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- E703 DETAILS

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ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS

CORNELL COOPERATIVE EXTENSION

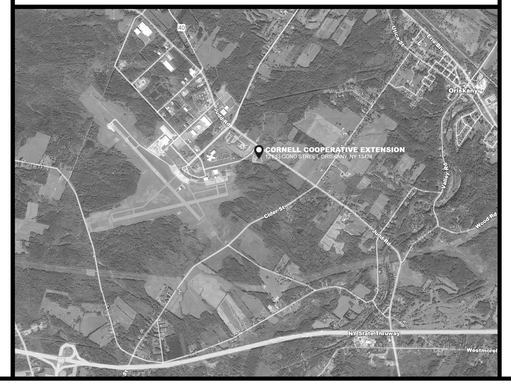
ADDITION & ALTERATIONS

121 SECOND STREET, ORISKANY, NY 13424

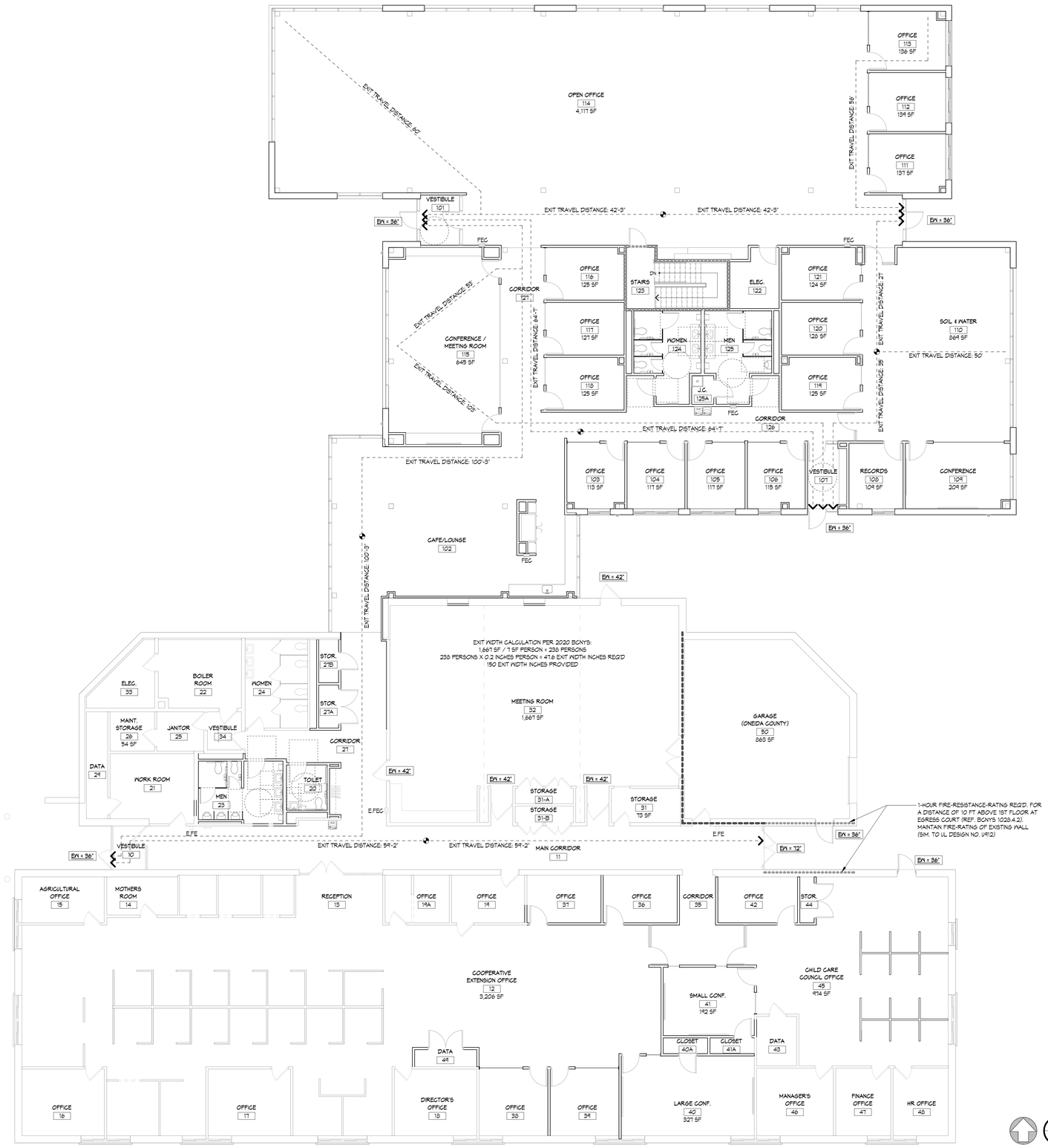
BID REFERENCE NO. 2292

GENERAL CONSTRUCTION - CONTRACT NO. H 2456001
PLUMBING CONSTRUCTION - CONTRACT NO. H 2456002
MECHANICAL CONSTRUCTION - CONTRACT NO. H 2456003
ELECTRICAL CONSTRUCTION - CONTRACT NO. H 2456004

LOCATION PLAN



BID SET NO. __
ISSUED FOR BID
MARCH 13, 2025
MARCH ASSOCIATES NO. 23036



1 CC101 CODE COMPLIANCE PLAN - FIRST FLOOR

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

THE ARCHITECTS AND ENGINEERS THAT HAVE SIGNED THESE DOCUMENT CERTIFY THAT TO THE BEST OF THEIR KNOWLEDGE, INFORMATION AND BELIEF, THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, AND THE STATE ENERGY CONSERVATION CONSTRUCTION CODE. NO ASBESTOS CONTAINING MATERIALS ARE SPECIFIED.

CODE SUMMARY

OCCUPANCY CLASSIFICATION: B - BUSINESS; S-1 (STORAGE)

ACCESSORY OCCUPANCIES: A-3 (ASSEMBLY); S-2 (STORAGE)

TYPE OF CONSTRUCTION: II-B (NON-SPRINKLERED)

BUILDING HEIGHT & AREA:

	HEIGHT	NO. STORIES	BUILDING AREA
PERMITTED:	55 FEET	3	40,250 S.F.
ACTUAL:	16 FEET	1	29,917 S.F.

NO. SIDES ACCESSIBLE: 4

MAX. EXIT ACCESS TRAVEL DISTANCE ALLOWED: 200 FEET

MAX. DEAD END CORRIDOR LENGTH ALLOWED: 20 FEET

MAX. COMMON PATH OF EGRESS ALLOWED 75 FEET

MAX. TRAVEL DISTANCE TO FIRE EXTINGUISHER: 75 FEET

OCCUPANT LOAD CALCULATION

BUSINESS OCCUPANCY (B):
22,242 SF / 150 SF PERSON = 149 PERSONS

ASSEMBLY OCCUPANCY (A-3):
1,667 SF / 7 SF PERSON = 238 PERSONS

STORAGE OCCUPANCY (S-2):
869 SF / 300 SF PERSON = 2 PERSONS

STORAGE OCCUPANCY (S-1):
4,650 SF / 300 SF PERSON = 15 PERSONS

TOTAL BUILDING OCCUPANCY: 404 PERSONS

CODE ANALYSIS SYMBOLS

TRAVEL DISTANCE (FEET) AND PRIMARY PATH OF EGRESS

FIRE EXTINGUISHER CABINET FEC 100' - 0"

EGRESS WIDTH EXI = 36"

APPLICABLE CODES

- 2020 BUILDING CODE OF NEW YORK STATE
- 2020 FIRE CODE OF NEW YORK STATE
- 2020 EXISTING BUILDING CODE OF NEW YORK STATE
- ICC/ANSI A117.1 - 2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2018 NFPA LIFE SAFETY CODE (NFPA 101)
- 2017 NFPA 70 - NATIONAL ELECTRICAL CODE
- 2016 NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE
- 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

ENERGY CODE ANALYSIS

PER THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE

CLIMATE ZONE: 6

	REQUIRED	PROVIDED
ROOF	R-30 ci	R-30 ci
WALLS (ABOVE GRADE):		
METAL FRAMED:	R-13 + R-7.5 ci, U-0.064	R-28 + R-4.3 ci, U-0.062
WALLS (BELOW GRADE):		
MASS:	R-12.5, U-0.064	R-12.5, U-0.064
SLAB-ON-GRADE FLOORS		
UNHEATED SLABS:	R-10 FOR 24" BELOW	R-12.5 FOR 48" BELOW
OPAQUE DOORS:		
SWINGING DOORS:	U-0.37	U-0.29
FENESTRATION:		
FIXED WINDOWS:	U-0.36	U-0.36
ENTRANCE DOORS:	U-0.77	U-0.77
SHGC:	0.40	0.24

FIRE PROTECTION

FIRE EXTINGUISHERS - PROVIDED THROUGHOUT SO THAT OCCUPANT IS WITHIN 75' OF AN EXTINGUISHER AT ALL TIMES.

FIRE ALARM - PROVIDED THROUGHOUT BUILDING

SMOKE/HEAT DETECTORS - PROVIDED THROUGHOUT BUILDING

1 HOUR FIRE BARRIER ----------

2 HOUR FIRE BARRIER ==========

PLUMBING FIXTURE COUNTS

BUSINESS OCCUPANCY: 149 OCCUPANTS (SAY 75 MEN & 75 WOMEN)

MEN'S WATER CLOSETS:	3 REQUIRED
WOMEN'S WATER CLOSETS:	3 REQUIRED
MEN'S LAVATORIES:	2 REQUIRED
WOMEN'S LAVATORIES:	2 REQUIRED

ASSEMBLY OCCUPANCY: 238 OCCUPANTS (119 MEN & 119 WOMEN)

MEN'S WATER CLOSETS:	1 REQUIRED
WOMEN'S WATER CLOSETS:	2 REQUIRED
MEN'S LAVATORIES:	1 REQUIRED
WOMEN'S LAVATORIES:	1 REQUIRED

STORAGE OCCUPANCIES: 12 OCCUPANTS (6 MEN & 6 WOMEN)

MEN'S WATER CLOSETS:	1 REQUIRED
WOMEN'S WATER CLOSETS:	1 REQUIRED
MEN'S LAVATORIES:	1 REQUIRED
WOMEN'S LAVATORIES:	1 REQUIRED

*TOTAL:

MEN'S WATER CLOSETS:	5 REQUIRED	8 PROVIDED
WOMEN'S WATER CLOSETS:	6 REQUIRED	7 PROVIDED
MEN'S LAVATORIES:	4 REQUIRED	5 PROVIDED
WOMEN'S LAVATORIES:	4 REQUIRED	5 PROVIDED

*FIXTURE COUNT CALCULATION DOES NOT INCLUDE (PRIVATE) TOILET ROOM #20.

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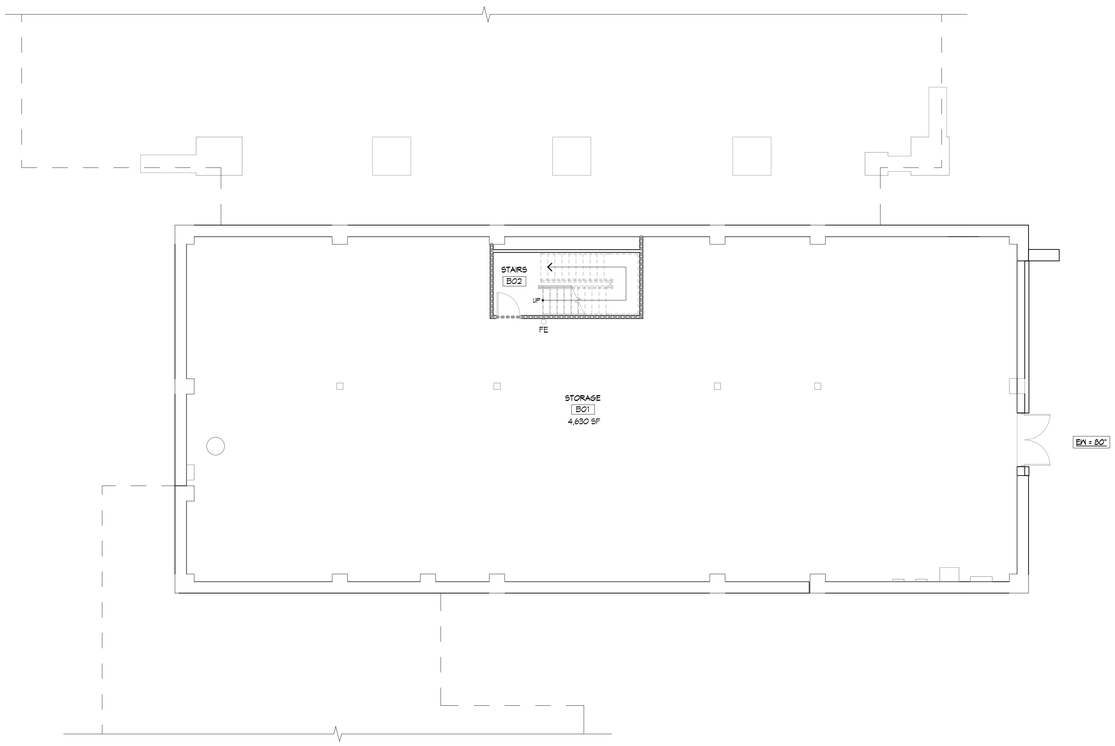
REGISTERED ARCHITECT DAVID DANIEL JASINSKI 038964 STATE OF NEW YORK
VALID THROUGH 02/28/2026

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO.	DESCRIPTION	BY	DATE
B	ADDENDUM B	GJF	11/01/24
A	ADDENDUM A	GJF	09/26/24
REVISIONS			
DATE	MARCH 13, 2025		
DRAWN BY	EKV/GJF		
CHECKED BY	DDJ		
SCALE	1/8" = 1'-0"		
PROJECT NO.	23036		

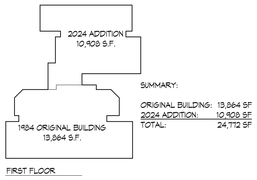
DRAWING TITLE
CODE COMPLIANCE PLAN

DRAWING NO.
CC101



1 CC102 CODE COMPLIANCE PLAN - BASEMENT

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



FIRST FLOOR

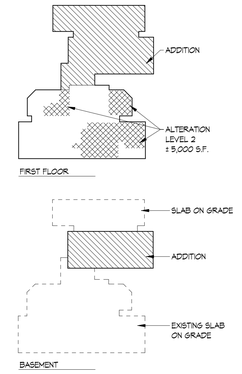
SUMMARY:

ORIGINAL BUILDING:	13,864 SF
2024 ADDITION:	10,908 SF
TOTAL:	24,772 SF

BUILDING AREA KEY PLAN*

*IN ACCORDANCE W/ SECTION 506, BUILDING CODE OF NYS

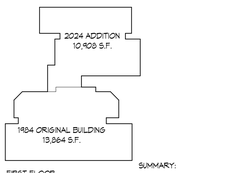
FRONTAGE INCREASE CALCULATION (B OCCUPANCY):
23,000 SF x 75% = 40,250 SF (ALLOWABLE AREA)
ACTUAL BUILDING AREA: 24,772 SF*



FIRST FLOOR

BASEMENT

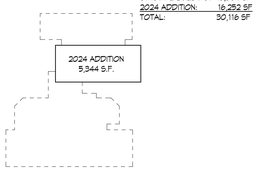
ALTERATION LEVEL KEY PLAN



FIRST FLOOR

SUMMARY:

ORIGINAL BUILDING:	13,864 SF
2024 ADDITION:	16,252 SF
TOTAL:	30,116 SF

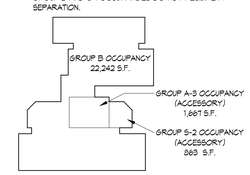


BASEMENT

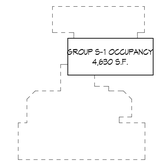
BUILDING VINTAGE KEY PLAN

B OCCUPANCY ALLOWABLE AREA:	23,000 SF
S-1 OCCUPANCY ALLOWABLE AREA:	17,500 SF

*PER BUILDING CODE OF NYS, TABLE 508.4, THE GROUP B AND S-1 OCCUPANCIES DO NOT REQUIRE A SEPARATION.



FIRST FLOOR



BASEMENT

OCCUPANCY CLASSIFICATION KEY PLAN

2 CC102 CODE COMPLIANCE KEY PLANS

SCALE: 1" = 80'-0"

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REGISTERED ARCHITECT
DAVID DANIEL JASINSKI
038964
STATE OF NEW YORK

VALID THROUGH 02/28/2026

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO.	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	EKV/GJF
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

DRAWING TITLE
CODE COMPLIANCE PLANS

DRAWING NO.
CC102

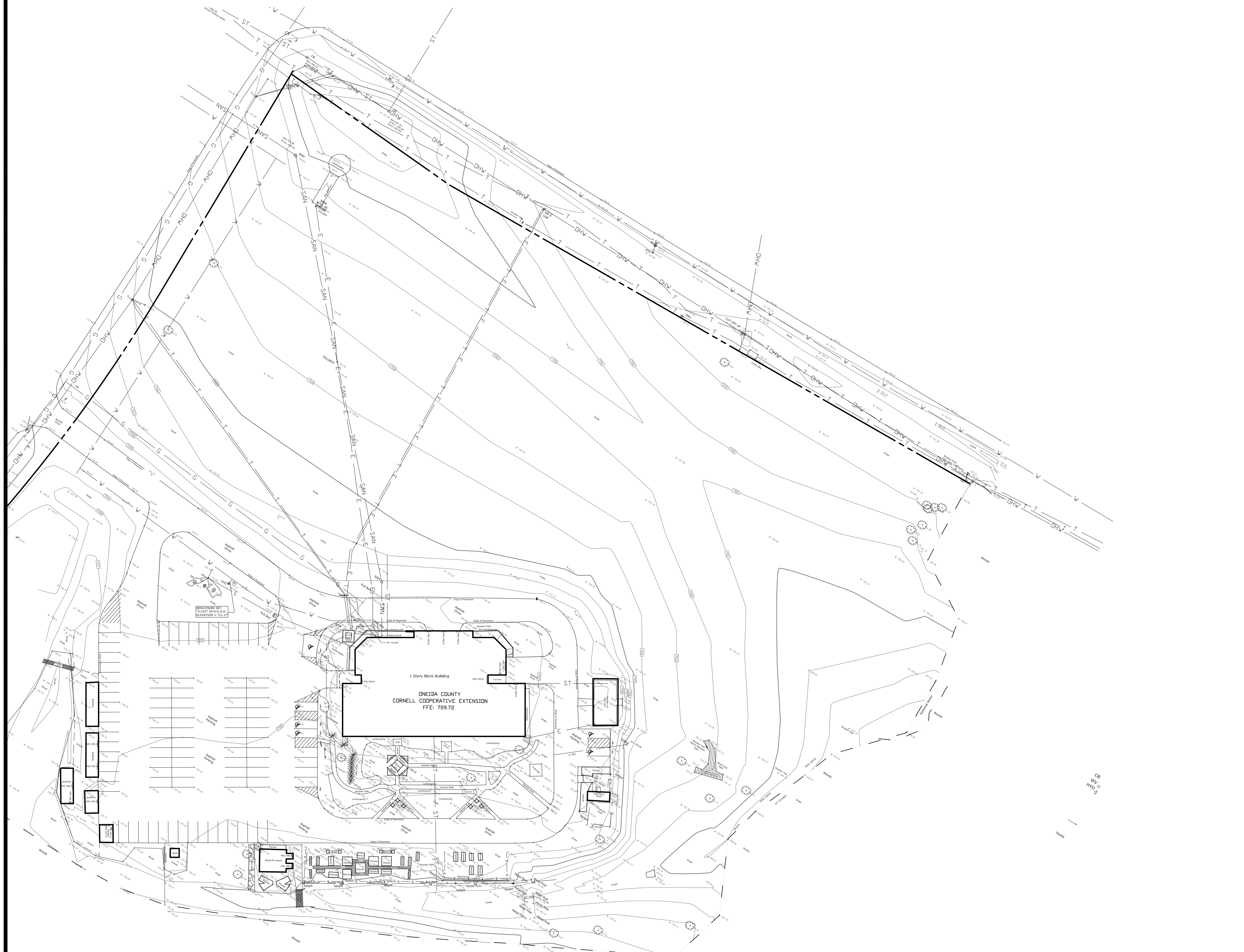
LEGEND - ONEIDA COUNTY DPW CORNELL COOPERATIVE EXTENSION

EXISTING	PROPOSED	DESCRIPTION
	CLL	CONTRACT LIMIT LINE
		STREET LINE / PROPERTY EDGE
----100----	100	CONTOUR
		GRANITE CURB
		PAVEMENT EDGE
		SAWCUT LINE
		CURB REMOVAL
		UTILITY REMOVAL
OHW		OVERHEAD WIRES
W	6" W	WATER LINE
G		GAS LINE
T		BURIED TELEPHONE LINE
E		BURIED ELECTRIC LINE
Sa	SAN	SANITARY SEWER - SIZE / TYPE
St	6" ST	STORM SEWER - SIZE / TYPE

EXISTING	PROPOSED	DESCRIPTION
	8" SMT	STORMWATER MANAGEMENT TRENCH
		UTILITY POLE
LP		LIGHT POLE
TRANS		ELECTRIC TRANSFORMER
EMTR		ELECTRIC METER
EHH		ELECTRIC HANDHOLE
BOL	MB	METAL BOLLARD
		TRAFFIC SIGN
		DIRECTIONAL SIGN
HYD	FH	FIRE HYDRANT
WV	WV	WATER VALVE
WMH		WATER MANHOLE
CBR CB	SI	CATCH BASIN / STORM INLET

EXISTING	PROPOSED	DESCRIPTION
DMH	MH / DW	STORM MANHOLE / DRYWELL
SMH	SMH	SANITARY MANHOLE
GV		GAS VALVE
CHAIN LINK FENCE	C.L. FENCE	VINYL CLAD CHAIN LINK FENCE
257.25	456.50	SPOT GRADE
	F.V.	FIELD VERIFY
	E.O.P.	EDGE OF PAVEMENT
	TYP	TYPICAL
	RL	ROOF LEADER
	FD	FOOTING DRAIN
	T/B	TOP/BOTTOM OF CURB
	TW/BW	TOP/BOTTOM OF WALL
	UFG/LFG	UPPER/LOWER FINISH GRADE
		EDGE OF WOODS
		EDGE OF WATER

SYMBOL	DESCRIPTION
	TREES / SHRUBS
	DRAINAGE FLOW DIRECTION
	DETAIL FLAG
1	CONSTRUCTION NOTE
	REMOVE EXISTING PAVEMENT
MDA	MEDIUM DUTY ASPHALT
	STANDARD CONCRETE WITH SCORING
	BUILDING ADDITION
	LAWN TYPE 1 - 4" TOPSOIL, SEED AND MULCH
	MEADOW MIX



SURVEY

0 20 40 80 120
SCALE IN FEET

SURVEY NOTES - ONEIDA COUNTY DPW CORNELL COOPERATIVE EXTENSION

BOUNDARY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING:

TITLE "BOUNDARY AND TOPOGRAPHIC SURVEY MAP FOR CORNELL COOPERATIVE EXTENSION - CCE ONEIDA FARM & HOME CENTER" 121 SECOND STREET TOWN OF WHITESTOWN ONEIDA COUNTY, STATE OF NEW YORK. PREPARED BY C.T. MALE ASSOCIATES 50 CENTURY HILL DRIVE, LATHAM, NY 12110 TEL: (518)786-7400) DATED AUGUST 7, 2023

MAP NOTES:

1) NORTH ORIENTATION IS BASED ON GRID NORTH FROM RTK GPS OBSERVATIONS.
2) VERTICAL DATUM IS BASED ON NAVD 1988 DATUM FROM RTK GPS OBSERVATIONS.
3) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.
4) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, AND FROM PAROLE TESTIMONY. THEREFORE THEIR LOCATIONS MUST BE CONSIDRED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.
5) FIELD WORK PERFORMED ON JULY18, 2023.

UTILITY INFORMATION:

SERVICE	OPERATING AUTHORITY
ELECTRIC	NATIONAL GRID/CENTRAL
WATER	TOWN OF WHITESTOWN
TELEPHONE	VERIZON
SANITARY	TOWN OF WHITESTOWN

BENCHMARKS:

BM-1 : X-CUT IN N.H.O.A.
LOCATED AT FIRE HYDRANT NORTH OF PARKING LOT.

SURVEY VERIFICATION/COORDINATION - CORNELL COOPERATIVE EXTENSION- ONEIDA COUNTY

CONTRACTOR IS RESPONSIBLE FOR VERIFICATION / COORDINATION OF ALL INFORMATION (BENCHMARKS, ELEVATIONS, UTILITIES, ELEMENTS, TREES, ETC.) SHOWN ON THIS SURVEY AND CALIBRATING THIS INFORMATION WITH ACTUAL "IN THE FIELD" DATA. THIS SURVEY IS PROVIDED FOR THE BENEFIT OF THE CONTRACTOR AND GENERAL DESIGN INTENT IS SHOWN. NO ADDITIONAL COSTS WILL BE ALLOWED SHOULD INFORMATION SHOWN ON THE SURVEY AND FIELD DATA VARY.

SITE PREPARATION and CONSTRUCTION NOTES - ONEIDA COUNTY CORNELL COOPERATIVE EXTENSION

1. EXISTING LAWN AREA REMAINS. PROTECT.
2. STRIP EXISTING TOPSOIL AND STOCK PILE FOR REUSE ONSITE IN AN AREA AS SHOWN ON PLANS OR AS DIRECTED BY THE OWNER. TEMPORARILY SEED ENTIRE PILE IMMEDIATELY AND SURROUND WITH SILT FENCE.
3. EXISTING VEGETATION REMAINS. PROTECT AT ALL TIMES AS SHOWN ON THE PLANS AND AS SPECIFIED. DO NOT PARK VEHICLES/EQUIPMENT OR STORE MATERIALS WITHIN DRIP LINES OF TREES.
4. REMOVE EXISTING VEGETATION, INCLUDING ALL STUMPS AND ROOTS AND DISPOSE OFF SITE. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
5. EXISTING PAVEMENT REMAINS. PROTECT. REPLACE ANY PAVEMENT DAMAGED DURING CONSTRUCTION OPERATIONS.
6. REMOVE EXISTING PAVEMENT SURFACE AND GRANULAR BASE COURSE AND HAUL OFF SITE OR USE AS GENERAL EARTH FILL WHEN MEETING SPECIFIED SIEVE REQUIREMENTS.
7. EXISTING SITE UTILITY REMAINS. PROTECT.
8. REMOVE EXISTING SITE UTILITY DISPOSE OFF SITE AND BACK FILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
9. EXISTING SITE FEATURE REMAINS. PROTECT.
10. REMOVE EXISTING SITE FEATURE INCLUDING ANY ASSOCIATED FOOTINGS. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% OF IN PLACE DRY DENSITY. RETURN TO OWNER OR DISPOSE OF OFF-SITE.
11. OWNER WILL OCCUPY THE BUILDING THROUGHOUT CONSTRUCTION. MAINTAIN CONTINUOUS PUBLIC ACCESS AND PARKING.
12. SAW CUT NEAT, STRAIGHT EDGE PRIOR TO PAVING. AT CONCRETE SIDEWALKS, REMOVE AT NEAREST SCORE JOINT.
13. VERIFY LOCATION, ELEVATION, INVERT TYPE OF EXISTING SERVICE PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY WITH SURVEY OR PROPOSED WORK.
14. ADJUST UTILITY TO FINISHED GRADE.
15. MEET EXISTING LINE AND GRADE.
16. SLIP DOWEL NEW CONCRETE WALK INTO EXISTING CONCRETE WALK OR BUILDING FOUNDATION WALL WITH No. 4 SLIP DOWEL, 18" LONG, 12" O.C., 2" CLEAR MINIMUM FROM SURFACE. INSERT DOWELS EQUAL LENGTH INTO EXISTING AND NEW CONCRETE. PROVIDE EXPANSION JOINT AND SEALANT.
17. ALIGN NEW EDGE WITH EXISTING.
18. CAP END SILT TIGHT.
19. PROVIDE HOT TAR ASPHALT CRACK SEALER BETWEEN EXISTING AND NEW ASPHALT JOINT.
20. TOPSOIL STOCKPILE AREA.
21. APPLY BLACKOUT SEALER TO BLACK OUT EXISTING PAVEMENT LINES. PROVIDE NEW STRIPING OF PARKING LOT AS SHOWN ON PLANS.
22. INSTALL PIPE TO WITHIN FIVE FEET OF BUILDING. CAP ENDS. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTION OF BUILDING SYSTEM TO SITE UTILITY SYSTEM. COORDINATE ALL WORK AND INVERTS WITH PLUMBING CONTRACTOR PRIOR TO STARTING WORK.
23. REMOVE PLANT IDENTIFICATION MARKERS AND RETURN TO OWNER WHERE INTERFERING WITH NEW WORK.
24. TRANSFORMER REMOVED BY ELECTRICAL CONTRACT. REMOVE CONCRETE SLAB AND CONTAINMENT CURB AND DISPOSE.
25. REMOVE AND STOCKPILE CMU RETAINING WALL TO ALLOW FOR CONSTRUCTION OF NEW WORK. RECONSTRUCT CMU RETAINING WALL TO ABUT NEW WORK. MATCH EXISTING WALL PROFILE.

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REGISTERED LANDSCAPE ARCHITECT · VINCENT PAUL PIETRZAK · STATE OF NEW YORK · 001287-1

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

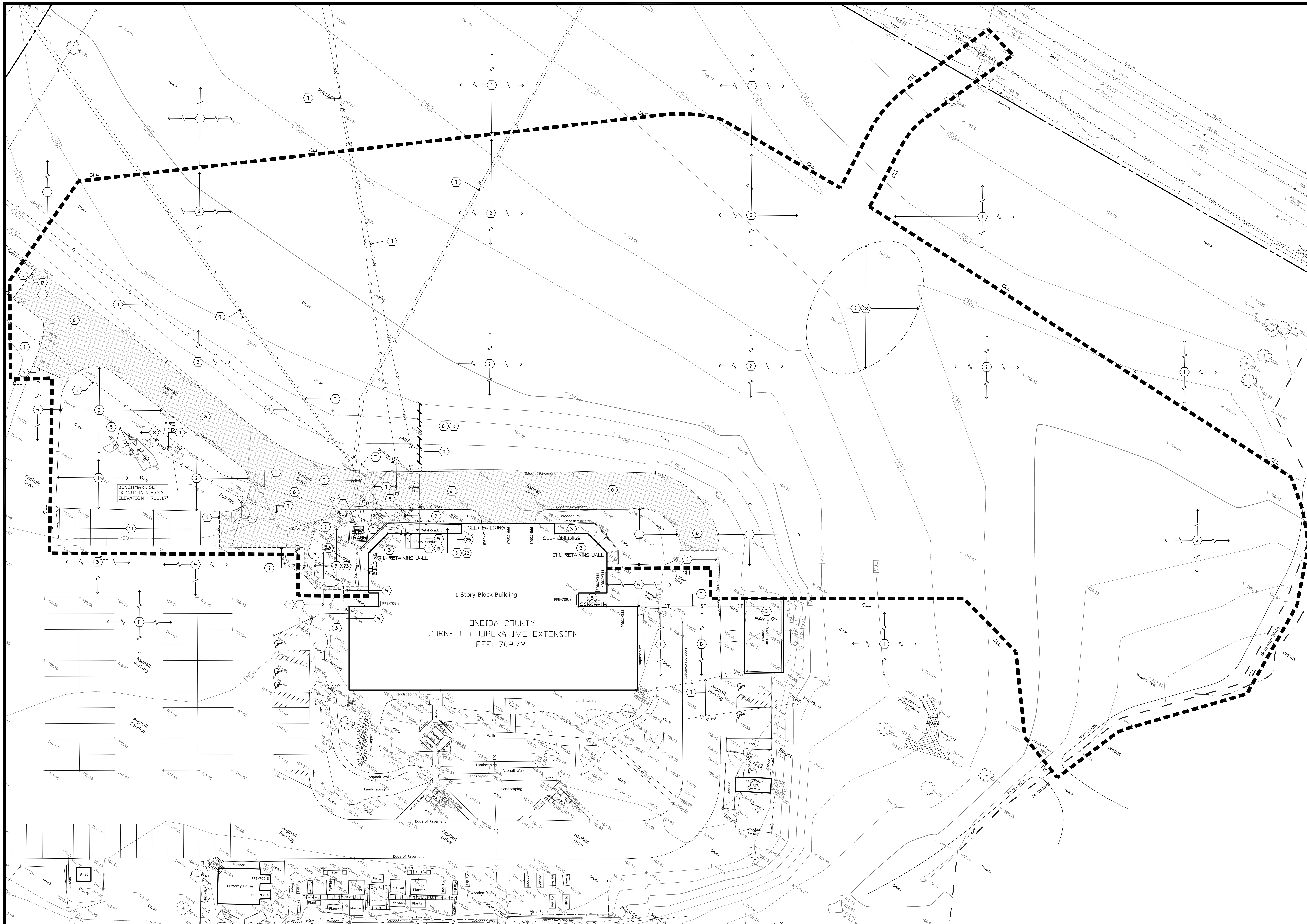
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	MARCH 13, 2025
DRAWN BY	EF/VP
CHECKED BY	VP
SCALE	
PROJECT NO.	23036

DRAWING TITLE
SURVEY

DRAWING NO.
L100



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REGISTERED LANDSCAPE ARCHITECT VINCENT PAUL PIETRZAK STATE OF NEW YORK 001287-1

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS CORNELL COOPERATIVE EXTENSION ADDITION & ALTERATIONS

121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE

REVISIONS

DATE MARCH 13, 2025

DRAWN BY EF/VP

CHECKED BY VP

SCALE

PROJECT NO. 23036

DRAWING TITLE

SITE PREPARATION PLAN

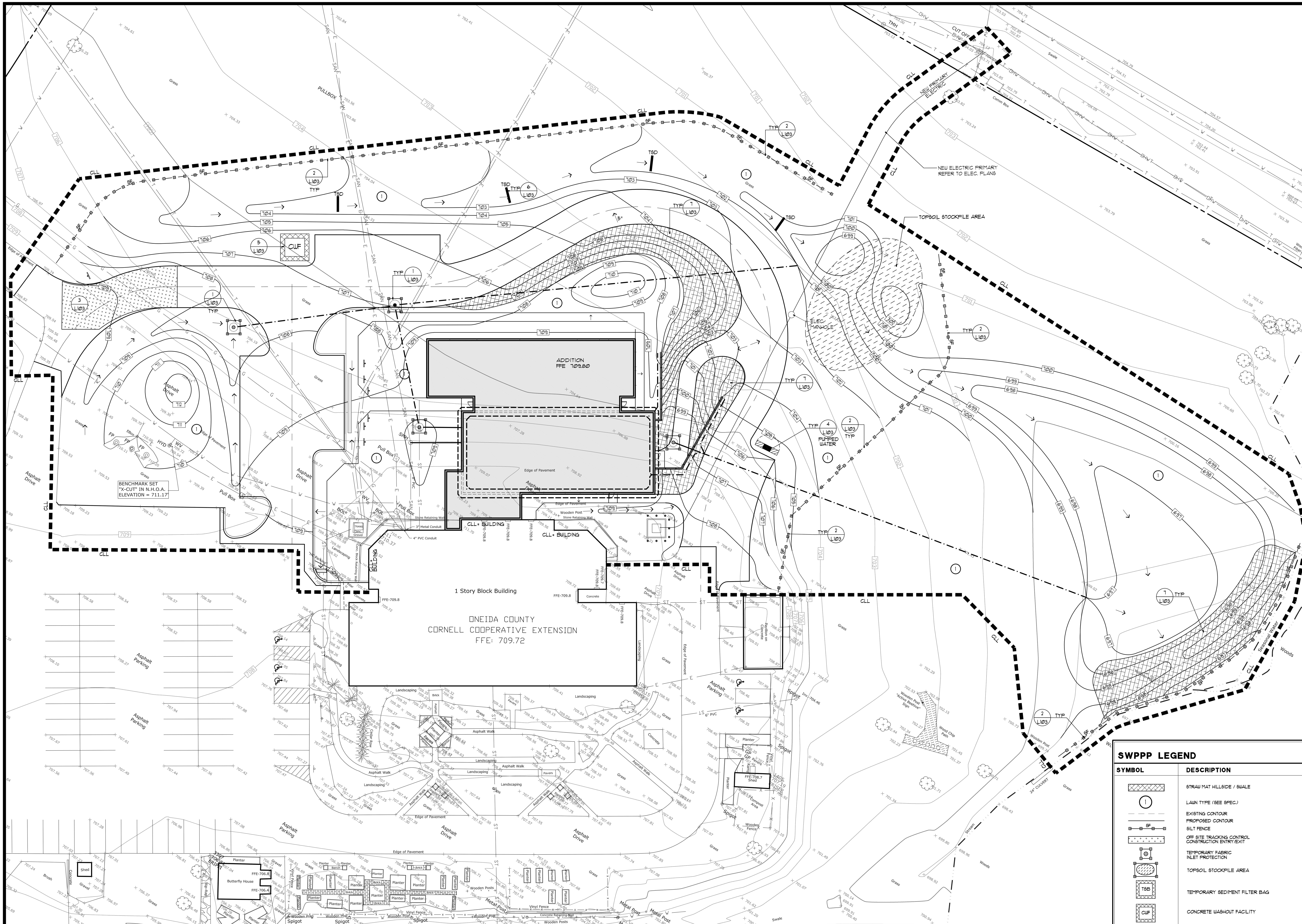
SITE PREPARATION PLAN

N

0 10 20 40 60
SCALE IN FEET

DRAWING NO.

L101



STORMWATER POLLUTION PREVENTION PLAN

SWPPP LEGEND

SYMBOL	DESCRIPTION
	STRAW MAT HILLSIDE / SWALE
1	LAWN TYPE (SEE SPEC.)
	EXISTING CONTOUR
	PROPOSED CONTOUR
SF	SILT FENCE
	OFF SITE TRACKING CONTROL CONSTRUCTION ENTRY/EXIT
	TEMPORARY FABRIC INLET PROTECTION
	TOPSOIL STOCKPILE AREA
TSB	TEMPORARY SEDIMENT FILTER BAG
CWF	CONCRETE WASHOUT FACILITY
TSD	TRIANGLE SILT DIKE

0 10 20 40 60
SCALE IN FEET

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ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
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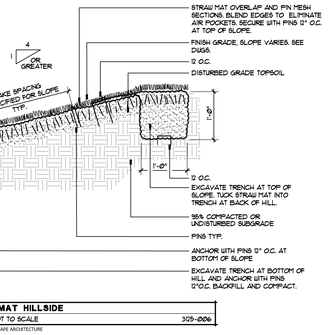
DRAWING TITLE
STORM WATER POLLUTION PREVENTION PLAN

DRAWING NO.
L102



7 STRAW MAT HILLSIDE
L103 SECTION • NOT TO SCALE 325-006
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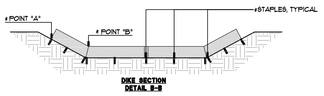

STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 'I' UNIT AS SHOWN ON THE DIAGRAMS

POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS

6 TRIANGULAR SILT DIKE - TSD
L103 SECTION • NOT TO SCALE 325-005
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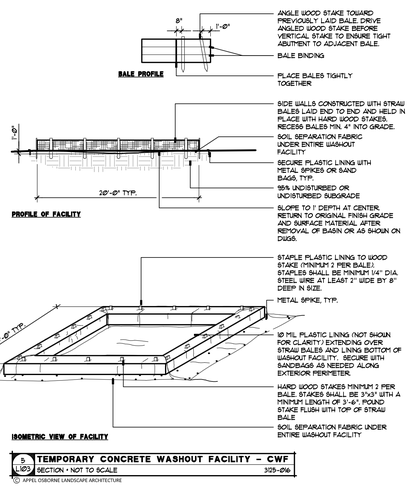

5 TEMPORARY CONCRETE WASHOUT FACILITY - CWF
L103 SECTION • NOT TO SCALE 325-016
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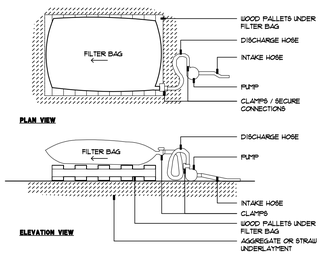
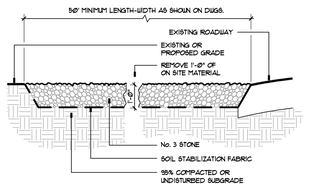


NOTE: PROVIDE AND USE AS REQUIRED FOR DEWATERING PURPOSES. NOT SHOWN ON PLANS.

4 TEMP. SEDIMENT FILTER BAG FOR PUMPED WATER
L103 SECTION • NOT TO SCALE 325-018
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



3 OFFSITE SEDIMENT TRACKING CONTROL
L103 SECTION • NOT TO SCALE 325-017
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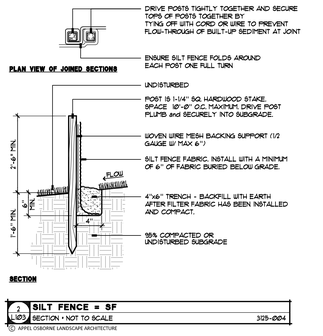

2 SILT FENCE - SF
L103 SECTION • NOT TO SCALE 325-024
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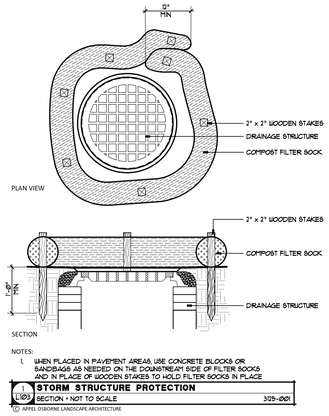

NOTES:
1. WHEN PLACED IN PAVEMENT AREAS, USE CONCRETE BLOCKS OR SANDBAGS AS NEEDED ON THE DOWNSTREAM SIDE OF FILTER SOCKS AND IN PLACE OF WOODEN STAKES TO HOLD FILTER SOCKS IN PLACE

1 STORM STRUCTURE PROTECTION
L103 SECTION • NOT TO SCALE 325-001
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STORMWATER POLLUTION PREVENTION PLAN NOTES

OBJECTIVE

PREVENTION OF EROSION AND POLLUTION FROM STORMWATER RUNOFF FOR THE DURATION OF THIS PROJECT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR ALL STORMWATER POLLUTION PREVENTION CONTROL WORK INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE INCLUDED IN THE SITE CONTRACTOR BASE BID. DAMAGES RESULTING FROM, BUT NOT LIMITED TO NEGLIGENCE, IMPROPER MAINTENANCE OR GENERAL DISREGARD FOR EROSION CONTROL MEASURES SHALL BE IMMEDIATELY CORRECTED BY SITE CONTRACTOR TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, ENGINEER OR CERTIFIED EROSION CONTROL SPECIALIST HIRED BY THE OWNER FOR THE SUPPP INSPECTIONS AS REQUIRED BY THE NYSDEC. DAMAGES RESULTING FROM OTHER CONTRACTORS SHALL BE REPAIRED BY THE SITE CONTRACTOR ON A TIME AND MATERIAL BASIS AND BACK CHARGED TO THE RESPONSIBLE PARTY. ANY FINES LEVIED ON THE OWNER BY GOVERNING AUTHORITIES FOR SUPPPP VIOLATIONS SHALL BE BACK CHARGED TO THE RESPONSIBLE PARTY.

SITE DESCRIPTION

PROJECT NAME AND LOCATION:

ONEIDA COUNTY DPW
CORNELL COOP.
ADDITIONAL AND ALTERATIONS
121 SECOND ST.
ORISKANY, NY 13424

OWNER NAME AND ADDRESS:

ONEIDA COUNTY DPW
5999 JUDD RD.
ORISKANY, NY 13424

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF BUILDING, AND SITE RENOVATIONS OVER A SINGLE PHASE. SOIL DISTURBING ACTIVITIES SHALL INCLUDE: CLEARING AND REMOVALS, INSTALLING A STABILIZED CONSTRUCTION ENTRANCE AND OTHER EROSION AND SEDIMENT CONTROLS, GRADING, EXCAVATION FOR THE BUILDING ADDITION, AND PREPARATION FOR FINAL GRADING AND LAWNS. THE PROJECT IS SCHEDULED TO BEGIN IN THE SPRING OF 2025 AND BE COMPLETED IN THE FALL OF 2026.

SITE AREA:

THE SITE IS APPROXIMATELY 41Ø± ACRES OF WHICH 3.5± ACRES SHALL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

SEQUENCE OF MAJOR ACTIVITIES:

SEQUENCING OF THE SITE SHALL CORRESPOND WITH SITE PHASING PLAN SHEET.

GENERAL:
1. INSTALL OFFSITE TRACKING AND TEMPORARY ACCESS ROAD.
2. INSTALL SILT FENCE WHERE SHOWN AND ON DOWNHILL SLOPES.
3. CONTINUE WITH SITE REMOVALS AND VEGETATION CLEARING.
4. STRIP AND STOCKPILE TO AREAS INDICATED, TEMPORARILY SEED AND PROTECT WITH SILT FENCE.
5. INSTALL SEDIMENT BASIN TEMPORARY OUTLET TRAP AND UPPER SITE CUTOFF DRAINAGE. STABILIZE AREA WITH TEMPORARY SEEDING AND TSD'S.
6. INITIATE NECESSARY CUT AND FILLS TO SUBGRADE OF BUILDING AND SURROUNDS.
7. INSTALL DRAINAGE AND OTHER UTILITIES.
8. STABILIZE SLOPES WITH STRAW MAT AS INDICATED.
9. INSTALL SITE FEATURES.
10. INSTALL ALL PAVEMENT SUBGRADES, AND CURBS. INSTALL ASPHALT PAVING AND CONCRETE WALKS.
11. SPREAD TOPSOIL ON ALL LAWN AREAS. CLEAN SILT OUT OF TEMPORARY SEDIMENT BASIN AND SEED
12. SEED LAWN AREAS AS INDICATED, AND INSTALL PLANTINGS.
13. FERTILIZE, WATER, AND MOW LAWN AREAS
14. REMOVE ALL MECHANICAL EROSION CONTROL AFTER LAWN IS STABILIZED

NAME OF RECEIVING WATERS:

THE RUNOFF FROM THE SITE FLOWS INTO A TRIBUTARY OF ORISKANY CREEK

CONTROLS

STABILIZATION PRACTICES

TEMPORARY STABILIZATION: STABILIZE TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS WITH TEMPORARY SEED AND MULCH. REFER TO SEEDING SPECIFICATIONS. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION: STABILIZE DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. REFER TO SEEDING SPECIFICATIONS.

STORM WATER MANAGEMENT

STORMWATER DRAINAGE SHALL BE PROVIDED BY STORMWATER MANAGEMENT TRENCHES, PROPOSED INFILTRATION BASIN, EXISTING INFILTRATION BASIN.

WASTE DISPOSAL

WASTE MATERIALS: COLLECT AND STORE ALL SITE RELATED WASTE MATERIALS. THE DUMPSTERS SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY. NO BUILDING CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON-SITE.

HAZARDOUS MATERIALS: DISPOSE ALL SITE RELATED HAZARDOUS WASTE MATERIALS IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER.

SANITARY WASTE: DISPOSE ALL SANITARY WASTE FROM PORTABLE UNITS A MINIMUM OF THREE TIME PER WEEK OR AS REQUIRED BY LOCAL REGULATION.

OFF SITE VEHICLE TRACKING

PROVIDE STABILIZED CONSTRUCTION ENTRANCE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. SWEEP THE PAVED STREET ADJACENT TO THE SITE ENTRANCE DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN. REPAIR OR REPLACE OFF SITE TRACKING STONE AS MUD OR DEBRIS IS ACCUMULATED.

TIMING OF CONTROLS / MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE TEMPORARY EROSION AND SEDIMENT CONTROLS, STABILIZED CONSTRUCTION ENTRANCES AND STAGING AREA SHALL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS SHALL BE STABILIZED WITH A TEMPORARY SEED AND MULCH. ONCE CONSTRUCTION ACTIVITY CEASED PERMANENTLY IN AN AREA, THAT AREA SHALL BE STABILIZED WITH PERMANENT LAWN. AFTER THE SITE IS STABILIZED, ANY ACCUMULATED SEDIMENT AND THE TEMPORARY CONTROLS SHALL BE REMOVED. ANY DISTURBED AREAS NOT STABILIZED PRIOR TO SNOW FALL SHALL RECEIVE DRY MULCH TO PROTECT DURING WINTER MONTHS.

CERTIFICATIONS

PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR, SITE EARTHWORK CONTRACTOR, SITE LANDSCAPING CONTRACTOR AND OTHER SUBCONTRACTORS AS DETERMINED BY THE ARCHITECT SHALL SIGN CERTIFICATION NOTED IN SPECIFICATION 31 2501.

ALL EROSION, SEDIMENT AND POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AND REQUIREMENTS FOR A STATE POLLUTION DISCHARGE ELIMINATION (SPDES) GENERAL PERMIT FOR STORM WATER DISCHARGE FOR CONSTRUCTION ACTIVITY. THE SPDES PERMIT (GP-0-20-001) IS PURSUANT TO THE NYSDEC AND FEDERAL ENVIRONMENTAL CONSERVATION LAW AND HAS PENALTIES AND FINES RELATED TO VIOLATIONS.

SWPP CONTROLS REQUIRED (NOT SHOWN ON PLAN)

1. CONTRACTOR TO PROVIDE, INSTALL, AND MAINTAIN 2ØØ LINEAR FEET OF ADDITIONAL SILT FENCE IN LOCATIONS AS DIRECTED BY THE ARCHITECT DURING DIFFERENT PHASES OF CONSTRUCTION.
2. SITE CONTRACTOR SHALL MAINTAIN CONCRETE WASHOUT FACILITY USED BY ALL CONTRACTORS FOR THE DURATION OF THE CONSTRUCTION PROJECT.
3. DO NOT STORE MATERIALS OVER STORM, SANITARY, OR WATER UTILITIES.
4. DO NOT EXCAVATE LARGE PORTIONS OF THE SITE WITHOUT PROVIDING THE MEANS TO LIMIT EROSION OVER NIGHT, WEEKENDS, OR PROBABLE INCLEMENT WEATHER.
5. PROVIDE AN ADDITIONAL 2ØØ SY OF TEMPORARY MULCH STABILIZATION IN LOCATIONS AS DETERMINED BY THE ARCHITECT.
6. SITE CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTION OF OFF SITE TRACKING CONTROLS FOR THE PROJECT AND ALL TRADES. OFF SITE TRACKING SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT SO AS TO KEEP MUD, DIRT, STONE, AND DEBRIS OFF OF THE COUNTY/STATE ROAD. THIS INCLUDES DAILY STREET SWEEPING/CLEANING AT DAILY INTERVALS AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

MAINTENANCE / INSPECTION PROCEDURES

(INSPECTION ON EROSION CONTROLS SHALL BE PERFORMED BY THE ARCHITECT AND SITE CONTRACTOR WITH DEC CERTIFICATION)

1. INSPECT ALL CONTROL MEASURES AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF Ø.5 INCHES OR GREATER.
2. MAINTAIN ALL MEASURES IN GOOD WORKING ORDER: IF A REPAIR IS NECESSARY, SITE CONTRACTOR SHALL INITIATE WITHIN 24 HOURS OF REPORT.
3. REMOVE BUILT UP SEDIMENT FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
4. INSPECT SILT FENCE FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
5. INSPECT DIVERSION DIKE/ AND OR DITCHES AND REPAIR ANY BREACHES PROMPTLY.
6. INSPECT TEMPORARY AND PERMANENT SEEDING AND PLANTING FOR BARE SPOTS, WASHOUT, AND HEALTHY GROWTH.
7. PREPARE A MAINTENANCE INSPECTION REPORT AFTER EACH INSPECTION.
8. THE OWNER'S PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM THE ARCHITECT AND CONTRACTOR. THEY SHALL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT AND WATER QUANTITY AND QUALITY SYSTEMS CONTROLS USED ON-SITE IN GOOD WORKING ORDER, POST CONSTRUCTION.

INVENTORY FOR POLLUTION PREVENTION PLAN

MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON-SITE DURING CONSTRUCTION:

- CONCRETE
- FERTILIZERS
- DETERGENTS
- PETROLEUM BASED PRODUCTS
- PAINTS (ENAMEL AND LATEX)
- CLEANING SOLVENTS
- MASONRY BLOCK
- WOOD
- ASPHALT
- MISC. CONSTRUCTION MATERIALS

SPILL PREVENTION

1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT:
   - STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
   - STORE ALL MATERIALS STORED ON-SITE IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
   - KEEP PRODUCTS IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
   - WHENEVER POSSIBLE, USE UP ALL OF A PRODUCT BEFORE DISPOSING OF THE CONTAINER.
   - FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL.
   - INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.
2. THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
   - KEEP PRODUCTS IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
   - RETAIN ORIGINAL LABELS AND MATERIAL SAFETY DATA, THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
   - IF SURPLUS PRODUCT MUST BE DISPOSED OF, FOLLOW MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL.
3. MONITOR ALL ON-SITE VEHICLES FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED OSHA APPROVED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S AND ARCHITECT'S RECOMMENDATIONS.
4. APPLY FERTILIZERS USED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER AND ARCHITECT. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE SHALL BE IN COVERED STORAGE. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
5. SEAL AND STORE ALL PAINT CONTAINERS TIGHTLY WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
6. CONCRETE AND ASPHALT TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

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REGISTERED LANDSCAPE ARCHITECT — ROBERT PAUL PRETTYMAN — 001393 — STATE OF NEW YORK

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CORNELL COOPERATIVE EXTENSION
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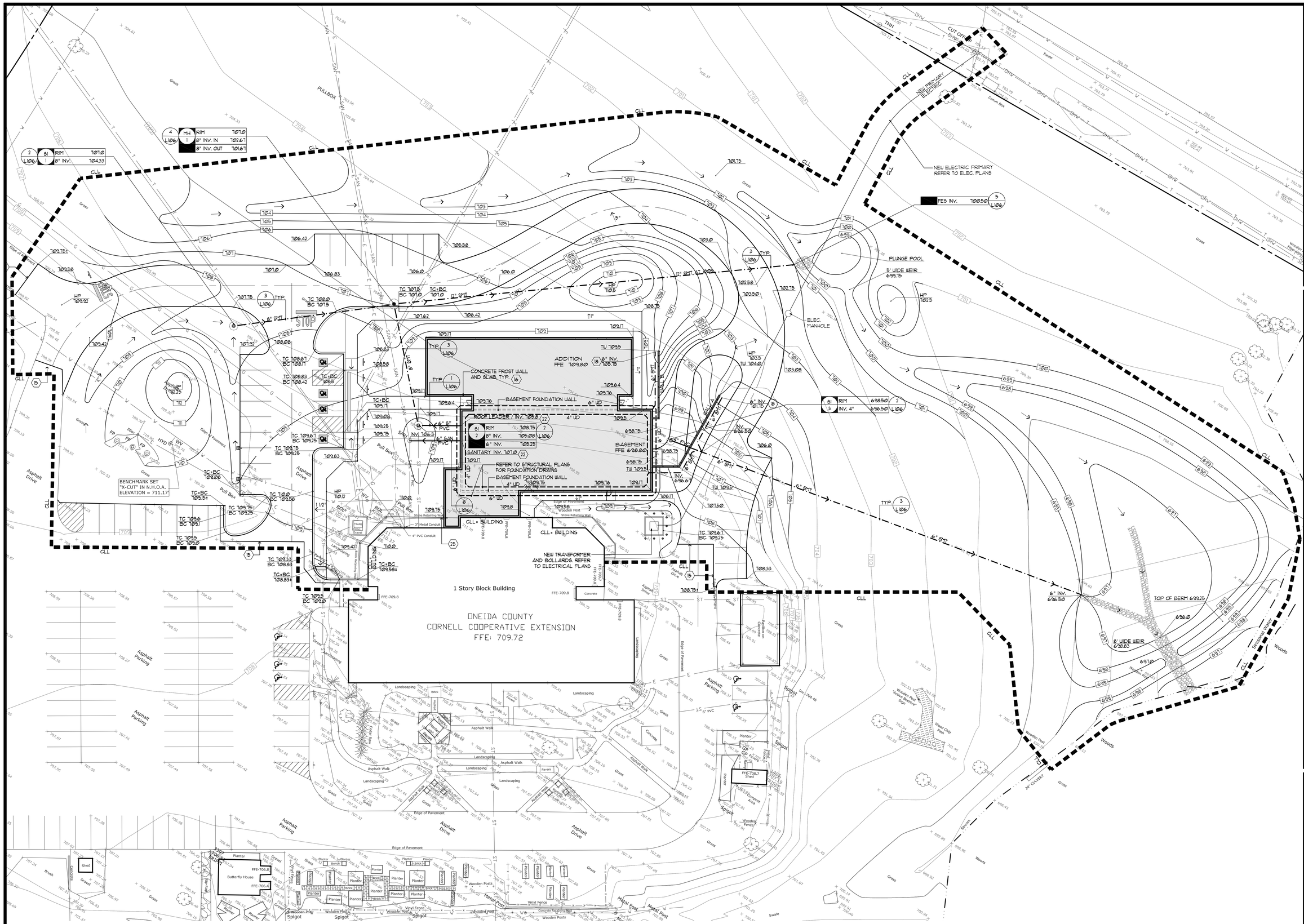
DRAWING TITLE
STORM WATER POLLUTION PREVENTION DETAILS

DRAWING NO.
L103



GRADING DRAINAGE AND UTILITY PLAN

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SCALE IN FEET

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REGISTERED LANDSCAPE ARCHITECT
VINCENT PAUL PRETTYMAN
001283
STATE OF NEW YORK

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GRADING DRAINAGE & UTILITY PLAN

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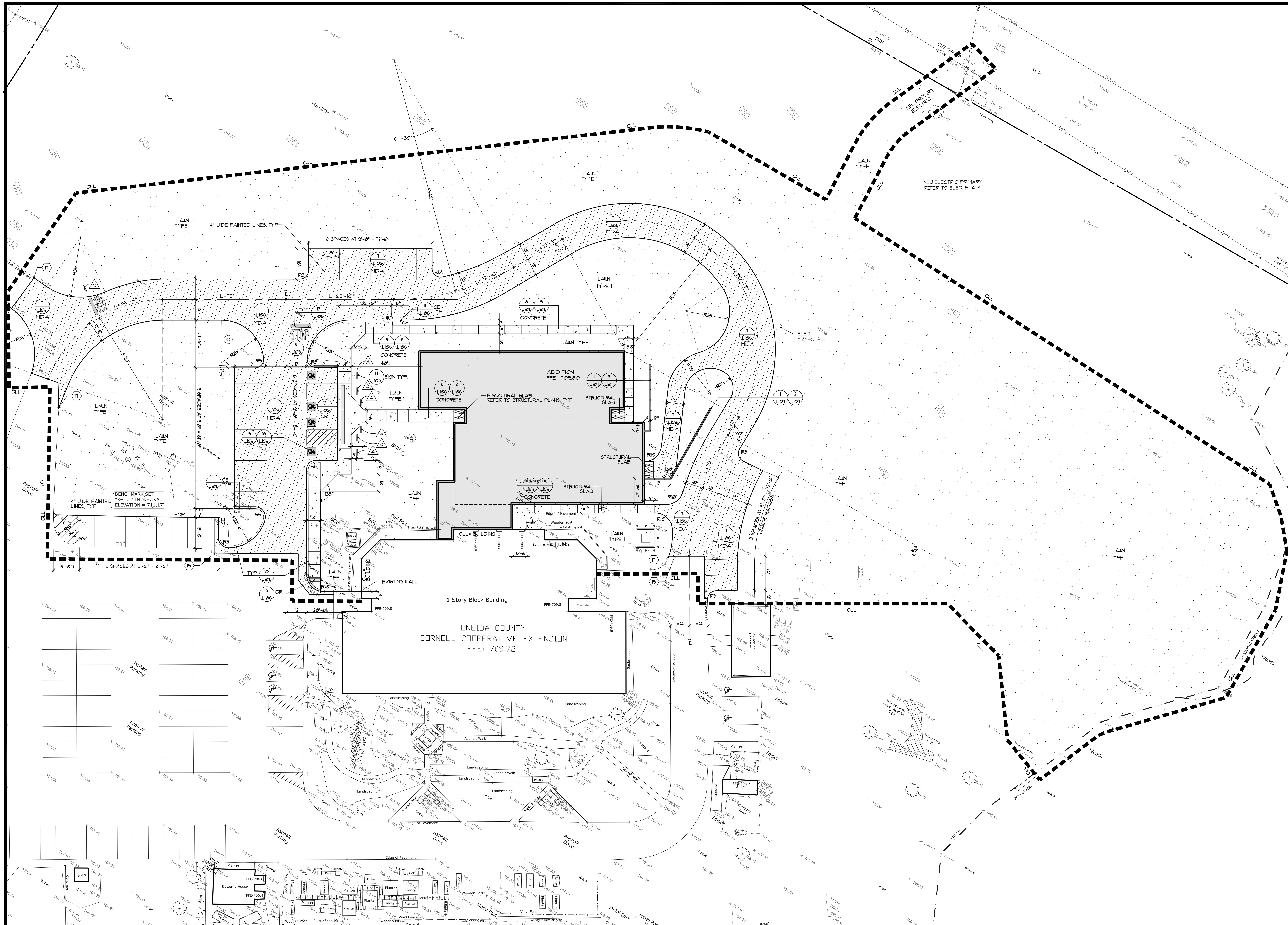
L104



LAYOUT PLAN

0 10 20 40 60
SCALE IN FEET

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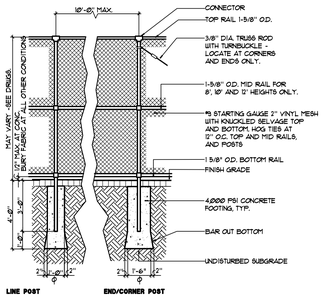
L105



LINE POST END/CORNER POST

POST SCHEDULE

FABRIC HEIGHT	LINE POST O.D.	END / CORNER POST O.D.
4' to 6'	2"	2 1/2"
8' to 12'	2 1/2"	3"

L106 BLACK VINYL CHAIN LINK FENCE = CLF
SECTION • NOT TO SCALE 2719-0809A
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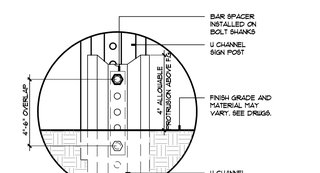
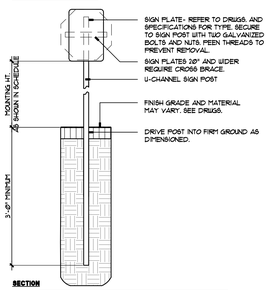


NOTES:
1. LOCATE SIGN MINIMUM 3'-0" FROM CURB OR EDGE OF PAVEMENT TO PREVENT CARS FROM HITTING SIGN POST WITH BUMPER
2. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
3. BREAK-AWAY SYSTEM SHALL BE FHWA APPROVED.

BREAK AWAY SYSTEM



SECTION

SIGN SCHEDULE

		MOUNTING HEIGHT**
A	RESERVED HANDICAPPED PARKING	5'-0"
A	NO PARKING ANYTIME	5'-0"
A	STOP	7'-0"

**ALL DIMENSIONS ARE TO BOTTOM OF SIGN PLATE.

L106 TRAFFIC SIGN
SECTION • NOT TO SCALE 3230-0803A
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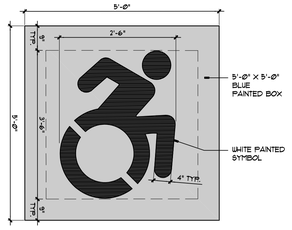

L106 PAINTED RESERVE PARKING SYMBOL
PLAN • NOT TO SCALE 3230-0808A
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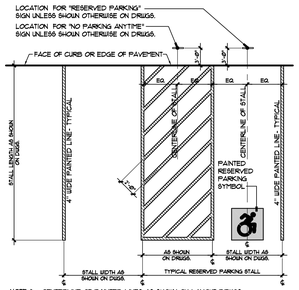

NOTE: 6 = CENTERLINE OF PAINTED LINES AS SHOWN ON LAYOUT DRWGS.

L106 PARKING STALL MARKING-TYPICAL
SECTION • NOT TO SCALE 3230-0809A
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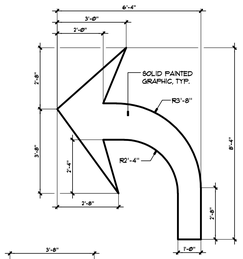

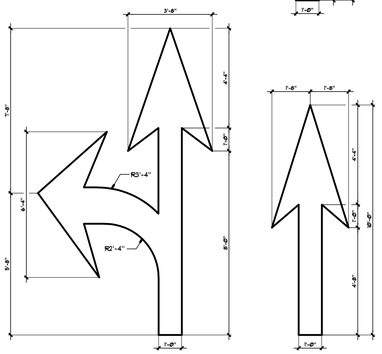

L106 NYSDOT PAINTED ARROWS
SECTION • NOT TO SCALE 3230-0810C
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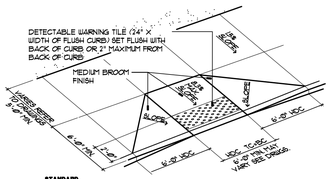
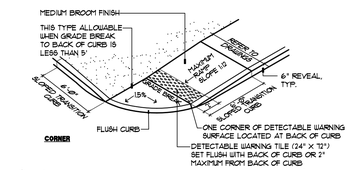


STANDARD



CORNER

L106 CURB RAMP WITH DETECTABLE WARNING SYSTEM
AXONOMETRIC • NOT TO SCALE 3213-0801
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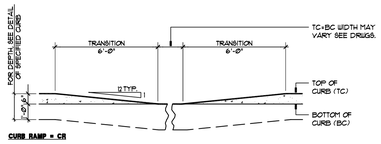
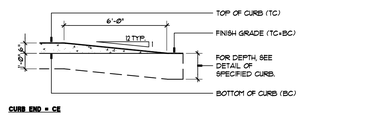


CURB RAMP = CR



CURB END = CE

L106 CONCRETE CURB RAMP AND CURB ENDING = CR/CE
SECTION • NOT TO SCALE 3213-0802
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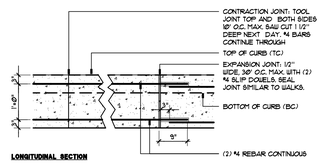
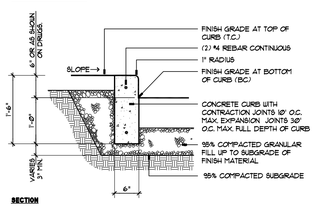


LONGITUDINAL SECTION



SECTION

L106 CONCRETE CURB - STANDARD
SECTION • NOT TO SCALE 3213-0803A
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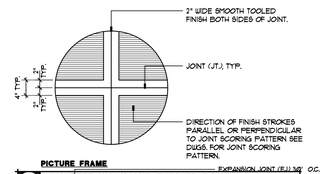

PICTURE FRAME

L106 CONCRETE WALK AND FINISHED PAD
SECTION • NOT TO SCALE 3213-0804
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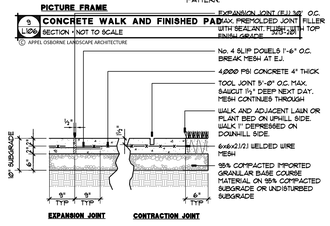

L106 CONCRETE WALK - STANDARD
SECTION • NOT TO SCALE 3213-1203
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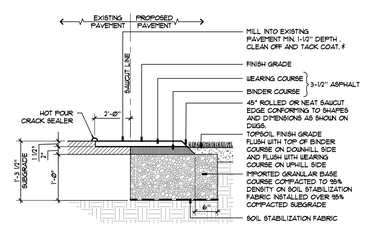

OVERLAPPING OF JOINTS BETWEEN ASPHALT COURSES IS REQUIRED.

L106 MEDIUM DUTY ASPHALT PAVEMENT = MDA
SECTION • NOT TO SCALE 3212-0815
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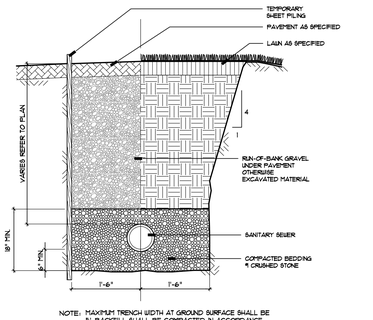

NOTE: MAXIMUM TRENCH WIDTH AT GROUND SURFACE SHALL BE 5'. BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.

L106 SANITARY PIPE = SAN
SECTION • NOT TO SCALE 252-0916
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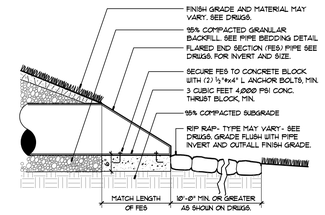

L106 FLARED END SECTION WITH RIP RAP = FES
SECTION • NOT TO SCALE 3340-2154
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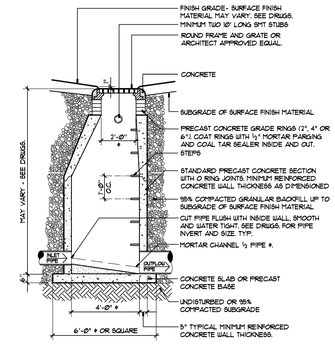

L106 STORM MANHOLE = MH
SECTION • NOT TO SCALE 3340-2034
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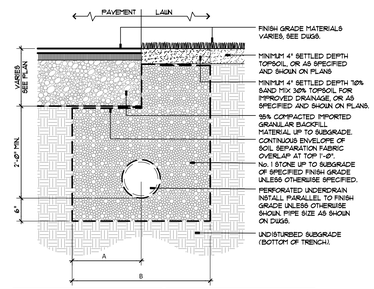

PIPE SIZE	A	B	NOTES
4"	1'-0"	2'-0"	FLEXIBLE
6"	1'-0"	2'-0"	FLEXIBLE
8"	1'-0"	2'-0"	FLEXIBLE

PIPE SIZE	A	B	NOTES
10"	1'-6"	3'-0"	FLEXIBLE
12"	2'-0"	4'-0"	FLEXIBLE

L106 STORMWATER MGMT TRENCH = SMT
SECTION • NOT TO SCALE 3340-1612
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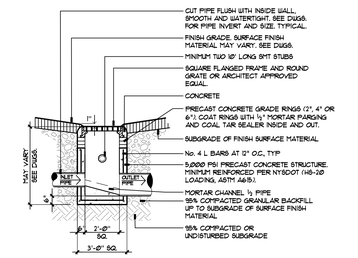

L106 STORM INLET - SI
SECTION • NOT TO SCALE 3340-2012
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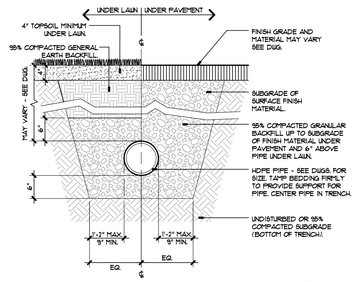

L106 STORM TRENCH = ST
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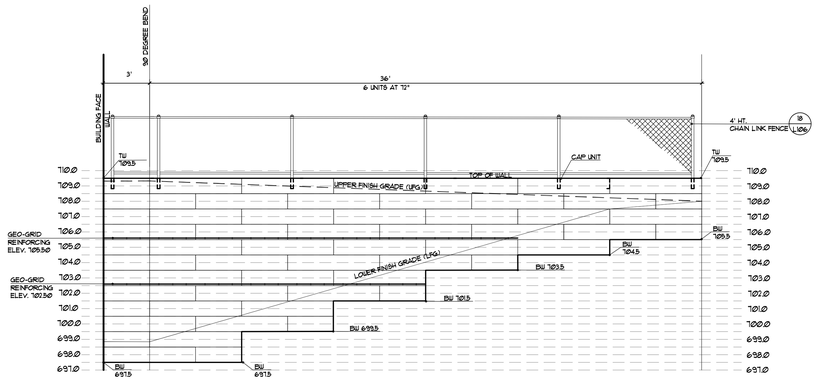
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO.	DESCRIPTION	BY	DATE
REVISIONS			
DATE	MARCH 13, 2025		
DRAWN BY		EF/VP	
CHECKED BY		VP	
SCALE			
PROJECT NO.		23036	

DRAWING TITLE
DETAILS

DRAWING NO.
L106



ELEVATION

9 / L107 — WALL PROFILE-B
SECTION • 1/4"=1' — RETAINING WALL
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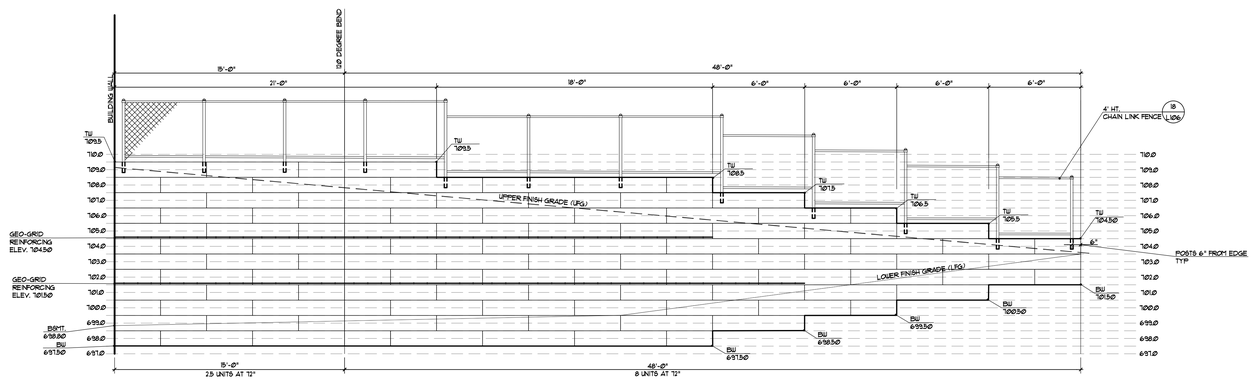

ELEVATION

2 / L107 — WALL PROFILE-A
SECTION • 1/4"=1' — RETAINING WALL
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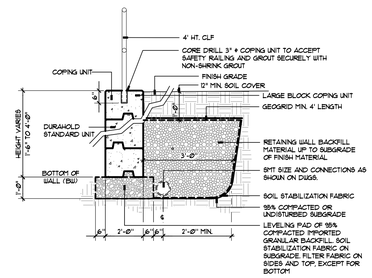
LEGEND

TW	TOP OF WALL
BW	BOTTOM OF WALL
UFG	UPPER FINISH GRADE
LFG	LOWER FINISH GRADE



1 / L107 — DURA-HOLD II WALL SYSTEM
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ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

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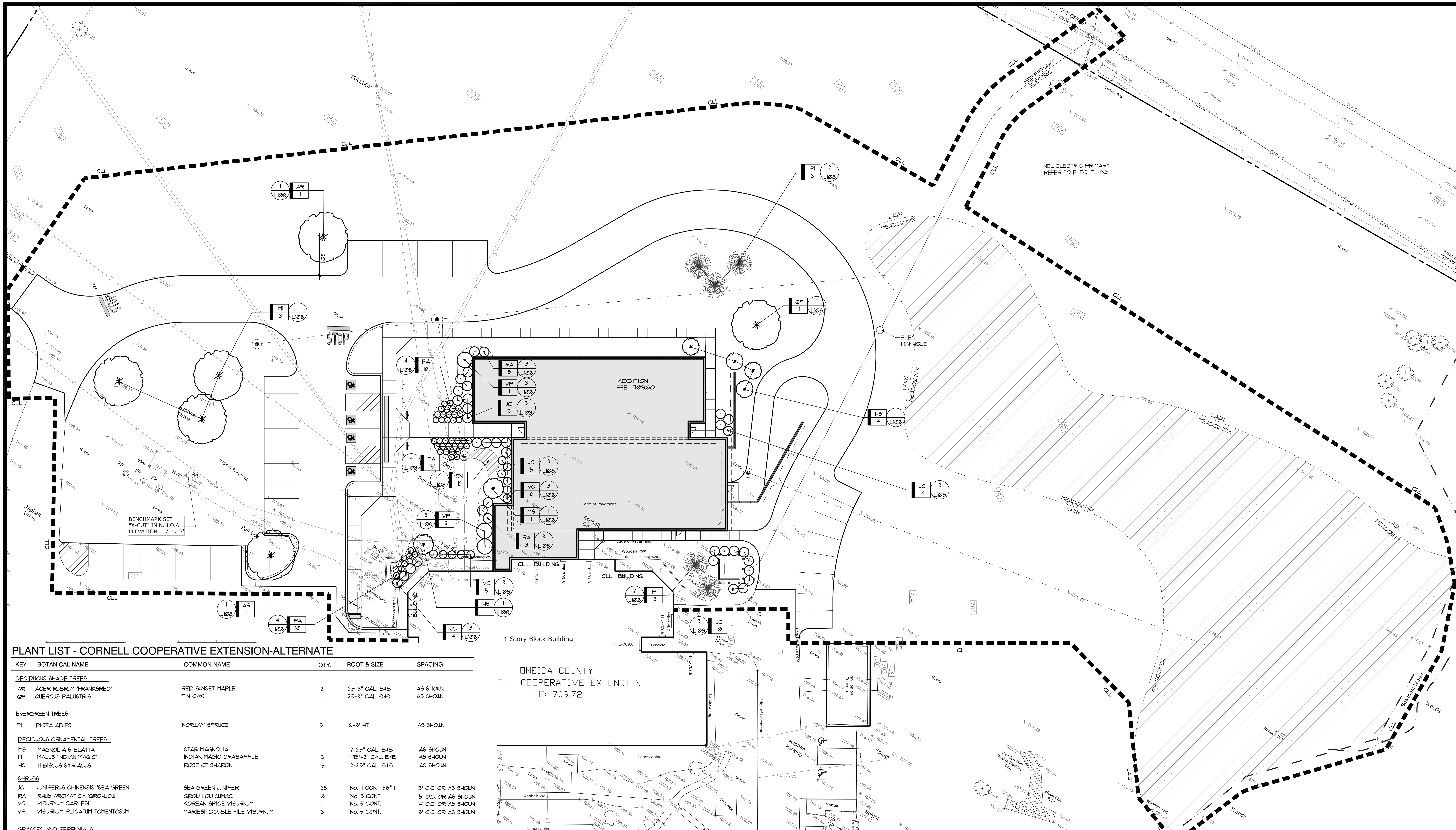
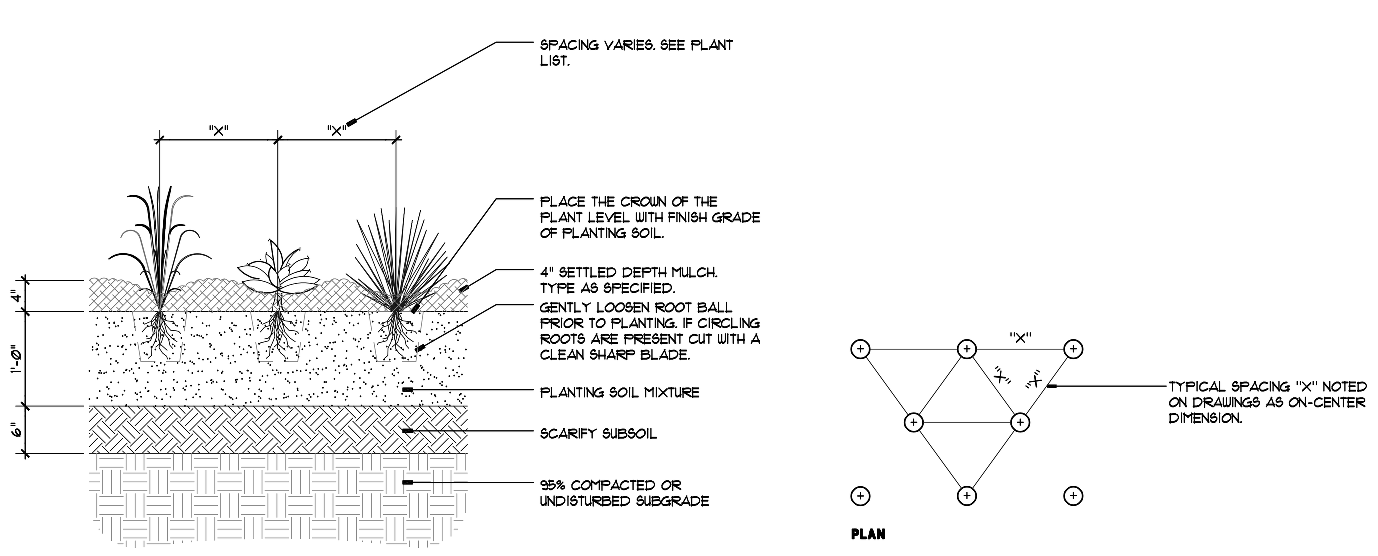


PLANT LIST - CORNELL COOPERATIVE EXTENSION-ALTERNATE

KEY	BOTANICAL NAME	COMMON NAME	QTY.	ROOT & SIZE	SPACING
DECIDUOUS SHADE TREES					
AR	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	2	2.5-3" CAL. B&B	AS SHOWN
QP	QUERCUS PALUSTRIS	PIN OAK	1	2.5-3" CAL. B&B	AS SHOWN
EVERGREEN TREES					
PI	PICEA ABIES	NORWAY SPRUCE	5	6-8' HT.	AS SHOWN
DECIDUOUS ORNAMENTAL TREES					
MS	MAGNOLIA STELATTA	STAR MAGNOLIA	1	2-2.5" CAL. B&B	AS SHOWN
MI	MALUS 'INDIAN MAGIC'	INDIAN MAGIC CRABAPPLE	3	1.75"-2" CAL. B&B	AS SHOWN
HS	HIBISCUS SYRIACUS	ROSE OF SHARON	5	2-2.5" CAL. B&B	AS SHOWN
SHRUBS					
JC	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	28	No. 7 CONT. 36" HT.	5' O.C. OR AS SHOWN
RA	RHUS AROMATICA 'GRO-LOW'	GROW LOW SUMAC	8	No. 5 CONT.	5' O.C. OR AS SHOWN
VC	VIBURNUM CARLESII	KOREAN SPICE VIBURNUM	11	No. 5 CONT.	4' O.C. OR AS SHOWN
VP	VIBURNUM PLICATUM TOMENTOSUM	MARIESII DOUBLE FILE VIBURNUM	3	No. 5 CONT.	8' O.C. OR AS SHOWN
GRASSES AND PERENNIALS					
SN	SALVIA NEMOROSA 'CARADONNA'	SAGE	12	No. 1 CONT.	18" O.C.
PA	PENNISETUM ALOPECUROIDES 'CASSIAN'	CASSIAN FOUNTAIN GRASS	45	No. 2 CONT.	24" O.C.



4 L108 **GROUNDCOVER PLANT SPACING**
SECTION • NOT TO SCALE 290-010
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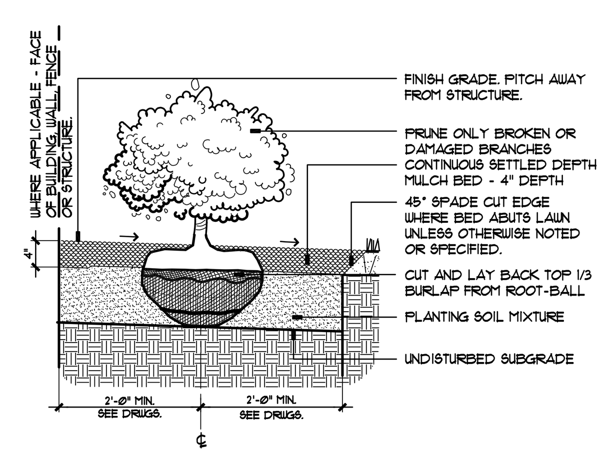

3 L108 **SHRUB PLANTING**
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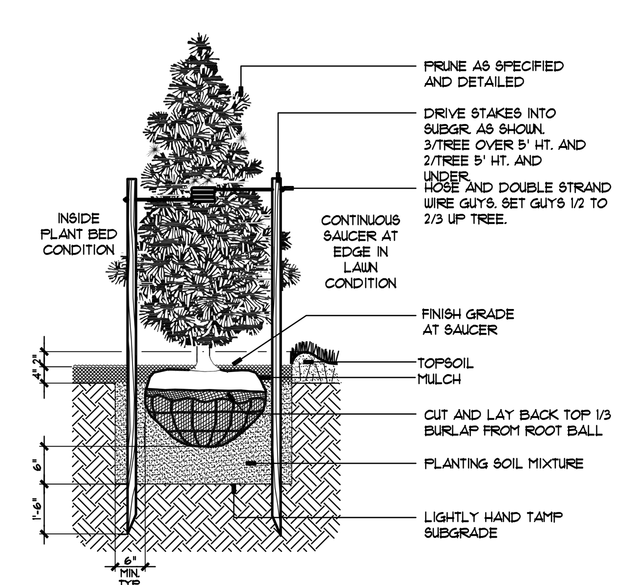

2 L108 **EVERGREEN TREE PLANTING**
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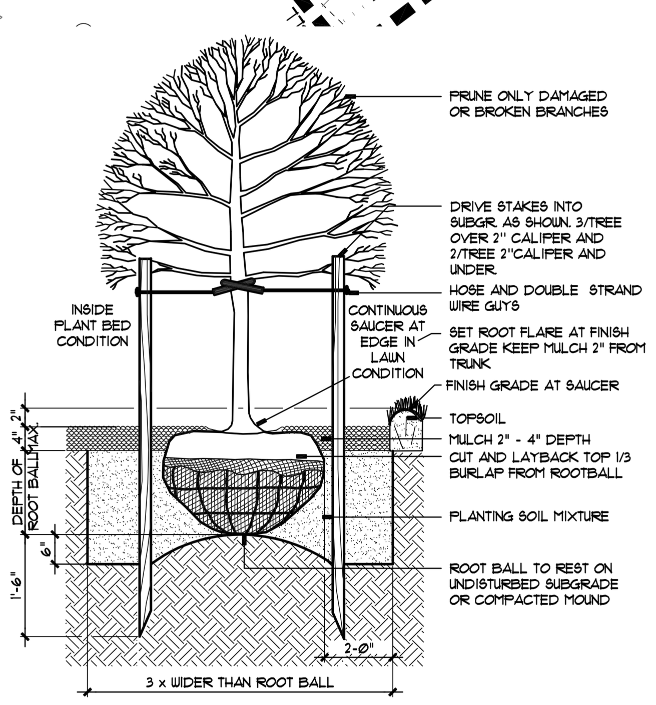

1 L108 **DECIDUOUS TREE PLANTING – SINGLE STEM**
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C108

PLANTING PLAN

0 10 20 40 60
SCALE IN FEET

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CORNELL COOPERATIVE EXTENSION
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NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	MARCH 13, 2025
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CHECKED BY	VP
SCALE	
PROJECT NO.	23036

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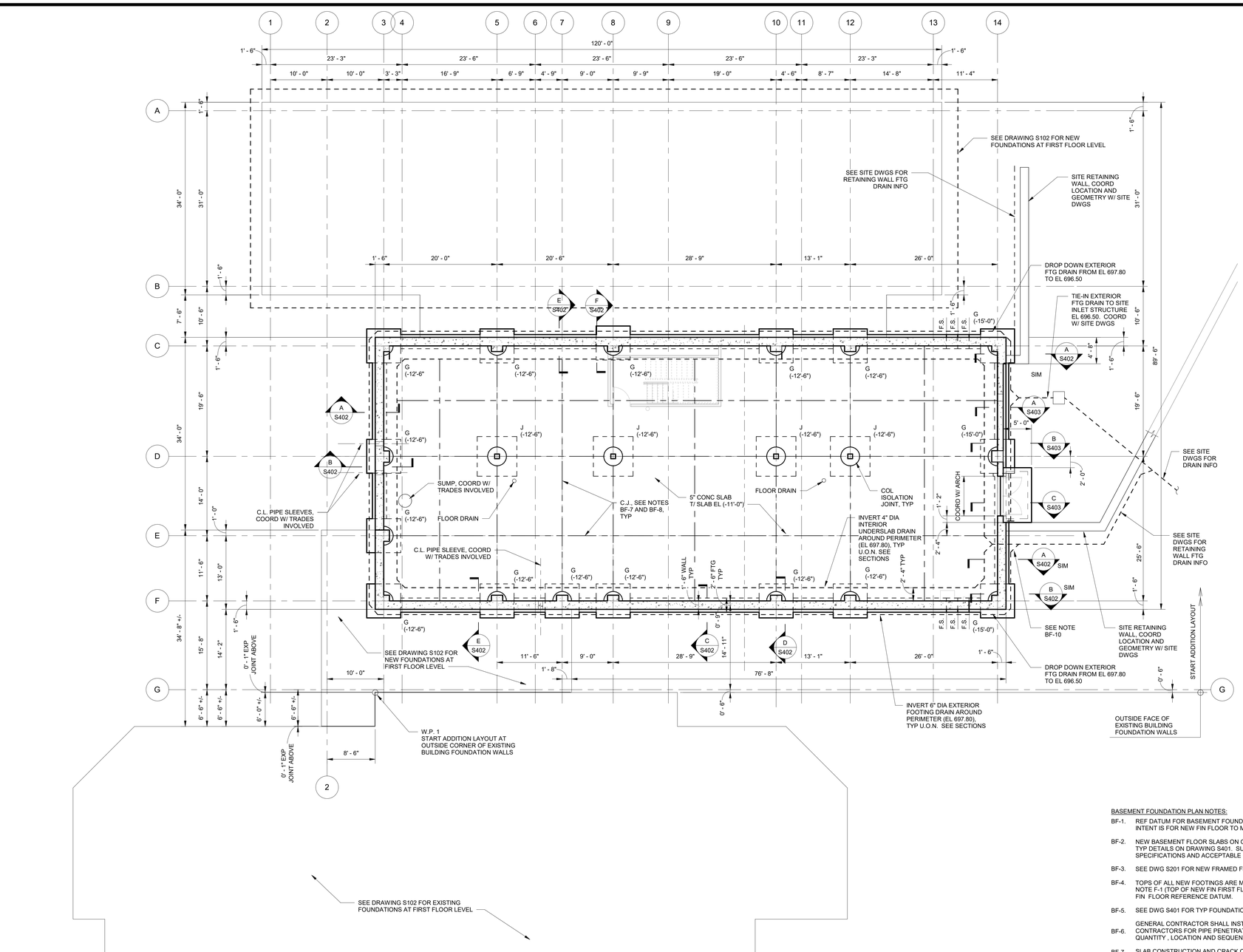
PLANTING PLAN

DRAWING NO.
L108



1 S101 BASEMENT FOUNDATION PLAN
1/8" = 1'-0"

FOOTING SCHEDULE		
FOOTING MARK	FOOTING SIZE	REINFORCEMENT
A	3'-0"x3'-0"x16"	6-#4 E.W. BOT
B	3'-6"x3'-6"x16"	4-#5 E.W. BOT
C	4'-0"x4'-0"x16"	5-#5 E.W. BOT
D	4'-6"x4'-6"x16"	6-#5 E.W. BOT
E	5'-0"x5'-0"x16"	7-#5 E.W. BOT
F	5'-6"x5'-6"x16"	7-#6 E.W. BOT
G	6'-0"x6'-0"x18"	7-#6 E.W. BOT
H	6'-6"x6'-6"x20"	7-#7 E.W. BOT
J	7'-0"x7'-0"x20"	8-#7 E.W. BOT
K	7'-6"x7'-6"x22"	9-#7 E.W. BOT
L	8'-0"x8'-0"x22"	10-#7 E.W. BOT
M	6'-0"x5'-0"x16"	7-#6 E.W. BOT
N	5'-0"x5'-0"x24"	7-#5 E.W. BOT

NOTE:
SOME MARKS SHOWN ON SCHEDULE MAY NOT OCCUR ON PLAN.

BASEMENT FOUNDATION PLAN NOTES:

BF-1. REF DATUM FOR BASEMENT FOUNDATION PLAN IS NEW FIN FIRST FLOOR CONC SLAB ELEV +0'-0" (EL 709.80). INTENT IS FOR NEW FIN FLOOR TO MATCH EXIST FIN FLOOR WHERE NEW MEETS EXISTING.

BF-2. NEW BASEMENT FLOOR SLABS ON GRADE SHALL BE 5" NORMAL WEIGHT CONCRETE W/ #4@12 E.W. TOP. SEE TYP DETAILS ON DRAWING S401. SUPPORT REINFORCEMENT ON BAR SUPPORTS IN ACCORDANCE WITH THE SPECIFICATIONS AND ACCEPTABLE PRACTICES.

BF-3. SEE DWG S201 FOR NEW FRAMED FLOOR OVER BASEMENT.

BF-4. TOPS OF ALL NEW FOOTINGS ARE MEASURED FROM LOCAL REFERENCE DATUM IN NOTE F-1 (TOP OF NEW FIN FIRST FLOOR CONC SLAB) AND ARE SHOWN THUS (-11'-0") FROM FIN FLOOR REFERENCE DATUM.

BF-5. SEE DWG S401 FOR TYP FOUNDATION DETAILS. SEE DWG S701 FOR GENERAL NOTES AND DESIGN PARAMETERS.

BF-6. GENERAL CONTRACTOR SHALL INSTALL SLEEVES PROVIDED BY PLUMBING AND ELECTRICAL CONSTRUCTION CONTRACTORS FOR PIPE PENETRATIONS THROUGH THE FOUNDATION WALLS AS REQ'D. COORDINATE SIZE, QUANTITY , LOCATION AND SEQUENCE OF PLACEMENT W/ TRADE INVOLVED.

BF-7. SLAB CONSTRUCTION AND CRACK CONTROL JOINTS ARE SCHEMATICALLY SHOWN. CONTRACTOR MAY PROVIDE PLAN LAYOUT FOR PROPOSED ALTERNATE JOINT LOCATIONS FOR APPROVAL. SEE DRAWING S401 FOR TYP JOINT DETAILS.

BF-8. ALL BASEMENT WALLS AND SLAB CONTROL, CONTRACTION AND CONSTRUCTION JOISTS SHALL HAVE WATERSTOPS.

BF-9. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ALL DISCREPANCIES BEFORE STARTING WORK. SEE NOTE MS-1 ON DWG S701.

BF-10. DROP-DOWN INTERIOR UNDERSLAB DRAIN AFTER GOING THRU BUILDING EXTERIOR WALL AND TIE INTO EXTERIOR FTG DRAIN AT EL 696.50. TIE-IN BOTH THE UNDERSLAB DRAIN AND THE BLDG EXTERIOR FTG DRAIN TO SITE RETAINING WALL FTG DRAIN @ EL 696.50. SEE SITE DWGS FOR ADD'L. INFO.

BF-11 BUILDING PAD SITE PREPARATION AND GROUND IMPROVEMENTS:

A. THE PROPOSED BUILDING ADDITION HAS BEEN DESIGNED AND DETAILED TO BE SUPPORTED ON A CONVENTIONAL FOUNDATION SYSTEM CONSISTING OF CONTINUOUS WALL SPREAD FOOTINGS AND INDIVIDUAL COLUMN SPREAD FOOTINGS BASED ON THE INFORMATION AND RECOMMENDATIONS CONTAINED WITHIN THE REFERENCED GEOTECHNICAL REPORT TITLED "SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS REPORT" PREPARED BY CME ASSOCIATES, INC., CME REPORT No. 28106B-01-0224 DATED FEBRUARY 07,2024.

HOWEVER, SEVERAL SOIL BORINGS IN THE REFERENCED GEOTECHNICAL REPORT IDENTIFIED THE PRESENCE OF EXISTING FILL OR REWORKED SOIL MATERIALS RANGING FROM ABOUT 2-FEET TO 8-FEET BELOW THE EXISTING GRADES. THE EXISTING FILL OR REWORKED SOIL MATERIALS HAVE BEEN ASSIGNED ZERO BEARING CAPACITY AND SHALL NOT BE USED FOR SUPPORT OF THE BUILDING ADDITION FOOTINGS OR SLABS ON GRADE.

BASED ON INFORMATION CONTAINED WITHIN THE REFERENCED REPORT, SPECIFIC GROUND IMPROVEMENTS ARE REQUIRED AS PART OF THE BUILDING PAD SITE PREPARATION TO SUPPORT THE PROPOSED BUILDING ADDITION.

1. CONVENTIONAL MASS EXCAVATION OF EXISTING UNSUITABLE FILL OR REWORKED SOIL MATERIAL: THIS IMPROVEMENT INVOLVES COMPLETE REMOVAL AND DISPOSAL OF THE IDENTIFIED EXISTING FILL OR REWORKED SOIL MATERIAL TO A SUITABLE BEARING MATERIAL, FOLLOWED BY COMPLETE REPLACEMENT WITH IMPORTED STRUCTURAL FILL SOIL MATERIAL TO THE REQUIRED SUBGRADE ELEVATIONS OF THE BUILDING PAD. THE IMPORTED STRUCTURAL FILL MATERIAL SHALL BE INSTALLED IN A CONTROLLED MANNER IN COMPACTED AND TESTED LIFTS TO CREATE A SUITABLE BUILDING PAD. THIS PROCEDURE REQUIRES CONTINUAL ON-SITE OBSERVATIONS AND TESTING BY THE OWNER PROVIDED INSPECTING PROFESSIONAL GEOTECHNICAL ENGINEER (IPGE) SPECIAL INSPECTOR AND SHALL BE COMPLETED PRIOR TO ANY EXCAVATION FOR THE PROPOSED FOUNDATION SYSTEM. THE EXCAVATED MATERIALS SHALL BE LEGALLY DEPOSED OF OFF-SITE (UNLESS THE OWNER CAN IDENTIFY WHERE THE EXCAVATED MATERIALS CAN BE LEGALLY DEPOSED OF ON-SITE).

B. THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO THE BUILDING PAD SITE PREPARATION AND GROUND IMPROVEMENT REQUIREMENTS IDENTIFIED IN PROJECT SPECIFICATION SECTION 312000 – "BUILDING EARTH MOVING" AND AS SHOWN ON THE DRAWINGS.

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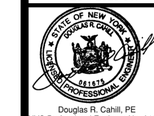


Douglas R. Cahill, PE
NYS Professional Engineer No. 61675
Expiration Date 3/31/2026

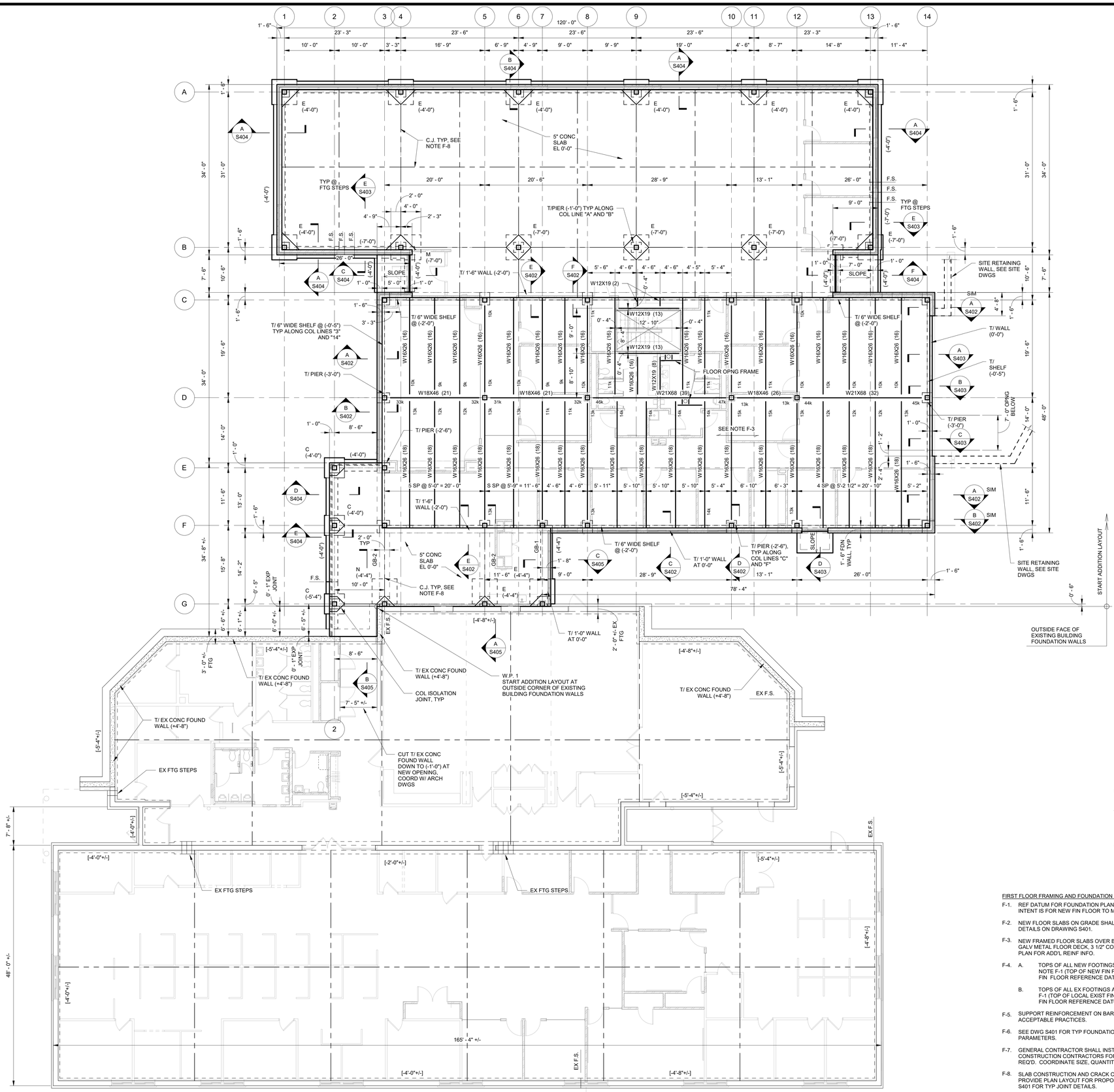
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO.	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	TJP/KSC
CHECKED BY	DRC
SCALE	1/8" = 1'-0"
PROJECT NO.	23036

DRAWING TITLE
BASEMENT FOUNDATION PLAN

DRAWING NO.
S101



1 S201 FIRST FLOOR FRAMING AND FOUNDATION PLAN
1/8" = 1'-0"

FOOTING SCHEDULE		
FOOTING MARK	FOOTING SIZE	REINFORCEMENT
A	3'-0"x3'-0"x16"	6-#4 E.W. BOT
B	3'-6"x3'-6"x16"	4-#5 E.W. BOT
C	4'-0"x4'-0"x16"	5-#5 E.W. BOT
D	4'-6"x4'-6"x16"	6-#5 E.W. BOT
E	5'-0"x5'-0"x16"	7-#5 E.W. BOT
F	5'-6"x5'-6"x16"	7-#6 E.W. BOT
G	6'-0"x6'-0"x18"	7-#6 E.W. BOT
H	6'-6"x6'-6"x20"	7-#7 E.W. BOT
J	7'-0"x7'-0"x20"	8-#7 E.W. BOT
K	7'-6"x7'-6"x22"	9-#7 E.W. BOT
L	8'-0"x8'-0"x22"	10-#7 E.W. BOT
M	6'-0"x5'-0"x16"	7-#6 E.W. BOT
N	5'-0"x5'-0"x24"	7-#5 E.W. BOT

NOTE:
SOME MARKS SHOWN ON SCHEDULE MAY NOT OCCUR ON PLAN.

KEY:

_X k - DESIGNATES MEMBER UN-FACTORED END REACTIONS (GRAVITY LOADS).

FOR MEMBERS NOT LABELED, UN-FACTORED END REACTION LESS THAN OR EQUAL TO 10 KIPS

(16) - DESIGNATES NUMBER OF SHEAR CONNECTORS ON BEAMS. SEE TYPICAL DETAILS ON DWG S601.

FIRST FLOOR FRAMING AND FOUNDATION PLAN NOTES:

F-1. REF DATUM FOR FOUNDATION PLAN IS NEW FIN FIRST FLOOR CONC SLAB ELEV +0'-0" (EL 709.80). INTENT IS FOR NEW FIN FLOOR TO MATCH EXIST FIN FLOOR WHERE NEW MEETS EXISTING.

F-2. NEW FLOOR SLABS ON GRADE SHALL BE 5" NORMAL WEIGHT CONCRETE W/ #4@12 E.W. TOP. SEE TYP DETAILS ON DRAWING S401.

F-3. NEW FRAMED FLOOR SLABS OVER BASEMENT AREA SHALL CONSIST OF 1 1/2" 20 GA TYPE B COMPOSITE GALV METAL FLOOR DECK, 3 1/2" CONCRETE SLAB (TOTAL THICKNESS = 5") W/ #4@12 E.W. TOP. SEE PLAN FOR ADD'L REINF INFO.

F-4. A. TOPS OF ALL NEW FOOTINGS ARE MEASURED FROM LOCAL REFERENCE DATUM IN NOTE F-1 (TOP OF NEW FIN FIRST FLOOR CONC SLAB) AND ARE SHOWN THUS (-4'-0") FROM FIN FLOOR REFERENCE DATUM.

B. TOPS OF ALL EX FOOTINGS ARE MEASURED FROM LOCAL REFERENCE DATUM IN NOTE F-1 (TOP OF LOCAL EXIST FIN FIRST FLOOR) AND ARE SHOWN THUS [-4'-0"+/-] FROM FIN FLOOR REFERENCE DATUM.

F-5. SUPPORT REINFORCEMENT ON BAR SUPPORTS IN ACCORDANCE WITH THE SPECIFICATIONS AND ACCEPTABLE PRACTICES.

F-6. SEE DWG S401 FOR TYP FOUNDATION DETAILS. SEE DWG S701 FOR GENERAL NOTES AND DESIGN PARAMETERS.

F-7. GENERAL CONTRACTOR SHALL INSTALL SLEEVES PROVIDED BY PLUMBING AND ELECTRICAL CONSTRUCTION CONTRACTORS FOR PIPE PENETRATIONS THROUGH THE FOUNDATION WALLS AS REQ'D. COORDINATE SIZE, QUANTITY , LOCATION AND SEQUENCE OF PLACEMENT W/ TRADE INVOLVED.

F-8. SLAB CONSTRUCTION AND CRACK CONTROL JOINTS ARE SCHEMATICALLY SHOWN. CONTRACTOR MAY PROVIDE PLAN LAYOUT FOR PROPOSED ALTERNATE JOINT LOCATIONS FOR APPROVAL. SEE DRAWING S401 FOR TYP JOINT DETAILS.

F-9. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ALL DISCREPANCIES BEFORE STARTING WORK. SEE NOTE MS-1 ON DWG S701.

F-10. REFER TO BASEMENT FOUNDATION PLAN NOTE BF-11 FOR BUILDING PAD SITE PREPARATION AND GROUND IMPROVEMENT INFORMATION.

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STATE OF NEW YORK DOUGLAS R. CAHILL 061675 PROFESSIONAL ENGINEER

Douglas R. Cahill, PE
NYS Professional Engineer No. 61675
Expiration Date 3/31/2026

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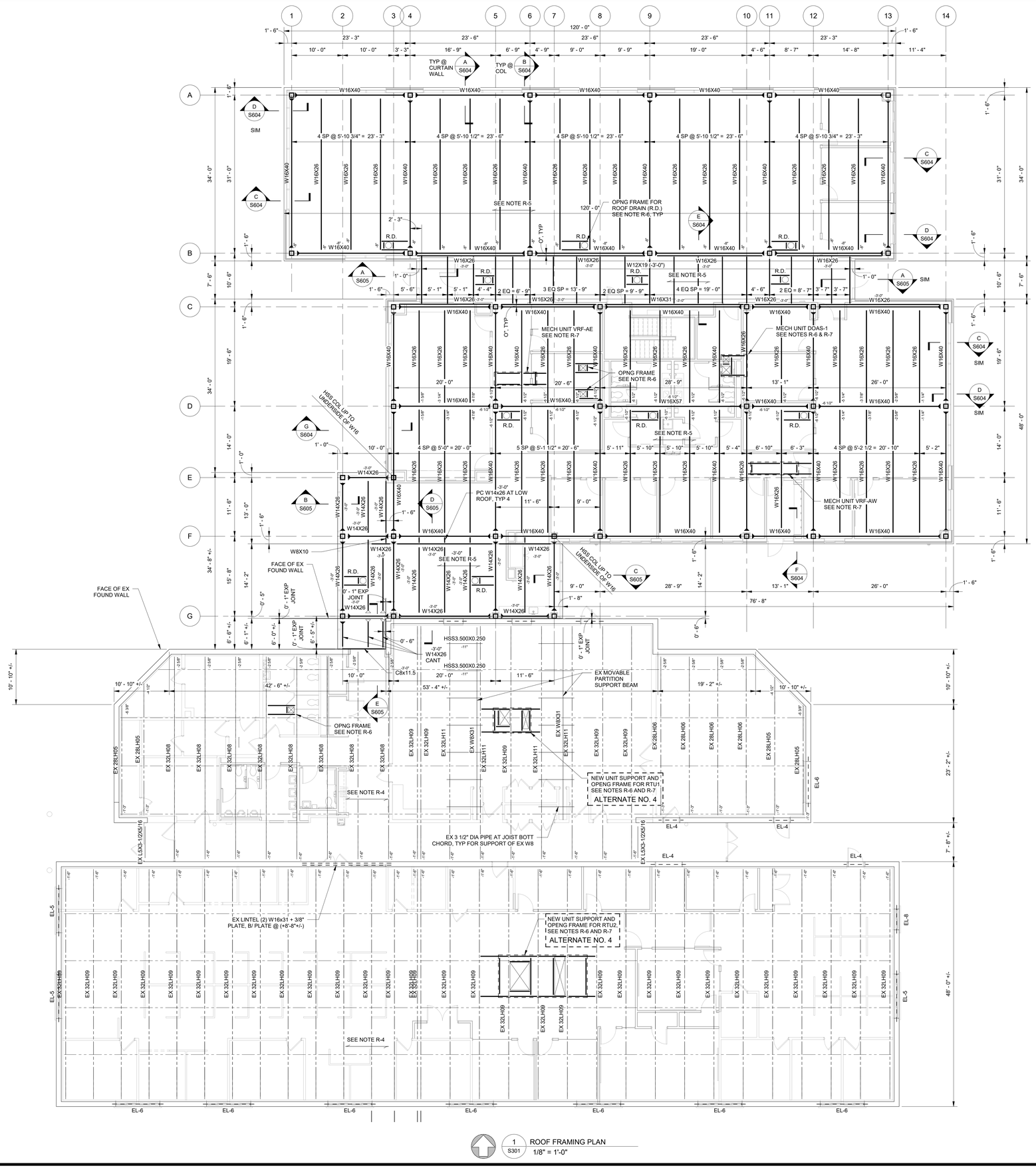
PROJECT NO.	23036

DRAWING TITLE
FIRST FLR FRAMING & FOUNDATION PLAN

DRAWING NO.
S201



1 S301 ROOF FRAMING PLAN
1/8" = 1'-0"

KEY:

- DESIGNATES MOMENT FRAME CONNECTION SEE TYPICAL DETAILS ON DWG S603
- DESIGNATES BEAM CANTILEVER MOMENT CONNECTION SEE SECTIONS
- X.k - DESIGNATES MEMBER UN-FACTORED END REACTIONS (GRAVITY LOADS).

FOR MEMBERS NOT LABELED, SHEAR CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM UN-FACTORED END REACTION EQUAL TO 25 KIPS

ROOF FRAMING PLAN NOTES:

R-1. PROJECT REF DATUM IS FINISH FIRST FLOOR ELEV 0'-0" (EL 709.80).

R-2. TOP OF EXISTING ROOF STEEL IS AT +15-1+/- ABOVE REF DATUM 0'-0" IN NOTE R-1 U.O.N. AND MEASURED FROM EL 15'-1".

R-3. TOP OF NEW ROOF STEEL IS AT +16'-0" ABOVE REF DATUM 0'-0" IN NOTE R-1 U.O.N. AND MEASURED FROM EL 16'-0". SEE PLAN FOR ADD'L INFO REGARDING T/STEEL ELEVATION AT NEW LOW ROOF AREAS.

R-4. EXISTING ROOF DECK: 1 1/2" GALV 20 GA TYPE B METAL ROOF DECK, SEE PLAN FOR DIRECTION OF SPAN.

R-5. NEW ROOF DECK: 1 1/2" GALV 20 GA TYPE B METAL ROOF DECK, SEE PLAN FOR DIRECTION OF SPAN.

R-6. PROVIDE ROOF OPENING FRAMES PER TYPICAL DETAILS ON DWG S601 FOR ALL ROOF OPENINGS GREATER THAN OR EQUAL TO 12" IN ANY DIRECTION. CONTRACTOR SHALL REVIEW ALL CONTRACT DRAWINGS FOR OPENINGS REQUIRED AND COORDINATE OPENING SIZES AND LOCATIONS WITH APPROVED EQUIPMENT OR ACCESSORIES SHOP DRAWINGS AND TRADE INVOLVED.

R-7. PROVIDE SUPPORT FRAMING FOR NEW MECHANICAL EQUIPMENT PER TYPICAL DETAILS ON DWG S601. CONTRACTOR SHALL REVIEW ALL CONTRACT DRAWINGS FOR MECHANICAL EQUIPMENT REQUIRED AND COORDINATE ALL DIMENSIONAL REQUIREMENTS FOR SUPPORT FRAMING (INCLUDING SIZES AND LOCATIONS) WITH APPROVED EQUIPMENT OR ACCESSORIES SHOP DRAWINGS AND TRADE INVOLVED.

R-8. SEE DWG S601 FOR ADDITIONAL TYPICAL FRAMING DETAILS AND DRAWING S701 FOR DESIGN PARAMETERS AND GENERAL NOTES.

R-9. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ALL DISCREPANCIES BEFORE STARTING WORK. SEE NOTE MS-1 ON DWG S701.

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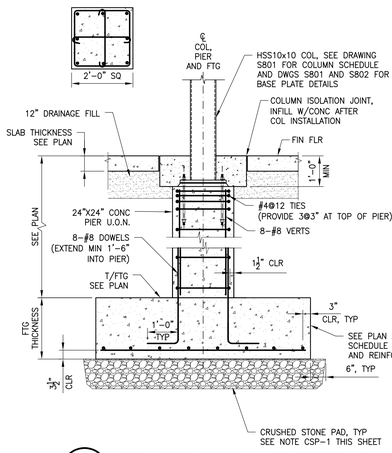
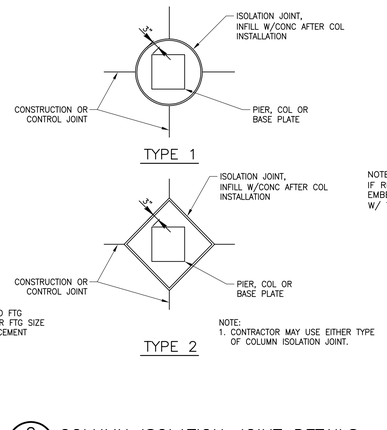
DRAWING TITLE
ROOF FRAMING PLAN

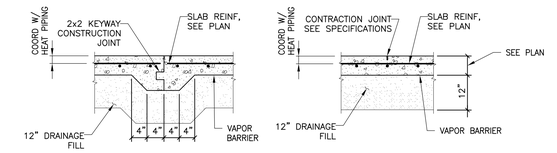
DRAWING NO.
S301



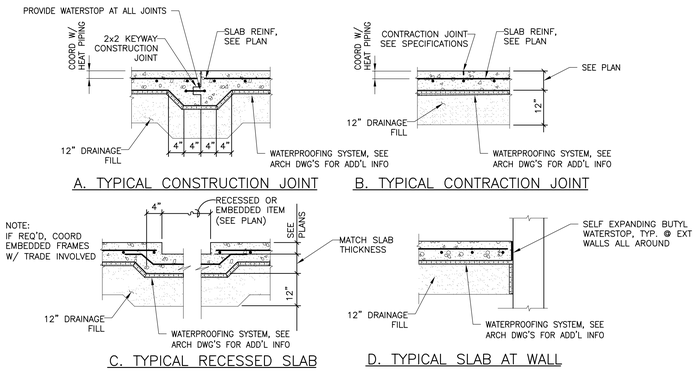
1 S401 ISOLATED PIER AND FOOTING
NO SCALE



2 S401 COLUMN ISOLATION JOINT DETAILS
NO SCALE



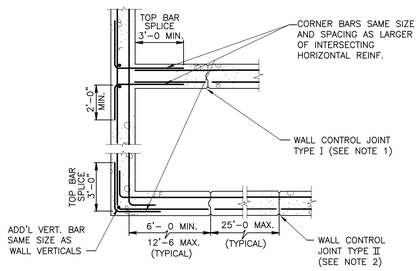
FIRST FLOOR SLABS

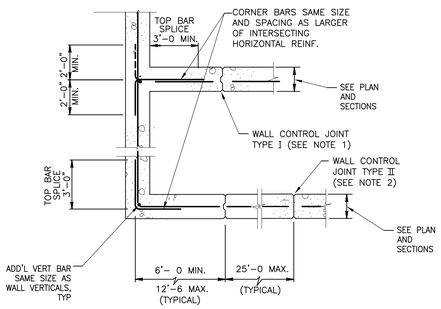


BASEMENT SLABS

NOTES:
1. ALL CONCRETE FOR SLAB ON GRADE SHALL BE F'c = PER SPECIFICATION SECTION 033000, "CAST-IN-PLACE CONCRETE"
2. REBAR TO BE RECESSED OR LAPPED AT ALL RECESSES.
3. REBAR SHALL BE SUPPORTED AND LAPPED PER THE SPECIFICATIONS.

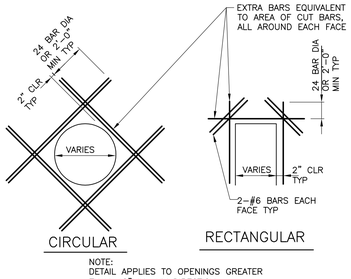
3 S401 TYPICAL SLAB ON GRADE
NO SCALE





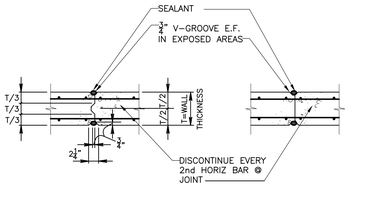
NOTES:
1. NO WALL CONTROL JOINT IS ALLOWED WITHIN 6 FEET OF CORNERS OR INTERSECTING WALLS. PROVIDE WALL CONSTRUCTION JOINT IN THESE AREAS IF JOINT IS REQUIRED.
2. PROVIDE WALL CONTROL JOINTS @ 25'-0 O.C. MAX. PROVIDE TYPE I WHEN LOCATION OF CONTROL JOINT COINCIDES WITH CONSTRUCTION JOINT LOCATION. PROVIDE TYPE II WHEN LENGTH OF WALL POUR EXCEEDS 25'-0.
3. PROVIDE WATERSTOPS @ ALL HORIZ. AND VERTICAL JOINTS IN BASEMENT FOUND. WALLS (NOT SHOWN).

4 S401 TYP CORNER/INTER. WALL REINF
NO SCALE



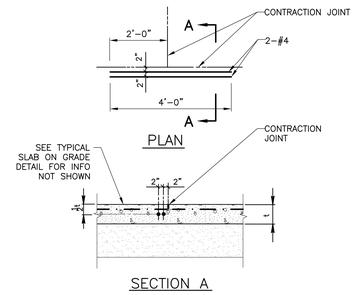
NOTE: DETAIL APPLIES TO OPENINGS GREATER THAN 12" IN ANY DIRECTION

5 S401 OPENING REINFORCEMENT
NO SCALE

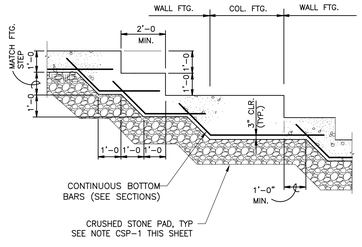


NOTES:
1. PROVIDE WATERSTOPS @ ALL HORIZ. AND VERTICAL JOINTS IN BASEMENT FOUND. WALLS (NOT SHOWN).

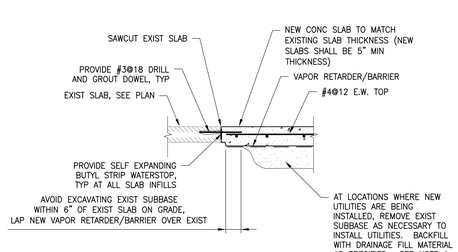
6 S401 WALL CONSTRUCTION / CONTROL JOINT
NO SCALE



7 S401 DISCONTINUOUS CONTRACTION JOINT
NO SCALE

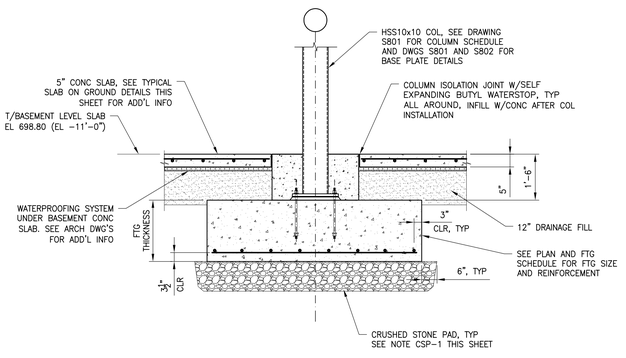


8 S401 TYP STEPPED WALL FTG
NTS



9 S401 TYPICAL AT ALL SLAB REMOVAL AND INFILL LOCATIONS
NTS

NOTES:
1. AT LOCATIONS WHERE EXISTING SLABS ARE BEING REMOVED AND NEW SLABS ARE BEING INSTALLED IN THEIR PLACE, REMOVE EXISTING SUBGRADE AS REQUIRED TO ALLOW PLACEMENT OF 6" MIN NEW DRAINAGE FILL PER SPECIFICATIONS. THIS APPLIES WHETHER OR NOT NEW UTILITIES ARE BEING INSTALLED.



NOTES:
1. DETAIL APPLIES AT COL'S "D-5", "D-8", D-10" AND "D-12"

10 S401 ISOLATED FOOTING DETAIL AT BASEMENT
1/2"=1'-0"

CRUSHED STONE PAD NOTE:

CSP-1. BASED INFORMATION AND RECOMENDATIONS IN THE REFERENCED "SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS REPORT" PREPARED BY CME ASSOCIATES DATED FEBRUARY 7, 2024, AND TO IMPROVE CONSTRUCTABILITY, ALL FOOTING FOUNDATIONS SHALL BEAR ON A 12-INCH THICK CLEAN CRUSHED STONE PAD WRAPPED IN A GEOTEXTILE FABRIC (SUCH AS MIRAFI 140 N, OR APPROVED SIMILAR PRODUCT). THE CRUSHED STONE PAD SHALL EXTEND A MINIMUM OF 6-INCHES WIDER THAN THE FOOTING AND SHALL BE INSTALLED ON COMPACTED FIRM AND STABLE UNDISTURBED NATURAL MATERIAL OR NEWLY PLACED COMPACTED AND APPROVED IMPORTED SELECT GRANULAR STRUCTURAL FILL. THE STONE PAD MATERIAL SHALL MEET THE QUALITY AND GRADATION REQUIREMENTS OF "CRUSHER RUN LIMESTONE" OR 50/50 BLEND OF NYS DOT SIZE DESIGNATION NUMBER 1 AND 2 CRUSHED STONE (WITH 100% FRACTURED FACES) AND SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

REFER TO PROJECT SPECIFICATION SECTION 312000 – "BUILDING EARTH MOVING" FOR ADDITIONAL INFORMATION.

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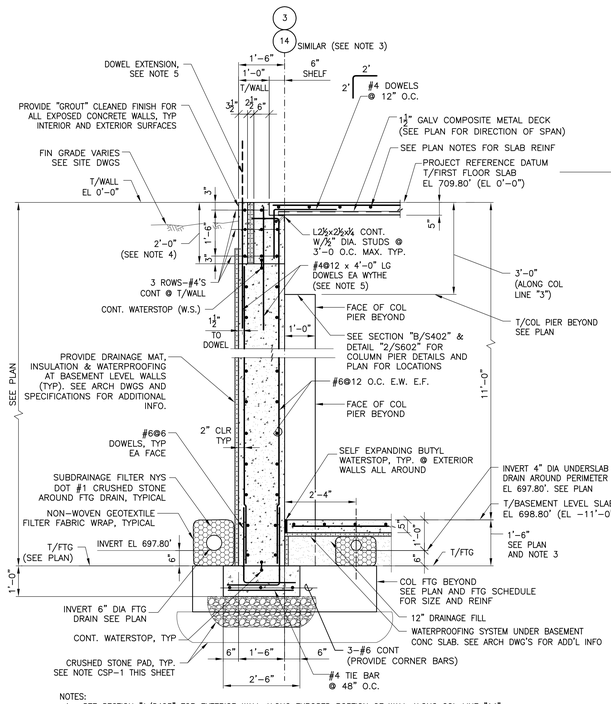
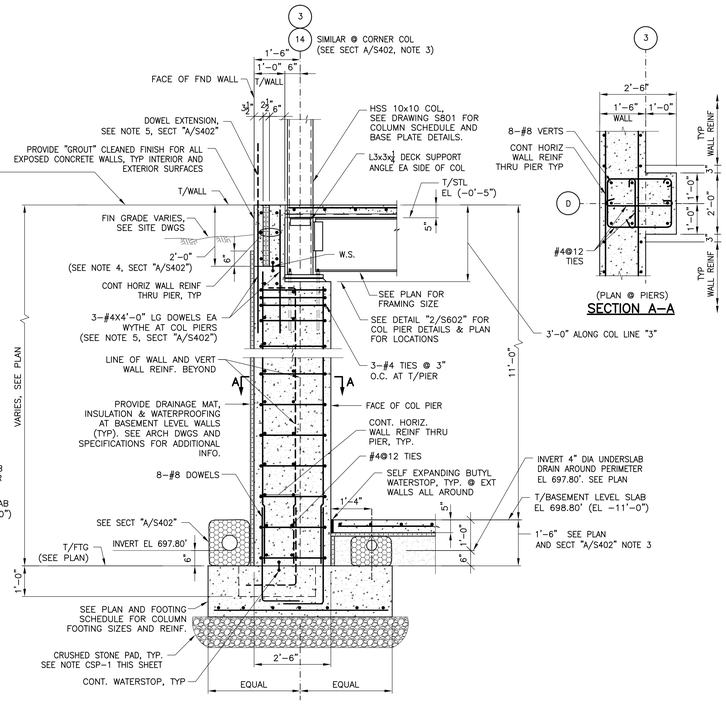
DRAWING TITLE
TYPICAL FOUNDATION DETAILS

DRAWING NO.
S401



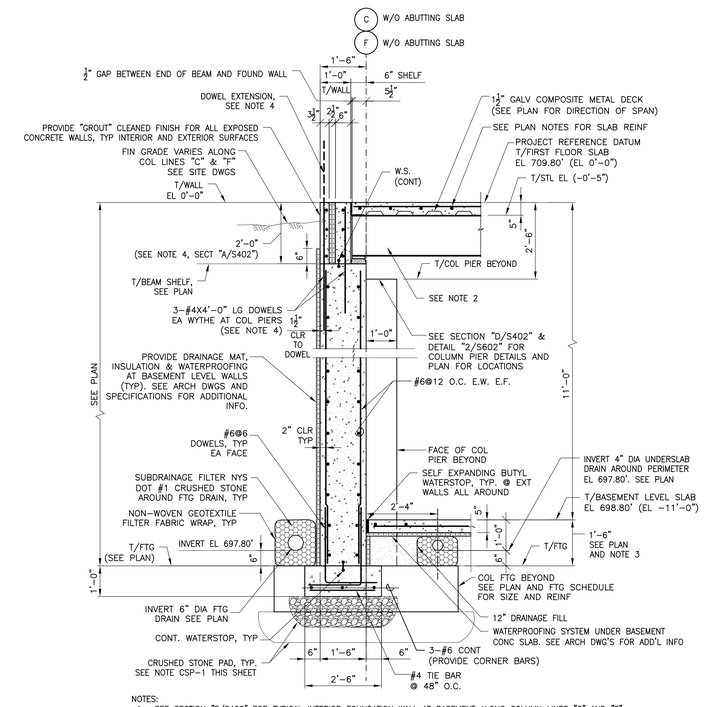
NOTES:
1. SEE SECTION "A/S403" FOR EXTERIOR WALL ALONG EXPOSED PORTION OF WALL ALONG COL LINE "14".
2. SEE DETAIL "1/S602" FOR TYPICAL BEAM BEARING ON SHELF AT EXTERIOR WALL.
3. TOP OF WALL AND COL FTG'S ARE TYPICALLY AT 1'-6" BELOW T/BASEMENT LEVEL SLAB UNLESS OTHERWISE NOTED ON BASEMENT FOUNDATION PLAN ON DWG S101. STEP FOOTINGS AS REQ'D.
4. THE UPPER 2'-0" OF THE FOUNDATION WALL IS A "THERMOMASS" CAST-IN PLACE CONCRETE FOUNDATION WALL SYSTEM WITH:
   a. STRUCTURALLY COMPOSITE WYTHE CONNECTORS SPACED AS REQ'D BY MANUFACTURER. (CONNECTORS NOT SHOWN)
   b. 2½" THICK EXTRUDED INSULATION. SEE ARCH DWG'S FOR ADD'L INFO.
5. EXTEND DOWELS IN EXTERIOR WYTHE OF "THERMOMASS" SYSTEM INTO GROUT FILLED CELLS OF SPLIT FACE CMU WALL ABOVE FIRST FLOOR SLAB LEVEL. COORD LOCATIONS OF CMU W/ ARCH DWG'S.

A S402 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT BASEMENT
1/2"=1'-0"



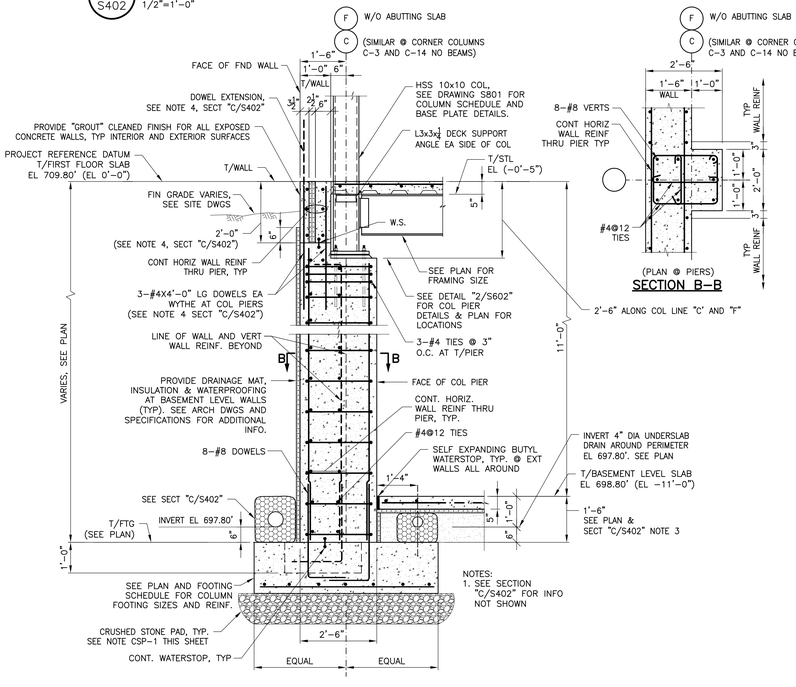
NOTES:
1. SEE SECTION "A/S402" FOR INFO NOT SHOWN.

B S402 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT BASEMENT COLUMNS
1/2"=1'-0"



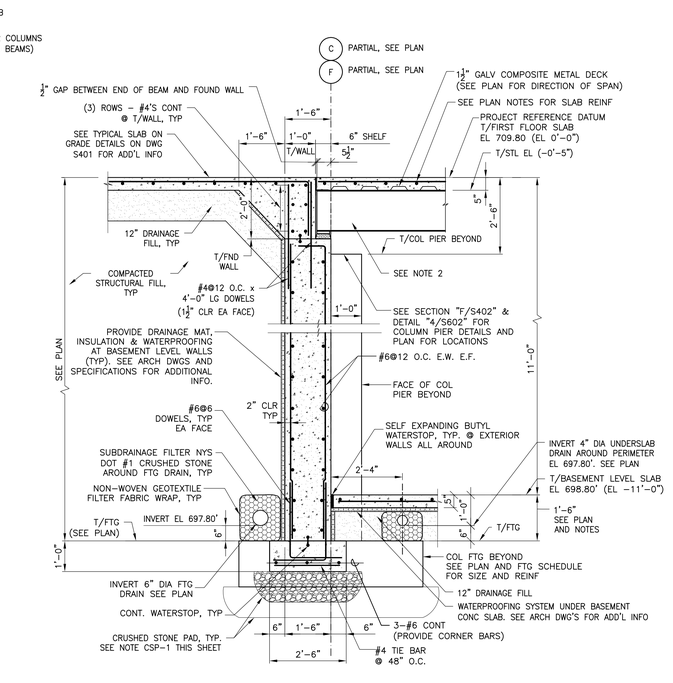
NOTES:
1. SEE SECTION "E/S402" FOR TYPICAL INTERIOR FOUNDATION WALL AT BASEMENT ALONG COLUMN LINES "C" AND "F" WHERE THE CONCRETE SLABS ON GROUND ABUT BASEMENT WALL.
2. SEE DETAIL "1/S602" FOR TYPICAL BEAM BEARING ON SHELF AT EXTERIOR WALL.
3. TOP OF WALL AND COL FTG'S ARE TYPICALLY AT 1'-6" BELOW T/BASEMENT LEVEL SLAB UNLESS OTHERWISE NOTED ON BASEMENT FOUNDATION PLAN ON DWG S101. STEP FOOTINGS AS REQ'D.
4. EXTEND DOWELS IN EXTERIOR WYTHE OF "THERMOMASS" SYSTEM INTO GROUT FILLED CELLS OF SPLIT FACE CMU WALL ABOVE FIRST FLOOR SLAB LEVEL. COORD LOCATIONS OF CMU W/ ARCH DWG'S.

C S402 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT BASEMENT WITH BEAM SHELF
1/2"=1'-0"



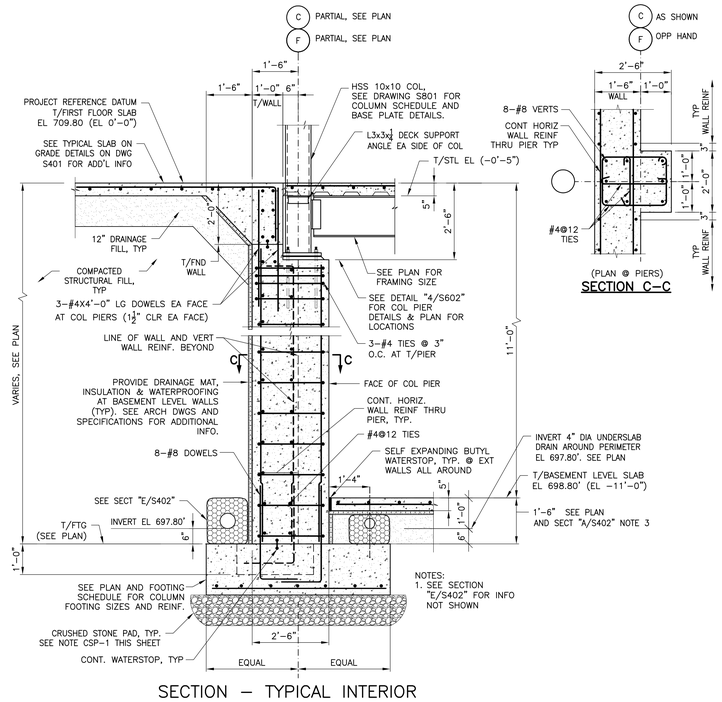
NOTES:
1. SEE SECTION "C/S402" FOR INFO NOT SHOWN

D S402 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT BASEMENT COLUMNS
1/2"=1'-0"



NOTES:
1. SEE SECTION "C/S402" FOR TYPICAL EXTERIOR FOUNDATION WALL AT BASEMENT WITH BEAM SHELF.
2. SEE DETAIL "3/S602" FOR TYPICAL BEAM BEARING ON SHELF AT EXTERIOR WALL.

E S402 SECTION – TYPICAL INTERIOR FOUNDATION WALL AT BASEMENT WHERE SLAB ABUTS WALL
1/2"=1'-0"



NOTES:
1. SEE SECTION "E/S402" FOR INFO NOT SHOWN

F S402 SECTION – TYPICAL INTERIOR FOUNDATION WALL COLUMN PIERS AT BASEMENT WHERE SLAB ABUTS WALL
1/2"=1'-0"

CRUSHED STONE PAD NOTE:

CSP-1. BASED INFORMATION AND RECOMENDATIONS IN THE REFERENCED "SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS REPORT" PREPARED BY CME ASSOCIATES DATED FEBRUARY 7, 2024, AND TO IMPROVE CONSTRUCTABILITY, ALL FOOTING FOUNDATIONS SHALL BEAR ON A 12-INCH THICK CLEAN CRUSHED STONE PAD WRAPPED IN A GEOTEXTILE FABRIC (SUCH AS MIRAFI 140 N, OR APPROVED SIMILAR PRODUCT). THE CRUSHED STONE PAD SHALL EXTEND A MINIMUM OF 6-INCHES WIDER THAN THE FOOTING AND SHALL BE INSTALLED ON COMPACTED FIRM AND STABLE UNDISTURBED NATURAL MATERIAL OR NEWLY PLACED COMPACTED AND APPROVED IMPORTED SELECT GRANULAR STRUCTURAL FILL. THE STONE PAD MATERIAL SHALL MEET THE QUALITY AND GRADATION REQUIREMENTS OF "CRUSHER RUN LIMESTONE" OR 50/50 BLEND OF NYS DOT SIZE DESIGNATION NUMBER 1 AND 2 CRUSHED STONE (WITH 100% FRACTURED FACES) AND SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

REFER TO PROJECT SPECIFICATION SECTION 312000 – "BUILDING EARTH MOVING" FOR ADDITIONAL INFORMATION.

MARCH ASSOCIATES
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IE Solutions
Interactive Engineering Solutions, PC
Interactive Engineering Solutions P.C.
Certificate of Authorization No. 0022543
Expiration Date: 11/30/2027
1721 Black River Blvd
Rome, NY 13440
315-339-7855
IES # 2023-017

Douglas R. Cahill, PE
NYS Professional Engineer No. 61573
Expiration Date 3/31/2026

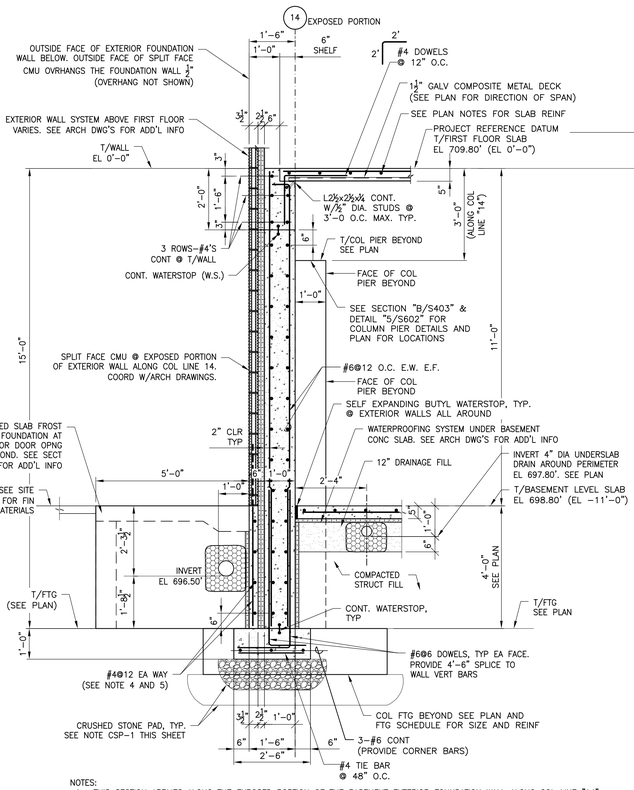
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 19, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRC
SCALE	AS NOTED
PROJECT NO.	23036

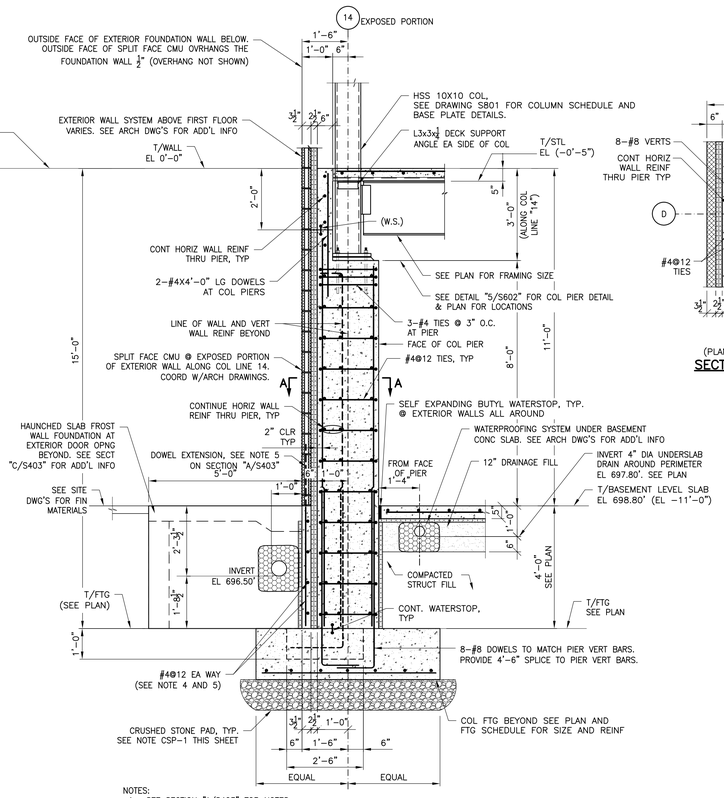
DRAWING TITLE
FOUNDATION SECTIONS & DETAILS

DRAWING NO.
S402



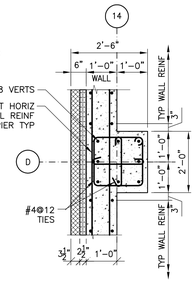
NOTES:
1. THIS SECTION APPLIES ALONG THE EXPOSED PORTION OF THE BASEMENT EXTERIOR FOUNDATION WALL ALONG COL LINE "14".
2. SEE SECTION "A/S402" FOR EXTERIOR WALL ALONG BURIED PORTION OF WALL ALONG COL LINE "14".
3. SEE SECTION "C/S403" FOR SECTION THROUGH DOOR OPENING IN WALL ALONG COL LINE "14".
4. THE LOWER 4'-0" OF THE FOUNDATION WALL IS A "THERMOMASS" CAST-IN PLACE CONCRETE FOUNDATION WALL SYSTEM WITH:
   a. STRUCTURALLY COMPOSITE WYTHE CONNECTORS SPACED AS REQ'D BY MANUFACTURER. (CONNECTORS NOT SHOWN)
   b. 2½" THICK EXTRUDED INSULATION. SEE ARCH DWG'S FOR ADD'L INFO.
5. EXTEND DOWELS IN EXTERIOR WYTHE OF "THERMOMASS" SYSTEM IN TO GROUT FILLED CELLS OF SPLIT FACE CMU WALL ABOVE FIRST FLOOR SLAB LEVEL. COORD LOCATIONS OF CMU W/ ARCH DWG'S.
6. PROVIDE "GROUT" CLEANED FINISH FOR ALL EXPOSED CONCRETE WALLS, TYP.

A S403 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT EXPOSED PORTION OF BASEMENT WALL ALONG COL LINE 14
1/2"=1'-0"

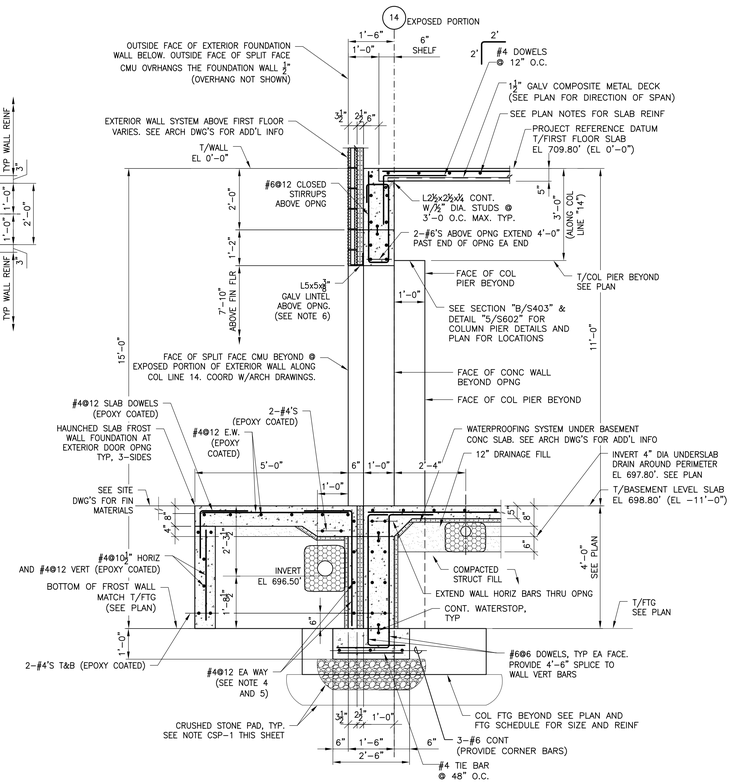


NOTES:
1. SEE SECTION "A/S403" FOR NOTES.

B S403 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT EXPOSED PORTION OF BASEMENT WALL ALONG COL LINE 14
1/2"=1'-0"

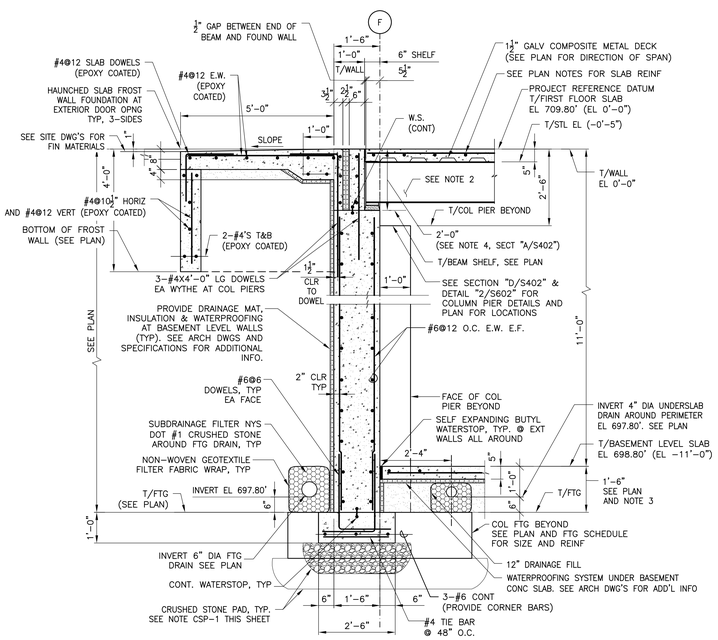


(PLAN @ PIERS)
SECTION A-A



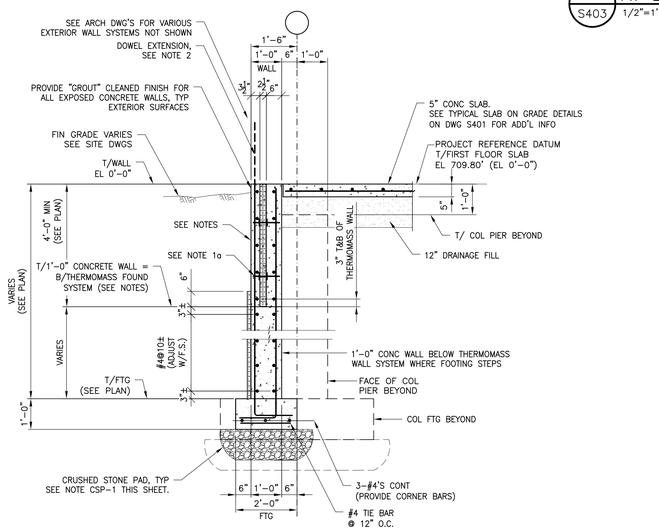
NOTES:
1. THIS SECTION APPLIES THRU DOOR OPNG ALONG THE EXPOSED PORTION OF THE BASEMENT EXTERIOR FOUNDATION WALL ALONG COL LINE "14".
2. SEE SECTION "A/S402" FOR EXTERIOR WALL ALONG BURIED PORTION OF WALL ALONG COL LINE "14".
3. SEE SECTION "A/S403" FOR SECTION EACH SIDE OF DOOR OPENING IN WALL ALONG COL LINE "14".
4. SEE SECTION "A/S403" FOR ADD'L NOTES AND INFORMATION NOT SHOWN.
5. PROVIDE INTERSECTING EPOXY COATED REBAR AT SIDE WALLS THAT ABUT MAIN FOUNDATION WALLS, TYP
6. PROVIDE GALV STEEL ANGLE ABOVE DOOR OPNG FOR SUPPORT OF EXTERIOR WALL. ATTACH TO CMU WALL WITH ⅝" DIA ADHESIVE ANCHORS EA END AND @ ⅓ POINTS OF OPNG WIDTH.

C S403 SECTION – TYPICAL EXTERIOR FOUNDATION WALL THRU DOOR OPENING AT EXPOSED PORTION OF BASEMENT WALL ALONG COL LINE 14
1/2"=1'-0"



NOTES:
1. SEE SECTION "C/S402" FOR TYPICAL EXTERIOR FOUNDATION WALL AT BASEMENT WITH BEAM SHELF EA SIDE OF DOOR OPNG.
2. SEE DETAIL "1/S602" FOR TYPICAL BEAM BEARING ON SHELF AT EXTERIOR WALL.
3. TOP OF WALL AND COL FTG'S ARE TYPICALLY AT 1'-6" BELOW T/BASEMENT LEVEL SLAB UNLESS OTHERWISE NOTED ON BASEMENT FOUNDATION PLAN ON DWG S101. STEP FOOTINGS AS REQ'D.

D S403 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT BASEMENT WITH BEAM SHELF AT DOOR OPNG
1/2"=1'-0"



NOTES:
1. THE UPPER 4'-0" OF THE EXTERIOR FOUNDATION WALL IS A "THERMOMASS CAST-IN-PLACE CONCRETE FOUNDATION WALL SYSTEM WITH:
   a. STRUCTURALLY COMPOSITE WYTHE CONNECTORS SPACED AS REQ'D BY MANUFACTURER (CONNECTORS SHOWN SCHEMATICALLY).
   b. 2½" THICK EXTRUDED INSULATION. SEE ARCH DWG'S FOR ADD'L INFO.
   c. REINFORCE EACH WYTHE OF "THERMOMASS" SYSTEM WITH #4'S @ 12" OC VERT BARS AND #4'S @ 10½" OC HORIZONTAL BARS. LOCATE THE TOP AND BOTTOM HORIZONTAL BARS AT 3" ABOVE TOP OF FOOTING AND 3" BELOW TOP OF WALL, RESPECTIVELY. PROVIDE MATCHING CORNER BARS PER TYPICAL DETAILS ON DWG S401.
2. EXTEND DOWELS IN EXTERIOR WYTHE OF "THERMOMASS" SYSTEM INTO GROUT FILLED CELLS OF SPLIT FACE CMU WALL ABOVE FIRST FLOOR SLAB LEVEL. COORD LOCATIONS OF CMU W/ ARCH DWG'S.
3. THE SECTION APPLIES ALONG COLUMN LINE "13" AND "B" WHERE THE WALL FOOTINGS STEP. SEE PLAN ON DWG S201 FOR FOOTING STEP LOCATIONS.
4. SEE SECTION "A/S404" FOR TYPICAL WALL SECTION AND SECTION "B/S404" FOR TYPICAL SECTION AT COLUMN PIER WHERE T/FTG IS AT (-4'-0")

E S403 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT FIRST FLOOR (NO BASEMENT) AT FOOTING STEPS
1/2"=1'-0"

CRUSHED STONE PAD NOTE:
CSP-1. BASED INFORMATION AND RECOMENDATIONS IN THE REFERENCED "SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS REPORT" PREPARED BY CME ASSOCIATES DATED FEBRUARY 7, 2024, AND TO IMPROVE CONSTRUCTABILITY, ALL FOOTING FOUNDATIONS SHALL BEAR ON A 12-INCH THICK CLEAN CRUSHED STONE PAD WRAPPED IN A GEOTEXTILE FABRIC (SUCH AS MIRAFI 140 N, OR APPROVED SIMILAR PRODUCT). THE CRUSHED STONE PAD SHALL EXTEND A MINIMUM OF 6-INCHES WIDER THAN THE FOOTING AND SHALL BE INSTALLED ON COMPACTED FIRM AND STABLE UNDISTURBED NATURAL MATERIAL OR NEWLY PLACED COMPACTED AND APPROVED IMPORTED SELECT GRANULAR STRUCTURAL FILL. THE STONE PAD MATERIAL SHALL MEET THE QUALITY AND GRADATION REQUIREMENTS OF "CRUSHER RUN LIMESTONE" OR 50/50 BLEND OF NYS DOT SIZE DESIGNATION NUMBER 1 AND 2 CRUSHED STONE (WITH 100% FRACTURED FACES) AND SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
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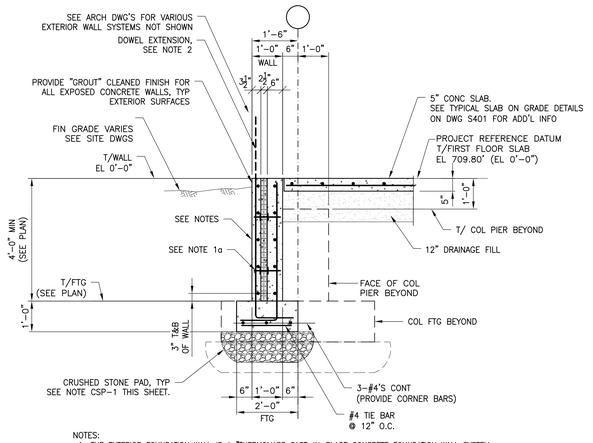
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRC
SCALE	AS NOTED
PROJECT NO.	25036

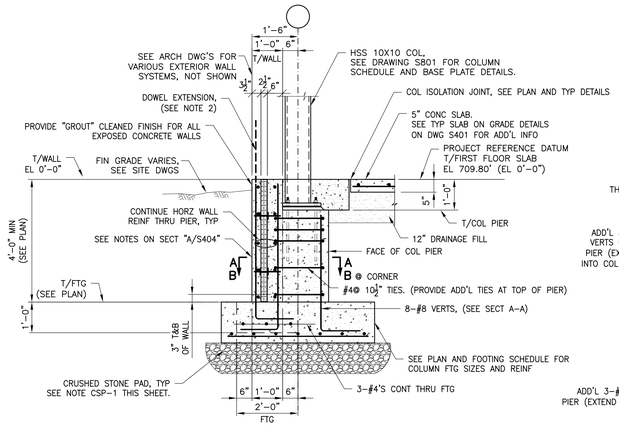
DRAWING TITLE
FOUNDATION SECTIONS & DETAILS

DRAWING NO.
S403



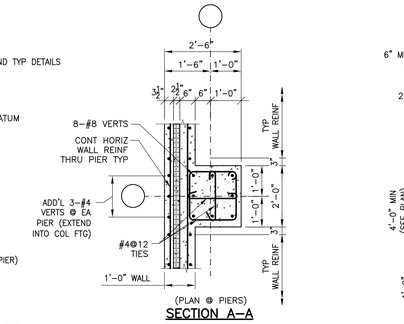
NOTES:
1. THE EXTERIOR FOUNDATION WALL IS A "THERMOMASS CAST-IN-PLACE CONCRETE FOUNDATION WALL SYSTEM WITH:
   a. STRUCTURALLY COMPOSITE WYTHE CONNECTORS SPACED AS REQ'D BY MANUFACTURER (CONNECTORS SHOWN SCHEMATICALLY).
   b. 2½" THICK EXTRUDED INSULATION. SEE ARCH DWG'S FOR ADD'L INFO.
   c. REINFORCE EACH WYTHE OF "THERMOMASS" SYSTEM WITH #4'S @ 12" OC VERT BARS AND #4'S @ 10½" OC HORIZONTAL BARS. LOCATE THE TOP AND BOTTOM HORIZONTAL BARS AT 3" ABOVE TOP OF FOOTING AND 3" BELOW TOP OF WALL, RESPECTIVELY. PROVIDE MATCHING CORNER BARS PER TYPICAL DETAILS ON DWG S401.
2. EXTEND DOWELS IN EXTERIOR WYTHE OF "THERMOMASS" SYSTEM INTO GROUT FILLED CELLS OF SPLIT FACE CMU WALL ABOVE FIRST FLOOR SLAB LEVEL. COORD LOCATIONS OF CMU W/ ARCH DWG'S.
3. SEE SECTION "E/S403" FOR WALL SECTION ALONG COLUMN LINES "13" AND "B" WHERE THE FOUNDATION WALL FTGS STEP. SEE PLAN ON DWG S201 FOR FTG STEP LOCATIONS.

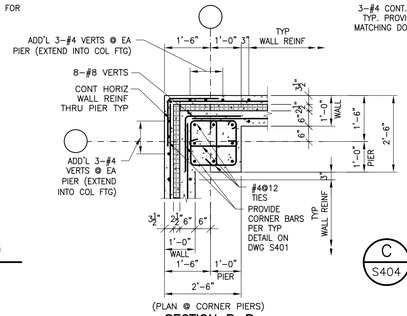
A / S404 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT FIRST FLOOR (NO BASEMENT)
1/2"=1'-0"

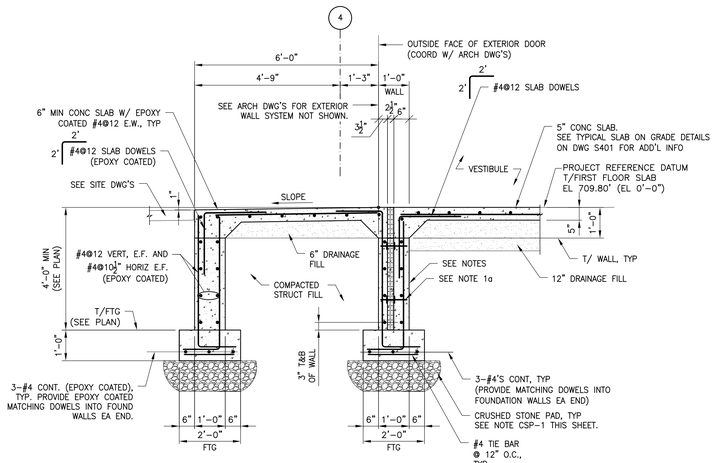


NOTES:
1. SEE SECTION "A/S404" FOR INFO NOT SHOWN.

B / S404 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT FIRST FLOOR COLUMNS (NO BASEMENT)
1/2"=1'-0"

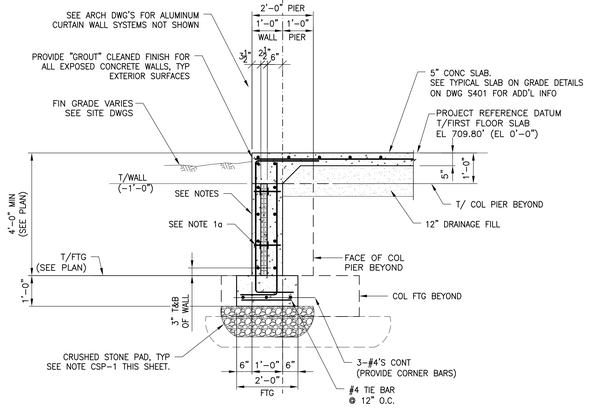






NOTES:
1. THE EXTERIOR FOUNDATION WALL UNDER THE EXTERIOR DOOR IS A "THERMOMASS" CAST-IN-PLACE CONCRETE FOUNDATION WALL SYSTEM WITH:
   a. STRUCTURALLY COMPOSITE WYTHE CONNECTORS SPACED AS REQ'D BY MANUFACTURER (CONNECTORS SHOWN SCHEMATICALLY).
   b. 2½" THICK EXTRUDED INSULATION. SEE ARCH DWG'S FOR ADD'L INFO.
   c. REINFORCE EACH WYTHE OF "THERMOMASS" SYSTEM WITH #4'S @ 12" OC VERT BARS AND #4'S @ 10½" OC HORIZONTAL BARS. LOCATE THE TOP AND BOTTOM HORIZONTAL BARS AT 3" ABOVE TOP OF FOOTING AND 3" BELOW TOP OF WALL, RESPECTIVELY. PROVIDE MATCHING DOWELS INTO FOUNDATION WALLS EA END.

C / S404 SECTION – TYPICAL EXTERIOR ENTRANCE FOUNDATION WALLS BETWEEN FIRST FLOOR WITHOUT BASEMENT AND BASEMENT
1/2"=1'-0"



NOTES:
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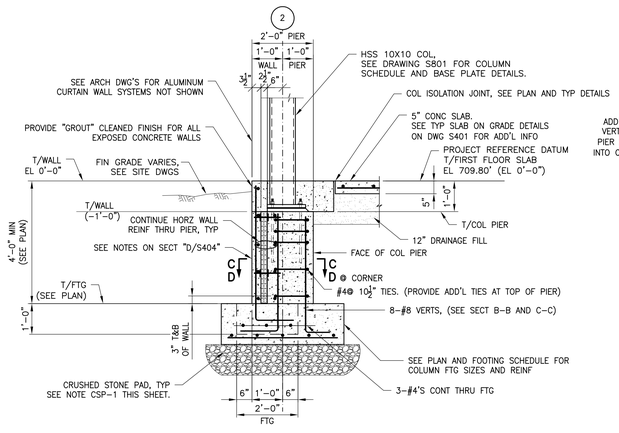
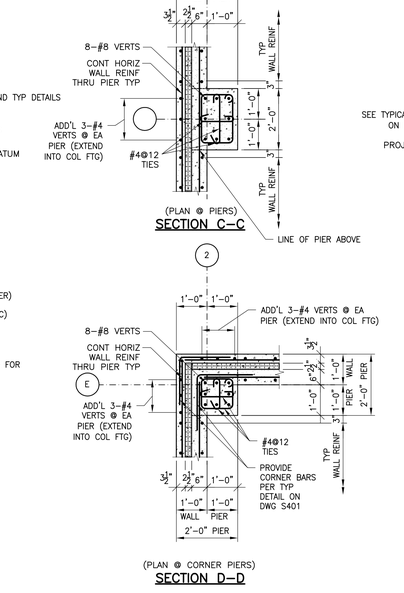
   c. REINFORCE EACH WYTHE OF "THERMOMASS" SYSTEM WITH #4'S @ 12" OC VERT BARS AND #4'S @ 10½" OC HORIZONTAL BARS. LOCATE THE TOP AND BOTTOM HORIZONTAL BARS AT 3" ABOVE TOP OF FOOTING AND 3" BELOW TOP OF WALL, RESPECTIVELY. PROVIDE MATCHING CORNER BARS PER TYPICAL DETAILS ON DWG S401.

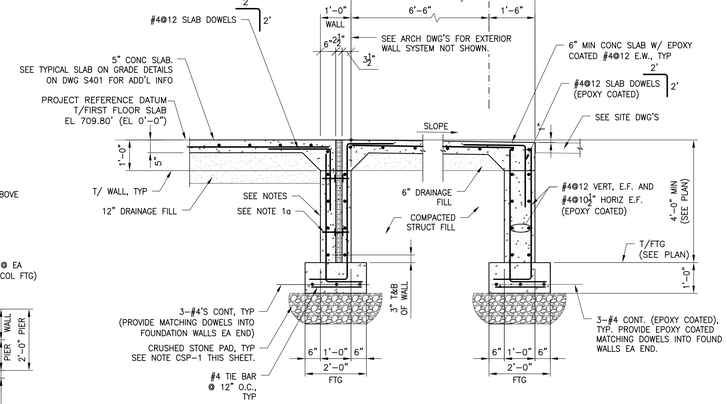
D / S404 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT FIRST FLOOR W/CURTAIN WALL SYSTEM (NO BASEMENT)
1/2"=1'-0"



NOTES:
1. SEE SECTION "D/S404" FOR INFO NOT SHOWN.

E / S404 SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT FIRST FLOOR COLUMNS W/ CURTAIN WALL SYSTEM (NO BASEMENT)
1/2"=1'-0"





NOTES:
1. THE EXTERIOR FOUNDATION WALL UNDER THE EXTERIOR DOOR IS A "THERMOMASS" CAST-IN-PLACE CONCRETE FOUNDATION WALL SYSTEM WITH:
   a. STRUCTURALLY COMPOSITE WYTHE CONNECTORS SPACED AS REQ'D BY MANUFACTURER (CONNECTORS SHOWN SCHEMATICALLY).
   b. 2½" THICK EXTRUDED INSULATION. SEE ARCH DWG'S FOR ADD'L INFO.
   c. REINFORCE EACH WYTHE OF "THERMOMASS" SYSTEM WITH #4'S @ 12" OC VERT BARS AND #4'S @ 10½" OC HORIZONTAL BARS. LOCATE THE TOP AND BOTTOM HORIZONTAL BARS AT 3" ABOVE TOP OF FOOTING AND 3" BELOW TOP OF WALL, RESPECTIVELY. PROVIDE MATCHING DOWELS INTO FOUNDATION WALLS EA END.

F / S404 SECTION – TYPICAL EXTERIOR ENTRANCE FOUNDATION WALLS BETWEEN FIRST FLOOR WITHOUT BASEMENT AND BASEMENT
1/2"=1'-0"

CRUSHED STONE PAD NOTE:

CSP-1. BASED INFORMATION AND RECOMENDATIONS IN THE REFERENCED "SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS REPORT" PREPARED BY CME ASSOCIATES DATED FEBRUARY 7, 2024, AND TO IMPROVE CONSTRUCTABILITY, ALL FOOTING FOUNDATIONS SHALL BEAR ON A 12-INCH THICK CLEAN CRUSHED STONE PAD WRAPPED IN A GEOTEXTILE FABRIC (SUCH AS MIRAFI 140 N, OR APPROVED SIMILAR PRODUCT). THE CRUSHED STONE PAD SHALL EXTEND A MINIMUM OF 6-INCHES WIDER THAN THE FOOTING AND SHALL BE INSTALLED ON COMPACTED FIRM AND STABLE UNDISTURBED NATURAL MATERIAL OR NEWLY PLACED COMPACTED AND APPROVED IMPORTED SELECT GRANULAR STRUCTURAL FILL. THE STONE PAD MATERIAL SHALL MEET THE QUALITY AND GRADATION REQUIREMENTS OF "CRUSHER RUN LIMESTONE" OR 50/50 BLEND OF NYS DOT SIZE DESIGNATION NUMBER 1 AND 2 CRUSHED STONE (WITH 100% FRACTURED FACES) AND SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

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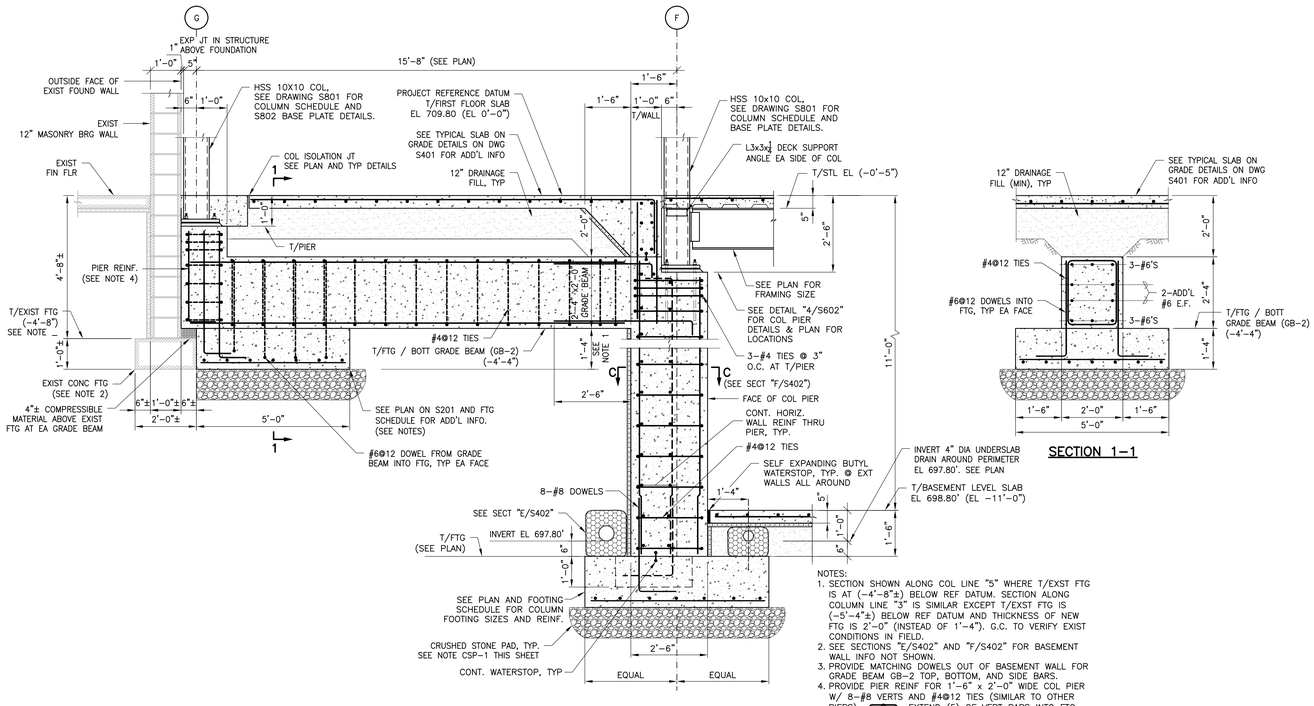
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRC
SCALE	AS NOTED
PROJECT NO.	23036

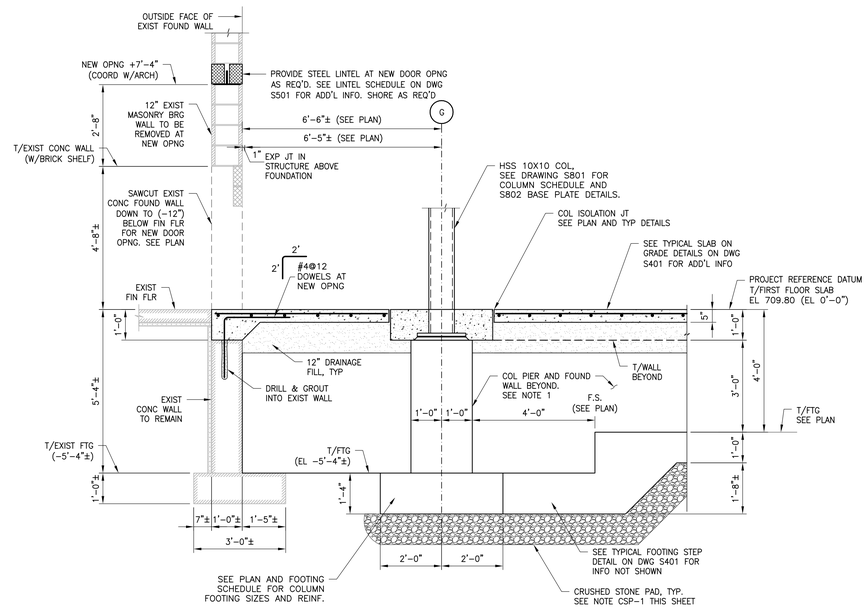
DRAWING TITLE
FOUNDATION SECTIONS & DETAILS

DRAWING NO.
S404



SECTION 1-1

NOTES:
1. SECTION SHOWN ALONG COL LINE "5" WHERE T/EXST FTG IS AT (-4'-8"±) BELOW REF DATUM. SECTION ALONG COLUMN LINE "3" IS SIMILAR EXCEPT T/EXST FTG IS (-5'-4"±) BELOW REF DATUM AND THICKNESS OF NEW FTG IS 2'-0" (INSTEAD OF 1'-4"). G.C. TO VERIFY EXIST CONDITIONS IN FIELD.
2. SEE SECTIONS "E/S402" AND "F/S402" FOR BASEMENT WALL INFO NOT SHOWN.
3. PROVIDE MATCHING DOWELS OUT OF BASEMENT WALL FOR GRADE BEAM GB-2 TOP, BOTTOM, AND SIDE BARS.
4. PROVIDE PIER REINF FOR 1'-6" x 2'-0" WIDE COL PIER W/ 8-#8 VERTS AND #4@12 TIES (SIMILAR TO OTHER PIERS) EXTEND (5) OF VERT BARS INTO FTG.

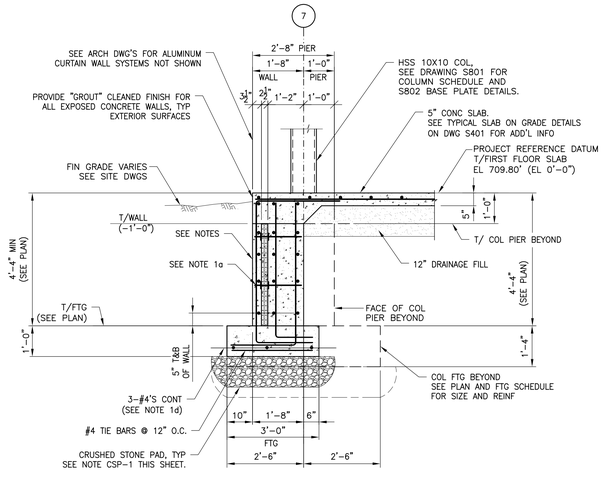


NOTES:
1. SEE SECTION "D/S404" AND "E/S404" ALONG COL LINE "2" FOR FOUNDATION WALL AND COLUMN PIER DIMENSIONS AND REINF INFO NOT SHOWN.

B S405 SECTION – THRU NEW DOOR OPNG
1/2"=1'-0"

SECTION – TYPICAL INTERIOR COLUMN PIERS AT GRADE BEAMS ALONG COLUMN LINES "3" AND "5" WHERE SLAB ABUTS INTERIOR BASEMENT WALL ALONG COL LINE "F"

A S405 1/2"=1'-0"



NOTES:
1. THE EXTERIOR FOUNDATION WALL IS A "THERMOMASS CAST-IN-PLACE CONCRETE FOUNDATION WALL SYSTEM WITH:
   a. STRUCTURALLY COMPOSITE WYTHE CONNECTORS SPACED AS REQ'D BY MANUFACTURER (CONNECTORS SHOWN SCHEMATICALLY).
   b. 2½" THICK EXTRUDED INSULATION. SEE ARCH DWG'S FOR ADD'L INFO.
   c. REINFORCE EACH WYTHE OF "THERMOMASS" SYSTEM WITH #4'S @ 12" OC VERT BARS AND #4'S @ 10½" OC HORIZONTAL BARS. LOCATE THE TOP AND BOTTOM HORIZONTAL BARS AT 5" ABOVE TOP OF FOOTING AND 5" BELOW TOP OF WALL, RESPECTIVELY. PROVIDE MATCHING CORNER BARS PER TYPICAL DETAILS ON DWG S401.
   d. DOWEL ALL HORIZONTAL WALL AND FTG BARS INTO BASEMENT WALL ALONG COLUMN LINE "F" AND INTO COL PIER AND FOOTING AT COLUMN "G-7" BEYOND.

SECTION – TYPICAL EXTERIOR FOUNDATION WALL AT FIRST FLOOR W/CURTAIN WALL SYSTEM (NO BASEMENT) ALONG COL LINE "7"

C S405 1/2"=1'-0"

CRUSHED STONE PAD NOTE:

CSP-1. BASED INFORMATION AND RECOMENDATIONS IN THE REFERENCED "SUBSURFACE EXPLORATION AND FOUNDATION RECOMMENDATIONS REPORT" PREPARED BY CME ASSOCIATES DATED FEBRUARY 7, 2024, AND TO IMPROVE CONSTRUCTABILITY, ALL FOOTING FOUNDATIONS SHALL BEAR ON A 12-INCH THICK CLEAN CRUSHED STONE PAD WRAPPED IN A GEOTEXTILE FABRIC (SUCH AS MIRAFI 140 N, OR APPROVED SIMILAR PRODUCT). THE CRUSHED STONE PAD SHALL EXTEND A MINIMUM OF 6-INCHES WIDER THAN THE FOOTING AND SHALL BE INSTALLED ON COMPACTED FIRM AND STABLE UNDISTURBED NATURAL MATERIAL OR NEWLY PLACED COMPACTED AND APPROVED IMPORTED SELECT GRANULAR STRUCTURAL FILL. THE STONE PAD MATERIAL SHALL MEET THE QUALITY AND GRADATION REQUIREMENTS OF "CRUSHER RUN LIMESTONE" OR 50/50 BLEND OF NYS DOT SIZE DESIGNATION NUMBER 1 AND 2 CRUSHED STONE (WITH 100% FRACTURED FACES) AND SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

REFER TO PROJECT SPECIFICATION SECTION 312000 – "BUILDING EARTH MOVING" FOR ADDITIONAL INFORMATION.

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Interactive Engineering Solutions P.C.
Certificate of Authorization No. 0022543
Expiration Date: 11/30/2027
1721 Black River Blvd
Rome, NY 13440
315-339-7855
IES # 2023-017

Douglas R. Cahill, PE
NYS Professional Engineer No. 61673
Expiration Date 9/31/2026

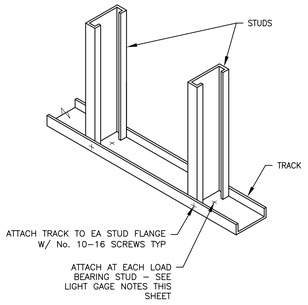
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

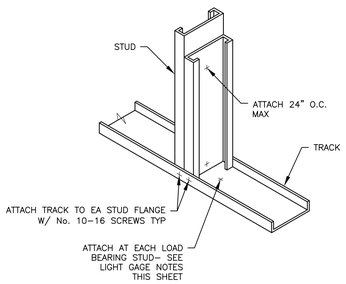
DATE	MARCH 19, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRC
SCALE	AS NOTED
PROJECT NO.	23036

DRAWING TITLE
FOUNDATION SECTIONS & DETAILS

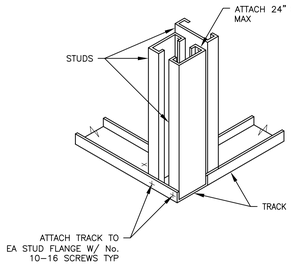
DRAWING NO.
S405



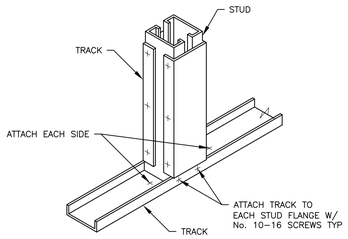
1 S501 STUDS IN PLACE
NTS



2 S501 DOUBLE STUDS
NTS

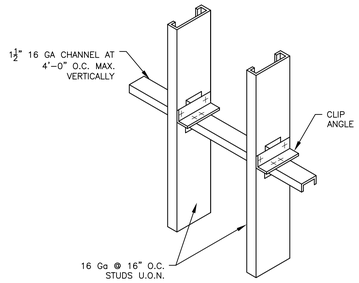


3 S501 THREE STUD CORNER
NTS



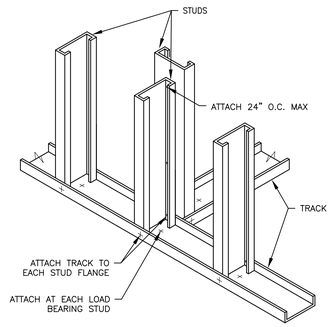
NOTE: PROVIDE POST BENEATH DOUBLE ROOF TRUSS LOCATIONS. FASTEN BUILT–UP MEMBER TOGETHER AT 12" O.C. MAX W/ No. 10–16 SCREWS TYP

4 S501 BUILT–UP POST
NTS

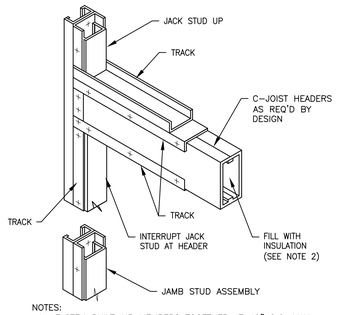


NOTE: BRIDGING TO BE INSTALLED PRIOR TO LOADING OF WALL MIN. 1"x1" CLIP ANGLE REQUIRED WITH STUD WIDTHS OVER 4".

5 S501 TYPICAL HORIZ BRIDGING
NTS

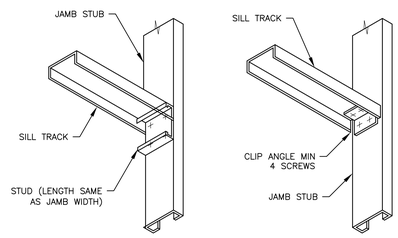


6 S501 PARTITION INTERSECTION
NTS



NOTES:
1. FASTEN BUILT–UP MEMBERS TOGETHER AT 12" O.C. MAX.
2. ALL BOX HEADERS SHALL HAVE INSULATION INSTALLED WITHIN BOX HEADER CAVITY PRIOR TO FABRICATION AND INSTALLATION. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

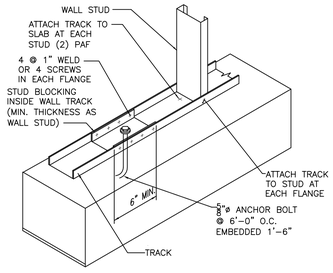
7 S501 BEARING HEADER
NTS



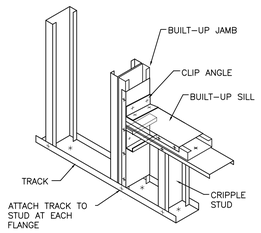
8 S501 SILL CONNECTIONS
NTS

COLD–FORMED METAL FRAMING (CFMF) GENERAL NOTES:

1. COLD–FORMED METAL FRAMING SHALL COMPLY WITH THE STANDARD AMERICAN IRON AND STEEL INSTITUTE (AISI).
2. THE INFORMATION SHOWN ON THE STRUCTURAL AND ARCHITECTURAL DRAWINGS IS INTENDED TO REPRESENT "TYPICAL DETAILS", INCLUDING THE MINIMUM MEMBERS SIZES AND GAUGE REQUIREMENTS FOR THE CFMF MEMBERS. THE MORE STRINGENT OF THE REQUIREMENTS FROM THE DELEGATED STRUCTURAL ENGINEERING PERFORMANCE DESIGN CALCULATIONS, THE ASSOCIATED ENGINEERED SHOP DRAWING DETAILS (INCLUDING, BUT NOT LIMITED TO HEADERS, BUILT–UP POSTS, SILLS, DOOR JAMBS, ETC) AND THE MINIMUM REQUIREMENTS SHOWN WITHIN THE CONTRACT DOCUMENTS SHALL APPLY.
3. PERFORMANCE REQUIREMENTS – NON–LOAD BEARING CFMF FRAMING
   a. DELEGATED DESIGN AND DESIGNER QUALIFICATIONS: ENGAGE A QUALIFIED PROFESSIONAL STRUCTURAL ENGINEER EXPERIENCED IN THE DESIGN OF THIS WORK AND WHO IS LICENSED IN THE STATE OF NEW YORK TO DESIGN THE FRAMING SYSTEM AND TO PREPARE SIGNED AND SEALED CALCULATIONS AND SHOP DRAWINGS FOR THE COLD–FORMED STEEL FRAMING. THE CONTRACTOR SHALL SUBMIT THESE DOCUMENTS FOR REVIEW.
   b. DESIGN AND PROVIDE COLD–FORMED METAL FRAMING CAPABLE OF WITHSTANDING DESIGN LOADS WITHIN LIMITS AND UNDER CONDITIONS INDICATED.
   c. REFER TO SPECIFICATION SECTION 05 40 00 "COLD–FORMED METAL FRAMING" FOR ADDITIONAL INFORMATION.
4. MANUFACTURER: MARINO–WARE, DIETRICH OR APPROVED EQUAL.
5. MATERIALS AND FINISH (MINIMUM):
   a. THE MINIMUM MEMBER SIZES AND GAUGE REQUIREMENTS FOR ALL METAL CFS EXTERIOR NON–LOAD BEARING WALL STUDS SHALL BE AS FOLLOWS. REFER TO ARCH DWGS FOR LOCATIONS OF EACH:
      a.1. 6" COLD FORMED METAL FRAMING (CFMF), 16 GA W/ 2" FLANGE, FY = 50 KSI, SUCH AS MARINO–WARE METAL FRAMING 6J16 (600S200–54) FOR 6" STUDS, UNLESS OTHERWISE NOTED, SPECIFIED OR REQUIRED BY DELEGATED STRUCTURAL ENGINEERING PERFORMANCE DESIGN.
   b. PROVIDE GALVANIZED FINISH TO ALL METAL FRAMING COMPONENTS COMPLYING WITH ASTM A525 FOR MINIMUM G90 COATING. USE GALVANIZED REPAIR TOUCH–UP PAINT IN THE FIELD. INSTALL UN–CUT ENDS OF STUDS IN BOTTOM TRACK.
6. THE SPECIFIC USE OF WELDING, SCREWS, AND / OR PAF'S ARE AT THE CONTRACTOR'S OPTION AND SHALL BE AS REQUIRED BY THE DELEGATED STRUCTURAL ENGINEERING PERFORMANCE DESIGN CALCULATIONS FOR THE CFS FRAMING SYSTEM AND THE ASSOCIATED ENGINEERED SHOP DRAWING DETAILS AND THEIR CONNECTIONS.
   a. IF WELDING IS TO BE USED, WELDING TO BE PERFORMED BY AWS CERTIFIED WELDER. USE 0.035 FLUX–CORE WIRE USING A MIG WELDER OR AN EQUIVALENT SUBSTITUTE.
   b. IF WELDING IS TO BE USED, WELD SIZE IS EQUAL TO OR GREATER THAN THE THICKNESS OF THE THINNEST CONNECTED MEMBER, UNLESS OTHERWISE NOTED OR REQUIRED BY DESIGN.



9 S501 WALL ATTACH. TO TOP OF FOUNDATION WALL
NTS



NOTE: FASTEN BUILT–UP MEMBERS TOGETHER AT 12" O.C. MAX.

10 S501 OPNG BUILT–UP SILL
NTS

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315-339-7855
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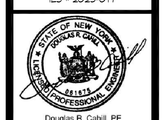


Douglas R. Cahill, PE
NYS Professional Engineer No. 61675
Expiration Date 3/31/2026

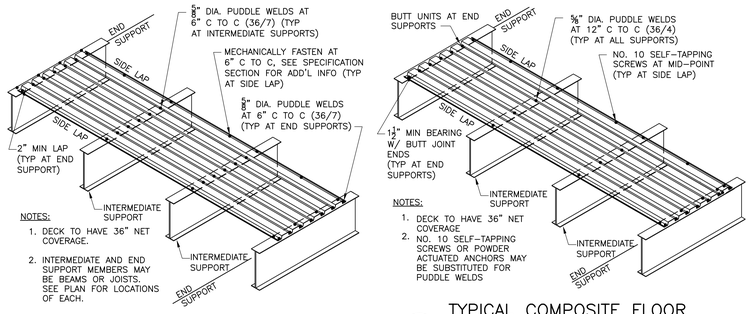
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRG
SCALE	AS NOTED
PROJECT NO.	23036

DRAWING TITLE
CFMF DETAILS AND NOTES

DRAWING NO.
S501

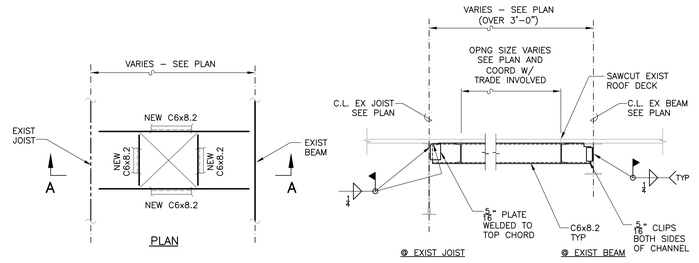


NOTES:
1. DECK TO HAVE 36" NET COVERAGE.
2. INTERMEDIATE AND END SUPPORT MEMBERS MAY BE BEAMS OR JOISTS. SEE PLAN FOR LOCATIONS OF EACH.

1 S601 TYPICAL ROOF DECK ATTACHMENT
NTS

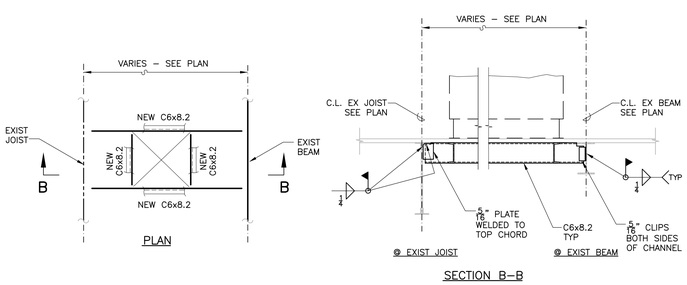
NOTES:
1. DECK TO HAVE 36" NET COVERAGE
2. NO. 10 SELF-TAPPING SCREWS OR POWDER ACTUATED ANCHORS MAY BE SUBSTITUTED FOR PUDDLE WELDS

1A S601 TYPICAL COMPOSITE FLOOR DECK ATTACHMENT
NTS



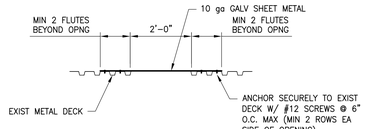
2 S601 TYPICAL NEW FRAME FOR OPENING IN EXIST ROOF DECK
NTS

NOTE:
1. IF EDGE OF NEW OPENING IS LOCATED LESS THAN 6" FROM EDGE OF JOIST TOP CHORD OR BEAM TOP FLANGE, OMIT CHANNEL ON THIS SIDE OF OPENING.
2. G.C. SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ANY REQUIRED ROOF OPENINGS AND SHALL FIELD VERIFY EXIST ROOF FRAMING AND PROVIDE NEW OPENING FRAME.

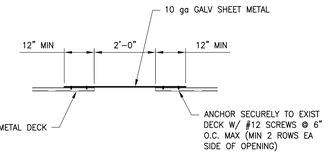


3 S601 TYPICAL NEW FRAME FOR MECH UNIT ON EXIST ROOF DECK
NTS

NOTE:
1. IF EDGE OF NEW UNIT IS LOCATED LESS THAN 6" FROM EDGE OF JOIST TOP CHORD OR BEAM TOP FLANGE, OMIT CHANNEL ON THIS SIDE OF UNIT
2. G.C. SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ANY REQUIRED ROOF UNITS AND SHALL FIELD VERIFY EXIST ROOF FRAMING AND PROVIDE NEW FRAME.



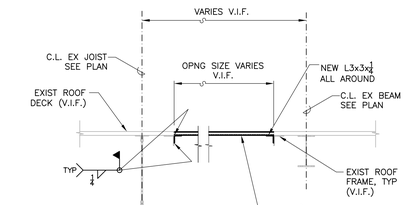
TRANSVERSE SECTION



LONGITUDINAL SECTION

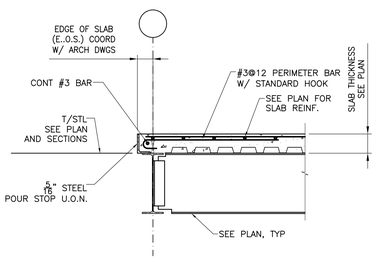
NOTES:
1. REMOVE EXIST ABANDONED CURBS PRIOR TO INSTALLING CLOSURE PLATES.
2. DETAIL IS FOR EXISTING ROOF OPENING 2'–0" WIDE OR LESS IN THE LONG DIRECTION OF THE EXIST OPENING. SEE DETAIL "5/S601" FOR INFILL OF LARGER ROOF OPENING.
3. G.C. IS RESPONSIBLE FOR INFILLING ALL EXISTING ABANDONED OPENINGS REGARDLESS IF SHOWN ON STRUCTURAL DRAWINGS OR NOT. G.C. IS RESPONSIBLE FOR REVIEWING ALL CONTRACT DOCUMENTS TO DETERMINE ALL NECESSARY ROOF OR FLOOR OPENING INFILLS.
4. DETAIL MAY ALSO BE USED AT NON FLUTED ROOF DECK. EXTENT PLATE MIN 12" BEYOND EXISTING OPENING ALL AROUND.

4 S601 TYPICAL ROOF DECK CLOSURE PLATE
NTS

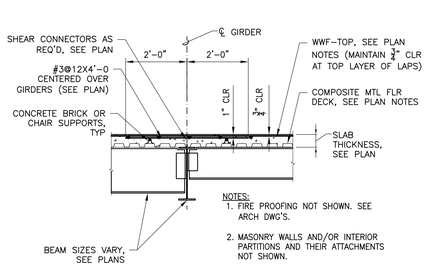


NOTES:
1. ATTACH NEW DECK TO NEW ANGLES OR CHANNELS WITH ⅝" PUDDLE WELDS AT 6" O.C. ALL AROUND.
2. G.C. IS RESPONSIBLE FOR INFILLING ALL EXISTING ABANDONED OPENINGS REGARDLESS IF SHOWN ON STRUCTURAL DRAWINGS OR NOT. G.C. IS RESPONSIBLE FOR REVIEWING ALL CONTRACT DOCUMENTS TO DETERMINE ALL NECESSARY ROOF OR FLOOR OPENING INFILLS.

5 S601 TYPICAL ROOF DECK INFILL
NTS

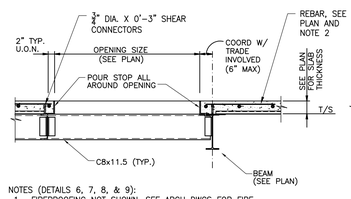


6 S601 TYPICAL SLAB REINFORCING AT PERIMETER
3/4"=1'–0"



NOTES:
1. FIRE PROOFING NOT SHOWN. SEE ARCH DWG'S.
2. MASONRY WALLS AND/OR INTERIOR PARTITIONS AND THEIR ATTACHMENTS NOT SHOWN.

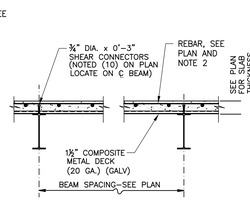
7 S601 TYPICAL SLAB REINFORCING OVER GIRDERS
NTS



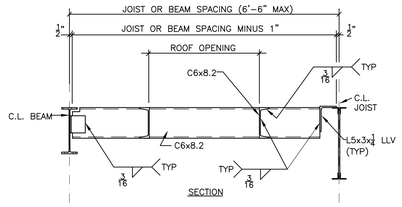
NOTES (DETAILS 6, 7, 8, & 9):
1. FIREPROOFING NOT SHOWN, SEE ARCH DWGS FOR FIRE PROOFING INFO IF REQUIRED.

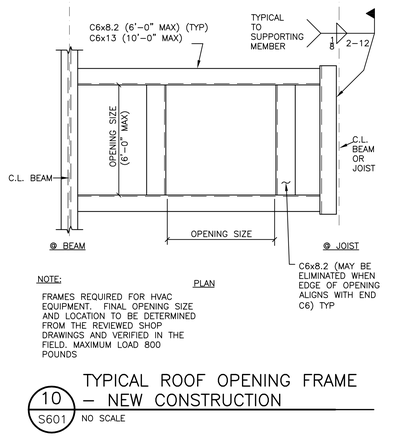
BAR CLEARANCE: ¾" CLR TO TOP SUPPORTED ON BAR SUPPORTS PER SPEC 033000 2.04.D+3.05.C.

8 S601 TYPICAL CONCRETE FLOOR OPENING FRAME
NTS



9 S601 TYPICAL SECTION AT COMPOSITE BEAM
NTS

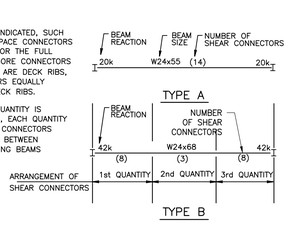




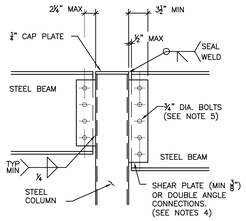
NOTE:
FRAMES REQUIRED FOR HVAC EQUIPMENT. FINAL OPENING SIZE AND LOCATION TO BE DETERMINED FROM THE REVIEWED SHOP DRAWINGS AND VERIFIED IN THE FIELD. MAXIMUM LOAD 800 POUNDS

10 S601 TYPICAL ROOF OPENING FRAME – NEW CONSTRUCTION
NO SCALE

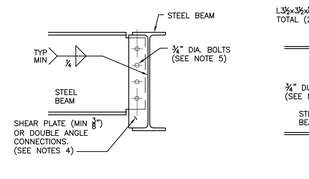
SHEAR CONNECTOR NOTES:
1) WHERE ONE QUANTITY IS INDICATED, SUCH AS INDICATED IN TYPE A, SPACE CONNECTORS UNIFORMLY IN DECK RIBS FOR THE FULL LENGTH OF BEAM. WHERE MORE CONNECTORS ARE REQUIRED THAN THERE ARE DECK RIBS, INSTALL EXCESS CONNECTORS EQUALLY SPACED DOUBLED UP IN DECK RIBS.
2) WHERE MORE THAN ONE QUANTITY IS INDICATED SUCH AS TYPE B, EACH QUANTITY INDICATES THE NUMBER OF CONNECTORS REQUIRED EQUALLY SPACED BETWEEN CENTERLINES OF INTERSECTING BEAMS



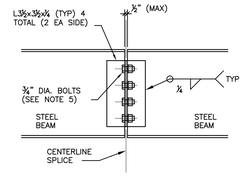
11 S601 COMPOSITE BEAM NOMENCLATURE
NTS



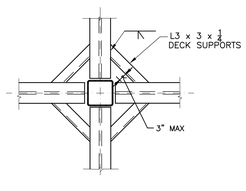
A. SIMPLE BEAM (COLUMN)



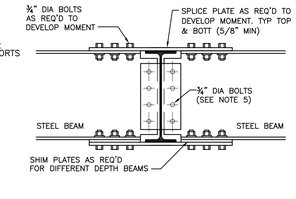
B. SIMPLE BEAM (MID BEAM)



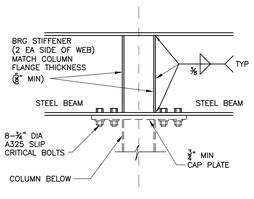
C. TYPICAL BEAM SPLICE



D. TYPICAL DECK SUPPORT AT COL



E. BEAM MOMENT SPLICE



F. CANTILEVER BEAMS

NOTES:
1. INTENT OF THESE DETAILS IS TO PROVIDE TYPICAL FRAMING INFORMATION FOR CONDITIONS NOT SPECIFICALLY COVERED BY SPECIFIC SECTIONS OR DETAILS ELSEWHERE. (SOME DETAILS MAY NOT APPLY).
2. EXTEND DEEPER BEAM OVER TOP OF COLUMNS AND FRAME OTHER MEMBERS INTO IT UNLESS OTHERWISE NOTED.
3. AT CORNERS OR END WALLS USE 2 BOLTS AND EXTEND BEAM AND CAP PLATE ½" BEYOND EXTERIOR FACE OF COLUMN.
4. SHEAR PLATES WELDED TO WEB OF BEAM TO BE ⅜" THICK FOR W27 BEAMS AND LARGER.
5. DESIGN CONNECTIONS IN ACCORDANCE WITH AISC FOR REACTIONS INDICATED ON PLANS UNLESS OTHERWISE NOTED. WHERE REACTIONS ARE NOT SHOWN, THE CONNECTION SHALL BE DESIGNED FOR 50% OF THE TOTAL ALLOWABLE UNIFORM LOAD ON THE SPAN PER THE LATEST EDITION OF THE AISC MANUAL OR 10 kips, WHICHEVER IS LARGER, U.O.N.

12 S601 TYPICAL STEEL FRAMING DETAILS
NTS

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Douglas R. Cahill, PE
NYS Professional Engineer No. 61675
Expiration Date 3/31/2026

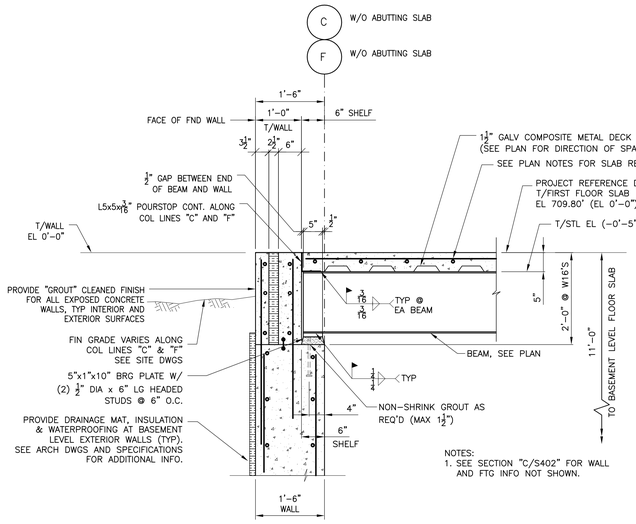
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRG
SCALE	AS NOTED
PROJECT NO.	23036

DRAWING TITLE
TYPICAL FRAMING DETAILS

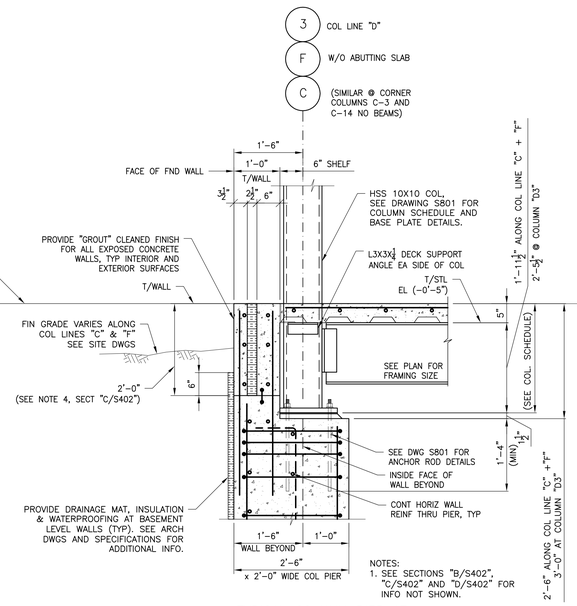
DRAWING NO.
S601



NOTES:
1. SEE SECTION "C/S402" FOR WALL AND FTG INFO NOT SHOWN.

TYPICAL BEAM BEARING ON SHELF AT BASEMENT EXTERIOR WALL

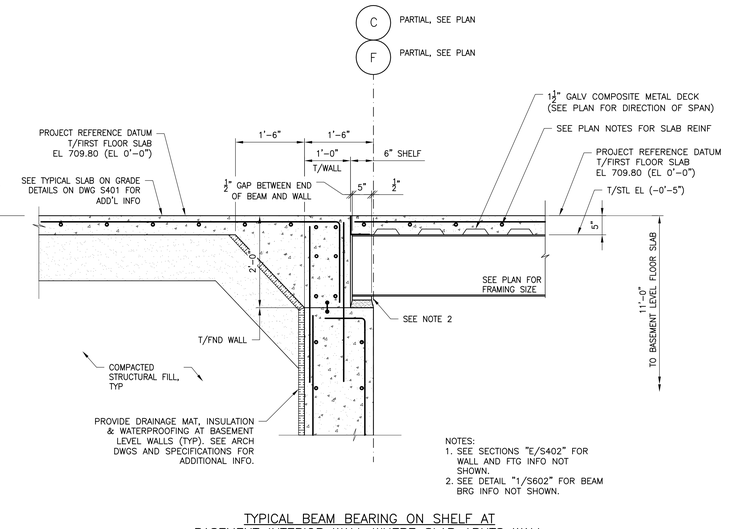
1 S602 DETAIL 3/4"=1'-0"



NOTES:
1. SEE SECTIONS "B/S402", "C/S402" AND "D/S402" FOR INFO NOT SHOWN.

TYPICAL COLUMN PIER AT BASEMENT EXTERIOR WALL

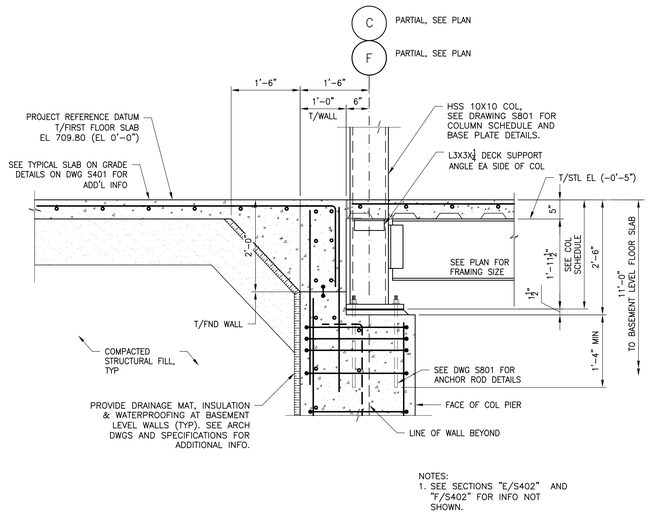
2 S602 DETAIL 3/4"=1'-0"



NOTES:
1. SEE SECTIONS "E/S402" FOR WALL AND FTG INFO NOT SHOWN.
2. SEE DETAIL "1/S602" FOR BEAM BRG INFO NOT SHOWN.

TYPICAL BEAM BEARING ON SHELF AT BASEMENT INTERIOR WALL WHERE SLAB ABUTS WALL

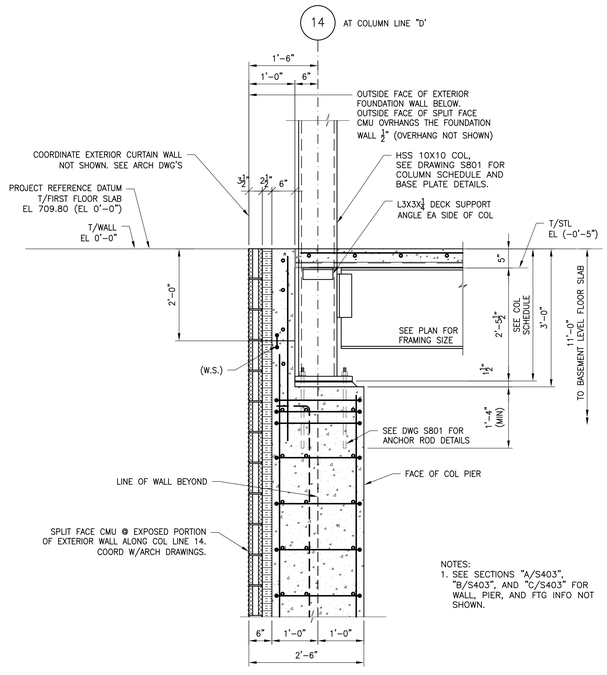
3 S602 DETAIL 3/4"=1'-0"



NOTES:
1. SEE SECTIONS "E/S402" AND "F/S402" FOR INFO NOT SHOWN.

TYPICAL COLUMN PIER AT BASEMENT INTERIOR FOUNDATION WALL WHERE SLAB ABUTS WALL

4 S602 DETAIL 3/4"=1'-0"



NOTES:
1. SEE SECTIONS "A/S403", "B/S403", AND "C/S403" FOR WALL, PIER, AND FTG INFO NOT SHOWN.

COLUMN PIER AT EXPOSED PORTION OF BASEMENT EXTERIOR FOUNDATION WALL (COLUMN D-14)

5 S602 DETAIL 3/4"=1'-0"

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121 SECOND STREET, ORISKANY, NY 13424

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DRAWN BY	TJP / KRG
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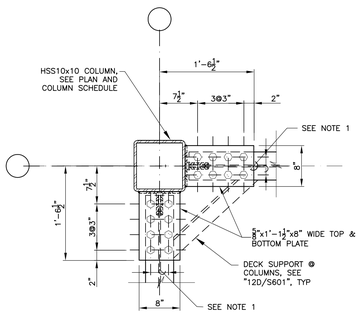
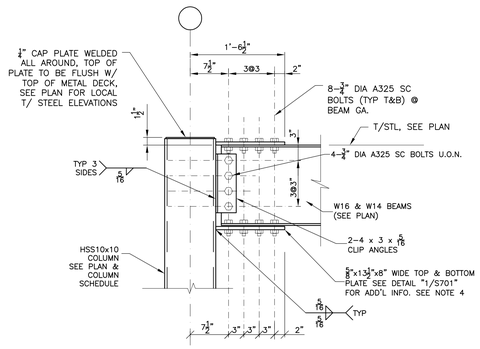
DRAWING TITLE
FIRST FLOOR FRAMING SECTIONS

DRAWING NO.
S602



NOTES:
1. COORDINATE BOLT HOLE GAUGE WITH MEMBER SIZES AS SHOWN ON PLAN.
2. DETAIL SHOWS FRAMING MEMBERS ON ONE SIDE OF COLUMN CENTERLINE. HOWEVER, MOMENT CONNECTIONS SHOWN APPLY TO ALL BEAMS NOTED ON THE PLAN TO HAVE A MOMENT CONNECTION THAT FRAMES INTO COLUMNS. BOLTING, WELDING AND PLATE SIZES SHOWN ARE THE MINIMUM CONNECTION REQUIREMENTS.

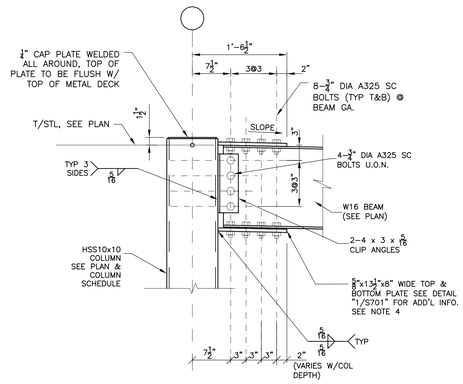
1 S603 MOMENT CONNECTION DETAIL – TOP AND BOTTOM FLANGE PLATES
1"=1'-0"



NOTES:
1. METAL DECK NOT SHOWN FOR CLARITY.
2. DETAIL SHOWS FRAMING MEMBER ON ONE SIDE OF COLUMN CENTERLINE. HOWEVER, MOMENT CONNECTION SHOWN APPLIES TO ALL BEAMS FRAMING INTO COLUMN FLANGES AT CONTINUOUS COLUMNS. BOLTING, WELDING AND PLATE SIZES SHOWN ARE THE MINIMUM CONNECTION REQUIREMENTS.
3. TO MEET THE CONTRACTOR'S SHOP STANDARDS, ALTERNATE CONNECTION DETAILS MAY BE SUBMITTED BY THE CONTRACTOR TO THE A/E FOR THEIR REVIEW AND CONSIDERATION PRIOR TO PREPARATION OF FABRICATION DRAWINGS. IF APPROVED, SUBSTITUTIONS SHALL BE IMPLEMENTED AT NO ADDITIONAL COST TO THE OWNER OR A/E.
4. FINGER SHIMS SHALL BE PROVIDED FOR ALL BOTTOM PLANGE PLATES TO ALLOW FOR SNUG FIT AND TO AVOID BENDING OF BOTTOM FLANGE PLATE DURING TIGHTENING OF BOLTS.

TYPICAL MOMENT CONNECTION AT ROOF
W16 & W14 BEAMS – NO SLOPE

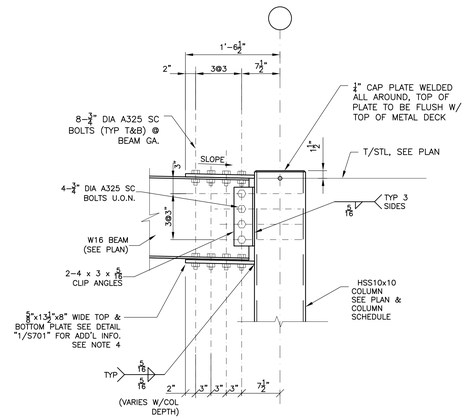
2 S603 MOMENT CONNECTION DETAIL
1"=1'-0"
0 1'



NOTE:
SEE NOTES 1 THRU 4 ON DETAIL "2/S603" FOR INFO NOT SHOWN.

TYPICAL MOMENT CONNECTION AT ROOF
W16 – TOP OF SLOPE

3 S603 MOMENT CONNECTION DETAIL
1"=1'-0"
0 1'



NOTE:
SEE NOTES 1 THRU 4 ON DETAIL "2/S603" FOR INFO NOT SHOWN.

TYPICAL MOMENT CONNECTION AT ROOF
W16 – BOTTOM OF SLOPE

4 S603 MOMENT CONNECTION DETAIL
1"=1'-0"
0 1'

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CORNELL COOPERATIVE EXTENSION
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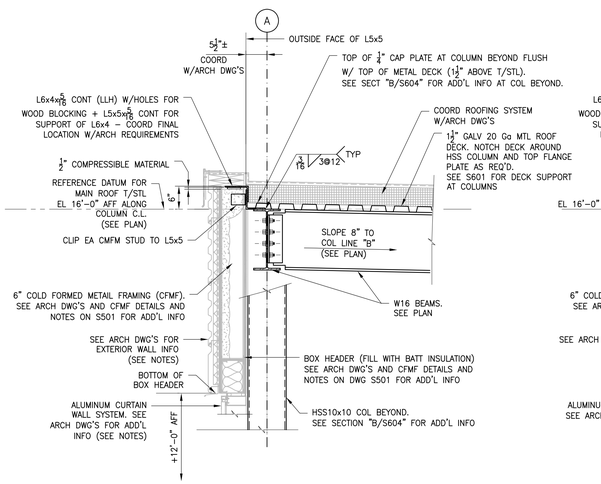
SCALE	AS NOTED
PROJECT NO.	25036

DRAWING TITLE
MOMENT CONNECTION DETAILS

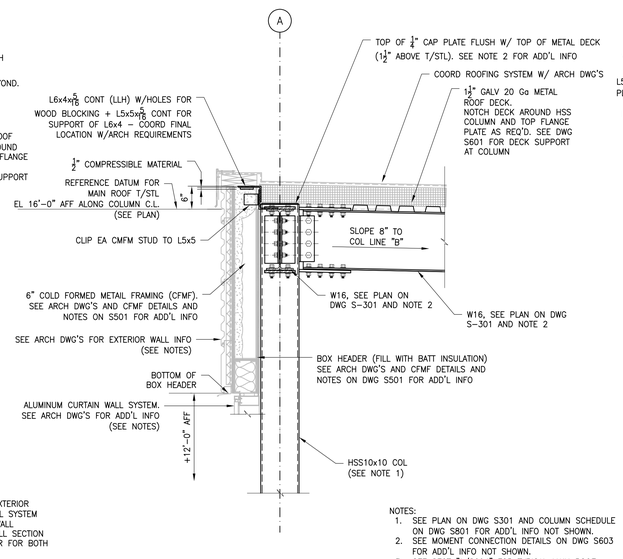
DRAWING NO.
S603



NOTES:
1. SECTION SHOWN THRU PORTION OF EXTERIOR WALL W/PARTIAL HEIGHT CURTAIN WALL SYSTEM AND CFMF BOX HEADER. SEE ARCH WALL SECTIONS FOR FULL HEIGHT CFMF WALL SECTION INFO. SECTION AT ROOF STEEL SIMILAR FOR BOTH CONDITIONS.

TYPICAL MAIN ROOF EXTERIOR WALL BETWEEN COLUMNS AT HIGH POINT

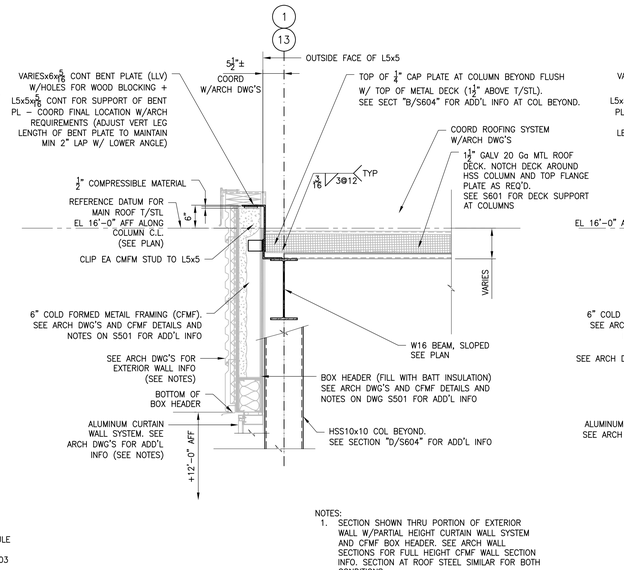
A/S604 SECTION 3/4"=1'-0"



NOTES:
1. SEE PLAN ON DWG S301 AND COLUMN SCHEDULE ON DWG S801 FOR ADD'L INFO NOT SHOWN.
2. SEE MOMENT CONNECTION DETAILS ON DWG S603 FOR ADD'L INFO NOT SHOWN.
3. SEE SECT "A/S604" FOR TYPICAL MAIN ROOF EXTERIOR WALL BETWEEN COLUMNS NOT SHOWN.

TYPICAL MAIN ROOF EXTERIOR WALL AT COLUMNS AT HIGH POINT

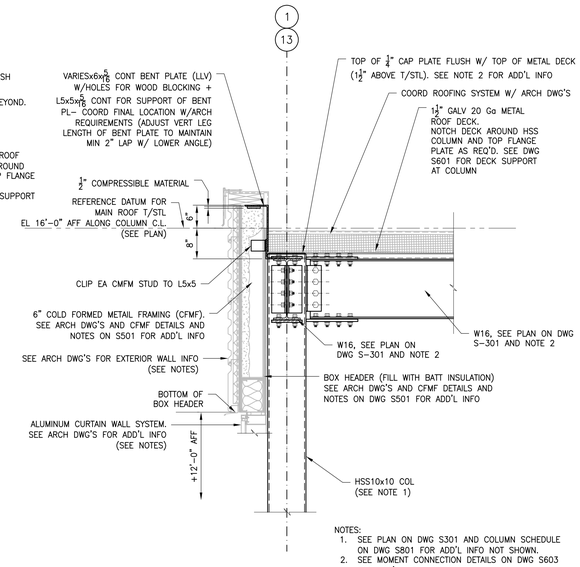
B/S604 SECTION 3/4"=1'-0"



NOTES:
1. SECTION SHOWN THRU PORTION OF EXTERIOR WALL W/PARTIAL HEIGHT CURTAIN WALL SYSTEM AND CFMF BOX HEADER. SEE ARCH WALL SECTIONS FOR FULL HEIGHT CFMF WALL SECTION INFO. SECTION AT ROOF STEEL SIMILAR FOR BOTH CONDITIONS.

TYPICAL MAIN ROOF EXTERIOR WALL BETWEEN COLUMNS W/SLOPING EXTERIOR BEAMS

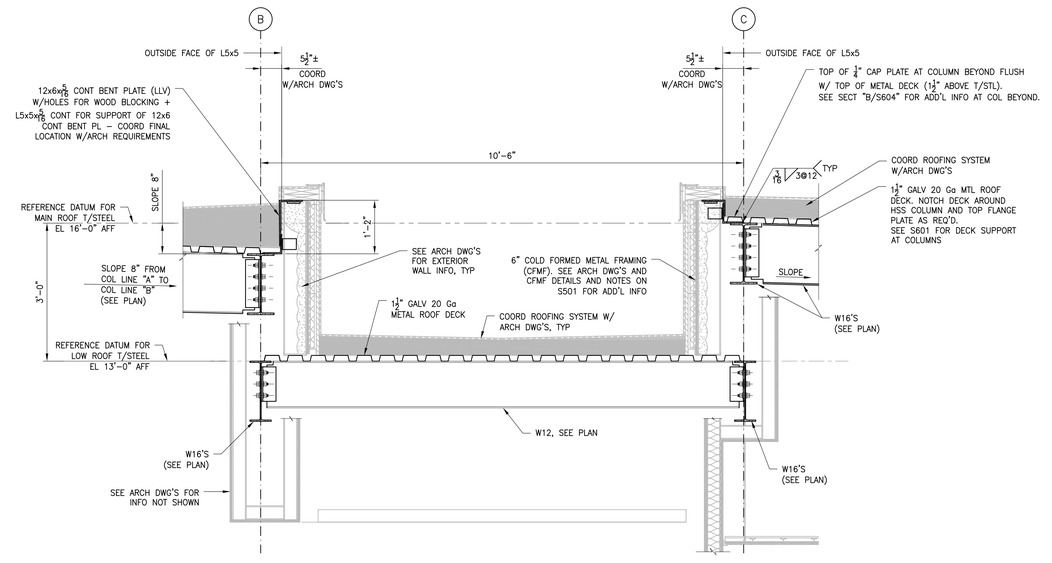
C/S604 SECTION 3/4"=1'-0"



NOTES:
1. SEE PLAN ON DWG S301 AND COLUMN SCHEDULE ON DWG S801 FOR ADD'L INFO NOT SHOWN.
2. SEE MOMENT CONNECTION DETAILS ON DWG S603 FOR ADD'L INFO NOT SHOWN.
3. SEE SECT "C/S604" FOR TYPICAL MAIN ROOF EXTERIOR WALL BETWEEN COLUMNS NOT SHOWN.

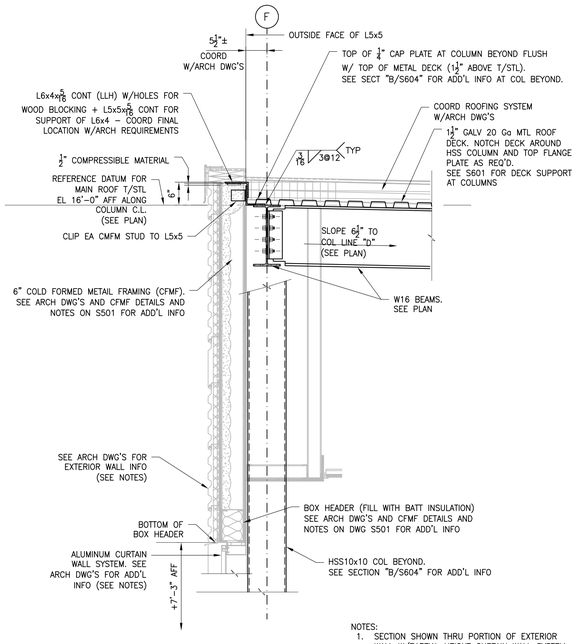
TYPICAL MAIN ROOF EXTERIOR WALL AT COLUMNS W/ SLOPING EXTERIOR BEAMS

D/S604 SECTION 3/4"=1'-0"



NOTES:
1. SECTION SHOWN BETWEEN COLUMN LOCATIONS.
2. SECTION AT COLUMNS SIMILAR. REFER TO SECTION "B/S604" AND MOMENT CONNECTION DETAILS ON S603 FOR ADD'L INFORMATION AND TYPICAL DETAILS.

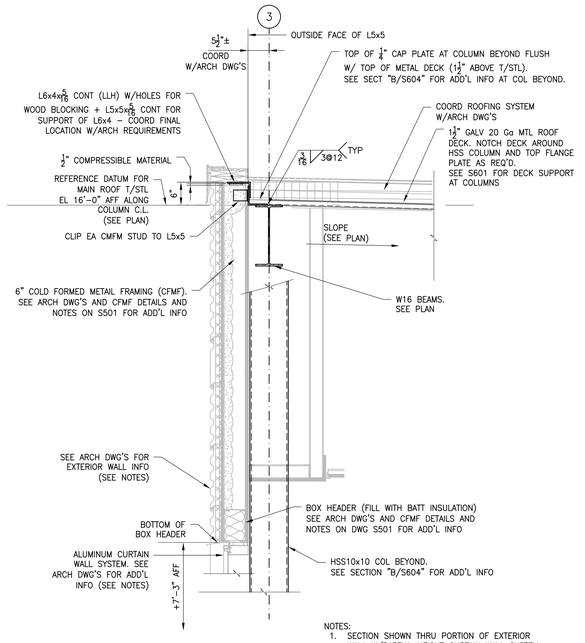
E/S604 SECTION 3/4"=1'-0"



NOTES:
1. SECTION SHOWN THRU PORTION OF EXTERIOR WALL W/PARTIAL HEIGHT CURTAIN WALL SYSTEM AND CFMF BOX HEADER. SEE ARCH WALL SECTIONS FOR FULL HEIGHT CFMF WALL SECTION INFO. SECTION AT ROOF STEEL SIMILAR FOR BOTH CONDITIONS.

TYPICAL MAIN ROOF EXTERIOR WALL BETWEEN COLUMNS AT HIGH POINT

F/S604 SECTION 3/4"=1'-0"



NOTES:
1. SECTION SHOWN THRU PORTION OF EXTERIOR WALL W/PARTIAL HEIGHT CURTAIN WALL SYSTEM AND CFMF BOX HEADER. SEE ARCH WALL SECTIONS FOR FULL HEIGHT CFMF WALL SECTION INFO. SECTION AT ROOF STEEL SIMILAR FOR BOTH CONDITIONS.

TYPICAL MAIN ROOF EXTERIOR WALL BETWEEN COLUMNS AT HIGH POINT

G/S604 SECTION 3/4"=1'-0"

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121 SECOND STREET, ORISKANY, NY 13424

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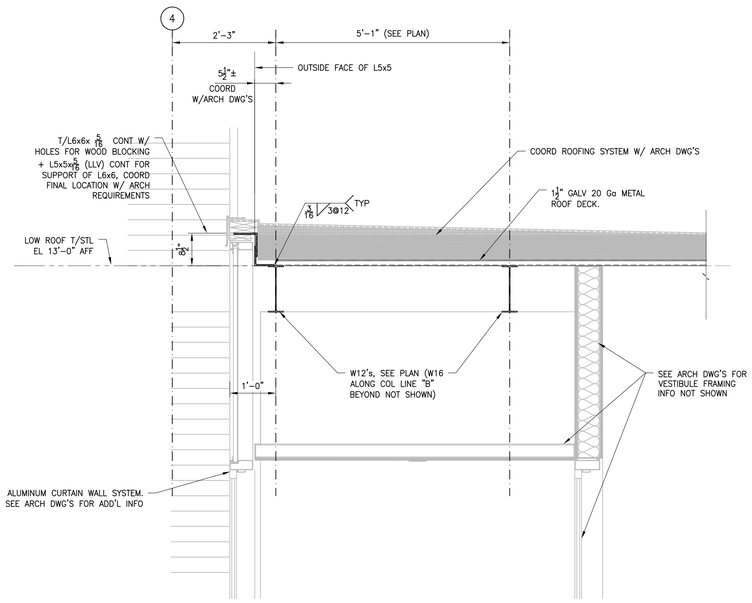
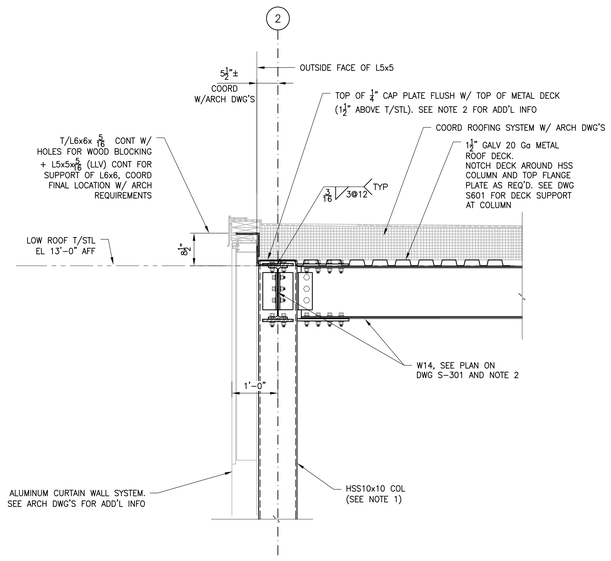
DRAWING TITLE
ROOF FRAMING SECTIONS

DRAWING NO.
S604



THROUGH LOW ROOF VESTIBULE

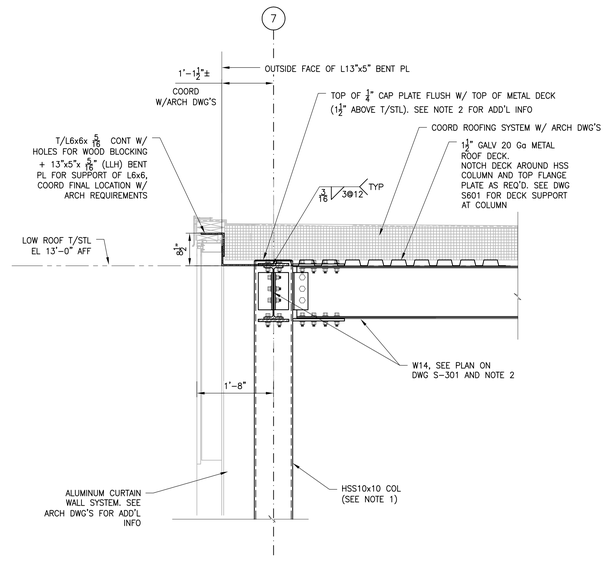
A S605 SECTION
3/4"=1'-0"



NOTES:
1. SEE PLAN ON DWG S301 AND COLUMN SCHEDULE ON DWG S801 FOR ADD'L INFO NOT SHOWN.
2. SEE MOMENT CONNECTION DETAILS ON DWG S603 FOR ADD'L INFO NOT SHOWN.

THROUGH LOW ROOF CURTAINWALL ALONG COL LINE 2

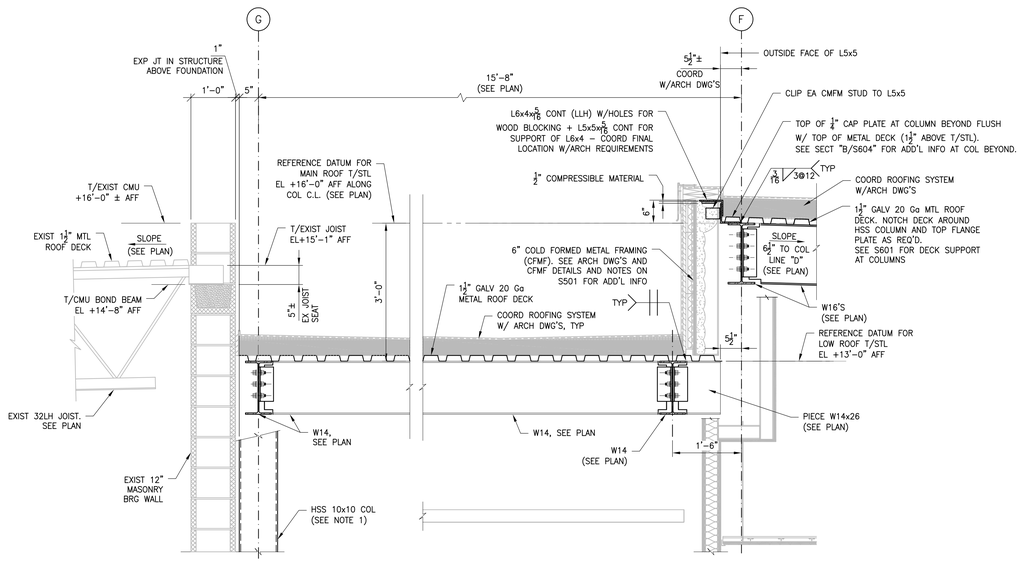
B S605 SECTION
3/4"=1'-0"



NOTES:
1. SEE PLAN ON DWG S301 AND COLUMN SCHEDULE ON DWG S801 FOR ADD'L INFO NOT SHOWN.
2. SEE MOMENT CONNECTION DETAILS ON DWG S603 FOR ADD'L INFO NOT SHOWN.

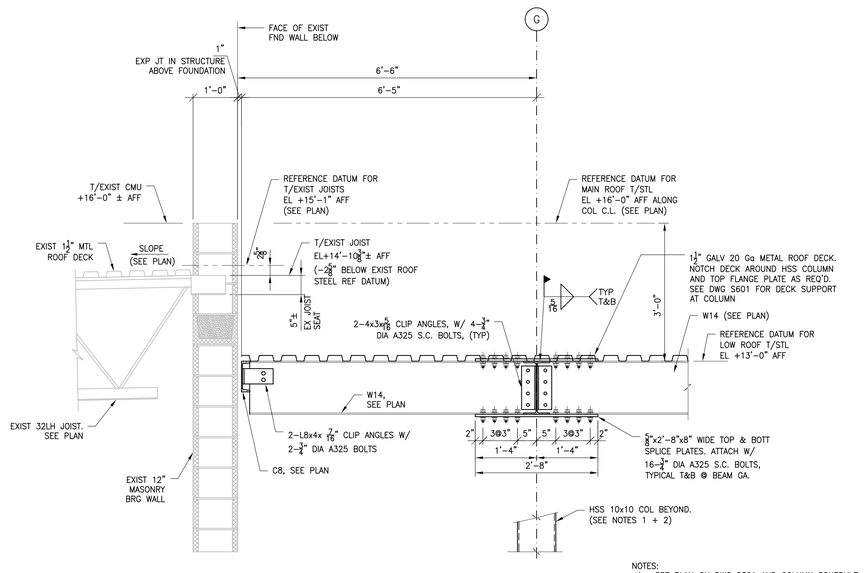
THROUGH LOW ROOF CURTAINWALL ALONG COL LINE 7

C S605 SECTION
3/4"=1'-0"



NOTES:
1. SEE PLAN ON DWG S301 AND COLUMN SCHEDULE ON DWG S801 FOR ADD'L INFO NOT SHOWN.
2. SEE MOMENT CONNECTION DETAILS ON DWG S603 FOR ADD'L INFO NOT SHOWN.

D S605 SECTION
3/4"=1'-0"



NOTES:
1. SEE PLAN ON DWG S301 AND COLUMN SCHEDULE ON DWG S801 FOR ADD'L INFO NOT SHOWN.
2. SEE MOMENT CONNECTION DETAILS ON DWG S603 FOR ADD'L INFO NOT SHOWN.
3. SEE ARCH DWG'S FOR ROOFING NOT SHOWN.

BEAM MOMENT CONNECTION

E S605 SECTION
3/4"=1'-0"

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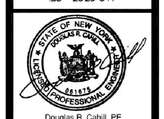

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PROJECT NO.	23036

DRAWING TITLE
ROOF FRAMING SECTIONS

DRAWING NO.
S605

DESIGN PARAMETERS AND GENERAL NOTES

DESIGN PARAMETERS

D-1 REFERENCE BUILDING CODE: 2020 BUILDING CODE OF NEW YORK STATE (BCNYS) NOVEMBER 2019

D-2 LIVE LOADS:

a) ROOF LIVE LOAD = 20 PSF
b) FLOORS:
1. SLAB ON-GRADE = 100 PSF (TYPICAL U.O.N.)
2. FIRST FLOOR SLAB ON METAL DECK = 100 PSF (TYPICAL U.O.N.)
3. STORAGE = 150 PSF
4. MECHANICAL SPACES = 200 PSF

D-3 ROOF SNOW LOAD:

a) GROUND SNOW LOAD (Pg) = 60 PSF
b) FLAT-ROOF SNOW LOAD @ HEATED SPACE (Pf) = 42 PSF (PLUS DRIFTED SNOW)
c) SNOW EXPOSURE FACTOR (Ce) = 1.0
d) SNOW IMPORTANCE FACTOR (Is) = 1.0
e) THERMAL FACTOR @ HEATED SPACE (Ct) = 1.0
f) RISK CATEGORY II (BCNYS REFERENCE CODE TABLE 1604.5/ASCE 7-16
g) SNOW DRIFT SURCHARGE (Pd), = 66 PSF WITH A UNIFORM DISTRIBUTION ONTO THE LOW ROOF, SUPERIMPOSED ON THE FLAT-ROOF BALANCED SNOW LOAD (Pf) PER ASCE 7-16, APPLICABLE FOR THE LOW ROOF AFFECTED BY THE HIGHER ROOF.
h) HIGH ROOF DESIGN SNOW LOAD (BALANCED SNOW) = 42 PSF (UNIFORM)
LOW ROOF DESIGN SNOW LOAD (BALANCED + DRIFT) = 108 PSF (UNIFORM ON ENTIRE LOW ROOF)

D-4 WIND LOAD

a) WIND SPEED (3-SECOND GUST),
V = 110 MPH (BASIC WIND SPEED, BCNYS FIGURE 1609.3 (1), RISK CATEGORY II)
V ASD = 85 MPH (BCNYS TABLE 1609.3.1 AND EQUATION 16-33)
b) RISK CATEGORY II (BCNYS TABLE 1604.5/ASCE 7-16)
c) WIND EXPOSURE CATEGORY B
d) INTERNAL PRESSURE COEFFICIENT (GCpi) = +/- 0.18
e) COMPONENTS AND CLADDING: POSITIVE (+) = INWARD PRESSURE
NEGATIVE (-) = OUTWARD PRESSURE (SUCTION)

WALLS:	+20 PSF, -24 PSF WITHIN 6.5 FT OF CORNERS
	+20 PSF, -20 PSF ELSEWHERE
ROOF:	+10 PSF, -45 PSF WITHIN 6.5 FT OF CORNERS AND EDGE
	+10 PSF, -18 PSF ELSEWHERE

D-5 EARTHQUAKE LOADS

a) RISK CATEGORY II (BCNYS REFERENCE CODE TABLE 1604.5/ASCE 7-16)
b) SEISMIC IMPORTANCE FACTOR: Ie=1.0
c) SITE CLASS: SITE CLASS "C" (PER GEOTECH REPORT)
d) SPECTRAL RESPONSE COEFFICIENTS:

SMS=0.227G	SS=0.175G
SM1=0.086G	S1=0.057G
SDS=0.151G	FA=1.3
SD1=0.057G	FV=1.5

e) SEISMIC DESIGN CATEGORY: DESIGN CATEGORY "A"

D-6 FOUNDATION DESIGN BEARING CAPACITY (PRESUMPTIVE): 3000 PSF (PER GEOTECH REPORT)
(NATIVE SOIL OR COMPACTED ENGINEERED STRUCTURAL FILL)

MISCELLANEOUS:

MS-1. INFORMATION FOR THE EXISTING BUILDING STRUCTURAL ELEMENTS WAS DERIVED FROM LIMITED EXISTING DRAWINGS AND LIMITED LOCALIZED FIELD WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, MATERIALS AND EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT/ENGINEER (A/E) OF ALL DISCREPANCIES BEFORE STARTING WORK. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT EXISTING BUILDING FEATURES AS REQ'D DURING REMOVALS AND INSTALLATION OF ALL NEW WORK.

FOUNDATIONS

F-1. THE BUILDING SITE PREPARATION, GROUND IMPROVEMENT, FOUNDATION DESIGN PARAMETERS AND GENERAL NOTES PRESENTED ON THE DRAWINGS AND IN SPECIFICATION SECTION 31 20 00 "BUILDING EARTH MOVING" ARE BASED ON GENERALLY ACCEPTED GOOD ENGINEERING PRACTICES. REFER TO BASEMENT FOUNDATION PLAN NOTE BF-11 ON DWG S101 FOR ADDITIONAL INFORMATION.

F-2 THE CONTRACTOR SHALL REFER TO AND ADHERE TO ALL REQUIREMENTS SHOWN ON THE DRAWINGS AND WITHIN SPECIFICATION SECTION 31 20 00 "BUILDING EARTH MOVING" FOR SPECIFIC REQUIREMENTS REGARDING ALL MATERIAL SPECIFICATIONS, DEFINITIONS AND PROCEDURES FOR BUILDING SITE PREPARATION, COMPACTION, APPROVAL OF SUB-GRADES AND EXECUTION OF THE WORK WITHIN THE BUILDING PAD AND INFLUENCE AREA OF THE BUILDING ADDITIONS AND ALTERATIONS. SEE THE SPECIFICATION FOR SPECIFIC DEFINITIONS OF THE BUILDING PAD AND INFLUENCE AREA.

F-3. ALL NEW CONSTRUCTION SHALL BE SUPPORTED ON PROPERLY PREPARED, COMPACTED, TESTED AND APPROVED NATIVE SOILS OR PROPERLY PLACED, COMPACTED, TESTED AND APPROVED ENGINEERED SOIL MATERIALS. REFER TO SPECIFICATION SECTION 31 20 00 "BUILDING EARTH MOVING" FOR ADDITIONAL INFORMATION NOT INDICATED ON THE DRAWINGS.

F-4. THE CONTRACTOR SHALL FOLLOW ALL EXCAVATION SAFETY PRACTICES AS MANDATED BY 29 CFR PART 1926 (OSHA) AND ALL APPLICABLE STATE AND LOCAL REGULATIONS. CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCING OF ALL CONSTRUCTION ACTIVITIES.

F-5. A PRESUMPTIVE SOIL BEARING PRESSURE OF 3000 PSF HAS BEEN USED FOR THE DESIGN OF NEW CONTINUOUS WALL AND COLUMN SPREAD FOOTINGS. SEE DESIGN PARAMETER NOTE D-6 FOR ADD'L INFORMATION.

F-6. EXCAVATED EXISTING ON-SITE MATERIAL SHALL BE STOCKPILED AS DIRECTED BY THE OWNER'S REPRESENTATIVE FOR CONSIDERATION AND TESTING FOR RE-USE AS ON-SITE FILL MATERIALS. APPROVAL FOR RE-USE SHALL BE BY THE SPECIAL INSPECTOR'S PROFESSIONAL GEOTECHNICAL ENGINEER (PGE) WHO WILL VERIFY CONFORMANCE AND IF MATERIAL IS SUITABLE FOR RE-USE.

STOCKPILE IMPORTED BORROW MATERIALS AND SATISFACTORY EXCAVATED SOIL MATERIALS. STOCKPILE SOIL MATERIALS WITHOUT INTERMIXING. PLACE, GRADE, AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST. STOCKPILE SOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS. DO NOT STORE WITHIN DRIP LINE OF REMAINING TREES. REFER TO SPECIFICATION SECTION 31 20 00 "BUILDING EARTH MOVING" FOR ADDITIONAL INFORMATION.

F-7. PLEASE BE ADVISED THAT INFORMATION FOR THE EXISTING BUILDING UTILITIES IN THE AREA OF NEW CONSTRUCTION IS NOT SHOWN ON THE FOUNDATION PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE SITE DRAWINGS TO THE GREATEST EXTENT POSSIBLE REGARDING KNOWN UTILITIES AND SHALL ALSO USE EXTREME CARE DURING EXCAVATION FOR ALL NEW WORK SO AS NOT TO DAMAGE OR INTERRUPT EXISTING UNDERGROUND UTILITIES.

F-8. LEVELS OF BACKFILL AGAINST FOUNDATION WALLS SHALL NOT DIFFER BY MORE THAN 2'-0" ON EITHER SIDE OF WALLS, UNLESS WALLS ARE ADEQUATELY BRACED OR ALL FLOOR FRAMING IS IN PLACE, UP TO AND INCLUDING GRADE LEVEL SLABS.

F-9. STEP FOOTINGS WHERE ELEVATIONS CHANGE AT ONE VERTICAL ON TWO HORIZONTAL. PLACE LOW FOOTINGS FIRST.

F-10. CONCRETE GENERAL NOTES APPLY TO FOUNDATIONS.

F-11. WALL OPENINGS: 2 - #6 FOUR SIDES, EXTEND 2'-0" BEYOND OPENINGS, UNLESS OTHERWISE NOTED. (U.O.N.)

F-12. WALL CONSTRUCTION JOINTS: PROVIDE PER TYPICAL DETAIL.

F-13. WALL, PIER, AND STEPPED FOOTINGS: PROJECT 6", 16" THICK, U.O.N.

MASONRY NOTES

M-1. ALL CONCRETE MASONRY SHALL CONFORM WITH ASTM C90 HOLLOW LOAD BEARING (HL) UNITS WITH A COMPRESSIVE STRENGTH OF 2150 PSI ON THE NET SECTION.

M-2. ALL MORTAR SHALL CONFORM WITH ASTM C270.

M-3. ALL GROUT SHALL CONFORM WITH ASTM C476 AND HAVE AN AVERAGE COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. CONCRETE SHALL NOT BE USED IN LIEU OF MASONRY GROUT.

M-4. CENTER ALL VERTICAL REINFORCING IN CMU CORE AND HOLD IN POSITION WITH CAGING DEVICES.

M-5. THE MINIMUM LENGTH OF LAP FOR REINFORCING IN MASONRY WALLS UNLESS OTHERWISE NOTED SHALL BE AS FOLLOWS:

BAR NO	LAP
#3	18"
#4	24"
#5	30"
#6	36"
#7	42"

M-6. ALL BOND BEAMS SHALL BE CONTINUOUS AND SHALL BE FILLED WITH GROUT AND REINFORCED AS FOLLOWS:

BOND BEAM	REINFORCING
6" CMU	(1) #4
8" CMU	(2) #5
10" CMU	(2) #6
12" CMU	(2) #6

REINFORCING SHALL BE CONTINUOUS UNLESS OTHERWISE NOTED. PROVIDE HORIZONTAL BENT BARS AT CORNERS TO MAINTAIN CONTINUOUS REINFORCING.

IN ADDITION TO BOND BEAMS SHOWN ON ARCHITECTURAL AND STRUCTURAL SECTIONS AND DETAILS, PROVIDE ADDITIONAL BOND BEAMS VERTICALLY SPACED @ 8'-0" MAXIMUM, FULL HEIGHT OF WALLS.

M-7. GROUT SHALL BE PLACED IN THE VERTICAL CORES OF THE MASONRY UNITS UTILIZING THE LOW LIFT GROUTING METHOD SET FORTH IN NCMA-TEK 23A.

A) WEBS ADJACENT TO CORES TO BE GROUTED SHALL BE MORTARED. MORTAR SHALL BE STRUCK FLUSH WITH THE INSIDE FACE OF CORES TO BE GROUTED. CORES TO BE GROUTED SHALL BE CLEARED OF ALL MORTAR DROPPINGS AND OTHER DEBRIS PRIOR TO GROUTING.
B) THE MAXIMUM HEIGHT OF A GROUT LIFT SHALL BE 4 FEET.
C) STOP GROUT POURS 1½ INCHES BELOW THE UPPERMOST PORTION OF THE CAVITY BEING FILLED TO PROVIDE A KEY FOR THE NEXT LIFT OR POUR.
D) CONSOLIDATE GROUT BY VIBRATE TWICE WITH A MECHANICAL VIBRATOR EACH LIFT, ONCE IMMEDIATELY AFTER POUR AND ONCE APPROXIMATELY 30 MINUTES AFTER GROUT IS INSTALLED.
E) ALL REINFORCING STEEL SHALL BE INSPECTED IN PLACE BEFORE GROUTING AND THERE SHALL BE CONTINUOUS INSPECTION DURING THE GROUTING OPERATION.

M-8. PROVIDE VERTICAL #5 IN GROUTED CORES AT 48" O.C. FOR ALL 8" AND 10" CMU WALLS U.O.N. (PROVIDE #4@48 FOR 6" CMU WALLS)

M-9. PLACE #5 REINFORCING BARS IN TWO GROUTED CORES EACH SIDE OF OPENING EXTENDING FULL HEIGHT OF WALL (#4 BARS @ 6" CMU).

M-10. PROVIDE ONE VERTICAL REINFORCING BAR (SAME SIZE AS ADJACENT WALL) FULL HEIGHT OF WALL AT CORNERS, INTERSECTIONS, WALL ENDS, JAMBS AND EACH SIDE OF CONTROL JOINTS, U.O.N.

M-11. SUBMIT SHOP DRAWINGS DETAILING ALL REINFORCING STEEL IN REINFORCED MASONRY CONSTRUCTION INCLUDING DETAILS OF ALL BENT BARS, VERTICAL REINFORCING AND HORIZONTAL BOND BEAM REINFORCING. INCLUDE PLANS, BEARING POCKETS AND ELEVATIONS AS REQUIRED TO CLEARLY SHOW ALL REINFORCING.

M-12. NEW PENETRATIONS 16" OR SMALLER THROUGH EXIST MASONRY BEARING WALLS DO NOT NEED LINTELS. PROVIDE LINTELS AS REQ'D IN EXIST MASONRY BEARING WALLS FOR NEW PENETRATIONS GREATER THAN 16" IN WIDTH.

STRUCTURAL STEEL / METAL DECK NOTES

S-1. STEEL ROOF DECK SHALL CONFORM TO THE STEEL DECK INSTITUTE AND FACTORY MUTUAL STANDARDS. (TWO OR MORE SPAN LOADING CONDITIONS). TYPICAL ALL ROOF AND FLOOR AREAS UNLESS OTHERWISE NOTED. SEE PLAN FOR SIZE.

S-2. STRUCTURAL STEEL SHALL BE AS FOLLOWS EXCEPT AS OTHERWISE NOTED:
STRUCTURAL SHAPES - ASTM A992 (Fy = 50KSI)
STRUCTURAL TUBES - ASTM A500 (Fy = 46KSI) GRADE B
STRUCTURAL PIPE - ASTM A501 (Fy = 36KSI) OR ASTM A53, TYPE E OR S, GRADE B (Fy = 36KSI)
STRUCTURAL BARS, ANGLES, AND PLATES - ASTM A36 (Fy = 36KSI)

S-3. FINAL LOCATION OF ALL CLIP ANGLES ATTACHED TO BEAMS WHICH SUPPORT EXTERIOR AND INTERIOR WALLS SHALL BE COORDINATED WITH DIMENSIONAL REQUIREMENTS OF ARCHITECTURAL DETAILS AND SHALL BE INSTALLED ACCOUNTING FOR ROLLING TOLERANCES OF STEEL MEMBERS TO PROVIDE PROPER ALIGNMENT.

S-4. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND THE SPECIFICATIONS. REF SPECS FOR SHOP DRAWING REQUIREMENTS.

S-5. FABRICATE AND ERECT ALL STRUCTURAL STEEL WITH RESIDUAL MILL CAMBER UPWARDS U.O.N..

S-6. FIELD CONNECTIONS SHALL BE BOLTED WITH ¾" DIA ASTM A325 BOLTS (PROVIDE STD HOLES) EXCEPT AS OTHERWISE NOTED AND WHERE WELDING IS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. USE BEARING-TYPE CONNECTIONS WITH THREADS IN THE SHEAR PLANE AND SNUG TIGHT. (USE SLIP CRITICAL CONNECTION IF SLOTTED HOLES ARE USED OR AS INDICATED ON DRAWINGS).

S-7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL NOTIFY ARCH/ENG OF ALL DISCREPANCIES PRIOR TO STARTING WORK.

S-8. CONTRACTOR SHALL USE EXTREME CARE AND PROVIDE ADD'L PROTECTION TO SAFEGUARD THE STRUCTURE FROM DAMAGE AND / OR FIRE DURING ALL CONSTRUCTION ACTIVITIES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO DEMOLITION, ERECTION, INSTALLATION, REINFORCEMENT, WELDING, ETC.

S-9. ALL WELDING SHALL COMPLY WITH THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE D1.1. ALL WELDING SHALL BE PERFORMED BY AWS QUALIFIED OPERATORS USING E70XX ELECTRODES. REMOVE ALL DIRT, GREASE, PAINT AND BURRS WITHIN 3" OF ALL WELDS.

LEAD BASE PAINT NOTES

LBP-1 THE DEMOLITION, RENOVATION, AND RECONSTRUCTION WORK REQUIRED FOR THIS PROJECT WILL DISTURB LEAD-CONTAINING PAINT (LBP) CREATING THE POTENTIAL FOR LEAD EXPOSURE TO WORKERS AND BUILDING OCCUPANTS. REFER TO SECTION 02 8300 FOR REQUIREMENTS. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATES OCCUPATIONAL EXPOSURE TO LEAD UNDER 29 CFR 1926.62, THE LEAD IN CONSTRUCTION STANDARD. ANY CONTRACTOR DISTURBING LEAD CONTAINING SURFACES SHALL COMPLY WITH ALL REQUIREMENTS OF THE REFERENCED REGULATION. THE INTENT IS FOR THE CONTRACTOR TO PROTECT HIS WORKERS AND BUILDING OCCUPANTS FROM EXPOSURE TO LEAD DURING THE WORK ACTIVITIES THAT DISTURB LEAD-CONTAINING PAINT AND LBP. THE CONTRACTOR SHALL ALSO COMPLY WITH THE US EPA RENOVATION, REPAIR AND PAINTING PROGRAM (RRP RULE). THIS REGULATION APPLIES ONLY TO CHILD OCCUPIED FACILITIES CONSTRUCTED BEFORE 1978. IT SHALL BE ASSUMED THAT ALL EXISTING STEEL BEAMS, COLUMNS, JOISTS, ETC. AFFECTED BY THE WORK ON THIS PROJECT CONTAIN LEAD COATINGS AND APPROPRIATE MEASURES SHALL BE TAKEN AS INDICATED ABOVE. THIS INCLUDES BUT IS NOT LIMITED TO; NEW ATTACHMENTS TO EXISTING STEEL FRAMING AND REINFORCEMENT TO EXISTING FRAMING. REFER TO THE SAMPLING REPORTS ON FILE FOR THIS PROJECT FOR FURTHER LBP LOCATIONS AND DETAILS.

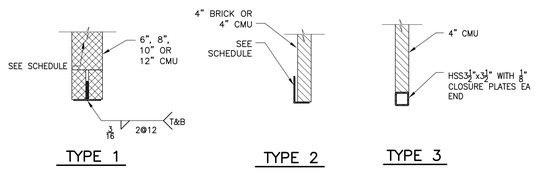
TESTING AGENCY SERVICES DURING CONSTRUCTION

TS-1. IT IS REQUIRED THAT THE OWNER CONTRACT WITH AN APPROVED TESTING AGENCY DURING CONSTRUCTION TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS. REFER TO THE PROJECT MANUAL DIVISION 1, SPECIFICATION SECTION 014533 "CODE REQUIRED SPECIAL INSPECTIONS AND PROCEDURES" FOR ADDITIONAL INFORMATION.

LINTEL SCHEDULE

MARK	CLEAR OPENING	SIZE	WALL TYPE	REMARKS
L-1	0'-7" FT	2L 3x2½x5/16 LLV	6" CMU TYPE 1	—
L-2	0'-7" FT	2L 6x3½x5/16 LLV	8" CMU TYPE 1	—
L-3	0'-7" FT	2L 6x4x5/16" LLV	10" CMU TYPE 1	—
L-4	0'-7" FT	2L 5x5x⅜	12" CMU TYPE 1	—
L-5	4'-8" FT	L7x4x⅜" (LLV)	4" BRICK OR 4" CMU TYPE 2	—
L-6	4'-7" FT	HSS3½x3½x¼	4" CMU TYPE 3	—

NOTES:
1. ALL OPENINGS THRU MASONRY WALLS MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS REQUIRED IN CMU WALLS AND PROVIDE STEEL LINTELS PER SCHEDULE. (1 ANGLE PER EVERY 4" WYTHE OF MASONRY U.O.N.)
2. PENETRATIONS 16" OR SMALLER THROUGH MASONRY WALLS DO NOT NEED LINTELS U.O.N. BELOW;
PROVIDE NEW LINTELS PER THE SCHEDULE AS FOLLOWS:
a. PROVIDE LINTELS IN MASONRY WALLS FOR NEW PENETRATIONS GREATER THAN 16" IN WIDTH.
b. PROVIDE LINTELS IF OPENING IS DIRECTLY BELOW BEAM OR JOIST BEARING POCKET REGARDLESS OF OPENING WIDTH.
c. PROVIDE LINTELS IN ALL NEW OR EXISTING OPENINGS IF ANY OF THESE OPENINGS ARE LOCATED LESS THAN 3 COURSES VERTICALLY OF EACH OTHER REGARDLESS OF OPENING WIDTHS.
3. PROVIDE 8" BEARING EACH END, TYP UNLESS OTHERWISE NOTED.
4. FOR SPANS NOT LISTED, CONSULT A/E.
5. ALL LINTELS IN EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED FINISH. SEE SPECIFICATIONS
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS ASSOCIATED WITH INSTALLATION OF ALL STEEL LINTELS, INCLUDING BUT NOT LIMITED TO DESIGN, INSTALLATION, AND REMOVAL OF ALL TEMPORARY SHORING AND BRACING AS REQUIRED FOR THE STRUCTURE AND BUILDING FEATURES. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OBTAINING THE SERVICES OF A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO PREPARE THE REQUIRED DESIGN AND SHORING DOCUMENTS TO PERFORM THIS WORK. THESE DOCUMENTS SHALL BE SIGNED AND SEALED BY THE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN AND PREPARATION OF THESE DOCUMENTS AND SHALL BE SUBMITTED TO THE A/E FOR RECORD.



1 S701 STEEL LINTEL SCHEDULE
3/4"=1'-0"

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ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED DESIGN PROFESSIONAL IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW

IE Solutions
Interactive Engineering Solutions P.C.
Interactive Engineering Solutions P.C.
Certificate of Authorization No. 0022543
Expiration Date: 11/30/2027
1721 Black River Blvd
Rome, NY 13440
315-339-7855
IES # 2023-017

Douglas R. Cahill, PE
NYS Professional Engineer No. 61573
Expiration Date 3/31/2026

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 19, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRG
SCALE	AS NOTED
PROJECT NO.	23036

DRAWING TITLE
DESIGN PARAMETERS, GENERAL NOTES AND LINTEL SCHEDULE

DRAWING NO.
S701

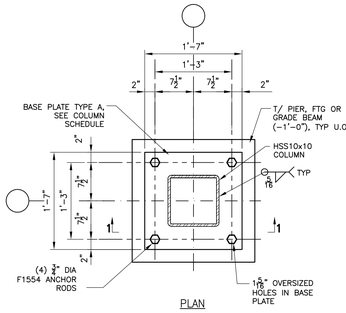
COLUMN SCHEDULE – ADDITION

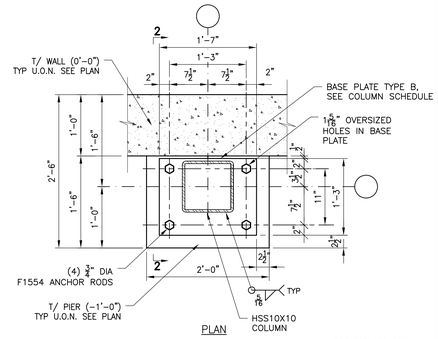
COLUMN MARK / ELEVATION	1		2				3					4		5					6		7		8			9		10			11		12			13		14		
	A	B	E	F	G	H	C	D	E	F	G	A	B	C	D	F	G	H	A	B	F	G	C	D	F	A	B	C	D	F	A	B	C	D	F	A	B	C	D	F
MAIN ROOF T/ STL EL +16'-0"	SEE TYPICAL MOMENT CONNECTION DETAILS ON DWG S604 FOR CAP PLATE AND TOP AND BOTTOM FLANGE PLATES. TYPICAL ALL COLUMNS THAT DO NOT FRAME TO UNDERSIDE OF BEAMS. (SEE NOTES)				W14				W16					SEE ROOF FRAMING PLAN FOR ROOF SLOPES, TYP										W16																	
LOW ROOF T/STL EL +13'-0"	3'-0"																																						
PROJECT REF DATUM T/ FIRST FLOOR SLAB EL 709.80 (EL 0'-0")	16'-0" / 13'-0"					2'-4½"	2'-10½"																														2'-10½"		
T/BASEMENT LEVEL FLOOR SLAB EL 698.80 (EL 11'-0")	11'-0" / 10½"													1'-4½"																									
				SEE NOTE 6							SEE NOTE 6							SEE NOTE 6				SEE NOTE 6															SIM	SIM	
BASE PL TYPE	D	D	G	F	F	—	C	B	B	C	H	E	E	B	A	B	H	E	A	F	J	B	A	B	E	A	B	A	B	E	A	B	A	B	D	D	C	B	C
BASE PL–SIZE	15½"×1"×1'-3½"	15½"×1"×1'-3½"	15½"×1"×1'-3½"	15"×1"×1'-7"	15"×1"×1'-7"	—	15½"×1"×1'-3½"	15"×1"×1'-7"	15"×1"×1'-7"	15½"×1"×1'-3½"	15"×1"×1'-7"	15"×1"×1'-7"	15"×1"×1'-7"	15"×1"×1'-7"	19"×1"×1'-7"	15"×1"×1'-7"	15"×1"×1'-7"	15"×1"×1'-7"	19"×1"×1'-7"	15"×1"×1'-7"	15½"×1"×1'-3½"	15"×1"×1'-7"	19"×1"×1'-7"	15"×1"×1'-7"	15"×1"×1'-7"	19"×1"×1'-7"	15"×1"×1'-7"	19"×1"×1'-7"	15"×1"×1'-7"	15"×1"×1'-7"	19"×1"×1'-7"	15"×1"×1'-7"	19"×1"×1'-7"	15"×1"×1'-7"	15½"×1"×1'-3½"	15½"×1"×1'-3½"	15½"×1"×1'-3½"	15"×1"×1'-7"	15½"×1"×1'-3½"

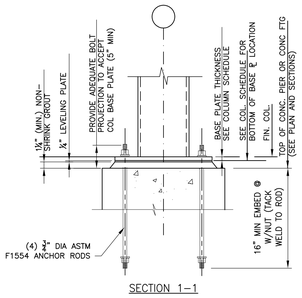
BASE PL SAME AS TYPE "C" T/WALL IS SIMILAR

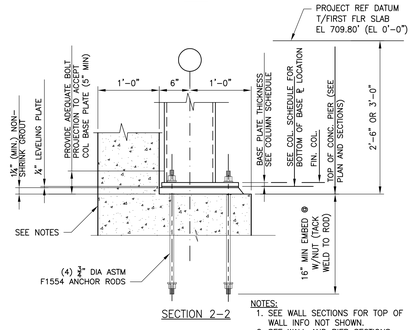
BASE PL SAME AS TYPE "B" T/WALL IS SIMILAR, SEE SECTION "B/S403" AND DETAIL "5/S602"

NOTES:
1. DIMENSIONS SHOWN ARE TO BOTTOM OF COLUMN BASE PLATES.
2. ALL BASE PLATE DIMENSIONS ARE SHOWN IN INCHES.
3. COORDINATE TOP OF COLUMNS W/TOP OF STEEL SHOWN ON PLANS AND SECTIONS.
4. DIMENSIONS SHOWN ON COLUMN SCHEDULE ARE NOT TO SCALE, TYP.
5. TOP OF ¾" COLUMN CAP PLATES (C.P.) AT 1½" ABOVE ROOF REFERENCE DATUM. SEE TYPICAL MOMENT CONNECTION DETAILS ON DWG S604 AND ROOF FRAMING SECTIONS OF DWG S603 FOR ADD'L INFO.
6. SEE DWG S802 FOR ADD'L BASE PLATE DETAILS.



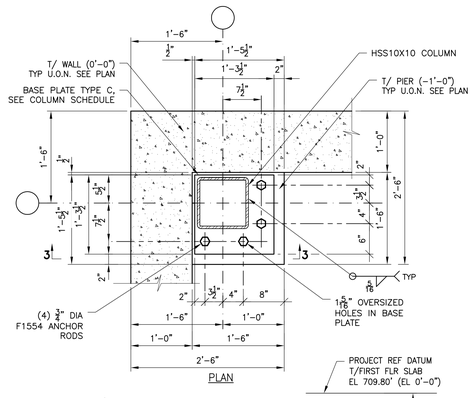


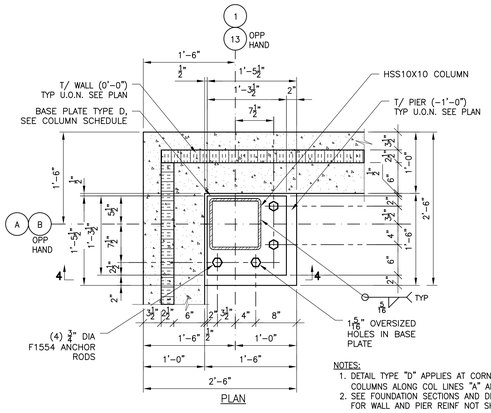




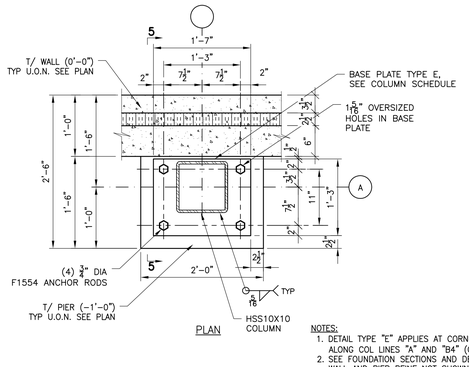
1 S801 DETAIL TYPE "A" BASE PLATE — 1"=1'-0"

AT BASEMENT WALL COLUMNS
2 S801 DETAIL TYPE "B" BASE PLATE — 1"=1'-0"

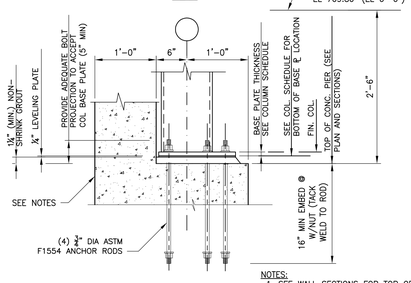




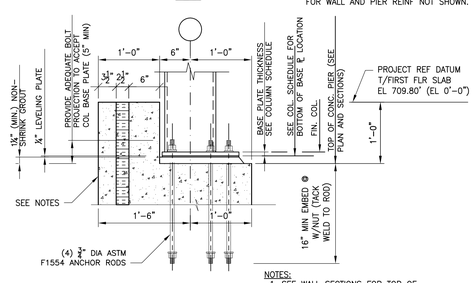
NOTES:
1. DETAIL TYPE "D" APPLIES AT CORNER COLUMNS ALONG COL LINES "A" AND "B".
2. SEE FOUNDATION SECTIONS AND DETAILS FOR WALL AND PIER REINF NOT SHOWN.



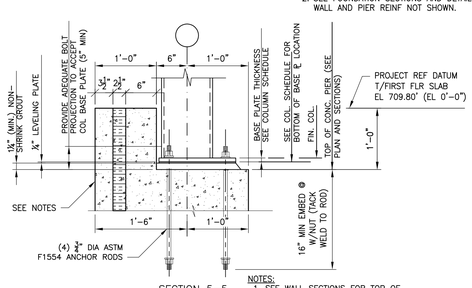
NOTES:
1. DETAIL TYPE "E" APPLIES AT CORNER COLUMNS ALONG COL LINES "A" AND "B4" (OPP HAND).
2. SEE FOUNDATION SECTIONS AND DETAILS FOR WALL AND PIER REINF NOT SHOWN.



NOTES:
1. SEE WALL SECTIONS FOR TOP OF WALL INFO NOT SHOWN.
2. SEE WALL AND PIER SECTIONS FOR REINF INFO NOT SHOWN.



NOTES:
1. SEE WALL SECTIONS FOR TOP OF WALL INFO NOT SHOWN.
2. SEE WALL AND PIER SECTIONS FOR REINF INFO NOT SHOWN.



NOTES:
1. SEE WALL SECTIONS FOR TOP OF WALL INFO NOT SHOWN.
2. SEE WALL AND PIER SECTIONS FOR REINF INFO NOT SHOWN.

AT BASEMENT WALL CORNER COLUMNS
3 S801 DETAIL TYPE "C" BASE PLATE — 1"=1'-0"

AT FIRST FLOOR CORNER COLUMNS
4 S801 DETAIL TYPE "D" BASE PLATE — 1"=1'-0"

AT FIRST FLOOR COLUMNS
5 S801 DETAIL TYPE "E" BASE PLATE — 1"=1'-0"

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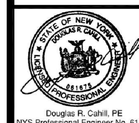


Douglas R. Cahill, PE
NYS Professional Engineer No. 61673
Expiration Date 3/31/2026

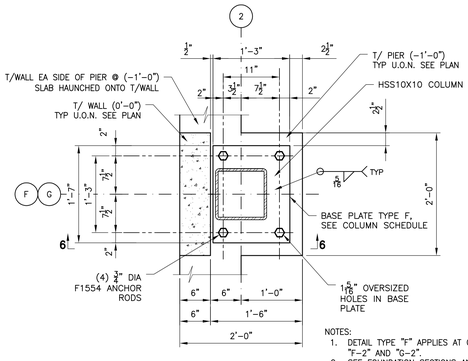
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

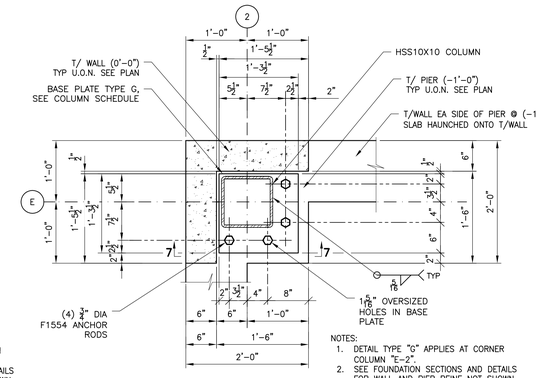
DATE	MARCH 19, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRC
SCALE	AS NOTED
PROJECT NO.	23036

DRAWING TITLE
COLUMN SCHEDULE AND BASE PLATE DETAILS

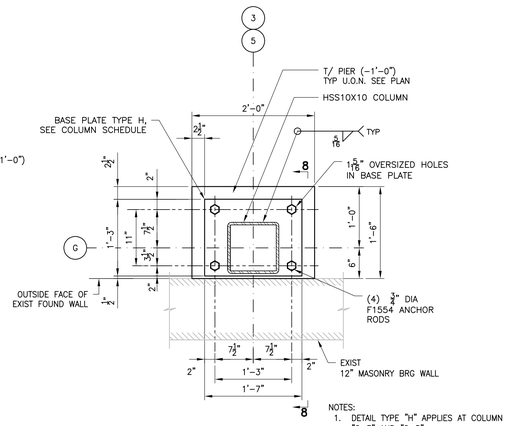
DRAWING NO.
S801



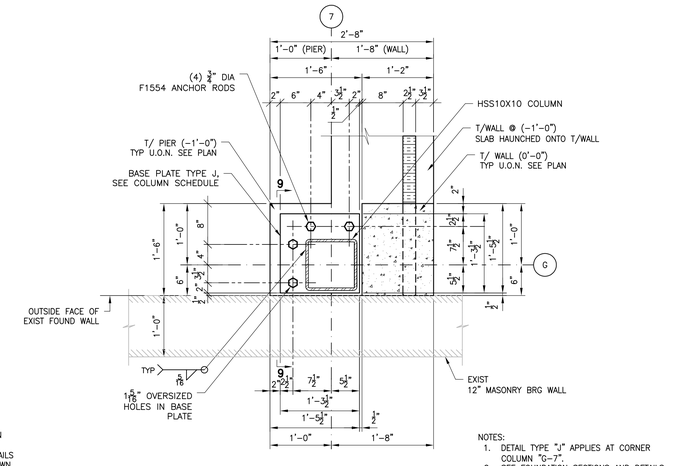
NOTES:
1. DETAIL TYPE "F" APPLIES AT COLUMN "F–2" AND "G–2".
2. SEE FOUNDATION SECTIONS AND DETAILS FOR WALL AND PIER REINF NOT SHOWN.



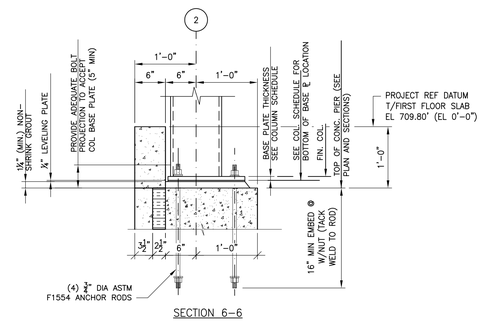
NOTES:
1. DETAIL TYPE "G" APPLIES AT CORNER COLUMN "E–2".
2. SEE FOUNDATION SECTIONS AND DETAILS FOR WALL AND PIER REINF NOT SHOWN.



NOTES:
1. DETAIL TYPE "H" APPLIES AT COLUMN "G–3" AND "G–5".
2. SEE FOUNDATION SECTIONS AND DETAILS FOR WALL AND PIER REINF NOT SHOWN.

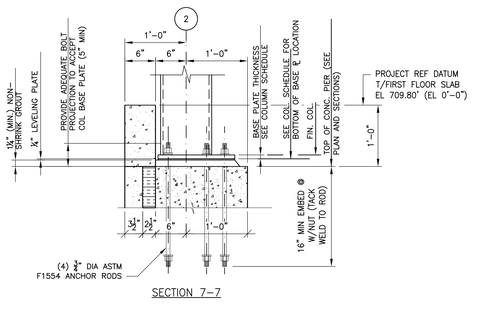


NOTES:
1. DETAIL TYPE "J" APPLIES AT CORNER COLUMN "G–7".
2. SEE FOUNDATION SECTIONS AND DETAILS FOR WALL AND PIER REINF NOT SHOWN.



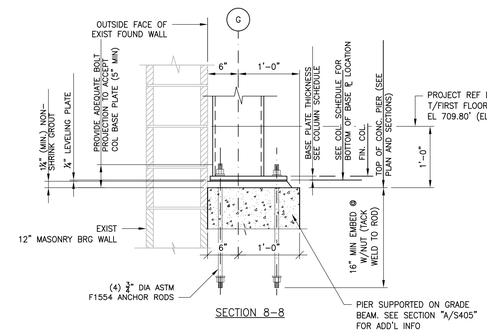
SECTION 6–6

AT FIRST FLOOR COLUMNS
6 S802 DETAIL TYPE "F" BASE PLATE
1"=1'–0"



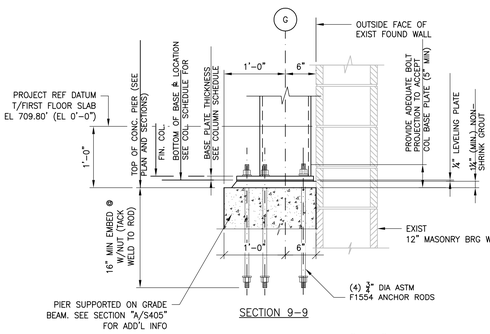
SECTION 7–7

AT FIRST FLOOR COLUMN
7 S802 DETAIL TYPE "G" BASE PLATE
1"=1'–0"



SECTION 8–8

AT FIRST FLOOR COLUMNS
8 S802 DETAIL TYPE "H" BASE PLATE
1"=1'–0"



SECTION 9–9

AT FIRST FLOOR COLUMN "G–7"
9 S802 DETAIL TYPE "J" BASE PLATE
1"=1'–0"

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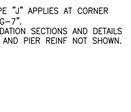


Douglas R. Cahill, PE
NYS Professional Engineer No. 61673
Expiration Date 3/31/2026

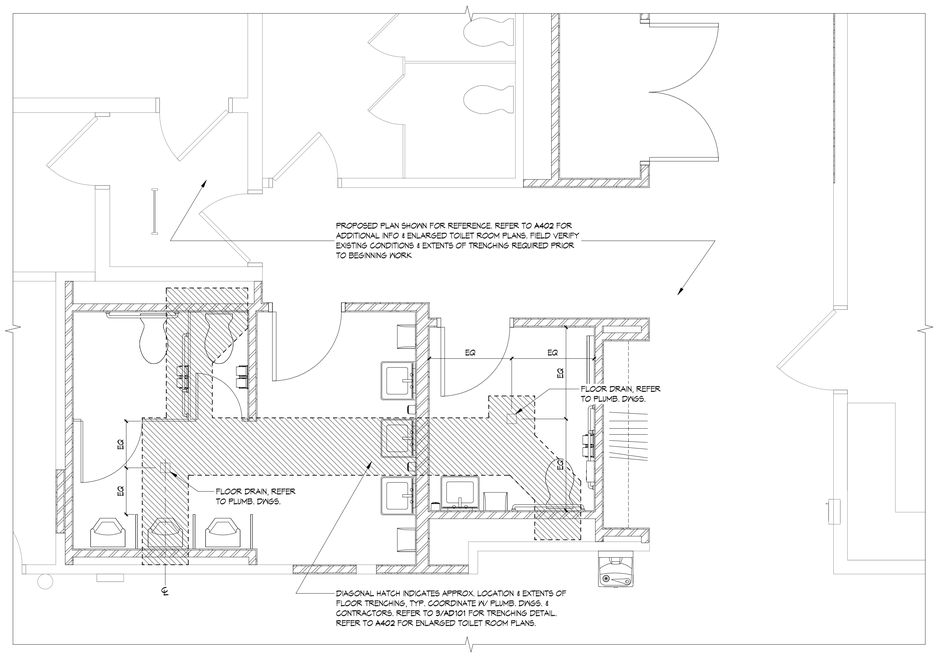
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 19, 2025
DRAWN BY	TJP / KRG
CHECKED BY	DRC
SCALE	AS NOTED
PROJECT NO.	23036

DRAWING TITLE
COLUMN BASE PLATE DETAILS

DRAWING NO.
S802



2 AD101 FLOOR TRENCHING PLAN DIAGRAM

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

REMOVALS LEGEND:

DENOTES EXISTING PARTITIONS TO BE REMOVED

DENOTES EXISTING ITEMS TO BE REMOVED

KEYED REMOVAL NOTES:

1. REMOVE DOOR, FRAME, HARDWARE & ALL ASSOCIATED CONSTRUCTION IN ITS ENTIRETY.
2. REMOVE PORTION OF GWB & STUD WALL AS REQUIRED TO INSTALL NEW WORK. SHORE EXISTING CONSTRUCTION AS REQUIRED TO MAINTAIN ITS STRUCTURAL INTEGRITY.
3. REMOVE GWB & STUD WALL, FULL HEIGHT, LENGTH AS SHOWN.
4. REMOVE PORTION OF MASONRY WALL AS REQUIRED TO INSTALL NEW WORK. SHORE EXISTING CONSTRUCTION AS REQUIRED TO MAINTAIN ITS STRUCTURAL INTEGRITY.
5. REMOVE MASONRY WALL, FULL HEIGHT, LENGTH AS SHOWN.
6. CAREFULLY REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM IN ITS ENTIRETY, INCLUDING TILES, GRID, SUSPENSION SYSTEM & ALL ASSOCIATED CONSTRUCTION.
7. REMOVE GWB CEILING SYSTEM IN ITS ENTIRETY.
8. REMOVE TOILET PARTITIONS, ACCESSORIES, & ALL ASSOCIATED HARDWARE IN ITS ENTIRETY. TURN ACCESSORIES OVER TO OWNER.
9. REMOVE PORCELAIN TILE FLOOR & THIN-SET MORTAR IN ITS ENTIRETY DOWN TO EXISTING CONCRETE SLAB. PROVIDE A SMOOTH & LEVEL SUBSTRATE TO ACCOMMODATE NEW FLOORING.
10. REMOVE THIN SET QUARRY TILE, SETTING BED & BASE IN ITS ENTIRETY TO THE EXTENTS SHOWN. PATCH SUBSTRATE TO A SMOOTH & LEVEL CONDITION TO RECEIVE NEW FINISH.
11. REMOVE CARPET FLOORING, RESILIENT BASE & ADHESIVE IN ITS ENTIRETY. PROVIDE A SMOOTH & LEVEL SUBSTRATE TO ACCOMMODATE NEW FLOORING.
12. REMOVE VCT FLOORING & ADHESIVE IN ITS ENTIRETY. PROVIDE A SMOOTH & LEVEL SUBSTRATE TO ACCOMMODATE NEW FLOORING.

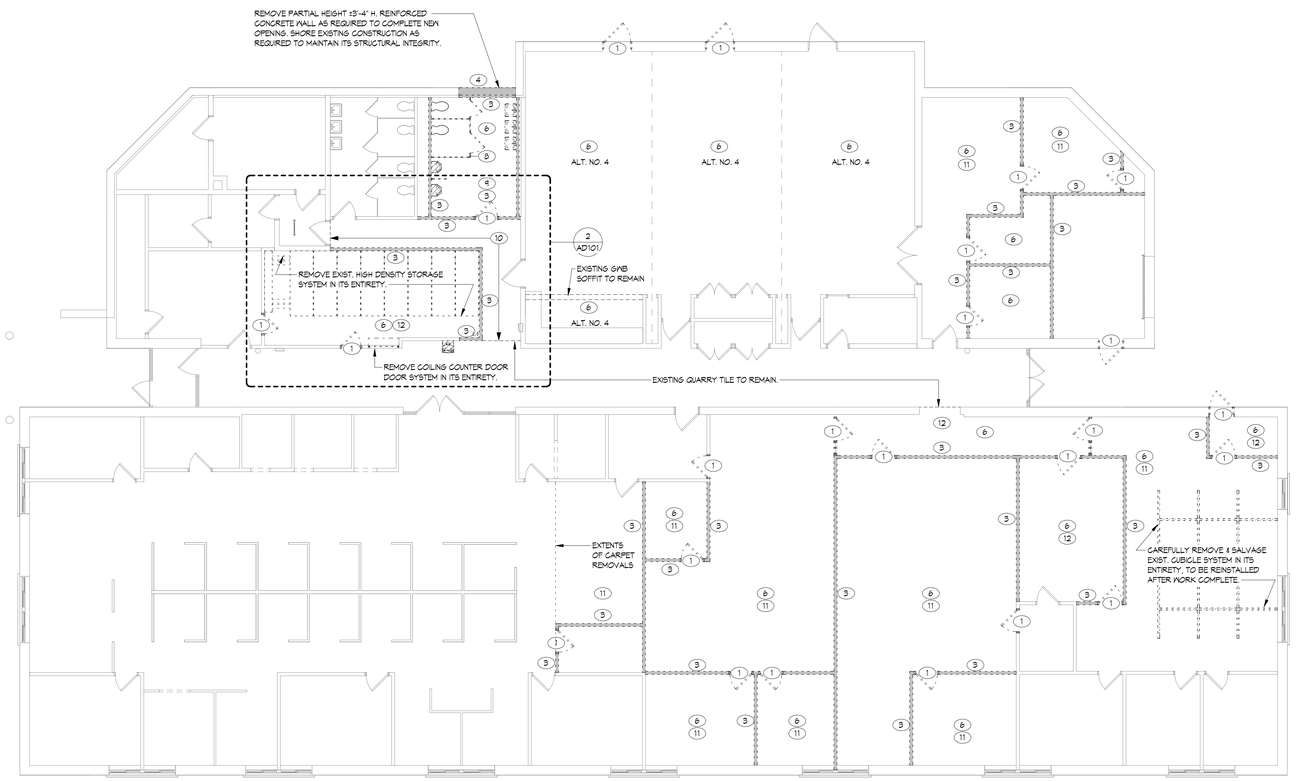
GENERAL REMOVAL NOTES:

1. PATCH ALL SURFACES DISTURBED BY REMOVALS TO MATCH ADJACENT CONSTRUCTION.
2. COORDINATE REMOVALS WITH OTHER TRADES.
3. REFER TO ROOF PLAN FOR ROOFING REMOVAL NOTES.

GENERAL CONTRACTOR SHALL SAWCUT & REMOVE FLOOR SLAB & VAPOR RETARDER. CONTRACTOR REQUIRING TRENCHING SHALL EXCAVATE TO DEPTH REQUIRED & LAY NEW PIPE OR CONDUIT IN APPROPRIATE BEDDING. GENERAL CONTRACTOR SHALL BACKFILL & COMPACT TO UNDERSIDE OF EXISTING SLAB, MAX. HEIGHT OF EACH LIFT 4 INCHES, 95% COMPACTION. GENERAL CONTRACTOR SHALL INSTALL VAPOR RETARDER & REPLACE FLOOR SLAB.

3 AD101 TRENCHING DETAIL

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



1 AD101 FIRST FLOOR REMOVALS PLAN

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

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ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

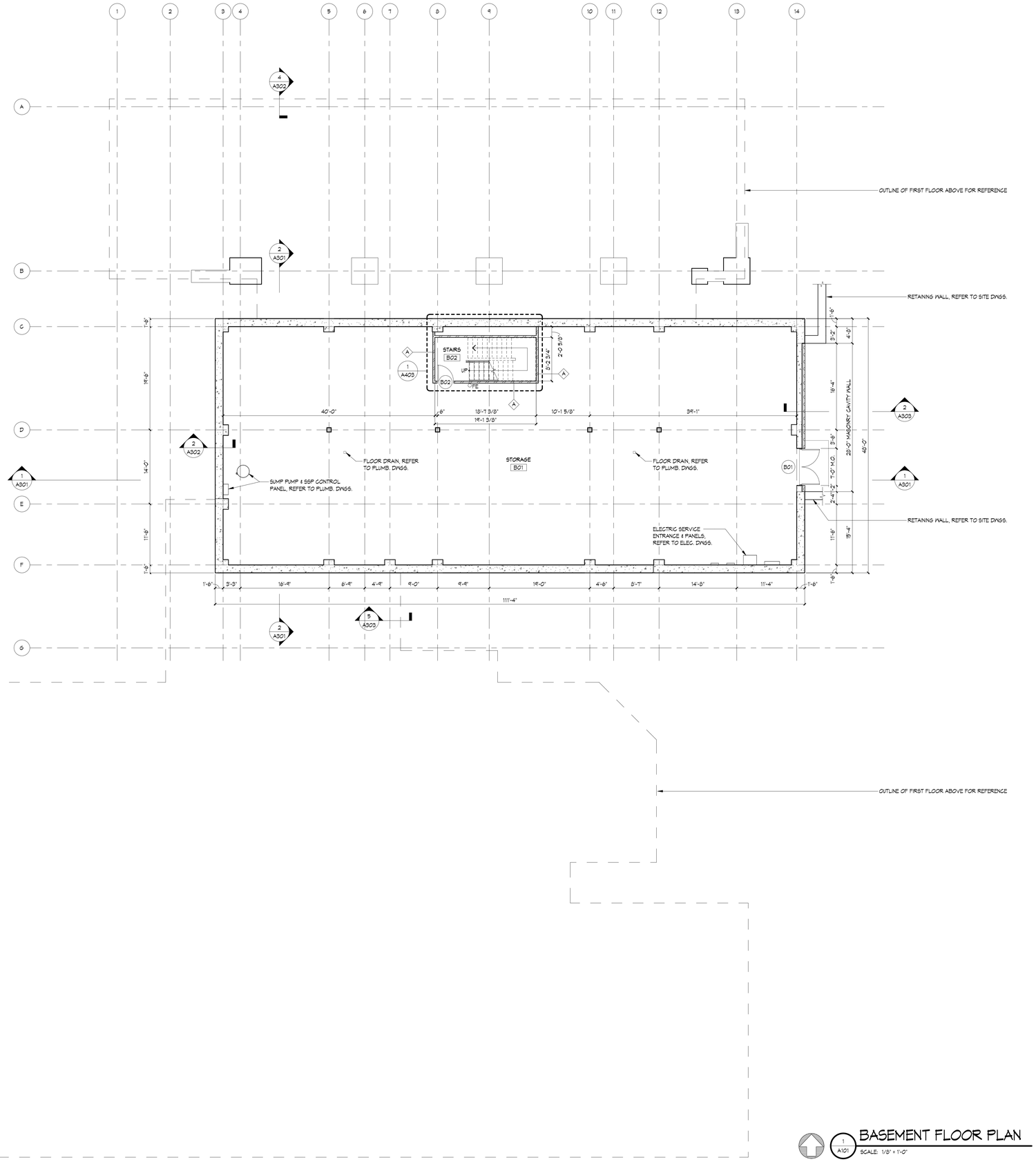
NO	DESCRIPTION	BY	DATE
B	ADDENDUM B	CJF	11/21/24

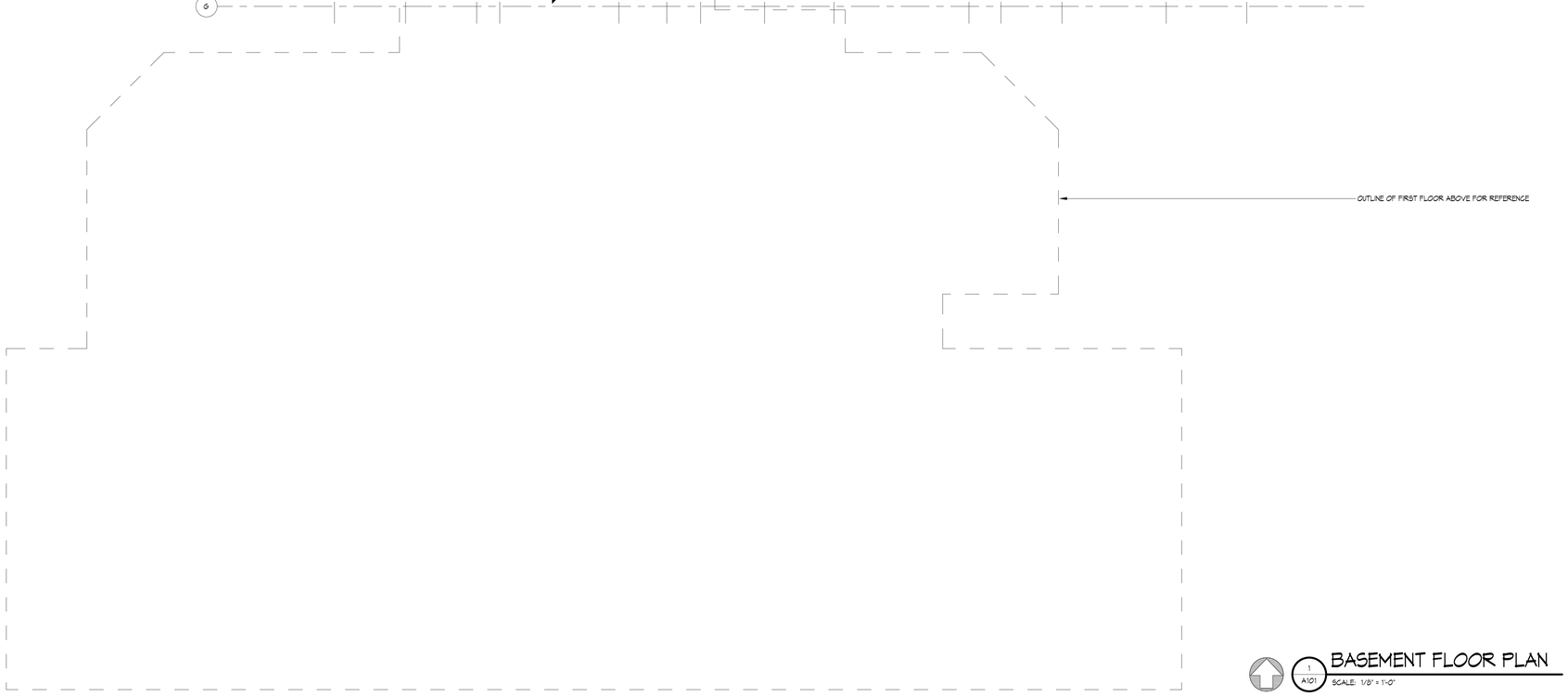
REVISIONS

DATE	MARCH 13, 2025
DRAWN BY	EKV/CJF
CHECKED BY	DDJ
SCALE	As indicated
PROJECT NO.	23036

DRAWING TITLE
REMOVALS PLAN

DRAWING NO.
AD101





1 A101 BASEMENT FLOOR PLAN

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

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CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
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NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	EKV/CJF
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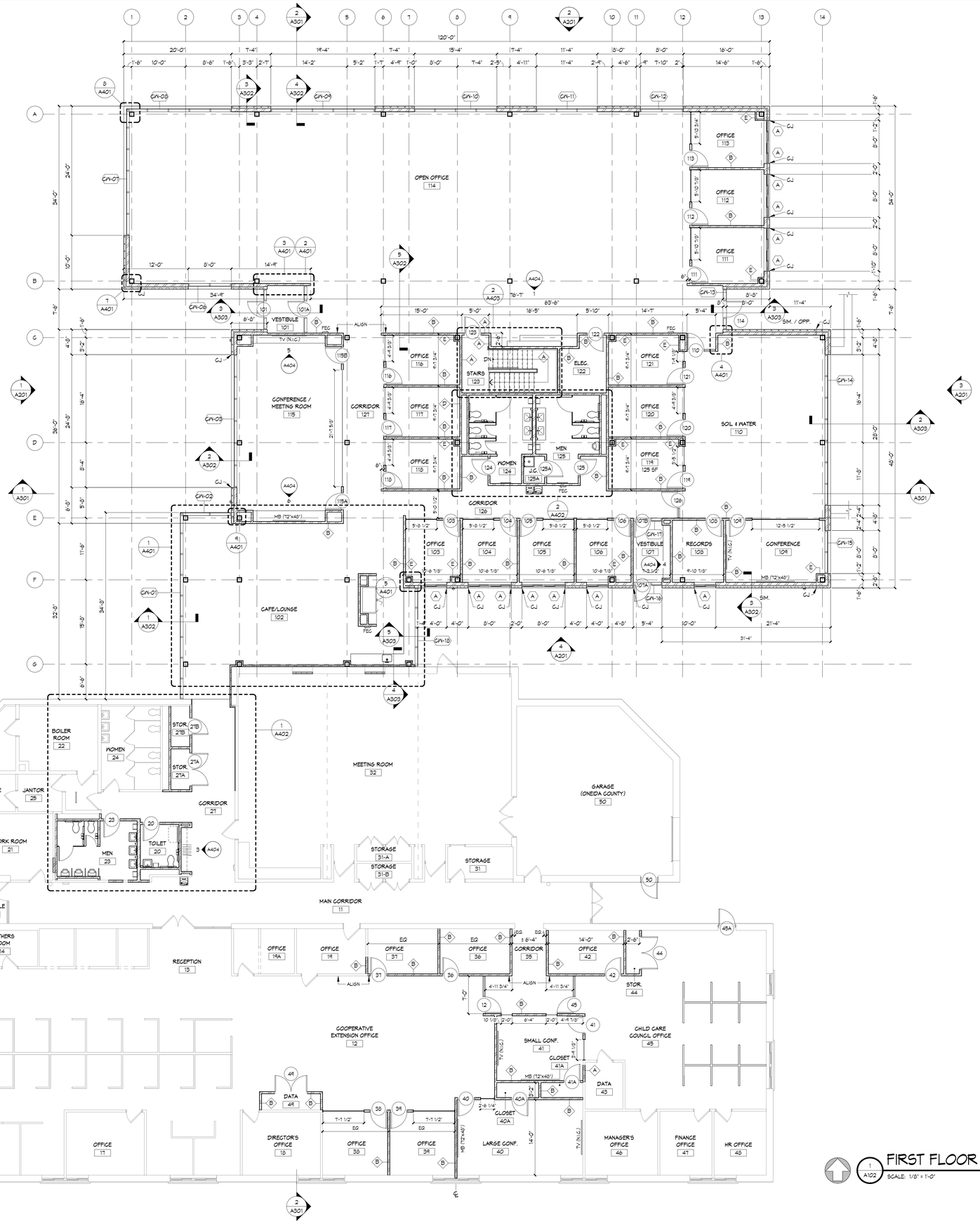
SCALE	1/8" = 1'-0"
PROJECT NO.	23036

DRAWING TITLE
BASEMENT FLOOR PLAN

DRAWING NO.
A101



1 A102 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

FLOOR PLAN LEGEND:

- DENOTES NEW GWB & METAL STUD PARTITION OR INFILL
- DENOTES NEW CMU PARTITION OR INFILL
- DENOTES EXISTING CONSTRUCTION TO REMAIN
- A — WALL TAG - DENOTES PARTITION TYPE, REFER TO A602
- 101 — DOOR TAG - DENOTES DOOR NUMBER, REFER TO A601
- A — WINDOW TAG - DENOTES WINDOW TYPE, REFER TO A601
- CW-01 — CURTAIN WALL TAG - DENOTES CURTAIN WALL, REFER TO A603
- 1 / A101 — DENOTES PLAN DETAIL NUMBER & SHEET NUMBER
- 1 / A101 — DENOTES SECTION DIRECTION, NUMBER & SHEET NUMBER
- 4 / A401 / 3 (SIM) — DENOTES INTERIOR ELEVATION & SHEET NUMBER
- MB — DENOTES MARKER BOARD, MOUNT 42" A.F.F.
- FEC / FE — DENOTES FIRE EXTINGUISHER AND/OR CABINET. NOT TO EXCEED 150 FEET APART IN CORRIDORS.

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ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

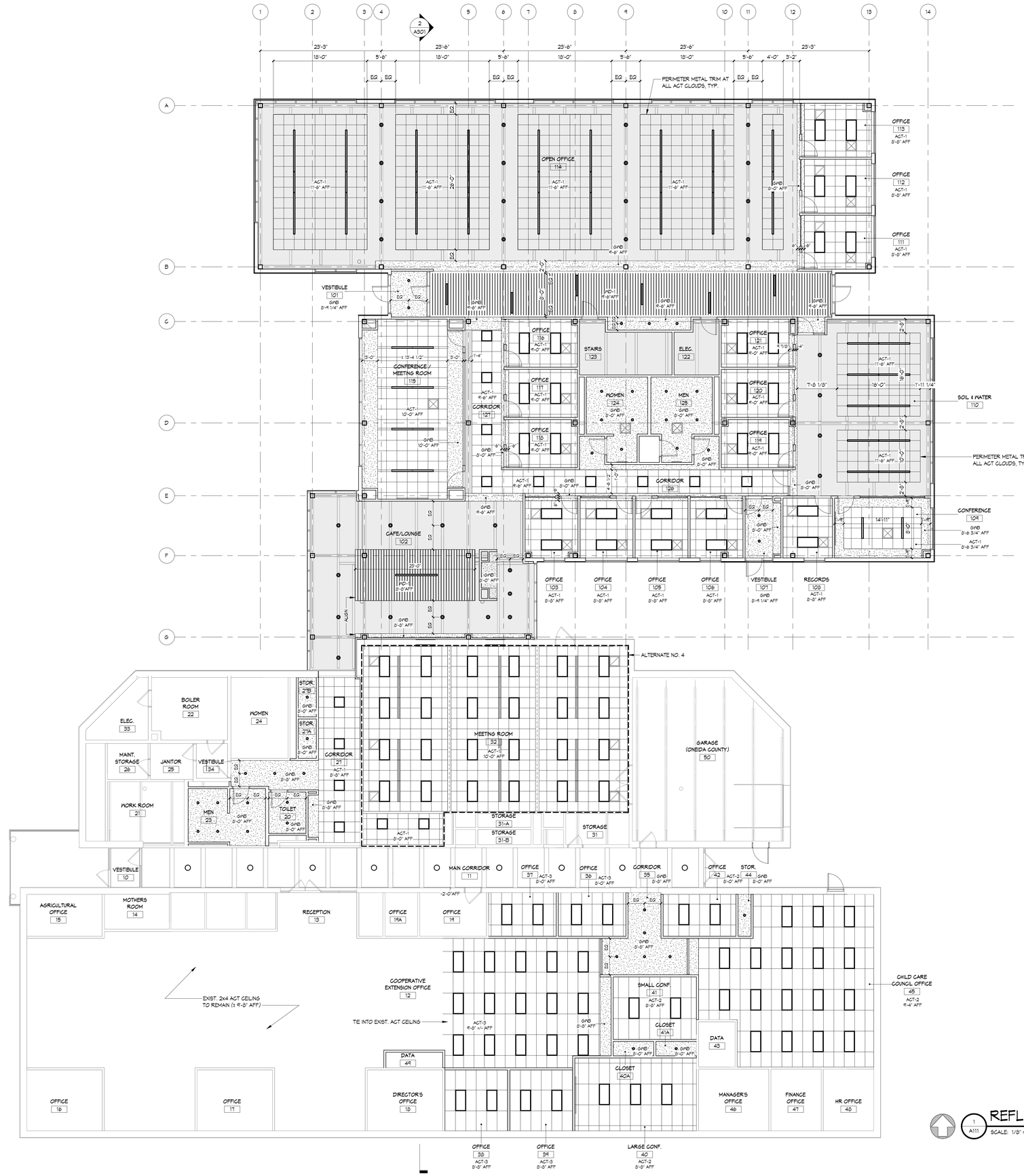
NO	DESCRIPTION	BY	DATE
1	ADDENDUM #1	CJF	11/07/24

REVISIONS

DATE	MARCH 13, 2025
DRAWN BY	EKV/CJF
CHECKED BY	DDJ
SCALE	1/8" = 1'-0"
PROJECT NO.	23036

DRAWING TITLE
FIRST FLOOR PLAN

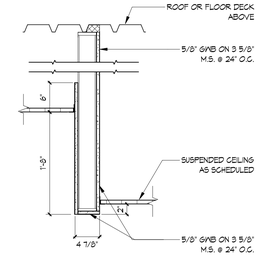
DRAWING NO.
A102



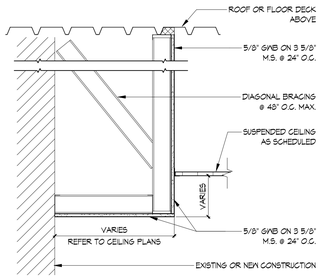
1 A111 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND:

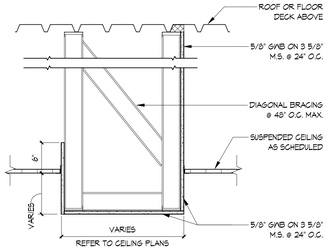
- LAY IN CEILING TILE 2 x 4 AND 2 x 2. CUT AS INDICATED ON PLANS
- SUSPENDED GWB CEILING OR SOFFIT
- PAINTED EXPOSED CEILING
- LINEAR WOOD GRILLE CEILING
- RETURN & SUPPLY GRILLE, REFER TO MECH. DRAWINGS
- LIGHT FIXTURES, REFER TO ELEC. DRAWINGS



2 A111 SOFFIT DETAIL
SCALE: 1" = 1'-0"



3 A111 SOFFIT DETAIL
SCALE: 1" = 1'-0"



4 A111 SOFFIT DETAIL
SCALE: 1" = 1'-0"

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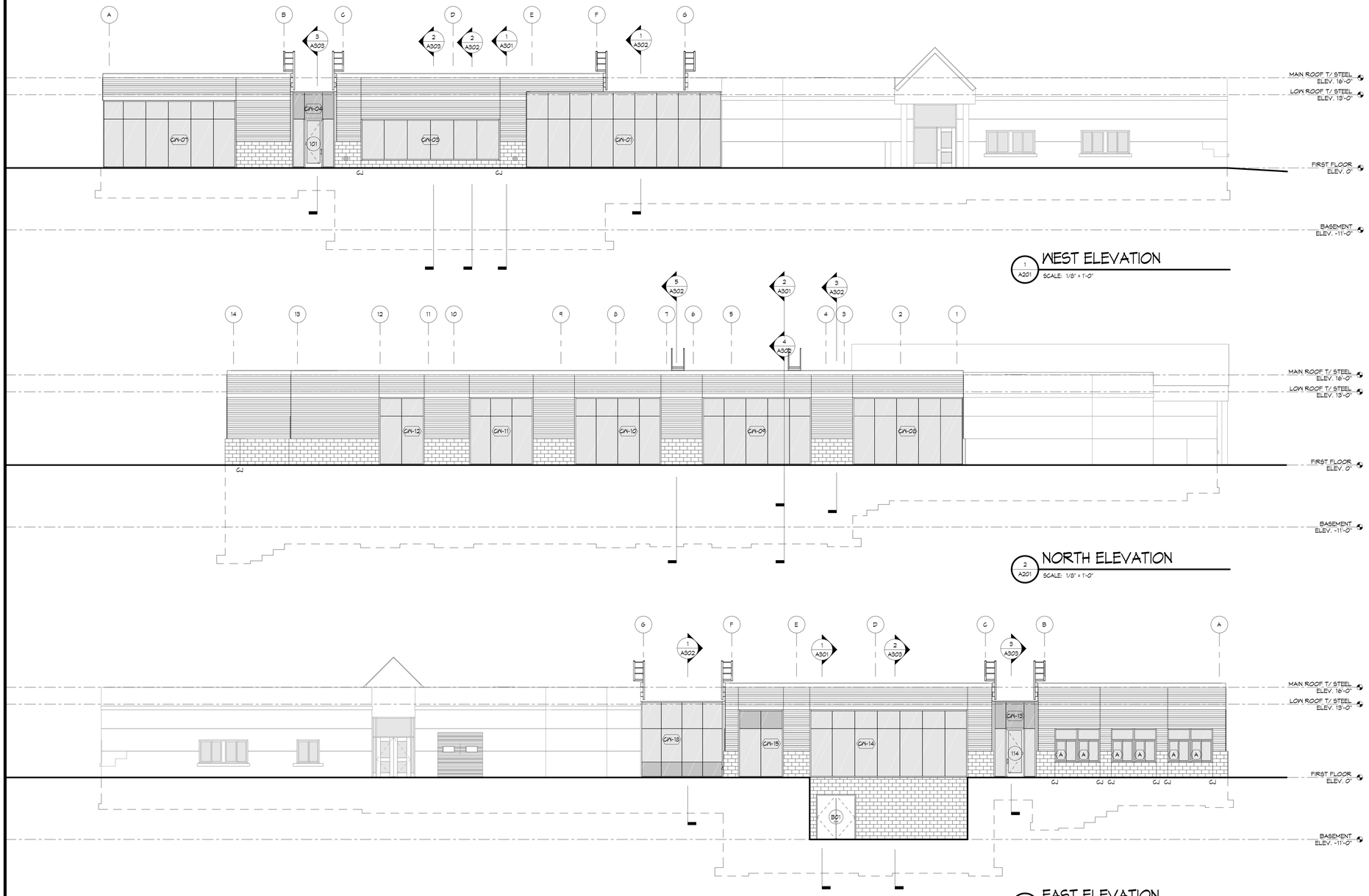
DRAWN BY	EKV/CJF
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

DRAWING TITLE
REFLECTED CEILING PLAN

DRAWING NO.
A111



1 A201 WEST ELEVATION

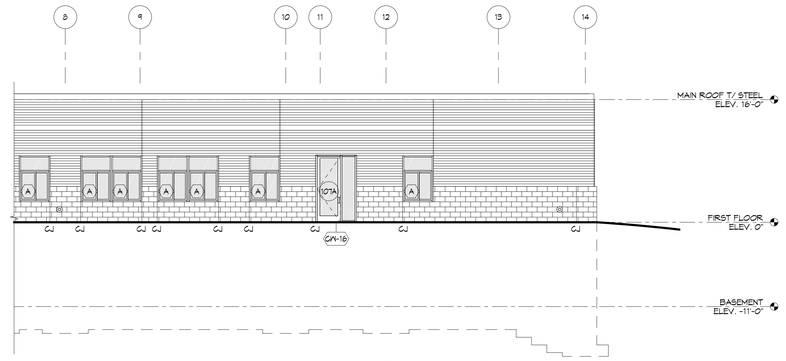
SCALE: 1/8" = 1'-0"

2 A201 NORTH ELEVATION

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

3 A201 EAST ELEVATION

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



4 A201 SOUTH ELEVATION

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

ELEVATION LEGEND:

- GLAZING
- CMU MASONRY WALL
- METAL WALL PANELS
- 100 — DOOR TAG - DENOTES DOOR NUMBER, REFER TO A601
- A — WINDOW TAG - DENOTES WINDOW TYPE, REFER TO A601
- CW-01 — CURTAIN WALL TAG - REFER TO A603

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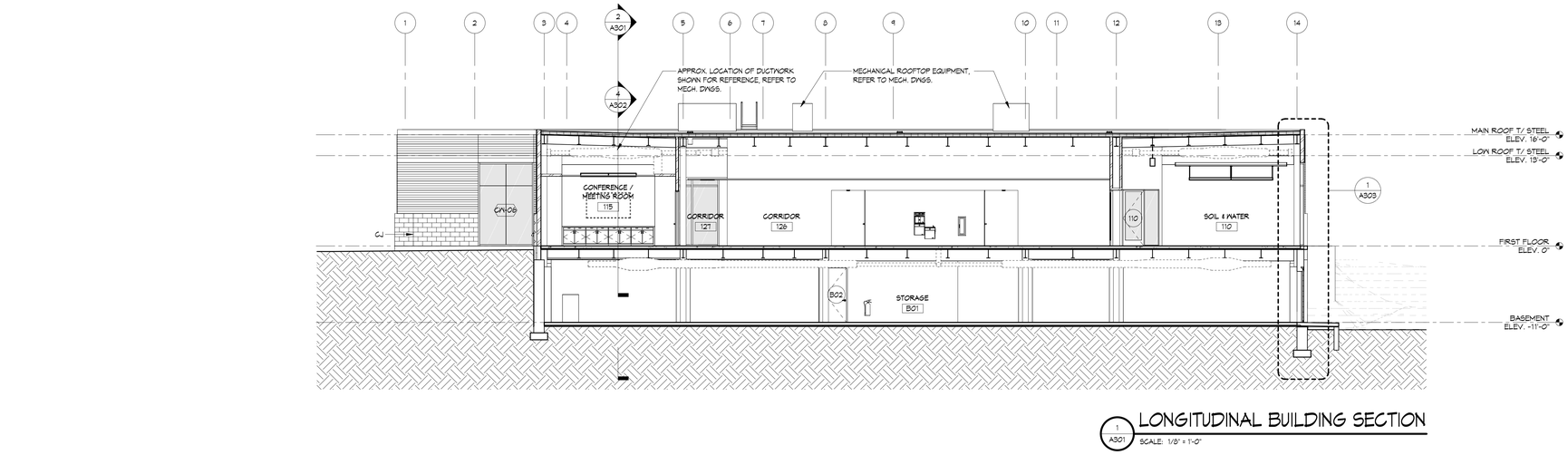
PROJECT NO.	23036

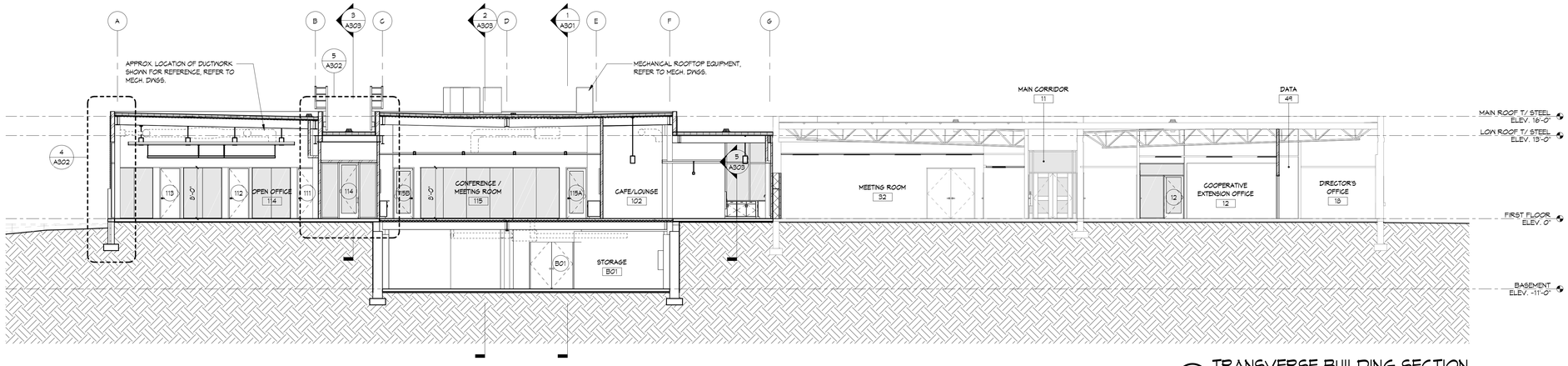
DRAWING TITLE
BUILDING ELEVATIONS

DRAWING NO.
A201



1 A301 LONGITUDINAL BUILDING SECTION

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



2 A301 TRANSVERSE BUILDING SECTION

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

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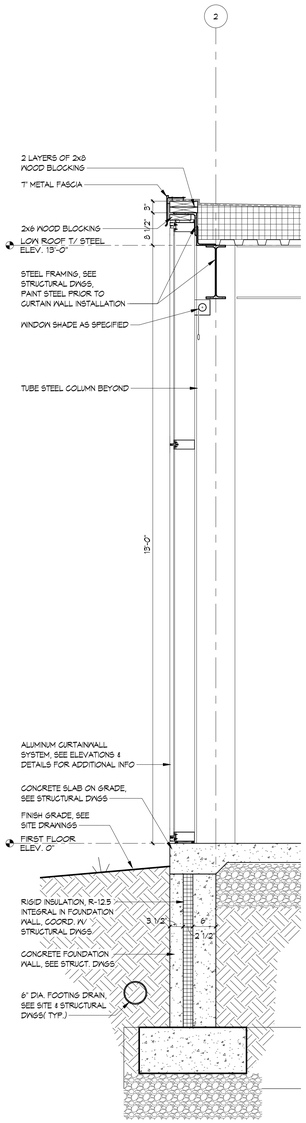
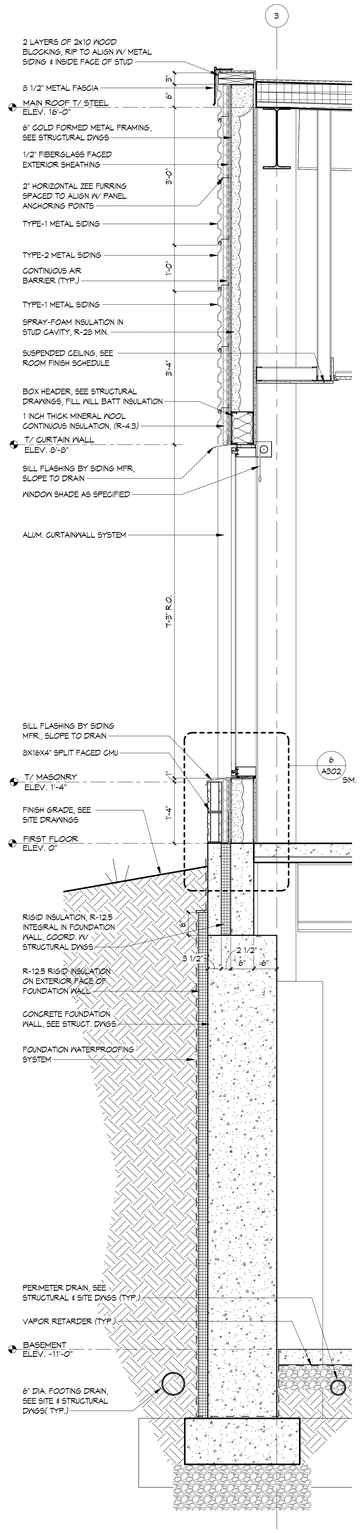
PROJECT NO.	23036

DRAWING TITLE
BUILDING SECTIONS

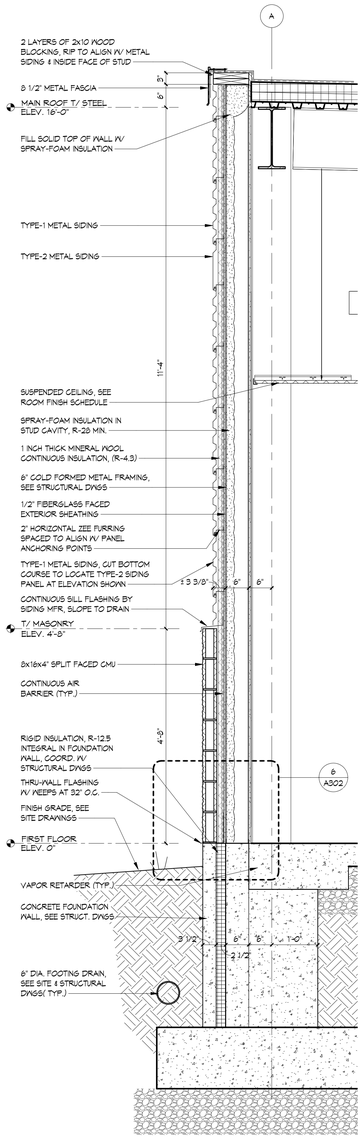
DRAWING NO.
A301



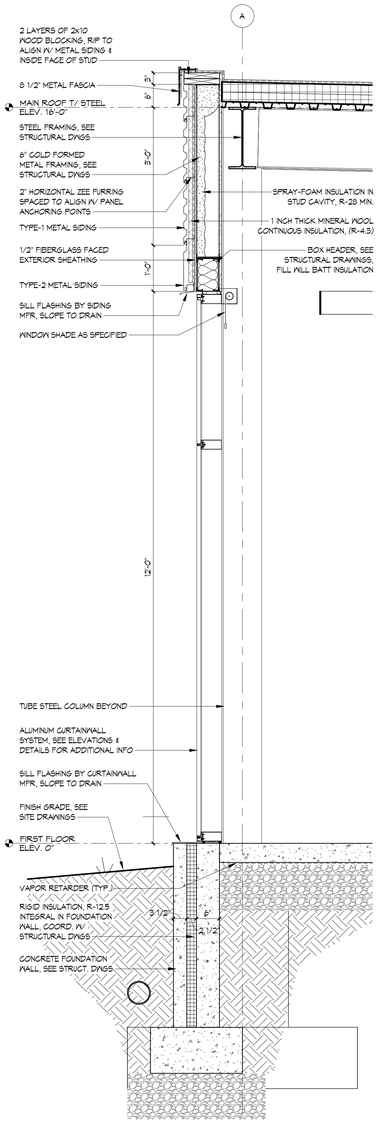
1 A302 WALL SECTION
SCALE: 3/4" = 1'-0"



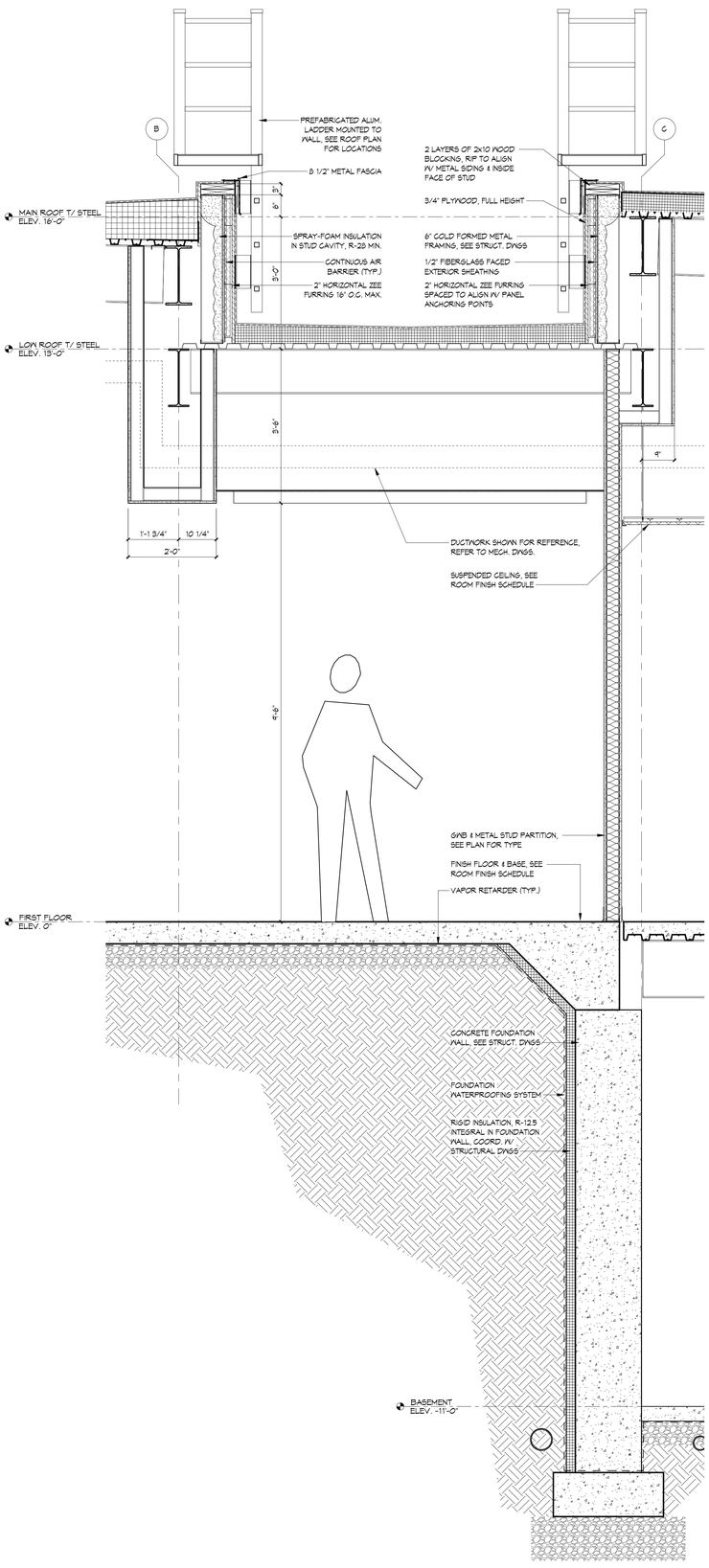
2 A302 WALL SECTION
SCALE: 3/4" = 1'-0"



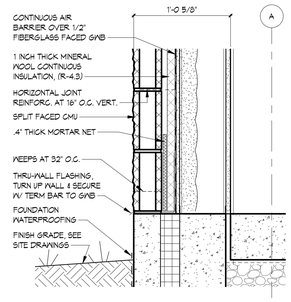
3 A302 WALL SECTION
SCALE: 3/4" = 1'-0"



4 A302 WALL SECTION
SCALE: 3/4" = 1'-0"



5 A302 WALL SECTION
SCALE: 3/4" = 1'-0"



6 A302 LARGE SCALE WALL SECTION
SCALE: 1 1/2" = 1'-0"

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STATE OF NEW YORK
VALID THROUGH 02/28/2026

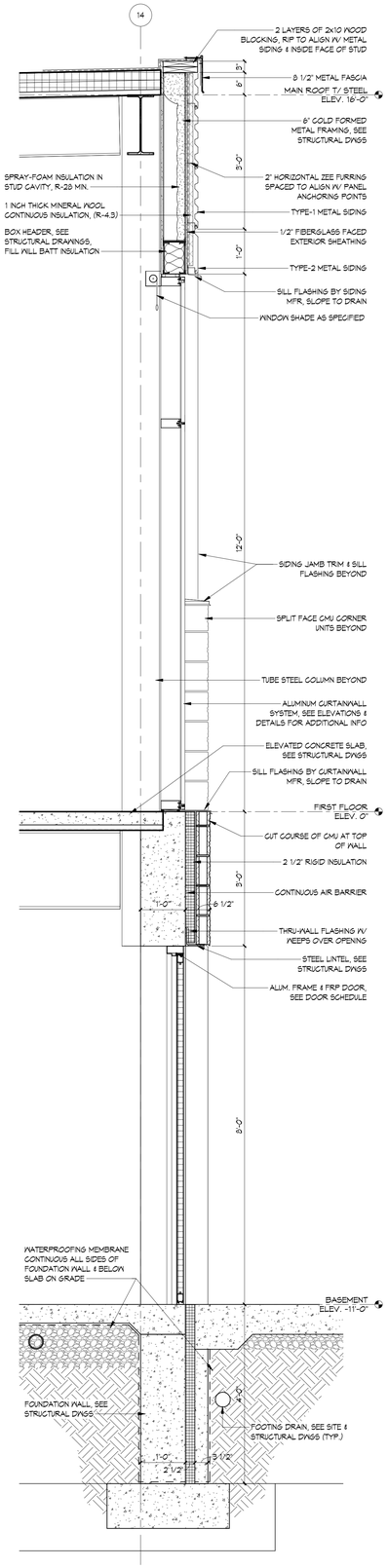
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

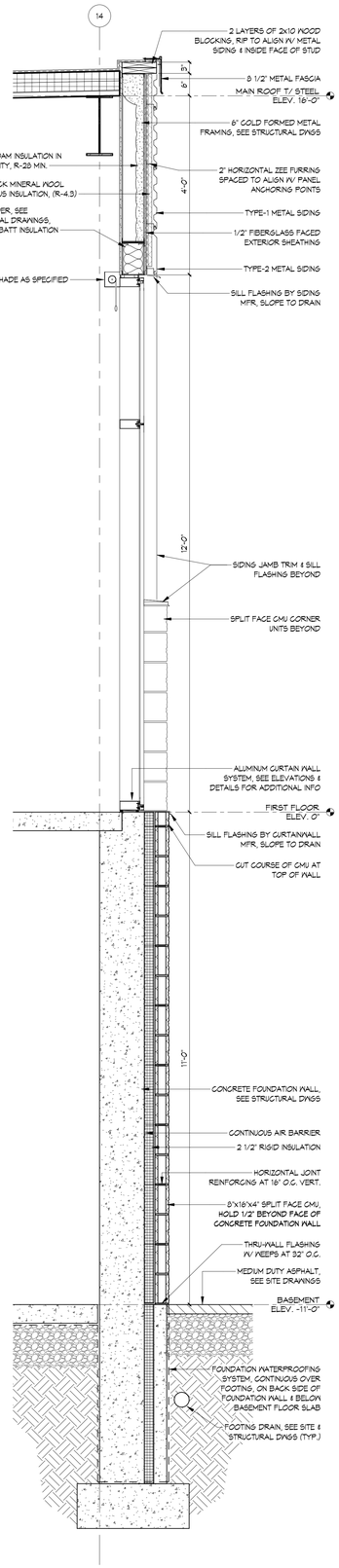
DATE	MARCH 13, 2025
DRAWN BY	EKV/CJF
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

DRAWING TITLE
WALL SECTIONS

DRAWING NO.
A302



1 A303 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A303 WALL SECTION
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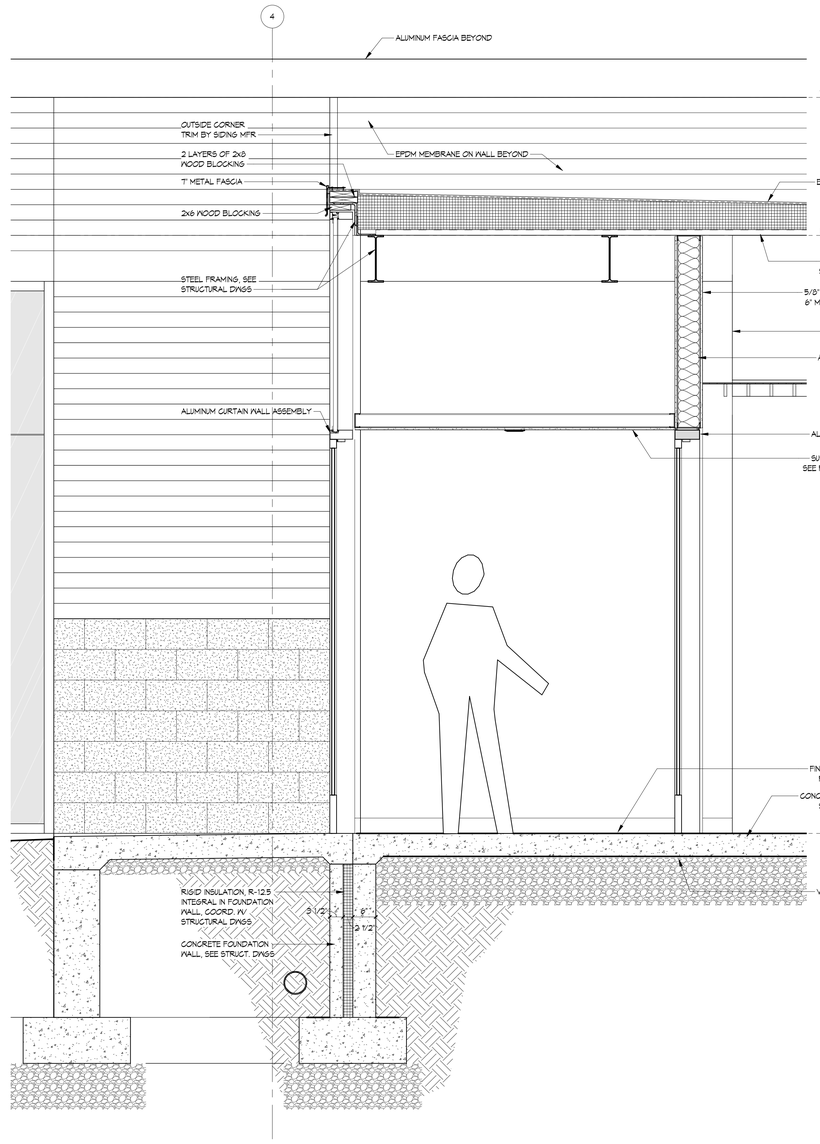
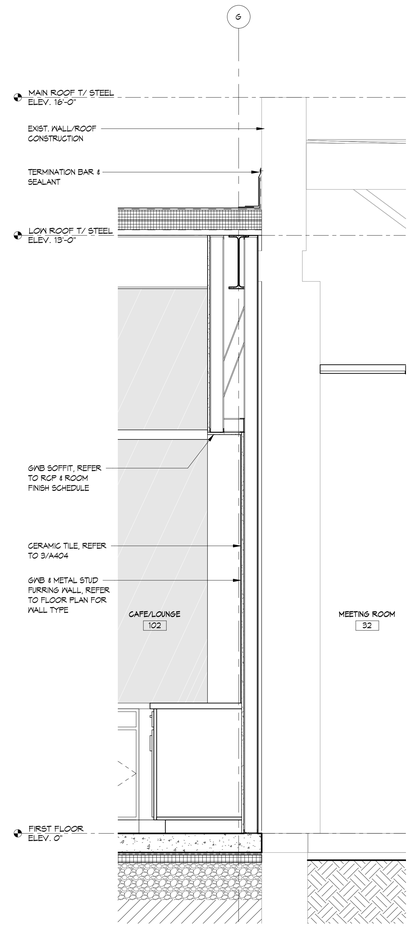
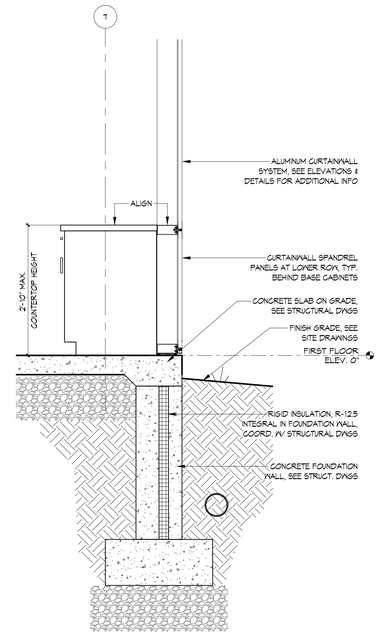


3 A303 WALL SECTION - VESTIBULE 101
SCALE: 3/4" = 1'-0"



4 A303 WALL SECTION - CAFE/LOUNGE
SCALE: 3/4" = 1'-0"



5 A303 WALL SECTION
SCALE: 3/4" = 1'-0"

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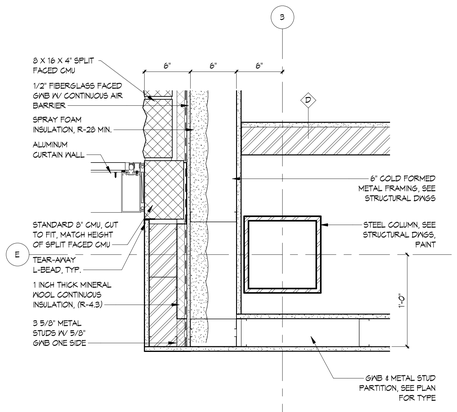
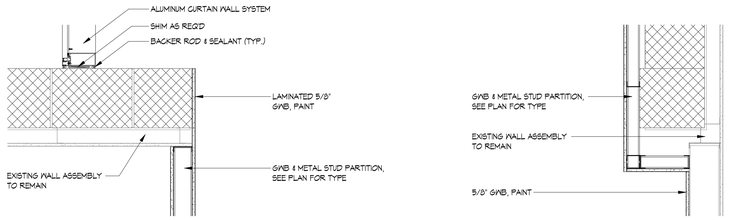
DRAWING TITLE
WALL SECTIONS

DRAWING NO.
A303



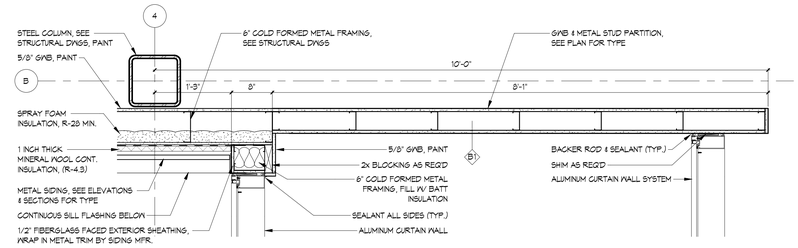
9 A401 PLAN DETAIL - SW CONFERENCE ROOM

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



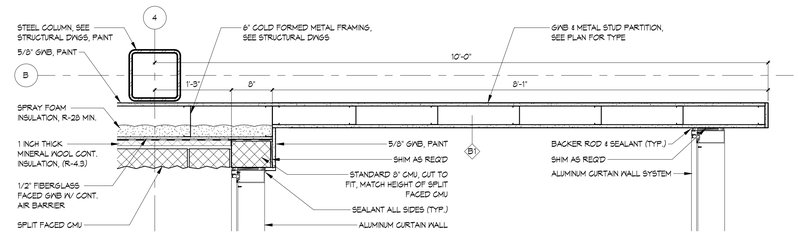
6 A401 PLAN DETAIL - EXPANSION JOINT

SCALE: 1" = 1'-0"



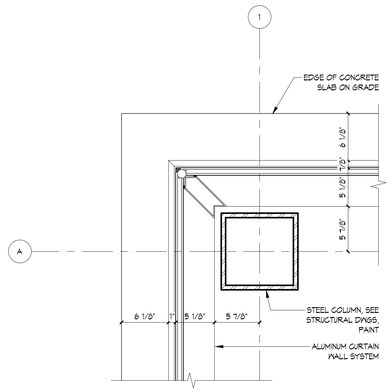
3 A401 PLAN DETAIL - VESTIBULE 101 THRU SIDING

SCALE: 1" = 1'-0"



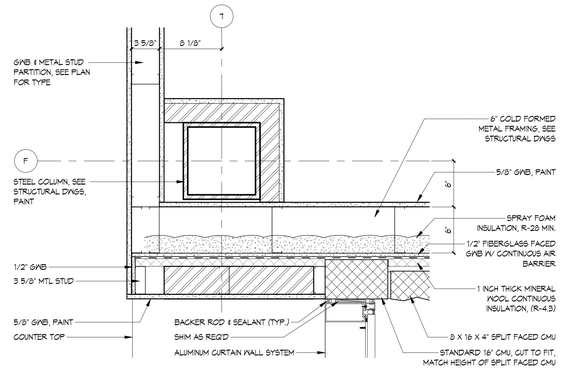
2 A401 PLAN DETAIL - VESTIBULE 101 THRU CMU

SCALE: 1" = 1'-0"



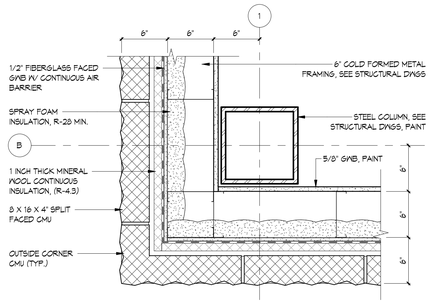
8 A401 PLAN DETAIL - NW OPEN OFFICE

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



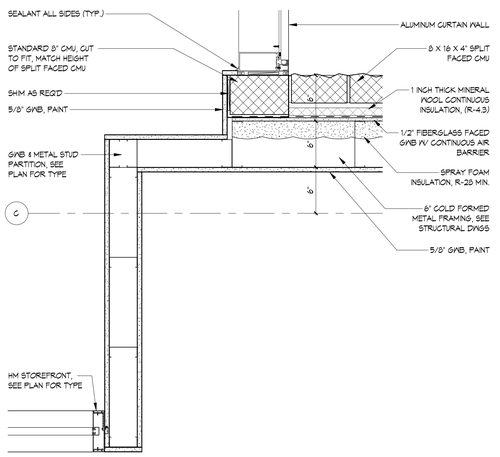
5 A401 PLAN DETAIL - EAST CAFE/LOUNGE

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



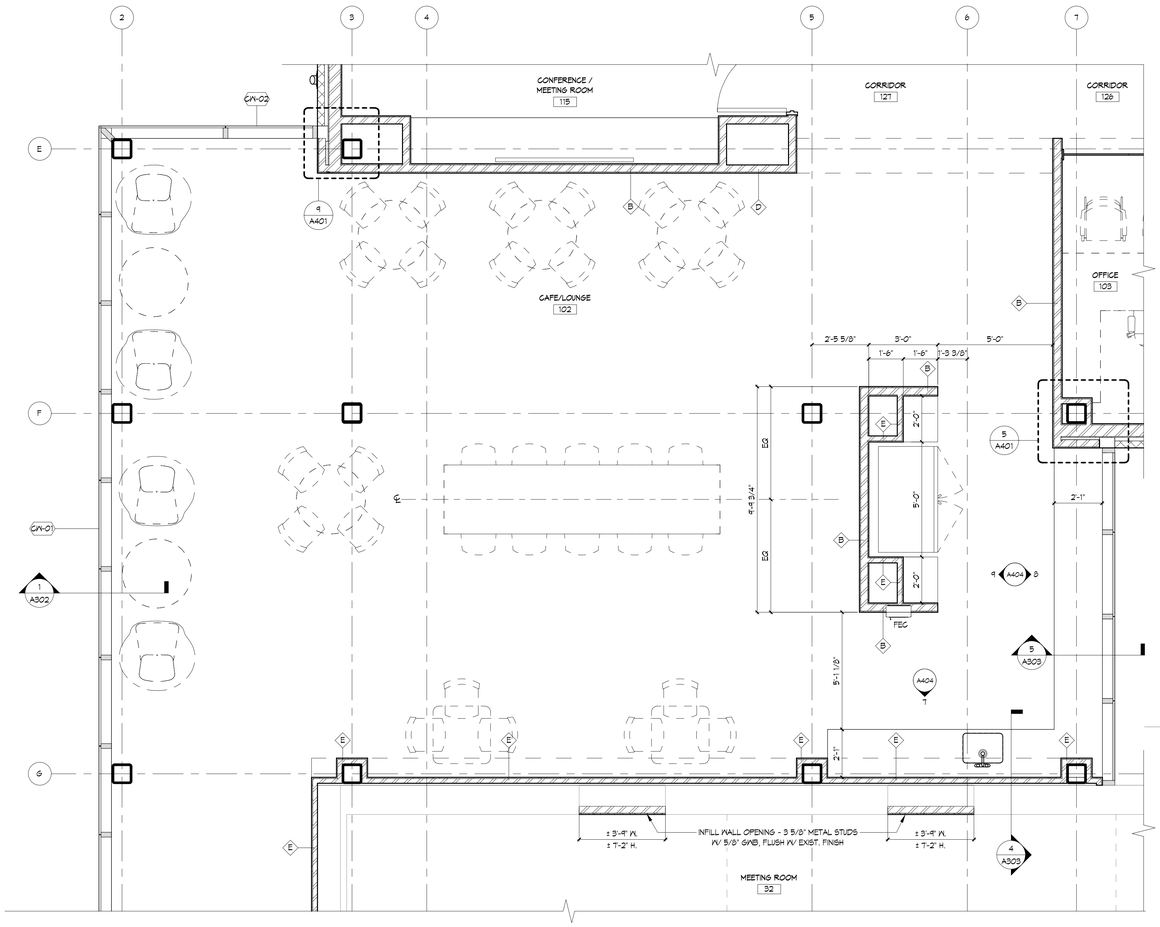
7 A401 PLAN DETAIL - SW OPEN OFFICE

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



4 A401 PLAN DETAIL - SOIL & WATER

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



1 A401 ENLARGED FLOOR PLAN - CAFE/LOUNGE

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

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STATE OF NEW YORK
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ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
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121 SECOND STREET, ORISKANY, NY 13424

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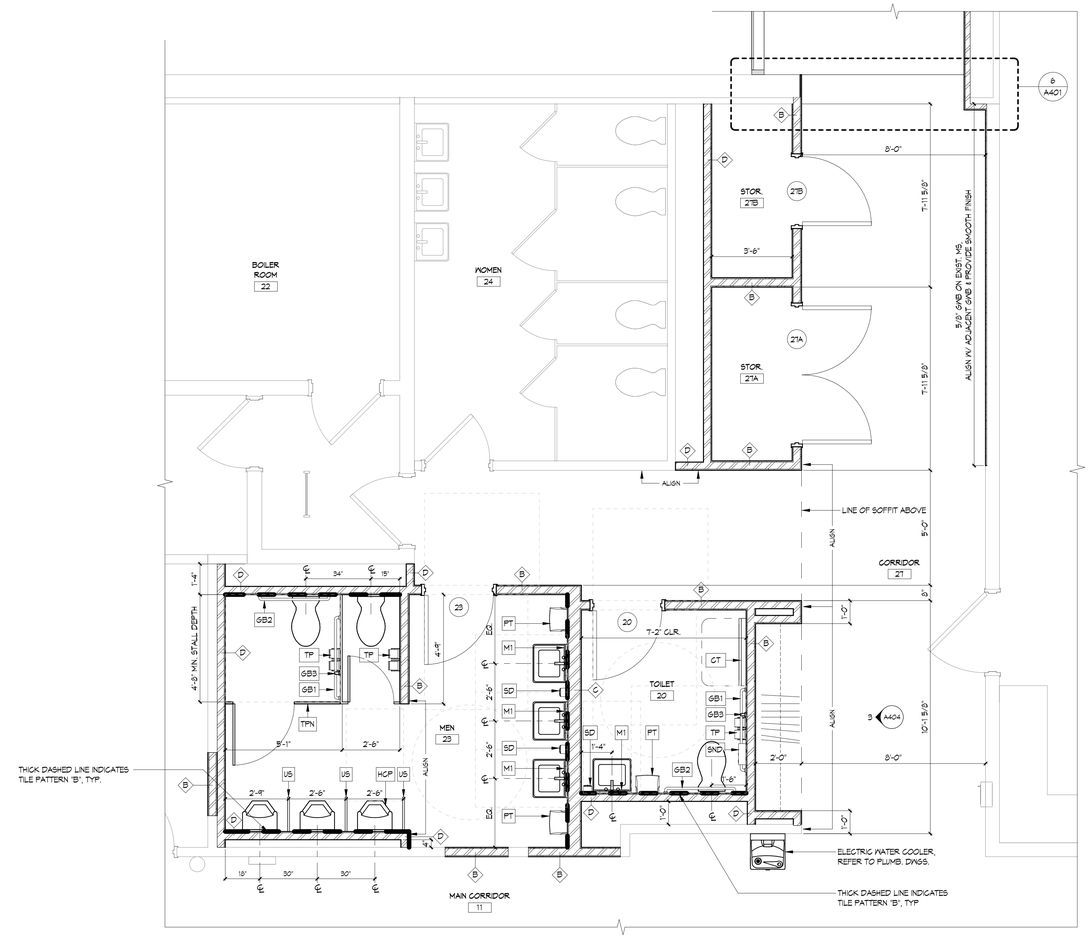
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

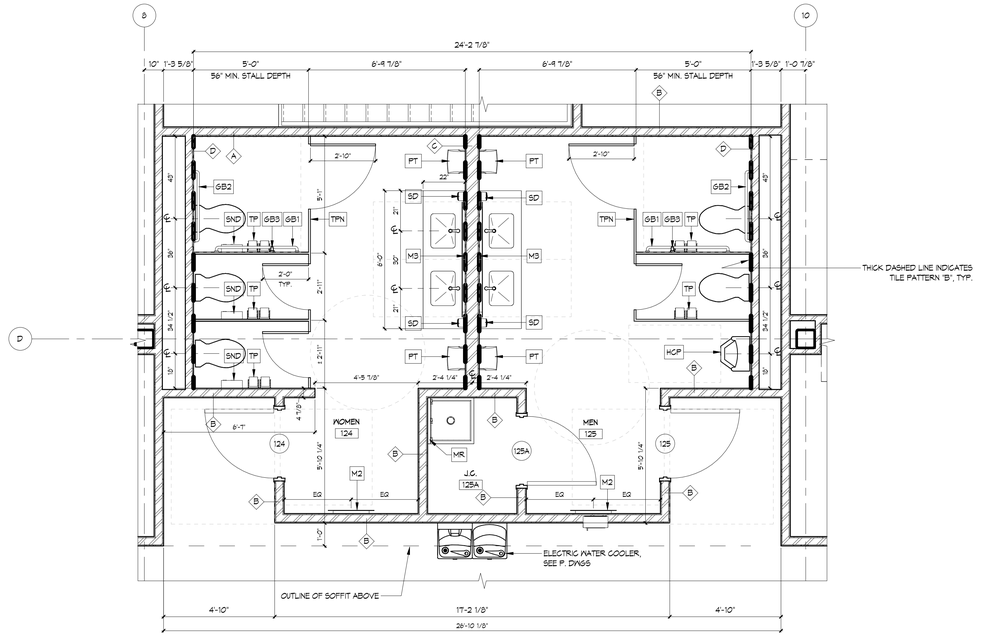
DRAWING TITLE
ENLARGED PLANS & DETAILS

DRAWING NO.
A401



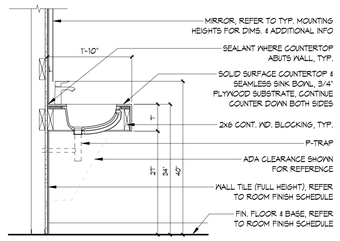
1 A402 ENLARGED TOILET ROOM PLAN (EXIST. BLDG)

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



2 A402 ENLARGED TOILET ROOM PLAN (ADDITION)

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

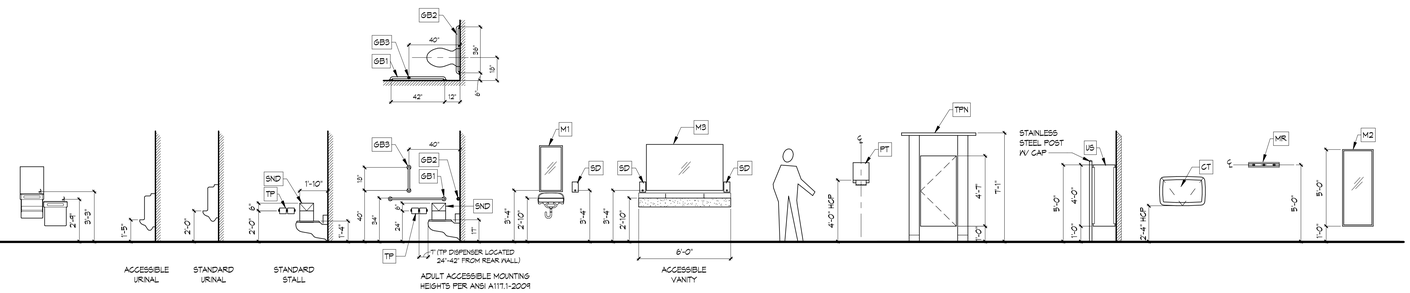


4 A402 TOILET RM. VANITY SECTION

SCALE: 3/4" = 1'-0"

ABBREVIATIONS:

HCP	HANDICAPPED ACCESSIBLE
TP	TOILET PAPER DISPENSER
PT	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
M1	MIRROR - 18" x 36"
M2	MIRROR - 24" x 60"
M3	MIRROR - 60" x 36"
GB1	GRAB BAR - 42"
GB2	GRAB BAR - 36"
GB3	GRAB BAR - 18"
SND	SANITARY NAPKIN DISPOSAL UNIT
MR	MOP RACK
TPN	TOILET PARTITION
US	URINAL SCREEN
CT	CHANGING TABLE
EWC	ELECTRIC WATER COOLER



3 A402 TYP. MOUNTING HEIGHTS

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

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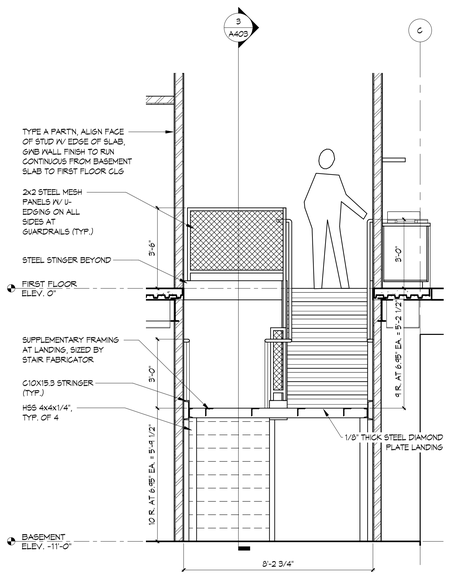
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	25036

DRAWING TITLE

ENLARGED PLANS & DETAILS

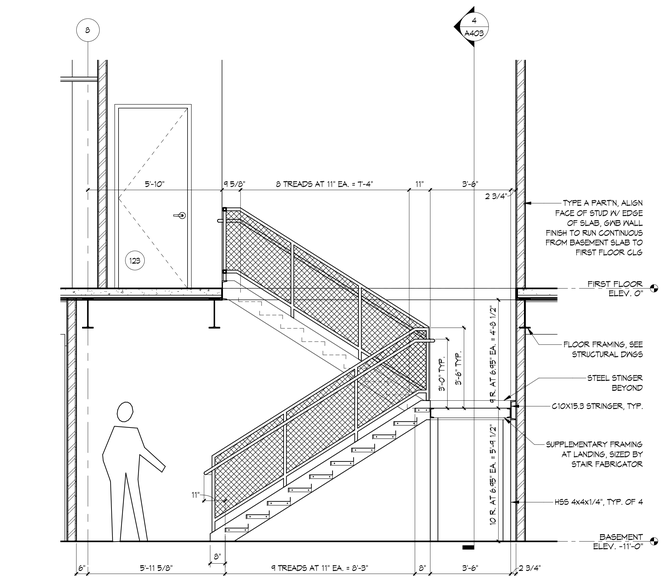
DRAWING NO.

A402



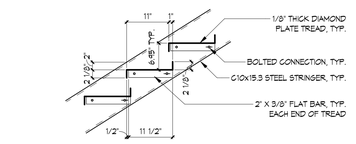
4/A403 STAIR SECTION LOOKING WEST

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



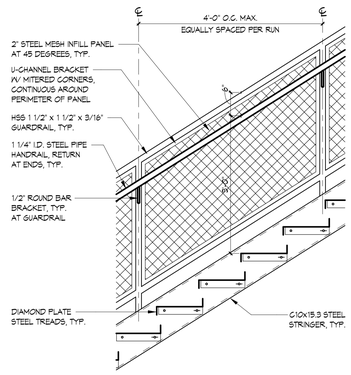
3/A403 STAIR SECTION LOOKING NORTH

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



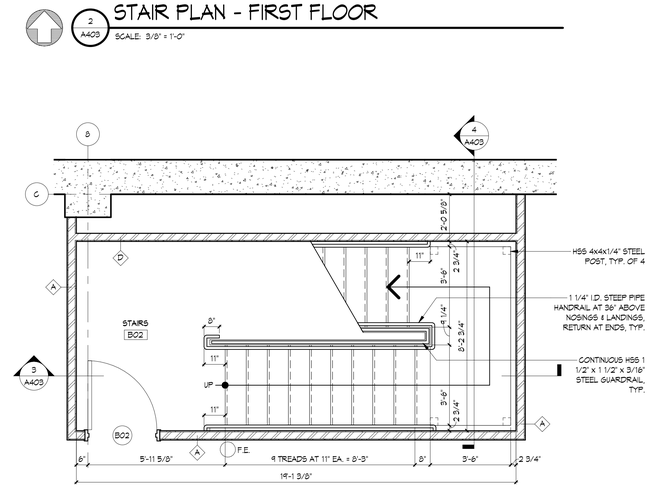
5/A403 STAIR DETAIL

SCALE: 3/4" = 1'-0"



6/A403 STAIR RAILING DETAIL

SCALE: 3/4" = 1'-0"



2/A403 STAIR PLAN - FIRST FLOOR

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

1/A403 STAIR PLAN - BASEMENT

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

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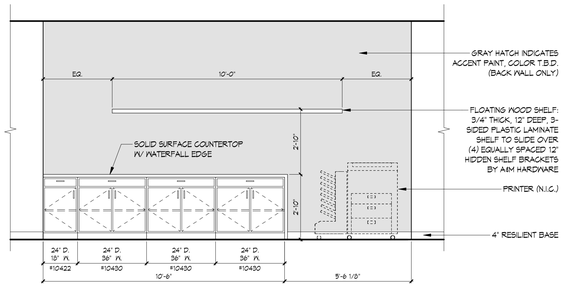
CHECKED BY	DDJ
SCALE	As indicated
PROJECT NO.	23036

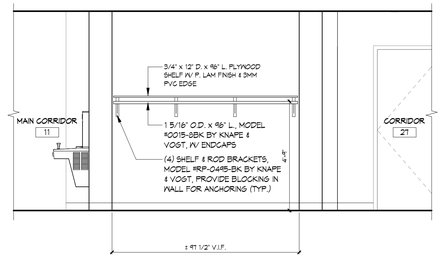
DRAWING TITLE
STAIR PLANS, SECTIONS & DETAILS

DRAWING NO.
A403



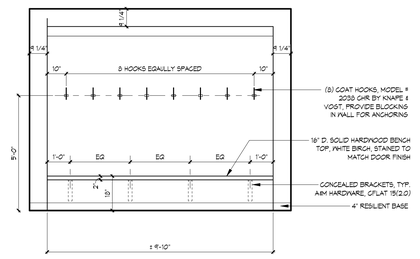
1 A404 OPEN OFFICE SUPPLY NOOK

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



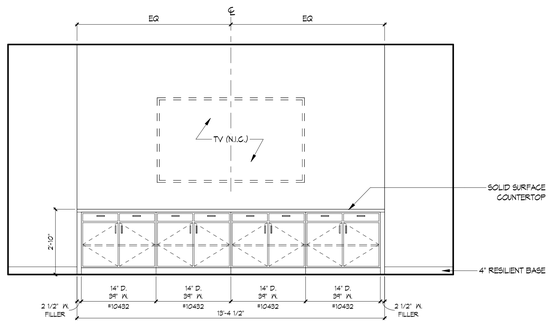
3 A404 CORRIDOR 27

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



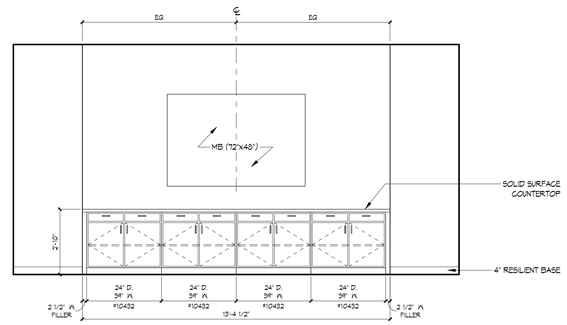
4 A404 VESTIBULE 108 (SOIL & WATER)

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



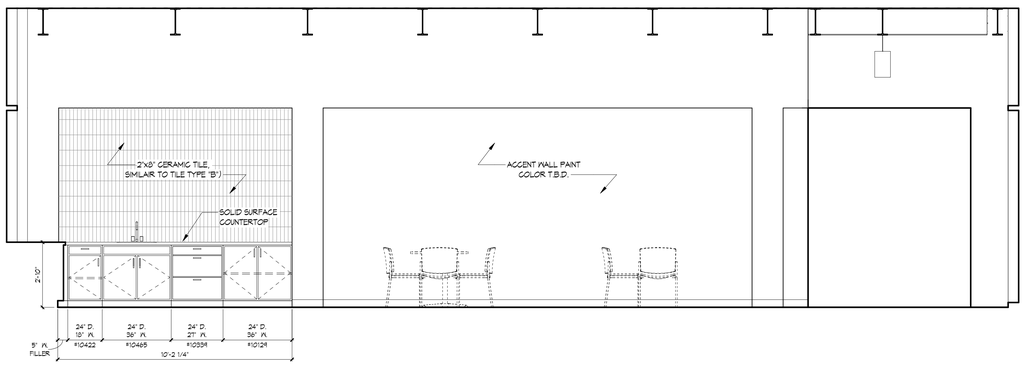
5 A404 CONFERENCE ROOM 115 - NORTH WALL

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



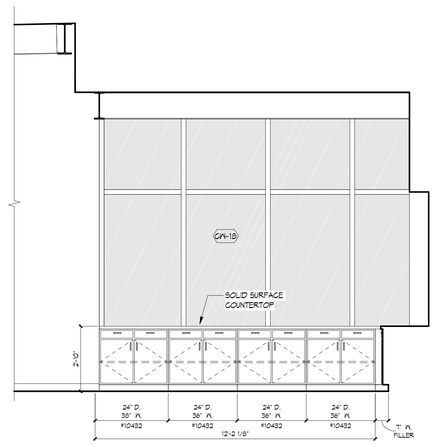
6 A404 CONFERENCE ROOM 115 - SOUTH WALL

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



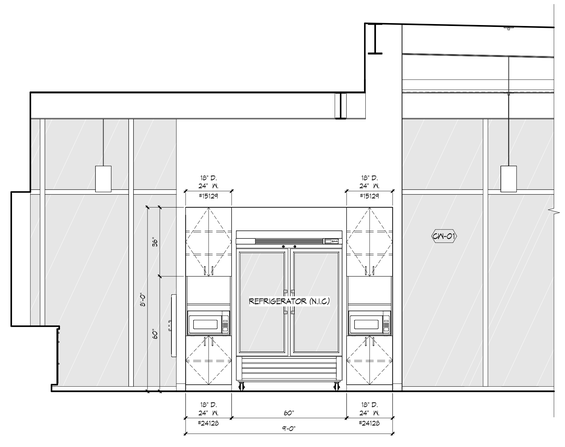
7 A404 SOUTH CAFE/LOUNGE

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



8 A404 EAST CAFE/LOUNGE

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



9 A404 WEST CAFE/LOUNGE

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

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INTERIOR ELEVATIONS

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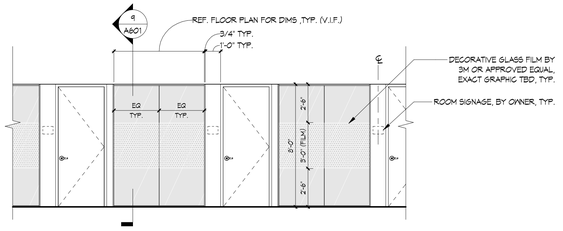
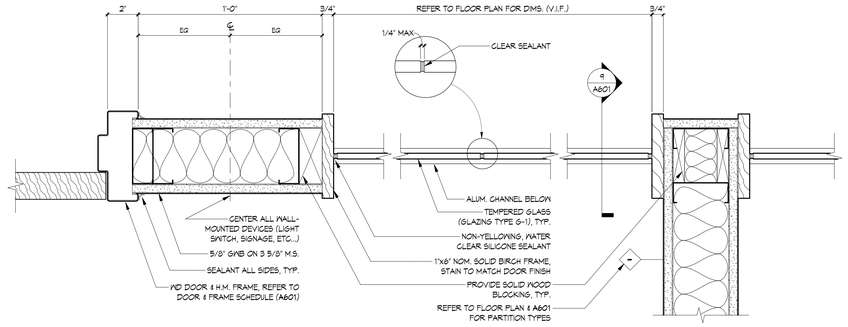
A404



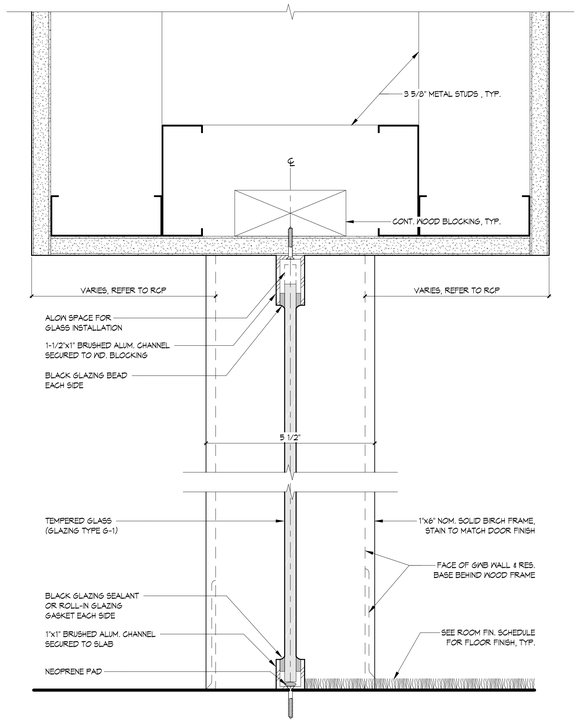
10 A601 TYP. GLASS PARTITION - ELEVATION

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



7 A601 TYP. GLASS PARTITION - PLAN DETAIL

SCALE: 3" = 1'-0"



9 A601 TYP. GLASS PARTITION - SECTION

SCALE: 6" = 1'-0"

DOOR AND FRAME SCHEDULE

SCHEDULE ABBREVIATIONS: MAT = MATERIAL; FIN = FINISH; E. OR EX. = EXISTING TO REMAIN; PR = PAIR OF DOORS.
MATERIAL & FINISH ABBREVIATIONS:
ALUM = ALUMINUM; HM = HOLLOW METAL; STL = STEEL; FRP = FIBERGLASS REINFORCED POLYESTER
AP = ARMOR PLATE; MP = MOP PLATE; UC = UNDERCUT; S = SMOKE CONTROL
FACT = FACTORY FINISH; PT = PAINTED; WD = WOOD

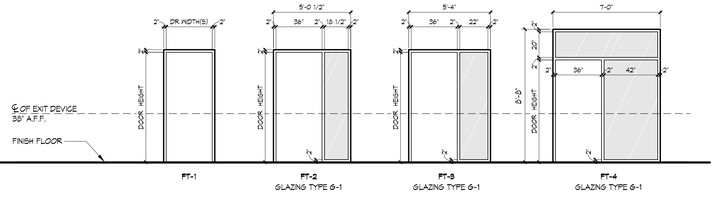
DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MAT	DOOR FIN	FRAME TYPE	FRAME MAT	FRAME FIN	HEAD	JAMB	HDW SET NO.	LABEL (MIN.)	SILL	REMARKS	DOOR NO.
BASEMENT														
B01	PR 3'-4" x 7'-10"	F	FRP	FACT	FT-1	ALUM	FACT	AH 1	AJ 1	D	-	ALUM		B01
B02	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	2	60	-		B02
FIRST FLOOR														
12	3'-0" x 6'-8"	FG	WD	FACT	FT-4	HM	PT	H1	J1	6	-	-		12
20	3'-0" x 7'-0"	F	WD	FACT	FT-1	HM	PT	H1	J1	3	-	-		20
23	3'-0" x 7'-0"	F	WD	FACT	FT-1	HM	PT	H1	J1	2	-	-		23
27A	PR 3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	5	-	-		27A
27B	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	4	-	-		27B
36	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		36
37	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		37
38	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		38
39	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		39
40	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		40
40A	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	7	-	-		40A
41	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		41
41A	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	7	-	-		41A
42	3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		42
44	PR 3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	5	-	-		44
45	3'-0" x 6'-8"	FG	WD	FACT	FT-4	HM	PT	H1	J1	6	-	-		45
45A	3'-0" x 7'-2"	F	FRP	FACT	FT-1	ALUM	FACT	AH1 SIM.	AJ1 SIM.	C	-	ALUM		45A
44	PR 3'-0" x 6'-8"	F	WD	FACT	FT-1	HM	PT	H1	J1	5	-	-		44
50	3'-0" x 7'-0"	F	FRP	FACT	FT-1	FRP	FACT	AH1 SIM.	AJ1 SIM.	E	45	ALUM	FIELD VERIFY EXISTING M.O. DIMENSIONS	50
101	3'-0" x 8'-6 3/4"	FG	ALUM	FACT	GN-04	ALUM	FACT	3/A303	3/A303 SIM.	A	-	ALUM		101
101A	3'-0" x 8'-6 3/4"	FG	ALUM	FACT	GN-05	ALUM	FACT	3/A303	3/A303 SIM.	B	-	ALUM		101A
103	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		103
104	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		104
105	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		105
106	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		106
107A	3'-0" x 8'-6 3/4"	FG	ALUM	FACT	GN-16	ALUM	FACT	3/A303 SIM.	3/A303 SIM.	A	-	ALUM		107A
107B	3'-0" x 8'-6 3/4"	FG	ALUM	FACT	GN-17	ALUM	FACT	3/A303 SIM.	3/A303 SIM.	B	-	ALUM		107B
108	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	7	-	-		108
109	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		109
110	3'-0" x 7'-10"	FG	WD	FACT	FT-3	HM	PT	H1	J1	6	-	-		110
111	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		111
112	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		112
113	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		113
114	3'-0" x 8'-6 3/4"	FG	ALUM	FACT	GN-13	ALUM	FACT	3/A303	3/A303 SIM.	A	-	ALUM		114
115A	3'-0" x 7'-10"	FG	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		115A
115B	3'-0" x 7'-10"	FG	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		115B
116	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		116
117	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		117
118	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		118
119	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		119
120	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		120
121	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	1	-	-		121
122	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	4	-	-		122
123	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	2	60	-		123
124	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	2	-	-		124
125	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	2	-	-		125
125A	3'-0" x 7'-10"	F	WD	FACT	FT-1	HM	PT	H1	J1	4	-	-		125A
126	3'-0" x 7'-10"	FG	WD	FACT	FT-2	HM	PT	H1	J1	6	-	-		126

1 A601 DOOR TYPES

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

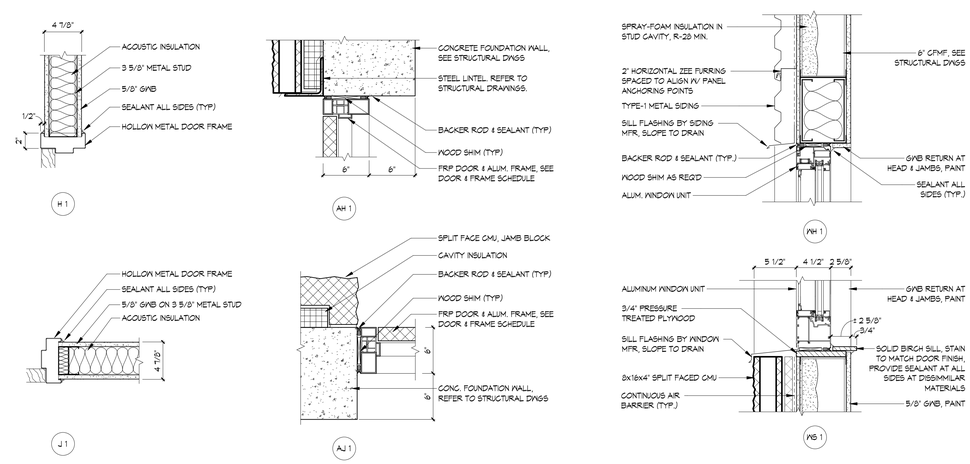
4 A601 WINDOW TYPES

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



2 A601 FRAME TYPES

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



3 A601 DOOR HEAD & JAMB DETAILS

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

5 A601 WINDOW DETAILS

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

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REGISTERED ARCHITECT DAVID DANIEL JANOWSKI 036964 STATE OF NEW YORK
VALID THROUGH 02/28/2026

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
B	ADDENDUM B	CJF	11/27/24
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	EKV/CJF
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

DRAWING TITLE
DOOR & WINDOW TYPES & DETAILS

DRAWING NO.
A601

ROOM FINISH SCHEDULE

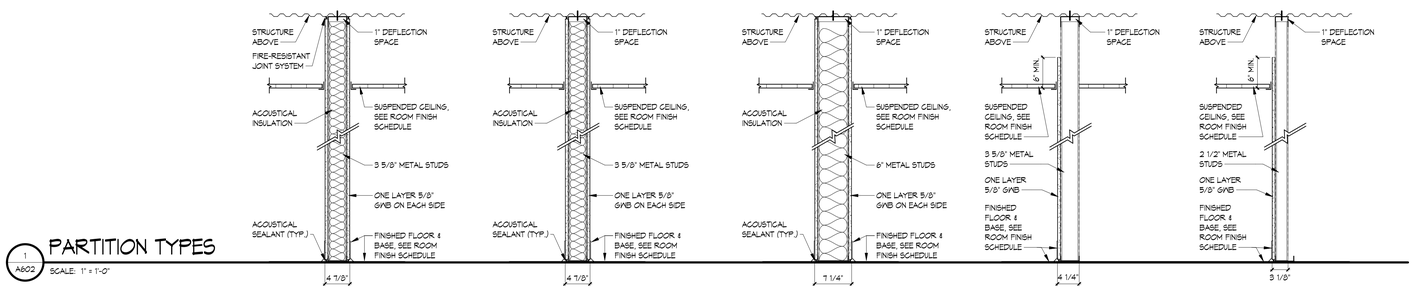
SCHEDULE ABBREVIATIONS: MAT = MATERIAL; FIN = FINISH; E. OR EX. = EXISTING TO REMAIN.
MATERIAL & FINISH ABBREVIATIONS:

CONC	= CONCRETE	SDT	= STATIC DISSIPATIVE TILE	WD	= WOOD	CT	= CERAMIC TILE	ACT	= ACOUSTICAL CEILING TILE
VCT	= VINY COMPOSITION TILE	CARP	= CARPET	RES	= RESILIENT	PCT	= PORCELAIN TILE	CU	= CAST UNDERLAYMENT
GWB	= GYPSUM WALL BOARD	PT	= PAINT	EXP	= EXPOSED	POL	= POLISHED CONCRETE	SDT	= STATIC DISSIPATIVE TILE

ROOM NO.	ROOM NAME	FLOOR		BASE	NORTH WALL		SOUTH WALL		EAST WALL		WEST WALL		CEILING			REMARKS	ROOM NO.
		MAT	FIN	MAT	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	HT		
BASEMENT																	
B01	STORAGE	CONC	SEAL	-	CONC	-	CONC	-	CONC	-	CONC	-	EXP	-	-		B01
B02	STAIRS	CONC	SEAL	RES	GWB	PT	GWB	PT	GWB	PT	GWB	PT	EXP	-	-		B02
FIRST FLOOR																	
11	MAIN CORRIDOR	E. CONC	E. QT	E. QT	E.CONC/E.GWB/GWB	PT	E. CONC	PT	E. GL	-	E. GL	-	E.GWB/EACT	PT/FACT	VARIES		11
12	COOPERATIVE EXTENSION OFFICE	E. CONC	CARP-1	RES	E.GWB/E.GL/GWB	PT/-/PT	E. CONC/GWB/GL	PT/PT/-	E. GWB/GWB/GL	PT/PT/-	E. CONC/E. GWB	PT	ACT	FACT	9'-8"		12
19	OFFICE	E. CONC	E. CARP	RES	E.CONC	PT	E. GWB	PT	E. GWB/GWB	PT	E. GWB	PT	E. ACT	FACT	9'-4"		19
20	TOILET	E. CONC	PCT	PCT	GWB	PT	GWB	CT	GWB	PT	GWB	PT	GWB	PT	8'-0"	SEE ENLARGED PLANS FOR FINISH INFO	20
21	WORK ROOM	E. CONC	E. CARP	RES	E.GWB	PT	E. GWB	PT	E. GWB/GWB	PT	E. GWB	PT	ACT	FACT	9'-4"		21
23	MEN	E. CONC	PCT	PCT	GWB	CT / PT	GWB	CT / PT	GWB	CT	GWB	PT	GWB	PT	8'-0"	SEE ENLARGED PLANS FOR FINISH INFO	23
27	CORRIDOR	CU	POL	RES	E.CONC/GWB	PT	GWB	PT	E. GWB	PT	GWB	PT	GWB/ACT	PT/FACT	8'-8"		27
27A	STOR.	CU	POL	RES	GWB	PT	GWB	PT	GWB	PT	GWB	PT	ACT	FACT	8'-0"		27A
27B	STOR.	CU	POL	RES	E.GWB	PT	GWB	PT	GWB	PT	GWB	PT	ACT	FACT	8'-0"		27B
32	MEETING ROOM	-	-	RES	E.GWB	PT	-	-	-	-	-	-	ACT	FACT	10'-0"/8'-0"	8'-0" AT KITCHENETTE	32
35	CORRIDOR	E. CONC	CARP-3	RES	E.CONC/GWB	PT	GWB	PT	GWB/GL	PT/-	GWB/GL	PT/-	GWB	PT	8'-8"		35
36	OFFICE	E. CONC	CARP-1	RES	E.CONC	PT	GWB	PT	GWB	PT	GWB	PT	ACT	FACT	8'-0"		36
37	OFFICE	E. CONC	CARP-1	RES	E.CONC	PT	GWB	PT	GWB	PT	E. GWB/GWB	PT	ACT	FACT	8'-0"		37
38	OFFICE	E. CONC	CARP-1	RES	GWB/GL	PT/-	E. GWB	PT	GWB	PT	E. GWB	PT	ACT	FACT	8'-8"		38
39	OFFICE	E. CONC	CARP-1	RES	GWB/GL	PT/-	E. GWB	PT	GWB	PT	GWB	PT	ACT	FACT	8'-8"		39
40	LARGE CONF.	E. CONC	CARP-1	RES	GWB/GL	PT/-	E. GWB	PT	E. GWB	PT	GWB	PT	ACT	FACT	8'-8"		40
40A	CLOSET	E. CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	8'-0"		40A
41	SMALL CONF.	E. CONC	CARP-1	RES	GWB	PT	GWB	PT	E. GWB/GWB	PT	GWB	PT	ACT	FACT	8'-8"		41
41A	CLOSET	E. CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	8'-0"		41A
42	OFFICE	E. CONC	CARP-1	RES	E.CONC	PT	GWB	PT	GWB	PT	GWB	PT	ACT	FACT	8'-0"		42
43	DATA	E. CONC	CARP-1	RES	GWB	PT	E. GWB	PT	GWB	PT	E. GWB/GWB	PT	ACT	FACT	9'-0"		43
44	STOR.	E. CONC	CARP-1	RES	E.CONC	PT	GWB	PT	GWB	PT	GWB	PT	GWB	FACT	8'-0"		44
45	CHILD CARE COUNCIL OFFICE	E. CONC	CARP-1	RES	E.CONC/E.GWB	PT	E. GWB/GWB	PT	E. CONC/E. GWB	PT	GWB	PT	ACT	FACT	9'-4"		45
48	DATA	E. CONC	CARP-1	RES	GWB	PT	E. GWB	PT	GWB	PT	GWB	PT	ACT	FACT	9'-0"		48
50	GARAGE (ONEIDA COUNTY)	E. CONC	SEAL	RES	E.GWB	PT	E. GWB	PT	E. GWB	PT	E. CONC	PT	ACT	FACT	11'-4"		50
101	VESTIBULE	CONC	CARP-3	RES	CONC	-	CONC	-	GL	-	GL	-	GWB	PT	8'-9 1/4"		101
102	CAFE/LOUNGE	CONC	POL	WD	GWB/GL	PT/-	E. CONC/GWB	PT	GWB/GL	PT/-	GL	-	EXP/GWB/ACT	PT/FACT	VARIES		102
103	OFFICE	CONC	CARP-1	RES	GL	-	GWB/GL	PT/-	GWB	PT	GWB	PT	ACT	FACT	8'-8"		103
104	OFFICE	CONC	CARP-1	RES	GL	-	GWB/GL	PT/-	GWB	PT	GWB	PT	ACT	FACT	8'-8"		104
105	OFFICE	CONC	CARP-1	RES	GL	-	GWB/GL	PT/-	GWB	PT	GWB	PT	ACT	FACT	8'-8"		105
106	OFFICE	CONC	CARP-1	RES	GL	-	GWB/GL	PT/-	GWB	PT	GWB	PT	ACT	FACT	8'-8"		106
107	VESTIBULE	CONC	CARP-3	RES	GWB/GL	PT/-	GWB/GL	PT/-	GWB	PT	GWB	PT	GWB	FACT	VARIES		107
108	RECORDS	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB	PT	GWB	PT	ACT	FACT	9'-0"		108
109	CONFERENCE	CONC	CARP-2	RES	GWB/GL	PT/-	GWB	PT	GWB/GL	PT/-	GWB	PT	ACT	FACT	VARIES		109
110	SOIL & WATER	CONC	POL	RES	GWB/GL	PT/-	GWB/GL	PT/-	GWB/GL	PT/-	GWB/GL	PT/-	ACT	FACT	VARIES		110
111	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB/GL	PT/-	GWB/GL	PT/-	ACT	FACT	8'-8"		111
112	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB/GL	PT/-	GWB/GL	PT/-	ACT	FACT	8'-8"		112
113	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB/GL	PT/-	GWB/GL	PT/-	ACT	FACT	8'-8"		113
114	OPEN OFFICE	CONC	CARP-1	RES	GWB/GL	PT/-	GWB	PT	GWB/GL	PT/-	GWB/GL	PT/-	EXP/GWB/ACT	PT/FACT	VARIES		114
115	CONFERENCE / MEETING ROOM	CONC	CARP-2	RES	GWB	PT	GWB	PT	GWB/GL	PT/-	GWB/GL	PT/-	GWB/ACT	PT/FACT	10'-0"		115
116	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB	PT	GWB/GL	PT/-	ACT	FACT	9'-0"		116
117	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB	PT	GWB/GL	PT/-	ACT	FACT	9'-0"		117
118	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB	PT	GWB/GL	PT/-	ACT	FACT	9'-0"		118
119	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GL	-	GWB	PT	ACT	FACT	9'-0"		119
120	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB/GL	PT/-	GWB	PT	ACT	FACT	9'-0"		120
121	OFFICE	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB/GL	PT/-	GWB	PT	ACT	FACT	9'-0"		121
122	ELEC.	CONC	SDT	RES	GWB	PT	GWB	PT	GWB	PT	GWB	PT	EXP	PT	± 12'-0"		122
123	STAIRS	CONC	CARP-1	RES	GWB	PT	GWB	PT	GWB	PT	GWB	PT	EXP	PT	± 12'-0"		123
124	WOMEN	CONC	PCT	PCT	GWB	PT	GWB	PT	GWB	PT / CT	GWB	PT / CT	GWB	PT	8'-0"	SEE ENLARGED PLANS FOR FINISH INFO	124
125	MEN	CONC	PCT	PCT	GWB	PT	GWB	PT	GWB	PT / CT	GWB	PT / CT	GWB	PT	8'-0"	SEE ENLARGED PLANS FOR FINISH INFO	125
125A	J.C.	CONC	PCT	PCT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	EXP	-	12'-0"		125A
126	CORRIDOR	CONC	POL	RES	GWB	PT	GWB/GL	PT/-	GWB/GL	PT/-	GWB/GL	PT/-	ACT	FACT	8'-0"		126
126	CORRIDOR														9'-6"		126
127	CORRIDOR	CONC	POL	RES	-	-	-	-	GWB/GL	PT/-	GL	-	ACT	FACT	9'-6"		127

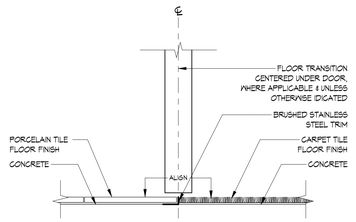
1 A602 PARTITION TYPES

SCALE: 1" = 1'-0"



2 A602 FLOOR TRANSITION (TILE-CARP)

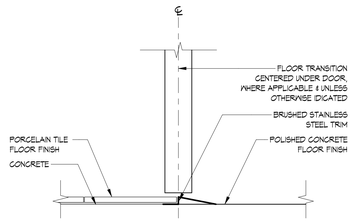
SCALE: 3" = 1'-0"



NOTE:
TYPICAL TILE-TO-CARPET FLOOR TRANSITION.

3 A602 FLOOR TRANSITION (TILE-POL)

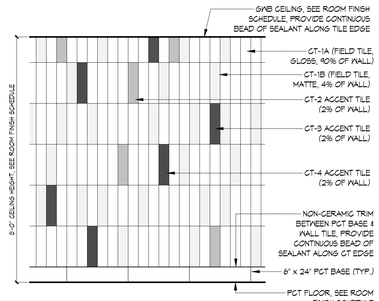
SCALE: 3" = 1'-0"



NOTE:
TYPICAL TILE-TO-POLISHED CONCRETE FLOOR TRANSITION.

B A602 TYP. TILE PATTERN B

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



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REGISTERED ARCHITECT
DAVID DANIEL JANOWSKI
038964
STATE OF NEW YORK
VALID THROUGH 02/28/2026

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

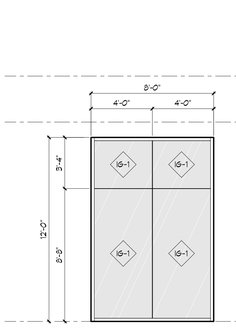
DATE	MARCH 13, 2025
DRAWN BY	EKV/CJF
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

DRAWING TITLE
ROOM FINISH SCHEDULE & DETAILS

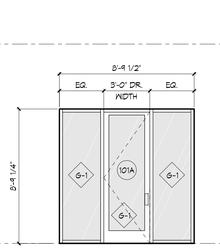
DRAWING NO.
A602

CURTAIN WALL ELEVATION LEGEND:

- (100) DOOR TAG - DENOTES DOOR NUMBER, REFER TO A601
- (IG-X) GLAZING TYPE AS SPECIFIED
- (CW-01) CURTAIN WALL TAG - REFER TO FLOOR PLANS FOR LOCATIONS



6 A603 **CW-06**
SCALE: 1/4" = 1'-0"



5 A603 **CW-05**
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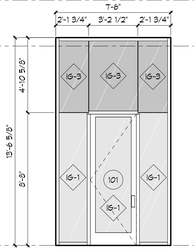
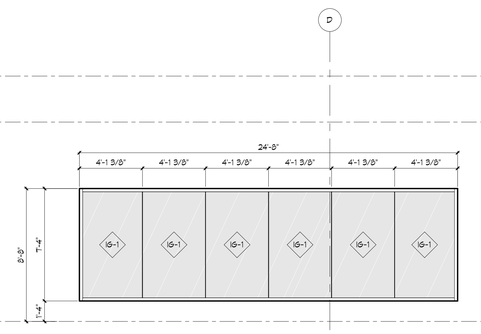


4 A603 **CW-04**
SCALE: 1/4" = 1'-0"



3 A603 **CW-03**
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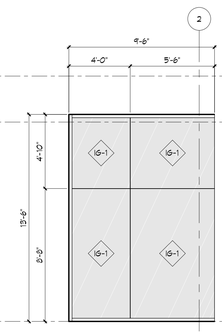

2 A603 **CW-02**
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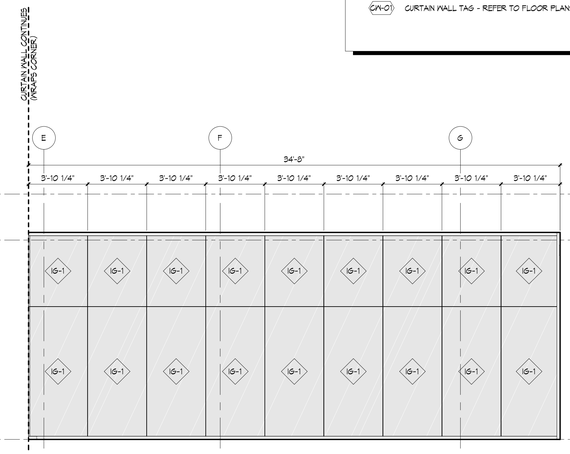
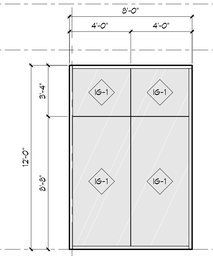
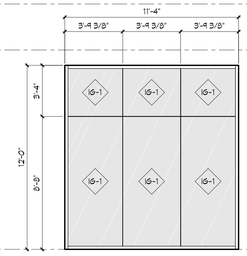


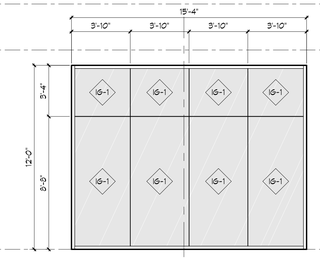
1 A603 **CW-01**
SCALE: 1/4" = 1'-0"



12 A603 **CW-12**
SCALE: 1/4" = 1'-0"



11 A603 **CW-11**
SCALE: 1/4" = 1'-0"



10 A603 **CW-10**
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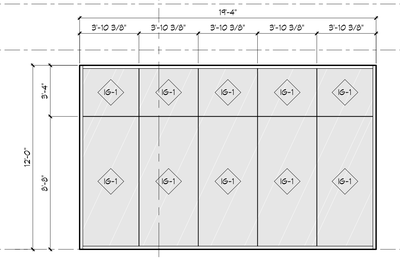

9 A603 **CW-09**
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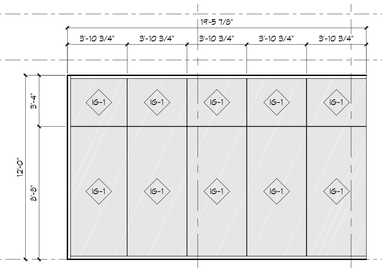

8 A603 **CW-08**
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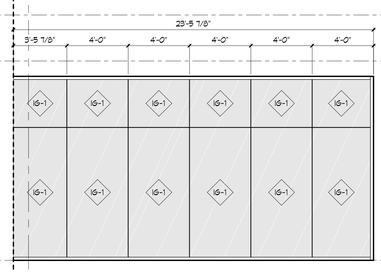
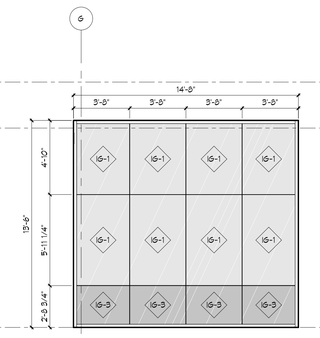
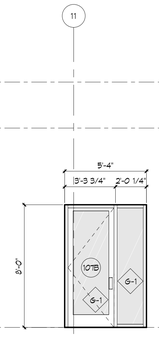


7 A603 **CW-07**
SCALE: 1/4" = 1'-0"



18 A603 **CW-18**
SCALE: 1/4" = 1'-0"



17 A603 **CW-17**
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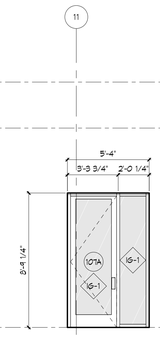
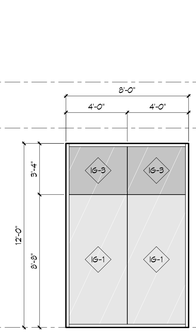
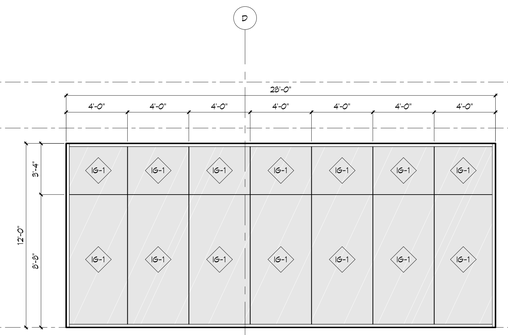


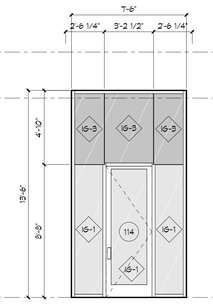
16 A603 **CW-16**
SCALE: 1/4" = 1'-0"



15 A603 **CW-15**
SCALE: 1/4" = 1'-0"



14 A603 **CW-14**
SCALE: 1/4" = 1'-0"



13 A603 **CW-13**
SCALE: 1/4" = 1'-0"

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STATE OF NEW YORK
VALID THROUGH 02/28/2026

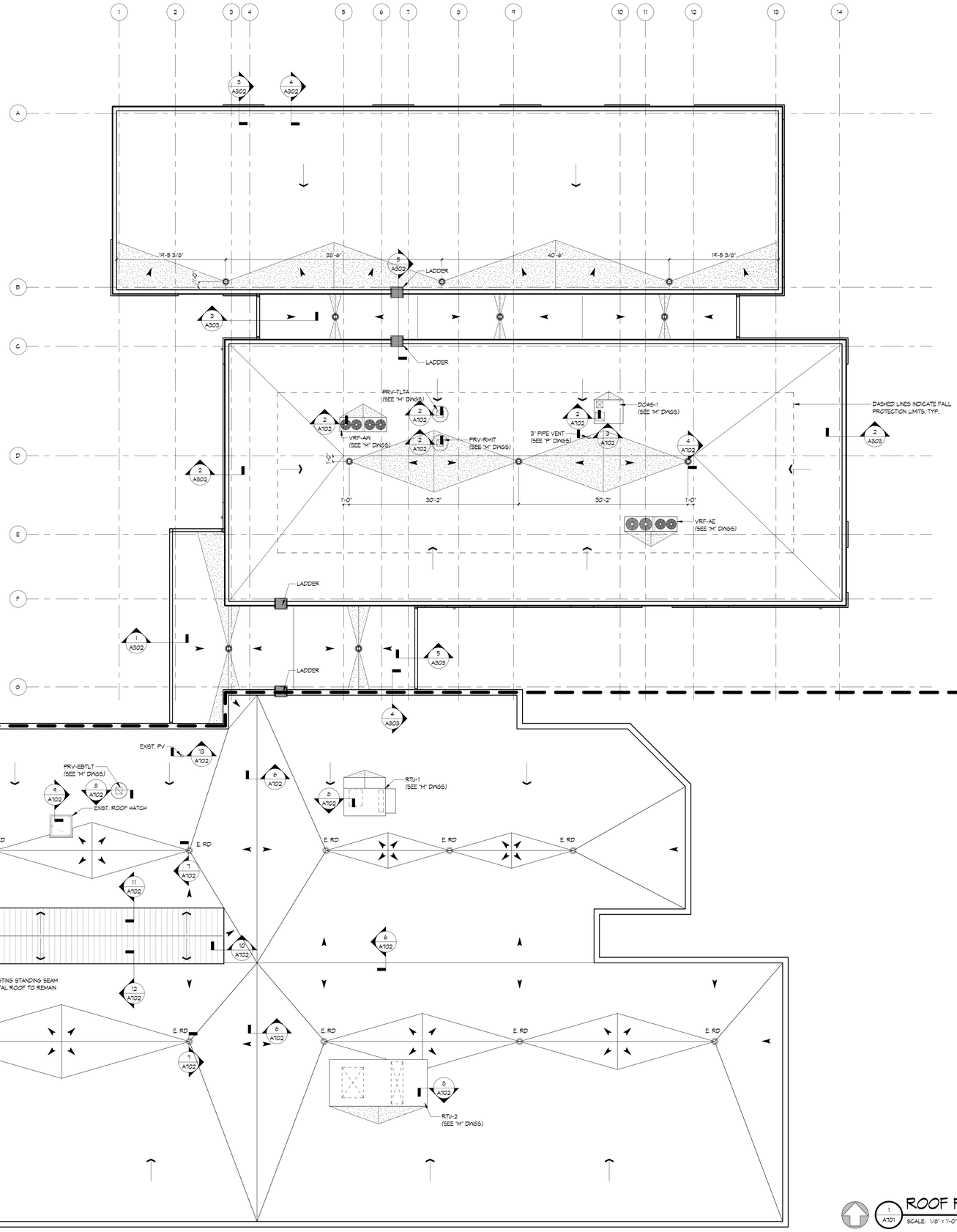
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
	REVISIONS		

DATE	MARCH 13, 2025
DRAWN BY	CJF
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

DRAWING TITLE
CURTAIN WALL ELEVATIONS

DRAWING NO.
A603

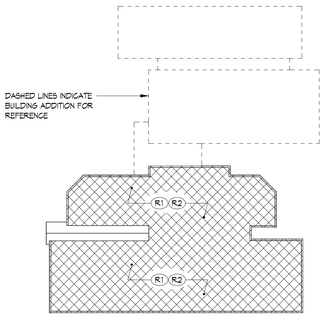


ROOF PLAN LEGEND:

E. RD	EXISTING ROOF DRAIN
	MECHANICAL UNITS REFER TO MECH. DWGS.
OVTR	VENT THROUGH ROOF, REFER TO PLUMB. DWGS.
	CRICKET (1/2" FT)
	SLOPED ROOF DECK
	TAPERED INSULATION SLOPE, (1/4" FT)

GENERAL ROOF NOTES:

1. COORDINATE ALL PENETRATIONS WITH OTHER TRADES.
2. REMOVE & REINSTALL ANY EXISTING EXTERIOR LIGHT FIXTURES, CONDUITS, MECHANICAL UNITS, EQUIPMENT ETC... AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.
3. IT IS THE INTENT OF THIS PROJECT THAT THE NEW FASCIAS AT EACH ROOF AREA BE CONSISTANT AND LEVEL AROUND THE ENTIRE PERIMETER. CONTRACTOR SHALL PROVIDE WOOD BLOCKING AS REQUIRED TO MEET INSULATION THICKNESS AT THE HIGH POINT OF THE INSULATION AND RUN LEVEL AROUND THE ENTIRE PERIMETER. FASCIA MAY NOT BE THE SAME AT EACH ROOF AREA. DO NOT COUNT BLOCKING LAYERS IN THE DETAILS.
4. REFER TO ALTERNATES SPEC SECTION 01 23 00 FOR ADDITIONAL INFORMATION ON ROOFING ALTERNATES.



ROOF REMOVALS LEGEND:

INDICATES AREAS OF ROOF RECOVERY. REFER TO KEYED REMOVAL NOTES FOR SCOPE OF WORK.

KEYED ROOF REMOVAL NOTES:

R1 — CAREFULLY REMOVE EXISTING BALLASTED ROOF MEMBRANE, METAL ROOF EDGES, MEMBRANE FLASHING, AND ALL SURFACE ROOF COMPONENTS COMPLETE. EXISTING MECHANICALLY ATTACHED ROOF INSULATION, CRICKETS, & ALL WOOD BLOCKING (ROOF EDGES & EXPANSION JOINTS) TO REMAIN. REFER TO PLANS & DETAILS FOR NEW INSULATION AND MEMBRANE TO BE INSTALLED OVER EXISTING INSULATITON. CONTRACTOR TO ASSUME 5% OF EXISTING INSULATION TO BE DAMAGED / SATURATED / COMPRIMISED AND IS TO BE REMOVED AND REPLACED IN KIND.

R2 — REMOVE ANY ENCOUNTERED ABANDONED MECHANICAL CURBS. INFILL WITH NEW ROOF DECKING, INSULATION & MEMBRANE TO MATCH ITS ADJACENT CONDITION. REFER TO STRUCTURAL DRAWINGS FOR DECK INFILL DETAILS.

1 A701 ROOF PLAN
SCALE: 1/8" = 1'-0"

2 A701 ROOF REMOVALS PLAN
SCALE: 1" = 40'-0"

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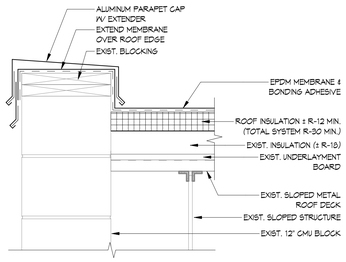
CHECKED BY	DDJ
SCALE	As Indicated
PROJECT NO.	23036

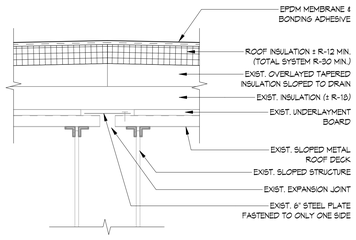
DRAWING TITLE
ROOF PLAN

DRAWING NO.
A701



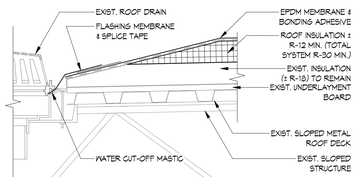
5 A702 — TYP. EXIST. ROOF EDGE

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



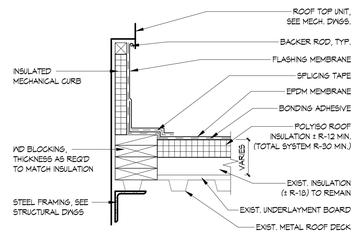
6 A702 — TYP. EXIST. EXPANSION JOINT

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



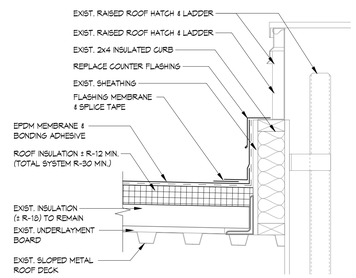
7 A702 — TYP. EXIST. ROOF DRAIN

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



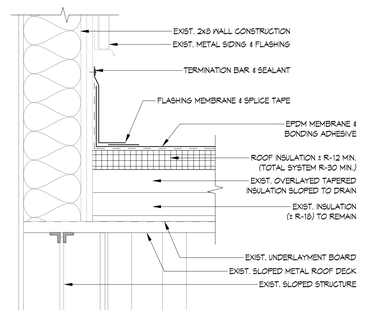
8 A702 — TYP. EXIST. MECH. CURB

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



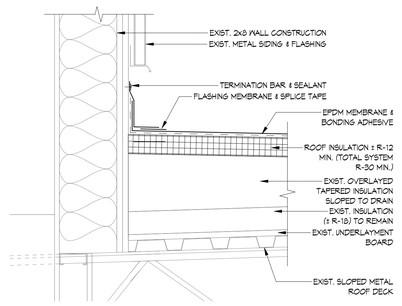
9 A702 — EXIST. ROOF HATCH

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



10 A702 — EXIST. WALL FLASHING

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



11 A702 — EXIST. WALL FLASHING

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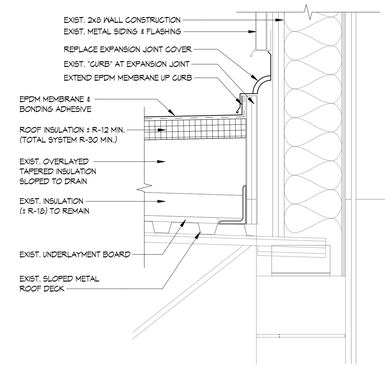
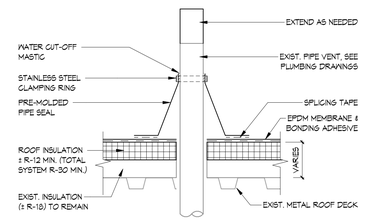


12 A702 — EXIST. WALL FLASHING

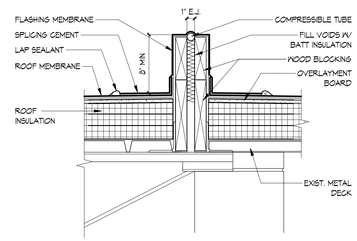
SCALE: 1 1/2" = 1'-0"



13 A702 — TYP. EXIST. PIPE VENT

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

ALTERNATE NO. 1



1 A702 — TYP. EXPANSION JOINT

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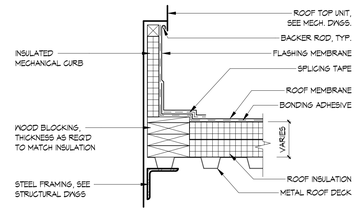
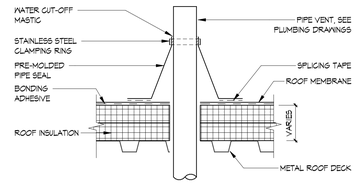


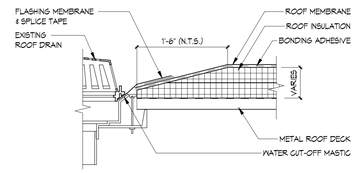
2 A702 — TYP. MECH. CURB DETAIL

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



3 A702 — TYP. PIPE VENT DETAIL

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



4 A702 — TYP. ROOF DRAIN

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

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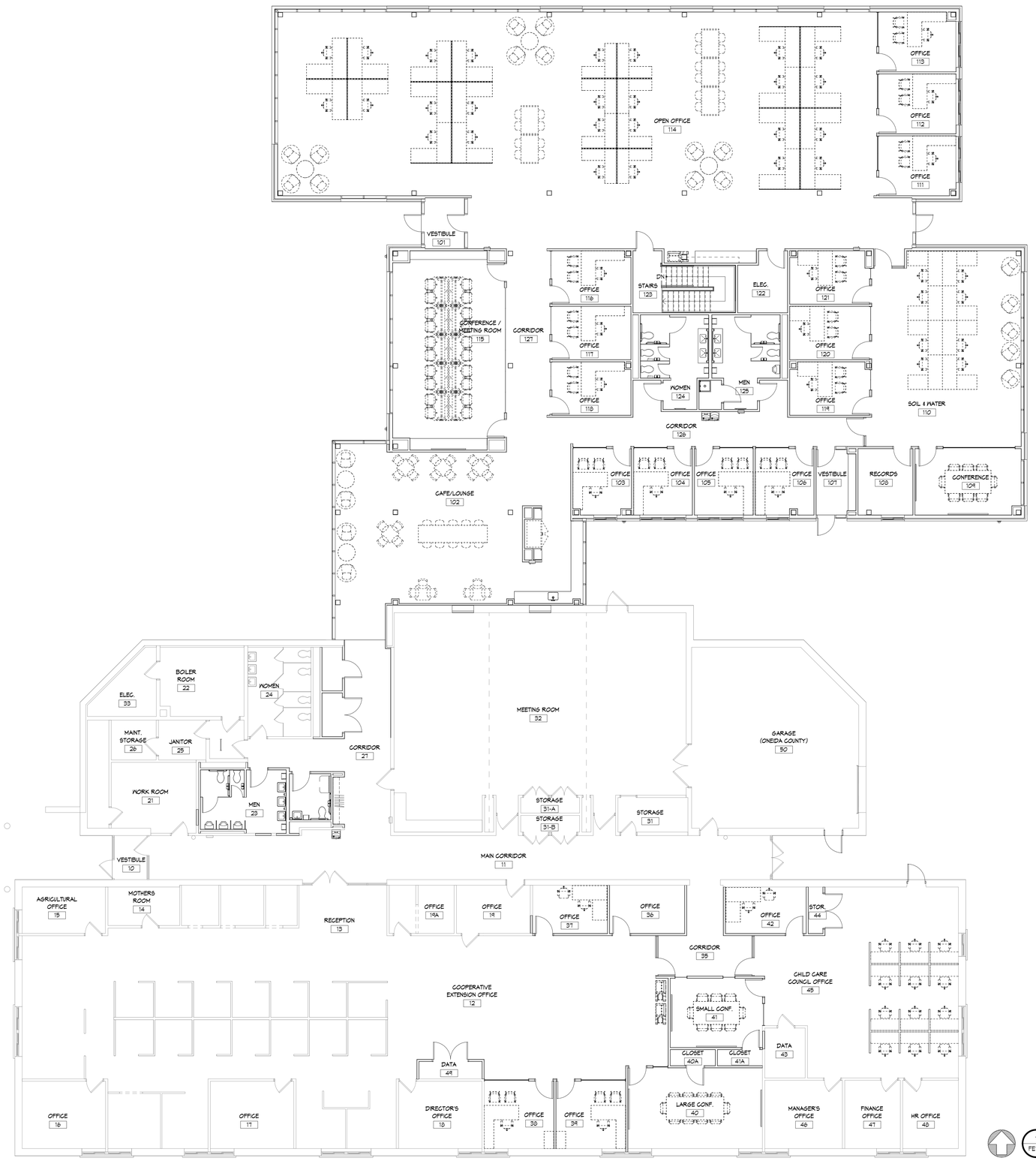
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	GHB
CHECKED BY	DDJ
SCALE	1 1/2" = 1'-0"
PROJECT NO.	23036

DRAWING TITLE
ROOF DETAILS

DRAWING NO.
A702



1 FE101 FIRST FLOOR FURNITURE PLAN

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

THIS DRAWING IS FOR REFERENCE & COORDINATION ONLY. THE FURNITURE LAYOUT SHOWN IS SUBJECT TO CHANGE. ALL FURNITURE WILL BE PROVIDED BY THE OWNER.

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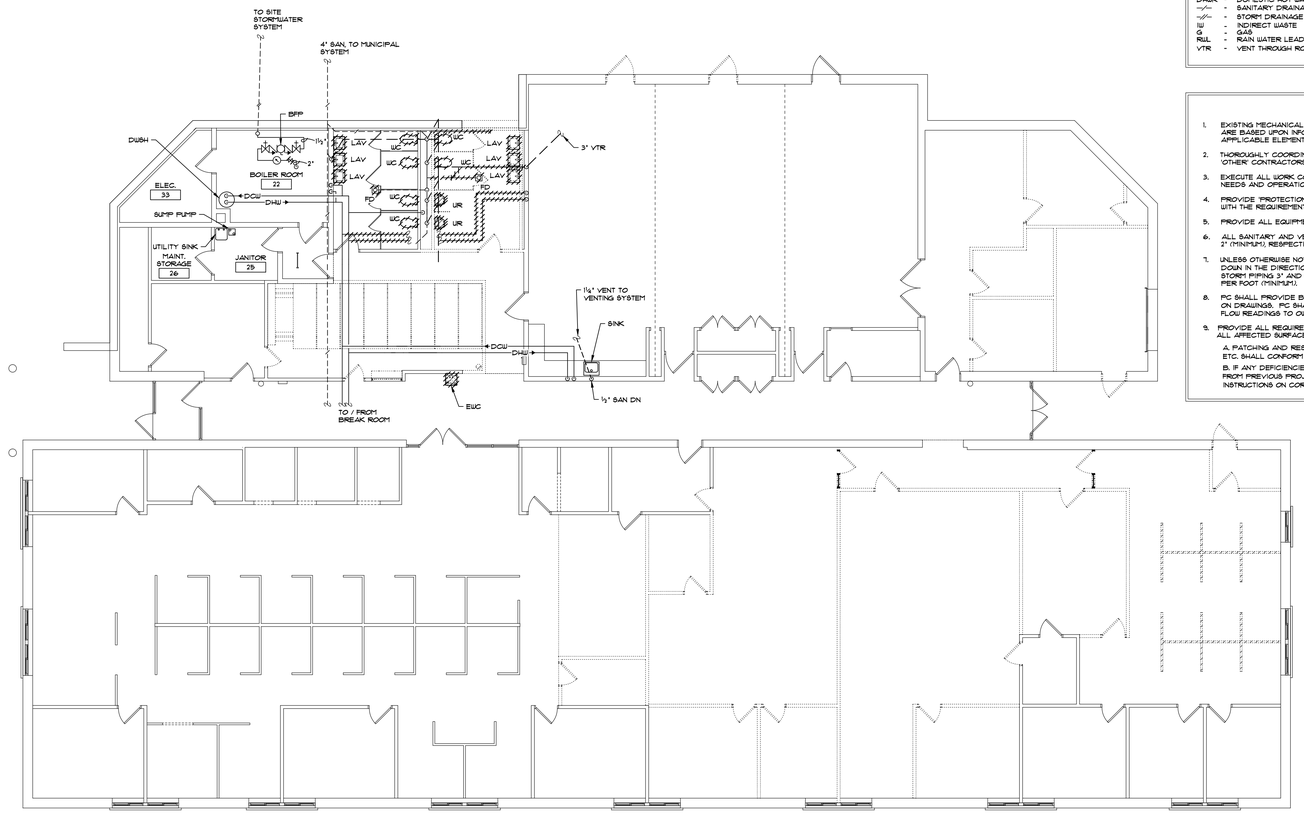
DATE			MARCH 13, 2025
DRAWN BY			GJF
CHECKED BY			DDJ
SCALE			1/8" = 1'-0"
PROJECT NO.			23036

DRAWING TITLE
FURNITURE PLAN

DRAWING NO.
FE101



FIRST FLOOR REMOVALS PLAN

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

LEGEND

GC	GENERAL CONTRACTOR	PRV	PRESSURE REDUCING VALVE
MC	MECHANICAL CONTRACTOR	RV	RELIEF VALVE
HC	HEATING CONTRACTOR	BFP	BACK FLOW PREVENTER
PC	PLUMBING CONTRACTOR	BWV	BACK WATER VALVE
FPC	FIRE PROTECTION CONTRACTOR	MCV	MIXING CONTROL VALVE
EC	ELECTRIC CONTRACTOR		
EXIST.	EXISTING	FM	FLOW METER - Ø. 5 GPM UNLESS NOTED
AFF	ABOVE FINISHED FLOOR	MH	MANHOLE
AFG	ABOVE FINISHED GRADE	CB	CATCH BASIN
INV.	INVERT	CO	CLEAN OUT
GPM	GALLONS PER MINUTE	FF	PLUMBING FIXTURE
NC	NORMALLY CLOSED	WC	WATER CLOSET
NO	NORMALLY OPEN	UR	URINAL
DCW	DOMESTIC COLD WATER	LAV	LAVATORY
DHW	DOMESTIC HOT WATER	MSB	MOP SERVICE BASIN
DHWR	DOMESTIC HOT WATER RETURN	FD	FLOOR DRAIN
	SANITARY DRAINAGE	RD	ROOF DRAIN
	STORM DRAINAGE	WH	WALL HYDRANT
IW	INDIRECT WASTE	P	PUMP
G	GAS	DWSH	DOMESTIC WATER STORAGE HEATER
RWL	RAIN WATER LEADER	EWC	ELECTRIC WATER COOLER
VTR	VENT THROUGH ROOF	GPF	GALLONS PER FLUSH

SYMBOLS

	PROPOSED
	EXISTING
	EXISTING TO BE REMOVED
	UNION
	FLANGE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	STRAINER
	STRAINER (WITH BLOW DOWN)
	MANUAL AIR VENT
	GATE VALVE
	STOP AND WASTE VALVE
	GLOBE VALVE
	GLOBE VALVE (WITH HOSE END)
	SWING CHECK VALVE
	BALL VALVE
	LUBRICATED PLUG VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	FLOW METER - Ø. 5 GPM TYPICAL
	TRAP
	CLEANOUT (HORIZONTAL)
	CLEANOUT (VERTICAL)
	SHOCK ABSORBER
	FLOOR DRAIN
	ROOF DRAIN
	THERMOMETER
	PRESSURE GAUGE

GENERAL NOTES

1. EXISTING MECHANICAL SYSTEM PARAMETERS (SIZES, CAPACITIES AND LOCATIONS) ARE BASED UPON INFORMATION PROVIDED BY THE OWNER. FIELD VERIFY ALL APPLICABLE ELEMENTS.
2. THOROUGHLY COORDINATE ALL WORK WITH ALL ASSOCIATED WORK EXECUTED BY 'OTHER' CONTRACTORS.
3. EXECUTE ALL WORK COMPLEMENTARY WITH AND UNOBTRUSIVE TO THE OWNER'S NEEDS AND OPERATIONS, RESPECTIVELY.
4. PROVIDE 'PROTECTION' RELATIVE TO ALL APPLICABLE WORK IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN DIVISION 1.
5. PROVIDE ALL EQUIPMENT SUPPORTS AS REQUIRED.
6. ALL SANITARY AND VENT PIPING LOCATED BELOW FLOOR SLAB SHALL BE 4" AND 2" (MINIMUM), RESPECTIVELY.
7. UNLESS OTHERWISE NOTED, SANITARY WASTE 2½" AND SMALLER SHALL PITCH DOWN IN THE DIRECTION OF FLOW ¼" PER FOOT (MINIMUM) SANITARY WASTE AND STORM PIPING 3" AND LARGER SHALL PITCH DOWN IN THE DIRECTION OF FLOW ⅛" PER FOOT (MINIMUM).
8. PC SHALL PROVIDE BALANCING OF ALL FLOW METERS TO THE FLOW RATES LISTED ON DRAWINGS. PC SHALL SUBMIT A SUMMARY OF INITIAL AND FINAL (BALANCED) FLOW READINGS TO OWNER / ENGINEER FOR REVIEW.
9. PROVIDE ALL REQUIRED CUTTING, PATCHING AND INFILL, THEREAFTER, RESTORE ALL AFFECTED SURFACES TO MATCH EXISTING.
   A. PATCHING AND RESTORATION AT FIREWALLS, FIRE BARRIERS, SMOKE PARTITIONS ETC. SHALL CONFORM TO, AND SHALL RESTORE THE FIRE / SMOKE RATING.
   B. IF ANY DEFICIENCIES IN FIREWALLS, FIRE BARRIERS, SMOKE PARTITIONS ETC. FROM PREVIOUS PROJECTS IS ENCOUNTERED, NOTIFY OWNER / ENGINEER FOR INSTRUCTIONS ON CORRECTIVE ACTIONS.

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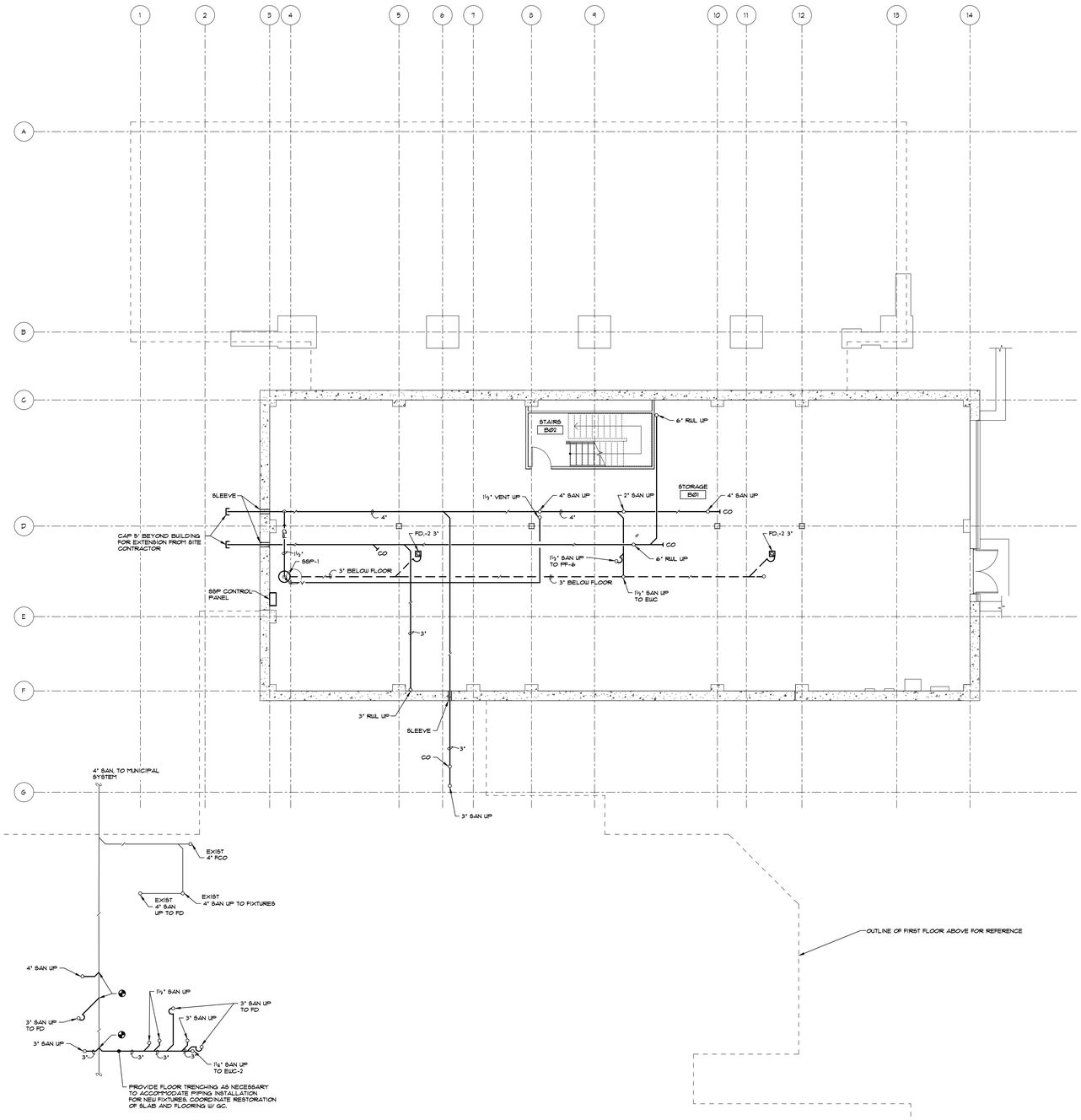
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
	REVISIONS		

DATE	MARCH 13, 2025
DRAWN BY	HNJ
CHECKED BY	GDK
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

DRAWING TITLE
FIRST FLOOR REMOVALS PLAN

DRAWING NO.
PD101



BASEMENT FLOOR PLAN

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

NORTH

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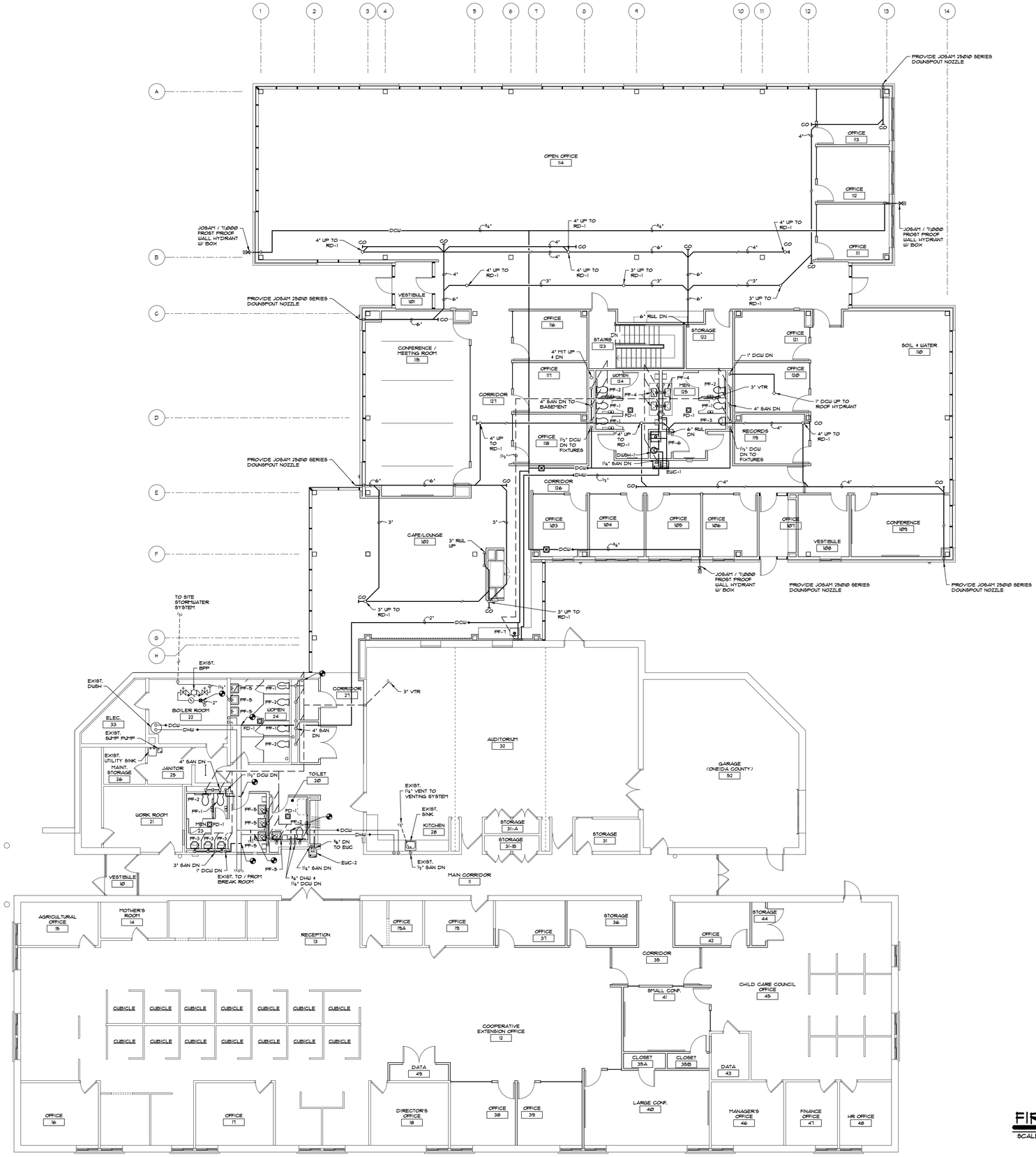
BASEMENT FLOOR PLAN

DRAWING NO.
P101



FIRST FLOOR PLAN

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

NORTH

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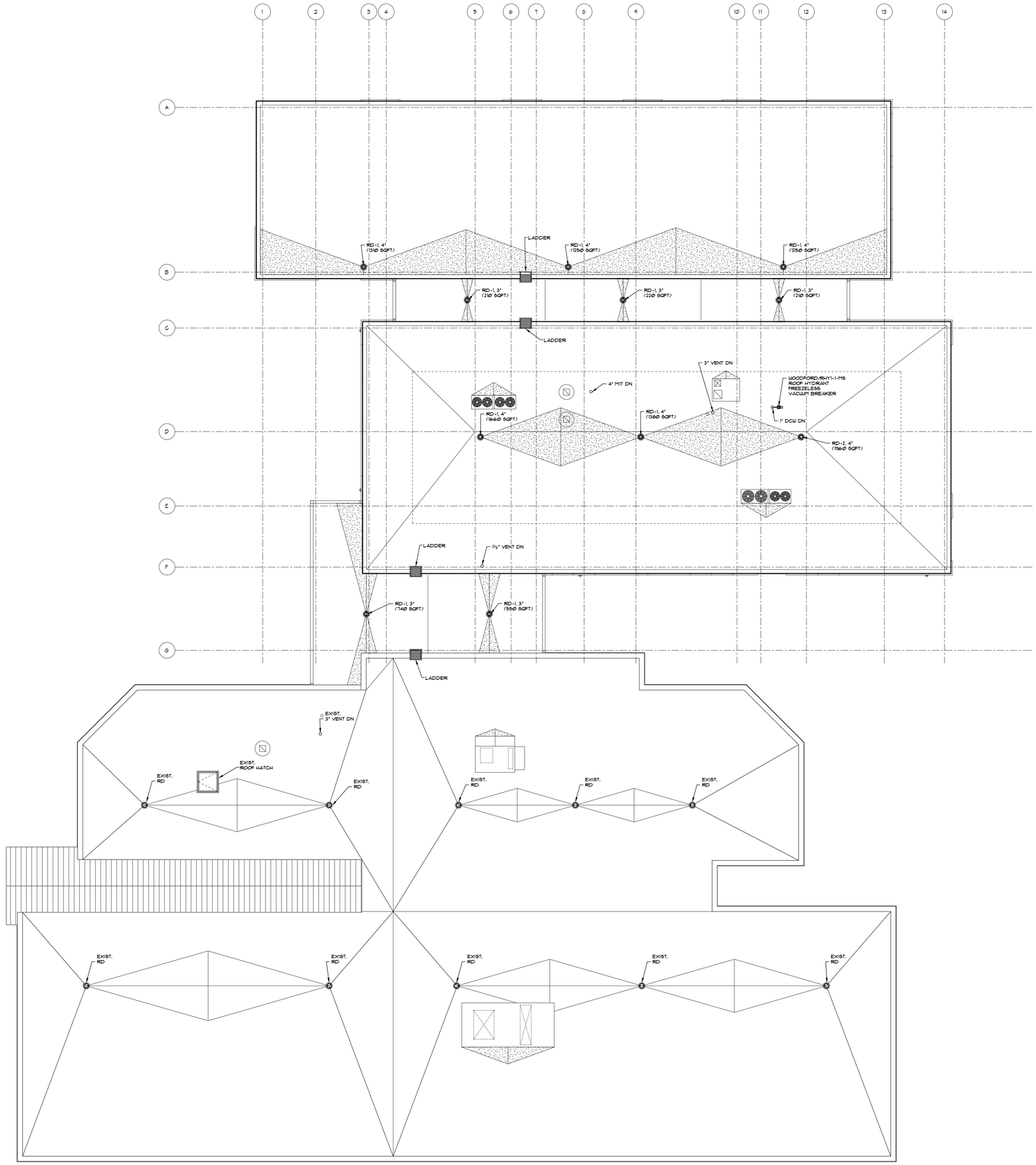
PROJECT NO.	23036 (4011)

DRAWING TITLE
FIRST FLOOR PLAN

DRAWING NO.
P102



ROOF PLAN

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

NORTH

W E

S

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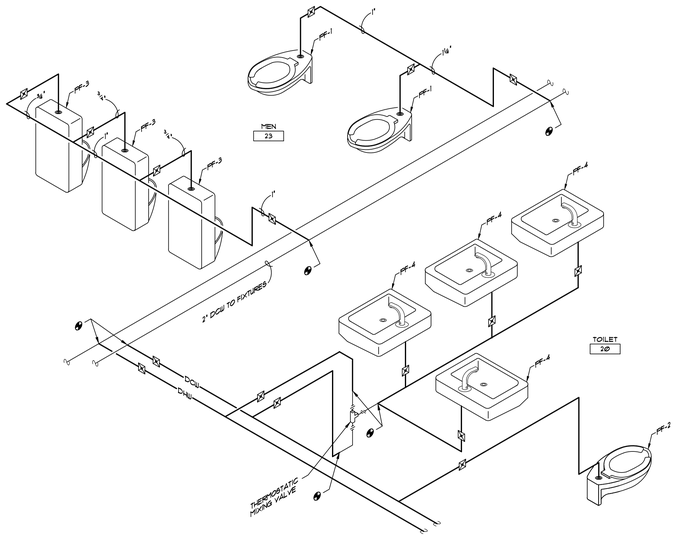
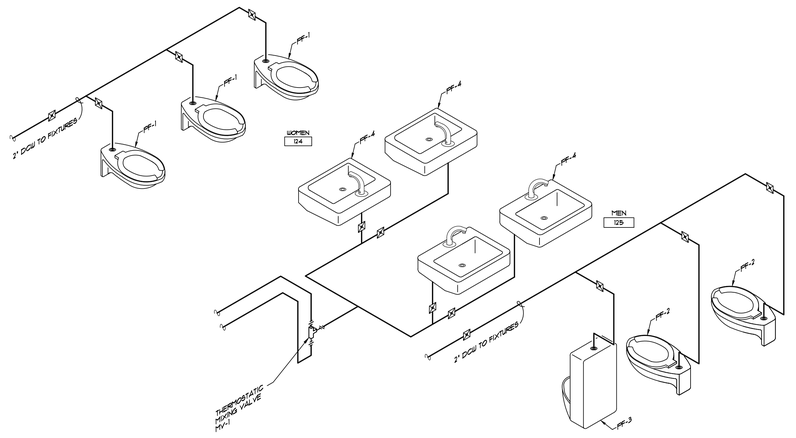
DRAWING TITLE
ROOF
PLAN

DRAWING NO.
P103



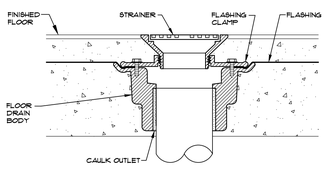
DOMESTIC WATER PIPING ARRAIGNMENT AT MEN'S ROOM & TOILET ROOM, EXISTING BUILDING

SCALE: NONE



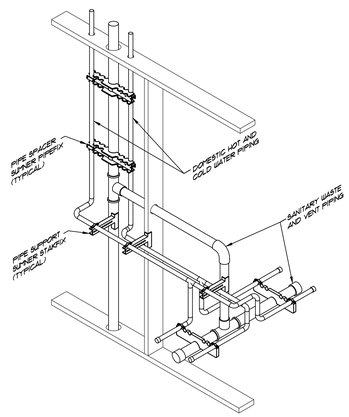
DOMESTIC WATER PIPING ARRAIGNMENT AT WOMEN'S AND MEN'S ROOMS, BUILDING ADDITION

SCALE: NONE



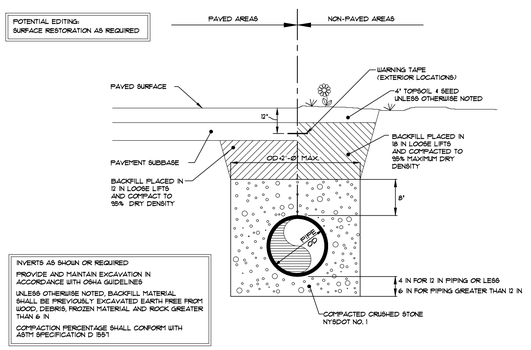
FLOOR DRAINS INSTALLATION

SCALE: NONE



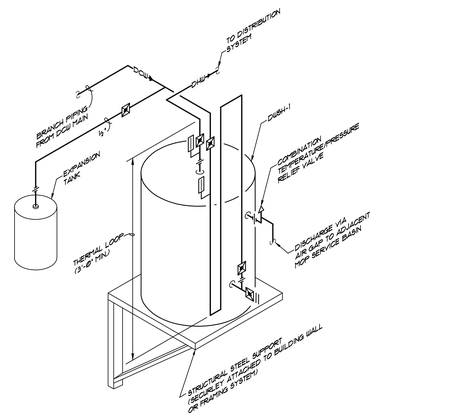
PIPING SUPPORT, TYPICAL CHASE

SCALE: NONE



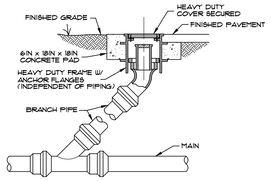
PIPING SYSTEMS BEDDING

SCALE: NONE



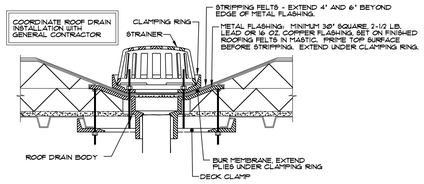
PIPING CONNECTIONS AT DOMESTIC WATER STORAGE HEATERS

SCALE: NONE



CLEANOUT ARRANGEMENT

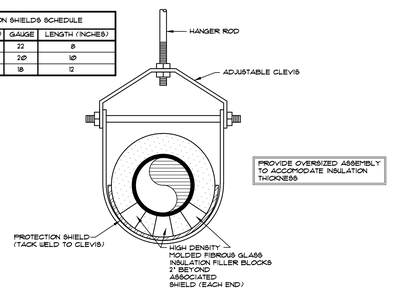
SCALE: NONE



ROOF DRAINS

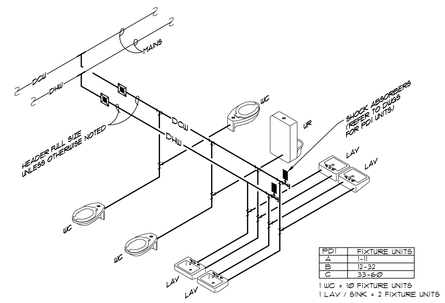
SCALE: NONE

PROTECTION SHIELDS SCHEDULE		
PIPE SIZE (INCHES)	GAUGE	LENGTH (INCHES)
½ THRU 2	22	8
2½ THRU 4	20	10
5 AND UP	18	12



PIPING SUPPORT, SUSPENDED (CLEVIS)

SCALE: NONE



DCW / DHW ARRANGEMENT FOR TYPICAL FIXTURE GROUP (SHOCK ABSORBER ARRANGEMENT)

SCALE: NONE

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REVISIONS			
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CHECKED BY	GDK		
SCALE	AS NOTED		
PROJECT NO.	23036 (4011)		

DRAWING TITLE
DETAILS

DRAWING NO.
P601

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS

121 SECOND STREET, ORISKANY, NY 13424

MARCH ASSOCIATES
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STATE OF NEW YORK

NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	MARCH 13, 2023
DRAWN BY	HMJ
CHECKED BY	CDK
SCALE	AS NOTED
PROJECT NO.	23036 (401)

DRAWING TITLE

SCHEDULES

DRAWING NO.

P602

ELECTRIC WATER COOLER9 SCHEDULE

UNIT # EWC-	MFR/MODEL	TYPE Ⓐ	NOMINAL DIMENSIONS LENGTH × WIDTH × DEPTH IN	EWT F	LWT F	CAPACITY GPH	CONTROL Ⓑ	HP
1	ELKAY /	WH	36 × 19 × 38	60	50	8.0	BR	1/8
	LZ8TLB 8E8EB							
2	ELKAY /	WH	19 × 19 × 38	60	50	8.0	BR	1/8
	LZ8GN8PP 8E8EB							

Ⓐ WH -- WALL HUNG Ⓑ BR -- PUSH BAR

SUMP PUMPS / SEWAGE EJECTORS SCHEDULE

UNIT # SP-	EQUIPMENT ONE 8Y9TEM SERVED Ⓐ	MFR / MODEL	FLOW RATE GPM	HEAD FT	2-PIPE ELLER DIA IN	SUCTION IN	RPM	SHP	HP	DIA IN	DEPTH IN
										BASIN	
1	BASEMENT	LIBERTY	16	17	---	4	---	0.1	0.33	18	22
	FLOOR DRAINS/66P	6PACK									

Ⓐ 66P -- 6PIPLEX 6UMP8 PUMP

FLOOR DRAINS SCHEDULE

UNIT # FD-	AREA ONE 8Y9TEM SERVED	MFR / MODEL	MATERIAL Ⓐ	CONFIGURATION	FEATURES	MATERIAL Ⓑ	CONFIGURATION	SERVICE WEIGHT Ⓒ	FEATURES	REMARKS
			BODY			STRAINER				
1	TOILET ROOM-19	JOSAM / 36000-8	CI	ROUND	---	6N	SQUARE	PD	---	①
	GENERER / NORTH FONT	WALL HUNG	14	1½ TOP		8.0AN 62 OPTP4A		6OL	OLBONTE 38	②
	GOOZ3633 8ERE8					PLUG 811 8ERE8 ①			OPEN FRONT	
2	8TOMAGE ROOM	JOSAM / 36120	CI	8QUARE	BEDPLENT	CI	8QUARE	MD	---	①
	BASEMENT				BUCKET			9 IN		
	GOOZ3633 8ERE8					PLUG 811 8ERE8 ①			OPEN FRONT	
2	GENERER / NORTH FONT	WALL HUNG	17	1½ TOP		8.0AN 62 OPTP4A		6OL	OLBONTE 38	② ③
	GOOZ3633 8ERE8					PLUG 811 8ERE8 ①			OPEN FRONT	

Ⓐ CI -- CAST IRON Ⓑ BN -- BATIN NICKEL ALLOY Ⓒ FD -- FEDERTRIAN ① PROVIDE PRO-SET TRAP PROTECTION NEOPRENE

6INK9 6CHEDULE

UNIT # PF-	MFR / MODEL	TYPE Ⓐ	NOMINAL DIMENSIONS L × W × D IN	CONTROL Ⓑ	FAUCET CENTER IN	6POUT/ 6OOMERANG IN	OUTLET Ⓒ	ROUGHING D6U / D4U IN	6AN IN	VENT IN
1	ELKAY / LUETERTONE	CT 66, 6C	13 × 11½ × 8	F44B	4	6	LA	½ / ½	½	½
	LR-6N			①						

Ⓐ CT -- COUNTERTOP Ⓑ F 44B -- FAUCET, 4" UE6T BLADE8 Ⓒ LA -- LAMINAR FLOW AERATOR
96 -- 9TAINLE66 6TEEL
9C -- 6INGLE CONTROL-ENT

6ERVICE 6INK9 6CHEDULE

UNIT # 6FC-	MFR / MODEL	TYPE Ⓐ	NOMINAL DIMENSIONS L × W × D IN	CONTROL Ⓑ	FAUCET CENTER IN	6POUT/ 6OOMERANG IN	OUTLET Ⓒ	ROUGHING D6U / D4U IN	6AN IN	VENT IN
6	FIAT / M66-2424	FM / P8	24 × 24 × 18	F 44	---	---	HE	½ / ½	3	½

Ⓐ UH -- WALL HUNG Ⓑ 6L -- 6INGLE LEVER Ⓒ HE -- H266 END
FM -- FLOOR MOUNTED
EC -- ENAMELED CA6T IRON
P8 -- POLI6HED 6TONE
P7 -- PRECA67 TERRAZZO
96 -- 9TAINLE66 6TEEL
F 44 -- FAUCET, 4" UE6T BLADE6
K --KNEE
FT --FOOT

MA6TER MIXING VALVE6 6CHEDULE

UNIT # MV-	AREA OR 8Y9TEM 6ERVED	MFR / MODEL	FINISH Ⓐ	DSU IN	DSU IN	LWT F	FLOW RATE MAXIMUM GPM	FLOW RATE MINIMUM GPM	RO FOR Ⓑ	REMARKS
1	TENS ROOM 126 4	POLERO /	RB	46	126	160	6	0.6	6	
	TENS ROOM 124	HTMOXLUXO								
		LLF-1460 6ERE8								

Ⓐ RB -- ROUGH BRA66 Ⓑ AT MAXIMUM FLOW RATE

DOME6TIC WATER 6TORAGE HEATER6 6CHEDULE

UNIT # DWH-	MFR / MODEL	NOMINAL DIMENSIONS DIA × HEIGHT IN	EXPANSION TANK GAL. Ⓐ	ELEMENTS QUANTITY	WATTS	INLET F	RECOVERY GPH	6TORAGE GAL	REMARKS
1	A.O 6TITH/	15 × 15	2.0	1	2000	150	14	6	
	DUEAMOUER								
	DEL-6								

Ⓐ ARTROL THERM-X-TROL MODEL 5T-5

WATER CLO6ET6 6CHEDULE Ⓐ

UNIT # FP-	MFR / MODEL	FIXTURE TYPE	REM IN	6PUD IN	FLUSH VALVE MFR / MODEL	OPERATOR Ⓑ	MFR / MODEL	REMARKS
1	GENERER / NORTH FONT	WALL HUNG	14	1½ TOP	8.0AN 62 OPTP4A	6OL	OLBONTE 38	②
	GOOZ3633 8ERE8				PLUG 811 8ERE8 ①		OPEN FRONT	
2	GENERER / NORTH FONT	WALL HUNG	17	1½ TOP	8.0AN 62 OPTP4A	6OL	OLBONTE 38	② ③
	GOOZ3633 8ERE8				PLUG 811 8ERE8 ①		OPEN FRONT	

Ⓐ HOL -- HANDLE HOL -- 6OLENOID ① BATTERY POWERED ② 0.6 GPM ③ ADA COMPLIANT

URINAL6 6CHEDULE

UNIT # UR-	MFR / MODEL	FIXTURE TYPE	REM IN	6PUD IN	FLUSH VALVE MFR / MODEL	OPERATOR Ⓐ	ROUGHING DCU / 6AN / VENT IN	REMARKS
3	GENERER / NORTH FONT	WALL HUNG	24	¾ TOP	8.0AN 62 OPTP4A	6OL	2 / 3 / 1½	② ③
	GHETTTO	WA6H-OUT			PLUG 866 8ERE8 ①			

Ⓐ HOL -- HANDLE HOL -- 6OLENOID ① BATTERY POWERED ② 0.6 GPM ③ ADA COMPLIANT

WATER CLO6ET6 6CHEDULE Ⓐ

UNIT # FP-	MFR / MODEL	TYPE	REM IN	6PUD IN	FLUSH VALVE MFR / MODEL	OPERATOR Ⓑ	MFR / MODEL	REMARKS
		FIXTURE				OPERATOR		
1	GENERER / NORTH FONT	WALL HUNG	14	1½ TOP	8.0AN 62 OPTP4A	6OL	OLBONTE 38	②
	GOOZ3633 8ERE8				PLUG 811 8ERE8 ①		OPEN FRONT	
2	GENERER / NORTH FONT	WALL HUNG	17	1½ TOP	8.0AN 62 OPTP4A	6OL	OLBONTE 38	② ③
	GOOZ3633 8ERE8				PLUG 811 8ERE8 ①		OPEN FRONT	

ⒶROUGHING IN
DCU -- 1½" FLUSH VALVE, 1"
6AN -- 1½"
VENT -- 2"

Ⓑ 6OL -- 6OLENOID ① BATTERY POWERED ② 1.28 GPF ③ ADA COMPLIANT

DOME6TIC WATER 6TORAGE HEATER6 6CHEDULE

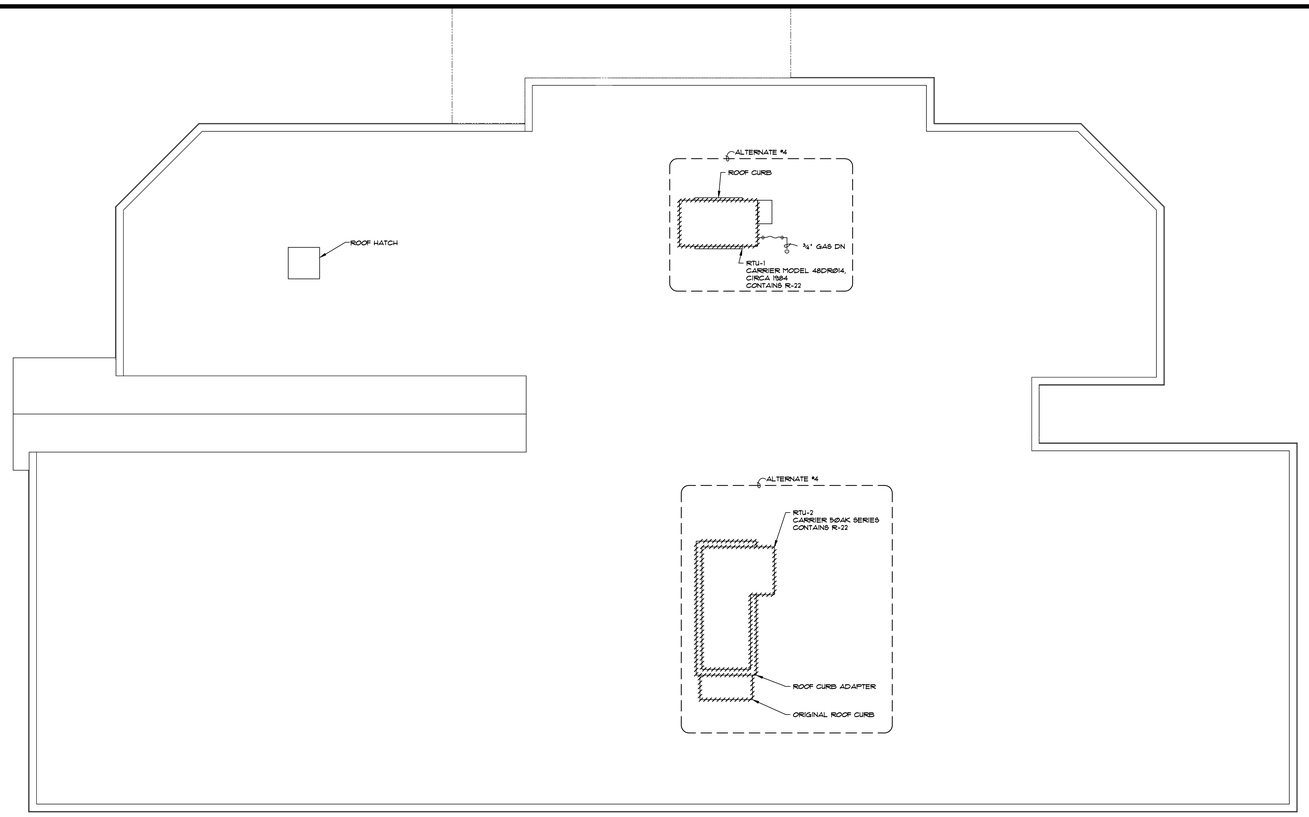
UNIT # DWH-	MFR / MODEL	NOMINAL DIMENSIONS DIA × HEIGHT IN	EXPANSION TANK GAL. Ⓐ	ELEMENTS QUANTITY	WATTS	INLET F	RECOVERY GPH	6TORAGE GAL	REMARKS
1	A.O 6TITH/	15 × 15	2.0	1	2000	150	14	6	
	DUEAMOUER								
	DEL-6								

Ⓐ ARTROL THERM-X-TROL MODEL 5T-5

MA6TER MIXING VALVE6 6CHEDULE

UNIT # MV-	AREA OR 8Y9TEM 6ERVED	MFR / MODEL	FINISH Ⓐ	DSU IN	DSU IN	LWT F	FLOW RATE MAXIMUM GPM	FLOW RATE MINIMUM GPM	RO FOR Ⓑ	REMARKS
1	TENS ROOM 126 4	POLERO /	RB	46	126	160	6	0.6	6	
	TENS ROOM 124	HTMOXLUXO								
		LLF-1460 6ERE8								

Ⓐ RB -- ROUGH BRA66 Ⓑ AT MAXIMUM FLOW RATE



ROOF REMOVALS PLAN

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

NORTH

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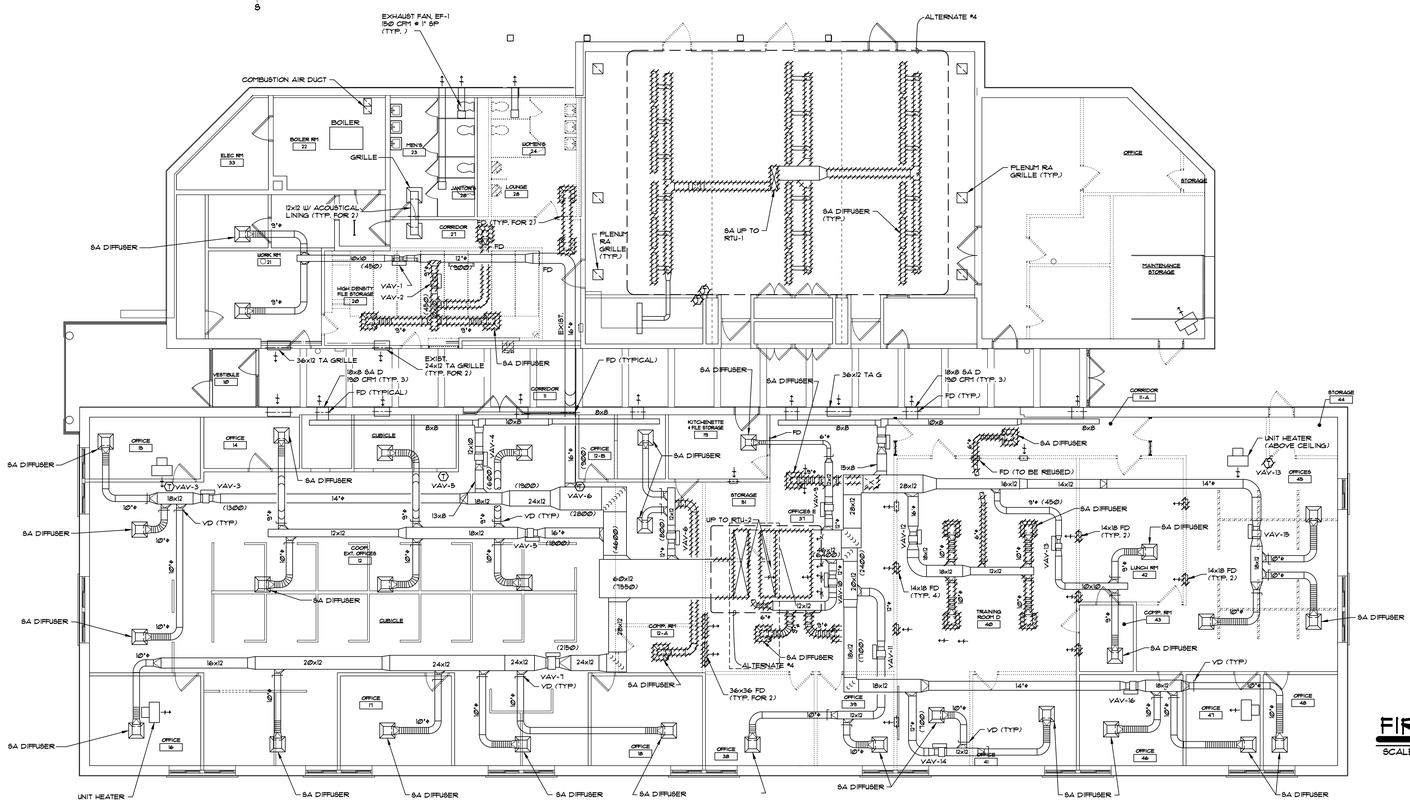
   A. PATCHING AND RESTORATION AT FIREWALLS, FIRE BARRIERS, SMOKE PARTITIONS ETC., SHALL CONFORM TO, AND SHALL RESTORE THE FIRE / SMOKE RATING.
   B. IF ANY DEFICIENCIES IN FIREWALLS, FIRE BARRIERS, SMOKE PARTITIONS ETC. FROM PREVIOUS PROJECTS IS ENCOUNTERED, NOTIFY OWNER / ENGINEER FOR INSTRUCTIONS ON CORRECTIVE ACTIONS.
6. BLANK-OFF OPENINGS IN EXISTING DUCTWORK, PLENUMS, FAN SYSTEM CASINGS, ETC. TO INSURE AN AIR-TIGHT SEAL.
7. PIPING AND DUCTWORK ELEVATIONS SHOWN ARE APPROXIMATE. FIELD VERIFY AND MODIFY AS REQUIRED TO SUIT ACTUAL CONDITIONS.
8. SANITARY WASTE AND COOLING HEAT TRANSFER SURFACE CONDENSATE DRAINAGE PIPING SHALL PITCH DOWN IN THE DIRECTION OF FLOW, ¼ INCH PER FOOT, MINIMUM.

LEGEND

GC	-	GENERAL CONTRACTOR	B/B	-	BOILER / BURNER
MC	-	MECHANICAL CONTRACTOR	ACCU	-	AIR COOLED CONDENSING UNIT
HC	-	HEATING CONTRACTOR	VAV	-	VARIABLE VOLUME TERMINAL
PC	-	PLUMBING CONTRACTOR	UH	-	UNIT HEATER
FPC	-	FIRE PROTECTION CONTRACTOR	FD	-	FIRE DAMPER
EC	-	ELECTRICAL CONTRACTOR	EF	-	EXHAUST FAN
EXIST.	-	EXISTING	D	-	DIFFUSER
AFF	-	ABOVE FINISHED FLOOR	G	-	GRILLE
AFG	-	ABOVE FINISHED GRADE	EA	-	EXHAUST AIR
WM	-	WALL MOUNTED	OA	-	OUTSIDE AIR
SR	-	50% RECESSED	RA	-	RETURN AIR
FR	-	FULLY RECESSED	SA	-	SUPPLY AIR
GPM	-	GALLONS PER MINUTE	TA	-	TRANSFER AIR
CFM	-	CUBIC FEET OF AIR PER MINUTE	MA	-	MIXED AIR
NC	-	NORMALLY CLOSED	CA	-	COMBUSTION AIR
NO	-	NORMALLY OPEN	CV	-	CONTROL VALVE
PC	-	PUMPED CONDENSATE	PRV	-	PRESSURE REDUCING VALVE
HWS	-	HOT WATER SUPPLY	BPV	-	BACK PRESSURE VALVE
HWR	-	HOT WATER RETURN	RV	-	RELIEF VALVE
RL	-	REFRIGERANT LIQUID	WC	-	VALVE WITH CHAIN OPERATOR
RHG	-	REFRIGERANT HOT GAS	AOAD	-	AUTOMATIC OUTSIDE AIR DAMPER
RS	-	REFRIGERANT SUCTION	ARAD	-	AUTOMATIC RETURN AIR DAMPER
G	-	GAS	AEAD	-	AUTOMATIC EXHAUST AIR DAMPER
COND	-	CONDENSATE	ADCD	-	AUTOMATIC DRAFT CONTROL DAMPER
COB	-	CHANGE OVER BOX	BDD	-	BACK DRAFT DAMPER
			VD	-	VOLUME DAMPER

SYMBOLS

——	-	PROPOSED
——	-	EXISTING
~~	-	EXISTING TO BE REMOVED
	-	CONNECT TO EXISTING
	-	UNDER CUT DOOR
	-	UNION
	-	FLANGE
	-	CONCENTRIC REDUCER
	-	STRAINER
	-	STRAINER (WITH BLOW DOWN)
	-	MANUAL AIR VENT
	-	GATE VALVE
	-	GLOBE VALVE
	-	PLUG TYPE GLOBE VALVE
	-	GLOBE VALVE (HOSE END & CAP)
	-	SWING CHECK VALVE
	-	BALL VALVE
	-	PRESSURE REDUCING VALVE
	-	BACK PRESSURE VALVE
	-	RELIEF VALVE
	-	PRESSURE GAUGE
	-	THERMOMETER
T	-	SPACE TEMPERATURE SENSOR
CO	-	DRAIN CLEANOUT PLUG



FIRST FLOOR REMOVALS PLAN

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

NORTH

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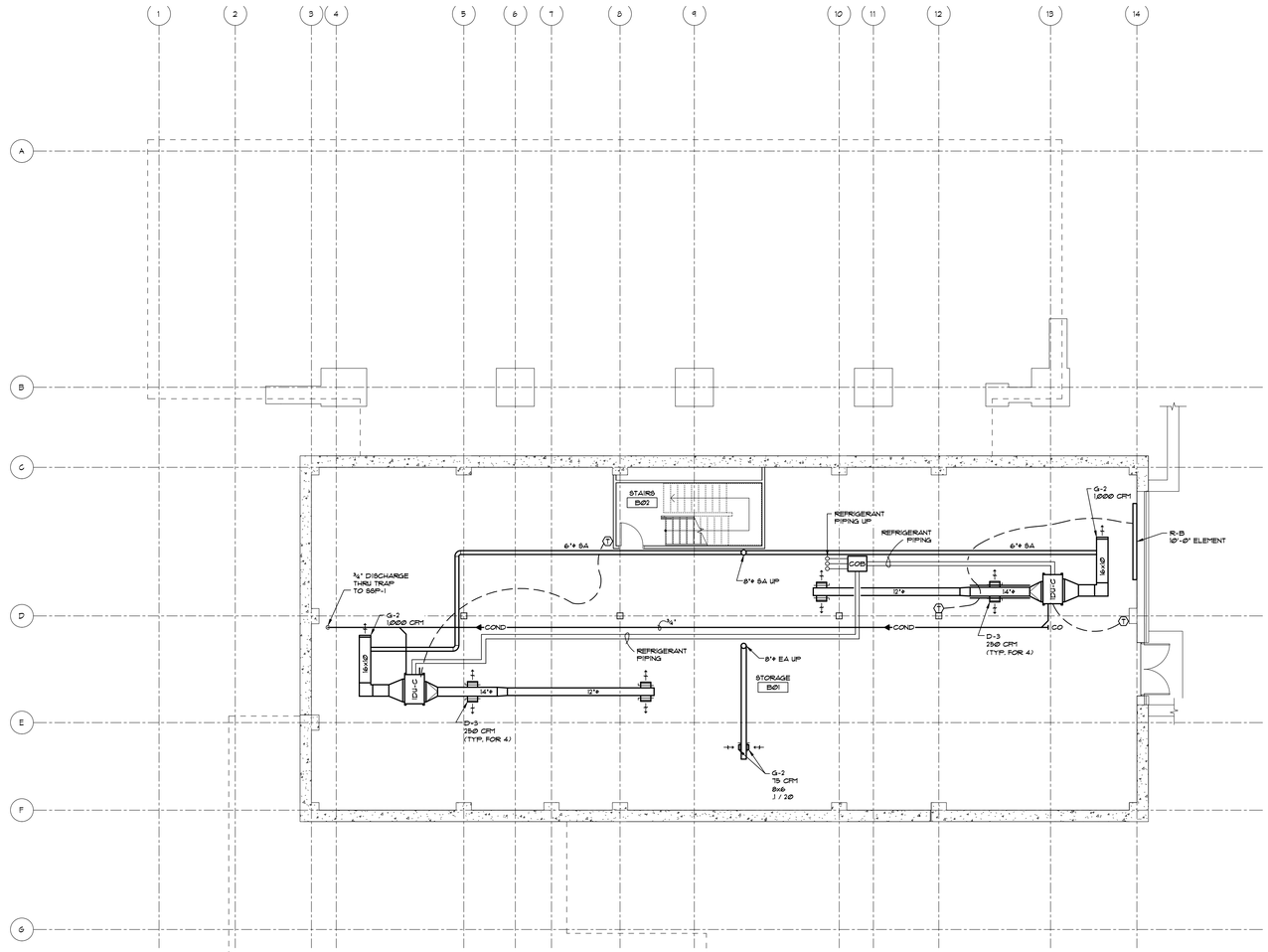
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	CM
CHECKED BY	CDK
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

DRAWING TITLE
ROOF AND FIRST FLOOR REMOVALS PLANS

DRAWING NO.
MD101



BASEMENT FLOOR PLAN

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

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DATE	MARCH 13, 2025
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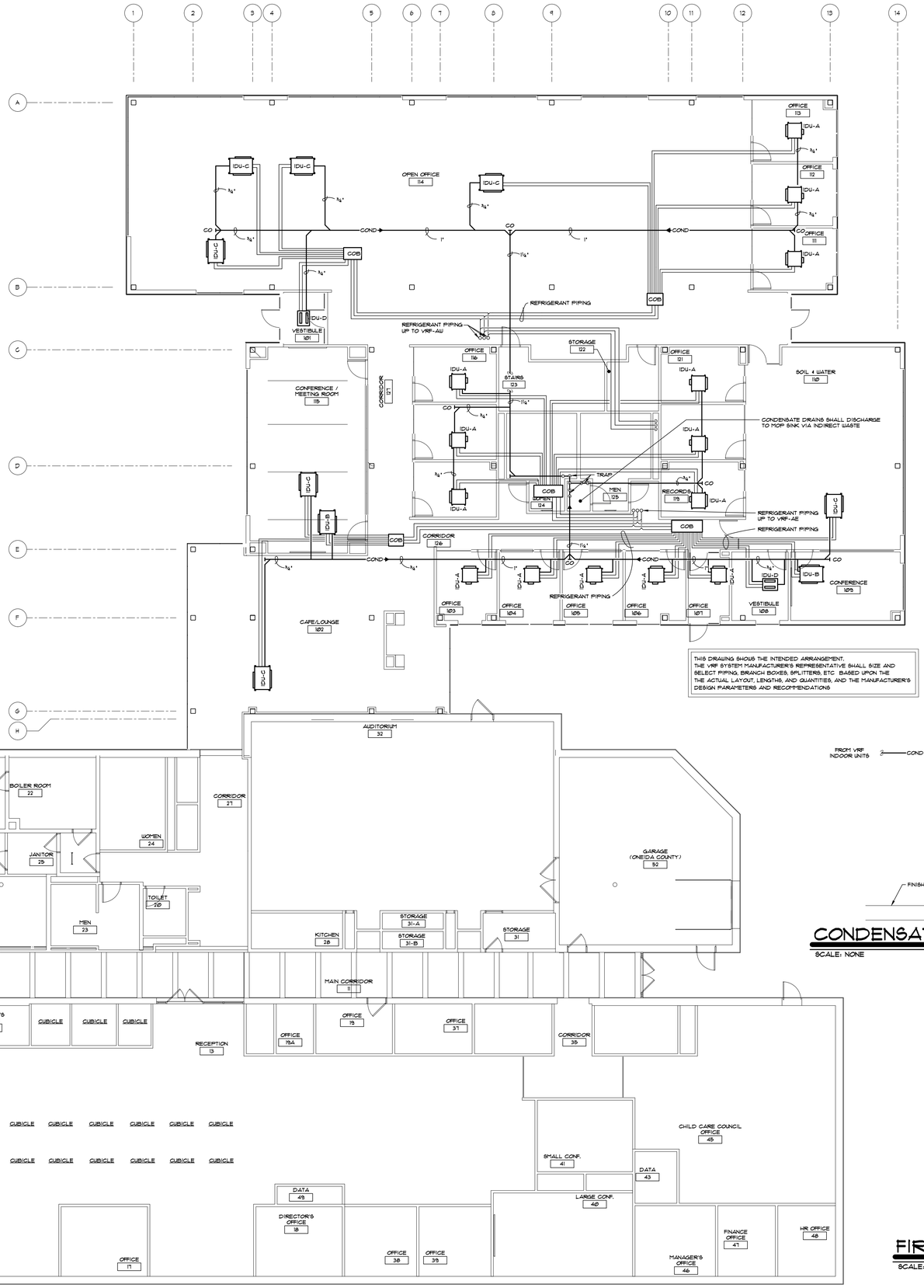
CHECKED BY	GHS
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

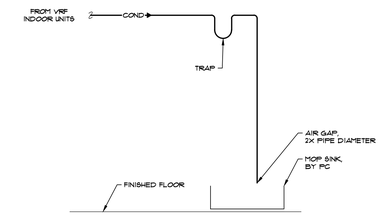
DRAWING TITLE
BASEMENT FLOOR PLAN

DRAWING NO.
M101



FIRST FLOOR PLAN (PIPING)

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



CONDENSATE DISPOSAL DETAIL

SCALE: NONE

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REVISIONS			
DATE			MARCH 13, 2025
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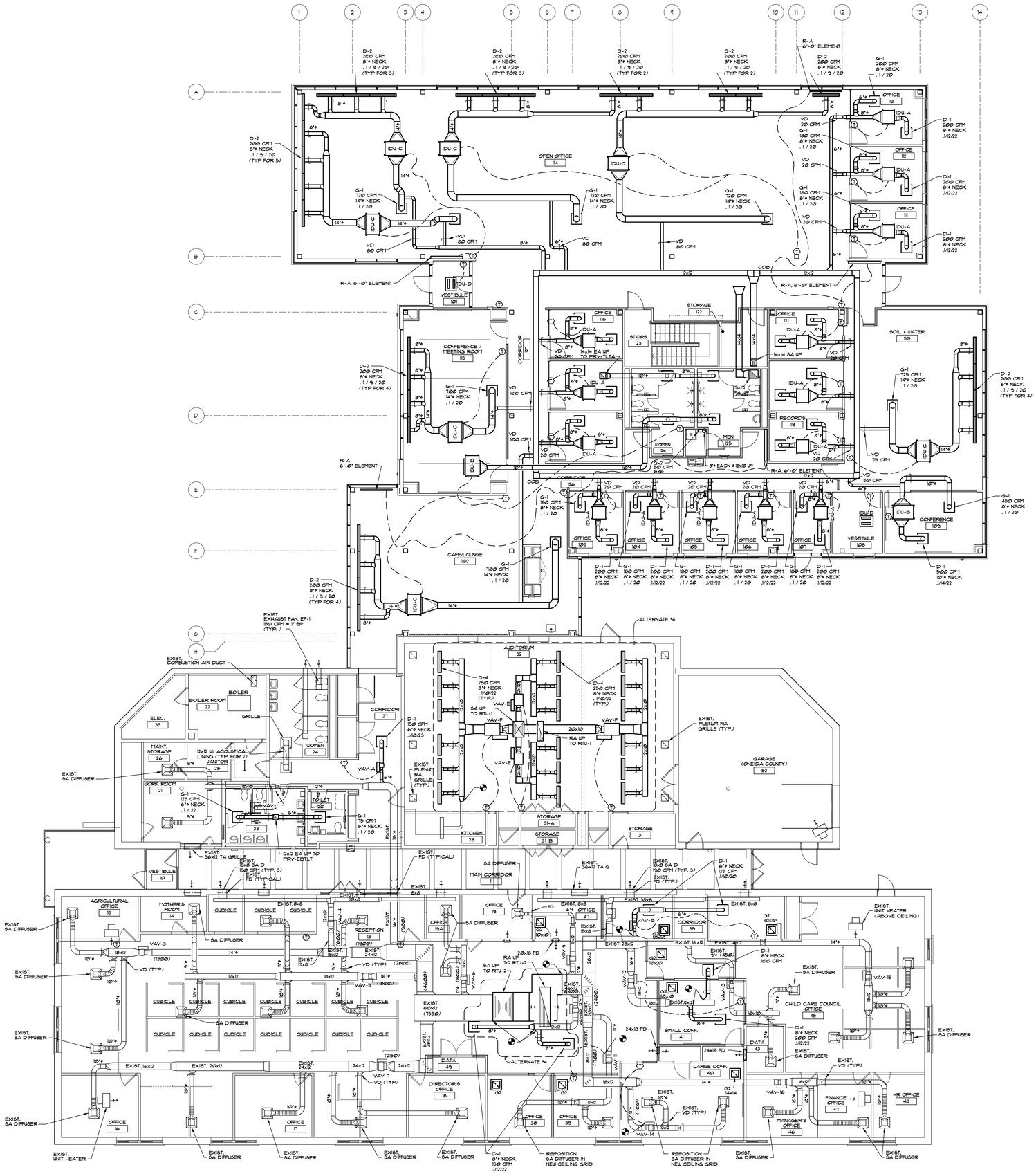
SCALE			AS NOTED
PROJECT NO.			23036 (4011)

DRAWING TITLE
FIRST FLOOR PLAN (PIPING)

DRAWING NO.
M102



FIRST FLOOR PLAN (DUCTWORK)

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

NORTH

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REVISIONS			
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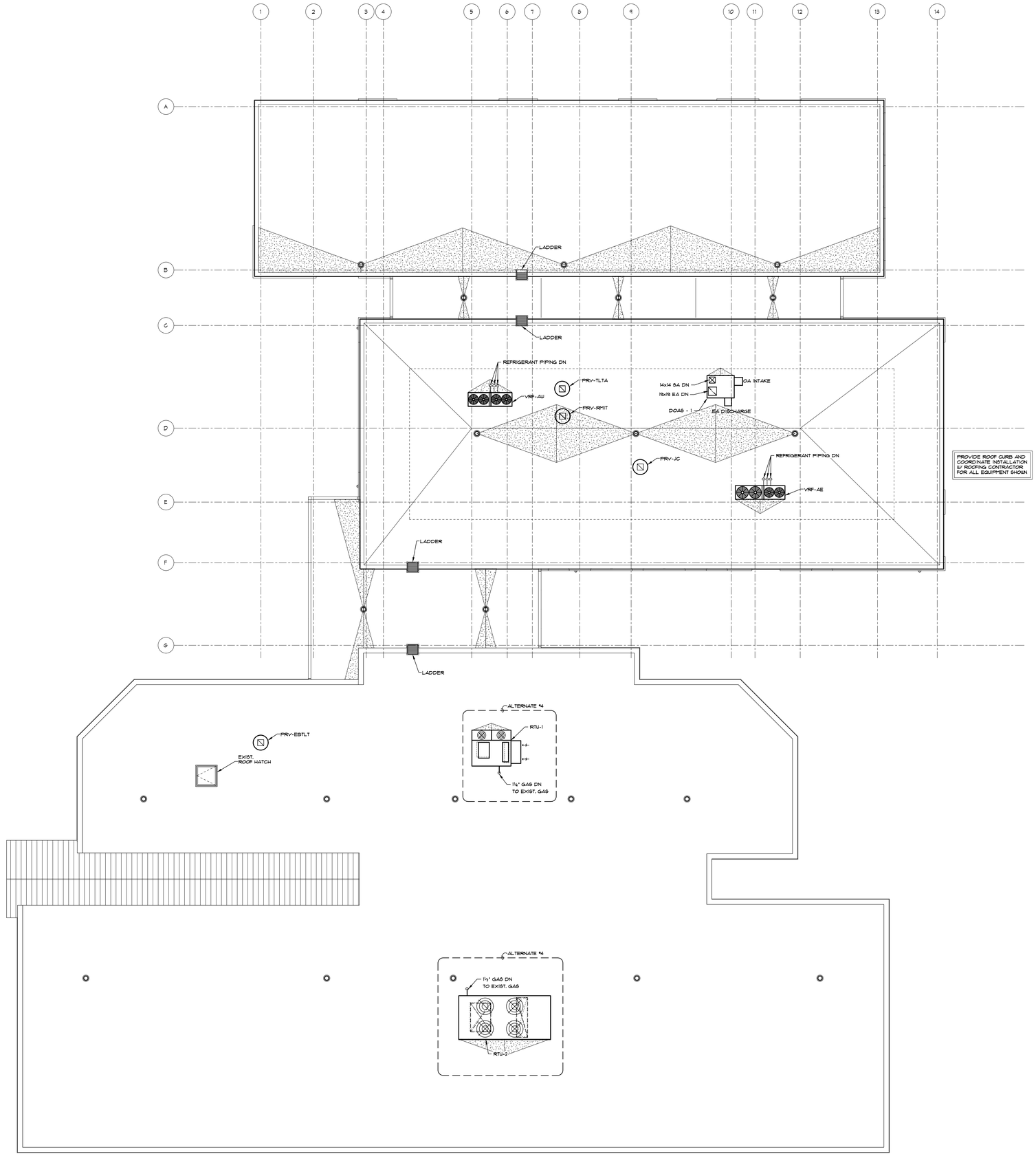
CHECKED BY	GDK		
SCALE	AS NOTED		
PROJECT NO.	23036 (4011)		

DRAWING TITLE
FIRST FLOOR PLAN (DUCTWORK)

DRAWING NO.
M103



ROOF PLAN

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

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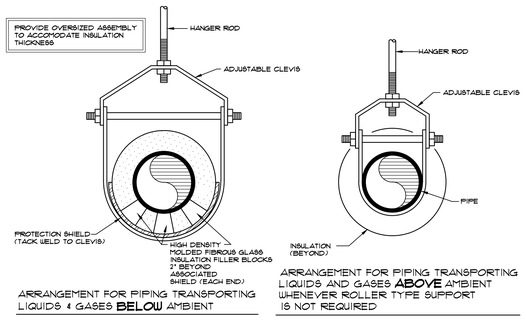
DRAWING TITLE
ROOF PLAN

DRAWING NO.
M104

PROTECTION SHIELDS SCHEDULE		
PIPE SIZE (INCHES)	GAUGE	LENGTH (INCHES)
½ THRU 2	22	8
2½ THRU 4	20	10
5 AND UP	18	12

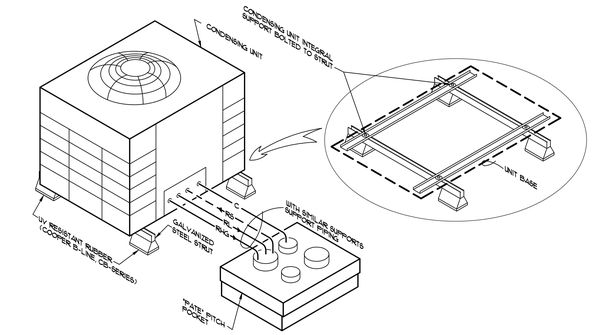


ARRANGEMENT FOR PIPING TRANSPORTING LIQUIDS & GASES **BELOW** AMBIENT

ARRANGEMENT FOR PIPING TRANSPORTING LIQUIDS AND GASES **ABOVE** AMBIENT WHENEVER ROLLER TYPE SUPPORT IS NOT REQUIRED

PIPING SUPPORT, SUSPENDED (CLEVIS)

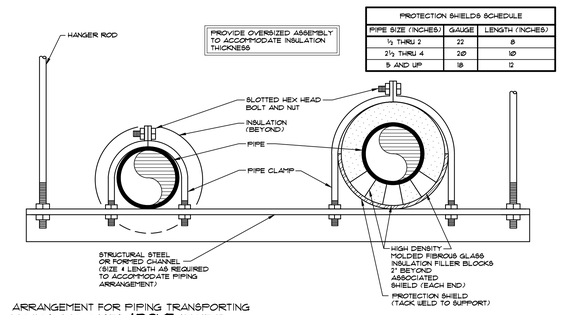
SCALE: NONE



PIPING CONNECTIONS AT ROOFTOP MOUNTED AIR COOLED CONDENSING UNITS

SCALE: NONE

PROTECTION SHIELDS SCHEDULE		
PIPE SIZE (INCHES)	GAUGE	LENGTH (INCHES)
½ THRU 2	22	8
2½ THRU 4	20	10
5 AND UP	18	12

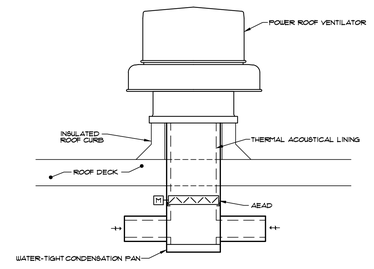


ARRANGEMENT FOR PIPING TRANSPORTING LIQUIDS AND GASES **ABOVE** AMBIENT WHENEVER ROLLER TYPE SUPPORT IS NOT REQUIRED

ARRANGEMENT FOR PIPING TRANSPORTING LIQUIDS & GASES **BELOW** AMBIENT

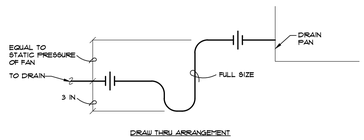
PIPING SUPPORT, SUSPENDED (TRAPEZE)

SCALE: NONE



POWER ROOF VENTILATOR DETAIL

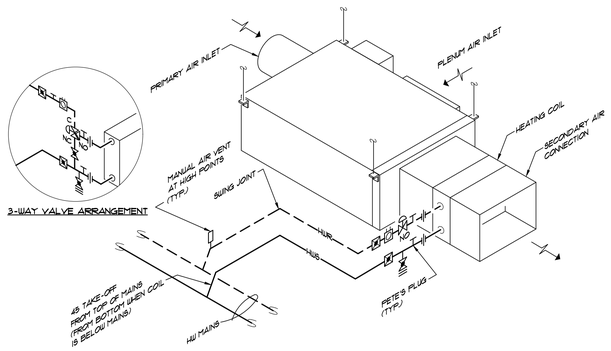
SCALE: NONE



DRAW THRU ARRANGEMENT

PIPING CONNECTIONS AT INDOOR VRF UNITS DRAIN PAN

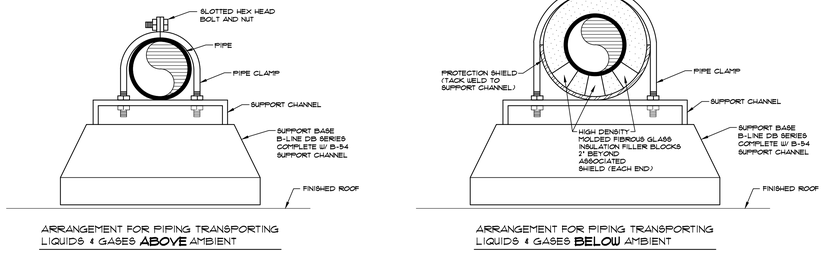
SCALE: NONE



PIPING CONNECTIONS AT VARIABLE AIR VOLUME TERMINALS

SCALE: NONE

PROTECTION SHIELDS SCHEDULE		
PIPE SIZE (INCHES)	GAUGE	LENGTH (INCHES)
½ THRU 2	22	8
2½ THRU 4	20	10
5 AND UP	18	12

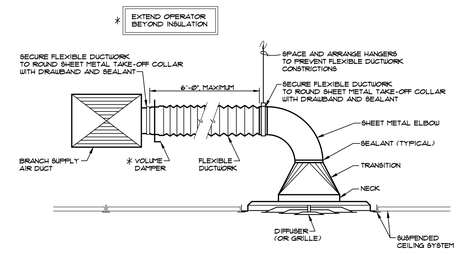


ARRANGEMENT FOR PIPING TRANSPORTING LIQUIDS & GASES **ABOVE** AMBIENT

ARRANGEMENT FOR PIPING TRANSPORTING LIQUIDS & GASES **BELOW** AMBIENT

PIPING SUPPORT, ROOF

SCALE: NONE



TYPICAL BRANCH DUCT CONNECTIONS AT DIFFUSERS AND GRILLES UNLESS OTHERWISE SHOWN

SCALE: NONE

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CORNELL COOPERATIVE EXTENSION
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121 SECOND STREET, ORISKANY, NY 13424

NO.	DESCRIPTION	BY	DATE
REVISIONS			

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SCALE	AS NOTED
PROJECT NO.	23036 (4011)

DRAWING TITLE
DETAILS

DRAWING NO.
M601

ROOFTOP HEATING, VENTILATING, AND AIR CONDITIONING UNIT SCHEDULE

UNIT #	AREA SERVED	MFR / MODEL	SUPPLY FAN SECTION: TOTAL AIR FLOW CFM	SUPPLY FAN SECTION: SP IN WG TTL / EXT	SUPPLY FAN SECTION: BHP	SUPPLY FAN SECTION: HP	EXHAUST FAN SECTION: TOTAL AIR FLOW CFM	EXHAUST FAN SECTION: BHP	EXHAUST FAN SECTION: HP	GAS FIRED HEATING SECTION: CAPACITY: INPUT MBH	GAS FIRED HEATING SECTION: CAPACITY: OUTPUT MBH	GAS FIRED HEATING SECTION: TURNDOWN RATIO	GAS FIRED HEATING SECTION: EAT F	GAS FIRED HEATING SECTION: LAT F	GAS FIRED HEATING SECTION: AIRSIDE VELOCITY IN WG	DX COOLING SECTION: CAPACITY: TOTAL MBH	DX COOLING SECTION: CAPACITY: SENSIBLE MBH	DX COOLING SECTION: MIN AIR FLOW CFM	DX COOLING SECTION: FACE VELOCITY FPM	DX COOLING SECTION: EAT db / wb F	DX COOLING SECTION: LAT db F	DX COOLING SECTION: AIRSIDE PD WET IN WG	DX COOLING SECTION: EFFICIENCY ① : EER	DX COOLING SECTION: EFFICIENCY ①: IEER	DX COOLING SECTION: AMBIENT F	PRE-FILTERS: TYPE Ⓐ	PRE-FILTERS: EFFICIENCY Ⓑ Ⓒ Ⓔ	FINAL FILTERS: TYPE	FINAL FILTERS: EFFICIENCY Ⓑ Ⓒ Ⓓ	REMARKS
RTU-1	MEETING ROOMS	AAON / RN-Ø13 SERIES	4350	3.1 / 1.5	3.3	5.Ø	4350	1.9	3.Ø	293	234	10:1	56	97	Ø.1	158	127	---	312	80 / 66	54	Ø.3	11.5	20	95	2" PL	MERV 8	4" PL	MERV 13	
RTU-2	OFFICE AREA	AAON / RN4-Ø31 SERIES	12,000	3.Ø / 1.9	14.8	20	9,000	3.7	7.5	600	480	10:1	56	93	Ø.1	384	324	---	370	80 / 66	54	Ø.4	10.7	18.2	95	2" PL	MERV 8	4" PL	MERV 13	

Ⓐ PL -- PLEATED

Ⓑ ASHRAE 52-76, ATMOSPHERIC DUST
Ⓒ HEPA, HIGH EFFICIENCY PARTICULATE AIR Ø.3 MICRON DOP
Ⓓ MINIMUM EFFICIENCY REPORTING VALUE

① BTUH / KW IN ACCORDANCE WITH AHRI STANDARD 340/36Ø (I-P)

DEDICATED OUTDOOR AIR SYSTEMS UNITS SCHEDULE

UNIT # DOAS-	AREA SERVED	MFR / MODEL	DESIGN CONDITIONS SUMMER: OA db / wb	RA db / wb	EA db / wb	CAPACITY REDUCTION BTUH	DESIGN CONDITIONS WINTER: OA db / wb	RA db / wb	EA db / wb	CAPACITY REDUCTION	SUPPLY FAN: AIR FLOW CFM	EXTERNAL STATIC PRESSURE IN. WC.	RPM	BHP	HP	EXHAUST FAN: AIR FLOW CFM	EXTERNAL STATIC PRESSURE IN. WC.	RPM	BHP	HP	FILTERS: OUTDOOR / SUPPLY	RETURN / EXHAUST	REMARKS
1	ADDITION	GREENHECK / ERV-20 SERIES	89 / 75	77 / 65	75 / 63	81 / 73	52,300	-2.7 / -4.1	68 / 47	72 / 56	11 / 11	89,000	1,400	Ø.5	1,725	Ø.5	¾	1,400	Ø.5	1,725	Ø.5	¾	2" PLEATED	2" PLEATED	
																							MERV 8	MERV 8	

Ⓐ EAT; LAT;

GRILLES SCHEDULE Ⓐ Ⓑ

UNIT # G-	MFR/MODEL	TYPE Ⓒ	CONSTRUCTION: ALUMINUM	CONSTRUCTION: STEEL	CONSTRUCTION: POLISHED BRASS	CONSTRUCTION: OTHER	FINISH: WHITE POWDER COAT	FINISH: CLEAR ANODIZED	FINISH: CORROSION RESISTANT EPOXY	FINISH: OTHER	REMARKS
1	PRICE / FDDR	FPP		●			●				① ②
2	PRICE / 535	SW		●			●				

Ⓐ PERFORMANCE PARAMETERS: X/Z (REFER TO DRAWINGS)
X -- TOTAL STATIC PRESSURE DROP AT THE OUTLET, INCHES W.G.
Z -- ALLOWABLE NOISE CRITERIA (NC)

Ⓑ REFER TO DRAWINGS FOR FACE DIMENSIONS AND NECK SIZE

Ⓒ FPP -- PERFORATED PANEL
SW -- SIDE WALL

① 24x24 FACE, UNLESS OTHERWISE NOTED

② BACKPAN PAINTED BLACK

VARIABLE AIR VOLUME TERMINALS SCHEDULE

UNIT # VAV-	MFR / MODEL	NOMINAL DIMENSIONS WXLXH / INLET DIA IN	AIRFLOW: MAXIMUM CFM* ①	AIRFLOW: MINIMUM % ②	INLET SP IN WG	COIL EAT F	COIL LAT F	CAPACITY: KW	CAPACITY: BTUH	REMARKS
A	JCI / TSS Ø4	16 x 30 x 10 / 4	200	30	Ø.15	60	75	1.Ø	---	---
B	JCI / TSS Ø5	16 x 30 x 10 / 5	300	30	Ø.30	60	75	1.5	---	---
** E	JCI / TSS 10	20 x 30 x 14 / 10	1150	30	Ø.40	60	75	5.Ø	---	---
F	JCI / TSS 12	24 x 30 x 16 / 12	1600	30	Ø.40	60	75	7.5	---	---

* UNIT RANGE SHALL BE 20% GREATER

① REFER TO DRAWINGS FOR INDIVIDUAL ZONE SET POINT

② ABOVE CHANGEOVER (MECHANICAL COOLING)

** UNIT TYPE C1 & D NOT USED ON THIS PROJECT, BUT USED ON PAST PROJECTS IN THIS FACILITY

ELECTRIC RADIATION SCHEDULE

UNIT # R-	MFR / MODEL	TYPE	ELEMENT: LENGTH FT	ELEMENT: HEIGHT IN	ELEMENT: DEPTH IN	VOLTAGE	PERFORMANCE: WATTS	PERFORMANCE: BTUH F	COLOR	REMARKS
A	RUNTAL /	FREE STANDING	6	10	2.5	120	875	3,000	①	
	FED SERIES	PEDESTAL								
B	RUNTAL /	FREE STANDING	10	10	2.5	120	1466	5,000	①	
	FED SERIES	PEDESTAL								

① SUBMIT COLOR SELECTION CHART TO ARCHITECT FOR REVIEW

VARIABLE REFRIGERANT FLOW SYSTEMS SCHEDULE

OUTDOOR UNITS

UNIT # VRF-	AREA SERVED	MFR / MODEL	HEATING PERFORMANCE: C.O.P. HIGH/LOW	HEATING PERFORMANCE: CAPACITY 22Ø OAT	HEATING PERFORMANCE: CAPACITY -15Ø OAT	COOLING PERFORMANCE: CAPACITY Ⓐ BTUH	COOLING PERFORMANCE: CAPACITY Ⓐ IEER	SOUND PRESSURE LEVEL dBA	DIMENSIONS W x H x D IN	WEIGHT LBS
AN	ADDITION / NORTH	HITACHI / HVAHR 288B32S	3.42 / 2.23	324,000	214,000	288,000	19.4	68	98 x 31 x 66	1352
AS	ADDITION / SOUTH	HITACHI / HVAHR 336B32S	3.3 / 2.3	378,000	250,000	336,000	20.8	69	113 x 31 x 66	1681

INDOOR UNITS

UNIT # IDU-	MFR / MODEL	TYPE Ⓓ	HEATING CAPACITY BTUH	COOLING CAPACITY BTUH Ⓔ	AIRFLOW CFM L / M / H Ⓒ	EXTERNAL STATIC IN W.C.	MOTOR WATTS	SOUND PRESSURE LEVEL db Ⓔ	DIMENSIONS W x H x D IN	WEIGHT LBS
A	HITACHI / HIDM006 SERIES	HC	6,700	6,000	265 / 220 / 190	Ø.4	157	30	28 x 10 x 32	57
B	HITACHI / HIDM024 SERIES	HC	27,000	24,000	670 / 580 / 490	Ø.4	190	37	41 x 10 x 31	78
C	HITACHI / HIDM036 SERIES	HC	40,000	36,000	1,000 / 900 / 750	Ø.4	260	39	55 x 10 x 31	97
D	HITACHI / HIC1008 SERIES	CST	9,000	8,000	300 / 265 / 230	---	50	---	43 x 3 x 31	10

Ⓐ EAT: 95F
Ⓑ EAT: 80F db / 67 WB

Ⓒ L/M/H --SPEED: LOW/MEDIUM/HIGH

Ⓓ WM -- WALL MOUNTED
CR -- CEILING RECESSED
CS -- CEILING SUSPENDED
CST -- CASSETTE
HC -- HORIZONTAL CONCEALED

Ⓔ HIGH SPEED FAN

Ⓕ LI -- LONG LIFE FILTER

INSULATION SCHEDULE Ⓒ

DESIGNATION	EQUIPMENT OR SYSTEM SERVED	TYPE Ⓐ: INTERIOR CONCEALED	TYPE Ⓐ: INTERIOR EXPOSED	TYPE Ⓐ: EXTERIOR	JACKETING GLASS Ⓑ: INTERIOR GENERAL	JACKETING GLASS Ⓑ: EQUIPMENT ROOMS	JACKETING GLASS Ⓑ: EXTERIOR	THICKNESS IN NOMINAL PIPE SIZE IN: ½ - 1½	2 - 4	5 - 6	8 & UP	DUCTWORK Ⓔ
A	ALL REFRIGERANT PIPING, RHG, RL, RS	FPP	---	---	Ø	---	---	1	1	1	1½	
		---	FPP	---	Ø	4	---	1	1	1	1½	
		---	---	FPP	---	---	4	1	1	1	1½	
C	DCU COOLING COIL CONDENSATE PIPING	FPP	---	---	Ø	---	---	½	½	½	½	
		---	FPP	---	Ø	4	---	½	½	½	½	
F	HUB, HUR	FG	---	---	1	---	---	1½	2	2½	3	
		---	FG	---	1	1.5	---	1½	2	2½	3	
		---	---	UR	---	---	6	2	3	3	4	
I	DUCTWORK	FG (F)	---	---	2	---	---	---	---	---	---	1½
		---	FG (G)	---	2	2 x 3	---	---	---	---	---	2 (H)
		---	---	FG (G)	---	---	8	---	---	---	---	2

Ⓐ FG -- FIBROUS GLASS
FPP -- FLEXIBLE FOAM PLASTIC

Ⓒ INSULATION TYPE, JACKETING & THICKNESS FOR EQUIPMENT SHALL MATCH THE CORRESPONDING PIPING SYSTEM'S PARAMETERS LISTED FOR: EQUIPMENT ROOMS, NOMINAL PIPE SIZE 8" AND LARGER

Ⓑ Ø -- NONE
1 -- ALL SERVICE
2 -- ALUMINUM FOIL
3 -- CANVAS
4 -- POLYVINYL CHLORIDE

Ⓔ SUPPLY AIR, OUTSIDE AIR AND MIXED AIR ; EXHAUST AIR WITHIN 20 FT OF BUILDING EXTERIOR

Ⓕ BLANKET Ⓖ RIGID BOARD

Ⓗ EXCEPT SUPPLY AIR IN CONDITIONED SPACE

Ⓓ ROOF DRAIN BODIES, HORIZONTAL RUNS AND OFF-SETS, AND VERTICAL PORTION OF EACH CONDUCTOR TO JUNCTURE WITH BELOW GRADE PIPING

POWER ROOF VENTILATORS SCHEDULE

UNIT # PRV-	EQUIPMENT OR SYSTEM SERVED	MFR / MODEL	AIR FLOW CFM	STATIC PRESSURE IN WG	WHEEL DIA IN	RPM	BHP	HP	SOUND RATING SONES	REMARKS
TLTA	TOILET ROOM / ADDITION	GREENHECK / G-99	400	Ø.375		1000	Ø.Ø5	Ø.25	6	①
EBTLT	EXIST. BUILDING / TOILET ROOM	GREENHECK / G-97	200	Ø.375		1285	Ø.Ø4	Ø.25	6	①
JC	JANITOR'S CLOSET	GREENHECK / G-97	200	Ø.375		1285	Ø.Ø4	Ø.25	6	①

① DIRECT DRIVE, W/ VARI-GREEN MOTOR AND SOLID STATE SPEED CONTROLLER

DIFFUSERS SCHEDULE Ⓐ Ⓑ

UNIT # D-	MFR/MODEL	TYPE Ⓒ	CONSTRUCTION: ALUMINUM	CONSTRUCTION: STEEL	CONSTRUCTION: POLISHED BRASS	CONSTRUCTION: OTHER	FINISH: WHITE POWDER COAT	FINISH: CLEAR ANODIZED	FINISH: CORROSION RESISTANT EPOXY	FINISH: OTHER	REMARKS
1	PRICE / SMDA	LS		●			●				①
2	PRICE / SDAI 50	LSFP		●			●				60 IN. LENGTH, THREE - 1/2" SLOTS
3	PRICE / 520	SW		●			●				
4	PRICE / SDAI 50	LSFP		●			●				48 IN. LENGTH, FOUR - 1/2" SLOTS

Ⓐ PERFORMANCE PARAMETERS: X/Y/Z (REFER TO DRAWINGS)
X -- TOTAL STATIC PRESSURE DROP AT THE OUTLET, INCHES W.G.
Y -- THROW IN FEET FROM THE CENTER LINE OF THE DIFFUSER TO A POINT WHERE TERMINAL VELOCITY IS 100 FPM OR LESS
Z -- ALLOWABLE NOISE CRITERIA (NC)

Ⓑ REFER TO DRAWINGS FOR FACE DIMENSIONS, NECK SIZE AND DISTRIBUTION PATTERN

Ⓒ LS -- LOUVERED, SQUARE
LSFP -- LINEAR SLOT PLENUM

① 24x24 FACE, UNLESS OTHERWISE NOTED

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ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	CM
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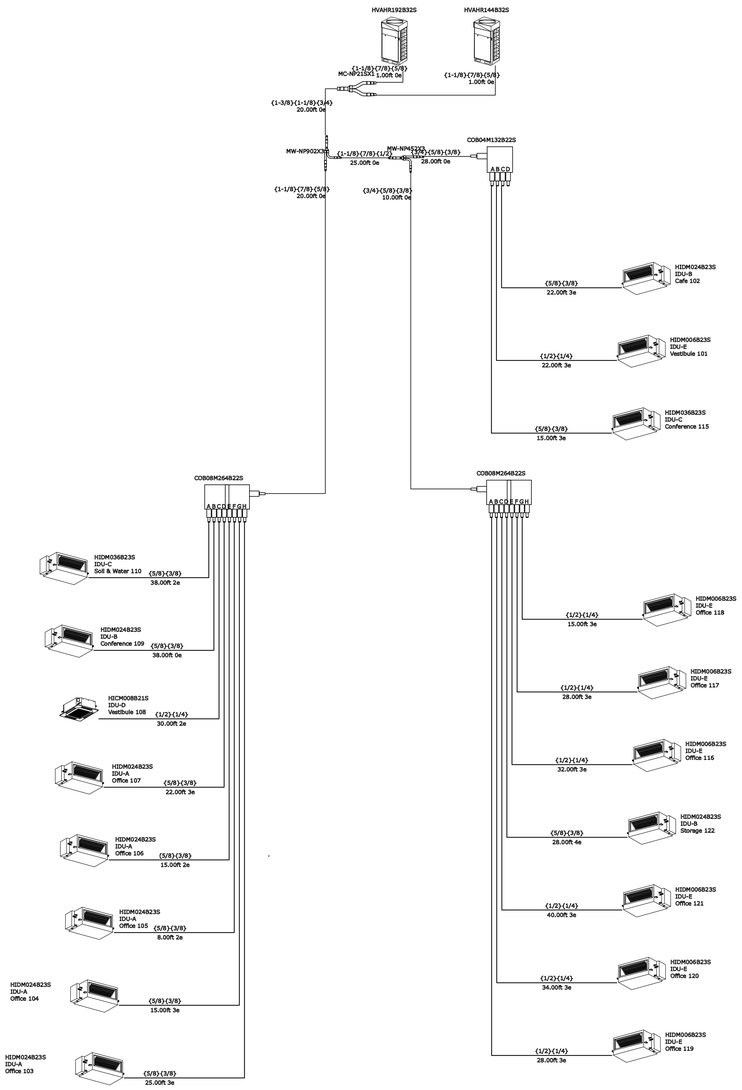
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

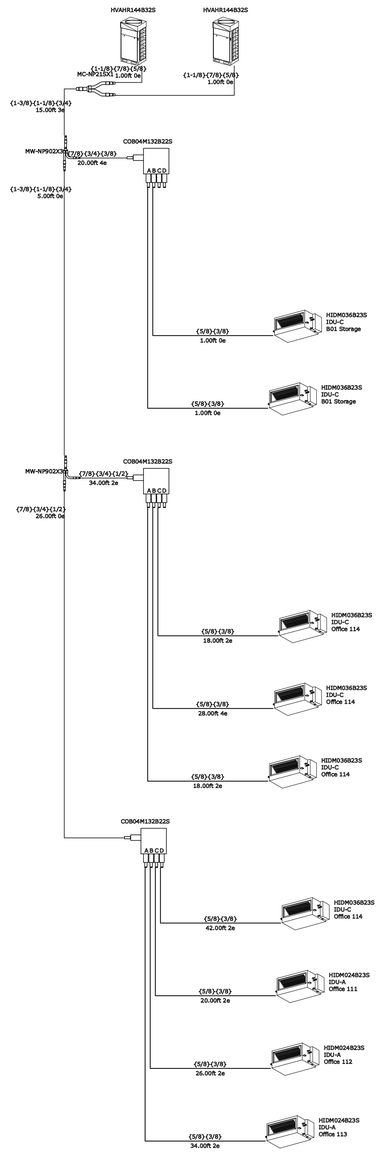
DRAWING TITLE
SCHEDULES

DRAWING NO.
M602

VRF-AS



VRF-AN



THIS SCHEMATIC IS CONCEPTUAL AND IS INTENDED TO SHOW THE APPROXIMATE ARRANGEMENT, UPON AWARD OF THE PROJECT THE VRF SYSTEM MANUFACTURER'S REPRESENTATIVE SHALL SELECT PIPING BASED UPON THE ACTUAL LAYOUT, LENGTHS, AND QUANTITIES DEPICTED ON THE FLOOR PLANS.

VARIABLE REFRIGERANT FLOW SYSTEM SCHEMATICS

SCALE: NONE

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121 SECOND STREET, ORISKANY, NY 13424

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DRAWING TITLE
SCHEMATICS

DRAWING NO.
M603

EQUIPMENT / MOTOR - WIRING - CONTACTOR / MOTOR STARTER - DISCONNECT SCHEDULE

EQUIPMENT/MOTOR							BRANCH CIRCUIT PARAMETERS (C.U.)				CONTACTOR/MOTOR STARTER													DISCONNECT						
														DESCRIPTION							COVER								
ITEM NUMBER	UNIT NUMBER	DESCRIPTION	LOCATION	HORSE POWER (OR KW, AS NOTED)	PHASE	NAMEPLATE VOLTAGE	INTERLOCK WITH EQ.	SUPPLY VOLTAGE	PANEL OR CONTROL CENTER	CIRCUIT BREAKER	WIRING	LOCATION	FURNISHED BY	INSTALLED BY	MANUAL	MAGNETIC	COMBINATION UNFUSED DISCONNECT	COMBINATION FUSED DISCONNECT	ADJUSTABLE FREQUENCY CONTROLLER (AFC)	OTHER	ACCESSORIES	BLANK	REMOTE POSITION	START/STOP	HAND-OFF-AUTOMATIC	PILOT LIGHT	LOCATION	FURNISHED BY	INSTALLED BY	FUSED	NON-FUSED
1	DOAS-1	DEDICATED OUTDOOR AIR SYSTEM	ROOF	7.7A	3	208		208	P-1	15A-3P	3-#12 & 1-#12 G. IN 1/2" C.	INTEGRAL WITH UNIT															AT UNIT	EG	EG	NEMA 3R	
2	VRF-AE-1	VARIABLE REFRIGERANT FLOW ADDITION	ROOF	35A	3	480		480	HVP-1	50A-3P	3-#6 & 1-#10 G. IN 1" C.	INTEGRAL WITH UNIT															AT UNIT	EG	EG	NEMA 3R	
3	VRF-AE-2	VARIABLE REFRIGERANT FLOW ADDITION	ROOF	36A	3	480		480	HVP-1	35A-3P	3-#8 & 1-#10 G. IN 1" C.	INTEGRAL WITH UNIT															AT UNIT	EG	EG	NEMA 3R	
4	VRF-AU-1	VARIABLE REFRIGERANT FLOW ADDITION	ROOF	36A	3	480		480	HVP-1	35A-3P	3-#8 & 1-#10 G. IN 1" C.	INTEGRAL WITH UNIT															AT UNIT	EG	EG	NEMA 3R	
5	VRF-AU-2	VARIABLE REFRIGERANT FLOW ADDITION	ROOF	36A	3	480		480	HVP-1	35A-3P	3-#8 & 1-#10 G. IN 1" C.	INTEGRAL WITH UNIT															AT UNIT	EG	EG	NEMA 3R	
6	COB-1	MULTIPLE PORT CHANGE-OVER BOX	REFER TO DRAWINGS	Ø.2A	1	208		208	REFER TO DRAWINGS		2-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						SENSOR							AT UNIT	EG	EG	●		
7	COB-2	MULTIPLE PORT CHANGE-OVER BOX	REFER TO DRAWINGS	Ø.4A	1	208		208	REFER TO DRAWINGS		2-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						SENSOR							AT UNIT	EG	EG	●		
8	IDU-A	INDOOR UNIT	REFER TO DRAWINGS	15kW	1	208		208	REFER TO DRAWINGS	15A-2P	2-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						SENSOR							AT UNIT	EG	EG	●		
9	IDU-B	INDOOR UNIT	REFER TO DRAWINGS	18kW	1	208		208	REFER TO DRAWINGS	15A-2P	2-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						SENSOR							AT UNIT	EG	EG	●		
10	IDU-C	INDOOR UNIT	REFER TO DRAWINGS	24kW	1	208		208	REFER TO DRAWINGS	15A-2P	2-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						SENSOR							AT UNIT	EG	EG	●		
11	IDU-D	INDOOR UNIT	REFER TO DRAWINGS	54kW	1	208		208	REFER TO DRAWINGS	15A-2P	2-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						SENSOR							AT UNIT	EG	EG	●		
12	NOT USED																															
13	NOT USED																															
14	PRV-TLTA	POWER ROOF VENTILATOR	ROOF	1/4	1	115		120	P-1	15A-1P	2-#12 & 1-#12 G. IN 1/2" C.	ELEC. 122	MC	EG						②							INTEGRAL WITH UNIT					
15	PRV-EBTLT	POWER ROOF VENTILATOR	ROOF	1/4	1	115		120	LPA	15A-1P	2-#12 & 1-#12 G. IN 1/2" C.	ELEC. 33	MC	EG						②							INTEGRAL WITH UNIT					
16	PRV-JC	POWER ROOF VENTILATOR	ROOF	1/4	1	115		120	P-1	15A-1P	2-#12 & 1-#12 G. IN 1/2" C.	J.C. 125A	MC	EG						②							INTEGRAL WITH UNIT					
17	RTU-1	ROOF TOP UNIT	ROOF (EXIST. BUILDING)	40A	3	460		480	HVP-1	50A-3P	3-#6 & 1-#10 G. IN 1" C.	INTEGRAL WITH UNIT															AT UNIT	EG	EG	NEMA 3R	①	
18	RTU-2	ROOF TOP UNIT	ROOF (EXIST. BUILDING)	96A	3	460		480	HVP-1	125A-3P	3-#1/0 & 1-#6 G. IN 2" C.	INTEGRAL WITH UNIT															AT UNIT	EG	EG	NEMA 3R	①	
19	R-A	ELECTRIC FIN RADIATION	REFER TO DRAWINGS	875W	1	120		120	P-1	15A-1P	2-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						THERMOSTAT							③					
20	R-B	ELECTRIC FIN RADIATION	STORAGE B01	875W	1	120		120	P-1B	15A-1P	2-#12 & 1-#12 G. IN 1/2" C.	STORAGE B01	MC	MC						THERMOSTAT							③					
21	DWH-1	DOMESTIC WATER STORAGE HEATER	WOMEN 124	2.0 KW	1	120		120	P-1	20A-1P	2-#12 & 1-#12 G. IN 1/2" C.	INTEGRAL WITH UNIT														●	AT UNIT	EG	EG			
22	SSP	SUMP PUMP	STORAGE B01	1/2	1	115		120	P-1B	20A-1P	2-#12 & 1-#12 G. IN 1/2" C.	STORAGE B01	MC	EG						CONTROL PANEL							AT UNIT	EG	EG	●		
23	VAV-A	VARIABLE AIR VOLUME TERMINAL	CORRIDOR 127	1.0KW	1	120		120	LPC	15A-1P	2-#12 & 1-#12 G. IN 1/2" C.	STORAGE B01	MC	MC						THERMOSTAT							AT UNIT	EG	EG	●		
24	VAV-B	VARIABLE AIR VOLUME TERMINAL	STORAGE 36	1.5KW	1	120		120	LPC	20A-1P	2-#12 & 1-#12 G. IN 1/2" C.	STORAGE B01	MC	MC						THERMOSTAT							AT UNIT	EG	EG	●		
25	VAV-E	VARIABLE AIR VOLUME TERMINAL	REFER TO DRAWINGS	5.0KW	3	208		208	LPC	20A-3P	3-#12 & 1-#12 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						THERMOSTAT							AT UNIT	EG	EG	●		
26	VAV-F	VARIABLE AIR VOLUME TERMINAL	REFER TO DRAWINGS	7.5KW	3	208		208	LPC	30A-3P	3-#10 & 1-#10 G. IN 1/2" C.	REFER TO DRAWINGS	MC	MC						THERMOSTAT							AT UNIT	EG	EG	●		

ALTERNATE NO. 4

ALTERNATE NO. 4

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL CONTROL WIRING SHALL BE 120V, PROVIDE CONTROL TRANSFORMERS AS REQUIRED.
2. UNLESS OTHERWISE NOTED, ALL MAGNETIC CONTACTORS AND MOTOR CONTROLLERS SHALL BE COMPLETE WITH ONE SET OF N.O. AND ONE SET OF N.C. AUXILIARY CONTACTS.
3. ATC - AUTOMATIC TEMPERATURE CONTROL

REFERENCE NOTES

① UNIT SHALL SHUT-DOWN IN CONTEXT WITH FIRE ALARM AND DETECTION SYSTEM INTERFACE.

② SOLID STATE SPEED CONTROLLER

③ EC TO PROVIDE CIRCUIT BREAKER PADLOCKING DEVICE.

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CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

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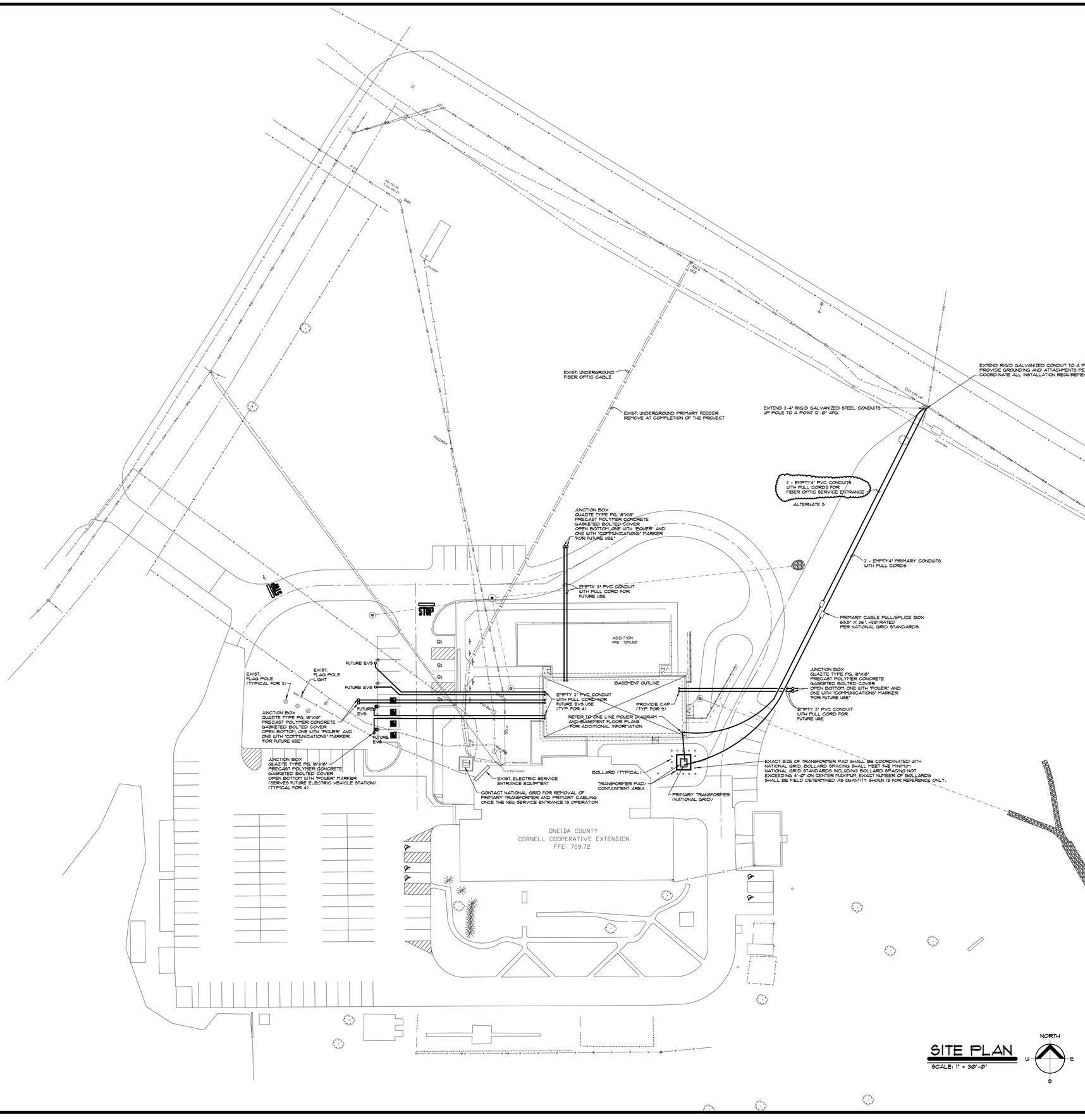
DRAWING TITLE
MOTOR STARTER SCHEDULE

DRAWING NO.
ME100



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121 SECOND STREET, ORISKANY, NY 13424

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DATE	MARCH 18, 2025
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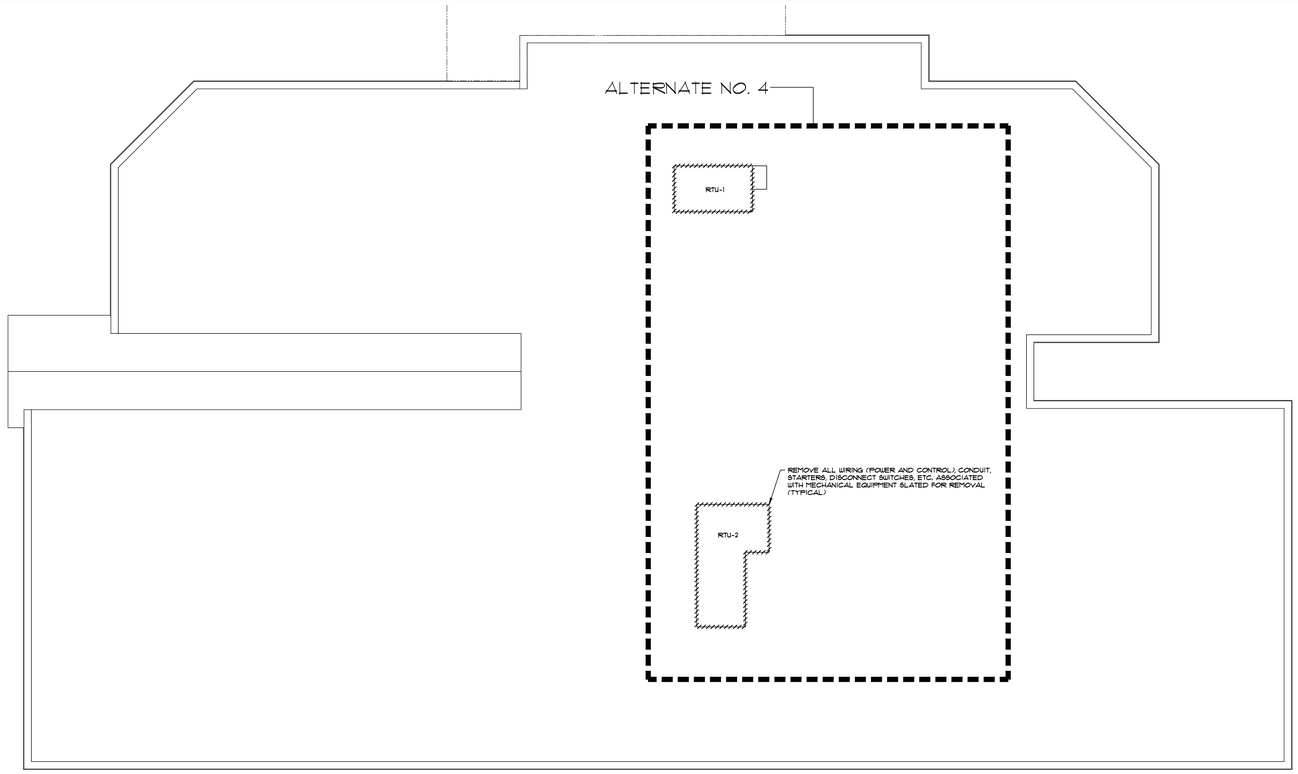
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

DRAWING TITLE
SITE PLAN

DRAWING NO.
E001



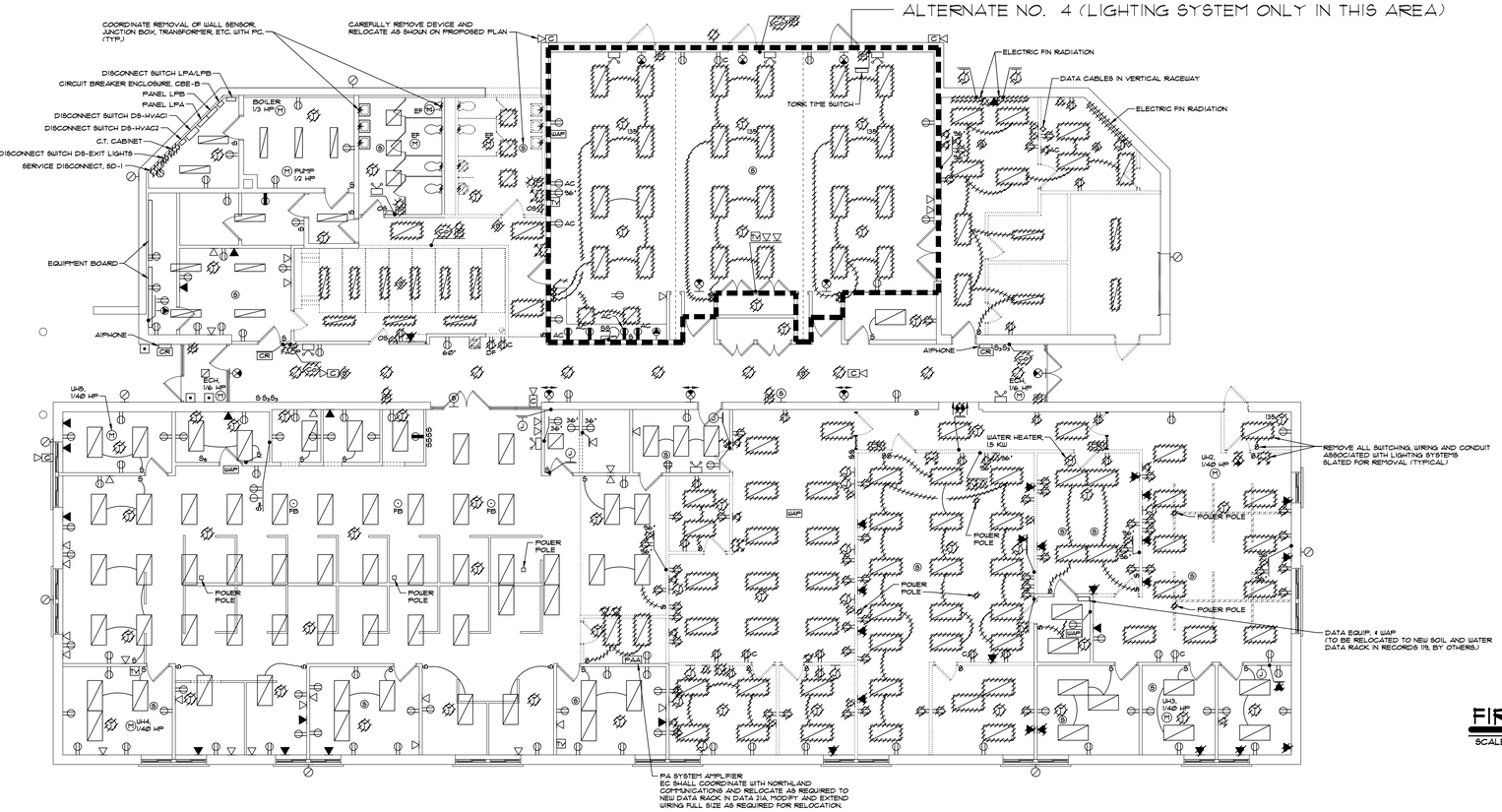
ROOF REMOVALS PLAN

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

NORTH

GENERAL NOTES

1. THOROUGHLY COORDINATE WORK WITH ALL ASSOCIATED WORK EXECUTED BY 'OTHER' CONTRACTORS.
2. EXECUTE ALL WORK IN A FASHION COMPLEMENTARY WITH AND UNOBTRUSIVE TO THE OWNER'S NEEDS AND OPERATIONS, RESPECTIVELY.
3. PROVIDE 'PROTECTION' RELATIVE TO ALL APPLICABLE WORK IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN DIVISION 1.
4. ALL ELECTRICAL EQUIPMENT SLATED FOR REMOVAL SHALL BE REMOVED IN ITS ENTIRETY INCLUDING ALL ASSOCIATED SUPPORT STRUCTURES, CONCRETE EQUIPMENT PADS, WIRING (POWER AND CONTROL) CONDUIT, DISCONNECT SWITCHES, STARTERS, ETC.
5. REMOVE ALL BRANCH CIRCUIT WIRE AND CONDUIT ASSOCIATED WITH EQUIPMENT AND DEVICES SHOWN AND/OR NOTED TO BE REMOVED BACK TO SOURCE.
6. MODIFY BRANCH CIRCUITS WHICH ARE DISRUPTED BY ASSOCIATED REMOVALS TO INSURE THE REQUIRED ARRANGEMENT FOR REMAINING EQUIPMENT AND/OR DEVICES.
7. PROVIDE ALL REQUIRED CUTTING, PATCHING AND INFILL; THEREAFTER, RESTORE ALL AFFECTED SURFACES TO MATCH EXISTING FIRE RATINGS.
8. EACH BRANCH CIRCUIT SHALL BE NO. 12 AWG CONDUCTORS (PHASE, NEUTRAL AND EQUIPMENT GROUND, COMMON OR SHARED NEUTRALS ARE NOT ALLOWED) IN 1/2" CONDUIT WITH 20A-1P CIRCUIT BREAKER (UNLESS OTHERWISE NOTED). ANY BRANCH CIRCUIT WITH A DEVELOPED LENGTH OF 175 FEET OR GREATER SHALL BE NO. 10 AWG CONDUCTORS (PHASE, NEUTRAL AND EQUIPMENT GROUND, COMMON OR SHARED NEUTRALS ARE NOT ALLOWED.).
9. CONDUIT SYSTEMS APPLICATION (UNLESS OTHERWISE NOTED):
   A. INTERIOR SYSTEMS, ALL SIZES:
      1) ELECTRICAL METALLIC TUBING (EMT).
   B. EXTERIOR SYSTEMS ABOVE GRADE, ALL SIZES:
      1) RIGID STEEL CONDUIT (RSC).
   C. TERMINATIONS AT MECHANICAL EQUIPMENT:
      1) LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC).
   D. EXTERIOR SYSTEMS BELOW GRADE, ALL SIZES:
      1) RIGID NON-METALLIC CONDUIT (RNNC).
10. ALL CONDUITS THAT PASS THRU EXTERIOR WALLS OR FIRE FROM A CONDITIONED SPACE TO AN UNCONDITIONED SPACE SHALL BE SEALED WATERTIGHT/FIREPROOF WITH CHASE TECHNOLOGY CORPORATION CTCPR-866 SILICONE SEALANT.
11. BREAKERS DESIGNATED TO SERVE NEW EQUIPMENT (FROM EXISTING PANELS) SHALL BE NEW AND SHALL HAVE CHARACTERISTICS MATCHING EXISTING (BREAKERS) UNLESS OTHERWISE SHOWN OR NOTED.
12. BUSSMAN FUSES, FUSETRON TYPE FRN-R (250 VOLT, DUAL-ELEMENT, TIME DELAY, UL CLASS RK5.) SHALL BE USED FOR MOTOR CIRCUITS, LIMITRON TYPE KTN-R (250 VOLT, FAST ACTING, UL CLASS RK-1) SHALL BE USED FOR ALL NON-MOTOR CIRCUITS.
13. BUSSMAN FUSES, LOW PEAK TYPE LPS-RK, (600 VOLT, DUAL-ELEMENT,TIME DELAY, UL CLASS RK1) SHALL BE USED FOR CIRCUITS TO 600 AMPS, LOW PEAK KRP-C 600 VOLT TIME DELAY, UL CLASS L.) SHALL BE USED FOR ALL CIRCUITS 601 AMPS AND ABOVE AND E RATED (75,000 VOLT, CURRENT LIMITING, BLOWN FUSE INDICATION) SHALL BE USED FOR PRIMARY FUSING APPLICATIONS.
14. PROVIDE ONE SPARE SET OF FUSES IN FUSE CABINET LOCATED IN THE BASEMENT FOR EVERY NEW FUSE/FUSED DEVICE (SERVICE DISCONNECT, DISCONNECT SWITCHES, SAFETY SWITCHES, PLUG-FUSE BOX COVER UNITS, ETC.) INSTALLED UNDER THIS CONTRACT.
15. ALL DISTRIBUTION SYSTEM COMPONENTS (SERVICE DISCONNECT, PANELBOARDS, MANUAL TRANSFER SWITCH, AUTOMATIC TRANSFER SWITCH, ETC.) SHALL BE MOUNTED ON UNISTRUT P 3300 CHANNEL (1 5/8" x 1 5/8" WIDE) WITH PERMA-GREEN RUST INHIBITING ACRYLIC ENAMEL PAINTED FINISH.
16. EXISTING FIRE ALARM SYSTEMS SHALL BE MAINTAINED IN SERVICE AT ALL TIMES UNTIL THE NEW FIRE ALARM SYSTEM IS ACTIVE. AT WHICH TIME THE EXISTING FIRE ALARM SYSTEM SHALL BE REMOVED IN ITS ENTIRETY. ALTERATIONS OR CONNECTIONS REQUIRING THE SHUTDOWN OF ANY PART OF THE EXISTING FIRE ALARM SYSTEM MUST BE SCHEDULED AND THE FOLLOWING PROCEDURES FOLLOWED:
   a. THE BUILDING ENGINEER MUST BE GIVEN 72 HOURS NOTICE.
   b. A STEP BY STEP PROCEDURE INCLUDING AN ESTIMATE OF OUT-OF-SERVICE INTERVALS MUST BE SUBMITTED AND APPROVED BY THE BUILDING ENGINEER AND THE AUTHORITY HAVING JURISDICTION.
   c. AN AUTHORIZED OWNER'S REPRESENTATIVE MUST BE PRESENT DURING ALL OUT-OF-SERVICE PERIODS. NO SHUTDOWN OF THE SYSTEM SHALL TAKE PLACE WITHOUT THE PRIOR APPROVAL OF THE BUILDING ENGINEER.
   d. NO PART OF THE SYSTEM SHALL BE LEFT OUT-OF-SERVICE AT THE END OF THE WORKING DAY.
   e. PROVIDE FIRE WATCH AS NECESSARY TO MEET SECTION 901.7 OF THE 2020 FIRE CODE OF NEW YORK STATE.
17. ADDRESS POINTS INDICATED FOR PROPOSED FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. ACTUAL AND FINAL ADDRESS POINTS ARE TO BE SEQUENCED IN A SIMILAR FASHION (NOMENCLATURE) TO EXISTING DEVICES. PROVIDE OWNER WITH UPDATED FIRE ALARM ADDRESS POINTS LIST(S) INDICATING FINAL ARRANGEMENT AND LOCATION OF ALL DEVICES.
18. PROVIDE TEMPORARY FIXTURES (PIN 4 SOCKETS) WITH 200 WATT INCANDESCENT LAMPS THROUGHOUT THE CONSTRUCTION AREA AS FIELD DIRECTED, COMPLETE WITH POWER CIRCUITS FROM EXISTING OR TEMPORARY PANELS.
19. PROVIDE TEMPORARY GFCI RECEPTACLES THROUGHOUT THE CONSTRUCTION AREA AS FIELD DIRECTED, COMPLETE WITH POWER CIRCUITS FROM EXISTING OR TEMPORARY PANEL
20. ALL ELECTRICAL EQUIPMENT, DEVICES, CONDUIT ETC. SHALL BE RECESSED/CONCEALED IN ALL MASONRY PARTITIONS (EXISTING/NEW) UNLESS OTHERWISE NOTED. CONTRACTOR SHALL CHANNEL EXISTING WALLS TO ACCOMPLISH THE ABOVE.
21. PROVIDE NEW TYPED DIRECTORY FOR ANY EXISTING PANELBOARD WHICH IS MODIFIED IN ANY FASHION INCLUDING A BRANCH CIRCUIT REMOVAL OR ADDITION.
22. ALL ELECTRICAL EQUIPMENT, DEVICES, CONDUIT ETC. SHALL BE RECESSED IN PARTITIONS AND CEILINGS WHEREVER POSSIBLE. EXISTING MASONRY PARTITIONS SHALL BE WIRED THROUGH THE USE OF A TWO PIECE NON-METALLIC RACEWAY SYSTEM COMPLETE WITH ALL ACCESSORIES SIMILAR TO WIREMOLD SERIES N°2000.
23. CAREFULLY REMOVE CEILING TILES TO GAIN ACCESS ABOVE CEILINGS IN WORK AREAS. STORE ALL REMOVED CEILING TILES IN A SAFE LOCATION FREE OF ANY DAMAGE CAUSING CONDITIONS AND CAREFULLY REINSTALL AT COMPLETION OF WORK. ANY DAMAGED CEILING TILES SHALL BE REPLACED AT NO COST TO THE OWNER.
24. FLOOR PLAN IS DIAGRAMMATIC IN NATURE. EXACT FIRE ALARM DEVICE LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH OTHER TRADES AND ADJUSTED IN CONSIDERATION OF ANY OBSTRUCTION OR CONDITION WHICH MAY COMPROMISE PROPER DEVICE OPERATION.
25. INSTALL ALL RECESSED DEVICES IN A STAGGERED FASHION TO MITIGATE SOUND TRANSMISSION. ALL NEW RECESSED DEVICES INSTALLED BACK TO BACK SHALL BE REJOINED AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
26. ALL ELECTRICAL METALLIC TUBING (EMT) CONDUIT SERVING BRANCH CIRCUITS SHALL BE IDENTIFIED BY COLOR CODING. FIRE ALARM SYSTEMS SHALL BE RED. LIGHTING SYSTEMS SHALL BE YELLOW. COMMERCIAL POWER SYSTEMS SHALL BE GREY. COMMUNICATION SYSTEMS SHALL BE BLUE, AND EMERGENCY GENERATOR SYSTEMS STAND BY POWER SHALL BE GREEN. PROVIDE COLOR CODING INFORMATION WITH CONDUIT SUBMITTAL.
27. ALL FIREPROOFING THAT IS DISTURBED BY THE INSTALLATION OF ANY ELECTRICAL WORK SHALL BE PATCHED PER MANUFACTURER'S REQUIREMENTS BY THE ELECTRICAL CONTRACTOR.



FIRST FLOOR REMOVALS PLAN

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

NORTH

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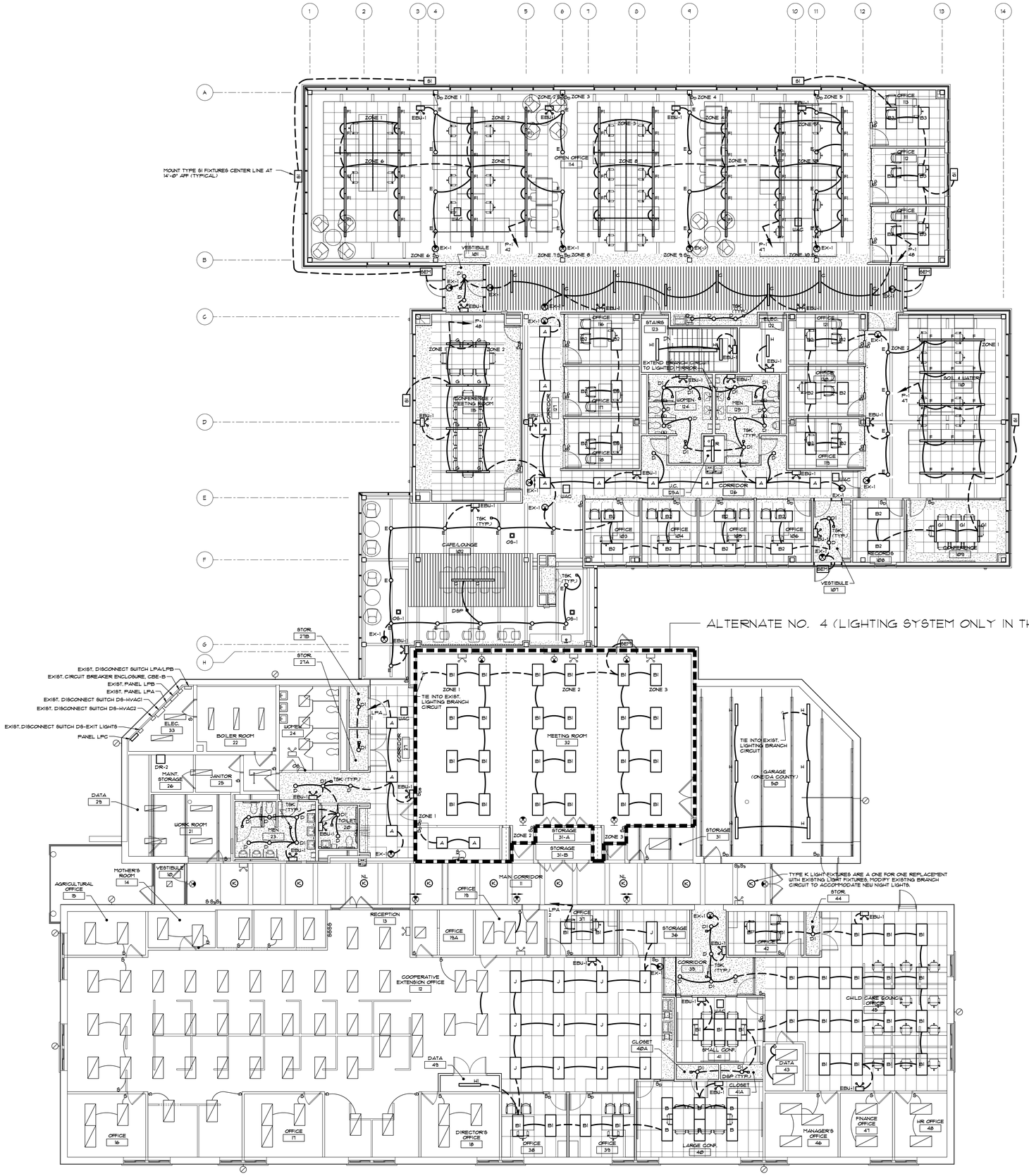
DRAWING TITLE
FIRST FLOOR REMOVALS PLAN

DRAWING NO.
ED101



LIGHTING CONTROL SYSTEM

NEW LIGHT FIXTURES SHALL HAVE WIRELESS INTEGRATED SENSORS AND THE LIGHTING CONTROL SYSTEM SHALL BE THE 0-10 VOLT POWERED TYPE (BATTERIES NOT ALLOWED) AND SHALL BE INSTALLED IN ACCORDANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

1. THE LIGHTING SYSTEM SHALL BE FIELD PROGRAMMED FOR VACANCY OPERATION WITH PARAMETERS AS DIRECTED BY THE ARCHITECT/ENGINEER.
2. ALL OFFICES AND CONFERENCE ROOMS SHALL BE FIELD PROGRAMMED FOR MANUAL ON OPERATION, AUTOMATICALLY TURN LIGHTS OFF 20 MINUTES AFTER OCCUPANT LEAVES THE ROOM, AND HAVE FULL DIMMING CONTROL.
3. LOBBIES, CORRIDORS, STAIRWAYS, AND RESTROOM SHALL BE PROGRAMMED FOR AUTOMATIC ON/AUTOMATIC OFF OPERATION.
4. LIGHT FIXTURES LOCATED IN TOILET ROOMS SHALL BE FIELD PROGRAMMED FOR A LIGHT LEVEL OF 15 FOOT CANDLES.
5. OPEN OFFICE 114
   A. SHALL BE PROGRAMMED FOR DAYLIGHT HARVESTING WITHIN ZONE 1, ZONE 2, ZONE 3, ZONE 4, AND ZONE 5 AND SHALL BE PROGRAMMED AS FOLLOWS:
      1. LIGHTS SHALL DIM CONTINUOUSLY FROM FULL LIGHT POWER TO 15% OF FULL DESIGN LIGHT POWER.
   B. CONFIGURED TO COMPLETELY SHUT OFF ALL CONTROLLED LIGHTS.
   C. LIGHTS FACING DIFFERENT CARDINAL ZONES SHALL BE CONTROLLED INDEPENDENTLY OF EACH OTHER.
   D. SHALL BE FIELD PROGRAMMED FOR MANUAL ON OPERATION, AUTOMATICALLY TURN LIGHTS OFF 20 MINUTES AFTER OCCUPANT LEAVES THE ROOM, AND HAVE FULL DIMMING CONTROL WITHIN ZONE 7, ZONE 8, ZONE 9, AND ZONE 10.
   E. SHALL BE FIELD PROGRAMMED FOR DAYLIGHT HARVESTING PER NOTE A ABOVE FOR ALL LIGHT FIXTURES PARALLEL TO THE WEST WALL AND ALL INTERIOR LIGHT FIXTURES SHALL BE PROGRAMMED FOR MANUAL OPERATION PER NOTE D ABOVE.
6. SOIL & WATER 116:
   A. PROGRAMMED FOR DAYLIGHT HARVESTING WITHIN ZONE 1 AND SHALL BE PROGRAMMED AS FOLLOWS:
      1. LIGHTS SHALL DIM CONTINUOUSLY FROM FULL LIGHT POWER TO 15% OF FULL DESIGN LIGHT POWER.
      2. CONFIGURED TO COMPLETELY SHUT OFF ALL CONTROLLED LIGHTS.
   B. SHALL BE FIELD PROGRAMMED FOR MANUAL ON OPERATION, AUTOMATICALLY TURN LIGHTS OFF 20 MINUTES AFTER OCCUPANT LEAVES THE ROOM, AND HAVE FULL DIMMING CONTROL WITHIN ZONE 2.
7. CONFERENCE/MEETING ROOM 115:
   A. PROGRAMMED FOR DAYLIGHT HARVESTING WITHIN ZONE 1 AND SHALL BE PROGRAMMED AS FOLLOWS:
      1. LIGHTS SHALL DIM CONTINUOUSLY FROM FULL LIGHT POWER TO 15% OF FULL DESIGN LIGHT POWER.
      2. CONFIGURED TO COMPLETELY SHUT OFF ALL CONTROLLED LIGHTS.
   B. SHALL BE FIELD PROGRAMMED FOR MANUAL ON OPERATION, AUTOMATICALLY TURN LIGHTS OFF 20 MINUTES AFTER OCCUPANT LEAVES THE ROOM, AND HAVE FULL DIMMING CONTROL WITHIN ZONE 2.
8. ALL EQUIPMENT AND WIRING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS/REQUIREMENTS.

FIRST FLOOR PLAN (LIGHTING)

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

NORTH

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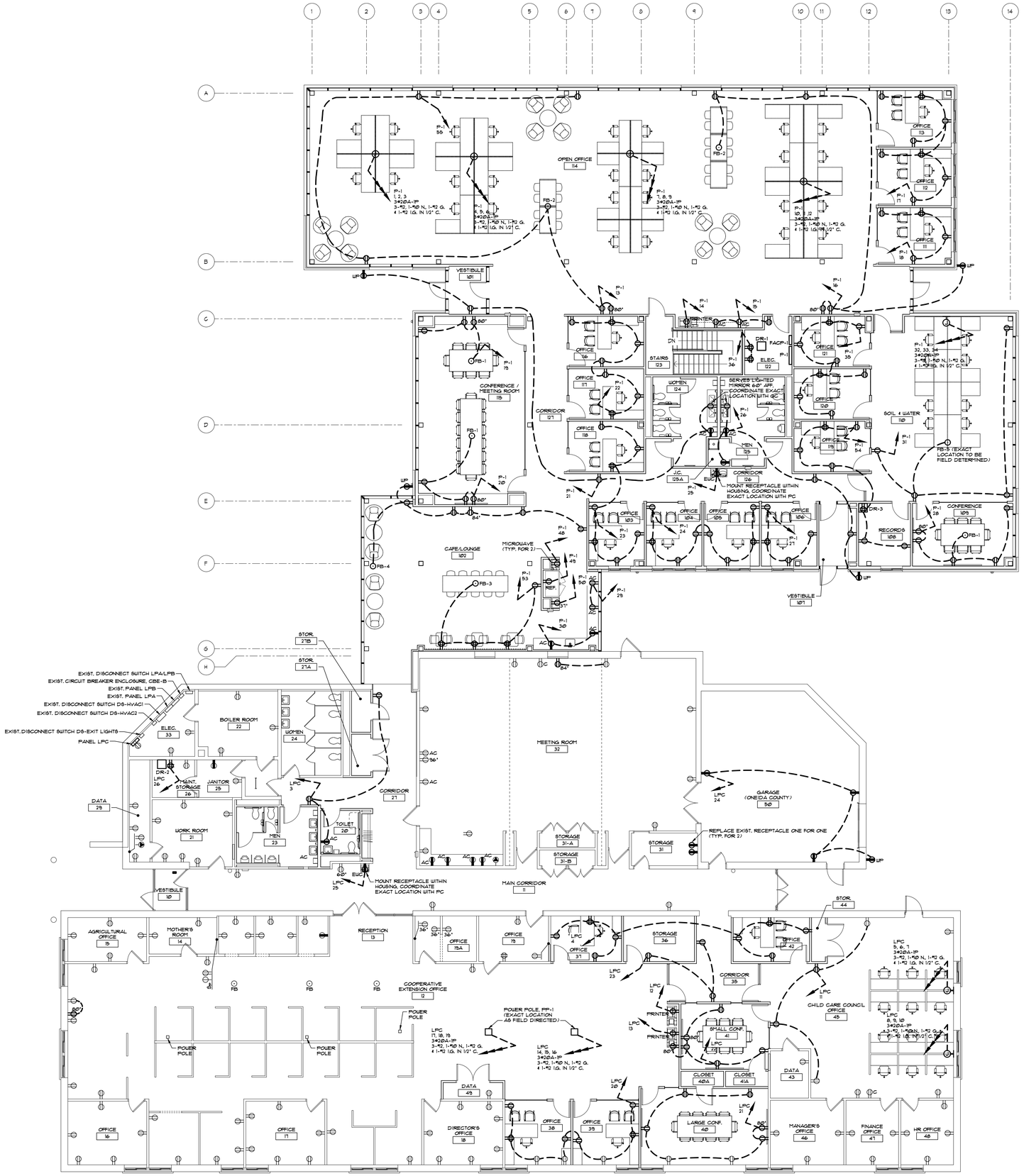
FIRST FLOOR PLAN (LIGHTING)

DRAWING NO.
E101



FIRST FLOOR PLAN (POWER)

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

EQUIPMENT NOTES

FLOOR BOX, FB-1
HUBBELL CAT. NO. S1RK4PTNKL
6" SYSTEM ONE POKE-THRU ASSEMBLY
ONE PIECE FINISH FLANGE AND CONDUIT ASSEMBLY
ONE 3" POWER CONDUIT AND ONE 2" LOW VOLTAGE CONDUIT
ONE S1RP5IPE AND ONE S1RK5PK DEVICE PLATES
TWO 20 AMP DUPLEX RECEPTACLES,
ONE CAT. 6 KEYSTONE AND ONE HDMI KEYSTONE
SATIN NICKEL PLATED COVER ASSEMBLY
SCRUB WATER COMPLIANT
EXTEND 2" CONDUIT TO NEARBY WALL BOX
(TYPICAL)

FLOOR BOX, FB-2
ARLINGTON CAT. NO. FLBC8500/FLBC858NL (2 UNITS)
DOUBLE GANG NON-METALLIC FLOOR BOX KIT
ONE 3" POWER CONDUIT AND ONE 1 1/4" LOW VOLTAGE CONDUIT
ONE DECORATOR DUPLEX USB RECEPTACLE (LEVITON T5833 OR EQUAL)
ONE CAT. 6 KEYSTONE
TWO GANG RECESSED NICKEL-PLATED ZINC COVER/FRAME KIT
ONE DECORATOR 20 AMP RECEPTACLE
TWO CAT. 6 KEYSTONE
(TYPICAL)

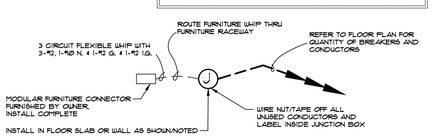
FLOOR BOX, FB-3
ARLINGTON CAT. NO. FLBC8500/FLBC858NL (2 UNITS)
DOUBLE GANG NON-METALLIC FLOOR BOX KIT
ONE 3" POWER CONDUIT AND ONE 1 1/4" LOW VOLTAGE CONDUIT
ONE 4REC DUPLEX RECEPTACLE
ONE CAT. 6 KEYSTONE
TWO GANG RECESSED NICKEL-PLATED ZINC COVER/FRAME KIT
ONE DECORATOR 20 AMP RECEPTACLE
ONE CAT. 6 KEYSTONE, ONE HDMI KEYSTONE
(TYPICAL)

FLOOR BOX, FB-4
ARLINGTON CAT. NO. FLBC8500/FLBC858NL (2 UNITS)
DOUBLE GANG NON-METALLIC FLOOR BOX KIT
ONE 3" POWER CONDUIT
TWO GANG RECESSED NICKEL-PLATED ZINC COVER/FRAME KIT
TWO DECORATOR 20 AMP USB RECEPTACLES
(TYPICAL)

FLOOR BOX, FB-5
HUBBELL CAT. NO. S1RK4PTNKL
6" SYSTEM ONE POKE-THRU ASSEMBLY
ONE PIECE FINISH FLANGE AND CONDUIT ASSEMBLY
ONE 3" POWER CONDUIT AND ONE 1" LOW VOLTAGE CONDUIT
ONE S1RP5IPE AND ONE S1RK5PK DEVICE PLATES
TWO 20 AMP DUPLEX RECEPTACLES,
TWO CAT. 6 KEYSTONES
SATIN NICKEL PLATED COVER ASSEMBLY
SCRUB WATER COMPLIANT
EXTEND 2 CAT 6 CABLES TO DATA RACK DR-3

POWER POLE, PPP-1
WIREMOLD CAT. NO. 3GTC-4GH
STEEL TELE-POWER POLE, 12'-9" TALL UNWIRED
COMPLETE WITH FEED FITTINGS, CEILING TRIM PLATE, CARPET/FLOOR GRIPPERS, ETC. FOR A COMPLETE INSTALLATION, COLOR SELECTED BY ARCHITECT
(TYPICAL)

PROVIDE ADEQUATE MANPOWER ON SITE TO WORK IN CONJUNCTION WITH FURNITURE INSTALLER TO CONNECT FURNITURE WHIP TO ELECTRICAL DISTRIBUTION SYSTEM AND MODULAR FURNITURE PANEL



TYPICAL FURNITURE FEED

SCALE: NONE

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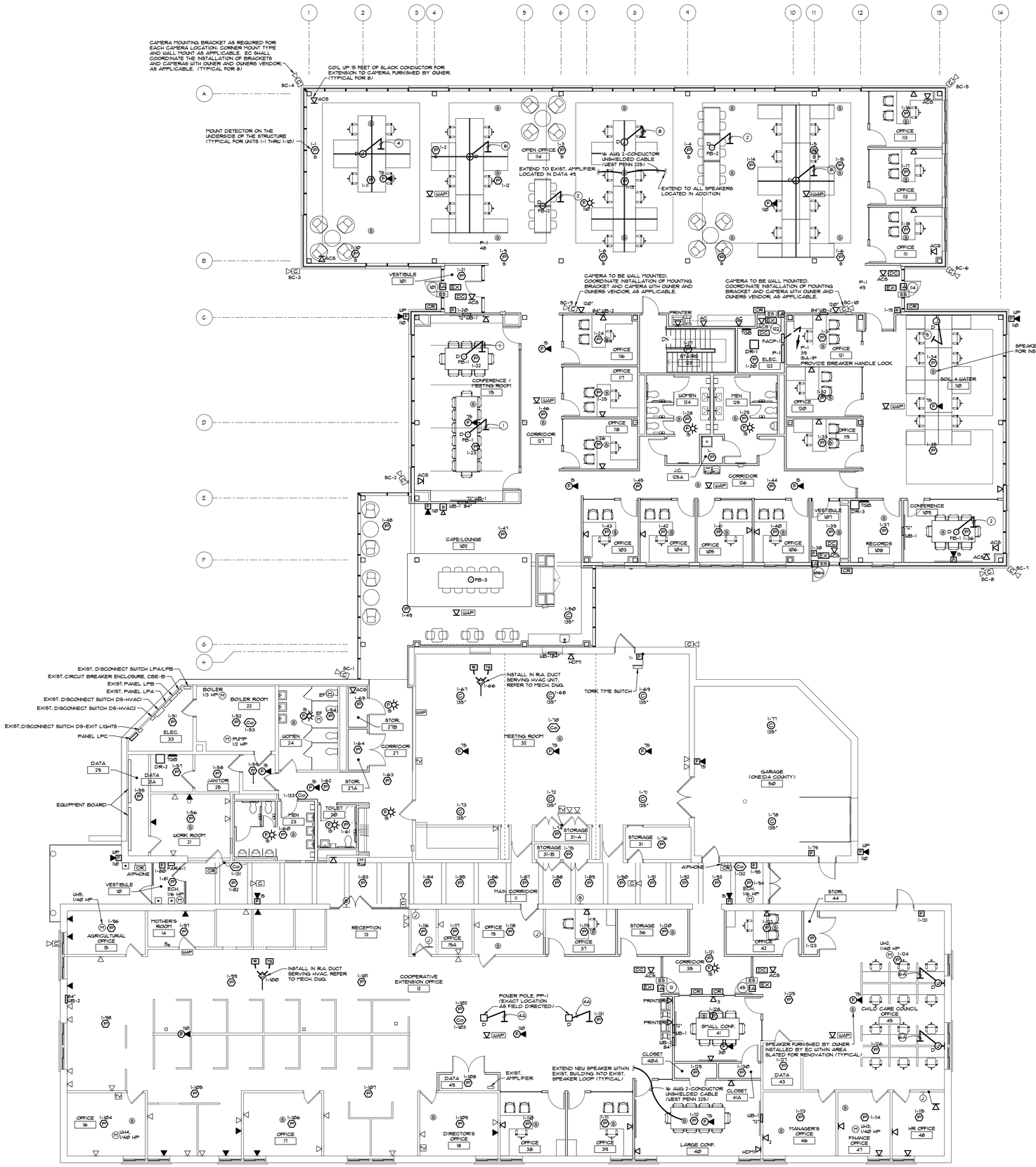
DRAWING TITLE
FIRST FLOOR PLAN (POWER)

DRAWING NO.
E102



EQUIPMENT NOTES:

DATA RACK 1 (LOCATED IN ELECTRIC 122)
RACK:
CHATSWORTH PRODUCTS CAT. NO. 46353-X03
75" WIDE X 84" HIGH WITH 45 RMU
CABLE MANAGERS:
VERTICAL (TWO UNITS):
CHATSWORTH PRODUCTS CAT. NO. 35824-703
EVOLUTION G2 DOUBLE-SIDED VERTICAL CABLE MANAGER
12" WIDE X 84" HIGH X 24.5" DEEP
HORIZONTAL (EIGHT UNITS):
CHATSWORTH PRODUCTS CAT. NO. 35441-703
EVOLUTION SINGLE SIDED HORIZONTAL CABLE MANAGER
19" EIA X 1 RMU X 8.2" DEEP
ACCESSORIES:
CABLE LASHING BAR KITS, CABLE DIVIDER BAR KIT, FLOOR BRACKET, CABLE DIVIDER KIT, SIDE PANEL KIT, HORIZONTAL CABLE GUIDES, STRAIN RELIEF BARS, ETC. FOR A COMPLETE INSTALLATION
PATCH PANELS (TWO UNITS):
PANDUIT NETKEY CAT. NO. NK6PPG48Y
CATEGORY 6, 48 PORT PUNCHDOWN PATCH PANEL, 2 RMU
FIBER CONNECT PANEL (ONE UNIT)
1 RACK UNIT, 36 PORTS, PROVIDE ADAPTOR PLATES/TYPE AS REQUIRED

DATA RACK 9 (LOCATED IN DATA 21A)
RACK:
CHATSWORTH PRODUCTS CAT. NO. 46353-X03
75" WIDE X 84" HIGH WITH 45 RMU
CABLE MANAGERS:
VERTICAL (TWO UNITS):
CHATSWORTH PRODUCTS CAT. NO. 35824-703
EVOLUTION G2 DOUBLE-SIDED VERTICAL CABLE MANAGER
12" WIDE X 84" HIGH X 24.5" DEEP
HORIZONTAL (EIGHT UNITS):
CHATSWORTH PRODUCTS CAT. NO. 35441-703
EVOLUTION SINGLE SIDED HORIZONTAL CABLE MANAGER
19" EIA X 1 RMU X 8.2" DEEP
ACCESSORIES:
CABLE LASHING BAR KITS, CABLE DIVIDER BAR KIT, FLOOR BRACKET, CABLE DIVIDER KIT, SIDE PANEL KIT, HORIZONTAL CABLE GUIDES, STRAIN RELIEF BARS, ETC. FOR A COMPLETE INSTALLATION
PATCH PANELS (TWO UNITS):
PANDUIT NETKEY CAT. NO. NK6PPG48Y
CATEGORY 6, 48 PORT PUNCHDOWN PATCH PANEL, 2 RMU
FIBER CONNECT PANEL (ONE UNIT)
1 RACK UNIT, 36 PORTS, PROVIDE ADAPTOR PLATES/TYPE AS REQUIRED

DATA RACK 13 (LOCATED IN RECORDS 108)
RACK:
TRIPP LITE SMART RACK CAT. NO. SR18U60SG
WALL MOUNT LOW PROFILE 18 RMU
ACCESSORIES:
ALL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION
PATCH PANELS (TWO UNITS):
PANDUIT NETKEY CAT. NO. NK6PPG48Y
CATEGORY 6, 48 PORT PUNCHDOWN PATCH PANEL, 2 RMU
FIBER CONNECT PANEL (ONE UNIT)
1 RACK UNIT, 36 PORTS, PROVIDE ADAPTOR PLATES/TYPE AS REQUIRED

WALL BOX, WB-1 PEERLESS-AV N-WALL BOX CAT. NO. IB14X8-W 14" WIDE x 9" HIGH x 4" DEEP COMPLETE WITH OPTIONAL COVER, TWO 20A DUPLEX SURGE RECEPTACLES, TWO CAT 6 JACKS, AND ONE HDMI CABLE EXTENDING TO INDICATED DATA AT WALL LOCATION OR FLOOR BOX (NEAREST). PROVIDE 1¼" CONDUIT TO WALL MOUNTED JUNCTION BOX OR FLOOR BOX (AS REQUIRED) FOR DATA/HDMI. PROVIDE 1½" CONDUIT FOR COMMUNICATIONS CABLING, TO A POINT ABOVE THE CEILING. PROVIDE 1" CONDUIT FOR POWER, AND ALL DEVICE PLATES, KEYSTONES, ETC. FOR A COMPLETE INSTALLATION. (CAT. 6 DATA CABLE(S) SHALL PASS THROUGH WB-1 TO WALL MOUNTED JUNCTION BOX OR FLOOR BOX AS APPLICABLE) (TYPICAL)

WALL BOX, WB-2 (SERVES TV'S USED AS BULLETIN BOARDS) PEERLESS-AV N-WALL BOX CAT. NO. IB14X8-U 14" WIDE x 9" HIGH x 4" DEEP COMPLETE WITH OPTIONAL COVER, TWO 20A DUPLEX SURGE RECEPTACLES AND TWO CAT 6 KEYSTONES COMPLETE WITH TWO CAT. 6 CABLES EXTENDING TO DATA RACK. PROVIDE 1¼" CONDUIT FOR COMMUNICATIONS CABLING, TO A POINT ABOVE THE CEILING. PROVIDE 1" CONDUIT FOR POWER AND ALL DEVICE PLATES, KEYSTONES, ETC. FOR A COMPLETE INSTALLATION. (TYPICAL)

REFERENCE NOTES:

(1) EXTEND 1 CAT. 6 CABLE IN 1" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(2) EXTEND 2 CAT. 6 CABLES IN 1" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(3) EXTEND 3 CAT. 6 CABLES IN 1" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(4) EXTEND 4 CAT. 6 CABLES IN 1" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(4A) EXTEND 4 CAT. 6 CABLES IN 1" C. TO PATCH PANEL IN DATA 21A, TERMINATE AND TEST.
(5) EXTEND 5 CAT. 6 CABLES IN 1 1/4" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(6) EXTEND 6 CAT. 6 CABLES IN 1 1/4 C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(6A) EXTEND 6 CAT. 6 CABLES IN 1 1/4 C. TO PATCH PANEL IN DATA 21A, TERMINATE AND TEST.
(7) EXTEND 7 CAT. 6 CABLES IN 1 1/4" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(8) EXTEND 8 CAT. 6 CABLES IN 1 1/2" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(9) EXTEND 9 CAT. 6 CABLES IN 1 1/2" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(10) EXTEND 10 CAT. 6 CABLES IN 1 1/2" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.
(11) EXTEND 11 CAT. 6 CABLES IN 2" C. TO PATCH PANEL IN DATA 122, TERMINATE AND TEST.

FIRST FLOOR PLAN (MISC.)

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

NORTH

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PROJECT NO.			23036 (4011)

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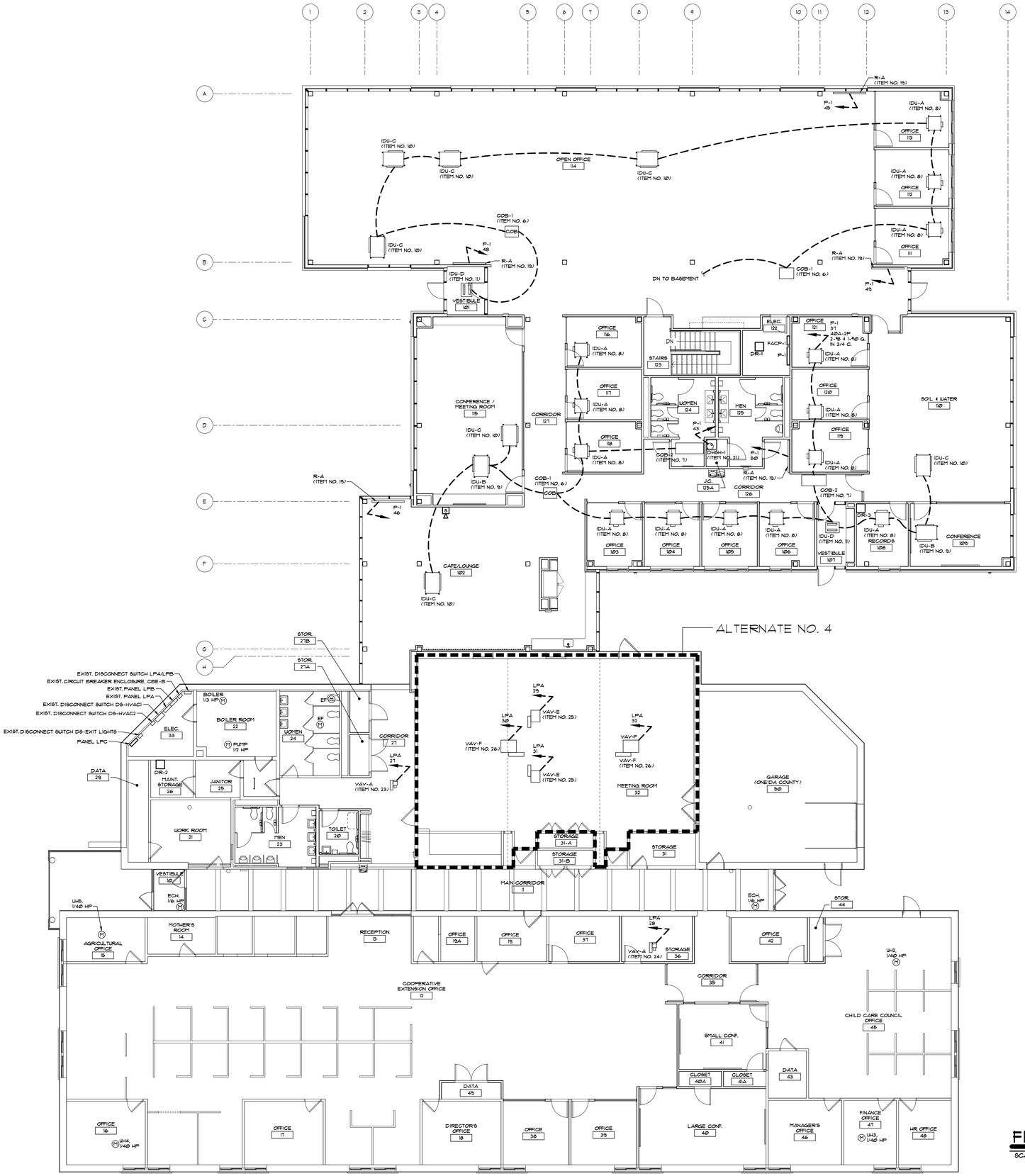
FIRST FLOOR PLAN (MISC.)

DRAWING NO.
E103



FIRST FLOOR PLAN (MECH. EQUIP.)

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

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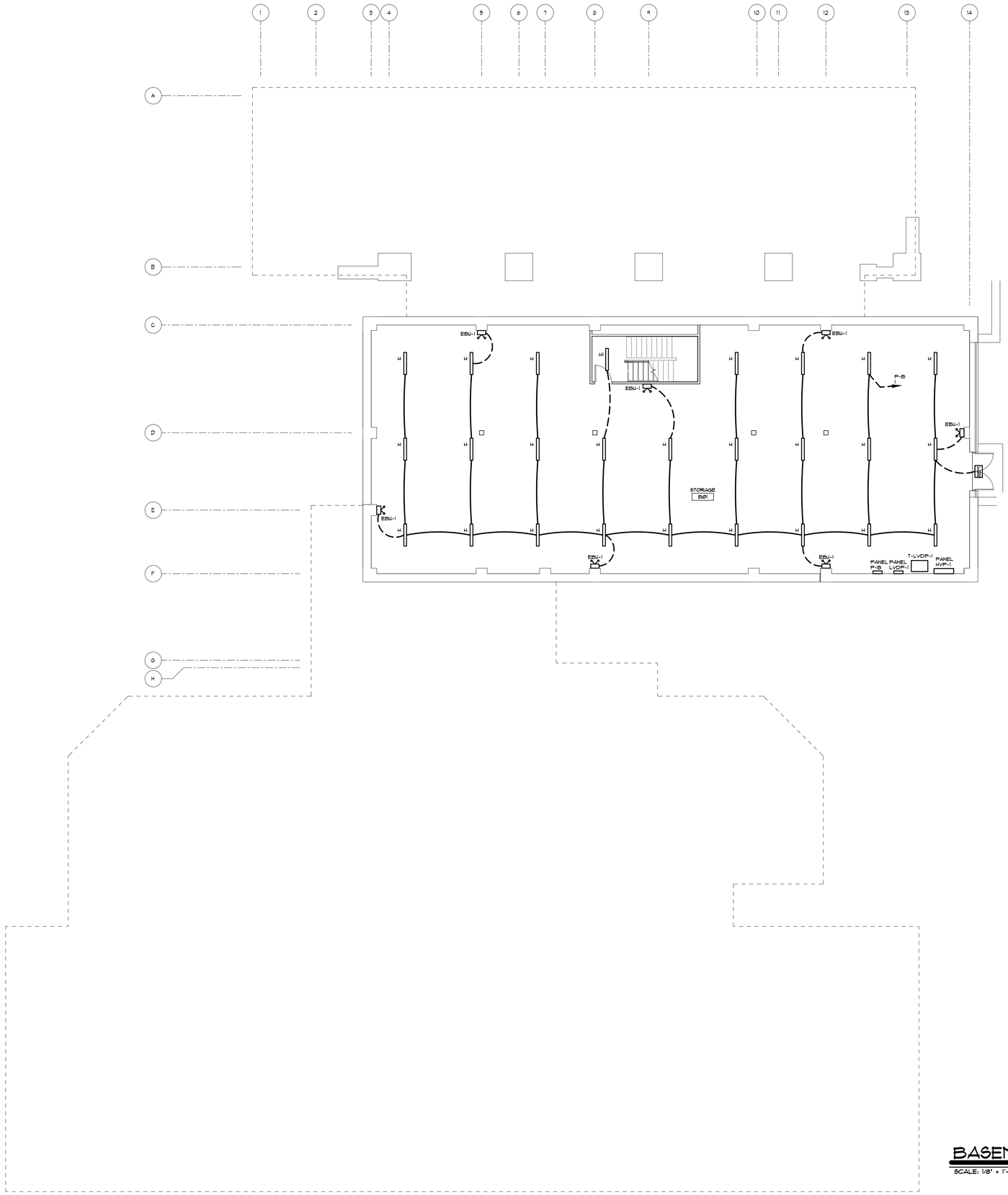
FIRST FLOOR PLAN (MECH. EQUIP.)

DRAWING NO.
E104



BASEMENT FLOOR PLAN - LIGHTING

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

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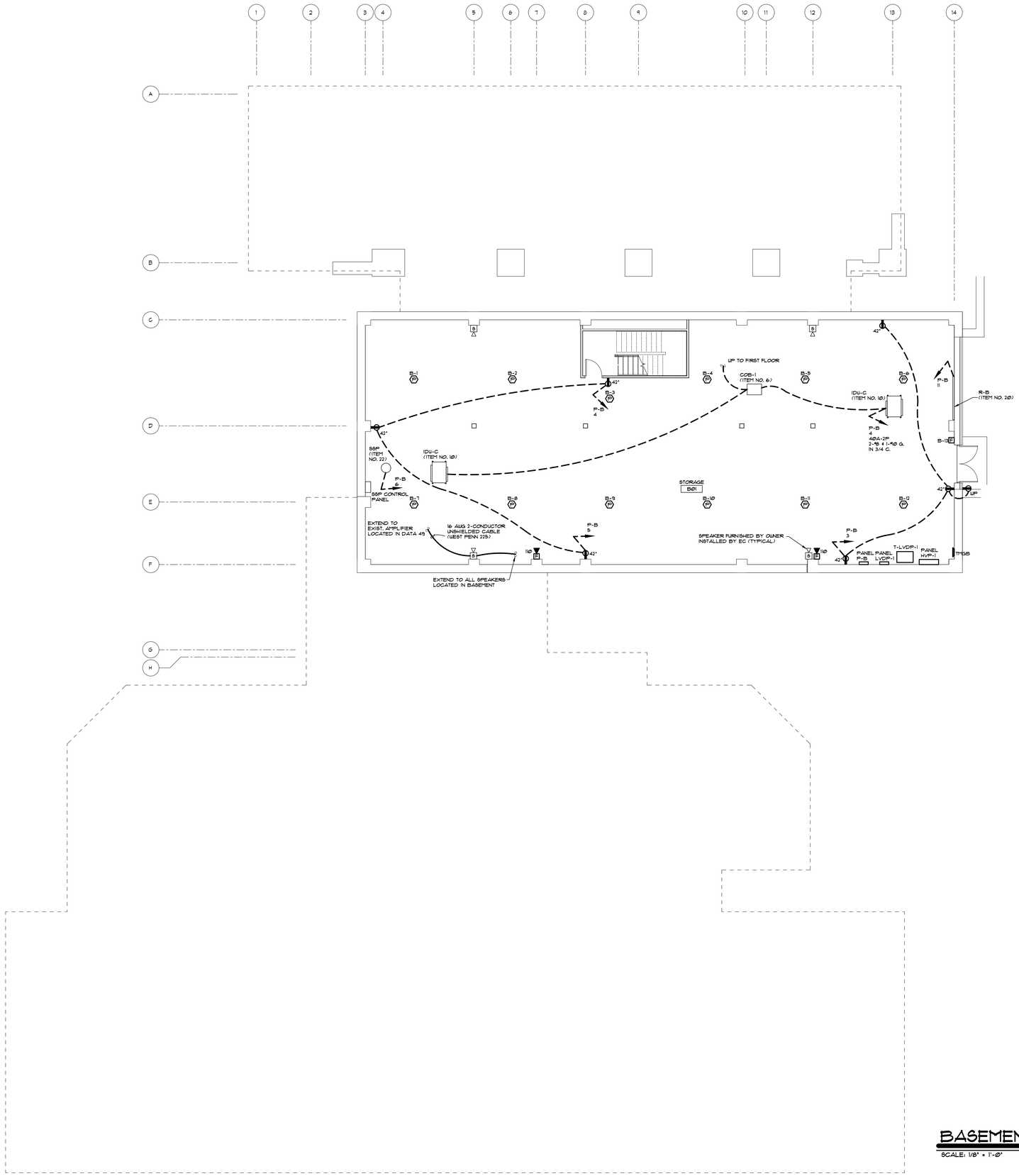
BASEMENT FLOOR PLAN - LIGHTING

DRAWING NO.
E105



BASEMENT FLOOR PLAN - POWER & MISC.

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

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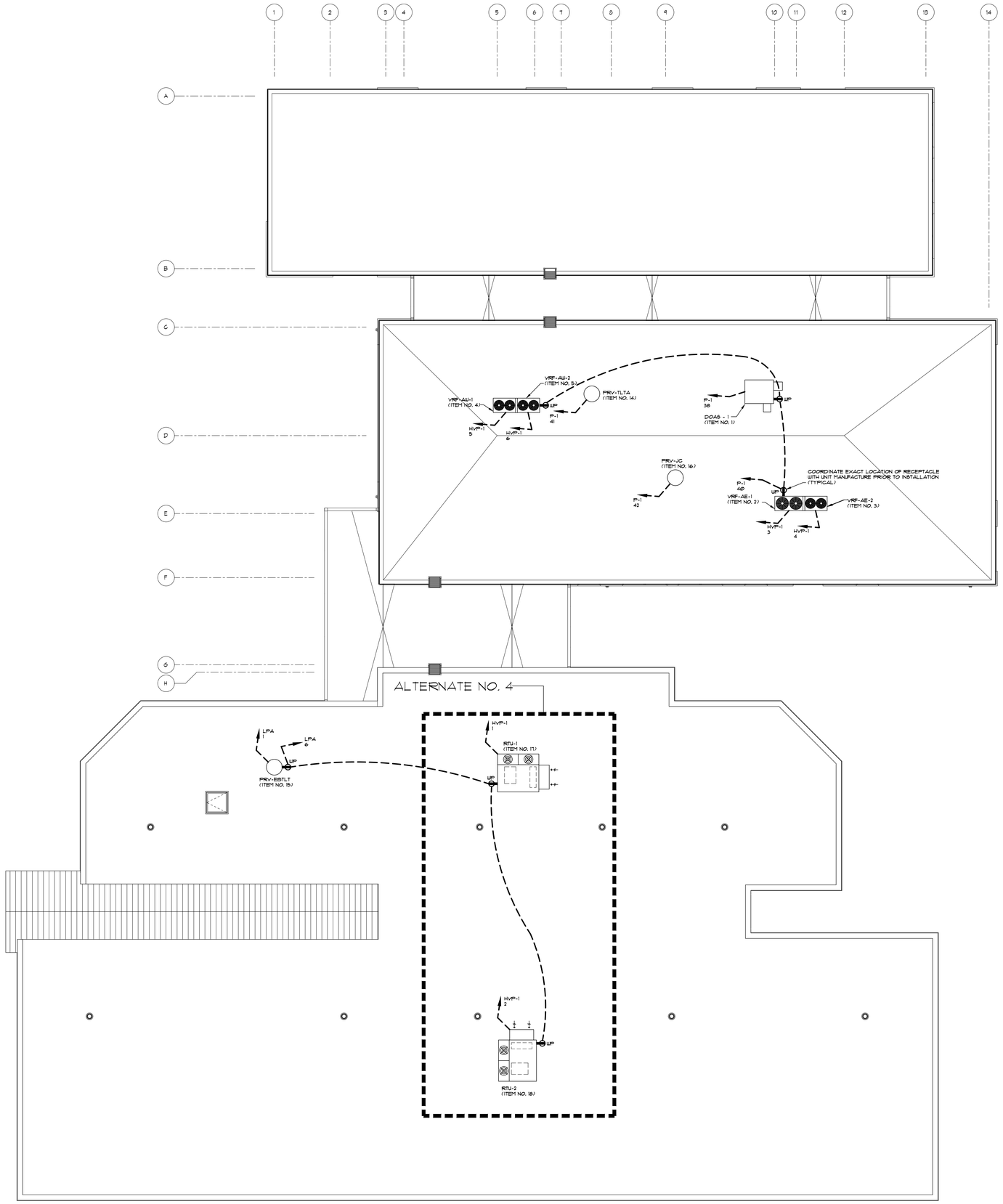
DRAWING TITLE
BASEMENT FLOOR PLAN POWER & MISC.

DRAWING NO.
E106



ROOF PLAN

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

NORTH

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DRAWING TITLE
ROOF
PLAN

DRAWING NO.
E107

PANELBOARD NOTES

BASEMENT

NEW PANEL HVP-1
EATON, TYPE PRL4B, SURFACE MOUNTED
CHARACTERISTICS:
480Y/277V-3Ø-4W
INTERRUPTING CAPACITY:
65,000 A RMS SYMMETRICAL
ARRANGEMENT:
800A MAINS, 800A-3P MAIN BREAKER
ONE ENCLOSURES, 36 POLES
(1) 350A-3P ACTIVE
(1) 125A-3P SPARE
(1) 100A-3P ACTIVE
(1) 50A-3P SPARE
(1) 40A-3P SPARE
(3) 35A-3P ACTIVE
(1) 30A-3P SPARE
(1) 20A-3P SPARE
(4) 20A-1P SPARE
(3) 15A-1P SPARE
(2) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS, SERVICE ENTRANCE RATED
INTEGRAL TVSS UNIT (125 KA PER MODE, 250 KA PER PHASE)

NEW PANEL LVDP-1
EATON, TYPE PRL4B, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
600A MAINS, 600A-3P MAIN BREAKER
ONE ENCLOSURE, 42 POLES
(1) 600A-3P ACTIVE
(2) 225A-3P ACTIVE
(1) 100A-3P SPARE
(4) 40A-2P SPARE
(2) 225A-3P SPACES
(15) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (80 KA PER MODE, 160 KA PER PHASE)

NEW PANEL P-B
EATON, TYPE PRL2A, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
400A MAINS, MAIN LUGS ONLY
ONE ENCLOSURE, 42 POLES
(8) 50A-2P ACTIVE
(1) 40A-2P ACTIVE
(5) 20A-1P ACTIVE
(6) 20A-1P SPARE
(4) 15A-1P SPARE
(9) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (60 KA PER MODE, 120 KA PER PHASE)

FIRST FLOOR

NEW PANEL P-1
EATON, TYPE PRL2A, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
225A MAINS, MAIN LUG ONLY
TWO ENCLOSURES, 42 POLES EACH
(1) 40A-2P ACTIVE
(40) 20A-1P ACTIVE
(1) 20A-1P SPARE
(1) 15A-3P ACTIVE
(8) 15A-1P ACTIVE
(5) 15A-1P SPARE
(18) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (60 KA PER MODE, 120 KA PER PHASE)

NEW PANEL LPC
EATON, TYPE PRL2A, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
225A MAINS, 200A-3P MAIN BREAKER
ONE ENCLOSURES, 48 POLES MINIMUM
(2) 30A-3P ACTIVE
(2) 20A-3P ACTIVE
(26) 20A-1P ACTIVE
(5) 20A-1P SPARE
(2) 15A-1P ACTIVE
(1) 15A-1P SPARE
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (60 KA PER MODE, 120 KA PER PHASE)

TRANSFORMERS SCHEDULE

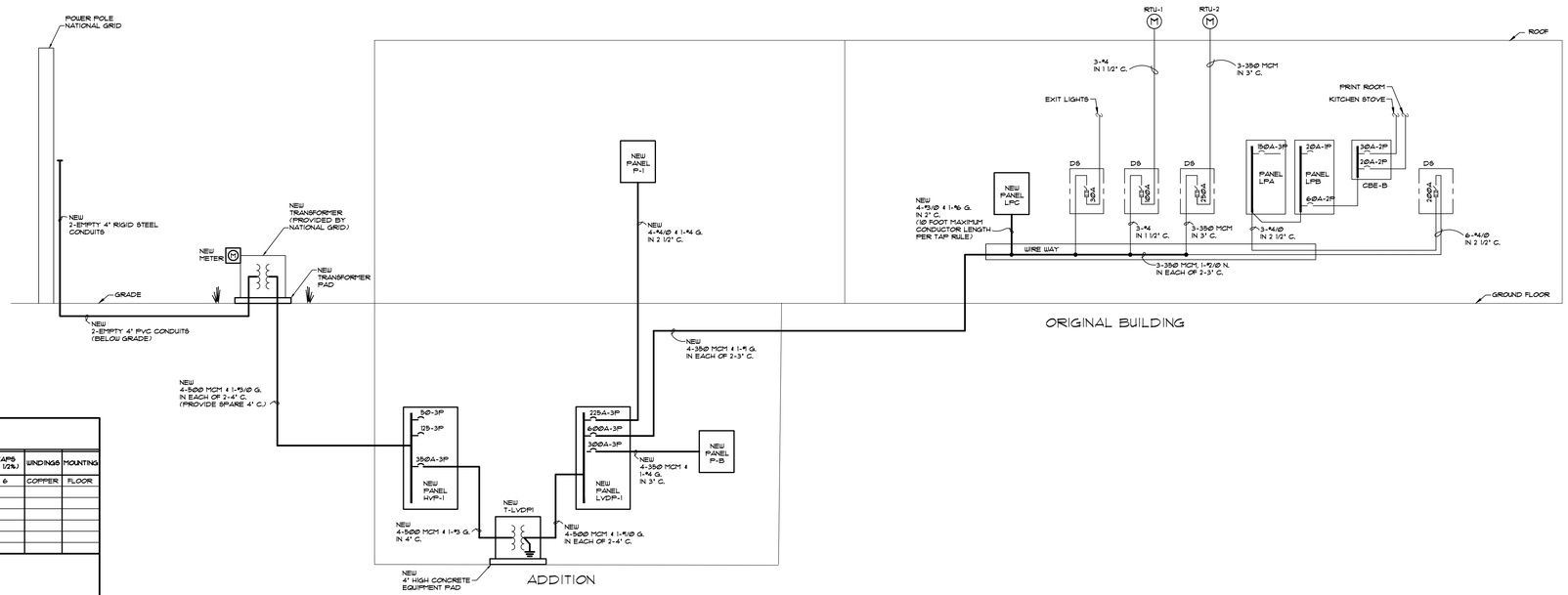
UNIT NUMBER	PANEL SERVED	MANUFACTURER	CATALOG NO.	KVA RATING	PRIMARY VOLTAGE	PRIMARY AMPS	SEC. VOLTAGE	SEC. AMPS	K FACTOR RATING	DEGREE RISE (C)	TAPS (2 1/2%)	WINDINGS	MOUNTING
T-LVDP1	LVDP-1	EATON	H48M28P216CU	225	480	270	120/208	625	4	115	6	COPPER	FLOOR

GENERAL NOTES:

1. TRANSFORMERS SHALL BE COMPLETELY ENCLOSED EXCEPT FOR VENTILATING OPENINGS AND SHALL HAVE A 220 DEGREE CELSIUS INSULATION SYSTEM TO MEET EXCEPTION NO. 2 OF THE NATIONAL ELECTRICAL CODE.
2. PROVIDE 4" HIGH CONCRETE EQUIPMENT PAD BENEATH EACH TRANSFORMER, DIMENSIONS TO BE FIELD DETERMINED FROM EXACT TRANSFORMER DIMENSIONS.

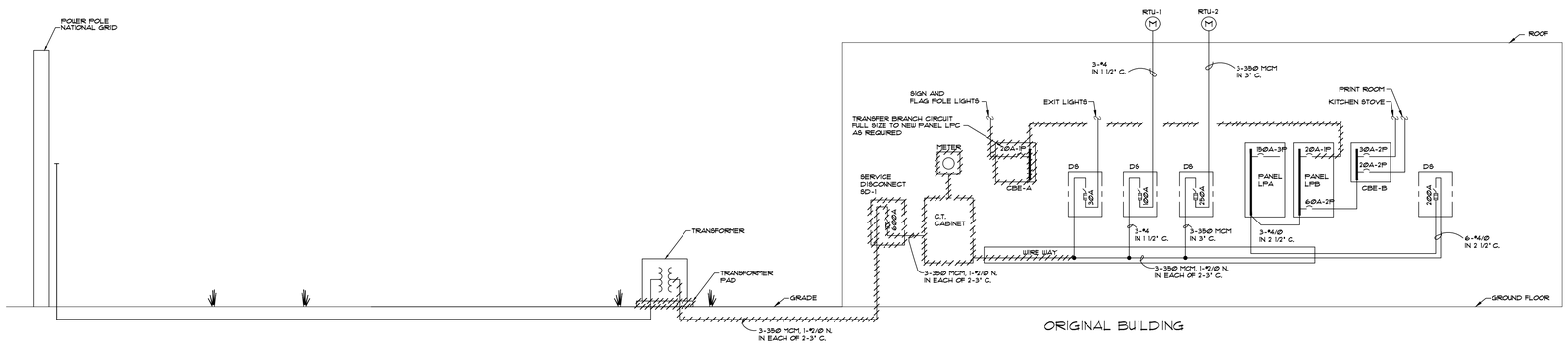
CONSTRUCTION SEQUENCE:

1. GENERAL:
   a. THE EXISTING ELECTRICAL DISTRIBUTION SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD UNTIL NEW ADDITION IS COMPLETED.
   b. ALL WORK WHICH REQUIRES A SHUTDOWN SHALL BE EXECUTED BETWEEN THE HOURS OF 1:00 AM AND 4:00 AM AND THE OWNER SHALL BE GIVEN 72 HOURS ADVANCE NOTICE PRIOR TO SHUTDOWN.
2. INSTALL NEW ELECTRICAL DISTRIBUTION SYSTEM COMPLETE.
3. WITH NEW ELECTRICAL DISTRIBUTION SYSTEM ENERGIZED BY NATIONAL GRID, PERFORM ALL MODIFICATIONS/ADDITIONS TO THE EXISTING ELECTRICAL DISTRIBUTION SYSTEM AS SHOWN AND NOTED.
4. WITH EXISTING PRIMARY TRANSFORMER REMOVED FROM THE SITE THRU NATIONAL GRID, REMOVE UNDERGROUND PRIMARY CONDUITS.
5. REMOVE EXISTING PANELS, FEEDERS CONDUITS, ETC., EXTEND/MODIFY ALL EXISTING BRANCH CIRCUITS AFFECTED BY RENOVATIONS AND PROVIDE ALL CUTTING, PATCHING AND FINISHES TO MATCH EXISTING.
6. CHECK ALL CONNECTIONS, CLEAN, ADJUST AND BALANCE LOADS THROUGHOUT THE CONSTRUCTION PERIOD AS REQUIRED.



ONE LINE POWER DIAGRAM

SCALE: NONE



ONE LINE POWER DIAGRAM REMOVALS

SCALE: NONE

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ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	GHS
CHECKED BY	GHS
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

DRAWING TITLE
ONE LINE POWER DIAGRAMS

DRAWING NO.
E600

PANELBOARD NOTES - ALTERANTE 4

BASEMENT

NEW PANEL HVP-1
EATON, TYPE PRL4B, SURFACE MOUNTED
CHARACTERISTICS:
480/277V-3Ø-4W
INTERRUPTING CAPACITY:
65,000 A RMS SYMMETRICAL
ARRANGEMENT:
800A MAINS, 800A-3P MAIN BREAKER
ONE ENCLOSURES, 42 POLES
(1) 350A-3P ACTIVE
(1) 125A-3P ACTIVE
(1) 100A-3P SPARE
(2) 50A-3P ACTIVE
(1) 40A-3P SPARE
(3) 35A-3P ACTIVE
(1) 30A-3P SPARE
(1) 20A-3P SPARE
(4) 20A-1P SPARE
(3) 15A-1P SPARE
(2) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS, SERVICE ENTRANCE RATED
INTEGRAL TVSS UNIT (125 KA PER MODE, 250 KA PER PHASE)

NEW PANEL LVDP-1
EATON, TYPE PRL4B, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
800A MAINS, 800A-3P MAIN BREAKER
ONE ENCLOSURE, 42POLES
(1) 500A-3P ACTIVE
(1) 350A-3P ACTIVE
(1) 225A-3P ACTIVE
(1) 100A-3P SPARE
(4) 40A-2P SPARE
(2) 225A-3P SPACES
(16) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (80 KA PER MODE, 160 KA PER PHASE)

NEW PANEL P-1B
EATON, TYPE PRL2A, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
400A MAINS, MAIN LUG ONLY
ONE ENCLOSURE, 42 POLES
(8) 50A-2P SPARE
(1) 40A-2P ACTIVE
(5) 20A-1P ACTIVE
(6) 20A-1P SPARE
(4) 15A-1P SPARE
(12) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (60 KA PER MODE, 120 KA PER PHASE)

FIRST FLOOR

NEW PANEL P-1
EATON, TYPE PRL2A, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
225A MAINS, MAIN LUG ONLY
TWO ENCLOSURES, 42 POLES EACH
(1) 40A-2P ACTIVE
(40) 20A-1P ACTIVE
(1) 20A-1P SPARE
(1) 15A-3P ACTIVE
(8) 15A-1P ACTIVE
(5) 15A-1P SPARE
(18) SPACES
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (60 KA PER MODE, 120 KA PER PHASE)

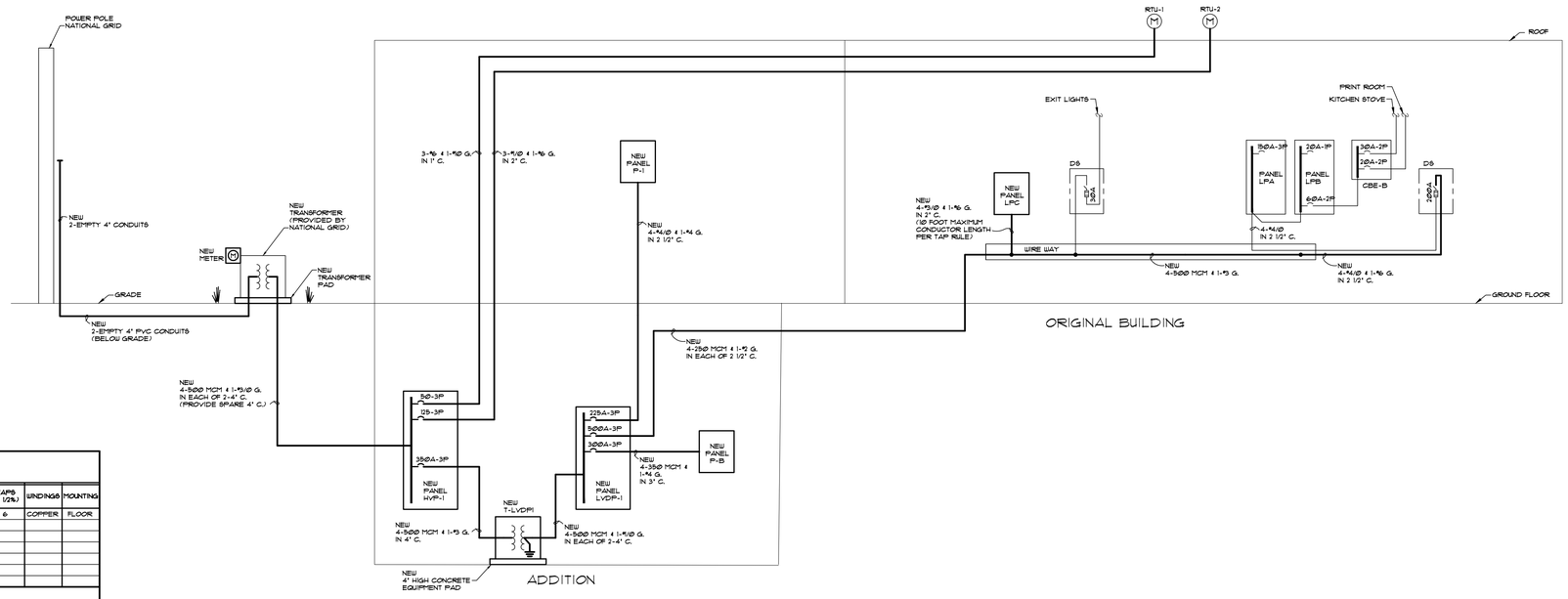
NEW PANEL LPC
EATON, TYPE PRL2A, SURFACE MOUNTED
CHARACTERISTICS:
120/208V-3Ø-4W
INTERRUPTING CAPACITY:
22,000 A RMS SYMMETRICAL
ARRANGEMENT:
225A MAINS, 200A-3P MAIN BREAKER
ONE ENCLOSURES, 48 POLES MINIMUM
(2) 30A-3P ACTIVE
(2) 20A-3P ACTIVE
(26) 20A-1P ACTIVE
(5) 20A-1P SPARE
(2) 15A-1P ACTIVE
(3) 15A-1P SPARE
OPTIONS AND ACCESSORIES:
GROUND BUS
INTEGRAL TVSS UNIT (60 KA PER MODE, 120 KA PER PHASE)

TRANSFORMERS SCHEDULE - ALTERNATE 4

UNIT NUMBER	PANEL SERVED	MANUFACTURER	CATALOG NO.	KVA RATING	PRIMARY VOLTAGE	PRIMARY AMPS	SEC. VOLTAGE	SEC. AMPS	K FACTOR RATING	DEGREES RISE (C)	TAPS (2 1/2%)	WINDINGS	MOUNTING
T-LVPI	LVDP-1	EATON	H48M38P226CU	225	480	270	120/208	625	4	115	6	COPPER	FLOOR

GENERAL NOTES:

1. TRANSFORMERS SHALL BE COMPLETELY ENCLOSED EXCEPT FOR VENTILATING OPENINGS AND SHALL HAVE A 220 DEGREE CELSIUS INSULATION SYSTEM TO MEET EXCEPTION NO. 2 OF THE NATIONAL ELECTRICAL CODE.
2. PROVIDE 4" HIGH CONCRETE EQUIPMENT PAD BENEATH EACH TRANSFORMER, DIMENSIONS TO BE FIELD DETERMINED FROM EXACT TRANSFORMER DIMENSIONS.



ONE LINE POWER DIAGRAM - ALTERNATE 4

SCALE: NONE

CONSTRUCTION SEQUENCE:

1. GENERAL:
   a. THE EXISTING ELECTRICAL DISTRIBUTION SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD UNTIL NEW ADDITION IS COMPLETED.
   b. ALL WORK WHICH REQUIRES A SHUTDOWN SHALL BE EXECUTED BETWEEN THE HOURS OF 11ØØ AM AND 4ØØ AM AND THE OWNER SHALL BE GIVEN 72 HOURS ADVANCE NOTICE PRIOR TO SHUTDOWN.
2. INSTALL NEW ELECTRICAL DISTRIBUTION SYSTEM COMPLETE.
3. WITH NEW ELECTRICAL DISTRIBUTION SYSTEM ENERGIZED BY NATIONAL GRID, PERFORM ALL MODIFICATIONS/ADDITIONS TO THE EXISTING ELECTRICAL DISTRIBUTION SYSTEM AS SHOWN AND NOTED.
4. WITH EXISTING PRIMARY TRANSFORMER REMOVED FROM THE SITE THRU NATIONAL GRID, REMOVE UNDERGROUND PRIMARY CONDUITS.
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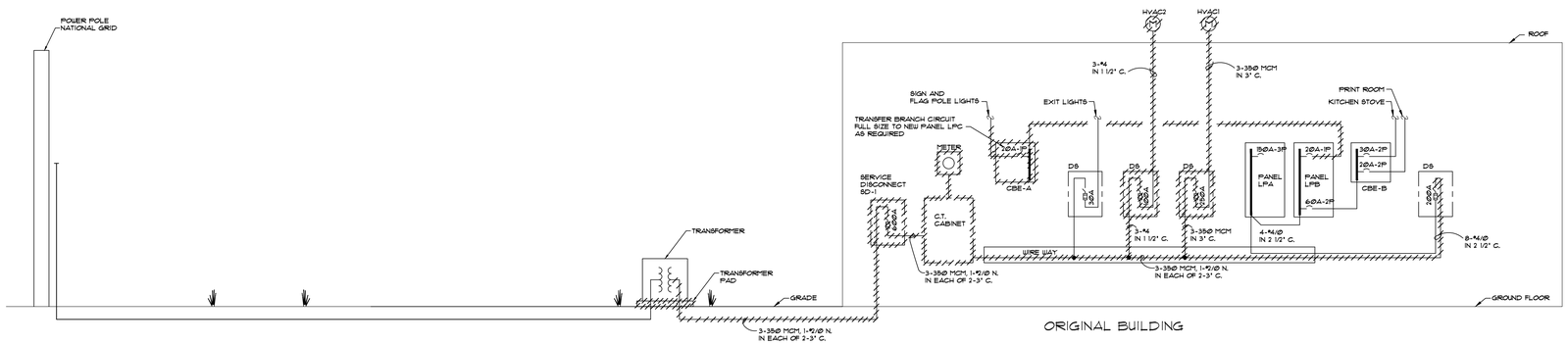
6. CHECK ALL CONNECTIONS, CLEAN, ADJUST AND BALANCE LOADS THROUGHOUT THE CONSTRUCTION PERIOD AS REQUIRED.



ONE LINE POWER DIAGRAM REMOVALS - ALTERNATE 4

SCALE: NONE

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CORNELL COOPERATIVE EXTENSION
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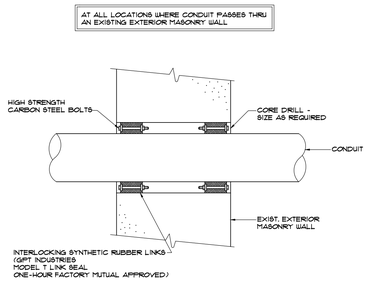
NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	GHS
CHECKED BY	GHS
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

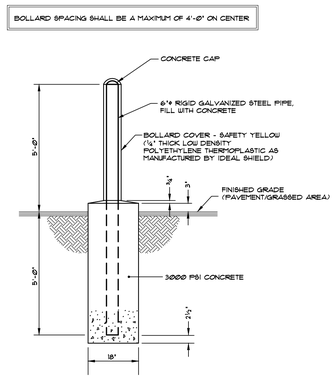
DRAWING TITLE
ONE LINE POWER DIAGRAMS - ALT. NO. 4

DRAWING NO.
E601



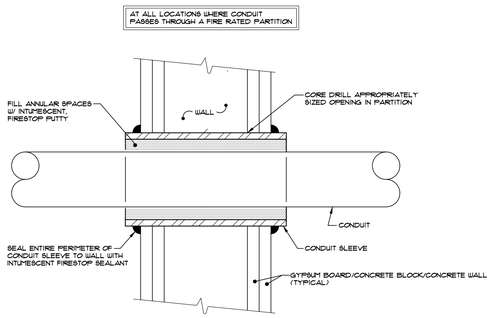
CONDUIT PENETRATION THRU EXTERIOR WALL

SCALE: NONE



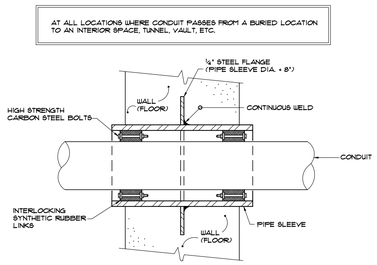
PIPE BOLLARD

SCALE: NONE



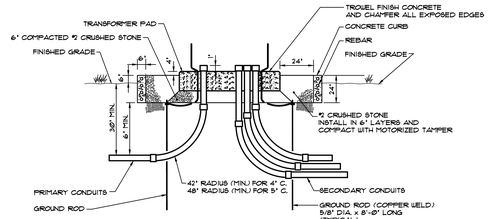
CONDUIT SLEEVE AT FIRE RATED PARTITIONS

SCALE: NONE



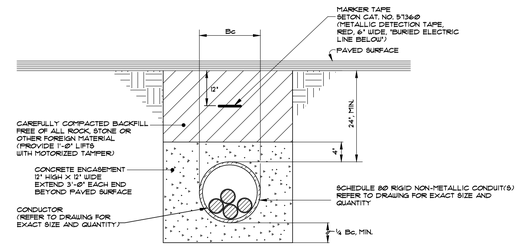
SLEEVE(S), WALLS AND FLOORS BELOW GRADE

SCALE: NONE

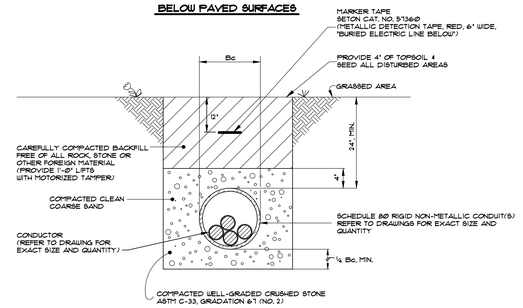


SECTION THRU TRANSFORMER PAD

SCALE: NONE



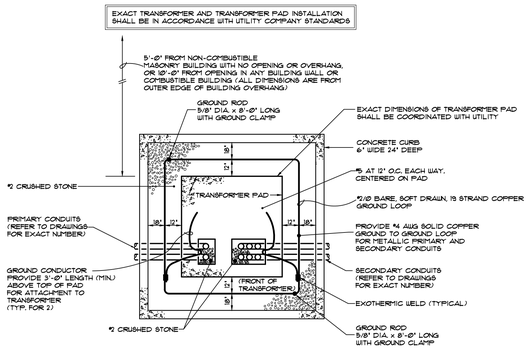
BELOW PAVED SURFACES



BELOW GRASSED AREAS

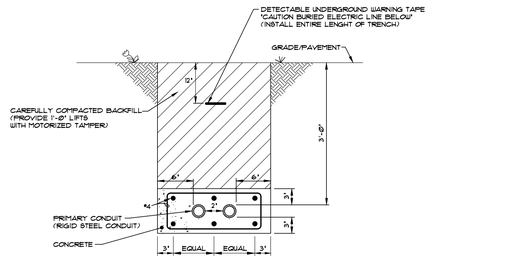
CONDUIT BEDDING

SCALE: NONE



TRANSFORMER PAD PLAN

SCALE: NONE



PRIMARY CONDUIT BEDDING

SCALE: NONE

LEGEND

	NEW
	EXISTING
	EXISTING TO BE REMOVED (INCLUDING ASSOCIATED WIRE AND CONDUIT)
EP-1 2	HOMERUN TO PANELBOARD AND ASSOCIATED CIRCUIT DESIGNATION
M1 0	EQUIPMENT/MOTOR, NUMBER INDICATES ITEM ON SCHEDULE
	BRANCH CIRCUIT CONTINUATION, UNSWITCHED
	SWITCHING ARRANGEMENT
	SURFACE RACEWAY
	EXISTING LUMINAIRE
A	LED, CEILING MOUNTED, LETTER INDICATES TYPE
A	LED LUMINAIRE, WALL MOUNTED, LETTER INDICATES TYPE
A	LED LUMINAIRE, LETTER INDICATES TYPE
	EXISTING LUMINAIRE SLATED FOR REMOVAL AND REINSTALLATION
NL	NIGHT LIGHT
	EXIT LIGHT, TOP MOUNTED, SINGLE FACE, ARROWS AS INDICATED
	EXIT LIGHT, TOP MOUNTED, DOUBLE FACE, ARROWS AS INDICATED
	EXIT LIGHT, BACK MOUNTED, SINGLE FACE, ARROWS AS INDICATED
	EXIT LIGHT, END MOUNTED, SINGLE FACE, ARROWS AS INDICATED
	EXIT LIGHT, END MOUNTED, DOUBLE FACE, ARROWS AS INDICATED
EBU	EMERGENCY LIGHTING SYSTEM BATTERY UNIT WITH UNIT MOUNTED HEADS
EBU	EMERGENCY LIGHTING SYSTEM BATTERY UNIT
EM	EMERGENCY LIGHTING RECESSED HEAD
EM	EMERGENCY LIGHTING SURFACE MOUNTED HEAD
	JUNCTION BOX, CEILING MOUNTED
	JUNCTION BOX, WALL MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED 18" AFF TO CENTER, (UNLESS OTHERWISE NOTED)
	DUPLEX RECEPTACLE WITH USB OUTLETS, WALL MOUNTED 18" AFF TO CENTER, (UNLESS OTHERWISE NOTED)
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER, WALL MOUNTED 18" AFF TO CENTER (UNLESS OTHERWISE NOTED)
	DUPLEX RECEPTACLE, W/SURGE SUPPRESSION WALL MOUNTED 18" AFF TO CENTER (UNLESS OTHERWISE NOTED)
	DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED 18" AFF TO CENTER, (UNLESS OTHERWISE NOTED)
TV	CATV OUTLET, WALL MOUNTED 18" AFF TO CENTER (UNLESS OTHERWISE NOTED)
	CLOCK RECEPTACLE, WALL MOUNTED, 7'-0" AFF
	SPEAKER VOLUME CONTROL
FB	FLOOR BOX WITH POWER, DATA, AND HDMI AS NOTED
	SPECIAL PURPOSE RECEPTACLE
	TELEPHONE OUTLET, WALL MOUNTED 18" AFF TO CENTER (UNLESS OTHERWISE NOTED)
44"	TELEPHONE OUTLET, WALL MOUNTED 44" AFF TO CENTER (UNLESS OTHERWISE NOTED)
	DATA OUTLET, WALL MOUNTED 18" AFF TO CENTER (UNLESS OTHERWISE NOTED)
WAP	WIRELESS ACCESS POINT, (CEILING MOUNTED FOR WAP BY OWNER)
ACS	DATA OUTLET, LOCATED ABOVE THE CEILING
HDMI	DATA OUTLET, WITH HDMI FROM ASSOCIATED WALL BOX
	SPEAKER, CEILING MOUNTED
	SPEAKER, WALL MOUNTED

C	SECURITY CAMERA
F	FIRE ALARM MANUAL STATION (46" AFF TO CENTER)
CO	CARBON MONOXIDE DETECTOR (CEILING MOUNTED)
P	PHOTOELECTRIC SMOKE DETECTOR (CEILING MOUNTED)
	EXISTING PHOTOELECTRIC SMOKE DETECTOR (CEILING MOUNTED)
T	EXISTING THERMAL DETECTOR
	AIR DUCT SMOKE DETECTOR
xxx	THERMAL DETECTOR, FIXED TEMP. & RATE OF RISE (CEILING MOUNTED)
F	FIRE ALARM HORN/STROBE, NUMBER INDICATES MIN. CANDELA RATING (MOUNT AT 6'-8" AFF TO BOTTOM EDGE)
F	FIRE ALARM HORN (MOUNT AT 6'-8" AFF TO CENTER)
F	FIRE ALARM STROBE, NUMBER INDICATES MIN. CANDELA RATING (MOUNT AT 6'-8" AFF TO BOTTOM EDGE)
F	FIRE ALARM HORN/STROBE, NUMBER INDICATES MIN. CANDELA RATING (CEILING MOUNTED)
F	FIRE ALARM STROBE, NUMBER INDICATES MIN. CANDELA RATING (CEILING MOUNTED)
FAI	ADDRESSABLE INTERFACE DEVICE (INPUT)
FAO	ADDRESSABLE INTERFACE DEVICE (OUTPUT)
A	ADDRESSABLE DEVICE
R	RELAY
TB	REMOTE TEST STATION
PAA	PUBLIC ADDRESS SYSTEM AMPLIFIER
CR AIPHONE	COMBINATION AIPHONE & CARD READER
CR	CARD READER
ES	ELECTRIC STRIKE
DC	DOOR CONTROLLER
RE	REQUEST TO EXIT
AC	ABOVE COUNTER
ACS	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
C	CONDUIT
DS	DISCONNECT SWITCH
FACP	FIRE ALARM CONTROL PANEL (MOUNT TOP AT 5'-0" AFF)
FANA	FIRE ALARM REMOTE ANNUNCIATOR (MOUNT TOP AT 5'-0" AFF)
G	GROUND
HVACU	HEATING, VENTILATING AND AIR CONDITIONING UNIT
HVU	HEATING AND VENTILATING UNIT
J.B.	JUNCTION BOX
R.A.	RETURN AIR
S.A.	SUPPLY AIR
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF DEVICE
OS	OCCUPANCY SENSOR
S	SINGLE POLE SWITCH, MOUNTED 46" AFF TO CENTER & 4"-13" FROM STRIKE SIDE OF DOOR FRAME (UNLESS OTHERWISE NOTED)
S_3	THREE WAY SWITCH, MOUNTED 46" AFF TO CENTER & 4"-13" FROM STRIKE SIDE OF DOOR FRAME (UNLESS OTHERWISE NOTED)
S_4	FOUR WAY SWITCH, MOUNTED 46" AFF TO CENTER & 4"-13" FROM STRIKE SIDE OF DOOR FRAME (UNLESS OTHERWISE NOTED)
S_P	SWITCH AND PILOT LIGHT, MOUNTED 46" AFF TO CENTER & 4"-13" FROM STRIKE SIDE OF DOOR FRAME (UNLESS OTHERWISE NOTED)
S_D	DIMMER SWITCH, MOUNTED 46" AFF TO CENTER & 4"-13" FROM STRIKE SIDE OF DOOR FRAME (UNLESS OTHERWISE NOTED)
S_K	KEY OPERATED SWITCH, MOUNTED 46" AFF TO CENTER & 4"-13" FROM STRIKE SIDE OF DOOR FRAME (UNLESS OTHERWISE NOTED)
SSS	GANGED DEVICES

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NO	DESCRIPTION	BY	DATE
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DATE			MARCH 13, 2025
DRAWN BY			GHS
CHECKED BY			GHS
SCALE			AS NOTED
PROJECT NO.			23036 (4011)

DRAWING TITLE
DETAILS

DRAWING NO.
E700

ACCESS CONTROL SYSTEM
ELECTRIFIED DOOR HARDWARE SCHEDULE

DOOR #	ACCESS (ELECTRIC)				EXIT (MECHANICAL)		
	CARD READER	DOOR STATION	ELECTRIC HINGE	ELECTRIC STRIKE	PANIC DEVICE	DEAD LATCH	LOCK SET
140	●			●			●
141	●			●			●
141A	●			●			●
141A	●			●			●
114	●			●			●
122	●			●			●

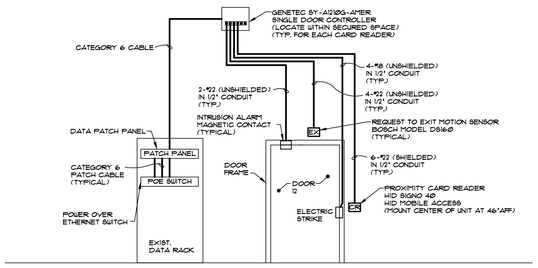
GENERAL NOTES

1. ELECTRIC STRIKES SHALL BE FURNISHED AND INSTALLED BY THE G.C. THE E.C. SHALL WIRE COMPLETE.
2. LOCATE DOOR CONTROLLER ABOVE CEILING ON SECURE SIDE OF DOOR.

CONTACT IK SYSTEMS, MR. KEN LUUBACHER WITH ANY QUESTIONS RELATIVE TO EQUIPMENT INSTALLATION.

INSTALL ALL EQUIPMENT PER MANUFACTURERES DIRECTIONS AND PROVIDE ALL JUNCTION BOXES, CABLING, CONDUIT, ACCESSORIES AS NECESSARY TO ACCOMMODATE SYSTEM INSTALLATION/OPERATION.

ALL CABLING SHALL BE YELLOW AND INSTALLED IN CONDUIT.

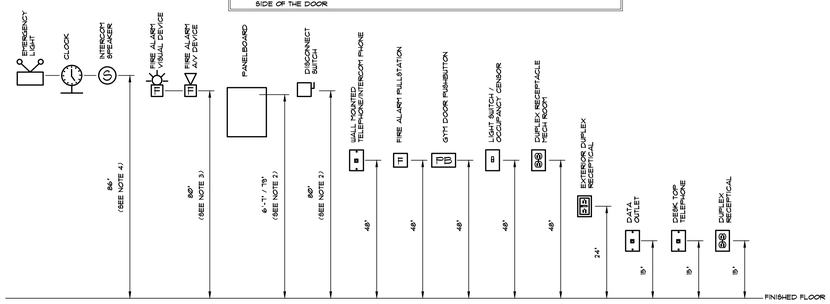


ACCESS CONTROL SYSTEM SCHEMATIC

SCALE: NONE (TYPICAL ARRANGEMENT AT EACH DOOR)

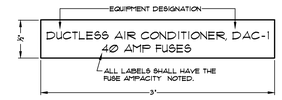
NOTES

1. ALL MOUNTING HEIGHTS ARE TO THE CENTER LINE OF THE DEVICE, UNLESS OTHERWISE NOTED.
2. MAXIMUM DISTANCE FROM FINISHED FLOOR OR WORKING PLATFORM TO THE CENTER OF THE GRIP OF THE CIRCUIT BREAKER OR THE OPERATING HANDLE OF THE SWITCH. IF MULTIPLE PANELS ARE INSTALLED ADJACENT TO EACH OTHER, ALIGN THE TOPS OF ALL PANELS.
3. MOUNTING HEIGHT SHALL BE 80" ABOVE FURNISHED FLOOR OR 6" BELOW CEILING, WHICHEVER IS LOWER.
4. MOUNTING HEIGHT SHALL BE 86" TO THE TOP OF THE UNIT IN ANY AREA WITH AN 8'-0" CEILING HEIGHT OR LOWER.
5. SIMILAR DEVICES SHALL BE GANGED TOGETHER AND SHALL HAVE A SINGLE COVER PLATE.
6. ALL LIGHT SWITCHES AND OCCUPANCY CENSOR SHALL BE MOUNTED WITH 12" OF THE STRIKE SIDE OF THE DOOR



DEVICE MOUNTING HEIGHTS

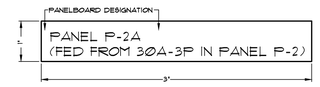
SCALE: NONE



ALL EXTERIOR EQUIPMENT (FUSED SAFETY SWITCHES) SHALL BE LABELED WITH LAMINATED BLACK PHENOLIC ENGRAVED NAMEPLATE WITH WHITE LETTERS, SCREW MOUNT LABELS AND ALL INTERIOR EQUIPMENT SHALL BE LABELED WITH LAMINATED TAPE WITH BLACK LETTERS ON WHITE BACKGROUND, LOCATED ON FACE OF EQUIPMENT.

FUSED SAFETY SWITCH EQUIPMENT LABELS

SCALE: NONE



ALL PANELBOARDS SHALL BE LABELED WITH UNIT DESIGNATION AND ASSOCIATED FEEDER INFORMATION THRU LAMINATED TAPE WITH BLACK LETTERS ON WHITE BACKGROUND ATTACHED TO FACE OF PANELBOARD COVER.

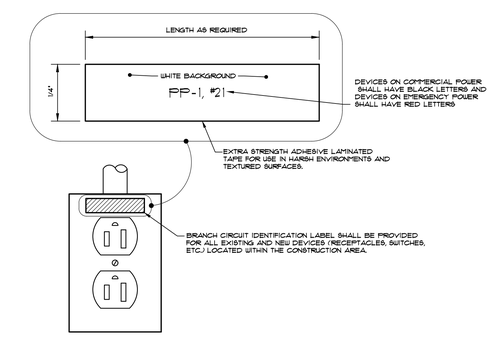
PANELBOARD LABELS

SCALE: NONE

ALL EXTERIOR EQUIPMENT (SERVICE DISCONNECT, SAFETY SWITCHES, STARTERS, ETC.) SHALL BE LABELED WITH LAMINATED BLACK PHENOLIC ENGRAVED NAMEPLATE WITH WHITE LETTERS, SCREW MOUNT LABELS AND ALL INTERIOR EQUIPMENT SHALL BE LABELED WITH LAMINATED TAPE WITH BLACK LETTERS ON WHITE BACKGROUND, LOCATED ON FACE OF EQUIPMENT.

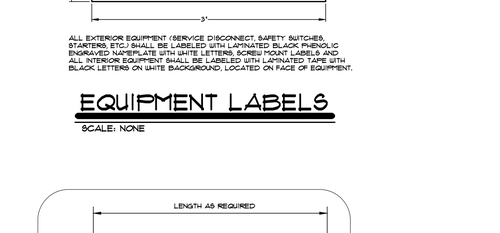
EQUIPMENT LABELS

SCALE: NONE



COVER PLATE LABEL DETAIL

SCALE: NONE

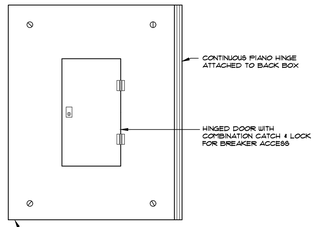


CONDUIT LABEL DETAIL

SCALE: NONE

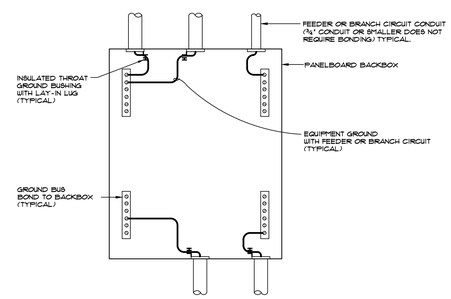
PANELBOARD ARC FLASH LABEL

SCALE: NONE



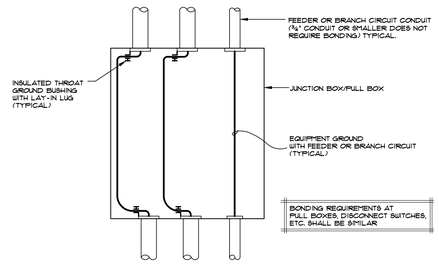
PANELBOARD COVER

SCALE: NONE



BONDING REQUIREMENTS AT PANELBOARDS

SCALE: NONE



BONDING REQUIREMENTS AT JUNCTION BOXES

SCALE: NONE

MARCH ASSOCIATES
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258 Genesee Street, Suite 300
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Towne Engineering, P.C.
18 South Street
Utica, New York 13501

LICENSED PROFESSIONAL ENGINEER — SCOTT M. TOWNE — No. 045980 — STATE OF NEW YORK

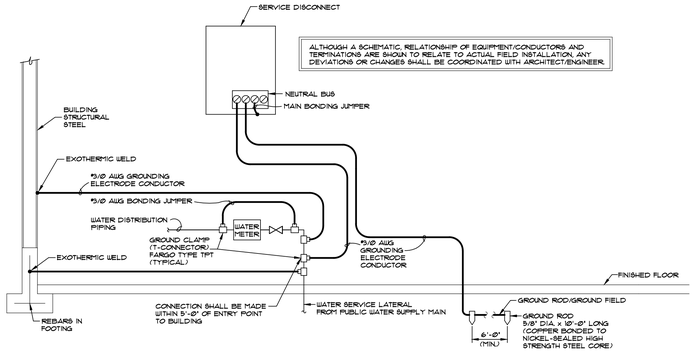
ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	MARCH 13, 2025
DRAWN BY	GHS
CHECKED BY	GHS
SCALE	AS NOTED
PROJECT NO.	23036 (4011)

DRAWING TITLE
DETAILS

DRAWING NO.
E701



GROUNDING SYSTEM SCHEMATIC

SCALE: NONE

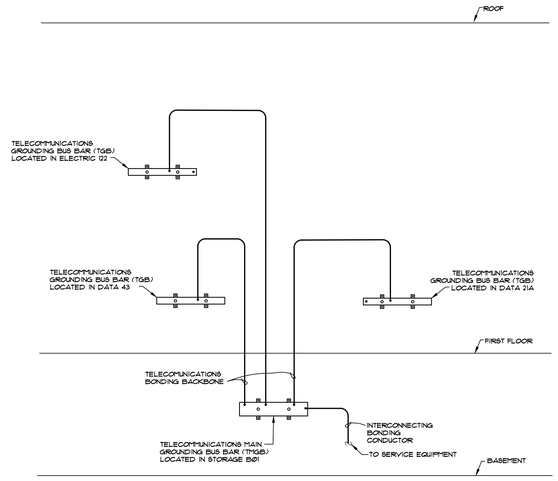
GROUNDING SYSTEM NOTES

1. ALL CONDUCTORS SHALL BE CONTINUOUS (WITHOUT SPLICES), STRANDED COPPER, TYPE THWN/THHN INSULATION (BARE CONDUCTORS NOT ALLOWED), RUN AS STRAIGHT AS POSSIBLE (NECESSARY CHANGES IN DIRECTION SHALL HAVE 12" RADIUS, MINIMUM).
2. SLEEVES PASSING THROUGH BUILDING WALLS AND FLOORS SHALL BE RIGID NON-METALIC CONDUIT.
3. MATING SURFACES OF CONNECTORS AND GROUND BAR SHALL BE CLEANED TO A BRIGHT FINISH WITH ANTI-OXIDATION COMPOUND APPLIED BEFORE BOLTING.
4. BOLTS, NUTS, WASHERS SHALL BE BRASS AS MANUFACTURED BY BURNDY, TYPE THH SERIES.
5. PROVIDE 1¼" DIAMETER BRASS DISC AT EACH END GROUND CONNECTION, ATTACH TO CONDUCTOR WITH STAINLESS STEEL S HOOK AND NYLON TY-RAP. EACH DISC SHALL BE STAMPED "DO NOT DISCONNECT" ON ONE SIDE AND DESTINATION /LOCATION ON OTHER.
6. COMPRESSION LUGS, 2 HOLE (COLOR KEYED, SHALL BE MANUFACTURED BY BURNDY:

WIRE SIZE	CATALOG NUMBER
#6 AWG	YA6C-2LN
#2 AWG	YA2C-2LN
#3/0 AWG	YA2BL-2TC38
#4/0 AWG	YA2BL-2TC38
750 MCM	YA35L-2TC38

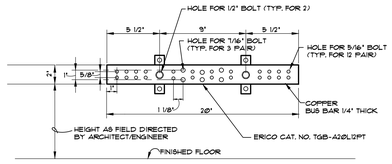
7. CONDUCTOR SIZING REQUIREMENTS:

WIRE SIZE	CONDUCTOR LENGTH
#6 AWG	LESS THAN 13 FEET
#4 AWG	14 FEET TO 20 FEET
#3 AWG	21 FEET TO 26 FEET
#2 AWG	27 FEET TO 33 FEET
#1 AWG	34 FEET TO 41 FEET
#1/0 AWG	42 FEET TO 52 FEET
#2/0 AWG	53 FEET TO 66 FEET
#3/0 AWG	67 FEET TO 84 FEET
#4/0 AWG	85 FEET TO 105 FEET
250 MCM	106 FEET TO 125 FEET
300 MCM	126 FEET TO 150 FEET
350 MCM	151 FEET TO 175 FEET
500 MCM	176 FEET TO 250 FEET
600 MCM	251 FEET TO 300 FEET
750 MCM	301 FEET AND GREATER

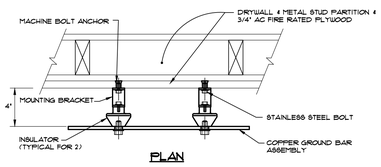


TELECOMMUNICATIONS GROUNDING SYSTEM SCHEMATIC

SCALE: NONE



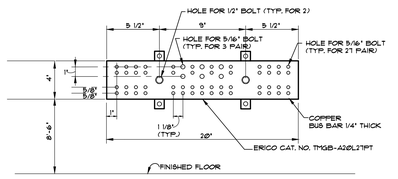
ELEVATION



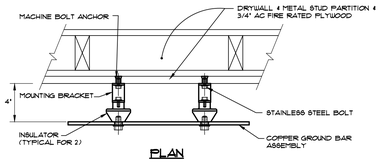
PLAN

TELECOMMUNICATIONS GROUNDING BUSBAR (TGB)

SCALE: NONE



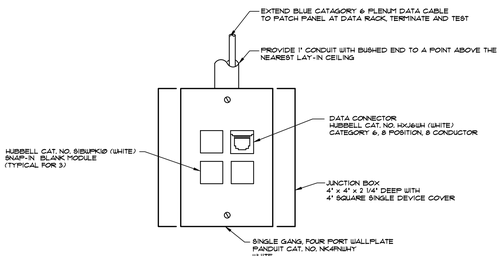
ELEVATION



PLAN

TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB)

SCALE: NONE



VOICE/DATA OUTLET ASSEMBLY

SCALE: NONE

EXISTING DATA CABLING IS NOT INDICATED ON THE SCHEMATIC. REFER TO REMOVAL FLOOR PLANS FOR ALL MODIFICATIONS AND REMOVALS TO EXISTING CABLING SYSTEM.

REFERENCE NOTES

1. PROVIDE 4 PAIR CATEGORY 6 CABLE (PLENUM RATED) UNLESS OTHERWISE NOTED FOR EACH DEVICE.
2. ALL CABLING WHEREVER POSSIBLE SHALL EXTEND THRU CORRIDOR CEILINGS TO THEIR ASSOCIATED DATA RACK.
3. PROVIDE 20 FOOT SERVICE LOOP AT ALL TERMINATIONS.
4. ALL CABLING INSULATION JACKETING SHALL BE COLOR CODED TO MATCH EXISTING, FIELD VERIFY EXACT COLORS PRIOR TO ORDERING ALL CABLING.
5. PROVIDE 5 ADDITIONAL 4 PAIR CATEGORY 6 (PLENUM RATED) DATA CABLES AS FIELD DIRECTED BY OWNER WITH ALL NECESSARY JUNCTION BOXES, KEYSTONES, FACE PLATES, ETC. WITH A MAXIMUM LENGTH OF 250FT EACH OR NO MORE THAN 1000FT TOTAL.
6. PROVIDE APC SMART UPS MODEL SMT3000RM2UC OR APPROVED EQUAL, WITH ALL REQUIRED MOUNTING ACCESSORIES, FOR A COMPLETE INSTALLATION.

DATA SYSTEMS SCHEMATIC

SCALE: NONE

(REFER TO FLOOR PLANS FOR EXACT LOCATION

MARCH ASSOCIATES
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258 Genesee Street, Suite 300
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315.733.3344
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Towne Engineering, P.C.
18 South Street
Utica, New York 13501

LICENSED PROFESSIONAL ENGINEER — JOHN H. TOWNE — No. 045980 — STATE OF NEW YORK

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	MARCH 13, 2025		
DRAWN BY	GHS		
CHECKED BY	GHS		
SCALE	AS NOTED		
PROJECT NO.	23036 (4011)		

DRAWING TITLE
DETAILS

DRAWING NO.
E702

WIRELESS LIGHTING CONTROLS SCHEDULE

DEVICE	MANUFACTURER	CATALOG NO.	OPERATION			COVERAGE (SQUARE FEET)	MOUNTING		OPTIONS	VOLTAGE	ROOM CONTROLLER
			INFRARED	MICROPHONICS	ULTRASONIC		CEILING	WALL			
T5K	COOPER WAVELINX	WTA					●			120 VAC	
WAC	COOPER WAVELINX	WAC2-POE					●			48 VDC	
S_D	COOPER WAVELINX	WL-RL-51						●		120 VAC	
S_{DB}	COOPER WAVELINX	W45-RL-54						●		120 VAC	
DSP	COOPER WAVELINX	RSP-P-Ø10-347					●			120 VAC	

S_D ONE SCENE BUTTON WITH RAISE/LOWER FIELD PROGRAMMABLE WALL STATION, WIRELESS OPERATION

S_{DB} 5 BUTTON RAISE/LOWER FIELD PROGRAMMABLE WALL STATION WITH CUSTOM ENGRAVING, WIRELESS OPERATION

WAC WIRELESS AREA CONTROLLER

WTA PRO TILEMOUNT KIT (WIRELESS CONTROLLER)

DSP PRO DIMMING SWITCHPACK

GENERAL NOTES:

1. ALL DEVICES SHALL BE WHITE AND SHALL BE COMPLETE WITH ASSOCIATED COVER PLATE.

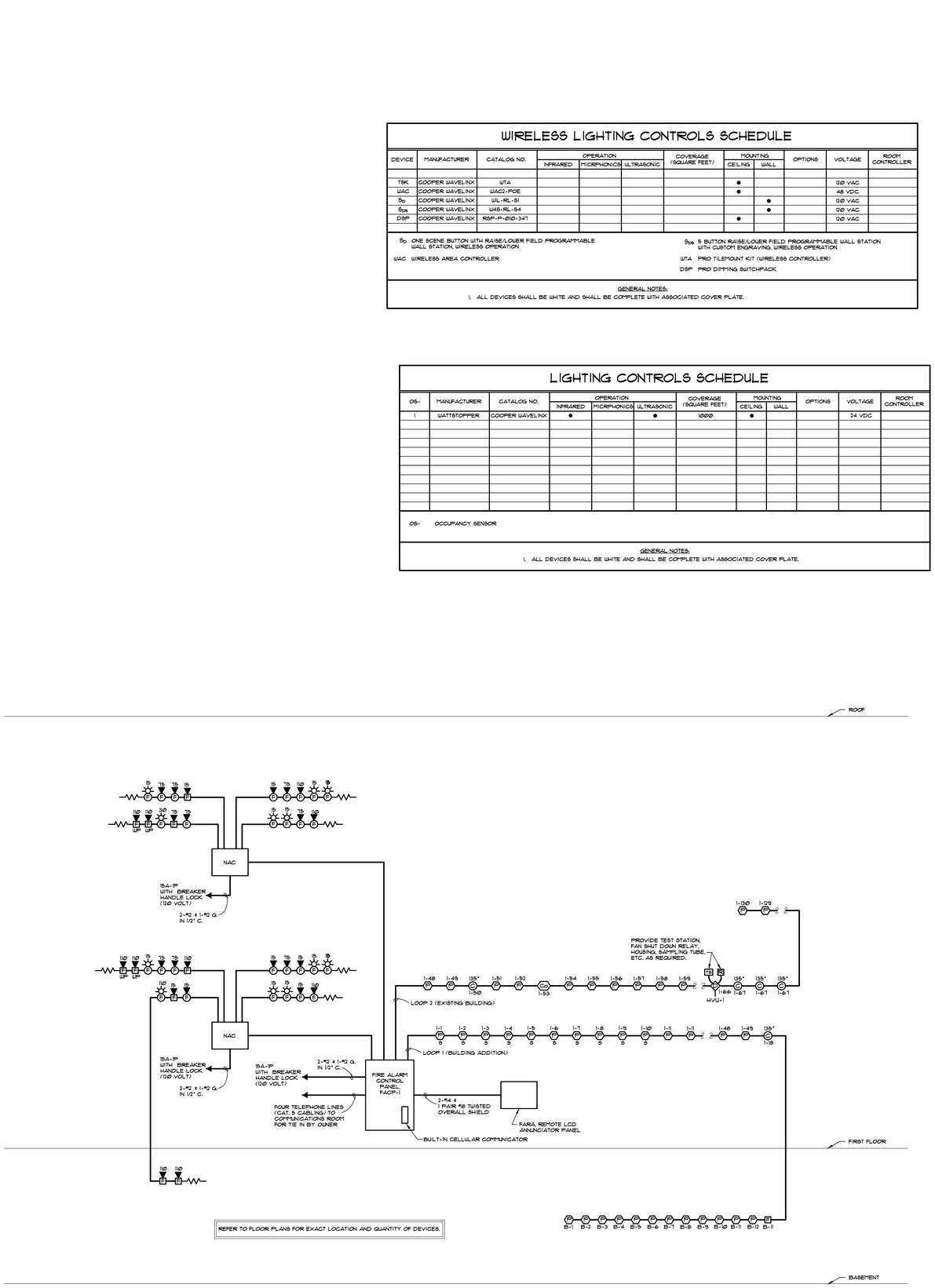
LIGHTING CONTROLS SCHEDULE

OS-	MANUFACTURER	CATALOG NO.	OPERATION			COVERAGE (SQUARE FEET)	MOUNTING		OPTIONS	VOLTAGE	ROOM CONTROLLER
			INFRARED	MICROPHONICS	ULTRASONIC		CEILING	WALL			
1	WATTSTOPPER	COOPER WAVELINX	●		●	1000	●			24 VDC	

OS- OCCUPANCY SENSOR

GENERAL NOTES:

1. ALL DEVICES SHALL BE WHITE AND SHALL BE COMPLETE WITH ASSOCIATED COVER PLATE.



FIRE ALARM RISER

SCALE: NONE

FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	VOLTAGE	MOUNTING	REMARKS	MANUFACTURER
A	2' x 2' CRUZE, 3 1/4" DEEP HOUSING, STEEL FRAME WITH STIFFENERS, 80% REFLECTIVE, MATTE WHITE ENAMEL FINISH, RIBBED FROSTED ACRYLIC LENS, Ø-10V DIMMING DRIVER (10-100%), WIRELESS INTEGRATED SENSOR	16.2 W LED (2142 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CAT. NO. 22CZ2-30-UNV-L840-CD-WA A
B	2' x 4' CRUZE, 3 1/4" DEEP HOUSING, STEEL FRAME WITH STIFFENERS, 80% REFLECTIVE, MATTE WHITE ENAMEL FINISH, RIBBED FROSTED ACRYLIC LENS, Ø-10V DIMMING DRIVER (10-100%), WIRELESS INTEGRATED SENSOR, HIGH EFFICACY - TWO ROWS OF LED'S	27.4 W LED (3618 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CAT. NO. 24CZ2-30-UNV-L840-CD1-WA A
B1	2' x 4' CRUZE, 3 1/4" DEEP HOUSING, STEEL FRAME WITH STIFFENERS, 80% REFLECTIVE, MATTE WHITE ENAMEL FINISH, RIBBED FROSTED ACRYLIC LENS, Ø-10V DIMMING DRIVER (10-100%), WIRELESS INTEGRATED SENSOR, HIGH EFFICACY - TWO ROWS OF LED'S	27.3 W LED (3633 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CAT. NO. 24CZ2-35-UNV-L840-CD1-WA A
B2	2' x 4' CRUZE, 3 1/4" DEEP HOUSING, STEEL FRAME WITH STIFFENERS, 80% REFLECTIVE, MATTE WHITE ENAMEL FINISH, RIBBED FROSTED ACRYLIC LENS, Ø-10V DIMMING DRIVER (10-100%), WIRELESS INTEGRATED SENSOR, HIGH EFFICACY - TWO ROWS OF LED'S	36.4 W LED (4178 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CAT. NO. 24CZ2-40-UNV-L840-CD1-WA A
B3	2' x 4' CRUZE, 3 1/4" DEEP HOUSING, STEEL FRAME WITH STIFFENERS, 80% REFLECTIVE, MATTE WHITE ENAMEL FINISH, RIBBED FROSTED ACRYLIC LENS, Ø-10V DIMMING DRIVER (10-100%), WIRELESS INTEGRATED SENSOR, HIGH EFFICACY - TWO ROWS OF LED'S	35.0 W LED (4602 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CAT. NO. 24CZ2-45-UNV-L840-CD1-WA A
C	4' X 1.5" WIDE LINEAR SLOT, EXTRUDED ALUMINUM HOUSING, FROSTED ACRYLIC LENS, Ø-10V DIMMING DRIVER, WIRELESS INTEGRATED SENSOR, WHITE	19.0 W LED (2000 LUMENS)	120/277	RECESSED (CEILING)	AIRCRAFT CABLE	FOCAL POINT CAT. NO. FSP2L8SU2D0UPNUTA-PR2M12 ULXPC56WH4FT0IN
D	4" DIAMETER DOWNLIGHT, GALVANIZED STEEL FRAME, MICRO PRISMATIC LENS FIELD REVERSIBLE FOR MEDIUM OR WIDE BEAM DISTRIBUTION, SELECTABLE LUMEN OUTPUT AND CCT, Ø-10V DIMMING, INTEGRAL SELF FLANGED REFLECTOR, WHITE.	10.5 W LED (1000 LUMENS)	120/277	RECESSED (CEILING)		HALO COMMERCIAL CAT. NO. PR4RSSU2D0UPNUTA-PR4M12 MD8RSMU
D1	4" DIAMETER DOWNLIGHT, GALVANIZED STEEL FRAME, MICRO PRISMATIC LENS FIELD REVERSIBLE FOR MEDIUM OR WIDE BEAM DISTRIBUTION, SELECTABLE LUMEN OUTPUT AND CCT, Ø-10V DIMMING, INTEGRAL SELF FLANGED REFLECTOR, WHITE.	10.5 W LED (1000 LUMENS)	120/277	RECESSED (CEILING)	PROVIDE WAVELINX PRO TILEMOUNT SENSOR KIT AND PROVIDE INSTALLATION PER MANUFACTURER'S DIRECTIONS	HALO COMMERCIAL CAT. NO. PR4RSSU2D0UPNUTA-PR4M12 MD8RSMU - WTE
E	6" DIAMETER CYLINDER, SEMI-SPECULAR CLEAR BELT-FLANGED REFLECTOR, 5PIN ALUMINUM HOUSING, Ø-10V DIMMING, WHITE, WAVELINX WIRELESS NODE	27.1 W LED (2,500 LUMENS)	120/277	PENDANT (CEILING/ STRUCTURE)		HALO COMMERCIAL CAT. NO. HCC6SSD2D0UPNUNP-HMBC 6525B40-6 WDHUF
F	3 ½" WIDE X 3 ½" TALL X 4' LONG DIRECT/INDIRECT PENDANT, 20 GAUGE COLD ROLLED STEEL WITH EXTRUDED ALUMINUM RAILS, FROSTED LENS, Ø-10V DIMMING DRIVER, WHITE, WIRELESS INTEGRATED SENSOR	2.4 W (309 LUMENS) PER FT INDIRECT + 4.0 W (540 LUMENS) PER FT DIRECT	120/277	PENDANT (CEILING)	AIRCRAFT CABLE SUSPENSION	NULITE CAT. NO. RP44B8TBUBUL40UNVD1UHU Ø48ULX
F1	3 ½" WIDE X 3 ½" TALL X 4' LONG DIRECT/INDIRECT PENDANT, 20 GAUGE COLD ROLLED STEEL WITH EXTRUDED ALUMINUM RAILS, FROSTED LENS, Ø-10V DIMMING DRIVER, WHITE, WIRELESS INTEGRATED SENSOR	2.4 W (305 LUMENS) PER FT INDIRECT + 4.7 W (599 LUMENS) PER FT DIRECT	120/277	PENDANT (CEILING)	AIRCRAFT CABLE SUSPENSION	NULITE CAT. NO. RP44B8TBUBUL40UNVD1UHU Ø48ULX
G	4' X 4' APERTURE LINEAR, SCRATCH AND IMPACT RESISTANT DIFFUSER, ALUMINUM EXTRUDED FRAME, SELECTABLE LUMEN OUTPUT AND CCT, Ø-10V DIMMING DRIVER, WHITE, WIRELESS INTEGRATED SENSOR	17.5 W LED (1622 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CAT. NO. 4RBG8-8L1-L88CT3-WAA
G1	4' X 4' APERTURE LINEAR, SCRATCH AND IMPACT RESISTANT DIFFUSER, ALUMINUM EXTRUDED FRAME, SELECTABLE LUMEN OUTPUT AND CCT, Ø-10V DIMMING DRIVER, WHITE, WIRELESS INTEGRATED SENSOR	35.9 W LED (4155 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CAT. NO. 4RBG8-8L1-L88CT3-WAA
H	4' LINEAR STRIPLIGHT, FULL FROSTED ROUND LENS, WIDE DISTRIBUTION, Ø-10V DIMMING DRIVER, PAINT AFTER FABRICATION, WHITE, WAVELINX WIRELESS INTEGRATED SENSOR	29.8 W LED (4292 LUMENS)	120/277	SURFACE AND/OR PENDANT (CEILING)		METALUX CAT. NO. 48NX-458L-LU-UNV-L840-CD1-WAA-PAF
H1	4' LINEAR STRIPLIGHT, FULL FROSTED ROUND LENS, WIDE DISTRIBUTION, Ø-10V DIMMING DRIVER, PAINT AFTER FABRICATION, WHITE, WAVELINX WIRELESS INTEGRATED SENSOR	13.8 W LED (213 LUMENS)	120/277	SURFACE AND/OR PENDANT (CEILING)		METALUX CAT. NO. 48NX-228L-LU-UNV-L840-CD1-WAA-PAF
I	NOT USED					
J	2 X 4 PRISMATIC, 3 ½" DEEP, Ø.125" FROSTED ACRYLIC LENS, Ø-10V DIMMING DRIVER, PAINT AFTER FABRICATION, WIRELESS INTEGRATED SENSOR	23.4W LED (3074 LUMENS)	120/277	RECESSED (GRID CEILING)		METALUX CATALOG NUMBER 24GR-LD3-3D-FI25-UNV-L84 Ø-CD1-PAF-WAA
K	11" DIAMETER PENDANT SHADE, DIE CAST ALUMINUM HOUSING, OPAL HAND BLOWN GLASS SHADE, DRIVER HOUSED INSIDE CANOPY, 6 FOOT POWER CORD, Ø-10V DIMMING DRIVER, WHITE	36.5 W LED (2788 LUMENS)	120/277	PENDANT (STRUCTURE)		DELRAY CAT. NO. AL23B1-HO-WO-WAB-D
S	GALLEON WALL SLIM, 70 CRI, 350MA, 1 LIGHT SQUARE, TYPE IV FORWARD OPTICS, HOUSE SIDE SHIELD, DIMMING OCCUPANCY SENSOR WITH BLUETOOTH INTERFACE	1-19.7 W LED (2747 LUMENS)	120-277	SURFACE (WALL)	COLOR SELECTED BY ARCHITECT	MCGRAW-EDISON CAT. NO. GWB-SA1A-135-U-T4FT-HSS-SPB2
SEM	GALLEON IMPACT ELITE QUARTER SPHERE, 70 CRI, 350MA, 1 LIGHT SQUARE, TYPE IV FORWARD OPTICS, HOUSE SIDE SHIELD, MOTION SENSOR FOR DIMMING OPERATION	1-20.1 W LED (2751 LUMENS)	120-277	SURFACE (WALL)	COLOR SELECTED BY ARCHITECT, BATTERY PACK, COLD WEATHER RATED	MCGRAW-EDISON CAT. NO. IBB-SA1C-140-U-T4FT-HSS-CBP-CEC-SPB2
S1	GALLEON WALL SLIM, 70 CRI, 350MA, 1 LIGHT SQUARE, TYPE IV FORWARD OPTICS, HOUSE SIDE SHIELD, DIMMING OCCUPANCY SENSOR WITH BLUETOOTH INTERFACE	1-44.3 W LED (5857 LUMENS)	120-277	SURFACE (WALL)	COLOR SELECTED BY ARCHITECT	MCGRAW-EDISON CAT. NO. GWB-SA1D-140-U-T4FT-HSS-SPB2
EBU-1	EMERGENCY BATTERY UNIT, HIGH IMPACT POLYCARBONATE LED, CIRCULAR HEADS, SELF DIAGNOSTIC, UNIVERSAL VOLTAGE, WHITE	12 W, LED (90 FOOT SPACING)	120/277	SURFACE (WALL)	NICKEL CADMIUM BATTERY	SURE-LITES CATALOG NO. SELB9BO
EX-1	EXIT SIGN, STEEL HOUSING, SINGLE FACE, ARROW INDICATORS, SELF DIAGNOSTIC, RED LETTERS, UNIVERSAL VOLTAGE, SELF-POWERED, WHITE	1.0 W, LED	120/277	SURFACE (WALL/CEILING)	NICKEL CADMIUM BATTERY	SURE-LITES CATALOG NO. SLX-1-SD-R-UH-1
EX-2	EXIT SIGN, STEEL HOUSING, DOUBLE FACE, ARROW INDICATORS, SELF DIAGNOSTIC, RED LETTERS, UNIVERSAL VOLTAGE, SELF-POWERED, WHITE	1.0 W, LED	120/277	SURFACE (WALL/CEILING)	NICKEL CADMIUM BATTERY	SURE-LITES CATALOG NO. SLX-1-SD-R-UH-2

REFERENCE NOTES

1. LED LAMPS SHALL HAVE A CORRELATED COLOR TEMPERATURE OF 4000 KELVINS (COOL WHITE).
2. ANY SUBSTITUTED LIGHT FIXTURE LUMEN OUTPUT SHALL BE WITHIN 5% OF THE SPECIFIED LUMEN OUTPUT FOR EACH LIGHT FIXTURE NOTED IN THE FIXTURE SCHEDULE.
3. PROVIDE LIGHTING BRANCH CIRCUIT JUNCTION BOX(ES) ATTACHED TO DECK/STEEL STRUCTURE, FLEXIBLE CONDUIT FIXTURE WHIP WITH 6'-0" ADDITIONAL LENGTH TO ALLOW FOR FIELD ADJUSTMENT (TIE-WRAP TO FIXTURE SUPPORTS). FIXTURE TO FIXTURE WHIP(S) SHALL BE PROVIDED WITH 6'-0" ADDITIONAL CONDUIT LENGTH TO ALLOW FOR FIELD ADJUSTMENT.
4. PROVIDE TWO MC-GRAW EDISON PBUR-100 CONFIGURATION TOOLS TO THE OWNER AT PROJECT COMPLETION.
5. PROVIDE SIX ADDITIONAL B1 FIXTURES FOR INSTALLATION AS DIRECTED BY OWNER, INCLUDE ALL MATERIAL AND LABOR.
6. PROVIDE THREE ADDITIONAL E FIXTURES FOR INSTALLATION AS DIRECTED BY OWNER, INCLUDE ALL MATERIAL AND LABOR.
7. LED FLAT PANEL LIGHTS ARE NOT AN EQUAL TO SPECIFIED LIGHT FIXTURES AND WILL NOT BE ACCEPTED AS A SUBSTITUTE. ANY SHOP DRAWING THAT CONTAINS ANY TYPE OF LED FLAT PANEL LIGHT WILL BE AUTOMATICALLY REJECTED.

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ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED DESIGN PROFESSIONAL IS A VIOLATION OF NEW YORK STATE EDUCATIONAL LAW.

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LICENSED PROFESSIONAL ENGINEER — JOHN H. TOWNE — No. 045960 — STATE OF NEW YORK

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
CORNELL COOPERATIVE EXTENSION
ADDITION & ALTERATIONS
121 SECOND STREET, ORISKANY, NY 13424

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	MARCH 13, 2025		
DRAWN BY	GHS		
CHECKED BY	GHS		
SCALE	AS NOTED		
PROJECT NO.	23036 (401)		

DRAWING TITLE
DETAILS

DRAWING NO.
E703