCHEN HVAC LOAD	#82
#83						5000 VA	5000 VA					#84
			Total Load:	22000 VA	19000 VA	19500 VA					
			Total Amps:	184 A	158 A	163 A					

Legend:
(A) - Denotes AFCI Circuit Breaker
(B) - Denotes GFCI Circuit Breaker
(C) - Denotes GFPE Circuit Breaker
(D) - Denotes Integrated Electronic Submeter
(L) - Denotes LOCKABLE Type Circuit Breaker
(N) - Denotes NEW Circuit Breaker
(S) - Denotes SHUNT TRIP Circuit Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Spare	60500 VA	100.00%	60500 VA		
				Total Conn. Load:	60500 VA
				Total Est. Demand:	60500 VA
				Total Conn.:	168 A
				Total Est. Demand:	168 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

Distribution Panel: DP-1-M

Location: B-02 - ELEC RM
Supply From: ATS #1
Mounting: Floor
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 42 kAIC
Mains Type: MCB
Bus Rating: 800 A
MCB Rating: 800 A

Notes:
NEW

CKT	Circuit Description		Trip	Poles	A	B	C
#1,2,3	B-02 - LP-1-M	(4#3/0 + 1#6 G, 2"C)	200 A	3	15017 VA	13178 VA	14730 VA
#4,5,6	203 - DP-2-M	(4#600 kcmil + 1#2 G, 3-1/2"C)	400 A	3	33700 VA	34042 VA	32350 VA
#7,8,9	(S) DS-ELEV-1	(3#350 kcmil + 1#4 G, 2-1/2"C)	300 A	3	16811 VA	16811 VA	16811 VA
#10,11,12	Roof - RTU-5	(3#4 + 1#8 G, 1"C)	80 A	3	7445 VA	7445 VA	7445 VA
#13,14,15	Spare		100 A	3	0 VA	0 VA	0 VA
#16,17,18	Spare		100 A	3	0 VA	0 VA	0 VA
#19,20,21	Spare		--	3	--	--	--
#22,23,24	Space		--	3	--	--	--
				Total Load:	72973 VA	71476 VA	71336 VA
				Total Amps:	608 A	596 A	594 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	164452 VA	85.00%	139784 VA		
Power	900 VA	80.00%	720 VA	**Total Conn. Load:**	215785 VA
Elevator	50433 VA	100.00%	50433 VA	**Total Est. Demand:**	190937 VA
				Total Conn. Current:	599 A
				Total Est. Demand...	530 A

Notes:
(S) - DENOTES SHUNT TRIP CIRCUIT BREAKER.

Distribution Panel: DP-2-M

Location: 203 - ELEC
Supply From: DP-1-M
Mounting: Floor
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 42 kAIC
Mains Type: MCB
Bus Rating: 400 A
MCB Rating: 400 A

Notes:
NEW

CKT	Circuit Description		Trip	Poles	A	B	C
#1,2,3	Roof - RTU-1	(3#2 + 1#6 G, 1-1/4"C)	100 A	3	8766 VA	8766 VA	8766 VA
#4,5,6	Roof - RTU-2	(3#4 + 1#8 G, 1"C)	80 A	3	6965 VA	6965 VA	6965 VA
#7,8,9	Roof - RTU-3	(3#1 + 1#6 G, 1-1/4"C)	110 A	3	10207 VA	10207 VA	10207 VA
#10,11,12	Roof - RTU-4	(3#4 + 1#8 G, 1"C)	70 A	3	5884 VA	5884 VA	5884 VA
#13,14,15	LP-2-M	(4#3 + 1#8 G, 1-1/4"C)	100 A	3	1878 VA	2220 VA	528 VA
#16,17,18	Spare		100 A	3	0 VA	0 VA	0 VA
#19,20,21	Spare		100 A	3	0 VA	0 VA	0 VA
#22,23,24	Space		--	3	--	--	--
				Total Load:	33700 VA	34042 VA	32350 VA
				Total Amps:	283 A	285 A	270 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	100092 VA	85.00%	85078 VA		
				Total Conn. Load:	100092 VA
				Total Est. Demand:	85078 VA
				Total Conn. Current:	278 A
				Total Est. Demand...	236 A

Notes:

Branch Panel: LP-2-1

Location: 203 - ELEC
Supply From: DP-1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
#1	203,214A - Convenience Recept.	20 A	1	360 VA	180 VA		1	20 A	207 - Convenience Receptacle	#2
#3	North Roof - Convenience Recept.	20 A	1		180 VA	360 VA	1	20 A	207B - AV Quad Receptacle	#4
#5	South Roof - Convenience Recept.	20 A	1			540 VA	720 VA	1	20 A	206 - Conv. Controlled Recept.	#6
#7	200 - Convenience Receptacles	20 A	1	1260 VA	500 VA			1	20 A	206 - TV / Monitor Receptacles	#8
#9	210,214 - Convenience Recept.	20 A	1		720 VA	1080 VA		1	20 A	206 - Floor Box Receptacle	#10
#11	(B) 214 - Drinking Fountains	20 A	1			1150 VA	360 VA	1	20 A	206 - Conv. Controlled Recept.	#12
#13	217,218 - Convenience Recept.	20 A	1	360 VA	360 VA			1	20 A	206 - Conv. Controlled Recept.	#14
#15	204,205,209 - Convenience Rec.	20 A	1		720 VA	720 VA		1	20 A	205 - Quad Controlled Recept.	#16
#17	208 - TV / Controlled Recept.	20 A	1			790 VA	720 VA	1	20 A	205 - Quad Controlled Recept.	#18
#19	208 - Floor Box Receptacles	20 A	1	720 VA	720 VA			1	20 A	205 - Floor Box Controlled Recept.	#20
#21	Roof - Convenience Recept.	20 A	1		540 VA	720 VA		1	20 A	205 - Floor Box Receptacles	#22
#23	Spare	20 A	1			0 VA	720 VA	1	20 A	205 - Floor Box Receptacles	#24
#25	Spare	20 A	1	0 VA	720 VA			1	20 A	205 - Floor Box Controlled Recept.	#26
#27	Spare	20 A	1		0 VA	500 VA		1	20 A	205 - TV / Monitor Receptacles	#28
#29	Spare	20 A	1			0 VA	360 VA	1	20 A	205 - Conv. Controlled Recept.	#30
#31	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	#32
#33	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	#34
#35	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	#36
#37	Lighting Control System (200)	20 A	1	500 VA	0 VA			1	20 A	Spare	#38
#39	2nd Floor Lighting	20 A	1		1710 VA	120 VA		1	20 A	200 - Lighting Fixtures	#40
#41	2nd Floor Lighting	20 A	1			289 VA	80 VA	1	20 A	Stair 2ST1 & 2ST2 Lighting	#42
			Total Load:	5680 VA	7364 VA	5729 VA				
			Total Amps:	47 A	61 A	48 A				

Legend:
(A) - Denotes AFCI Circuit Breaker
(B) - Denotes GFCI Circuit Breaker
(C) - Denotes GFPE Circuit Breaker
(D) - Denotes Integrated Electronic Submeter
(L) - Denotes LOCKABLE Type Circuit Breaker
(N) - Denotes NEW Circuit Breaker
(S) - Denotes SHUNT TRIP Circuit Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Spare	500 VA	100.00%	500 VA		
Power	16080 VA	80.00%	12864 VA	**Total Conn. Load:**	18773 VA
Lighting	2194 VA	100.00%	2194 VA	**Total Est. Demand:**	15557 VA
				Total Conn.:	52 A
				Total Est. Demand:	43 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

Branch Panel: LP-1-M

Location: B-02 - ELEC RM
Supply From: DP-1-M
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
#1	B-01,B-02,112,115 - Conv. Rec.	20 A	1	900 VA	667 VA		1	20 A	112 - WF-1	#2
#3	B-01 - WF-1	20 A	1		667 VA	1500 VA	2	20 A	112 - EUH-1 (2#12 + 1#12 G, 3/4"C)	#4
#5	B-01 - P-1 (3#12 + 1#12 G, 3/4"C)	20 A	3	2005 VA	5000 VA					#6
#7						2005 VA	1500 VA			#8
#9					2005 VA	5000 VA	3	60 A	112 - EWH-1 (3#6 + 1#10 G, 3/4"C)	#10
#11	B-01 - P-2 (3#12 + 1#12 G, 3/4"C)	20 A	3	2005 VA	720 VA					#12
#13						2005 VA	5000 VA			#14
#15					2005 VA	667 VA	1	20 A	112 - CP-1	#16
#17	B-01 - UH-1	20 A	1			250 VA	250 VA	1	20 A	115 - UH-1	#18
#19	(S) B-01 - B-1	20 A	1	720 VA	0 VA			1	20 A	Spare	#20
#21	RESERVED FOR SHUNT TRIP	20 A	1		0 VA	0 VA		1	20 A	Spare	#22
#23	(S) B-01 - B-2	20 A	1			720 VA	0 VA	1	20 A	Spare	#24
#25	RESERVED FOR SHUNT TRIP	20 A	1	0 VA	0 VA			1	20 A	Spare	#26
#27	B-02 - WF-1	20 A	1		667 VA	0 VA		1	20 A	Spare	#28
#29	B-02 - UH-1 (2#12 + 1#12 G, 3/4"C)	20 A	2			1500 VA	0 VA	1	20 A	Spare	#30
#31				1500 VA	0 VA			1	20 A	Spare	#32
#33	B-02 - WF-1	20 A	1		667 VA	0 VA		1	20 A	Spare	#34
#35	B-02 - EUH-1 (2#12 + 1#12 G, 3/4"C)	20 A	2			1500 VA	0 VA	1	20 A	Spare	#36
#37				1500 VA	0 VA			1	20 A	Spare	#38
#39	Spare	20 A	2		0 VA	0 VA	2	20 A	Spare	#40
#41						0 VA	0 VA				#42
			Total Load:	15017 VA	13178 VA	14730 VA				
			Total Amps:	127 A	110 A	125 A				

Legend:
(A) - Denotes AFCI Circuit Breaker
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(D) - Denotes Integrated Electronic Submeter
(L) - Denotes LOCKABLE Type Circuit Breaker
(N) - Denotes NEW Circuit Breaker
(S) - Denotes SHUNT TRIP Circuit Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	42025 VA	85.00%	35721 VA		
Power	900 VA	80.00%	720 VA	**Total Conn. Load:**	42925 VA
				Total Est. Demand:	36441 VA
				Total Conn.:	119 A
				Total Est. Demand:	101 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

Branch Panel: LP-2-M

Location: 203 - ELEC
Supply From: DP-2-M
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
#1	203 - UH-1 (2#10 + 1#10 G, 3/4"C)	20 A	2	1500 VA	228 VA		1	20 A	Lower Roof - TXF-5	#2
#3					1500 VA	420 VA	1	20 A	Lower Roof - TXF-3	#4
#5	200 - VAV's	20 A	1			300 VA	228 VA	1	20 A	Lower Roof - TXF-4	#6
#7	214 - VAV's	20 A	1	150 VA	0 VA			1	20 A	Spare	#8
#9	204,205,206,208,209 - VAV's	20 A	1		300 VA	0 VA		1	20 A	Spare	#10
#11	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	#12
#13	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	#14
#15	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	#16
#17	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	#18
#19	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	#20
#21	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	#22
#23	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	#24
#25	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	#26
#27	Spare	20 A	1		0 VA	0 VA	2	20 A	Spare	#28
#29	Spare	20 A	1			0 VA	0 VA				#30
			Total Load:	1878 VA	2220 VA	528 VA				
			Total Amps:	17 A	20 A	4 A				

Legend:
(A) - Denotes AFCI Circuit Breaker
(B) - Denotes GFCI Circuit Breaker
(C) - Denotes GFPE Circuit Breaker
(D) - Denotes Integrated Electronic Submeter
(L) - Denotes LOCKABLE Type Circuit Breaker
(N) - Denotes NEW Circuit Breaker
(S) - Denotes SHUNT TRIP Circuit Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4626 VA	85.00%	3932 VA		
				Total Conn. Load:	4626 VA
				Total Est. Demand:	3932 VA
				Total Conn.:	13 A
				Total Est. Demand:	11 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

ELECTRICAL SCHEDULES GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE ONLY. ACTUAL CIRCUITS SHOWN SHALL MATCH FIELD CONDITIONS.
3. PROVIDE OVERSIZED LUGS (QUANTITIES AND SIZES) TO MATCH THE BRANCH CIRCUIT OR FEEDER OF ALL PANELBOARDS.
4. THE CONTRACTOR SHALL COORDINATE TOP OR BOTTOM FEEDER ENTRY INTO ALL PANELBOARDS PRIOR TO SUBMITTING SHOP DRAWINGS.
5. CONDUCTORS SHALL BE SIZED TO OVERCOME VOLTAGE DROP AS FOLLOWS:
   A. FOR [120V,1P] ; [208V,2P] ; [208V,3P] BRANCH CIRCUITS, UTILIZE:
      a. #12 AWG CONDUCTORS UP TO 100 FEET.
      b. #10 AWG CONDUCTORS FOR 101 TO 200 FEET.
      c. #8 AWG CONDUCTORS FOR 201 TO 300 FEET.
      d. #6 AWG CONDUCTORS FOR 301 TO 400 FEET.
6. ALL PANELBOARDS PROVIDED WITH MAIN CIRCUIT BREAKERS SHALL HAVE THE MCB'S INSTALLED VERTICALLY AND BE ADJUSTABLE.

LP-1-K (S2)	DP-1-M	DP-2-M
LP-2-1	LP-1-M	LP-2-M

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IN CHARGE OF JOSEPH DELPOZZO
CHECKED BY JOSEPH DELPOZZO
MADE BY FELIPE GOMEZ

Revision	Date	Description
	08/08/2025	90% CD
	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION
☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME:
SIGNATURE:
TITLE:

PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL SCHEDULE SHEET #2

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-602
SHEET 130 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-503-0
REV NO.: 0

Branch Panel: ULP-IT

Location: 103 - ELEC
Supply From: UPS
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 125 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
#1	102 - Quad Receptacle	20 A	1	1500 VA	1500 VA					1	20 A	202 - Quad Receptacle	#2
#3	102 - Quad Receptacle	20 A	1			1500 VA	1500 VA			1	20 A	202 - Quad Receptacle	#4
#5	102 - Quad Receptacle	20 A	1					1500 VA	1500 VA	1	20 A	202 - Quad Receptacle	#6
#7	102 - Quad Receptacle	20 A	1	1500 VA	1500 VA					1	20 A	202 - Quad Receptacle	#8
#9	102 - Quad CLG MTD Receptacle	20 A	1			1500 VA	1500 VA			1	20 A	202 - Quad CLG MTD Receptacle	#10
#11	102 - Quad CLG MTD Receptacle	20 A	1					1500 VA	1500 VA	1	20 A	202 - Quad CLG MTD Receptacle	#12
#13	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	#14
#15	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	#16
#17	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	#18
#19	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	#20
#21	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	#22
#23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	#24
#25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	#26
#27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	#28
#29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	#30
#31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	#32
#33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	#34
#35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	#36
#37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	#38
#39	Spare	30 A	2			0 VA	0 VA			2	30 A	Spare	#40
#41								0 VA	0 VA				#42
	Total Load:			6000 VA		6000 VA		6000 VA					
	Total Amps:			50 A		50 A		50 A					

Legend:
(A) - Denotes AFCI Circuit Breaker
(B) - Denotes GFCI Circuit Breaker
(C) - Denotes GFPE Circuit Breaker
(D) - Denotes Integrated Electronic Submeter
(L) - Denotes LOCKABLE Type Circuit Breaker
(N) - Denotes NEW Circuit Breaker
(S) - Denotes SHUNT TRIP Circuit Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	18000 VA	80.00%	14400 VA		
				Total Conn. Load:	18000 VA
				Total Est. Demand:	14400 VA
				Total Conn.:	50 A
				Total Est. Demand:	40 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.

Branch Panel: DP-PV

Location: 214A - PV CLOSET
Supply From: MS-1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 42 kAIC
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	PV-INV-1			0 VA	0 VA							PV-INV-2	2
3	17.3 kW INVERTER	60 A	3			0 VA	0 VA			3	60 A	17.3 kW INVERTER	4
5	(4#6 + 1#10 G, 1"C)							0 VA	0 VA			(4#6 + 1#10 G, 1"C)	6
7	PV-INV-3			0 VA	0 VA							PV-INV-4	8
9	17.3 kW INVERTER	60 A	3			0 VA	0 VA			3	60 A	17.3 kW INVERTER	10
11	(4#6 + 1#10 G, 1"C)							0 VA	0 VA			(4#6 + 1#10 G, 1"C)	12
13	PV-INV-5			0 VA	0 VA							PV-INV-6	14
15	17.3 kW INVERTER	60 A	3			0 VA	0 VA			3	60 A	17.3 kW INVERTER	16
17	(4#6 + 1#10 G, 1"C)							0 VA	0 VA			(4#6 + 1#10 G, 1"C)	18
19	PV-INV-7			0 VA	0 VA							PV-INV-8	20
21	17.3 kW INVERTER	60 A	3			0 VA	0 VA			3	60 A	17.3 kW INVERTER	22
23	(4#6 + 1#10 G, 1"C)							0 VA	0 VA			(4#6 + 1#10 G, 1"C)	24
25	Space			--	0 VA							SPD	26
27		--	3			--	0 VA			3	30 A	Surge Protective Device	28
29								--	0 VA				30
	Total Load:			0 VA		0 VA		0 VA					
	Total Amps:			0 A		0 A		0 A					

Legend:
(A) - Denotes AFCI Circuit Breaker
(B) - Denotes GFCI Circuit Breaker
(C) - Denotes GFPE Circuit Breaker
(D) - Denotes Integrated Electronic Submeter
(L) - Denotes LOCKABLE Type Circuit Breaker
(N) - Denotes NEW Circuit Breaker
(S) - Denotes SHUNT TRIP Circuit Breaker

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

Notes:

Branch Panel: ELP-1-L

Location: 103 - ELEC
Supply From: ATS #3
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Neutral: 100%

A.I.C. Rating: 42 kAIC
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
NEW

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
#1	115 - JP-C-1			793 VA	0 VA					1	20 A	Spare	#2
#3	(3#12 + 1#12 G, 3/4"C)	20 A	3			793 VA	100 VA			1	20 A	2nd Floor - FSD's	#4
#5								793 VA	480 VA	1	20 A	(L) Fire Alarm Control Pnl (FACP)	#6
#7	B-02, B-03 - FSD's	20 A	1	100 VA	792 VA					1	20 A	2nd Floor - Emergency Lighting	#8
#9	105 - Emergency Lighting	20 A	1			71 VA	50 VA			1	20 A	2nd Floor - Exit Signs	#10
#11	105 - Exit Signs	20 A	1					15 VA	200 VA	1	20 A	Stair 2ST1 & 2ST2 EM Lighting	#12
#13	104 - Emergency Light	20 A	1	15 VA	600 VA					1	20 A	202 - Data Gathering Pnl (DGP)	#14
#15	180 - Emergency Light	20 A	1			15 VA	35 VA			1	20 A	1st Floor - SouthEast Exit Signs	#16
#17	1st Floor - Emergency Lighting	20 A	1					784 VA	648 VA	1	20 A	1st Floor - South Emergency Ltg	#18
#19	1st Floor - Exterior & BOH EM Ltg	20 A	1	202 VA	191 VA					1	20 A	1st Floor - SouthEast EM Ltg	#20
#21	1st Floor - Exit Signs	20 A	1			70 VA	60 VA			1	20 A	200 - Emergency Lighting	#22
#23	Spare	20 A	1					0 VA	200 VA	1	20 A	FAA Lighting Fixtures	#24
#25	GENERATOR PANELBOARD			8000 VA	0 VA							SPD	#26
#27	(4#3 + 1#8 G, 1-1/4"C)	100 A	3			8000 VA	0 VA			3	30 A	Surge Protective Device	#28
#29								8000 VA	0 VA				#30
	Total Load:			10690 VA		9189 VA		11116 VA					
	Total Amps:			91 A		77 A		95 A					

Legend:
(A) - Denotes AFCI Circuit Breaker
(B) - Denotes GFCI Circuit Breaker
(C) - Denotes GFPE Circuit Breaker
(D) - Denotes Integrated Electronic Submeter
(L) - Denotes LOCKABLE Type Circuit Breaker
(N) - Denotes NEW Circuit Breaker
(S) - Denotes SHUNT TRIP Circuit Breaker

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2379 VA	85.00%	2022 VA		
Other	600 VA	100.00%	600 VA	**Total Conn. Load:**	30995 VA
Spare	24000 VA	100.00%	24000 VA	**Total Est. Demand:**	30502 VA
Power	680 VA	80.00%	544 VA	**Total Conn.:**	86 A
Lighting	3341 VA	100.00%	3341 VA	**Total Est. Demand:**	85 A

Notes:
1. ALL BRANCH CIRCUITS SHALL BE 2#12 + 1#12 G, 3/4"C, U.O.N.
2. 20A,1P CIRCUIT BREAKER SERVING FIRE ALARM CONTROL PANEL SHALL BE RED IN COLOR.

ATS PRIORITY SCHEDULE

ATS	RATING (AMPS)	LOAD SERVED	PRIORITY	LOAD CLASSIFICATION	REMARKS
1	800	ATS #1 - DP-1-M	2	ESSENTIAL	
2	800	ATS#2 - DP-1	3	OPTIONAL	
3	200	ATS#3 - ELP-1-L	1	LIFE SAFETY	
4	-	FIRE PUMP CONTROLLER / ATS	1	LIFE SAFETY	ATS/CONTROLLER BY OTHERS

GENERAL NOTES:
ALL ATS CONTROL WIRING SHALL BE INDIVIDUALLY CONNECTED TO THE GENERATOR. DAISY CHAINING IS UNACCEPTABLE.

ELECTRICAL SCHEDULES GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE ONLY. ACTUAL CIRCUITS SHOWN SHALL MATCH FIELD CONDITIONS.
3. PROVIDE OVERSIZED LUGS (QUANTITIES AND SIZES) TO MATCH THE BRANCH CIRCUIT OR FEEDER OF ALL PANELBOARDS.
4. THE CONTRACTOR SHALL COORDINATE TOP OR BOTTOM FEEDER ENTRY INTO ALL PANELBOARDS PRIOR TO SUBMITTING SHOP DRAWINGS.
5. CONDUCTORS SHALL BE SIZED TO OVERCOME VOLTAGE DROP AS FOLLOWS:
   A. FOR [120V,1P] ; [208V,2P] ; [208V,3P] BRANCH CIRCUITS, UTILIZE:
      a. #12 AWG CONDUCTORS UP TO 100 FEET.
      b. #10 AWG CONDUCTORS FOR 101 TO 200 FEET.
      c. #8 AWG CONDUCTORS FOR 201 TO 300 FEET.
      d. #6 AWG CONDUCTORS FOR 301 TO 400 FEET.
6. ALL PANELBOARDS PROVIDED WITH MAIN CIRCUIT BREAKERS SHALL HAVE THE MCB'S INSTALLED VERTICALLY AND BE ADJUSTABLE.

ULP-IT	DP-PV	ELP-1-L
ATS PRIORITY	--	--

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DATE: 09/02/2026

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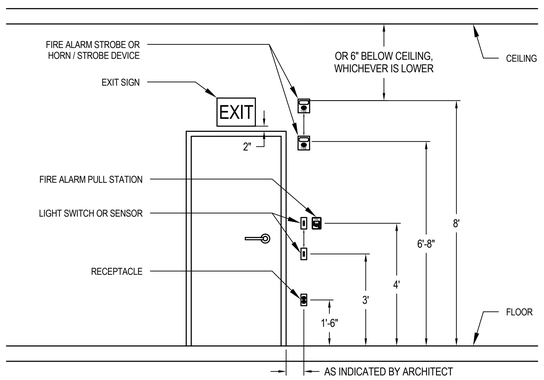
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TITLE:

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL SCHEDULE SHEET #3

CONTRACT NUMBER 25-532
SHEET NUMBER E-603
SHEET 131 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-504-0
REV NO. 0

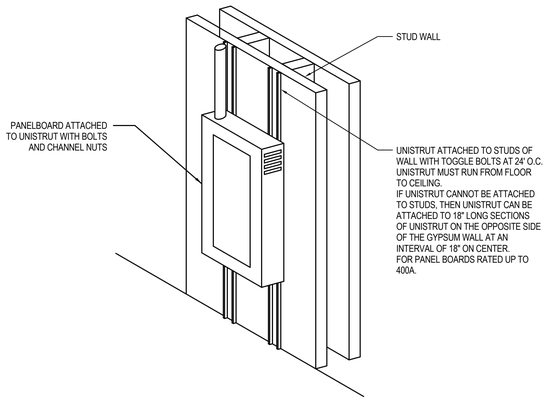
ELECTRICAL GENERAL AND GROUNDING DETAILS



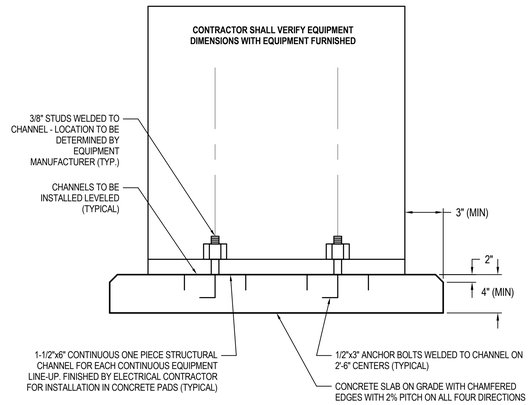
NOTES:

1. ALL MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT / DEVICES SHALL CONFORM TO ADA REQUIREMENTS.
2. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS WITH THE ARCHITECT BEFORE INSTALLATION.
3. REFER TO SPECIFICATION 260501 FOR ADDITIONAL INFORMATION.

1 TYPICAL MOUNTING HEIGHTS DETAIL
SCALE:N.T.S.



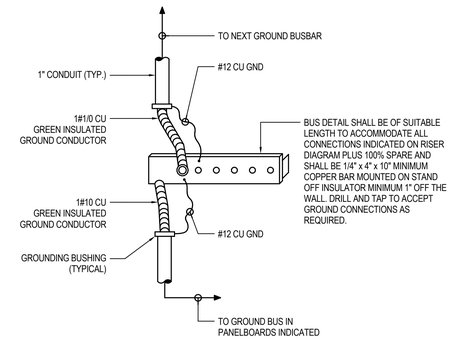
2 MOUNTING REQUIREMENTS FOR PANELBOARD INSTALLATION ATTACHED TO STUD WALLS
SCALE:N.T.S.



NOTES:

1. TYPICAL ANCHOR DETAIL FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.

3 EQUIPMENT HOUSEKEEPING PAD DETAIL
SCALE:N.T.S.



4 ELECTRIC CLOSET GROUND BUSBAR DETAIL
SCALE:N.T.S.

5 WALL MOUNTED COPPER GROUND BUSBAR DETAIL
SCALE:N.T.S.

NOTES:

1. BREAKER AND BUS ARRANGEMENT SHOWN FOR ILLUSTRATION PURPOSES ONLY. REFER TO PLANS AND SPECIFICATIONS FOR SPECIFIC BREAKER ARRANGEMENTS.
2. REFER TO SPECIFICATIONS FOR COMPRESSION LUG REQUIREMENTS.

6 SWITCHBOARD GROUNDING DETAIL
SCALE:N.T.S.

7 MAIN GROUND BUSBAR DETAIL
SCALE:N.T.S.

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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

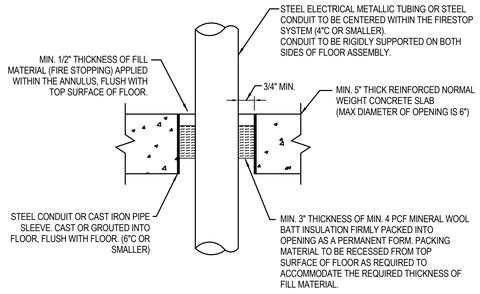
ELECTRICAL DETAILS SHEET #1

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-700
SHEET 132 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-E-505-0
REV NO.: 0

ELECTRICAL PENETRATION AND HEAT MAT DETAILS

SYSTEM NO. C-AJ-1009

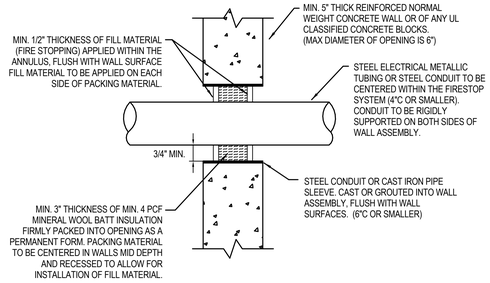
(FORMERLY SYSTEM NO. 122)
F RATING -- 2 HR
T RATING -- 0 HR
L RATING AT AMBIENT -- LESS THAN 1 CFM/sq ft
L RATING AT 400° F -- LESS THAN 1 CFM/sq ft



1 CONDUIT PENETRATION THRU FIRE-RATED CONCRETE SLAB
SCALE:N.T.S.

SYSTEM NO. C-AJ-1009

(FORMERLY SYSTEM NO. 122)
F RATING -- 2 HR
T RATING -- 0 HR
L RATING AT AMBIENT -- LESS THAN 1 CFM/sq ft L
RATING AT 400° F -- LESS THAN 1 CFM/sq ft

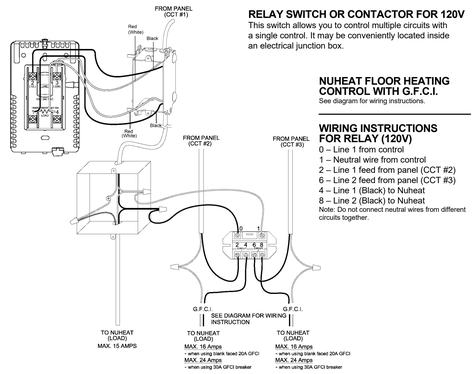


2 CONDUIT PENETRATION
THRU FIRE-RATED CONCRETE OR BLOCK WALL
SCALE:N.T.S.

Nuheat

Thermostat Wiring: 120V

FOR SIGNATURE, HOME AND ELEMENT THERMOSTATS



RELAY SWITCH OR CONTACTOR FOR 120V
This switch allows you to control multiple circuits with a single control. It may be conveniently located inside an electrical junction box.

NUHEAT FLOOR HEATING CONTROL WITH G.F.C.I.
See diagram for wiring instructions.

WIRING INSTRUCTIONS FOR RELAY (120V)
0 – Line 1 from control
1 – Neutral wire from control
2 – Line 1 feed from panel (CCT #2)
6 – Line 2 feed from panel (CCT #3)
4 – Line 1 (Black) to Nuheat
8 – Line 2 (Black) to Nuheat
Note: Do not connect neutral wires from different circuits together.

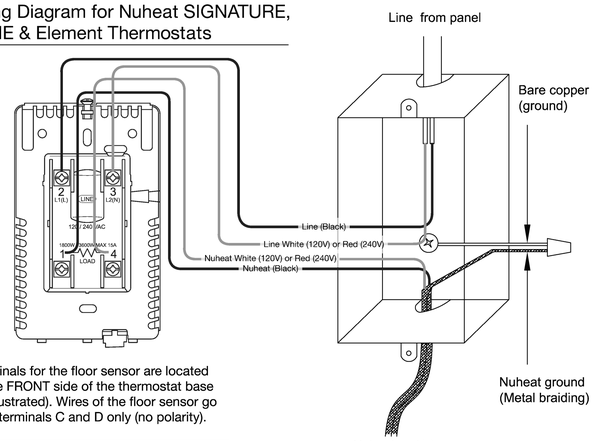
NORTH AMERICA
Tel: +1.800.778.9276
Fax: +1.604.529.4404
res.customercare@pentair.com

Pentair assumes no responsibility for field wiring. Please consult a certified electrician for further instruction if needed. Wiring must be in accordance with national and local electrical codes. Wiring methods may differ for each control, please consult manufacturer's instructions for actual specifications.

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Wiring Diagram for Nuheat SIGNATURE, HOME & Element Thermostats



Terminals for the floor sensor are located on the FRONT side of the thermostat base (not illustrated). Wires of the floor sensor go into terminals C and D only (no polarity).

NUHEAT INDUSTRIES LTD. ASSUMES NO RESPONSIBILITY FOR FIELD WIRING. PLEASE CONSULT A CERTIFIED ELECTRICIAN FOR FURTHER INSTRUCTION IF NEEDED. WIRING MUST BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES. WIRING METHODS MAY DIFFER FOR EACH CONTROL, PLEASE CONSULT MANUFACTURER'S INSTRUCTIONS FOR ACTUAL SPECIFICATIONS.

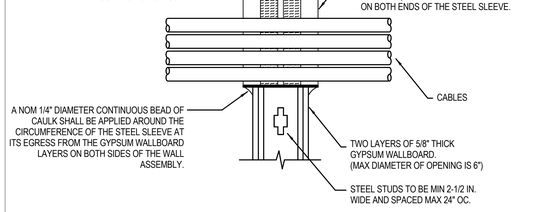
Updated December 2015

Nuheat mat(s)
15.0 Amp maximum per thermostat
(without use of relay switch)

6 125 - K9 - KENNEL SPACE - ELECTRIC HEATING MAT
NUHEAT WIRING DIAGRAMS
SCALE:N.T.S.

SYSTEM NO.W-L-3032

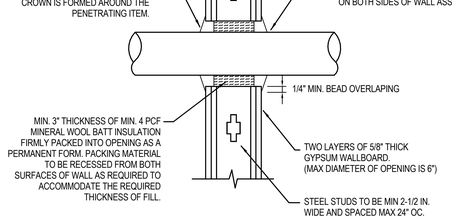
(FORMERLY SYSTEM NO. 590)
F RATINGS - 1 AND 2 HR
T RATING - 0 AND 1/4 HR
L RATING AT AMBIENT - 76 CFM/SQ FT
L RATING AT 400 F - 7 CFM/SQ FT



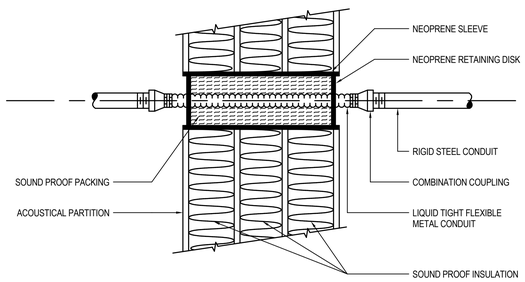
3 CONDUIT PENETRATION
THRU FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY
SCALE:N.T.S.

SYSTEM NO. W-L-1009

(FORMERLY SYSTEM NO. 242)
F RATING-- 2 HR
T RATING--0 HR
L RATING AT AMBIENT--LESS THAN 1 CFM/sq ft (SEE ITEM 3B)
L RATING AT 400° F--LESS THAN 1 CFM/sq ft (SEE ITEM 3B)



4 CONDUIT PENETRATION
THRU FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY
SCALE:N.T.S.



5 ACOUSTICAL PARTITION PENETRATION DETAIL
SCALE:N.T.S.

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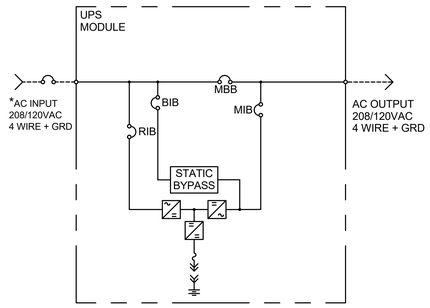
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ELECTRICAL DETAILS SHEET #2

CONTRACT NUMBER 25-532
SHEET NUMBER E-701
SHEET 133 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-506-0
REV NO. 0

ELECTRICAL UPS AND EXTERIOR SITE DETAILS



NOTES:

1. INSTALL IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
2. A NEUTRAL IS REQUIRED FROM THE SYSTEM AC INPUT SOURCE. A FULL CAPACITY NEUTRAL CONDUCTOR IS REQUIRED. GROUNDING CONDUCTORS ARE REQUIRED.
3. UPS SYSTEM INPUT AND OUTPUT CABLES MUST BE RUN IN SEPARATE CONDUITS.
4. CONTROL WIRING MUST BE RUN IN SEPARATE CONDUITS.

BIB - BYPASS ISOLATION BREAKER

MBB - MAINTENANCE BYPASS BREAKER

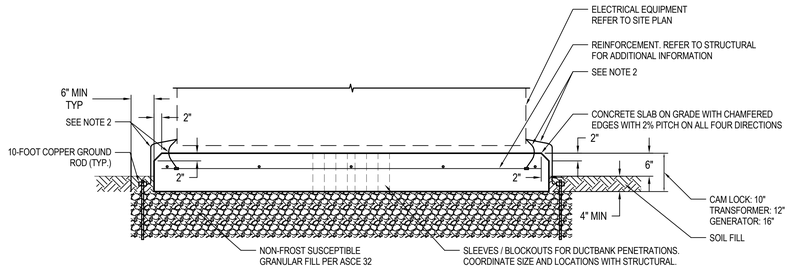
MIB - MAINTENANCE ISOLATION BREAKER

RIB - RECTIFIER INPUT BREAKER

*EXTERNAL OVERCURRENT PROTECTION BY OTHERS

---------- FIELD SUPPLIED WIRING

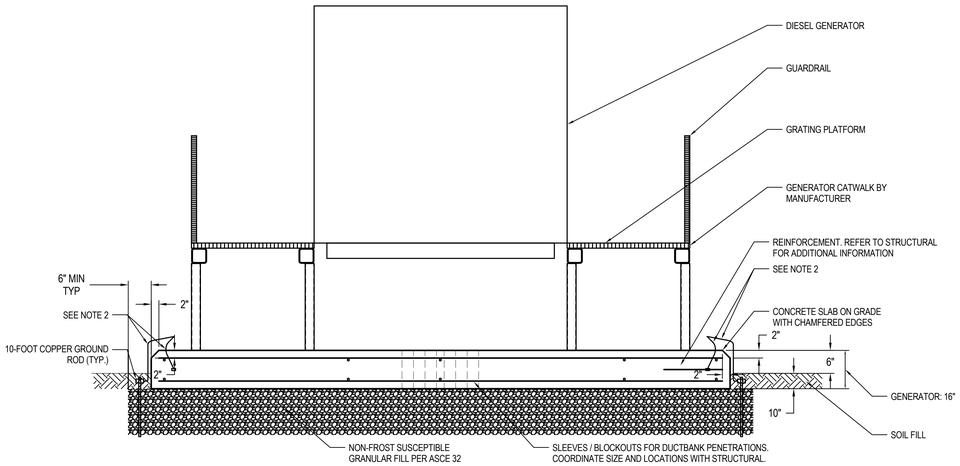
1 ONE-LINE DIAGRAM SINGLE INPUT (10kVA-30kVA LIEBERT EXS OR APPROVED EQUAL)
SCALE:N.T.S.



NOTES:

1. REFER TO THE STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL DETAILS.
2. REINFORCEMENT SHALL BE MADE ELECTRICALLY CONTINUOUS. COORDINATE WITH STRUCTURAL TO PROVIDE ONE REINFORCING BAR AT THE PAD EDGE FOR GROUNDING CONNECTION. BONDING AND GROUNDING BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH THE NEC.

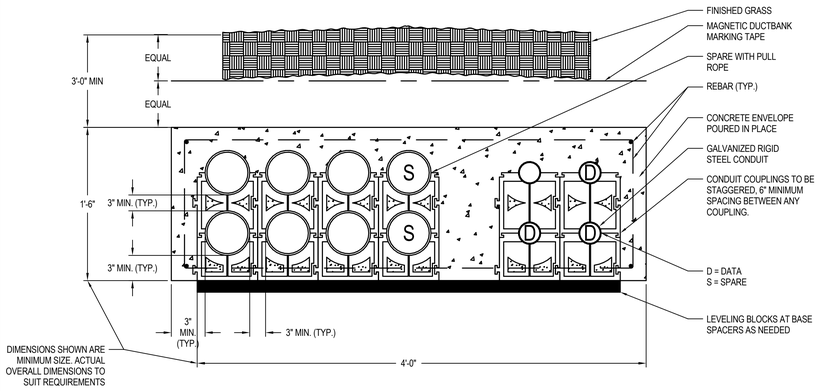
2 EQUIPMENT PAD ON GRADE
SCALE:N.T.S.



NOTES:

1. REFER TO THE STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL DETAILS.
2. REINFORCEMENT SHALL BE MADE ELECTRICALLY CONTINUOUS. COORDINATE WITH STRUCTURAL TO PROVIDE ONE REINFORCING BAR AT THE PAD EDGE FOR GROUNDING CONNECTION. BONDING AND GROUNDING BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH THE NEC.

3 SECTION AT GENERATOR & CATWALK
SCALE:N.T.S.



NOTES:

1. EXACT QUANTITIES OF CONDUITS PER SIZES INDICATED ON THE RISER DIAGRAM.

4 CONCRETE ENCASED CONDUIT BANK DETAIL
SCALE:N.T.S.

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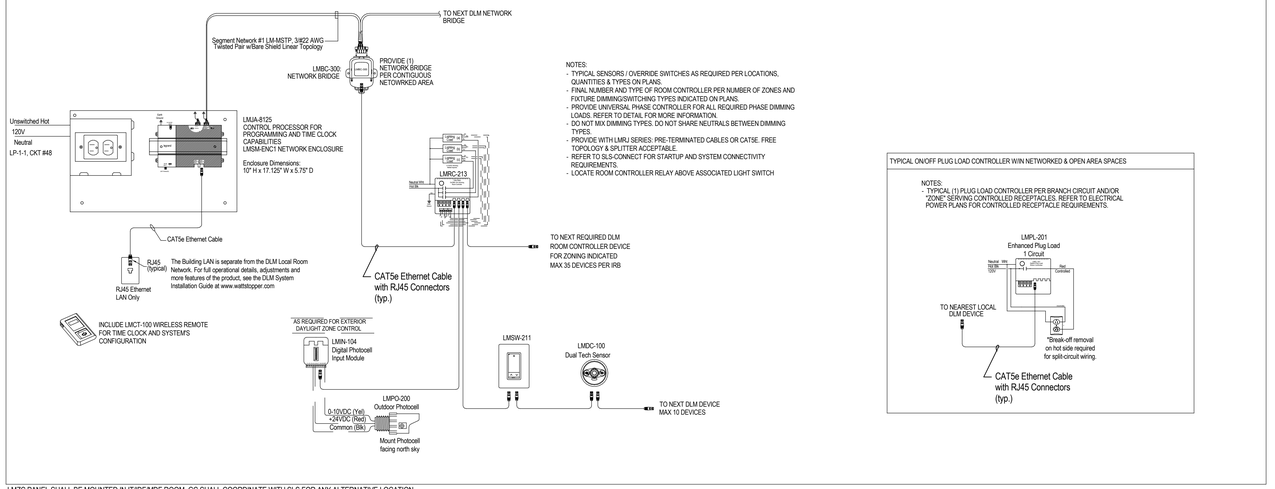
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ELECTRICAL DETAILS SHEET #3

CONTRACT NUMBER 25-532
SHEET NUMBER E-702
SHEET 134 of 162
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REV NO. 0

ELECTRICAL LIGHTING CONTROLS DETAILS

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED CONTROL SOLUTION: LMJA-9000 CONTROL PROCESSOR WITH TIME-CLOCK CAPABILITIES

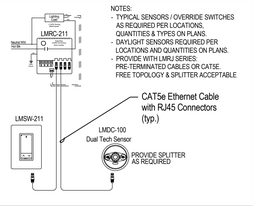


LMZC PANEL SHALL BE MOUNTED IN IT/IDF/MDF ROOM. GC SHALL COORDINATE WITH SLS FOR ANY ALTERNATIVE LOCATION.
TYPICAL FOR EXTERIOR LIGHTING, VESTIBULE, LOBBY, CORRIDOR, IDS TRAIN ROOM, REQUIRED RECEPTACLE CONTROL

TYPICAL ON/OFF PLUG LOAD CONTROLLER W/IN NETWORKED & OPEN AREA SPACES

NOTES:
- TYPICAL (1) PLUG LOAD CONTROLLER PER BRANCH CIRCUIT AND/OR "ZONE" SERVING CONTROLLED RECEPTACLES. REFER TO ELECTRICAL POWER PLANS FOR CONTROLLED RECEPTACLE REQUIREMENTS.

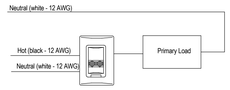
TYPICAL (1) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



NOTES:
- TYPICAL SENSORS / OVERRIDE SWITCHES AS REQUIRED PER LOCATIONS, QUANTITIES & TYPES ON PLANS.
- DAYLIGHT SENSORS REQUIRED PER LOCATIONS AND QUANTITIES ON PLANS.
- PROVIDE WITH LMRJ SERIES: PRE-TERMINATED CABLES OR CAT5E. FREE TOPOLOGY & SPLITTER ACCEPTABLE

TYPICAL FOR USDA, IDS MENS LOCKERS, IDS WOMENS LOCKERS, MENS ROOM, WOMENS ROOM, IDS OFFICE, BOILER ROOM

TYPICAL (1) ZONE STANDALONE SPACE (NON-DIMMING) - LINE VOLTAGE SENSOR/SWITCH



DSW-301
DUAL-TECH OCCUPANCY SENSOR SWITCH
120VAC, 0-1000W DRIVER
240/277VAC, 0-1200W DRIVER

TO BE MOUNTED IN A 1 GANG ELECTRICAL BACKBOX
RWG-26-TBO 1 GANG FACEPLATE

TYPICAL FOR TELECOM ROOM, ELECTRIC CLOSET, SMALL CLOSETS,

LEVEL 1 - BUILDING 1

DLM RULES & BEST PRACTICES

DLM INSIDE THE ROOM

- Always power Room Controllers with a constant hot (unswitched) circuit
- Use WS LMRJ-xx Cat 5e cables for reliable communication.
- No more than 4 total 100 series room controllers (RCs) LMRC-10x / LMPL-101 / LMPB-100 on a DLM Cat 5e Room Network (aka IRB "In Room Bus"). Other DLM RCs and LMCPs have smart power supplies, so you can have a DLM max of 64 loads or 48 devices. (IRBs with only 100 series RCs have a max of 24 devices and 8 loads.)
- Check total mA consumption of DLM devices against total current available from all LMRCs, LMCPs & LMZCs on the Cat 5e network to a max of 800mA . LMRC-10x / LMPL-100 / LMPB-100 will not limit their 150mA current which is why their 4 unit max. Other LMRCs, LMCPs & LMZCs will limit their current on Cat 5e room network to ≤ 800mA.
- Don't overload rooms: DLM allows 150' Cat 5e (free topology) per intelligent DLM device, to a max of 1,000' per IRB. Suggest rooms have < 32 loads (and never more than 4 total 100 series RCs and < 24 DLM devices unless reviewed by Project Management.
- 2 & 3 Relay Room Controllers are for multi-level lighting or multiple zones inside a room, not multiple rooms. Rooms ideally should have only one "occupancy state". Multiple occupancy zones in a room are possible, but makes setup more challenging.
- LMLS units require another DLM device (LMCP, OS, etc...) to set initial On state, else set Load to "Auto On" in LMCS.
- Assume Power Booster (LMRC-2XXULMPB-100) Device Required per 10 DLM Devices.

Max mA Draw per Network Without Supplemental Power (i.e. Room Controllers)	250 mA	250 mA
Max mA Draw per Network With Supplemental Power (i.e. Room Controllers)	800 mA	800 mA
Max # of Devices per Network	35	35
Max loads (Zones) across **BOTH** Networks (A/B)	64	64

Current Consumption	
Device	Current Draw
Sensors	20 mA
LMIN-104	20 mA
LMDI-100	15mA
LMOR-102	10 mA
LMRL-100	7 mA
Daylight	7 mA
Switches	5 mA

DLM NETWORKING (via MS/TP or "Segment Wire")

- ONLY USE WS LM-MSTP CABLE for DLM Networking.
- Only one Network Bridge per room. LMCPs and LMZCs have this device on their LMPI intelligence card. Do not run LM-MSTP to multiple floors (except for LMCP panel only runs). Locate LMSM-3E or a NB-ROUTER at start of all LM-MSTP runs on a network project, and ONLY ground shield there. MS/TP wire cannot exceed 4,000' and must be run in daisy chain topology to all rooms/panels. Pay close attention on how LM-MSTP connects to DLM networking devices and where terminating resistors are required (see device installation instructions and TB-179.2).
- WS Networks are defined and limited as follows:
  - BASIC : LMSM-3E with up to 3 LM-MSTP segment runs. Each segment limited to max 40 Rooms / 250 DLM devices. Integration only via LMSM Export Table.
  - ADVANCED : LMSM-4E with NB-ROUTERs and an NB-SWITCH (can connect to max 250 Rooms / 1000 DLM devices). Integration other than via Export Table is Advanced. Advanced requires WS PM review!

DLM LMCP RELAY PANEL

- Panels are basically large RCs, but DO NOT connect multiple panels with Cat 5e wire - use Network Bridges.
- Each LMCP Panel provides 2 separate Cat 5e IRB networks, each allowing max 47 DLM devices. Max loads for all relays in panel and in RCs stays max 64.
-
- Panels use below equivalency table when connecting to a LMSM (to calculate allowed segment room/device limits):
  - LMZC-301 panel = 1 processors / 10 devices
  - LMCP-8 panel = 3 processors / 20 devices
  - LMCP-24 panel = 5 processors/ 30 devices
  - LMCP-48 panel = 7 processors/ 40 devices

DIMMING COMPATIBILITY:

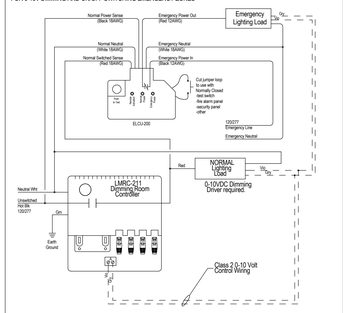
Contractor shall coordinate and confirm dimming compatibility of all lighting controls devices with final approved lighting fixture submittal documents. SLS shall not be held responsible for compatibility issues if not provided with all applicable approved documentation.

Prior to purchase and install, contractor shall coordinate and confirm an exact match between the led array, driver and controls devices. SLS cannot guarantee compatibility or performance prior to dimming type confirmation.

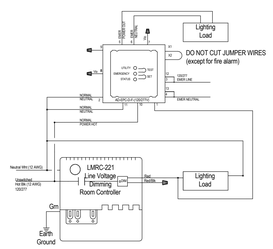
Prior to purchase and install, coordinate with system manufacturer for confirmation of compatibility and any required testing that may be required.a testing request with system manufacturer may be required.

TYPICAL EMERGENCY LOAD SIDE RELAY DEVICE DETAIL

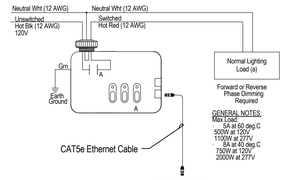
TYPICAL ELCU-200 AS REQUIRED
FOR 0-10V DIMMING AND ON/OFF SWITCHING EMERGENCY ZONES



TYPICAL EPC-D-F-ATS
AS REQUIRED FOR PHASE DIMMING EMERGENCY ZONES

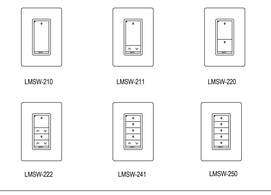


REQUIRED FOR UNIVERSAL PHASE DIMMING LOADS:



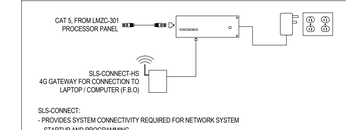
GENERAL NOTES:
Max Load:
- 5A at 60 deg.C 500W at 120V 1100W at 277V
- 5A at 40 deg.C 750W at 120V 2000W at 277V

LMSW-200 SERIES KEYPAD OPTIONS



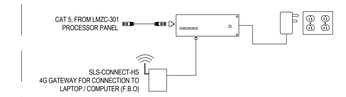
CONTRACTORS TO CONTACT ELECTRICAL DISTRIBUTORS FOR LIGHTING CONTROL SYSTEM QUOTATION / PRICING. ALL OTHER LIGHTING CONTROL SYSTEM INQUIRIES TO BE DIRECTED TOWARD PATRICK CLARKE (PCLARKE@SLSTG.COM) AT SLS CONTROLS.

SLS-CONNECT (CONNECTED TO LMPI PROCESSOR)



SLS-CONNECT:
- PROVIDES SYSTEM CONNECTIVITY REQUIRED FOR NETWORK SYSTEM STARTUP AND PROGRAMMING
- CONTRACTOR SHALL PROVIDE DEDICATED 120V/1P/20A QUAD OUTLET (F.B.O) WITHIN 6' OF SLS-CONNECT.
- PROVIDE WITH LEGRAND LMCI-100 (RJ45 TO USB) DLM COMPUTER INTERFACE FOR CAT5 ONLY WIRING METHOD.
- PROVIDE NB-ROUTER WHEN MSTP WIRING METHOD IS USED.
- SLS-CONNECT-HS HOTSPOT SHALL BE LOCATED WITHIN 6' OF NB-ROUTER AND PROCESSOR PANEL.
- 12 MONTHS OF VERIZON 4G ACCESS INCLUDED. COORDINATE COLLECTION OF COMPUTER OR ANY EXTENDED SERVICE CONTRACT AND/OR BMS INTEGRATION REQUIREMENTS WITH SLS PRIOR TO BID, PURCHASE AND INSTALL.

SLS CONNECT (CONNECTED TO LMJA PROCESSOR)



SLS-CONNECT:
- PROVIDES SYSTEM CONNECTIVITY REQUIRED FOR NETWORK SYSTEM STARTUP AND PROGRAMMING
- CONTRACTOR SHALL PROVIDE DEDICATED 120V/1P/20A QUAD OUTLET (F.B.O) WITHIN 6' OF SLS-CONNECT.
- PROVIDE WITH LEGRAND LMCI-100 (RJ45 TO USB) DLM COMPUTER INTERFACE.
- SLS-CONNECT-HS HOTSPOT SHALL BE LOCATED WITHIN 6' OF NB-ROUTER AND PROCESSOR PANEL.
- 12 MONTHS OF VERIZON 4G ACCESS INCLUDED. COORDINATE COLLECTION OF COMPUTER OR ANY EXTENDED SERVICE CONTRACT AND/OR BMS INTEGRATION REQUIREMENTS WITH SLS PRIOR TO BID, PURCHASE AND INSTALL.

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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

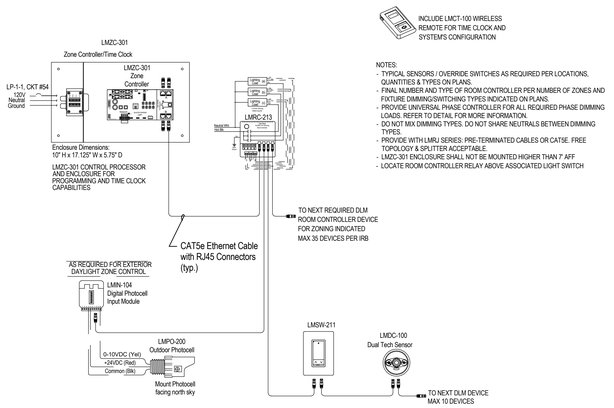
ELECTRICAL LIGHTING CONTROL DETAILS SHEET #1

CONTRACT NUMBER 25-532
SHEET NUMBER E-703
SHEET 135 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-508-0
REV NO. 0

ELECTRICAL LIGHTING CONTROLS DETAILS

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED SOLUTION: LMZC-301 ZONE CONTROLLER FOR TIME CONTROL CAPABILITIES

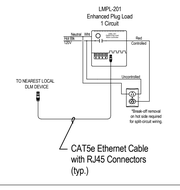
BUILDING SPACE



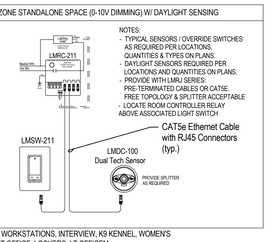
LMZC PANEL SHALL BE MOUNTED IN IT/IDF/MDF ROOM. GC SHALL COORDINATE WITH SLS FOR ANY ALTERNATIVE LOCATION.
TYPICAL FOR POLICE DEPARTMENT EXTERIOR LIGHTING, HALLWAY, VESTIBULE, LUNCH AREA, GYM, REQUIRED RECEPTACLE CONTROL

TYPICAL ON/OFF PLUG LOAD CONTROLLER W/IN NETWORKED & OPEN AREA SPACES

NOTES:
- TYPICAL (1) PLUG LOAD CONTROLLER PER BRANCH CIRCUIT AND/OR "ZONE" SERVING CONTROLLED RECEPTACLES. REFER TO ELECTRICAL POWER PLANS FOR CONTROLLED RECEPTACLE REQUIREMENTS.

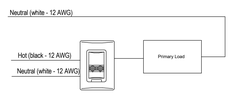


TYPICAL (1) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



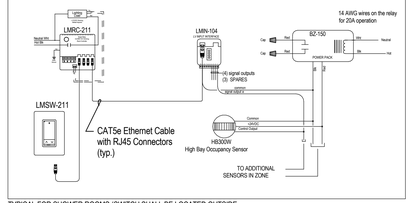
TYPICAL FOR WORKSTATIONS, INTERVIEW, K9 KENNEL, WOMEN'S LOCKERS, SGT OFFICE, LOCKERS, LT OFFICEM

TYPICAL (1) ZONE STANDALONE SPACE (NON-DIMMING) - LINE VOLTAGE SENSOR/SWITCH



TYPICAL FOR HOLDING TOILET, TOILET ROOM, BUNK ROOM, JANITORS CLOSET,

TYPICAL (1) ZONE STANDALONE WET LOCATION SHOWER SPACE (NON-DIMMING)

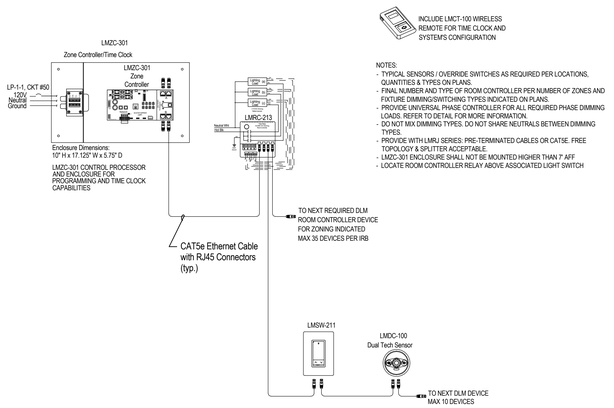


TYPICAL FOR SHOWER ROOMS (SWITCH SHALL BE LOCATED OUTSIDE SHOWER SPACE)

LEVEL 1 - TENANT LEASE SPACE (POLICE DEPARTMENT)

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED SOLUTION: LMZC-301 ZONE CONTROLLER FOR TIME CONTROL CAPABILITIES

BUILDING SPACE

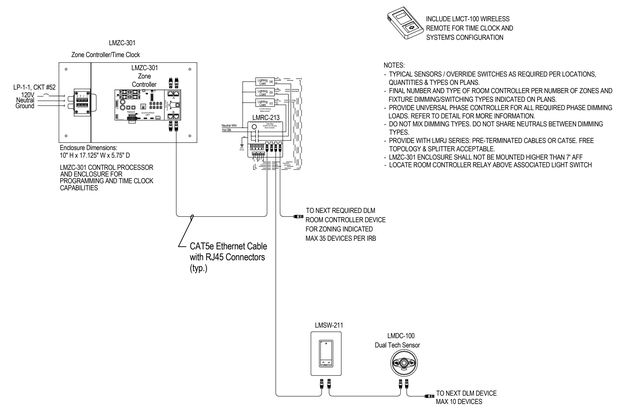


LMZC PANEL SHALL BE MOUNTED IN IT/IDF/MDF ROOM. GC SHALL COORDINATE WITH SLS FOR ANY ALTERNATIVE LOCATION.
TYPICAL FOR LEASE SPACE 104

LEVEL 1 - LEASE SPACE 104

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED SOLUTION: LMZC-301 ZONE CONTROLLER FOR TIME CONTROL CAPABILITIES

BUILDING SPACE

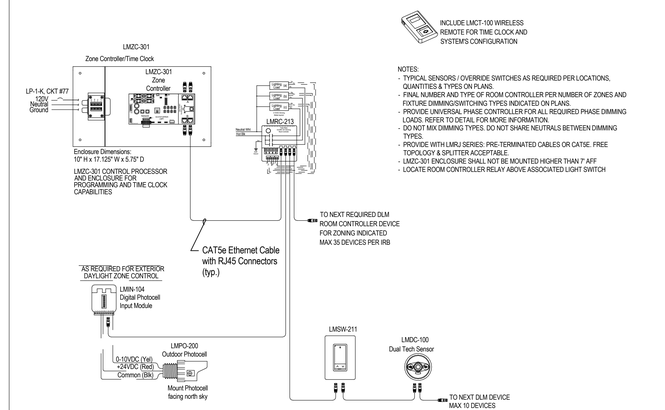


LMZC PANEL SHALL BE MOUNTED IN IT/IDF/MDF ROOM. GC SHALL COORDINATE WITH SLS FOR ANY ALTERNATIVE LOCATION.
TYPICAL FOR LEASE SPACE 180

LEVEL 1 - LEASE SPACE 180

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED SOLUTION: LMZC-301 ZONE CONTROLLER FOR TIME CONTROL CAPABILITIES

BUILDING SPACE



LMZC PANEL SHALL BE MOUNTED IN IT/IDF/MDF ROOM. GC SHALL COORDINATE WITH SLS FOR ANY ALTERNATIVE LOCATION.
TYPICAL FOR LEASE SPACE 105, EXTERIOR LIGHTING

LEVEL 1 - LEASE SPACE 105

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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

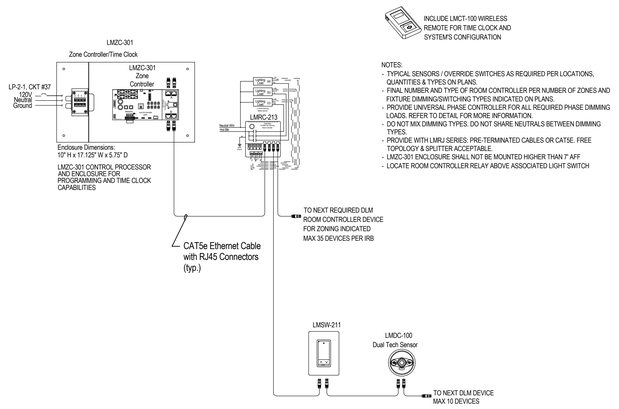
ELECTRICAL LIGHTING CONTROL DETAILS
SHEET #2

CONTRACT NUMBER 25-532
SHEET NUMBER E-704
SHEET 136 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-509-0
REV NO. 0

ELECTRICAL LIGHTING CONTROLS DETAILS

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED SOLUTION: LMZC-301 ZONE CONTROLLER FOR TIME CONTROL CAPABILITIES

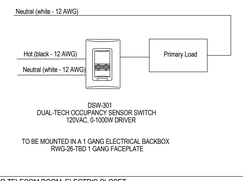
BUILDING SPACE



LMZC PANEL SHALL BE MOUNTED IN IT/IDF/MDF ROOM. GC SHALL COORDINATE WITH SLS FOR ANY ALTERNATIVE LOCATION.
TYPICAL FOR LEASE SPACE 104

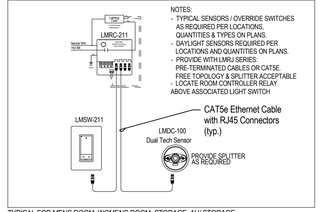
LEVEL 2 - LEASE SPACE 200

TYPICAL (1) ZONE STANDALONE SPACE (NON-DIMMING) - LINE VOLTAGE SENSOR/SWITCH



TYPICAL FOR TELECOM ROOM, ELECTRIC CLOSET,

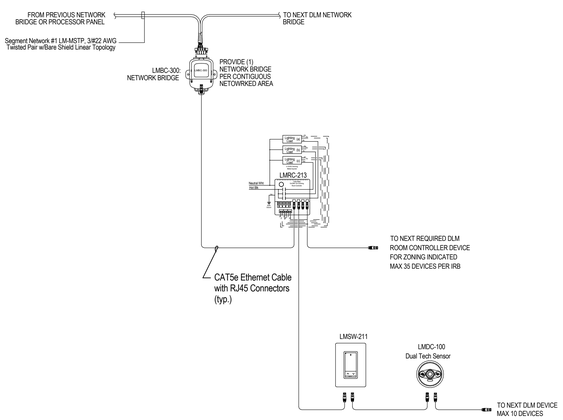
TYPICAL (1) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



NOTES:
- TYPICAL SENSORS / OVERRIDE SWITCHES AS REQUIRED PER LOCATIONS, QUANTITIES & TYPES ON PLANS.
- DAYLIGHT SENSORS REQUIRED PER LOCATIONS AND QUANTITIES ON PLANS.
- PROVIDE WITH LMRJ SERIES: PRE-TERMINATED CABLES OR CAT5E. FREE TOPOLOGY & SPLITTER ACCEPTABLE
- LOCATE ROOM CONTROLLER RELAY ABOVE ASSOCIATED LIGHT SWITCH

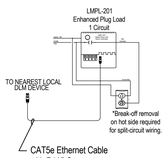
TYPICAL FOR MENS ROOM, WOMENS ROOM, STORAGE, AV/ STORAGE ROOM

TYPICAL NETWORKED MULTI-ZONE DISTRIBUTED CONTROL SOLUTION: LMJA-9000 CONTROL PROCESSOR WITH TIME-CLOCK CAPABILITIES



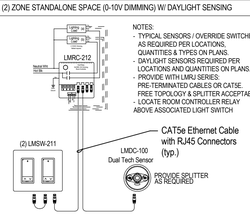
TYPICAL ON/OFF PLUG LOAD CONTROLLER W/IN NETWORKED & OPEN AREA SPACES

NOTES:
- TYPICAL (1) PLUG LOAD CONTROLLER PER BRANCH CIRCUIT AND/OR "ZONE" SERVING CONTROLLED RECEPTACLES. REFER TO ELECTRICAL POWER PLANS FOR CONTROLLED RECEPTACLE REQUIREMENTS.



TYPICAL FOR CORRIDOR, REQUIRED RECEPTACLE LOADS

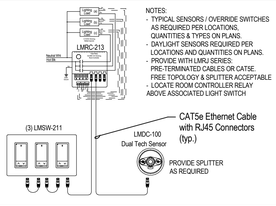
TYPICAL (2) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



NOTES:
- TYPICAL SENSORS / OVERRIDE SWITCHES AS REQUIRED PER LOCATIONS, QUANTITIES & TYPES ON PLANS.
- DAYLIGHT SENSORS REQUIRED PER LOCATIONS AND QUANTITIES ON PLANS.
- PROVIDE WITH LMRJ SERIES: PRE-TERMINATED CABLES OR CAT5E. FREE TOPOLOGY & SPLITTER ACCEPTABLE
- LOCATE ROOM CONTROLLER RELAY ABOVE ASSOCIATED LIGHT SWITCH

TYPICAL FOR MEDIUM CONFERENCE ROOM

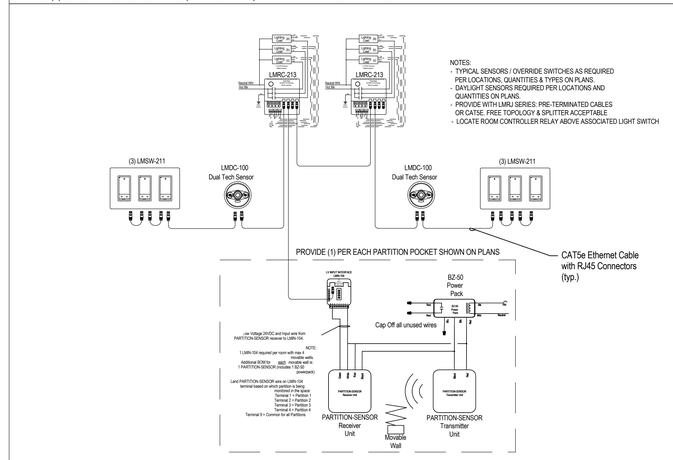
TYPICAL (3) ZONE STANDALONE SPACE (0-10V DIMMING) W/ DAYLIGHT SENSING



NOTES:
- TYPICAL SENSORS / OVERRIDE SWITCHES AS REQUIRED PER LOCATIONS, QUANTITIES & TYPES ON PLANS.
- DAYLIGHT SENSORS REQUIRED PER LOCATIONS AND QUANTITIES ON PLANS.
- PROVIDE WITH LMRJ SERIES: PRE-TERMINATED CABLES OR CAT5E. FREE TOPOLOGY & SPLITTER ACCEPTABLE
- LOCATE ROOM CONTROLLER RELAY ABOVE ASSOCIATED LIGHT SWITCH

TYPICAL FOR LARGE CONFERENCE ROOM

TYPICAL (6) ZONE STANDALONE SPACE (0-10V DIMMING) WITH PARTITION SENSOR INTEGRATION



NOTES:
- TYPICAL SENSORS / OVERRIDE SWITCHES AS REQUIRED PER LOCATIONS, QUANTITIES & TYPES ON PLANS.
- DAYLIGHT SENSORS REQUIRED PER LOCATIONS AND QUANTITIES ON PLANS.
- PROVIDE WITH LMRJ SERIES: PRE-TERMINATED CABLES OR CAT5E. FREE TOPOLOGY & SPLITTER ACCEPTABLE
- LOCATE ROOM CONTROLLER RELAY ABOVE ASSOCIATED LIGHT SWITCH

TYPICAL FOR TRAINING ROOM

LEVEL 2 - BUILDING SPACE

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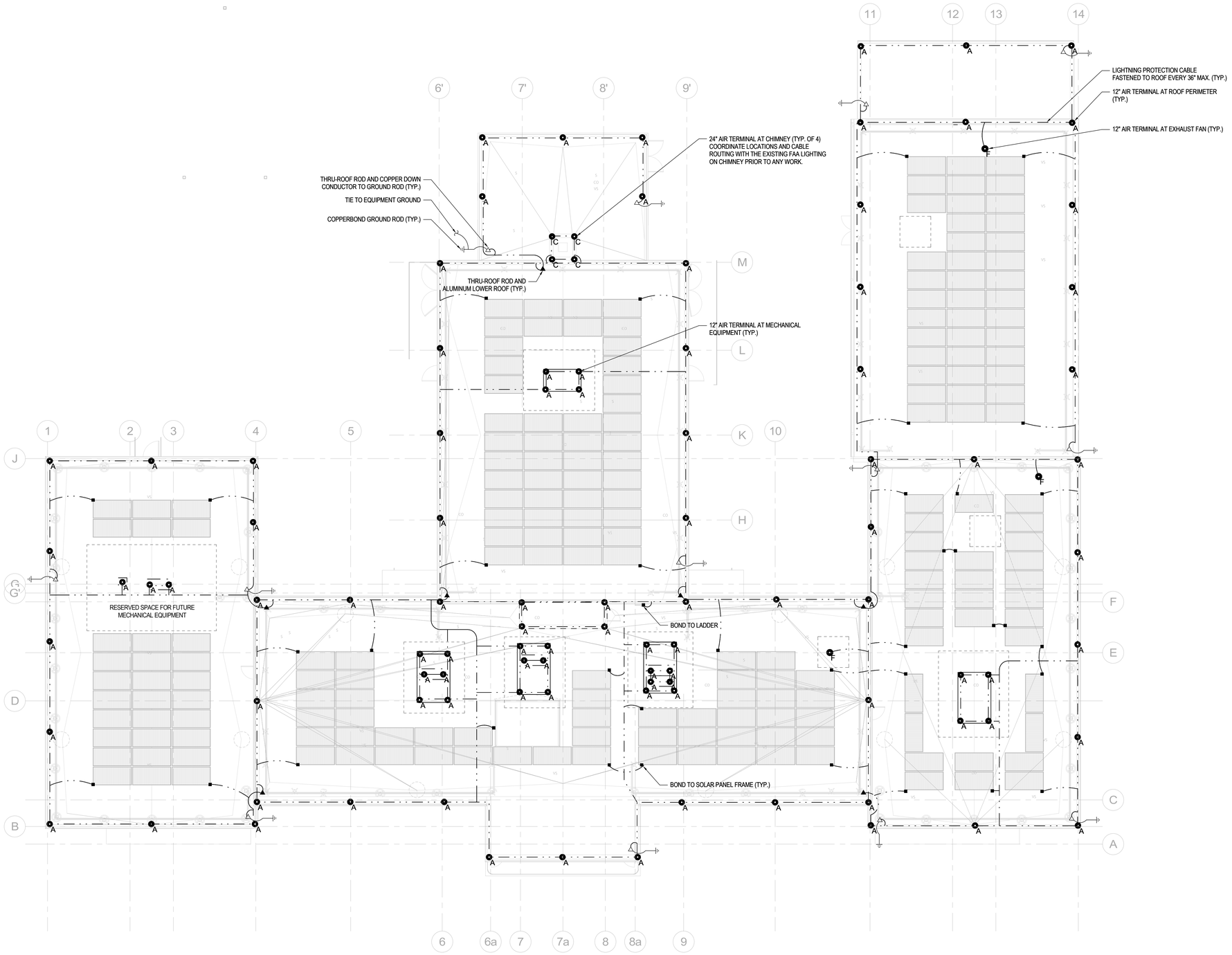
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ELECTRICAL LIGHTING CONTROL DETAILS SHEET #3

CONTRACT NUMBER: 25-532
SHEET NUMBER: E-705
SHEET 137 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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REV NO.: 0



1 ROOF
1/8" = 1'-0"

N

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SIGNATURE:
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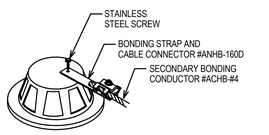
PROJECT COORDINATOR
NAME:
SIGNATURE:
TITLE:

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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL ROOF LIGHTNING PROTECTION PLAN

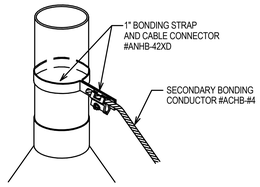
CONTRACT NUMBER 25-532
SHEET NUMBER E-800
SHEET 138 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-511-0
REV NO. 0

LIGHTNING PROTECTION DETAILS

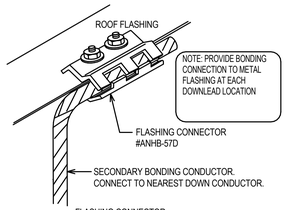


BOND TO ROOF DRAINS AND SMALL VENTS WHEN LOCATED WITHIN 6'-0" OF LIGHTNING CONDUCTOR OR OTHER GROUNDED METAL BODIES. TO BE DETERMINED AT JOB SITE.

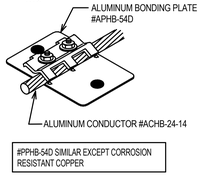
BONDING LUG (METAL ROOF DRAINS)
NTS



BONDING STRAP AT (METAL VENT PIPES)
NTS

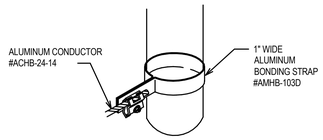


FLASHING CONNECTOR
NTS

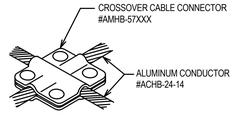


#PPHB-54D SIMILAR EXCEPT CORROSION RESISTANT COPPER

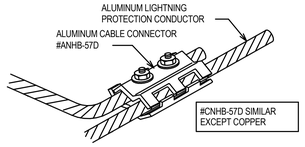
BONDING PLATE
NTS



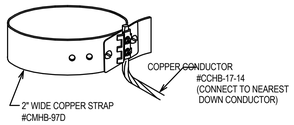
PIPE CLAMP (RAILINGS, ANTENNAS, ETC.)
NTS



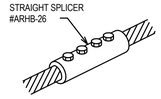
CROSSOVER CABLE CONNECTOR
NTS



CABLE CONNECTOR
NTS



WATERLINE BONDING STRAP
NTS



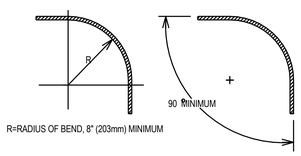
STRAIGHT SPLICER
NTS

LIGHTNING PROTECTION NOTES

1. ALL MATERIALS SHOWN ARE MANUFACTURED BY HEARY BROS. LIGHTNING PROTECTION CO., INC.
2. THE LIGHTNING PROTECTION SYSTEM AS SHOWN ON DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH UL96, UL96A & NFPA-780 LIGHTNING PROTECTION SYSTEM STANDARDS.
3. CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" (DOWN AND UP) POCKETS.
4. NO BEND OF CONDUCTOR SHALL FORM AN ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8".
5. AIR TERMINALS SHALL BE SPACED EVERY 20'-0" MAXIMUM AROUND THE ROOF PERIMETER AND/OR ALONG ROOF RIDGES. AIR TERMINALS SHALL BE LOCATED WITHIN 2'-0" OF OUTSIDE CORNERS.
6. AIR TERMINALS SHALL BE SPACED EVERY 50'-0" MAXIMUM IN CENTER ROOF AREAS.
7. ACTUAL JOBSITE CONDITIONS MAY REQUIRE SLIGHT ALTERATIONS IN AIR TERMINAL, DOWN CONDUCTOR AND GROUND ROD LOCATIONS.
8. BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES, AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.
9. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED EVERY 3'-0" MAX.
10. BOND SMALL METAL BODIES OF INDUCTANCE SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR ANOTHER BONDED METAL BODY TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM, UNLESS INHERENTLY GROUNDED.
11. BOND ALL LARGE METAL BODIES TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM. (I.E.: EXHAUST FANS, ROOF VENTS, METAL COOLING TOWERS, HVAC UNITS, LADDERS, RAILINGS, ANTENNAS, SKYLIGHTS, METAL STACKS, AND ANY OTHER LARGE METAL BODIES WHOSE HEIGHT EXCEEDS THAT OF ADJACENT AIR TERMINALS).
12. CONNECTIONS TO GROUND RODS SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
13. BOND TO WATERLINES (DOMESTIC & FIRE).
14. A LIGHTNING ARRESTOR, PROTECTOR OR ANTENNA DISCHARGE UNIT SHALL BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE AND RADIO AND TELEVISION ANTENNA LEAD-IN BY THE ELECTRICAL CONTRACTOR, IN ACCORDANCE WITH NFPA-70.
15. TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) OF SERVICES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. (I.E. COMPUTERS, COPIERS, TELEPHONE, ETC.).
16. PROVIDE UL MASTER LABEL UPON COMPLETION OF INSTALLATION.
17. CONTACT DENNY CROWLEY OF CROWLEY LIGHTNING PROTECTION AT (315) 255-2872 PRIOR TO START OF ANY WORK RELATED TO THE LIGHTNING PROTECTION SYSTEM.

LIGHTNING PROTECTION MATERIALS LIST

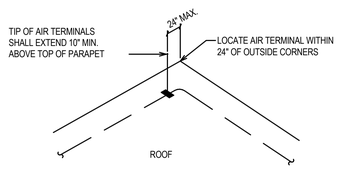
	ALUMINUM LIGHTNING PROTECTION MAIN CONDUCTOR	ACHB-24-14
	ALUMINUM LIGHTNING PROTECTION SECONDARY BONDING CABLE*	ACHB-#4
	COPPER LIGHTNING PROTECTION DOWN CONDUCTOR	CCHB-17-14
	BIMETAL CONNECTOR	MNHB-93
	ALUMINUM CABLE FASTENERS (FASTEN ALUM CABLE EVERY 3FT. MAX.) COPPER CABLE FASTENERS (FASTEN COPPER CABLE EVERY 3FT. MAX.)	AFHB-72, 66, 64 CFHB-64
	1/2" x 18" ALUMINUM AIR TERMINAL AND ADHESIVE BASE	AAHB-303, ABHB-23D
	1/2" x 18" ALUMINUM AIR TERMINAL AND OFFSET BASE	AAHB-303, ABHB-32D
	1/2" x 24" ALUMINUM AIR TERMINAL AND TOP MOUNT BASE (AT CHIMNEY)	AAHB-304, ABHB-23D
	1/2" x 18" ALUMINUM AIR TERMINAL AND ADHESIVE BASE (AT EXH. FANS)	AAHB-303, ABHB-23D
	THRU-ROOF ROD	SNHB-95D
	*SECONDARY BONDING (USE SECONDARY BONDING CABLE #ACHB-#4): *FLASHING CONNECTOR *METAL ROOF DRAIN / GUTTER CONNECTOR *METAL VENT PIPE CONNECTOR	 ANHB-57D ANHB-160D ANHB-42XD
	ALUMINUM BONDING PLATE (AT ALUM. RTU & FANS)	APHB-54D
	CORROSION RESISTANT COPPER BONDING PLATE (TO TOP AND BASE OF STEEL AT EACH DOWNLEAD)	PPHB-54D
	PIPE CLAMP (ANTENNAS, RAILINGS, ETC.)	AMHB-103D
	BOND PLATE (LADDERS)	PPHB-54D
	CABLE CONNECTOR	ANHB-57D, CNHB-57D
	STRAIGHT SPLICER	ARHB-26
	CROSSOVER CABLE CONNECTOR	CMHB-57XXX
	WATERLINE CONNECTOR (FIRE WATER & DOMESTIC WATER)	CMHB-97D
	5/8" x 10'-0" COPPERWELD GROUND ROD AND CONNECTOR	CGHB-106GR, CGHB-57D



R=RADIUS OF BEND, 8" (203mm) MINIMUM

NOTE: -LP CONDUCTOR SHALL REMAIN IN A HORIZONTAL OR DOWN- WARD PATH AVOIDING "U" & "V" POCKETS (DOWN & UP). NO BEND OF A CONDUCTOR SHALL FORM AN INCLUDED ANGLE OF LESS THAN 90° OR HAVE A RADIUS OF BEND LESS THAN 8".

8" MIN. RADIUS BEND IN CABLE



AIR TERMINALS SHALL BE LOCATED

WITHIN 24" OF OUTSIDE CORNERS

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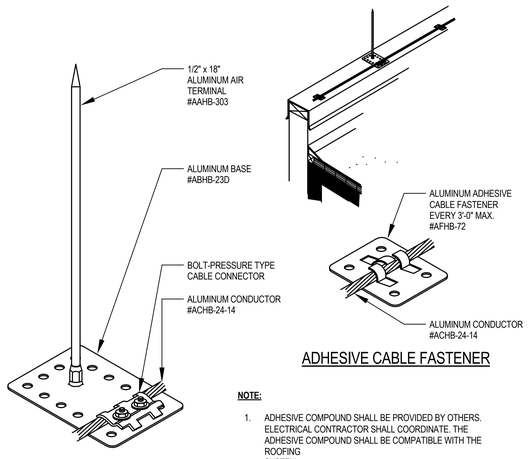
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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

ELECTRICAL LIGHTNING PROTECTION DETAILS SHEET #1

CONTRACT NUMBER 25-532
SHEET NUMBER E-801
SHEET 139 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-E-512-0
REV NO. 0

LIGHTNING PROTECTION DETAILS

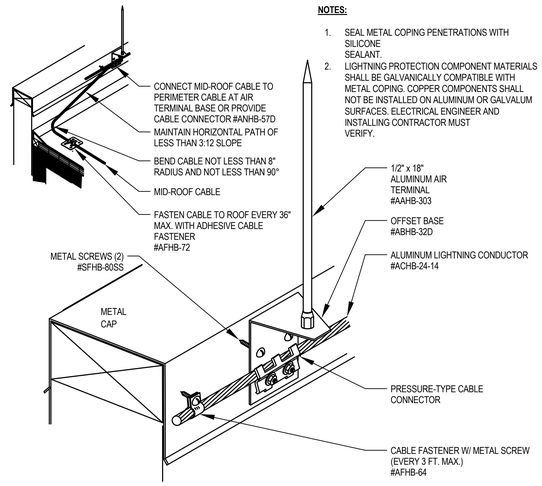


ADHESIVE CABLE FASTENER

NOTE:

1. ADHESIVE COMPOUND SHALL BE PROVIDED BY OTHERS. ELECTRICAL CONTRACTOR SHALL COORDINATE. THE ADHESIVE COMPOUND SHALL BE COMPATIBLE WITH THE ROOFING SYSTEM.

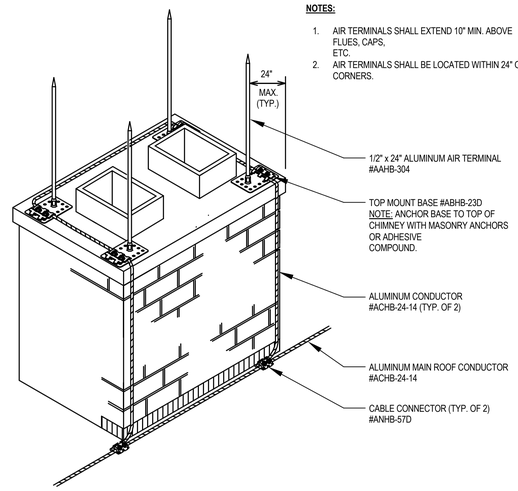
1 AIR TERMINAL BASE
SCALE:N.T.S.



NOTES:

1. SEAL METAL COPING PENETRATIONS WITH SILICONE SEALANT.
2. LIGHTNING PROTECTION COMPONENT MATERIALS SHALL BE GALVANICALLY COMPATIBLE WITH METAL COPING. COPPER COMPONENTS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES. ELECTRICAL ENGINEER AND INSTALLING CONTRACTOR MUST VERIFY.

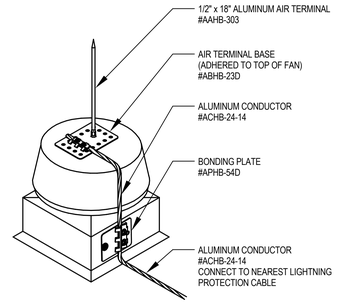
2 OFFSET AIR TERMINAL BASE
SCALE:N.T.S.



NOTES:

1. AIR TERMINALS SHALL EXTEND 10" MIN. ABOVE FLUES, CAPS, ETC.
2. AIR TERMINALS SHALL BE LOCATED WITHIN 24" OF CORNERS.

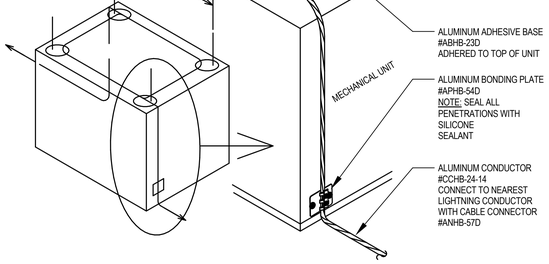
3 AIR TERMINAL AT CHIMNEY
SCALE:N.T.S.



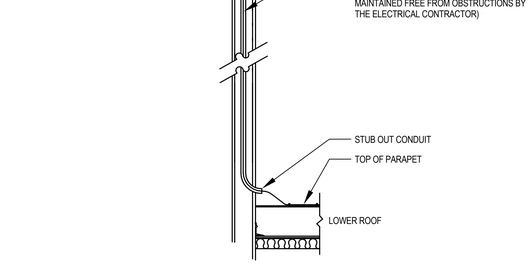
NOTES:

1. AIR TERMINALS ARE REQUIRED ON ROOF VENTILATORS / EXHAUST FANS THAT ARE NOT WITHIN A ZONE OR PROTECTION OR WHEN HIGHER THAN ADJACENT AIR TERMINALS.

4 AIR TERMINAL AT EXHAUST FAN
SCALE:N.T.S.

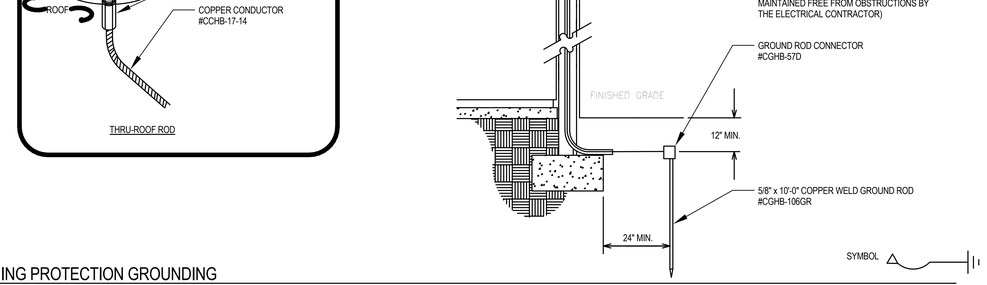


5 LIGHTNING PROTECTION AT ROOF TOP UNIT
SCALE:N.T.S.



6 DOWN CONDUCTOR TO LOWER ROOF
SCALE:N.T.S.

SYMBOL ▲



SYMBOL

7 LIGHTNING PROTECTION GROUNDING
SCALE:N.T.S.

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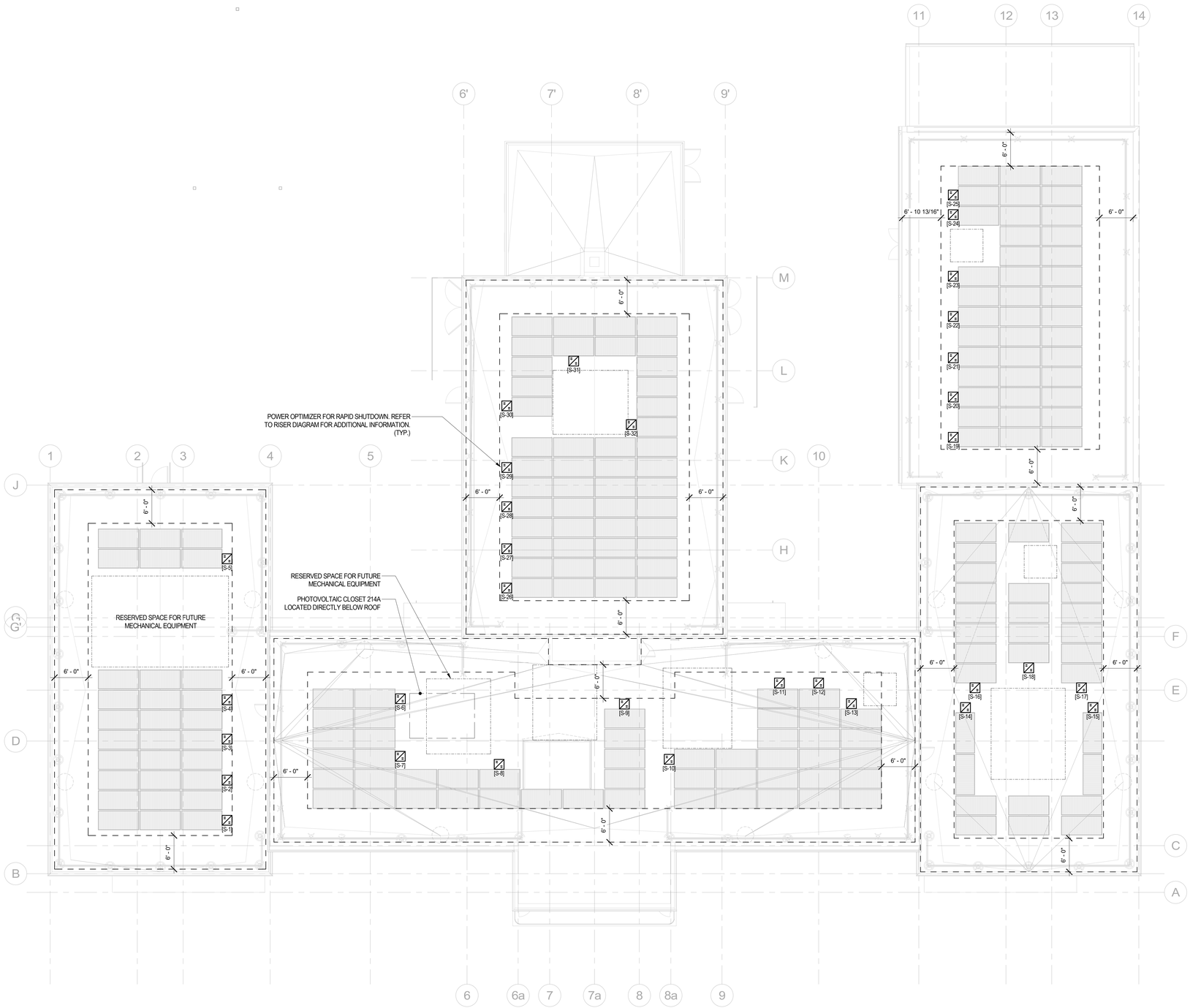
ELECTRICAL LIGHTNING PROTECTION DETAILS SHEET #2

CONTRACT NUMBER 25-532
SHEET NUMBER E-802
SHEET 140 of 162
SCALE: AS SHOWN
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ELECTRICAL PHOTOVOLTAIC SYSTEM GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. SOLAR SYSTEM PANELS ARE BASED ON QCELLS Q. PEAK DUO XL-G10 SERIES, APPROXIMATELY 475-490 Wp PER MODULE. APPROXIMATELY 196 TOTAL SOLAR CELL MODULES INDICATED ON ROOF PLAN. APPROXIMATELY SEVEN (7) 17.3 kW INVERTERS WILL BE REQUIRED (SOLAREDGE MODEL SE17.3KUS). EACH INVERTER TO HOLD A MAXIMUM OF FOUR (4) STRINGS, EACH WITH A MAXIMUM OF (8) SOLAR PANELS (32 PANELS MAXIMUM PER INVERTER). ALL INVERTERS TO BE ENERGIZED BY A DEDICATED DISTRIBUTION BOARD, 400A BUS, 400A MCB, 208Y/120V, 3Ø, 4W+G, 42kAIC.
3. PROVIDE ALL SAFETY DECAL STICKERS / LABELS AS REQUIRED PER NYS FIRE CODE ARTICLE 1204.5.



1 ROOF
1/8" = 1'-0"

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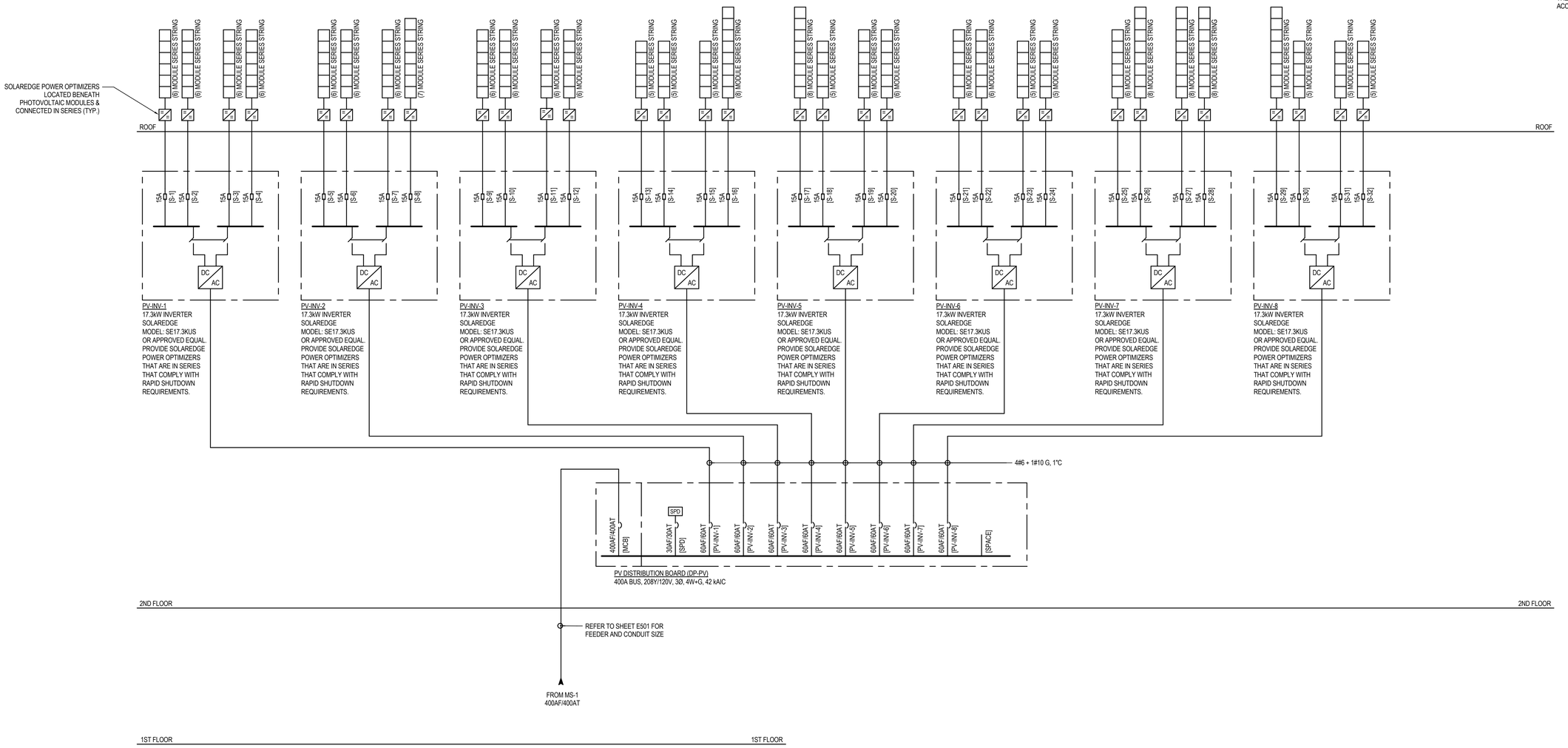
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ELECTRICAL ROOF PHOTOVOLTAIC PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER E-900
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SCALE: AS SHOWN
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DPW FILE NO. 48-08-E-514-0
REV NO. 0

ELECTRICAL PHOTOVOLTAIC SYSTEM GENERAL NOTES:

1. REFER TO SHEET E-002.00 FOR ADDITIONAL GENERAL NOTES.
2. SOLAR PANELS, DC WIRING, COMBINER BOXES AND DATA EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE MANUFACTURER FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. ALL PHOTOVOLTAIC ARRAY EQUIPMENT GROUNDING SHALL BE #6 AWG BARE, BONDED TO EQUIPMENT AS REQUIRED. GROUNDING SHALL BE PROVIDED AS PER NEC 690.43 AND 690.47.
4. CONDUIT TYPES SHALL BE AS FOLLOWS:
   RGS - EXTERIOR OF BUILDING
   EMT - INTERIOR OF BUILDING
5. ALL CONDUCTORS SHALL BE COPPER.
6. COORDINATE WITH MANUFACTURER FOR SOLAR MOUNTING AND SUPPORT SYSTEM REQUIREMENTS. MOUNT PANELS ON STEEL SUPPORTS. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
7. PROVIDE RAPID SHUTDOWN DEVICES TO MEET ALL REQUIREMENTS IN THE 2020 NEW YORK STATE FIRE CODE SECTION 1204.5 AND IN ACCORDANCE WITH NEC 690.12(A)-(D).



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ELECTRICAL PHOTOVOLTAIC RISER DIAGRAM

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FIRE ALARM LEGEND AND ABBREVIATIONS

FIRE ALARM SYSTEM GENERAL NOTES

1. THE BASIS OF DESIGN FIRE ALARM MANUFACTURER FOR THIS PROJECT IS SIEMENS. THE ELECTRICAL CONTRACTOR SHALL CONTACT JEFF TOLDO AT jeffrey.toldo@siemens.com OR (732) 757-7847. CONTRACTOR TO COORDINATE WITH AIRPORT PERSONNEL.
2. ALL WORK SHALL BE INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES:
   A. 2020 NYS BUILDING CODE
   B. 2020 NYS FIRE CODE (NFPA 72) FIRE DEPARTMENT REQUIREMENTS
   C. 2020 NATIONAL ELECTRIC CODE (NFPA 70, ARTICLE 760)
   D. ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ICC A117.1-2009
   E. INTERNATIONAL STANDARDS ORGANIZATION (ISO): ISO-9001
   F. LOCAL AND STATE BUILDING CODES AND THE LOCAL AUTHORITIES HAVING JURISDICTION (AHJ)
3. THE FIRE ALARM RISER DIAGRAM ON THESE CONTRACT DOCUMENTS IS FOR DESIGN PURPOSES ONLY. THE FIRE ALARM VENDOR AND THIS CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH THE ACTUAL NUMBER OF CIRCUITS, DEVICES, WIRING, CONDUIT, PANELS, ETC. FOR A COMPLETE AND OPERABLE SYSTEM.
4. ALL FIRE ALARM EQUIPMENT SHALL BE INSTALLED WITH AESTHETICS IN MIND. FIRE ALARM SYSTEM CABINETS SHALL BE SEMI FLUSH MOUNTED.
5. ALL FIRE ALARM CIRCUITS SHALL BE SIZED TO A MAXIMUM OF 80% OF CAPACITY TO ALLOW FOR FUTURE DEVICES.
6. ALL FIRE ALARM CIRCUIT SHALL BE WIRED NFPA CLASS B STYLE. ALL FIRE ALARM CIRCUIT RISERS SHALL BE NFPA CLASS X (CLASS A WITH SHORT CIRCUIT ISOLATION) STYLE.
7. VERTICAL RISER CABLES FOR ALL SYSTEMS THAT INCLUDE PARTIAL EVACUATION (ANYTHING OTHER THAN A GENERAL ALARM SEQUENCE - SEE SEQUENCE OF OPERATION / MATRIX) SHALL INCLUDE A PATHWAY SURVIVABILITY LEVEL 2 (NOT FULLY SPRINKLERED AREAS) OR LEVEL 3 (FULLY SPRINKLERED AREAS) AND A 2-HOUR RATED SHAFT OR RISER. ALL OTHER FIRE ALARM CIRCUITS SHALL INCLUDE A PATHWAY LEVEL 0 (UN-SPRINKLERED AREAS) OR LEVEL 1 (FULLY SPRINKLERED AREAS).
8. WHERE SEPARATION OF THE IN-BUILDING EMERGENCY VOICE / ALARM CONTROL EQUIPMENT IS REQUIRED, THE REMOTE EQUIPMENT SHALL BE LOCATED IN A 2-HOUR RATED ROOM OR ENCLOSURE.
9. CONDUITS SHALL NOT ENTER THE TOP OF ANY FIRE ALARM CONTROL EQUIPMENT CABINET.
10. ALL FIRE ALARM CABINETS AND JUNCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED. ALL FIRE ALARM CABINETS SHALL BE CLEARLY LABELED WITH AN APPROVED LAMINATE ENGRAVED LABEL.
11. ALL FIRE ALARM CONDUCTORS SHALL BE CLEARLY LABELED IN ALL JUNCTION BOXES AND CABINETS. ALL TERMINALS SHALL BE NUMBERED AND LABELED. ALL CONNECTIONS SHALL BE EITHER SOLDERED, APPROVED TERMINAL STRIPS, APPROVED WIRE NUTS (APPROVED TEMPERATURE), OR SCOTCH LOCKS.
12. ALL LOW VOLTAGE FIRE ALARM CONDUCTORS SHALL BE PROTECTED BY EITHER BUILDING CONSTRUCTION OR CONDUIT UP TO 8 FEET (MINIMUM) ABOVE THE FINISHED FLOOR. CONDUCTORS LOCATED IN LOADING DOCKS, CONDUCTORS SERVING SUPPRESSION AND EXTINGUISHING SYSTEMS, ELEVATOR(S), MECHANICAL AND ELECTRICAL ROOMS, AND OTHER LOCATIONS SUBJECT TO MECHANICAL PHYSICAL DAMAGE SHALL BE INSTALLED IN FULL RIGID CONDUIT. OUTDOOR LOCATIONS SHALL BE IN RIGID GALVANIZED CONDUIT. THE USE OF SURFACE MOUNTED RACEWAYS (WIREMOLD) SHALL NOT BE USED ON THIS PROJECT.
13. FIRE ALARM CABLES SHALL NOT BE MIXED WITH NON-FIRE ALARM CABLING. LOW VOLTAGE FIRE ALARM CABLING SHALL NOT BE MIXED OR INSTALLED NEAR ANY AC CIRCUIT.
14. ALL NOTIFICATION CIRCUITS SHALL BE A MINIMUM OF NO. 14 AWG AND ALL OTHER LOW VOLTAGE FIRE ALARM CIRCUITS SHALL BE NO. 16 AWG MINIMUM.
15. POLARITY SHALL BE OBSERVED AND FOLLOWED ON ALL CIRCUITS. T-TAPPING SHALL NOT BE ALLOWED ON ANY NOTIFICATION CIRCUITS (HORN OR STROBE). T-TAPPING SHALL NOT BE PERMITTED ON ADDRESSABLE CIRCUITS.
16. ALL WIRING SHALL BE INSPECTED TO ASSURE THERE ARE NO OPENS, SHORTS OR EARTH GROUNDS. SHOULD ANY EXIST, THIS CONTRACTOR SHALL TRACE, REPAIR AND RE-TEST UNTIL ALL INSPECTIONS PASS. PERFORM ALL FIRE ALARM SYSTEM TESTS PER LOCAL AND STATE BUILDING CODES AND AS REQUIRED BY THE FIRE DEPARTMENT.
17. WIRING FOR AUDIBLE AND VISUAL ALARM NOTIFICATION DEVICES SHALL BE CIRCUITED SO THAT A FAILURE OF A PORTION OF THE CIRCUITING / WIRING ON A FLOOR WILL NOT RENDER MORE THAN 50% OF EACH DEVICE TYPE INOPERATIVE (MEANS OF ALTERNATE CIRCUITS).
18. SHIELDED CONDUCTORS OR RUNNING IN SEPARATE RACEWAY SHALL BE AS INSTRUCTED BY THE FIRE ALARM MANUFACTURER'S DOCUMENTATION. ALL NON-POWER LIMITED WIRING, INCLUDING CIRCUITS FOR NON-POWER LIMITED CENTRALIZED AMPLIFIERS SHALL BE INSTALLED IN SEPARATE RACEWAYS.
19. ALL FIRE ALARM INITIATING AND INDICATING CIRCUITS SHALL BE ELECTRICALLY SUPERVISED BY THE FIRE ALARM SYSTEM.
20. BOOSTER POWER SUPPLIES SHALL BE PROVIDED AS NECESSARY FOR STROBE CIRCUIT DRAW AND LENGTHY STROBE CIRCUIT RUNS. PROVIDE A SEPARATE 120V POWER FEED FOR EACH BOOSTER, AS WELL AS A SMOKE DETECTOR MOUNTED DIRECTLY ABOVE EACH BOOSTER POWER SUPPLY.
21. ALL REMOTE FIRE ALARM CONTROL CABINETS (DATA GATHERING PANELS [DGP], TTBS, ETC.) SHALL INCLUDE AN INTERNAL TAMPER SWITCH. EACH SHALL ALSO INCLUDE A SMOKE DETECTOR MOUNTED ON THE CEILING DIRECTLY ABOVE IT SHOULD ONE (1) OR MORE NOT ALREADY BE SHOWN ON THE CONTRACT DOCUMENTS IN THE ROOM THAT IT IS MOUNTED IN.
22. ALL CEILING MOUNTED DEVICES SHALL BE SECURELY FASTENED TO THE BUILDING CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CEILINGS WITH ALL TRADES AND DETERMINE ALL CEILING TYPES PRIOR TO FURNISHING ANY SMOKE DETECTORS, OR ANY OTHER CEILING MOUNTED ELECTRICAL ELEMENTS. IN ADDITION, ALL ELECTRICAL WORK SHALL BE COORDINATED WITH DIFFUSERS AND OTHER MECHANICAL EQUIPMENT.
23. DEVICE LOCATIONS SHALL BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR.
24. ALL AREA OR DUCT SMOKE DETECTORS SHALL BE PHOTO-ELECTRIC TYPE.
25. SMOKE DETECTORS SHALL BE MOUNTED AT LEAST THREE (3) FEET AWAY FROM ANY AIR REGISTER.
26. DUCT MOUNTED SMOKE DETECTORS SHALL BE MOUNTED ON DUCTWORK IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL DUCT DETECTORS SHALL BE PROVIDED WITH A REMOTE LED.
27. CARBON MONOXIDE (CO) DETECTORS SHALL BE FULLY ADDRESSABLE AND INCLUDE A SOUNDER BASE, EACH WITH AN INTERNAL SYNCHRONIZED TEMPORAL 3 AND 4 SOUNDERS (24VDC). POWER TO THE DEVICES SHALL ALSO BE SUPERVISED.
28. MANUAL PULL STATIONS SHALL BE MOUNTED 48 INCHES ABOVE THE FINISHED FLOOR TO THE HANDLE OF THE STATION AND SHALL BE PAINTED FIRE DEPARTMENT RED. ALL MANUAL PULL STATIONS SHALL BE INSTALLED SO THAT THEY ARE KEPT UNOBSTRUCTED FROM OTHER BUILDING CONSTRUCTION.
29. ALL STROBE LIGHTS SHALL BE UL 1971 APPROVED / LISTED. THE MINIMUM CANDELA IS 15 UNLESS OTHERWISE NOTED. STROBE SYNCHRONIZATION SHALL BE MAINTAINED SO THAT ALL STROBES IN THE SAME FIELD OF VIEW FLASH TOGETHER IN SYNCHRONIZATION PER NFPA 72 REQUIREMENTS.
30. NOTIFICATION DEVICES THAT INCLUDE A STROBE SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80 INCHES AND NOT GREATER THAN 96 INCHES ABOVE THE FINISHED FLOOR.
31. AUDIBLE NOTIFICATION DESIGN GOALS FOR THIS PROJECT ARE AS FOLLOWS:

AUDIBLE NOTIFICATION DEVICES - DESIGN CRITERIA	AMBIENT LEVELS	DESIGN GOAL
OFFICES	55 DBA	> 70 DBA
CORRIDORS	55 DBA	> 70 DBA
CLASSROOMS	45 DBA	> 60 DBA
MECHANICAL ROOMS	85 DBA	> 100 DBA
PLACES OF ASSEMBLY	55 DBA	> 70 DBA
INSTITUTIONAL	50 DBA	> 65 DBA
MERCANTILE	40 DBA	> 55 DBA

32. ALL AUXILIARY RELAYS FOR FAN SHUTDOWN, DOOR RELEASE, DAMPER CONTROL, ELEVATOR CONTROL, ETC. SHALL BE WIRED A MAXIMUM OF 3 FT FROM THE CONTROLLED DEVICE. THE AUXILIARY RELAY SHALL FUNCTION WITHIN THE REQUIRED VOLTAGE AND CURRENT OF THE CONTROLLED DEVICE. SLAVE OR INTERPOSING RELAYS SHALL BE INCLUDED AND POWERED BY THE FIRE ALARM CONTROL PANEL IN A FAIL-SAFE (FIRE FUNCTION) POSITION. POWER TO THE INTERPOSING RELAYS SHALL BE MONITORED BY THE FIRE ALARM SYSTEM.
33. THE FIRE ALARM CONTROL PANEL SHALL BE PROVIDED WITH A KEY SWITCH. DURING DAILY TESTS, THE KEY SWITCH SHALL BE USED TO BYPASS THE CONTROL DAMPERS AND FAN SHUTDOWN CIRCUITS.
34. A CENTRAL STATION DIALER AND TWO (2) DEDICATED PHONE LINES [IN TWO (2) 1" CONDUITS] SHALL BE PROVIDED. THE DIALER SHALL BE CAPABLE OF SENDING THE FOLLOWING EVENTS: ALARM, MANUAL STATION, WATER FLOW, SUPERVISORY, TROUBLE, AND IF PROVIDED OR REQUIRED, CARBON MONOXIDE, FIRE PUMP RUNNING, FIRE PUMP PHASE REVERSAL, FIRE PUMP TROUBLE, GENERATOR RUNNING, GENERATOR TROUBLE, AND GENERATOR LOW FUEL. THIS CONNECTION SHALL BE TO THE AIRPORT MAIN TERMINAL BUILDING OPERATIONS BRIDGE. COORDINATE ALL WORK WITH THE AIRPORT FACILITIES STAFF.
35. THE COUNTY FIRE INSPECTOR SHALL APPROVE THE CONTRACT DOCUMENTS PRIOR TO THE BEGINNING OF ANY WORK.
36. LOCATIONS OF ALL FIRE ALARM EQUIPMENT SHALL BE SUBJECT TO THE WESTCHESTER DEPARTMENT OF BUILDING AND FIRE DEPARTMENT APPROVAL. NO CHANGE OR MODIFICATION TO THE FIRE ALARM SYSTEM OR PLANS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD. IF ANY CHANGES ARE MADE TO THE FIRE ALARM DRAWINGS PRIOR TO OR DURING INSTALLATION, AS BUILT PLANS SHALL BE PREPARED BY THE CONTRACTOR AND FILED WITH THE APPROPRIATE WESTCHESTER AGENCIES FOR FINAL ACCEPTANCE.
37. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REQUESTING AND CONFIRMING ALL FIRE DEPARTMENT INSPECTIONS AND ASSURING ALL REQUIRED TRADES AND PERSONNEL ARE AT ALL INSPECTIONS.
38. SUBMIT COPIES OF ALL FIRE DEPARTMENT APPROVAL LETTERS AND SIGN-OFFS TO THE ENGINEER AND BUILDING MANAGEMENT.
39. THE CONTRACTOR SHALL COORDINATE THE SERVICES OF A LICENSED INSPECTION AGENCY TO PERFORM ALL SPECIAL INSPECTIONS, IN PARTICULAR, THE FIRE-RESISTANT PENETRATIONS & JOINTS RELATED TO THE FIRE ALARM SYSTEM.
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL ABANDONED FIRE ALARM CABINETS, DEVICES, CONDUITS AND CONDUCTORS. PAINT, PATCH AND CLEANUP SHALL ALSO BE INCLUDED BY THIS CONTRACTOR.
41. PROVIDE A FIRE ALARM SPEAKER WITHIN THE NEW ELEVATOR CAB AND APPROPRIATE CONNECTIONS AT THE ELEVATOR MACHINE ROOM AND THE TENANT'S FIRE ALARM SYSTEM.
42. PROVIDE A FIRE FIGHTER'S TELEPHONE WITHIN THE NEW ELEVATOR CAB AND APPROPRIATE CONNECTIONS AT THE ELEVATOR MACHINE ROOM AND THE TENANT'S FIRE ALARM SYSTEM.
43. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE WATCHES FOR ALL AREAS OF THE BUILDING THAT WILL BE UNPROTECTED DURING REMOVAL AND REINSTALLATION OF THE FIRE ALARM SYSTEM AS REQUIRED BY WESTCHESTER COUNTY OFFICIALS.

ABBREVIATIONS LEGEND

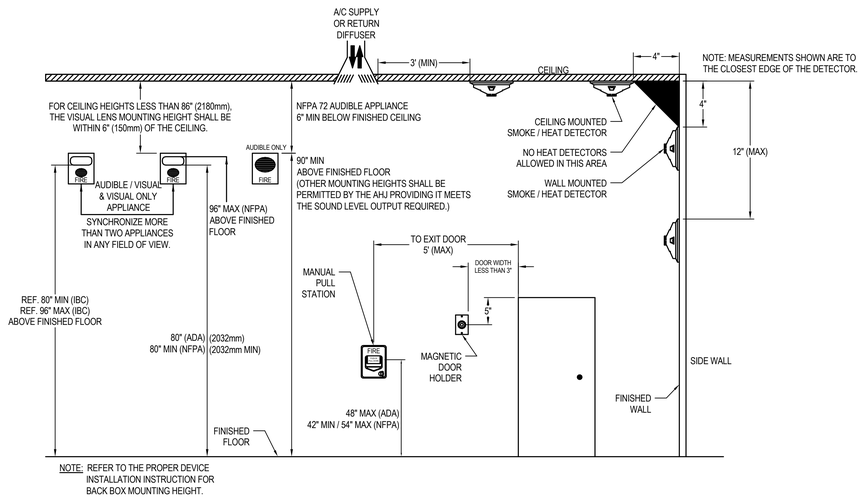
A	AMPERES
AFF	ABOVE FINISHED FLOOR
AF/AS	AMPERE RATING OF FUSE / SWITCH
AT/AF	AMPERE RATING OF CIRCUIT BREAKER TRIP / FRAME
A/V	AUDIO / VISUAL
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
(ED)	EXISTING TO BE DEMOLISHED
(EL)	EXISTING IN NEW LOCATION
(ER)	EXISTING TO BE RELOCATED
(EX)	EXISTING TO REMAIN
EC	EMPTY CONDUIT
ECC	ENGINEERING CONTROL CENTER
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
(F)	FUTURE
FCC	FIRE COMMAND CENTER
G	GROUND
MI	MINERAL INSULATED CABLE
(N)	NEW
N.T.S.	NOT TO SCALE
PVC	POLYVINYL CHLORIDE CONDUIT
RGS	RIGID GALVANIZED STEEL CONDUIT
SCC	SECURITY CONTROL CENTER
TEL	TELECOMMUNICATIONS
TR	TAMPER RESISTANT
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
WP	WEATHERPROOF
XP	EXPLOSION PROOF

GENERAL LEGEND

1	SHEET KEY / DIAMOND NOTE NUMBER
1	REVISION NUMBER
1 / FA-100	DETAIL DESIGNATION — DETAIL NUMBER / DWG. SHEET NO.
PHASING LINETYPES	
- - - - -	EXISTING TO BE DEMOLISHED
———	EXISTING TO REMAIN
———	NEW

FIRE ALARM LEGEND

V	VISUAL ALARM; WALL MOUNTED
H	FIRE ALARM HORN; WALL MOUNTED
H	COMBINATION FIRE ALARM HORN / VISUAL ALARM; WALL MOUNTED
S	AREA SMOKE DETECTOR; CEILING MOUNTED
S SD	DUCT DETECTOR - SUPPLY
S RD	DUCT DETECTOR - RETURN
S E	SMOKE DETECTOR; ELEVATOR RECALL
CO	CO (CARBON MONOXIDE) DETECTOR; CEILING MOUNTED
H	HEAT DETECTOR; CEILING MOUNTED
CM	CONTROL MODULE
MM	MONITORING MODULE
PF	POWER FAILURE (FIRE PUMP)
PH	PHASE REVERSAL (FIRE PUMP)
PR	PUMP RUNNING (FIRE PUMP)
PS	MANUAL PULL STATION
T	TAMPER SWITCH
W	WATER SPRINKLER FLOW SWITCH
RUN	GENERATOR RUN
FAIL	GENERATOR FAIL
FSD	FIRE / SMOKE DAMPER
FACP	FIRE ALARM CONTROL PANEL



1 FIRE ALARM DEVICES - TYPICAL MOUNTING HEIGHTS DETAIL
SCALE:N.T.S.



SITE LOCATION
SCALE: NTS

WORK ALTERATION - LEVEL 3
1 LOOP ROAD, NORTH CASTLE
SECTION, BLOCK, LOT DESIGNATION - 119.03-1-3

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DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

FIRE ALARM LEGEND & ABBREVIATIONS

CONTRACT NUMBER 25-532
SHEET NUMBER FA-001
SHEET 143 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-FA-516-0
REV NO. 0

		CONTROL UNIT ANNUNCIATION						NOTIFICATION										REQUIRED FIRE SAFETY CONTROL						SUPPLEMENTARY			
	SYSTEM INPUTS	ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ACTIVATE NOTIFICATION DEVICES THROUGHOUT THE BUILDING	DISPLAY / PRINT CHANGE OF STATUS AT FACP AND REMOTE ANNUNCIATOR	TRANSMIT AUTOMATIC ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT MANUAL SIGNAL TO SUPERVISING STATION	TRANSMIT WATERFLOW SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT CO ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT PUMP RUNNING SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	ACTIVATE A TEMPORAL 4 SIGNAL TO SUPERVISING STATION	SHUT DOWN CO PRODUCING EQUIPMENT	RELEASE MAGNETICALLY HELD DOORS	RECALL ELEVATORS TO GROUND FLOOR	REMOVE ELEVATOR POWER (SHUNT TRIP)	CLOSE SMOKE / FIRE DAMPERS IN RATED WALLS	UNLOCK NECESSARY EXITS AND DISCONNECT EGRESS TURNSTILES	OPEN APPROPRIATE SMOKE HATCH	SHUT DOWN ALL FANS OVER 2000 CFM	CLOSE ASSOCIATED SMOKE / FIRE DAMPERS IN RATED WALLS		
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
1	MANUAL PULL STATION FIRE ALARM BOXES	X	X					X	X		X								X									1
2	AREA SMOKE DETECTORS	X	X					X	X	X									X			X	X	X	X	X		2
3	ELEVATOR LOBBY, TOP OF SHAFT & MACHINE RM SMOKE DETECTORS	X	X					X	X	X									X	X		X	X		X	X		3
4	IN-DUCT SMOKE DETECTORS	X	X					X	X	X									X			X	X		X	X		4
5	HEAT DETECTORS	X	X					X	X	X									X			X	X		X	X		5
6	ELEVATOR SHAFT HEAT DETECTORS	X	X					X	X	X									X	X	X	X			X	X		6
7	WATERFLOW SWITCH	X	X					X	X			X							X	X		X	X		X	X		7
8	CARBON MONOXIDE DETECTORS AT SOURCE			X	X				X					X			X	X										8
9	CARBON MONOXIDE DETECTORS REMOTE FROM SOURCE			X	X				X					X			X											9
10	SPRINKLER CONTROL VALVE (TAMPER SWITCH)			X	X				X				X															10
11	FIRE PUMP RUNNING			X	X				X						X													11
12	LOW / HIGH LEVEL / TEMP / PRESSURE SWITCHES			X	X				X				X															12
13	FIRE PUMP POWER FAILURE / REVERSAL					X	X		X																			13
14	FIRE ALARM AC FAILURE					X	X		X							X												14
15	FIRE ALARM SYSTEM LOW BATTERY					X	X		X							X												15
16	OPEN CIRCUIT					X	X		X							X												16
17	GROUND FAULT					X	X		X							X												17
18	NOTIFICATION APPLIANCE CIRCUIT SHORT					X	X		X							X												18
19	DRILL SWITCH							X																				19
20	GENERATOR RUNNING			X	X				X				X															20
21	GENERATOR FAIL					X	X		X							X												21
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	

1 FIRE ALARM SYSTEM NFPA OPERATIONS MATRIX
SCALE: N.T.S.

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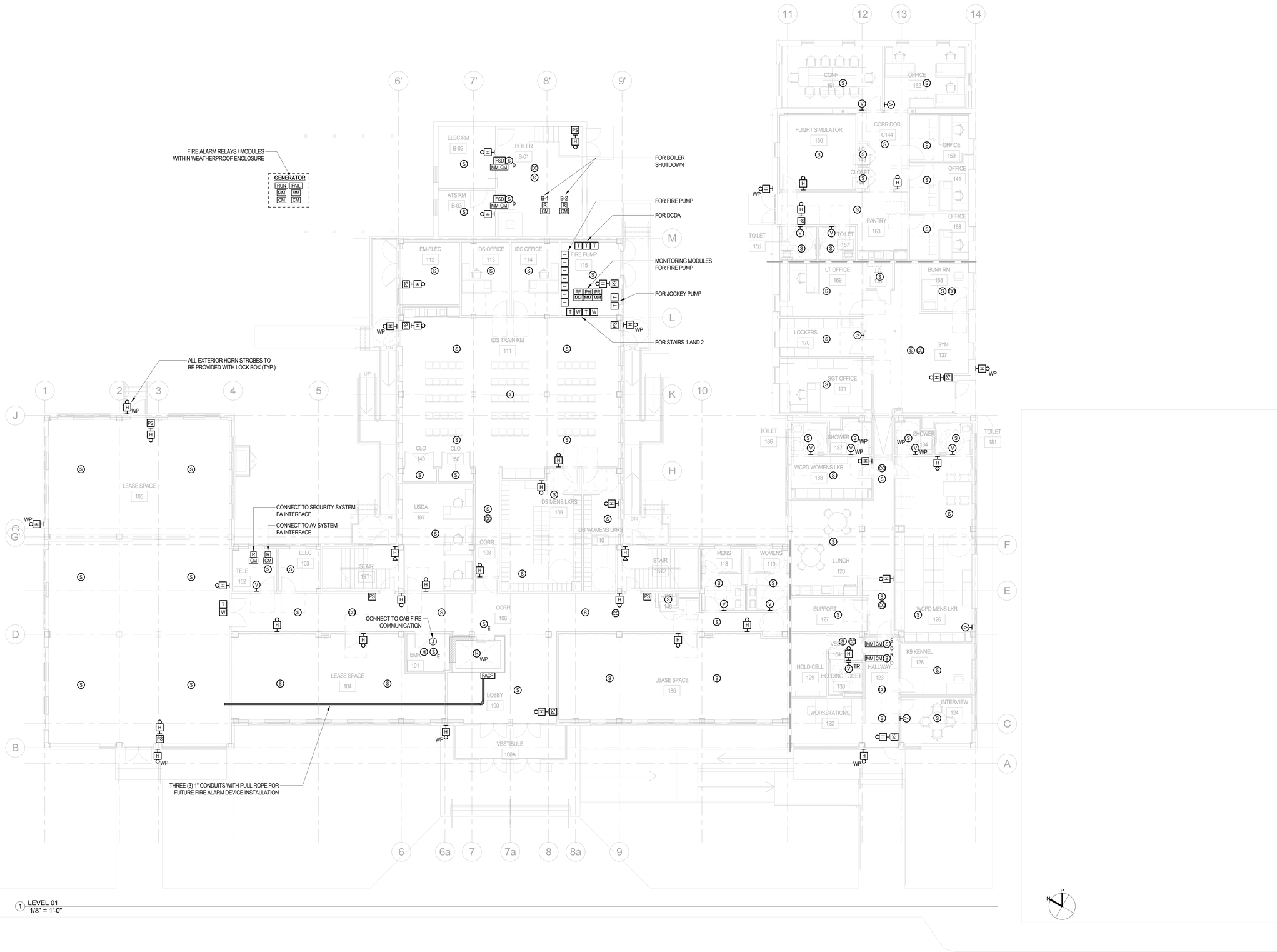
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TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

FIRE ALARM MATRIX

CONTRACT NUMBER 25-532
SHEET NUMBER FA-002
SHEET 144 of 162
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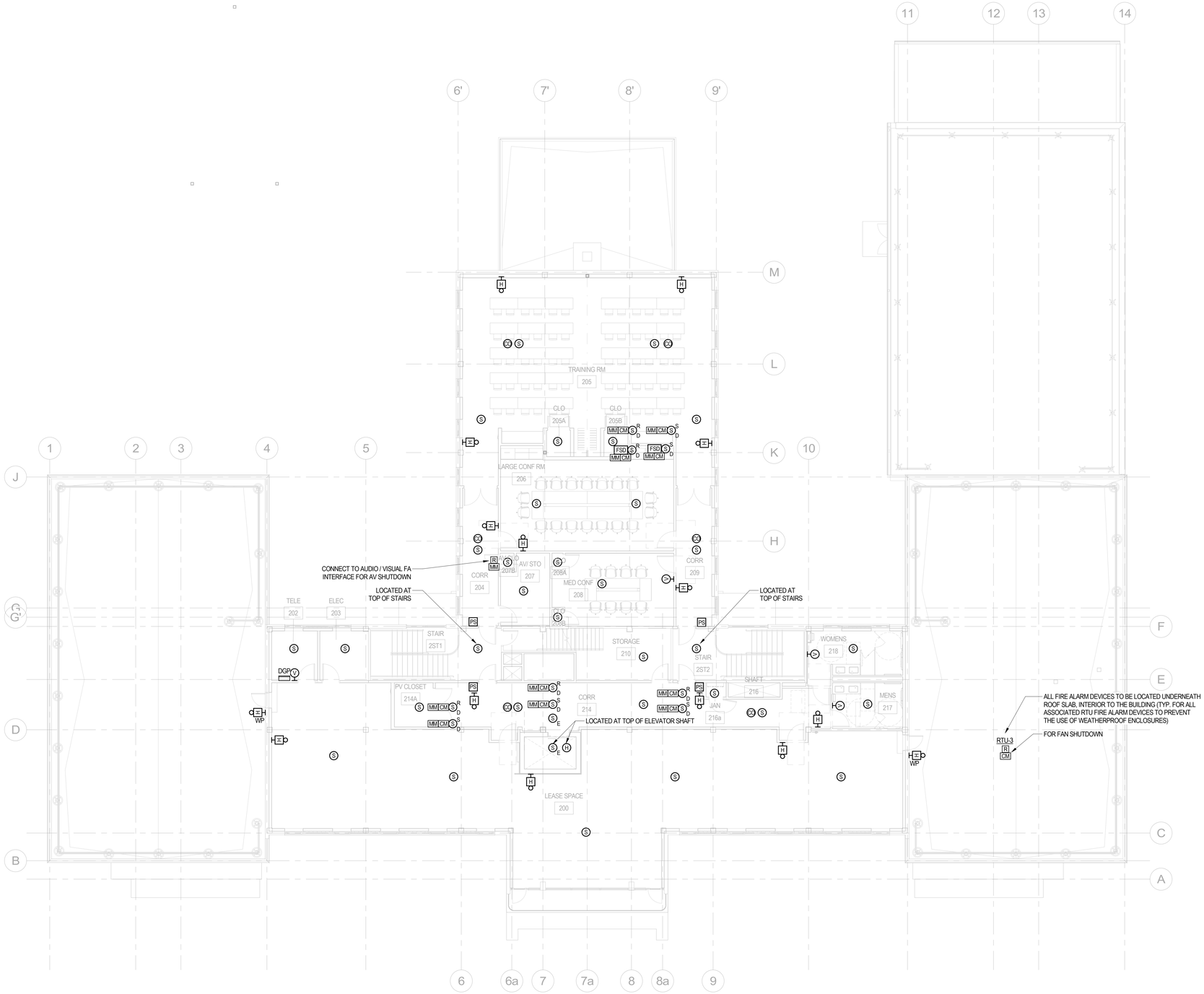
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FIRE ALARM 1ST FLOOR PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER FA-200
SHEET 145 of 162
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1 LEVEL 02
1/8" = 1'-0"

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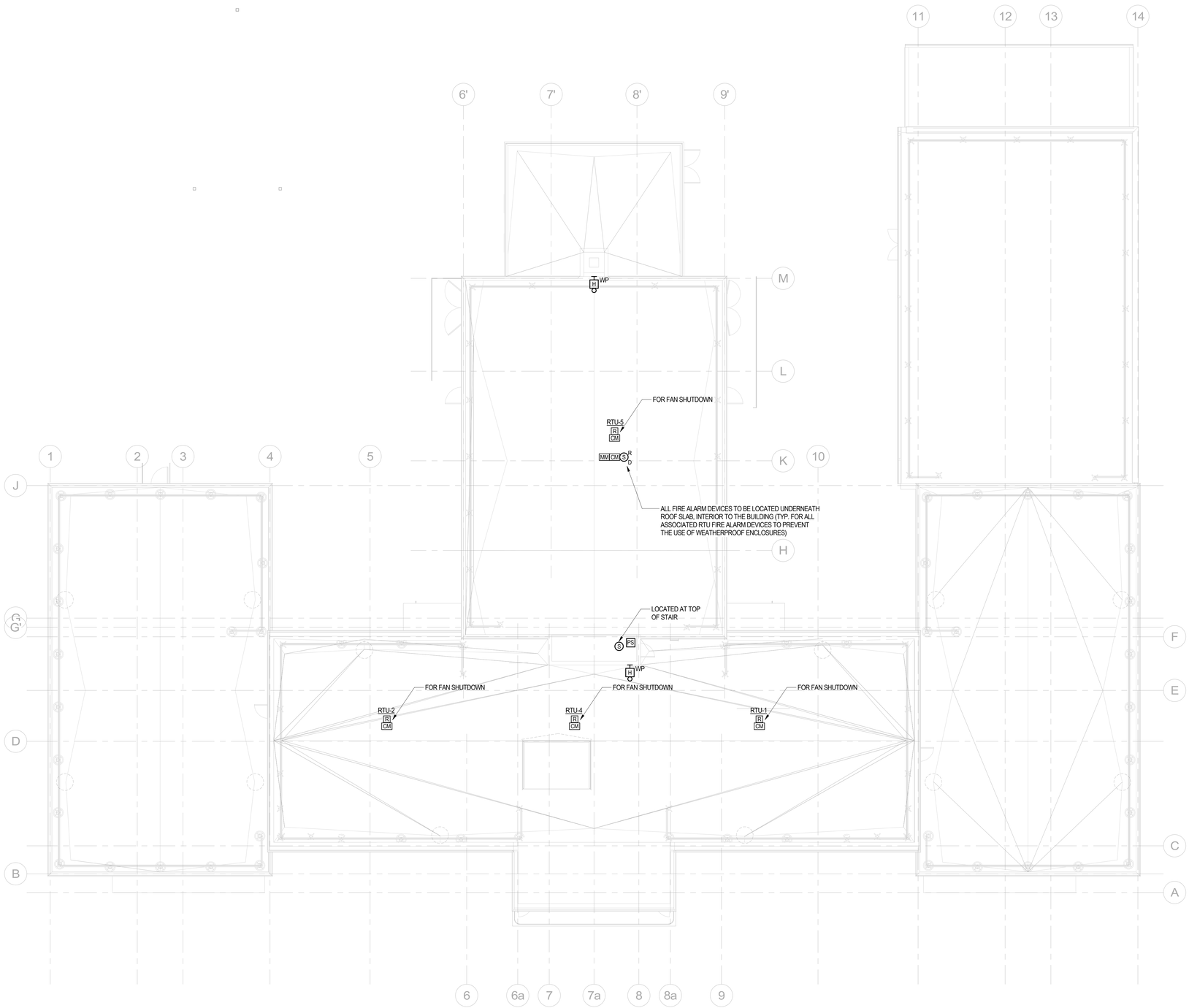
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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

FIRE ALARM 2ND FLOOR PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER FA-201
SHEET 146 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-FA-519-0
REV NO. 0



1 ROOF
1/8" = 1'-0"

N

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Revision	Date	Description
	08/08/2025	90% CD
	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

ISSUED FOR BID
DATE: 09/02/2026

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

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PROJECT COORDINATOR
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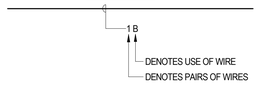
FIRE ALARM ROOF PLAN

CONTRACT NUMBER 25-532
SHEET NUMBER FA-202
SHEET 147 of 162
SCALE: AS SHOWN
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REV NO. 0

FIRE ALARM SYSTEM WIRING

LTR	DESCRIPTION	AWG	# OF COND.	SHIELD
A	(SLC) ADDRESSABLE LOOP	16	2	NO
B	(NAC) HORN CIRCUIT	14	2	YES
F	DATA/VOICE NETWORK	16	2	NO
K	120VAC POWER	12	2	NO
P	24VDC POWER	14	2	NO
PH	PHONE LINE CABLE *	22	6	NO
* - CAT6 CABLING ALTERNATE IS ACCEPTABLE. COORDINATE WITH FIRE ALARM VENDOR				

CABLE EXAMPLE:

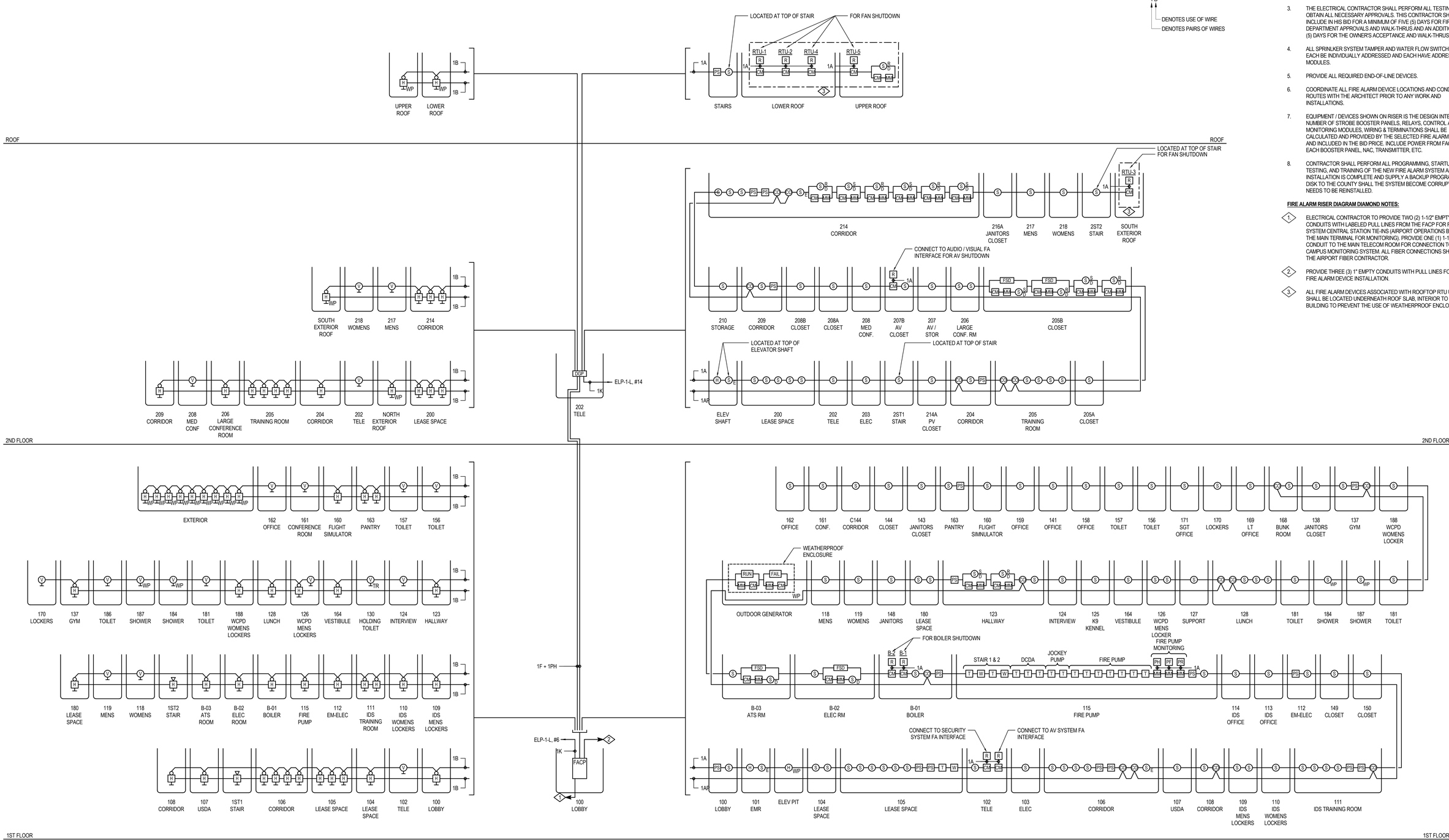


FIRE ALARM RISER DIAGRAM GENERAL NOTES:

1. THE RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSES ONLY. THE FIRE ALARM CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT RISER DIAGRAM WITH ACTUAL FIELD WIRING. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS TO THE OWNER, ENGINEER AND FIRE DEPARTMENT FOR APPROVAL. AS-BUILT FLOOR PLANS AND RISER DIAGRAMS SHALL CONTAIN ALL DEVICES INDICATING ROOM NAME, ROOM NUMBER, WIRE SIZES, PROGRAMMED ADDRESS NUMBERS, SYMBOL LIST, DESCRIPTION, LOCATION OF END-OF-LINE RESISTORS, ETC. A POST AS-BUILT RISER SHALL BE PROVIDED IN A FRAMED GLASS AT THE MAIN FIRE ALARM PANEL LOCATION.
2. THE FIRE ALARM SYSTEM WIRING IS SHOWN AS AN ESTIMATE ONLY. THE ELECTRICAL CONTRACTOR SHALL HAVE THE FIRE ALARM VENDOR CALCULATE AND PROVIDE THE REQUIRED NUMBER OF POWER SUPPLIES. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE APPROPRIATE AMOUNT OF INITIATION AND NOTIFICATION CIRCUITS.
3. THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL TESTING AND OBTAIN ALL NECESSARY APPROVALS. THIS CONTRACTOR SHALL INCLUDE IN HIS BID FOR A MINIMUM OF FIVE (5) DAYS FOR FIRE DEPARTMENT APPROVALS AND WALK-THRUS AND AN ADDITIONAL FIVE (5) DAYS FOR THE OWNER'S ACCEPTANCE AND WALK-THRUS.
4. ALL SPRINLKER SYSTEM TAMPER AND WATER FLOW SWITCHES SHALL EACH BE INDIVIDUALLY ADDRESSED AND EACH HAVE ADDRESSABLE MODULES.
5. PROVIDE ALL REQUIRED END-OF-LINE DEVICES.
6. COORDINATE ALL FIRE ALARM DEVICE LOCATIONS AND CONDUIT ROUTES WITH THE ARCHITECT PRIOR TO ANY WORK AND INSTALLATIONS.
7. EQUIPMENT / DEVICES SHOWN ON RISER IS THE DESIGN INTENT. FINAL NUMBER OF STROBE BOOSTER PANELS, RELAYS, CONTROL AND MONITORING MODULES, WIRING & TERMINATIONS SHALL BE CALCULATED AND PROVIDED BY THE SELECTED FIRE ALARM VENDOR AND INCLUDED IN THE BID PRICE. INCLUDE POWER FROM FACP TO EACH BOOSTER PANEL, NAC, TRANSMITTER, ETC.
8. CONTRACTOR SHALL PERFORM ALL PROGRAMMING, STARTUP, TESTING, AND TRAINING OF THE NEW FIRE ALARM SYSTEM AFTER INSTALLATION IS COMPLETE AND SUPPLY A BACKUP PROGRAMMING DISK TO THE COUNTY SHALL THE SYSTEM BECOME CORRUPT AND NEEDS TO BE REINSTALLED.

FIRE ALARM RISER DIAGRAM DIAMOND NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE TWO (2) 1-1/2" EMPTY CONDUITS WITH LABELED PULL LINES FROM THE FACP FOR FIRE ALARM SYSTEM CENTRAL STATION TIE-INS (AIRPORT OPERATIONS BRIDGE IN THE MAIN TERMINAL FOR MONITORING). PROVIDE ONE (1) 1-1/2" EMPTY CONDUIT TO THE MAIN TELECOM ROOM FOR CONNECTION TO THE CAMPUS MONITORING SYSTEM. ALL FIBER CONNECTIONS SHALL BE BY THE AIRPORT FIBER CONTRACTOR.
2. PROVIDE THREE (3) 1" EMPTY CONDUITS WITH PULL LINES FOR FUTURE FIRE ALARM DEVICE INSTALLATION.
3. ALL FIRE ALARM DEVICES ASSOCIATED WITH ROOFTOP RTU UNITS SHALL BE LOCATED UNDERNEATH ROOF SLAB, INTERIOR TO THE BUILDING TO PREVENT THE USE OF WEATHERPROOF ENCLOSURES.



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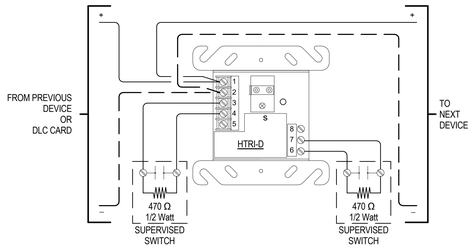
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FIRE ALARM RISER DIAGRAM

CONTRACT NUMBER 25-532
SHEET NUMBER FA-500
SHEET 148 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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REV NO. 0

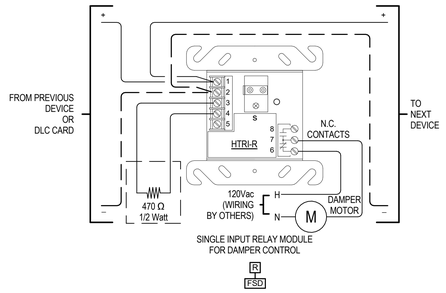
FIRE ALARM DETAILS



NOTE:

1. WIRING OF DEVICES TO BE AS DIRECTED BY FIRE ALARM VENDOR. MINIMUM WIRE SIZE - 18 AWG

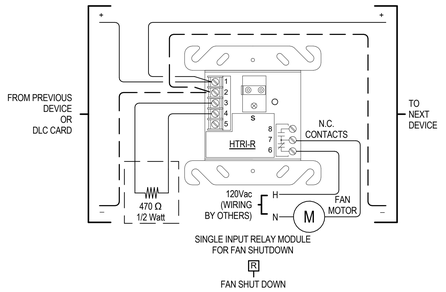
1 DUAL INPUT MONITORING MODULE
SCALE:N.T.S.



NOTE:

1. WIRING OF DEVICES TO BE AS DIRECTED BY FIRE ALARM VENDOR. MINIMUM WIRE SIZE - 18 AWG

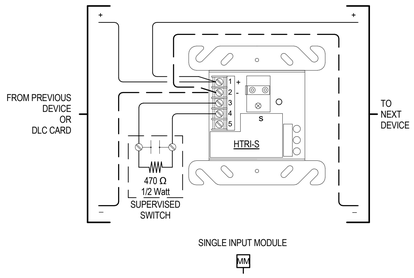
2 SINGLE INPUT RELAY MODULE FOR DAMPER CONTROL
SCALE:N.T.S.



NOTE:

1. WIRING OF DEVICES TO BE AS DIRECTED BY FIRE ALARM VENDOR. MINIMUM WIRE SIZE - 18 AWG

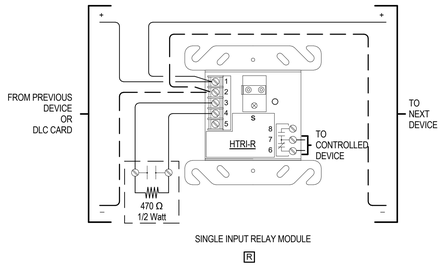
3 SINGLE INPUT RELAY MODULE FOR FAN SHUTDOWN
SCALE:N.T.S.



NOTE:

1. WIRING OF DEVICES TO BE AS DIRECTED BY FIRE ALARM VENDOR. MINIMUM WIRE SIZE - 18 AWG

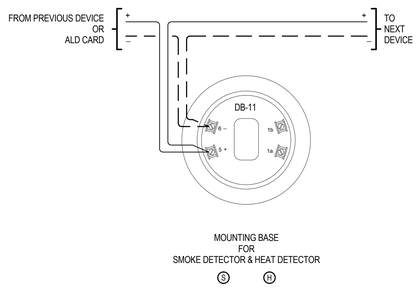
4 SINGLE INPUT MONITORING MODULE
SCALE:N.T.S.



NOTE:

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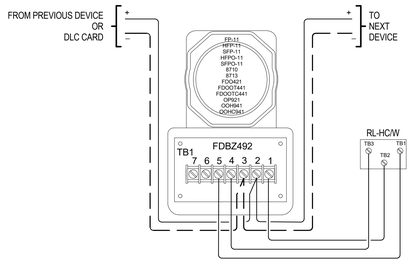
5 SINGLE INPUT RELAY MODULE
SCALE:N.T.S.



NOTE:

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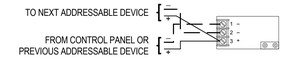
6 MOUNTING BASE FOR SMOKE DETECTOR & HEAT DETECTOR
SCALE:N.T.S.



NOTE:

1. WIRING OF DEVICES TO BE AS DIRECTED BY FIRE ALARM VENDOR. MINIMUM WIRE SIZE - 18 AWG

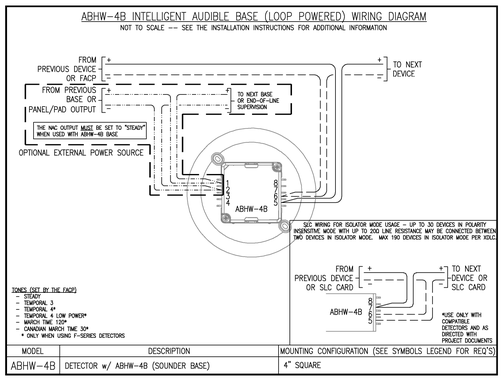
7 DUCT SMOKE DETECTOR HOSING W/ REMOTE LAMP INDICATOR
SCALE:N.T.S.



NOTE:

1. WIRING OF DEVICES TO BE AS DIRECTED BY FIRE ALARM VENDOR. MINIMUM WIRE SIZE - 18 AWG

8 TSM-1X INTELLIGENT TEST SWITCH MODULE
SCALE:N.T.S.



5 MOUNTING BASE FOR CARBON MONOXIDE DETECTOR
SCALE:N.T.S.

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FIRE ALARM DETAILS

CONTRACT NUMBER 25-532
SHEET NUMBER FA-700
SHEET 149 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-FA-522-0
REV NO. 0

TECHNOLOGY LEGEND AND ABBREVIATIONS

ABBREVIATIONS LEGEND

AC	ABOVE COUNTER
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
ABG	ABOVE FINISHED GRADE
ALS	ASSISTIVE LISTNING SYSTEM
ALT	ALTERNATE
AMP, A	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ANT	ANTENNA
ATR	ALL THREADED ROD
AWG	AMERICAN WIRE GAUGE
BDA	BI-DIRECTIONAL ANTENNA
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BICSI	BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL
BMS	BUILDING MANAGEMENT SYSTEM
BOM	BILL OF MATERIAL
C	CONDUIT
CAM	CAMERA
CAT	CATEGORY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CLEC	COMPETITIVE LOCAL EXCHANGE CARRIER
CLG	CEILING
CMP	COMMUNICATIONS PLENUM CABLE
CMR	COMMUNICATIONS RISER CABLE
CNTL	CONTROL
CO	CENTRAL OFFICE
COAX	COAXIAL
CP	CONTROL PANEL
CPU	CENTRAL PROCESSING UNIT
CT	CABLE TRAY
DA	DISTRIBUTION AMPLIFIER
DAS	DISTRIBUTED ANTENNA SYSTEM
DB	DECIBEL
DEMARC	DEMARCATION
DIA	DIAMETER
DSP	AUDIO DIGITAL SIGNAL PROCESSOR
DWG	DRAWING
E	EMERGENCY
(E)	EXISTING
E.G.	FOR EXAMPLE
EIA	ELECTRONICS INDUSTRY ALLIANCE
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMI	ELECTROMAGNETC INTERFERENCE
ERRCS	EMERGENCY RESPONDER RADIO COVERAGE SYSTEM
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FCC	FEDERAL COMMUNICATIONS COMMISSION
FDU	FIBER OPTIC DISTRIBUTION UNIT
FO	FIBER OPTIC
FR	FIRE RATED
FT	FOOT/FEET
GB	GIGABYTE
GBPS	GIGABITS PER SECOND
GC	GENERAL CONTRACTOR
GE	GROUNDING EQUALIZER

ABBREVIATIONS LEGEND

GMP	GUARANTEED MAXIMUM PRICE
GND	GROUND
GUI	GRAPHICAL USER INTERFACE
HC	HORIZONTAL CROSS-CONNECT
HDBT	HDBase T
HDMI	HDMI MEDIA CONNECTION
HH	HANDHOLE
HNC	HOME NETWORKING CABINET
HVAC	HEATING, VENTILATION, AND AIR-CONDITIONING
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IEC	INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN	INCHES
INSQ	SQUARE INCHES
INT	AUDIOVISUAL INTERFACE (CONNECTION POINT)
IR	INFRARED
ISO	INTERNATIONAL ORGANIZATION OR STANDARDS
IT	INFORMATION TECHNOLOGY
J-BOX, JB	JUNCTION BOX
KCMIL	THOUSANDS OF CIRCULAR MILLS
KM	KILOMETER
KVA	KILOVOLT AMPERES
KW	KILOWATT
LAN	LOCAL AREA NETWORK
LAUD	LINE-LEVEL AUDIO
LEC	LOCAL EXCHANGE CARRIER (OR SP)
LED	LIGHT-EMITTING DIODE
LV	LOW VOLTAGE
M	METER
MAN	METROPOLITAN AREA NETWORK
MATV	MASTER ANTENNA TELEVISION
MAUD	MICROPHONE-LEVEL AUDIO
MAX	MAXIMUM
MB	MEGABYTE
MBPS	MEGABITS PER SECOND
MC	MAIN CROSS-CONNECT
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER
MMP	MULTIMEDIA PANEL
MPOE	MAIN POINT OF ENTRY
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NET	COMPUTER NETWORK
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NETWORK INTERFACE CARD
NID	NETWORK INTERFACE DEVICE
NM	NANOMETER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OEM	ORIGINAL EQUIPMENT MANUFACTURER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFE	OWNER - FURNISHED EQUIPMENT

ABBREVIATIONS LEGEND

OFOI	OWNER FURNISHED OWNER INSTALLED
OS	OPERATING SYSTEM
OSP	OUTSIDE PLANT
PA	PUBLIC ADDRESS
PABX	PRIVATE AUTOMATIC BRANCH EXCHANGE
PBX	PRIVATE BRANCH EXCHANGE
PB	PULL-BOX
PC	PERSONAL COMPUTER
PIR	PASSIVE INFRARED
PNL	PANEL
POE	POWER OVER ETHERNET
POTS	PLAIN OLD TELEPHONE SERVICE
PR	PAIRS (NUMBER OF PAIRS IN COPPER CABLE)
PRJ	PROJECTOR
PRJ SCRN	PROJECTOR SCREEN
PROX	PROXIMITY
PTZ	PAN TILT ZOOM
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
RCDD	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
RFI	RADIO FREQUENCY INTERFACE
RM	ROOM
RMC	RIGID METALLIC CONDUIT
RU	RACK UNIT; UNIT OF PATCH PANEL HEIGHT EQUAL TO 1.75 INCH
SAUD	LOUDSPEAKER - LEVEL AUDIO
SP	SERVICE PROVIDER
SPK	LOUDSPEAKER
SRF	SURFACE (MOUNT)
STD	STANDARD
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBD	TO BE DETERMINED
TCP/IP	TRANSMISSION CONTROL PROTOCAL W/INTERNET PROTOCOL
TDMM	TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL
TEL	TELEPHONE
TELCO	TELEPHONE COMPANY (SP)
TELECOM	TELECOMMUNICATIONS
TEMP	TEMPERATURE
TGB	TELECOMMUNICATIONS GROUND BUS BAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TMGB	TELECOMMUNICATIONS MAIN GROUND BUS BAR
TR	TELECOMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TX	TRANSMITTER
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UL	UNDERWRITER LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTED POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
W	WATT
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WI-FI	WIRELESS FIDELITY
WLAN	WIRELESS LOCAL AREA NETWORK
WP	WEATHERPROOF
(X)	EXISTING - TO BE DEMOLISHED

GENERAL SYMBOLS LEGEND

	CABLE TRAY
J	J-HOOK PATHWAY
	TELEPHONE BLACKBOARD
PB	PULLBOX
HH	HANDHOLE
UT	TELECOM VAULT
	SURFACE RACEWAY
TGB	TELECOM GROUND BUSBAR
TMGB	TELECOM MAIN GROUND BUSBAR

AUDIO/VIDEO SYMBOLS LEGEND

	STANDARD A/V OUTLET WITH 5-SQUARE BOX
	STANDARD A/V FLOOR BOX
	POKE-THRU A/V
	CEILING MOUNT A/V
SP	CEILING AUDIO REINFORCEMENT SPEAKER
SP	WALL AUDIO REINFORCEMENT SPEAKER
D	DISPLAY LOCATION, # = DIAGONAL SIZE
	PROJECTOR
	WALL SPEAKER CLOCK
	WALL CLOCK
M	CEILING MOUNTED MICROPHONE
M	TABLETOP MOUNTED MICROPHONE
CP	AV CONTROL PANEL

TELECOMMUNICATIONS SYMBOLS LEGEND

	STANDARD COMMUNICATIONS OUTLET
4	# = QUANTITY OF CAT6 CABLES
AC	ABOVE COUNTER
	STANDARD DATA OUTLET
W	STANDARD WIRELESS ACCESS POINT OUTLET
	STANDARD FLOOR COMMUNICATIONS OUTLET
4	# = QUANTITY OF CAT6 CABLES
	STANDARD POKE-THRU COMMUNICATIONS OUTLET

SECURITY SYMBOLS LEGEND

	FIXED CAMERA
PTZ	PTZ CAMERA
	DOME CAMERA
DC	DOOR CONTACT
EL	ELECTRIFIED LOCK
PB	PANIC BUTTON
REX	REQUEST TO EXIT
ACP	ACCESS CONTROL PANEL
BLS	BLUE LIGHT STATION
MD	MOTION DETECTOR
GB	GLASS BREAK SENSOR
C	CARD READER
K	KEYPAD
H	HANDICAP ADA PUSH BUTTON
ES	ELECTRIC STRIKE
	SECURITY CONTROL PANEL
ER	ELECTRIC LATCH W/ INTEGRAL REX

TECHNOLOGY GENERAL NOTES

GENERAL NOTES:

1. THIS IS A STANDARD LEGEND SHEET, SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PROJECT DRAWINGS.
2. THE TECHNOLOGY DRAWINGS ARE PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF DRAWINGS LISTED BY THE "INDEX OF DRAWINGS." DISCIPLINES ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED.
3. COMMUNICATIONS RACEWAYS, TRAYS, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. LOCATIONS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. REFER TO THE ARCHITECTURAL PLANS AND OBTAIN THE APPROVAL OF THE ARCHITECT FOR ACTUAL LOCATIONS AN ELEVATIONS OF ALL DEVICES.
4. CONTRACTOR SHALL ENSURE THAT ALL MOUNTING HEIGHTS COMPLY WITH THE REQUIREMENTS SET BY ICC A177.1-2009.
5. ABOVE COUNTER DEVICES SHALL BE MOUNTED 8" ABOVE COUNTER OR A MAXIMUM OF 44" AFF (TO TOP OF DEVICE)
6. CONSTRUCTION DETAILS SHOW TYPICAL INSTALLATION. UON, AND APPLY TO ALL COMMUNICATIONS WORK INCLUDED IN THE SUMMARY OF WORK FOR THIS PACAKAGE EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE PLAN DRAWINGS.
7. INSTALL PULL STRINGS IN ALL CONDUITS AT THE TIME OF CONDUIT AND CABLE INSTALLATION.
8. PROVIDE SUPPORTS AND ANCHORING FOR PIPING, CONDUIT, DUCTS, EQUIPMENT AND OTHER NON-STRUCTURAL ELEMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. PROVIDE SOUND PUTTY PADS IN ALL BACKBOXES PROVIDED.
10. FIRESTOPPING: ALL PENETRATIONS THROUGH RATED WALLS AN FLOORS AN CONDUIT/SLEEVE OPENINGS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES, HOT GASSES AN SMOKE WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR ALL APPLICABLE CODES.
11. ALL COMMUNICATIONS CONDUIT, CABLE TRAYS, LADDER RACKS AND EQUIPMENT RACKS SHALL BE BONDED TO BUILDING GROUND SYSTEM PER NEC 250 AND ANSI/TIA-607-B.
12. LABEL ALL CLOSETS, RACKS, FRAMES, CABINETS, TERMINATION BLOCKS, CABLES, TERMINATIONS, RACEWAYS, ETC. IN ACCORDANCE WITH ANSI/TIA-606-B.
13. ALL COMMUNICATIONS RACEWAYS AND PATHWAYS SHALL BE INSTALLED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH LIMITATIONS FOR HORIZONTAL CABLE DISTRIBUTION (I.E. CAT6A). BASIC LINK CABLE LENGTHS SHALL NOT EXCEED 295-FEET (90M) FOR UTP CABLE, 200-FEET (60M) FOR SERIES-6 COAXIAL CABLES.
14. ALL COMMUNICATIONS CABLE SHALL BE PLENUM RATED (CMP), RISER RATED (CMR) AND UDNERGROUND RATED (WATERBLOCK) ACCORDING TO USE AND ENVIRONMENTAL CONDITIONS.
15. PROVIDE PROTECTIVE BUSHINGS ON ALL COMMUNICATION CONDUITS AND WHERE CABLING ROUTES THROUGH METAL STUDS.
16. ALL NON-ARMORED FIBER OPTIC CABLE SHALL BE INSTALLED IN APPROVED INNERDUCT.
17. ALWAYS INSTALL LOW-VOLTAGE CABLES IN CONDUITS, CABLE TRAYS, WIREWAYS OR OTHER APPROVED CABLE MANAGEMENT DEVICES OR SYSTEMS. NEVER INSTALL CABLES IN SUCH A MANNER THAT THEY ARE SUPPORTED BY CEILING SYSTEMS (CEILING TILES OR GRID, GYPSUM BOARD, LATH & PLASTER), HVAC DUCTS OR PIPES, LIGHTING FIXTURES, ELECTRICAL CONDUITS OR CABLES, PLUMBING/FIRE PROTECTION PIPES, OR ANY OTHER DEVICES NOT INTENDED FOR THE SUPPORT OF LOW-VOLTAGE CABLING.
18. PROVIDE WEATHERPROOF, IN-USE COVER FOR EXTERIOR RATED DEVICES.
19. ALL CABLE TRAY MOUNTING HEIGHTS INDICATED ON FLOOR PLANS ARE TO THE BOTTOM OF THE CABLE TRAY SUPPORTS.
20. SEISMIC BRACING FOR ALL CABLE TRAYS SHALL BE PROVIDED AS REQUIRED BY CODE, LOCAL GOVERNING JUSIDICTION AN CABLE TRAY AMNUFACTURER SPECIFICATIONS.
21. ALL CABLE TRAY ROUTING THROUGH ELECTRICAL ROOMS SHALL BE FULLY ENCLOSED. REFER TO CABLE TRAY DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
22. REUSABLE VELCRO TIES SHALL BE USED TO BUNDLE OR MANAGE CABLES. PLASTIC DIP TIES ARE NOT APPROVED FOR USE.
23. SIZE AND ORIENTATION OF ALL TELECOM PULL-BOXES SHALL MEET OR EXCEED THE BICSI TDMM REQUIREMENTS.
24. ALL LOW-VOLTAGE CONDUIT LARGER THAN 2" SHALL HAVE A MINIMUM BEND RADIUS OF 10:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS, ALL LOW-VOLTAGE CONDUIT 2" AND SMALLER SHALL HAVE A MINIMUM BEND RADIUS OF 6:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS.

TECHNOLOGY SHEET LIST

SHEET NUMBER	SHEET NAME
T-001.00	TECHNOLOGY LEGEND & ABBREVIATIONS
T-200.00	TECHNOLOGY 1ST FLOOR PLAN
T-201.00	TECHNOLOGY 2ND FLOOR PLAN
T-202.00	TECHNOLOGY UPPER ROOF PLAN
T-202A.00	TECHNOLOGY LOWER ROOF PLAN
T-450.00	TECHNOLOGY ENLARGED PLANS
T-550.00	TECHNOLOGY DIAGRAMS
T-551.00	TECHNOLOGY DIAGRAMS
T-552.00	TECHNOLOGY DIAGRAMS
T-553.00	TECHNOLOGY DIAGRAMS
T-554.00	TECHNOLOGY DISPLAY ELEVATIONS
T-700.00	TECHNOLOGY DETAILS
T-701.00	TECHNOLOGY DETAILS

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

TECHNOLOGY LEGEND & ABBREVIATIONS
SHEET TITLE

CONTRACT NUMBER: 25-532
SHEET NUMBER: T-001.00
SHEET 150 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-T-523-0
REV NO.: 0

PRINTED: 9/2/2026 9:14:13 AM
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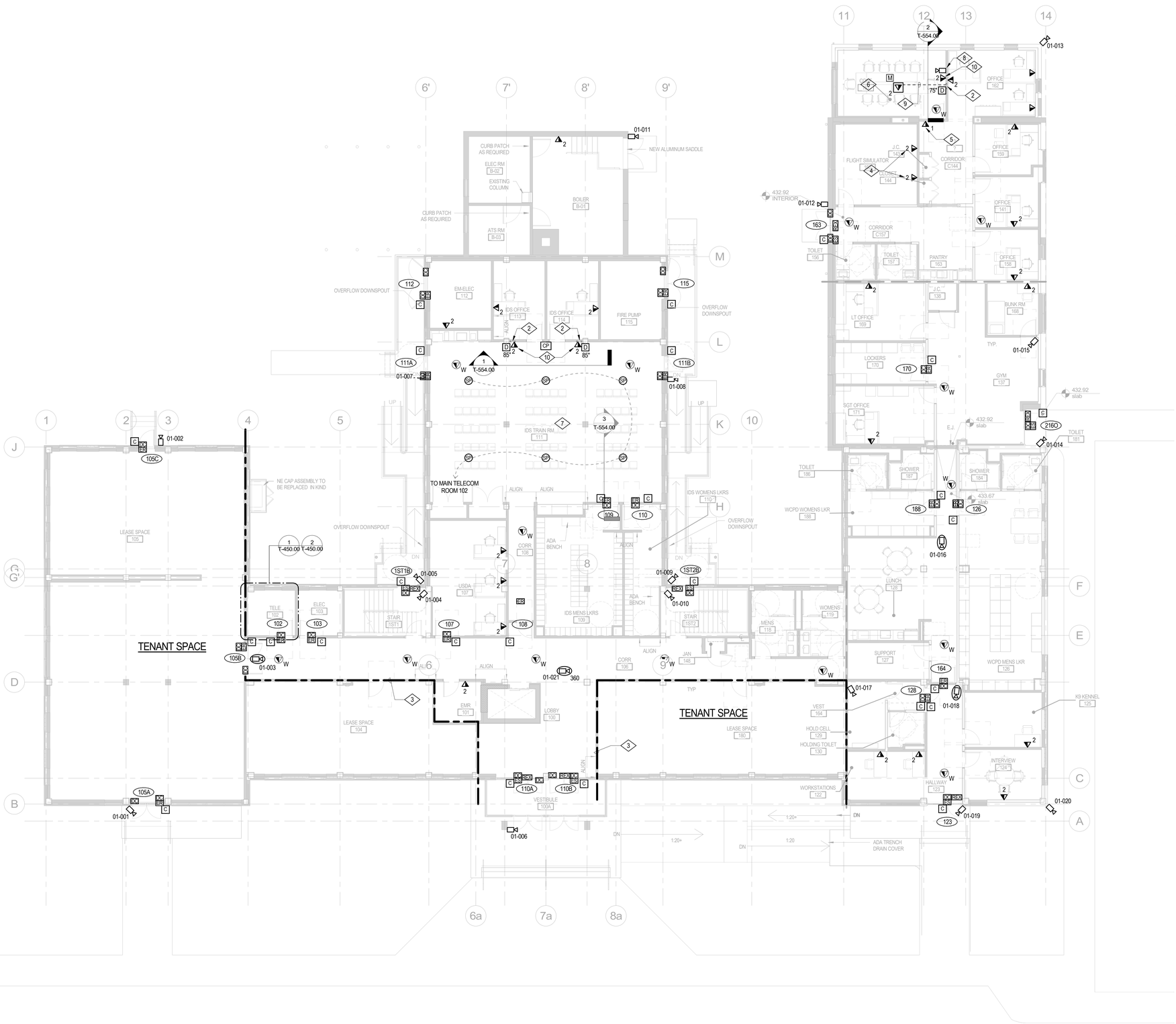
GENERAL NOTES

A. WIRELESS ACCESS POINTS TO BE PROVIDED SEPERATLY BY THE IT DEPARTMENT

B. ALL IT EQUIPMENT INCLUDED ON DRAWINGS AND SPECIFICAITONS WILL BE TO BE COORDINATED AND PROCURED THROUGH THE COUNTY IT DEPARTMENT.

NUMBERED NOTES

1. DATA OUTLET FOR AV EQUIPMENT RACK
2. CHEIF WALL BOX MOUNTED BEHIND DISPLAY
3. TENANT SEPARATING WALLS
4. CONFIRM EXACT LOCATIONS FOR DATA OUTLETS FOR FLIGHT SIMULATOR WITH ARCHITECT. 1 CABLE WILL BE A 6-PAIR CAT6 CABLE, 1 CABLE WILL BE A 4-PAIR CAT6 CABLE.
5. DATA DROP FOR ROOM SCHEDULER
6. WIRING DIAGRAM FOR CONFERENCE ROOM ON 1/T-552.00
7. WIRING DIAGRAM FOR IDS TRAINING ROOM ON 3/T-552.00
8. ALL-IN-ONE CONFERENCING BAR
9. 1-1/2" CONDUIT IN SLAB CONNECTING WALL BOX TO FLOOR BOX
10. DATA DROPS FOR DISPLAY TO GO TO WALL BOX



1 1ST FLOOR PLAN
1/8" = 1'-0"

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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

TECHNOLOGY 1ST FLOOR PLAN
SHEET TITLE

CONTRACT NUMBER 25-532
SHEET NUMBER T-200.00
SHEET 151 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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REV NO. 0

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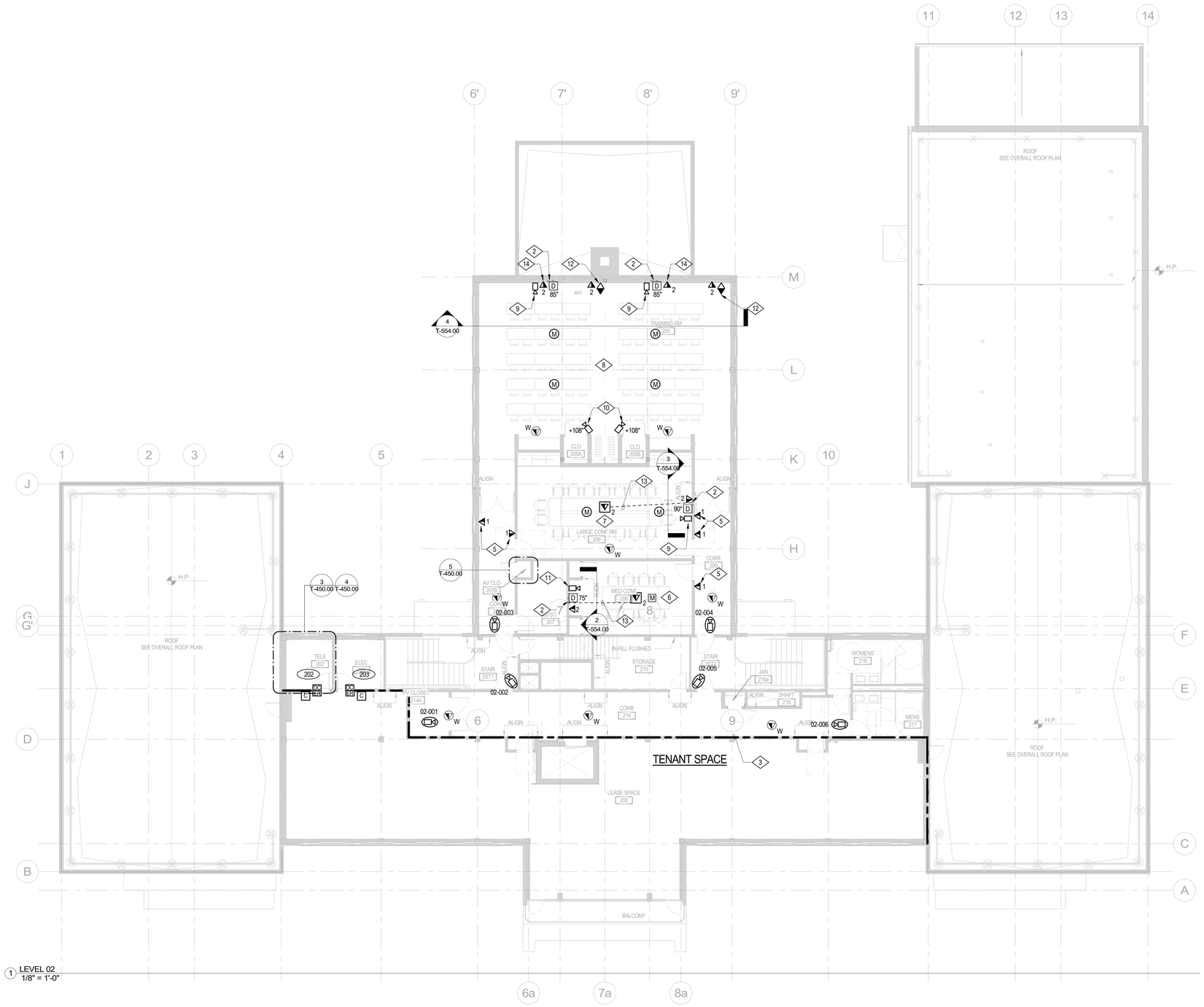
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NUMBERED NOTES

1. DATA OUTLET FOR AV EQUIPMENT RACK
2. CHEIF WALL BOX MOUNTED BEHIND DISPLAY
3. TENANT SEPARATING WALLS
5. DATA DROP FOR ROOM SCHEDULAR
6. WIRING DIAGRAM FOR CONFERENCE ROOM ON 1/T-552.00
7. WIRING DIAGRAM FOR CONFERENCE ROOM ON 2/T-552.00
8. WIRING DIAGRAM FOR TRAINING ROOM ON 1/T-553.00
9. CISCO QUAD CAMERA
10. CISCO PTZ CAMERA
11. ALL-IN-ONE CONFERENCING BAR
12. AV WALL OUTLET FOR BYOD AND TABLE TOP CONTROLLER CONNECTIONS
13. 1-1/2" IN SLAB CONDUIT CONNECTING WALL BOX TO FLOOR BOX
14. DATA DROPS FOR DISPLAY TO GO TO WALL BOX



1 LEVEL 02
1/8" = 1'-0"

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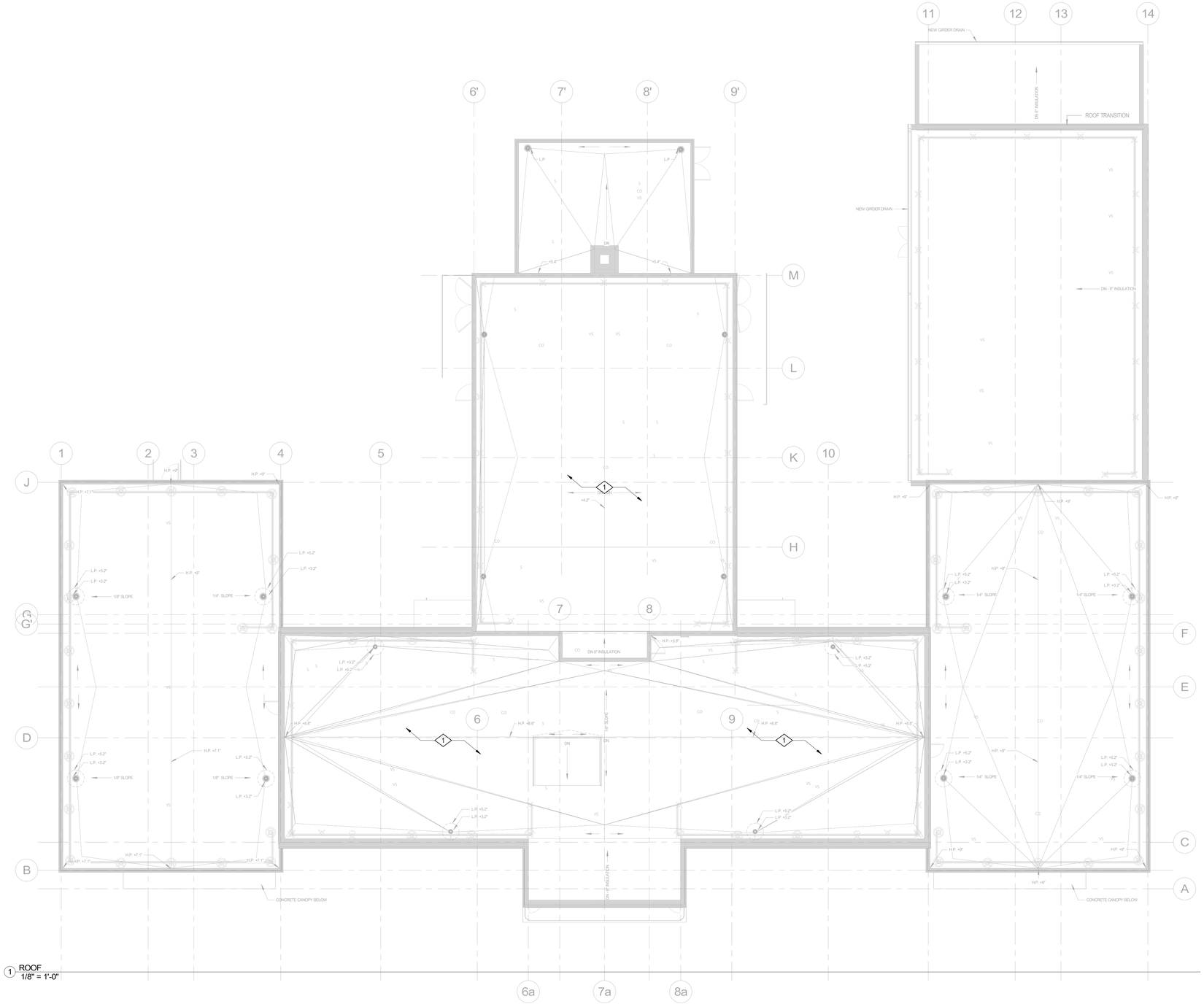
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BUILDING 1 REHABILITATION
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TECHNOLOGY 2ND FLOOR PLAN
SHEET TITLE

CONTRACT NUMBER: 25-532
SHEET NUMBER: T-201.00
SHEET 152 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-T-525-0
REV NO.: 0



1 ROOF
1/8" = 1'-0"

NUMBERED NOTES

1. EXISTING ANTENNAS ATTACHED TO THE EXTERIOR OF THE BUILDING SHALL BE REMOVED BY OWNERSHIP OR BUILDING TENANT STORE FOR RE-INSTALLATION AT THE END OF CONSTRUCTION IF SO CHOSEN.

   ANY REMAINING WIRING AND PATHWAYS REMAINING FROM THE EXISTING ANTENNAS SHALL BE REMOVED AND PATCHING OF HOLES IN THE EXTERIOR WALL SHALL BE PERFORMED BY THE GC.

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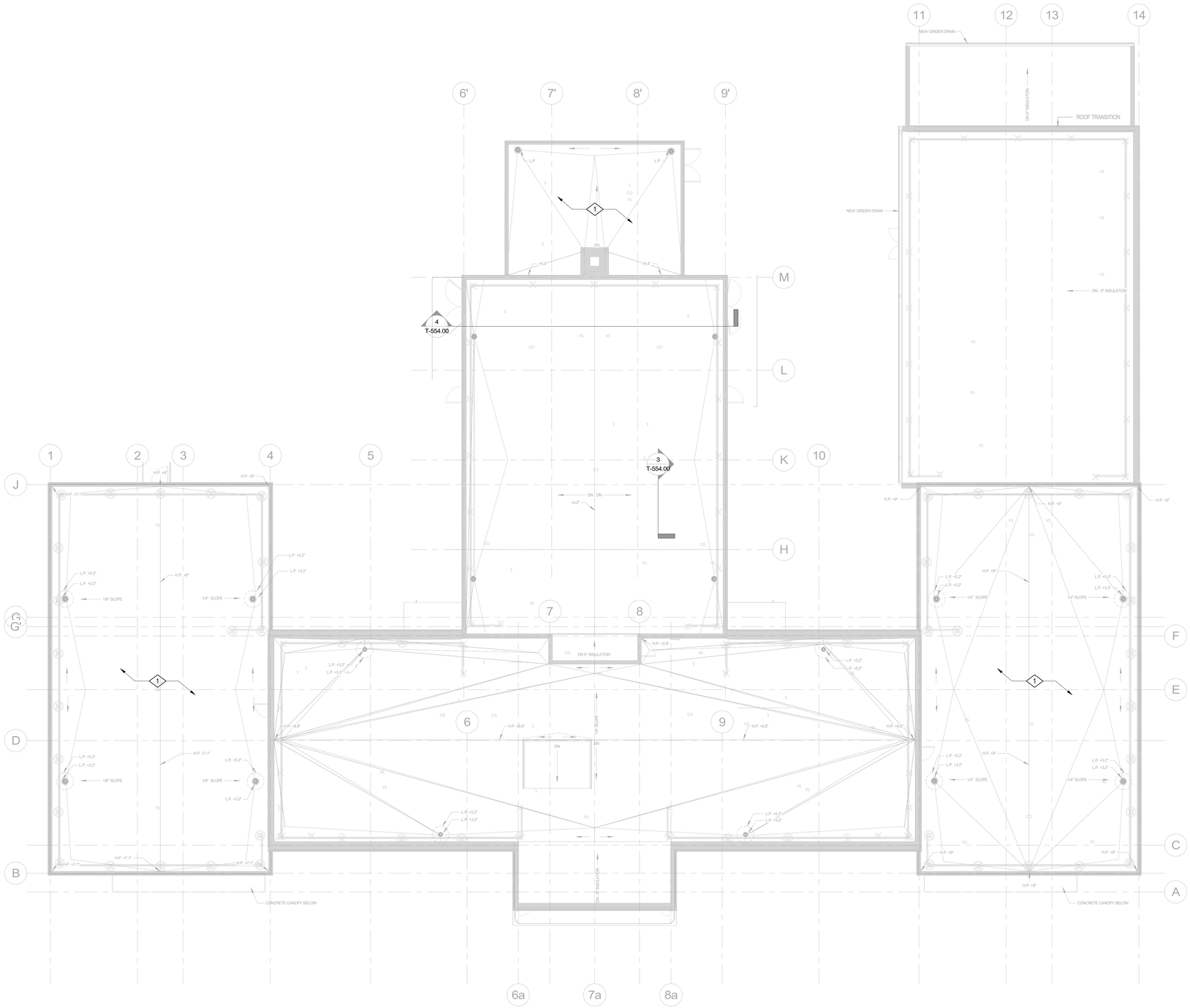
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

TECHNOLOGY UPPER ROOF PLAN

SHEET TITLE

CONTRACT NUMBER: 25-532
SHEET NUMBER: T-202.00
SHEET 153 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO.: 48-08-T-526-0
REV NO.: 0



NUMBERED NOTES

1. EXISTING ANTENNAS ATTACHED TO THE EXTERIOR OF THE BUILDING SHALL BE REMOVED BY OWNERSHIP OR BUILDING TENANT STORE FOR RE-INSTALLATION AT THE END OF CONSTRUCTION IF SO CHOSEN.

   ANY REMAINING WIRING AND PATHWAYS REMAINING FROM THE EXISTING ANTENNAS SHALL BE REMOVED AND PATCHING OF HOLES IN THE EXTERIOR WALL SHALL BE PERFORMED BY THE GC.

1 ROOF
1/8" = 1'-0"

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TECHNOLOGY LOWER ROOF PLAN

SHEET TITLE

CONTRACT NUMBER: 25-532
SHEET NUMBER: T-202A.00
SHEET 154 of 162
SCALE: AS SHOWN
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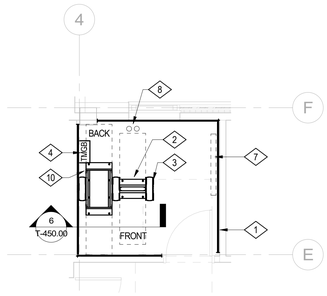
GENERAL NOTES

A. NETWORK SWITCHES AND SERVERS TO BE PROVIDED SEPERATLY BY THE IT DEPARTMENT

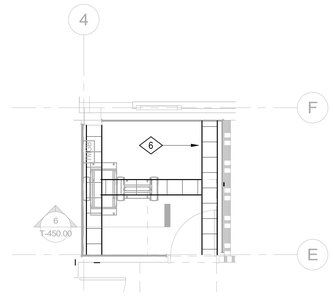
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NUMBERED NOTES

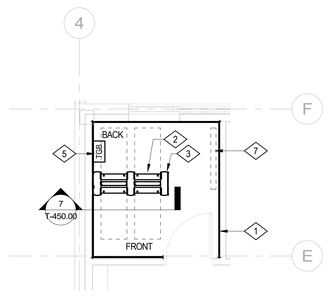
1. 3/4" FIRE RATED PLYWOOD BACKBOARD
2. 2 - POST EQUIPMENT RACK, TYP.
3. 6" VERTICAL WIRE MANAGER, TYP.
4. TELECOM MAIN GROUND BUSBAR
5. TELECOM GROUND BUSBAR
6. 12" W OVERHEAD LADDER RACK
7. WALL SPACE RESERVED FOR SECURITY EQUIPMENT
8. (2) - 4" CONDUIT SLEEVES
9. WALL MOUNTED AV RACK
10. 4 - POST EQUIPMENT RACK



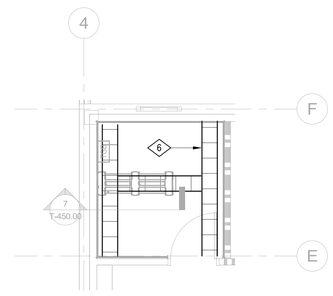
2 1ST FLOOR - MAIN TELECOM ROOM EQUIPMENT PLAN
1/4" = 1'-0"



1 1ST FLOOR - MAIN TELECOM ROOM LADDER PLAN
1/4" = 1'-0"



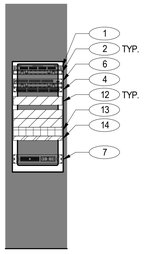
4 2ND FLOOR - TELECOM ROOM EQUIPMENT PLAN
1/4" = 1'-0"



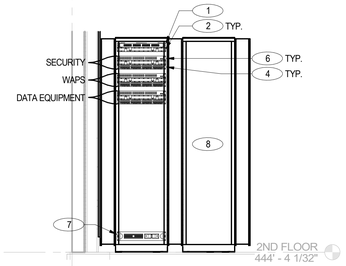
3 2ND FLOOR - TELECOM ROOM LADDER PLAN
1/4" = 1'-0"

RACK EQUIPMENT SCHEDULE

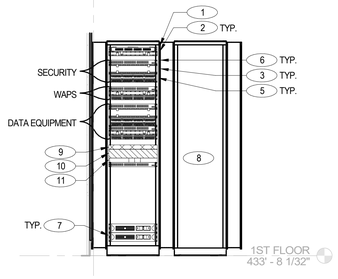
EQUIP. #	DESCRIPTION / COMMENT	NOTES
1	1U FIBER ENCLOSURE	
2	1U HORIZONTAL WIRE MANAGER	
3	2U HORIZONTAL WIRE MANAGER	
4	1U 24-PORT COPPER PATCH PANEL	
5	2U 24-PORT COPPER PATCH PANEL	
6	NETWORK SWITCH	OFOI
7	RACK MOUNTED UPS	
8	SPACE RESERVED FOR FUTURE EQ.	
9	RACK MOUNTED AUDIO DSP.	
10	RACK MOUNTED AMPLIFIER	
11	RACK MOUNTED MEDIA PLAYER	OFOI
12	CISCO G2 PRO CODEC	
13	NVX CARD FRAME	DMF-CI-8
14	CONTROL PROCESSOR	CPN4



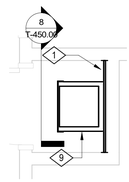
8 2ND FLOOR AV CLOSET - RACK ELEVATION
1/2" = 1'-0"



7 2ND FLOOR TELECOM ROOM - RACK ELEVATION
1/2" = 1'-0"



6 1ST FLOOR MAIN TELECOM ROOM - RACK ELEVATION
1/2" = 1'-0"



5 2ND FLOOR - AV/STORAGE EQUIPMENT PLAN
1/2" = 1'-0"

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TITLE:

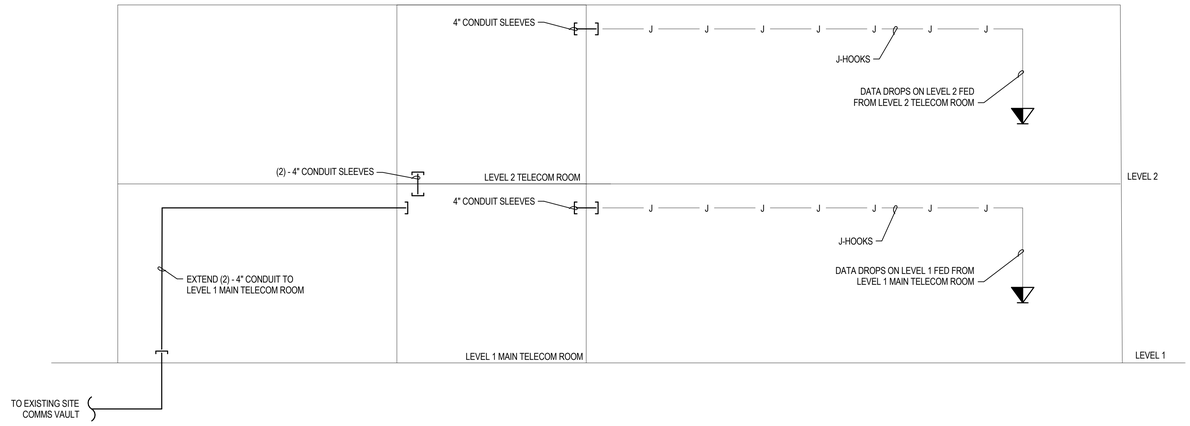
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BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

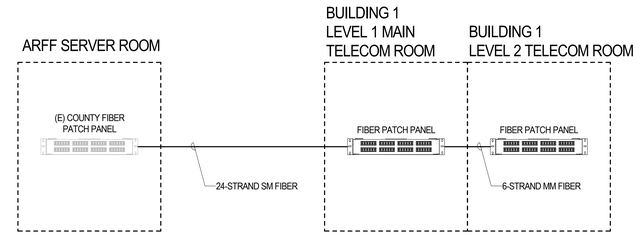
TECHNOLOGY ENLARGED PLANS

SHEET TITLE

CONTRACT NUMBER 25-532
SHEET NUMBER T-450.00
SHEET 155 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
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REV NO. 0



1 TECHNOLOGY PATHWAY RISER DIAGRAM
SCALE:NTS



2 SITE FIBER CONNECTION DIAGRAM
NTS

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TECHNOLOGY DIAGRAMS
SHEET TITLE

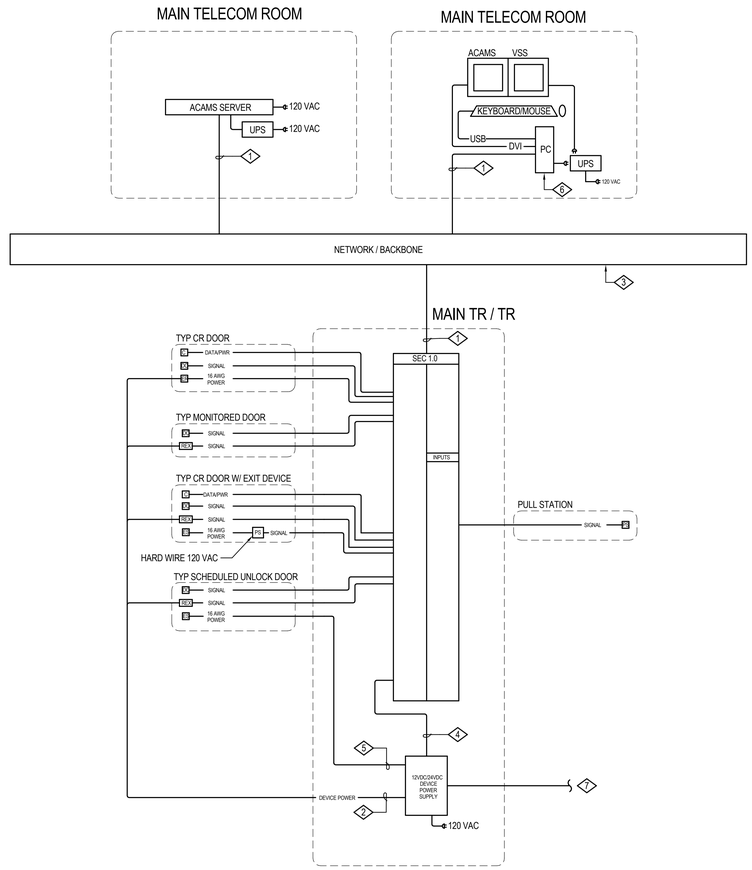
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SHEET NUMBER T-550.00
SHEET 156 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-T-529-0
REV NO. 0

SECURITY CAMERA SCHEDULE

Camera ID	Sheet Number	Level	Mounting Location	Installation Height	Detail Number	Notes
01-001	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	9' 6"	3/T-700.00	
01-002	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	9' 6"	3/T-700.00	
01-003	T-200.00	1ST FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
01-004	T-200.00	1ST FLOOR	INTERIOR WALL MOUNTED	7' 0"	2/T-700.00	
01-005	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	9' 3"	8/T-700.00	
01-006	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	8' 0"	8/T-700.00	
01-007	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	9' 6"	8/T-700.00	
01-008	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	9' 6"	8/T-700.00	
01-009	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	9' 6"	8/T-700.00	
01-010	T-200.00	1ST FLOOR	INTERIOR WALL MOUNTED	7' 9"	2/T-700.00	
01-011	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	11' 6"	3/T-700.00	
01-012	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	8' 0"	8/T-700.00	
01-012	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	8' 0"	8/T-700.00	
01-013	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	8' 9"	3/T-700.00	
01-014	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	7' 9"	8/T-700.00	
01-015	T-200.00	1ST FLOOR	INTERIOR WALL MOUNTED	7' 6"	2/T-700.00	
01-016	T-200.00	1ST FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
01-017	T-200.00	1ST FLOOR	INTERIOR WALL MOUNTED	7' 3"	2/T-700.00	
01-018	T-200.00	1ST FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
01-019	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	7' 6"	8/T-700.00	
01-020	T-200.00	1ST FLOOR	EXTERIOR WALL MOUNTED	11' 6"	3/T-700.00	
01-021	T-200.00	1ST FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
02-001	T-201.00	2ND FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
02-002	T-201.00	2ND FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
02-003	T-201.00	2ND FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
02-004	T-201.00	2ND FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
02-005	T-201.00	2ND FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	
02-006	T-201.00	2ND FLOOR	INTERIOR CEILING MOUNTED	-	1/T-700.00	

SECURITY DOOR SCHEDULE

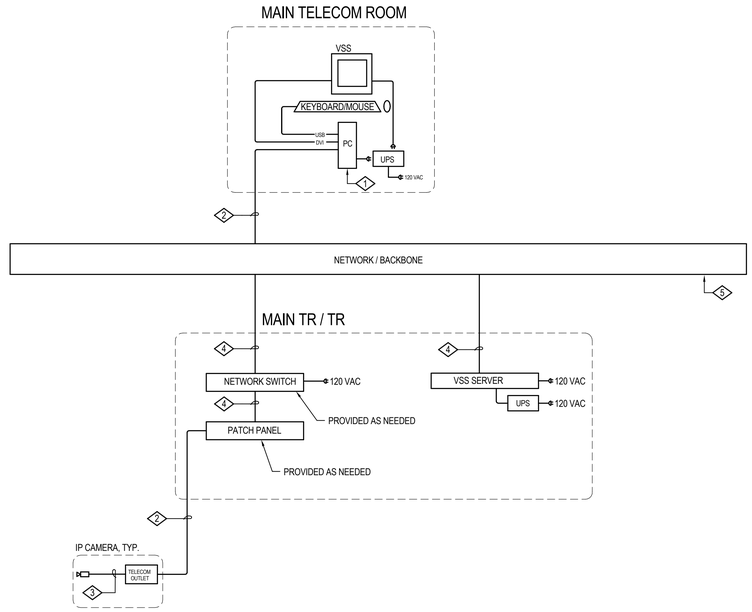
Door ID	Sheet	Level	Security Configuration	Detail Number	Notes
1ST1B	T-200.00	1ST FLOOR	SINGLE DOOR MULLION MOUNTED CARD READER	4/T-700.00	
1ST2B	T-200.00	1ST FLOOR	SINGLE DOOR MULLION MOUNTED CARD READER	4/T-700.00	
102	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
103	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
105A	T-200.00	1ST FLOOR	DOUBLE DOOR MULLION MOUNTED CARD READER	6/T-700.00	
105B	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	7/T-700.00	
105C	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
107	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
108	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
109	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
110	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
110A	T-200.00	1ST FLOOR	DOUBLE DOOR MULLION MOUNTED CARD READER	6/T-700.00	
110B	T-200.00	1ST FLOOR	DOUBLE DOOR MULLION MOUNTED CARD READER	6/T-700.00	
111A	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
111B	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
112	T-200.00	1ST FLOOR	DOUBLE DOOR WALL MOUNTED CARD READER	7/T-700.00	
115	T-200.00	1ST FLOOR	DOUBLE DOOR WALL MOUNTED CARD READER	7/T-700.00	
123	T-200.00	1ST FLOOR	SINGLE DOOR MULLION MOUNTED CARD READER	4/T-700.00	
126	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
128	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
163	T-200.00	1ST FLOOR	DOUBLE DOOR MULLION MOUNTED CARD READER	6/T-700.00	
164	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
170	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
188	T-200.00	1ST FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
216O	T-200.00	1ST FLOOR	SINGLE DOOR MULLION MOUNTED CARD READER	4/T-700.00	
202	T-201.00	2ND FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	
203	T-201.00	2ND FLOOR	SINGLE DOOR WALL MOUNTED CARD READER	5/T-700.00	



1 ACCESS CONTROL AND INTRUSION DETECTION SYSTEM DIAGRAM
SCALE:NTS

NUMBERED NOTES:

1. PROVIDE PATCH CORD BETWEEN SECURITY PANELS/COMPUTERS AND NETWORK SWITCH.
2. PROVIDE INDIVIDUAL POWER FEED TO EACH 12V DC FIELD DEVICE.
3. PROVIDE NETWORK NEEDED TO SUPPORT SECURITY SYSTEM, INCLUDING NETWORK SWITCHES (MANAGEABLE ETHERNET ACCESS SWITCHES) AND BACKBONE CABLING (CAT6 OR FIBER AS REQUIRED).
4. INTERCONNECT LOCK OUTPUTS FOR EACH CARD READER DOOR WITH DRY CONTACT INPUT ON LOCK POWER SUPPLY. DO NOT SWITCH LOCK COIL LOAD THROUGH ACU RELAYS.
5. PROVIDE INDIVIDUAL 24VDC POWER FEED FOR EACH LOCK.
6. PROVIDE ACAMS CLIENT SOFTWARE ON SECURITY WORKSTATION.
7. PROVIDE FIRE ALARM INTERFACE TO UNLOCK DOORS WITHIN THE PATH OF EGRESS UPON ACTIVATION OF THE FIRE ALARM.



2 VIDEO SURVEILLANCE SYSTEM DIAGRAM
SCALE:NTS

NUMBERED NOTES:

1. ACAMS AND VSS WORKSTATIONS. PROVIDE VSS CLIENT SOFTWARE TO EACH WORKSTATION.
2. CAT6 CABLING PROVIDED AND INSTALLED BY TELECOM CONTRACTOR.
3. PROVIDE PATCH CORD BETWEEN OUTLET AND CAMERA
4. PROVIDE NETWORK CABLING BETWEEN PATCH PANEL AND DEVICE.
5. PROVIDE NETWORK CONNECTION NEEDED TO SUPPORT SECURITY SYSTEM, INCLUDING POE NETWORK SWITCHES (MANAGEABLE ETHERNET ACCESS SWITCHES) AND BACKBONE CABLING (CAT6 OR FIBER AS REQUIRED).

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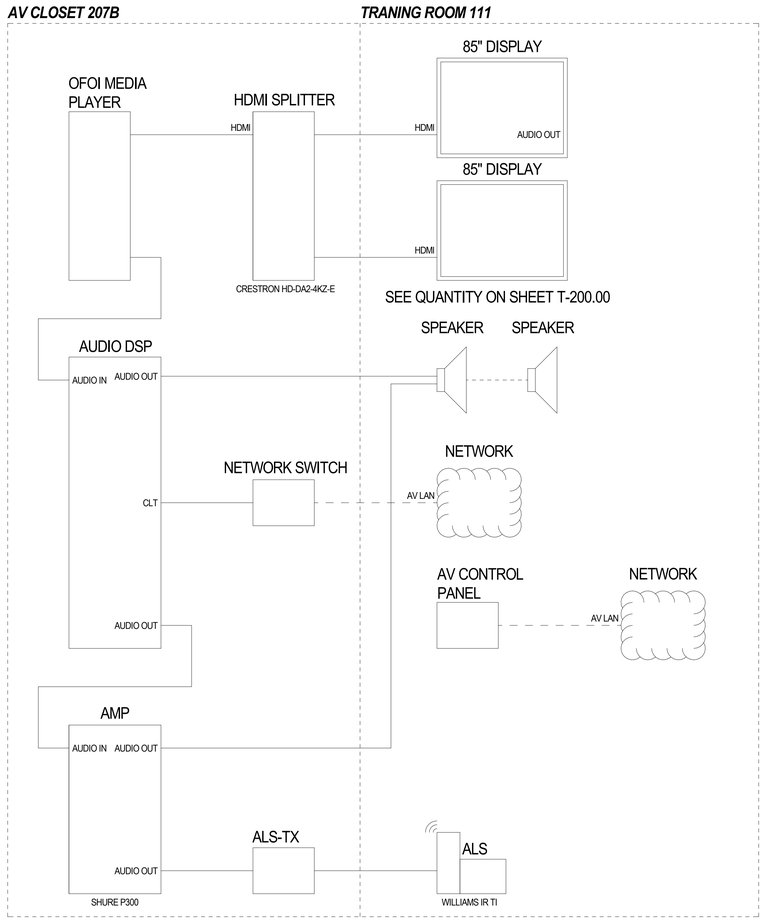
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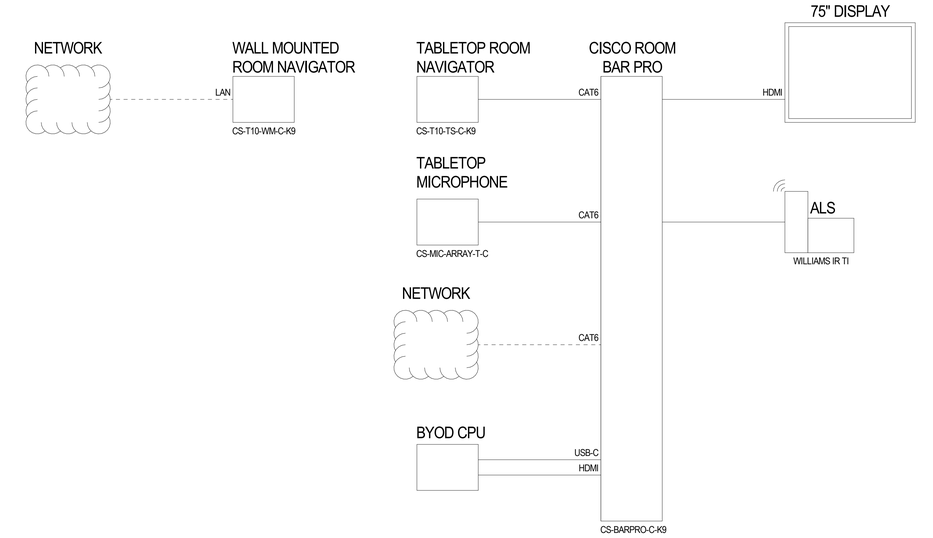
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TECHNOLOGY DIAGRAMS
SHEET TITLE

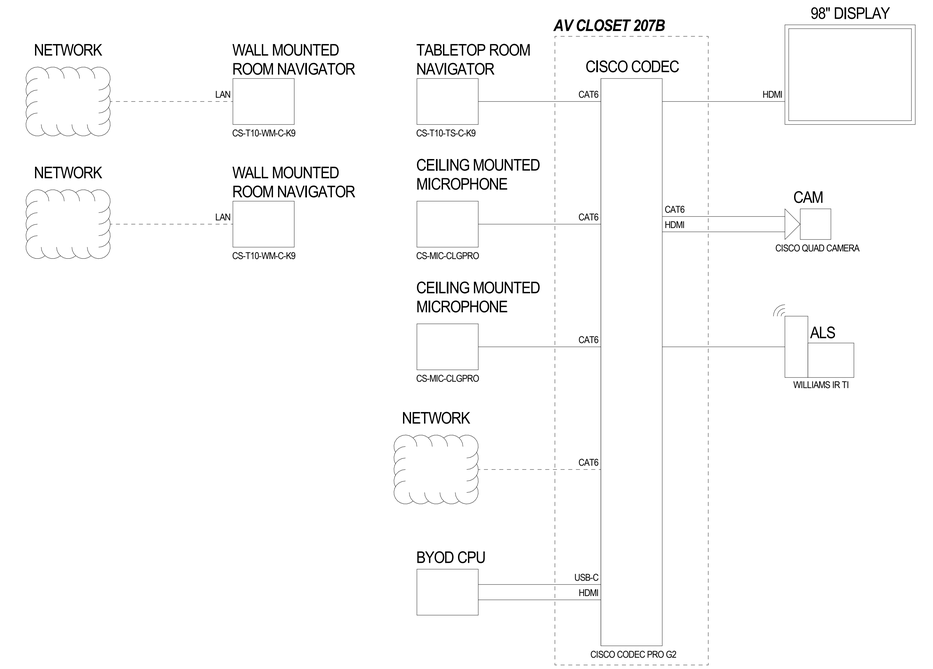
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SHEET NUMBER: T-551.00
SHEET 157 of 162
SCALE: AS SHOWN
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DPW FILE NO.: 48-08-T-530-0
REV NO.: 0



3 IDS TRAINING ROOM 111 AV FUNCTIONAL DIAGRAM
NTS



1 CONFERENCE ROOM 161 & 208 AV FUNCTIONAL DIAGRAM
NTS



2 CONFERENCE ROOM 206 AV FUNCTIONAL DIAGRAM
NTS

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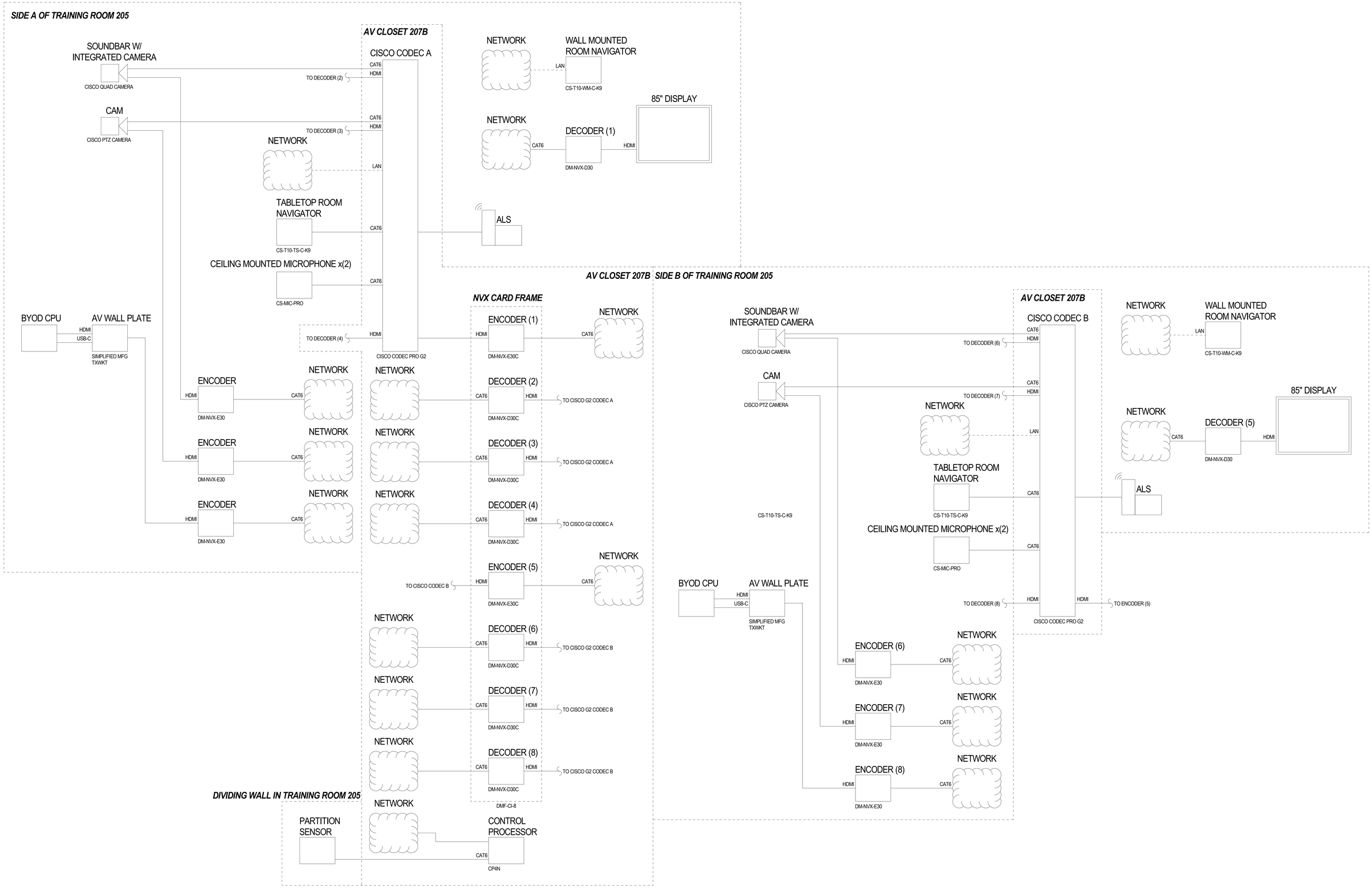
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TECHNOLOGY DIAGRAMS
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1 TRAINING ROOM 205 AV FUNCTIONAL DIAGRAM
NTS

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TECHNOLOGY DIAGRAMS
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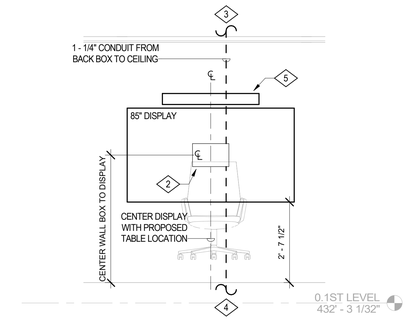
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GENERAL NOTES

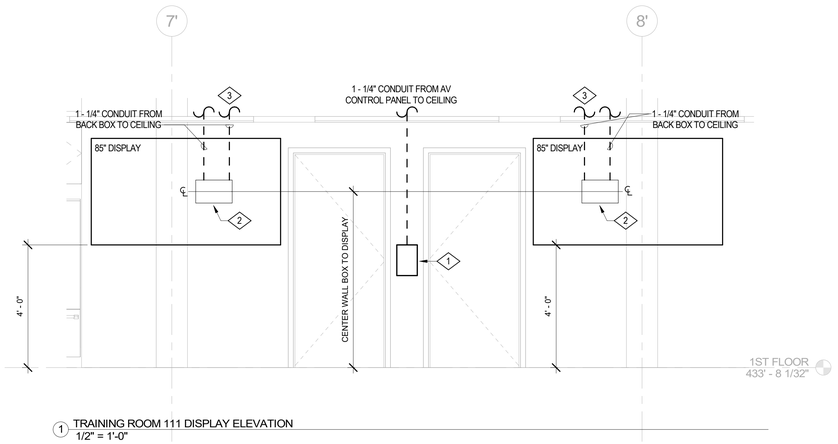
A. ANY DIMENSIONS SHOWN IN THE ELEVATIONS ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURE DRAWINGS FOR EXACT LOCATIONS OF DEVICES SHOWN

NUMBERED NOTES

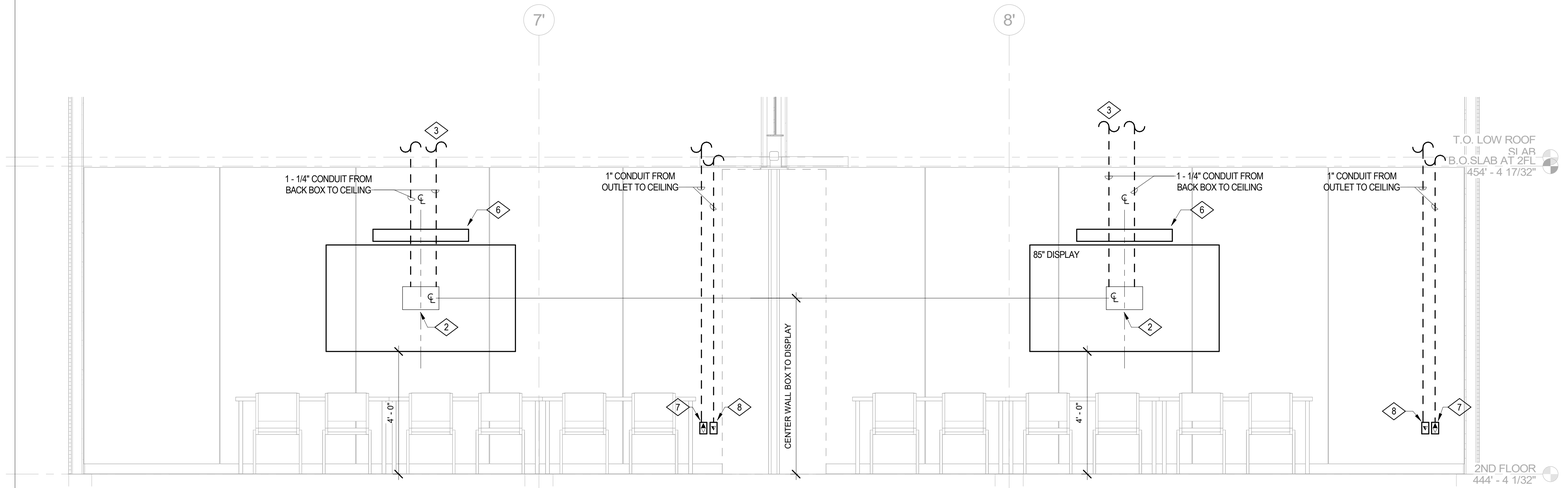
1. AV CONTROL PANEL
2. CHEIF WALL BOX
3. DATA DROPS FOR DISPLAY TO GO TO WALL BOX
4. 1-1/2" IN SLAB CONDUIT CONNECTING WALL BOX TO FLOOR BOX
5. ALL-IN-ONE CONFERNCEING BAR
6. CISCO QUAD CAMERA
7. AV WALL OUTLET FOR BYOD CONNECTIONS. TO INCLUDE (1) HDMI CONNECTIONS AND (1) USB-C CONNECTION TO CORRISPONDING CODEC
8. DATA OUTLET FOR POE AND DATA CABLE CONNECTION FOR TABLE TOP CONTROLLER



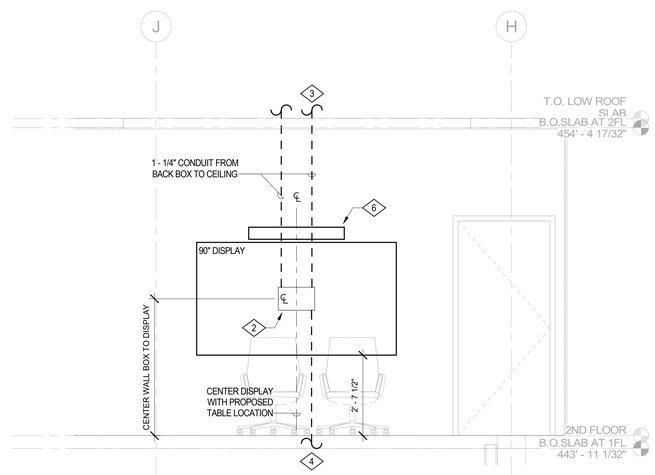
2 CONFERENCE ROOM 161 & 208 DISPLAY ELEVATION
1/2" = 1'-0"



1 TRAINING ROOM 111 DISPLAY ELEVATION
1/2" = 1'-0"



4 TRAINING ROOM 206 DISPLAY ELEVATION
1/2" = 1'-0"



3 CONFERENCE ROOM 209 DISPLAY ELEVATION
1/2" = 1'-0"

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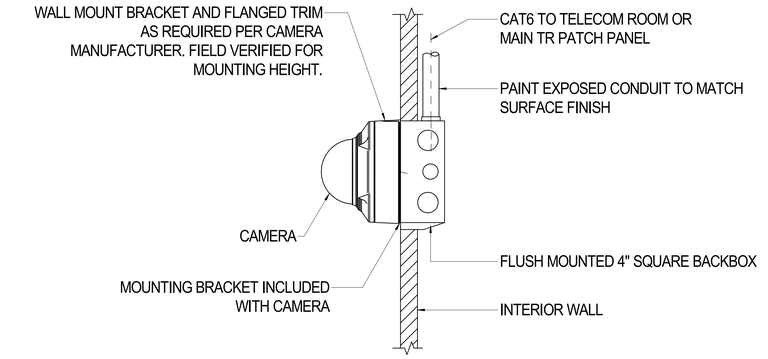
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TECHNOLOGY DISPLAY ELEVATIONS

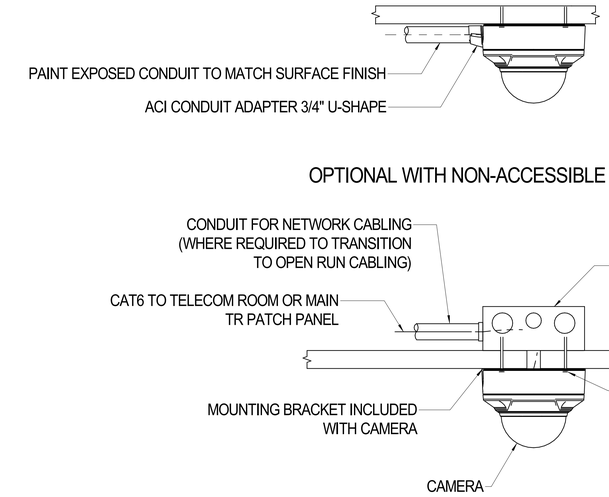
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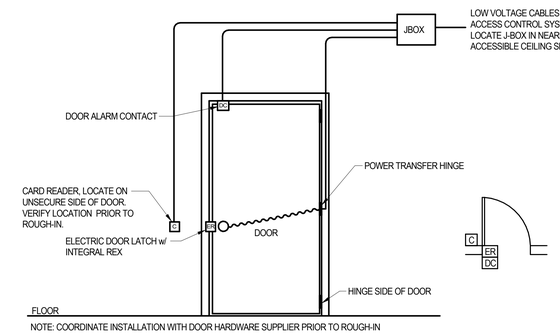
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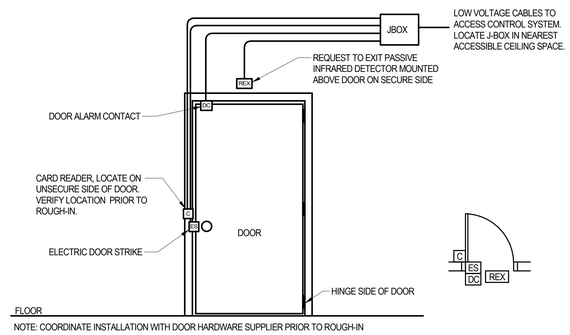
2 DOME CAMERA WALL SURFACE MOUNT TYP.
NTS



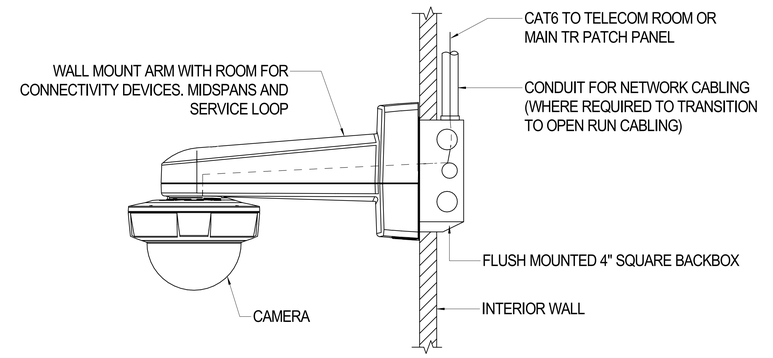
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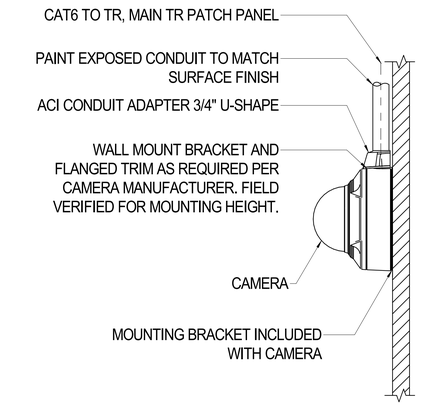
5 TYPICAL SECURITY SINGLE DOOR WALL MOUNTED CARD READER DETAIL
NTS



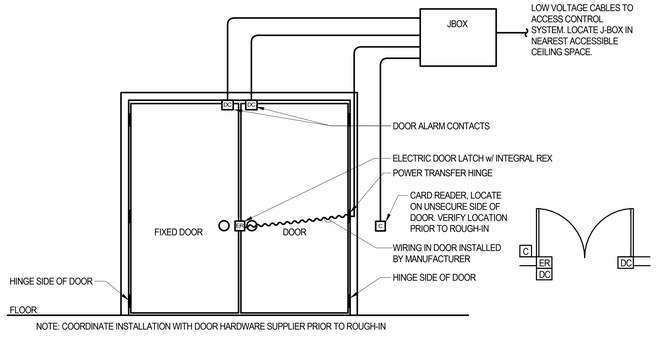
4 TYPICAL SECURITY SINGLE DOOR MULLION MOUNTED CARD READER DETAIL
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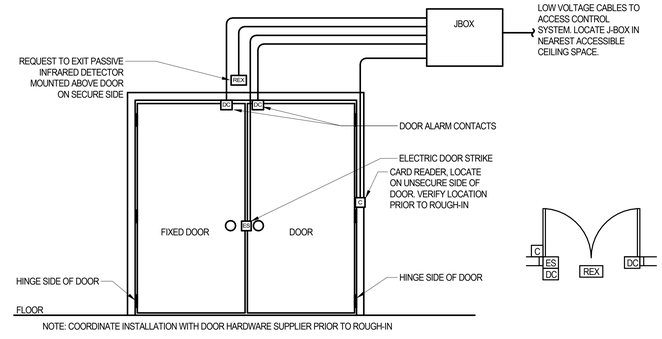
3 CAMERA WALL ARM MOUNT TYP.
NTS



8 DOME CAMERA WALL NON-BACKBOX SURFACE MOUNT
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7 TYPICAL SECURITY DOUBLE DOOR WALL MOUNTED CARD READER DETAIL
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6 TYPICAL SECURITY DOUBLE DOOR MULLION MOUNTED CARD READER DETAIL
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	08/08/2025	90% CD
	03/20/2026	DRAFT 100% CD
	04/03/2026	100% Documents

ISSUED FOR BID DATE: 09/02/2026

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☐ AS BUILT - CHANGES AS NOTED
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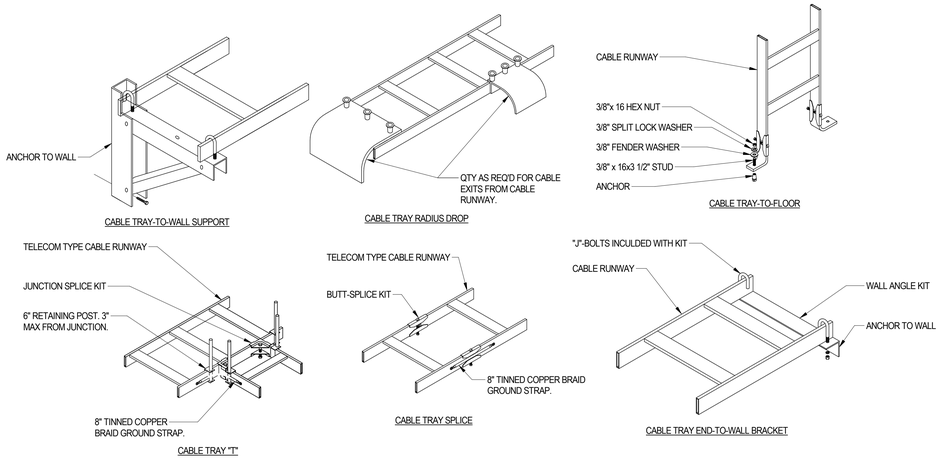
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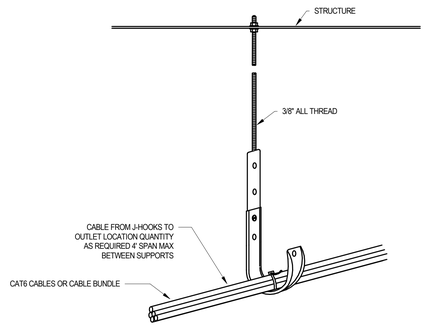
BUILDING 1 REHABILITATION
TOWN OF HARRISON AND NORTH CASTLE AND VILLAGE OF RYE BROOK, NEW YORK

TECHNOLOGY DETAILS
SHEET TITLE

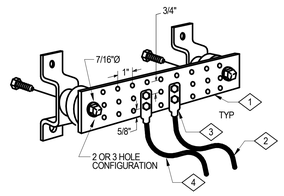
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SHEET NUMBER T-700.00
SHEET 161 of 162
SCALE: AS SHOWN
DATE: 09/02/2026
DPW FILE NO. 48-08-T-534-0
REV NO. 0



3 EQUIPMENT ROOM LADDER RACK DETAIL
NTS



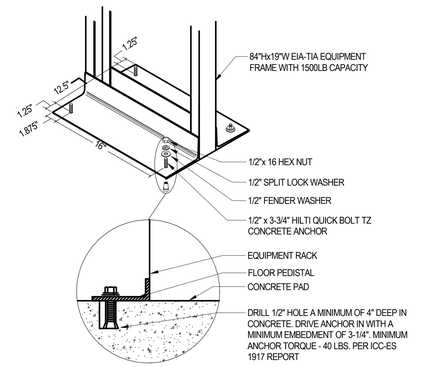
2 J-HOOK DETAIL
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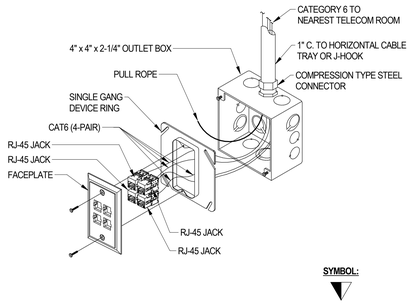
NUMBERED NOTES

1. COPPER GROUND BAR, 1/4"x4"x10", HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
2. 3/0 BARE COPPER GROUND CONDUCTOR TO MAIN SERVICE EQUIPMENT GROUND OR TBB.
3. 2-HOLE LUG.
4. 3/0 BARE COPPER GROUND CONDUCTOR TO BUILDING STEEL.

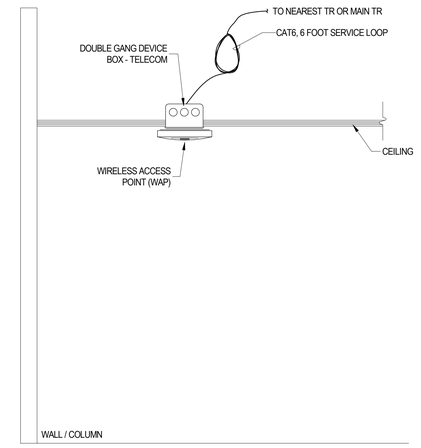
1 GROUNDING BAR DETAIL
NTS



6 TWO-POST EQUIPMENT RACK MOUNTING DETAIL
NTS



5 STANDARD 4-PORT COMMUNICATIONS OUTLET DETAIL
NTS



4 TYPICAL POE WAP MOUNTING - OUTLET FLUSH IN FLUSH CEILING
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