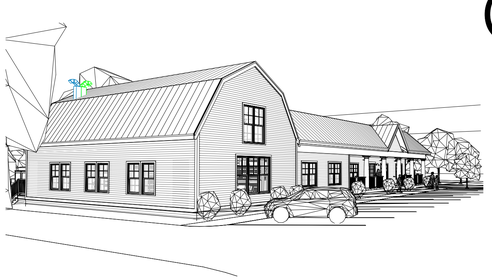
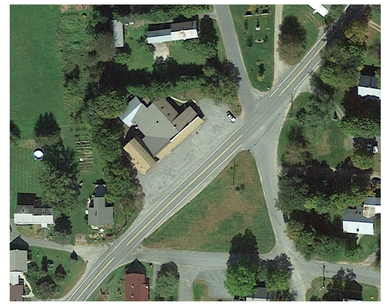
CORNISH LIBRARY & COMMUNITY CENTER



226 NH-120
CORNISH FLAT, NH 03746
CONSTRUCTION DOCUMENTS
3/31/25



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DRAWING LIST

GENERAL:

G000	COVER SHEET
G100	CODE PLANS

CIVIL:

C0.1	LEGEND AND NOTES
C1.0	EXISTING CONDITIONS PLAN
C1.1	EPSC PLAN
C2.0	SITE PLAN
C3.0	SITE DETAILS
C3.1	SITE DETAILS
C3.2	SITE DETAILS

STRUCTURAL:

S001	BASIS OF DESIGN, NOTES
S002	NOTES, SCHEDULES
S003	SPECIAL INSPECTIONS
S100	FOUNDATION PLAN
S101	FIRST FLOOR FRAMING PLAN
S102	SECOND FLOOR FRAMING PLAN
S102A	EXISTING CEILING PLAN
S102B	LOW ROOF FRAMING PLAN
S103	ROOF FRAMING PLAN
S200	TYPICAL FOUNDATION DETAILS
S300	TYPICAL FRAMING DETAILS
S301	FRAMING DETAILS
S302	FRAMING DETAILS

ARCHITECTURAL:

AD101	DEMOLITION PLANS
A001	GENERAL NOTES, ABBREVIATIONS, ANNOTATIONS, LEGENDS, & WALL TYPES
A101	LEVEL 1 FLOOR PLAN
A102	BASEMENT, LEVEL 2, AND ROOF PLANS
A121	REFLECTED CEILING PLANS
A201	EXTERIOR ELEVATIONS
A300	BUILDING SECTIONS
A302	WALL SECTIONS
A303	WALL SECTIONS
A320	INTERIOR DETAILS
A400	ENLARGED STAIR PLANS AND SECTIONS
A401	ENLARGED STAIR PLANS AND SECTIONS
A500	ENLARGED RESTROOM PLANS AND SCHEDULES
A601	DOOR AND WINDOW SCHEDULES
A700	INTERIOR ELEVATIONS
A701	INTERIOR ELEVATIONS
A801	FINISH PLANS

MECHANICAL:

M-1	MECHANICAL SCHEDULES AND DETALS
M-2	MECHANICAL BASEMENT PLAN
M-3	MECHANICAL LEVEL 1 FLOOR PLAN
M-4	MECHANICAL LEVEL 2 FLOOR PLAN

PLUMBING:

P-1	PLUMBING SCHEDULES AND DETAILS
P-2	PLUMBING BASEMENT PLAN
P-3	PLUMBING LEVEL 1 FLOOR PLAN
P-4	PLUMBING LEVEL 2 FLOOR PLAN

ELECTRICAL:

E-1	ELECTRICAL SYMBOL LIST AND DETAILS
E-2	ELECTRICAL BASEMENT POWER & DATA PLAN
E-3	ELECTRICAL FIRST FLOOR POWER & DATA PLAN
E-4	ELECTRICAL SECOND FLOOR POWER & DATA PLAN
E-5	ELECTRICAL BASEMENT LIGHTING PLAN
E-6	ELECTRICAL FIRST FLOOR LIGHTIG PLAN
E-7	ELECTRICAL SECOND FLOOR LIGHTING PLAN
E-8	ELECTRICAL BASEMENT FIRE ALARM PLAN
E-9	ELECTRICAL FIRST FLOOR FIRE ALARM PLAN
E-10	ELECTRICAL SECOND FLOOR FIRE ALARM PLAN
E-11	ELECTRICAL SITE PLAN
E-12	ELECTRICAL POWER RISER & PANEL SCHEDULES

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT

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DATE: 3/31/25

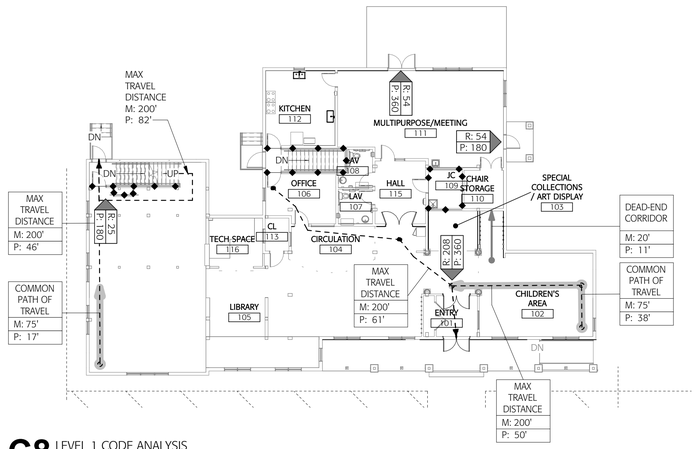
ISSUED AS: CONSTRUCTION DOCUMENTS

PROJECT NO: 23-129

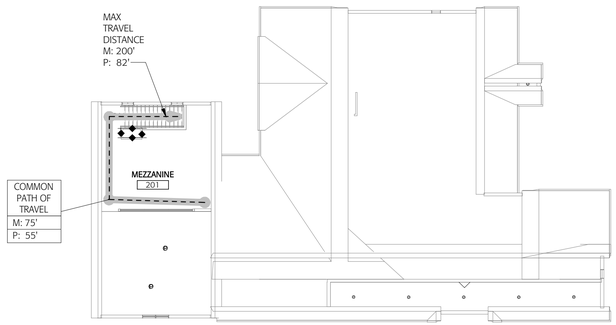
PROJECT: CORNISH LIBRARY & COMMUNITY CENTER

OCCUPANCY LOADS - LEVEL 2					
Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
MEZZANINE	201	592 SF	15 SF	Assembly - Less concentrated use, without fixed seating	39
Grand total					39

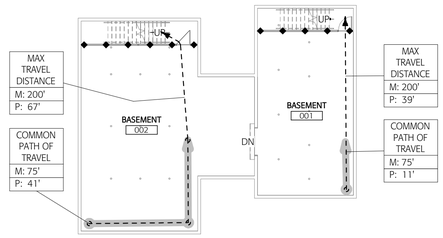
OCCUPANCY LOADS - LEVEL 1					
Name	Number	Area	Area Per Occupant	Use Classification (Per NFPA 101 table 7.3.1.2))	Occupants
CHILDREN'S AREA	102	524 SF	50 SF	Assembly - Library reading rooms	11
SPECIAL COLLECTIONS / ART DISPLAY	103	99 SF	15 SF	Assembly - Less concentrated use, without fixed seating	8
LIBRARY	105	2,236 SF	100 SF	Assembly - Library stack areas	25
OFFICE	106	165 SF	100 SF	Business - General	3
CHAIR STORAGE	110	75 SF	500 SF	Storage Use - Non-storage or mercantile occupancies	1
MULTIPURPOSE/MEETING	111	744 SF	7 SF	Assembly - Concentrated use, without fixed seating	107
KITCHEN	112	260 SF	100 SF	Assembly - Kitchens	4
TECH SPACE	116	141 SF	15 SF	Assembly - Less concentrated use, without fixed seating	10
CL	118			(none)	
Grand total					169



C8 LEVEL 1 CODE ANALYSIS
Scale: 1/16" = 1'-0"



A8 LEVEL 2 CODE ANALYSIS
Scale: 1/16" = 1'-0"



1 BASEMENT CODE ANALYSIS
Scale: 1/16" = 1'-0"

CODE SUMMARY

APPLICABLE BUILDING/LIFE SAFETY CODES:
- INTERNATIONAL EXISTING BUILDING CODE (IEBC) - 2021 EDITION
  - CHANGE OF OCCUPANCY
- INTERNATIONAL BUILDING CODE (IBC) - 2021 EDITION
- INTERNATIONAL ENERGY CONSERVATION CODE (IECC) - 2018 EDITION
  - COMPLIANCE AT NEW CONSTRUCTION ONLY PER IEBC 907

~NH STATE BUILDING CODE - RSA 155-A
- INTERNATIONAL BUILDING CODE (IBC) - 2021 EDITION, AS AMENDED
- INTERNATIONAL EXISTING BUILDING CODE (IEBC) - 2021 EDITION, AS AMENDED
- INTERNATIONAL ENERGY CONSERVATION CODE - 2018 EDITION, AS AMENDED

~ NEW HAMPSHIRE SAF-FMO 300 BUILDING SAFETY CODE
- NFPA 1 UNIFORM FIRE CODE - 2021 EDITION
- NFPA 101 LIFE SAFETY CODE - 2021 EDITION

~ INTERNATIONAL MECHANICAL CODE (IMC) - 2021 EDITION, AS AMENDED
~ INTERNATIONAL PLUMBING CODE (IPC) - 2021 EDITION, AS AMENDED
~ NFPA 70 - NATIONAL ELECTRIC CODE (NEC) - 2020, AS AMENDED

~ APPLICABLE ACCESSIBILITY CODES & STANDARDS:
- INTERNATIONAL EXISTING BUILDING CODE (IEBC) - 2021 EDITION: SECTION 306 AS AMENDED
-INTERNATIONAL BUILDING CODE (IBC) - 2021 EDITION- CHAPTER 11, AS AMENDED
- ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010 EDITION
- ICC A117.1-2017 - ACCESSIBLE & USABLE BUILDINGS & FACILITIES
- ABA ARCHITECTURAL BARRIERS ACT STANDARDS - 2015 EDITION (FOR USDA COMPLIANCE ONLY)

PROPOSED FACILITY:

~ OVERALL FACILITY FIRE PROTECTION
- FULL AUTOMATIC DETECTION FIRE ALARM SYSTEM COMPLYING WITH NFPA 72
- FIRE EXTINGUISHERS COMPLYING WITH IBC 906.1

~ OCCUPANCY CLASSIFICATION: ASSEMBLY A-3

~ CONSTRUCTION CLASSIFICATION: TYPE - VB
FIRST FLOOR WALLS WOOD STUD WITH GYPSUM FINISH
MEZZANINE WALLS WOOD STUD WITH GYPSUM FINISH

~ BUILDING STORIES & HEIGHT (IBC TABLE 504. AND 504.4): NON-SPRINKLERED

- ALLOWABLE STORIES: 1
- PROPOSED STORIES: 1 (EXISTING)- COMPLIES

- ALLOWABLE HEIGHT: 40 FEET
- PROPOSED HEIGHT: 25 FEET (EXISTING)- COMPLIES

~ BUILDING AREA (IBC TABLE 506.2)

- ALLOWABLE AREA (ROOF PLAN): ASSEMBLY A-3: 6,000 SF
- PROPOSED AREA (ROOF PLAN): 6,400 GROSS SF

- STREET FRONTAGE INCREASE (IBC 506.3)
242 FEET = BUILDING PERIMETER WITH 20' MINIMUM FRONTAGE CLEARANCE
391 FEET = BUILDING PERIMETER

242/391= 61.8% MINIMUM FRONTAGE (506.3.1)
.33= FRONTAGE INCREASE FACTOR FOR OPEN SPACE BETWEEN 20 AND 25 FEET AT 50% TO 75% OF PERIMETER . (TABLE 506.3.3)
.17 X 6000 SF = 1020 SF (If) ALLOWABLE INCREASE

ALLOWABLE AREA: Aa= At + (NS x If)
7,980 SF ALLOWABLE AREA = 6,000 SF + (6,000 X .33)
6,400 GROSS SF = PROPOSED AREA - COMPLIES

TOTAL SF	EXISTING	DEMO	PROPOSED
BASEMENT	2,592	0	2,592
LEVEL 1	6,540	1,152	5,568
LEVEL 2	1,333	658	675
TOTAL	10,465	1,810	8,835

*SF EXCLUDES OVERHANGS AND CANOPIES

FIRE RESISTANCE RATINGS REQUIREMENTS:

~ BUILDING ELEMENTS (TABLE 601)
- PRIMARY STRUCTURAL FRAME: 0 HR
- EXTERIOR BEARING WALLS: 0 HR
- INTERIOR BEARING WALLS: 0 HR
- EXTERIOR NON-BEARING WALLS : 0 HR (TABLE 705.5(2)
- INTERIOR NON-BEARING WALLS: 0 HR
- FLOOR CONSTRUCTION: 0 HR
- ROOF CONSTRUCTION: 0 HR

- EXIT ACCESS CORRIDORS: 1 HR (IBC TABLE 1020.2)
1 HR OCCUPANTS > 30 (NFPA 101 12.3.6)
- EXIT ENCLOSURES: 1 HR (7.1.3.2.1)
- SHAFTS: 1 HR (8.6.5(2))
- FLOORS: SMOKE BARRIER (8.6.1)

~ INCIDENTAL ACCESSORY OCCUPANCIES (TABLE 509.1, NFPA101: 12.3.2.1)
- BOILER ROOMS W/ EQUIPMENT OVER 15 PSI AND 10 HP:
1 HR or AUTO FIRE-EXTINGUISHING SYSTEM NA
~ PROTECTION FROM HAZARDS (NFPA101: 12.3.2.1)
- NEW JANITOR CLOSETS: 1 HR or AUTO FIRE-EXTINGUISHING SYSTEM

~ NFPA 285 NOT REQUIRED FOR TYPE V BUILDINGS (IBC CHAPTER 1402.5 & 2603.5)

MEANS OF EGRESS REQUIREMENTS:

EDUCATION:
- MAXIMUM TRAVEL DISTANCE: 200 FEET (IBC TABLE 1017.2)
200 FEET (NFPA 101 12.2.6.2)
- MAXIMUM DEAD-END CORRIDOR LENGTH: 20 FEET (IBC 1020.4)
20 FEET (NFPA 12.2.5.1.3)

- MAXIMUM COMMON PATH OF TRAVEL: 75 FEET (IBC 1006.2.1)
75 FEET (12.2.5.1.2)

- MIN CORRIDOR WIDTH:
  - EGRESS WIDTH: IBC: 0.2" PER OCC (IBC 1005)
  NFPA 101: 44 INCHES MIN (12.2.3.8)
  - STAIRWAYS: IBC: 44 INCHES MIN (1011.2) OR 0.3" PER OCC (1005.3.1)
  NFPA 101: 44 INCHES MIN (7.3.3.2) OR 0.3" PER OCC (7.3.3.1)

ENERGY CODE - MINIMUM THERMAL ENVELOPE REQUIREMENTS (CLIMATE ZONE 6):

LOCATION	REQUIRED	PROVIDED
- ROOF	0 (Existing)	R-49
- WALL, NA	EXISTING	ADDITIONAL R12 CONTINUOUS ADDED
- FIXED FENESTRATION- FIBERGLASS	U-0.36	<U-0.367
- OPERABLE FENESTRATION- FIBERGLASS	U-0.43	<U-0.557
- ENTRANCE DOORS- FIBERGLASS	U-0.77	<U-0.557

PLUMBING REQUIREMENTS:
OCCUPANT LOAD:
- ASSEMBLY 130 OCCUPANTS PER OWNER DIRECTIVE

- WATER CLOSETS:	MALE	FEMALE	TOTAL
ASSEMBLY:			
MALE: 1 PER 125	0.52	-	
FEMALE: 1 PER 65	-	1	
TOTAL REQUIRED	1	1	2
TOTAL PROVIDED	1	1	2 (COMPLIES)

- LAVATORY	MALE	FEMALE	TOTAL
ASSEMBLY: 1 PER 200	0.52	0.52	
TOTAL REQUIRED	1	1	2
PROVIDED	1	1	2 (COMPLIES)

- DRINKING FOUNTAINS: 1 REQUIRED 1 PROVIDED (COMPLIES)
- SERVICE SINK: 1 REQUIRED 1 PROVIDED (COMPLIES)

- ACCESSIBLE TOILET ROOMS: NEW TOILET ROOMS ARE REQUIRED TO BE ACCESSIBLE (ADA 213.2);
- WHERE MULTIPLE SINGLE USER TOILET ROOMS ARE PROVIDED 50% ARE TO BE ACCESSIBLE (ADA 213.2, EXCEPTION 4)

GENERAL CODE PLAN NOTES:

1. SEE DOOR SCHEDULE FOR OPENING PROTECTION REQUIREMENTS.
2. MECHANICAL, ELECTRICAL & PLUMBING SUBCONTRACTORS TO COMPLY W/ FIREBLOCKING & FIRESTOPPING REQUIREMENTS, SECTION 07 84 00.

CODE PLAN LEGEND:

BUILDING SEPARATIONS:
- S—S SMOKE PARTITION (NFPA 101 - 8.4)
- 30 MIN FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- S 1 HR SMOKE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- F 1 HR FIRE PARTITION (NFPA 101 8.3 & 3.3.27.1)
- 1 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- 2 HR FIRE BARRIER (NFPA 101 8.3 & 3.3.27.1)
- FW 2 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)
- FW 3 HR FIRE WALL (NFPA 101 8.3 & 3.3.27.1)

BUILDING EGRESS:
- MAXIMUM TRAVEL DISTANCE
- DEAD END CORRIDOR
- COMMON PATH OF TRAVEL

TRAVEL DISTANCE

TRAVEL DISTANCE TYPE	
M: Length	MAX ALLOWABLE
P: Length	PROVIDED

EGRESS CAPACITY
- R: 142 REQUIRED
- P: 180 PROVIDED

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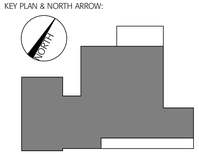
REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
CODE PLANS

PROJECT NO: 23-129 DATE: 3/31/25

SHEET NUMBER:
G100

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STANDARD ABBREVIATIONS

BENCHMARK	BM	END OF VERTICAL CURVE ELEVATION	EVCE	LIMITS OF CONSTRUCTION	LOC	REINFORCED CONCRETE PIPE	RCP
BEGINNING OF VERTICAL CURVE ELEVATION	BVCE	END OF VERTICAL CURVE STATION	EVCS	LIMITS OF DISTURBANCE	LOD	RIGHT-OF-WAY	ROW
BEGINNING OF VERTICAL CURVE STATION	BVCS	EXISTING	EX	MAXIMUM	MAX	SANITARY	SAN
CAST-IN-PLACE	CIP	EXISTING GRADE/GROUND	EG	MINIMUM	MIN	SANITARY MANHOLE	SMH
CAST IRON	CI	FINISHED FLOOR	FF	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	MUTCD	SEPTIC TANK	ST
CATCH BASIN	CB	FINISHED GRADE/GROUND	FG	MONITORING WELL	MW	SILT FENCE	SF
CENTERLINE	℄	FIELD INLET	FI	MONUMENT	MON	SLOPE	S=
CLEAN OUT	C/O	FLARED END SECTION	FES	NOT IN CONTRACT	NIC	STATION	STA
CORRUGATED METAL PIPE	CMP	FOOT, FEET	FT	NOT TO SCALE	NTS	STORM MANHOLE	DMH
CUBIC FEET	CF	FOOTING	FTG	POINT OF CURVATURE	PC	TANGENT	TAN
CUBIC FEET PER SECOND	CFS	FOUNDATION	FND	POINT OF INTERSECTION	PI	TANGENT TO CURVE	TC
CUBIC YARD	CY	GALLONS PER MINUTE	GPM	POLYETHYLENE, PROFESSIONAL ENGINEER	PE	TAPPING SLEEVE AND VALVE	TS&V
DIAMETER	DIA	GATE VALVE	GV	PROPERTY LINE	PL	TEMPORARY BENCHMARK	TBM
DISTRIBUTION BOX	D-BOX	HEADWALL	HW	PERC TEST, POINT OF TANGENCY	PT	TEST PIT	TP
DUCTILE IRON	DI	HIGH DENSITY POLYETHYLENE	HDPE	POLYVINYL CHLORIDE	PVC	TOP OF BANK	TOB
EDGE OF CONCRETE	EOC	HYDRANT	HYD	POINT OF VERTICAL INTERSECTION	PVI	TOP OF CURB	TOC
EDGE OF GRAVEL	EOG	INTERSECTION	INT	POND	PND	TOP OF WALL	TOW
EDGE OF PAVEMENT	EOP	INVERT	INV	QUANTITY	QTY	TYPICAL	TYP
ELECTRIC	ELEC	IRON PIN	IP	QUALITY ASSURANCE	QA	VERIFY IN FIELD	VIF
ELECTRIC MANHOLE	EMH	IRON PIPE SIZE	IPS	QUALITY CONTROL	QC	WATER VALVE	WV
ELEVATION	ELEV	LENGTH	L=	RADIUS	R=		

GENERAL NOTES

1. EXACT OBJECT LOCATIONS MAY DIFFER FROM THAT AS SHOWN, AND ADDITIONAL SUB-SURFACE AND SURFACE UTILITIES AND STRUCTURES MAY EXIST. THE CONTRACTOR IS TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK AND TO CALL DIG SAFE 72 HOURS PRIOR TO ANY DIGGING, DRILLING OR BLASTING.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL FROM THE ENGINEER.
3. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
4. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO EXISTING CONDITIONS OR BETTER AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
6. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, AND CERTIFICATES.
7. THE CONTRACTOR WILL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NH STATE LICENSED LAND SURVEYOR.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS, AND COORDINATE WORK WITH ALL CONTRACTS FOR THE SITE.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS.
10. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS FOR CONSTRUCTION.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
12. MAINTAIN FLOW FOR ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE.
13. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
14. CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND IMPERVIOUS SURFACES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL PROVIDE MARKED-UP AS-BUILT PLANS WITH TIES FOR ALL UTILITIES SHOWING CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED AND APPROVED BY THE TOWN DEPARTMENT OF PUBLIC WORKS BEFORE UTILITIES WILL BE ACCEPTED.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION, MONITORING, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES AND TAKING PRECAUTIONARY STEPS TO AVOID ANY SEDIMENT TRANSFER TO NEIGHBORING SITES OR WATERS OF THE STATE.
17. FOLLOWING ANY WARRANTY PERIOD, THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTAINING ALL LANDSCAPING, TO INCLUDE GRASS AND MULCH, IN GOOD, HEALTHY CONDITION SO AS TO PRESENT A NEAT AND ORDERLY APPEARANCE.
18. AFTER THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THE STORAGE, DISPLAY, OR PARKING OF MOTOR VEHICLES, BOATS, MOBILE HOMES, TRAILERS, OR CONSTRUCTION EQUIPMENT WITHIN LANDSCAPED AREAS, BUFFERS, OR SCREENS, SHOWN AS SUCH ON THE APPROVED LANDSCAPE PLAN, IS EXPRESSLY PROHIBITED AND A VIOLATION OF THE NOTICE OF ACTION.

SYMBOL LEGEND

PROPOSED FEATURES		EXISTING FEATURES
	BOUND	*BOUND*
	BENCHMARK	*BENCHMARK*
	DRILL HOLE	*DRILL HOLE*
	SURVEY POINT	*SURVEY POINT*
	IRON PIN	*IRON PIN*
TP1	TEST PIT	*TP1* *TEST PIT*
B1	BORING	*B1* *BORING*
P1	PERC TEST	*P1* *PERC TEST*
	CATCH BASIN (SQUARE)	*CATCH BASIN (SQUARE)*
	CATCH BASIN (ROUND)	*CATCH BASIN (ROUND)*
	HEADWALL	*HEADWALL*
	FLARED END SECTION	*FLARED END SECTION*
	STONE APRON	*STONE APRON*
	DRAIN MANHOLE (DMH)	*DRAIN MANHOLE (DMH)*
C/O	DRAINAGE CLEAN OUT	*DRAINAGE CLEAN OUT*
	SANITARY SEWER MANHOLE (SMH)	*SANITARY SEWER MANHOLE (SMH)*
C/O	SANITARY CLEAN OUT	*SANITARY CLEAN OUT*
	HYDRANT	*HYDRANT*
WV	WATER SHUTOFF	*WATER SHUTOFF*
	TAPPING SLEEVE & VALVE	*TAPPING SLEEVE & VALVE*
	GATE VALVE	*GATE VALVE*
W	WELL	*WELL*
	UTILITY POLE	*UTILITY POLE*
	GUY POLE	*GUY POLE*
	ELECTRICAL MANHOLE	*ELECTRICAL MANHOLE*
	BUILDING MOUNTED LIGHT	*FLOOD LIGHT*
	LIGHT POST	*LIGHT POST*
	TELEPHONE MANHOLE	*TELEPHONE MANHOLE*
	NATURAL GAS MANHOLE	*NATURAL GAS MANHOLE*
	COMMUNICATION MANHOLE	*COMMUNICATION MANHOLE*
	BOLLARD	*BOLLARD*
	SINGLE POLE SIGN	*SINGLE POLE SIGN*
	DOUBLE POLE SIGN	*DOUBLE POLE SIGN*
+100.5	SPOT ELEVATION	*+ 100.00* *SPOT ELEVATION*
	ACCESSIBLE PARKING STALL	*ACCESSIBLE PARKING STALL*
	DRAINAGE FLOW	*DRAINAGE FLOW*
	DECIDUOUS TREE	*DECIDUOUS TREE*
	CONIFEROUS TREE	*CONIFEROUS TREE*
	ACCESSIBLE CURB RAMP	

LINETYPE LEGEND

PROPOSED FEATURES	EXISTING FEATURES
100 MAJOR CONTOUR	*100 MAJOR CONTOUR*
98 MINOR CONTOUR	*98 MINOR CONTOUR*
EDGE OF RIVER	*EDGE OF RIVER*
EDGE OF POND	*EDGE OF POND*
	FLOOD PLAIN BASED ON B.F.E
	FW *FEMA FLOOD PLAIN LIMITS*
	50' *50' SETBACK FROM ORDINARY HIGH WATER LINE*
	150' *150' SETBACK FROM ORDINARY HIGH WATER LINE*
	250' *250' SETBACK FROM ORDINARY HIGH WATER LINE*
	RRB *RIPARIAN RIGHTS BOUNDARY LINE*
PROPERTY LINE	*PROPERTY LINE*
RIGHT OF WAY	*RIGHT OF WAY*
SETBACK	*SETBACK*
EASEMENT	*EASEMENT*
LOC LIMIT OF CONSTRUCTION	*LIMIT OF CONSTRUCTION*
LOD LIMIT OF DISTURBANCE	*LIMIT OF DISTURBANCE*
SF SILT FENCE	*SILT FENCE*
DEMOLITION WORK	*DEMOLITION WORK*
CENTERLINE	*CENTERLINE*
EDGE OF PAVEMENT	*EDGE OF PAVEMENT*
EDGE OF GRAVEL	*EDGE OF GRAVEL*
EDGE OF CONCRETE	*EDGE OF CONCRETE*
CURB	*CURB*
X X FENCE (BARBED WIRE)	*X X FENCE (BARBED WIRE)*
O O FENCE (CHAIN LINK)	*O O FENCE (CHAIN LINK)*
□ □ FENCE (WOODEN)	*□ □ FENCE (WOODEN)*
GUARD RAIL	*GUARD RAIL*
TREE LINE	*TREE LINE*
	EDGE OF WETLANDS - DELINEATED
	EDGE OF WETLANDS - APPROXIMATE
STONE WALL	*STONE WALL*
S SANITARY SEWER	*S SANITARY SEWER*
	(S) *SANITARY SEWER APPROX.*
FM SEWER FORCEMAIN	*FM SEWER FORCEMAIN*
SS SEWER SERVICE	*SS SEWER SERVICE*
SLA DISPOSAL AREA LATERAL	*SLA DISPOSAL AREA LATERAL*
SD STORM LINE	*SD STORM LINE*
	(ST) *STORM LINE APPROX.*
UD UNDER DRAIN	*UD UNDER DRAIN*
FD FOUNDATION DRAIN	*FD FOUNDATION DRAIN*
RD ROOF DRAIN	*RD ROOF DRAIN*
DITCH/SWALE	*DITCH/SWALE*
T TELECOMM	*T TELECOMM*
	(T) *TELECOMM APPROX.*
UGT UNDERGROUND TELECOMM	*UGT UNDERGROUND TELECOMM*
OHT OVERHEAD TELECOMM	*OHT OVERHEAD TELECOMM*
E ELECTRIC LINE	*E ELECTRIC LINE*
	(E) *ELECTRIC APPROX.*
UGE UNDERGROUND ELECTRIC	*UGE UNDERGROUND ELECTRIC*
OHE OVERHEAD ELECTRIC	*OHE OVERHEAD ELECTRIC*
SL ELECTRICAL SITE LIGHTING	*SL ELECTRICAL SITE LIGHTING*
W WATER LINE	*W WATER LINE*
	(W) *WATER APPROX.*
WS WATER SERVICE	*WS WATER SERVICE*
GAS GAS LINE	*GAS GAS LINE*
	(G) *GAS APPROX.*
CATV CABLE TV	*CATV CABLE TV*
UGTV UNDERGROUND CABLE TV	*OHTV UNDERGROUND CABLE TV*
UGTV OVERHEAD CABLE TV	*OHTV OVERHEAD CABLE TV*
STM STEAM LINE	*STM STEAM LINE*
LPS LOW PRESSURE STEAM	*LPS LOW PRESSURE STEAM*
HPS HIGH PRESSURE STEAM	*HPS HIGH PRESSURE STEAM*
HW HOT WATER	*HW HOT WATER*
CW CHILLED WATER	*CW CHILLED WATER*

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REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
LEGEND AND NOTES

PROJECT NO: 23350 | DATE: 3/31/25

SHEET NUMBER:
C0.1

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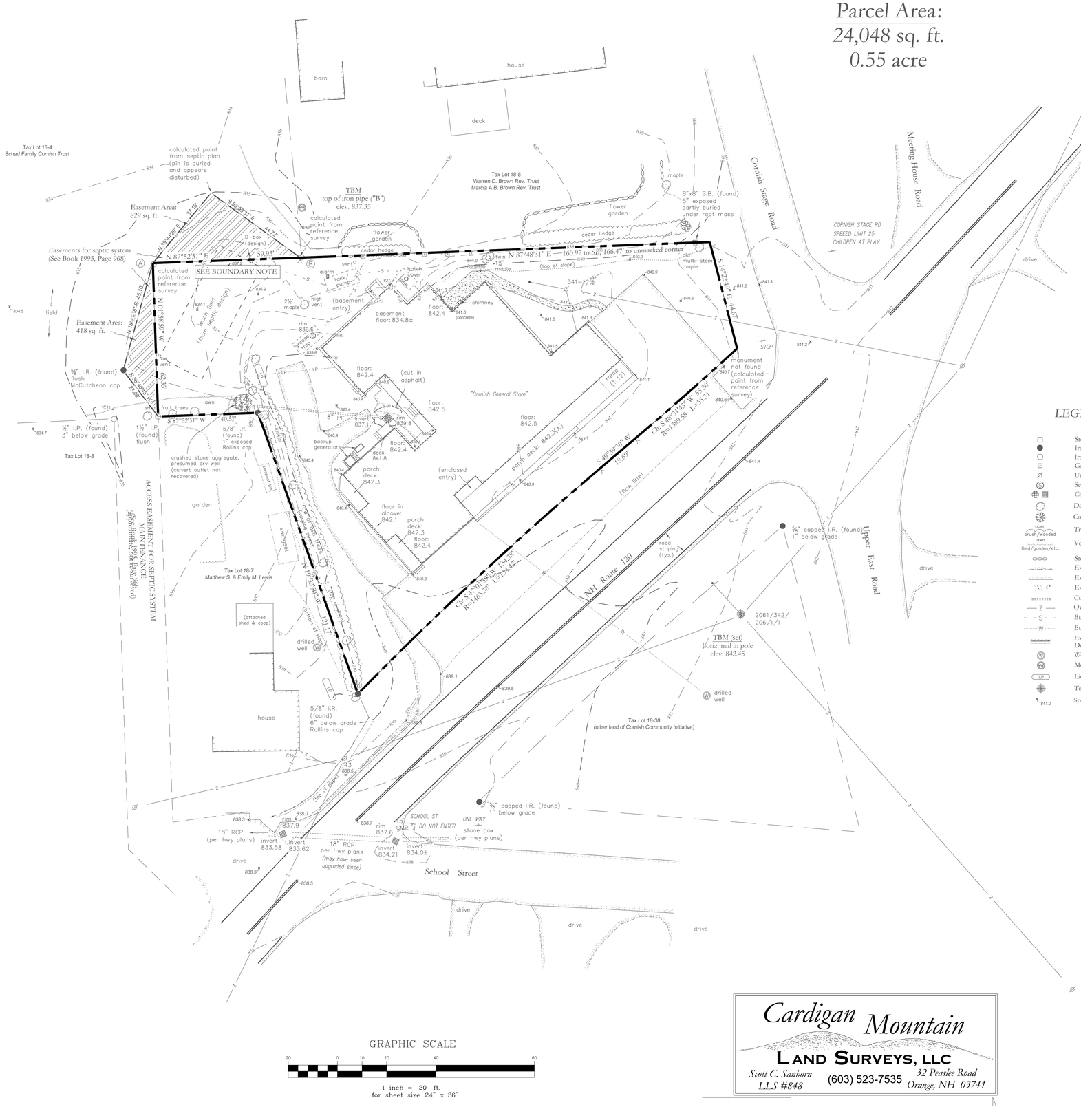
Parcel Area:
24,048 sq. ft.
0.55 acre



LEGEND

- Stone Bound
- Iron Rod or Pin (I.R.)
- Iron Pipe (I.P. , inside dia. noted)
- Granite Fence Post
- Utility Pole
- Sewer Manhole
- Catch Basin
- Deciduous Tree
- Coniferous Tree
- Tree/Brush Line
- Vegetation Line
- Stone Wall
- Existing Gravel Surface
- Existing Asphalt Surface
- Existing Concrete Surface
- Culvert
- Overhead Utility Line
- Buried Sewer Line (NOT VERIFIED)
- Buried Water Line (NOT VERIFIED)
- Exterior Building Wall
- Drip Edge (impervious area)
- Well
- Monitoring Well
- Liquid Propane Tank
- Temporary Benchmark
- Spot Elevation

General Notes

1. This drawing represents site conditions as of 17 April 2024. Diligent effort has been made to map observable utility structures and pertinent site features; however additional structures or site features that this office is unaware of may exist, and no guarantee is expressed or implied against additional features that may impact future site design, construction and/or alteration, and it is the responsibility of the end user to confirm and verify such information as pertinent to the activity. No responsibility shall be accepted for site alterations made subsequent to the publication of this drawing unless so noted with an applicable revision date.
2. Buried utilities are shown from observed structures and existing plans, and have not been independently verified, except to the extent as may be done so from observed structures. Rim and invert elevations, and other listed elevations where shown, are from on-site survey/direct measurement.
3. Property boundaries are primarily re-established from the noted "Reference Survey" plan, with additional records review made for confirmation and verification of the boundaries shown thereon. This survey meets the standards for a Standard Property Survey (urban/suburban) in the *NH Code of Administrative Rules Lan 500.*
4. Road right-of-ways are shown based on existing found survey monumnts and the Reference Survey, which are generally consistent with *NHDOT* record drawings.
5. No easements of record burdening the premises are noted in the subject deed to the premises, however the possibility of unknown easement (written or unwritten) still exists.
6. The premises benefit from the easements described in Book 1995, Page 968, generally for the purpose of septic system installation and upkeep. Reference is made to said deed for details.
7. The property is not shown in a flood hazard zone on *FEMA Flood Insurance Rate Maps.*
8. No apparent jurisdictional wetlands were observed on the premises.

Boundary Note

Analysis of the reference survey and septic system design/as-built plans indicate that the two iron pipes noted as *A* and *B* are not in their original positions. The said surveys are in agreement with each other to within *<0.05'* as to the pipe locations, and this current *(CMLS)* survey is in similar agreement with all other corner monuments found except those two. It is presumed that they were disturbed during septic system construction *(perhaps pulled for excavation and reset based on imprecise measurements?).* The former locations as well documented by the past surveys have been held to determine the affected boundary lines.

Monument details:

A: 1½" I.P. (found) flush, S38°21'09"E 0.56' from previously documented location

B: 2" I.P. (found) 5" exposed, N61°19'03"E 0.54' from previously documented location

Reference Plans

A. (Reference Survey): "Lot Line Adjustment Plan, Cornish General Store" dated Aug. 25, 2006 by Rollins Land Survey, recorded in Plantfile 4, Pocket 10, Folder 5 as #35 at Sullivan County Registry.

B. (Septic System Design/As-Built Plans): "Effluent Disposal System Design For Colleen M. Salinger d/b/a Cornish Flat Enterprises, LLC" dated August 25, 2017 by Wayne McCutcheon. *NHDES Approval # CA20170210001*

C. *NHDOT Project NRS 252-A, Conn. Valley Road, 1933.*

(additional plans reviewed, not listed)

Note: Bearings on drawing referenced to *NH* State Plane Grid North (as determined from GPS observation)

Horizontal Datum
NH State Plan Coordinate System (NAD83)

Topography:
Instrument Determined, On Site:
4/1 - 4/17/2024
Contour Interval: 1'
Datum: NGVD88

Reference Benchmark:
NGS K 49 X, Lebanon

Cardigan Mountain
LAND SURVEYS, LLC
Scott C. Sanborn
LLS #848
(603) 523-7535
32 Peaslee Road
Orange, NH 03741

CAD WORKSHEET

Boundary and Existing Conditions Site Plan
For:
Engineering Ventures, PC
Of:
Cornish Flat Enterprises, LLC Property
Cornish Community Initiative
Cornish General Store Site
226 Route 120 Cornish, NH
Tax Lot: Map 18, Lot 6 Deed: Book 1982, Page 269

18 April 2024

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ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
EXISTING CONDITIONS PLAN

PROJECT NO: 23350 | DATE: 3/31/25

SHEET NUMBER:
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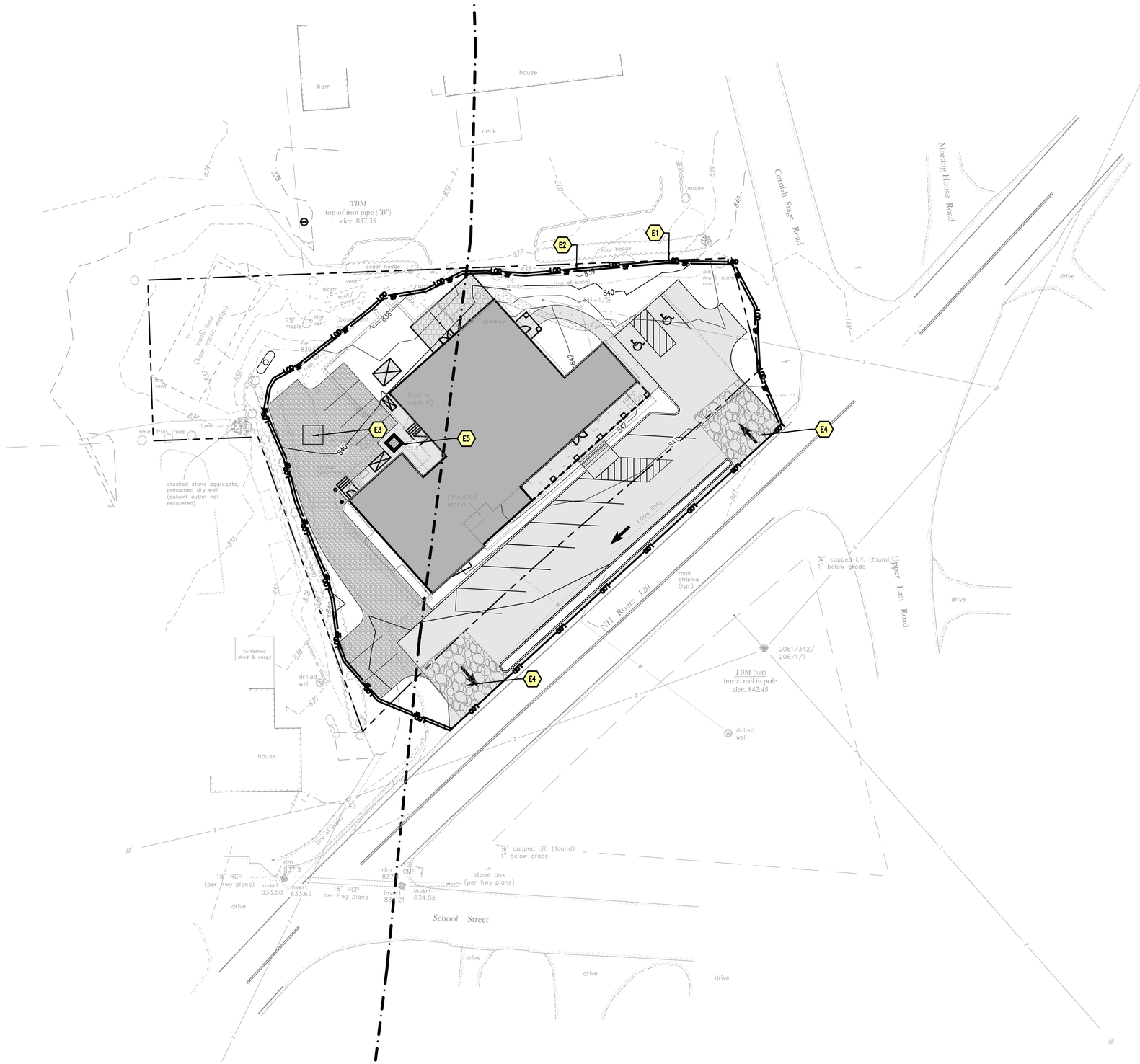

EROSION CONTROL LEGEND

EROSION PREVENTION AND SEDIMENT CONTROL STRATEGY
THE FOLLOWING TECHNIQUES WILL BE UTILIZED AS PART OF A SEDIMENT AND EROSION CONTROL PROGRAM. THE SEDIMENT AND EROSION CONTROL PROGRAM WILL BE IMPLEMENTED IN STAGES. CERTAIN ITEMS FROM ONE STAGE WILL LIKELY OVERLAP OR TAKE PLACE CONCURRENTLY WITH ITEMS FROM OTHER STAGES. HAY PRODUCTS SHALL NOT BE USED.

TEMPORARY INLET PROTECTION – STONE COLLARS AND/OR INLET SOCKS. INSTALL AS INDICATED ON PLANS. STONE TO BE REMOVED AND REPLACED WITH CLEAN STONE WHEN SEDIMENT IS ≤ 1/2 DEPTH OF STONE. REMOVE ALL SEDIMENT COLLECTED IN STRUCTURE OR SOCK AS SOON AS POSSIBLE.

STONE CHECK DAM
THIS STRUCTURAL MEASURE IS ALONG DITCHES/ SWALES AND IN OTHER LOCATIONS INDICATED ON THIS PLAN TO SLOW STORMWATER RUNOFF AND TRAP SEDIMENT PARTICLES. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.

PERMANENT EROSION CONTROL NETTING:
THIS STRUCTURAL MEASURE IS INSTALLED IN AREAS THAT HAVE SLOPES 3:1 AND GREATER AND IN OTHER LOCATIONS INDICATED ON THIS PLAN TO STABILIZE THE SLOPE AND REDUCE THE EROSION POTENTIAL. THE NETTING IS TYPICALLY IMPREGNATED WITH GRASS SEED AND SOMETIMES STAPLED TO THE EXPOSED SOIL. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
THIS STRUCTURAL MEASURE IS A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA. THE PURPOSE OF A STABILIZED CONSTRUCTION ENTRANCE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY OR STREETS. THIS WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. ONCE REMOVED, THE IMPACTED AREA SHALL BE SEEDED AND MULCHED.

TEMPORARY SEDIMENT BASIN
THIS STRUCTURAL MEASURE INVOLVES CONSTRUCTING TEMPORARY SEDIMENT BASINS IN THE LOCATION OF PROPOSED STORMWATER PONDS. GENERALLY THE STORMWATER PONDS CAN BE CONSTRUCTED AS SHOWN ON THE PLANS HOWEVER ORIFICE ON THE OUTLET STRUCTURES SHALL BE OMITTED UNTIL THE SITE IS STABILIZED TO IMPOUND RUNOFF AND ALLOW FOR SETTLING OF SUSPENDED FINES. THIS WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. ONCE THE SITE IS STABILIZED, SEDIMENT SHALL BE REMOVED FROM THE BASINS AND THE OUTLET ORIFICE SHALL BE DRILLED INTO THE OUTLET STRUCTURE AS NOTED ON THE PLANS.

TEMPORARY STAGING AND WASTE AREAS (APPROXIMATE)
THESE ARE APPROVED LOCATIONS WHERE NON-SOIL, NON-ERODIBLE MATERIALS MAY BE STORED. SOILS SHALL NOT BE STORED IN THESE AREAS.

TEMPORARY SOIL STOCKPILE AREAS (APPROXIMATE)
THESE ARE APPROVED LOCATIONS WHERE TOPSOIL AND OTHER SOIL MATERIALS MAY BE STORED. THESE STOCKPILES WILL BE PROTECTED FROM EROSION BY A NUMBER OF METHODS, INCLUDING INSTALLING SILT FENCING AROUND THE DOWN GRADIENT PERIMETER OF THE STOCKPILE AND SEEDING AND MULCHING THE STOCKPILE WHEN NOT IN USE FOR MORE THAN FIVE DAYS.

TEMPORARY SILT FENCING
THIS STRUCTURAL MEASURE IS A TEMPORARY BARRIER OF GEOTEXTILE FABRIC USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL. IT IS INSTALLED ALONG THE PERIMETER OF IMPACTED AREAS AND ALONG THE BASE OF THE FILL SLOPES. ADDITIONALLY, WHEN DESIGNATED ALONG THE LIMITS OF DISTURBANCE, INSTALL CONSTRUCTION FENCE BEHIND THE SILT FENCE. SILT FENCING IS EFFECTIVE IN REDUCING STORMWATER RUNOFF VELOCITIES, ASSIST IN THE DEPOSITION OF TRANSPORTED SEDIMENT LOAD AND PREVENT EROSION OF SOILS ONTO ADJACENT AREAS. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.

LIMITS OF DISTURBANCE
THE CONTRACTOR SHALL CONTAIN ANY EARTH MOVING ACTIVITIES WITHIN THE DESIGNATED LIMITS SHOWN ON THIS PLAN. THE ENGINEER SHALL REVIEW THE SITE TO MAKE ANY ADJUSTMENTS TO ACCOUNT FOR ENVIRONMENTALLY SENSITIVE AREAS, SPECIMEN TREES AND SPECIAL AREAS OF CONCERN.

CONSTRUCTION SEQUENCE

1. CONTRACTOR TO COORDINATE STOCKPILE AND STAGING AREAS WITH THE OWNER.
2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL HOST A PRECONSTRUCTION MEETING WITH OWNER, ENGINEER, PLANNING DEPARTMENT, POLICE, FIRE, AND PUBLIC WORKS STAFF.
3. PRIOR TO ANY OTHER WORK, SILT FENCES SHALL BE INSTALLED GENERALLY 10 FEET FROM THE BASE OF THE FILL SLOPES, OR AS SHOWN ON THE EROSION CONTROL PLAN. THESE SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN STABILIZED. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES 6 INCHES DEEP AT THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A PROPER SEDIMENT BARRIER.
4. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT.
5. INSTALL INLET PROTECTION ON EXISTING CATCH BASINS AFFECTED DURING CONSTRUCTION.
6. ROUGH GRADE AND STOCKPILE TOPSOIL SURROUNDED BY SILT FENCE.
7. DEMO EXISTING STRUCTURES AS REQUIRED.
8. CLEAR AND GRUB, REMOVE LOOSE PAVING/DEMO PAVING AS REQUIRED AND HAUL OFF SITE USING EXISTING PARKING AREA AS STAGING.
9. BACKFILL AND SUBGRADE PREP FOR NEW PARKING AND SIDEWALK AREAS
10. COMPLETE FINAL GRADING OF SITE. PLACE TOPSOIL AND PERMANENTLY VEGETATE, LANDSCAPE, AND MULCH.
11. PAVE BASE COURSE.
12. STABILIZE EXPOSED SLOPES AND SOILS AS SOON AS GRADED, REPAIR AND REESTABLISH ALL DISTURBED VEGETATED/LAWN AREAS, AND MAINTAIN UNTIL ADEQUATELY VEGETATED.
13. PAVE WEARING COURSE.
14. AFTER THE SITE IS APPROVED BY THE ENGINEER AS ADEQUATELY STABILIZED, REMOVE ALL TEMPORARY.
15. ANTICIPATED DURATION OF CONSTRUCTION: 15 MONTHS

STORMWATER POLUTION PREVENTION NOTES

- E1 LIMIT OF DISTURBANCE
- E2 SILT FENCE (TYP.)
- E3 CONCRETE WASHOUT
- E4 STABILIZED CONSTRUCTION ENTRANCE
- E5 INLET PROTECTION

GRAPHIC SCALE
20 0 10 20 40 80
1 inch = 20 ft.
for sheet size 24" x 36"

N

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REVISION	DATE	COMMENTS
1	6/9/2025	CONST. SEQUENCE REV.

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
EPSC PLAN

PROJECT NO: 23350 | DATE: 3/31/25

SHEET NUMBER:
C1.1

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SITE NOTES

- C1 CONCRETE SIDEWALK
- C2 CONCRETE PAVERS PATIO, GRADE AT 2% OR LESS AWAY FROM EXTERIOR WALL
- C3 VERTICAL GRANITE CURB
- C4 ASPHALT PARKING/DRIVEWAY SURFACES
- C5 FRONT STEPS
- C6 ADA VAN ACCESSIBLE PARKING SPACES (2)
- C7 LANDSCAPE AREA (TYP.)
- C8 SNOW STORAGE AREA
- C9 BOLLARD, DECORATIVE COVER TO BE APPROVED BY OWNER (TYP.)
- C10 GRAVEL
- C11 HVAC UNIT, CONFIRM SIZE WITH MEP
- C12 SLOPED GRANITE CURB
- C13 WHITE ALKYD ENAMEL TRAFFIC DIRECTION ARROW PAINTED ON ASPHALT (TYP.)

SEWER SCHEDULE

- S1 EXTEND AND RECONNECT SEWER LINE
- S2 GREASE INTERCEPTOR TO BE MAINTAINED.

DEMO NOTES

- X1 REAR BUILDING ADDITION TO BE REMOVED AND FILLED IN WITH COMPACTABLE FILL, TOPSOIL, MULCH AND GRASS SEED. GRADES AT EXISTING BUILDING PERIMETER TO BE MAINTAINED. FILLED IN AREA TO BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM EXTERIOR BUILDING WALL. (REFER TO ARCHITECTURAL PLANS FOR DEMOLITION SCOPE)
- X2 EXISTING ROW OF TREES TO BE REMOVED TO PROPERTY BOUNDARY

ELECTRICAL NOTES

- E1 OVERHEAD POWER TO BE MAINTAINED

GAS NOTES

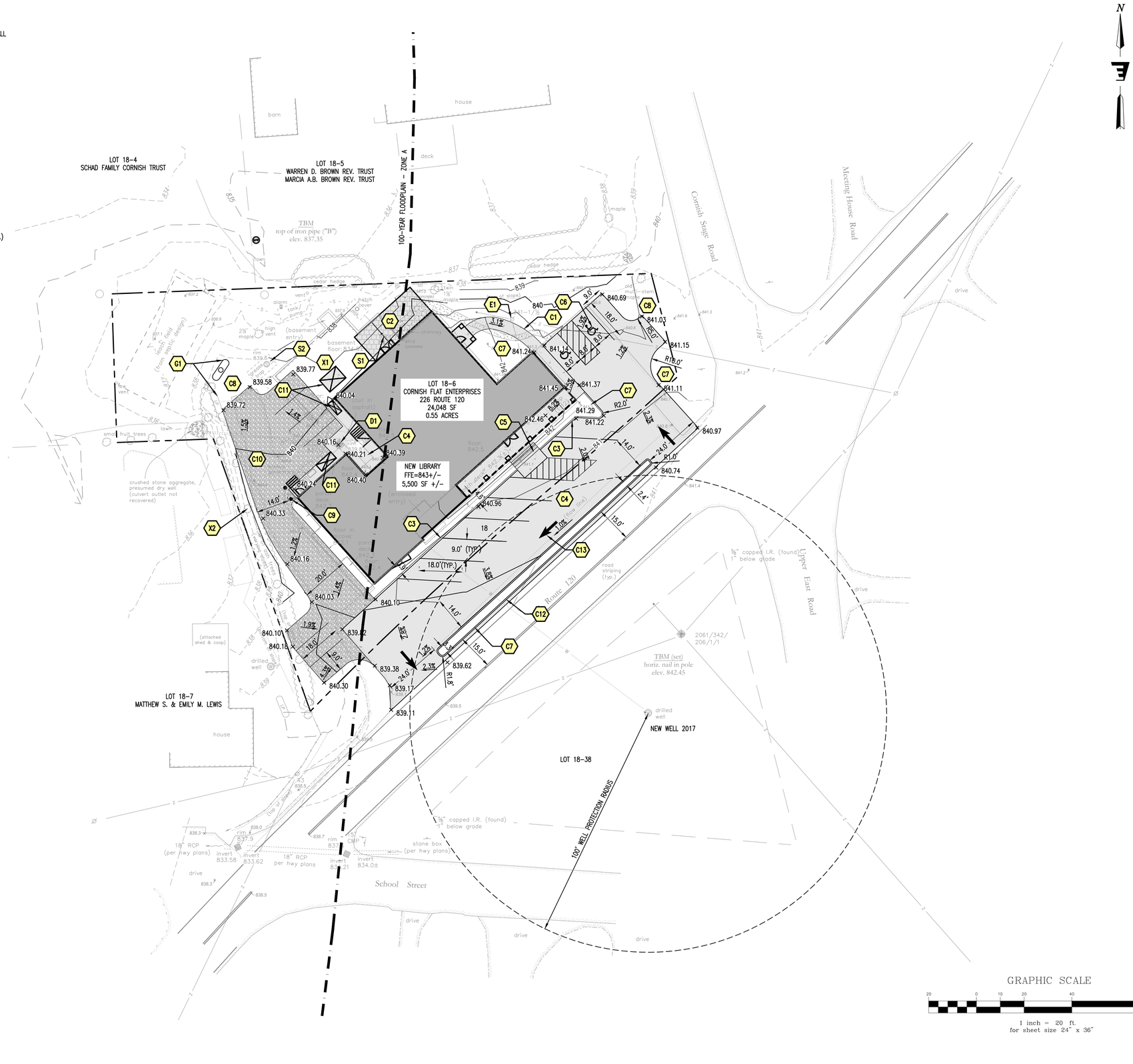
- G1 RELOCATE PROPANE

DRAINAGE NOTES

- D1 RAISE CATCH BASIN GRATE TO FINISHED GRADE.

PARKING CALCULATIONS	
REQUIRED	PROVIDED
4,400 SF LIBRARY / (9 X18)SF = 27 SPACES + 45 SEATS / 4 (SPACES/SEAT) = 11 SPACES = .38 TOTAL SPACES	18 SPACES

FLOOD NOTES:
1. BUILDING HAS BEEN REMOVED FROM THE FLOODPLAIN. SEE FEMA LETTER OF MAP AMENDMENT NO. 07-01-0640A.
2. LOWEST ADJACENT GRADE AT EXISTING BUILDING = 837.9.
3. PROPANE TANK TO BE PLACED ABOVE LOWEST ADJACENT GRADE OR IT SHALL BE ADEQUATELY ANCHORED TO RESIST BUOYANCY. ANCHORAGE REQUIREMENTS AND DESIGN SHALL BE PROVIDED BY THE PROPANE COMPANY.



GRAPHIC SCALE

20 0 10 20 40 80

1 inch = 20 ft.
for sheet size 24" x 36"

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REVISION	DATE	COMMENTS
1	11/25/2024	NHDOT COMMENTS
2	3/25/2025	REV. GRADES
3	5/2/2025	SNOW STORAGE
4	6/27/2025	ADDED TREE REMOVAL
5	8/7/2025	FLOOD ZONE/PARKING

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
SITE PLAN

PROJECT NO: 23350 | DATE: 3/31/25

SHEET NUMBER:
C2.0

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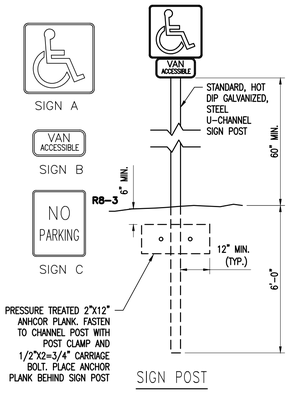
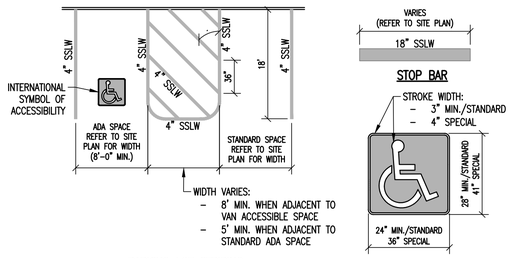


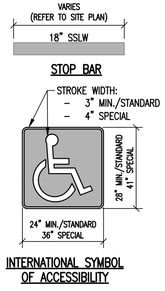
SIGN KEY:			
SIGN	MUTCD DESIGNATIONS	COMMON NAME	SIZE
A	D9-6	HANDICAPPED	24" x 24"
B	D9-6P	VAN ACCESSIBLE (PLAQUE)	18" x 9"
C	R8-3	NO PARKING	18" x 24"

ADA SIGNS AND POST

NOT TO SCALE 1



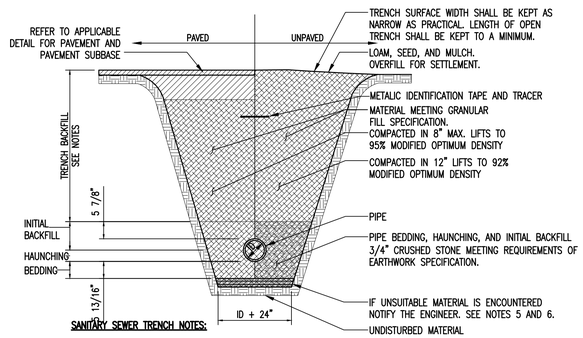
PARKING LOT STRIPING



INTERNATIONAL SYMBOL OF ACCESSIBILITY

ADA PAVEMENT MARKINGS

NOT TO SCALE 2

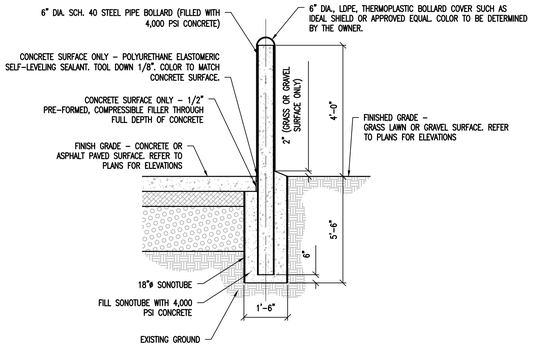


SANITARY SEWER TRENCH NOTES:

1. UNLESS OTHERWISE NOTED, ASSUME CLASS "C" SOILS. PERFORM ALL EXCAVATIONS TO OSHA REQUIREMENTS.
2. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR FULL LENGTH OF PIPE.
3. FOR BUILDING SEWERS THE MINIMUM DEPTH TO THE TOP OF THE PIPE SHALL BE 4'-0". WHERE BUILDING SEWERS ARE TO BE INSTALLED AT A DEPTH LESS THAN 3'-0" UNDER DRIVEWAYS, EXTRA HEAVY CAST IRON OR OTHER HIGH STRENGTH PIPE SHALL BE USED. OTHERWISE, REFER TO INSULATION OVER SHALLOW SEWER LINE DETAIL.
4. FOR SEWER COLLECTION SYSTEMS THE MINIMUM DEPTH TO THE TOP OF THE PIPE SHALL BE 5'-0". THIS DEPTH SHALL BE INCREASED TO 6'-0" IN AREAS TO BE PLOWED DURING THE WINTER MONTHS. OTHERWISE, REFER TO INSULATION OVER SHALLOW SEWER LINE DETAIL.
5. BACKFILL SHALL BE OF A SUITABLE NATIVE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. DEBRIS, FROZEN MATERIAL, LARGE CLODS OR STONES, ORGANIC MATTER OR OTHER UNSTABLE MATERIAL SHALL NOT BE USED FOR BACKFILL.
6. LEDGE, ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF FOUR INCHES BELOW AND ON EACH SIDE OF ALL PIPES.
7. SEWERS ON 20 PERCENT SLOPES OR GREATER SHALL BE ANCHORED SECURELY WITH CONCRETE ANCHORS OR EQUIVALENT, SPACED AS FOLLOWS:
   A. NOT OVER 36 FEET CENTER TO CENTER ON GRADES 20 PERCENT AND UP TO 35 PERCENT
   B. NOT OVER 24 FEET CENTER TO CENTER ON GRADES 35 PERCENT AND UP TO 50 PERCENT
   C. NOT OVER 16 FEET CENTER TO CENTER ON GRADES 50 PERCENT AND OVER

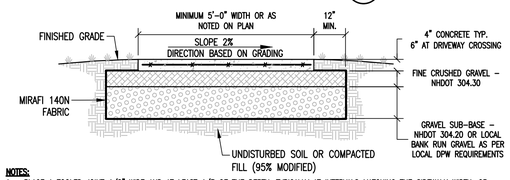
SANITARY SEWER TRENCH

NOT TO SCALE 3



TYPICAL BOLLARD DETAIL

NOT TO SCALE 4

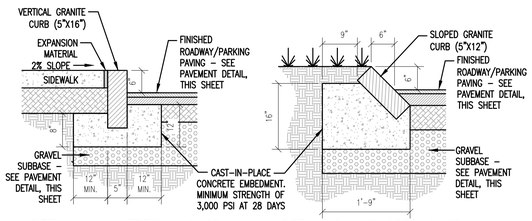


NOTES:

1. PLACE A TOOLED JOINT 1/8" WIDE AND AT LEAST 1/3 OF THE DEPTH, TYPICALLY AT INTERVALS MATCHING THE SIDEWALK WIDTH, OR AS NOTED ON PLANS (NOT TO EXCEED 10'-0").
2. PLACE EXPANSION JOINT AS INDICATED ON PLANS, NOT TO EXCEED 20'-0" MAX.
3. BROOM FINISH WITH SMOOTH TROWELED EDGES. TREAT WITH SILANE–SILOXANE OR EQUAL.
4. CAST-IN-PLACE CONCRETE TO BE 4000 psi CONCRETE, 5%–7% AIR ENTRAINMENT WITH 6x6–W4.0xW4.0 REINFORCING CENTERED IN SIDEWALK.
5. WHERE SIDEWALK IS ADJACENT TO ENTRY/EXIT DOOR PADS WITH FROST WALL FOUNDATIONS, SIDEWALK SHALL BE DOWELED TO PAD WITH 24" LONG ∯4 DOWELS (CENTERED) AT 1'–6" oc (PORTION OF DOWEL IN SIDEWALK TO BE GREASED).
6. WHERE SIDEWALK IS ADJACENT TO CURB, BOLLARD OR OTHER HARD FEATURE, INSTALL 1/2" EXPANSION MATERIAL (FULL DEPTH OF SIDEWALK), BETWEEN FEATURE AND SIDEWALK.

CONCRETE SIDEWALK

NOT TO SCALE 5



VERTICAL GRANITE CURB NOTES:

1. GRANITE CURBS SHALL BE INSTALLED IN ACCORDANCE WITH PROJECT AND STATE SPECIFICATIONS.
2. WHERE CURB IS ADJACENT TO ENTRY/EXIT DOOR PADS WITH FROST WALL FOUNDATIONS, CURB SHALL BE DOWELED TO PAD WITH 24" LONG ∯4 DOWELS (CENTERED) AT 1'–6"oc (PORTION OF DOWEL IN CURB TO BE GREASED).
3. WHERE CURB IS ADJACENT TO SIDEWALK, BOLLARD OR OTHER HARD FEATURE, BACKSIDE OF CURB SHALL BE SAW CUT. 1/4" EXPANSION MATERIAL (FULL DEPTH OF CURB), SHALL BE INSTALLED BETWEEN FEATURE AND CURB.

GRANITE CURB DETAILS

NOT TO SCALE 6

SITE/EARTHWORK SPECIFICATIONS

1. PRIOR TO THE START OF WORK, A PRE–CONSTRUCTION MEETING WILL BE HELD WITH THE CONTRACTOR, AND PROJECT ENGINEER TO REVIEW PROCEDURES, IDENTIFY RESPONSIBILITIES. UNLESS STATED OTHERWISE, ALL MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF NHDOT SPECIFICATIONS.
2. CLEARING AND GRUBBING– SITE TO BE RESTORED TO PRE–CONSTRUCTION CONDITIONS, INCLUDING DRIVEWAYS, STONE WALLS, AND GRASS AREAS. THE DRIVEWAY SUB–GRADE MATERIAL SHALL EXTEND ONE FOOT BEYOND THE EDGE OF PAVING.
3. COMPACTION OF ALL MATERIALS SHALL BE PERFORMED USING VIBRATORY ROLLERS AND WATER IN LIFTS OF NO GREATER THAN TWELVE INCHES. COMPACTION SHALL BE PERFORMED UNTIL THE REQUIRED DENSITY IS ACHIEVED. DENSITY SHALL BE DETERMINED BY ASTM D2922 AND SHALL NOT BE LESS THAN THE REQUIRED AMOUNT AS DETERMINED IN ACCORDANCE WITH ASTM D1557.
4. COMPACTION TESTING SHALL BE PERFORMED FOR EVERY LAYER OF MATERIAL PLACED AND FOR EVERY 1000 SQUARE FEET OF AREA.
5. PAVEMENT SHALL MEET THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS PUBLISHED BY VTRANS.
6. PAVEMENT SHALL NOT BE INSTALLED WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT, NOR WHEN THE ROAD BASE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT. PAVEMENT SHALL NOT FALL BELOW 185 DEGREES FAHRENHEIT PRIOR TO THE COMPLETION OF ROLLING. PAVEMENT SHALL NOT BE INSTALLED WHEN THE SUBGRADE IS FROZEN OR THE GRADES ARE INCORRECT.
7. ALL REMAINING DISTURBED AREAS SHALL BE FERTILIZED AND SEEDED IN ACCORDANCE WITH APPLICABLE STATE SPECIFICATIONS FOR EROSION CONTROL.
8. THE SEEDING OF 10% OR GREATER SLOPES SHALL REQUIRE THE USE OF EROSION CONTROL MATTING.
9. ALL EARTHWORK MATERIALS SHALL BE OBTAINED FROM APPROVED SOURCES. THEY SHALL CONSIST OF SATISFACTORILY GRADED, FREE DRAINING MATERIAL. REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIAL. EARTHWORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING TABLES:

A. SAND BLANKET/BEDDING: NHDOT 209–2.1.1

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
2 INCHES	100
1–1/2 INCHES	90 – 100
1/2 INCH	70 – 100
NO. 4	60 – 100
NO. 100	0 – 20
NO. 200	0 – 8

B. 3/4" CRUSHED STONE: ASTM C33–03, STONE SIZE ∯67

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
1 INCH	100
3/4 INCHES	90 – 100
3/8 INCH	20 – 55
NO. 4	0 – 10
NO. 8	0 – 5

C. 1–1/2" CRUSHED STONE: NHDOT 304..4

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
2 INCH	100
1–1/2 INCH	95 – 100
3/4 INCH	35 – 70
3/8 INCH	10 – 30
NO. 4	0 – 5

D. COARSE CRUSHED GRAVEL: NHDOT 304.2

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
4 INCHES	95 – 100
NO. 4	25 – 50
NO. 100	0 – 12
NO. 200	0 – 6

E. FINE CRUSHED GRAVEL: NHDOT 304.33

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
2 INCHES	100
1–1/2 INCHES	90 – 100
NO. 4	30 – 60
NO. 100	0 – 12
NO. 200	0 – 6

F. GRANULAR BACKFILL: NHDOT 209–2.1.2

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
3 INCHES	100
NO. 4	45 – 75
NO. 100	0 – 12
NO. 200	0 – 6

G. TYPE I STONE FOR STONE FILL THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM 1 INCH TO 12 INCHES, AND AT LEAST 50 PERCENT OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF FOUR INCHES.

H. TYPE II STONE FOR STONE FILL THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM TWO INCHES TO 36 INCHES, AND AT LEAST 50 PERCENT OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF 12 INCHES.

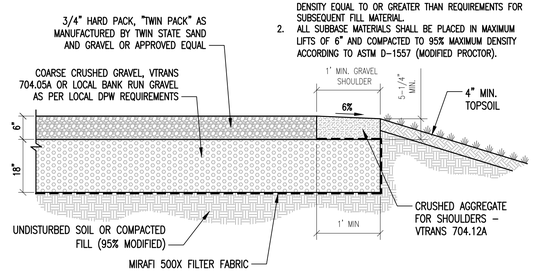
I. TOPSOIL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE SPECIFICALLY STATED IN THE CONTRACT DOCUMENTS:
   1. THE pH OF THE MATERIAL SHALL BE BETWEEN 5.5 AND 7.6.
   2. THE ORGANIC CONTENT SHALL BE NOT LESS THAN 2% NOR MORE THAN 20%.
   3. GRADATION:

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
2 INCHES	100
1 INCH	85 – 100
1/4 INCH	65 – 100
NO. 200	20 – 80

THE CONTRACTOR MAY AMEND NATURAL TOPSOIL WITH APPROVED MATERIALS AND BY APPROVED METHODS TO MEET THE ABOVE SPECIFICATIONS.

DRIVEWAY/PARKING AREA NOTES:

1. CUT OUT YIELDING SOFT AREAS OF NATIVE SUBGRADE. BACKFILL WITH GRANULAR BACKFILL AND COMPACT TO DENSITY EQUAL TO OR GREATER THAN REQUIREMENTS FOR SUBSEQUENT FILL MATERIAL.
2. ALL SUBBASE MATERIALS SHALL BE PLACED IN MAXIMUM LIFTS OF 6" AND COMPACTED TO 95% MAXIMUM DENSITY ACCORDING TO ASTM D–1557 (MODIFIED PROCTOR).



GRAVEL ROADWAY/PARKING DETAIL

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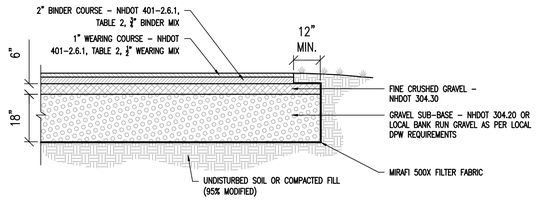

NOTES:

1. ALL SUBBASE MATERIALS SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM DENSITY ACCORDING TO ASTM D–1557 (MODIFIED PROCTOR).
2. ROAD/PARKING LOT PAVEMENT CROSS SECTION BASED ON NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ITEM 401, TABLE 2.

PAVEMENT DETAIL

NOT TO SCALE 8

banwell ARCHITECTS
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

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T: (603) 352-7007

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

REVISION	DATE	COMMENTS
1	11/1/2024	NHDOT COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

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PROJECT NO: 23350 | DATE: 3/31/25

SHEET NUMBER:
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EROSION CONTROL NOTES

GENERAL EROSION CONTROL NOTES

1. THE "ON-SITE EROSION CONTROL PLAN COORDINATOR" SHALL BE THE GENERAL CONTRACTOR, THIS INDIVIDUAL SHALL BE PRESENT ON-SITE FROM DAY-TO-DAY, AND SHALL BE RESPONSIBLE FOR ENSURING THAT THE EROSION CONTROL MEASURES REQUIRED BY THE EROSION CONTROL PLAN, DETAILS AND NOTES, ARE PROPERLY INSTALLED AND MAINTAINED. THE ONSITE EROSION CONTROL PLAN COORDINATOR SHALL KEEP A WRITTEN RECORD OF INSPECTIONS AND MAINTENANCE OF EROSION CONTROL FEATURES. A COPY OF THESE PLANS AND INSPECTION/MAINTENANCE RECORDS SHALL BE KEPT ONSITE AT ALL TIMES.
2. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE DISTURBED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS DISTURBED, THE DISTURBANCE SHALL BE KEPT TO THE SHORTEST PRACTICAL DURATION AS APPROVED BY THE OWNER'S REP.
3. DUST SHALL BE CONTROLLED WITH WATER DISTRIBUTED BY A TRUCK MOUNTED SPRAY BAR. CALCIUM CHLORIDE(AASHTO M 144) OR SODIUM CHLORIDE (AASHTO M 143) SHALL BE USED AS DIRECTED BY THE OWNER'S REP.
4. ALL EROSION AND STORMWATER CONTROL SYSTEMS SHALL BE INSPECTED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE OCCURRENCE OF A STORM EVENT OF 0.5" OR GREATER. NEEDED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED AS THEY ACCUMULATE AND PLACED IN AREAS WHERE FURTHER EROSION IS UNLIKELY.
5. A REPORT, STAMPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, SHALL BE WRITTEN WITHIN 24 HOURS OF EACH INSPECTION THAT:
   A) DESCRIBES THE PROGRESS OF THE PROJECT, INCLUDING WHETHER ALL CONDITIONS OF THE PERMIT ARE BEING MET AND, IF NOT, WHICH REQUIREMENTS ARE NOT BEING MET;
   B) IF ANY REQUIREMENTS ARE NOT BEING MET, AN EXPLANATION OF THE CORRECTIVE ACTION(S) THAT WILL BE OR ARE BEING TAKEN TO BRING THE PROJECT INTO COMPLIANCE WITH APPLICABLE REQUIREMENTS AND THE DEADLINE BY WHICH SUCH ACTIONS WILL BE COMPLETED; AND
   C) INCLUDES PHOTOGRAPHS OF THE SITE THAT ARE REPRESENTATIVE OF THE PROJECT; AND
6. RETAIN A COPY OF THE REPORT PREPARED PURSUANT TO (5), ABOVE, ON-SITE FOR REVIEW DURING SITE INSPECTIONS BY FEDERAL, STATE, AND LOCAL OFFICIALS
7. ALL PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.
8. DETENTION BASINS AND SWALES SHALL BE INSTALLED PRIOR TO ROUGH GRADING THEIR SITE.
9. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
10. ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
11. ALL CUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
12. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
   – BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
   – A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
   – A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
   – EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
13. LOT DISTURBANCE OTHER THAN THAT SHOWN ON THE APPROVED PLANS SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE.
14. THE APPLICANT SHALL NOTIFY IN WRITING DES WETLANDS BUREAU AND THE LEBANON CONSERVATION COMMISSION OF THEIR INTENTION TO COMMENCE CONSTRUCTION NO LESS THAN FIVE (5) BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
15. APPROPRIATE SILTATION/EROSION/TURBIDITY CONTROLS SHALL BE IN PLACE PRIOR TO CONSTRUCTION, SHALL BE MAINTAINED DURING CONSTRUCTION, AND REMAIN IN PLACE UNTIL THE AREA IS STABILIZED. SILT FENCE(S) MUST BE REMOVED ONCE THE AREA IS STABILIZED.
16. DISCHARGE FROM DEWATERING OF WORK AREAS SHALL BE TO SEDIMENT BASINS THAT ARE:
   A) LOCATED IN UPLANDS;
   B) LINED WITH HAY BALES OR OTHER ACCEPTABLE SEDIMENT TRAPPING LINERS;
   C) SET BACK AS FAR AS POSSIBLE FROM WETLANDS AND SURFACE WATERS, IN ALL CASES WITH A MINIMUM OF 20 FEET OF UNDISTURBED VEGETATED BUFFER.
17. WITHIN THREE DAYS OF FINAL GRADING, ALL EXPOSED SOIL AREAS SHALL BE STABILIZED BY SEEDING AND MULCHING DURING THE GROWING SEASON, OR IF NOT WITHIN THE GROWING SEASON, BY MULCHING WITH TACK OR NETTING AND PINNING ON SLOPES STEEPER THAN 3:1.
18. WHERE CONSTRUCTION ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED WITHIN THE GROWING SEASON, ALL EXPOSED SOIL AREAS SHALL BE STABILIZED WITHIN 14 DAYS BY SEEDING AND MULCHING.
19. WHERE CONSTRUCTION ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED OUTSIDE THE GROWING SEASON, ALL EXPOSED AREAS SHALL BE STABILIZED WITHIN 14 DAYS BY MULCHING AND TACK. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED BY MATTING AND PINNING.
20. PROPER HEADWALLS SHALL BE CONSTRUCTED WITHIN SEVEN DAYS OF CULVERT INSTALLATION.

EROSION CONTROL CONSTRUCTION SEQUENCE:

1. THE "ON-SITE EROSION CONTROL PLAN COORDINATOR" SHALL BE THE GENERAL CONTRACTOR, THIS INDIVIDUAL SHALL BE PRESENT ON SITE FROM DAY TO DAY, AND SHALL BE RESPONSIBLE FOR ENSURING THAT THE EROSION CONTROL MEASURES REQUIRED BY THE EROSION CONTROL PLAN, DETAILS AND NOTES, ARE PROPERLY INSTALLED AND MAINTAINED. THE ONSITE EROSION CONTROL PLAN COORDINATOR SHALL KEEP A WRITTEN RECORD OF INSPECTIONS AND MAINTENANCE OF EROSION CONTROL FEATURES. A COPY OF THESE PLANS AND INSPECTION/MAINTENANCE RECORDS SHALL BE KEPT ONSITE AT ALL TIMES.
2. HOLD PRE-CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION, WITH THE CONTRACTOR, OWNER, AND ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL EROSION CONTROL MEASURES DELINEATED ON THE PLANS AND ANY ADDITIONAL MEASURES THAT ARE NECESSARY TO MINIMIZE EROSION. THE CONTRACTOR SHALL HAVE EROSION CONTROL MATERIALS AND INSTALLATION EQUIPMENT ON SITE AT ALL TIMES.
3. IF POSSIBLE, ALL TEMPORARY EROSION CONTROL MEASURES REQUIRED FOR WORK PROPOSED DURING THE WINTER (BETWEEN OCTOBER 15 AND MAY 1), SHALL BE INSTALLED PRIOR TO OCTOBER 1.
4. PRIOR TO ANY OTHER WORK, SILT FENCES SHALL BE INSTALLED GENERALLY 10 FEET FROM THE BASE OF THE FILL SLOPES, OR AS SHOWN ON THE EROSION CONTROL PLAN. THESE SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN STABILIZED. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES 6 INCHES DEEP AT THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A PROPER SEDIMENT BARRIER.
5. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT.
6. INSTALL INLET PROTECTION ON EXISTING AND NEW CATCH BASINS.
7. ROUGH GRADE AND STOCKPILE TOPSOIL SURROUNDED BY SILT FENCE.
8. STABILIZE EXPOSED SLOPES AND SOILS AS SOON AS GRADED, AND MAINTAIN UNTIL ADEQUATELY VEGETATED.
9. COMPLETE FINAL GRADING OF SITE. PLACE TOPSOIL AND PERMANENTLY VEGETATE, LANDSCAPE, AND MULCH.
10. AFTER THE SITE IS APPROVED BY THE ENGINEER AS ADEQUATELY STABILIZED, REMOVE ALL TEMPORARY MEASURES AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.

TEMPORARY/CONSTRUCTION EROSION CONTROL MEASURES:

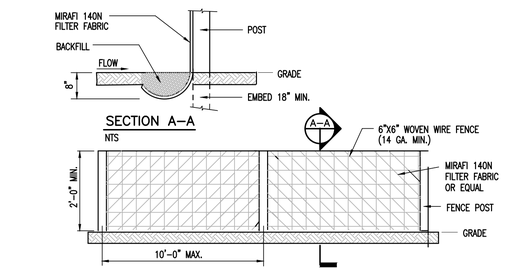
1. SILT FENCES SHALL BE INSTALLED GENERALLY 10 FEET FROM THE BASE OF THE FILL SLOPES, OR AS SHOWN ON THE PLANS. THESE SHALL REMAIN IN PLACE UNTIL THE PROJECT SITE HAS BEEN STABILIZED. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES 6 INCHES DEEP AT THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A PROPER SEDIMENT BARRIER.
2. INSTALL STONE CHECK DAMS IN GRASS-LINED SWALES 50 FEET ON CENTER TO PREVENT SILT FROM WASHING INTO THE DRAINAGE SYSTEM DURING CONSTRUCTION. SEDIMENT SHALL BE REMOVED FROM BEHIND THE DAMS WHEN IT BECOMES 6 INCHES DEEP. STONE CHECK DAMS SHALL BE REMOVED WHEN VEGETATION IS ESTABLISHED.
3. DROP INLET PROTECTION SHALL BE PROVIDED AROUND ALL EXISTING AND PROPOSED CATCH BASINS. PROTECTION SHALL REMAIN UNTIL ALL DISTURBED AREAS ARE STABILIZED. SEDIMENT SHALL BE REMOVED FROM DROP INLET PROTECTION WHEN THE STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. GRAVEL WILL BE CLEANED OR REPLACED WHEN IT NO LONGER DRAINS PROPERLY.
4. EXCAVATED MATERIAL FROM EARTH EXCAVATION AND DITCH DIGGING SHALL BE DISPOSED OF OFFSITE OR USED FOR PROJECT FILL MATERIAL IF DETERMINED SUITABLE BY THE OWNER'S REPRESENTAITVE.
5. STOCKPILED MATERIAL (TOPSOIL, BORROW, ETC.) SHALL HAVE SILT FENCE CONSTRUCTED AROUND THE PERIMETER. THE STOCKPILED MATERIAL SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE TO PREVENT SOIL EROSION AND SEDIMENTATION OFF SITE. LOCATE STOCKPILES ON THE UPHILL SIDE OF DISTURBED AREAS, IF POSSIBLE. DURING WINDY CONDITIONS, STOCKPILED MATERIAL SHALL BE COVERED OR WATERED APPROPRIATELY TO PREVENT WIND EROSION.

PERMANENT EROSION CONTROL MEASURES:

1. GRASS LINED SWALES SHALL BE TOP SOILED, SODDED AND FERTILIZED AREAS WHICH EXHIBIT SIGNS OF EROSION SHALL BE RE-SODDED IMMEDIATELY AND MAINTAINED UNTIL SOD HAS PERMANENT HOLD AND IS HEALTHY.
2. WHEN CONSTRUCTION IS COMPLETED IN AN AREA, IT SHALL BE IMMEDIATELY TOP SOILED, SEEDED, FERTILIZED AND MULCHED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF ALL DISTURBED AREAS, INCLUDING WATERING, UNTIL THE AREA IS INSPECTED AND ACCEPTED BY THE OWNER OR ENGINEER.
4. AFTER THE SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.
5. RE-SEEDING SHALL BE DONE UNTIL ALL AREAS ARE COMPLETELY COVERED WITH A MATURE STRAND OF GRASS. AN AREA SHALL BE CONSIDERED COVERED WHEN THE ENTIRE SURFACE CONTAINS A VERDUROUS STAND OF GRASS. AREAS THAT, IN THE OPINION OF THE ENGINEER, ARE PREDOMINATELY WEEDS SHALL BE PLOWED UP, FINE GRADED, FERTILIZED AND RE-SEEDED IN THE MANNER SPECIFIED PREVIOUSLY, EXERCISING CAUTION NOT TO CAUSE DAMAGE TO NEW OR EXISTING PLANT MATERIAL.

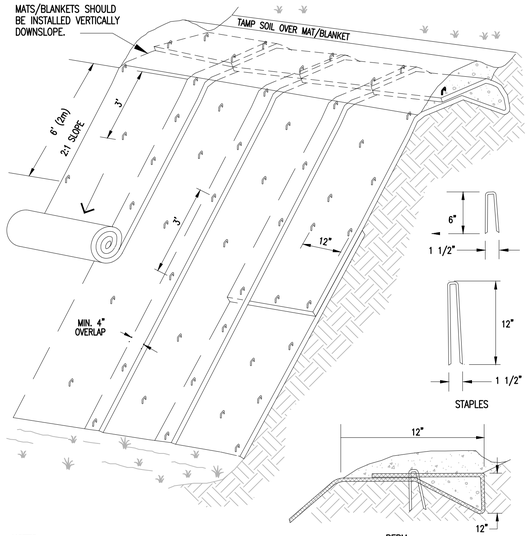
STANDARD WINTER NOTES:

1. ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.



NOTES:
1. SILT FENCE SHALL BE PRE-FABRICATED EROSION CONTROL FENCE BY MIRAFI OR EQUAL, OR CONSTRUCTED IN PLACE AS SPECIFIED HEREIN.
2. CONSTRUCTED IN PLACE SILT FENCE:
   A. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
   B. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE TIES SPACED EVERY 24" AT TOP OF MID SECTION.
   C. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6", FOLDED AND STAPLED.
3. INSPECTION SHALL BE FREQUENT (MINIMUM ONCE A WEEK AND AFTER EVERY RAINFALL). MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN SILT FENCE.

SILT FENCE DETAIL
NOT TO SCALE (1)



NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

EROSION CONTROL MATTING DETAIL
NOT TO SCALE (2)

SEEDING SPECIFICATION:

URBAN MIX GRASS SEED: FOR USE IN GRASSED LAWN AREAS AROUND BUILDING AND PARKING; TEMPORARY AND PERMANENT APPLICATIONS		
% BY WEIGHT	LBS. LIVE SEED BY ACRE	TYPE OF SEED
66.0	40.0	CREEPING RED FESCUE
33.0	20.0	KENTUCKY BLUEGRASS
100	60.0 // LIVE SEED// ACRE	
CONSERVATION MIX GRASS SEED– FOR USE IN ALL OTHER AREAS		
% BY WEIGHT	LBS. LIVE SEED PER ACRE	TYPE OF SEED
50	15.0	SMOOTH BROMEGRASS
17	5.0	RYEGRASS
33	10.0	BIRDSFOOT TREFOIL
100	30.0 // LIVE SEED/ACRE	

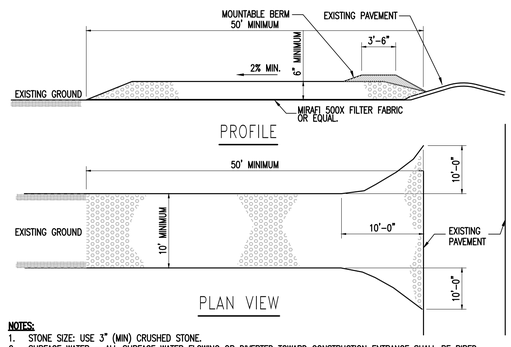
FERTILIZER– 10 LBS. PER 1000S.F.
SPRING SEEDING
FALL SEEDING

LIME– 90 LBS. PER 1000S.F.
DOLOMITIC GROUND LIMESTONE
NOT LESS THAN 85% OF THE TOTAL CARBONATE

TOP SOIL
4" MINIMUM APPROVED TOPSOIL

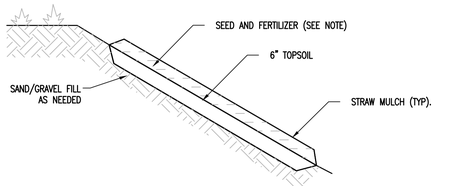
STRAW MULCH– 2 BALES PER 1000S.F.
APPLY BINDER OR NETTING AS NEEDED

SEED SEPCIFICATION
NOT TO SCALE (3)



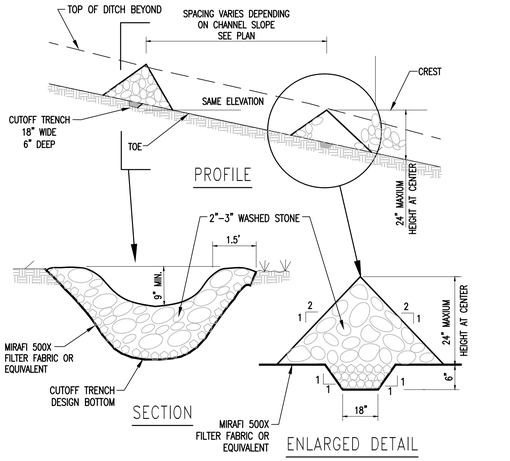
NOTES:
1. STONE SIZE: USE 3" (MIN) CRUSHED STONE.
2. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE.
3. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
4. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
5. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE (4)



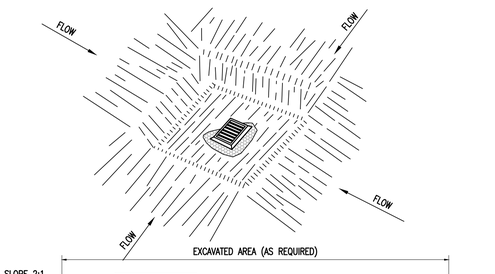
NOTES:
1. SEEDING AND MULCHING OF DISTURBED AREAS SHALL TAKE PLACE WITHIN 48 HOURS OF FINAL GRADING.
2. MULCH: STRAW MULCH SHALL BE UTILIZED AND SHALL BE APPLIED AT A RATE OF 90–1,000 LBS/1,000 SF. MULCH SHALL NOT BE PLACED ON SLOPES OF GREATER THAN 3:1. SEED IMPREGNATED EROSION CONTROL NETTING SHALL BE USED IN ITS PLACE.
3. SEED: SEEDING SHALL OCCUR AFTER APRIL 15 AND PRIOR TO SEPTEMBER 15TH IN ORDER TO ESTABLISH A STAND OF GRASS PRIOR TO GROUND FREEZING. SEED SHALL BE IN ACCORDANCE WITH SEED SPECIFICATION ON THIS SHEET.
4. COVER SEED WITH ¼ INCH SOIL UNLESS A HYDROSEEDER IS USED.
5. MULCH ANCHORING: SHALL BE ACCOMPLISHED BY DEGRADABLE MULCH NETTING. USE WHEN SLOPES ARE GREATER THAN 10%.
6. TOPSOIL AND MULCHING NOT TO BE APPLIED IN AREAS OF TRAVEL WAYS.

SEEDED AND MULCHED AREAS DETAIL
NOT TO SCALE (5)



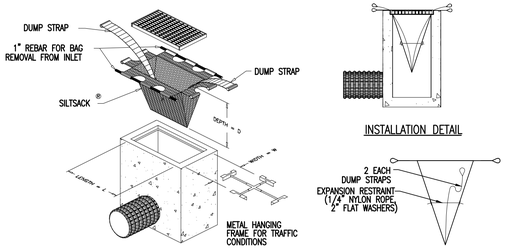
NOTES:
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN PLANS.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.
6. REMOVE ACCUMULATED SEDIMENT BEHIND CHECK DAM WHEN 1/2 THE HEIGHT OF THE DAM. REPLACE STONES AS NECESSARY.

STONE CHECK DAM DETAIL
NOT TO SCALE (6)



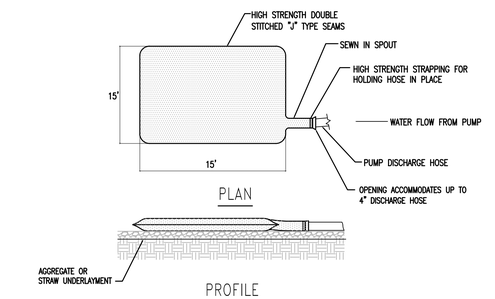
NOTES:
1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

INLET PROTECTION DETAIL
NOT TO SCALE (7)



NOTES:
1. INLET PROTECTION SHALL BE HI-FLOW SILT SACK BY APC ENVIRONMENTAL
2. UTILIZE METAL HANGING FRAME IN TRAFFIC AREAS.
3. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION, CLEANING AND REMOVAL.

INLET PROTECTION – EXISTING STRUCTURE
NOT TO SCALE (8)



NOTES:
1. DEWATERING PUMP SEDIMENT CONTROL SYSTEMS SHALL BE UTILIZED ON THE DISCHARGE OF ALL PROJECT DEWATERING PUMPS.
2. THE PUMPED SEDIMENT CONTROL DEVICE SHALL BE A HEAVY DUTY "DIRT BAG" SERIES 55 OR APPROVED EQUAL. LIFTING STRAPS SHALL BE INCLUDED WITH THE PUMPED SEDIMENT CONTROL DEVICE FOR REMOVAL WHEN FULL.
3. THE PUMPED SEDIMENT CONTROL DEVICE SHALL BE PLACED SO THAT THE FILTERED DISCHARGE WILL NOT CAUSE EROSION OR FLOODING IN THE DOWN GRADIENT AREAS.
4. HEAVY EQUIPMENT ACCESS TO THE THE PUMPED SEDIMENT CONTROL DEVICE SITE SHALL BE MAINTAINED FOR REPLACEMENT AND DISPOSAL.

DEWATERTING PUMP SEDIMENT CONTORL SYSTEM
NOT TO SCALE (9)

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REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

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ISSUED:
CONSTRUCTION DOCUMENTS

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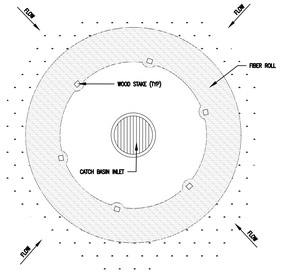
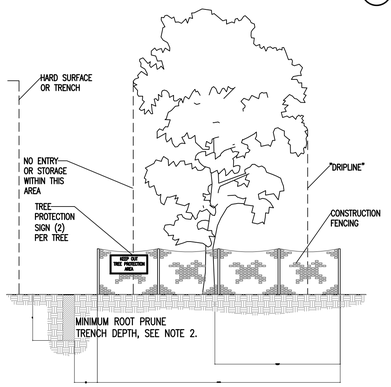


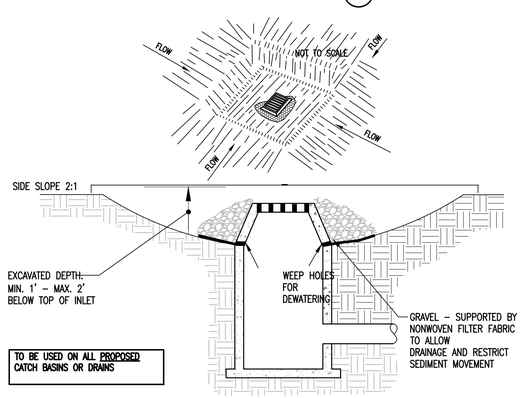
FIBER ROLL INLET PROTECTION DETAIL 1



TREE PROTECTION NOTES:

1. TO CALCULATE THE CRITICAL ROOT RADIUS, ESTIMATE THE TREE'S HEIGHT AND MULTIPLE BY 40 PERCENT (0.40). THE RESULT IS THE APPROXIMATE DISTANCE FROM THE TREE TRUNK TO THE EDGE OF THE CONSTRUCTION FENCING.
2. FENCE SPECIMEN TREES AND GROUPS OF TREES. WHERE ROOF LOSS WILL OCCUR, ROOT PRUNE ONE FOOT BEYOND THE CONSTRUCTION FENCE USING A VIBRATING KNIFE OR NARROW TRENCHER – ALWAYS WITH SHARP BLADES TO MAKE CLEAN CUTS. BACKFILL IMMEDIATELY AND COVER WITH 3 INCHES OF MULCH.
3. INSTALL SILT FENCE ON THE INTERIOR OF THE CONSTRUCTION FENCING TO KEEP SOIL FROM DISTURBED AREAS OUT OF THE ROOT ZONES OF TREES TO BE SAVED.
4. FERTILIZE, WATER, AERATE AND OTHERWISE AID TREE HEALTH.
5. COORDINATE THE FINAL LOCATION OF THE CONSTRUCTION FENCING AND ROOT PRUNING WITH THE OWNER.

TREE PROTECTION DETAIL 2

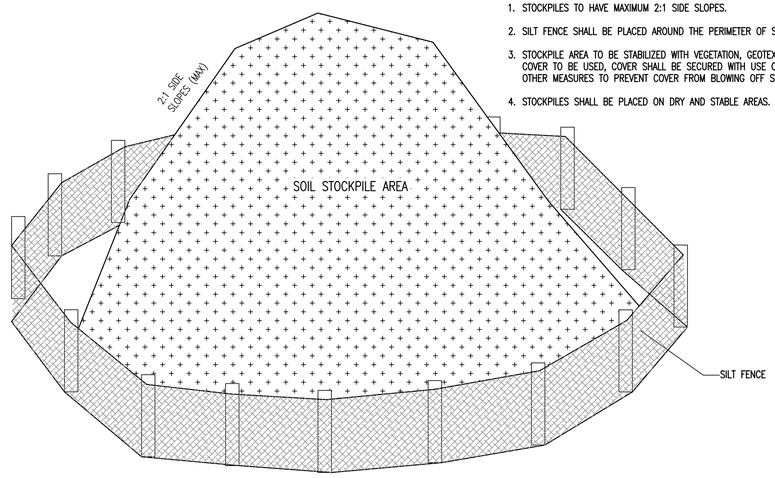


CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.
5. GRAVEL BAGS, GRATE GUARDS, FILTREXX OR SEDIGUARD INLET PROTECTION DEVICES MAY BE USED. SUBMIT PRODUCT INFORMATION TO ENGINEER FOR REVIEW PRIOR TO USE. INSTALL PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE LATEST EDITION OF THE VT EPSC STANDARDS AND SPECIFICATIONS.

EXCAVATED STORM DRAIN INLET PROTECTION DETAIL 3

NOT TO SCALE

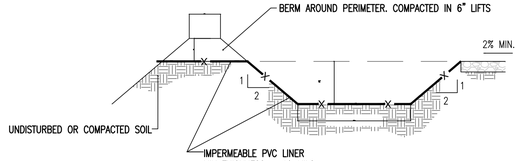


STOCKPILE NOTES

1. STOCKPILES TO HAVE MAXIMUM 2:1 SIDE SLOPES.
2. SILT FENCE SHALL BE PLACED AROUND THE PERIMETER OF STOCKPILE AREA.
3. STOCKPILE AREA TO BE STABILIZED WITH VEGETATION, GEOTEXTILE, OR COVER. IF COVER TO BE USED, COVER SHALL BE SECURED WITH USE OF SAND BAGS OR OTHER MEASURES TO PREVENT COVER FROM BLOWING OFF STOCKPILE.
4. STOCKPILES SHALL BE PLACED ON DRY AND STABLE AREAS.

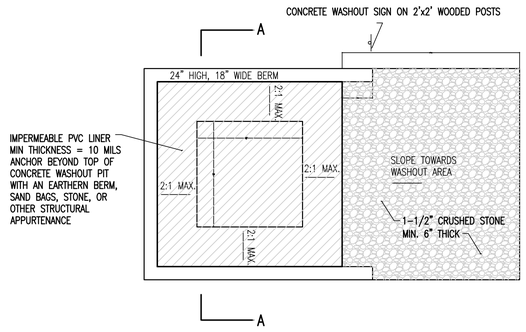
TEMPORARY SOIL STOCKPILE AREA DETAIL 4

SCALE: NONE



CONCRETE WASHOUT AREA NOTES

1. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED/REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
2. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF-SITE.
3. DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN AN APPROPRIATE FACILITY. ON-SITE DISPOSAL MAY BE ALLOWED IF THIS HAS BEEN APPROVED AND ACCEPTED AS PART OF THE PROJECTS SWPPP. IN THAT CASE, THE MATERIAL SHALL BE RECYCLED AS SPECIFIED, OR BURIED AND COVERED WITH A MINIMUM OF 2 FEET OF CLEAN COMPACTED EARTHFILL THAT IS PERMANENTLY STABILIZED TO PREVENT EROSION.
4. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
5. INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.
6. IN LEU OF CONCRETE WASHOUT AREA, A PRE-FABRICATED WASHOUT MAY BE USED. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF SUCH PRE-FABRICATERD WASHOUT AREA TO DESIGN ENGINEER FOR REVIEW AND APPROVAL.



CONCRETE TRUCK WASHOUT AREA 5

SCALE: NONE

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A. GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS, DRAWINGS, AND THE 2021 INTERNATIONAL EXISTING BUILDING CODE.
2. CONTRACTOR SHALL COORDINATE STRUCTURAL WORK WITH RELATED TRADES AND WITH OTHER DESIGN DISCIPLINE REQUIREMENTS PRIOR TO MAKING SUBMITTALS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
3. REFER TO OTHER DESIGN DISCIPLINE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REQUIRED FOR THE SUBMITTALS AND INSTALLATION OF STRUCTURES, INCLUDING BUT NOT LIMITED TO DIMENSIONS, ELEVATIONS, SLOPES, LOCATIONS OF OTHER SYSTEMS AND EQUIPMENT, OPENINGS, WALLS, STAIRS, FINISHES, COATINGS, AND OTHER NON-STRUCTURAL ITEMS. NOTES PROVIDED ON THE DRAWINGS ARE INTENDED FOR USE IN CONJUNCTION WITH PROJECT SPECIFICATIONS
4. DETAILS LABELED AS TYPICAL DETAILS ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH TYPICAL DETAILS SHALL APPLY WHETHER OR NOT THEY ARE DEMARKED AT EACH LOCATION IN THE DRAWINGS. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTALS.
5. CONTRACTOR IS RESPONSIBLE FOR COORDINATION DETAILS AND ACCURACY OF THE WORK; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY IN ACCORDANCE WITH GENERAL CONDITIONS AND DIVISION 1 SPECIFICATION REQUIREMENTS; AND FOR PERFORMING ALL WORK IN A SAFE AND SECURE MANNER IN ACCORDANCE WITH GOVERNING JOB SAFETY STANDARDS.
6. CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE SITE, INCLUDING LOCATIONS OF ALL EXISTING STRUCTURES AND EXISTING UTILITIES ABOVE AND BELOW GROUND (AS ANY INFORMATION SHOWN IS APPROXIMATE AND NOT NECESSARILY COMPLETE.) CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
7. LOADS APPLIED DURING CONSTRUCTION SHALL NOT EXCEED THE DESIGN LOADS NOTED ON THE DRAWINGS OR THE CAPACITY OF PARTIALLY COMPLETED CONSTRUCTIONS AS DETERMINED BY THE CONTRACTOR. THE STRUCTURAL ELEMENTS OF THE PROJECT AS SHOWN IN THE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED FOR THE SPECIFIED VERTICAL AND LATERAL FORCES ACTING ON THE COMPLETED BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND PROVIDE ALL REQUIRED SHORING AND BRACING NEEDED DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF THE PARTIALLY-COMPLETED STRUCTURE AND FOR CONSTRUCTION LOADINGS THAT EXCEED THE SPECIFIED DESIGN LOADS
8. SHORING, BRACING, PROTECTING, AND MAINTAINING THE INTEGRITY OF ANY EXISTING, ADJACENT, AND/OR ONGOING PARTIALLY COMPLETED STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.

B. EXISTING BUILDING NOTES

1. DIMENSIONS, ELEVATIONS, MEMBER SIZES, AND DETAILS OF EXISTING STRUCTURE SHOWN IN THE STRUCTURAL DRAWINGS HAVE BEEN EXTRACTED FROM RECORD DRAWINGS AND/OR LIMITED FIELD MEASUREMENTS. AS SUCH THEY ARE NOT TO BE CONSIDERED SUITABLY ACCURATE FOR ANY CONSTRUCTION WORK SHOWN, INCLUDING FABRICATIONS, SUBMITTALS, ETC. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING CONSTRUCTION, INCLUDING PLUMBNESS OR FLATNESS OF WALLS, FLOORS, ETC. AT THE JOB SITE PRIOR TO SUBMITTAL, FABRICATION OR CONSTRUCTION WORK. ANY DEVIATIONS FOUND IN THE FIELD FROM WHAT IS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION.
2. TEMPORARY SHORING AND BRACING OF FLOORS, WALLS, AND OTHER STRUCTURAL ELEMENTS OF THE EXISTING BUILDINGS REQUIRED TO ACHIEVE THE INSTALLATION OF NEW AND/OR THE REMOVAL OF EXISTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL, AT THEIR DISCRETION AND WHERE SPECIFIED, EMPLOY ENGINEERING SERVICES FOR DESIGN OF TEMPORARY BRACING, SHORING AND PROTECTION. EXISTING BUILDING MOVEMENTS SHALL BE LIMITED TO PREVENT DISTRESS FROM OCCURRING.
3. REPORT EXISTING CONDITIONS UNCOVERED, REVEALED, FOUND OR DEVELOPED DURING CONSTRUCTION INDICATIVE OF STRUCTURAL INTEGRITY LOSS OR DETERIORATION, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
4. DO NOT CUT, DRILL OR ALTER ANY EXISTING STRUCTURAL ELEMENTS UNLESS SHOWN OR NOTED ON THE STRUCTURAL DRAWINGS WITHOUT NOTIFY THE ARCHITECT FOR REVIEW, INCLUDING TEMPORARY MEASURES OR FOR THE INSTALLATION OF OTHER DESIGN DISCIPLINE WORK.
5. MONITORING OF CONSTRUCTION WORK SHALL INCLUDE, BUT IS NOT LIMITED TO FIRE WATCH DURING AND AT LEAST 24 HOURS AFTER ALL STEEL WELDING OR DRILLING, WOOD DRILLING, AND HEAT TRANSFERRING CONSTRUCTION MEASURES. DO NOT ALLOW HEAT OR ENERGY FROM EQUIPMENT TO DAMAGE OR OTHERWISE ALTER EXISTING STRUCTURAL ELEMENTS TO REMAIN.

C. DEFERRED SUBMITTALS

1. IN ACCORDANCE WITH REQUIREMENTS LISTED BY THE DRAWINGS AND SPECIFICATIONS, DEFERRED SUBMITTALS AS DEFINED BY THE IBC ARE REQUIRED FOR THE CONDUCTANCE OF THIS PROJECT. THESE SUBMITTALS REQUIRE ACCEPTABLE REVIEW BY THE ARCHITECT AND/OR ENGINEER-OF-RECORD (EOR) AS WELL AS PRESENTATION OF REVIEWED "RECORD" SUBMITTALS TO THE AHJ AT THEIR DISCRETION AND FOR THEIR ACCEPTANCE.
2. DEFERRED SUBMITTALS ARE SPECIFIED TO INCLUDE CALCULATIONS AND DRAWINGS PREPARED UNDER THE AUSPICES OF AN APPROPRIATELY LICENSED (SPECIALTY) ENGINEER. SUBMITTALS INDICATE CODE (MINIMUM) OR SPECIFIED LOAD TYPE, MAGNITUDES, AND LOCATIONS; FRAMING AND CONNECTION TYPES AND CONFIGURATIONS; INCLUDING ATTACHMENT TO PRIMARY OR BASE STRUCTURE FRAMING.
3. THE PURPOSE OF THE EOR'S REVIEW OF THE SUBMITTALS CONCERNS THAT THE SUBMITTAL DRAWINGS AND CALCULATIONS ARE PROPERLY SEALED; THAT THE LOAD CRITERIA GENERALLY CONFORM TO THE SPECIFIED DESIGN BASIS AND CODE; THAT CONNECTIONS LOADS ATTACHMENTS AND CONFIGURATIONS TO THE PRIMARY OR BASE STRUCTURE ARE COMPATIBLE WITH THE STRUCTURAL DESIGN AND CODE REQUIREMENTS.
4. THE EOR RELIES ON THE (SPECIALTY) ENGINEER'S SEAL AS CERTIFICATION THAT THE DEFERRED SUBMITTAL ITEMS COMPLY WITH SPECIFIED AND CODE CRITERIA. THE EOR IS NOT RESPONSIBLE FOR THE ADEQUACY OR EFFECTS OF THE (SPECIALTY) ENGINEER'S DESIGN. DESIGN OF TEMPORARY SHORING AND BRACING AS WELL AS TESTING AND INSPECTIONS THAT REQUIRE THE SUPERVISION OF A LICENSED ENGINEER, SUCH AS FOUNDATION SUBGRADE REVIEW, ARE NOT CONSIDERED DEFERRED SUBMITTALS.
5. DEFERRED STRUCTURAL SUBMITTAL ITEMS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
   - STORE FRONT WINDOW SYSTEM
   - STRUCTURAL STEEL
   - SHOP FABRICATED WOOD TRUSSES

   IN ADDITION, STRUCTURAL REQUIREMENTS ARE SPECIFIED FOR VARIOUS MISCELLANEOUS METAL, EXTERIOR WALL, EQUIPMENT, AND MEP SYSTEM COMPONENTS BY OTHER DESIGN DISCIPLINES; WHERE THE CONNECTION TO THE PRIMARY OR BASE STRUCTURE IS REVIEWED.

D. FOUNDATION RELATED EARTHWORK

1. A LICENSED GEOTECHNICAL ENGINEER SHALL INSPECT AND REPORT ON ALL NATIVE SUB-GRADES FOR SLABS-ON-GRADE AND FOUNDATION PREPARED SOIL SURFACES PRIOR TO THE PLACEMENT OF ANY BACKFILL, FILL, AND FOUNDATION STRUCTURAL ELEMENTS. FOUNDATIONS AND FOOTING SHALL BEAR ON COMPETENT NATIVE SOILS OR COMPACTED STRUCTURAL FILLS IN ACCORDANCE WITH THE GEOTECHNICAL REPORTING.
2. FOOTINGS, PILE CAPS, AND SLABS CAST DIRECTLY AGAINST THE EARTH SHALL BE SIDE-FORMED AS REQUIRED TO KEEP EARTH OUT OF THE CONCRETE. COMPACT DISTURBED LOAD BEARING SOIL IN DIRECT CONTACT WITH FOUNDATIONS TO ORIGINAL BEARING CAPACITY. AS WET WEATHER OR GROUND CONDITIONS WARRANT, PLACE A MINIMUM OF 6 INCHES OF CRUSHED STONE OR 12 INCHES OF SAND-GRAVEL WRAPPED IN GEOTEXTILE FABRIC FOR SUBGRADE PROTECTION BENEATH FOUNDATIONS, DO NOT ALLOW FOR STANDING WATER ON EARTH. IF OVER-EXCAVATION OCCURS, REPLACE MATERIAL WITH BACKFILL MEASURES SPECIFIED FOR USE UNDER FOUNDATIONS, AFTER ACCEPTANCE BY GEOTECHNICAL ENGINEER.
3. UNLESS NOTED OTHERWISE, PLACE AND COMPACT BACKFILL IN EQUAL CONTINUOUS LAYERS NOT EXCEEDING A MAXIMUM OF 8" OF COMPACTED DEPTH FOR HAND-HELD COMPACTION EQUIPMENT AND A MAXIMUM OF 12" INCHES COMPACTED DEPTH FOR VIBRATORY ROLLERS. MAINTAIN OPTIMUM MOISTURE CONTENT OF BACKFILL MATERIALS TO ATTAIN COMPACTION DENSITY.
4. AT EARTH RETAINING AND FOUNDATION WALLS, BACKFILL LIFTS TO NOT EXCEED 12 INCH DIFFERENCE IN ELEVATION UNTIL FINAL ELEVATION ARE REACHED ON BOTH SIDES OF THE WALL. AT BASEMENT WALLS, DO NOT BACKFILL UNTIL GROUND FLOOR AND CONNECTED ELEVATED FRAMED LEVELS SLABS HAVE BEEN COMPLETED AND THE CONCRETE AT WALLS AND FLOORS HAS ACHIEVED FULL DESIGN STRENGTH.
5. THE CONSTRUCTION CONSIDERATIONS IN THE GEOTECHNICAL REPORTING AND PROJECT SPECIFICATIONS SHALL APPLY TO THIS PROJECT, INCLUDING BUT NOT LIMITED TO PROOFROLLING SUBGRADES AT THE EXCAVATION AND/OR BEARING ELEVATIONS; REMOVING AND REPLACING LOOSE OR SOFT POCKETS, FILL SLOPE CONSTRUCTIONS, ETC.

D. FOUNDATION RELATED EARTHWORK (CONT.)

6. BACKFILL REQUIREMENTS:
   A. FILL WITHIN BUILDING ENVELOPE AND EXTENDING OUTWARD AT 1:1 SLOPE TO ACCEPTABLE NATIVE SOIL CONDITIONS:
      MATERIAL: "SAND-GRAVEL"; "GRANULAR"; "CRUSHED STONE" WITH GEOTEXTILE WRAP (SEE SECTIONS)
      COMPACTION: 95% MODIFIED PROCTOR
   B. BACKFILL DIRECTLY BELOW INTERIOR SLABS-ON-GRADE ASSEMBLIES (12 INCHES UNLESS NOTED OTHERWISE): "CRUSHED STONE" WITHOUT GEOTEXTILE
      COMPACTION: 95% MODIFIED PROCTOR
   C. BACKFILL BELOW PAVEMENT, WALKS, ENTRY SLABS IN VICINITY OF BUILDING:
      MATERIAL: "SAND-GRAVEL" "GRANULAR" "CRUSHED STONE" (SEE SECTIONS, LAND ARCH AND CIVIL)
      COMPACTION: 95% MODIFIED PROCTOR
   D. BACKFILL BEHIND RETAINING WALLS AND BASEMENT WALLS, OUTSIDE BUILDING ENVELOPE AND UNDER PAVEMENT, WALKS, ENTRY SLABS:
      MATERIAL: "GRANULAR BACKFILL"
      COMPACTION: 95% MODIFIED PROCTOR
   E. BACKFILL ALONG EXTERIOR OF BUILDING AGAINST WALLS AND NOT UNDER PAVEMENT, WALKS, ENTRY SLABS:
      MATERIAL: "SUITABLE NATIVE SOIL" COVERED BY 2 FEET DEEP BY 4 FEET WIDTH OF "LESS PERMEABLE FILL
      COMPACTION: 92% MODIFIED PROCTOR
7. BACKFILL MATERIALS: RECYCLED CONCRETE AGGREGATE TO BE USED IN WHOLE OR BLENDED WITH OTHER AGGREGATES TO ACHIEVE GRADATIONS BELOW. ONSITE MATERIALS MEETING THE FOLLOWING CLASSIFICATIONS MAY BE USED:
   A. "SAND-GRAVEL":

SIEVE DESIGNATION	% BY WEIGHT PASSING SIEVES
4 INCH	100
1/2 INCH	50-85
No. 4	45-75
No. 100	10-35
No. 200	0-6

   B. "GRANULAR":

SIEVE DESIGNATION	% BY WEIGHT PASSING SIEVES
3 INCH	100
No. 4	45-70
No. 40	0-12
No. 200	0-6

   C. "CRUSHED STONE" WITH GEOTEXTILE FABRIC:

SIEVE DESIGNATION	% WEIGHT BY PASSING SIEVES
1 INCH	100
3/4 INCH	90-100
3/8 INCH	0-55
No. 4	0-10
No. 8	0-5

   D. "SUITABLE NATIVE SOIL": ON SITE SAND OR GRAVEL REASONABLY FREE OF LOAM, SILT, CLAY, OR ORGANIC MATTER.
   E. "LESS PERMEABLE FILL" GLACIAL TILL (SEE GEOTECHNICAL REPORT)
   F. "RECYCLED CONCRETE AGGREGATE" STOCKPILED ON SITE FROM DECONSTRUCTION PROJECT. SUBMIT GRADATIONS PRIOR TO ANY REQUIRED BLENDING; AS WELL AS FOR BLENDED AGGREGATES. MUST BE USED AS IS OR INTEGRAL WITH "SAND-GRAVEL"; "GRANULAR"; "CRUSHED STONE" FILLS OR BACKFILLS ABOVE.
8. GEOTEXTILE FABRIC: NON-WOVEN WITH 12 LAPPED SEAMS SEE GEOTECHNICAL REPORTING FOR USE AND MEETING:
   - GRAB STRENGTH OF 80 POUNDS MINIMUM MEETING ASTM D4632
   - PUNCTURE STRENGTH OF 25 POUNDS MINIMUM MEETING ASTM D4833
   - TRAPEZOID TEAR OF 25 POUNDS MINIMUM MEETING ASTM D4533
   - APPARENT OPENING SIZE OF NO. 70-100 (US SIEVE) MEETING ASTM D4751
9. INSULATION AT EXTERIOR SLABS AND WALKS (NOT PAVEMENTS): EXTRUDED POLYSTYRENE, STRENGTH OF 40 PSI (UNO) AND RATED FOR UNDERSLAB/UNDERGROUND USE. STAGGER AND DO NOT TAPE BOARD JOINTS.

E. CAST-IN-PLACE CONCRETE

1. CODES AND STANDARDS: COMPLY WITH THE PROVISIONS OF THE LATEST EDITIONS OF:
   A. ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
   B. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
   C. ACI 304 "GUIDE FOR MIXING, TRANSPORTING AND PLACING CONCRETE"
   D. ACI 305 "HOT WEATHER CONCRETING"
   E. ACI 306 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING"
   F. ACI 308 "STANDARD PRACTICE FOR CURING CONCRETE".
2. CONCRETE TESTING: THE CONTRACTOR SHALL PREPARE A SET OF 4 CYLINDERS/TEST SET TO BE TESTED AT AN INDEPENDENT LABORATORY. THE CYLINDERS SHALL BE TAKEN FROM ONE CONCRETE TRUCK AND LABELED WITH DATE, TRUCK NUMBER, AND LOCATION OF CONCRETE PLACEMENT. EACH SAMPLE SHALL ALSO BE TESTED FOR SLUMP, AIR CONTENT, AND TEMPERATURE. THE CYLINDERS SHALL BE TESTED AS FOLLOWS: 1 AT 7 DAYS; 2 AT 28 DAYS; AND A THIRD HELD FOR A 56 DAY BREAK IF REQUIRED. TEST CYLINDERS SHALL BE TAKEN AT LEAST ONCE PER PLACEMENT OR AT THE FOLLOWING INCREMENTS:
   A. WALLS AND FOOTINGS: 50 CUBIC YARDS
   B. ISOLATED FOOTINGS: 25 CUBIC YARDS
   C. SLABS: 50 CUBIC YARDS

   FIELD TESTING SHALL BE PERFORMED BY A GRADE I ACI (MINIMUM)FIELD TESTING TECHNICIAN.
3. SUBMIT MIX DESIGN AND EITHER TRIAL MIX DESIGNS OR HISTORIC FIELD DATA FOR APPROVAL IN ACCORDANCE WITH ACI 318, CHAPTER 5, INCLUDE TECHNICAL DATA SHEETS, GRADATIONS, AND MATERIAL VERIFICATIONS ON ALL COMPONENTS. SUBMIT MIX DESIGNS, PRIOR TO PLACEMENT OF CONCRETE, TRANSIT MIX SHALL CONFORM TO ASTM C94.
4. COMPRESSIVE MIXTURES AS DELINEATED IN TABLE BELOW; SEE NOTES BELOW FOR ADDITIONAL INFORMATION.
   A. SLUMP: 3"-5" BEFORE ADDITION OF WATER REDUCER, 6"-8" AFTER ADDITION OF WATER REDUCER
   B. ALL CONCRETE NORMALWEIGHT, UNLESS NOTED OTHERWISE.
5. MAXIMUM AGGREGATE SIZE IN ACCORDANCE WITH ACI 301; CLEARLY NOTE LOCATION WHERE AGGREGATES GREATER THAT 3/4" MAXIMUM SIZE ARE PROPOSED FOR USE.
6. NO CHLORIDE OR OTHER UNAUTHORIZED ADMIXTURES SHALL BE USED. MAINTAIN MAXIMUM WATER SOLUBLE CHLORIDE ION (CL-) IN CONCRETE, BY WEIGHT OF CEMENT AT LESS THAN 1.00 FOR NON-EXPOSED CONCRETES AND 0.30 FOR EXTERIOR EXPOSED CONCRETES
7. WHEN AMBIENT TEMPERATURE IS BELOW 40º FAHRENHEIT OR MORE THAN 90º FAHRENHEIT PLACE AND PROTECT CONCRETE IN ACCORDANCE WITH ACI STANDARDS LISTED ABOVE.
8. CONCRETE PLACEMENT MAY REQUIRE ADJUSTMENT OF REINFORCEMENT, EMBEDDED ITEMS OR ANCHOR BOLTS. REVIEW DRAWINGS IDENTIFY THESE LOCATIONS TO ARCHITECT PRIOR TO SUBMITTALS. PROVIDE ADDITIONAL SUPERVISION AT ALL STEEL TO CONCRETE CONNECTION LOCATIONS AND MODIFY PLACEMENT MEASURES TO ACCOUNT FOR CONGESTIONS.
9. COMPLY WITH ACI CODES AND PLACE CONCRETE IN A CONTINUOUS OPERATION WITHIN PLANNED JOINTS OR SECTIONS. DO NOT PERMIT COLD JOINTS TO OCCUR.
10. CURING: COVER OR WET CURE ALL ELEMENTS. BEGIN INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM EXPOSED SURFACES. WHERE POSSIBLE, KEEP CONTINUOUSLY WET FOR 72 HOURS. CONTINUE CURING BY USE OF MOISTURE RETAINING COVER. USE OF MEMBRANE-FORMING CURING COMPOUNDS IS PROHIBITED.
11. SEE CONCRETE MIXTURE SCHEDULE FOR SURFACE FINISHES. NOTE EXPOSED WALL REQUIREMENTS IN SPECIFICATIONS.
12. PROVIDE CONTROL AND CONSTRUCTION JOINTS BY DETAIL AND SPECIFICATION REQUIREMENTS. SHOW LOCATION ON REINFORCING SUBMITTAL FOR COORDINATION WITH FLOORING, EQUIPMENT AND OTHER CONTRACTOR REQUIREMENTS.
   A. SLABS SAW-CUT CONTROL JOINTS AS SOON AS CONCRETE HAS HARDENED ENOUGH TO WALK ON SURFACE WITHOUT DAMAGING CONCRETE AND NO MORE THAN 4 HOURS AFTER FINAL TROWEL. JOINT SPACING SHALL, UNLESS NOTED OTHERWISE, NOT EXCEED 36 TIMES THE SLAB THICKNESS OR 18 FEET
   B. WALLS CONTROL JOINTS: NOT EXCEEDING 20 FEET AND AT EACH INTEGRAL PILASTER; CONSTRUCTION JOINTS AT 80 FEET OF MAXIMUM SPACING.

F. CONCRETE REINFORCEMENT

1. SHOP DRAWINGS SHALL BE PROVIDED PRIOR TO START OF CONCRETE PLACING AND BE IN ACCORDANCE WITH:
   A. ACI 301
   B. ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
   C. ACI SP-66 "ACI DETAILING MANUAL"
   D. CRSI MSP "MANUAL OF STANDARD PRACTICE"

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. SHOW ALL SLABS IN PLAN AND ALL WALLS IN ELEVATION WITH OPENINGS AND PENETRATIONS SHOWN BASED ON MEP COORDINATION SUBMITTALS AND ARCHITECTURAL REQUIREMENTS. SUBMIT PROPOSED CONTROL AND CONSTRUCTION JOINTS FOR REVIEW ON REINFORCING SUBMITTALS
2. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60, STEEL BARS PER ASTM A305, UNLESS NOTED OTHERWISE.
3. FIELD BENDING OR REINFORCEMENT SHALL CONFORM TO ACI 301, INCLUDING PRE-HEAT REQUIREMENTS.
4. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185 WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70,000 PSI. LAP ONE CROSS WIRE SPACING PLUS 2". SUPPORT MESH ON CHAIRS PER CRSI WITH #4 AT 4'-0"oc, EACH WAY.
5. PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT AS FOLLOWS, UNLESS OTHERWISE NOTED:
   A. BOTTOM OF FOOTINGS, GRADE BEAMS, AND SLABS-ON-GRADE: 3"
   B. SIDES OF FOOTINGS AND GRADE BEAMS: 2"
   C. FOUNDATION WALLS, FROST WALLS, RETAINING WALLS, PIT WALLS: 2"
   D. EXTERIOR WALLS (EXPOSED TO WEATHER): 2"
   E. FACES OF WALLS OTHER THAN THOSE NOTED ABOVE: 3/4"
   F. FOUNDATION PIERS: 2" TO TIES
6. ALL LAPS SHALL BE FULL TENSION LAPS (CLASS B SPLICE) UNLESS SPECIFICALLY NOTED OTHERWISE. DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCEMENT, UNLESS OTHERWISE NOTED.
7. CHAIRS AND SPACERS SHALL BE PLACED TO ADEQUATELY SUPPORT REINFORCING DURING PLACEMENT. FOREIGN MATERIALS SUCH AS WOOD, CLAY BRICK OR OTHER UNSUITABLE SUPPORTS SHALL NOT BE USED TO SUPPORT REINFORCING. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE WHERE CONCRETE WILL BE EXPOSED. DO NOT USE CONCRETE SUPPORTS OR PUDDLING FOR SLABS UNLESS SUBMITTED AND ACCEPTABLY REVIEWED.

G. CONCRETE FORMWORK

1. CONCRETE FORMS SHALL BE CLEAN AND FREE FROM DEBRIS. IF FORMS ARE COATED WITH A VEGETABLE BASED (SOY) RELEASE AGENT, WHICH SHALL NOT STAIN CONCRETE OR ABSORB MOISTURE OR IMPAIR NATURAL BONDING OF CONCRETE.
2. COORDINATE WITH REINFORCING SUBMITTAL FOR OPENING AND ADDITIONAL REQUIREMENTS. SUBMIT, BEFORE FRAMING OPENINGS IN STRUCTURAL ELEMENTS WHICH ARE NOT INDICATED ON DRAWINGS.
3. PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK. FOR PLACEMENT OPERATIONS. DO NOT REMOVE FORMS OR BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT AND IMPOSED LOADS.
4. ALL WALL SIDES AND SLAB EDGES EXPOSED TO VIEW TO HAVE CLASS A – CLASS OF SURFACE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

H. POST-INSTALLED ANCHORS INTO CONCRETE AND MASONRY

1. WHERE A MANUFACTURER'S ANCHORS IS SPECIFICALLY CALLED OUT ON THE DRAWINGS, IT SHALL BE CONSIDERED THE DESIGN BASIS FOR THE REQUIRED ANCHOR. ALTERNATES MEETING OR EXCEEDING ANCHOR SYSTEM DEMANDS, INCLUDING, BUT NOT LIMITED TO CAPACITY LOADING, EDGE DISTANCE, SUBSTRATE THICKNESS FOR CONNECTION ELEMENTS AND BASE MATERIAL SHALL BE SUBMITTED FOR PROPOSED USE PENDING ACCEPTABLE REVIEW. SUBMIT ICC-ES CODE REPORTS.
2. ADHESIVE ANCHORS, WHERE NOT SPECIFICALLY DETAILED, SHALL BE:
   A. FOR CONCRETE AND CONCRETE MASONRY: HILTI HIT HY-200
   B. FOR EXISTING BRICK MASONRY: HILTI HIT-HY 270

   INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.
3. EXPANSION ANCHORS, WHERE NOT SPECIFICALLY DETAILED, SHALL BE:
   A. FOR CONCRETE: HILTI KWIK BOLT TZ
   B. FOR MASONRY: HILTI KWIK BOLT 3.

   INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.
4. SCREW TYPE ANCHORS: WHERE NOT SPECIFICALLY DETAILED, SHALL, FOR CONCRETE AND MASONRY: SIMPSON TITEN-HD INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.

BASIS OF DESIGN

1.	Building Code:	2021 IEBC & ASCE 7-10
2.	Dead Loads:	
	a. Roof Dead Load:	15 psf
	b. Floor Dead Load:	15 psf
3.	Live Loads:	
	a. Roof Live Load:	Snow Load Governs
	b. Floor Live Load at Reading Rooms:	60 psf
	c. Floor Live Load at Stack Rooms:	150 psf
4.	Roof Snow Load:	
	a. Ground Snow Load, P_g:	85 psf
	b. Flat Roof Snow Load, P_f:	65 psf
	c. Snow Exposure Factor, C_e:	1.0
	d. Snow Load Importance Factor, I:	1.0
	e. Thermal Factor, C_t:	1.1
5.	Wind Design Data:	
	a. Basic Wind Speed (3-second gust), V:	115 mph
	b. Wind Exposure:	C
	c. Internal Pressure Coefficients:	+/- 0.18
	d. Components and Cladding Wind Pressure:	per ASCE 7
6.	Earthquake Design Data:	
	a. Seismic Importance Factor, I:	1.0
	b. Risk Category:	II
	c. Mapped Spectral Response Acceleration, S_S:	0.236
	d. Mapped Spectral Response Acceleration S_1:	0.082
	e. Site Class:	D
	f. Spectral Response Coefficient, S_{DS}:	0.251
	g. Spectral Response Coefficient, S_{D1}:	0.131
	h. Seismic Design Category:	B
	i. Basic Seismic-Force-Resisting System:	LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCURAL PANELS RATED FOR SHEAR RESISTANCE
	j. Response Modification Factor, R:	6.5
	k. Analysis Procedure Used:	Equivalent Lateral Force Procedure
7.	Allowable Soil Bearing Pressure:	2000 PSF (ASSUMED TO BE VERIFIED AT TIME OF CONSTRUCTION)

ABBREVIATIONS

AB	ANCHOR BOLT	MC	MOMENT CONNECTION
AFF	ABOVE FINISH FLOOR	N.S.	NEAR SIDE
AL	ALUMINUM	oc	ON CENTER
B.O.F.	BOTTOM OF FOOTING	P#	PIER DESIGNATION
DWG	DRAWING	PL	PLATE
E.F.	EACH FACE	SS	STAINLESS STEEL
ELEV.	ELEVATION	STD	STANDARD
EP	EMBED PLATE	T.O.C.	TOP OF CONCRETE
EQ	EQUAL	T.O.S.	TOP OF STEEL
E.S.	EACH SIDE	T.O.SHELF	TOP OF SHELF
E.W.	EACH WAY	T.O.W.	TOP OF WALL
EX.	EXISTING	TYP.	TYPICAL
F#	FOOTING DESIGNATION	U.N.O.	UNLESS NOTED OTHERWISE
FND	FOUNDATION	V.I.F.	VERIFY IN FIELD
F.S.	FAR SIDE		
H.T.	HEAVY TIMBER		

DRAWING LEGEND

NOTE: NOT ALL SYMBOLS AND NOTATIONS USED

NORTH ARROW
ELEVATION
[XX' - XX"] TOP OF FOOTING ELEV.
1 / S2.1 SECTION NUMBER / DRAWING WHERE SHOWN
DECK / SPAN DECK SPAN DIRECTION OR GRATING DIRECTION
1/8" / FT SLOPE DIRECTION, and MAGNITUDE
BEAM/COLUMN SPLICE
12 / 6 ROOF PITCH
S2 FOOTING STEP
OPENING
MOMENT CONNECTION
GUARDRAIL/RAILING
BEAM PENETRATION

CONCRETE
GROUT or FINE CRUSHED GRAVEL
GRATING
LEDGE/ROCK
3/4" CRUSHED STONE
COMPACTED GRANULAR FILL
RIGID INSULATION
WOOD
UNDISTURBED SUBGRADE
CMU BLOCK
BRICK

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

STATE OF NEW HAMPSHIRE - MARK P. STETSON No. 13866 LICENSED PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
BASIS OF DESIGN, NOTES

PROJECT NO: 23462 DATE: 6/24/24

SHEET NUMBER:
S001

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Q. WOOD FRAMING NOTES

1. UNLESS OTHERWISE SPECIFIED, EACH PIECE OF LUMBER SHALL BEAR THE GRADE MARK, STAMP, OR OTHER IDENTIFYING MARKS INDICATING GRADES OF MATERIAL, AND RULES OR STANDARDS UNDER WHICH PRODUCED. SUCH IDENTIFYING MARKS ON A MATERIAL SHALL BE IN ACCORDANCE WITH THE RULE OR STANDARD UNDER WHICH MATERIAL IS PRODUCED, INCLUDING REQUIREMENTS FOR QUALIFICATIONS AND AUTHORITY OF THE INSPECTION ORGANIZATION, USAGE OF AUTHORIZED IDENTIFICATION, AND INFORMATION INCLUDED IN THE IDENTIFICATION. THE INSPECTION AGENCY FOR LUMBER SHALL BE APPROVED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE, TO GRADE SPECIES USED.
2. PROTECT LUMBER AND OTHER PRODUCTS FROM DAMPNESS BOTH DURING AND AFTER DELIVERY AT THE SITE. PILE PLYWOOD AND LUMBER IN STACKS IN SUCH A MANNER AS TO PROVIDE ADEQUATE AIR CIRCULATION AND TO PREVENT WARPING. LOCATE STACKS IN WELL DRAINED AREAS, SUPPORTED AT LEAST SIX INCHES ABOVE GRADE AND COVER WITH WELL VENTILATED SHEDS HAVING A FIRMLY CONSTRUCTED OVERHANGING ROOF AS WELL AS SUFFICIENT END WALL TO PROTECT LUMBER FROM DRIVING RAIN.
3. STORE SEASONED MATERIALS IN DRY PORTIONS OF BUILDING.
4. PROTECT SHEET MATERIALS FROM CORNERS BREAKING AND DAMAGING SURFACES WHILE UNLOADING.
5. NOMINAL SIZES ARE INDICATED EXCEPT AS SHOWN BY DETAIL DIMENSIONS. PROVIDE ACTUAL SIZES AS REQUIRED BY PRODUCT STANDARD 20, DEPARTMENT OF COMMERCE.
6. MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 19%.
7. LIGHT GAGE METAL CONNECTIONS SHALL BE SIMPSON, SUBMIT MANUFACTURERS SPECIFICATION SHEETS.

LUMBER GRADES:

1. 2x6 AND 2x4 BEARING WALLS, INTERIOR AND EXTERIOR LOCATIONS: SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA
2. STRUCTURAL ROOF AND FLOOR FRAMING: SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA
3. PRESERVATIVE PRESSURE TREATED (P.P.T. or P.T.) LUMBER: SOUTHERN PINE No. 2, AS GRADED BY SPIB
4. LAMINATED VENEER LUMBER (LVL):
   A. PROVIDE LVL HEADERS AND BEAMS AS INDICATED.
   B. LVL FRAMING SHALL BE LAMINATED DOUGLAS FIR OR SOUTHERN PINE (GP LAM BY GEORGIA PACIFIC OR MICROLAM BY TRUS-JOIST OR EQUAL) MEETING THE FOLLOWING MINIMUM ALLOWABLE STRESS CRITERIA:
      FB (BENDING STRESS) = 2600 PSI
      FV (HORIZ. SHEAR STRESS) = 285 PSI
      E (MODULUS OF ELASTICITY) = 1,900,000 PSI
      FC (COMPRESSIONS PERPENDICULAR TO GRAIN) = 750 PSI
5. GLULAM BEAMS AND COLUMNS
   A. PROVIDE GLULAM BEAMS AND COLUMNS AS INDICATED.
   B. GLULAM BEAMS AND COLUMNS SHALL BE PRODUCED BY NORDIC ENGINEERED WOOD, OR APPROVED EQUIVALENT MEETING THE FOLLOWING MINIMUM ALLOWABLE STRESS CRITERIA:
      FB (BENDING STRESS) = 2400 PSI
      FV (HORIZ. SHEAR STRESS) = 300 PSI
      E (MODULUS OF ELASTICITY = 1,900,000 PSI
      FC (COMPRESSION PERPENDICULAR TO GRAIN) = 600 PSI
      APPEARANCE GRADE - ARCHITECTURAL
      STRESS GRADE - 24F-ED/NPG
6. MISCELLANEOUS LUMBER: PROVIDE WOOD FOR SUPPORT OR ATTACHMENT OF THE WORK INCLUDING NON-BEARING PARTITIONS, CANT STRIPS, BUCKS, NAILERS, BLOCKING, FURRING, GROUNDS, STRIPPING AND SIMILAR MEMBERS. PROVIDE LUMBER OF SIZES AND SHAPES INDICATED. GRADE: SPRUCE-PINE-FIR STUD GRADE AS GRADED BY NLGA.

MATERIALS:

1. ROOF SHEATHING: 5/8" ADVANTECH ROOF SHEATHING, STRUCTURAL 1 PANEL GRADE, MANUFACTURED BY HUBER ENGINEERED WOODS WITH A PS-2 SPAN RATING OF 40/20 AS DENOTED BY CODE EVALUATION REPORT ESR 1785.
2. FLOOR SHEATHING: 23/32" ADVANTECH SUBFLOOR SHEATHING, STRUCTURAL 1 PANEL GRADE, MANUFACTURED BY HUBER ENGINEERED WOODS WITH A PS-2 SPAN RATING OF 24-INCHES AS DENOTED BY CODE EVALUATION REPORT ESR 1785.
3. FASTENERS AND ANCHORS: FURNISH ITEMS OF ROUGH HARDWARE, METAL CONNECTORS, BOLTS, ETC., REQUIRED TO COMPLETE THE WORK. BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED ELECTRO GALVANIZED STEEL.
4. SILL GASKET ON TOP OF FOUNDATION WALL: 1/4 INCH THICK, PLATE WIDTH WIDE, CLOSED CELL POLYETHYLENE URETHANE FOAM FROM CONTINUOUS ROLLS.
5. SUBFLOOR GLUE: APA AFG-01, WATERPROOF OF WATER SOLVENT BASE, AIR CURE TYPE, CARTRIDGE DISPENSED.
6. BUILDING PAPER: NO. 15 ASPHALT FELT. PLAIN UNTREATED CELLULOSE BUILDING PAPER.
7. WOOD PRESERVATIVE (PRESSURE TREATMENT): AWPA TREATMENT ACQ USING WATER BORNE PRESERVATIVE WITH 0.40 PERCENT RETAINAGE.
8. SET STRUCTURAL MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
9. MAKE PROVISIONS FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
10. PLACE HORIZONTAL MEMBERS, CROWN SIDE UP.
11. CONSTRUCT LOAD BEARING FRAMING FULL LENGTH WITHOUT SPLICES.
12. DOUBLE MEMBERS AT OPENINGS OVER 24 INCHES WIDE. SPACE SHORT STUDS OVER AND UNDER OPENING TO STUD SPACING.
13. CONSTRUCT DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS AND UNDER WALL STUD PARTITIONS THAT ARE PARALLEL TO FLOOR JOISTS. FRAME RIGIDLY INTO JOISTS.
14. BRIDGE JOISTS FRAMING IN EXCESS OF 8 FEET SPAN AT MID-SPAN AND WHERE SHOWN ON DRAWINGS. FIT SOLID BLOCKING OR BRIDGING AT ENDS OF MEMBERS.
15. SECURE ROOF SHEATHING WITH LONGER EDGE PERPENDICULAR TO FRAMING MEMBERS AND WITH ENDS STAGGERED AND SHEET ENDS OVER BEARING.
16. USE SHEATHING CLIPS BETWEEN SHEETS BETWEEN ROOF FRAMING MEMBERS.
17. WHERE TONGUE AND GROOVE PLYWOOD IS USED, FULLY ENGAGE TONGUE AND GROOVE EDGES.
18. SECURE WALL SHEATHING WITH LONG DIMENSION PERPENDICULAR TO WALL STUDS, WITH ENDS OVER FIRM BEARING AND STAGGERED.
19. PLACE BUILDING PAPER HORIZONTALLY OVER WALL SHEATHING; WEATHER LAP EDGES AND ENDS.
20. SECURE SUB-FLOOR SHEATHING WITH LONGER EDGE PERPENDICULAR TO FLOOR FRAMING AND WITH END JOINTS STAGGERED AND SHEET ENDS OVER BEARING. ATTACH WITH SUB-FLOOR GLUE AND 8D NAILS AT 6" ON CENTER AT PERIMETER AND 12" ON CENTER ON INTERIOR OF PANEL.
21. TOLERANCES:
   A. FRAMING MEMBERS: 1/4 INCH FROM TRUE POSITION, MAXIMUM.
   B. SURFACE FLATNESS OF FLOOR: 1/4 INCH IN 10 FEET MAXIMUM, AND 1/2 INCH IN 30 FEET MAXIMUM.
22. ALL POSTS AND COLUMNS FROM HEADERS AND BEAMS SHALL BEAR CONTINUOUSLY TO CONCRETE FOUNDATIONS INCLUDING BLOCKING IN FLOOR AND ROOF SPACES. BLOCKING SHALL BE OF THE SIZE AND SHAPE TO CARRY THE REQUIRED LOADING.
23. ALL BOTTOM BEARING PLATES, FOR STUD WALLS OR BEAM BEARING, SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 4'-0" ON CENTER, UNLESS NOTED OTHERWISE.
24. ALL BEARING WALLS SHALL BE BLOCKED AT 4'-0" ON CENTER, VERTICALLY, UNLESS NOTED OTHERWISE.
25. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE PRESSURE TREATED, P.P.T.
26. ALL FASTENERS FOR PRESSURE TREATED WOOD TO BE G90 HOT-DIPPED GALVANIZED.
27. ALL HANGERS FOR PRESSURE TREATED WOOD TO BE G90 HOT-DIPPED GALVANIZED.
28. PROVIDE 1/4" NOMINAL GAP BETWEEN WOOD FRAMING AND HORIZONTAL FACES OF CONCRETE WALLS.

TABLE 1. CONCRETE MIXTURES

CONCRETE USAGE	MIN. COMPRESSIVE STRENGTH (f'_c)	CONCRETE TYPE	EXPOSURE CLASSES	MAX. W/CM RATIO	PERMISSIBLE AIR CONTENT	REQUIRED CEMENT REPLACEMENT	MAX. AGGREGATE SIZE	ADDITIONAL REMARKS
COMBINED FOOTINGS, CONTINUOUS FOOTINGS, SPREAD FOOTINGS	3,000 psi AT 56 DAYS	NWC	C0, F0	N/A	N/A	0 - 70%	1-1/2"	
FOUNDATION WALLS, COLUMNS AND PIERS	4,000 psi AT 28 DAYS	NWC	C1, F1	0.45	4.5% ±1.5%	0 - 50%	1-1/2"	
INTERIOR SLAB-ON-GRADE	4,000 psi AT 28 DAYS	NWC	C0, F0	0.50	N/A	0 - 50%	1"	
EXTERIOR SLAB-ON-GRADE	5,000 psi AT 56 DAYS	NWC	C2, F2	0.40	5.5% ±1.5%	15 - 25%	1-1/2"	
SLABS-ON-METAL DECK	4,000 psi AT 28 DAYS	NWC	C0, F0	0.50	N/A	0 - 50%	3/4"	

NOTES:
1. ALL CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS F0, S0, P0 AND C0 ACCORDING TO ACI 318-08 UNLESS NOTED OTHERWISE IN TABLE ABOVE, IN NOTES BELOW OR ELSEWHERE ON THE STRUCTURAL DRAWINGS.
2. CONCRETE NOTED ABOVE OR ON PLAN AS EXPOSURE CLASS F1, F2, S1, S2, S3, P1, C1 OR C2 SHALL BE PROPORTIONED TO COMPLY WITH ACI 318-08 TABLES 4.3.1, 4.4.1 AND 4.4.2 IN ADDITION TO THE NOTATIONS IN THE REQUIREMENTS FOR VARIOUS EXPOSURE CLASSES RELATIVE TO CEMENT TYPE, AIR ENTRAINMENT REQUIREMENTS, CHLORIDE ION LIMITS AND POZZOLAN LIMITS.
3. FOR SLAB, COORDINATE AND PROVIDE MIX DESIGNS MEETING MAXIMUM CEMENT CONTENT FOR AGGREGATE SIZE TO COMPLY WITH TABLE 8.4.1B OF ACI 302-15.
4. WHERE INDICATED IN THE "ADDITIONAL REMARKS" ABOVE, CONCRETE SHALL BE PROPORTIONED FOR A MAXIMUM ALLOWABLE UNIT SHRINKAGE OF 0.035% MEASURED 28 DAYS AFTER CURING IN LIME WAS AS DETERMINED BY ASTM C157, USING AIR STORAGE.
5. WALLS AND PIERS THAT ARE LOCATED EXTERIOR TO THE BUILDING FOOTPRINT AND EXTEND ABOVE THE FROST LINE ARE EXPOSURE CLASS C1 AND F1 AND SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,500 psi AT 28 DAYS, HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.45 AND HAVE A MINIMUM 4.5% AIR ENTRAINMENT.

SCHEDULE OF MINIMUM LAP SPLICES

FULL-TENSION (CLASS B) LAP SPLICES FOR NORMAL WEIGHT CONCRETE WITH f'c = 3000 PSI

BAR SIZE	CASE A (CLEAR COVER ≥ 1-1/2" & CENTER-TO-CENTER SPACING ≥ 4db)		CASE B (CLEAR COVER ≥ 3/4" & CENTER-TO-CENTER SPACING ≥ 4db)		CENTER-TO-CENTER SPACING < 4db	CENTER-TO-CENTER SPACING < 4db
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS		
#3	21"	16"	21"	16"	(PER ACI 318-05)	(PER ACI 318-05)
#4	28"	22"	28"	22"		
#5	35"	27"	41"	32"		
#6	42"	32"	56"	43"		
#7	61"	47"	90"	69"		
#8	70"	54"	111"	86"		
#9	85"	66"	134"	103"		
#10	102"	79"	158"	122"		
#11 & #14	USE MECHANICAL SPLICE					

NOTE: "TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BENEATH THE BAR. WALL BARS (OTHER THAN DESIGNATED CHORD BARS) ARE NOT CONSIDERED TOP BARS.

SCHEDULE OF MINIMUM LAP SPLICES

FULL-TENSION (CLASS B) LAP SPLICES FOR NORMAL WEIGHT CONCRETE WITH f'c = 4000 PSI

BAR SIZE	CASE A (CLEAR COVER ≥ 1-1/2" & CENTER-TO-CENTER SPACING ≥ 4db)		CASE B (CLEAR COVER ≥ 3/4" & CENTER-TO-CENTER SPACING ≥ 4db)		CENTER-TO-CENTER SPACING < 4db	CENTER-TO-CENTER SPACING < 4db
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS		
#3	16"	12"	16"	12"	(PER ACI 318-14)	(PER ACI 318-14)
#4	20"	15"	25"	19"		
#5	25"	19"	37"	28"		
#6	30"	23"	49"	37"		
#7	49"	37"	78"	60"		
#8	62"	47"	97"	74"		
#9	76"	58"	117"	90"		
#10	91"	70"	141"	108"		
#11 & #14	USE MECHANICAL SPLICE					

NOTE: "TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BENEATH THE BAR. WALL BARS (OTHER THAN DESIGNATED CHORD BARS) ARE NOT CONSIDERED TOP BARS.

SCHEDULE OF MINIMUM LAP SPLICES

FULL-TENSION (CLASS B) LAP SPLICES FOR NORMAL WEIGHT CONCRETE WITH f'c = 5000 PSI

BAR SIZE	CASE A (CLEAR COVER ≥ 1-1/2" & CENTER-TO-CENTER SPACING ≥ 4db)		CASE B (CLEAR COVER ≥ 3/4" & CENTER-TO-CENTER SPACING ≥ 4db)		CENTER-TO-CENTER SPACING < 4db	CENTER-TO-CENTER SPACING < 4db
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS		
#3	16"	12"	16"	12"	(PER ACI 318-14)	(PER ACI 318-14)
#4	20"	15"	23"	17"		
#5	25"	19"	33"	25"		
#6	30"	23"	45"	34"		
#7	43"	33"	71"	54"		
#8	55"	42"	88"	67"		
#9	68"	52"	106"	81"		
#10	82"	63"	127"	97"		
#11 & #14	USE MECHANICAL SPLICE					

NOTE: "TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BENEATH THE BAR. WALL BARS (OTHER THAN DESIGNATED CHORD BARS) ARE NOT CONSIDERED TOP BARS.

FOOTING SCHEDULE

PLAN DESIGNATION	FOOTING SIZE	REINFORCING *(BOTTOM U.N.O.)*
F3.0	3'-0" SQR x 12" THICK	(3) #5 x 2'-8" EACH WAY

SHEAR WALL SCHEDULE

WALL MARK	SHEATHING	NAILING		BOTTOM PLATE ATTACHMENT
		AT PANEL EDGES	AT INTERMEDIATE SUPPORTS	
SW-1	1/2" THICK ON ONE SIDE	8d NAILS @ 6" o/c	8d NAILS @ 12" o/c	16d COMMON NAILS @ 8" o/c
SW-2	1/2" THICK ON ONE SIDE	8d NAILS @ 3" o/c	8d NAILS @ 12" o/c	16d COMMON NAILS @ 4" o/c
SW-3	1/2" THICK ON BOTH SIDES	8d NAILS @ 4" o/c	8d NAILS @ 12" o/c	SEE DETAIL ---

NOTES:
1. PROVIDE BLOCKING AT ALL PANEL EDGES.
2. ALL STUDS SHALL BE SPF No. 1 / No. 2 OR BETTER.
3. ALL WALL PLATES SHALL BE No. 1 / No. 2 OR BETTER.
4. ALL SHEATHING SHALL BE APA RATED.
5. ALL SHEAR WALLS TO EXTEND FROM FLOOR DIAPHRAGMS TO FLOOR OR ROOF DIAPHRAGMS.

HOLD DOWN SCHEDULE

MARK	HOLD DOWN	MINIMUM VERTICAL WOOD MEMBER	CONCRETE ANCHOR	DETAIL
HD-A	HDU2-SDS2.5	(2) DF 2x6	5/8"ø EPOXY ANCHOR 5 5/8" EMBEDMENT	-
HD-B	HDU5-SDS2.5	(2) DF 2x6	5/8"ø EPOXY ANCHOR 5 5/8" EMBEDMENT	-
HD-C	HDU8-SDS2.5	(3) DF 2x6	7/8"ø EPOXY ANCHOR 7 7/8" EMBEDMENT	-

NOTES:
1. HOLD DOWNS BY SIMPSON STRONG-TIE.
2. EPOXY ANCHORS TO BE HILTI HAS RODS DRILLED AND SET WITH HILTI HY150 MAX ADHESIVE SYSTEM. MAINTAIN 3" CONCRETE EDGE DISTANCE.

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REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
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CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
NOTES, SCHEDULES

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S002

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SPECIAL INSPECTION REQUIREMENTS

STRUCTURAL TESTS AND SPECIAL INSPECTIONS ARE REQUIRED ON THIS PROJECT FOR THE FOLLOWING PORTIONS OF CONSTRUCTION:

1. SOILS AND FOUNDATIONS
2. CAST-IN-PLACE CONCRETE
3. STRUCTURAL STEEL
4. WOOD

STRUCTURAL TESTS AND INSPECTIONS ARE TO BE PERFORMED BY THE REGISTERED DESIGN PROFESSIONAL AND/OR A QUALIFIED PERSON, COMPETANT IN THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION. THE REGISTERED DESIGN PROFESSIONALS AND SUGGESTIONS FOR TESTING AGENCIES ARE LISTED BELOW:

INSPECTION AGENT	FIRM	ADDRESS
STRUCTURAL ENGINEER OF RECORD	ENGINEERING VENTURES, PC.	208 FLYNN AVE, SUITE 2A BURLINGTON, VT 05401
ARCHITECT OF RECORD	BANWELL ARCHITECTS	6 SOUTH PARK ST, LEBANON, NH 03766
TESTING AGENCY	TBD	TBD
SPECIAL INSPECTION AGENT & COORDINATOR	TBD	TBD

SOILS

ITEM	FREQUENCY	AGENT	REFERNCES
VERIFICATION AND INSPECTION (APPROVED SOILS REPORT AND CONSTRUCTION DOCUMENTS SHALL BE USED TO DETERMINE COMPLIANCE)			
VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	TA/GE	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	TA	
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	FOR EACH SOURCE OF FILL MATERIAL	TA	SPECIFICATIONS
VERIFY USE OF PEOPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS	TA	
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	ONCE FOR EACH AREA OF PLACEMENT	TA	
COMPACTION TESTING	EVERY OTHER LIFT, EVERY 1000 SF	TA	ASTM D2922

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC.
GE = GEOTECHNICAL ENGINEER

CAST-IN-PLACE CONCRETE

ITEM	SCOPE	FREQUENCY	REFERNCES	AGENT
MIX DESIGN	REVIEW MIX DESIGN FOR CONFORMANCE WITH SPECIFICATIONS	PRIOR TO CONSTRUCTION	ACI 318 SPECIFICATIONS	EV
MATERIAL CERTIFICATION	REVIEW SUBMITTALS FOR CONFORMANCE WITH SPECIFICATIONS	PRIOR TO CONSTRUCTION	ACI 318 SPECIFICATIONS	EV
REINFORCING INSTALLATION	REVIEW REINFORCING FOR SIZE, QUANTITY, CONDITION, AND PLACEMENT	PERIODIC	ACI 318 SPECIFICATIONS	TA
CONCRETE PLACEMENT	OBSERVE CONCRETE PLACEMENT OPERATIONS. VERIFY CONFORMANCE WITH HOT OR COLD WEATHER REQUIREMENTS. PERFORM SLUMP, DENSITY, AND AIR CONTENT TESTS AT POINT OF DISCHARGE.	PERIODIC	ACI 318 SPECIFICATIONS	TA
CURING AND PROTECTION	OBSERVE PROCEDURES FOR CONFORMANCE WITH SPECIFICATIONS	PERIODIC	ACI 318 SPECIFICATIONS	TA
EVALUATION OF CONCRETE STRENGTH	TEST (TA) AND EVALUATE (EV) FOR CONFORMANCE WITH SPECIFICATIONS	CONTINUOUS	ACI 318 SPECIFICATIONS	TA EV

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC.

SPECIAL INSPECTION REQUIREMENTS (CON'T)

STRUCTURAL STEEL

ITEM	SCOPE	FREQUENCY	REFERNCES	AGENT
FABRICATOR CERTIFICATION / QUALITY CONTROL PROCEDURES	FABRICATOR QUALITY CONTROL PROCEDURE SPECIFICATIONS AND DETAILED FABRICATION PROCEDURES	PRIOR TO CONTRUCTION	IBC SECTION 1704.2.1	EV
MATERIAL VERIFICATION OF STRUCTURAL STEEL	IDENTIFICATION MARKINGS TO CONFORM TO AISC 360	PERIODIC	AISC 360, SECTION M5.5	TA
MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	AISC 360, A3.3 AND APPLICABLE ASTM STANDARDS	TA
HIGH-STRENGTH BOLTING	DETERMINATION THAT THE REQUIREMENTS FOR BOLTS, NUTS, WASHERS AND PAINT; BOLTED PARTS AND INSTALLATION AND TIGHTENTING STANDARDS ARE MET	PERIODIC	AISC 360, SECTION M2.5	TA
MATERIAL VERIFICATION OF WELD FILLER MATERIALS	IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	AISC 360, SECTION A3.5, AND APPLICABLE AWS A5 DOCUMENTS	TA
WELDING	WELDING INSPECTION AND WELDING INSPECTOR QUALIFICATIONS FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AWSD1.1	PERIODIC/CONTINUOUS	AWS D1.1 AND D1.3	TA
STRUCTURAL FRAMING, DETAILS AND ASSEMBLIES	REVIEW SUBMITTALS AND SHOP DRAWINGS FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS	PRIOR TO CONTRUCTION	AISC 360, SPECIFICATION	EV

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC.

WOOD

ITEM	SCOPE	FREQUENCY	REFERNCES	AGENT
QUALITY CONTROL	FABRICATOR QUALITY CONTROL PROCEDURE SPECIFICATIONS	PRIOR TO CONTRUCTION	IBC SECTION 1704.2	TA
SHEAR WALL NAILING	VERIFY MATERIALS AND NAILING PATTERN	PERIODIC	IBC SECTION 1705.12.2	TA

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC.

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
SPECIAL INSPECTIONS

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S003

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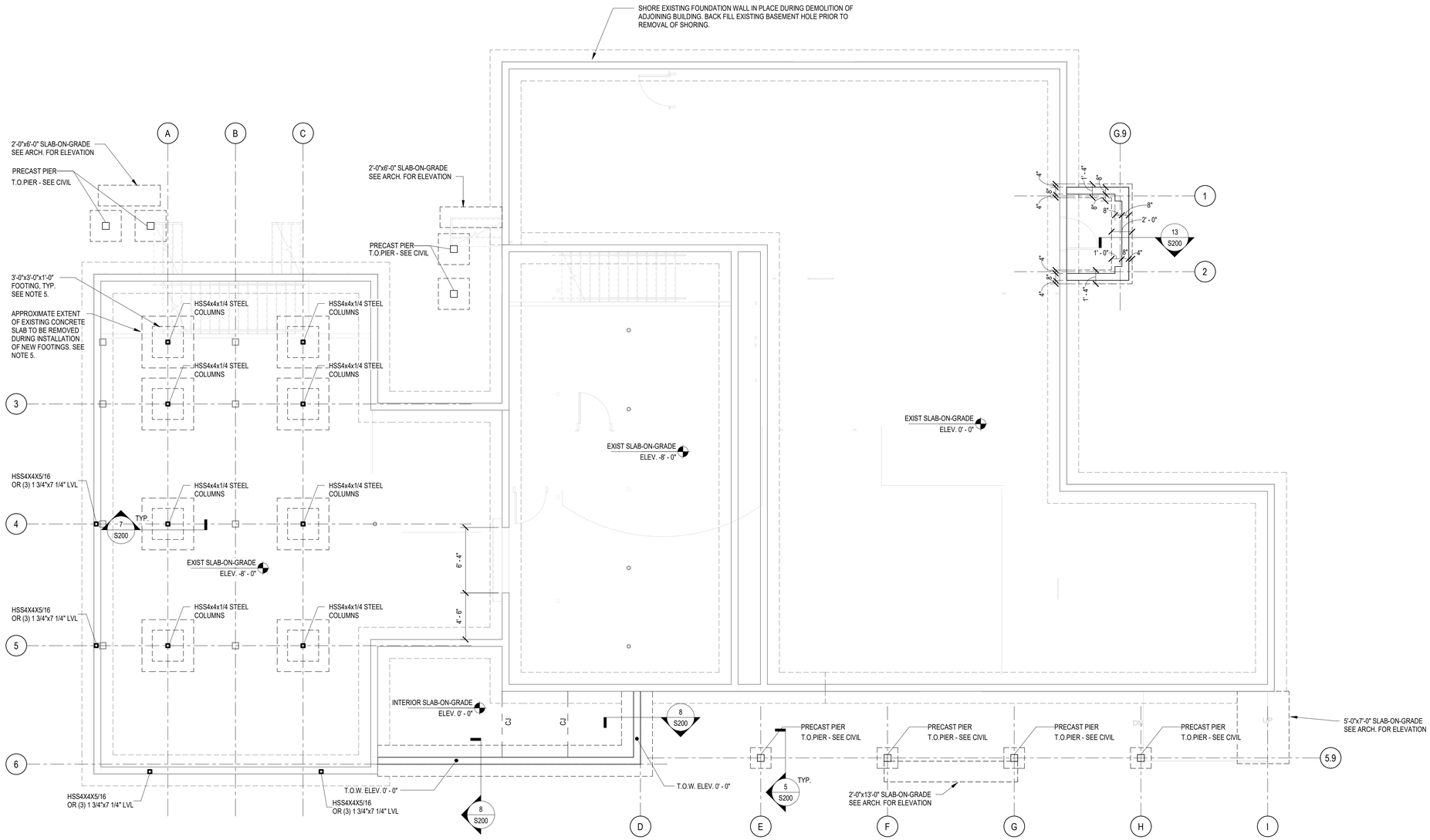

1 FOUNDATION PLAN
3/16" = 1'-0"

NOTES:

1. ELEVATIONS SHOWN REFERENCE TOP OF EXISTING SLAB ELEVATION AT THE MAIN LEVEL = 0'-0". VERIFY AND COORDINATE ALL ELEVATIONS PRIOR TO CONSTRUCTION.
2. (XX'-XX") INDICATES TOP OF FOOTING ELEVATION.
3. "F#" DENOTES SPREAD FOOTING. SEE FOOTING SCHEDULE FOR SIZE AND REINFORCING.
4. (XX'-XX") INDICATES TOP OF PIER ELEVATION.
5. AT NEW INTERIOR FOOTINGS, SAWCUT AND REMOVE EXISTING SLAB. SEE 7/S200 FOR DETAILS.

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
FOUNDATION PLAN

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S100

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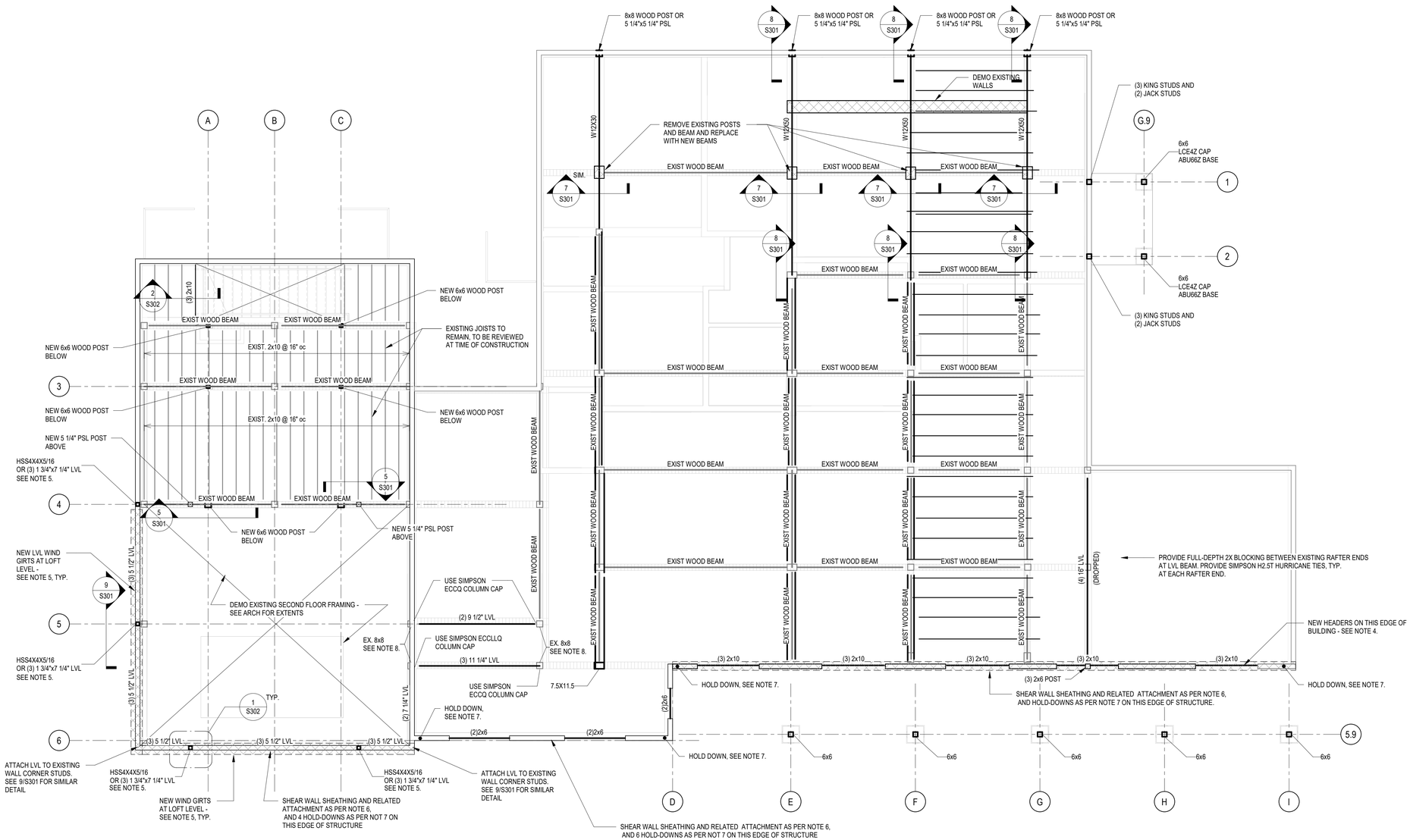

1 SECOND FLOOR FRAMING PLAN
3/16" = 1'-0"

NOTES:

1. EXISTING FLOOR JOISTS THAT HAVE NOTCHES AND HOLES THAT DO NOT MEET CODE WILL REQUIRE PLUMBING AND ELECTRICAL RERUN AND REINFORCING. AT EXISTING JOISTS THAT DO NOT MEET REQUIREMENTS REINFORCE EXISTING JOIST BY SISTERING NEW 2x12 JOIST FULL LENGTH OF SPAN.
2. ELEVATIONS SHOWN REFERENCE TOP OF EXISTING SLAB ELEVATION AT THE MAIN LEVEL = 0'-0". VERIFY AND COORDINATE ALL ELEVATIONS PRIOR TO CONSTRUCTION.
3. TOP OF EXISTING SUBFLOOR ELEVATION = 0' - 0".
4. (3) 2X10 HEADERS, WITH (2) JACK STUDS AND (2) KING STUDS, TYP. PROVIDE (2) JACK STUDS AND (2) KING STUDS AT EACH END OF EACH HEADER, TYP.
5. PROVIDE STEEL DOUBLE ANGLE CONNECTORS WITH THROUGH-BOLT ATTACHMENT OF WIND GIRT ENDS TO POSTS, TYP. ATTACH WIND GIRTS TO LOFT WALL FRAMING WITH (4) SIMPSON SDS SCREWS PER EXISTING STUD, TYP.
6. 1/2" STRUCTURAL I SHEATHING ATTACHED DIRECTLY TO STUDS WITH AS FOLLOWS:
   A. PANEL EDGE FASTENING: 8d COMMON NAILS @ 4" o.c.
   B. PANEL FASTENING TO STUDS: 8d COMMON NAILS @ 6" o.c.
   PROVIDE 2X4 BLOCKING AT SHEATHING PANEL EDGES, TYP.
7. HOLD-DOWN AND RELATED ANCHORAGE: SIMPSON HDU8-SDS2.5 HOLD-DOWN W. 7/8" DIA. THREADED ROD ANCHOR EMBEDDED 15" INTO CONCRETE W. HILTI HY-200 EPOXY.
8. VERIFY EXISTING POST SIZE. IF EXISTING POST DOES NOT EXIST, ADD NEW 8x8 POST TYPICAL.

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

STATE OF NEW HAMPSHIRE
JUSTIN P. STETSON
No. 13866
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
SECOND FLOOR FRAMING PLAN

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S102

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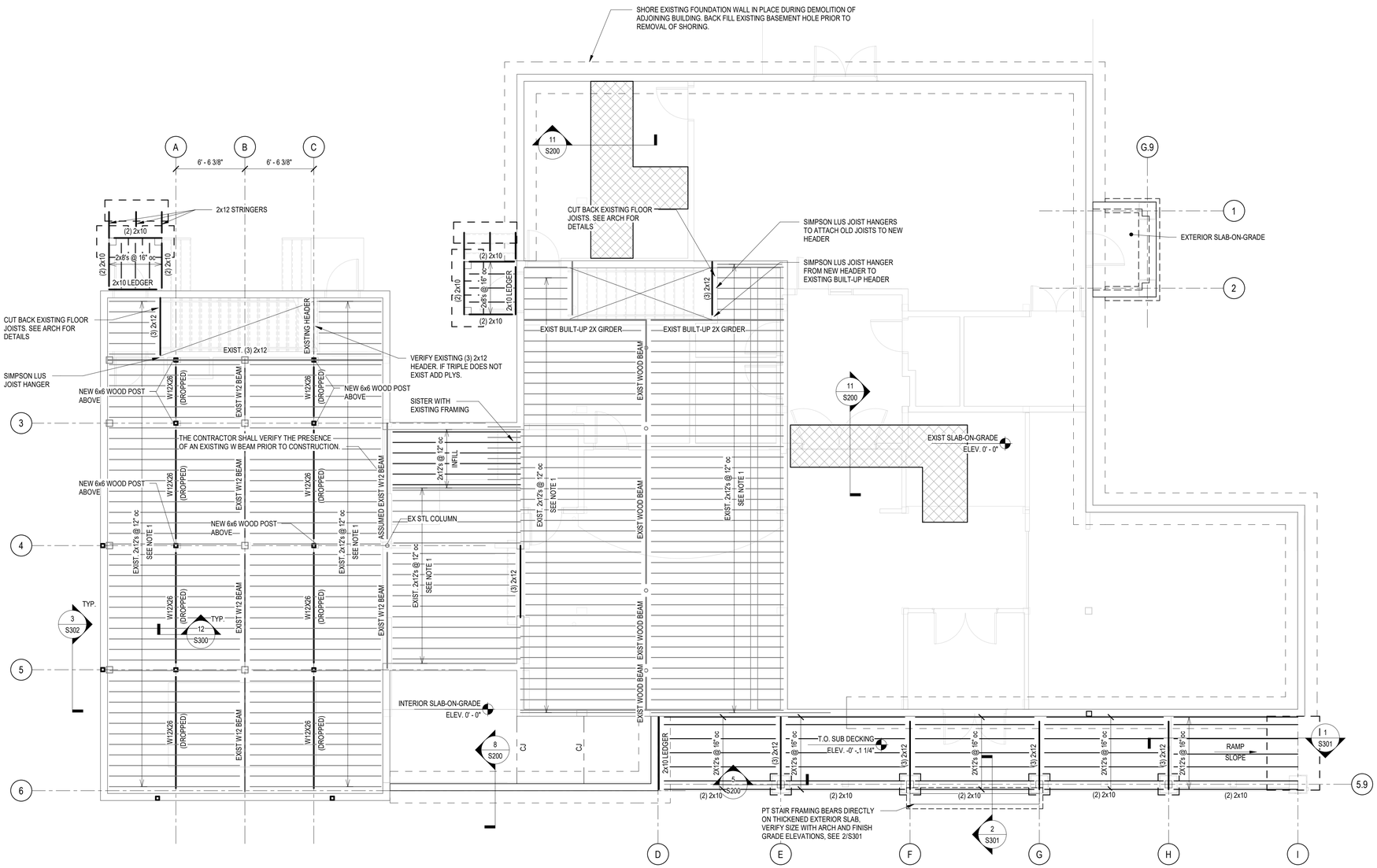

1 FIRST FLOOR FRAMING PLAN
3/16" = 1'-0"

NOTES:

1. EXISTING FLOOR JOISTS THAT HAVE NOTCHES AND HOLES THAT DO NOT MEET CODE WILL REQUIRE PLUMBING AND ELECTRICAL RERUN AND REINFORCING. AT EXISTING JOISTS THAT DO NOT MEET REQUIREMENTS REINFORCE EXISTING JOIST BY SISTERING NEW 2x12 JOIST FULL LENGTH OF SPAN.
2. ELEVATIONS SHOWN REFERENCE TOP OF EXISTING SLAB ELEVATION AT THE MAIN LEVEL = 0'-0". VERIFY AND COORDINATE ALL ELEVATIONS PRIOR TO CONSTRUCTION.
3. TOP OF EXISTING SUBFLOOR ELEVATION = 0' - 0".
4. (3) 2X10 HEADERS, WITH (2) JACK STUDS AND (2) KING STUDS, TYP. PROVIDE (2) JACK STUDS AND (2) KING STUDS AT EACH END OF EACH HEADER, TYP.
5. PROVIDE STEEL DOUBLE ANGLE CONNECTORS WITH THROUGH-BOLT ATTACHMENT OF WIND GIRT ENDS TO POSTS, TYP. ATTACH WIND GIRTS TO LOFT WALL FRAMING WITH (4) SIMPSON SDS SCREWS PER EXISTING STUD, TYP.
6. 1/2" STRUCTURAL I SHEATHING ATTACHED DIRECTLY TO STUDS WITH AS FOLLOWS:
   A. PANEL EDGE FASTENING: 8d COMMON NAILS @ 4" o.c.
   B. PANEL FASTENING TO STUDS: 8d COMMON NAILS @ 6" o.c.
   PROVIDE 2X4 BLOCKING AT SHEATHING PANEL EDGES, TYP.
7. HOLD-DOWN AND RELATED ANCHORAGE: SIMPSON HDU8-SDS2.5 HOLD-DOWN W. 7/8" DIA. THREADED ROD ANCHOR EMBEDDED 15" INTO CONCRETE W. HILTI HY-200 EPOXY.
8. VERIFY EXISTING POST SIZE. IF EXISTING POST DOES NOT EXIST, ADD NEW 8x8 POST TYPICAL.

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REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
FIRST FLOOR FRAMING PLAN

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S101

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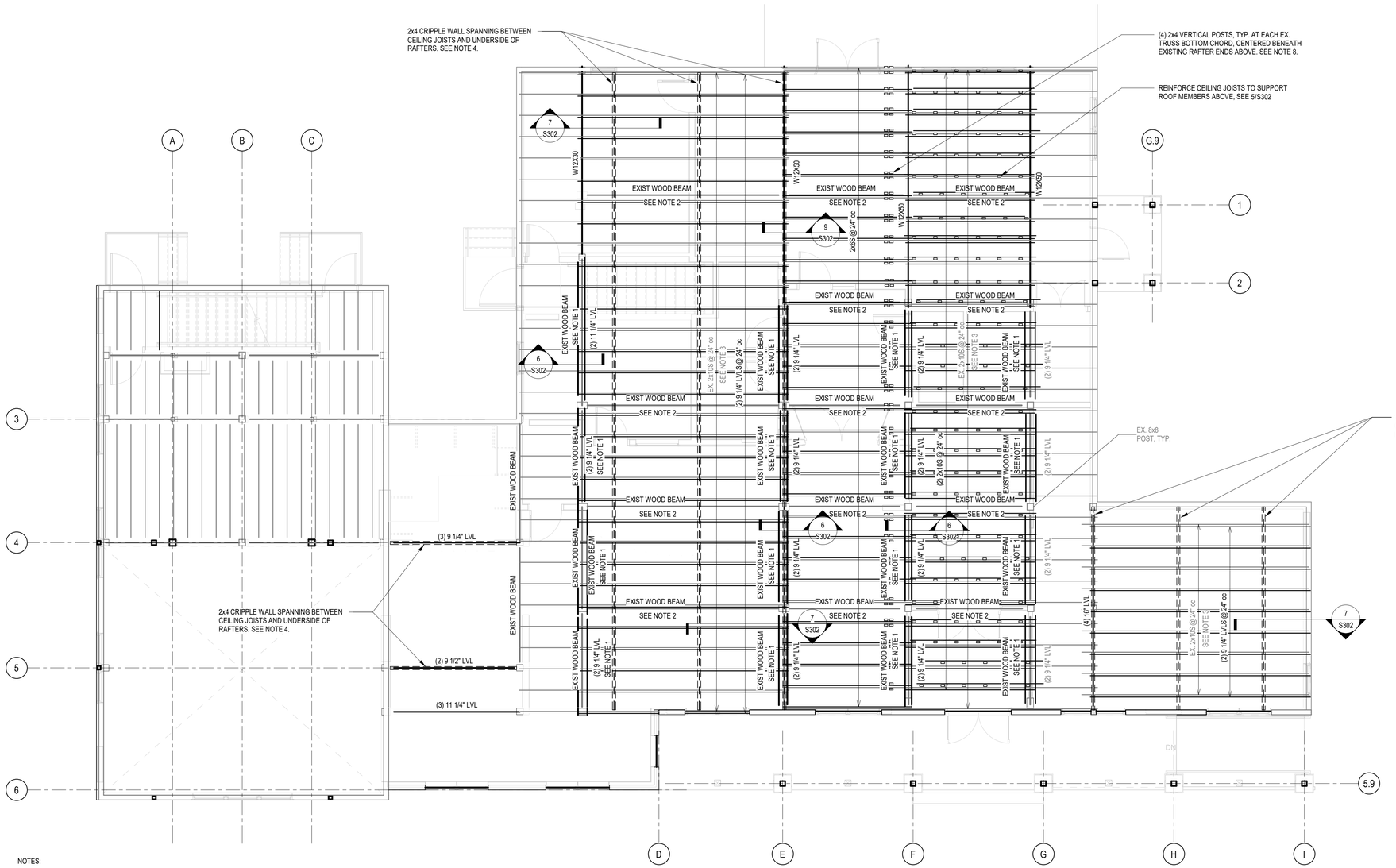

NOTES:

1. EXISTING 7 3/4"X9" TIMBER BEAM.
2. TIMBER BEAM SUPPORTING ARCHITECTURAL CEILING ASSEMBLY (NON-LOAD BEARING).
3. EXISTING CEILING JOISTS SUPPORTING 2X CRIPPLE WALLS.
4. FULL-DEPTH 2X BLOCKING REQUIRED BETWEEN EXISTING CEILING JOISTS AND RAFTERS, CENTERED ON CRIPPLE WALLS FOR CEILING JOIST AND RAFTER STABILITY.
5. PROVIDE A CONTINUOUS LOAD PATH FOR POSTS DOWN TO THE FOUNDATION, TYP.
6. SEE ARCH FOR TOP OF WALL ELEVATIONS, FLOOR FINISH ELEVATIONS AND TOP OF SUBFLOOR.
7. SEE GENERAL NOTES FOR ROOF, FLOOR, AND WALL SHEATHING.
8. ATTACH EACH END OF EACH 2X4 VERTICAL POST MEMBER TO STRUCTURE W/ (2) 1/4" Ø X 3" LG SIMPSON SDS SCREWS, TYP. PRE-DRILL HOLES FOR SCREWS TO MITIGATE WOOD SPLITTING, TYP.

1 PARTIAL FIRST FLOOR CEILING FRAMING PLAN
3/16" = 1'-0"

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

STATE OF NEW HAMPSHIRE - STETSON - No. 13866 - LICENSED PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
EXISTING CEILING PLAN

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S102A

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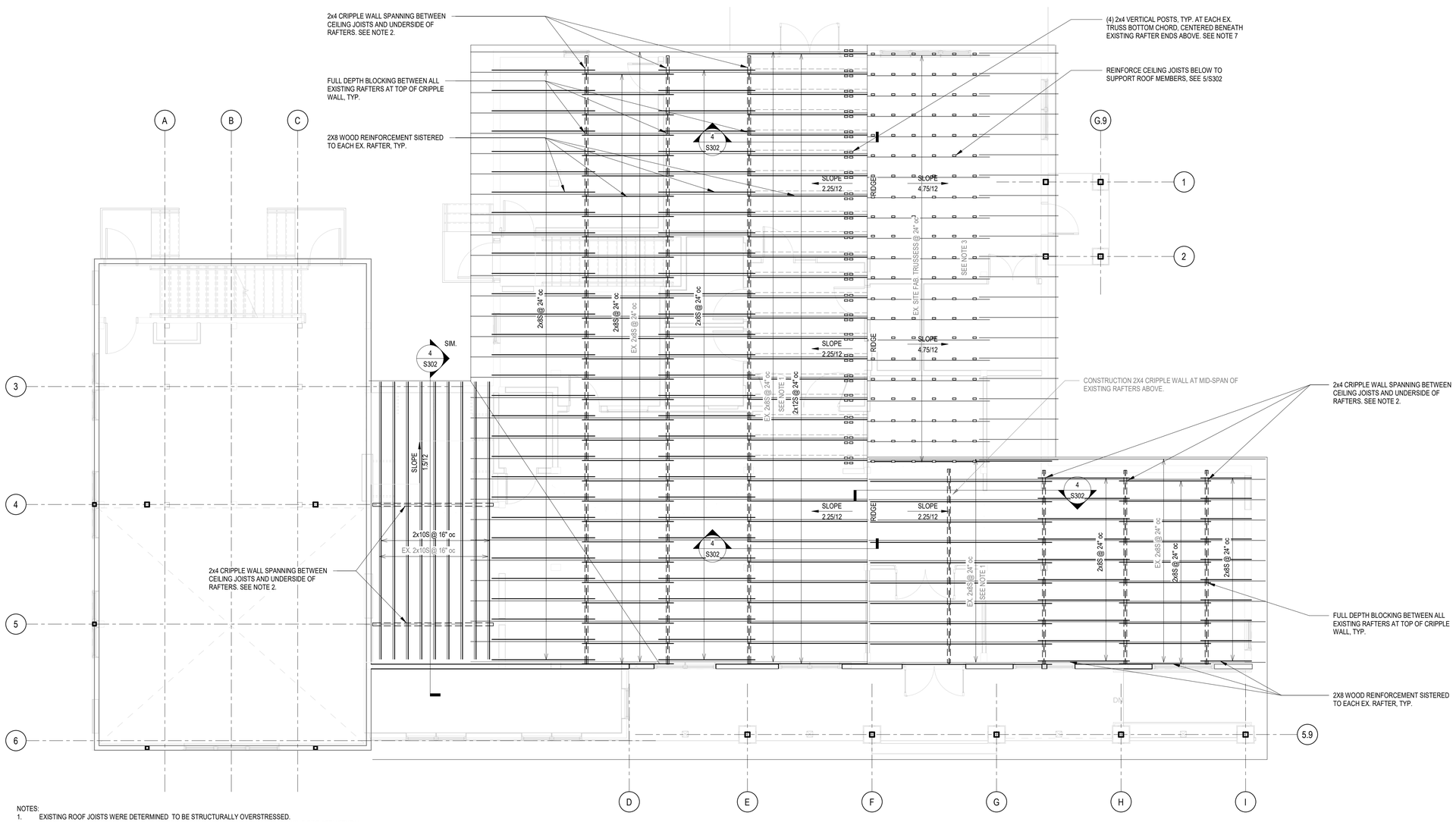

NOTES:

1. EXISTING ROOF JOISTS WERE DETERMINED TO BE STRUCTURALLY OVERSTRESSED.
2. EXISTING 2X WOOD CRIPPLE WALLS TO BE REINFORCED WITH BLOCKING AND SHEATHING FOR STRUCTURAL STABILITY:
   - A. FULL-DEPTH BLOCKING BETWEEN WALL STUDS AT 4'-0" oc VERTICAL SPACING, UNLESS NOTED OTHERWISE (U.N.O.)
   - B. CRIPPLE WALL SHEATHING SHALL BE 15/32" STRUCTURAL I SHEATHING, FASTENED TO FRAMING WITH SHEAR WALL FASTENING, U.N.O.:
     - a. 8d COMMON NAILS @ 6" oc AT ALL PANEL EDGE
     - b. 8d COMMON NAILS @ 12" FIELD FASTENING
3. TRUSSES DO NOT HAVE ADEQUATE CAPACITY. MODIFY TRUSSES TO SERVE AS BEARING WALLS, FOR DISTRIBUTION OF STRUCTURAL ROOF LOADS ONTO REINFORCED BEAMS BELOW.
4. PROVIDE A CONTINUOUS LOAD PATH FOR POSTS DOWN TO THE FOUNDATION, TYP.
5. SEE ARCH FOR TOP OF WALL ELEVATIONS, FLOOR FINISH ELEVATIONS AND TOP OF SUBFLOOR.
6. SEE GENERAL NOTES FOR ROOF, FLOOR, AND WALL SHEATHING.
7. ATTACH EACH END OF EACH 2X4 VERTICAL POST MEMBER TO STRUCTURE W/ (2) 1/4" ø X 3" LG SIMPSON SDS SCREWS, TYP. PRE-DRILL HOLES FOR SCREWS TO MITIGATE WOOD SPLITTING, TYP.

1 LOW ROOF FRAMING PLAN
3/16" = 1'-0"

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STATE OF NEW HAMPSHIRE - JAMES P. STETSON No. 13866 LICENSED PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
LOW ROOF FRAMING PLAN

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S102B

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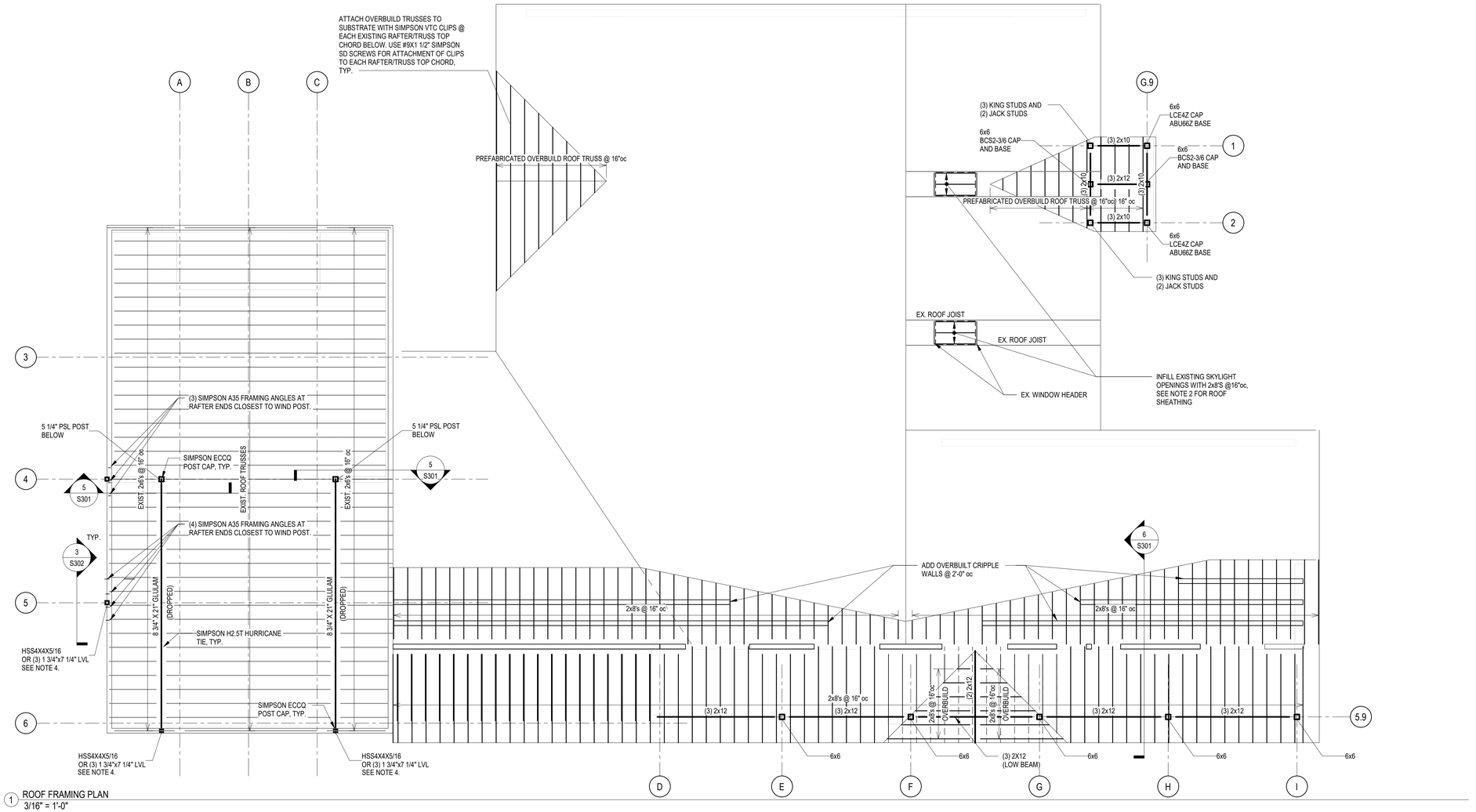

1 ROOF FRAMING PLAN
3/16" = 1'-0"

NOTES:

1. ELEVATIONS SHOWN REFERENCE TOP OF EXISTING SLAB ELEVATION AT THE MAIN LEVEL = 0'-0". VERIFY AND COORDINATE ALL ELEVATIONS PRIOR TO CONSTRUCTION.
2. ROOF SHEATHING SHALL BE 5/8" STRUCTURAL I. PLACE LONG DIMENSION OF SHEET PERPENDICULAR TO SUPPORTS AND STAGGER JOINTS.
3. "BW#" INDICATES BEARING WALL. SEE BEARING WALL SCHEDULE FOR INFORMATION.
4. POST SHALL EXTEND TO TOP OF FOUNDATION WALL. PROVIDE STEEL PLATE CONNECTOR W. (4) 5/8" DIA. THREADED ROD ANCHORS EMBEDDED 4" INTO CONCRETE W. HILTI HY-200 EPOXY.

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KEY PLAN & NORTH ARROW:

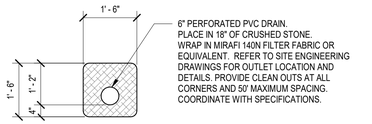
PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

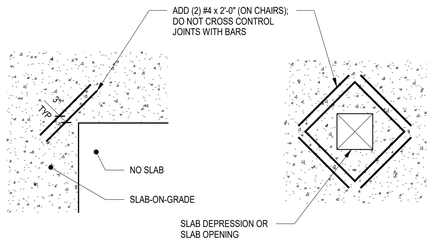
DRAWING TITLE:
ROOF FRAMING PLAN

PROJECT NO: 23462 | DATE: 6/24/24

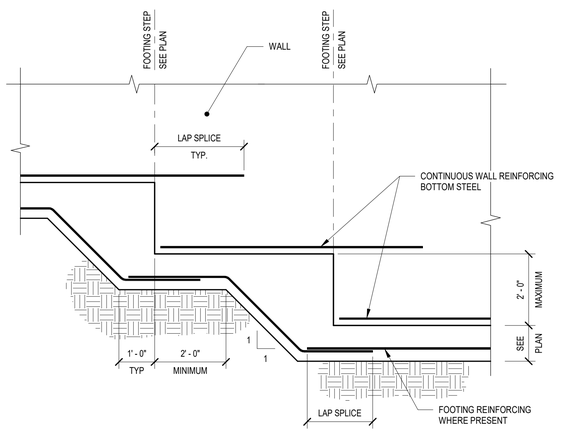
SHEET NUMBER:
S103



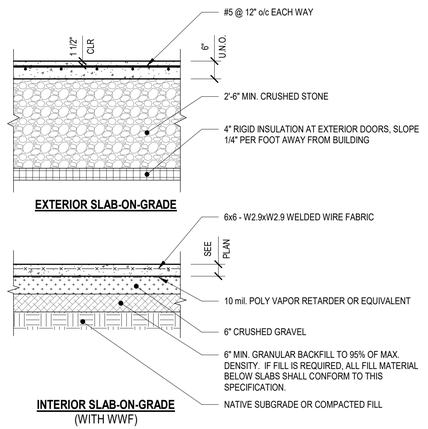
1 TYPICAL FOOTING DRAIN
1/2" = 1'-0"



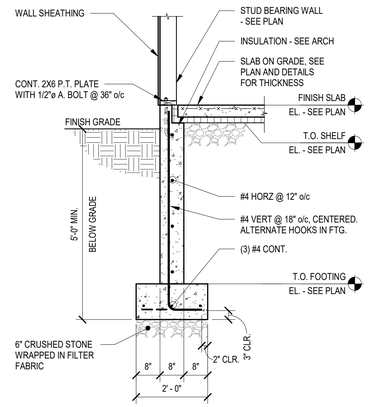
2 TYPICAL RE-ENTRANT CORNERS AT SLAB-ON-GRADE
1/2" = 1'-0"



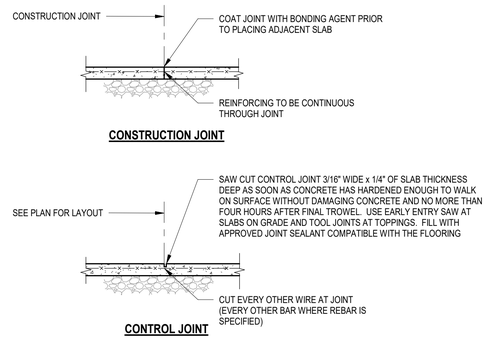
3 TYPICAL FOOTING STEP
1/2" = 1'-0"



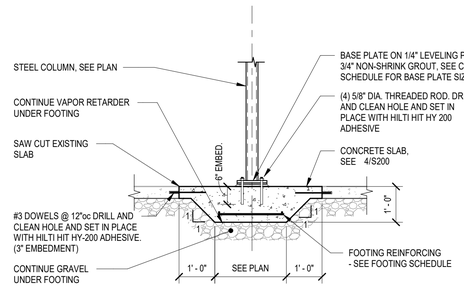
4 TYPICAL SLAB-ON-GRADE SECTIONS
1/2" = 1'-0"



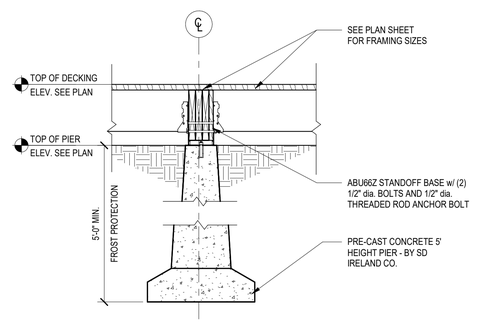
8 TYPICAL FROST WALL
1/2" = 1'-0"



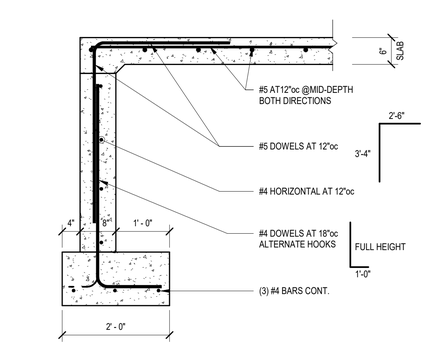
6 TYPICAL SLAB-ON-GRADE JOINTS
1/2" = 1'-0"



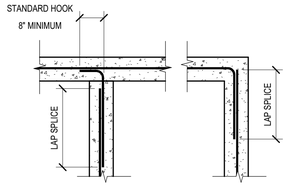
TYPICAL THICKENED SLAB AT INTERIOR SPREAD FOOTING
7 1/2" = 1'-0"



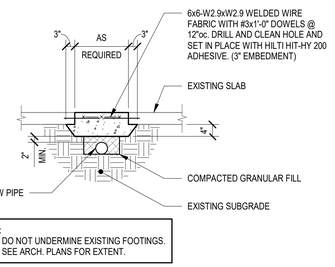
5 TYPICAL EXTERIOR PIER AND FOOTING
3/4" = 1'-0"



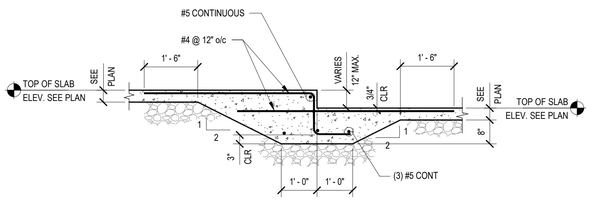
13 FOUNDATION AT NEW SLAB-ON-GRADE
3/4" = 1'-0"



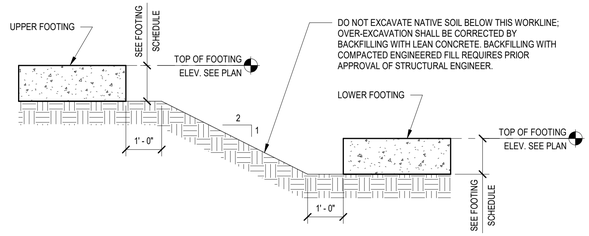
10 TYPICAL WALL CORNER REINFORCING
1/2" = 1'-0"



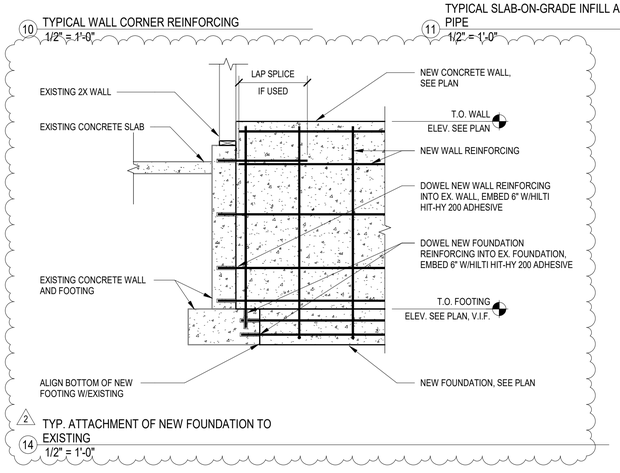
TYPICAL SLAB-ON-GRADE INFILL AT NEW BURIED PIPE
11 1/2" = 1'-0"



12 TYPICAL STEP AT SLAB-ON-GRADE
1/2" = 1'-0"



9 TYPICAL EXCAVATION AT ADJACENT FOOTING
1/2" = 1'-0"



2 TYP. ATTACHMENT OF NEW FOUNDATION TO EXISTING
14 1/2" = 1'-0"

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PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S200

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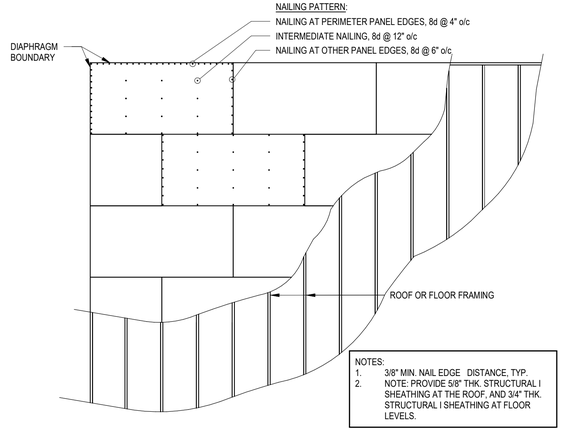
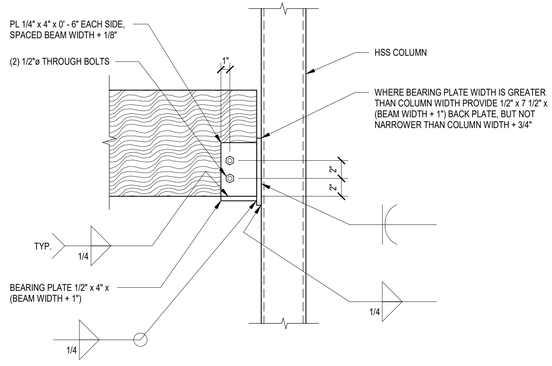
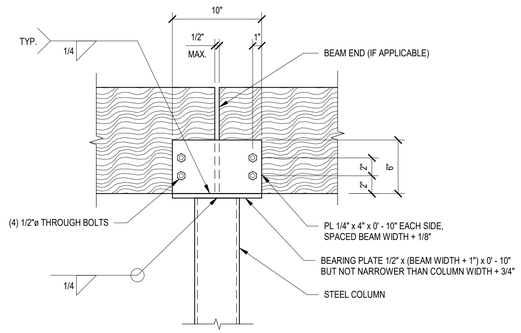


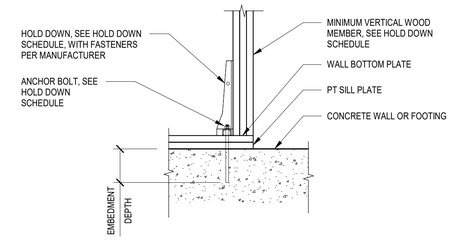
1 TYPICAL LAYOUT AND NAILING FOR FLOOR AND ROOF SHEATHING
3/4" = 1'-0"



2 TYPICAL SADDLE FOR WOOD BEAM AT STEEL COLUMN
1 1/2" = 1'-0"



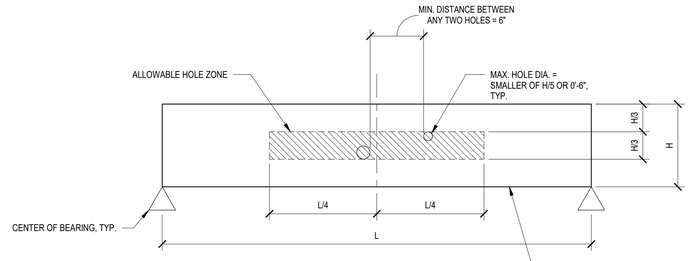
3 TYPICAL STEEL COLUMN CAP AT WOOD BEAM
1 1/2" = 1'-0"

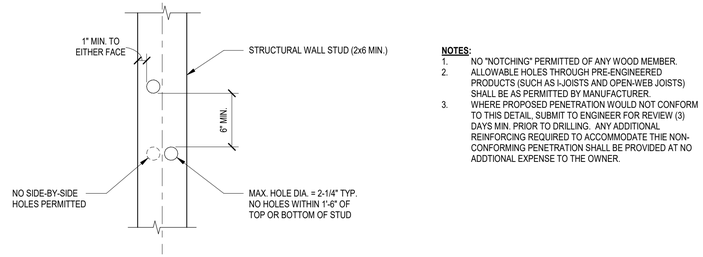


4 TYPICAL SHEAR WALL HOLD DOWN
3/4" = 1'-0"

5 TYPICAL WOOD WALL INTERSECTIONS
3/4" = 1'-0"

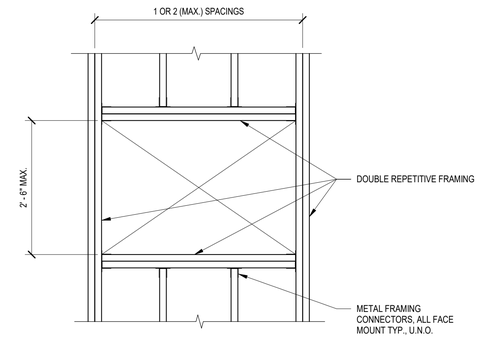
6 TYPICAL JOIST AT PERIMETER WALLS
3/4" = 1'-0"



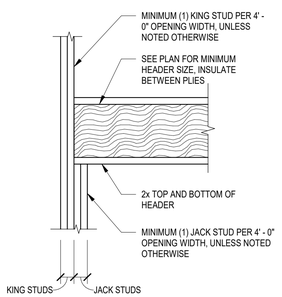


NOTES:
1. NO "NOTCHING" PERMITTED OF ANY WOOD MEMBER.
2. ALLOWABLE HOLES THROUGH PRE-ENGINEERED PRODUCTS (SUCH AS I-JOISTS AND OPEN-WEB JOISTS) SHALL BE AS PERMITTED BY MANUFACTURER.
3. WHERE PROPOSED PENETRATION WOULD NOT CONFORM TO THIS DETAIL, SUBMIT TO ENGINEER FOR REVIEW. (3) DAYS MIN. PRIOR TO DRILLING. ANY ADDITIONAL REINFORCING REQUIRED TO ACCOMMODATE THIE NON-CONFORMING PENETRATION SHALL BE PROVIDED AT NO ADDTIONAL EXPENSE TO THE OWNER.

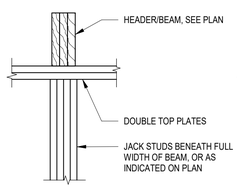
7 TYPICAL ALLOWABLE HOLES THROUGH WOOD MEMBERS
1 1/2" = 1'-0"



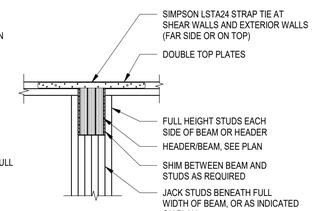
8 TYPICAL OPENING FRAMING AT INTERRUPTED REPETITIVE FRAMING
3/4" = 1'-0"

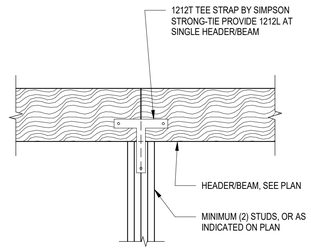


9 TYPICAL WOOD HEADER AT WALL OPENING
3/4" = 1'-0"

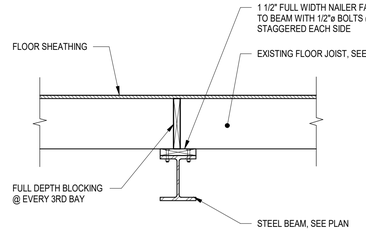


10 TYPICAL WOOD BEAM BEARING PERPENDICULAR TO WALL
3/4" = 1'-0"





11 TYPICAL WOOD BEAM/HEADER
3/4" = 1'-0"



12 TYPICAL WOOD I-JOIST TO STEEL BEAM CONNECTION
3/4" = 1'-0"

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PROJECT NO: 23462 DATE: 6/24/24

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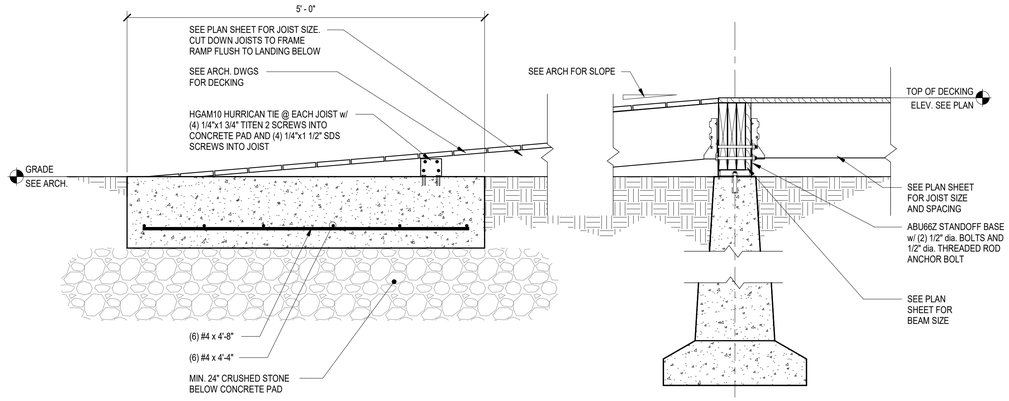
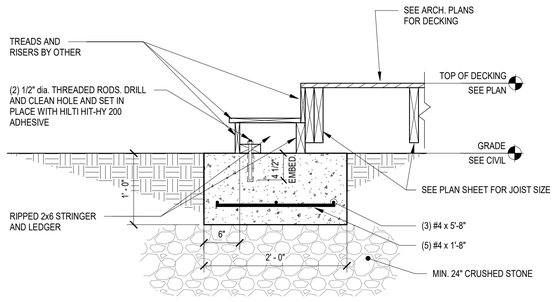
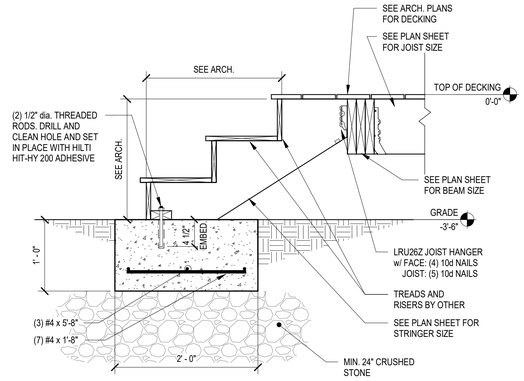


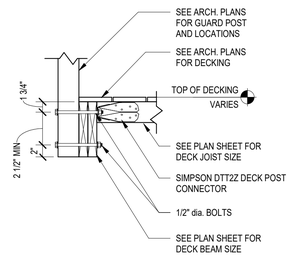
1 SECTION
1" = 1'-0"



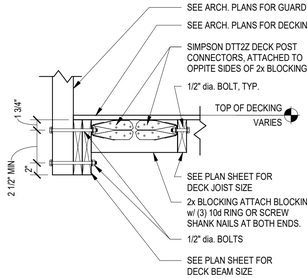
2 SECTION
1" = 1'-0"



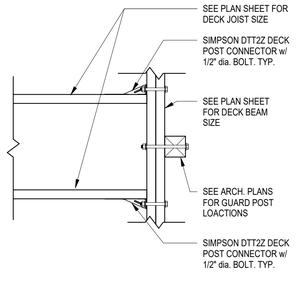
3 SECTION
1" = 1'-0"



HANDRAIL POST ATTACHMENT PARALLEL TO JOISTS



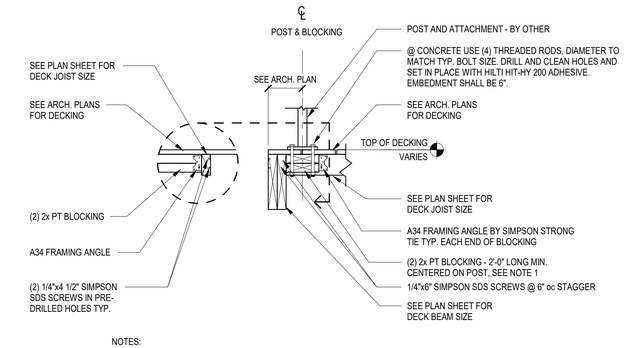
HANDRAIL POST ATTACHMENT PERPENDICULAR TO JOISTS



HANDRAIL POST ATTACHMENT BETWEEN JOISTS

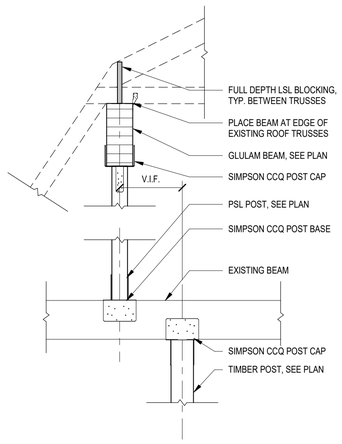
NOTES:
1. THE CONTRACTOR SHALL COORDINATE HANDRAIL POST ORIENTATION AND LOCATION WITH ARCHITECTURAL DOCUMENTS PRIOR TO CONSTRUCTION.

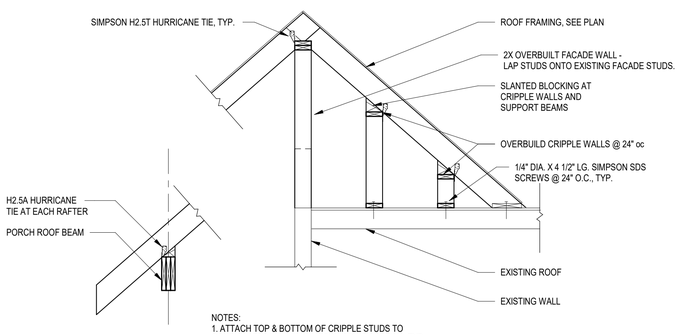
4 TYPICAL RAILING POST ATTACHMENT
1" = 1'-0"



NOTES:
1. THE CONTRACTOR SHALL COORDINATE THE WIDTH OF BLOCKING WITH THE ARCHITECT PRIOR TO CONSTRUCTION.

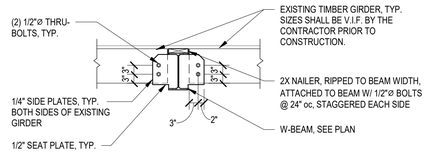
5 SECTION
1/2" = 1'-0"





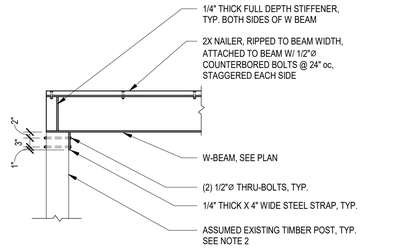
NOTES:
1. ATTACH TOP & BOTTOM OF CRIPPLE STUDS TO CONT. PLATES W. 4 1/2" SIMPSON SDWC SCREWS, TYP.

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



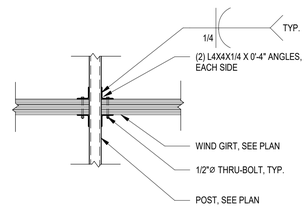
NOTES:
1. PROVIDE 1/4" FILLET WELDS BOTH SIDES OF ALL PLATES, ALL EDGES IN CONTACT W/BEAM AND OTHER PLATES.

7 W-BEAM FRAMING TO EX. BEAM
1/2" = 1'-0"



NOTES:
1. PROVIDE 1/4" FILLET WELDS BOTH SIDES OF ALL PLATES, ALL EDGES IN CONTACT W/BEAM AND OTHER PLATES.
2. PROVIDE BUILT-UP 2X POST BENEATH W BEAM END AT LOCATIONS WHERE THERE IS NOT AN EXISTING POST, SIMILAR TO DETAIL 10/S300

8 W-BEAM FRAMING TO EX. POST
1/2" = 1'-0"



9 WIND GIRT FRAMING
1/2" = 1'-0"

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STATE OF NEW HAMPSHIRE - MICHAEL E. STETSON No. 13866 LICENSED PROFESSIONAL ENGINEER

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S301

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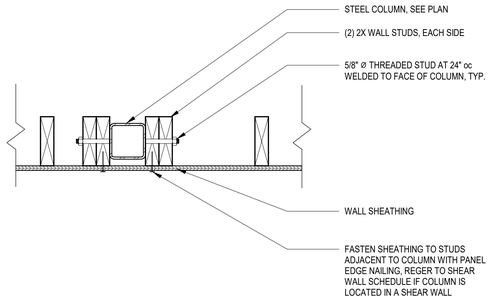
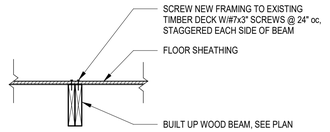
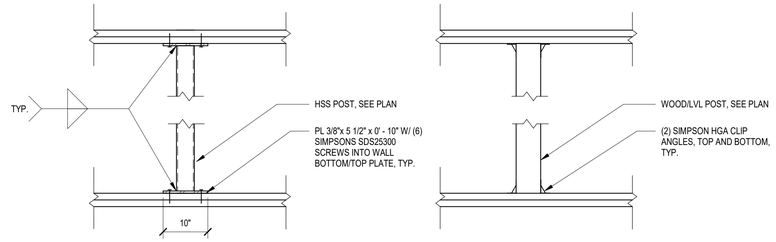


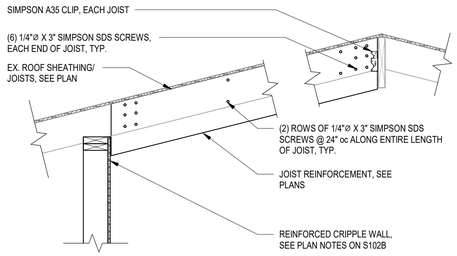
1 TYP. POSTS IN WOOD WALLS
1 1/2" = 1'-0"



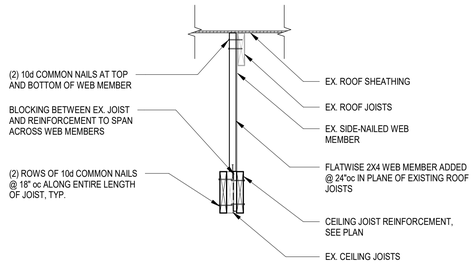
2 ATTACHING NEW BEAM TO FLOOR SHEATHING
3/4" = 1'-0"



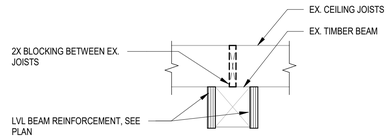
3 WIND POST FRAMING
3/4" = 1'-0"



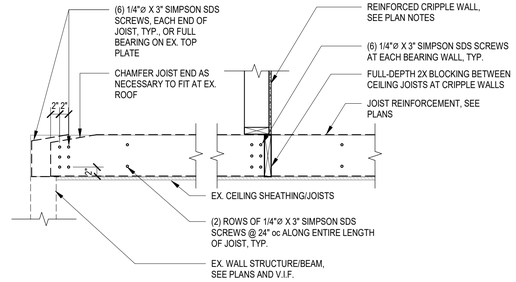
4 TYPICAL DETAIL
3/4" = 1'-0"



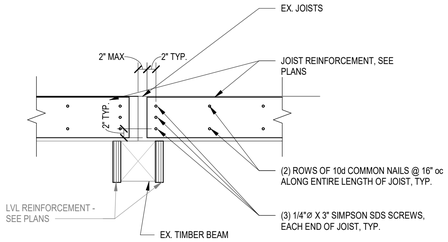
5 TYPICAL DETAIL
3/4" = 1'-0"



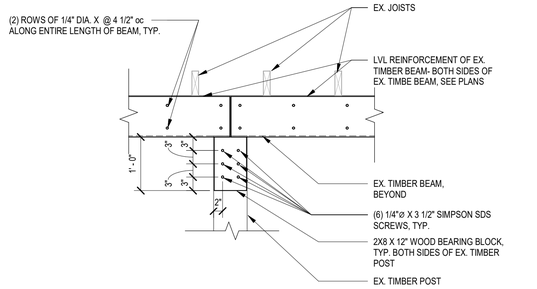
6 TYPICAL DETAIL
3/4" = 1'-0"



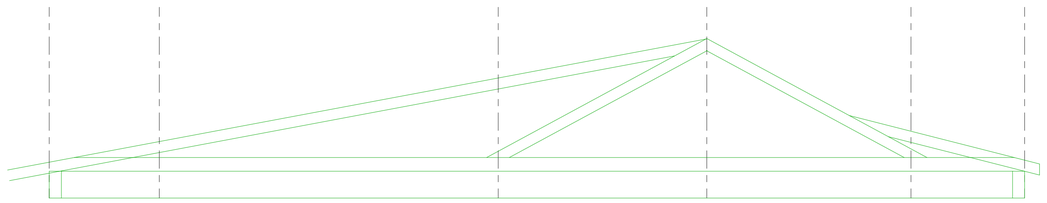
7 TYPICAL DETAIL
3/4" = 1'-0"



9 TYPICAL DETAIL
3/4" = 1'-0"



10 TYPICAL DETAIL
3/4" = 1'-0"



8 EXISTING ROOF FRAMING ELEVATION, FOR REFERENCE
1/4" = 1'-0"

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

REVISION	DATE	COMMENTS
1	2025-06-30	COORDINATED UPDATES
2	2025-08-07	PERMIT REVIEW COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
FRAMING DETAILS

PROJECT NO: 23462 | DATE: 6/24/24

SHEET NUMBER:
S302

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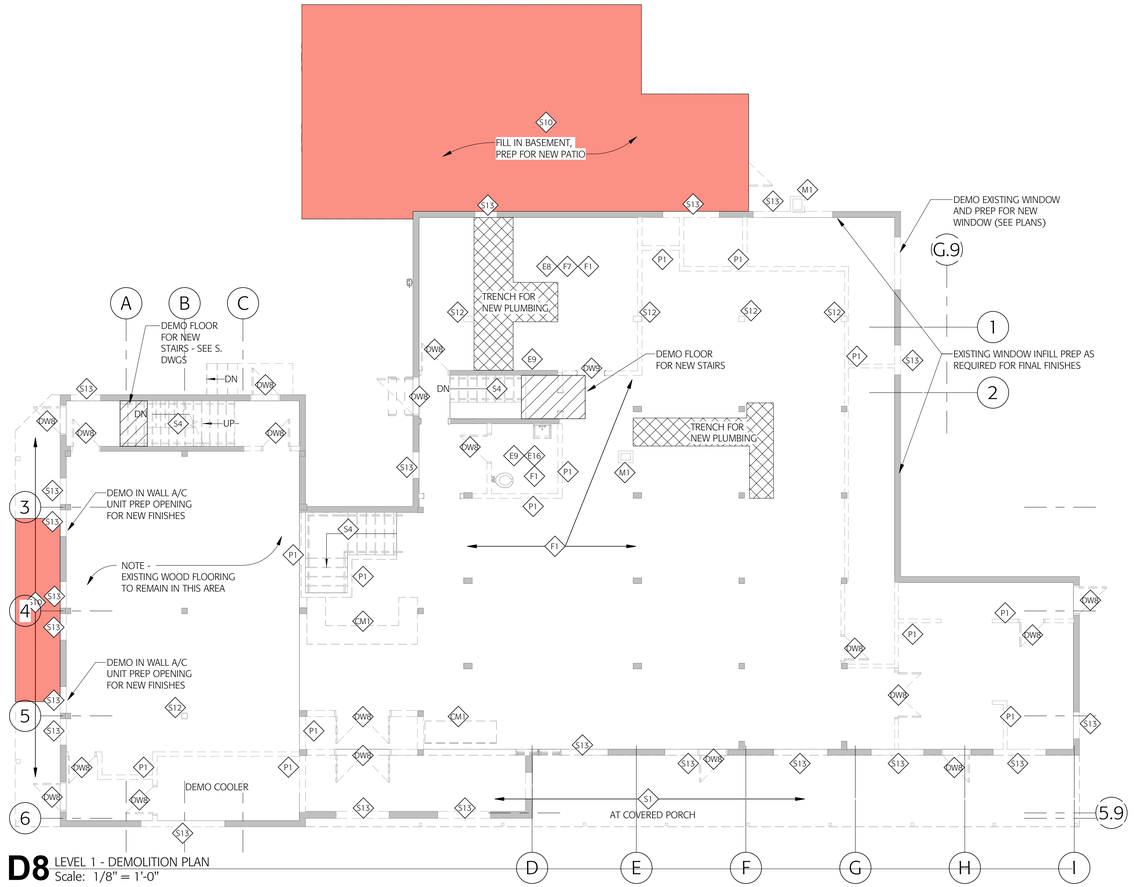
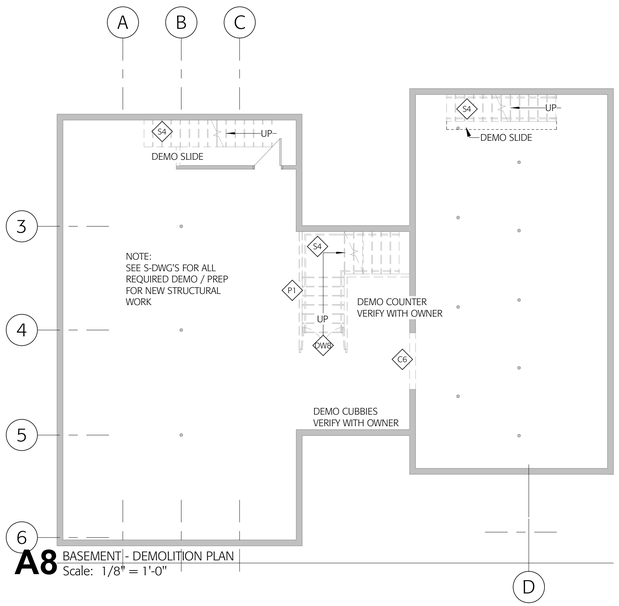
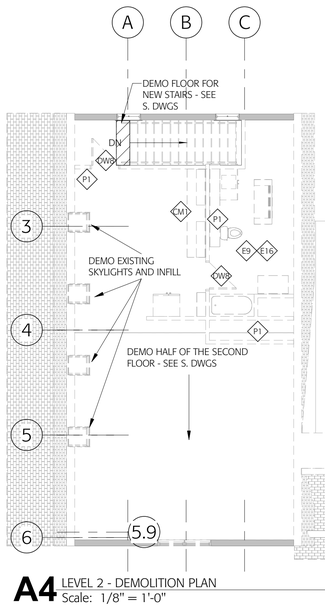


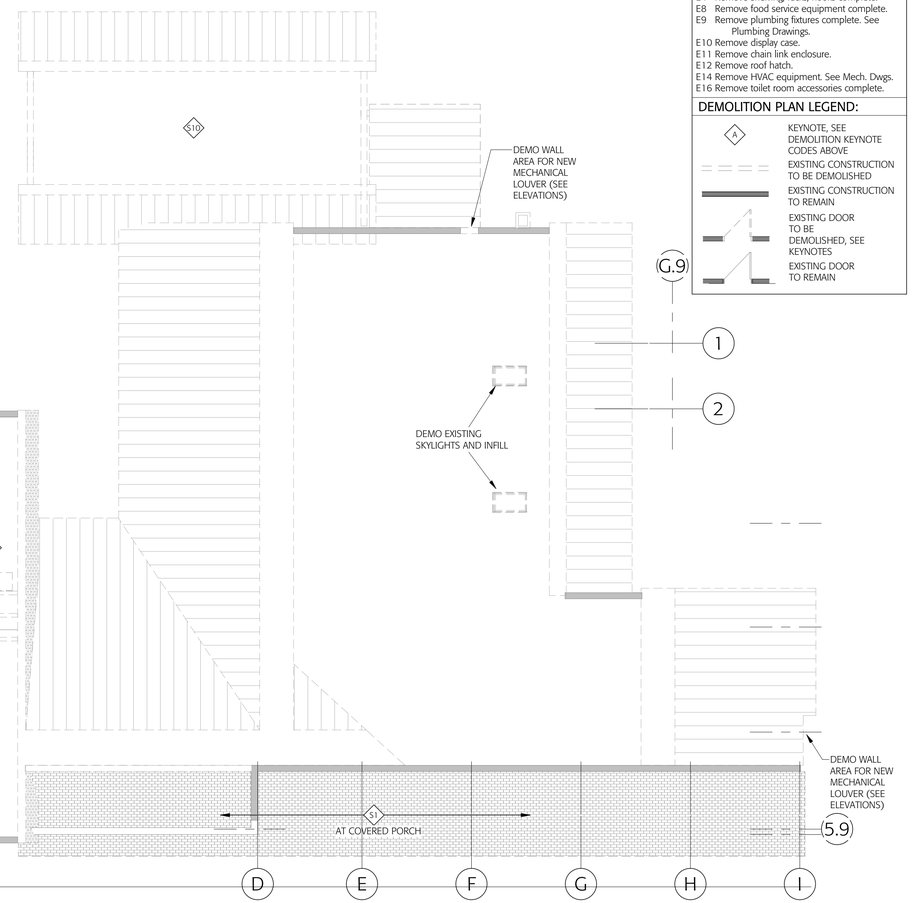
D8 LEVEL 1 - DEMOLITION PLAN
Scale: 1/8" = 1'-0"



A8 BASEMENT - DEMOLITION PLAN
Scale: 1/8" = 1'-0"



A4 LEVEL 2 - DEMOLITION PLAN
Scale: 1/8" = 1'-0"



NOTE:
SEE S-DWG'S FOR ALL AREAS OF NEW STRUCTURE, AND DEMO AS REQUIRED TO INSTALL
(TYPICAL AT ALL FLOORS AND ATTIC)

GENERAL DEMO PLAN

1. THE DEMOLITION PLANS AND/OR ELEVATIONS ILLUSTRATE THE CONCEPT OF ARCHITECTURAL DEMOLITION. THEY ARE NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL DEMOLITION WORK REQUIRED. ALL OF THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED WHEN DETERMINING THE SCOPE OF DEMOLITION FOR THE PROJECT. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO REQUIRE DEMOLITION OF ALL THE BUILDING ELEMENTS AS NECESSARY FOR THE INSTALLATION OF WORK REQUIRED BY THE SCOPE OF THIS PROJECT.
2. DASHED LINES GENERALLY REPRESENT ITEMS TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXACT EXTENT AND DETAIL OF REQUIRED DEMOLITION.
3. REMOVE PARTITIONS TO STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED
4. REMOVE DOORS AND ASSOCIATED FRAMES, HARDWARE, THRESHOLDS, SIDELIGHTS, AND TRANSOMS WHERE INDICATED, UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR FURRED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
7. REMOVE ALL FINISH FLOORING COMPLETE, UON - PREP FOR NEW FINISH FLOORING

DEMO PLAN

CONCRETE
C1 Remove portions of slab and fills for new footings or utilities.
C6 Remove portion of concrete wall for new opng.

MASONRY
M1 Remove chimney

STRUCTURE
S1 Remove ceiling, roof beams, joists, decking, roof insulation, roofing complete.
S3 Remove wood beams, decking, roof insulation, roofing complete.
S4 Remove stairs, landings railings complete.
S7 Remove portions of roofing and deck as indicated in details.
S8 Remove roof insulation and roof deck.
S10 Remove structure complete this area; including foundation, slabs, structure, roof and walls.
S12 Remove Columns
S13 Demo existing exterior wall as required for new windows and doors as shown on plans

PARTITIONS
P1 Remove stud and gypsum board partition.
P2 Remove gypsum board soffit complete.
P3 Remove portion of partition for new opening.

DOORS AND WINDOWS
DW1 Remove existing window(s) complete.
DW2 Remove door and hardware only (existing frame to remain).
DW7 Remove louvers complete.
DW8 Remove door and frame.
DW9 Remove door opening

FLOORING AND FINISH
F1 Remove VCT / vinyl sheet flooring.
F2 Remove carpeting, glue and base.
F3 Remove ceramic flooring complete.
F4 Remove base.
F5 Remove wood floor system complete.
F6 Remove ceramic wall tile complete.
F7 Remove wall panels complete.
F8 Remove wood wall panels complete.

CEILINGS
CL1 Remove acoustic ceiling system complete.
CL2 Remove drywall ceiling system complete.
CL3 Remove portions of drywall ceiling as required for work above ceiling.

CASEWORK AND MILLWORK
CM1 Remove cabinets, counters and plumbing fixtures. See Mechanical, Electrical and Plumbing Drawings.
CM2 Remove lavatory counter and supports.
CM3 Remove bookcases.
CM4 Remove countertop.

EQUIPMENT
E3 Remove display boards, window treatments, miscellaneous equipment complete.
E4 Remove shelving, racks, hooks complete.
E8 Remove food service equipment complete.
E9 Remove plumbing fixtures complete. See Plumbing Drawings.
E10 Remove display case.
E11 Remove chain link enclosure.
E12 Remove roof hatch.
E14 Remove HVAC equipment. See Mech. Dwgs.
E16 Remove toilet room accessories complete.

DEMOLITION PLAN LEGEND:

- A — KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE KEYNOTES
- EXISTING DOOR TO REMAIN

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LICENSED ARCHITECT
INGRID NICHOLS
NO. 2736
THE STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
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DRAWING TITLE:
DEMOLITION PLANS

PROJECT NO: 23-129 | DATE: 3/31/25

SHEET NUMBER:
AD101

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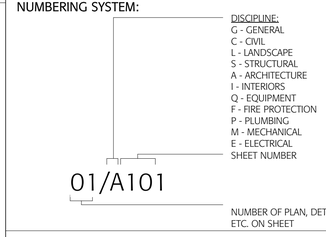
ABBREVIATIONS LIST

THE FOLLOWING TABLE OF ABBREVIATIONS IS FOR THE CONVENIENCE OF THE CONTRACTOR AND MAY NOT INCLUDE ALL ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROPTLY CONTACT THE ARCHITECT IF CLARIFICATIONS OR INTERPRETATION OF THESE OR ANY ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS IS REQUIRED.

A	A/C	AIR CONDITION
	A/C UNIT	AIR CONDITIONING UNIT
	A/E	ARCHITECT/ENGINEER
	AB	ANCHOR BOLT
	ABV	ABOVE
	ACC	ACCESSIBLE
	ACS DR	ACCESS DOOR
	ACS PNL	ACCESS PANEL
	ACT	ACOUSTICAL CEILING TILE
	ADA	AMERICANS WITH DISABILITIES ACT
	ADMIN	ADMINISTRATION
	AFC	ABOVE FINISHED COUNTER
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AFS	ABOVE FINISHED SLAB
	AGGR	AGGREGATE
	AHU	AIR HANDLING UNIT
	AIB	AIR INFILTRATION BARRIER
	ALT	ALTERNATE
	ALUM	ALUMINUM
	ANOD	ANODIZE
	APC	ACOUSTICAL PANEL CEILING
	APPROX	APPROXIMATE
	AR	AS REQUIRED
	ARCH	ARCHITECT
	ASC	ABOVE SUSPENDED CEILING
	ASSY	ASSEMBLY
	AVG	AVERAGE
	AW	ARCHITECTURAL WOODWORK
	AWP	ACOUSTICAL WALL PANEL
B	BALC	BALCONY
	BB	BASEBOARD
	BC	BOOKCASE
	BCS	BABY CHANGING STATION
	BD	BOARD
	BDRY	BOUNDARY
	BFF	BELOW FINISH FLOOR
	BHMA	BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION
	BIT	BITUMINOUS
	BLDG	BUILDING
	BLKG	BLOCKING
	BLT IN	BUILT-IN
	BN	BULLNOSE
	BO	BOTTOM OF
	BOS	BOTTOM OF STEEL
	BOT	BOTTOM
	BP	BUILDING PAPER
	BRKT	BRACKET
	BSMT	BASEMENT
	BTWN	BETWEEN
	BUR	BUILT-UP ROOFING
C	C CONC	CAST CONCRETE
	CAB	CABINET
	CATW	CATWALK
	CAV	CAVITY
	CBB	CEMENTITIOUS (BACKER) BOARD
	CD	CONSTRUCTION DOCUMENTS
	CM	CONSTRUCTION MANAGER
	CER	CERAMIC
	CF	CONTRACTOR FURNISHED
	CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
	CFE	CONTRACTOR FURNISHED EQUIPMENT
	CFLG	COUNTERFLASHING
	CFM	CUBIC FEET PER MINUTE
	CFMF	COLD-FORMED METAL FRAMING
	CFS	CUBIC FEET PER SECOND
	CG	CORNER GUARD
	CH	COAT HOOK
	CI	CAST IRON
	CIP	CAST-IN-PLACE
	CJ	CONTROL JOINT
	CL	CENTER LINE
	CLG	CEILING
	CLG DIFF	CEILING DIFFUSER
	CLG HT	CEILING HEIGHT
	CLL	COLUMN LINE
	CLR	CLEAR
	CLO	CLOSET
	CLR	COLOR
	CLRM	CLASSROOM
	CMU	CONCRETE MASONRY UNIT
	CNDS	CONDENSATE
	CDR	CARD READER
	CO	CLEANOUT
	COL	COLUMN
	COMM	COMMUNICATION
	CONC	CONCRETE
	CONC FLR	CONCRETE FLOOR
	CONF	CONFERENCE
	CONT	CONTINUE
	COORD	COORDINATE
	CORR	CORRIDOR
	CP	CONCRETE PIPE
	CPT	CARPET
	CR	CONTROL ROOM
	CS	CAST STONE
	CSWK	CASEWORK
	CT	CERAMIC TILE
	CTB	CERAMIC TILE BASE
	CTF	CERAMIC TILE FLOOR
	CTR	CENTER
	CU FT	CUBIC FEET
	CW	CASEMENT WINDOW
D	D	DEPTH
	DBL	DOUBLE
	DEMO	DEMOLITION
	DEPT	DEPARTMENT
	DET	DETAIL
	DIA	DIAMETER
	DIM	DIMENSION
	DIR	DIRECTION
	DIST	DISTANCE
	DIV	DIVISION
	DN	DOWN
	DOC	DOCUMENT
	DR	DOOR
	DS	DOWNSPOUT
	D/W	DISHWASHER
	DWG	DRAWING
	DF	DRINKING FOUNTAIN
E	EA	EACH
	EF	EACH FACE
	EIFS	EXTERIOR INSULATION & FINISH SYSTEM
	EJ	EXPANSION JOINT
	ES	EACH SIDE
	EL	ELEVATION
	ELEV	ELEVATOR
	ENTR	ENTRANCE
	EPS	EXPANDED POLYSTYRENE BOARD
	EQ	EQUAL
	EQUIP	EQUIPMENT
	EST	ESTIMATED
	EX	EXISTING
	EXP	EXPOSED
	EXT	EXTERIOR
	EXTG	EXTINGUISHER
	EXT GR	EXTERIOR GRADE
F	FA	FIRE ALARM
	FAAP	FIRE ALARM ANNUNCIATOR PANEL
	FAS BD	FASCIA BOARD
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	FDTN	FOUNDATION
	FE	FIRE EXTINGUISHER
	FEC	FIRE EXTINGUISHER CABINET
	FF	FINISH FACE
	FF EL	FINISH FLOOR ELEVATION
	FGL	FIBERGLASS
	FHP	FULL HEIGHT PARTITION
	FIN	FINISH
	FIN BS	FINISH BOTH SIDES
	FIN FLR	FINISH FLOOR
	FIN GR	FINISH GRADE
	FIXT	FIXTURE
	FLDG	FOLDING
	FLEX	FLEXIBLE
	FLG	FLOORING
	FLMT	FLUSH MOUNT
	FLR	FLOOR
	FM	FACTORY MUTUAL
	FOC	FACE OF CONCRETE
	FOM	FACE OF MASONRY
	FRG	FIBER REINFORCED GYPSUM
	FRMG	FRAMING
	FRP	FIBERGLASS REINFORCED PLASTIC
	FRTW	FIRE RETARDANT TREATED WOOD
	FSTNR	FASTENER
	FT	FEET
	FTG	FOOTING
	FWC	FABRIC WALLCOVERING
G	GA	GAUGE
	GALV	GALVANIZED
	GB	GRAB BAR
	GC	GENERAL CONTRACTOR
	GL	GLAZING
	GR FL	GROUND FLOOR
	GUT	GUTTER
	GWB	GYPSUM WALL BOARD
	GYP PLAS	GYPSUM PLASTER
	GYP SHTG	GYPSUM SHEATHING
H	HB	HOSE BIBB
	HC	HANDICAPPED
	HD	HAND DRYER
	HDPE	HIGH DENSITY POLYETHYLENE
	HDW	HARDWARE
	HDWD	HARDWOOD
	HM	HOLLOW METAL
	HMD	HOLLOW METAL DOOR
	HORIZ	HORIZONTAL
	HT	HEIGHT
	HVAC	HEATING, VENTILATION AND AIR CONDITIONING
	HYDR	HYDRAULIC
I	IBC	INTERNATIONAL BUILDING CODE
	ID	INSIDE DIAMETER
	INCL	INCLUDE (ING)
	INSUL	INSULATION
	INT	INTERIOR
	ILO	IN LIEU OF
	INV	INVERT
J	JAN	JANITOR
K	KIT	KITCHEN
	KO	KNOCK OUT
	KPD	KEYPAD
	KPL	KICKPLATE
L	LAM	LAMINATE
	LAV	LAVATORY
	LBS	POUND
	LDG	LANDING
	LF	LINEAR FEET (FOOT)
	LH	LEFT HAND
	LIN	LINEAR
	LKR	LOCKER
	LOC	LOCATION
	LT	LIGHT
	LVDR	LOUVER DOOR
	LVR	LOUVER
M	MACH RM	MACHINE ROOM
	MANUF	MANUFACTURER
	MATL	MATERIAL
	MAX	MAXIMUM
	MECH	MECHANICAL
	MECH RM	MECHANICAL ROOM
	MEMB	MEMBRANE
	MF	MILL FINISH
	MFR	MANUFACTURER
	MH	MOP HOLDER
	MID	MIDDLE
	MIN	MINIMUM, MINUTE
	MIRR	MIRROR
	MISC	MISCELLANEOUS
	MLDG	MOLDING (MOULDING)
	MO	MASONRY OPENING
	MOD	MODIFY
	MR	MOISTURE RESISTANT
	MTG	MOUNTING
	MTL	METAL
	MVBL	MOVABLE
	MWP	MEMBRANE WATERPROOFING
N	N	NORTH
	NA	NOT APPLICABLE
	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	NIC	NOT IN CONTRACT
	NO	NUMBER
	NOM	NOMINAL
	NP	NO PAINT
	NRC	NOISE REDUCTION COEFFICIENT
	NTS	NOT TO SCALE
O	OC	ON CENTER
	OD	OUTSIDE DIAMETER
	OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
	OFOI	OWNER FURNISHED/OWNER INSTALLED
	OFD	OVERFLOW DRAIN
	OFF	OFFICE
	OGL	OBSCURE GLASS
	O/O	OUTSIDE TO OUTSIDE
	OPH	OPPOSITE HAND
	OPNG	OPENING
	OPP	OPPOSITE
	OPQ	OPAQUE
	OWSJ	OPEN WEB STEEL JOIST
	OPR	OPERABLE
	ORD	OVERFLOW ROOF DRAIN
	ORIG	ORIGINAL
P	PA	PUBLIC ADDRESS
	PAR	PARAPET
	PAT	PATTERN
	PB	PULL BOX
	PBD	PARTICLEBOARD
	PCC	PRECAST CONCRETE
	PCF	POUNDS PER CUBIC FOOT
	PD	PAPER TOWEL DISPENSER
	PERF	PERFORATED
	PERIM	PERIMETER
	PH	PHASE
	PIL	PILASTER
	PL	PROPERTY LINE
	PLAM	PLASTIC LAMINATE
	PLAS	PLASTER
	PLBG	PLUMBING
	PLG	PILING
	PLYWD	PLYWOOD
	PNL	PANEL
	PP PL	PUSH/PULL PLATE
	PR	PAIR
	PRCST	PRECAST
	PRKG	PARKING
	PS CONC	PRESTRESSED CONCRETE
	PSF	POUNDS PER SQUARE FOOT
	PSI	POUNDS PER SQUARE INCH
	PT	PRESSURE TREATED
	PTD	PAINTED
	PTN	PARTITION
	PVC	POLY VINYL CHLORIDE
	PWR	POWER
Q	QT	QUARRY TILE
	QTY	QUANTITY
R	R	RADIUS
	RB	RESILIENT BASE
	RBR	RUBBER
	RC	REINFORCED CONCRETE
	RCP	REFLECTED CEILING PLAN
	RD	ROOF DRAIN
	RDG INS	RIGID INSULATION, SOLID
	REC	RECESSED
	REF	REFERENCE
	REM	REMOVABLE
	REP	REPAIR
	REPL	REPLACE
	REQ	REQUIRE
	REQD	REQUIRED
	RESIL	RESILIENT
	REST	RESTROOM
	RF	RESILIENT FLOORING
	RFG	ROOFING
	RH	RIGHT HAND
	RHR	RIGHT HAND REVERSE
	RL	ROOF LEADER
	RLG	RAILING
	RM	ROOM
	RO	ROUGH OPENING
	RSD	ROLLING STEEL DOOR
	RV	ROOF VENT
	RVL	REVEAL
S	SB	SPLASH BLOCK
	SCHED	SCHEDULE
	SD	SMOKE DETECTOR
	SF	SQUARE FOOT (FEET)
	SFTWD	SOFTWOOD
	SGL	SINGLE
	SHT MTL	SHEET METAL (FLASHING)
	SHTHG	SHEATHING
	SHV	SHELVING
	SIM	SIMILAR
	SJ	SCORED JOINT
	SKLT	SKYLIGHT
	SLNT	SEALANT
	SMK	SMOKE
	SMLS	SEAMLESS
	SND	SANITARY NAPKIN DISPENSER
	SPD	SOAP DISPENSER
	SP EL	SPOT ELEVATION
	SPEC	SPECIFICATION
	SQ	SQUARE
	SQ IN	SQUARE INCH
	SQ YD	SQUARE YARD
	SS	SOLID SURFACE
	SST	STAINLESS STEEL
	ST	STAIRS
	STD	STANDARD
	STL JST	STEEL JOIST
	STL RF DK	STEEL ROOF DECK
	STOR	STORAGE
	STR	STRINGERS
	STRUCT	STRUCTURAL
	STRB/HRN	STROBE/HORN
	SUB FL	SUBFLOOR
	SUSP	SUSPENDED
	SV	SHEET VINYL
	SW	SIDEWALK
T	T	TREAD
	T&B	TOP AND BOTTOM
	TBD	TO BE DETERMINED
	TD	TRENCH DRAIN
	TEL	TELEPHONE
	TEMP	TEMPORARY
	TFF	TOP OF FINISH FLOOR
	T&G	TONGUE AND GROOVE
	THK	THICKNESS
	TK BD	TACKBOARD
	TMPD GL	TEMPERED GLASS
	TN	TRUE NORTH
	TO	TOP OF
	TOF	TOP OF FOOTING
	TOM	TOP OF MASONRY
	TOP	TOP OF PARAPET
	TOPO	TOPOGRAPHY
	TOS	TOP OF SLAB
	TP	TOILET PAPER DISPENSER
	TRANS	TRANSPARENT
	TRTD	TREATED
	TV	TELEVISION
U	UC	UNDERCUT
	UNO	UNLESS OTHERWISE NOTED
V	VB	VAPOR BARRIER
	VFY	VERIFY
	VIF	VERIFY IN FIELD
	VERT	VERICAL
	VCT	VINYL COMPOSITION TILE
	VWC	VINYL WALL COVERING
W	W/	WITH
	W/O	WITHOUT
	WBF	WATER BOTTLE FILLER
	WC	WATER CLOSET
	WD	WOOD
	WR	WASTE RECEPTACLE
	WWF	WELDED WIRE FABRIC

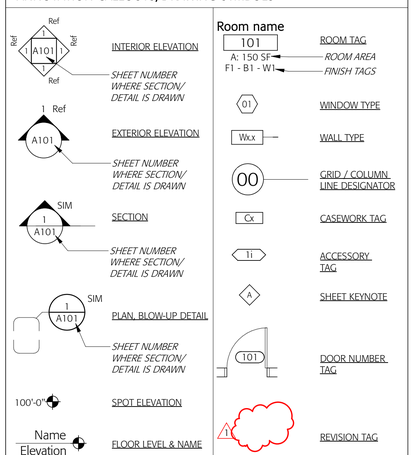
INDEX OF DRAWINGS

NUMBERING SYSTEM:



LEGEND

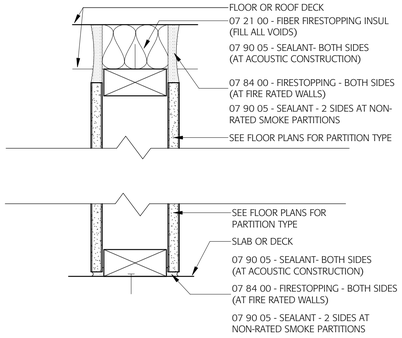
ANNOTATION CALLOUTS/DRAWING SYMBOLS



SPECIFICATION

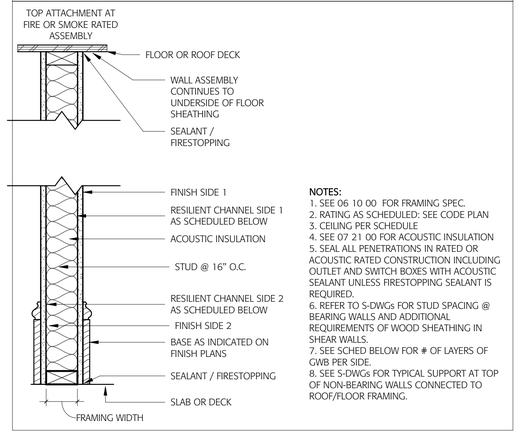
PARTITION KEY

WOOD STUD TYPICAL SEALANT/FIRESTOP at PARTITION SILL & HEAD DETAIL



TYPE W1

TYPICAL TO DECK



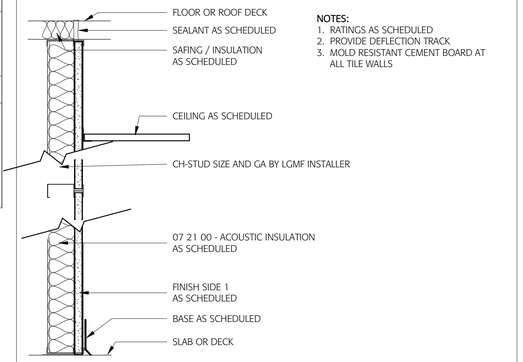
NOTES:
1. SEE 06 10 00 FOR FRAMING SPEC.
2. RATING AS SCHEDULED: SEE CODE PLAN
3. CEILING PER SCHEDULE
4. SEE 07 21 00 FOR ACOUSTIC INSULATION
5. SEAL ALL PENETRATIONS IN RATED OR ACOUSTIC RATED CONSTRUCTION INCLUDING OUTLET AND SWITCH BOXES WITH ACOUSTIC SEALANT UNLESS FIRESTOPPING SEALANT IS REQUIRED.
6. REFER TO S-DWGs FOR STUD SPACING @ BEARING WALLS AND ADDITIONAL REQUIREMENTS OF WOOD SHEATHING IN SHEAR WALLS.
7. SEE SCHED BELOW FOR # OF LAYERS OF GWB PER SIDE.
8. SEE S-DWGs FOR TYPICAL SUPPORT AT TOP OF NON-BEARING WALLS CONNECTED TO ROOF/FLOOR FRAMING.

WALL SCHEDULE W1

Type	Struct Dim	Finish Side 1	Finish Side 2	Fire Rating	Safing	Comments	Type Mark	Sealant / Firestopping	STC
W1.4A To Deck	3 1/2" STUD	5/8" GYP	5/8" GYP				W1.4A	07 92 00	
W1.4F To Deck 1 Hour	3 1/2" STUD	5/8" GYP	5/8" GYP	1HR	Yes		W1.4F	07 84 00	
W1.6A To Deck	5 1/2" STUD	5/8" GYP	5/8" GYP				W1.6A	07 92 00	
W1.6F To Deck 1 Hour	5 1/2" STUD	5/8" GYP	5/8" GYP	1HR	Yes		W1.6F	07 84 00	

TYPE S4

SHAFT WALL - TO DECK



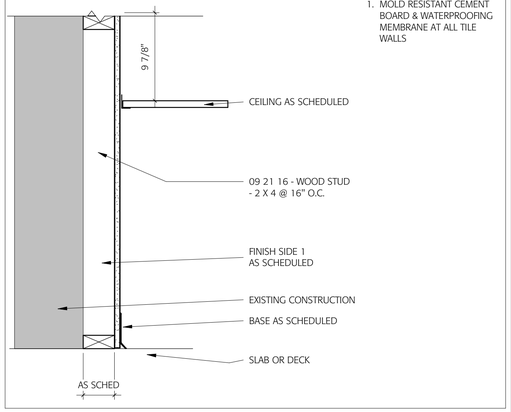
NOTES:
1. RATINGS AS SCHEDULED
2. PROVIDE DEFLECTION TRACK
3. MOLD RESISTANT CEMENT BOARD AT ALL TILE WALLS

WALL SCHEDULE W4

S4.1A Type	Struct Dim	Finish Side 1	Finish Side 2	Fire Rating	Safing	Acoustic Insulation	Comments	S4.1A type Mark	Sealant / Firestopping	STC
W4.4A Chase to Deck	4" CH STUD	1" SHAFT LINER	NONE			Yes		W4.4A	07 92 00	

TYPE W7

FURRED



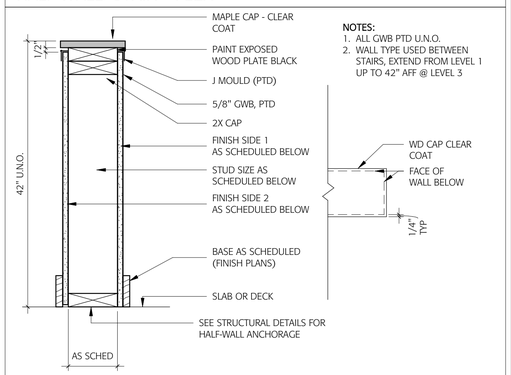
NOTES:
1. MOLD RESISTANT CEMENT BOARD & WATERPROOFING MEMBRANE AT ALL TILE WALLS

WALL SCHEDULE W7

Type	Struct Dim	Finish Side 1	Finish Side 2	Fire Rating	Safing	Acoustic Insulation	Comments	Type Mark	Sealant / Firestopping	STC
W7.4A Furred Wall	3 1/2" STUD	5/8" GYP						W7.4A		

TYPE W3

HALF WALL/ STAIR + FLEX



NOTES:
1. ALL GWB PTD U.N.O.
2. WALL TYPE USED BETWEEN STAIRS, EXTEND FROM LEVEL 1 UP TO 42" AFF @ LEVEL 3

WALL SCHEDULE W3

Type	Struct Dim	Finish Side 1	Finish Side 2	Fire Rating	Safing	Acoustic Insulation	Comments	Type Mark	Sealant / Firestopping	STC
W3.4A Half Height	3 1/2" STUD	5/8" GYP	5/8" GYP					W3.4A		
W3.6A Half Height	5 1/2" STUD	5/8" GYP	5/8" GYP					W3.6A		
W3.10A Half Height	9 1/4" STUD	5/8" GYP	5/8" GYP					W3.10A	07 92 00	
W3.12A Half Height	11 1/4" STUD	5/8" GYP	5/8" GYP					W3.12A	07 92 00	

GENERAL PARTITION NOTES

1. CONTRACTOR TO CONSTRUCT PARTITIONS, FLOOR/CEILING/ROOF ASSEMBLIES TO BE COMPLIANT WITH LISTED UL ASSEMBLIES. IF EQUIVALENT UL ASSEMBLY IS TO BE USED, SUBMIT TO ARCHITECT FOR APPROVAL.
2. AT ALL ROOMS SCHEDULED TO RECEIVE "09300 - CERAMIC WALL TILE" USE GLASS MESH MORTAR BOARD (G.M.M.B.) IN LIEU OF GWB AT TILE.
3. ACOUSTICAL CONSTRUCTION: SEAL ALL CRACKS, JOINTS, AND VOIDS IN ACOUSTICAL CONSTRUCTION AIR TIGHT. SEALING SHALL INCLUDE:
   A. SEALING BOTTOM EDGES OF GYPSUM BOARD TO FLOOR BEHIND BASE AT BOTH SIDES OF PARTITIONS.
   B. SEALING TOP AND SIDE EDGES OF GYPSUM BOARD AT BOTH SIDES OF WALLS ABUTTING OTHER CONSTRUCTION.
   C. SEALING TOP OF WALL TO DECK.
   D. SEALING ALL WALL PENETRATIONS INCLUDING ELECTRICAL BOXES, PIPES, CONDUITS, DUCTS, BEAMS, JOISTS, ETC.
4. AT PARTITION INFILL LOCATIONS, INFILL TO MATCH ADJACENT MATERIALS AND FIRE RESISTANCE RATING.

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
General Notes, Abbreviations, Annotations Legends, & Wall Types

PROJECT NO: 23-129 | DATE: 3/31/25

SHEET NUMBER:
A001

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GENERAL PLAN NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY, U.O.N. OPENINGS IN WALLS WITHOUT FRAMES ARE TO FACE OF STUD OR MASONRY, U.O.N. DIMENSIONS AT EXISTING WALLS ARE TO EXISTING FINISH FACE, U.O.N.
2. ALL ANGLED WALLS ARE 45°, U.O.N.
3. REFER TO CODE PLAN FOR EXTENT OF RATED ENCLOSURES AND FIRE/SMOKEPROOFING.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS
6. 32" MIN FOR ADA CIRCULATION

PLAN

PLAN

- OWNER PROVIDED FURNITURE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

PATIO W/PAVERS
VERIFY PATIO GRADING WITH CIVIL
37'-7 1/2" V.I.F.
15'-7"
MULTIPURPOSE/MEETING 111 A: 744 SF
20'-2 1/8"
KITCHEN 112 A: 260 SF
DISPLAY BOARD
REF
STAIR B 117 A: 86 SF
18'-3 1/4"
1-HR
LAV 108 A: 52 SF
5'-8 1/4" V.I.F.
27 1/4"
HALL 115 A: 160 SF
JC 109 A: 65 SF
CHAIR STORAGE 110 A: 75 SF
8'-10 1/2"
PITCH 1/4" : FOOT
OFFICE 106 A: 165 SF
11'-3 1/8" V.I.F.
15'-8 3/4"
LAV 107 A: 59 SF
8'-2 3/4" V.I.F.
14'-2"
11'-11"
WATER BOTTLE FILLER
8'-0"
11'-6 1/4"
2'-6"
5'-4 5/8"
30" DISPLAY COUNTER W/ MAPLE BULLNOSE
(3) FIVE SECTION CUBBIE COAT LOCKERS, MODEL #WB0112 BY WHITNEY BROTHERS OR EQUAL. ANCHOR TOP TO WALL, INSTALL CLEAR FINISH SPACER TRIM BLOCKING FOR DEPTH OF WALL BASE.
SPECIAL COLLECTIONS / ART DISPLAY 103 A: 99 SF
PICTURE MOULDING
FIBERGLASS COLUMN WRAP, MODEL #: EC 120F BY EDON OR EQUAL, TYPICAL.
1'-0"
* VERIFY WITH DEPTH OF SHELVING UNITS
CIRCULATION 104 A: 176 SF
CL 113 A: 39 SF
5'-5"
7'-5 5/8"
TECH SPACE 116 A: 141 SF
SEE WORK COUNTER DETAIL AT A4/700
TYP.
LIBRARY 105 A: 2,236 SF
DISPLAY TABLE
PERIODICALS
BENCH W/PEGS FOR COATS/BOOT AREA
CL 118 A: 23 SF
ENTRY 101 A: 84 SF
CHILDREN'S AREA 102 A: 524 SF
KNOX BOX
1'-0" MIN
1'-0"
1" / 12"
RAMP
12'-0"
1 1/2" DIAMETER PIPE HANDRAILS - BLACK
5'-0" MIN CLR
1'-0" MIN
842.46
841.46
841.88
841.30
842.5
840.2
STAIR A 114 A: 102 SF
4'-8"
1'-8"
S4.1A
3 LINE RAIL W/HANDRAIL 1 1/2" DIAMETER PIPE RAIL, 2 1/4" CLEAR FINGER CLEARACE, TYPICAL
NEW PAINTED STAIR AND LANDING - SEE A2 / A401
ADD 1 LAYER OF 5/8" GYP EACH SIDE OF EXISTING WALL TO ATTAIN 1 HR FIRE RATING
INFILL EXISTING A/C OPENING AND FINISH TO MATCH
OPEN TO MEZZANINE ABOVE
TYPICAL AT ENTRY PORCH:
BASE SCOPE: FORGED STEEL RAILING SELECTED BY OWNER, PROVIDED / INSTALLED BY G.C.
DEDUCT ALTERNATE: COMPOSITE RAILING AND BALLUSTRADES, SEE SPECIFICATIONS.

D8 ~~LEVEL 1 - FLOOR PLAN~~
Scale: 1/4" = 1'-0"

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LICENSED ARCHITECT
INGRID NICHOLS LIC. NO. 2736
THE STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
LEVEL 1 FLOOR PLAN

PROJECT NO: 23-129 DATE: 3/31/25

SHEET NUMBER:
A101

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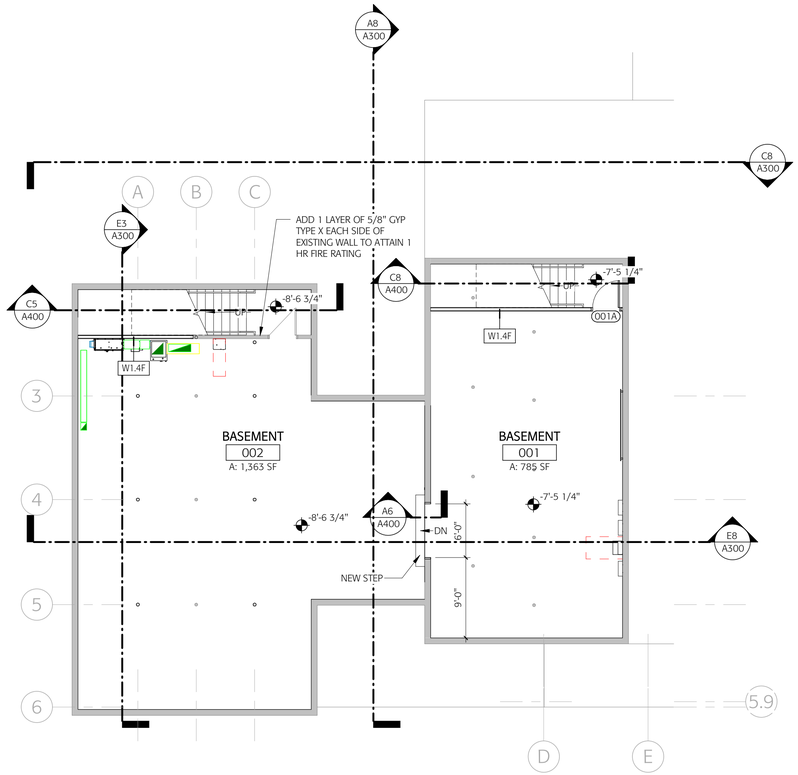
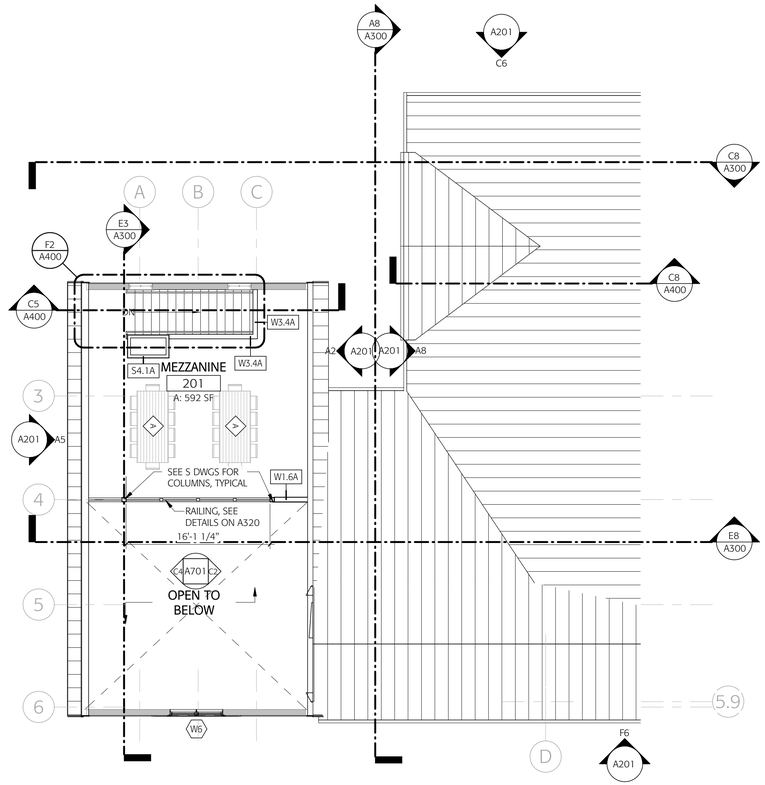


2 BASEMENT - FLOOR PLAN
Scale: 1/8" = 1'-0"



1 LEVEL 2 - FLOOR PLAN
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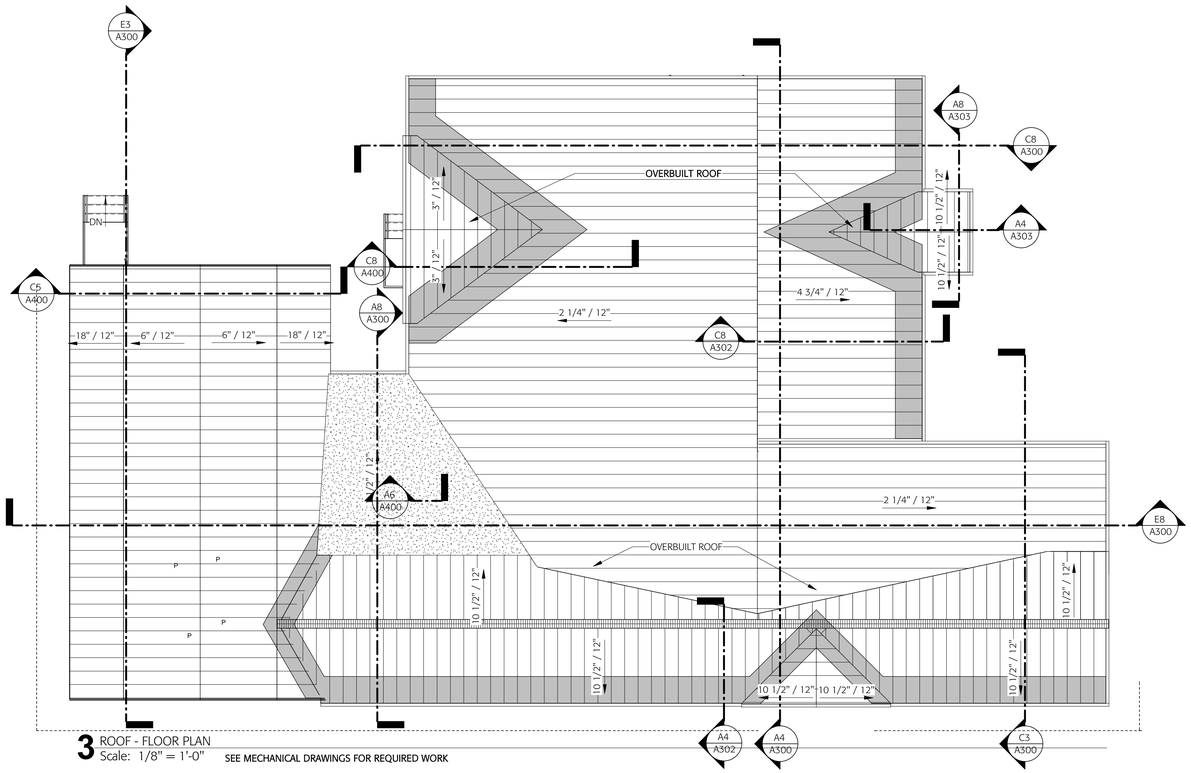

3 ROOF - FLOOR PLAN
Scale: 1/8" = 1'-0"

SEE MECHANICAL DRAWINGS FOR REQUIRED WORK

GENERAL PLAN NOTES:

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PLAN

PLAN

- OWNER PROVIDED FURNITURE
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- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AND FRAME
- EXISTING DOOR TO REMAIN

DENOTES METAL ROOF

DENOTES MEMBRANE ROOF

DENOTES ROOF CRICKET

LEGEND - ROOF PLAN

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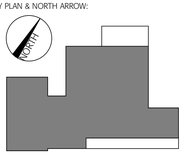

PROJECT:
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CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
BASEMENT, LEVEL 2, & ROOF PLAN

PROJECT NO: 23-129 DATE: 3/31/25

SHEET NUMBER:
A102

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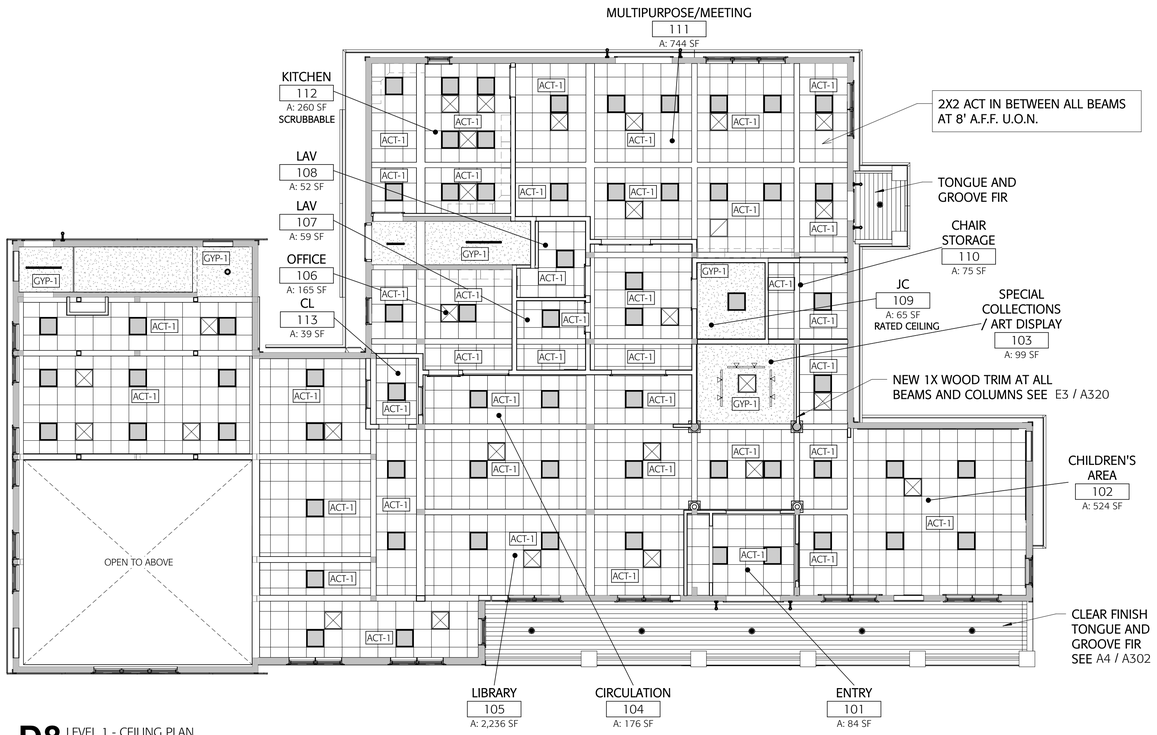
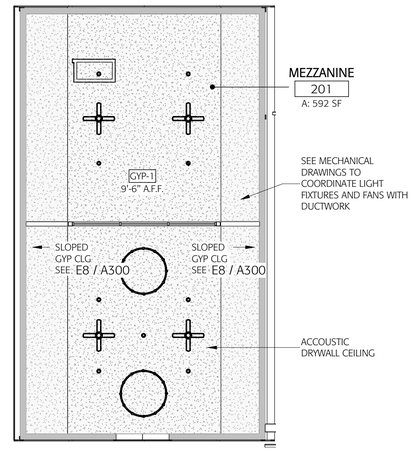
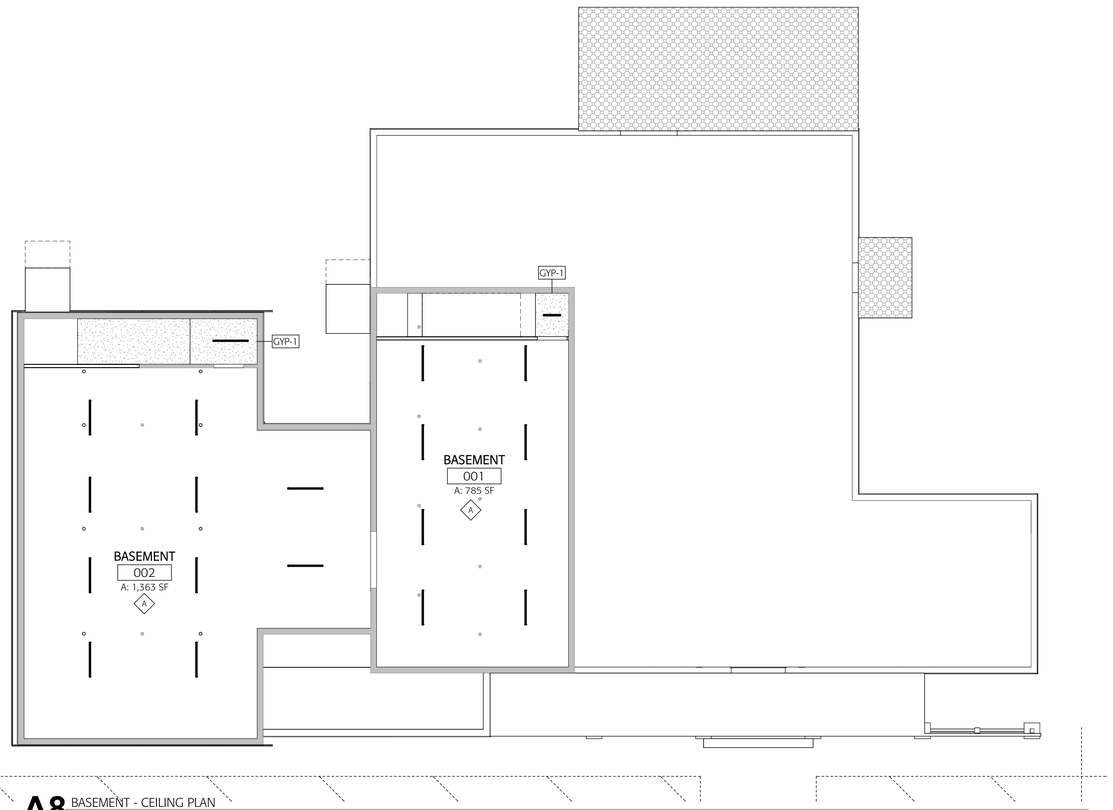


D8 LEVEL 1 - CEILING PLAN
Scale: 1/8" = 1'-0"



D3 LEVEL 2 - CEILING PLAN
Scale: 1/8" = 1'-0"



A8 BASEMENT - CEILING PLAN
Scale: 1/8" = 1'-0"

GENERAL RC PLAN NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CEILING CONDITIONS TO CONFIRM SCOPE OF WORK FOR INDIVIDUAL CEILING MATERIALS.
3. REFER TO ELECTRICAL DWGS. FOR FIXTURE TYPE, FIXTURE SIZE, MOUNTING, AND FIXTURES NOT SHOWN IN THIS DRAWING.
4. REFER TO MECHANICAL DWGS. FOR DUCT AND REGISTER SIZE, AND ITEMS NOT SHOWN IN THIS DRAWING.
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS

RC PLAN KEYNOTES:

A. EXPOSED STRUCTURE

RC PLAN

- KEYNOTE, SEE RC PLAN KEYNOTE CODES ABOVE
- MATCHLINE
- STRUCTURAL GRID LINE
- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN

CEILING TAG

- 1i / 1' - 0" A.F.F. — CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND; CEILING HEIGHT, FROM FINISHED FLOOR

RC PLAN FIXTURE

TROFFER AND RECESSED LIGHT FIXTURES

- TROFFER LIGHT FIXTURE (24" X 24" SHOWN)
- RECESSED CAN FIXTURE
- DIRECTIONAL RECESSED CAN FIXTURE

SURFACE MOUNTED LIGHT FIXTURES

- LINEAR SURFACE MOUNTED FIXTURE
- ROUND SURFACE MOUNTED FIXTURE
- LINEAR UTILITY SURFACE MOUNTED FIXTURE

PENDANT LIGHT FIXTURES

- TRACK LIGHTING

WALL MOUNTED LIGHT FIXTURES

- LINEAR WALL FIXTURE
- WALL SCONCE FIXTURE
- EMERGENCY LIGHT FIXTURE

MECHANICAL REGISTERS AND GRILLES

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE or RECESSED EXHAUST FAN

MISCELLANEOUS FIXTURES

- CEILING FAN
- EXIT SIGN

RC PLAN FINISHES

GENERAL FINISH

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

CEILINGS: ACT-1 - 2X2 GRID - 8' AFF U.O.N.
GYP-1 - GYPSUM WALL BOARD, PAINTED

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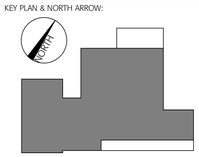
VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

LICENSED ARCHITECT
INGRID NICHOLS
NO. 2738
THE STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
REFLECTED CEILING PLANS

PROJECT NO: 23-129
DATE: 3/31/25

SHEET NUMBER:
A121

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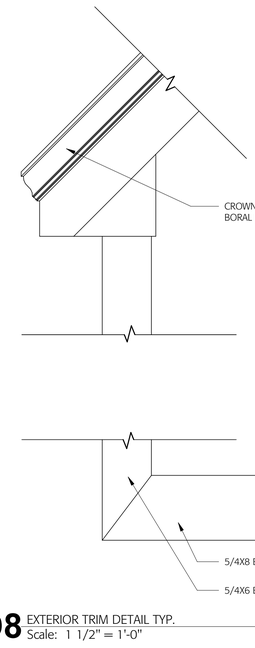

D8 EXTERIOR TRIM DETAIL TYP.
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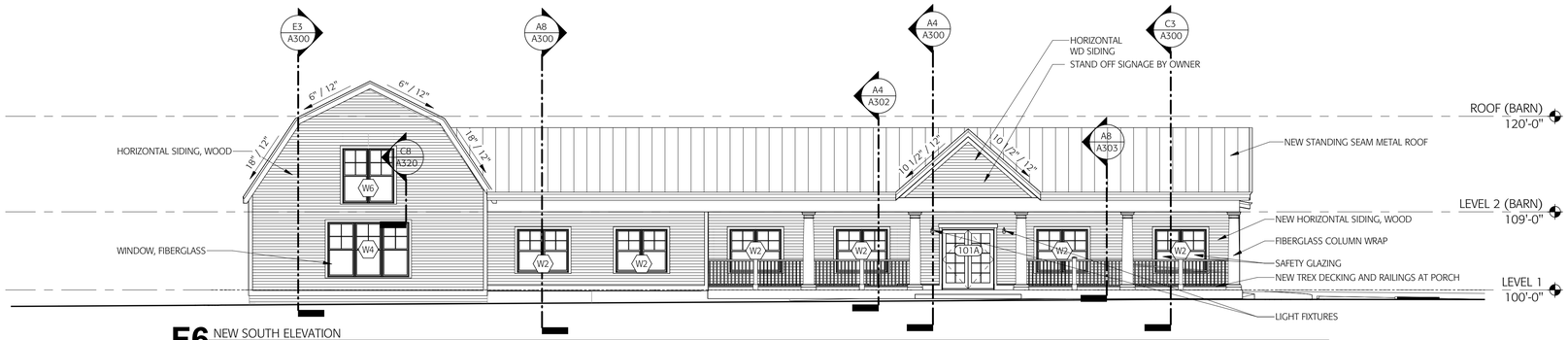
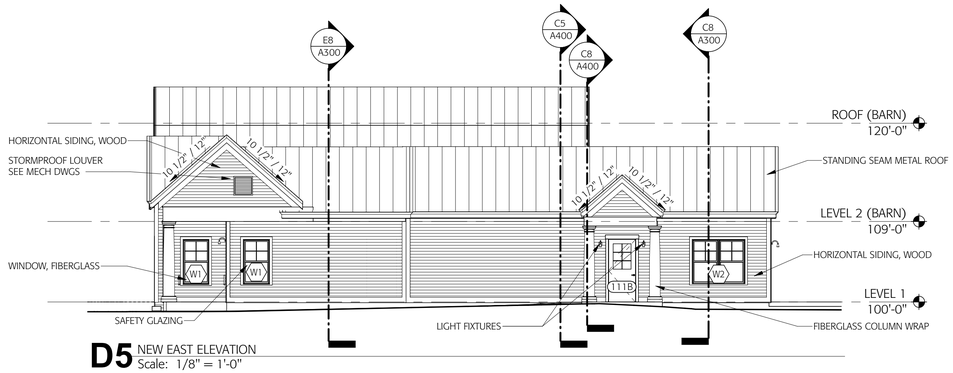


F6 NEW SOUTH ELEVATION
Scale: 1/8" = 1'-0"



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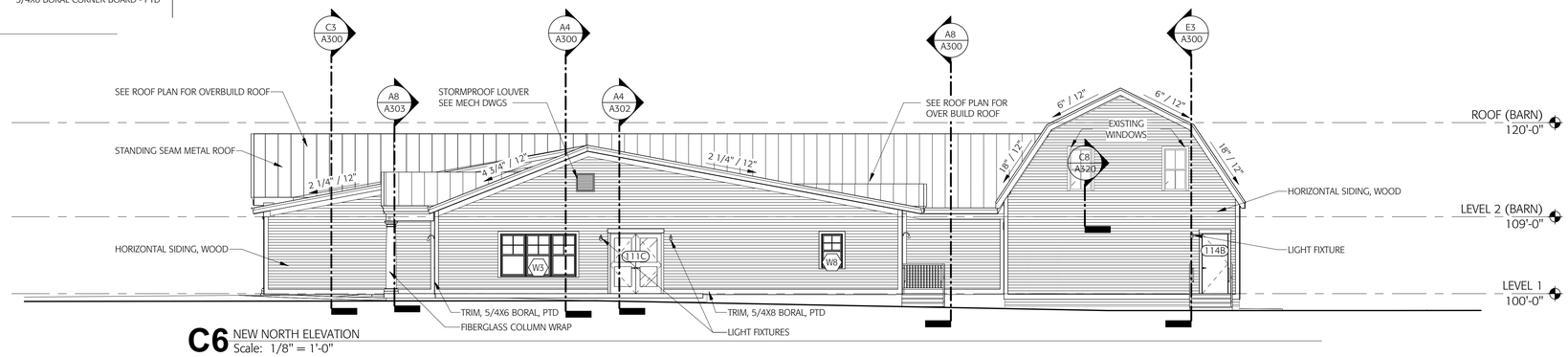
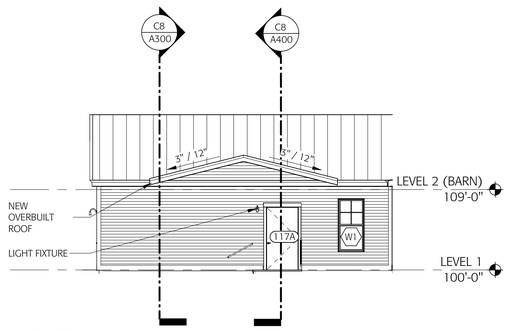
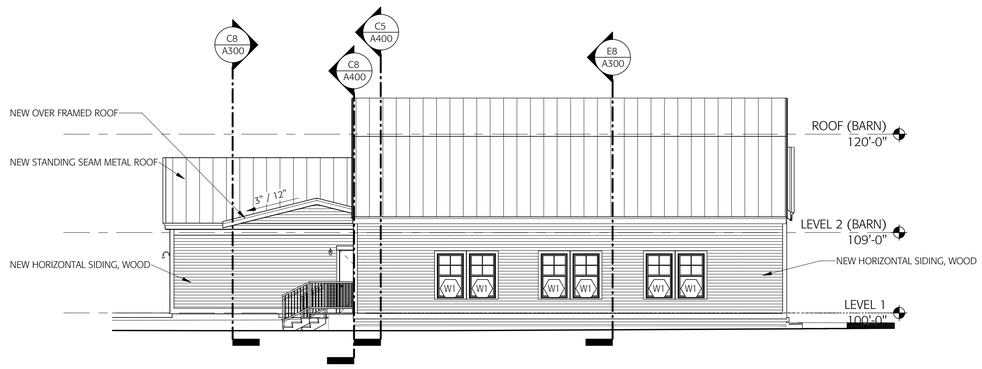


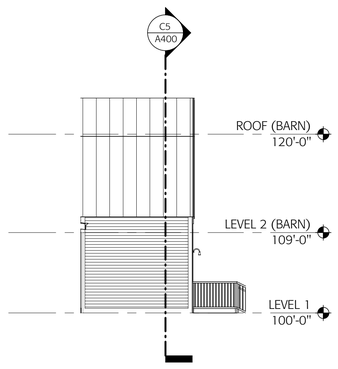
C6 NEW NORTH ELEVATION
Scale: 1/8" = 1'-0"



A8 3 - a
Scale: 1/8" = 1'-0"



A5 NEW WEST ELEVATION
Scale: 1/8" = 1'-0"



A2 2 - a
Scale: 1/8" = 1'-0"

GENERAL NOTES:
1. PROVIDE NEW CLAPBOARD SIDING AND TRIM AS SHOWN AT ALL EXISTING AND NEW EXTERIOR WALLS

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LICENSED ARCHITECT
INGRID NISHIOKA
NO. 2736
STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
EXTERIOR ELEVATIONS

PROJECT NO: 23-129 DATE: 3/31/25

SHEET NUMBER:
A201

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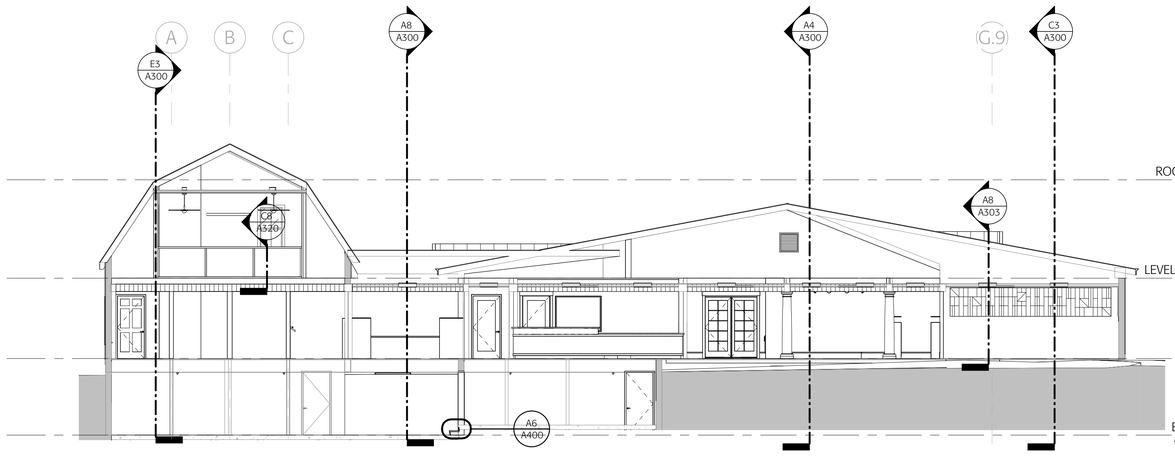
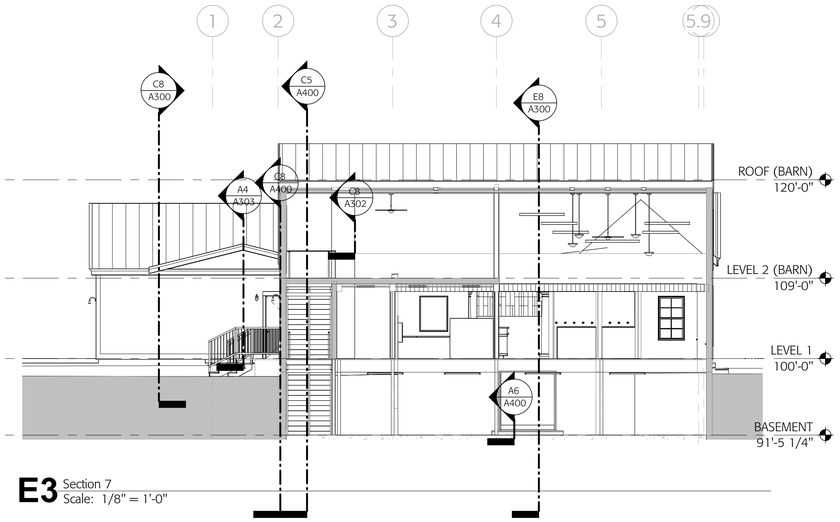


E8 Section 1
Scale: 1/8" = 1'-0"



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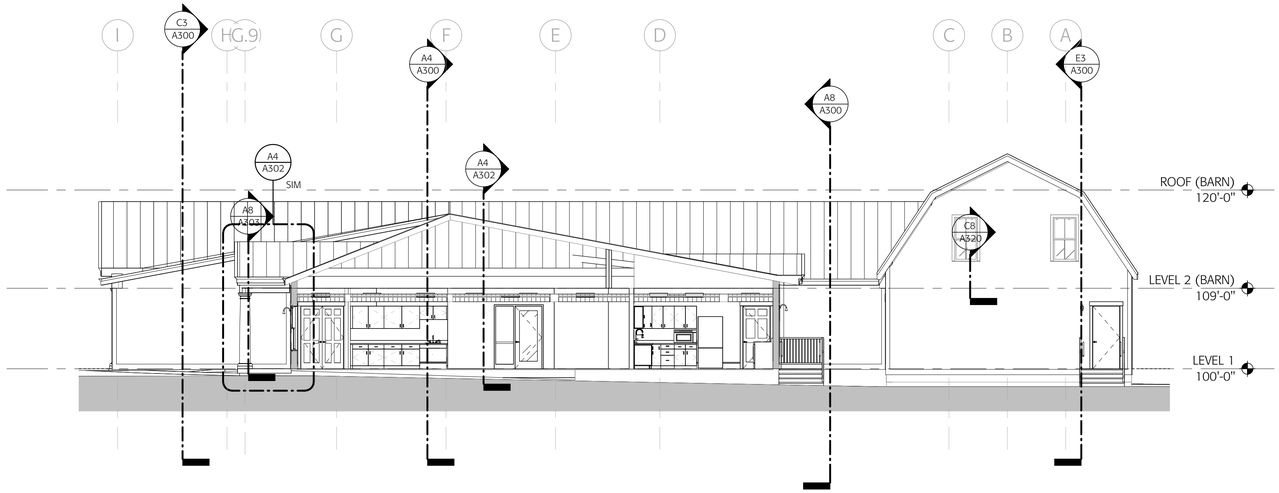
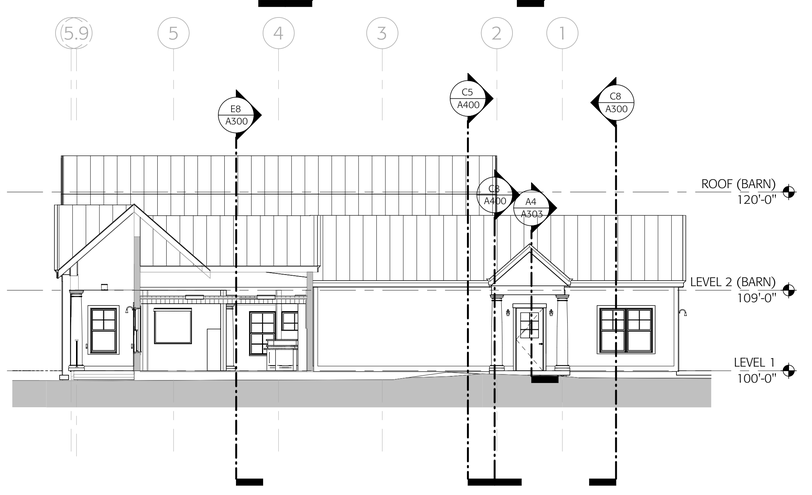
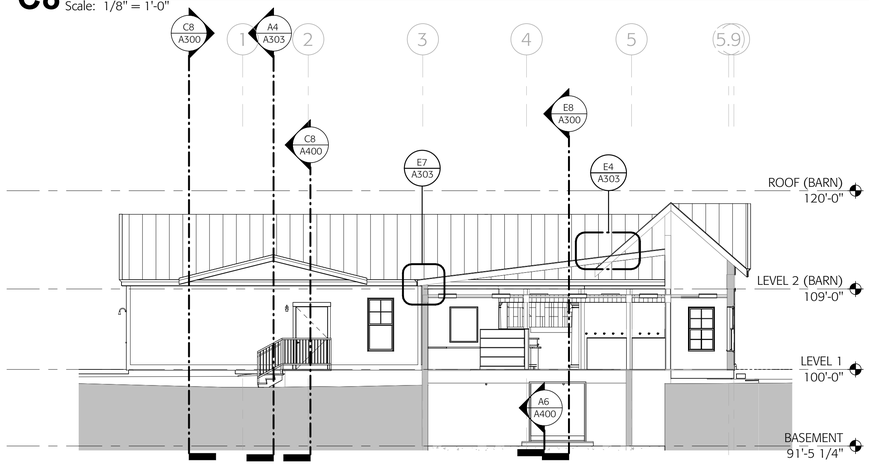
Scale: 1/8" = 1'-0"



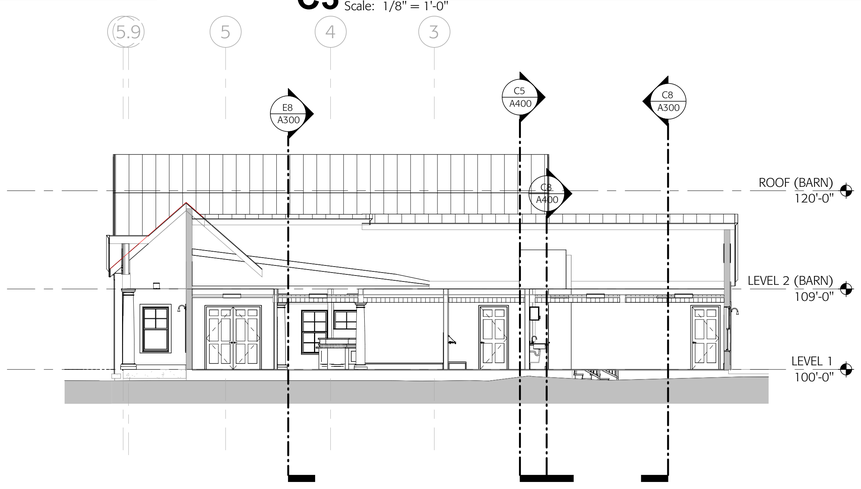
C8 Section 2
Scale: 1/8" = 1'-0"



C3 Section 8
Scale: 1/8" = 1'-0"



A8 Section 3
Scale: 1/8" = 1'-0"



A4 Section 9
Scale: 1/8" = 1'-0"

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LICENSED ARCHITECT
INGRID NICHOLS
NO. 2730
STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
BUILDING SECTIONS

PROJECT NO: 23-129 DATE: 3/31/25

SHEET NUMBER:
A300

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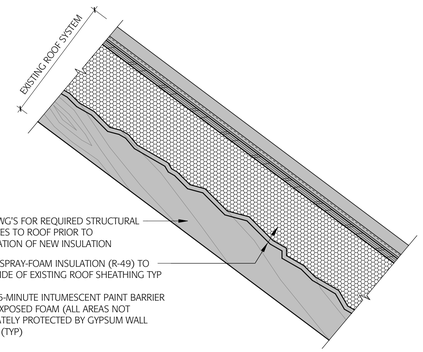
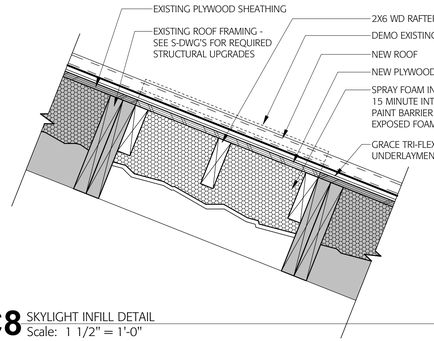
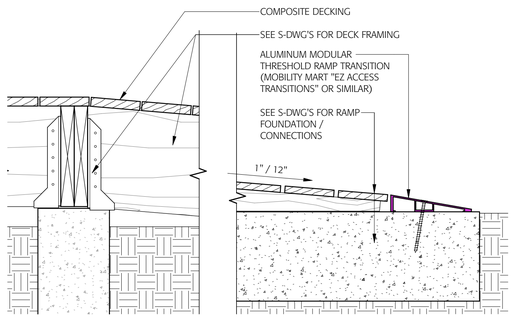


D8 EXISTING RAFTER - INSULATION
Scale: 1 1/2" = 1'-0"



C8 SKYLIGHT INFILL DETAIL
Scale: 1 1/2" = 1'-0"



A8 RAMP SECTION
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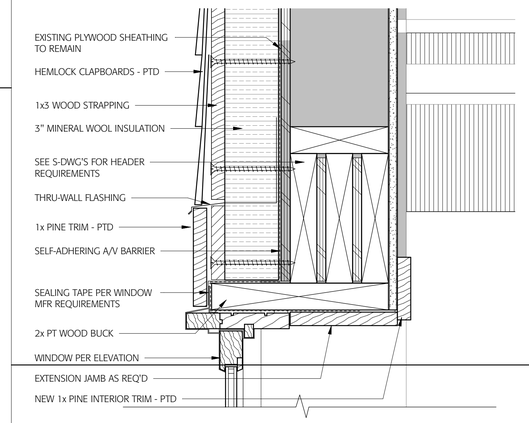
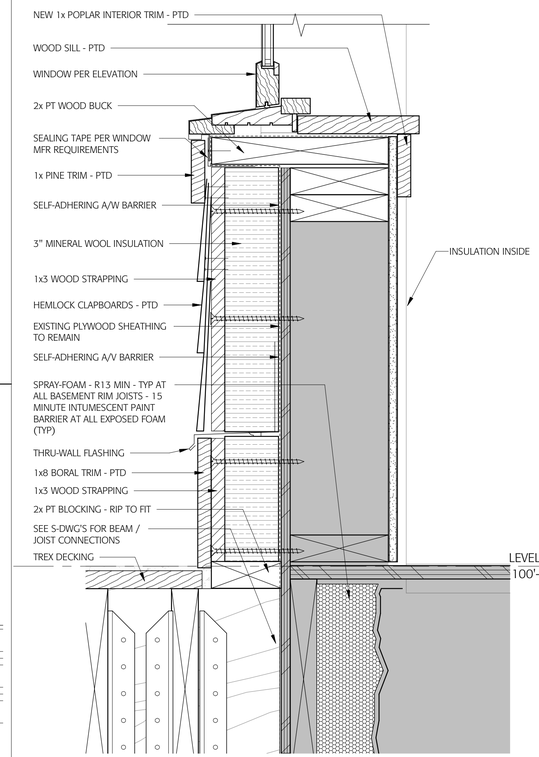


D6 WINDOW - HEAD DETAIL
Scale: 3" = 1'-0"



A6 WINDOW - SILL DETAIL
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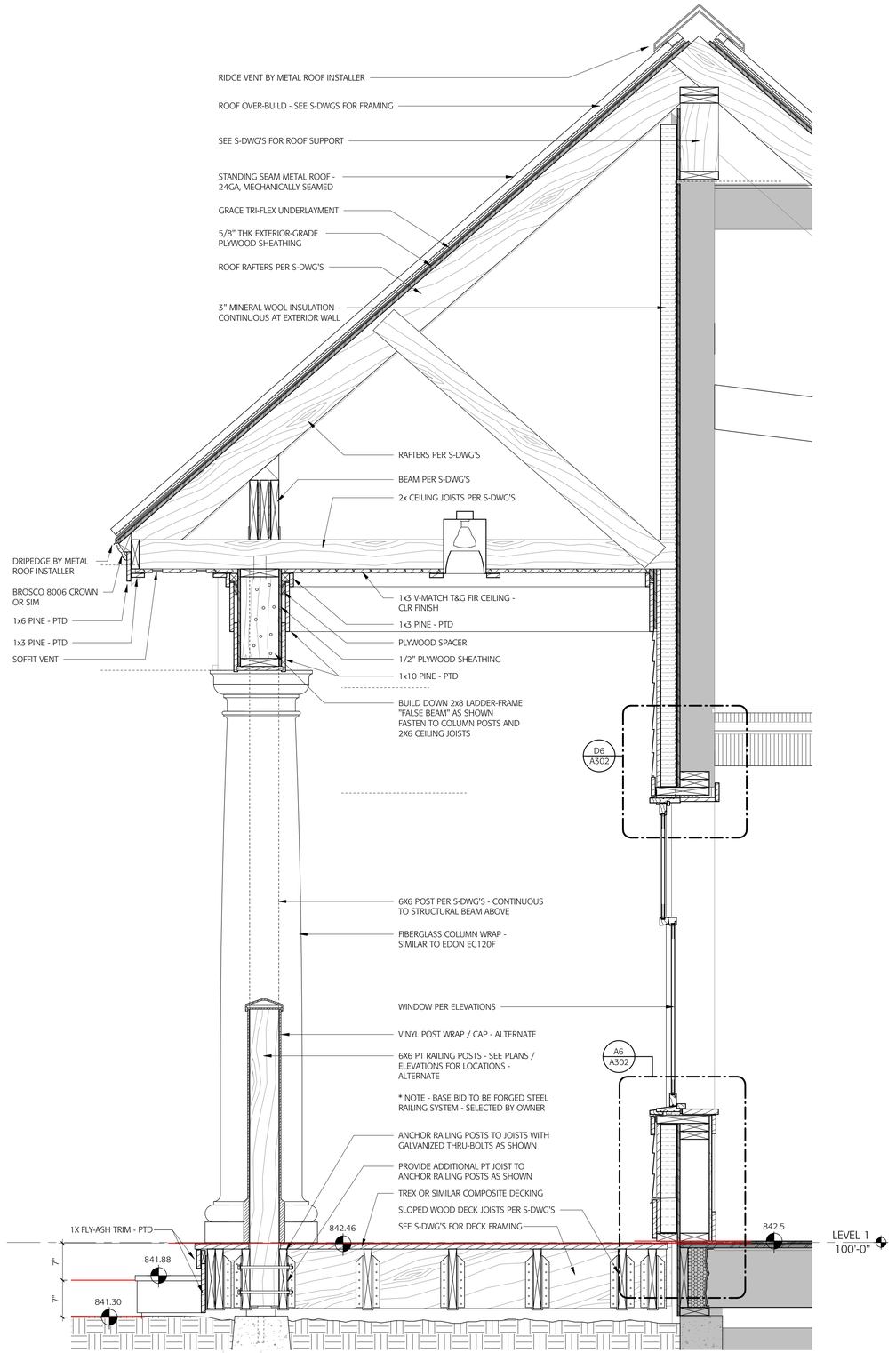

A4 DETAIL SECTION AT PORCH
Scale: 1" = 1'-0"

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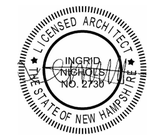

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
WALL SECTIONS

PROJECT NO: 23-129 DATE: 3/31/25

SHEET NUMBER:
A302

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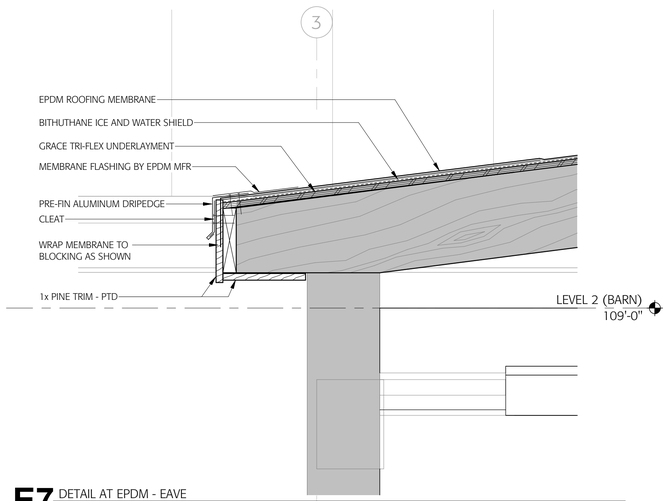
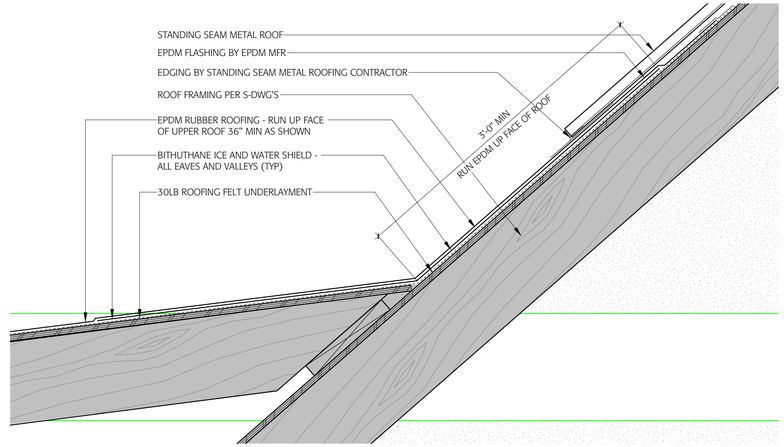
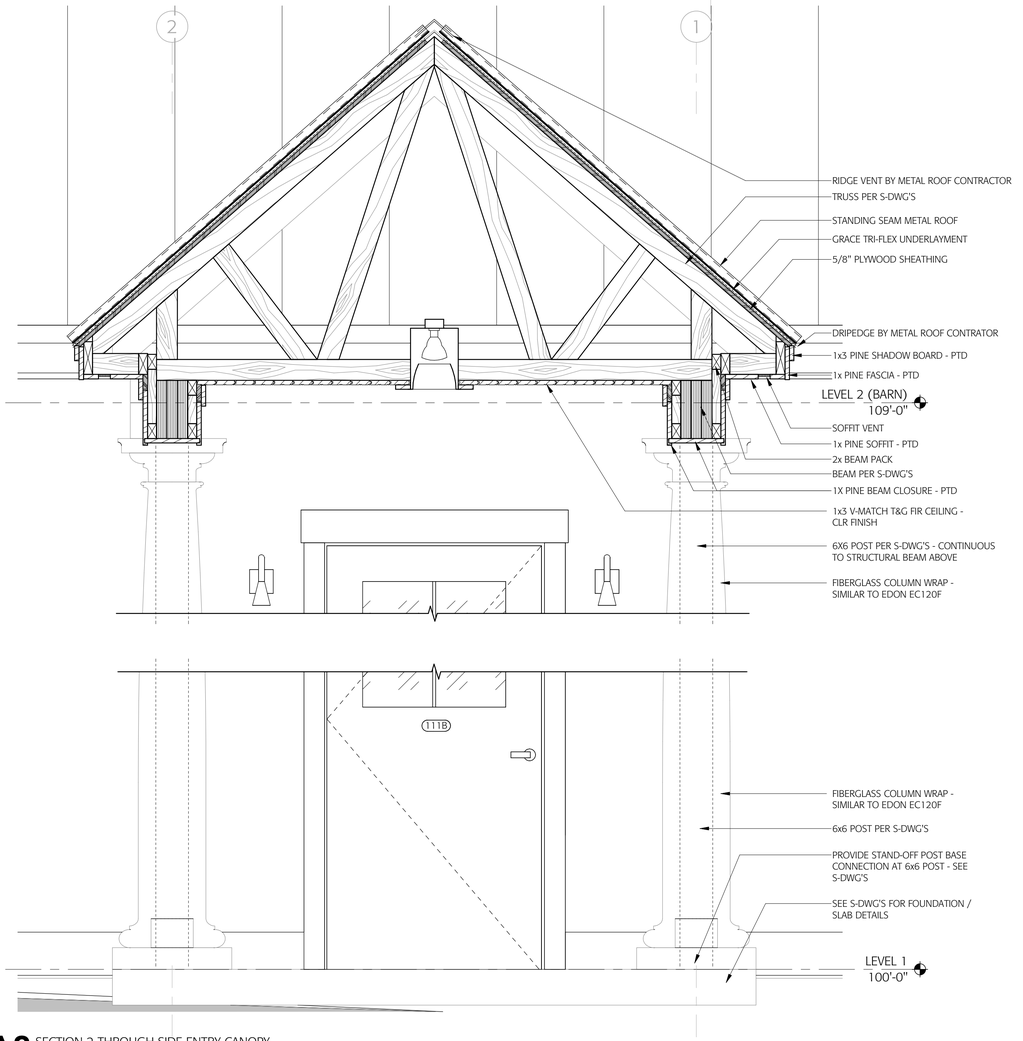


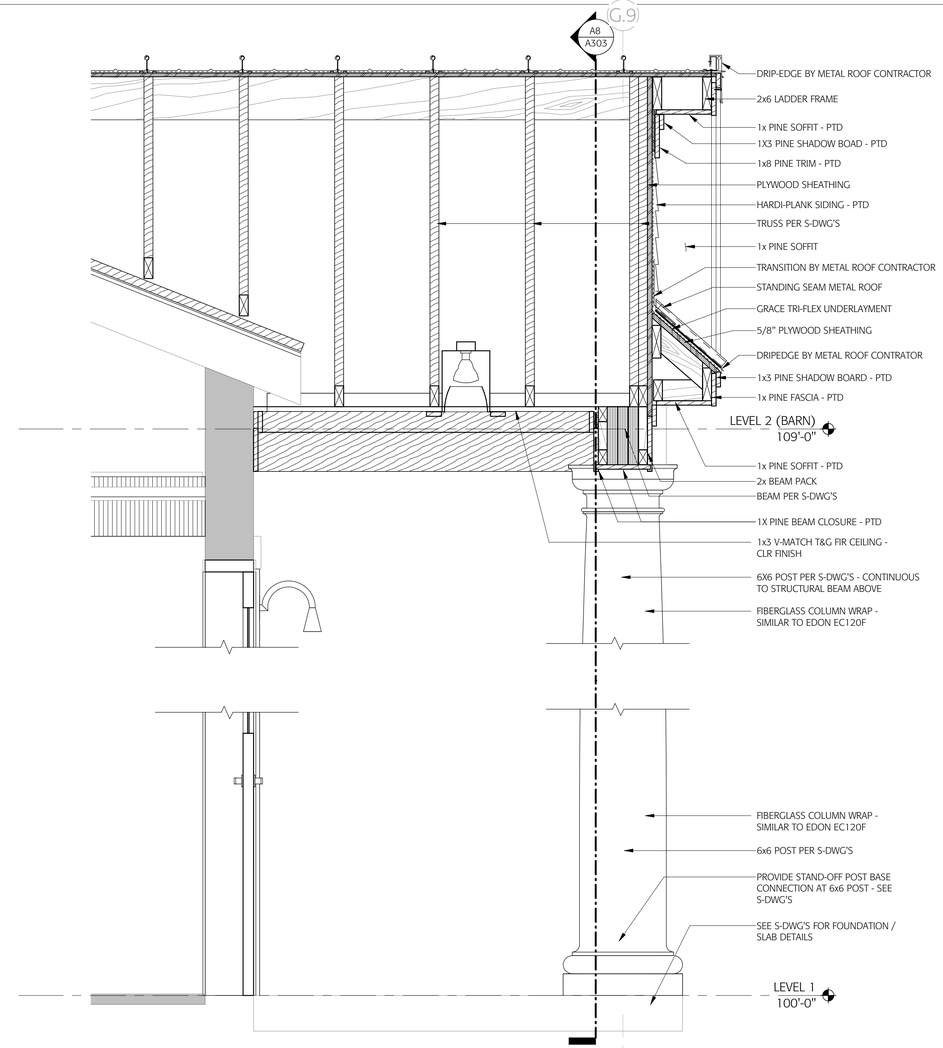
E7 DETAIL AT EPDM - EAVE
Scale: 1 1/2" = 1'-0"



E4 DETAIL AT EPDM / METAL ROOF
Scale: 1 1/2" = 1'-0"



A8 SECTION 2 THROUGH SIDE ENTRY CANOPY
Scale: 1" = 1'-0"



A4 SECTION 1 THROUGH SIDE ENTRY CANOPY
Scale: 1" = 1'-0"

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INGRID NICHOLS LIC. NO. 2739
THE STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
WALL SECTIONS

PROJECT NO: 23-129 | DATE: 3/31/25

SHEET NUMBER:
A303

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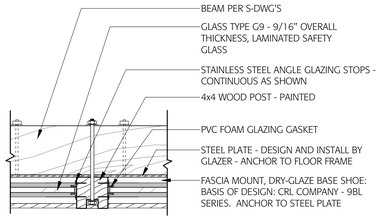
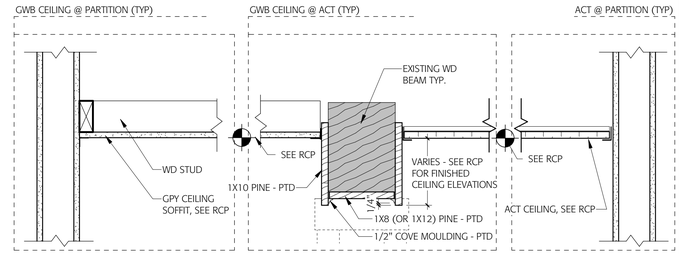
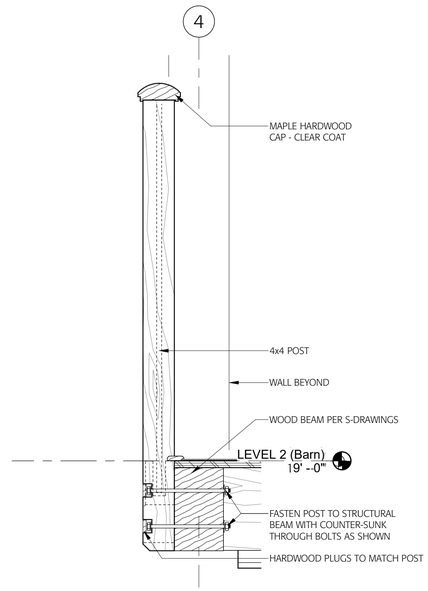


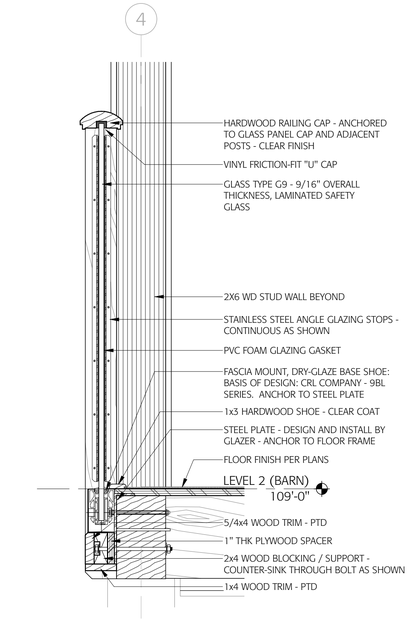
E6 PLAN DETAIL - MEZZANINE RAILING
Scale: 1 1/2" = 1'-0"



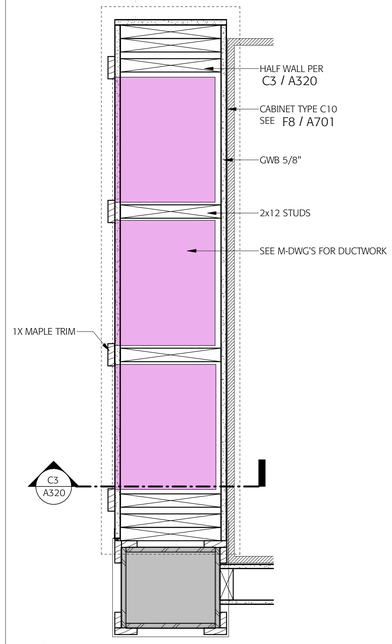
E3 SUSPENDED CEILING, TYPICAL EDGE DETAILS
Scale: 1 1/2" = 1'-0"



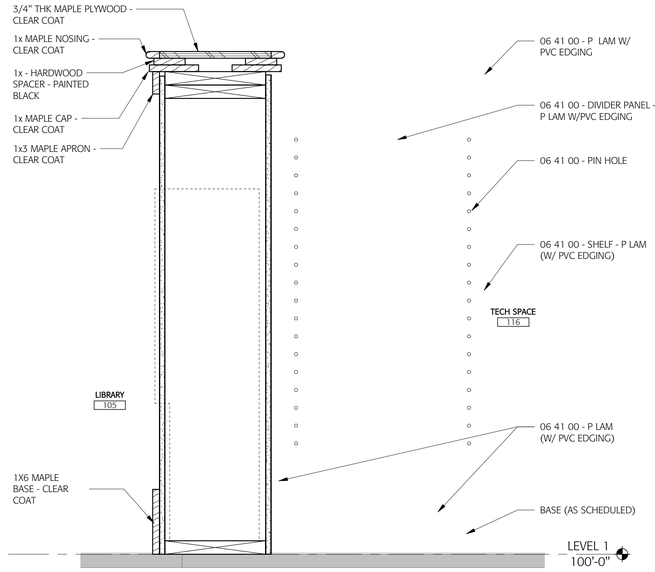
C8 DETAIL 2 AT MEZZANINE RAILING
Scale: 1 1/2" = 1'-0"



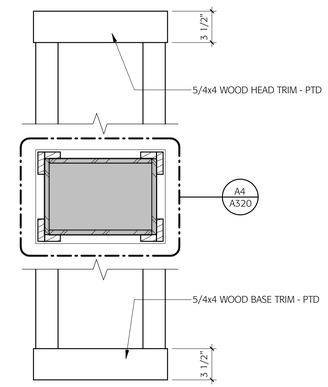
C6 DETAIL 1 AT MEZZANINE RAILING
Scale: 1 1/2" = 1'-0"



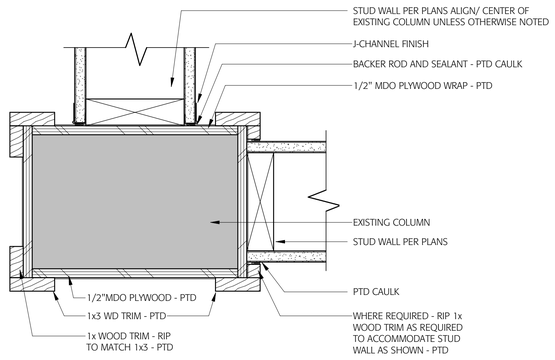
C4 HALF WALL PLAN DETAIL
Scale: 1 1/2" = 1'-0"



C3 C10 OPEN SHELF DETAIL TYP.
Scale: 1 1/2" = 1'-0"

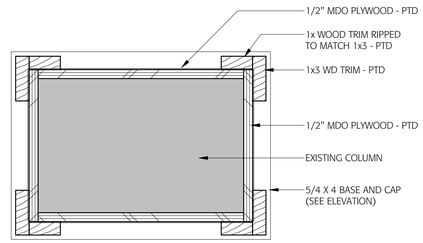


A8 INTERIOR COLUMN WRAP - ELEVATION
Scale: 1 1/2" = 1'-0"



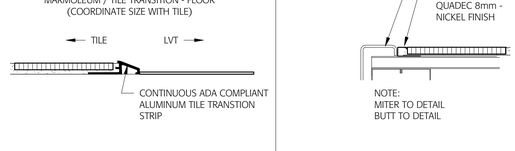
NOTE:
SHIM EXISTING COLUMNS AS REQUIRED TO ACHIEVE SQUARE / PLUMB FINISH MDO PLYWOOD SURFACES

A7 DETAIL - TYPICAL INTERIOR COLUMN WRAP AT INTERSECTING WALL
Scale: 3" = 1'-0"

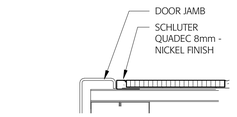


NOTE:
SHIM EXISTING COLUMNS AS REQUIRED TO ACHIEVE SQUARE / PLUMB FINISH MDO PLYWOOD SURFACES

A4 DETAIL - TYPICAL INTERIOR COLUMN WRAP
Scale: 3" = 1'-0"

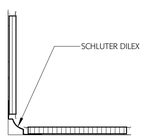


B2 TILE FLOOR TO MARMOLEUM FLOOR.
Scale: 3" = 1'-0"



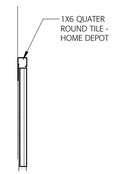
NOTE:
MITER TO DETAIL
BUTT TO DETAIL

B1 TILE WALL TO DOOR JAMB
Scale: 3" = 1'-0"



INSIDE CORNER
(COORDINATE SIZE WITH TILE)

A2 TILE WALL TO TILE FLOOR
Scale: 3" = 1'-0"



INSIDE CORNER
(COORDINATE SIZE WITH TILE)

A1 TILE WALL TO GWB
Scale: 3" = 1'-0"

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NO. 2736
THE STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
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DRAWING TITLE:
INTERIOR DETAILS

PROJECT NO: 23-129 | DATE: 3/31/25

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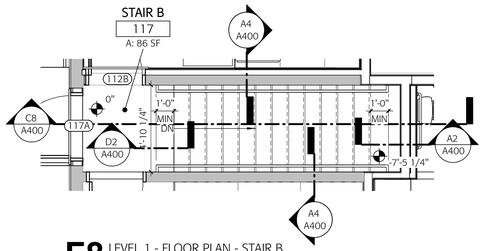
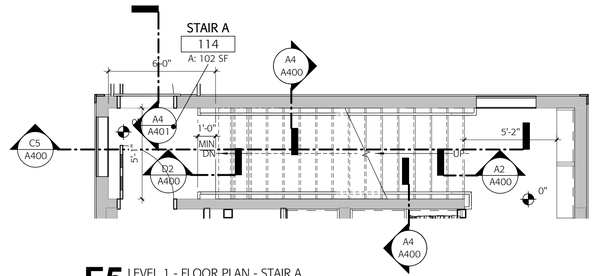
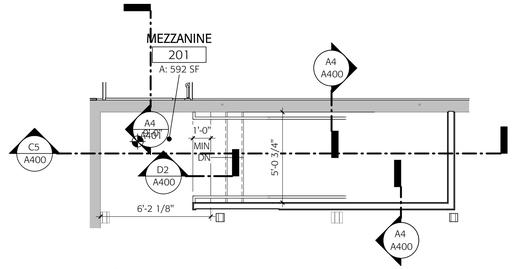


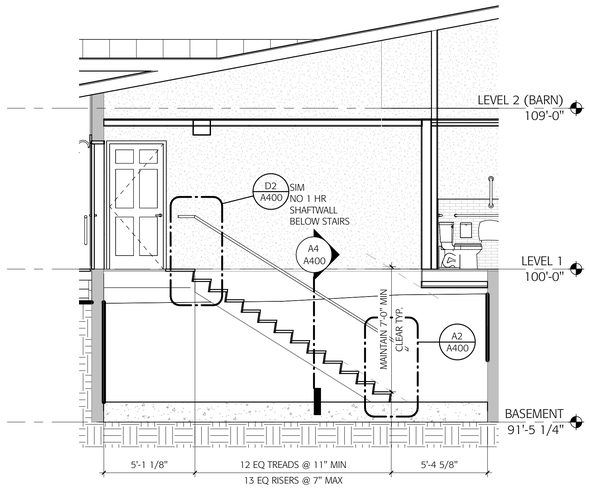
F8 LEVEL 1 - FLOOR PLAN - STAIR B
Scale: 1/4" = 1'-0"



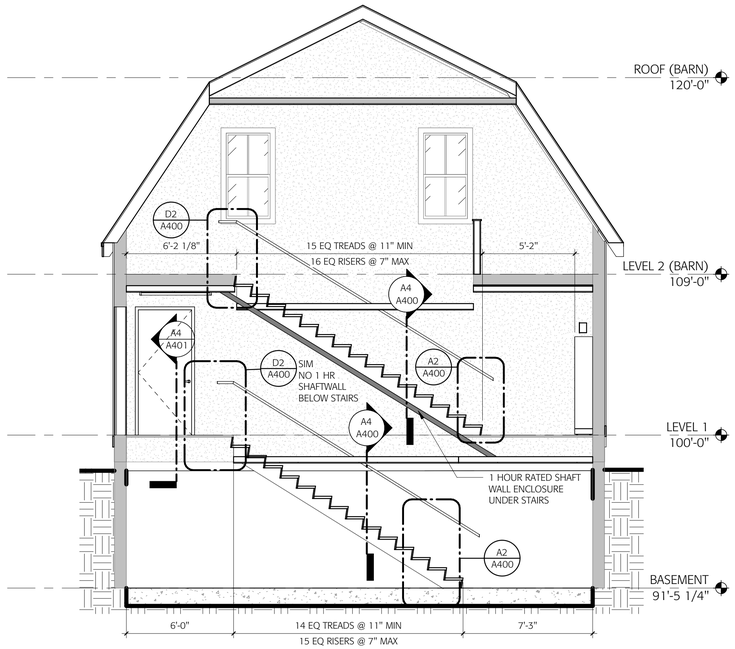
F5 LEVEL 1 - FLOOR PLAN - STAIR A
Scale: 1/4" = 1'-0"



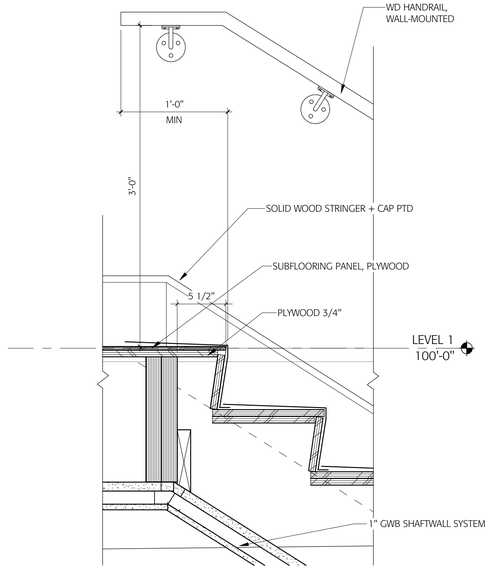
F2 LEVEL 2 - FLOOR PLAN - STAIR A
Scale: 1/4" = 1'-0"



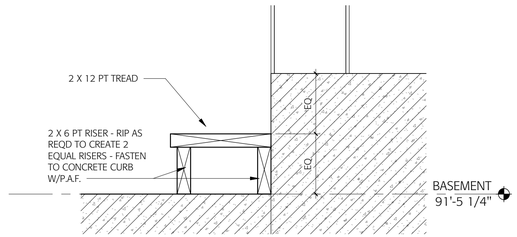
C8 Section 10
Scale: 1/4" = 1'-0"



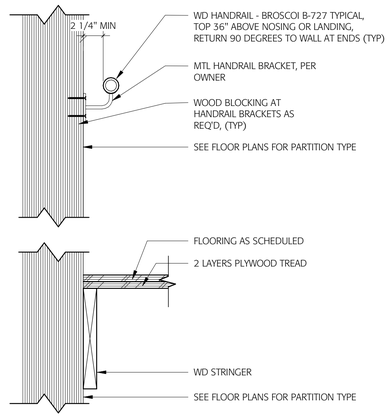
C5 Section 11
Scale: 1/4" = 1'-0"



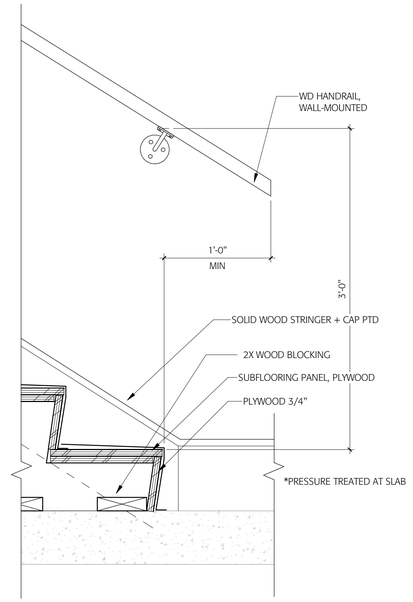
D2 TYP STAIR DETAIL AT TOP
Scale: 1 1/2" = 1'-0"



A6 BASEMENT STEP DETAIL
Scale: 1 1/2" = 1'-0"



A4 STAIR DETAIL AT WALL MOUNTED HANDRAIL
Scale: 1 1/2" = 1'-0"



A2 TYP STAIR DETAIL AT BOTTOM
Scale: 1 1/2" = 1'-0"

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NO. 2736
THE STATE OF NEW HAMPSHIRE

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PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
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PROJECT NO: 23-129 | DATE: 3/31/25

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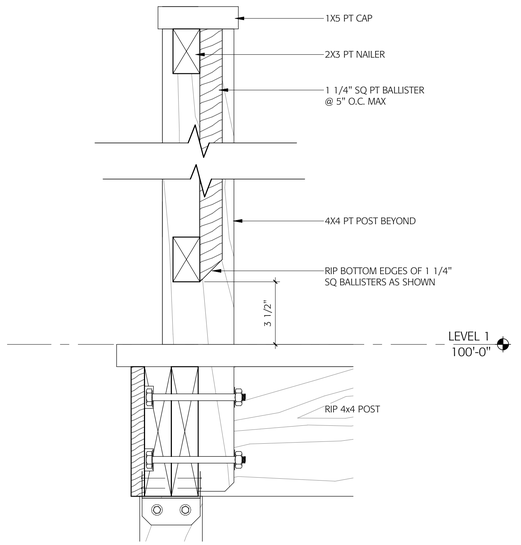
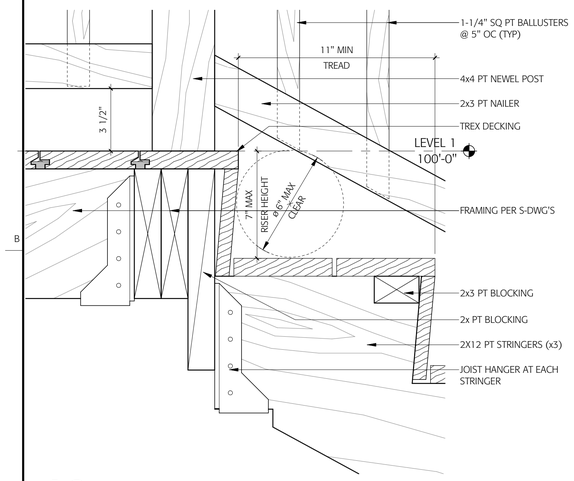
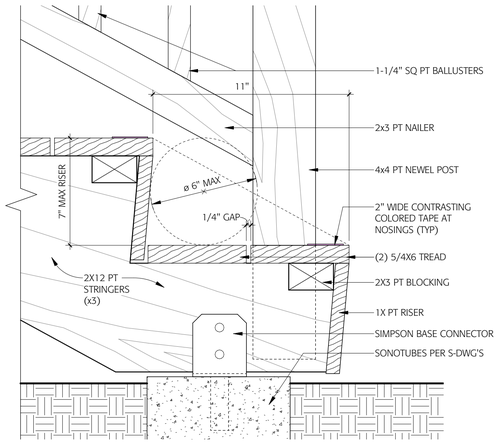


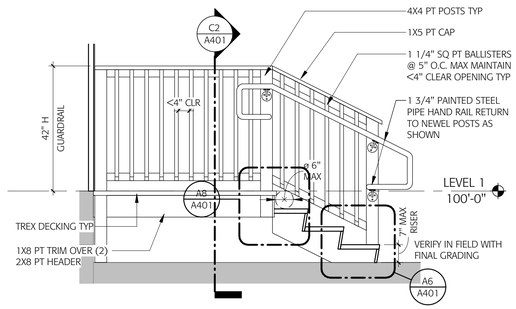
C2 TYPICAL EXTERIOR STAIR RAILING SECTION
Scale: 3" = 1'-0"



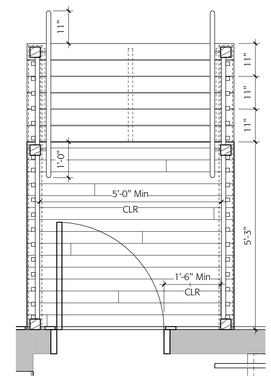
A8 EXTERIOR STAIR - DETAIL AT LANDING
Scale: 3" = 1'-0"



A6 EXTERIOR STAIR - DETAIL AT GRADE
Scale: 3" = 1'-0"



A4 TYPICAL EXTERIOR STAIR SECTION
Scale: 1/2" = 1'-0"



A2 TYPICAL EXTERIOR STAIR PLAN
Scale: 1/2" = 1'-0"

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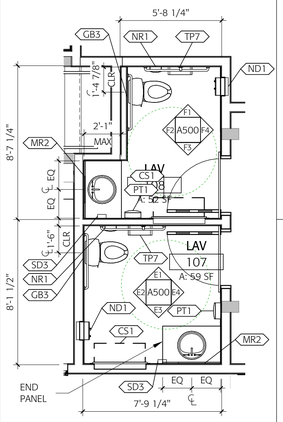
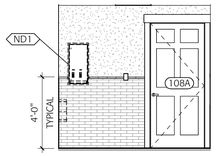
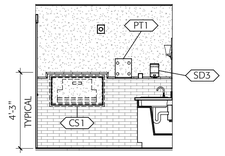


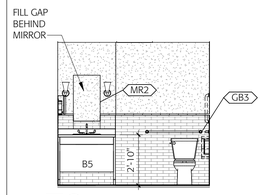
E5 ENLARGED BATHROOM PLAN
Scale: 1/4" = 1'-0"



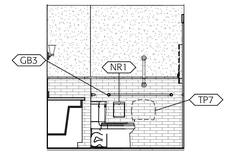
F4 LAV 108 VIEW A
Scale: 1/4" = 1'-0"



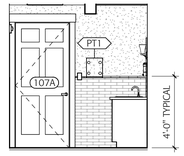
F3 LAV 108 VIEW B
Scale: 1/4" = 1'-0"



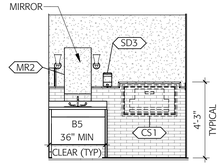
F2 LAV 108 VIEW C
Scale: 1/4" = 1'-0"



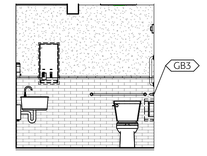
F1 LAV 108 VIEW D
Scale: 1/4" = 1'-0"



E4 LAV 107 VIEW A
Scale: 1/4" = 1'-0"



E3 LAV 107 VIEW B
Scale: 1/4" = 1'-0"



E2 LAV 107 VIEW C
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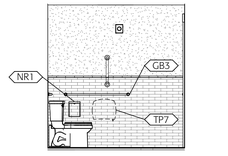
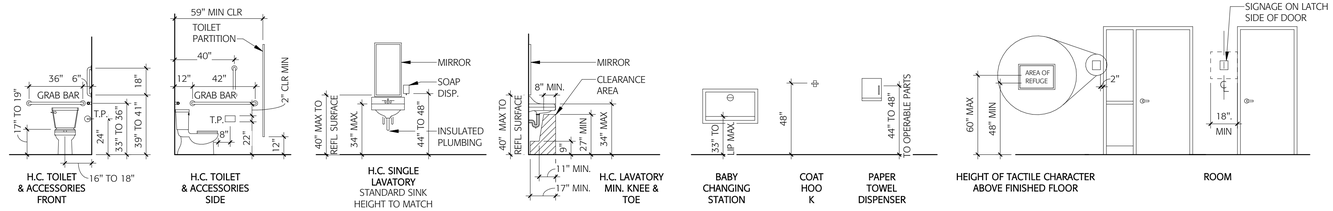
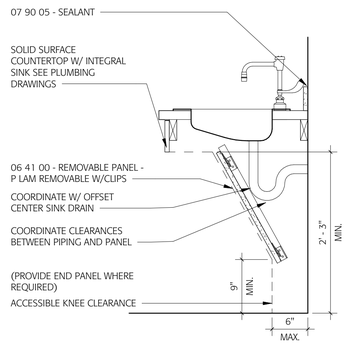


E1 LAV 107 VIEW D
Scale: 1/4" = 1'-0"

TYPICAL ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

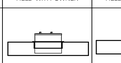
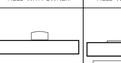
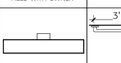
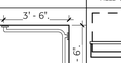
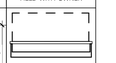
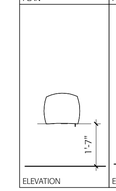
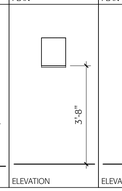
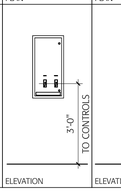
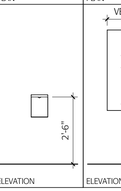
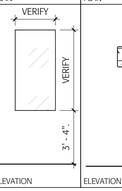
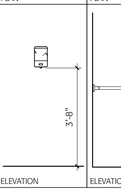
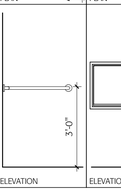
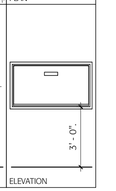
PROJECT TO COMPLY WITH 2010 ADA STANDARDS & ICC A117.1-2015.





B5 SINK SECTION - ADA T 34"
Scale: 1" = 1'-0"

ACCESSORIES - BATHROOM

TP7	PT1	ND1	NR1	MR2	SD5	GB3	CS1
10 28 00 LARGE ROLL TOILET PAPER DISPENSER	10 28 00 PAPER TOWEL DISPENSER	10 28 00 NAPKIN DISPENSER	10 28 00 NAPKIN RECEPTACLE	08 80 00 MIRROR FRAMELESS	10 28 00 SOAP DISPENSER	10 28 00 GRAB BAR	10 28 00 DIAPER CHANGING STATION
FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR				FURNISHED BY OWNER, INSTALLED BY CONTRACTOR		
SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SEMI-RECESS MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED	RECESS MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER
PLAN	PLAN	 PLAN	 PLAN	PLAN	 PLAN	 PLAN	 PLAN
 ELEVATION	 ELEVATION	 ELEVATION	 ELEVATION	 ELEVATION	 ELEVATION	 ELEVATION	 ELEVATION

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

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226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
ENLARGED RESTROOM PLANS & SCHEDULES

PROJECT NO: 23-129
DATE: 3/31/25

SHEET NUMBER:
A500

7/3/2025 8:40:41 AM C:\Users\vdaniels\Documents\21-886 Cornish Public Library_R22_tom@banwellnh.com.rvt

NEW DOOR AND FRAME SCHEDULE

OPENING			DOORS							FRAMES				HARDWARE					
OPENING NUMBER	ROOM NAME	ROOM NUMBER	TYPE	MATERIAL	FINISH	LEAVES	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	FIRE RATING	HARDWARE SET	PANIC HARDWARE	CLOSER	CARD READER	ADA OPERATOR	COMMENTS
BASEMENT																			
001A	BASEMENT	001	F	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	45 MIN	SET #06	No	No	No	No	
LEVEL 1																			
101A	ENTRY	101	FG	CLAD WD	FCT	2	6'-0 5/8"	7'-0"	1 3/4"	F3	WD	FCT	NA	MARVIN	Yes	Yes	No	Yes	
101B	ENTRY	101	FG	CLAD WD	FCT	2	6'-0 5/8"	7'-0"	1 3/4"	F3	WD	PTD	NA	MARVIN	Yes	Yes	No	Yes	
101C	ENTRY	101	P	WD	PTD	2	6'-0"	7'-0"	1 3/4"	F3	WD	PTD	NA	SET #07	No	No	No	No	
106A	OFFICE	106	FG	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	NA	SET #04	No	No	No	No	
106B	OFFICE	106	P	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	45 MIN	SET #08	No	Yes	No	No	
107A	LAV	107	P	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	NA	SET #02	No	No	No	No	
108A	LAV	108	P	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	NA	SET #02	No	No	No	No	
109A	JC	109	P	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	60 MIN	SET #03	No	Yes	No	No	
110A	CHAIR STORAGE	110	P	WD	PTD	2	4'-9"	7'-0"	1 3/4"	F3	WD	PTD	NA	SET #07	No	No	No	No	
111A	MULTIPURPOSE/MEETING	111	FG	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F5	WD	PTD	NA	SET #08	No	No	No	No	
111B	MULTIPURPOSE/MEETING	111	G	CLAD WD	FCT	1	3'-0"	7'-0"	1 3/4"	F7	WD	FCT	NA	MARVIN	Yes	Yes	Yes	Yes	WIFI KEYPAD
111C	MULTIPURPOSE/MEETING	111	FG2	CLAD WD	FCT	2	6'-0"	7'-0"	1 3/4"	F3	WD	FCT	NA	MARVIN	Yes	Yes	No	No	
112A	KITCHEN	112	P	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	NA	SET #08	No	No	No	No	
112B	KITCHEN	112	P	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	45 MIN	SET #08	No	Yes	No	No	
113A	CL	113	FG	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	NA	SET #03	No	Yes	No	No	
114A	STAIR A	114	P	WD	PTD	1	3'-0"	7'-0"	1 3/4"	F7	WD	PTD	45 MIN	SET #09	No	Yes	No	No	
114B	STAIR A	114	F	INS HM	PTD	1	3'-0"	7'-0"	1 3/4"	F7	INS HM	PTD	45 MIN	SET #01	No	Yes	No	No	
115A	HALL	115	FG	WD	PTD	2	6'-0 5/8"	7'-0"	1 3/4"	F3	WD	PTD	NA	SET #05	No	No	No	No	
117A	STAIR B	117	F	INS HM	PTD	1	3'-6"	7'-0"	1 3/4"	F7	INS HM	PTD	45 MIN	SET #10	No	Yes	Yes	No	WIFI KEYPAD

OPENING GENERAL NOTES & ABBREVIATIONS

1. SEE FIRE RATING REQUIREMENTS ON DOOR AND FRAME SCHEDULE FOR GLAZING RATINGS
2. STOPS FOR GLAZING IN BORROW LITES TO PLACED ON ROOM SIDE TYPICAL
3. INSTALL VISION SHADES @ ALL INTERIOR DOOR & BORROWED LT. GLASS PLUS EXTERIOR WINDOW SHADES @ ALL EXTERIOR WINDOWS.
4. ALL EXTERIOR HM DOORS AND FRAMES TO BE INSULATED
5. CONTACTS ON ALL EXTERIOR DOORS
6. PER IBC 2015, SECTION 2406.4 - LOCATIONS AS SPECIFIED SHALL BE CONSIDERED HAZARDOUS, REQUIRING SAFETY GLAZING MATERIALS:
   A) GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BIFOLD DOORS
   B) GLAZING ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM OF THE EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE
   C) GLAZING IN FIXED OR OPERABLE PANELS OF WINDOWS THAT MEET ALL OF THE FOLLOWING REQUIREMENTS:
      1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET (0.84 M2).
      2. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
      3. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
      4. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36 INCHES (914 MM), MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
   D) GLAZING IN GUARDS AND RAILINGS
   E) GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS - SEE IBC 2015, SEC 2046.4 FOR ADDITIONAL HAZARDOUS AREAS AND EXCEPTION

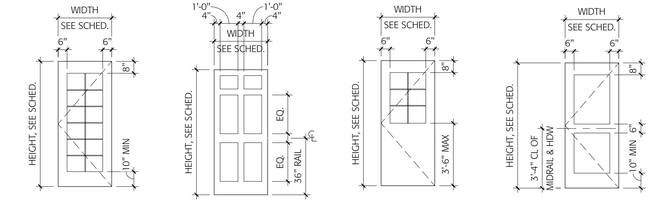
ABBREVIATIONS:
SCW - SOLID CORE WOOD (08 14 16)
SRW - STILE AND RAIL WOOD (08 14 33)
FCT - FACTORY APPLIED FINISH
PTD - PAINTED (09 91 23)
SA - SELF ADHERED

IECC 2018
PER TABLE 502.3 BUILDING ENVELOPE REQUIREMENTS:
FENESTRATION (ZONE 6)

GLAZING ABBREVIATIONS

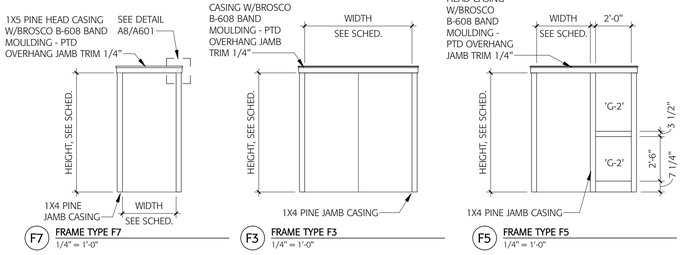
TYPE G-1 - FLOAT GLASS
TYPE G-2 - SAFETY GLAZING
TYPE G-3 - FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE G-4 - FIRE-PROTECTION-RATED GLAZING (45-60 MINUTES)
TYPE G-5 - IMPACT RESISTANT LAMINATED GLASS
TYPE G-6 - BALLISTIC GLASS & FRAME
TYPE G-7 - SPANDREL GLASS
TYPE G-8 - FIRE-PROTECTION-RATED LAMINATED SAFETY GLAZING

TYPE IG-1 - INSULATING GLASS UNITS: FLOAT GLASS, DOUBLE GLAZED.
TYPE IG-2 - INSULATING GLASS UNITS: SAFETY GLAZING.
TYPE IG-3 - INSULATING GLASS UNITS-FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE IG-4 - INSULATING GLASS UNITS-FIRE-PROTECTED RATED GLAZING (45-60 MINUTES - 20 MINUTE SIDELITES WHERE APPLICABLE)
TYPE IG-5 - INSULATING IMPACT RESISTANT LAMINATED GLASS
TYPE IG-6 - KALWALL



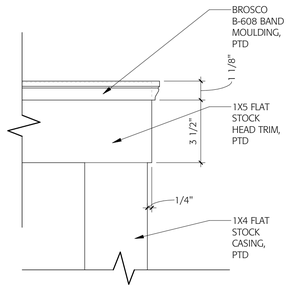
FG FULL GLASS 1/4" = 1'-0" | P PANEL 1/4" = 1'-0" | G HALF GLASS 1/4" = 1'-0" | FG2 FULL GLASS W/ MID RAIL 1/4" = 1'-0"

DOOR TYPES

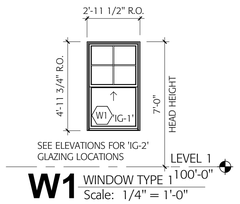


F7 FRAME TYPE F7 1/4" = 1'-0" | F3 FRAME TYPE F3 1/4" = 1'-0" | F5 FRAME TYPE F5 1/4" = 1'-0"

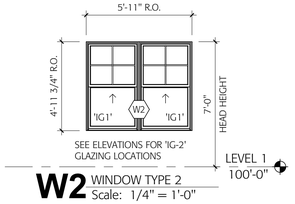
FRAME TYPES



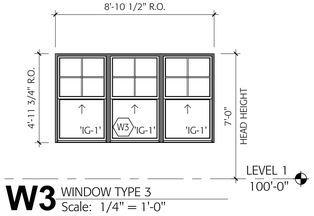
A8 TYPICAL INTERIOR DOOR/WINDOW HEAD TRIM
Scale: 3" = 1'-0"



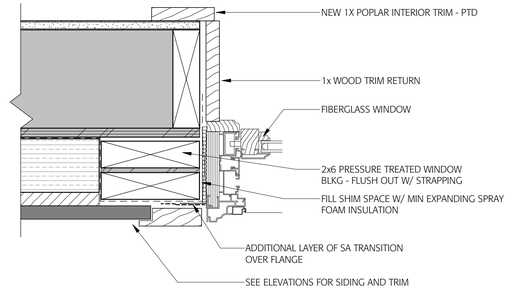
W1 WINDOW TYPE 1
Scale: 1/4" = 1'-0"



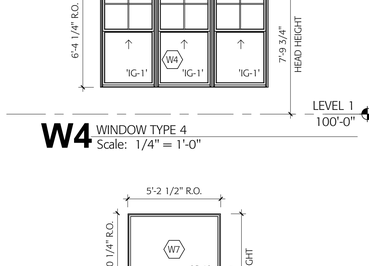
W2 WINDOW TYPE 2
Scale: 1/4" = 1'-0"



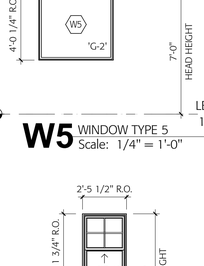
W3 WINDOW TYPE 3
Scale: 1/4" = 1'-0"



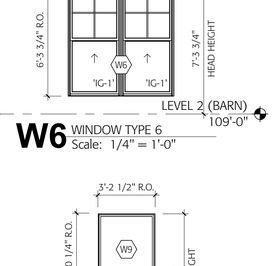
A2 WINDOW JAMB DETAIL - TYPICAL
Scale: 3" = 1'-0"
SEE A6/302 FOR HEAD & SILL DETAIL



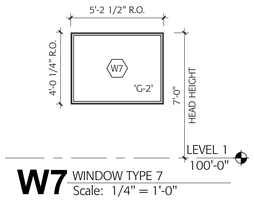
W4 WINDOW TYPE 4
Scale: 1/4" = 1'-0"



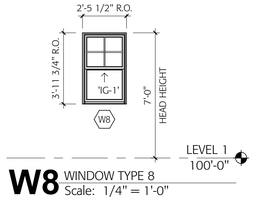
W5 WINDOW TYPE 5
Scale: 1/4" = 1'-0"



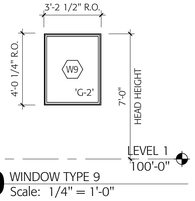
W6 WINDOW TYPE 6
Scale: 1/4" = 1'-0"



W7 WINDOW TYPE 7
Scale: 1/4" = 1'-0"



W8 WINDOW TYPE 8
Scale: 1/4" = 1'-0"



W9 WINDOW TYPE 9
Scale: 1/4" = 1'-0"

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

LICENSED ARCHITECT
INGRID NICHOLS
NO. 2730
STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
DOOR AND WINDOW SCHEDULES

PROJECT NO: 23-129 | DATE: 3/31/25

SHEET NUMBER:
A601

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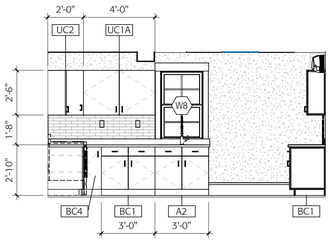
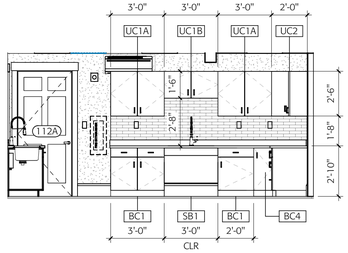
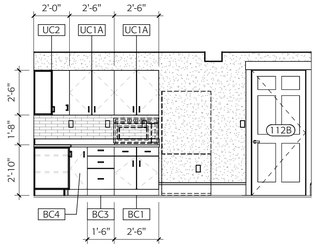


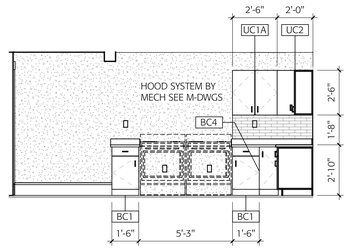
E8 KITCHEN CASEWORK ELEVATION A
Scale: 1/4" = 1'-0"



E6 KITCHEN CASEWORK ELEVATION B
Scale: 1/4" = 1'-0"



E5 KITCHEN CASEWORK ELEVATION C
Scale: 1/4" = 1'-0"



E3 KITCHEN CASEWORK ELEVATION D
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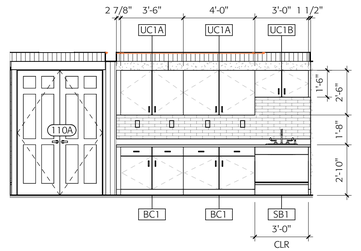
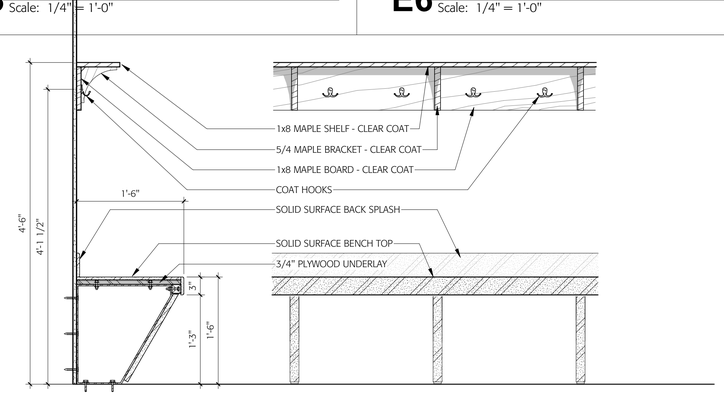
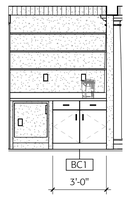


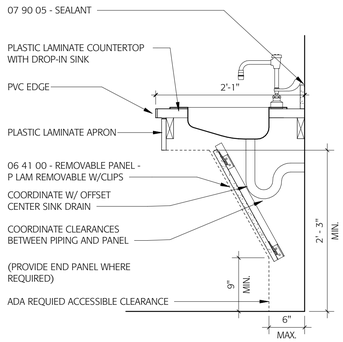
E2 MULTIPURPOSE ROOM CASEWORK
Scale: 1/4" = 1'-0"



D8 DETAIL - ADULT SHOES and COATS
Scale: 1" = 1'-0"



D5 COFFEE STATION CASEWORK
Scale: 1/4" = 1'-0"



SB1 SINK SECTION - ADA T 34" Copy 1
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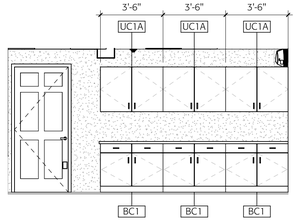

D2 OFFICE CASEWORK
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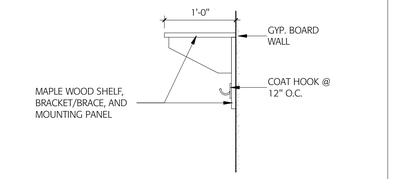

B8 SHELF/COAT HOOK DETAIL
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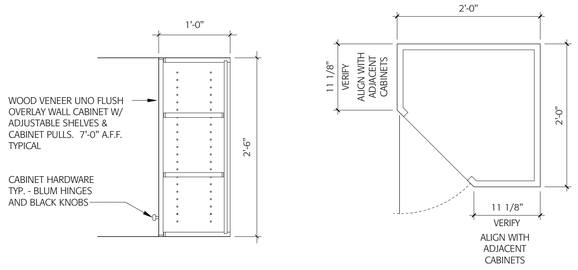
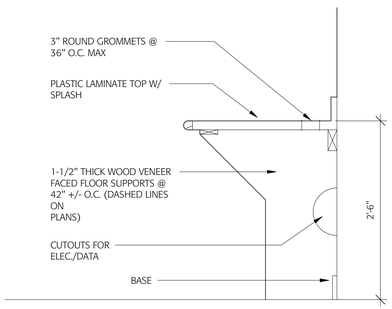


UC2 UC2 - UPPER CABINET - CORNER CABINET
Scale: 1" = 1'-0"



BC5 BC5 - WORK COUNTER
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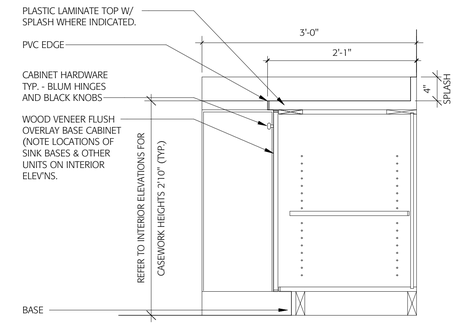
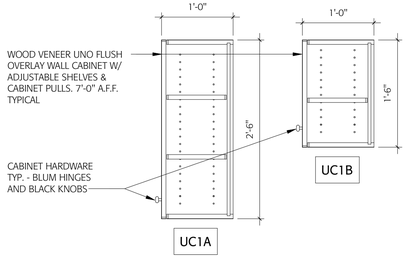
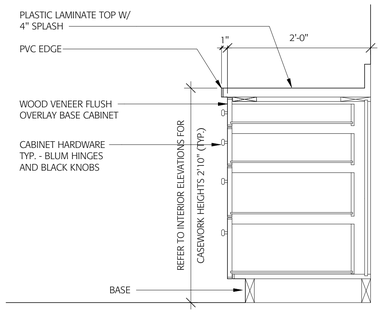


BC4 BC4 - BASE CABINET - LAZY SUSAN
Scale: 1" = 1'-0"



UC1 UC1 - UPPER CABINETS
Scale: 1" = 1'-0"



BC3 BC-3 BASE CABINET DRAWERS
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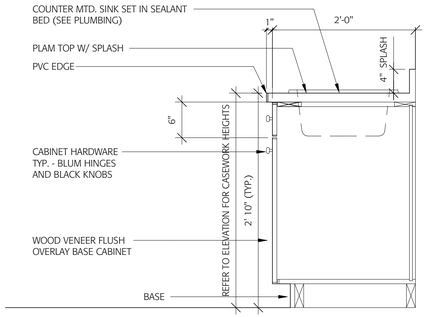
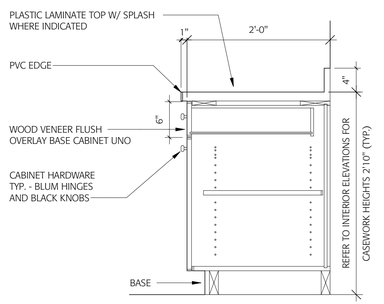


BC2 BC2 - BASE CABINET W/ SINK
Scale: 1" = 1'-0"



BC1 BC1 - BASE CABINET WITH DRAWER
Scale: 1" = 1'-0"

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GENERAL CASEWORK NOTES:
1. ALL CABINET DOORS SHALL BE SHAKER STYLE, SEE SPECIFICATIONS.

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NO. 2730
THE STATE OF NEW HAMPSHIRE

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
CORNISH LIBRARY & COMMUNITY CENTER
226 NH-120
CORNISH FLAT, NH 03746

ISSUED:
CONSTRUCTION DOCUMENTS

DRAWING TITLE:
INTERIOR ELEVATIONS

PROJECT NO: 23-129 DATE: 3/31/25

SHEET NUMBER:
A700

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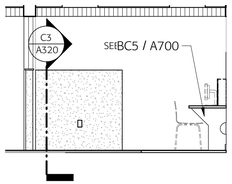
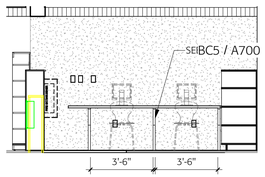


F8 TECH SPACE ELEVATION A
Scale: 1/4" = 1'-0"



F7 TECH SPACE ELEVATION B
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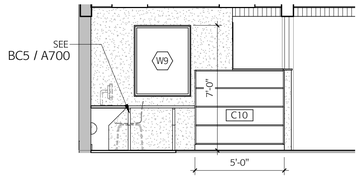

F5 TECH SPACE ELEVATION C
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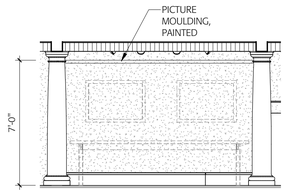
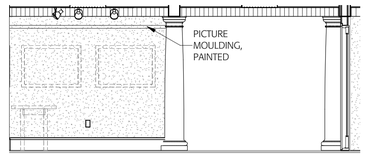


F4 ART DISPLAY ELEVATION A
Scale: 1/4" = 1'-0"



F3 ART DISPLAY ELEVATION B
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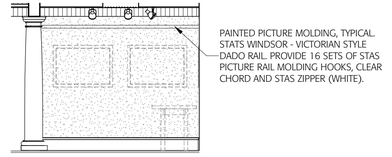

F2 ART DISPLAY ELEVATION C
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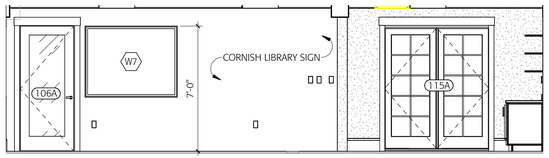

E8 CIRCULATION DESK ELEVATION A
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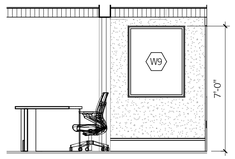

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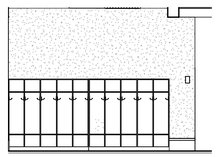

E4 CHILDRENS SHOES/COATS A
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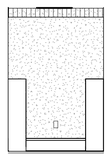

E3 CHILDRENS SHOES/COATS B
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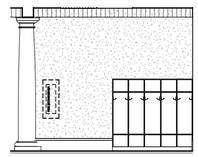

E2 CHILDRENS SHOES/COATS C
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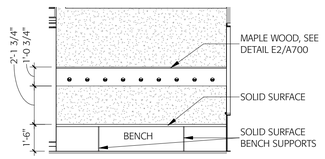

E1 ADULT SHOES/COATS
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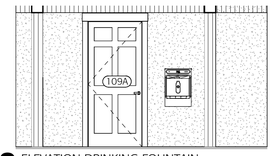

D8 ELEVATION DRINKING FOUNTAIN
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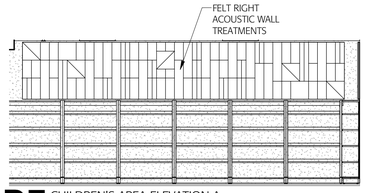

D7 CHILDREN'S AREA ELEVATION A
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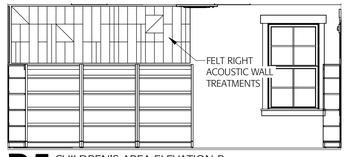
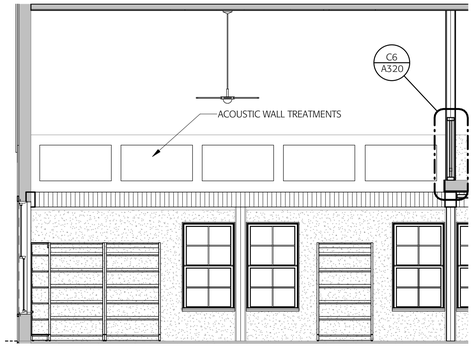
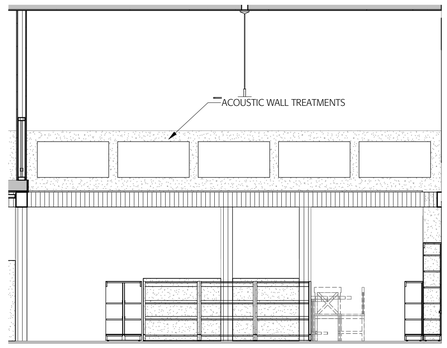


D5 CHILDREN'S AREA ELEVATION B
Scale: 1/4" = 1'-0"



C4 LIBRARY ELEVATION A
Scale: 1/4" = 1'-0"



C2 LIBRARY ELEVATION B
Scale: 1/4" = 1'-0"

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CORNISH FLAT, NH 03746

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PROJECT NO: 23-129 | DATE: 3/31/25

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A701

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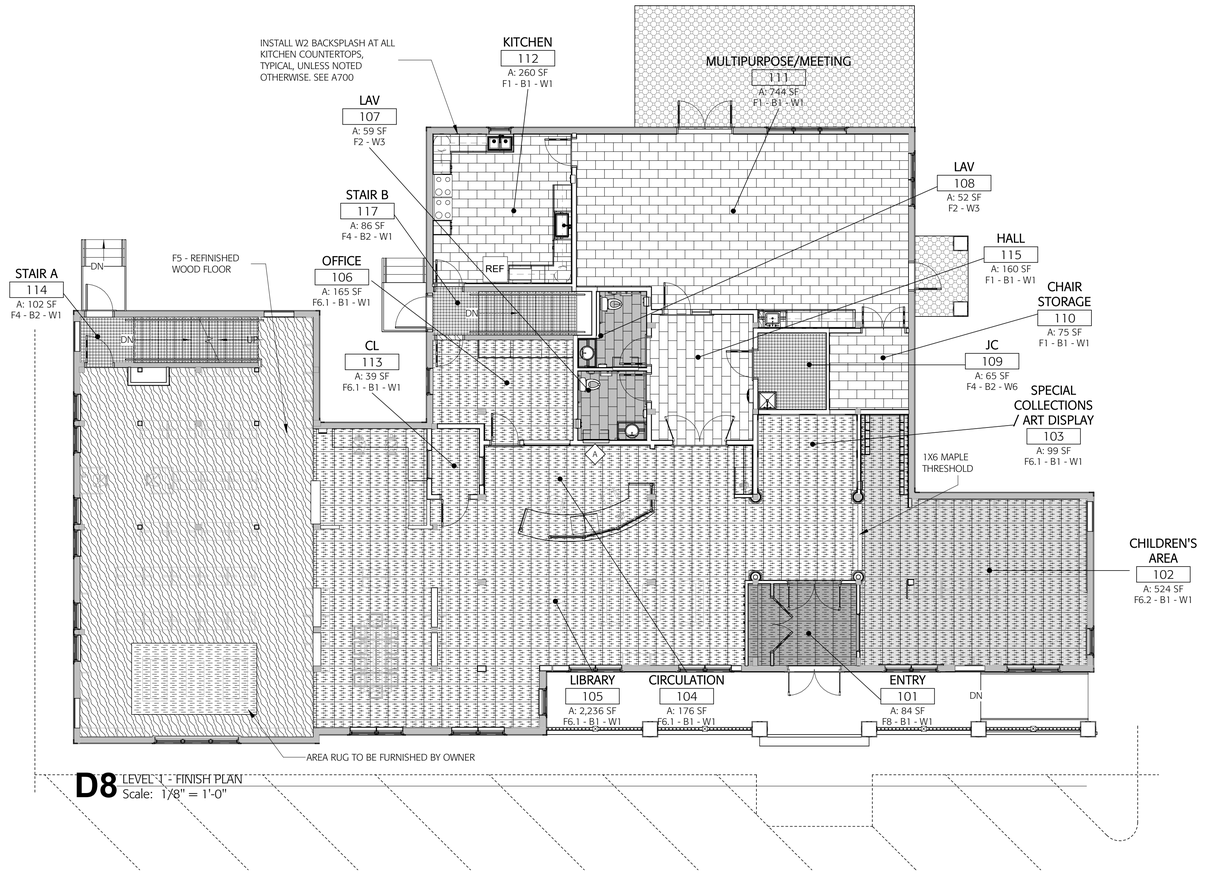
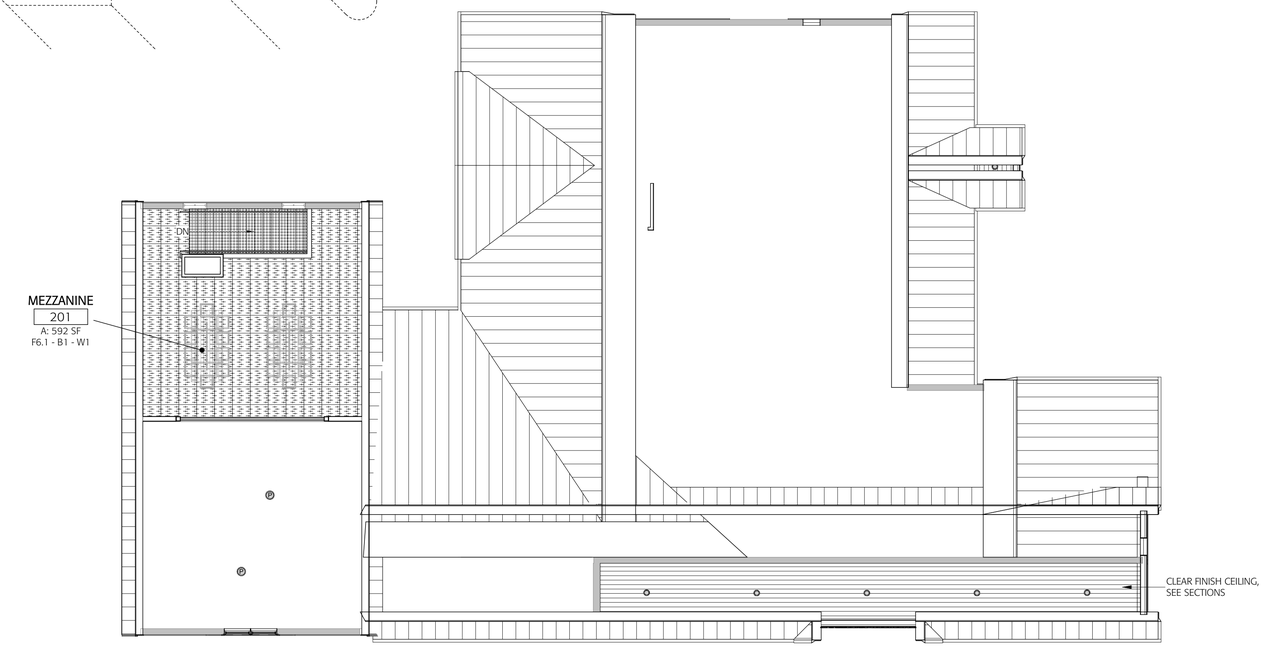


D8 LEVEL 1 - FINISH PLAN
Scale: 1/8" = 1'-0"



A5 LEVEL 2 - FINISH PLAN
Scale: 1/8" = 1'-0"

GROUP #	ITEM	LOCATION	COLOR	FINISH	MANUFACTURER	COMMENT
6	EXTERIOR DECKING					SEE SPECIFICATION
7	METAL ROOF					SEE SPECIFICATION
9	ACOUSTIC CEILING TILES					SEE SPECIFICATION
9	LVT FLOORING					SEE SPECIFICATION
9	PAINT	EXTERIOR SIDING	BRIGHT WHITE			
9	PAINT	EXTERIOR TRIM/ AND DOOR SAND WINDOWS	WHITE	FLAT		
9	PAINT	INTERIOR BASEBOARD	SUPER WHITE			
9	PAINT	INTERIOR BEAM TRIM	ABINTON PUTTY COLOR		BENJAMIN MOORE OR EQUAL	
9	PAINT	INTERIOR COLUMN POST TRIM	ABINTON PUTTY COLOR		BENJAMIN MOORE OR EQUAL	
9	PAINT	INTERIOR DOOR / WINDOW TRIM	SUPER WHITE			
9	PAINT	INTERIOR DOOR LEAFS	SUPER WHITE			
9	PAINT	INTERIOR WALLS	SUPER WHITE			
9	TILE CARPET					SEE SPECIFICATION
9	TILING					SEE SPECIFICATION
10	TOILET ACCESSORIES					SEE SPECIFICATION
12	PLASTIC LAMINATE	COUNTERTOPS	ESTELLA	MATTE	POINITE BY PANOLAM	

FINISH SCHEDULE NOTES:
1. ALL LISTED COLORS/FINISHES HAVE BEEN SELECTED/DETERMINED BY THE OWNER.
2. SEE SPECIFICATIONS FOR ADDITIONAL COLOR SELECTIONS.
3. ALL COLORS SHALL BE CONFIRMED BY THE CONTRACTOR AND OWNER PRIOR TO PURCHASE.

FINISHES LEGEND

WALLS

W1 PAINT
W2 TILE CT1
W3 TILE CT1 & CT2 TO 48" A.F.F. W/ W1 PAINT TO CEILING, SEE ELEVATIONS
W6 FIBERGLASS REINFORCED PLASTIC PANELS TO 48" AFF (SEE FINISH NOTES)

BASE

B1 1X8 WD BASE WITH #WM163 8455 BROCKWAY CATALOGUE MOULDING
B2 4" RESILIENT BASE

FLOORS

F1 LVT — F1

F2 PORCELAIN TILE — F2

F4 RUBBER STAIR TREADS, RISERS, LANDINGS, FLOORS — F4

F5 REFINISH EXISTING WOOD FLOORS — F5

F6 CARPET TILE CARPET
F6.1 NRF SELECT COMMERCIAL 24"X24" CARPET TILE RAMBLE HAZEL
F6.2 NRF SELECT COMMERCIAL 24"X24" CARPET TILE RAMBLE HERBAL

F8 ENTRANCE GRID — F8: WALK OFF CARPET

GENERAL FINISH NOTES

1. ALL FINISH MATERIAL SELECTIONS ARE BY OWNER. THE OWNER HAS SELECTED THE SPECIFIC DURABILITY AND QUANTITY OF THOSE MATERIALS ARE THE OWNERS RESPONSIBILITY.
2. PAINT ALL TRIM AND GYPSUM BOARD CEILINGS, UNLESS NOTED OTHERWISE.
3. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION, PRODUCT AND INSTALLATION REQUIREMENTS.

GENERAL PAINT COLOR NOTES (PER OWNER DIRECTION)

1. SEE SPECIFICATION.
2. EXTERIOR WOOD SIDING: "BRIGHT WHITE"
3. INTERIOR BASEBOARD "SUPER WHITE"
4. INTERIOR GWB WALLS: "SUPER WHITE"
5. INTERIOR POST/ COLUMN TRIM: BENJAMIN MOORE "ABINGTON PUTTY" OR EQUAL
6. INTERIOR CARRING BEAM TRIM: BENJAMIN MOORE "ABINGTON PUTTY" OR EQUAL"

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LICENSED ARCHITECT
INGRID NICHOLS
NO. 2736
THE STATE OF NEW HAMPSHIRE

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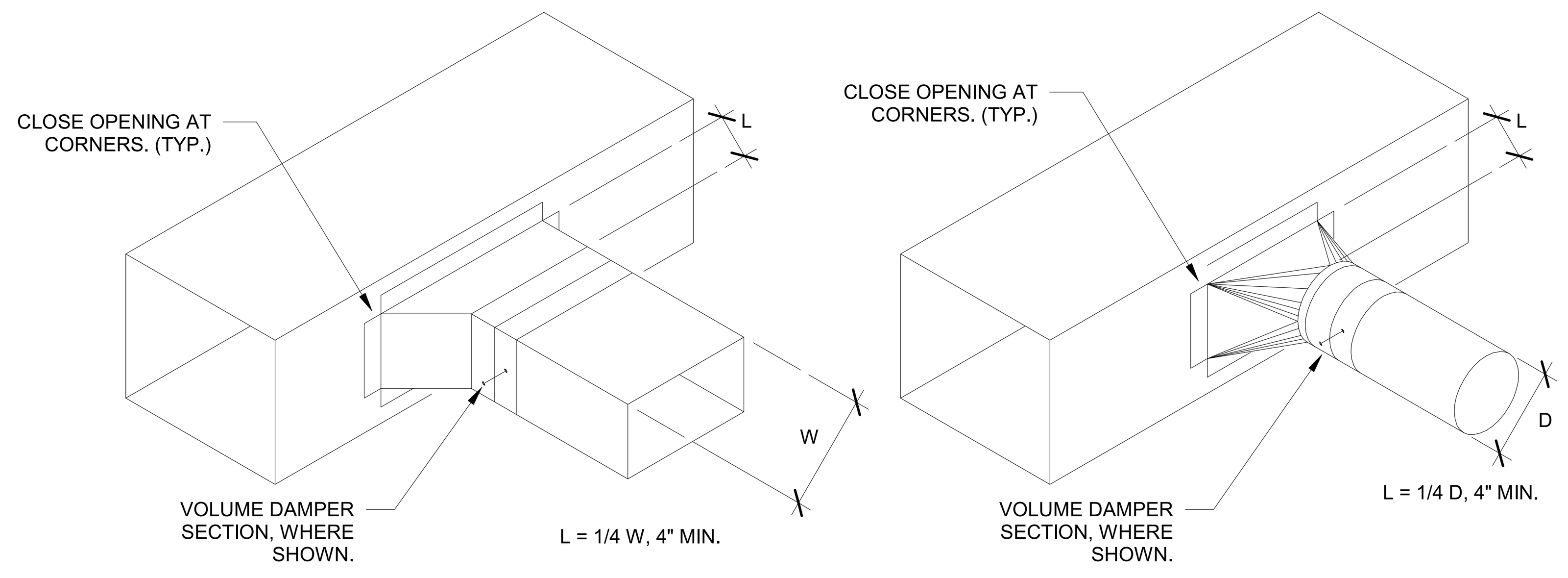
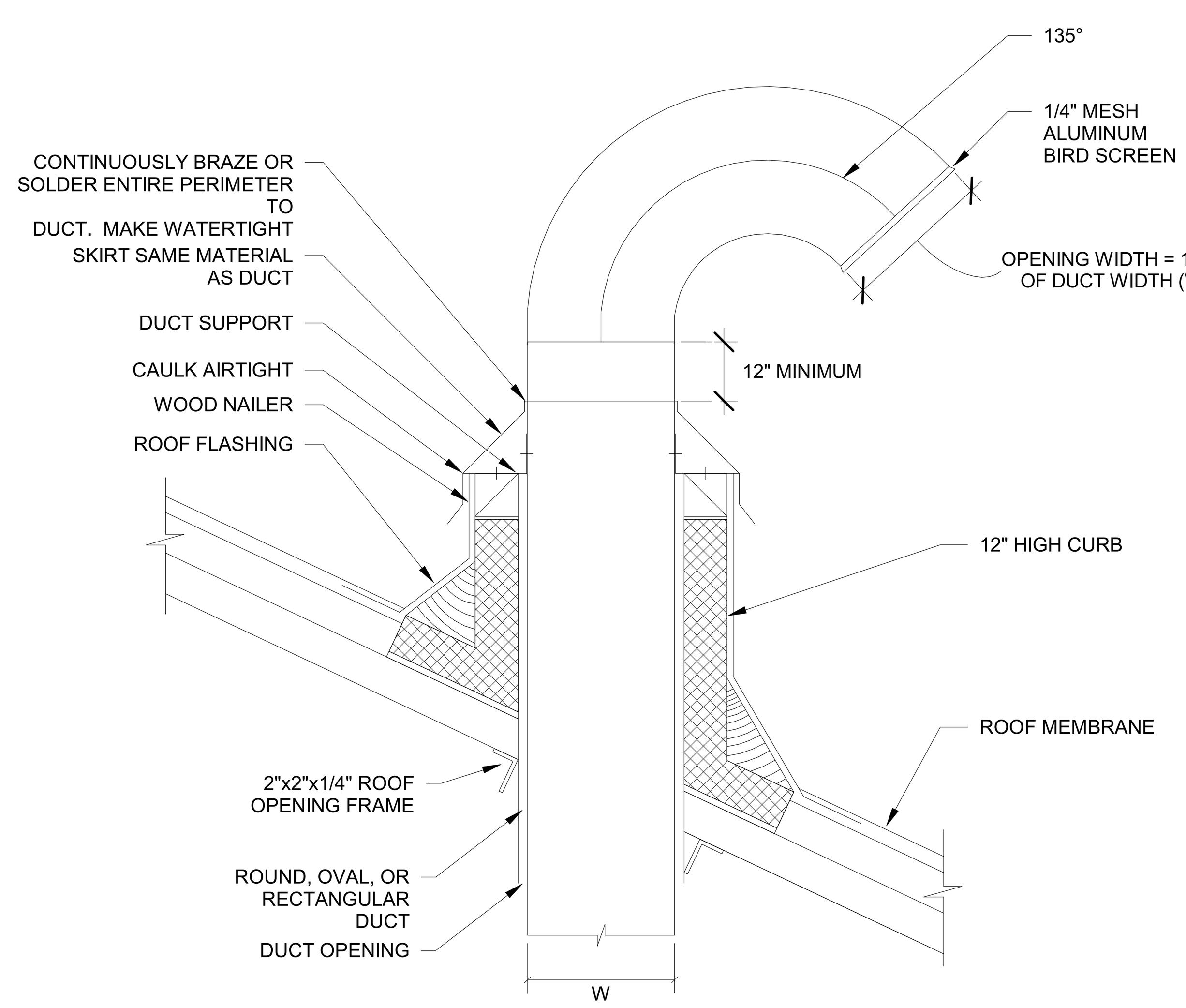


TYPICAL BRANCH CONNECTION DETAIL
NO SCALE



GOOSENECK VENT DETAIL
NO SCALE
NOTES:

1. G.C. TO PROVIDE ROOF OPENING, FRAMING AND FLASHING. LOCATION, SETTINGS AND SECURING OF CURB BY HVAC.
2. PROVIDE SHIMS WHERE REQUIRED TO LEVEL SUPPORT.

HUMIDIFIER SCHEDULE - ELECTRIC - 25% RH

UNIT NO.	LOCATION	SERVICE	CFM	MAX CAPACITY BTU/HR	WATTS	VOLTS	PHASE	DESIGN EQUIPMENT
H-1	AS SHOWN	HUMIDITY	--	20.0	7500	240	1 Φ	CONDAIR EL 020
H-2	AS SHOWN	HUMIDITY	--	10.0	3700	240	1 Φ	CONDAIR EL 010
H-3	AS SHOWN	HUMIDITY	--	10.0	3700	240	1 Φ	CONDAIR EL 010

*PROVIDE WITH BLOWER PACK.

DE-HUMIDIFIER SCHEDULE - ELECTRIC - 60% RH

UNIT NO.	LOCATION	SERVICE	CFM	MAX CAPACITY BTU/HR	WATTS	VOLTS	PHASE	DESIGN EQUIPMENT
DH-1	AS SHOWN	DE-HUMID.	--	5.2	--	120	1 Φ	APRILAIRE E130
DH-2	AS SHOWN	DE-HUMID.	--	3.0	--	120	1 Φ	APRILAIRE E070
DH-3	AS SHOWN	DE-HUMID.	--	3.0	--	120	1 Φ	APRILAIRE E070

BRANCH BOX SCHEDULE - HEAT RECOVERY

UNIT NO.	LOCATION	SERVICE	CATAGORY (MAIN/SUB)	NUMBER BRANCHES	NUMBER CONNECTED	VOLTS	PHASE	MCA	DESIGN EQUIPMENT
BB-1	AS SHOWN	ASHP-1	SINGLE	6	6	240	1 Φ	1.0	TOSHIBA CARRIER RBM-Y0611F6PUL

HEATING COIL SCHEDULE - ELECTRIC

UNIT NO.	LOCATION	SERVICE	CFM	KW	MBH	PHASE	VOLTS	LENGTH IN	HEIGHT IN	DEPTH IN	DESIGN EQUIPMENT
HC-1	AS SHOWN	ERV-1	330	2.0	6.4	1 Φ	240	11.0	10.0	6.0	RENEWAIRE EK-1008002FCC
HC-2	AS SHOWN	ERV-2	970	8.0	27.3	1 Φ	240	15.0	14.0	6.0	RENEWAIRE EK-1412008FCC

UNIT HEATER SCHEDULE - ELECTRIC

UNIT NO.	LOCATION	SERVICE	TYPE	CFM	MBH	KW	VOLTS	PHASE	E.A.T. °F	L.A.T. °F	FAN MOTOR				DESIGN EQUIPMENT
											RPM	HP	VOLTS	PHASE	
CUH-A	AS SHOWN	HEAT	WALL	65	1.7	0.5	120	1 Φ	50.0	74.3	--	--	120	1 Φ	QMARK CWH1101DSF
CUH-1	AS SHOWN	HEAT	WALL	100	5.1	1.5	120	1 Φ	60.0	104.4	--	--	120	1 Φ	QMARK AWH3150F
UH-A	AS SHOWN	HEAT	HORZ.	350	10.2	3.0	240	1 Φ	50.0	77.1	--	--	240	1 Φ	QMARK MUH0321-PRO-SSP

AIR TO AIR HEAT RECOVERY UNIT SCHEDULE

90° F AMBIENT AIR

UNIT NO.	LOCATION	SERVICE	SUMMER				WINTER				SUPPLY / EXHAUST FAN					VOLTS	PHASE	STARTER	DESIGN EQUIPMENT
			VENT. E.A.T.	VENT. L.A.T.	EXHAUST E.A.T.	EXHAUST L.A.T.	VENT. E.A.T.	VENT. L.A.T.	EXHAUST E.A.T.	EXHAUST L.A.T.	S.P. IN W.G. EXT	S.P. IN W.G. TOTAL	CFM	RPM	FAN HP				
ERV-1	AS SHOWN	VENTILATION	90.0 / 72.0	78.6 / 66.6	75.0 / 62.5	-- / --	-12.0	50.1	70.0	--	0.5 / 0.5	-- / --	330 / 330	2089 / 2071	330W / 330W	230	1 Φ	MAG. / MAG.	RENEWAIRE HE07-JINH-S15AA
ERV-2	AS SHOWN	VENTILATION	90.0 / 72.0	79.2 / 67.1	75.0 / 62.5	-- / --	-12.0	47.0	70.0	--	0.8 / 0.8	-- / --	970 / 970	1661 / 1641	480W / 480W	240	1 Φ	MAG. / MAG.	RENEWAIRE HE-1.5JINH-S15EE

DUCTLESS AIR CONDITIONING UNIT SCHEDULE - HEAT PUMP

90° F / -12° F AMBIENT AIR

CONDENSER UNIT NO.	LOCATION	SERVICE	CAPACITY TONS	CONDENSER			COMPRESSOR					EVAPORATORS @ AHRI										DESIGN EQUIPMENT	EVAPORATOR MODEL	CONDENSER MODEL
				NO. OF FANS	FAN MOTOR	REFRIG. TYPE	COOLING MBH	HEATING MBH	VOLTS	PHASE	MCA	UNIT #	TYPE	COOLING (MBH)	HEATING (MBH)	CFM	OA CFM	FAN POWER	VOLTS	PHASE	MCA			
ASHP-2	AS SHOWN	AS SHOWN	4.0	2	--	R410a	48.0	64.0	240	1 Φ	36.3	FC-2-1	DUCT	41.5	33.3	955	535	--	240	1 Φ	3.4	TOSHIBA CARRIER	MMD-UP0421BHP-UL	MCY-MAP0487HS-UL

*PROVIDE EVAPORATOR WITH INTEGRAL CONDENSATE PUMP, PIPE CONDENSATE TO NEAREST INDIRECT WASTE CONNECTION.
**PROVIDE LOW AMBIEN WIND BAFFLES, ELEVATED SUPPORT FRAME AND PAN HEATER

DUCTLESS AIR CONDITIONING UNIT SCHEDULE - HEAT RECOVERY

90° F / -12° F AMBIENT AIR

CONDENSER UNIT NO.	LOCATION	SERVICE	CAPACITY TONS	CONDENSER			COMPRESSOR					EVAPORATORS @ AHRI										DESIGN EQUIPMENT	EVAPORATOR MODEL	CONDENSER MODEL
				NO. OF FANS	FAN MOTOR	REFRIG. TYPE	COOLING MBH	HEATING MBH	VOLTS	PHASE	MCA	UNIT #	TYPE	COOLING (MBH)	HEATING (MBH)	CFM	OA CFM	FAN POWER	VOLTS	PHASE	MCA			
ASHP-1	AS SHOWN	AS SHOWN	12.0	2	1.0KW + 1.0 KW	R410a	138.0	154.0	240	1 Φ	47.0 + 47.0	FC-1-1	VERT.	42.0	30.0	1340	330	--	240	1 Φ	6.1	TOSHIBA CARRIER	MMD-AP0420VHG2UL	AP1446FT2P-UL
												FC-1-2	DUCT	42.0	31.7	955	295	--	240	1 Φ	3.4	TOSHIBA CARRIER	MMD-UP0421BHP-UL	
												FC-1-3	WALL	15.4	11.3	405	--	--	240	1 Φ	6.1	TOSHIBA CARRIER	MMK-UP0151HP-UL	
												FC-1-4	4-WAY	12.0	9.0	300	--	--	240	1 Φ	0.5	TOSHIBA CARRIER	MMU-UP0121MH-UL	
												FC-1-5	WALL	7.5	5.6	225	--	--	240	1 Φ	6.1	TOSHIBA CARRIER	MMK-UP0071HP-UL	
												FC-1-6	WALL	9.5	7.0	230	--	--	240	1 Φ	6.1	TOSHIBA CARRIER	MMK-UP0091HP-UL	

*PROVIDE EVAPORATOR WITH INTEGRAL CONDENSATE PUMP, PIPE CONDENSATE TO NEAREST INDIRECT WASTE CONNECTION.
**PROVIDE LOW AMBIEN WIND BAFFLES, ELEVATED SUPPORT FRAME AND PAN HEATER

MAKE-UP AIR UNIT SCHEDULE - DX/GAS

UNIT NO.	LOCATION	SERVICE	MAX O.A. CFM	MIN O.A. CFM	S.P. IN W.G.		FAN RPM	FAN NO. AND MIN. DIA.	MOTOR						COOLING COIL							RE-HEAT PERFORMANCE				HEATING COIL					DESIGN EQUIPMENT
					EXT	TOTAL			RPM	HP	VOLTS	PHASE	STARTER	MCA	E.A.T. DB °F	E.A.T. WB °F	L.A.T. DB °F	L.A.T. WB °F	TOTAL TONS	FACE VEL. FPM	ROWS & CIRCUITS	EAT °F	LAT °F	CAPACITY DESIRED MBH	CAPACITY MAX MBH	EAT °F	LAT °F	TYPE	INPUT MBH	INLET PRES W.C.	
MUA-1	AS SHOWN	KITCHEN	2100	1650	1.0	--	1411	--	ECM	2	240	1 Φ	VFD	105.2	90	72	50.4	50.4	12.5	--	--	50.4	70.0	45.2	101.0	-12	80	S.S.	295.3	10"	CAPTIVEAIRE CASRTU3-I.300-15-12.5T

HVAC SYMBOL LIST

ALL SYMBOLS ARE NOT NECESSARILY USED

- LPS — LOW PRESSURE STEAM
- LPC — LOW PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM
- MPC — MEDIUM PRESSURE CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HPC — HIGH PRESSURE CONDENSATE
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- HPWS — HEAT PUMP WATER SUPPLY
- HPWR — HEAT PUMP WATER RETURN
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- GS — GLYCOL SUPPLY
- GR — GLYCOL RETURN
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- PC — PUMPED CONDENSATE
- BF — BOILER FEED
- BBD — BOILER BLOW DOWN
- D — DRAIN
- ATV — ATMOSPHERIC VENT
- VAC — VACUUM
- RD — REFRIGERANT DISCHARGE
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- RHG — REFRIGERANT HOT GAS
- A — COMPRESSED AIR
- G — GAS
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- FOV — FUEL OIL VENT
- FOF — FUEL OIL FILL
- FOG — FUEL OIL GAUGE
- DOMESTIC COLD WATER (CW)
- DIRECTION OF FLOW
- REDUCER
- CAP OR PLUG
- BOTTOM CONNECTION/TURN AWAY
- TOP CONNECTION/TURN TOWARDS
- UNION (OR FLANGE)
- VALVE (SHUT OFF)
- GLOBE VALVE
- CHECK VALVE
- CONTROL VALVE (2-WAY)
- PRESSURE RELIEF VALVE
- CONTROL VALVE (3-WAY)
- TD — TRIPLE DUTY VALVE
- PRESSURE REDUCING VALVE
- BALANCING COCK
- FLOW BALANCER
- STRAINER
- TT — THERMOSTATIC TRAP ASSEMBLY
- F&T — FLOAT & THERMOSTIC TRAP ASSEMBLY
- BT — BUCKET TRAP ASSEMBLY
- TD — THERMODYNAMIC TRAP
- THERMOMETER
- PRESSURE GAUGE
- V — AIR VENT
- TEMPERATURE SENSOR WELL
- BUTTERFLY VALVE
- R — PIPE PITCH UP/INCLINE RISE
- D — PIPE PITCH DOWN/INCLINE DROP
- FINNED TUBE RADIATION ELEMENT
- W/W ENCL. — WALL TO WALL FIN TUBE ENCLOSURE
- TRANSITION-SQUARE TO ROUND
- UP / DN — SUPPLY DUCT SECTION
- UP / DN — RETURN OR EXHAUST DUCT SECTION
- UP / DN — ROUND DUCT SECTION
- FD — FIRE DAMPER
- SD — SMOKE DAMPER
- FSD — COMBINATION FIRE AND SMOKE DAMPER
- BD — BACKDRAFT DAMPER
- VOLUME DAMPER
- MD — MANUAL DAMPER
- MOD — MOTOR OPERATED DAMPER

CFM	CUBIC FEET/MINUTE	RA	RETURN AIR
FPM	FEET/MINUTE	EA	EXHAUST AIR
NTS	NOT TO SCALE	OA	OUTSIDE AIR
DSD	DUCT SMOKE DETECTOR	OED	OPEN ENDED DUCT
MBH	THOUSAND BTU/HOUR	AFF	ABOVE FINISH FLOOR
(e)	EXISTING	BFC	BELOW FINISH CEILING
SA	SUPPLY AIR	AFS	AIR FLOW STATION

- P — PRESSURE SENSOR
- T — THERMOSTAT
- T E — ELECTRIC THERMOSTAT
- T 2 — WITH MULTIPLE SET POINTS
- T G — WITH A GUARD
- Ts — TEMPERATURE SENSOR
- Ss — SLAB SENSOR
- S — STATIC PRESSURE SENSOR
- H — HUMIDISTAT
- UCD — UNDERCUT DOOR (1" BY THE G.C.)
- L — LOUVERED DOOR, INDICATES SQ. FT. FREE AREA
- AIR FLOW
- SHEET METAL CAP ON EXISTING DUCT
- AD — ACCESS DOOR, MIN 1.0 SQ.FT.
- ACOUSTIC THERMAL LINING
- SOUND ATTENUATOR
- WORK TO BE REMOVED
- NEW TO EXISTING CONNECTION
- NEW TO FUTURE CONNECTION
- DIFFUSER W/ FLEX. DUCT CONNECTION (REG. SIMILAR)
- DIFFUSER W/ RIGID DUCT CONNECTION (REG. SIMILAR)
- TYPE / CFM — REGISTER, DIFFUSER, OR GRILLE DESIGNATION
- SIZE / X" BRANCH — DUCT SIZE SERVING REGISTER, DIFFUSER, OR GRILLE

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PROJECT NO: 23121 | DATE: 6/24/24

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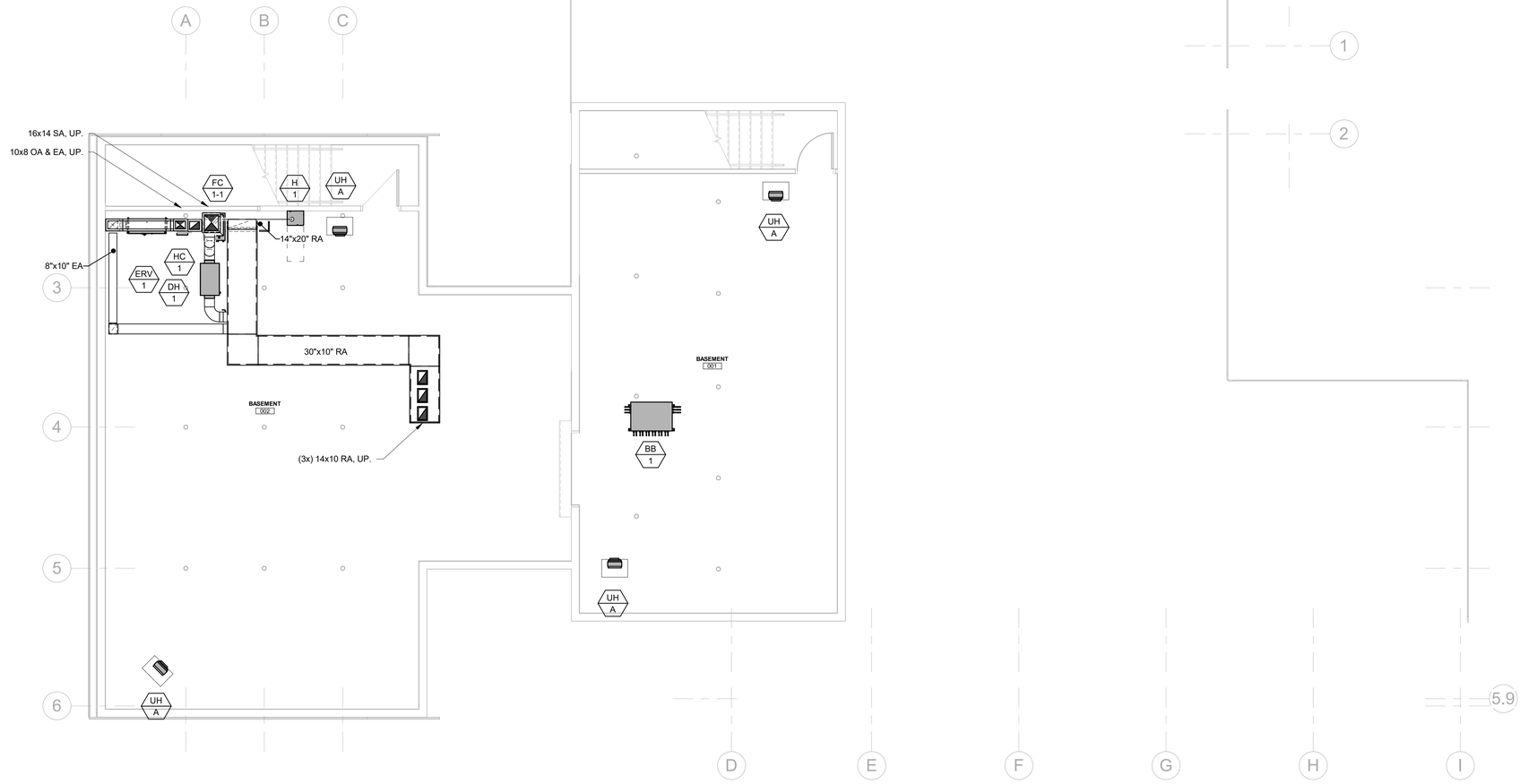

1 MECHANICAL BASEMENT PLAN
3/16" = 1'-0"

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STATE OF NEW HAMPSHIRE
RICHARD A. BRUNA
15873
LICENSED PROFESSIONAL ENGINEER

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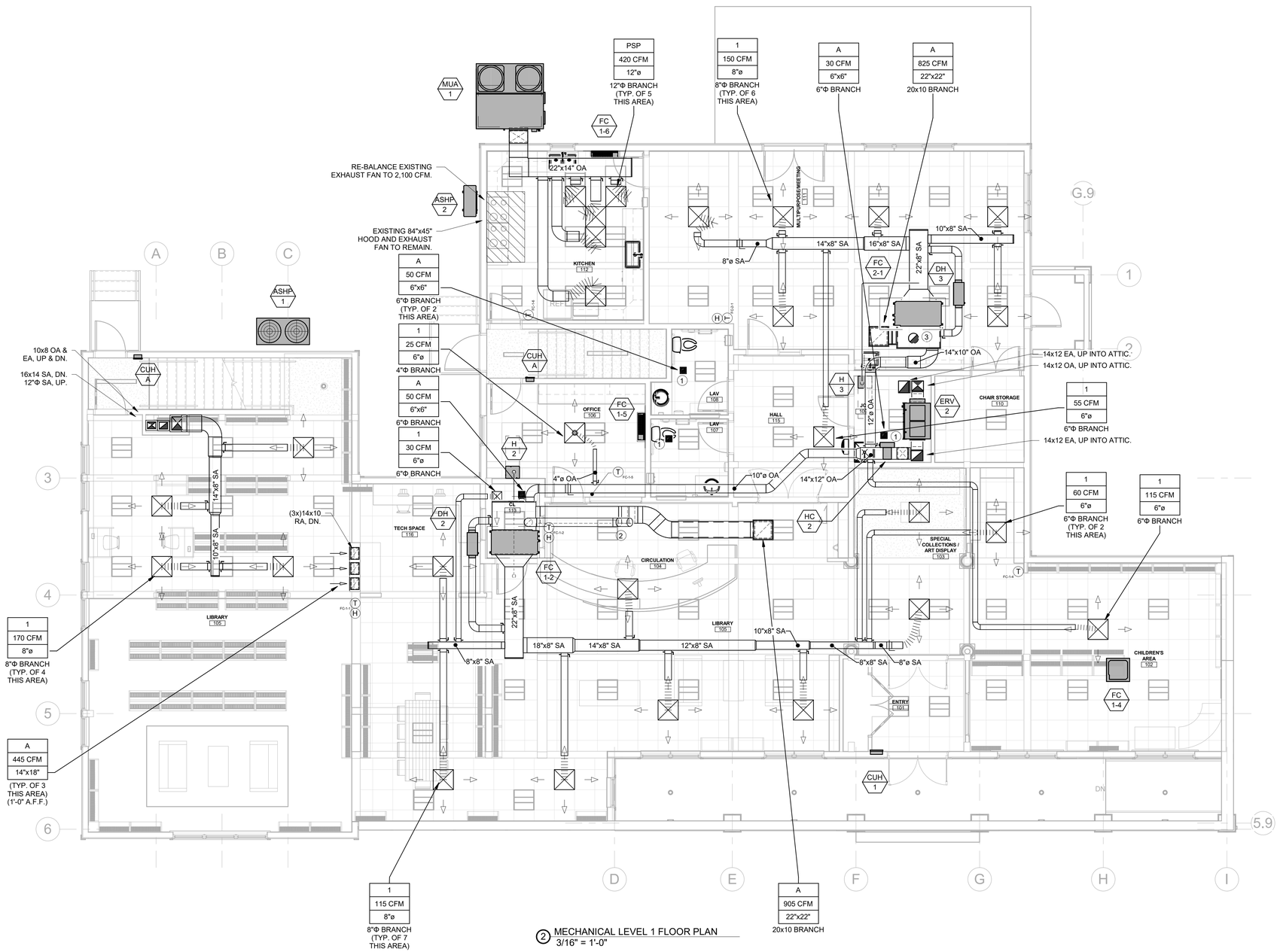

② MECHANICAL LEVEL 1 FLOOR PLAN
3/16" = 1'-0"

DRAWING NOTES:

1. 6"Φ EA, UP INTO ATTIC.
2. 10"Φ EA, UP INTO ATTIC.
3. 12"Φ EA, UP INTO ATTIC.

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STATE OF NEW HAMPSHIRE — RICHARD A. MAHONEY — 13878 — LICENSED PROFESSIONAL ENGINEER

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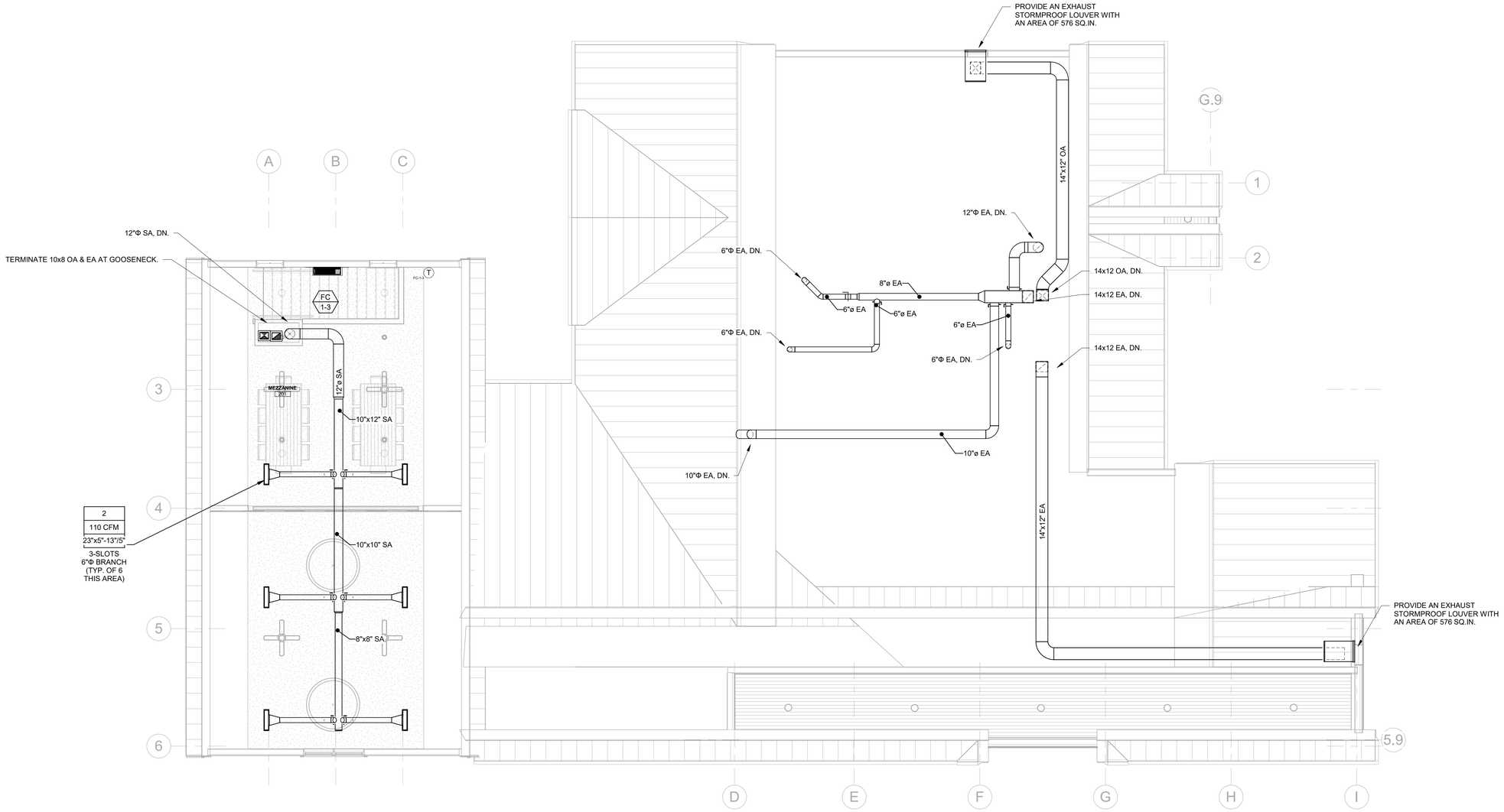

2 MECHANICAL LEVEL 2 FLOOR PLAN
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STATE OF NEW HAMPSHIRE RICHARD A. WATTS, JR. 13973 LICENSED PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
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DRAWING TITLE:
MECHANICAL LEVEL 2 FLOOR PLAN

PROJECT NO: 23121 | DATE: 6/24/24

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M-4

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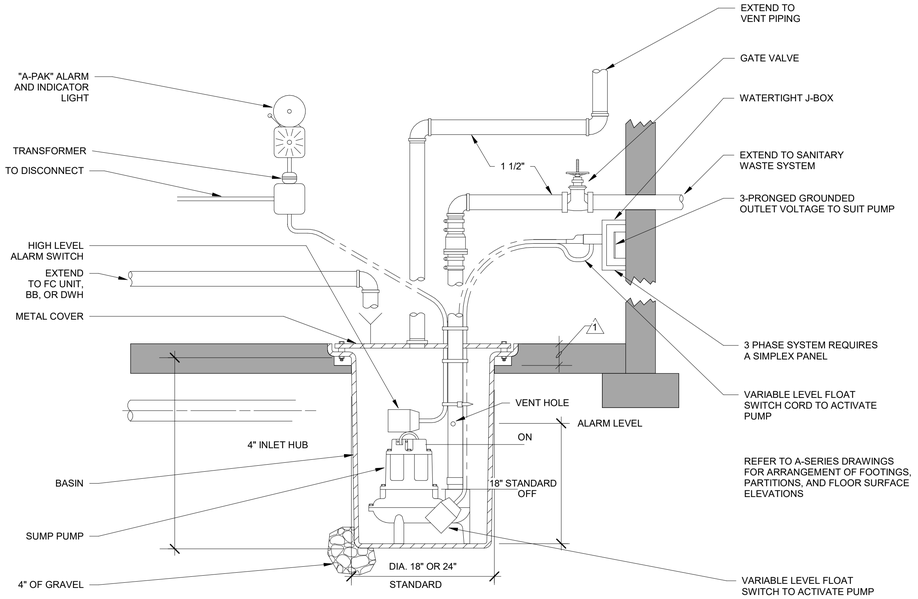
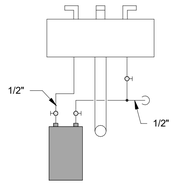


SUMP PUMP DETAIL
NO SCALE

DRAWING NOTES

1 ADJUST DEPTH OF SUMP AND CENTERLINE OF INLET TO SUIT INVERT OF WASTE PIPING



TYPICAL ON DEMAND WATER HEATER PIPING DETAIL
NO SCALE

PLUMBING SYMBOL LIST
ALL SYMBOLS ARE NOT NECESSARILY USED

SYMBOLS	DESCRIPTION	ABBREVIATION
	SANITARY SOIL AND WASTE ABOVE GROUND	W
	STORM WASTE	RL
	SANITARY VENT	V
	FOUNDATION DRAIN	FD
	COLD WATER	CW
	HOT WATER	HW
	HOT WATER RECIRC	HWR
	SHUTOFF VALVE	
	SHUTOFF VALVE	
	CHECK VALVE	CV
	GLOBE VALVE	GLV
	FLOW (BALANCING VALVE)	FBV
	CONTROL VALVE	CLV
PRV	PRESSURE REDUCING VALVE	PRV
	WATER METER	WM
	PIPING DROP OR DOWN THROUGH FLOOR	DROP, DN
	PIPING RISE OR UP THROUGH CEILING	RISE, UP
	CLEANOUT	CO
	WALL CLEANOUT	WCO
	DECK PLATE CLEANOUT	DPCO
	FLOOR OR ROOF DRAIN	FD, RD
	WATER HAMMER ARRESTER	WHA
G	FUEL GAS	G
LPG	LIQUID PETROLEUM GAS	LPG
	PRESSURE & TEMPERATURE RELIEF VALVE	PTV
	PRESSURE RELIEF VALVE	RV
	STRAINER	
	UNION	
	PRESSURE GAUGE	
	THERMOMETER	
	WATER HYDRANT	WH
	HOSE BIBB	HB
	NEW TO EXISTING CONNECTION	
	NEW TO FUTURE CONNECTION	

PC	PUMPED CONDENSATE	AR	ARGON
PD	PUMPED DISCHARGE	O2	OXYGEN
COND	COIL CONDENSATE	VAC	VACUUM
CA	COMPRESSED AIR	N2	NITROGEN
DI	DEIONIZED WATER		

FIXTURE CONNECTION SCHEDULE

SYM	FIXTURE	SUP	TRP	MINIMUM BRANCH SIZE				REMARKS
				WASTE	VENT	COLD	HOT	
P-1	WATER CLOSET	1/2	-	4	2	1/2	-	TANK TYPE, ADA COMPLIANT
P-2	LAVATORY	3/8	1-1/4	1-1/2	1-1/2	1/2	1/2	UNDERMOUNT, ADA COMPLIANT
P-3	JANITOR SINK	1/2	2	3	2	1/2	1/2	
P-4	BOTTLE FILL	3/8	1-1/4	1-1/2	1-1/2	1/2	-	WALL HUNG
P-5	SINK	3/8	1-1/4	1-1/2	1-1/2	1/2	1/2	UNDERMOUNT, ADA COMPLIANT
P-6	KITCHEN SINK	3/8	1-1/4	1-1/2	1-1/2	1/2	1/2	UNDERMOUNT, ADA COMPLIANT
P-7	SINK	3/8	1-1/4	3	2	1/2	1/2	UNDERMOUNT, DOUBLE BOWL
P-8	WALL BOX	-	-	-	-	1/2	-	

DOMESTIC HOT WATER HEATER - ELECTRIC ELEMENT

UNIT	LOCATION	SERVICE	STORAGE GALLONS	RECOVERY			VOLTS	PHASE	KW	AMPS	DESIGN EQUIPMENT
				E.W.T. °F	E.W.T. °F	GPM					
DWH-A	AS SHOWN	LAV	--	50	98	0.5	240	1Ø	3.5	15	EEMAX SP35
DWH-1	AS SHOWN	JANITOR SINK	--	50	98.5	1.5	240	1Ø	9.5	40	EEMAX EX95T
DWH-2	AS SHOWN	KITCHEN SINK	--	50	98.5	1.5	240	1Ø	9.5	40	EEMAX EX95T
DWH-3	AS SHOWN	KITCHEN SINK	--	50	98.5	1.5	240	1Ø	9.5	40	EEMAX EX95T

PUMP SCHEDULE

PUMP NO.	LOCATION	SERVICE	GPM	HEAD FT. WATER	MAX. WWP (PSI)	MOTOR				STARTER	PUMP TYPE	BASIN	DESIGN EQUIPMENT
						RPM	H.P.	VOLTS	PHASE				
SP-1	AS SHOWN	FC-1-1	5	10	--	--	4/10	115	--	C. MAG	GRINDER	--	LITTLE GIANT WRS-9
SP-2	AS SHOWN	BB-1	5	10	--	--	4/10	115	--	C. MAG	GRINDER	--	LITTLE GIANT WRS-9
SP-3	AS SHOWN	DWH-3	5	10	--	--	4/10	115	--	C. MAG	GRINDER	--	LITTLE GIANT WRS-9

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STATE OF NEW HAMPSHIRE RICHARD A. LICONSKI 13878 LICENSED PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS

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PLUMBING SCHEDULES AND DETAILS

PROJECT NO: 23121 DATE: 6/24/24

SHEET NUMBER:
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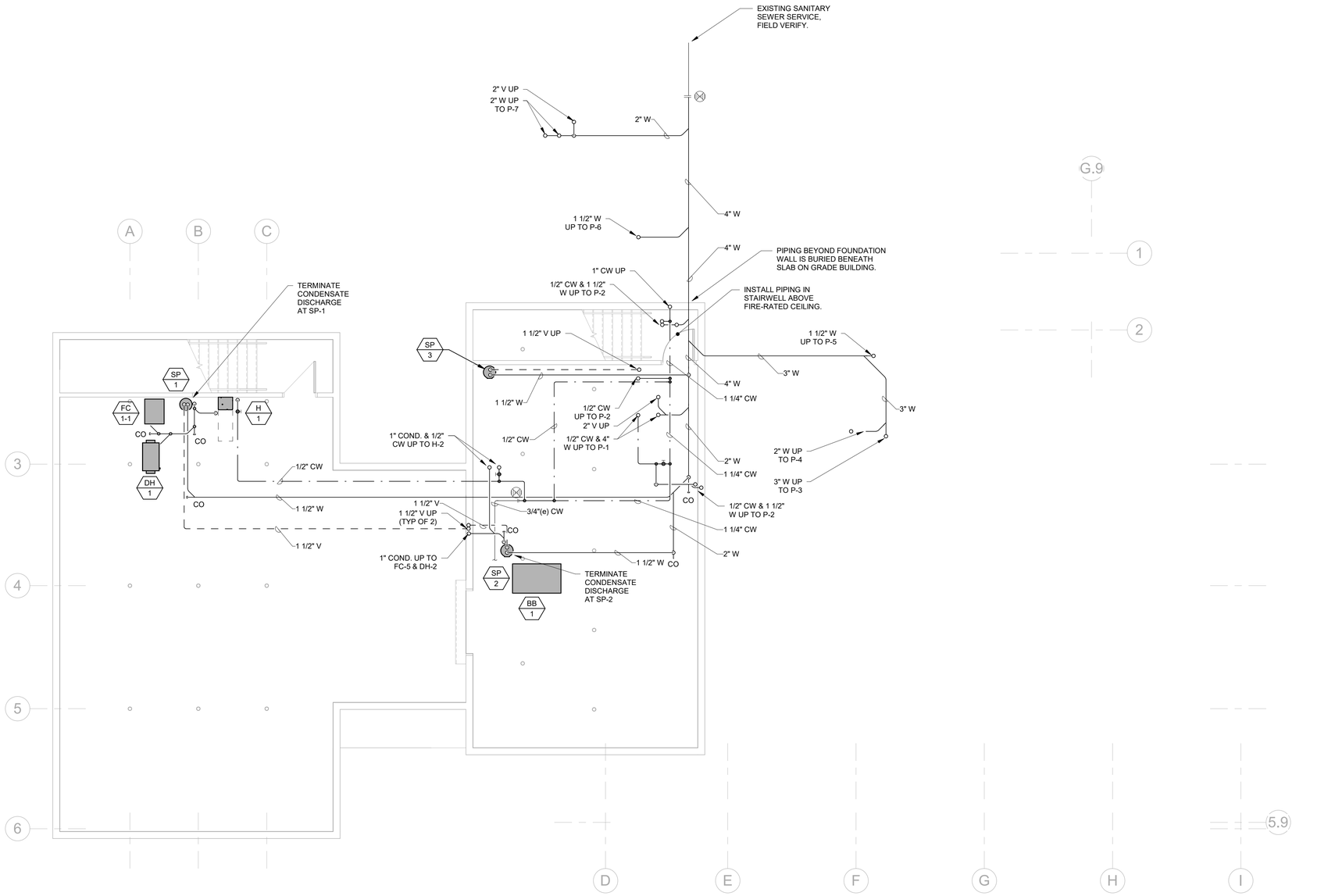

1 PLUMBING BASEMENT PLAN
3/16" = 1'-0"

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STATE OF NEW HAMPSHIRE RICHARD A. [illegible] LICENSED PROFESSIONAL ENGINEER

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PROJECT NO: 23121 DATE: 6/24/24

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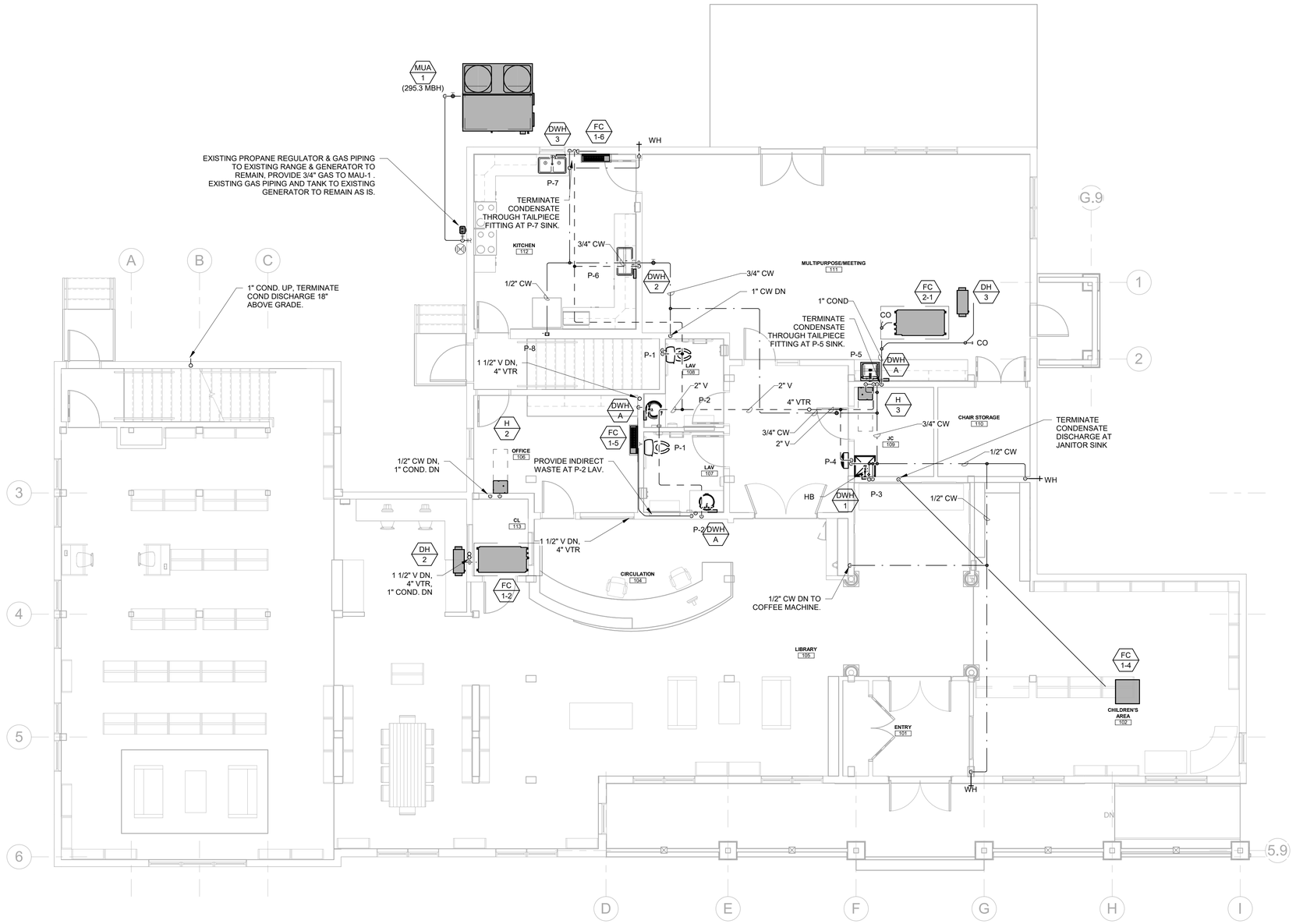

1 PLUMBING LEVEL 1 FLOOR PLAN
3/16" = 1'-0"

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PLUMBING LEVEL 1 FLOOR PLAN

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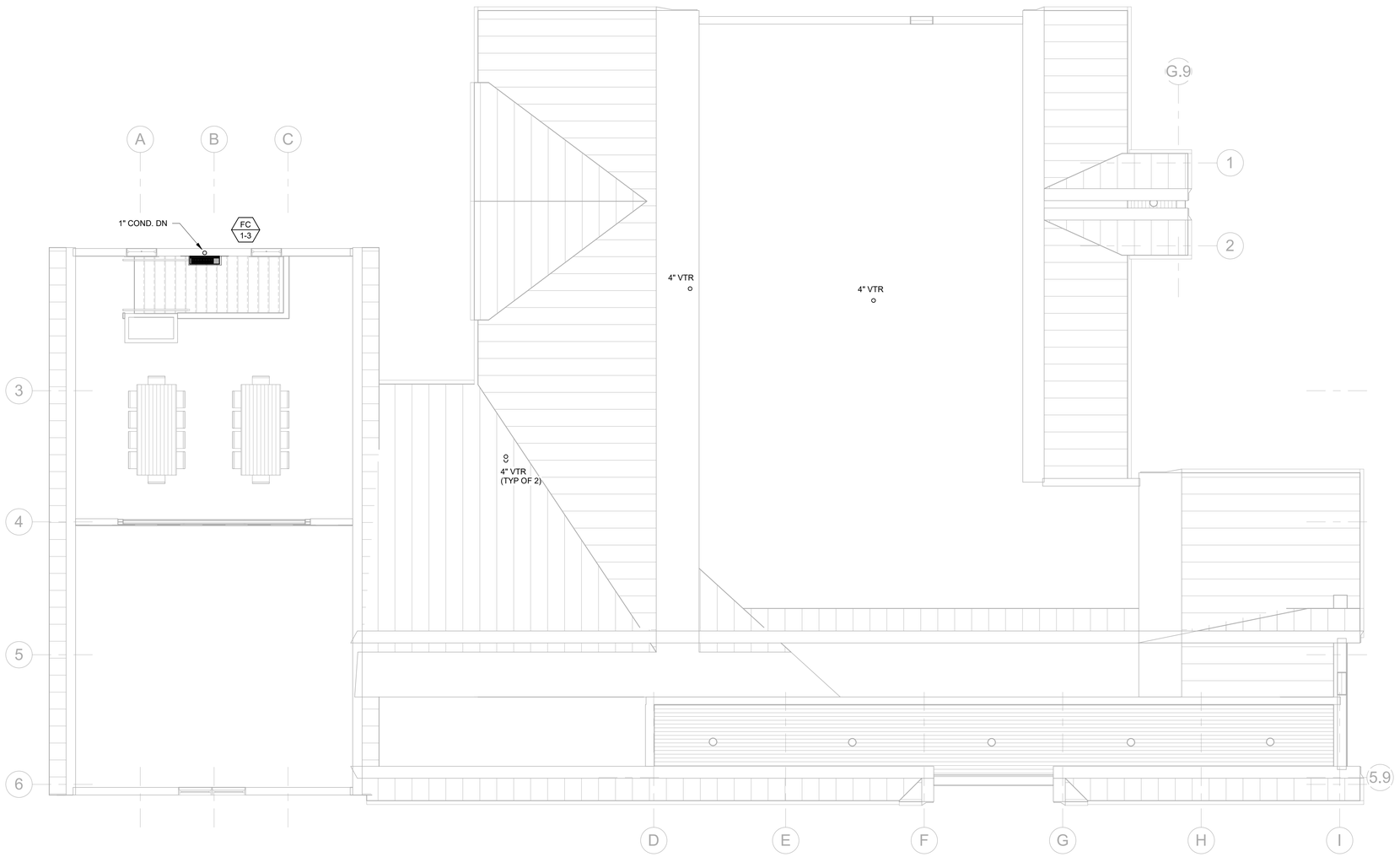

1 PLUMBING LEVEL 2 FLOOR PLAN
3/16" = 1'-0"

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REVISION	DATE	COMMENTS

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ELECTRICAL SYMBOL LIST
NOT ALL SYMBOLS ARE NECESSARILY USED

SYMBOL	DESCRIPTION
A	FLUORESCENT STRIP, WRAP, OR LINEAR FIXTURE
A	RECESSED, FLUORESCENT FIXTURE
A	WALL BRACKET OR WALL SCONCE
A	CEILING FIXTURE: SURFACE OR RECESS MOUNTING, REFER TO SPECIFICATIONS. RECESS: PROVIDE DIRECT CONTACT, WITH INSULATION WHERE APPLICABLE COORDINATE WITH ARCH. PLANS/ELEVATIONS
BU	EMERGENCY BATTERY UNIT, NO ATTACHED HEADS
BU	EMERGENCY BATTERY UNIT, ATTACHED HEADS
	REMOTE EMERGENCY LIGHTING FIXTURE, DOUBLE HEAD, POWERED FROM REMOTE BATTERY UNIT
X	EXIT SIGN, SELF POWERED
S	SINGLE POLE SWITCH 20 AMP 125/277 VOLT TOGGLE
S_3	3-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
S_4	4-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
S_P	PILOT LIGHT SWITCH 20 AMP 125 VOLT TOGGLE, FLUSH MOUNT SEE NOTES AT DEVICE FOR SPECIFIC MOUNTING INSTRUCTIONS
S_D	DIMMER SWITCH, 120 VOLT, SLIDE TYPE, 1000 WATT MIN
S_T	WALL BOX TIMER SWITCH
	DUPLEX RECEPTACLE 20 AMP 125 VOLT
	CEILING MOUNTED RECEPTACLE, WHITE COLOR, FOR "SHOW WINDOW" USE, 120 VOLT, 20 AMP, WHITE PLATE
*	DUPLEX RECEPTACLE ABOVE COUNTER AND BACKSPLASH, VERIFY FINAL MOUNTING HEIGHT ON SITE PRIOR TO ROUGH IN
	DOUBLE DUPLEX RECEPTACLE, INSTALL IN 2-GANG BOX UNDER ONE 2-GANG PLATE, WIRE TO COMMON CIRCUIT AS SHOWN
WP	DUPLEX RECEPTACLE WITH METAL WEATHERPROOF IN-USE, GASKETED COVER
GF	GROUND FAULT TYPE DUPLEX RECEPTACLE, 20 AMP 125 VOLT CLASS A WITH 20 AMP FEED THROUGH RATING, PLATE TO MATCH OTHER DEVICES INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN. 3-1/2" WALL BOX)
GF WP	GROUND FAULT TYPE DUPLEX RECEPTACLE, WITH WEATHERPROOF COVER INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN. 3-1/2" WALL BOX)
	FLOOR MOUNTED RECEPTACLE
	SPECIAL 1Φ OR 3Φ OUTLET, 208 VOLT, CONFIRM AMPERAGE AND NEMA CONFIGURATION TO SUITE EQUIPMENT BEING SERVED
R	RANGE OUTLET, 50 AMP, 4-WIRE, FLUSH RECEPTACLE IN DEEP BOX WITH RAISED COVER
NI	TELEPHONE SYSTEM NETWORK INTERFACE (DEMARCATION) POINT FURNISHED AND INSTALLED BY LOCAL TELEPHONE SERVICE CO, QUANTITY AS REQUESTED BY OWNER TO SERVE NEEDS
	TELEPHONE OUTLET, BOX AND DROP SEE DROP DETAIL AND PHONE RISER
W	TELEPHONE OUTLET, WALL TYPE
TV	CATV OUTLET BOX AND DROP, SEE DETAILS AND CATV RISER DIAGRAM
C	COMPUTER OUTLET BOX AND DROP, SEE DETAILS
	WIRING HOME RUN TO PANEL AS NOTED, (2) #12, (1) #12 GND MIN, BACK TO 20 AMP, SINGLE POLE BREAKER UNLESS NOTED OTHERWISE
	INDICATES (2) POWER CONDUCTORS WITH FULL SIZE GROUND
	INDICATES (3) POWER CONDUCTORS WITH FULL SIZE GROUND
	INDICATES (4) POWER CONDUCTORS WITH FULL SIZE GROUND
	CABLE OR RACEWAY RUN CONCEALED IN WALLS OR CEILINGS SURFACE MOUNTED WHERE NOTED OR ALLOWED IN UTILITY UNFINISHED AREAS
	UNDERSLAB RACEWAY AS NOTED
	EMERGENCY LIGHTING LOW VOLTAGE (12 VDC) WIRING, RUN CONCEALED IN WALLS OR ABOVE CEILINGS. SURFACE MOUNTED ONLY IN UTILITY AREAS OR WHERE SPECIFICALLY ALLOWED
277/480 120/208 SURF. FLUSH	ELECTRICAL PANELBOARD, VOLTAGE AND PHASE AS NOTED REFER TO POWER RISER DIAGRAM AND PANEL SCHEDULES FOR DETAILS
TELEPHONE BACKBOARD	TELEPHONE AND CATV BACKBOARD BY E.C., SEE SYSTEMS RISER DIAGRAMS FOR ADDITIONAL DETAILS AND SPECIFICATIONS
FU WP	DISCONNECT SWITCH BY E.C., 250 VOLT, NEMA 1 (OR ER AS NOTED), FUSIBLE, SIZE AS NOTED OR REQUIRED, DUAL ELEMENT, TIME DELAY FUSES SIZED, FURNISHED AND INSTALLED BY EC PER EQUIPMENT NAMEPLATE VALUES
SW	AC SWITCH, RATED FOR AMPERAGE AND HP OF EQUIPMENT SERVED, FUSED WHERE SERVING EQUIPMENT WITHOUT INTEGRAL OVERLOAD PROTECTION
TC	TIMECLOCK
PC	PHOTOCELL
FS	FIRE SEAL AT RATED PARTITION
T	TRANSFORMER, 120/24 VAC
EF	EXHAUST FAN, FURNISHED WITH DUCTWORK AND INSTALLED BY M.C. POWER WIRING BY E.C. AS SHOWN OR AS NOTED, FANS ARE 120 VOLT, FRACTIONAL HORSEPOWER, UNLESS SPECIFICALLY NOTED OTHERWISE
HP	EQUIPMENT MOTOR, FURNISHED AND INSTALLED COMPLETE BY OTHERS AS NOTED, POWER WIRING AND DISCONNECT BY E.C. AS REQUIRED

LISTED EQUIPMENT NOTICE

ALL EQUIPMENT NEEDING ELECTRICAL POWER IS INTENDED AND SPECIFIED TO BE "UL" OR "CSA" LISTED AND LABELED. ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER OF ANY EQUIPMENT NOT SO LISTED AND LABELED AND SHALL NOT PROCEED WITH ANY WIRING OF SUCH EQUIPMENT UNTIL REPLACEMENT OF EQUIPMENT OR DIRECTED IN WRITING BY ENGINEER. TYPICAL OF ALL DEVICES AND EQUIPMENT ON THIS PROJECT

FIRE ALARM SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING
FACP	FIRE ALARM CONTROL PANEL	FLUSH, 5' TO TOP
ANN	FIRE ALARM REMOTE ANNUNCIATOR	FLUSH, 5' TO TOP
	SYSTEM SMOKE DETECTOR	CEILING
RT	DUCT SMOKE REMOTE TEST	WALL, 42" AFF
	DUCT SMOKE DETECTOR	IN DUCT
R 135	RATE OF RISE HEAT DETECTOR	CEILING
F 135	FIXED HEAT DETECTOR	CEILING
F 200	FIXED HEAT DETECTOR	CEILING
R 200	RATE OF RISE HEAT DETECTOR	CEILING
F	MANUAL PULL STATION	WALL, 42" AFF, SEMI FLUSH
30 H	HORN STROBE DEVICE CANDELA RATING AS SHOWN	WALL, 80" AFF, SEMI FLUSH
30 S	STROBE ONLY DEVICE CANDELA RATING AS SHOWN	WALL, FLUSH, 80" AFF
F	MINI HORN STROBE DEVICE CANDELA RATING AS SHOWN	WALL, FLUSH, 80" AFF
FS	SPRINKLER FLOW SWITCH	BY SPRINKLER CONTRACTOR
TS	SPRINKLER TAMPER SWITCH	BY SPRINKLER CONTRACTOR
PS	SPRINKLER PRESSURE SWITCH	BY SPRINKLER CONTRACTOR
	120 VOLT, SELF-CONTAINED SMOKE DETECTOR	CEILING
MB	MASTER BOX	WALL MTD.
30 S	SPEAKER STROBE DEVICE CANDELA RATING AS SHOWN	WALL, 80" AFF, SEMI FLUSH
MH	MAGNETIC DOOR HOLD DEVICE	WALL MTD.
CO	CO DETECTOR: SYSTEM TYPE COMPATIBLE WITH FACP	WALL MTD.

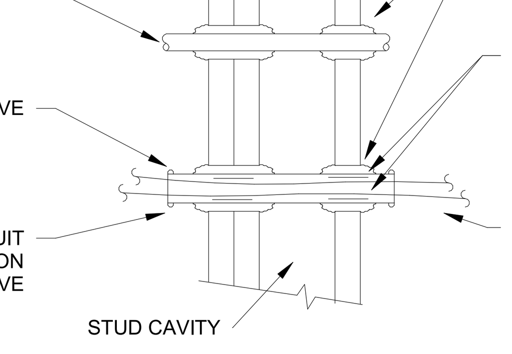
EXISTING EQUIPMENT SYMBOLS

e	EXISTING EQUIPMENT TO REMAIN
eR	EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN
eL	NEW EQUIPMENT AT EXISTING LOCATION
X	EXISTING EQUIPMENT TO BE REMOVED AND DISPOSED OF

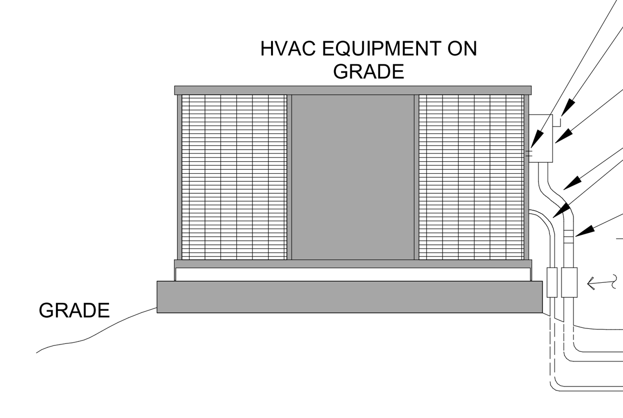
ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
BC	BARE COPPER
BKBD	BACKBOARD
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CSA	CANADIAN STANDARDS
CU	COPPER
CVPS	CENTRAL VERMONT PUBLIC SERVICE
DET	DETAIL
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EXIST	EXISTING
FU	FUSIBLE
GC	GENERAL CONTRACTOR
GF	GROUND FAULT (PROTECTED) = GFCI
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MH	MAGNETIC HOLDERS
MIN	MINIMUM
MLO	MAIN LUG ONLY
MTD	MOUNTED
NIC	NOT IN CONTRACT
NF	NON FUSED
PSNH	PUBLIC SERVICE OF NH.
PVC	RIGID NON-METALLIC CONDUIT (POLYVINYL CHLORIDE)
RMC	RIGID GALVANIZED METAL CONDUIT
SHT	SHEET
TELE	TELEPHONE
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
W/G	WITH GROUND CONDUCTOR
WP	WEATHERPROOF

NOTE:
STUD WALL SHOWN WITH 1 OR 2 LAYERS OF TYPE "X" GWB. PENETRATION FOR BLOCK WALL SIMILAR



WIRING THROUGH FIRE RATED ASSEMBLY - TYPICAL DETAIL
NOT TO SCALE



PAD-MOUNTED UNIT WIRING INSTALLATION DETAIL
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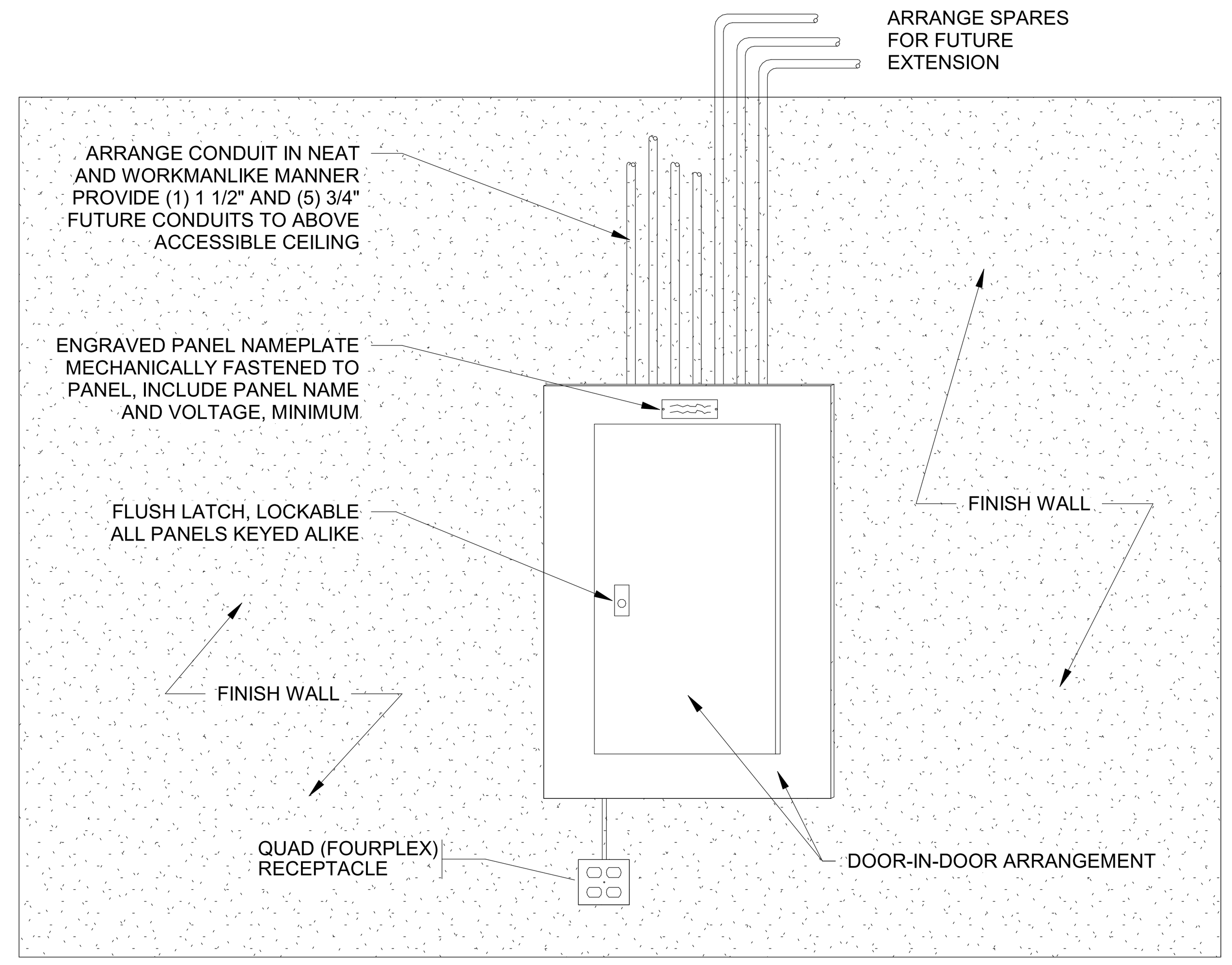

FLUSH MOUNTED PANELBOARD DETAIL
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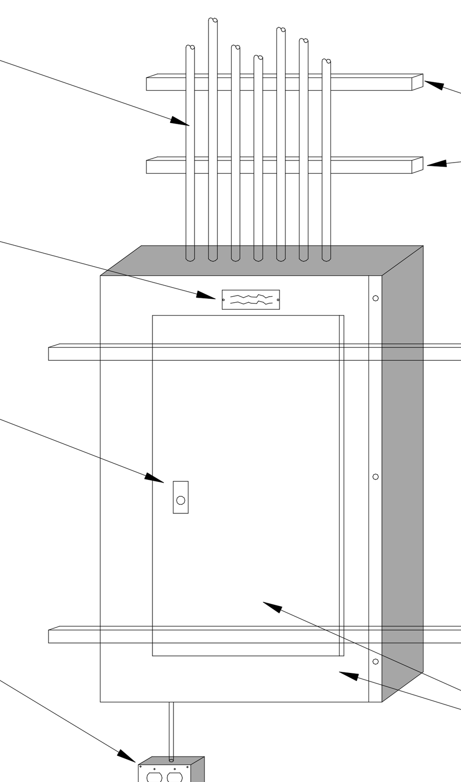

SURFACE MOUNTED PANELBOARD DETAIL
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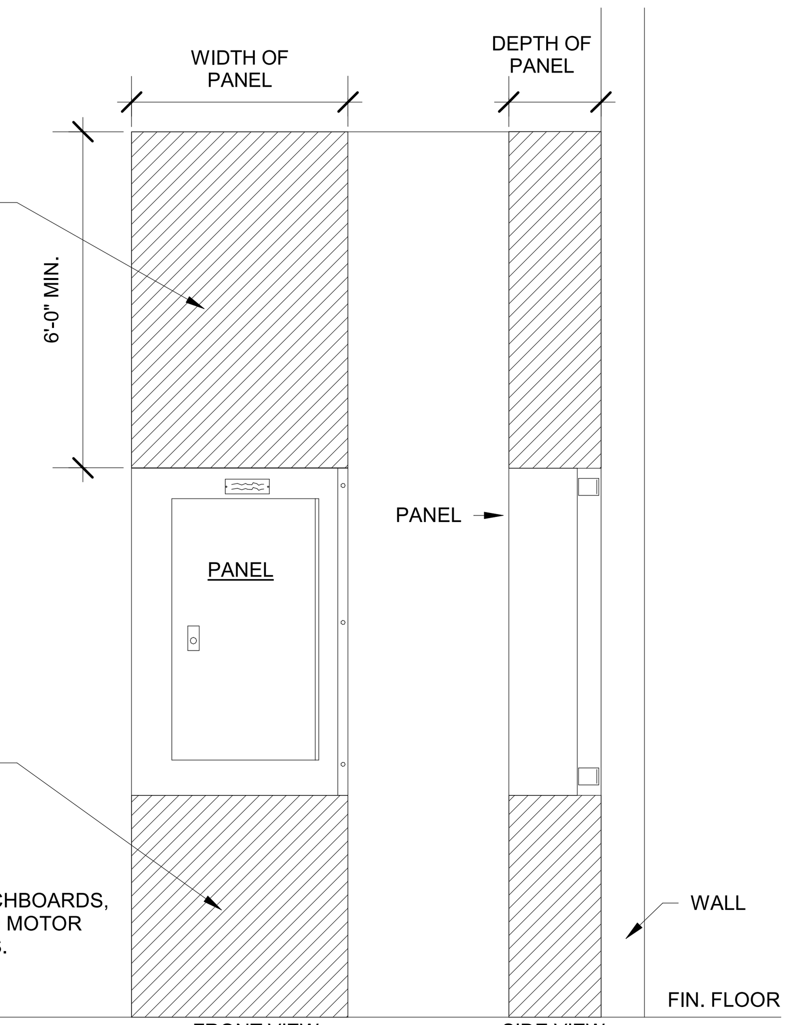
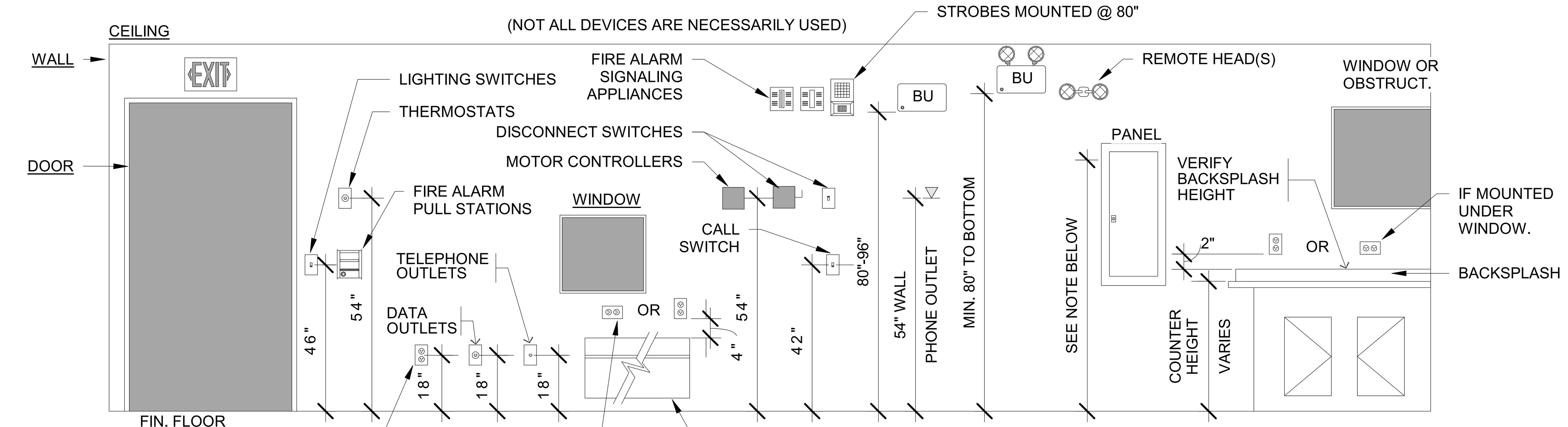


NOTES:
1. TYPICAL FOR SWITCHBOARDS, PANELBOARDS AND MOTOR CONTROL CENTERS.
2. SEE NEC art. 110.26.C.F.

DEDICATED EQUIPMENT SPACE DETAIL
NOT TO SCALE

(NOT ALL DEVICES ARE NECESSARILY USED)



NOTE:
PANELBOARDS - NOT HIGHER THAN 6' TO HIGHEST CIRCUIT BREAKER

TYPICAL DEVICE MOUNTING HEIGHTS ELEVATION
NOT TO SCALE

NOTES:

A. THE ABOVE MOUNTING HEIGHTS SHALL APPLY TO ALL DEVICES UNLESS NOTED OTHERWISE ON THE PLANS. ALL NOTED DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE FROM THE FINISHED FLOOR

B. WHERE EXISTING OR SPECIAL CONDITIONS PREVENT THE INSTALLATION OF DEVICES AT THE ABOVE HEIGHTS, THE E.C. SHALL VERIFY HEIGHTS ON SITE WITH ARCHITECT

C. ALL DEVICES IN FINISHED AREAS SHALL BE INSTALLED IN FLUSH DEVICE BOXES NO SURFACE BOXES SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ARCHITECT

D. E.C. SHALL VERIFY FINAL WORKBENCH, COUNTER, CABINET OR VANITY HEIGHTS INCLUDING BACKSPLASH, ON SITE WITH G.C. PRIOR TO INSTALLATION OF BOXES. ABOVE COUNTER DEVICES NOTED BY (*)

E. INSTALL RECEPTACLES HORIZONTALLY, 4" ABOVE BASEBOARD RADIATION. REFER TO M - SERIES (DIV. 15) SHEETS FOR RADIATION LAYOUT

F. WHERE SHOWN BACK TO BACK, OFFSET BOXES IN STUDBAYS.

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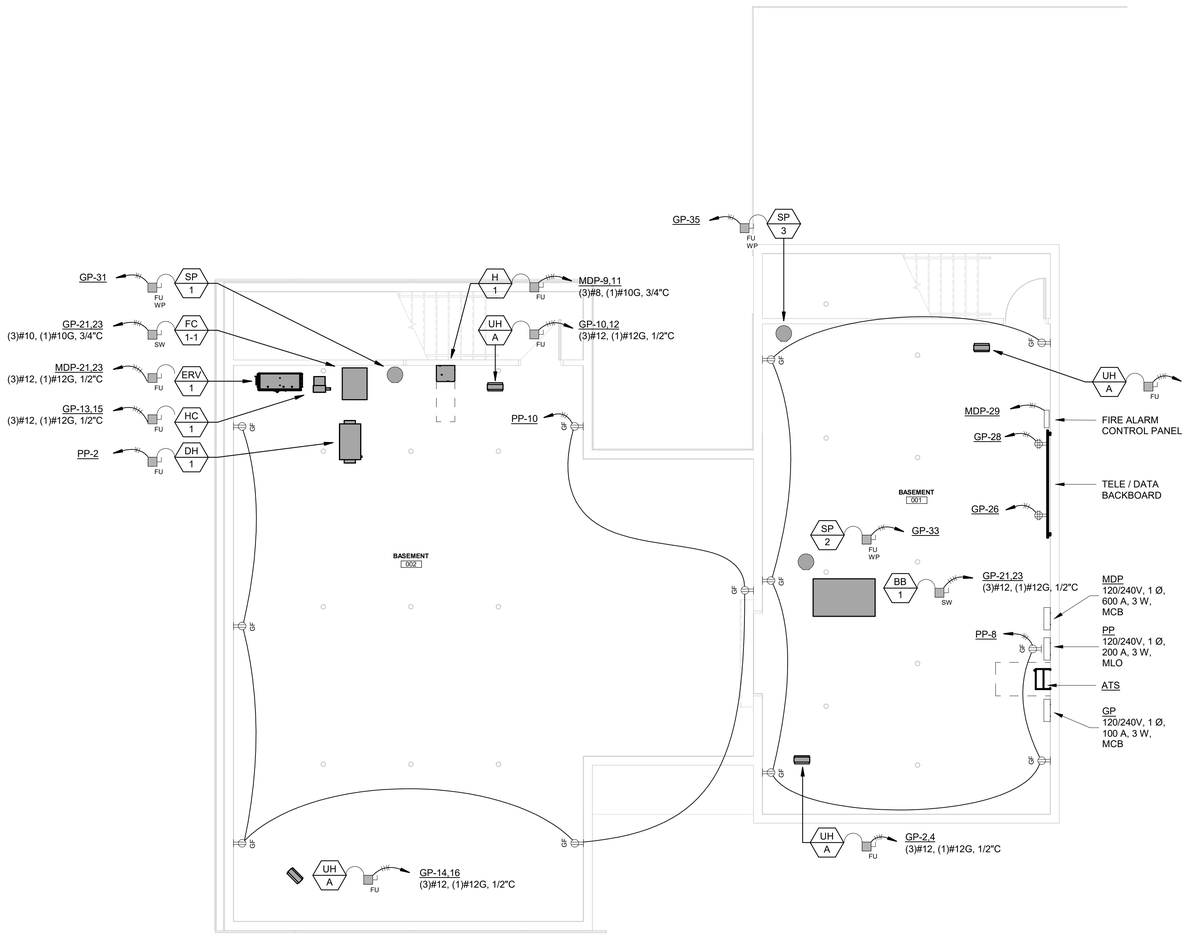

1 ELECTRICAL BASEMENT POWER & DATA PLAN
3/16" = 1'-0"

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LICENSED PROFESSIONAL ENGINEER

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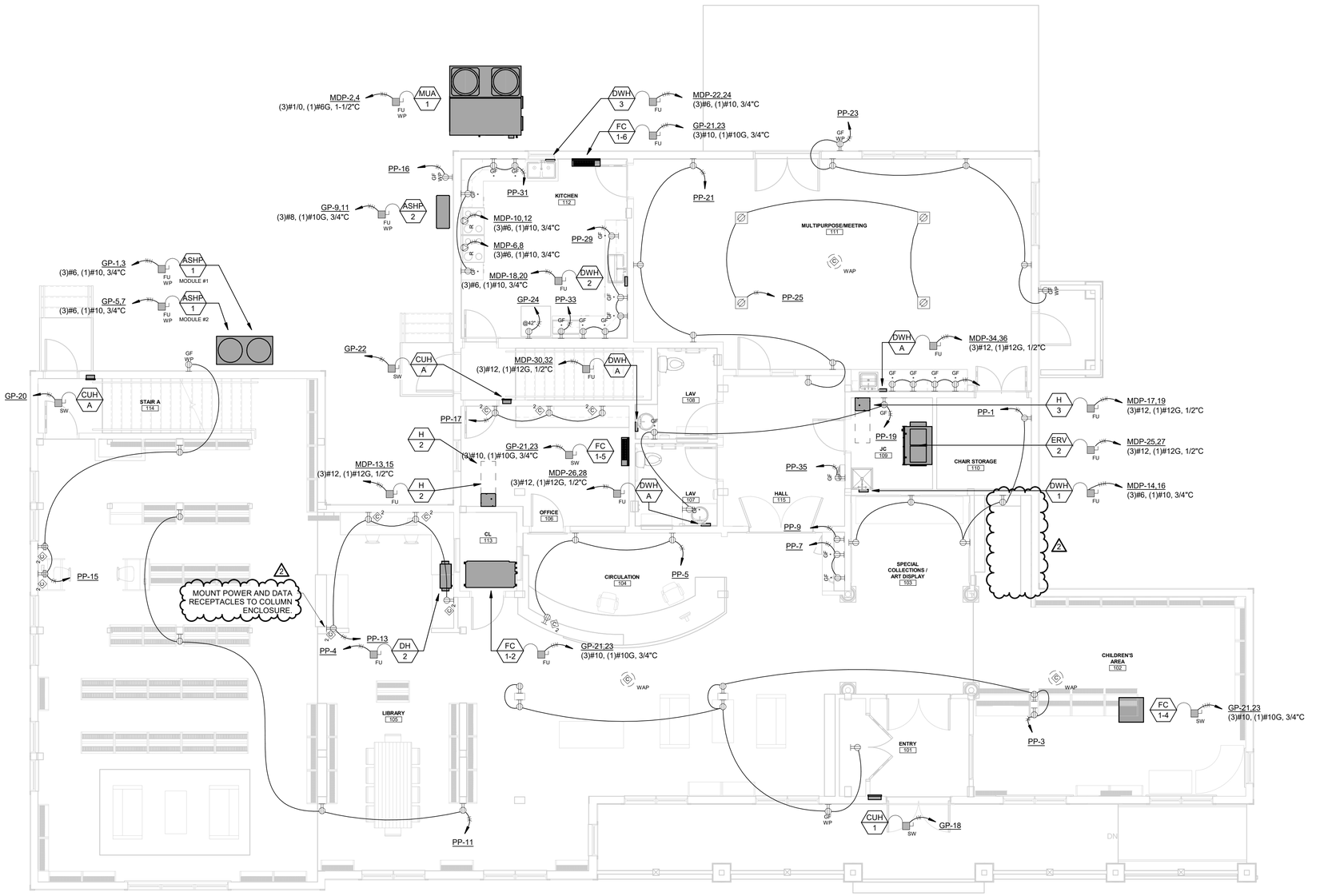

1 ELECTRICAL FIRST FLOOR POWER & DATA PLAN
3/16" = 1'-0"

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PROJECT NO: 23121 | DATE: 6/24/24

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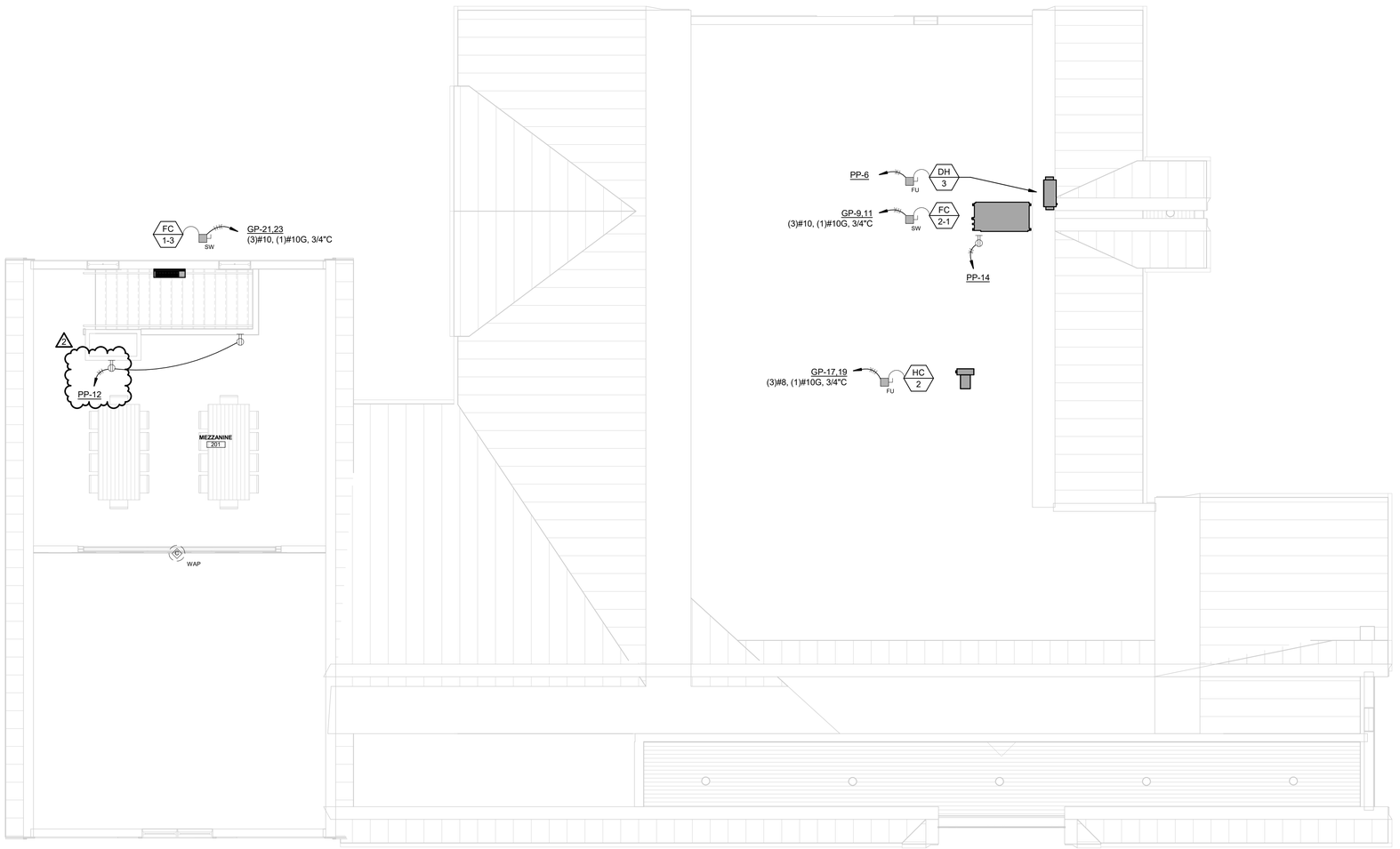

1 ELECTRICAL SECOND FLOOR POWER & DATA PLAN
3/16" = 1'-0"

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LICENSED PROFESSIONAL ENGINEER

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POWER & DATA PLAN

PROJECT NO: 23121 DATE: 6/24/24

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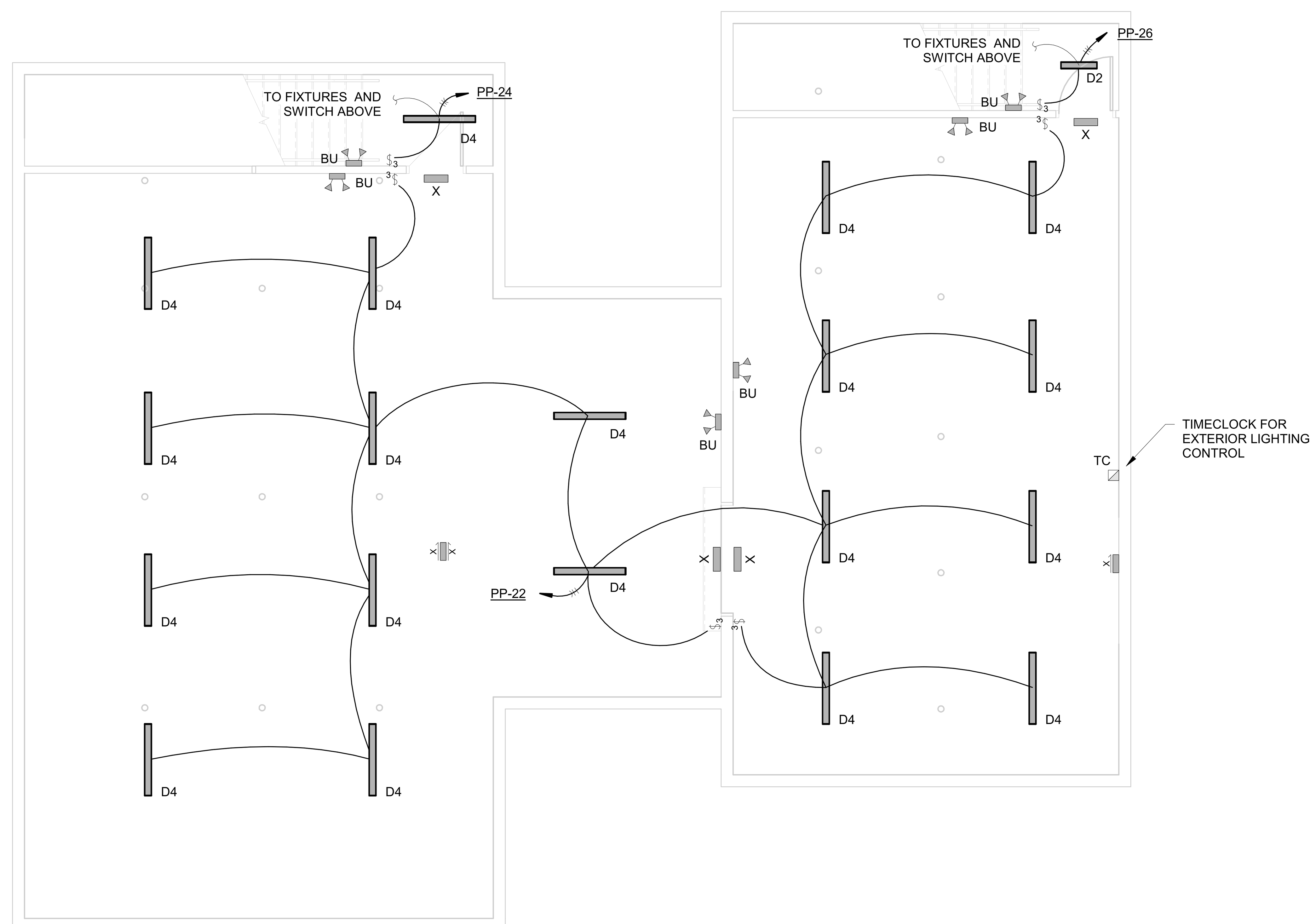


1 ELECTRICAL BASEMENT LIGHTING PLAN
3/16" = 1'-0"

LIGHTING FIXTURE SCHEDULE

B. DESCRIPTION: 2x2 LED RECESSED TROFFER, CURVED FROSTED ACRYLIC LENS, INTEGRAL DIMMING DRIVER, 3400 LUMENS, PROVIDE EMERGENCY BATTERY BACKUP WHERE NOTED "EM".
MANUFACTURER: COLUMBIA LIGHTING
MODEL: LCAT22-40MLG-EDU
VOLTAGE: 120V
LAMPS: LED, 29 WATT, 4000K
MOUNTING: CEILING, RECESSED
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

CF. CEILING FAN BY OWNER. EC TO PROVIDE JUNCTION BOX AND CIRCUITING. COORDINATE SWITCHING WITH FAN MANUFACTURER.

CH. DESCRIPTION: 9-LIGHT CHANDELIER, 32" DIAMETER, BLACK FINISH, SATIN WHITE GLASS SHADE.
MANUFACTURER: MAXIM LIGHTING
MODEL: 20036SWBK
VOLTAGE: 120V
LAMPS: (9) E26 BULBS, 60 WATTS MAX PER SOCKET
MOUNTING: CEILING, PENDANT
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

1

D2. DESCRIPTION: 24" LED STRIP LIGHT, FROSTED ACRYLIC LENS, INTEGRAL DIMMING DRIVER, 2800 LUMENS.
MANUFACTURER: COLUMBIA LIGHTING
MODEL: LCL2-40ML-EU
VOLTAGE: 120V
LAMPS: LED, 24 WATT, 4000K
MOUNTING: CEILING, SURFACE
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

D4. DESCRIPTION: 48" LED STRIP LIGHT, FROSTED ACRYLIC LENS, INTEGRAL DIMMING DRIVER, 5400 LUMENS.
MANUFACTURER: COLUMBIA LIGHTING
MODEL: LCL4-40ML0EU
VOLTAGE: 120V
LAMPS: LED, 42 WATT, 4000K
MOUNTING: CEILING, SURFACE
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

N. DESCRIPTION: 6" ROUND LED RECESSED DOWNLIGHT, MEDIUM DISTRIBUTION, INTEGRAL DIMMING DRIVER, 1500 LUMENS, PROVIDE WITH EMERGENCY BATTERY BACKUP WHERE NOTED "EM".
MANUFACTURER: PRESCOLITE
MODEL: LTR-6RD-H-ML-15L-DMTW / LTR-6RD-T-ML2240TD9MDS
VOLTAGE: 120V
LAMPS: LED, 19 WATT, 4000K
MOUNTING: CEILING, RECESSED
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

P. DECORATIVE PENDANT FIXTURE BY OWNER. EC TO PROVIDE JUNCTION BOX, SWITCHING AND CIRCUITING.

Q. DESCRIPTION: LED WALLPACK, TRAPEZOIDAL, TYPE IV WIDE DISTRIBUTION, PROVIDE WITH EMERGENCY BATTERY BACKUP WHERE NOTED "EM".
MANUFACTURER: BEACON
MODEL: TRP-160L-35-4K8-4W
VOLTAGE: 120V
LAMPS: LED, 35 WATT, 4000K
MOUNTING: WALL, SURFACE
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

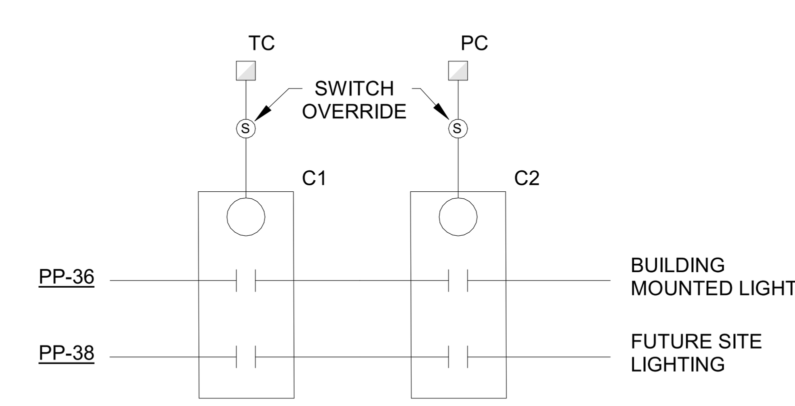
S1. DESCRIPTION: DECORATIVE WALL SCONCE, GLASS SHADE, NICKEL FINISH,
MANUFACTURER: MINKA LAVERY
MODEL: 6811-84
VOLTAGE: 120V
LAMPS: (1) E26 BULB, 100 WATT MAX
MOUNTING: WALL, SURFACE
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

S2. DECORATIVE WALL WASH SCONCE FIXTURE BY OWNER. EC TO PROVIDE JUNCTION BOX, SWITCHING AND CIRCUITING.

EX1. DESCRIPTION: EXTERIOR WALL SCONCE, BLACK FINISH, CLEAR GLASS.
MANUFACTURER: MAXIM LIGHTING
MODEL: 40314CLBK
VOLTAGE: 120V
LAMPS: (1) E26 BULB, 60 WATT MAX
MOUNTING: WALL, SURFACE
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

EX2. DESCRIPTION: EXTERIOR WALL SCONCE, BLACK FINISH, CLEAR GLASS.
MANUFACTURER: MAXIM LIGHTING
MODEL: 40312CLBK
VOLTAGE: 120V
LAMPS: (1) E26 BULB, 60 WATT MAX
MOUNTING: WALL, SURFACE
SUBSTITUTIONS: SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO BID.

1



EXTERIOR LIGHTING CONTROL DIAGRAM
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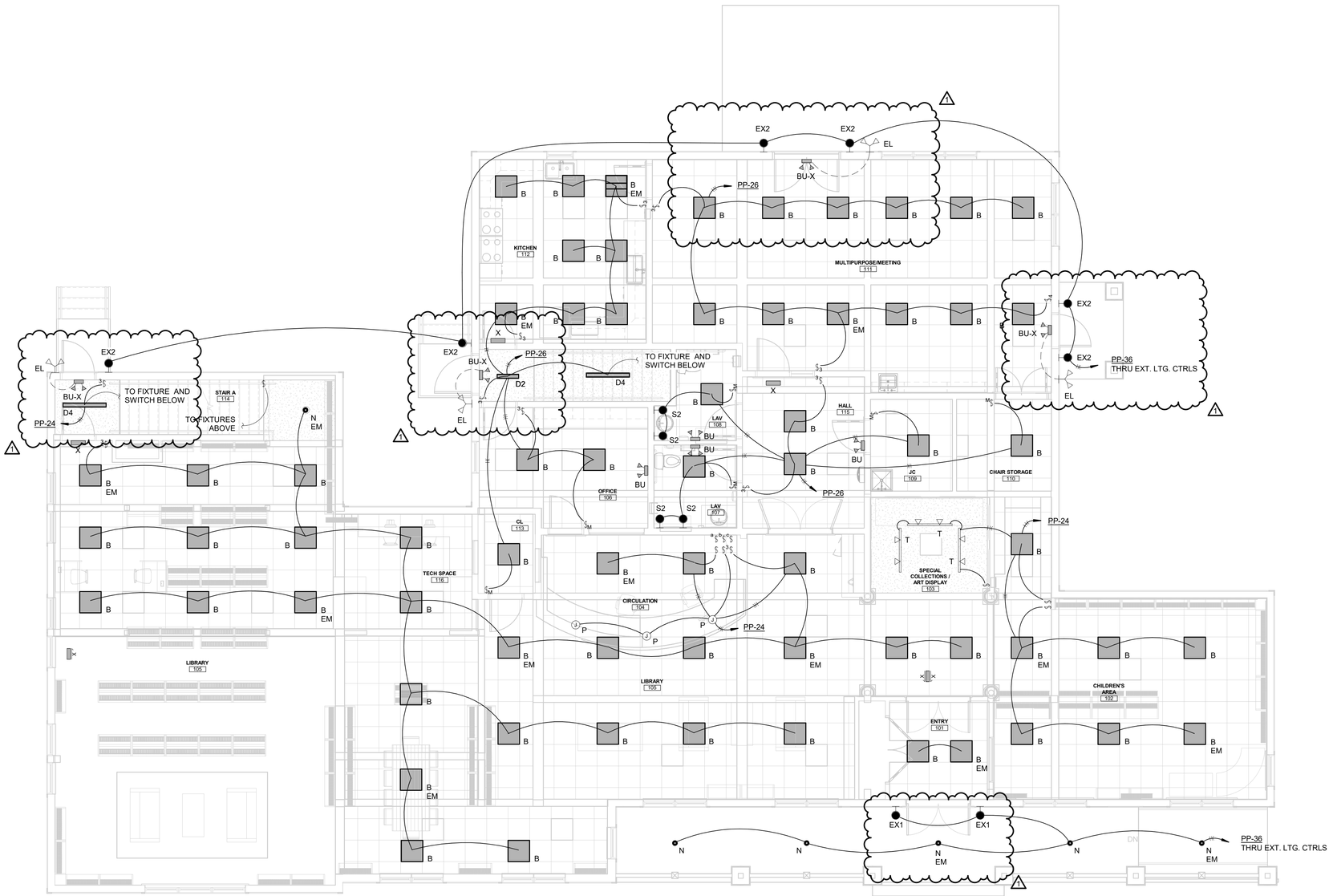

1 ELECTRICAL FIRST FLOOR LIGHTING PLAN
3/16" = 1'-0"

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RICHARD A. PRUYN
15875
LICENSED PROFESSIONAL ENGINEER

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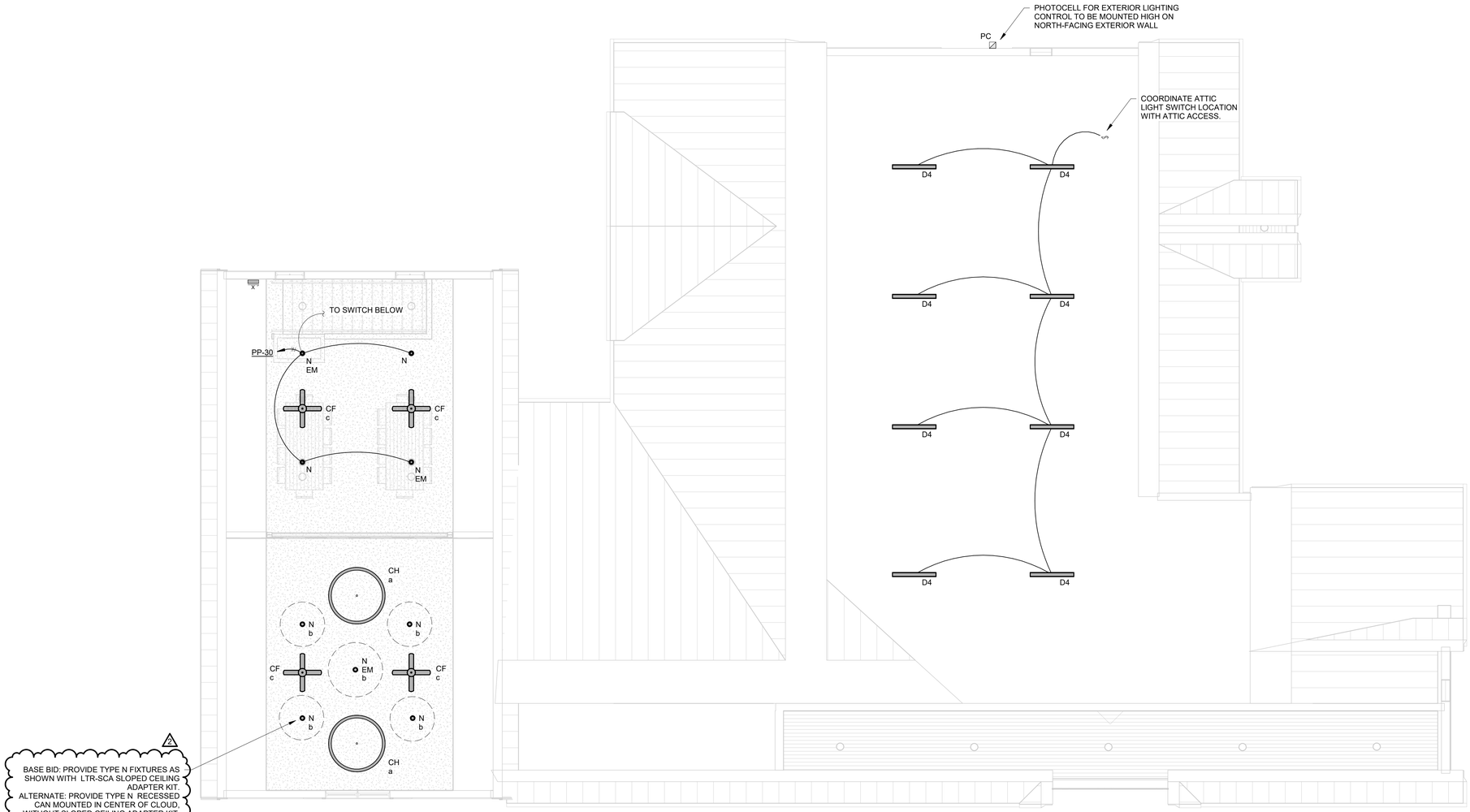

1 ELECTRICAL SECOND FLOOR LIGHTING PLAN
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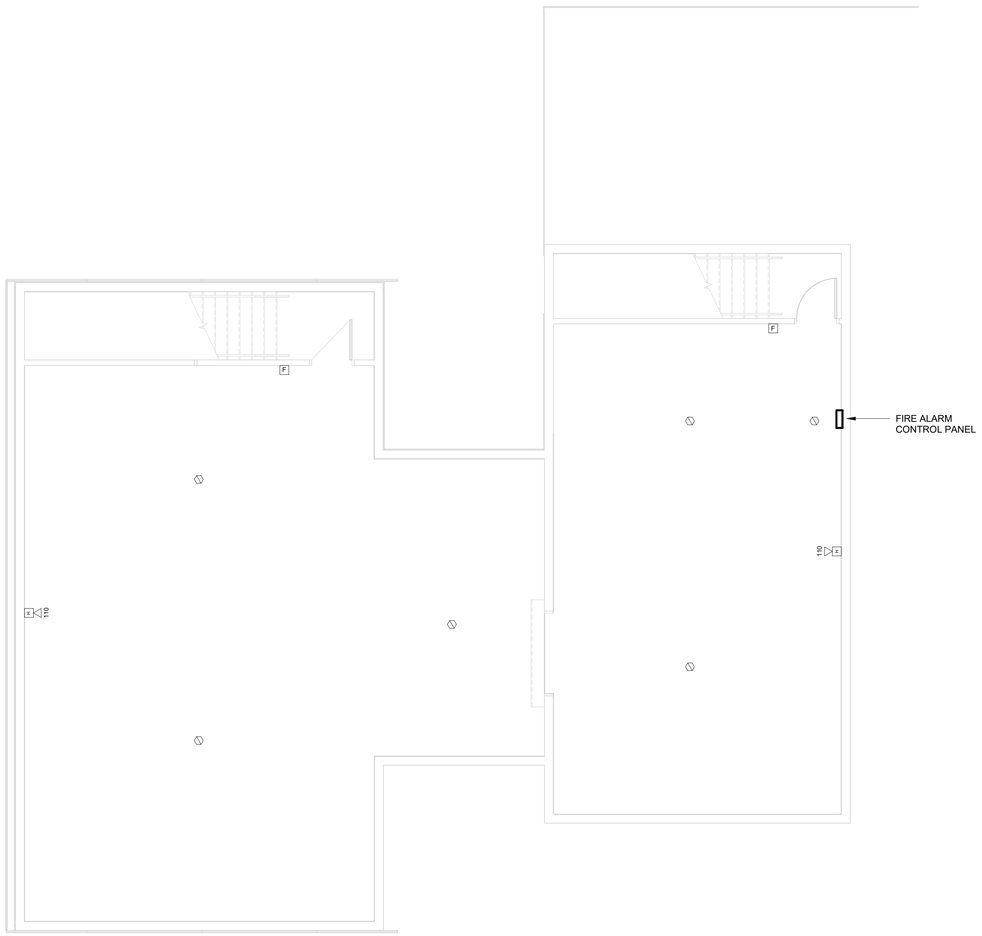

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VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT.

STATE OF NEW HAMPSHIRE
RICHARD A. WARD
LICENSED
PROFESSIONAL ENGINEER

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
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CONSTRUCTION DOCUMENTS

DRAWING TITLE:
ELECTRICAL BASEMENT FIRE ALARM PLAN

PROJECT NO: 23121 DATE: 6/24/24

SHEET NUMBER:
E-8

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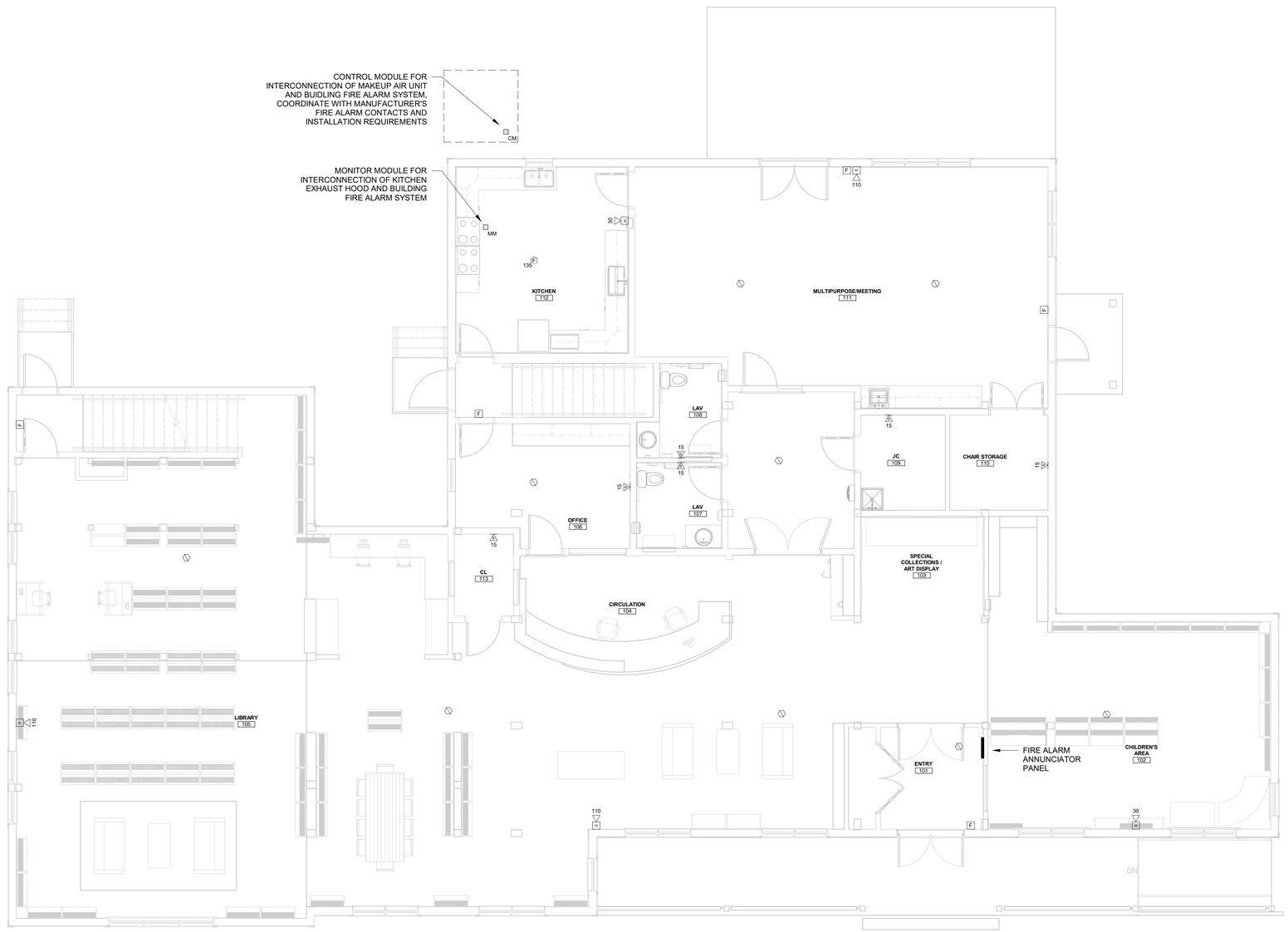

1 ELECTRICAL FIRST FLOOR FIRE ALARM PLAN
3/16" = 1'-0"

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STATE OF NEW HAMPSHIRE RICHARD J. MAHONEY 15873 LICENSED PROFESSIONAL ENGINEER

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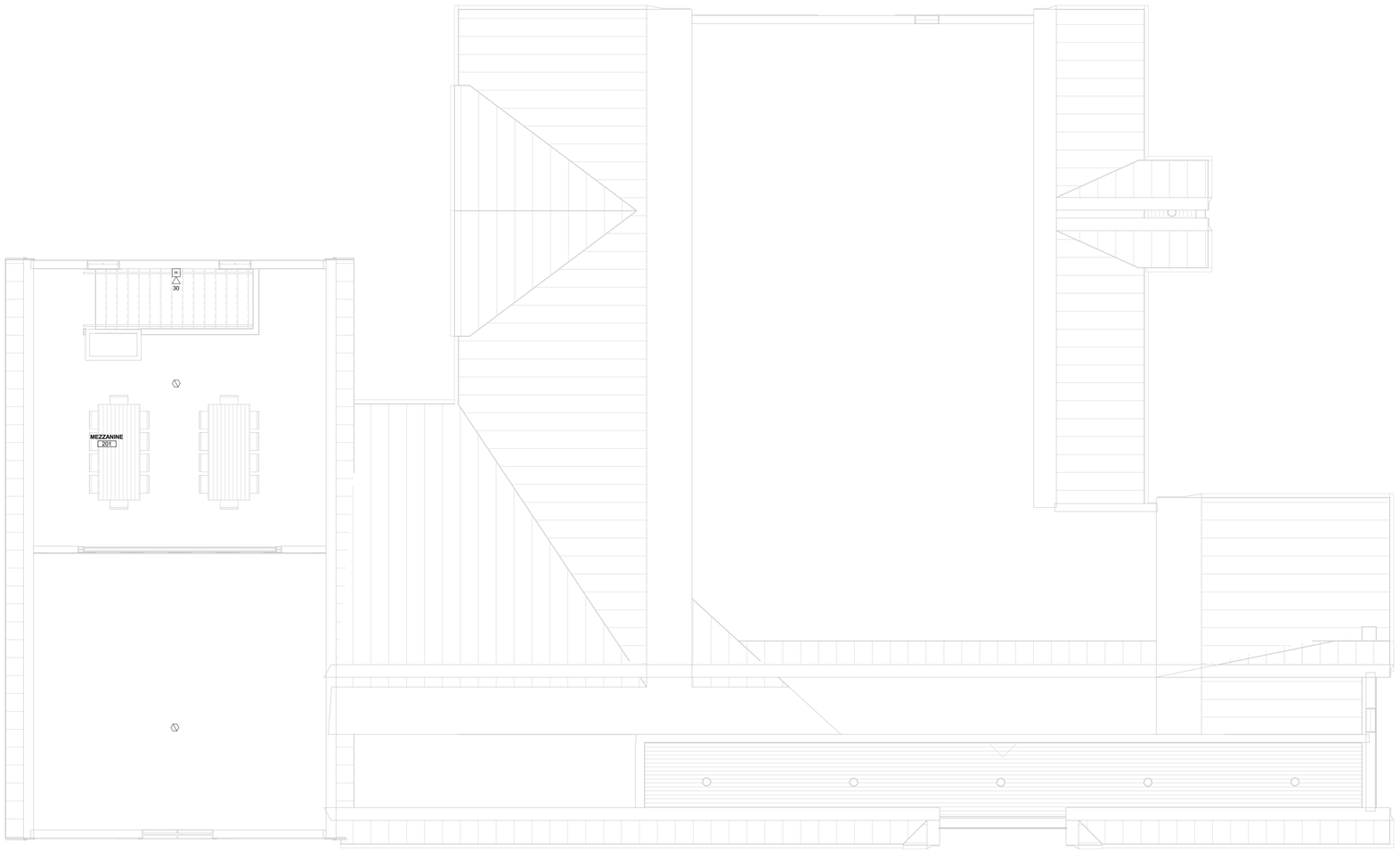

1 ELECTRICAL SECOND FLOOR FIRE ALARM PLAN
3/16" = 1'-0"

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RICHARD A. MARTENS
LICENSED PROFESSIONAL ENGINEER

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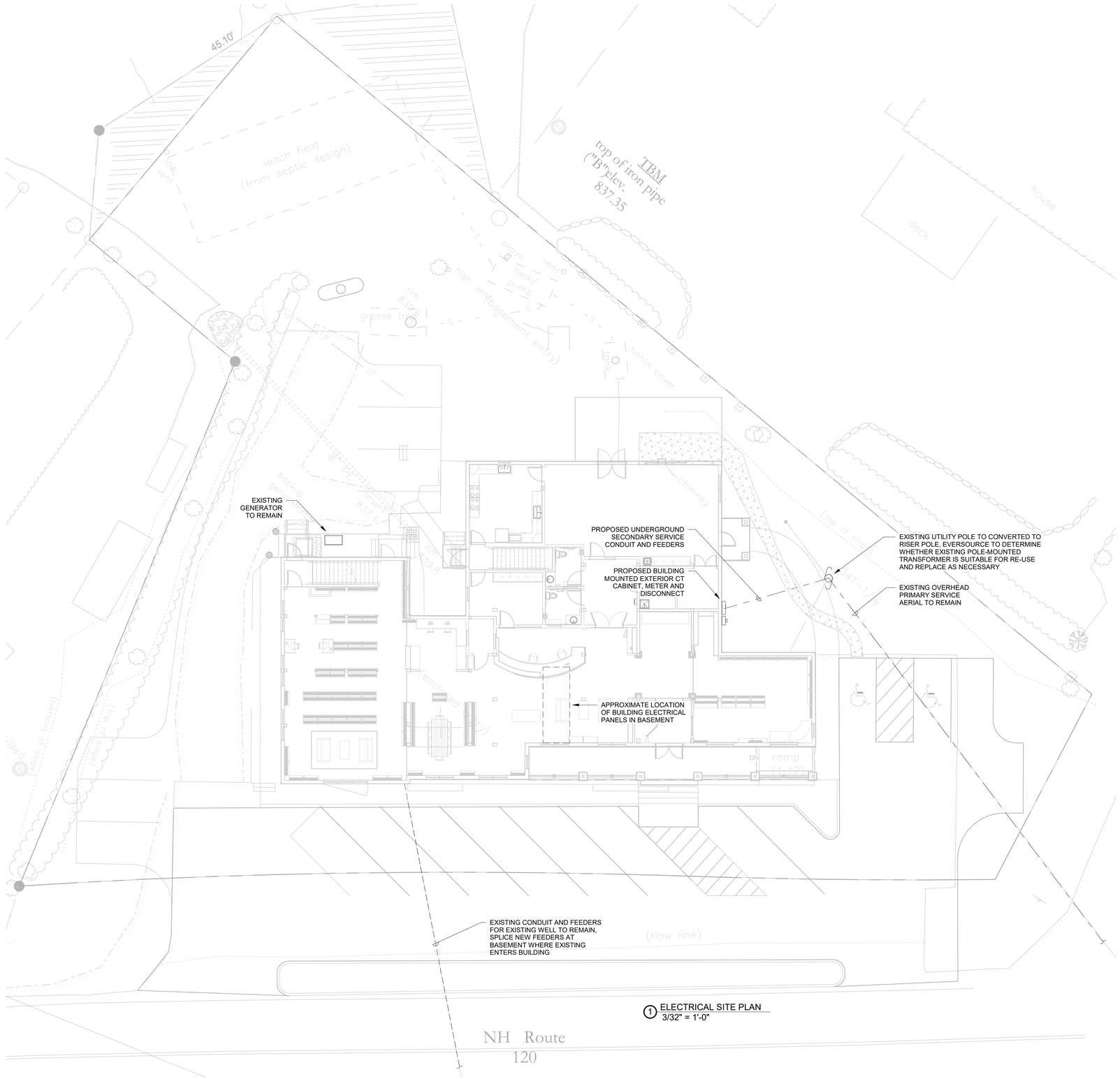

1 ELECTRICAL SITE PLAN
3/32" = 1'-0"

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STATE OF NEW HAMPSHIRE
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LICENSED PROFESSIONAL ENGINEER

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PROJECT NO: 23121 | DATE: 6/24/24

SHEET NUMBER:
E-11

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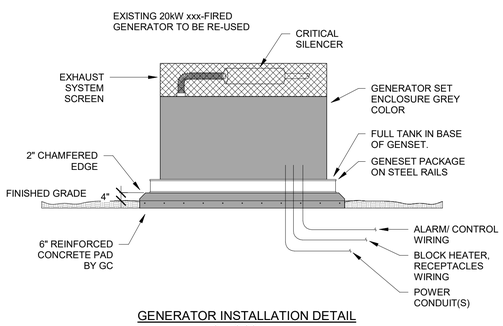
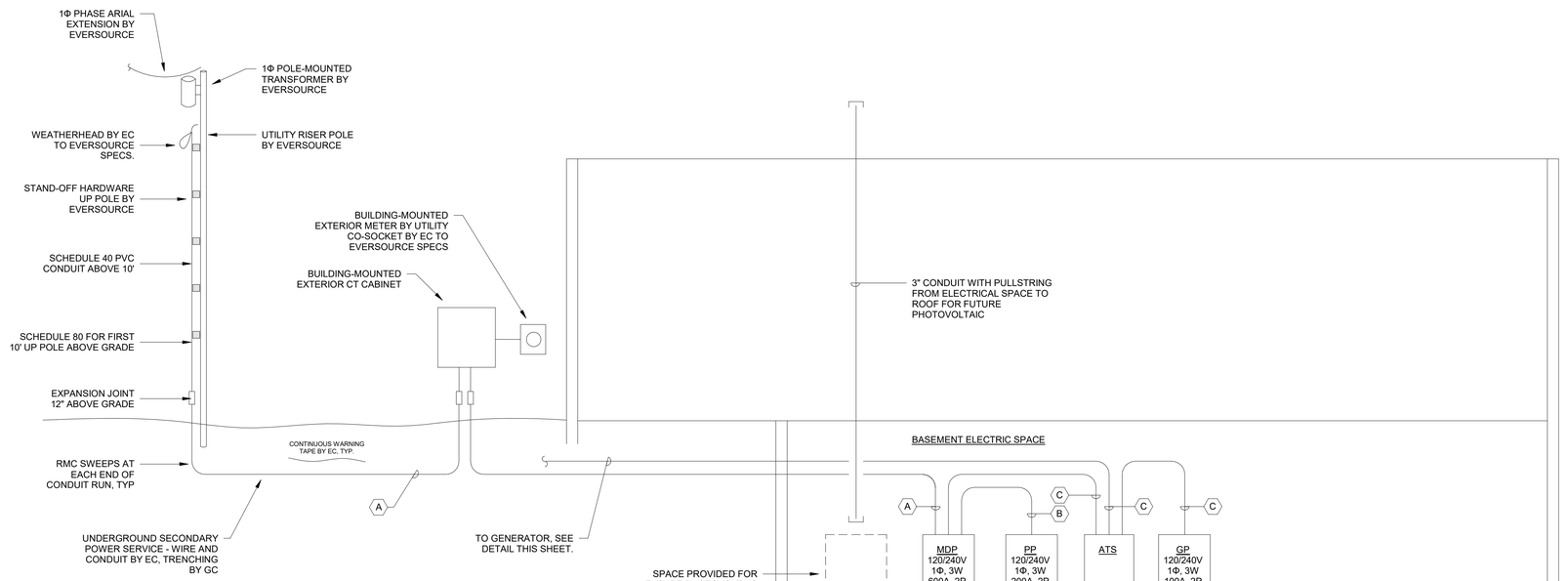
FEEDER SCHEDULE

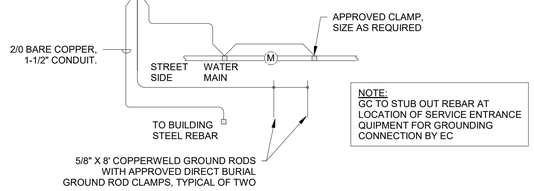
(A)	600A	COPPER:	(2) PARALLEL SETS OF (4) 350 MCM, EACH IN 3" C
		ALUMINUM:	(2) PARALLEL SETS OF (4) 500 MCM, EACH IN 4" C
(B)	200A	COPPER:	(4) 3/0, (1) #6 G, 2" C
		ALUMINUM:	(4) 250 MCM, (1) #4 G, 3" C
(C)	100A	COPPER:	(4) #1, (1) #8 G, 1-1/2" C



GENERATOR INSTALLATION DETAIL
NOT TO SCALE



ELECTRICAL POWER RISER DIAGRAM
NOT TO SCALE



NOTE:
GC TO STUB OUT REBAR AT LOCATION OF SERVICE ENTRANCE QUIPMENT FOR GROUNDING CONNECTION BY EC

PANEL: MDP **VOLTAGE:** 120/240V **PHASE:** 1 **MAIN:** 600 A **MLO:** [ ] **MCB:** [X]

TYPE: **PANELBOARD:** [X] **LOADCENTER** [ ] **PLUG IN** [ ] **BOLT ON** [X] **FAULT RATING:**

LOCATION: BASEMENT 001 **MOUNTING:** Surface

DIRECTORY	TRIP	CKT	A		B		CKT	TRIP	DIRECTORY
PP	200 A/2	1	12975	10100			2	125 A/2	MUA-1
--	--	3			13459	10100	4	--	--
GP	200 A/2	5	30134	4000			6	50 A/2	(ST) 112 KITCHEN RANGE
--	--	7			27665	4000	8	--	--
HUMIDIFIER H-1	40 A/2	9	3750	4000			10	50 A/2	(ST) 112 KITCHEN RANGE
--	--	11			3750	4000	12	--	--
HUMIDIFIER H-2	20 A/2	13	1850	4750			14	50 A/2	109 JAN. CL. DWH-1
--	--	15			1850	4750	16	--	--
HUMIDIFIER H-3	20 A/2	17	1850	4750			18	50 A/2	112 KITCH. DWH-2
--	--	19			1850	4750	20	--	--
ERV-1	20 A/2	21	320	4750			22	50 A/2	112 KITCHEN DWH-3
--	--	23			320	4750	24	--	--
ERV-2	20 A/2	25	750	1750			26	20 A/2	107 LAV. DWH-A
--	--	27			750	1750	28	--	--
(BL) FIRE ALARM CONTROL PANEL	20 A/1	29	500	1750			30	20 A/2	108 LAV. DWH-A
SPARE	20 A/1	31			0	1750	32	--	--
SPARE	20 A/1	33	0	1750			34	20 A/2	111 MEETING DWH-A
SPARE	20 A/1	35			0	1750	36	--	--
SPARE	20 A/1	37	0	0			38	20 A/1	SPARE
SPARE	20 A/1	39			0	0	40	20 A/1	SPARE
SPARE	20 A/1	41	0	0			42	20 A/1	SPARE

CONNECTED LOAD		74519 VA	72017 VA
DEMAND LOAD	70%	52163 VA	50412 VA
TOTAL DEMAND LOAD		94431 VA	

NOTES:
(ST) SHUNT TRIP BREAKER
(BL) BREAKER LOCK KIT
(GF) GROUND FAULT CIRCUIT INTERUPT BREAKER

PANEL: PP **VOLTAGE:** 120/240V **PHASE:** 1 **MAIN:** 200 A **MLO:** [X] **MCB:** [ ]

TYPE: **PANELBOARD:** [X] **LOADCENTER** [ ] **PLUG IN** [ ] **BOLT ON** [X] **FAULT RATING:**

LOCATION: BASEMENT 001 **MOUNTING:** Surface

DIRECTORY	TRIP	CKT	A		B		CKT	TRIP	DIRECTORY
103 ART RECEPTACLES	20 A/1	1	900	500			2	20 A/1	DEHUMIDIFIER DH-1
101 ENTRY & 102 CHILD RECEPTACLES	20 A/1	3			1440	500	4	20 A/1	DEHUMIDIFIER DH-2
104 CIRCULATION RECEPTACLES	20 A/1	5	540	500			6	20 A/1	DEHUMIDIFIER DH-3
104 CIRCULATION COFFEE RECEPTACLES	20 A/1	7			360	1080	8	20 A/1	001 BSMT RECEPTACLES
104 CIRCULATION REFRIGERATOR	20 A/1	9	1000	1080			10	20 A/1	002 BSMT RECEPTACLES
105 STACKS RECEPTACLES	20 A/1	11			720	360	12	20 A/1	201 MEZZ. RECEPTACLES
105 COMPUTER RECEPTACLES	20 A/1	13	720	180			14	20 A/1	ATTIC RECEPTACLE
105 LIBRARY RECEPTACLES	20 A/1	15			1080	180	16	20 A/1	EXTERIOR RECEPTACLE
106 OFFICE RECEPTACLES	20 A/1	17	540	1500			18	20 A/1	GENERATOR BLOCK HEATER
107/108 LAV. & 109 JAN. RECEPTACLES	20 A/1	19			1360	180	20	20 A/1	GENERATOR RECEPTACLE
111 MEETING RECEPTACLES	20 A/1	21	900	756			22	20 A/1	BASEMENT LIGHTING
111 MEETING RECEPTACLES	20 A/1	23			900	1299	24	20 A/1	STACKS LIGHTING
111 MEETING FLOOR RECEPTACLES	20 A/1	25	720	1323			26	20 A/1	KITCH / MP RM LIGHTING
111 MEETING CTR RECEPTACLES	20 A/1	27			720	1080	28	20 A/1	CHANDELIER LIGHTING "a"
112 KITCHEN CTR RECEPTACLES	20 A/1	29	900	0			30	20 A/1	MEZZ. / CLOUD RECESSED CAN LIGHTING "b"
112 KITCHEN CTR RECEPTACLES	20 A/1	31			720	200	32	20 A/1	CEILING FANS "c"
112 MICROWAVE	20 A/1	33	180	336			34	20 A/1	ATTIC LIGHTING
115 HALL DRINKING FOUNTAIN	20 A/1	35			1000	280	36	20 A/1	EXT. BLDG. MTD. LIGHTING
BLANK	/1	37	--	500			38	20 A/1	FUTURE SITE LIGHTING
BLANK	/1	39			--	0	40	20 A/1	SPARE
BLANK	/1	41	--	0			42	20 A/1	SPARE

CONNECTED LOAD		12975 VA	13459 VA
DEMAND LOAD	70%	9083 VA	9421 VA
TOTAL DEMAND LOAD		15848 VA	

(ST) SHUNT TRIP BREAKER
(BL) BREAKER LOCK KIT
(GF) GROUND FAULT CIRCUIT INTERUPT BREAKER

PANEL: GP **VOLTAGE:** 120/240V **PHASE:** 1 **MAIN:** 100 A **MLO:** [ ] **MCB:** [X]

TYPE: **PANELBOARD:** [X] **LOADCENTER** [ ] **PLUG IN** [ ] **BOLT ON** [X] **FAULT RATING:**

LOCATION: BASEMENT 001 **MOUNTING:** Surface

DIRECTORY	TRIP	CKT	A		B		CKT	TRIP	DIRECTORY
ASHP-1 MODULE #1	50 A/2	1	4512	1500			2	20 A/2	001 BSMT UH-A
--	--	3			4512	1500	4	--	--
ASHP-1 MODULE #2	50 A/2	5	4512	1500			6	20 A/2	001 BSMT UH-A
--	--	7			4512	1500	8	--	--
ASHP-2	40 A/2	9	3535	1500			10	20 A/2	002 BSMT UH-A
--	--	11			3535	1500	12	--	--
HEATING COIL HC-1	20 A/2	13	1000	1500			14	20 A/2	002 BSMT UH-A
--	--	15			1000	1500	16	--	--
HEATING COIL HC-2	40 A/2	17	4000	1500			18	20 A/1	101 ENTRY CUH-1
--	--	19			4000	500	20	20 A/1	114 STAIR CUH-A
BRANCH BOX AND EVAPORATORS	30 A/2	21	1600	500			22	20 A/1	STAIR CUH-A
--	--	23			1600	1000	24	20 A/1	(GF) 112 KITCHEN REFRIGERATOR
EX. WELL PUMP	20 A/2	25	500	360			26	20 A/1	TELE / DATA BACKBOARD RECEPTACLE
--	--	27			500	360	28	20 A/1	TELE / DATA BACKBOARD RECEPTACLE
EX. SEPTIC TANK PUMP	30 A/1	29	2500	0			30	20 A/1	SPARE
SUMP PUMP SP-1	20 A/1	31			500	0	32	20 A/1	SPARE
SUMP PUMP SP-2	20 A/1	33	500	0			34	20 A/1	SPARE
SUMP PUMP SP-3	20 A/1	35			500	0	36	20 A/1	SPARE
SPARE	20 A/1	37	0	0			38	20 A/1	SPARE
SPARE	20 A/1	39			0	0	40	20 A/1	SPARE
SPARE	20 A/1	41	0	0			42	20 A/1	SPARE

CONNECTED LOAD		30134 VA	27665 VA
DEMAND LOAD	70%	21093 VA	19366 VA
TOTAL DEMAND LOAD		40458 VA	

(ST) SHUNT TRIP BREAKER
(BL) BREAKER LOCK KIT
(GF) GROUND FAULT CIRCUIT INTERUPT BREAKER

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ELECTRICAL POWER RISER & PANEL SCHEDULES

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