FOX HOPYARD - PROPOSED POOL HOUSE

1 Hopyard Road
East Haddam, CT 06423

ISSUED FOR PERMIT/CONSTRUCTION
MAY 10, 2023

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Worcester, MA 01604
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SYMBOLS

ACOUSTICAL TILE
ALUMINUM
BLUESTONE / SLATE SOAPSTONE / FLAGGING
BRASS / BRONZE
BRICK (ELEVATION INDICATION)
CARPET AND PAD
CERAMIC TILE
CERAMIC TILE (ELEVATION INDICATION)
CONCRETE
CONCRETE / GWB (ELEVATION INDICATION)
CORK TACKBOARD (SECTION INDICATION)
EARTH / COMPACT FILL
FACE BRICK
GLASS (ELEVATION INDICATION)
GLAZED BRICK
GYPSUM BOARD, GYPSUM LATH & MASONITE

INSULATION (BATT/LOOSE FILL)
MASONRY BLOCK
METAL LATH AND PLASTER
METAL STUD PARTITION
NEW CONCRETE SLAB PATCH
PLASTIC
PLYWOOD
RIGID INSULATION
FINISHED WOOD
ROUGH LUMBER
SHEET METAL (ELEVATION INDICATION)
SHINGLE / SIDING (ELEVATION INDICATION)
STEEL / OTHER METALS
STRUCTURAL GLAZED TILE
TERRAZZO
WOOD STUD PARTITION

VERTICAL ELEVATION: FLOOR LEVEL IDENTIFICATION ELEVATION IDENTIFICATION)
PROPERTY LINES, MATCH LINES (USE WITH: PART "X")
SMOKE PARTITION
1 HR FIRE SEPARATION WALL
2 HR FIRE SEPARATION WALL
Ⓒ CAULKING
Ⓕ COMPRESSIBLE FILLER
Ⓡ BACKER ROD
Ⓢ SEALANT
1 PARTITION TYPE
X CENTER LINE OF COLUMN GRIDS COLUMN NAME
XC CENTER LINE OF EXISTING COLUMN
DETAIL: DETAIL IDENTIFICATION CUT ON ONE SHEET, SHOWN ON ANOTHER
X.XX KEYED NOTE
DX.XX DEMO - KEYED NOTE

WALL SECTION: SECTION IDENTIFICATION / SHEET WHERE SECTION IS DRAWN
BUILDING SECTION: SECTION IDENTIFICATION / SHEET WHERE SECTION IS DRAWN
EXTERIOR ELEVATION: ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
12 EXTERIOR ELEVATION: ELEVATION IDENTIFICATION
OFFICE / 103 ROOM IDENTIFICATION: ROOM NAME / ROOM NUMBER
A7.2 INTERIOR ELEVATION: ELEVATION IDENTIFICATION: (UNFOLD ELEV. CLOCKWISE NO NUMBER MEANS ELEVATION NOT SHOWN)ROOM NUMBER / SHEET WHERE ELEVATION IS DRAWN
STF1B DOOR TAG
W-X WINDOW TAG

NAME / NAME THRESHOLD TAG
NEW DOOR
EXISTING DOOR

ABBREVIATIONS

ACOUST.	ACOUSTICAL	DSP.	DISPENSER	HDWR.	HARDWARE	O.A.	OVERALL
A.D.	AREA DRAIN	D.W.	DRYWALL	H.M.	HOLLOW METAL	O.C.	ON CENTER
ADJ.	ADJUSTABLE	DWG.	DRAWING	HORIZ.	HORIZONTAL	O.D.	OUTSIDE DIAMETER
AFF	ABOVE FINISHED FLOOR			HR.	HOUR	O.H.	OPPOSITE HAND
ALU.	ALUMINUM	EX. TERR.	EXISTING TERRAZZO	HT.	HEIGHT	OPER.	OPERATE
ALUM.	ALUMINUM	EA.	EACH	HVAC	HEATING, VENTILATION, & AIR CONDITIONING	OPNG.	OPENING
ANCHOR	ANCHOR	ED.	EDUCATION			OVHD.	OVERHEAD
APPROX.	APPROXIMATELY	E.J.	EXPANSION JOINT			OZ.	OUNCES
@	AT	EXP. JT.	EXPANSION JOINT				
		EL.	ELEVATION (GRADE)	I.D.	INSIDE DIAMETER	PTD.	PAINTED
BD.	BOARD	ELEV.	ELEVATION (FACADE)	IN.	INCH, INCHES	PR.	PAIR
BRT.	BRACKET	ELEC.	ELECTRICAL	IN.2	SQUARE INCHES	PNL.	PANEL
BLDG.	BUILDING	ELEV.	ELEVATOR	IN.3	CUBIC INCHES	PARTN.	PARTITION
BLK.	BLOCK	EQ./=	EQUALS	INCAN.T	INCANDESCENT	PTCH.	PATCHWORK
BLKG.	BLOCKING	E.D.	EACH SIDE	INFIL.	INFILTRATION	PER.	PERIMETER
BM	BEAM	E.T.R.	EXISTING TO REMAIN	INSUL.	INSULATION	PERP.	PERPENDICULAR
BOTTOM	BOTTOM	EXH.	EXHAUST	INT.	INTERIOR	P.L.	PLASTIC LAMINATE
BSMT	BASEMENT	EXIST.	EXISTING	INV.	INVERT	PL.	PLATE
		EXP.	EXPOSED			PLAS.	PLASTER
CAB.	CABINET	EXT.	EXTERIOR	JST.	JOIST	PLUMB.	PLUMBING
C.B.	CHALKBOARD	EXTIN.	EXTINGUISHER	JT.	JOINT	PLYWD.	PLYWOOD
CEM.	CEMENT					POL.	POLISHED
C.G.	CORNER GUARD	F.O.F.	FACE OF FINISH	LAM.	LAMINATED	P.T.	PRESSURE TREATED
C.I.	CAST IRON	F.F.	FACTORY FINISH	LB./#	POUND		
C.I.P.	CAST-IN-PLACE	F.O.S	FACE OF STUD	L.C.	LEAD COATED	Q.T.	QUARRY TILE
C.J.	CONTROL JOINT	FT	FEET / FOOT	L.D.P.	LAMINATED DRYWALL PART.	QTY.	QUANTITY
CLG.	CEILING	F.D.P.	FIRE DEPARTMENT PANEL	LGHT.	LENGTH		
CHKG.	CHALKING	F.D.C.	FIRE DEPARTMENT CONNECTION	L.G.M.F.	LIGHT GAGE METAL FRAMING	RAD. ENCL.	RADIATOR ENCLOSURE
CLR.	CLEAR	F.C.	FIRE CODE	L.P.	LOW POINT	RAD.	RADIUS
CLOS.	CLOSET	F.E.	FIRE EXTINGUISHER	LT. WT.	LIGHT WEIGHT	R.W.L.	RAIN WATER LEADER
C.O.	CLEAR OPENING	F.E.C.	FIRE EXTINGUISHER CABINET	LIN.	LINOLEUM	REINF.	REINFORCING
COL.	COLUMN	F.H.C.	FIRE HOSE CABINET	LVR.	LOUVER	REF.	REFRIGERATOR
CONC.	CONCRETE	F.S.	FIRE SHIELD			REQ.	REQUIRED
C.H.P.	CONCRETE HOUSEKEEPING PAD	FIN.	FINISH	MACH.	MACHINE	RES.	RESILIENT
D.	CONDITION	FLASH.	FLASHING	MAS.	MASONRY	R.B.	RESILIENT BASE
CONST.	CONSTRUCTION	F.B.	FLAT BAR	M.O.	MASONRY OPENING	R.	RETAINING
CONT.	CONTINUOUS	FLR.	FLOOR	M.	MATERIAL	RM.	ROOM
CONTR.	CONTRACTOR	F.D.	FLOOR DRAIN	MAX.	MAXIMUM	R.O.	ROUGH OPENING
CORR.	CORRIDOR	FL./FLUOR.	FLUORESCENT	MECH.	MECHANICAL		
CPT.	CARPET	F. SZ.	FULL SIZE	MEMB.	MEMBRANE	SCHED.	SCHEDULE
C.R.	COLD ROLLED	FT^2	SQUARE FEET	MTL.	METAL	S.C.	SEALED CONCRETE
CRS.	COURSES	FT^3	CUBIC FEET	M.D.	METAL DOOR	SDT	STATIC DISSIPATIVE TILE
CSK.	COUNTER SINK	F.O.	FRAMED OPENING	MT. TH	METAL THRESHOLD	SECT.	SECTION
C.T.	CERAMIC TILE	FUR.	FURRING	MFGR.	MANUFACTURER	SH.	SHELVES
CU.	CUBIC			MIN.	MINIMUM	SHT.	SHEET
C.U.H.	CABINET UNDER HEATER	G.C.	GENERAL CONTRACTOR	MISC.	MISCELLANEOUS	S.I.G.S.	SILICON IMPREGNATED GYPSUM SHEATHING
C.M.U.	CONCRETE MASONRY UNIT	GL.	GLASS	MLDG.	MOLDING		
C.S.M.U.	CALCIUM SILICATE MASONRY	GR.	GRADE	MTD.	MOUNTED	SIM.	SIMILAR
D.A.	DOUBLE ACTING	G.S.U.	GLAZED STRUCTURAL UNIT			SLID.	SLIDING
D.A.F.S	DIRECT APPLIED FINISH	GYP.	GYPSUM	NAT.	NATURAL	SPEC.	SPECIFICATIONS
DET.	DETAIL	G.W.B.	GYPSUM WALLBOARD	N.C.	NON-CORROSIVE	SQ.	SQUARE
D.F.	DRINKING FOUNTAIN			N.I.C.	NOT IN CONTRACT	STOR.	STORAGE
DN.	DOWN	H.C.	HANDICAP	NO./#	NUMBER	S.T.	STRUCTURAL TUBE
DO.	DITTO (REPEAT)	H.C.P.	HANDICAP	NOM.	NOMINAL	S.S.	STAINLESS STEEL
D.O.	DOOR OPENING	HD.	HIGH DENSITY			STD.	STANDARD

STL.	STEEL		
STRUCT.	STRUCTURAL		
SUSP.	SUSPENDED		
T.	TREADS		
TBLE.	TABLE		
T.B.	TACK BOARD		
T.C.	TERRA COTTA		
TEL.	TELEPHONE		
TERR.	TERRAZZO		
T&G	TONGUE & GROOVE		
THK.	THICKNESS		
THRESH.	THRESHOLD		
TLT.	TOILET		
T.O.B.	TOP OF BLOCKING		
T.O.C.	TOP OF CONCRETE		
T.O.S.	TOP OF STEEL		
T.O.W.	TOP OF WALL		
TYP.	TYPICAL		
TWR.	TOWER		
U.C.	UNDERCUT		
U.L.	UNDERWRITERS LABORATORY		
U.O.N.	UNLESS OTHERWISE NOTED		
UP.	UPPER		
U.V.	UNIT VENTILATOR		
V.C.	VINYL CLAD		
V.C.T.	VINYL COMPOSITION TILE		
VENT.	VENTILATOR		
VERT.	VERTICAL		
V.W.C	VINYL WALL COVERING		
W.	WIDE		
WF.	WIDE FLANGE		
W/	WITH		
W.C.	WATER CLOSET		
WD.	WOOD		
W.A.	WINDOW DIMENSION		
W.I.	WROUGHT IRON		
WIND.	WINDOW		
W.O.	WINDOW OPENING		
W.P.	WATERPROOFING		
WT.	WEIGHT		
W.W.M.	WELDED WIRE MESH		
W.W.F.	WELDED WIRE FABRIC		
X	INDICATES TIMES OR BY		
YD.	YARD		
Z	ZEE		

DRAWING LIST

ARCHITECTURAL

A0.1	SYMBOLS & ABBREVIATIONS
A0.2	PROJECT SPECIFICATIONS
A0.3	PROJECT SPECIFICATIONS (CONTINUED)
A0.4	PROJECT SPECIFICATIONS (CONTINUED), BASE & TRANSITION DETAILS, PARTITION TYPES
A0.5	DOOR & FRAME TYPES, WINDOW TYPES, DOOR SCHEDULE
CR1.1	LIFE SAFETY PLAN CODE REVIEW
A1.1	FOUNDATION PLAN
A1.2	FIRST FLOOR PLAN
A1.3	ATTIC / MECHANICAL ROOM PLAN
A1.4	FINISH PLAN BASEMENT AND FIRST FLOOR
A1.5	FIRST FLOOR FURNITURE AND EQUIPMENT PLAN
A1.6	ENLARGED FLOOR PLAN, INTERIOR ELEVATIONS
A1.7	INTERIOR ELEVATIONS, TOILET ACCESSORIES, VANITY AND SHOWER DETAILS
A1.8	FIRST FLOOR PLAN, ENLARGED KITCHEN PLAN
A1.9	FIRST FLOOR PLAN, ENLARGED BAR PLAN, ENLARGED BAR DETAILS
A2.1	ROOF PLAN
A3.1	BASEMENT REFLECTED CEILING PLAN
A3.2	FIRST FLOOR REFLECTED CEILING PLAN
A4.1	EXTERIOR ELEVATIONS
A4.2	EXTERIOR ELEVATIONS
A5.1	BUILDING SECTIONS
A5.2	BUILDING SECTIONS
A6.1	WALL SECTIONS
A6.2	WALL SECTIONS
A6.3	WALL SECTIONS
A6.4	WALL SECTIONS & VERTICAL DETAILS
A6.5	VERTICAL DETAILS
A6.6	VERTICAL DETAILS

FIRE PROTECTION

DESIGN BUILD BY OTHERS

PLUMBING

P1.1	FOUNDATION PLUMBING PLAN
P1.2	FIRST FLOOR PLUMBING PLAN
P1.3	ATTIC/MECHANICAL ROOM PLUMBING PLAN
P2.1	PLUMBING DETAILS, NOTES AND SCHEDULES

MECHANICAL

H1.1	FOUNDATION HVAC PLAN
H1.2	FIRST FLOOR HVAC PLAN
H1.3	ATTIC/MECHANICAL ROOM HVAC PLAN
H2.1	HVAC DETAILS, NOTES AND SCHEDULES

ELECTRICAL

E1.1	BASEMENT FLOOR PLAN LIGHTING & POWER
E2.1	FIRST FLOOR PLAN LIGHTING & POWER
E3.1	ATTIC FLOOR PLAN LIGHTING & POWER
E4.1	LEGENDS, SCHEDULES AND DETAILS
FA.1	BASEMENT AND FIRST FLOOR FIRE ALARM

SYMBOLS

- ACOUSTICAL TILE
- ALUMINUM
- BLUESTONE / SLATE SOAPSTONE / FLAGGING
- BRASS / BRONZE
- BRICK (ELEVATION INDICATION)
- CARPET AND PAD
- CERAMIC TILE
- CERAMIC TILE (ELEVATION INDICATION)
- CONCRETE
- CONCRETE / GWB (ELEVATION INDICATION)
- CORK TACKBOARD (SECTION INDICATION)
- EARTH / COMPACT FILL
- FACE BRICK
- GLASS (ELEVATION INDICATION)
- GLAZED BRICK
- GYPSUM BOARD, GYPSUM LATH & MASONITE
- INSULATION (BATT/LOOSE FILL)
- MASONRY BLOCK
- METAL LATH AND PLASTER
- METAL STUD PARTITION
- NEW CONCRETE SLAB PATCH
- PLASTIC
- PLYWOOD
- RIGID INSULATION
- FINISHED WOOD
- ROUGH LUMBER
- SHEET METAL (ELEVATION INDICATION)
- SHINGLE / SIDING (ELEVATION INDICATION)
- STEEL / OTHER METALS
- STRUCTURAL GLAZED TILE
- TERRAZZO
- WOOD STUD PARTITION

- VERTICAL ELEVATION: FLOOR LEVEL IDENTIFCATION ELEVATION IDENTIFICATION)
- 1 HR FIRE SEPARATION WALL
- 2 HR FIRE SEPARATION WALL
- Ⓒ CAULKING
- Ⓕ COMPRESSIBLE FILLER
- Ⓡ BACKER ROD
- Ⓢ SEALANT
- 1 PARTITION TYPE
- X CENTER LINE OF COLUMN GRIDS COLUMN NAME
- XC CENTER LINE OF EXISTING COLUMN
- DETAIL: DETAIL IDENTIFICATION CUT ON ONE SHEET, SHOWN ON ANOTHER
- X.XX KEYED NOTE
- DX.XX DEMO - KEYED NOTE
- 000A DOOR TAG
- W-X WINDOW TAG

- WALL SECTION: SECTION IDENTIFICATION
- SHEET WHERE SECTION IS DRAWN
- BUILDING SECTION: SECTION IDENTIFICATION
- SHEET WHERE SECTION IS DRAWN
- EXTERIOR ELEVATION: ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
- 12 EXTERIOR ELEVATION: ELEVATION IDENTIFICATION
- INTERIOR ELEVATION: ELEVATION IDENTIFICATION: (UNFOLD ELEV. CLOCKWISE NO NUMBER MEANS ELEVATION NOT SHOWN)ROOM NUMBER
- SHEET WHERE ELEEVATION IS DRAWN
- NAME / NAME THRESHOLD TAG
- NEW DOOR
- EXISTING DOOR

ABBREVIATIONS

ACOUST.	ACOUSTICAL
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALU.	ALUMINUM
ALUM.	ALUMINUM
ANCHOR	ANCHOR
APPROX.	APPROXIMATELY
@	AT
BD.	BOARD
BRT.	BRACKET
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM	BEAM
BOTTOM	BOTTOM
BSMT	BASEMENT
CAB.	CABINET
C.B.	CHALKBOARD
CEM.	CEMENT
C.G.	CORNER GUARD
C.I.	CAST IRON
C.I.P.	CAST-IN-PLACE
C.J.	CONTROL JOINT
CLG.	CEILING
CHKG.	CHALKING
CLR.	CLEAR
CLOS.	CLOSET
C.O.	CLEAR OPENING
COL.	COLUMN
CONC.	CONCRETE
C.H.P.	CONCRETE HOUSEKEEPING PAD
D.	CONDITION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CORR.	CORRIDOR
CPT.	CARPET
C.R.	COLD ROLLED
CRS.	COURSES
CSK.	COUNTER SINK
C.T.	CERAMIC TILE
CU.	CUBIC
C.U.H.	CABINET UNDER HEATER
C.M.U.	CONCRETE MASONRY UNIT
C.S.M.U.	CALCIUM SILICATE MASONRY
D.A.	DOUBLE ACTING
D.A.F.S	DIRECT APPLIED FINISH
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
DN.	DOWN
DO.	DITTO (REPEAT)
D.O.	DOOR OPENING
DSP.	DISPENSER
D.W.	DRYWALL
DWG.	DRAWING
EX. TERR.	EXISTING TERRAZZO
EA.	EACH
ED.	EDUCATION
E.J.	EXPANSION JOINT
EXP. JT.	EXPANSION JOINT
EL.	ELEVATION (GRADE)
ELEV.	ELEVATION (FAÇADE)
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EQ./=	EQUALS
E.D.	EACH SIDE
E.T.R.	EXISTING TO REMAIN
EXH.	EXHAUST
EXIST.	EXISTING
EXP.	EXPOSED
EXT.	EXTERIOR
EXTIN.	EXTINGUISHER
F.O.F.	FACE OF FINISH
F.F.	FACTORY FINISH
F.O.S	FACE OF STUD
FT	FEET / FOOT
F.D.P.	FIRE DEPARTMENT PANEL
F.D.C.	FIRE DEPARTMENT CONNECTION
F.C.	FIRE CODE
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.C.	FIRE HOSE CABINET
F.S.	FIRE SHIELD
FIN.	FINISH
FLASH.	FLASHING
F.B.	FLAT BAR
FLR.	FLOOR
F.D.	FLOOR DRAIN
FL./FLUOR.	FLUORESCENT
F. SZ.	FULL SIZE
FT^2	SQUARE FEET
FT^3	CUBIC FEET
F.O.	FRAMED OPENING
FUR.	FURRING
G.C.	GENERAL CONTRACTOR
GL.	GLASS
GR.	GRADE
G.S.U.	GLAZED STRUCTURAL UNIT
GYP.	GYPSUM
G.W.B.	GYPSUM WALLBOARD
H.C.	HANDICAP
H.C.P.	HANDICAP
HD.	HIGH DENSITY
HDWR.	HARDWARE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
I.D.	INSIDE DIAMETER
IN.	INCH, INCHES
IN.2	SQUARE INCHES
IN.3	CUBIC INCHES
INCAN.T	INCANDESCENT
INFIL.	INFILTRATION
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JST.	JOIST
JT.	JOINT
LAM.	LAMINATED
LB./#	POUND
L.C.	LEAD COATED
L.D.P.	LAMINATED DRYWALL PART.
LGHT.	LENGTH
L.G.M.F.	LIGHT GAGE METAL FRAMING
L.P.	LOW POINT
LT. WT.	LIGHT WEIGHT
LIN.	LINOLEUM
LVR.	LOUVER
MACH.	MACHINE
MAS.	MASONRY
M.O.	MASONRY OPENING
M.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MTL.	METAL
M.D.	METAL DOOR
MT. TH	METAL THRESHOLD
MFGR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MLDG.	MOLDING
MTD.	MOUNTED
NAT.	NATURAL
N.C.	NON-CORROSIVE
N.I.C.	NOT IN CONTRACT
NO./#	NUMBER
NOM.	NOMINAL
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OPPOSITE HAND
OPER.	OPERATE
OPNG.	OPENING
OVHD.	OVERHEAD
OZ.	OUNCES
PTD.	PAINTED
PR.	PAIR
PNL.	PANEL
PARTN.	PARTITION
PTCH.	PATCHWORK
PER.	PERIMETER
PERP.	PERPENDICULAR
P.L.	PLASTIC LAMINATE
PL.	PLATE
PLAS.	PLASTER
PLUMB.	PLUMBING
PLYWD.	PLYWOOD
POL.	POLISHED
P.T.	PRESSURE TREATED
Q.T.	QUARRY TILE
QTY.	QUANTITY
RAD. ENCL.	RADIATOR ENCLOSURE
RAD.	RADIUS
R.W.L.	RAIN WATER LEADER
REINF.	REINFORCING
REF.	REFRIGERATOR
REQ.	REQUIRED
RES.	RESILIENT
R.B.	RESILIENT BASE
R.	RETAINING
RM.	ROOM
R.O.	ROUGH OPENING
SCHED.	SCHEDULE
S.C.	SEALED CONCRETE
SDT	STATIC DISSIPATIVE TILE
SECT.	SECTION
SH.	SHELVES
SHT.	SHEET
S.I.G.S.	SILICON IMPREGNATED GYPSUM SHEATHING
SIM.	SIMILAR
SLID.	SLIDING
SPEC.	SPECIFICATIONS
SQ.	SQUARE
STOR.	STORAGE
S.T.	STRUCTURAL TUBE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
T.	TREADS
TBLE.	TABLE
T.B.	TACK BOARD
T.C.	TERRA COTTA
TEL.	TELEPHONE
TERR.	TERRAZZO
T&G	TONGUE & GROOVE
THK.	THICKNESS
THRESH.	THRESHOLD
TLT.	TOILET
T.O.B.	TOP OF BLOCKING
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
TWR.	TOWER
U.C.	UNDERCUT
U.L.	UNDERWRITERS LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
UP.	UPPER
U.V.	UNIT VENTILATOR
V.C.	VINYL CLAD
V.C.T.	VINYL COMPOSITION TILE
VENT.	VENTILATOR
VERT.	VERTICAL
V.W.C	VINYL WALL COVERING
W.	WIDE
WF.	WIDE FLANGE
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
W.A.	WINDOW DIMENSION
W.I.	WROUGHT IRON
WIND.	WINDOW
W.O.	WINDOW OPENING
W.P.	WATERPROOFING
WT.	WEIGHT
W.W.M.	WELDED WIRE MESH
W.W.F.	WELDED WIRE FABRIC
X	INDICATES TIMES OR BY
YD.	YARD
Z	ZEE

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Consultants

Revisions

HOPYARD GOLF CLUB
Proposed Pool House
1 Hopyard Road
East Haddam, CT 06423

STATE OF CONNECTICUT DANIEL R. GOZZI LICENSED ARCHITECT

SYMBOLS & ABBREVIATIONS

Project Number 2023.054
Drawing Scale 3/16"=1'-0"
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A0.1

DIVISION 01-GENERAL REQUIREMENTS

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF 2021 INTERNATIONAL BUILDING CODE WITH THE STATE OF CONNECTICUT AMENDMENTS.

1. ALL WORK MUST MEET STATE, LOCAL AND OTHER APPLICABLE CODES.
2. NOTIFY THE ARCHITECT IMMEDIATELY IF CONDITIONS ARE DIFFERENT THAN INDICATED ON THE PLANS UNLESS OTHERWISE NOTED. DETAILS SHOWN ON ANY DRAWINGS SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
3. THE CONTRACTOR SHALL CHECK AND COORDINATE STRUCTURAL DRAWINGS WITH ALL OTHER DRAWINGS OF ALL OTHER TRADES.
4. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING TO ENSURE STABILITY OF THE STRUCTURE AND ITS COMPONENTS DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY THE ARCHITECT/OWNER OF ANY DISCREPANCIES.
6. REQUIRED TESTING

   THE OWNER WILL EMPLOY INDEPENDENT TESTING AGENCIES TO PERFORM FIELD AND LAB TESTS UNLESS OTHERWISE SPECIFIED OR INDICATED IN OTHER SECTIONS OF THESE SPECIFICATIONS. THIS TESTING WILL BE PAID FOR BY THE OWNER, UNLESS OTHERWISE SPECIFIED OR INDICATED. EMPLOYMENT OF TESTING LABORATORY SHALL IN NO WAY RELIEVE CONTRACTOR OF HIS OBLIGATION TO PERFORM WORK IN ACCORDANCE WITH THE CONTRACT. THE CONTRACTOR SHALL PROVIDE STANDARD FACTORY TESTING, CERTIFICATION OF COMPLIANCE WITH SPECIFIED REQUIREMENTS, TESTING FOR FIRE PERFORMANCE, AND OTHER TESTS AS SPECIFIED OR INDICATED. MORE DETAILED TESTING REQUIREMENTS ARE GIVEN IN INDIVIDUAL SPECIFICATION SECTIONS. THE OWNER SHALL RETAIN THE RIGHT TO MAKE ANY ADDITIONAL TESTS THE ARCHITECT DEEMS NECESSARY OR APPROPRIATE. THE SCOPE OF TESTS REQUIRED SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

DIVISION 3 - CONCRETE
03 30 00 CAST-IN-PLACE CONCRETE

REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS.

ALL CONCRETE WORK SHALL COMPLY WITH ACI 318-14 AND WITH THE LATEST RECOMMENDATIONS AND SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI), INCLUDING BUT NOT LIMITED TO :

ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
ACI 302 RECOMMENDED PRACTICE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION
ACI 304 PLACING CONCRETE PUMPING METHODS
ACI 305 RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING
ACI 306 RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING
ACI 308 RECOMMENDED PRACTICE FOR CURING CONCRETE
ACI 309 RECOMMENDED PRACTICE FOR CONSOLIDATION
ACI 315 MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES
ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
ACI 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK

REINFORCEMENT SHALL BE SECURELY TIED IN ITS PLACE BEFORE AND DURING POURING OPERATIONS USING APPROVED CHAIRS AND SPACERS AS REQUIRED. NO BARS SHALL BE CUT OR OMITTED IN THE FIELD WITHOUT THE APPROVAL OF THE ENGINEER. USE PLASTIC TIPPED ACCESSORIES IN CONCRETE EXPOSED TO WEATHER, WATER OR VIEW.

EXCAVATIONS SHALL BE DONE IN SUCH A MANNER AS TO DRAIN AWAY ALL SURFACE AND GROUND WATER. EXCAVATION GROUND WATER. EXCAVATION EQUIPMENT AND PROCEDURES SHALL BE USED SUCH THAT FIRM BEARING CONDITIONS ARE MAINTAINED.

THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY PROTECTING ALL EXCAVATION SLOPES.

PRIOR TO PLACING GRANULAR FILL, ALL ORGANIC MATERIAL, TOPSOIL, DEBRIS AND ANY OTHER DELETERIOUS MATERIAL SHALL BE REMOVED.

GRAVEL BORROW SHALL CONFORM TO CONNECTICUT HIGHWAY SPECIFICATION SECTION M, PART 1.03, TYPE C.

THE MATERIAL SHALL BE PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DIRECTED BY ASTM D1557, MODIFIED PROCTOR.

ALL FOUNDATION WALLS, NEW AND EXISTING SHALL BE ADEQUATELY BRACED TO WITHSTAND EARTH AND CONSTRUCTION LOAD PRESSURES WALLS MUST BE AT LEAST SEVEN DAYS OLD BEFORE BACKFILLING.

SELECT BACKFILL OUTSIDE OF FOUNDATION WALL SHALL BE LARGER BE AN APPROVED MATERIAL FREE OF BOULDERS LARGER THAN 6", ORGANIC MATERIAL, TOPSOIL AND DEBRIS. PLACE IN MAXIMUM 8" LIFTS AND COMPACT TO 90% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DEFINED BY ASTM D1557.

CONTRACTOR SHALL DESIGN, FURNISH AND INSTALL ALL TEMPORARY SHEETING, SHORING AND BRACING NECESSARY TO SAFELY COMPLETE THE CONSTRUCTION.

REINFORCEMENT

ALL CONCRETE SHALL BE PROPORTIONED MIXED AND PLACED CONFORMING TO CURRENT AMERICAN CONCRETE INSTITUTE (ACI) 301, 304, AND 308 STANDARDS.

REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. ALL DETAILS STANDARD ACI 315R.

ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. PLACE IN ACCORDANCE WITH WELDED STEEL WIRE INSTITUTE.

ALL LAP SPLICES FOR CONTINUOUS REINFORCING SHALL BE IN ACCORDANCE WITH ACI 318-99.

ALL CONCRETE SLABS ON GRADE SHALL BE PLACED ON 6 MIL VAPOR BARRIER AND 8" DENSE GRADE STRUCTURAL FILL, COORDINATE WITH GEOTECHNICALREPORT.

THE CONCRETE CONTRACTOR SHALL INSTALL (OR GIVE OTHER TRADES AMPLE OPPORTUNITY TO INSTALL) ALL ANCHORS, BOLTS, PLATE NAILERS, SLOTS CHASES, PIT SLEEVES ETC. AS REQUIRED BY OTHER TRADES THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE SETTING SCREEDS AND FORMS. FORM RELEASE IS TO BE AN APPROVED NON-TOXIC LIQUID.

FOUNDATION WALLS SHALL BE POURED IN ALTERNATE LENGTHS, EACH POUR NOT TO EXCEED APPROXIMATELY 30 FEET IN LENGTH, CONSTRUCTION JOINTS SHALL BE PLACED AT POINTS OF MINIMUM SHEAR. NOW HORIZONTAL JOINTS SHALL BE PLACED.

CONTRACTOR SHALL REPAIR AT HIS EXPENSE, ALL CONCRETE SLAB DEFECTS SUCH AS CURLING OR CRACKING, GRINDING, PATCHING, ETC. REPAIR PROCEDURES SHALL BE APPROVED BY THE ENGINEER PRIOR TO STARTING WORK.

CONCRETE TEMPERATURE DURING THE FIRST SEVEN DAYS SHALL BE MAINTAINED BETWEEN 50 DEGREES F AND 90 DEGREES FAHRENHEIT. RAPID DRYING MUST BE PREVENTED.

CURING:

A. HORIZONTAL SURFACES SHALL BE KEPT CONTINUOUSLY MOIST FOR A MINIMUM OF SEVEN DAYS.
B. VERTICAL SURFACES SHALL RECEIVE 2 COATS (ONE AT A TIME OF STRIPPING AND ANOTHER 3 DAYS LATER) OF AN APPROVED NON-TOXIC CURING.

03 35 00 CONCRETE FINISHING

BASIS OF DESIGN: CURECRETE DISTRIBUTION INC. 1203 SPRING CREEK PLACE, SPRINGVILLE, UT; TELE: (800) 998-5664; EMAIL: INFO@ASHFORDFORMULA.COM; WWW.ASHFORDFORMULA.COM.

CURE-DENSIFIER-HARDENER: ASHFORD FORMULA IS A TRANSPARENT, CHEMICALLY REACTIVE, WATER-BASED TREATMENT THAT PENETRATES INTO THE CONCRETE SURFACE, FORMING A CHEMICAL REACTION OF CRYSTALLINE GROWTH THAT FILLS IN THE NATURAL PORES AND VOIDS IN THE CONCRETE SURFACE.

1. ABRASION RESISTANCE TO REVOLVING DISKS: AT LEAST A 32.5% IMPROVEMENT OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C779.
2. SURFACE ADHESION: AT LEAST A 22% INCREASE IN ADHESION FOR EPOXY WHEN TESTED IN ACCORDANCE WITH ASTM D3359.
3. HARDENING: AS FOLLOWS WHEN TESTED IN ACCORDANCE WITH ASTM C39:
   a. AFTER 7 DAYS: AN INCREASE OF AT LEAST 40% OVER UNTREATED SAMPLES.
   b. AFTER 28 DAYS: AN INCREASE OF AT LEAST 38% OVER UNTREATED SAMPLES.
4. REBOUND NUMBER: AN INCREASE OF AT LEAST 13.3% OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C805.
5. ELECTRICAL RESISTANCE: TO ASTM F150.
6. LIGHT EXPOSURE DEGRADATION: NO EVIDENCE OF ADVERSE EFFECTS ON TREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM G23.
7. TEST METHOD FOR MEASURING WET SCOF OF COMMON HARD-SURFACE FLOORS IN ACCORDANCE WITH ANSI B101.1.
8. TEST METHOD FOR MEASURING WET DCOF OF COMMON HARD-SURFACE FLOORS IN ACCORDANCE WITH ANSI B101.3.
9. CERTIFIED AS HIGH TRACTION BY THE NATIONAL FLOOR SAFETY INSTITUTE (NFSI), PHASE 2 TESTING.
10. CERTIFIED COMPLIANT ACCORDING TO CALIFORNIA DEPARTMENT OF PUBLIC HEALTH CDPH/EHLB/STANDARD METHOD VERSION 1.2, 2017.

DIVISION 04-MASONRY -

04 20 00 UNIT MASONRY:

CONCRETE MASONRY UNITS:

A. PROVIDE HOLLOW LOAD BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90, TYPE I, MOISTURE CONTROLLED UNITS. PROVIDE SOLID LOAD BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. PROVIDE CONCRETE MASONRY HAVING THE FOLLOWING CHARACTERISTICS:

1. PROVIDE UNITS WITH NOMINAL 8" HIGH X 16' LONG FACE DIMENSIONS (7-5/8" X 15-5/8" ACTUAL), UNLESS INDICATED OTHERWISE. PROVIDE THICKNESS INDICATED, OR IF NOT INDICATED, AS NECESSARY TO CREATE A PROPERLY SUPPORTED, STRUCTURALLY SAFE WALLS BUILT WITHIN THE HEIGHT TO WIDTH LIMITATIONS REQUIRED BY CODES AND RECOMMENDED BY THE NATIONAL CONCRETE MASONRY ASSOCIATION.
2. PROVIDE SPECIAL SHAPED UNITS FOR LINTELS, BOND BEAMS, CORNERS, JAMBS, HEADERS, CONTROL JOINTS AND OTHER CONDITIONS. NEVER EXPOSE CORES. PROVIDE BULLNOSE UNITS FULL WALL HEIGHT AT ALL VERTICAL AND HORIZONTAL CORNERS, AND DOOR JAMBS, WHERE CMU IS EXPOSED.
3. PROVIDE GRADE N FOR ALL WORK.
4. PROVIDE NORMAL WEIGHT UNITS, EXCEPT PROVIDE UNITS WITH WEIGHT AS STANDARD WITH MANUFACTURER FOR ALL UNITS IN FIRE-RATED ASSEMBLIES.

MORTAR MATERIALS:

A. PORTLAND CEMENT SHALL COMPLY WITH ASTM C150, TYPE II, FREE FROM WATER SOLUBLE SALTS AND ALKALIES. PROVIDE CEMENT THAT EXHIBITS NO EFFLORESCENCE WHEN TESTED IN ACCORDANCE WITH REQUIREMENTS OF ASTM C 67, MODIFIED TO USE 2" X 7" X 2-1/2" MORTAR SAMPLES CONSISTING OF A MIXTURE OF 1 PART BY WEIGHT OF CEMENT UNDER TEST AND 2 PARTS OF SAND MIXED TO A FLOW OF 100% WITH WATER. CONTRACTOR MAY PROVIDE AS AN OPTION BLUE CIRCLE EAGLEBOND PRE-PACKAGED MORTAR CEMENT CONSISTING OF A CONTROLLED BLEND OF PORTLAND CEMENT AND TYPE S HYDRATED LIME OR ARCHITECT APPROVED EQUAL.
B. LIME SHALL BE HYDRATED, TYPE S, COMPLYING WITH ASTM C 207
C. GROUT AGGREGATE SHALL COMPLY WITH ASTM C 404
D. MORTAR AGGREGATE SHALL BE WELL GRADED, COMPLYING WITH ASTM C 144
E. WATER SHALL BE CLEAN AND POTABLE.

REINFORCING, TIES AND ANCHORS:

A. HORIZONTAL JOINT REINFORCING AND MASONRY TO MASONRY TIES SHALL BE TRUSS TYPE, WELDED WIRE UNITS FABRICATED FROM 9 GAUGE ASTM A 82 COLD DRAWN GALVANIZED STEEL WIRE WITH DEFORMED SIDE WIRES AND SMOOTH CROSS WIRES SPACED NOT MORE THAN 16" O.C. EACH WAY. PROVIDE PREFABRICATED CORNERS AND TEES. PROVIDE TYPE OF REINFORCING AS SPECIFIED IN SECTION 04230 FOR WIDTH OF WALL.
B. PROVIDE MINIMUM 22 GAUGE, HOT DIP GALVANIZED STEEL DOVETAIL SLOTS NO. 305, AND HOT DIP GALVANIZED FLEXIBLE DOVETAIL BRICK TIE NO. 315, AS MANUFACTURED BY HOHMANN & BERNARD, OR ARCHITECT APPROVED EQUAL BY DUR-O-WALL OR HECKMANN BUILDING PRODUCTS, INC. AT ALL LOCATIONS OF MASONRY VENEER OVER CONCRETE. PROVIDE TEMPORARY, REMOVABLE FILLER TO KEEP DOVETAIL SLOTS CLEAR AND FREE FROM CONCRETE, MORTAR, OR GROUT. FINISH SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A 153.
C. PROVIDE HOT DIP GALVANIZED STEEL MASONRY ANCHORS AT STRUCTURAL STEEL AS FOLLOWS, OR AS OTHERWISE REQUIRED TO PROVIDE ANCHORAGE IN ACCORDANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
   1. MASONRY PERPENDICULAR TO COLUMN FLANGE: 12 GAUGE, 1-1/4" WIDE, NO. 353 AS MANUFACTURED BY HOHMANN & BERNARD, OR ARCHITECT APPROVED EQUAL BY DUR-O-WALL OR HECKMANN BUILDING PRODUCTS, INC.
   2. MASONRY PARALLEL TO COLUMN FLANGE: 12 GAUGE, 1-1/2" WIDE, NO. 354 AS MANUFACTURED BY HOHMANN & BERNARD, OR ARCHITECT APPROVED EQUAL BY DUR-O-WALL OR HECKMANN BUILDING PRODUCTS, INC.
D. PROVIDE MISCELLANEOUS HOT-DIP GALVANIZED STEEL STRAPS, BARS, RODS AND SIMILAR ITEMS, FABRICATED FROM NOT LESS THAN 16 GAUGE SHEET STEEL OR 3/16" DIAMETER STEEL WIRE, AS REQUIRED TO PROVIDE A COMPLETE INSTALLATION IN ACCORDANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.

04 43 13 STONE MASONRY VENEER

USE STONEYARD BOSTON BLEND MOSAIC AND BOSTON BLEND ROUND STONE MASONRY VENEER AT EXTERIOR COLUMN BASES.

DIVISION 05-METAL

05 12 00 STRUCTURAL STEEL FRAMING:

REFER TO STRUCTURAL DRAWINGS FOR REQUIREMENTS.

05 51 00 METAL STAIR RAILINGS:

STAIR RAILINGS

1. DESIGN CRITERIA
   A. FABRICATOR SHALL DESIGN PIPE RAILINGS IN ACCORDANCE WITH NAAMM PIPE RAILING MANUAL FOR 900 N. HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A LOAD OF 50 POUNDS PER LINEAR FOOT (0.73 KN/M) APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE.
   2. STANDARD RAIL SYSTEM: WELDED STEEL TUBE RAILING SYSTEM COMPLYING WITH THE FOLLOWING REQUIREMENTS:
   A. RAILS: 1 1/4" O.D. SCHEDULE 40 (1.666 O.D. X .140 WALL) A-500 STRUCTURAL STEEL HANDRAIL PIPE MINIMUM WITH A MINIMUM EXTENSION PER CODE AT TOP AND BOTTOM RISERS. TERMINATE RAIL ENDS WITH RADIUS RETURNS, NEWEL POSTS OR SAFETY TERMINATIONS APPROVED BY LOCAL CODE. PROVIDE NOT LESS THAN 1 1/2 INCHES (38.1 MM) CLEARANCE BETWEEN RAIL AND WALL.

05 51 33 ALUMINUM SHIPS LADDER

MANUFACTURER: PRECISION LADDERS, LLC
MORRISTOWN, TN 37816-2279
423-586-2265
WWW.PRECISIONLADDERS.COM

DESCRIPTION: ALUMINUM SHIPS LADDER, MODEL SL-**. (**'=TOTAL VERTICAL HEIGHT OF LADDER IN INCHES) DESIGNED TO BE PERMANENTLY ATTACHED TOP AND BOTTOM. PITCHES SHALL BE FROM 60°-75°, AS MEASURED FROM THE HORIZONTAL.

A. LADDER
   1. STRINGERS (SIDERAIL): ALUMINUM CHANNEL 5" X 2" X 3/16"(6005-T5).
   2. TREADS: DEEPLY SERRATED ALUMINUM CHANNEL 5 3/16" X 2"2"(6005-T5) STD.
   3. MOUNTING BRACKET: FLOOR 2" X 3" X 1/4" ALUMINUM ANGLE, TOP 5" X 2" X 1/4" ALUMINUM ANGLE.
B. HANDRAIL
   1. 1 1/4" SCHEDULE 40 ALUMINUM PIPE (6000 SERIES).
   2. INTERNAL ALUMINUM FITTINGS.
C. OPTIONS
   1. TREAD WIDTH AS REQUIRED TO 4'0" (OVER 4'0" CONSULT FACTORY).
   2. FINISH: POWDER COAT FINISH COLOR TO BE DETERMINED.
D. FABRICATION
   1. LADDER SHALL BE COMPLETELY FABRICATED READY FOR INSTALLATION BEFORE SHIPMENT TO THE SITE.

DIVISION 06-WOOD, PLASTICS & COMPOSITES
06 10 0 ROUGH CARPENTRY:

GENERAL:

A. FRAMING WITH DIMENSION LUMBER, INCLUDING MISCELLANEOUS ROUGH CARPENTRY WORK GENERALLY INTENDED FOR SUPPORT OF OTHER WORK, WOOD FURRING, NAILERS AND BLOCKING.

DIMENSIONAL LUMBER:

A. FOR LIGHT FRAMING PROVIDE 'STUD," 'NO. 2," OR 'STANDARD' GRADE LUMBER FOR STUD FRAMING (2 TO 4 INCHES THICK, 2 TO 4 INCHES WIDE, 10 FEET AND SHORTER) AND 'STUD' OR 'NO. 2' GRADE FOR OTHER LIGHT FRAMING (2 TO 4 INCHES THICK, 2 TO 6 INCHES WIDE). PROVIDE KILN DRIED SOUTHERN YELLOW PINE OR HEM-FIR.
B. FOR STRUCTURAL FRAMING (2 TO 4 INCHES THICK, 5 INCHES AND WIDER), PROVIDE THE NO. 1 GRADE, KILN DRIED AND SPECIES AS NOTED ON DRAWINGS.
C. COMPLY WITH APPLICABLE REQUIREMENTS OF PS 20 "2 AMERICAN SOFTWOOD LUMBER STANDARDS", AND HAVING 19 PERCENT MAXIMUM MOISTURE CONTENT.
D. JOISTS, RAFTERS, STUDS, PLATES, SILLS: SHALL HAVE AN ALLOWABLE EXTREME FIBER STRESS IN BENDING FOR SINGLE MEMBER USE OF 875 PSI AND A MODULUS OF ELASTICITY OF 1,400,000 PSI.
E. HEAVY BEAMS AND HEADERS: MULTIPLE MEMBERS FACE NAILED TOGETHER WITH STAGGERED SPLICES.
   1. ALLOWABLE STRESS AND MODULUS OF ELASTICITY SAME AS ITEM B ABOVE.
   2. "LV.L." LAMINATED VENEER LUMBER - E - 2,000,000 PSI, PRODUCTS OF BOISE CASRMYE CORPORATION OR EQUIVALENT
F. PROVIDE ABOVE GROUND LUMBER AND PLYWOOD IN CONTACT WITH MASONRY, CONCRETE AND DAMPPROOFING THAT IS PRESSURE TREATED TO A LEVEL OF 0.25 POUNDS PER CUBIC FOOT OF WOOD PRODUCT, WITH WATERBORNE CCA PRESERVATIVES IN ACCORDANCE WITH REQUIREMENTS OF AWPA STANDARD U1 AND T1. PRESSURE TREATED LUMBER SHALL BE DRIED TO A MAXIMUM MOISTURE CONTENT OF 15 PERCENT AFTER TREATMENT.
G. PROVIDE UL LABELED FIRE-RETARDANT TREATED WOOD IN LOCATIONS AS INDICATED OR AS REQUIRED. PROVIDE FIRE-RETARDANT TREATMENT SUITABLE FOR INTERIOR EXPOSURES AND COMPLYING WITH AWPA C20. KILN DRY LUMBER AFTER TREATMENT.

MISCELLANEOUS LUMBER

A. GENERAL: PROVIDE LUMBER FOR SUPPORT OR ATTACHMENT OF OTHER CONSTRUCTION INCLUDING BUCKS, NAILERS, BLOCKING, FURRING, GROUNDS, STRIPPING, AND SIMILAR MEMBERS. FABRICATE MISCELLANEOUS LUMBER FROM DIMENSION LUMBER OF SIZES INDICATED AND INTO SHAPES SHOWN.
B. MOISTURE CONTENT: 19 PERCENT MAXIMUM FOR LUMBER ITEMS NOT SPECIFIED TO RECEIVE WOOD PRESERVATIVE TREATMENT.
C. GRADE: 'STANDARD' GRADE LIGHT-FRAMING-SIZE LUMBER OF ANY SPECIES OR BOARD-SIZE LUMBER AS REQUIRED. 'NO. 3 COMMON' OR 'STANDARD' GRADE BOARDS PER WCLIB OR WWPA RULES OR 'NO. 2 BOARDS' PER SPIB RULES.

CONSTRUCTION PANELS

A. CONSTRUCTION PANEL STANDARDS: COMPLY WITH PS 1 'U.S. PRODUCT STANDARD FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD' FOR PLYWOOD CONSTRUCTION PANELS AND, FOR PRODUCTS NOT MANUFACTURED UNDER PS 1 PROVISIONS, WITH APA PRP-108.
B. TRADEMARK: FURNISH CONSTRUCTION PANELS THAT ARE EACH FACTORY-MARKED WITH APA TRADEMARK EVIDENCING COMPLIANCE WITH GRADE REQUIREMENTS.
C. MISCELLANEOUS CONCEALED PLYWOOD: C-D PLUGGED EXTERIOR, THICKNESS AS INDICATED BUT NOT LESS THAN 1/2 INCH NOMINAL AT WALLS AND 5/8 INCH NOMINAL AT ROOFS. THICKNESS AT EXISTING CONSTRUCTION SHALL BE AS REQUIRED TO PROVIDE FOR A SMOOTH TRANSITION BETWEEN NEW AND EXISTING WORK.
D. MISCELLANEOUS EXPOSED PLYWOOD: A-D INTERIOR, THICKNESS AS INDICATED BUT NOT LESS THAN 1/2 INCH NOMINAL. THICKNESS AT EXISTING CONSTRUCTION SHALL BE AS REQUIRED TO PROVIDE FOR A SMOOTH TRANSITION BETWEEN NEW AND EXISTING WORK.
E. PLYWOOD BACKING PANELS: FOR MOUNTING ELECTRICAL OR TELEPHONE EQUIPMENT, PROVIDE FIRE-RETARDANT-TREATED PLYWOOD PANELS WITH GRADE, C-D PLUGGED EXPOSURE 1, IN THICKNESS INDICATED OR, IF NOT OTHERWISE INDICATED, NOT LESS THAN ¾ INCH THICK.
F. SUB-FLOORING:
   1. ORIENTED-STRAND-BOARD COMBINATION SUBFLOOR-UNDERLAYMENT: EXPOSURE 1 SINGLE-FLOOR PANELS, AS MANUFACTURED BY HUBER ENGINEERED WOODS LLC
      a. ADVANTECH FLOORING OR COMPARABLE PRODUCT AS APPROVED BY THE ARCHITECT:
   2. SPAN RATING AND PERFORMANCE CATEGORY: NOT LESS THAN 32 OC, 7/8 PERFORMANCE CATEGORY.
   3. EDGE DETAIL: TONGUE AND GROOVE.
   4. SURFACE FINISH: FULLY SANDED FACE.
   5. PERFORMANCE STANDARD: DOC PS2-10 AND ICC-ES ESR:1785.
   6. PROVIDE FASTENING GUIDE ON TOP PANEL SURFACE WITH PRE-SPACED FASTENING SYMBOLS FOR 16-INCHES (406 MM), 19.2-INCHES (488 MM) AND 24-INCHES (610 MM) ON CENTER SPACINGS.

FASTENERS

A. GENERAL: PROVIDE FASTENERS OF SIZE AND TYPE INDICATED THAT COMPLY WITH REQUIREMENTS SPECIFIED IN THIS ARTICLE FOR MATERIAL AND MANUFACTURE.
   1. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH A HOT-DIP ZINC COATING PER ASTM A 153 OR OF AISI TYPE 304 STAINLESS STEEL.
B. PROVIDE SIZE, TYPE, AND MATERIAL APPROPRIATE FOR INTENDED USE, AS FOLLOWS:
   1. SELF-TAPPING SCREWS, SURFACE HARDENED WITH A FLUOROPOLYMER PAINT FINISH EQUAL TO BUILDEX OR STALGARD. THREADS SHALL BE SELF-LOCKING TO PREVENT BACKING OUT UNDER WIND LOAD, VIBRATION OR OTHER STRESS. A 5/8 IN. PENETRATION OF THE SCREW THROUGH THE METAL DECK IS REQUIRED.
   2. BOLTS, AND NUTS SHALL CONFORM TO FED. SPEC. FF-B-571A AND FF-B-575, AS APPLICABLE.
   3. EXPANSION SHIELDS SHALL CONFORM TO FED. SPEC. FF-S-325. SHIELDS SHALL BE ACCURATELY RECESSED AND, UNLESS OTHERWISE INDICATED, SHALL BE NOT LESS THAN 2-1/2 IN. INTO CONCRETE OR MASONRY. DEVICES OF GROUPS IV, V, VI AND VII SHALL NOT BE USED IN SIZES GREATER THAN 3/8 IN. UNLESS OTHERWISE INDICATED.
   4. LAG SCREWS OR LAG BOLTS SHALL CONFORM TO FED. SPEC. FF -B-561B.
   5. TOGGLE BOLTS SHALL CONFORM TO FED. SPEC. FF-B-588B.
   6. POWER DRIVEN FASTENERS: NATIONAL EVALUATION REPORT NER-272.
   7. WOOD SCREWS SHALL CONFORM TO FED. SPEC. FF-S-111B.
   8. NAILS, WIRE, BRADS, AND STAPLES SHALL CONFORM TO FED. SPEC. FF-N-105A. NAILS FOR PLYWOOD SECURED TO WOOD SHALL BE RING OR ANNULAR TYPE.
   9. PROVIDE HOT-DIPPED GALVANIZED STEEL FRAMING ANCHORS OF STRUCTURAL CAPACITY, TYPE, AND SIZE AS INDICATED, AND AS REQUIRED FOR THE VARIOUS COMPONENTS BEING CONNECTED.
   10. ADHESIVES FOR FIELD GLUING SUB-FLOOR PANELS TO FRAMING SHALL BE POLYURETHANE-BASED FORMULATION COMPLYING WITH APA AFG-01 OR ASTM D 3498 THAT IS APPROVED FOR USE WITH TYPE OF CONSTRUCTION PANEL INDICATED BY MANUFACTURERS OF BOTH ADHESIVES AND PANELS. ADHESIVES SHALL HAVE A VOC CONTENT OF 50 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
C. PROVIDE FASTENERS WITH G-90 HOT DIP GALVANIZED COATING, OR FLUOROPLOYMER COATING, AT AREAS OF HIGH HUMIDITY, INCLUDING ROOF BLOCKING AND SHEATHING. FASTENERS FOR USE WITH NON-CCA PRESSURE TREATED LUMBER, INCLUDING ACQ TYPES B AND D, CBA-A, AND CA-B, SHALL BE STAINLESS STEEL.

PRESERVATIVE WOOD TREATMENT BY PRESSURE PROCESS

A. GENERAL: WHERE LUMBER OR PLYWOOD IS INDICATED AS PRESERVATIVE-TREATED WOOD OR IS SPECIFIED HEREIN TO BE TREATED, COMPLY WITH APPLICABLE REQUIREMENTS OF AWPA STANDARDS C2 (LUMBER) AND C9 PLYWOOD). MARK EACH TREATED ITEM WITH THE AWPB OR SPIB QUALITY MARK REQUIREMENTS.
B. PRESSURE-TREAT ABOVE-GROUND ITEMS WITH WATER-BORNE PRESERVATIVES TO A MINIMUM RETENTION OF 0.25 PCF. FOR INTERIOR USES, AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO A MAXIMUM MOISTURE CONTENT, RESPECTIVELY, OF 19 PERCENT AND 15 PERCENT. TREAT INDICATED ITEMS AND THE FOLLOWING:
   11. WOOD NAILERS, CURBS, BASES, BLOCKING, STRIPPING, AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING, FLASHING, AND SHOWER AREA WATERPROOFING.
   12. WOOD SILLS, SLEEPERS, BLOCKING, FURRING, STRIPPING, AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE.
   13. FRAMING IN CONNECTION WITH EXTERIOR WOOD DECK AND TRELLIS.
C. PRESERVATIVE TREATMENT FOR FIELD CUT SURFACES OF PRESSURE TREATED BLOCKING AND SHEATHING SHALL CONTAIN 2% COPPER NAPHTHENATE COMPLYING WITH AWPA STANDARD M4. MATERIAL SHALL BE GREEN NO. 10, AS MANUFACTURED BY CUPRINOL, OR ARCHITECT APPROVED EQUAL BY WM BARR OR BEHR.

FIRE-RETARDANT TREATMENT BY PRESSURE PROCESS

C. GENERAL: UNLESS OTHERWISE NOTED, PROVIDE FIRE-RETARDANT-TREATED WOOD FOR USE ON THIS PROJECT. PRESSURE IMPREGNATE LUMBER AND PLYWOOD WITH FIRE-RETARDANT CHEMICALS TO COMPLY WITH AWPA C20 AND C27, RESPECTIVELY, FOR TREATMENT TYPE INDICATED; IDENTIFY 'FIRE-RETARDANT-TREATED WOOD' WITH APPROPRIATE CLASSIFICATION MARKING OF UNDERWRITERS LABORATORIES, INC., U.S. TESTING, TIMBER PRODUCTS INSPECTION, INC. OR OTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
D. INTERIOR TYPE A: "DRICON," HICKSON CORPORATION; "PYRO-GUARD," HOOVER TREATED WOOD PRODUCTS.
E. EXTERIOR TYPE: "EXTERIOR FIRE-X," AMERICAN WOOD TREATERS, INC.; "EXTERIOR FIRE-X," HOOVER TREATED WOOD PRODUCTS.

06 40 0 INTERIOR ARCHITECTURAL MILLWORK:

COMPONENTS

A. LUMBER: IN ACCORDANCE WITH THE NAAWS GRADE SPECIFIED FOR THE PRODUCT BEING FABRICATED. MOISTURE CONTENT: 6% TO 12% FOR BOARDS UP TO 2 INCH (50.8 MM) NOMINAL THICKNESS, AND SHALL NOT EXCEED 19% FOR THICKER PIECES.
B. VENEERS: IN ACCORDANCE WITH NAAWS REQUIREMENTS FOR ITS USE AND THE GRADES.
C. VENEER CORE PLYWOOD: A NON-TELEGRAPHING HARDWOOD MANUFACTURED WITH EXTERIOR GLUE.
D. PLASTIC LAMINATE: MEETING THE REQUIREMENTS OF NAAWS FOR ITS USE AS MANUFACTURED BY WILSONART OR FORMICA.
E. CABINET LINER: NEMA LD-3 GRADE CLS.
F. EDGEBAND
   1. HIGH-PRESSURE DECORATIVE LAMINATE.
G. ADHESIVES: TYPE I
H. HARDWARE: TO BE DETERMINED
   1. FINISH: TO BE DETERMINED
   2. PULLS: TO BE DETERMINED
   3. DRAWER GUIDES: FULL EXTENSION, SOFT CLOSE, MEETING THE REQUIREMENTS OF NAAWS FOR THE TYPE AND SIZE OF DRAWER.
      a. PROVIDE KNAPE & VOGT SOFT CLOSE DRAWER SLIDES 8455FM FOR DRAWERS UP TO 24" WIDTH.
      b. PROVIDE KNAPE & VOGT SOFT CLOSE DRAWER SLIDES 8459FM FOR DRAWERS OVER 24" WIDTH.
   4. PROVIDE KNAPE & VOGT GLASS DOOR ROLL-EZY BALL BEARING TRACK SYSTEM #P992 ZC.
   5. CABINET DRAWER LOCKS TO BE HAFELE, KEYED ALIKE, 7/8" CYLINDER NATIONAL LOCK - HIGH SECURITY, BRUSHED CHROME, ITEM NO. 232.14.301 .
   6. FILE DRAWERS: FULL EXTENSION. MINIMUM 100-POUND CAPACITY EXCEPT 150-POUND CAPACITY FOR LATERAL FILES.
   7. HINGES: SUGATSUNE HEAVY-DUTY CONCEALED CUP EUROPEAN STYLE GRADE II HINGES MINIMUM 120° OPENING, SELF-CLOSING STAINLESS STEEL FINISH.
   8. SHELF SUPPORTS: RECESSED METAL SHELF STANDARD WITH COMPATIBLE SUPPORTS.
I. SOLID SURFACE MATERIAL:
   1. SS-1, LOCKER ROOM SHOWER WALLS AND CEILING: PROVIDE CORIAN, OR EQUAL BY WILSONART, SOLID SURFACE WALL AND CEILING PANELS IN ½" THICKNESSES. COLOR TO BE 'RAIN CLOUD'.
   2. SS-2, TOILET ROOM COUNTERTOP AND SINK: PROVIDE CORIAN, O

ACCEPTABLE FASTENERS:

TEL: 1/8-INCH (3-MM) STAINLESS STEEL COLOR-MATCHED POP RIVETS.

SCREWS: #10 X 2-INCH (51-MM) STAINLESS STEEL SCREWS.

TAPE: 6-INCH (152-MM) WIDE EPDM/BUTYL PRESSURE-SENSITIVE TAPE.

DIVISION 08-DOORS & WINDOWS

08 11 00 HOLLOW METAL DOORS AND FRAMES:

PROVIDE SERIES DU STEEL FRAMES @ DRYWALL AND SQ FRAMES @ MASONRY, AS MANUFACTURED BY CECO DOOR PRODUCTS, OR ARCHITECT APPROVED EQUAL BY STEELCRAFT OR PHILIPS, FOR DOORS, TRANSOMS, SIDELIGHTS, BORROWED LIGHTS AND OTHER OPENINGS AS SCHEDULED. USE CONCEALED FASTENINGS WHEREVER POSSIBLE.

FABRICATE ALL INTERIOR DOOR FRAMES FROM 16 GAUGE STEEL SHEET IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 568. INTERIOR DOOR FRAMES AT AREAS SUBJECT TO CORROSIVE CONDITIONS, INCLUDING BUT NOT LIMITED TO LOCKER ROOMS, TOILETS, AND KITCHEN, SHALL BE HOT DIPPED ZINC-IRON ALLOY COATED STEEL IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 653 AND A 924 FOR A60 COATINGS. FRAME PROFILES SHALL BE AS CALLED FOR ON THE DRAWINGS.

FABRICATE EXTERIOR DOOR FRAMES FROM 14 GAUGE HOT DIPPED ZINC COATED STEEL, IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 653 AND A 924 FOR A60 COATINGS. FRAME PROFILES SHALL BE AS CALLED FOR ON THE DRAWINGS. PROVIDE STEEL FRAMES AND COMPONENTS FABRICATED FROM THE FOLLOWING SHEET STEEL GAUGES. ALL HINGE, STRIKE AND CLOSER REINFORCEMENTS SHALL BE PROJECTION WELDED TO THE DOOR FRAMES.

PLASTER GUARDS AND MORTAR BOXES: 26 GAUGE.
INTERIOR FRAMES 4'- 0" WIDE AND SMALLER: 16 GAUGE STEEL
INTERIOR FRAMES OVER 4'- 0" WIDE: 14 GAUGE STEEL
EXTERIOR FRAMES: 14 GAUGE, GALVANIZED
FLOOR ANCHORS: 14 GAUGE
STRIKE REINFORCEMENT: 14 GAUGE STEEL
CLOSER REINFORCEMENT: 12 GAUGE STEEL
HEAD CHANNEL REINFORCEMENT FOR FRAMES OVER 4' WIDE: 12 GAUGE STEEL
HINGE REINFORCEMENT: 10 GAUGE STEEL

PROVIDE PROFILES AND SHAPES AS SHOWN ON THE DRAWINGS FREE OF WARP, BUCKLES, FRACTURES OR OTHER DEFECTS. STOPS SHALL BE FORMED INTEGRAL WITH FRAMES.

PROVIDE ANCHORS AT EACH JAMB FOR EACH 2 FT. 6 IN. OF HEIGHT OR FRACTION THEREOF. AT MASONRY WALL LOCATIONS PROVIDE T TYPE OR WIRE TYPE. PROVIDE Z TYPE FOR METAL STUDS. PROVIDE FLOOR ANCHORS AT BOTH SIDES OF ALL JAMBS. PROVIDE UL APPROVED ANCHORS FOR FIRE-RATED ASSEMBLIES.

PREPARE SINGLE DOOR FRAMES TO RECEIVE 3 RESILIENT SILENCERS ON STRIKE JAMB. PREPARE DOUBLE DOOR FRAMES TO RECEIVE 2 RESILIENT SILENCERS AT THE CENTER OF THE HEAD JAMB.

STOPS SHALL BE 5/8" MINIMUM DEPTH, CUT-OFF AND CAPPED AT 90° AT 4 INCHES ABOVE FINISHED FLOOR AT TOILETS AND WHERE OTHERWISE INDICATED. FILL AND GRIND SMOOTH, JAMB JOINTS BELOW CUT-OFF STOPS, MAKING THEM IMPERCEPTIBLE.

HOLLOW METAL DOORS

EXTERIOR DOORS SHALL BE L SERIES, AS MANUFACTURED BY STEELCRAFT, OR ARCHITECT APPROVED EQUAL BY CECO, REPUBLIC, DEANSTEEL, CURRIES, OR SECURITY METAL PRODUCTS CORP FABRICATED IN ACCORDANCE WITH REQUIREMENTS OF SDI CLASSIFICATION III, LEVEL A, EXTRA HEAVY DUTY, MODEL 2, WITH MINIMUM 16 GAUGE FACE SHEETS, SEAMLESS, HOT DIPPED ZINC COATED STEEL COMPLYING WITH REQUIREMENTS OF ASTM A 653 AND A 924 FOR A60 COATINGS.

1. VERTICAL EDGES SHALL JOIN THE FACE SHEETS BY A CONTINUOUS WELD EXTENDING THE FULL HEIGHT OF THE DOOR. WELDS ARE TO BE GROUND, FILLED, AND DRESSED SMOOTH TO MAKE THEM INVISIBLE AND PROVIDE A SMOOTH FLUSH SURFACE.
2. HINGE REINFORCEMENTS SHALL BE NO LESS THAN 10 GAUGE PLATE 1-1/4" X FULL HEIGHT OF THE DOOR. THE REINFORCEMENT WILL BE DRILLED AND TAPPED IN THE FIELD FOR CONTINUOUS TYPE HINGES.
3. TOPS AND BOTTOMS OF ALL DOORS SHALL BE REINFORCED WITH A CONTINUOUS STEEL CHANNEL NOT LESS THAN 16 GAUGE, EXTENDING THE FULL WIDTH OF THE DOOR AND WELDED TO THE FACE SHEET. DOORS WITH AN INVERTED TOP CHANNEL SHALL HAVE A STEEL CLOSURE CHANNEL WELDED IN PLACE SO THE WEB OF THE CHANNEL IS FLUSH WITH THE FACE SHEETS. PLASTIC FILLERS ARE NOT ACCEPTABLE.
4. DOOR CORE SHALL BE POLYSTYRENE, AS REQUIRED TO PROVIDE A MINIMUM R-VALUE OF 4, WHEN TESTED IN ACCORDANCE WITH REQUIREMENTS OF ASTM C 236 AND SDI 113.

INTERIOR DOORS REQUIRING IMPACT RESISTANCE SHALL BE B SERIES, AS MANUFACTURED BY STEELCRAFT, OR ARCHITECT APPROVED EQUAL BY CECO, REPUBLIC, DEANSTEEL, CURRIES, OR SECURITY METAL PRODUCTS CORP IN ACCORDANCE WITH REQUIREMENTS OF SDI CLASSIFICATION II, LEVEL B, HEAVY DUTY, MODEL 2, WITH MINIMUM 18 GAUGE FACE SHEETS. THIS TYPE OF DOOR SHALL BE USED AT CORRIDORS, CAFETERIA, GYMNASIUM, LOCKER ROOMS, AND OTHER LOCATIONS AS NOTED.

1. FACE SHEETS SHALL BE COMMERCIAL QUALITY, COLD ROLLED STEEL, IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 366 AND A 620.
2. VERTICAL EDGES AND FACE SHEETS SHALL BE JOINED BY A CONTINUOUS WELD EXTENDING THE FULL HEIGHT OF THE DOOR. WELDS SHALL BE GROUND, FILLED AND DRESSED SMOOTH TO MAKE THEM INVISIBLE AND PROVIDE A SMOOTH FLUSH SURFACE.
3. HINGE REINFORCEMENT SHALL BE NOT LESS THAN 7 GAUGE (3/16") PLATE 1-1/4" X 10" OR A 12 GAUGE CONTINUOUS CHANNEL WITH FORMED HOLES DRILLED AND TAPPED. THE MANUFACTURER SHALL PROVIDE TEST INFORMATION THAT THE CONTINUOUS TYPE OF REINFORCEMENT IS EQUAL TO A 3/16" OR 7 GAUGE PLATE.
4. TOPS AND BOTTOMS OF ALL DOORS SHALL BE REINFORCED WITH A CONTINUOUS 16 GAUGE STEEL CHANNEL EXTENDING THE FULL WIDTH OF THE DOOR AND WELDED TO THE FACE SHEET. DOORS WITH AN INVERTED TOP CHANNEL SHALL HAVE A STEEL CLOSURE CHANNEL SCREWED IN PLACE SO THAT THE WEB OF THE CHANNEL IS FLUSH WITH THE FACE SHEETS OF THE DOOR.
5. DOOR CORES SHALL HAVE 20 GAUGE, HAT SHAPED, VERTICAL STEEL STIFFENERS SPANNING THE FULL THICKNESS OF THE INTERIOR SPACE BETWEEN DOOR FACES. STIFFENERS SHALL BE SPACED NOT MORE THAN 6" APART, AND SECURELY ATTACHED BY SPOT WELDS SPACED NOT MORE THAN 4" ON CENTER. SPACES BETWEEN STIFFENERS SHALL BE FILLED WITH FIBERGLASS INSULATION WITH A MINIMUM DENSITY OF 0.8 LBS/CUBIC FT.

FIRE RATED INTERIOR DOORS SHALL BE T SERIES, AS MANUFACTURED BY STEELCRAFT, OR ARCHITECT APPROVED EQUAL BY CECO, REPUBLIC, DEANSTEEL, CURRIES, OR SECURITY METAL PRODUCTS CORP IN ACCORDANCE WITH REQUIREMENTS OF SDI CLASSIFICATION II, LEVEL B, HEAVY DUTY, MODEL 2, WITH MINIMUM 16 GAUGE FACE SHEETS AND MINERAL FIBERBOARD COMPOSITE CONSTRUCTION. DOORS SHALL HAVE A 450° F TEMPERATURE RISE LABEL. THIS TYPE OF DOOR WILL BE REQUIRED AT ALL STAIR LOCATIONS.

STANDARD INTERIOR DOORS SHALL BE SERIES L 18, AS MANUFACTURED BY STEELCRAFT, OR ARCHITECT APPROVED EQUAL BY CECO, REPUBLIC, DEANSTEEL, CURRIES, OR SECURITY METAL PRODUCTS CORP IN ACCORDANCE WITH REQUIREMENTS OF SDI CLASSIFICATION I, LEVEL C, STANDARD DUTY, MODEL 2, WITH MINIMUM 18 GAUGE FACE SHEETS.

1. FACE SHEETS SHALL BE COMMERCIAL QUALITY, COLD ROLLED STEEL, IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 366 AND A 620. INTERIOR DOORS AT AREAS SUBJECT TO CORROSIVE CONDITIONS, INCLUDING BUT NOT LIMITED TO LOCKER ROOMS, TOILETS, AND KITCHEN, SHALL BE HOT DIPPED ZINC-IRON ALLOY COATED STEEL, IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 653 AND A 924 FOR A60 COATINGS.
2. VERTICAL EDGES SHALL BE MECHANICALLY INTERLOCKED WITH A HAIRLINE EDGE SEAM.
3. HINGE REINFORCEMENT SHALL BE NOT LESS THAN 7 GAUGE (3/16") PLATE 1-1/4" X 10" OR A 12 GAUGE CONTINUOUS CHANNEL WITH FORMED HOLES DRILLED AND TAPPED. THE MANUFACTURER SHALL PROVIDE TEST INFORMATION THAT THE CONTINUOUS TYPE OF REINFORCEMENT IS EQUAL TO A 3/16" OR 7 GAUGE PLATE.
4. REINFORCE TOPS AND BOTTOMS OF ALL DOORS WITH A CONTINUOUS STEEL CHANNEL NOT LESS THAN 16 GAGE, EXTENDING THE FULL WIDTH OF THE DOOR AND WELDED TO THE FACE SHEET. DOORS WITH AN INVERTED TOP CHANNEL SHALL HAVE A STEEL CLOSURE CHANNEL SCREWED IN PLACE SO THAT THE WEB OF THE CHANNEL IS FLUSH WITH THE FACE SHEETS OF THE DOOR.

ALL HOLLOW METAL DOOR CORES SHALL BE A ONE PIECE RESIN-IMPREGNATED HONEYCOMB OR POLYSTYRENE CORE SECURELY BONDED TO BOTH FACE SHEETS UNLESS NOTED OTHERWISE.

08 13 33 COILING COUNTER DOORS:

ALL COILING COUNTER DOORS ARE TO BE AS MANUFACTURED BY:

OVERHEAD DOOR
2501 S. STATE HWY 121 BUS.
SUITE 200
LEWISVILLE, TX 75067
PHONE: 800-929-3667
WWW.OVERHEADDOOR.COM

ROLLING COUNTER DOOR SYSTEM, MODEL 650
MOUNTING: FACE-OF-WALL
OPERATION: ELECTRIC
FINISH: FACTORY FINISHED, POWERGUARD POWDER COAT PAINT FINISH. COLOR TO BE SELECTED FROM MANUFACTURERS STANDARD AVAILABLE COLORS.
LOCKING: CYLINDER LOCK

08 14 00 WOOD DOORS:

INTERIOR DOORS:

TYPE 1: ALL INTERIOR DOORS ARE TO BE BIRCH, GRADE A VENEER GRAIN & FINISH WITH A PARTICLE BOARD CORE WITH A DENSITY OF 28 TO 32 PCF AS MANUFACTURED BY LAMBTON DOOR COMPANY OR ARCHITECT APPROVED EQUAL.

THICKNESS: 1¾"

FINISH: FACTORY FINISHED, CLEAR FINISH.

08 14 23 ULTIMATE COMMERCIAL DOOR

DESCRIPTION: FACTORY ASSEMBLED ULTIMATE COMMERCIAL DOOR, MANUFACTURED BY MARVIN, RIPLEY, TENNESSEE.

FRAME

A. FINGER-JOINTED, EDGE-GLUED VERTICAL GRAIN DOUGLAS FIR CORE WITH NON-FINGER-JOINTED VERTICAL GRAIN DOUGLAS FIR VENEER, OR EDGE-GLUED MIXED GRAIN DOUGLAS FIR VENEER WITH NON-FINGER-JOINTED MIXED GRAIN DOUGLAS FIR
   1. KILN DRIED TO MOISTURE CONTENT NO GREATER THAN TWELVE (12) PERCENT AT THE TIME OF FABRICATION
   2. WATER REPELLENT, PRESERVATIVE-TREATED IN ACCORDANCE WITH WDMA I.S.4.
B. FRAME WIDTH: 4 9/16" (116MM)
C. FRAME THICKNESS: 1 1/16" (27MM)
D. EXTERIOR EXTRUDED ALUMINUM CLAD 0.050" (1.3MM) THICK
E. SILL: OPTIONAL THERMAL BARRIER SADDLE LOW PROFILE .250" (6MM) BY 7.125" (181MM) SILL OR OPTIONAL THERMAL BARRIER SADDLE LOW PROFILE 0.250" (6MM) BY 8.125" (210MM) SILL.

PANEL DESCRIPTION

B. 2 ¼" DOORS: STILES AND TOP RAIL CONTAIN LAMINATED VENEER LUMBER (LVL) CORE WITH MIXED GRAIN DOUGLAS FIR. SOLID WOOD BOTTOM AND INTERMEDIATE RAILS.
C. COMPOSITE PANEL THICKNESS: 2 ¼" (57MM)
D. EXTERIOR EXTRUDED ALUMINUM CLAD 0.055" (1.4MM) THICK
E. TOP RAIL WIDTH: 2 ¼" PANEL: 8 1/8" (206MM)
F. STILE WIDTH: 6" (152MM)
G. BOTTOM RAIL HEIGHT: 11 3/8" (289MM)
H. PANEL CORNERS GLUED AND FASTENED WITH 5/8" X 4" (16MM X 102MM) FLUTED HARDWOOD DOWELS. REMOVABLE INTERIOR VINYL GLAZING STOPS WITH NON-FINGER-JOINTED WOOD COVERS. 2 ¼" PANEL: VISIBLE NAIL FASTENER ON GLAZING STOP.

GLAZING

A. SELECT QUALITY COMPLYING WITH ASTM C1036. COMPLY WITH 16 CFR 1201 SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS. TEMPERED INSULATING GLASS (IGMA/IGCC CERTIFIED TO PERFORMANCE LEVEL CBA WHEN TESTED IN ACCORDANCE WITH ASTM E774.
B. GLAZING METHOD: TEMPERED INSULATING GLASS (ALTITUDE ADJUSTED)
C. GLASS TYPE: CLEAR, BRONZE, GRAY, REFLECTIVE BRONZE, LOW E2 WITH OR WITHOUT ARGON, LOW E3 WITH OR WITHOUT ARGON, LOW E2/ERS ARGON OR AIR, LOW E3/ERS ARGON OR AIR, OBSCURE, LAMINATED
D. GLAZING SEAL: SILICONE BEDDING, EXTERIOR

FINISH

A. EXTERIOR: ALUMINUM CLAD. FLUOROPOLYMER MODIFIED ACRYLIC TOPCOAT OVER A PRIMER. MEETS AAMA 2605 REQUIREMENTS. COLOR TO BE SELECTED FROM MANUFACTURERS FULL RANGE OF AVAILABLE STANDARD COLORS.
B. INTERIOR FINISH OPTIONS:
   1. PRIME: FACTORY-APPLIED WATER-BORNE ACRYLIC PRIMER. WDMA TM-11 REQUIREMENTS.
   2. PAINTED INTERIOR FINISH. FACTORY-APPLIED WATER-BORNE ACRYLIC ENAMEL IN WHITE MEETING WDMA TM-14 REQUIREMENTS.

HARDWARE

A. HINGES: 4 ½" X 4 ½" SQUARE CORNER BALL BEARING HINGES. SATIN CHROME (US26D) FINISH OVER THE BRASS SUBSTRATE.
B. LOCKING SYSTEM: COMMERCIAL HARDWARE PACKAGE: CLOSER, RIM DEVICE, MORTISE LOCK, REMOVABLE MULLION, AND KICK PLATE
   1. VON DUPRIN 5547 CONCEALED VERTICAL ROD EXIT DEVICE (AVAILABLE WITH 2 ¼" PANELS ONLY)
   2. ALARM LOCK

WEATHER STRIP

A. HEAD JAMB AND HINGE JAMB: BULB TYPE WEATHER STRIP, BLACK.
B. LOCKING JAMB: GRAY PILE WEATHER STRIP
C. SURFACE-MOUNTED ALUMINUM PANEL DRIP MOUNTED AT THE BOTTOM OF THE PANEL (SHIPPED LOOSE FOR FIELD APPLICATION). MATCHES PANEL FINISH WITH MATCHING SCREWS

JAMB EXTENSION

A. FACTORY INSTALLED FOR WALL THICKNESS INDICATED OR REQUIRED.
B. FINISH: MATCH INTERIOR FRAME WOOD SPECIES AND FINISH.

RAISED OR FLAT PANELS

A. STAMPED RAISED PANEL: 6" (152MM) INTERMEDIATE RAIL CONSTRUCTED OF 0.080" ALUMINUM TO THE EXTERIOR WITH FOAM BACKING. ALUMINUM CLAD COLORS MEET AAMA 2605 REQUIREMENTS. CORE SHALL BE MEDIUM DENSITY FIBERBOARD (MDF) WITH NON-FINGER-JOINTED WOOD LAMINATE TO THE INTERIOR.

SIMULATED DIVIDED LITES (SDL)

A. 5/8" (16MM), 7/8" (22MM), 1 15/16" (49MM), 2 13/32" (61MM) - WITH OR W/OUT INTERNAL SPACER BAR.
   1. EXTERIOR MUNTINS: EXTRUDED ALUMINUM 0.055" (1.4MM) THICK. COLOR-MATCHED PANEL ALUMINUM CLADDING COLOR.
   2. INTERIOR MUNTINS: WOOD AND FINISH INTERIOR OF DOOR
   3. PATTERN: RECTANGULAR. CUSTOM LITE LAYOUT
   4. INTERIOR MUNTINS: WOOD AND FINISH INTERIOR OF DOOR
   5. STANDARD INTERIOR STICKING: OGEE

08 54 00 DOUBLE HUNG WINDOW

DESCRIPTION: ULTREX DOUBLE HUNG AS MANUFACTURED BY MARVIN WINDOWS AND DOORS, FARGO ND.

FRAME DESCRIPTION

A. INTERIOR: CLEAR PINE INTERIOR SURFACES.
   1. KILN-DRIED TO MOISTURE NO GREATER THAN TWELVE (12) PERCENT AT THE TIME OF FABRICATION.
   2. WATER REPELLANT PRESERVATIVE TREATED IN ACCORDANCE WITH WDMA I.S.4.
B. EXTERIOR: PULTRUDED REINFORCED FIBERGLASS (ULTREX®), 0.075" (2MM) THICK.
C. FRAME WIDTH: 4 9/16" (116MM).

SASH DESCRIPTION

A. CLEAR PINE INTERIOR SURFACES
   1. KILN-DRIED TO MOISTURE CONTENT NO GREATER THAN TWELVE (12) PERCENT AT THE TIME OF FABRICATION.
   2. WATER REPELLANT PRESERVATIVE TREATED IN ACCORDANCE WITH WDMA I.S.4.
B. EXTERIOR: PULTRUDED REINFORCED FIBERGLASS (ULTREX®), 0.075" (2MM) THICK.
C. SASH OPTIONS:
   1. EQUAL
   2. SASH DIVIDED 3W2H OVER 3W2H.
D. COMPOSITE SASH THICKNESS: 1 9/16" (40MM).
E. OPERATING SASH TILT TO INTERIOR FOR CLEANING OR REMOVAL.

GLAZING

A. SELECT QUALITY COMPLYING WITH ASTM C1036. INSULATING GLASS SIGMA/ICC CERTIFIED TO PERFORMANCE LEVEL CBA WHEN TESTED IN ACCORDANCE WITH ASMT E2190. STC/OITC RATINGS ARE CERTIFIED TO THE LEVEL IN ACCORDANCE WITH ASMT E90-09.
B. GLAZING METHOD: INSULATING GLASS
C. GAS FILL: ARGON
D. GLASS TYPE: LOW E1
E. DUAL-PANE INSULATING GLASS THICKNESS: 11/16"
F. GLAZING SEAL: SILICONE BEDDING AT EXTERIOR AND INTERIOR
G. GLAZING OPTION: WHITE LAMINATED AT LOCATIONS NOTED ON DRAWINGS

CERTIFIED MULLING FOR STANDARD UNITS

A. DIRECTIONAL MULL LIMITS: 2 UNITS WIDE BY 1 UNIT HIGH; ROUGH OPENING NOT TO EXCEED 113 ½ X 68 ¼ INCHES (2882MM X 1733MM).

FINISH

A. EXTERIOR: PULTRUDED FIBERGLASS. FACTORY BAKED ON ACRYLIC URETHANE. MEETS AAMA 624-10 REQUIREMENTS.
   1. COLOR: STONE WHITE
B. INTERIOR:
   1. COLOR: WHITE INTERIOR FACTORY FINISH

ENTRANCE HARDWARE

A. BALANCE SYSTEM: COIL SPRING BLOCK AND TACKLE WITH NYLON CORD AND GLASS FILLED NYLON SHOE AND ZINC LOCKING CLUTCH.
B. LOCK: HIGH PRESSURE ZINC DIE-CAST CAM LOCK AND KEEPER. FINISH: PHOSPHATE COATED AND ELECTROSTATICALLY PAINTED.
   1. STANDARD COLOR: WHITE.
C. TILT LATCHES: SPRING LOADED LATCHES FOR RELEASE OF SASH LOCATED AT CHECK RAIL.
   1. STANDARD COLOR: WHITE.
D. FACTORY-INSTALLED WINDOW OPENING CONTROL DEVICE FOR OPERATING UNITS PER ASTM F2090-17: A SYSTEM CONSISTING OF AN ACETAL LEVER HOUSED IN AN ACETAL SHELL ON EACH STILE OF THE TOP SASH.
   1. AVAILABLE ON ALL SIZES.
   2. COLOR: WHITE

SLIDING PATIO LOCKING SYSTEM HARDWARE

   1. 2 POINT LOCK, ZINC PLATED STEEL MECHANISM AND KEEPER. LOCKING SYSTEM OPERATED HANDLE ASSEMBLY.
   2. MANUAL HEAD BOLT IS STANDARD ON IN-ACTIVE PANEL

WEATHER STRIP

A. AT BOTTOM SASH: RIGID COLOR MATCHED VINYL WITH A HOLLOW VINYL WEATHER STRIP; INTERFACES AGAINST THE ULTREX SILL AND JAMB WEATHER STRIP
   1. COLOR: BLACK.
B. JAMB WEATHER STRIP: ROBUST SKIN COVERED FOAM WEATHER STRIP IS USED TO SEAL THE DOUBLE HUNG JAMB. IT IS INSERTED INTO TO A RIGID VINYL JAMB CARRIER.
   1. COLOR: WHITE
C. BLIND STOP: VINYL WITH A FLEXIBLE LEAF SEAL TO SEAL BETWEEN THE HEADER AND THE UPPER SASH.
D. FOAM PVC GASKET BETWEEN THE JAMB AND SILL.
E. AT INTERLOCK: RIGID GLASS FILLED POLYPROPYLENE WITH FLEXIBLE HOLLOW BULB.
   1. COLOR: WHITE.
F. REDUCED VISIBLE BEIGE AT THE EXTERIOR BOTTOM RAIL.

JAMB EXTENSION

A. FURNISH JAMB EXTENSION: 6 9/16 INCH (167MM) FACTORY-INSTALLED
B. OPTIONAL JAMB EXTENSION: 4 11/16 INCH (119MM), 4 13/16 INCH (122MM), OR 5 1/16 INCH (129MM) - 8 9/16 INCH (217MM) SHIPPED LOOSE.
C. FINISH: WHITE

INSECT SCREEN

A. FACTORY-INSTALLED FULL SCREEN.
   1. SCREEN MESH: 18 BY 16 CHARCOAL FIBERGLASS (NON-CORROSIVE)
   2. FINISH: WHITE

SIMULATED DIVIDED LITES (SDL)

A. 7/8" (22MM) WIDE. AVAILABLE WITH OPTIONAL SPACER BAR.
   1. EXTERIOR MUNTINS: ULTREX FINISHED TO COLOR MATCH EXTERIOR
   2. INTERIOR MUNTINS: WHITE INTERIOR FINISH
   3. PATTERNS: COTTAGE STYLE UP TO 2H WITH SPECIFIED DLO HEIGHTS (4" MIN)

ACCESSORIES AND TRIM

A. EXTERIOR CASING:
   1. 3 ½" (89MM) FLAT CASING WITH SILL NOSING.
   2. COLOR: STONE WHITE
B. INSTALLATION ACCESSORIES:
   1. FACTORY-INSTALLED VINYL NAILING FIN/DRIP CAP AT HEAD, SILL AND SIDE JAMBS.

08 71 00 DOOR HARDWARE:

GENERAL:

- ALL EXIT DOORS MUST COMPLY WITH LOCAL FIRE CODES.

DOOR LOCKS & LEVERS

- LEVER HANDLE MORTISE ASSEMBLY WITH INTERCHANGEABLE CORE (IC)
- MUST MEET ADA REQUIREMENTS, COMPLY WITH LOCAL FIRE CODE AND ANSI A.156-12 SECURITY GRADE

HARDWARE SETS:

HEADING # 01 - (SINGLE WITH PASSAGE SET)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3EA	HINGE	5BB1-HW	630	IVE
1EA	PASSAGE SET	ND10S TLR	630	SCH
1EA	SURFACE CLOSER	4011 REG	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1EA	STOP	W5407/FS436	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HEADING # 02 - (SINGLE WITH STORE ROOM LOCKSET X CLOSER)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3EA	HINGE	5BB1-HW-SH	630	IVE
1EA	STOREROOM LOCKSET	L9480	630	SCH
1EA	SURFACE CLOSER	4011 REG	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1EA	STOP	WS407/FS436	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HEADING # 03 - (SINGLE WITH MORTISE LOCKSET W/ CLOSER)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3EA	HINGE	5BB1-HW-SH	630	IVE
1EA	MORTISE CYLINDER	AS REQUIRED	630	SCH
1EA	MORTISE LOCKSET	L9464 X XL11-B86 W/ 03L LEVER	630	SCH
1EA	SURFACE CLOSER	4011 REG	689	LCN
1EA	STOP	WS407/FS436	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HEADING # 04 - (SINGLE WITH STOREROOM LOCKSET X CLOSER)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3EA	HINGE	5BB1-HW	630	IVE
1EA	STOREROOM LOCKSET	ND80PD BTR	630	SCH
1EA	SURFACE CLOSER	4011 REG	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1EA	STOP	WS407/FS436	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HEADING #05 - (SINGLE WITH OFFICE LOCKSET)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3EA	HINGE	5BB1-HW	630	IVE
1EA	OFFICE LOCKSET	ND50PD TLR	630	SCH
1EA	SURFACE CLOSER	4011 REG	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HEADING #06 - (SINGLE WITH PASSAGE SET)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3EA	HINGE	5BB1-HW	630	IVE
1EA	PASSAGE SET	ND10S TLR	630	SCH
1EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1EA	STOP	WS407/FS436	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HEADING #07 - (SINGLE WITH PRIVACY SET W/ INDICATOR X CLOSER)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3EA	HINGE	5BB1-HW	630	IVE
1EA	PRIVACY LOCK	ND85PD TLR	630	SCH
1EA	SURFACE CLOSER	4011 REG	689	LCN
1EA	STOP	WS407/FS436	630	IVE
1EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HEADING #08 - (EXTERIOR SINGLE MORTISE LOCKSET)
PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1A	HINGE	ROTON 780-112HD	630	HAG
1EA	MORTISE CYLINDER	AS REQUIRED	630	SCH
1EA	MORTISE LOCKSET	L9464 X XL11-B86 W/ 03L LEVER	630	SCH
1EA	SURFACE CLOSER	4111 EDA	689	LCN
1EA	OH STOP	90S	32D	GJ
1SET	SEALS	BY DOOR SUPPLIER		
1EA	DOOR SWEEP	BY DOOR SUPPLIER		
1EA	THRESHOLD	BY DOOR SUPPLIER		

08 81 00 GLASS AND GLAZING:

TYPE 1: 1" TEMPERED INSULATED LOW -E GLASS, VIRACON OR EQUAL
   1. ¼" OUTER PANE, ½" AIRSPACE ½" INNER PANE
   2. VISIBLE LIGHT TRANSMITTANCE: 65%
   3. REFLECTANCE: 11%
   4. UV TRANSMITTANCE: 32%
   5. U VALUE: .29
   6. SHADING COEFFICIENT: .52

TYPE 2: 1" INSULATED LOW -E GLASS, VIRACON OR EQUAL
   1. ¼" OUTER PANE, ½" AIRSPACE ½" INNER PANE
   2. VISIBLE LIGHT TRANSMITTANCE: 65%
   3. REFLECTANCE: 11%
   4. UV TRANSMITTANCE: 32%
   5. U VALUE: .29
   6. SHADING COEFFICIENT: .52

TYPE 3: ¼" TEMPERED INSULATED LOW -E GLASS, VIRACON OR EQUAL
   1. ⅛" TEMPERED OUTER PANE, ½" AIRSPACE, ⅛" TEMPERED INNER PANE
   2. VISIBLE LIGHT TRANSMITTANCE: 65%
   3. REFLECTANCE: 11%
   4. UV TRANSMITTANCE: 32%
   5. U VALUE: .29
   6. SHADING COEFFICIENT: .52

TYPE 4: ¼" TEMPERED, ASTM C1048, CONDITION A, TYPE I, CLASS 1, QUALITY CLEAR Q3 GLAZING.

TYPE 5: 1" TEMPERED INSULATED LOW -E SPANDREL GLASS, VIRACON OR EQUAL
   1. ¼" OUTER PANE, ½" AIRSPACE, ¼" SPANDREL (#955 BLACK) INNER PANE
   2. VISIBLE LIGHT TRANSMITTANCE: 65%
   3. REFLECTANCE: 11%
   4. UV TRANSMITTANCE: 32%
   5. U VALUE: .29
   6. SHADING COEFFICIENT: .52
   7. REFLECTANCE: 11%

TYPE 6: ¼" TEMPERED, MIRROR GLASS, VIRACON OR EQUAL
   1. GLASS SUBSTRATE: GREY
   2. VISIBLE LIGHT TRANSMITTANCE: 11%
   3. VISIBLE REFLECTANCE COATED SIDE: 68%
   4. VISIBLE REFLECTANCE GLASS SIDE: 16%
   5. MIRROR COATING: SUBJECT/OBSERVED SIDE

08 91 19 FIXED LOUVERS:

MODEL ELF375DX STATIONARY LOUVER WITH A 4" DEEP FRAME, DRAINABLE BLADES, AND A 37 1/2 DEGREE BLADE ANGLE AS MANUFACTURED BY RUSKIN. COLOR TO BE AS SELECTED BY ARCHITECT.

   1. 54% FREE AREA.
   2. HIGH PERFORMANCE FRAME SYSTEM WITH A DRAINABLE HEAD THAT COLLECTS AND REMOVES WATER FOR EXCELLENT WATER PENETRATION PERFORMANCE.
   3. DRAIN GUTTERS IN BLADES TO MINIMIZE WATER CASCADING.
   4. ARCHITECTURALLY STYLED, HIDDEN MULLIONS ALLOWING CONTINUOUS LINE APPEARANCE UP TO 120'.
   5. ALL ALUMINUM CONSTRUCTION FOR LOW MAINTENANCE AND HIGH RESISTANCE TO CORROSION
   6. LOUVER SIZE TO BE AS REQUIRED TO MEET CODE REQUIREMENTS FOR ELEVATOR SHAFT VENTING.

DIVISION 09-FINISHES

09 29 00 GYPSUM WALLBOARD ASSEMBLIES:

GYPSUM DRYWALL

REGULAR, MOLD TOUGH, AND FIRECODE CORES, AS MANUFACTURED BY UNITED STATES GYPSUM COMPANY OR ARCHITECT APPROVED EQUAL, AS REQUIRED TO PROVIDE A CATEGORY 2, MODERATE DUTY ASSEMBLY. PANELS SHALL COMPLY WITH THE FOLLOWING:

   1. EDGES: TAPERED
   2. THICKNESS: 5/8"

FIBEROCK INTERIOR PANEL

ABUSE RESISTANT GYPSUM FIBER PANELS, AS MANUFACTURED BY UNITED STATES GYPSUM COMPANY OR ARCHITECT APPROVED EQUAL, AS REQUIRED TO PROVIDE A CATEGORY 2, MODERATE DUTY ASSEMBLY. PANELS SHALL COMPLY WITH THE FOLLOWING:

CEMENT BOARD

USG DUROCK CEMENT BOARD NEXT GEN, ½" THICKNESS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

METAL TRIMS AND ACCESSORIES

A. PRO

INTERIOR DRYWALL - FLAT:

PRIMER: MOORE'S PRISTINE ECO SPEC WB INTERIOR LATEX PRIMER SEALER 372

FINISH COAT 1 & 2: MOORE'S WATERBORNE ULTRA FLAT INTERIOR LATEX CEILING PAINT FINISH 508

INTERIOR FERROUS METAL - METAL STAIRS, LADDERS AND RAILINGS:

PRIMER: CARBOLINE'S ALKYD METAL PRIMER CARBOCOAT 153, AT 1.5 - 2.0 MILS DFT

FINISH COAT 1 & 2: CARBOLINE'S CROSS LINKED EPOXY SANTILE 655, AT 4.0 - 5.0 MILS DFT.

DIVISION 10-SPECIALTIES

10 26 00 WALL &CORNER GUARDS:

END WALL CONDITIONS: CS ACROVYN VA-200N AS MANUFACTURED BY CONSTRUCTION SPECIALTIES, INC.

NOTE: 1 ½" FACE DIMENSION X 10'-0" TALL

90° OUTSIDE CORNERS: CS ACROVYN VA-250N AS MANUFACTURED BY CONSTRUCTION SPECIALTIES, INC.

SIZE: 2 1/2" FACE DIMENSION X 10'-0" HIGH

COLOR SHALL BE SELECTED FROM ONE OF (64)" ACROVYN SOLID COLORS.

10 28 00 TOILET PARTITIONS:

HIGH POLYMER RESIN WITH EDGES UNIFORMLY MACHINED TO 1/4" RADIUS.

PANELS SHALL BE WATER RESISTANT, NON-ABSORBENT WITH A SELF-LUBRICATING SURFACE. PANELS SHALL BE ANCHORED TO FRONT PILASTERS, OTHER PANELS, AND WALLS WITH A CONTINUOUS, HEAVY DUTY, BRITE ANODIZED, TYPE 6463-T5 EXTRUDED ALUMINUM 'C' BRACKET, IN ACCORDANCE WITH THE APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS.

DOORS SHALL BE 1" THICK AND OF SAME DESIGN AS DIVIDING PANELS. DOORS SHALL BE MOUNTED TO PILASTERS WITH 8" EXTRUDED ALUMINUM WRAP AROUND HINGES. EACH DOOR SHALL BE FURNISHED WITH ONE COAT HOOK/BUMPER OF EXTRUDED ANODIZED ALUMINUM AND ONE ALUMINUM SLIDE LATCH. DOORS AT HANDICAPPED ACCESS STALLS SHALL INCLUDE ONE DOOR PULL AND DOOR STOP.

PILASTERS SHALL BE 1" THICK BY 82" HIGH, AND OF SAME DESIGN AS DIVIDING PANELS AND DOORS. PILASTERS SHALL BE SECURED TO FLOOR USING 3/16" THICK ALUMINUM ANGLE AND TWO (2) TAMPER PROOF, STAINLESS STEEL SCREWS AND EXPANSION ANCHORS. FLOOR FASTENER SHALL CONTAIN NO LESS THAN ONE ADJUSTING BOLT ON THE BOTTOM AND BE CONCEALED BY A 4" HIGH, ONE PIECE, POLYMER RESIN FLOOR SHOE IN SOLID COLOR TO MATCH PILASTER. TOPS SHALL BE OVERHEAD BRACED, UTILIZING A 1-1/2" X 1-3/4", ANTI-GRIP, BRITE ANODIZED ALUMINUM CHANNEL WEIGHING NOT LESS THAN .75 LBS. PER LINEAR FOOT. OVERHEAD BRACING CHANNEL SHALL BE CONTINUOUS, CAPPING THE TOP OF PILASTERS, AND BE SECURED ON INSIDE OF COMPARTMENT WITH 5/8" TAMPER PROOF, STAINLESS STEEL SCREWS.

URINAL VISION SCREENS SHALL BE 1" THICK AND OF SAME DESIGN AS DIVIDING PANELS. VISION SCREENS SHALL BE ANCHORED TO FRONT PILASTERS, OTHER PANELS, AND WALLS WITH A CONTINUOUS, HEAVY DUTY, BRITE ANODIZED, TYPE 6463-T5 EXTRUDED ALUMINUM 'C' BRACKET, IN ACCORDANCE WITH THE APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS.

PARTITION HARDWARE, BRACKETS AND FITTINGS

PROVIDE ALL HARDWARE AND FASTENERS AS REQUIRED FOR A COMPLETE INSTALLATION IN ACCORDANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND THE APPROVED MANUFACTURER'S WRITTEN INSTRUCTION

10 44 00 FIRE EXTINGUISHERS AND CABINETS:

FIRE EXTINGUISHERS AND CABINETS SHALL BE AS MANUFACTURED BY LARSEN'S, OR ARCHITECT APPROVED EQUAL BY J.L. INDUSTRIES OR POTTER ROEMER, IF THEY MEET OR EXCEED THE FOLLOWING REQUIREMENTS:

FIRE EXTINGUISHERS SHALL BE MULTI PURPOSE DRY CHEMICAL, MODEL #MP10, AS MANUFACTURED BY LARSEN'S, OR ARCHITECT APPROVED EQUAL, UL RATED 4A-80B:C, FILLED AND TAGGED WITH 10 LB. NOMINAL CAPACITY, IN RED ENAMELED STEEL CYLINDERS.

FIRE EXTINGUISHER CABINETS SHALL BE SEMI-RECESSED, HEAVY GAUGE STEEL WITH WHITE, BAKED ACRYLIC ENAMEL FINISH, ARCHITECTURAL SERIES AS MANUFACTURED BY LARSEN'S, OR ARCHITECT APPROVED EQUAL.

CABINET TRIM AND DOOR SHALL BE HEAVY GAUGE STEEL WITH WHITE, BAKED ACRYLIC ENAMEL FINISH, WITH CONTINUOUS PIANO HINGE, CLEAR TEMPERED SAFETY GLASS AND VERTICAL BLACK LETTERS SPELLING; FIRE EXTINGUISHER

TYPE 1: SEMI RECESSED, MODEL NO. 2409-R7 WITH BRACKET NO. 5525
TYPE 2: FULLY RECESSED, MODEL NO. 2409-R2 WITH BRACKET NO. 5525
TYPE 3: SURFACE MOUNT, MODEL NO. 2409-SM WITH BRACKET NO. 5525

DIVISION 11 - EQUIPMENT

DIVISION 12 - FURNISHINGS - NOT USED

DIVISION 14 - VERTICAL TRANSPORTATION - NOT USED

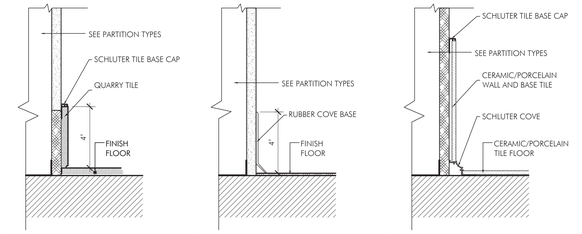
DIVISION 21-FIRE PROTECTION
21 00 00 - FIRE PROTECTION
REFER TO FIRE PROTECTION DRAWINGS

DIVISION 22-PLUMBING
22 00 00 - PLUMBING:
REFER TO PLUMBING DRAWINGS

DIVISION 23-MECHANICAL
23 00 00 - MECHANICAL:
REFER TO MECHANICAL DRAWINGS

DIVISION 26-ELECTRICAL
26 00 00 - ELECTRICAL:
REFER TO ELECTRICAL DRAWINGS

STANDARD BASE DETAILS

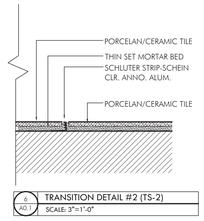


1 A0.1 BASE DETAIL #1 (TS-2) SCALE: 3"=1'-0"

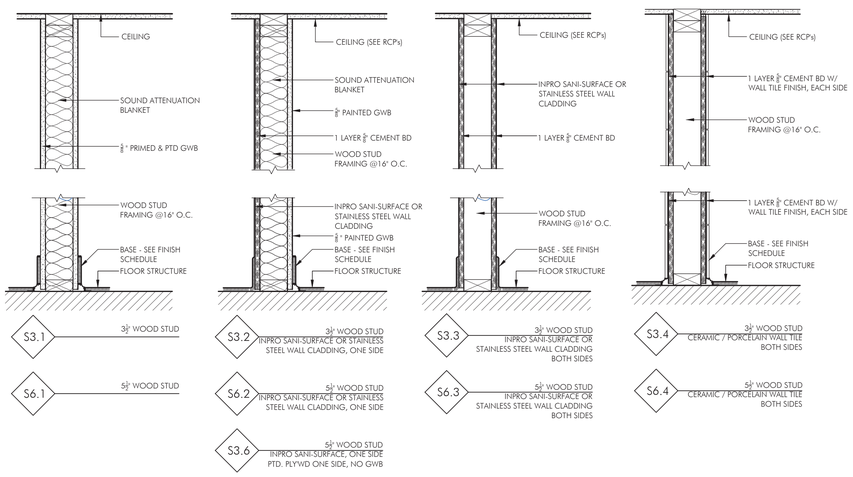
2 A0.1 BASE DETAIL #2 SCALE: 3"=1'-0"

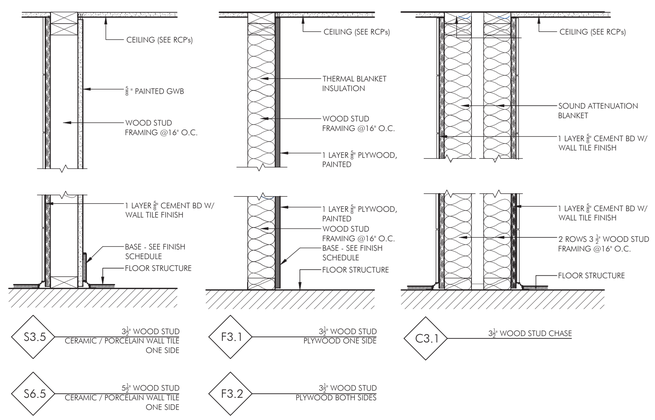
3 A0.1 BASE DETAIL #4 - (TS-4/TS-6) SCALE: 3"=1'-0"

FLOOR TRANSITION DETAILS



6 A0.1 TRANSITION DETAIL #2 (TS-2) SCALE: 3"=1'-0"





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Consultants

Revisions

HOPYARD GOLF CLUB
Proposed Pool House
1 Hopyard Road
East Haddam, CT 06423

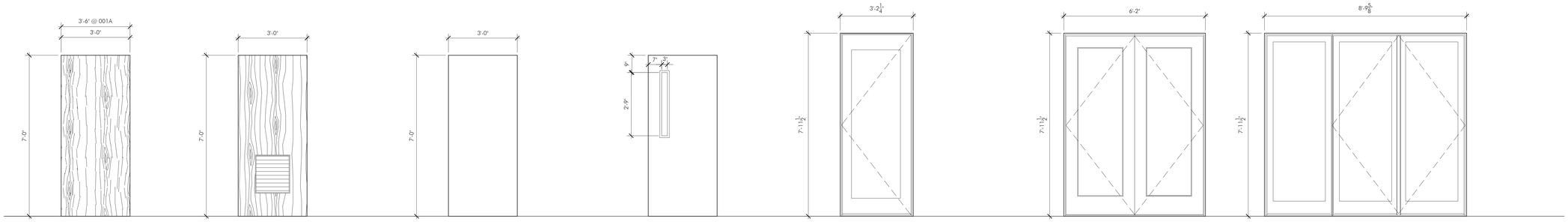
STATE OF CONNECTICUT DANIEL R. CUNNINGHAM LICENSED ARCHITECT

PROJECT SPECIFICATIONS (CONTINUED)
BASE & TRANSITION DETAILS
PARTITION TYPES

Project Number 2023.054
Drawing Scale 3/16"=1'-0"
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A0.4

DOOR TYPES



A **SOLID CORE WOOD DOOR**
FINISH - TO BE DETERMINED

B **SOLID CORE WD DOOR W/ LOUVER**
FINISH - TO BE DETERMINED

C **SOLID CORE HM DOO**
FINISH - PAINTED

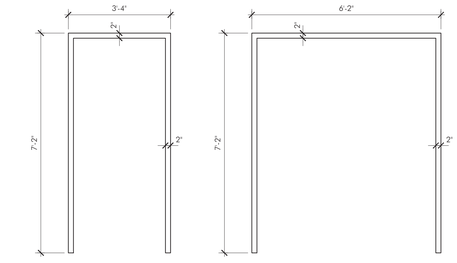
D **SOLID CORE HM DOOR W/ VISION PANEL**
2-HOUR RATED
FINISH - PAINTED

E **MARVIN ELEVATE FRENCH DOOR (ELIFD3080)**
FINISH - PAINTED

F **MARVIN ELEVATE FRENCH DOOR (ELIFD6080)**
FINISH - PAINTED

G **MARVIN ELEVATE FRENCH DOOR MULLED (ELIFD3080 & ELIFD6080 XXL)**
FINISH - PAINTED

HOLLOW METAL FRAME TYPES

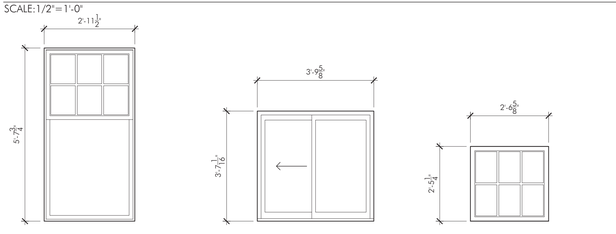


F-1 **HOLLOW METAL FRAME**

F-2 **HOLLOW METAL FRAME**

WINDOW TYPES

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



W1 **DOUBLE HUNG COTTAGE WINDOW (ELDH3668)**
MARVIN ELEVATE FIBERGLASS WINDOW
7/8" SIMULATED DIVIDED LITE (SDL),
FULL SCREEN, INTERIOR PRIMED,
WHITE EXTERIOR COLOR
WHITE HARDWARE
GLAZING:
- LOW-E4 ARGON
- U-FACTOR: 0.29
- SGHC: 0.18

W2 **WOOD GLIDER WINDOW (WGL2036)**
MARVIN ELEVATE FIBERGLASS WINDOW
7/8" SIMULATED DIVIDED LITE (SDL),
FULL SCREEN, INTERIOR PRIMED,
WHITE EXTERIOR COLOR
WHITE HARDWARE
GLAZING:
- LOW-E4 ARGON
- U-FACTOR: 0.29
- SGHC: 0.18

W3 **TRANSOM WINDOW**
BROSCO FIBERGLASS WINDOW

DOOR SCHEDULE

DOOR NUMBER	ROOM NAME	DOOR TYPE	DOOR SIZE	SILL DETAIL	HEAD/JAMB DETAIL	DOOR MATERIAL	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME GLAZING	HARDWARE SET #	REMARKS
100A	EXTERIOR / STAIRWAY	C	6'-0" x 7'-0"	-		HM	-	FRAME 2	HM	-		
101A	EXTERIOR / MECH. ATTIC ACCESS	C	3'-0" x 7'-0"	-		HM	-	FRAME 1	HM	-		
102A	STAIRWAY / DRY GOODS STORAGE	D	3'-0" x 7'-0"	-		HM	-	FRAME 1	HM	-		
104A	KITCHEN / STAIRWAY	D	3'-0" x 7'-0"	-		HM	-	FRAME 1	HM	-		
104B	INDOOR SEATING / KITCHEN	D	3'-0" x 7'-0"	-		HM	-	FRAME 1	HM	-		
105A	EXTERIOR / INDOOR SEATING	F	6'-2" x 8'-0"	-		WD/GLAZ	TBD	TBD	HM	-		
105B	EXTERIOR / INDOOR SEATING	G	8'-9 5/8" x 8'-0"	-		WD/GLAZ	TBD	TBD	HM	-		
105C	EXTERIOR / INDOOR SEATING	F	6'-2" x 8'-0"	-		WD/GLAZ	TBD	TBD	HM	-		
106A	INDOOR SEATING / OFFICE	A	3'-0" x 7'-0"	-		WD	-	FRAME 1	HM	-	-	ADD VISION PANEL?
107A	EXTERIOR / ENTRY FOYER	E	3'-0" x 7'-0"	-		WD/GLAZ	TBD	TBD	HM	-		
108A	ENTRY FOYER / MEN	B	3'-0" x 7'-0"	-		WD	-	FRAME 1	HM	-		
109A	JANITOR'S CLOSET / ENTRY FOYER	B	3'-0" x 7'-0"	-		WD	-	FRAME 1	HM	-		
110A	ENTRY FOYER / WOMEN	B	3'-0" x 7'-0"	-		WD	-	FRAME 1	HM	-		
111A	MEN / SHOWER	B	3'-0" x 7'-0"	-		WD	-	FRAME 1	HM	-		
112A	WOMEN / SHOWER	B	3'-0" x 7'-0"	-		WD	-	FRAME 1	HM	-		

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Consultants

Revisions

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Proposed Pool House
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DOOR & FRAME TYPES,
WINDOW TYPES,
DOOR SCHEDULE

Project Number
2023.054

Drawing Scale
3/16"=1'-0"

Drawn By
RMY

Checked By
GMc

Date Issued
5/7/24

A0.5

GOVERNING REGULATIONS

2022 Connecticut State Building Code
2021 IBC - (International Building code)
2022 Connecticut State Fire Safety Code
2021 IFC - (International Fire code)
2021 IECC - (International Energy Conservation Code)
2021 IPC - (International Plumbing code)
2021 IMC - (International Mechanical code)
2020 NEC - (National Electrical Code)
2017 ICC A117.1 Accessible and Usable Buildings & Facilities

SECTION	REGULATION	REQUIRED/ALLOWED	PROVIDED
302.0	USE CLASSIFICATION	-	A-2 ASSEMBLY (RESTAURANT) B BUSINESS S-1 STORAGE
TABLE 504.3, TABLE 504.4 AND TABLE 506.2	HEIGHT, STORIES AND AREA	A-2 (Type VB) - 60 Feet, 2 Stories, S1 = 24,000 SF B and S-1 (TYPE VB) - 60 Feet, 2 Stories, S1 = 36,000 SF	A-2 - 1 Story, 1,994 SF B - 1 Story, 135 SF S-1 - 1 Story, 309 SF TOTAL 2,438 SF
TABLE 508.3	NON-SEPARATED OCCUPANCIES	SEPARATION NOT REQUIRED EXCEPT FOR USE GROUPS,I-1, H-2, H-3, H-4, H-5, R-1, R-2 and R-3	NO SEPARATION REQUIRED
602.4	TYPES OF CONSTRUCTION	-	TYPE 5B
TABLE 601	FIRE RESISTANCE RATINGS: • PRIMARY STRUCTURAL FRAME • BEARING WALLS-EXTERIOR • BEARING WALLS -INTERIOR • NONBEARING WALLS AND PARTITIONS - INTERIOR • FLOOR CONSTRUCTION & SECONDARY MEMBERS • ROOF CONSTRUCTION & SECONDARY MEMBERS	 0 HRS 0 HRS 0 HRS 0 HRS 0 HRS 0 HRS	 0 HRS 0 HRS 0 HRS 0 HRS 0 HRS 0 HRS
717.1	FIRESTOPPING/DRAFTSTOPPING	YES	YES
803.11	INTERIOR FINISH AND TRIM (NOT SPRINKLERED) • EXIT ENCLOSURES • CORRIDORS • ROOMS & ENCLOSED SPACES	 CLASS B CLASS C CLASS C	 N/A CLASS C CLASS C
TABLE 1004.5	MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT	FIRST FLOOR ASSEMBLY GROUP A-2 735 SF LOCKER ROOMS 947 SF COMMERCIAL KITCHEN 312 SF ACCESSORY GROUP B 135 SF BASEMENT STORAGE GROUP S-1 1,367 SF MECHANICAL ATTIC STORAGE GROUP S-1 1,130 SF TOTAL BUILDING OCCUPANT LOAD	 15 GSF/ OCCUPANT = 49 OCCUPANTS (Unconcentrated Tables & Chairs) 50 GSF / OCCUPANT = 20 OCCUPANTS 10 MEN / 10 WOMEN 200 GSF / OCCUPANT = 2 OCCUPANTS 150 GSF / OCCUPANT = 1 OCCUPANT 300 GSF / OCCUPANT = 5 OCCUPANTS 300 GSF / OCCUPANT = 4 OCCUPANTS 81 OCCUPANTS
1005.3.2	MINIMUM EGRESS WIDTH, OTHERS (NON-STAIRWAYS)	0.2" x 81 OCCUPANTS = 16.2" REQUIRED @ DOORS	288" PROVIDED
TABLE 1006.2.1	SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY	A-2 = 49 OCCP and 75' B and S-1 = 49 OCCP and 100'	A-2 LOCKER ROOM = 20 OCCP and 63' S-1 BASEMENT = 5 OCCP AND 98' S-1 MECH ATTIC = 5 OCCP AND 98'
1006.3.3	MINIMUM # OF EXITS	1-500 OCCP=2 EXITS	A-2 and B - 4 EXITS S-1 - 1 EXIT
TABLE 1017.2	EXIT TRAVEL DISTANCE	A and S-1 = 250' B = 300'	A-2 and S-1 = 98' B = 40'
1020.5	DEAD END CORRIDORS	A-2 = 20' B and S = 50'	NONE

IECC 2021
INTERNATIONAL ENERGY CONSERVATION CODE W/ STRETCH CODE

TABLE 300.1 CLIMATE ZONE
Haddam, CT, Middlesex County, Climate Zone 6A

TABLE 502.2(1) BUILDING ENVELOPE REQUIREMENTS - OPAQUE ASSEMBLIES

COMPONENT	REQUIRED/ALLOWED	PROVIDED
SLAB:	R-10ci, 4FT	R-10ci, 4FT
FLOORS:	R-30	R-30
BASEMENT WALLS:	R-15ci OR R-19 OR R-13ci + R-5	R-19
WALLS:	R-30 OR R-20 + R-5ci OR R-13 + R-10ci OR R-0 + R-20ci	R-21 + R-6ci
MASS WALL:	13/17	R-19
CEILING/ROOF:	R-60	R-60
FENESTRATIONS:	U=0.30	U=0.26
GLAZED FENESTRATION SGHC:	U=0.40	U=0.37

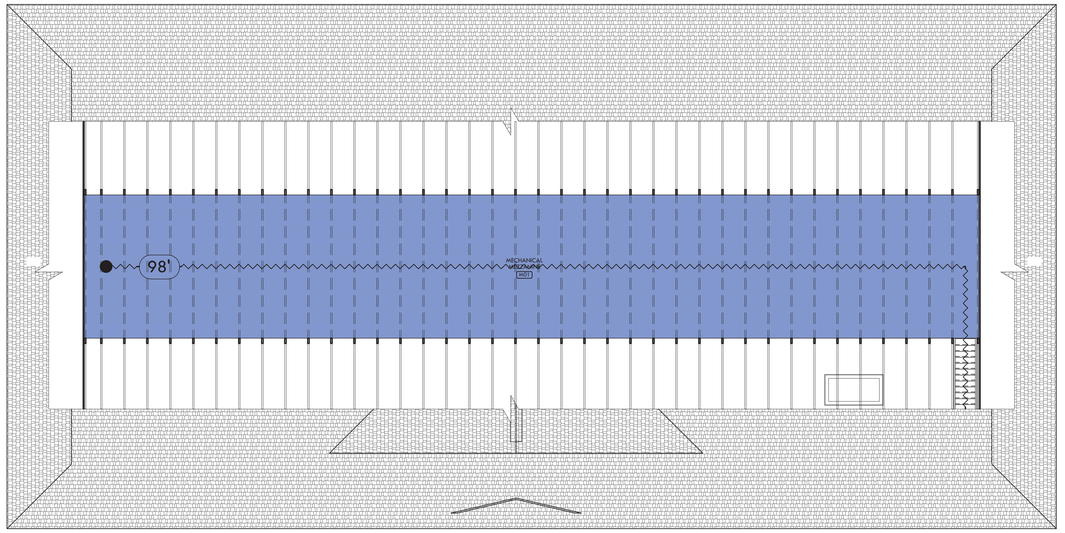
CODE SYMBOL LEGEND

- EGRESS PATH TRAVEL DISTANCE
- FIRE EXTINGUISHERS
- EMERGENCY EXIT SIGNAGE
- LIMIT OF USE GROUP "A-2" OCCUPANCY (NON-SEPARATED)
- LIMIT OF USE GROUP "B" OCCUPANCY
- LIMIT OF COMM KITCHEN, ACCESSORY USE TO "A-2" OCCUPANCY
- LIMIT OF USE GROUP "S-1" OCCUPANCY
- LIMIT OF MECHANICAL ROOM, ACCESSORY USE TO "A-2" OCCUPANCY

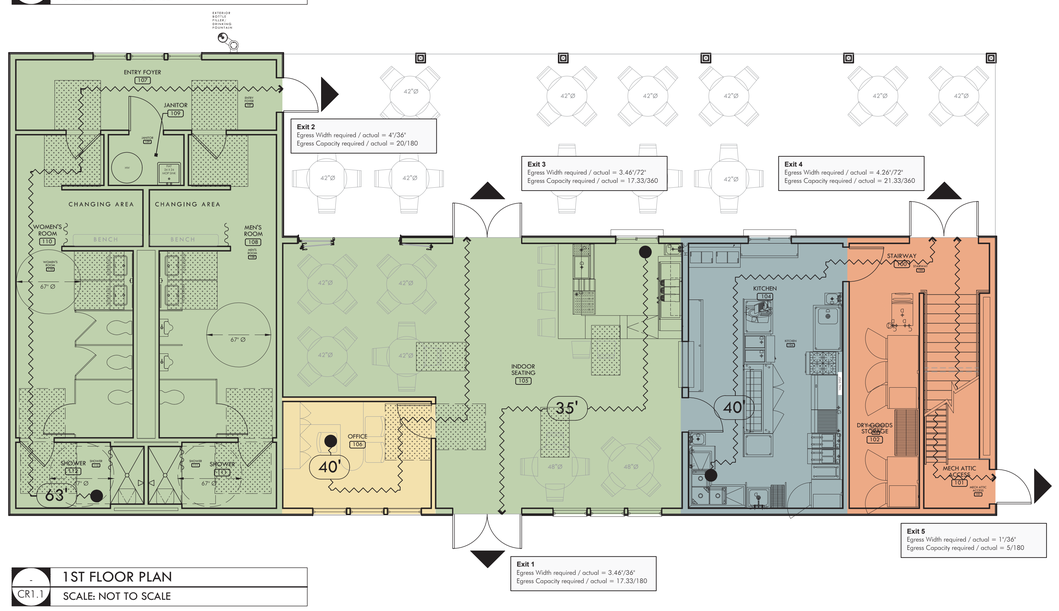
ICC A117.1

SECTION	REGULATION	REQUIRED/ALLOWED	PROVIDED
304.3	TURNING SPACES	67" MINIMUM W/ 10" MAXIMUM OVERLAP	AS REQUIRED
305.3	CLEAR FLOOR SPACE	52" LENGTH BY 30" WIDTH, MINIMUM	AS REQUIRED
403.5.1	ACCESSIBLE ROUTE, CLEAR WIDTH	INTERIOR ACCESSIBLE ROUTE WIDTH, 36 INCHES MINIMUM EXTERIOR ACCESSIBLE ROUTE WIDTH, 42 INCHES MINIMUM	AS REQUIRED
403.5.2	ACCESSIBLE ROUTE, CLEAR WIDTH AT 180 DEGREE TURN WITH LESS THAN 52 INCHES BETWEEN	APPROACHING AND LEAVING WIDTH IS EQUAL TO 36 INCHES, TURN WIDTH SHALL BE 60 INCHES MINIMUM APPROACHING AND LEAVING WIDTH IS EQUAL TO 42 INCHES, TURN WIDTH SHALL BE 48 INCHES MINIMUM APPROACHING AND LEAVING WIDTH IS EQUAL TO 43 INCHES, TURN WIDTH SHALL BE 43 INCHES MINIMUM	AS REQUIRED
403.5.2	ACCESSIBLE ROUTE, CLEAR WIDTH AT 90 DEGREE TURN	BOTH LEGS OF TURN SHALL BE A MINIMUM OF 40 INCHES, MINIMUM WIDTH SHALL BE FOR 28 INCHES FROM INSIDE CORNER BOTH LEGS OF TURN SHALL BE A MINIMUM OF 36 INCHES, WHERE INSIDE CORNER IS CHAMFERED 8" WHERE ONE LEG IS MINIMUM OF 42 INCHES, THE OTHER LEG MAY BE 38 INCHES MINIMUM WIDTH WHERE ONE LEG IS MINIMUM OF 44 INCHES, THE OTHER LEG MAY BE 36 INCHES MINIMUM WIDTH	AS REQUIRED
404.2.3	DOOR MANEUVERING CLEARANCES	DOORWAYS SHALL HAVE A CLEAR OPENING WIDTH OF 32 INCHES MINIMUM FRONT APPROACH, PULL SIDE = 60 INCHES LENGTH AND 18 INCHES BEYOND STRIKE EDGE OF DOOR FRONT APPROACH, PUSH SIDE = 52 INCHES LENGTH AND 12 INCHES BEYOND STRIKE EDGE OF DOOR HINGE SIDE APPROACH, PULL SIDE = 60 INCHES WIDE AND 36 INCHES BEYOND STRIKE EDGE OF DOOR, OR 54 INCHES WIDE AND 42 INCHES BEYOND STRIKE EDGE OF DOOR HINGE SIDE APPROACH, PUSH SIDE = 42 INCHES (48 INCHES WITH CLOSER) WIDE AND 22 INCHES BEFORE HINGE EDGE OF DOOR LATCH SIDE APPROACH, PULL SIDE = 48 INCHES (54 INCHES WITH CLOSER) WIDE AND 24 INCHES BEFORE LATCH EDGE OF DOOR LATCH SIDE APPROACH, PUSH SIDE = 42 INCHES WIDE AND 24 INCHES BEFORE LATCH EDGE OF DOOR	AS REQUIRED
404.2.3.4	DOORWAY MANEUVERING CLEARANCES, W/O DOORS	FRONT APPROACH SHALL HAVE A CLEAR OPENING LENGTH OF 52 INCHES AND A CLEAR WIDTH OF 32 INCHES MINIMUM SIDE APPROACH SHALL HAVE A CLEAR OPENING LENGTH OF 42 INCHES AND A CLEAR WIDTH OF 32 INCHES MINIMUM	AS REQUIRED

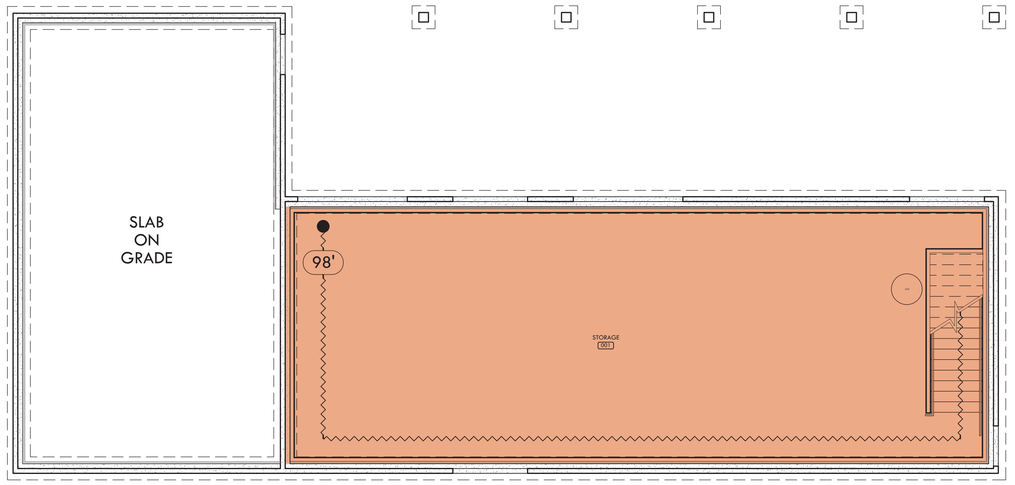
SECTION	REGULATION	REQUIRED/ALLOWED	PROVIDED
404.2.5	DOORS IN A SERIES	SWINGING AWAY FROM EACH OTHER SHALL HAVE A CLEAR FLOOR AREA OF 60 INCHES WIDE BY 64 INCHES LENGTH BETWEEN DOORS SWINGING TOWARDS EACH OTHER SHALL HAVE A CLEAR FLOOR AREA OF 60 INCHES WIDE BY THE DOOR WIDTH PLUS THE DOOR WIDTH PLUS 48 INCHES LENGTH BETWEEN DOORS SWINGING THE SAME DIRECTION SHALL HAVE A CLEAR FLOOR AREA OF 60 INCHES WIDE BY THE DOOR WIDTH PLUS 48 INCHES LENGTH BETWEEN DOORS	AS REQUIRED
404.2.6	DOOR AND GATE HARDWARE	MOUNTING HEIGHT FROM 34 INCHES MINIMUM TO 48 INCHES MAXIMUM	AS REQUIRED
404.2.9	DOOR AND GATE SURFACES	WITHIN 10 INCHES OF THE FLOOR SHALL BE SMOOTH ON THE PUSH SIDE FOR THE FULL WIDTH OF THE DOOR	AS REQUIRED
602.2.1	DRINKING FOUNTAINS CLEAR FLOOR SPACE	CLEAR FLOOR SPACE FOR A FORWARD APPROACH CENTERED ON THE DRINKING FOUNTAIN SHALL BE PROVIDED	AS REQUIRED
603.2.1	TOILET ROOM TURNING SPACE	REQUIRED TURNING SPACE SHALL BE PROVIDED WITHIN THE ROOM. TURNING SPACE IS NOT REQUIRED WITHIN A TOILET COMPARTMENT	AS REQUIRED
603.2.2	TOILET ROOM DOOR SWING	DOORS SHALL NOT SWING INTO ANY CLEAR FLOOR SPACE OR FIXTURE CLEARANCE AREA. EXCEPTION: WHERE ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE AS REQUIRED BY 305.3 IS PROVIDED BEYOND THE ARC OF THE DOOR SWING	AS REQUIRED
604.9.2.1	WHEELCHAIR TOILET COMPARTMENT MINIMUM AREA	MINIMUM INTERIOR AREA OF A WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT SHALL BE 60" MINIMUM WIDTH AND 59" MINIMUM DEPTH	AS REQUIRED
608.2.2.1	SHOWER COMPARTMENT SIZE AND CLEARANCES	MINIMUM INTERIOR AREA OF A WHEELCHAIR ACCESSIBLE ROLL-IN SHOWER COMPARTMENT SHALL BE 60" MINIMUM LENGTH AND 30" MINIMUM DEPTH. MINIMUM CLEAR FLOOR AREA AT THE OPEN FACE OF THE ROLL-IN SHOWER COMPARTMENT SHALL BE 60" MINIMUM LENGTH AND 30" MINIMUM DEPTH.	AS REQUIRED
608.2.2.3	SHOWER SEAT	A FOLDING SEAT SHALL BE PROVIDED ON THE SHOWER END WALL OPPOSITE THE CONTROLS WALL	AS REQUIRED
703	SIGNS	SIGNS SHALL COMPLY WITH SECTION 703. TACTILE SIGNS SHALL CONTAIN BOTH RAISED CHARACHTERS AND BRAILLE. EXTERIOR AND INTERIOR SIGNS IDENTIFYING PERMENANT ROOMS SHALL BE PROVIDED.	AS REQUIRED
904.4	SALES AND SERVICE COUNTERS	SALES COUNTERS AND SERVICE COUNTERS SHALL COMPLY WITH 904.4.1 OR 904.4.2. THE ACCESSIBLE PORTION OF THE COUNTER TOP SHALL EXTEND THE SAME DEPTH AS THE SALES OR SERVICE COUNTER TOP.	AS REQUIRED
904.4.1	PARALLEL APPROACH	A PORTION OF THE COUNTER SURFACE THAT IS 36 INCHES LONG MIN AND 36 INCHES HIGH MAX ABOVE THE FINISH FLOOR SHALL BE PROVIDED. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE POSITIONED FOR A PARALLEL APPROACH ADJACENT TO THE 36 INCH MIN LENGTH OF COUNTER.	AS REQUIRED



ATTIC /MECHANICAL SPACE PLAN
CR1.1 SCALE: NOT TO SCALE



1ST FLOOR PLAN
CR1.1 SCALE: NOT TO SCALE



BASEMENT PLAN
CR1.1 SCALE: NOT TO SCALE

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HOPYARD GOLF CLUB
Proposed Pool House
1 Hopyard Road
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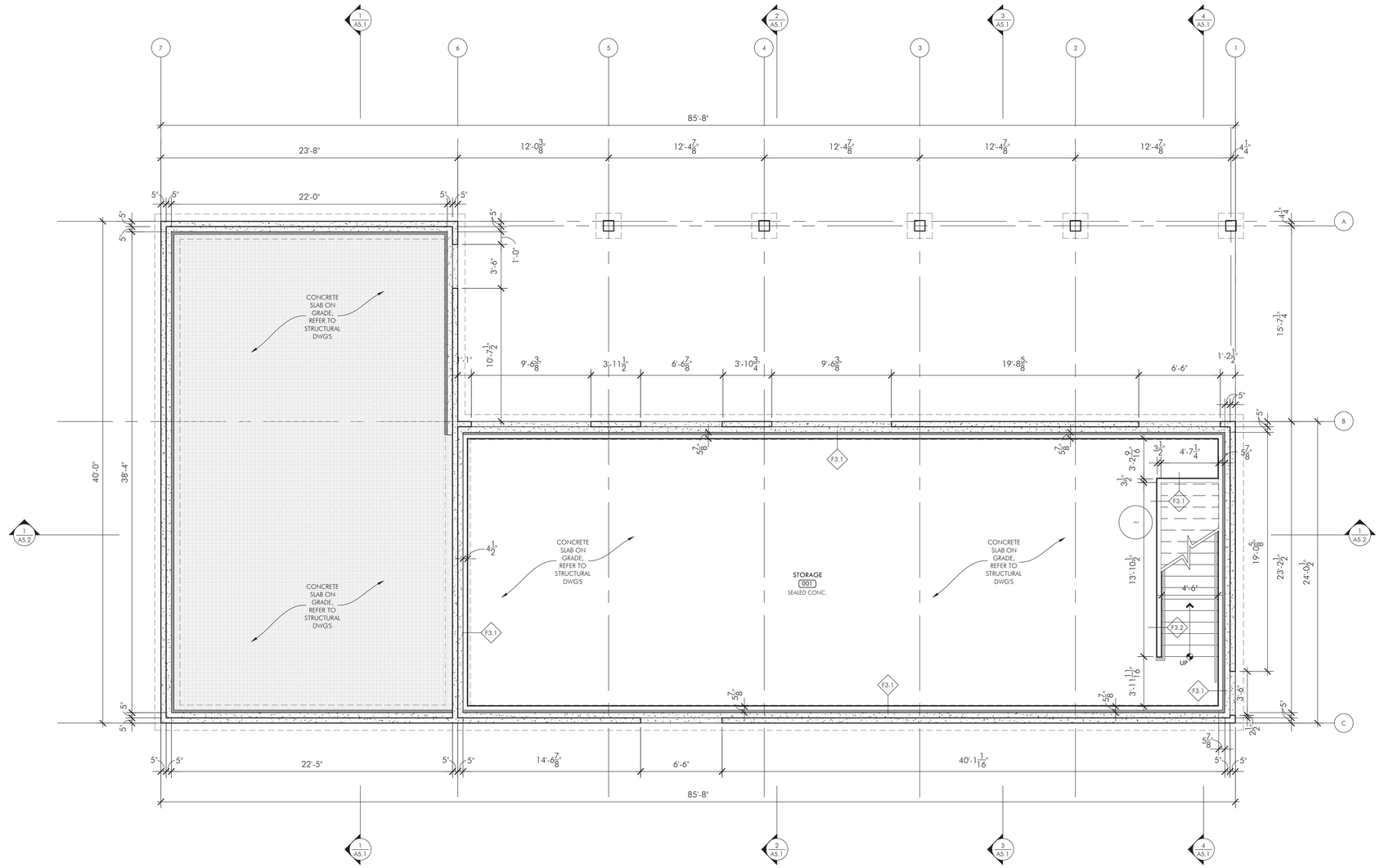
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STATE OF CONNECTICUT
DANIEL R. GUNDLACH
LICENSED ARCHITECT

LIFE SAFETY PLAN
CODE REVIEW

Project Number
2023.054
Drawing Scale
1/8"=1'-0"
Drawn By
RMY
Checked By
GMc
Date Issued
5/7/24

CR1.1



1 / A5.1 FOUNDATION/BASEMENT PLAN
SCALE: 1/4" = 1' - 0"

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STATE OF CONNECTICUT
DANIEL R. DUDA
REGISTERED ARCHITECT

FOUNDATION PLAN

Project Number
2023.054

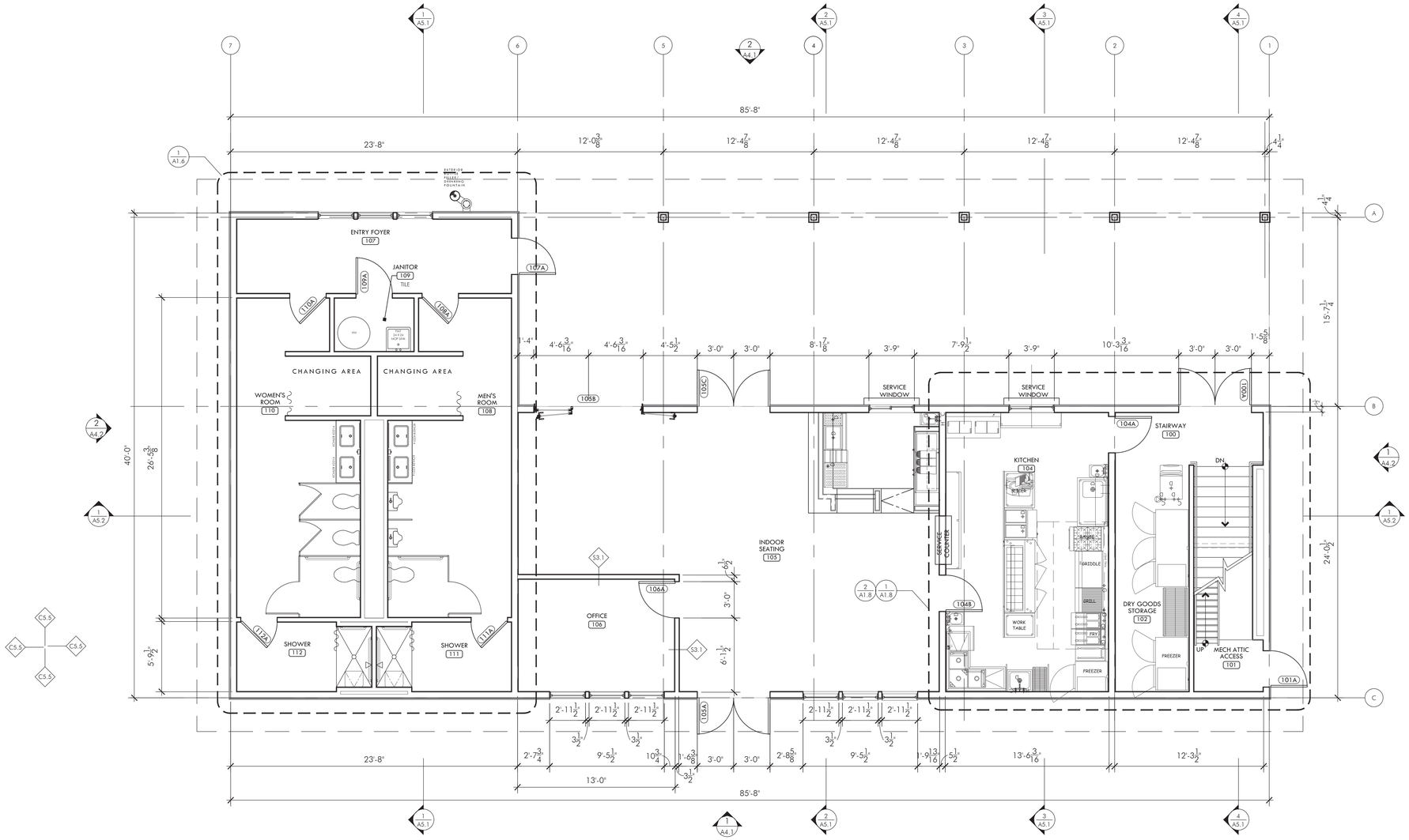
Drawing Scale
1/4"=1'-0"

Drawn By
RMY

Checked By
GMc

Date Issued
5/7/24

A1.1



1 / A1.2	1ST FLOOR PLAN SCALE: 1/4" = 1' - 0"

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FIRST FLOOR PLAN

Project Number
2023.054

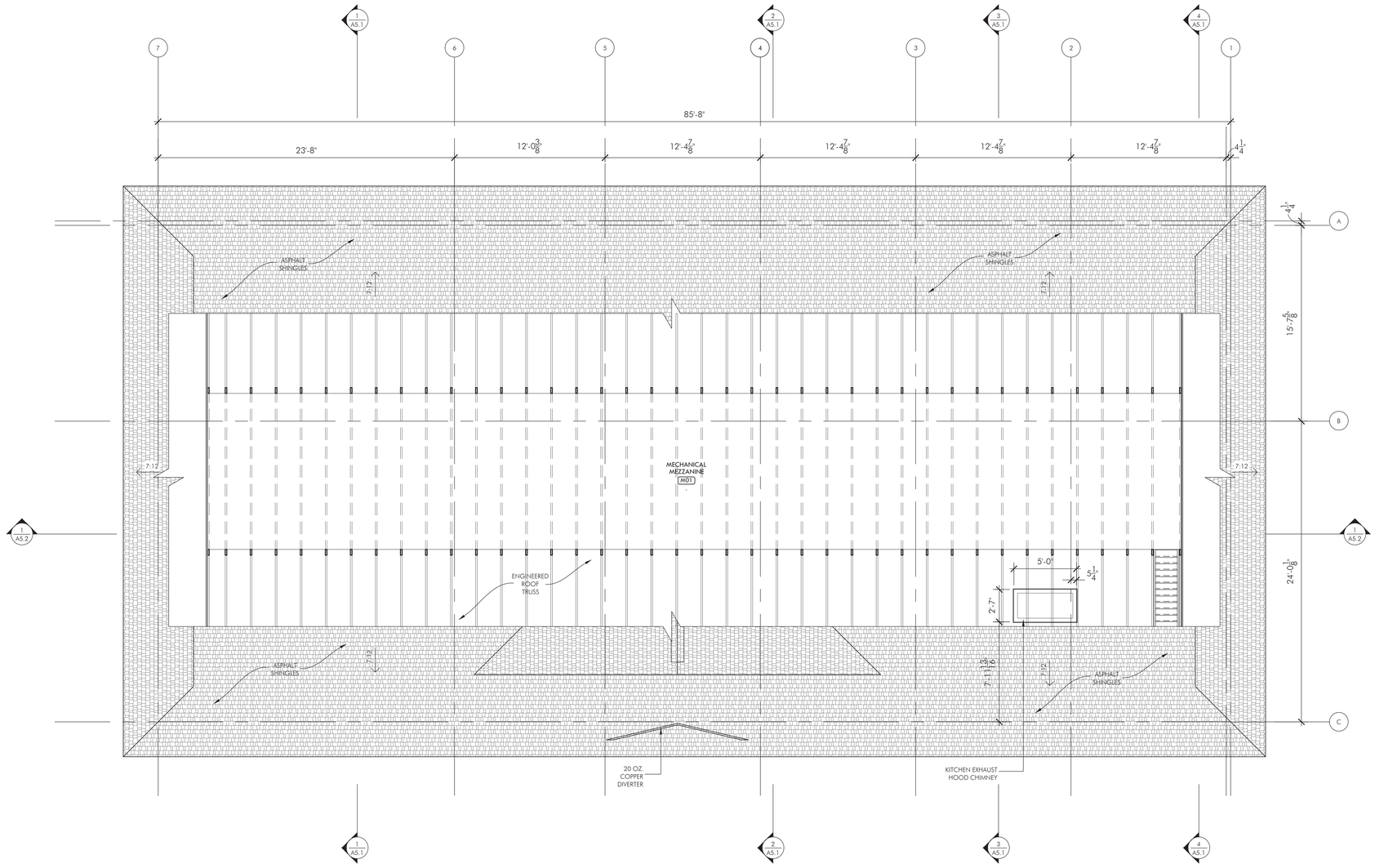
Drawing Scale
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A1.2



1 A1.3 ATTIC / MECHANICAL ROOM PLAN
SCALE: 1/4" = 1' - 0"

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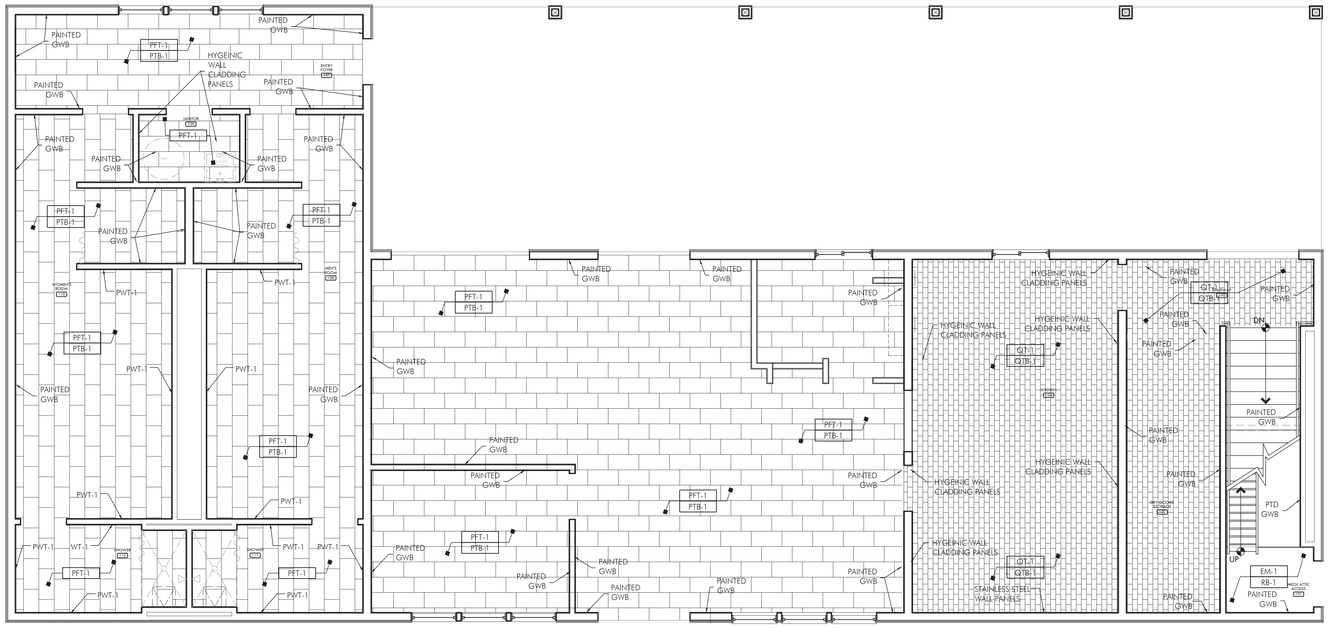
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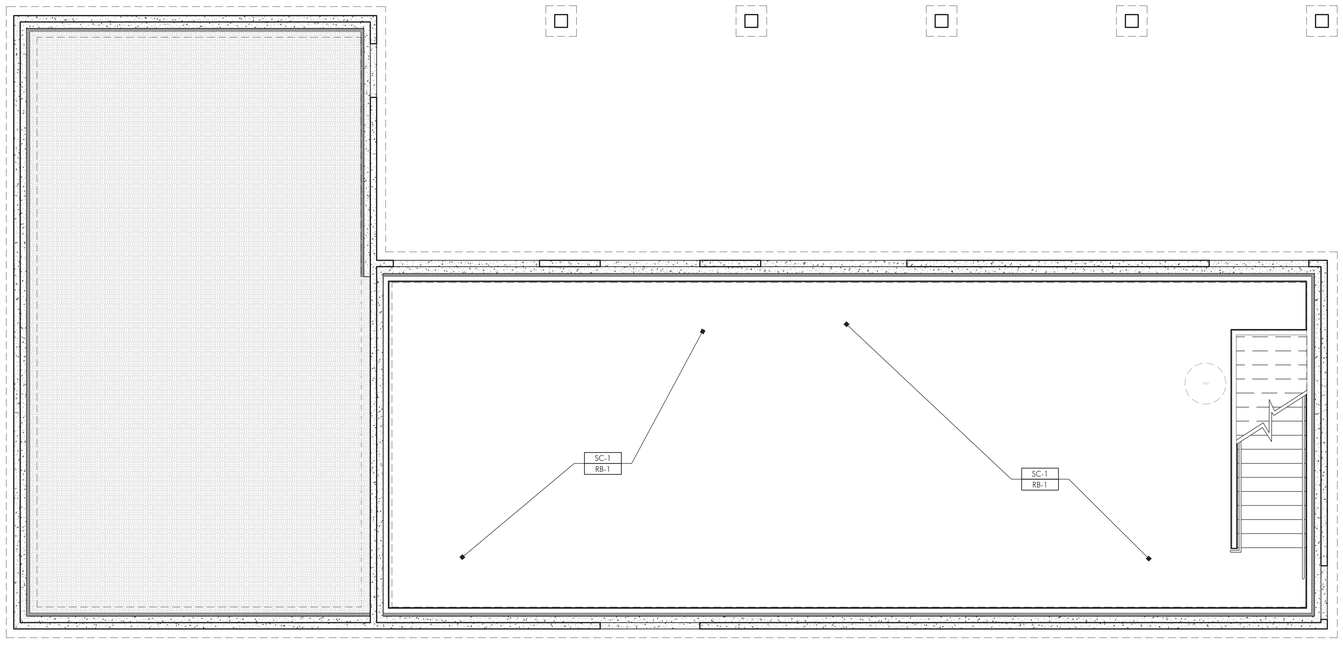
ATTIC / MECHANICAL ROOM PLAN

Project Number 2023.054
Drawing Scale 1/4"=1'-0"
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A1.3



1 A1.4 FIRST FLOOR FINISH PLAN
SCALE: 1/4" = 1' - 0"



1 A1.4 BASEMENT FINISH PLAN
SCALE: 1/4" = 1' - 0"

FINISH MATERIALS SCHEDULE

CODE	PRODUCT	MFR.	PRODUCT	COLOR	SIZE	GROUT
SS-1	SOLID SURFACE PANEL	CORIAN	SOLID SURFACE	RAIN CLOUD	1/2" THICKNESS	
SS-2	SOLID SURFACE PANEL	CORIAN	SOLID SURFACE	GLACIER WHITE		
SC-1	SEALED CONCRETE	CURECRETE DISTRIBUTION	ASHFORD FORMULA	CLEAR		
PTB-1	PORCELAIN TILE BASE	TRINITY TILE	HILS	CHARCOAL	6" x 24", CUT FROM FULL TILE	GR-1
PFT-1	PORCELAIN FLOOR TILE	TRINITY TILE	HILS	CHARCOAL	12" x 24"	GR-1
PWT-1	PORCELAIN FLOOR TILE	TRINITY TILE	HILS	GREY	6" x 12"	GR-2
QT-1	QUARRY TILE	TRINITY TILE	QUARRY	RAVEN	4" x 8"	GR-3
GR-1	GROUT	CUSTOM BUILDING PRODUCTS	FUSION PRO	COLOR 19: PEWTER		
GR-2	GROUT	CUSTOM BUILDING PRODUCTS	FUSION PRO	COLOR 165: DELOREAN GRAY		
GR-3	GROUT	CUSTOM BUILDING PRODUCTS	FUSION PRO	COLOR 60: CHARCOAL		
PT-1	PAINT	BENJAMIN MOORE PAINTS	REFER TO SPECIFICATIONS	OC-37 GLACIER WHITE		
PT-2	PAINT	BENJAMIN MOORE PAINTS	REFER TO SPECIFICATIONS	OC-152 SUPER WHITE		
PT-3	PAINT	BENJAMIN MOORE PAINTS	REFER TO SPECIFICATIONS	2137-40 DESERT TWILIGHT		
PT-4	PAINT	BENJAMIN MOORE PAINTS	REFER TO SPECIFICATIONS	OC-52 GRAY OWL		

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	CEILING	REMARKS
BASEMENT									
001	STORAGE	S. CONC	-	PTD PLYWOOD	PTD PLYWOOD	PTD PLYWOOD	PTD PLYWOOD	EXPOSED	
MAIN LEVEL									
100	STAIRWAY	VCT/RUBBER	RCB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GWB	
101	MECH. ATTIC ACCESS	VCT	RCB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	EXPOSED	
102	DRY GOODS STORAGE	VCT	RCB	HYGIENIC WALL	HYGIENIC WALL	HYGIENIC WALL	HYGIENIC WALL	GWB	
103	WALK-IN REFRIDGERATOR	RUBBER	RUBBER	HYGIENIC WALL	HYGIENIC WALL	HYGIENIC WALL	HYGIENIC WALL	GWB	
104	KITCHEN	Q. TILE	Q. TILE	HYGIENIC WALL	HYGIENIC WALL	HYGIENIC WALL	HYGIENIC WALL	GWB	
105	INDOOR SEATING	TILE	TILE	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GWB	
106	OFFICE	TILE	TILE	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GWB	
107	ENTRY FOYER	TILE	TILE	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GWB	
108	MEN	TILE	TILE	TILE/PTD GWB	TILE/PTD GWB	TILE/PTD GWB	TILE/PTD GWB	GWB	TILE ON WET WALLS
109	JANITOR'S CLOSET	TILE	TILE	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GWB	
110	WOMEN	TILE	TILE	TILE/PTD GWB	TILE/PTD GWB	TILE/PTD GWB	TILE/PTD GWB	GWB	TILE ON WET WALLS
111	SHOWER	TILE	TILE	TILE	TILE	TILE	TILE	GWB	SOLID SURFACE IN SHOWER
112	SHOWER	TILE	TILE	TILE	TILE	TILE	TILE	GWB	SOLID SURFACE IN SHOWER
MEZZANINE LEVEL									
M01	MECHANICAL	¾" PLYWOOD	-	-	-	-	-	EXPOSED	

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STATE OF CONNECTICUT DANIEL R. GUIDERA REGISTERED ARCHITECT

FINISH PLAN
BASEMENT AND FIRST FLOOR

Project Number
2023.054

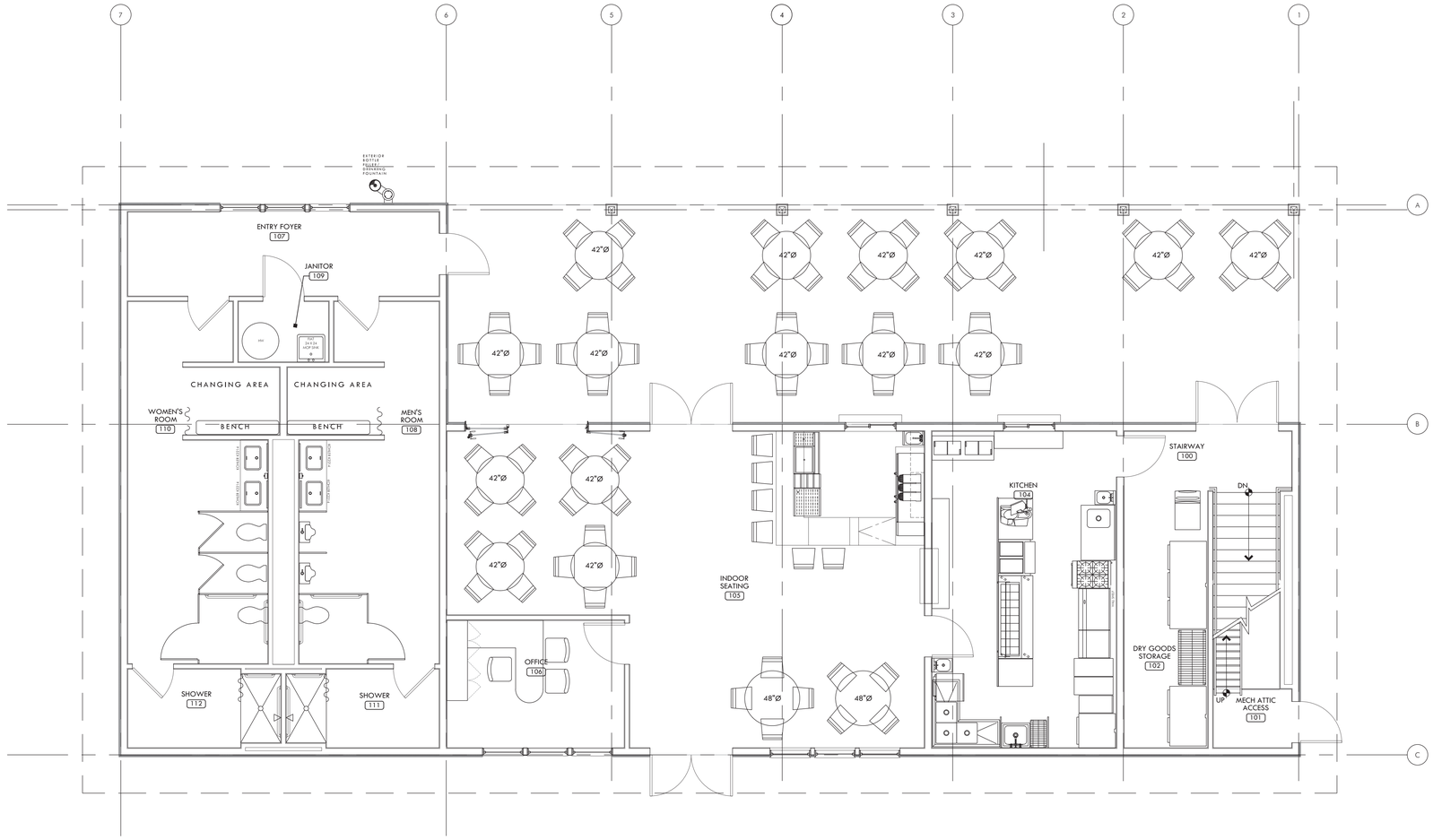
Drawing Scale
1/4"=1'-0"

Drawn By
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GMc

Date Issued
09/13/23

A1.4



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DANIEL R. GUSMINI
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FIRST FLOOR FURNITURE AND EQUIPMENT PLAN

Project Number
2023.054

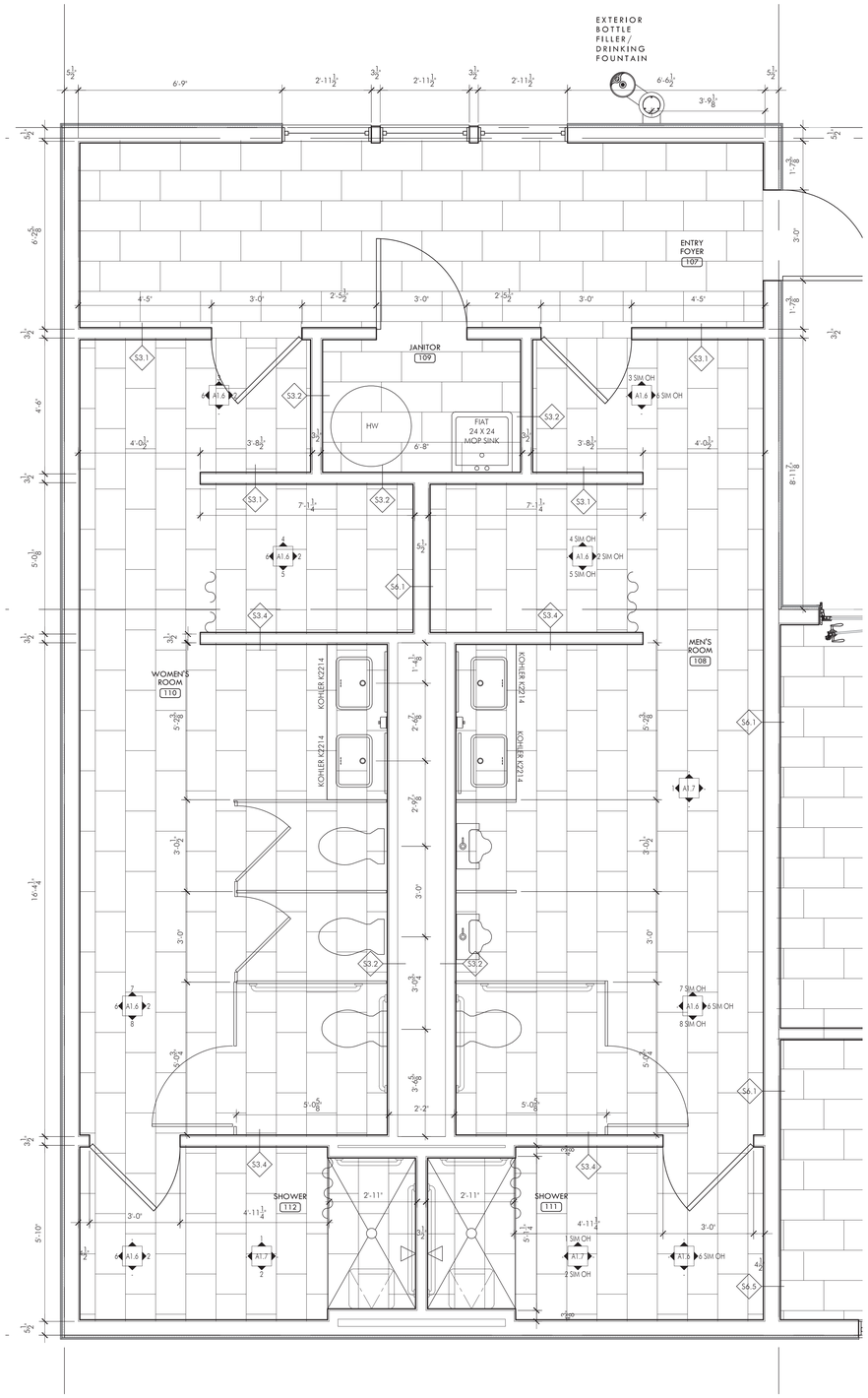
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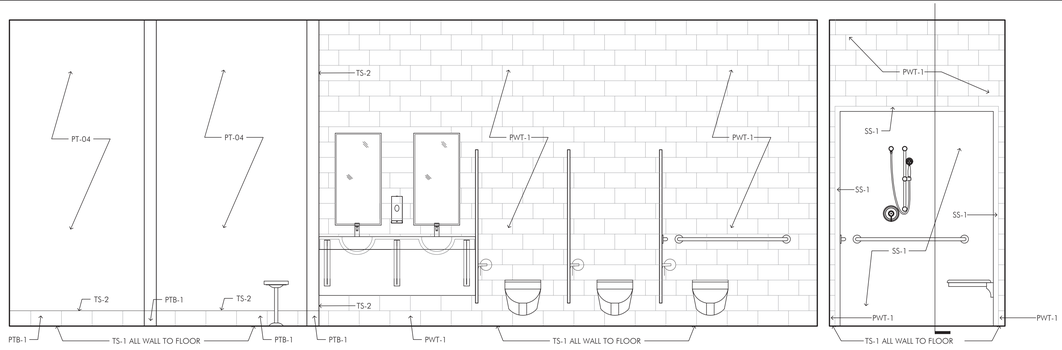
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5/7/24

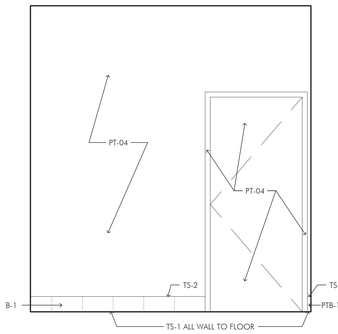
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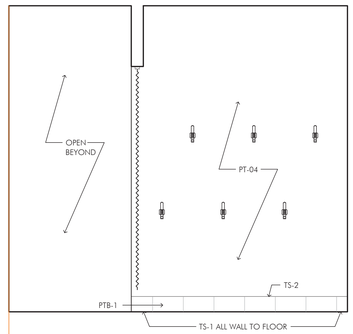
1 A1.6 ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1' - 0"



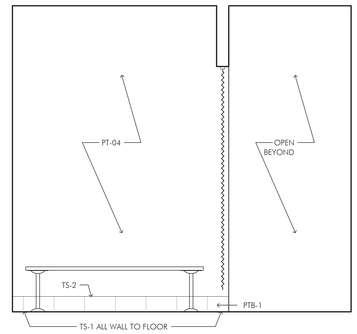
2 A1.6 RESTROOM WET WALL - WOMEN'S
SCALE: 1/2" = 1'-0"



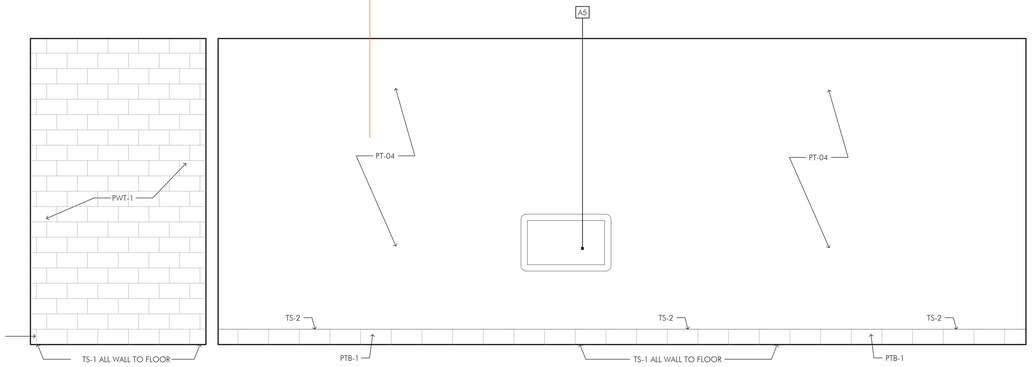
3 A1.6 ELEVATION @ RESTROOM ENTRY
SCALE: 1/2" = 1'-0"



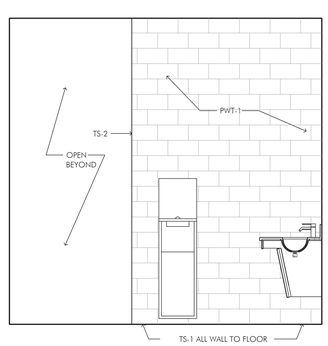
4 A1.6 ELEVATION @ CHANGING AREA
SCALE: 1/2" = 1'-0"



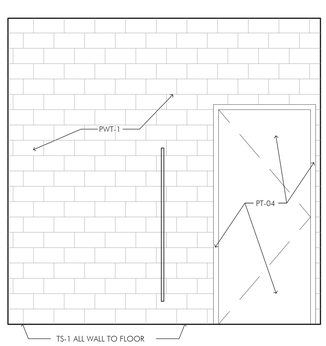
5 A1.6 ELEVATION @ CHANGING AREA
SCALE: 1/2" = 1'-0"



6 A1.6 ELEVATION @ RESTROOM
SCALE: 1/2" = 1'-0"



7 A1.6 ELEVATION @ RESTROOM
SCALE: 1/2" = 1'-0"



8 A1.6 ELEVATION @ RESTROOM
SCALE: 1/2" = 1'-0"

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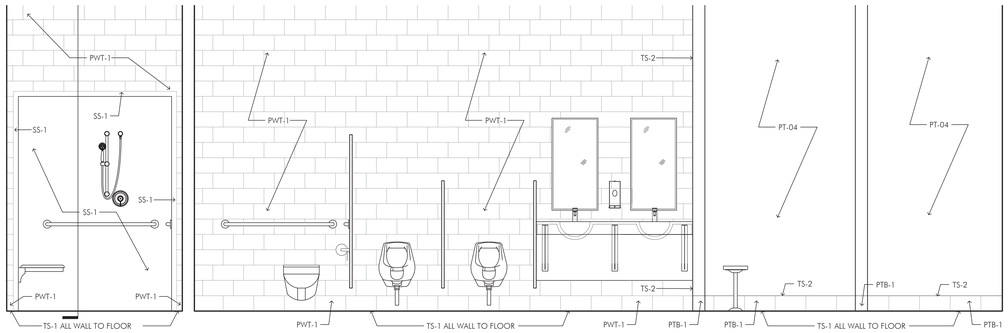
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STATE OF CONNECTICUT DANIEL R. GIMA 30 REGISTERED LICENSED ARCHITECT

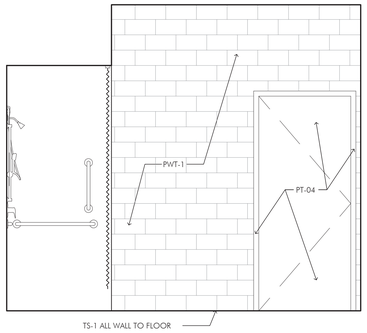
ENLARGED FLOOR PLAN
INTERIOR ELEVATIONS

Project Number 2023.054
Drawing Scale AS NOTED
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

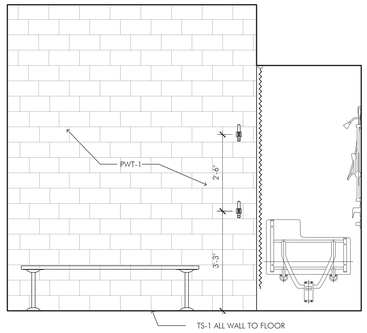
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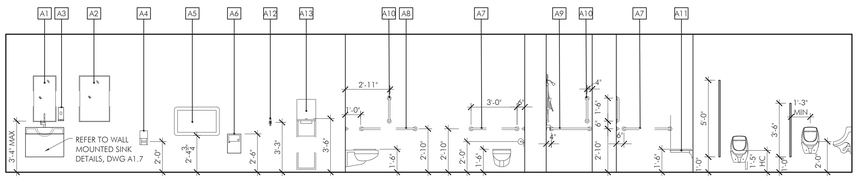
1 A1.7 — RESTROOM WET WALL - MEN'S
SCALE: 1/2" = 1'-0"



2 A1.7 — ELEVATION @ SHOWER ROOM
SCALE: 1/2" = 1'-0"



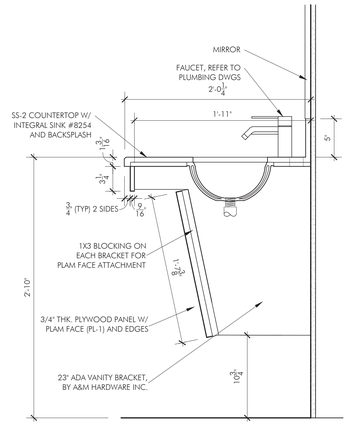
3 A1.7 — ELEVATION @ SHOWER ROOM
SCALE: 1/2" = 1'-0"



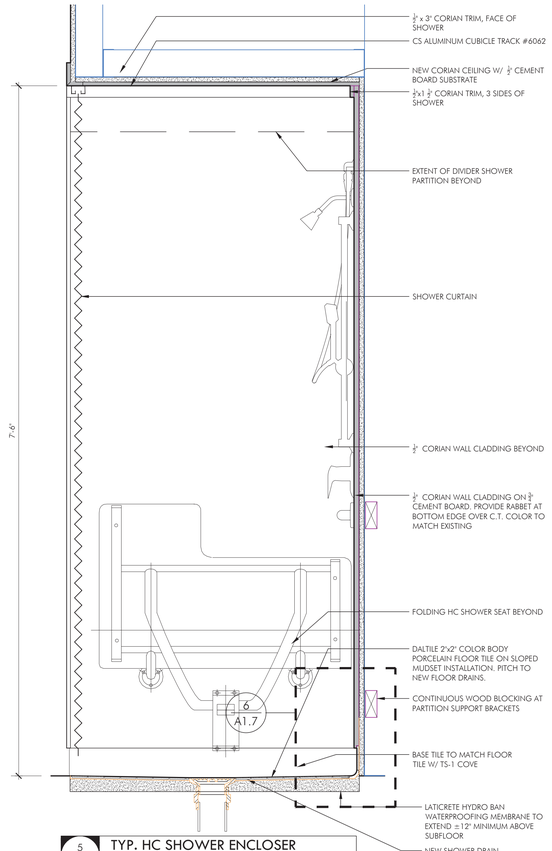
TYPICAL MOUNTING HEIGHTS

TOILET ACCESSORIES LEGEND

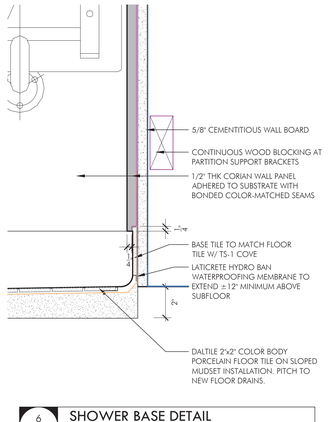
TAG	MODEL NUMBER	SYMBOL	ITEM DESCRIPTION
A1	BOBRICK B-165-1836		STAINLESS STEEL MIRROR
A2	BOBRICK B-165-2436		STAINLESS STEEL MIRROR
A3	SOAP DISPENSER		WALL-MOUNT LIQUID SOAP DISPENSER
A4	BOBRICK B-4288		TOILET TISSUE DISPENSER
A5	BOBRICK B-???		BABY CHANGING STATION - STAINLESS STEEL
A6	BOBRICK B-254		NAPKIN RECEPTACLE - STAINLESS STEEL
A7	GRAB BAR		BOBRICK B-5806 36" - STAINLESS STEEL
A8	GRAB BAR		BOBRICK B-5806 42" - STAINLESS STEEL
A9	GRAB BAR		BOBRICK B-5806 24" TO 30" - STAINLESS STEEL
A10	GRAB BAR		BOBRICK B-5806 18" - STAINLESS STEEL
A11	BOBRICK B-517/518		PADDED FOLDING SHOWER SEAT



4 A1.7 — TYP. HC SINK
SCALE: 1 1/2"=1'-0"



5 A1.7 — TYP. HC SHOWER ENCLOSER
SCALE: 1 1/2"=1'-0"



6 A1.7 — SHOWER BASE DETAIL
SCALE: 3"=1'-0"

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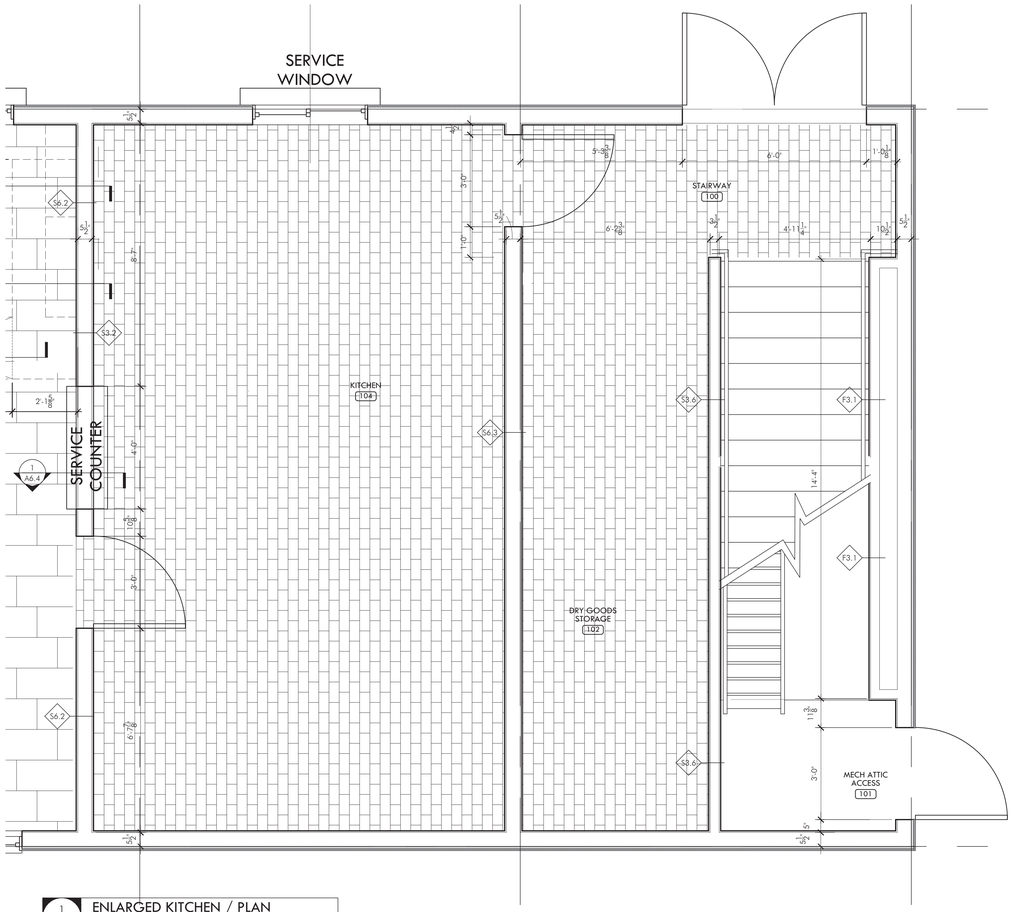
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STATE OF CONNECTICUT · DANIEL R. GUIDERA · REGISTERED ARCHITECT

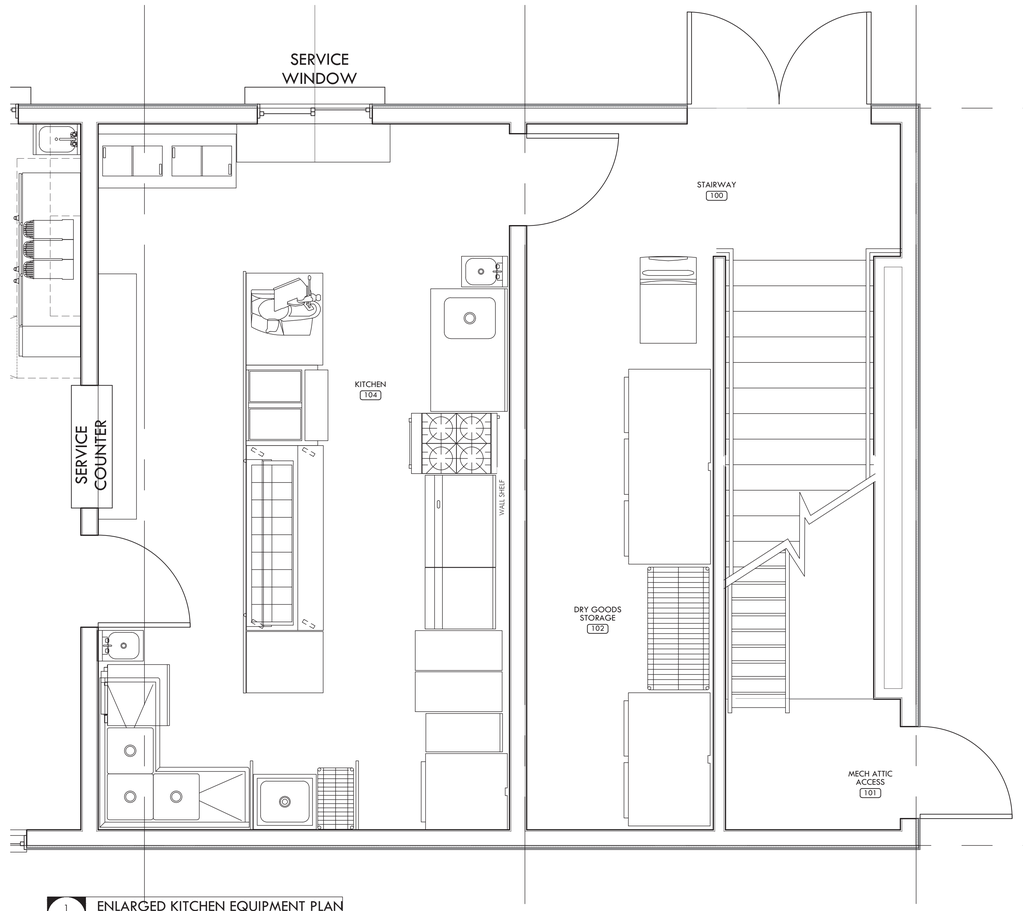
INTERIOR ELEVATIONS
TOILET ACCESSORIES
VANITY AND SHOWER DETAILS

Project Number 2023.054
Drawing Scale AS NOTED
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A1.7



1 A1.8 ENLARGED KITCHEN / PLAN
SCALE: 1/2" = 1' - 0"



1 A1.8 ENLARGED KITCHEN EQUIPMENT PLAN
SCALE: 1/2" = 1' - 0"

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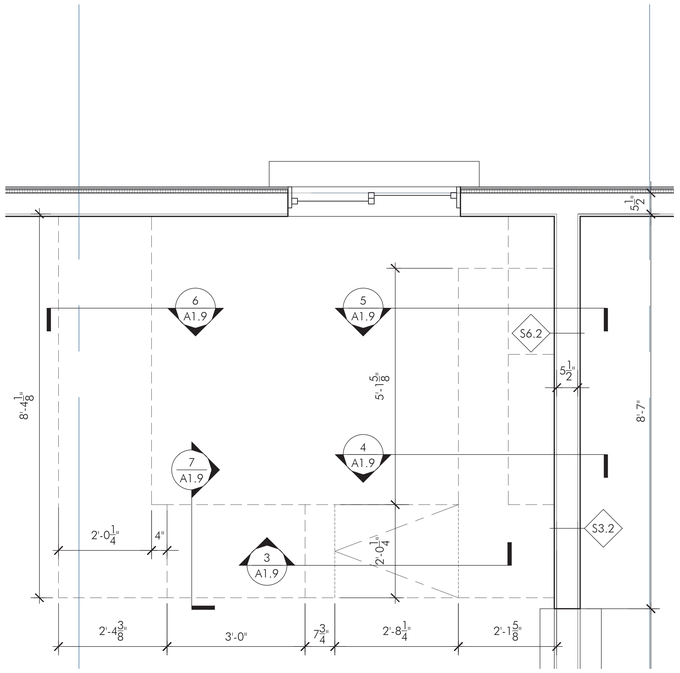
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STATE OF CONNECTICUT DANIEL R. QUINN 21,601 REGISTERED ARCHITECT

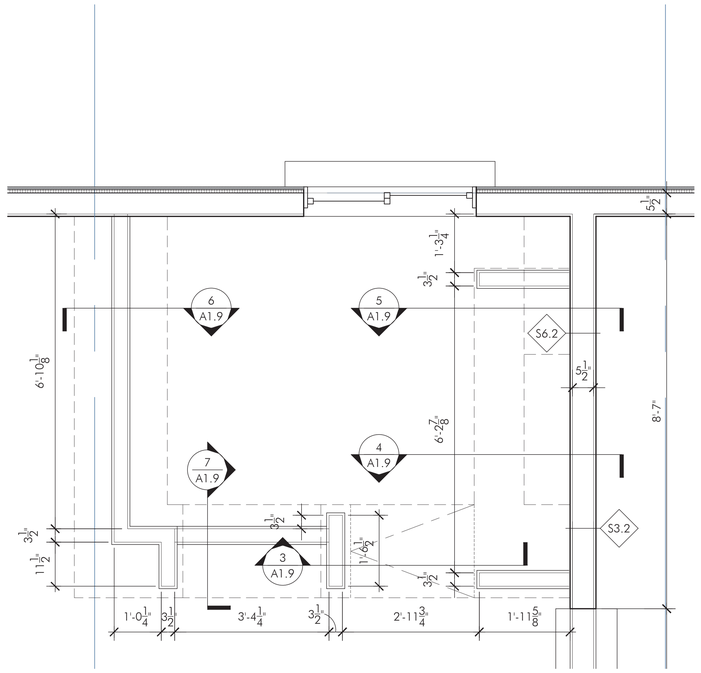
FIRST FLOOR PLAN
ENLARGED KITCHEN PLAN

Project Number 2023.054
Drawing Scale AS NOTED
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

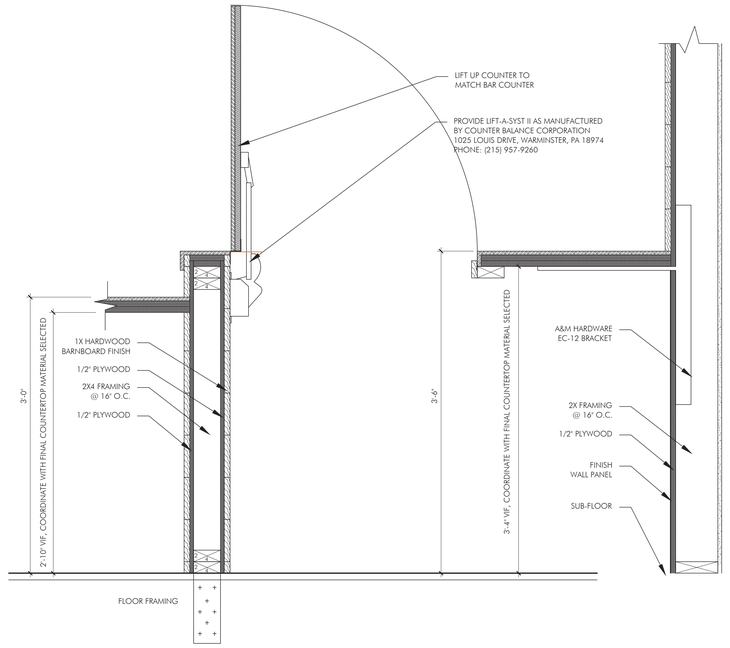
A1.8



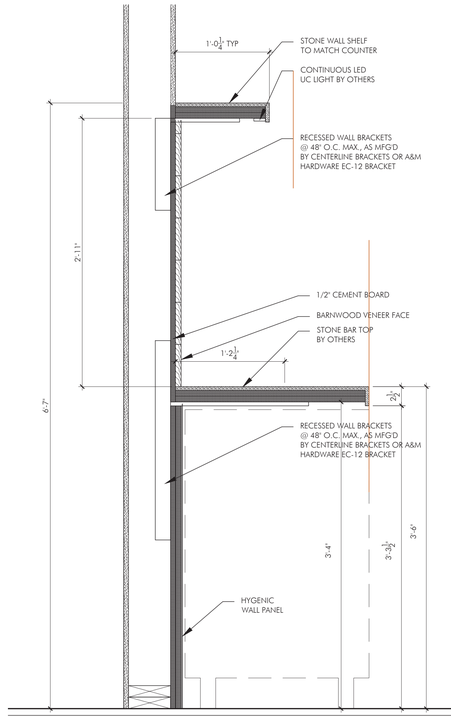
1 A1.9 ENLARGED BAR AREA - COUNTER
SCALE: 3/4" = 1' - 0"



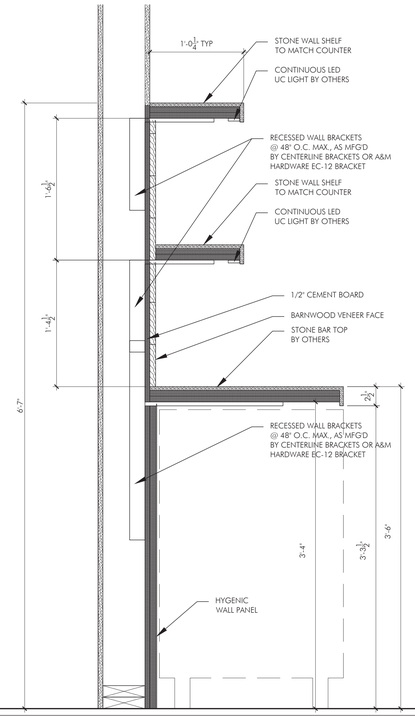
1 A1.9 ENLARGED BAR AREA - FRAMING
SCALE: 3/4" = 1' - 0"



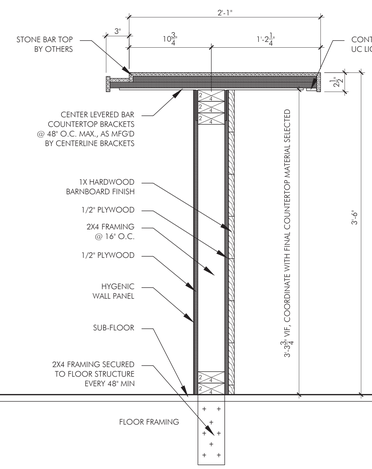
3 A1.9 BAR DETAIL - WALK-THRU
SCALE: 1 1/2" = 1' - 0"



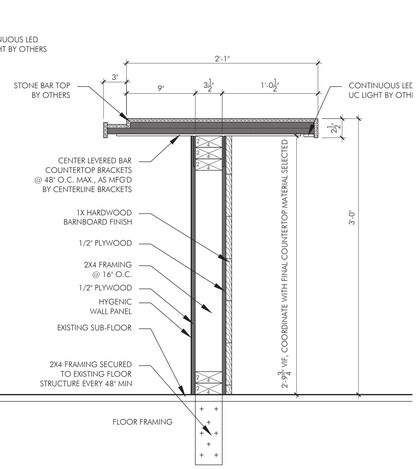
4 A1.9 BAR BACK DETAIL @ SINGLE SHELF
SCALE: 1 1/2" = 1' - 0"



5 A1.9 BAR BACK DETAIL @ DOUBLE SHELF
SCALE: 1 1/2" = 1' - 0"



6 A1.9 BAR DETAIL @ HIGH SECTION
SCALE: 1 1/2" = 1' - 0"



7 A1.9 BAR DETAIL @ ADA LOW SECTION
SCALE: 1 1/2" = 1' - 0"

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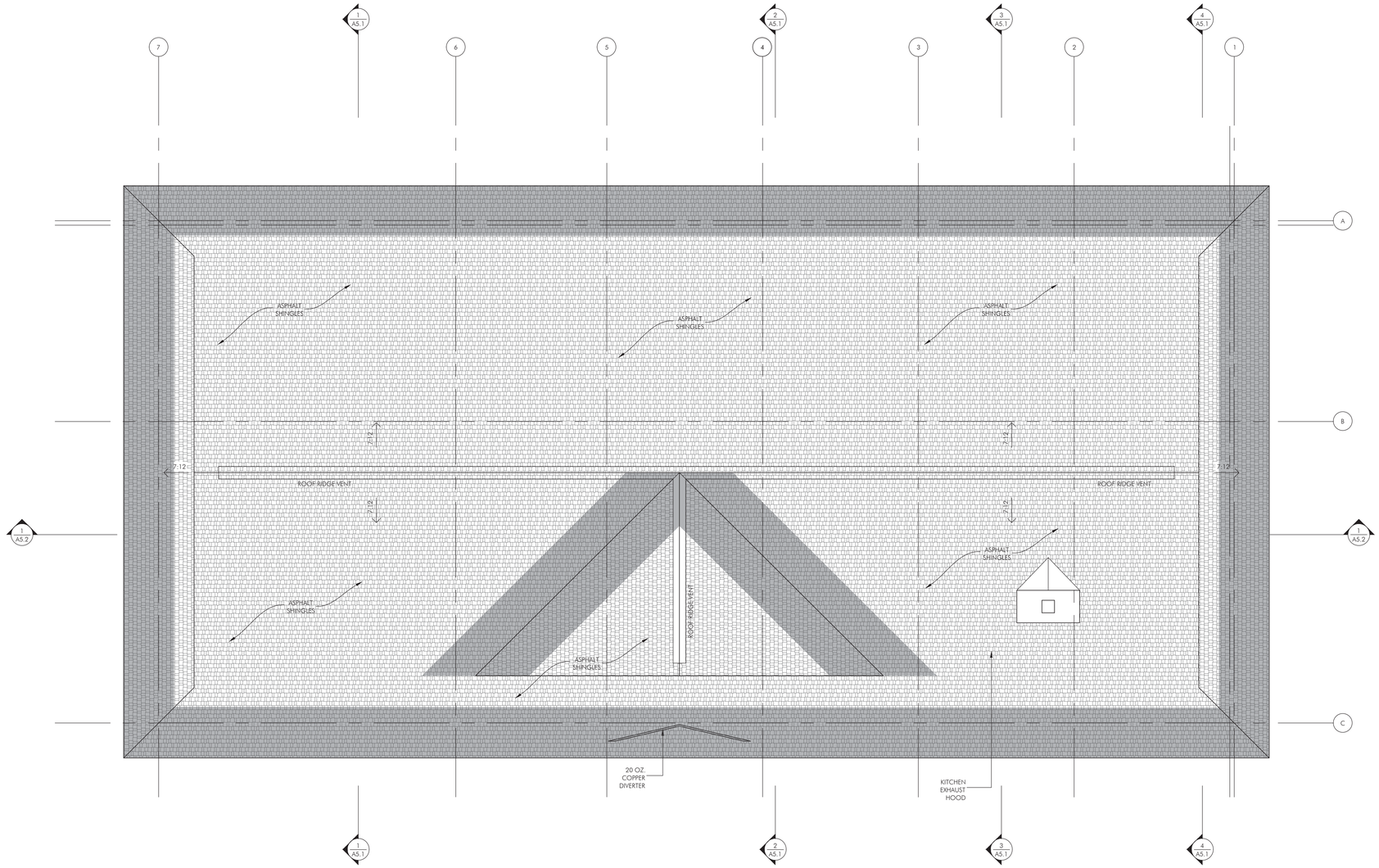
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STATE OF CONNECTICUT DANIEL R. GUIDERA REGISTERED ARCHITECT

FIRST FLOOR PLAN
ENLARGED BAR PLAN
ENLARGED BAR DETAILS

Project Number 2023.054
Drawing Scale AS NOTED
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A1.9



ROOF LEGEND

- ARCHITECTURAL ASPHALT SHINGLE ROOF
- ICE & WATER BARRIER

GENERAL NOTES

1. PROVIDE ICE BARRIER AT ALL EAVES, EXTEND 2'-0" MIN. INSIDE EXTERIOR WALL LINE PER IBC 2021 § 1507.1.2
2. PROVIDE ICE BARRIER AT ALL VALLEYS WITH A MINIMUM COVERAGE OF 1'-6" ON EACH SIDE OF VALLEY.

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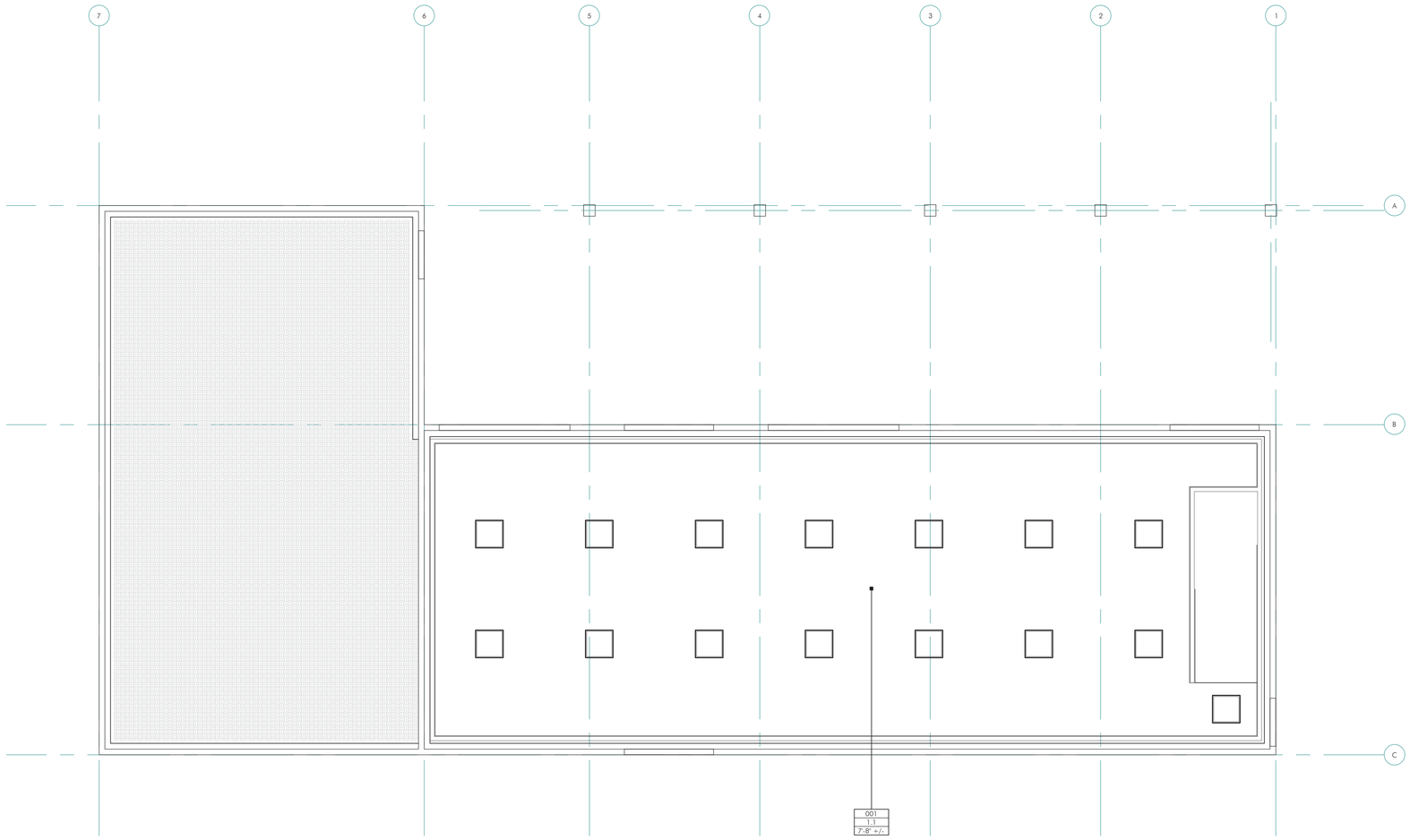
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STATE OF CONNECTICUT DANIEL R. QUIRK LICENSED ARCHITECT

ROOF PLAN

Project Number 2023.054
Drawing Scale 1/4"=1'-0"
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A2.1



1 A3.1 BASEMENT REFLECTED CEILING PLAN
SCALE: 1/4" = 1' - 0"

CEILING GENERAL NOTES

1. MECHANICAL DIFFUSERS & REGISTERS INDICATED ON THE REFLECTED CEILING PLAN ARE FOR COORDINATION AND LOCATION PURPOSES ONLY. SEE THE MECHANICAL DRAWINGS FOR MORE INFORMATION.

MECHANICAL NOTES

1. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

ELECTRICAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

FIRE PROTECTION NOTES

1. REFER TO FIRE PROTECT DRAWINGS FOR MORE INFORMATION.

FINISH CEILING LEGEND

TYPE 1.1 - INTERIOR DRYWALL CEILING (PAINTED)

TYPE 1.2 - EXTERIOR CEMENT BOARD PANEL CEILING (PAINTED)

TYPE 2.1 - SOLID SURFACE PANEL

TYPE 3.1 - EXPOSED STRUCTURE

REFLECTED CEILING PLAN SYMBOLS

SHOWER / 1.1 / 7'-6" — ROOM NUMBER, CEILING TYPE, HEIGHT

TYPE / HEIGHT — SOFFIT TYPE, HEIGHT

PAINTED GWB CEILING/SOFFIT

NEW SPRINKLER HEAD

SPRINKLER SWING DOWN

SPRINKLER SWING UP

AIR SUPPLY DIFFUSERS (SEE MECHANICAL DRAWINGS)

RETURN AIR GRILL (SEE MECHANICAL DRAWINGS)

CEILING-MOUNTED ELECTRIC UNIT HEATER (SEE MECHANICAL DRAWINGS)

LIGHT FIXTURES (SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPE)

EXIT SIGN (SEE ELECTRICAL DRAWINGS)

CEILING-MOUNTED SPEAKER (SEE ELECTRICAL DRAWINGS)

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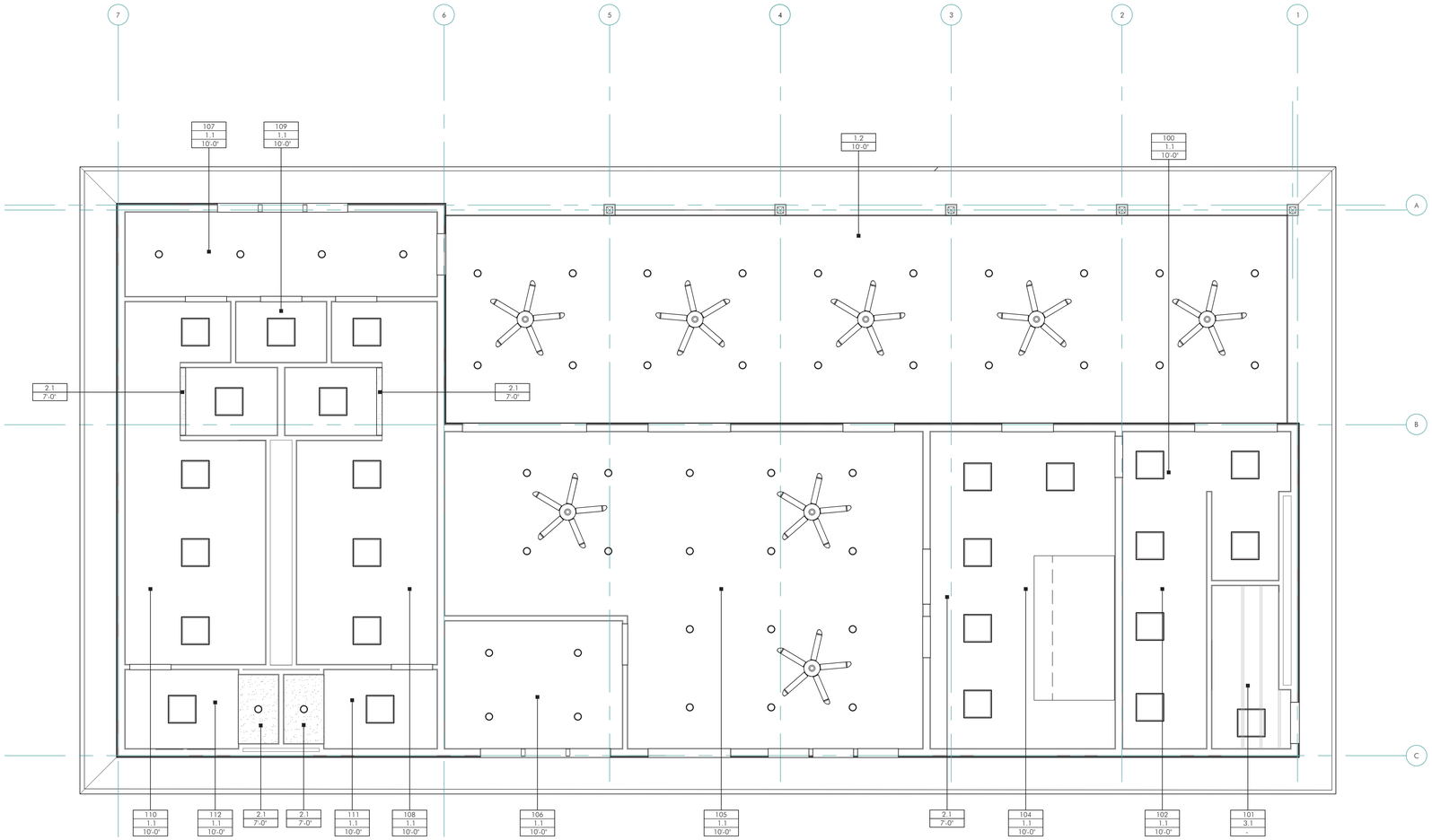
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STATE OF CONNECTICUT · DANIEL R. GUSTAFSON · 20911 · LICENSED ARCHITECT

BASEMENT
REFLECTED CEILING PLAN

Project Number 2023.054
Drawing Scale 1/4"=1'-0"
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A3.1



1 / A1.2 — 1ST FLOOR PLAN
SCALE: 1/4" = 1' - 0"

CEILING GENERAL NOTES

1. MECHANICAL DIFFUSERS & REGISTERS INDICATED ON THE REFLECTED CEILING PLAN ARE FOR COORDINATION AND LOCATION PURPOSES ONLY. SEE THE MECHANICAL DRAWINGS FOR MORE INFORMATION.

MECHANICAL NOTES

1. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

ELECTRICAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

FIRE PROTECTION NOTES

1. REFER TO FIRE PROTECT DRAWINGS FOR MORE INFORMATION.

FINISH CEILING LEGEND

TYPE 1.1 - INTERIOR DRYWALL CEILING (PAINTED)

TYPE 1.2 - EXTERIOR CEMENT BOARD PANEL CEILING (PAINTED)

TYPE 2.1 - SOLID SURFACE PANEL

TYPE 3.1 - EXPOSED STRUCTURE

REFLECTED CEILING PLAN SYMBOLS

- SHOWER / 1.1 / 7'-6" — ROOM NUMBER, CEILING TYPE, HEIGHT
- TYPE / HEIGHT — SOFFIT TYPE, HEIGHT
- PAINTED GWB CEILING/SOFFIT
- NEW SPRINKLER HEAD
- SPRINKLER SWING DOWN
- SPRINKLER SWING UP
- AIR SUPPLY DIFFUSERS (SEE MECHANICAL DRAWINGS)
- RETURN AIR GRILL (SEE MECHANICAL DRAWINGS)
- CEILING-MOUNTED ELECTRIC UNIT HEATER (SEE MECHANICAL DRAWINGS)
- LIGHT FIXTURES (SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPE)
- EXIT SIGN (SEE ELECTRICAL DRAWINGS)
- CEILING-MOUNTED SPEAKER (SEE ELECTRICAL DRAWINGS)

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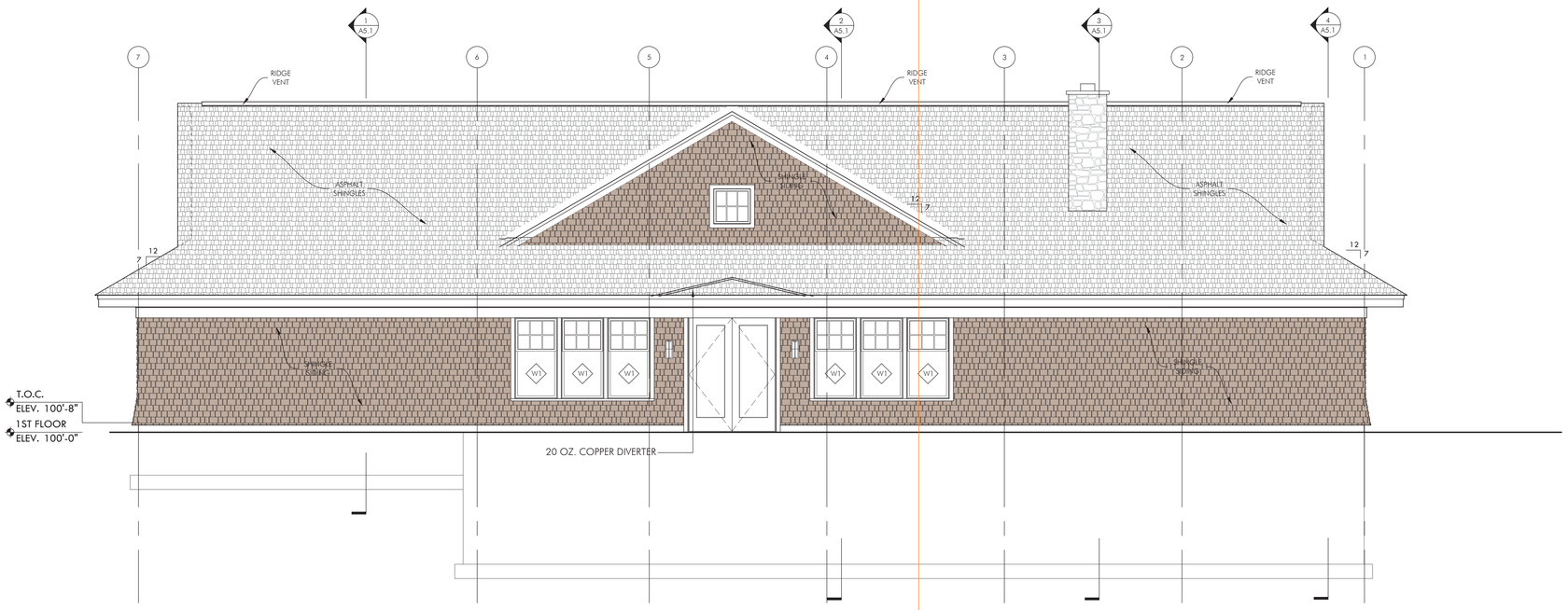
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STATE OF CONNECTICUT · DANIEL R. DUDA · 20891 · REGISTERED ARCHITECT

FIRST FLOOR
REFLECTED CEILING PLAN

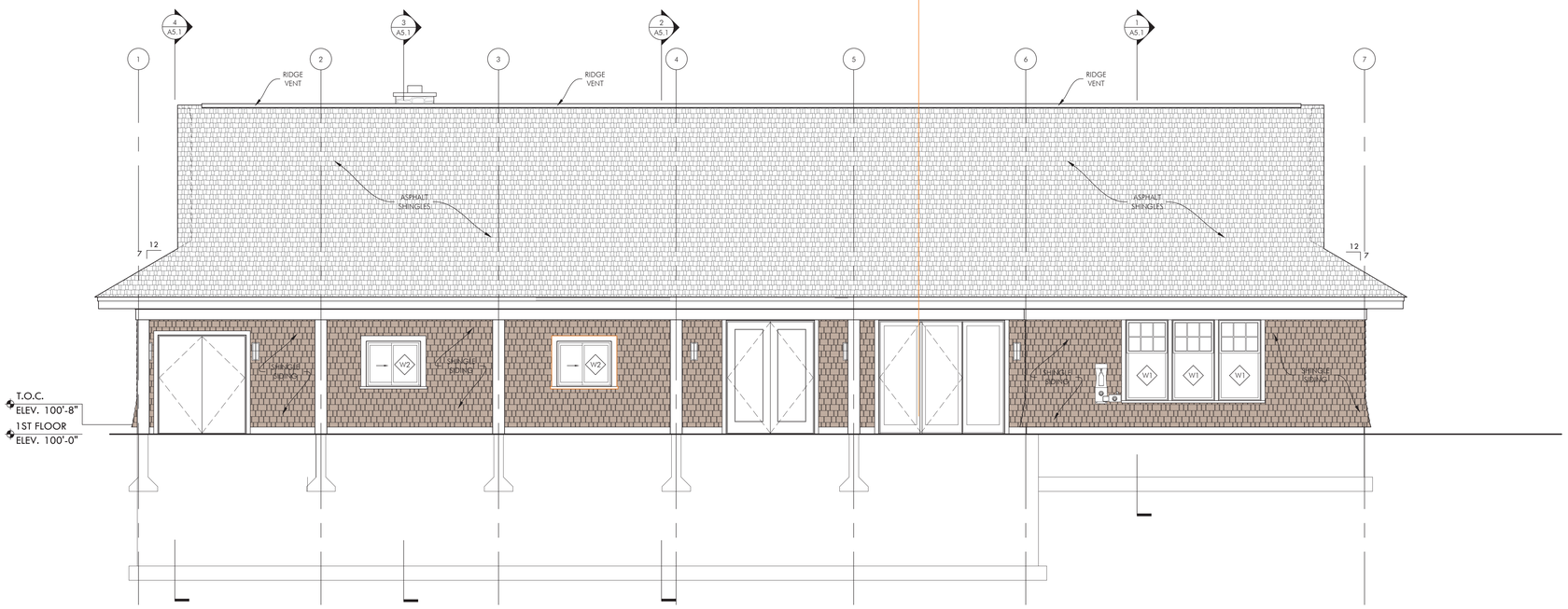
Project Number 2023.054
Drawing Scale 1/4"=1'-0"
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A3.2



1 A4 **ELEVATION**

SCALE: 3/16"=1'-0"



2 A4-1 **ELEVATION**

SCALE: 3/16"=1'-0"

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EXTERIOR ELEVATIONS

Project Number
2023.054

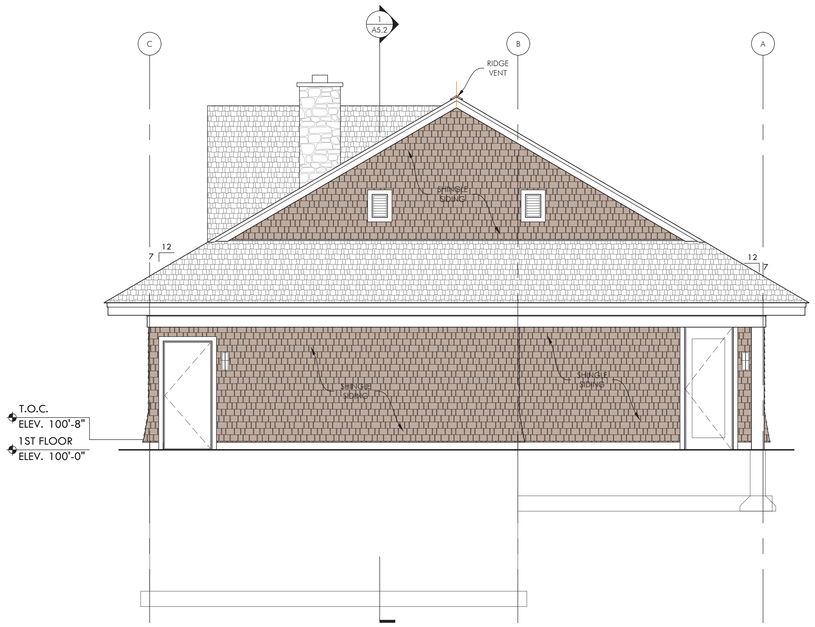
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Drawn By
RMY

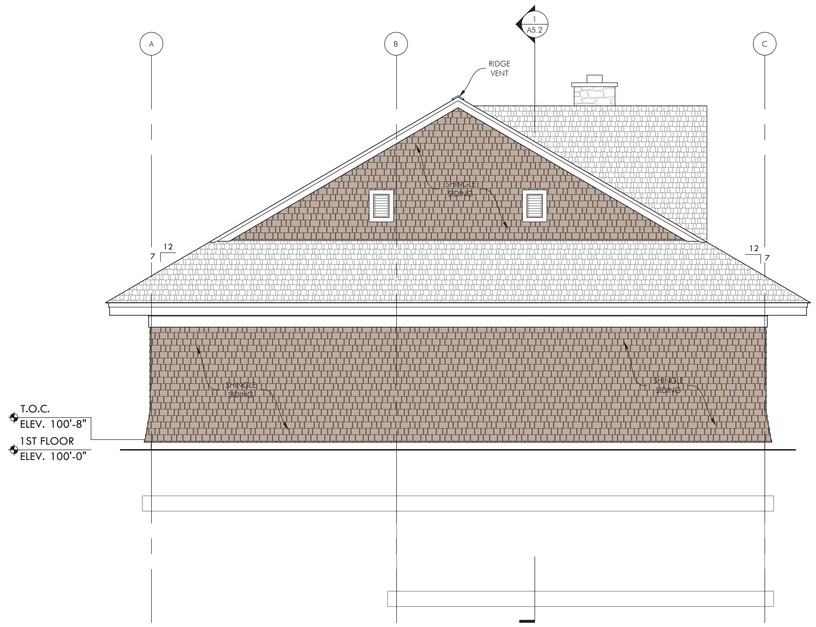
Checked By
GMc

Date Issued
5/7/24

A4.1



1 A4-2 **ELEVATION**
SCALE: 3/16"=1'-0"



2 A4-2 **ELEVATION**
SCALE: 3/16"=1'-0"

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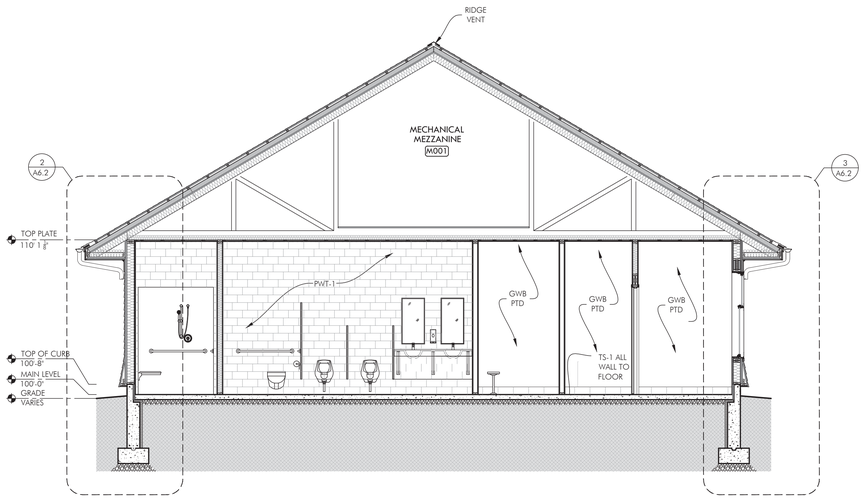
HOPYARD GOLF CLUB
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DANIEL R. GUILLET
REGISTERED ARCHITECT

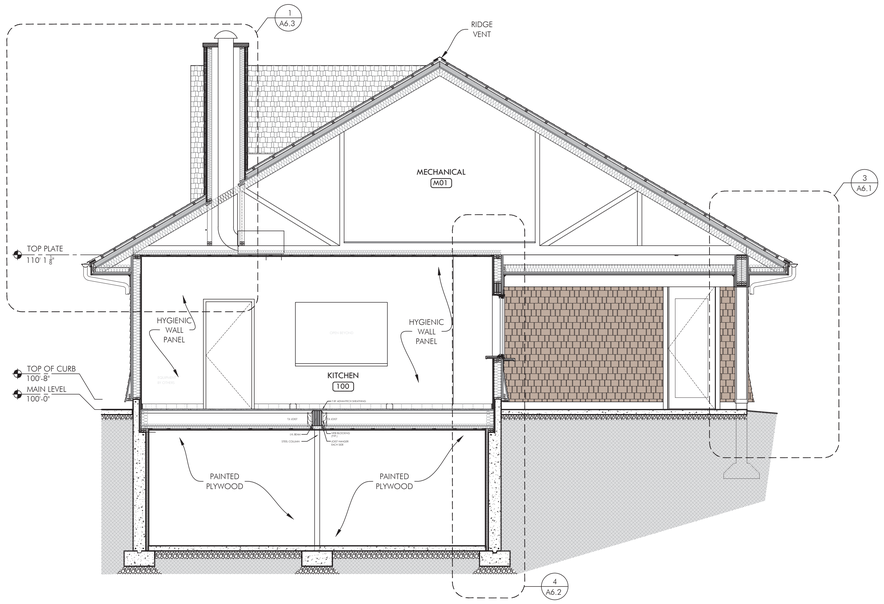
EXTERIOR ELEVATIONS

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2023.054
Drawing Scale
1/8"=1'-0"
Drawn By
RMY
Checked By
GMc
Date Issued
5/7/24

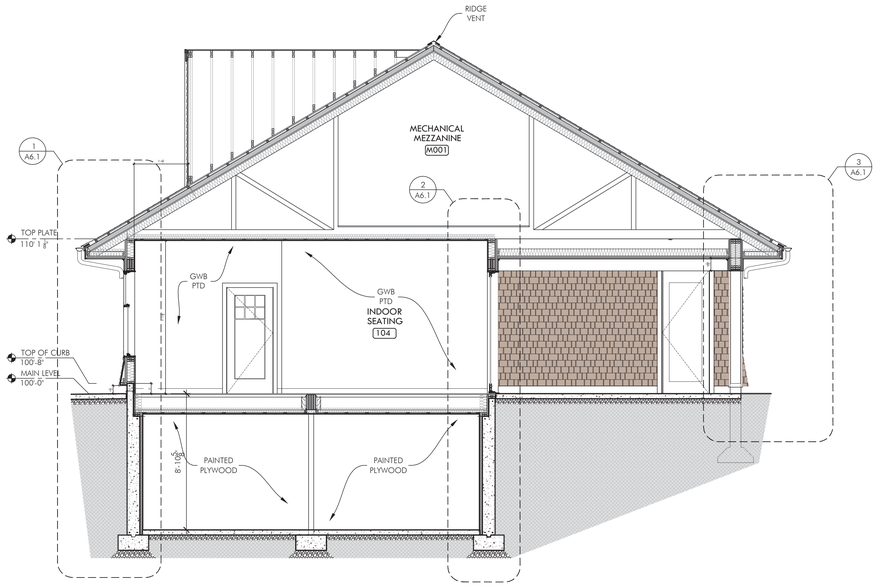
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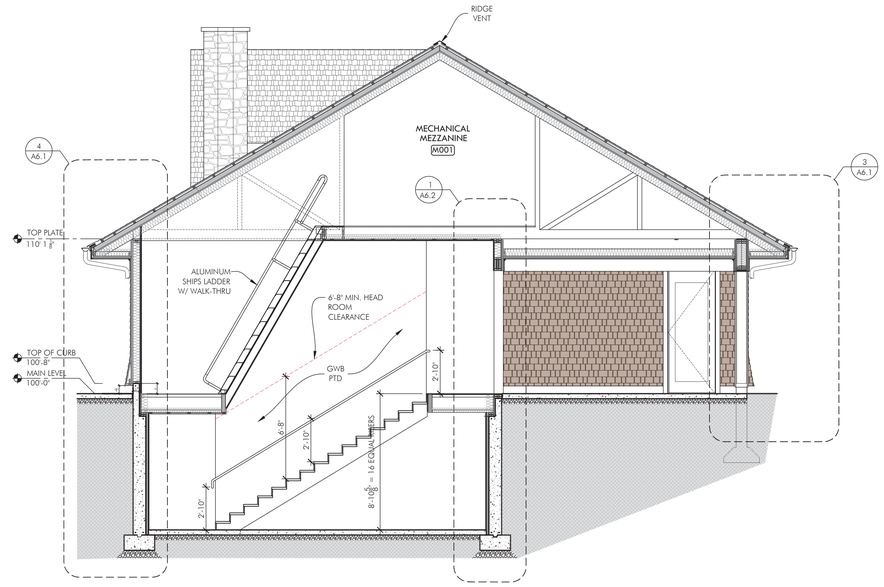
1 A5.1 **SECTION**
SCALE: 1/4"=1'-0"



2 A5.1 **SECTION**
SCALE: 1/4"=1'-0"



3 A5.1 **SECTION**
SCALE: 1/4"=1'-0"



4 A5.1 **SECTION**
SCALE: 1/4"=1'-0"

NOTE: REFER TO DRAWING CR1.1 FOR ALL CODE REQUIRED MINIMUM R-VALUES

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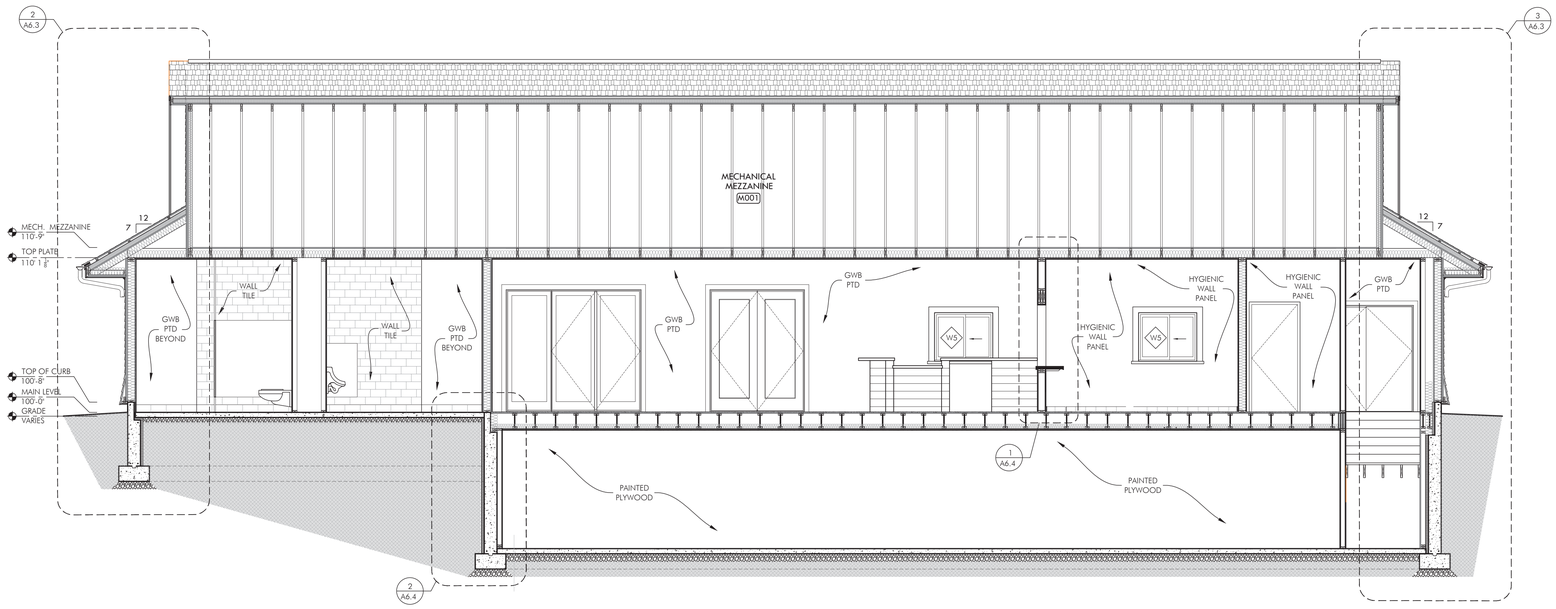
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BUILDING SECTIONS

Project Number 2023.054
Drawing Scale AS NOTED
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Date Issued 5/7/24

A5.1



1 A5.2 **SECTION**

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

NOTE: REFER TO DRAWING CR1.1 FOR ALL CODE REQUIRED MINIMUM R-VALUES

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BUILDING SECTIONS

Project Number
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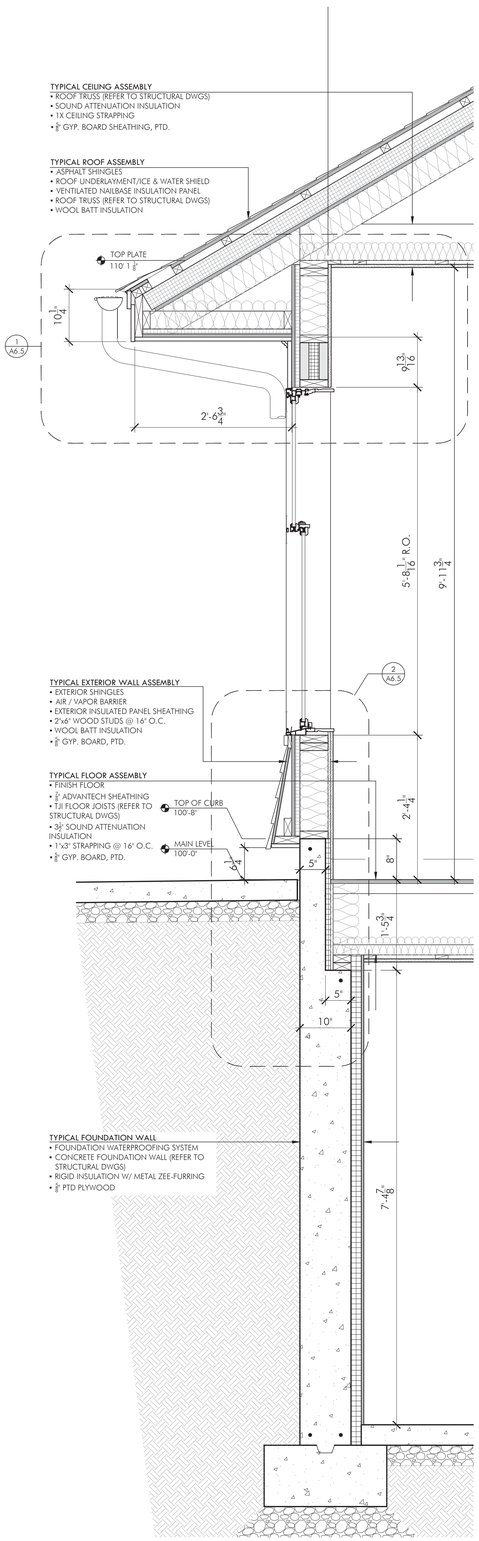
Drawing Scale
AS NOTED

Drawn By
RMY

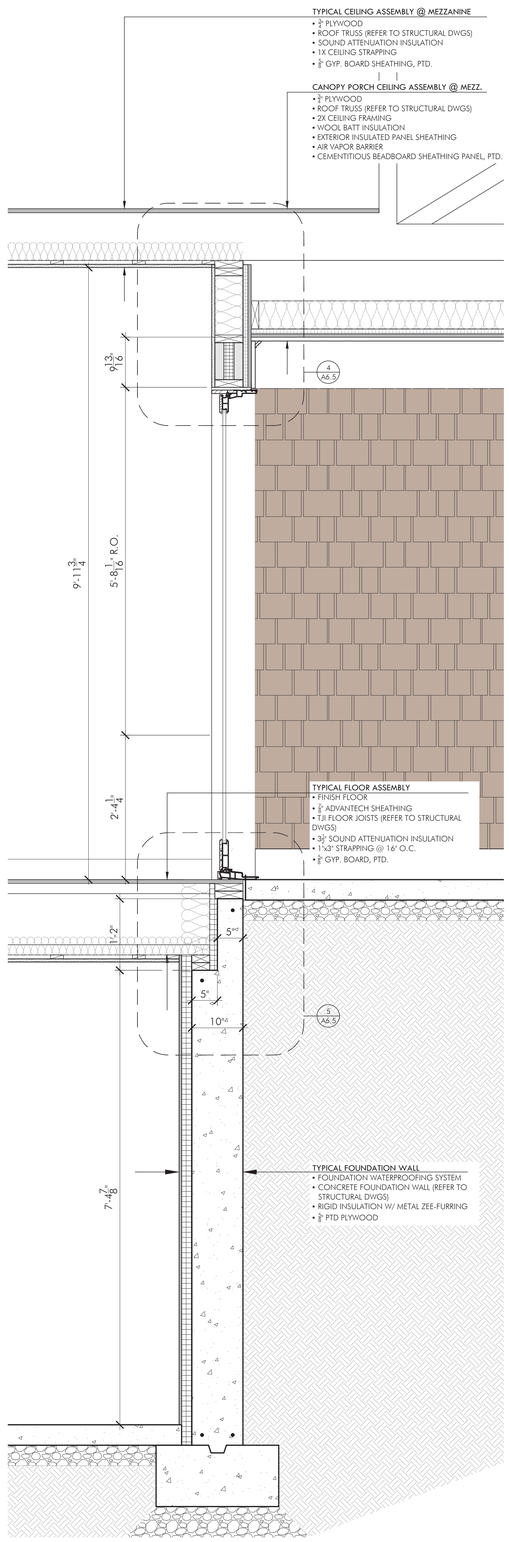
Checked By
GMc

Date Issued
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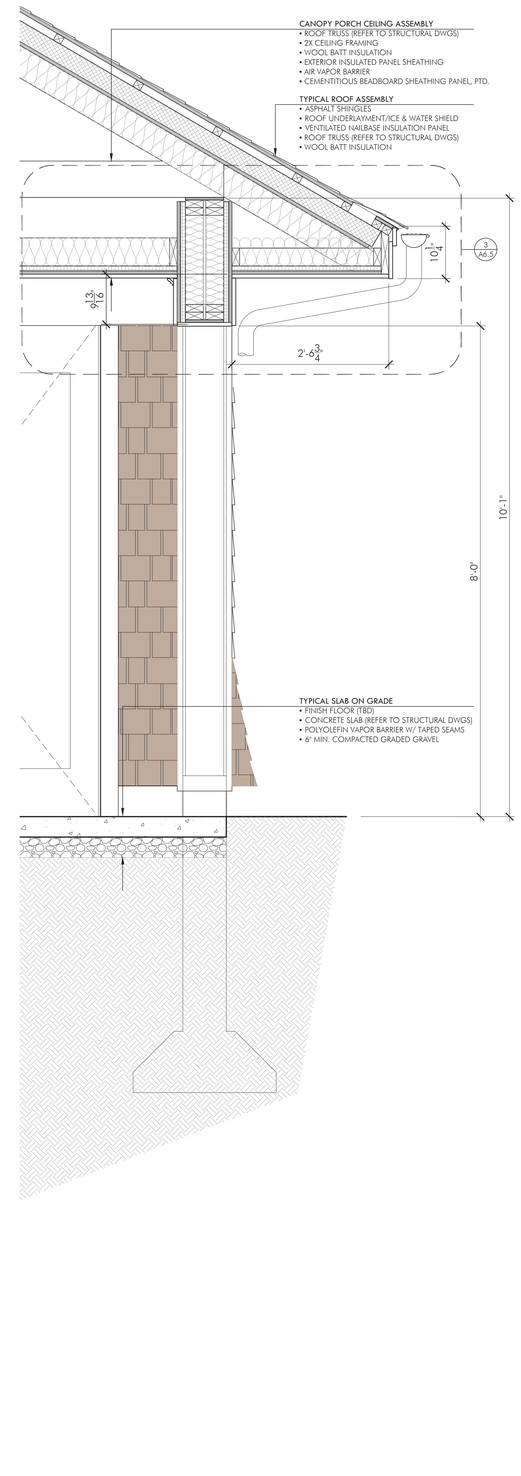
A5.2



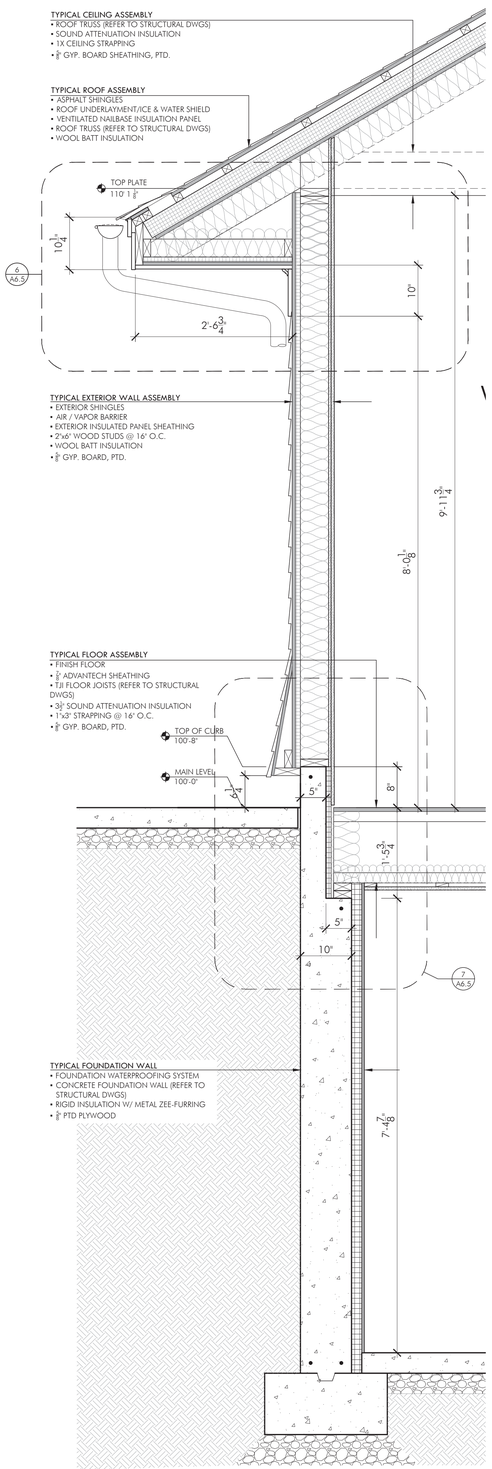
1 A6.1 WALL SECTION
SCALE: 1" = 1' - 0"



2 A6.1 WALL SECTION
SCALE: 1" = 1' - 0"



3 A6.1 WALL SECTION
SCALE: 1" = 1' - 0"



4 A6.1 WALL SECTION
SCALE: 1" = 1' - 0"

NOTE: REFER TO DRAWING CR1.1 FOR ALL CODE REQUIRED MINIMUM R-VALUES

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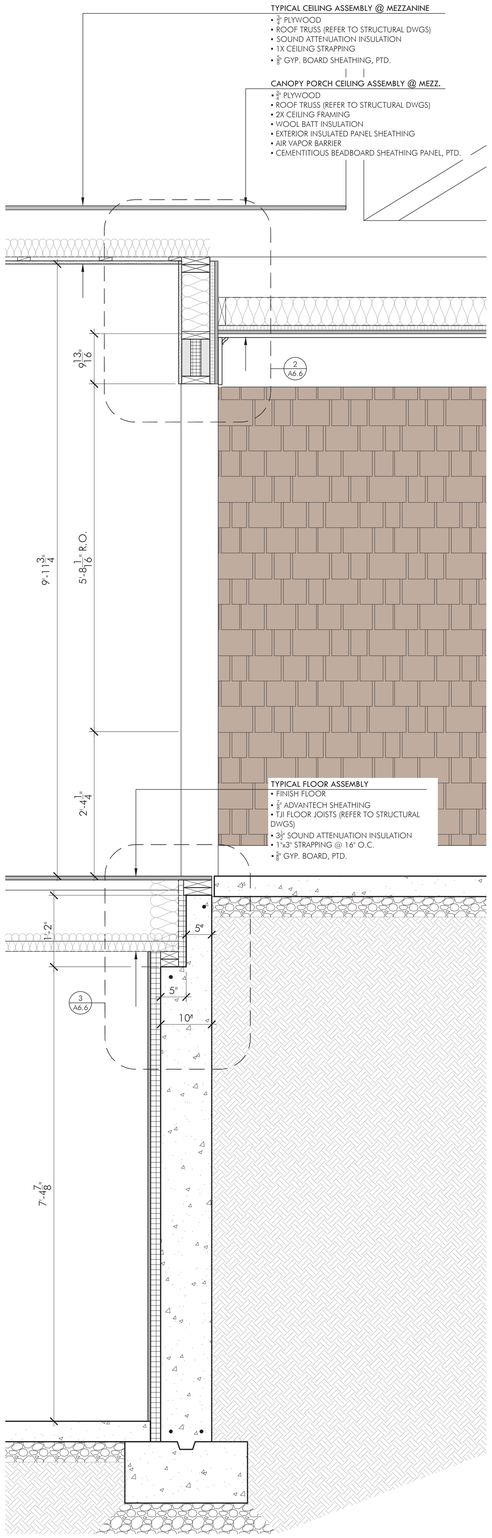
HOPYARD GOLF CLUB
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East Haddam, CT 06423

STATE OF CONNECTICUT
DANIEL R. QUINN
LICENSED ARCHITECT

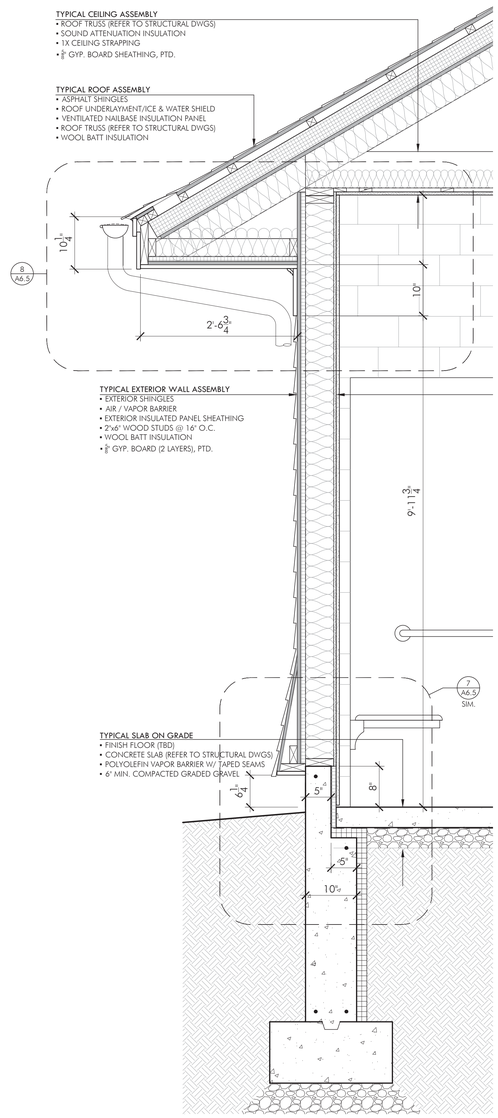
WALL SECTIONS

Project Number 2023.054
Drawing Scale AS NOTED
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

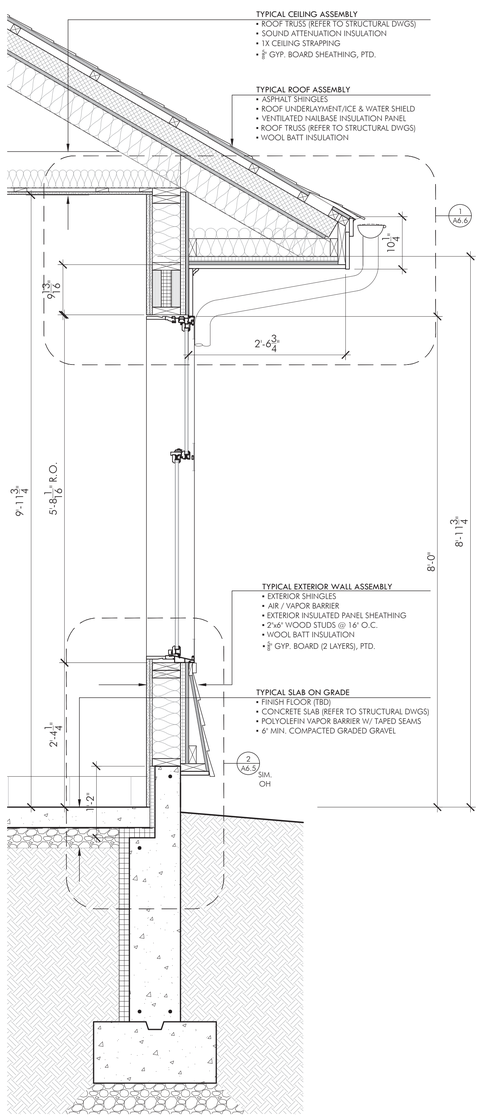
A6.1



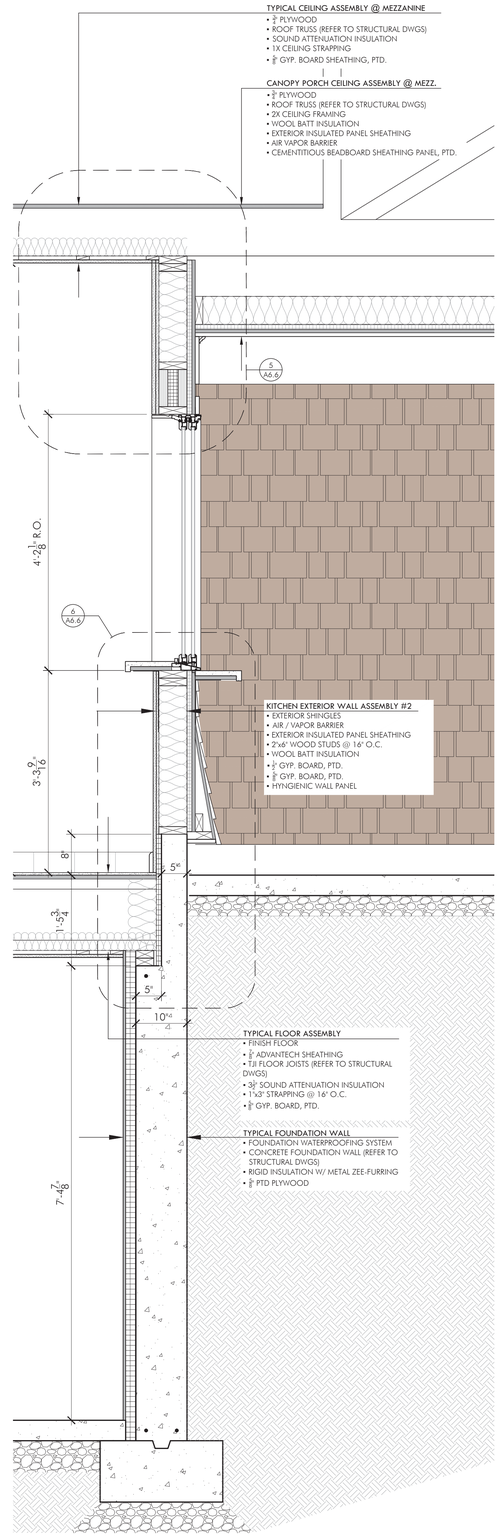
1 A6.2 WALL SECTION
SCALE: 1" = 1' - 0"



2 A6.2 WALL SECTION
SCALE: 1" = 1' - 0"



3 A6.2 WALL SECTION
SCALE: 1" = 1' - 0"



4 A6.2 WALL SECTION
SCALE: 1" = 1' - 0"

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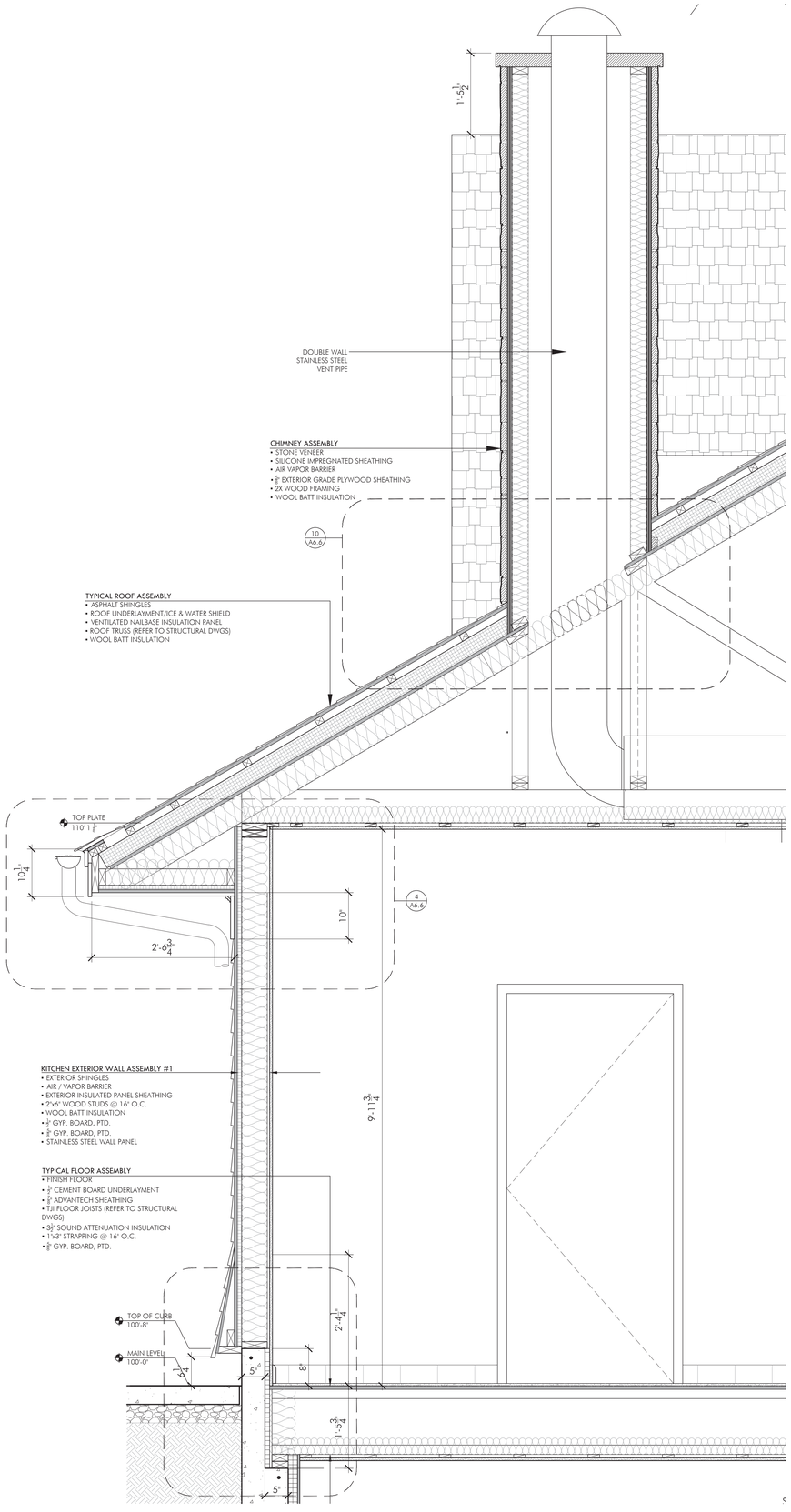
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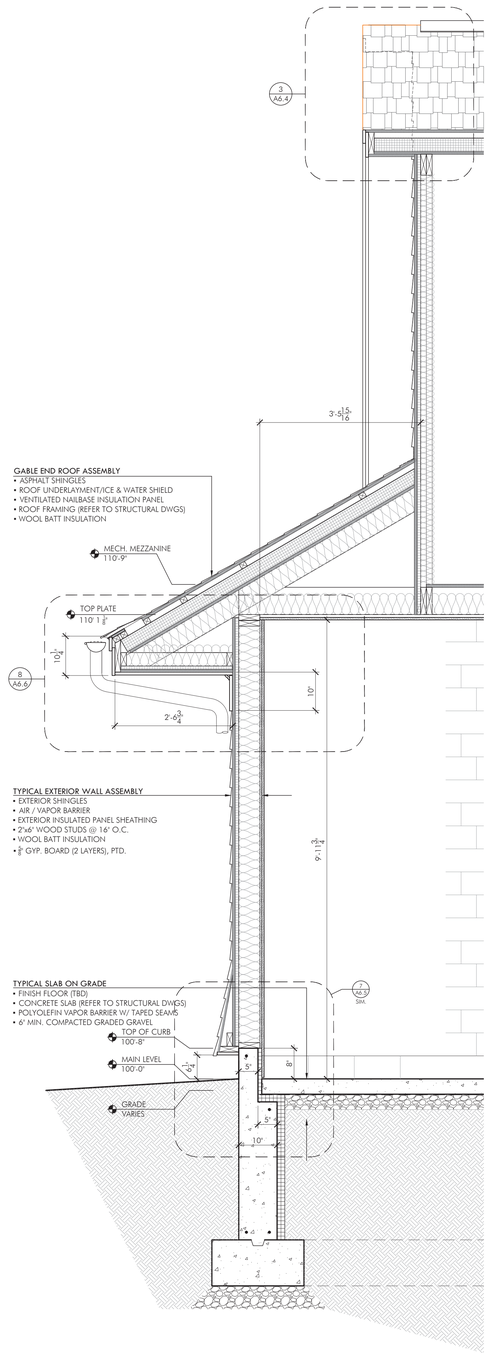
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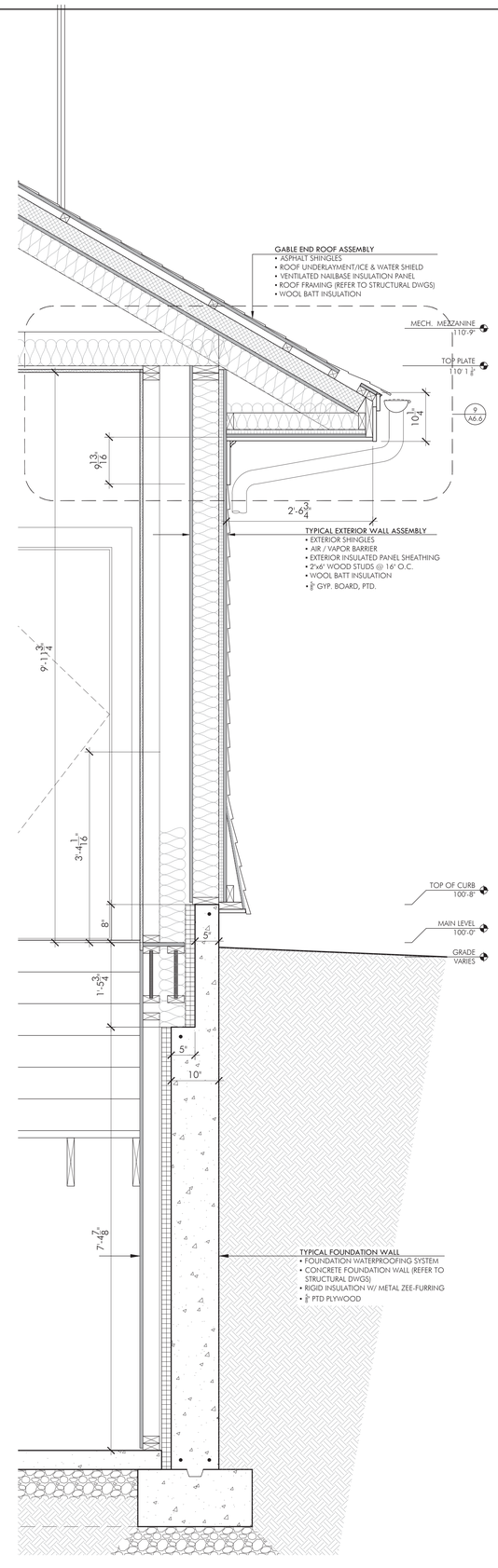
A6.2



1 A6.3 WALL SECTION
SCALE: 1" = 1' - 0"



2 A6.3 WALL SECTION
SCALE: 3/4" = 1' - 0"



3 A6.3 WALL SECTION
SCALE: 1" = 1' - 0"

NOTE: REFER TO DRAWING CR1.1 FOR ALL CODE REQUIRED MINIMUM R-VALUES

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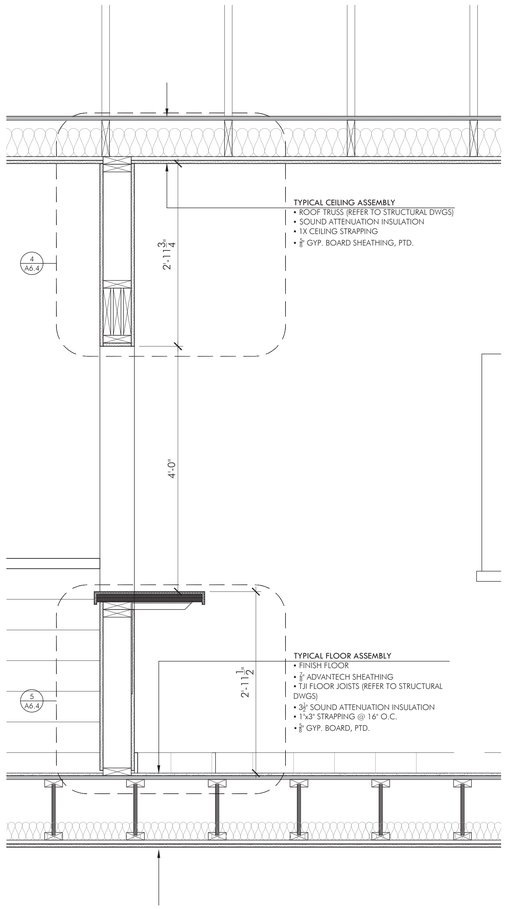
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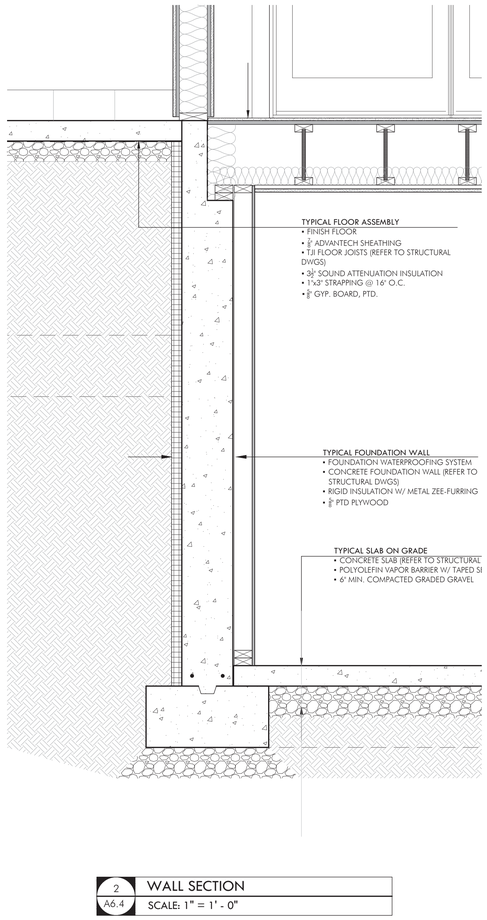
WALL SECTIONS

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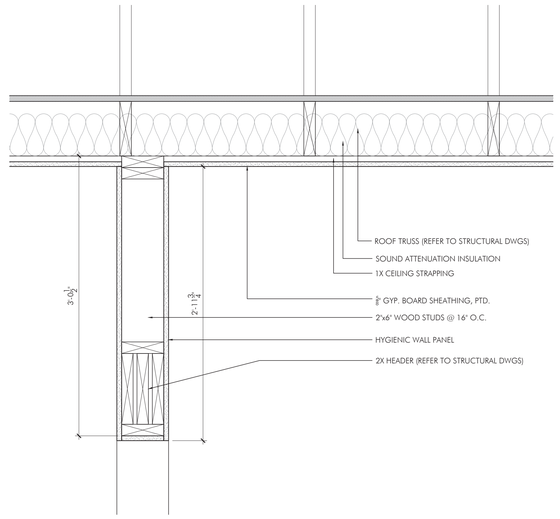
A6.3



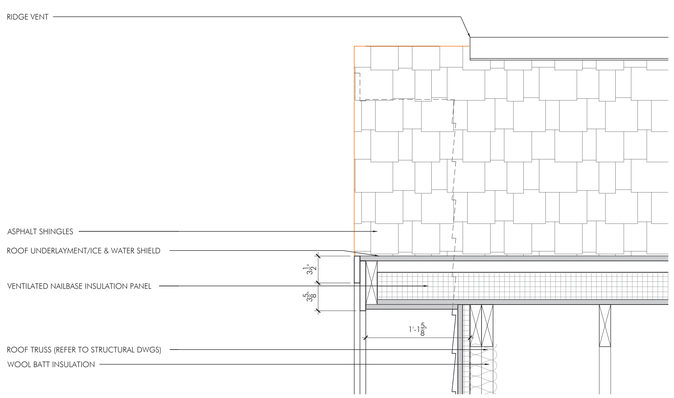
1 A6.4 WALL SECTION
SCALE: 1 1/2" = 1' - 0"



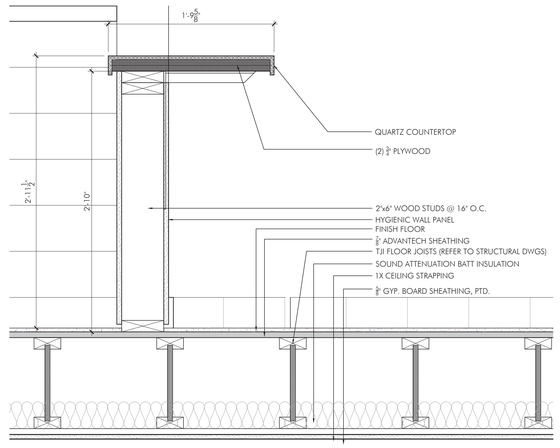
2 A6.4 WALL SECTION
SCALE: 1" = 1' - 0"



4 A6.4 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"



3 A6.4 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"



5 A6.4 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"

NOTE: REFER TO DRAWING CR1.1 FOR ALL CODE REQUIRED MINIMUM R-VALUES

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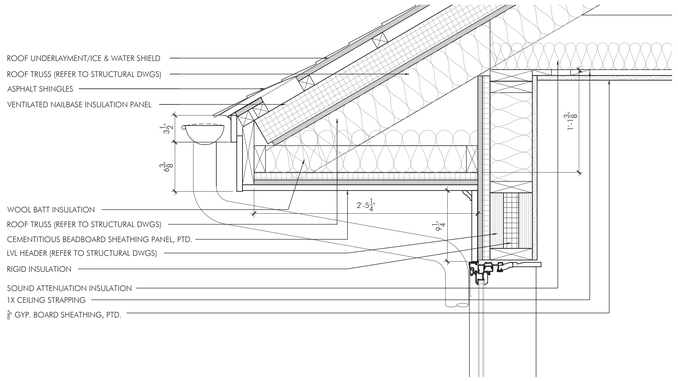
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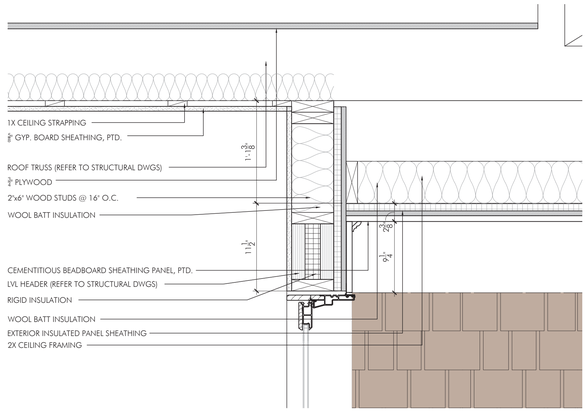
WALL SECTIONS
& VERTICAL DETAILS

Project Number
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Drawing Scale
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Date Issued
5/7/24

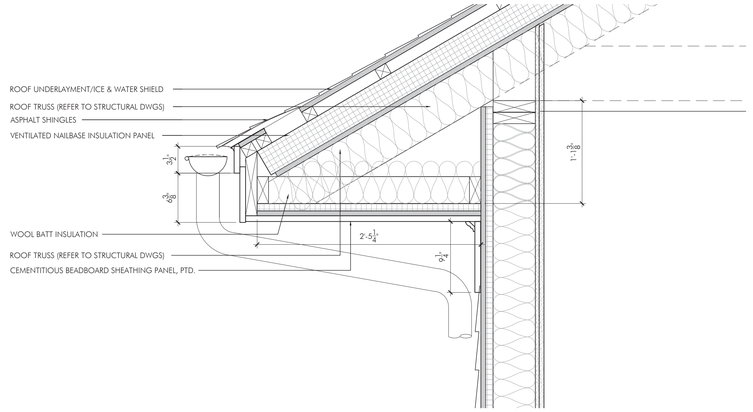
A6.4



1 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"



4 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"

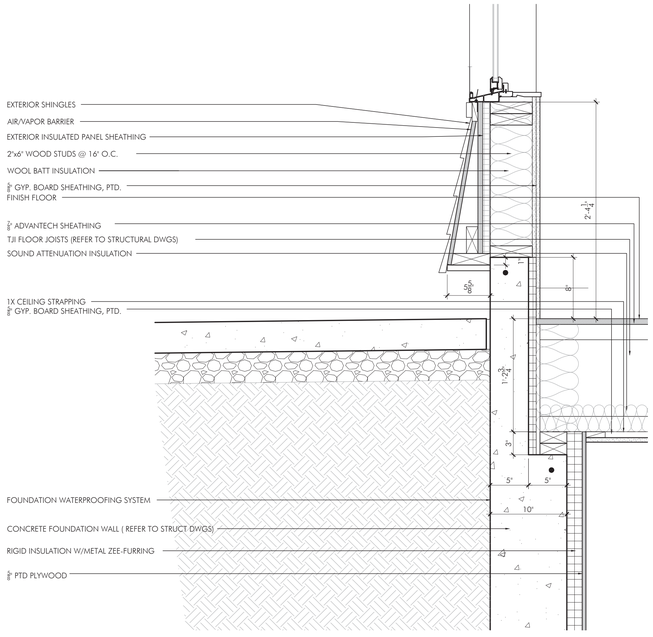


6 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"

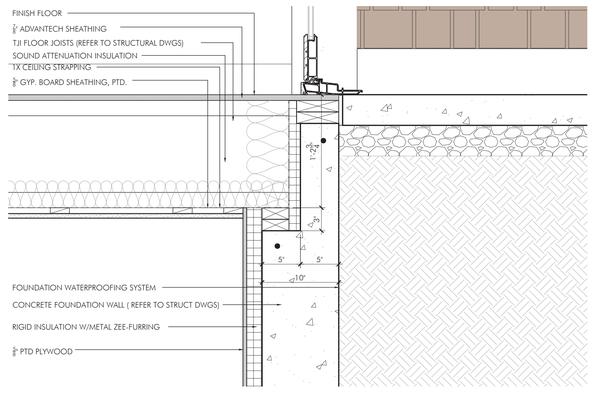
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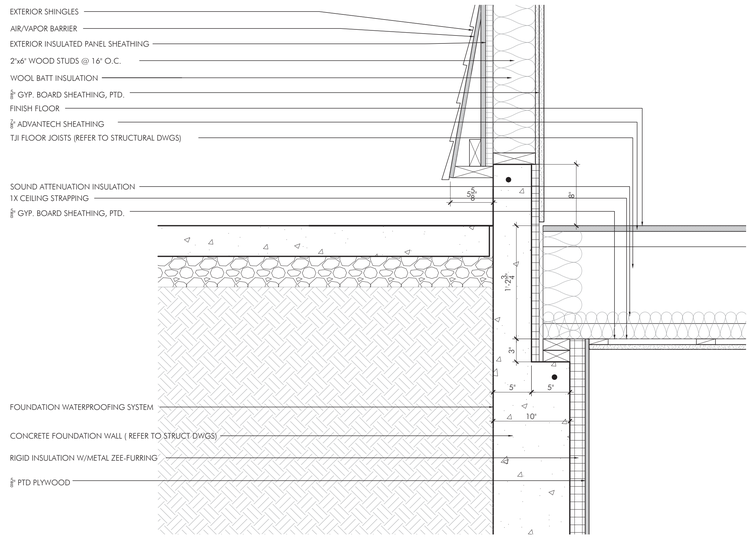
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2 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"



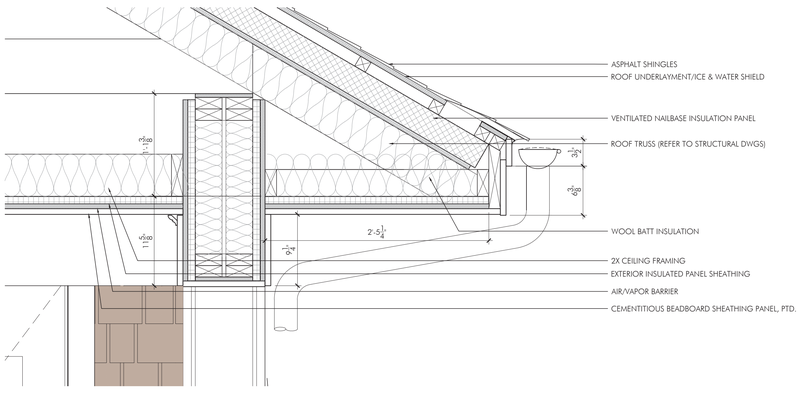
5 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"



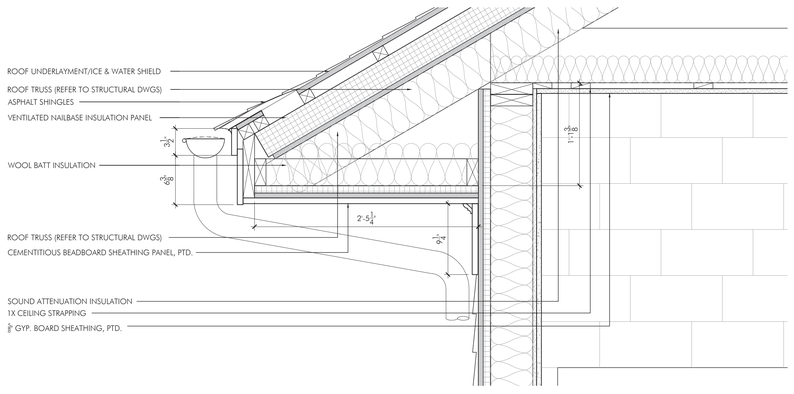
7 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"

Revisions

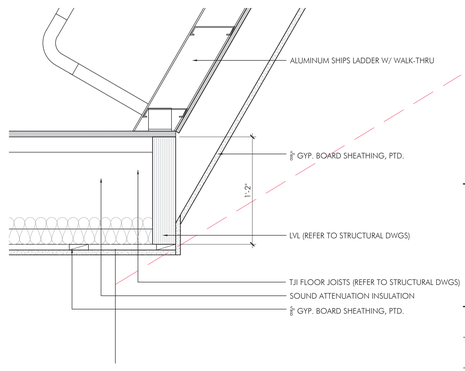
HOPYARD GOLF CLUB
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3 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"



8 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"



9 A6.5 VERTICAL DETAIL
SCALE: 1 1/2" = 1' - 0"

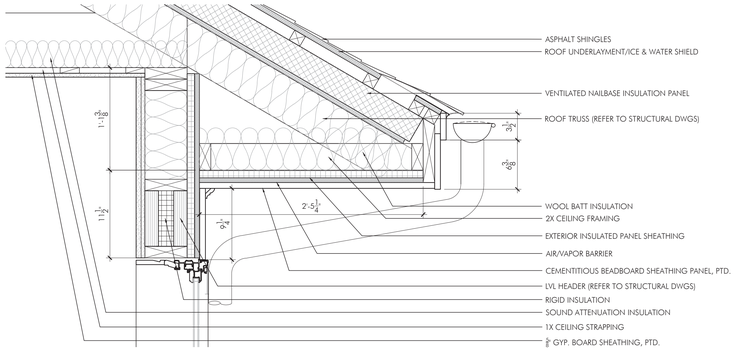
STATE OF CONNECTICUT
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REGISTERED ARCHITECT

VERTICAL DETAILS

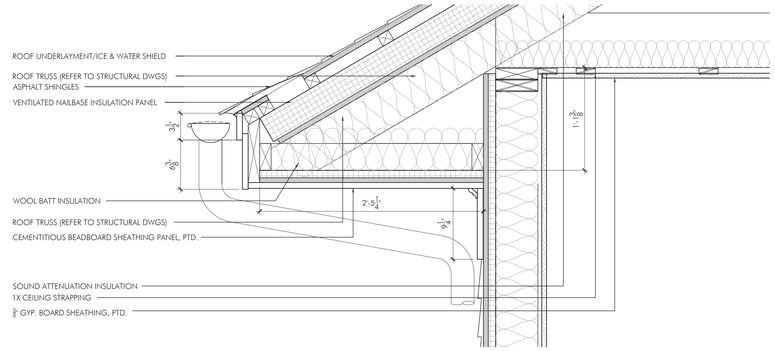
Project Number
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Date Issued
5/7/24

A6.5

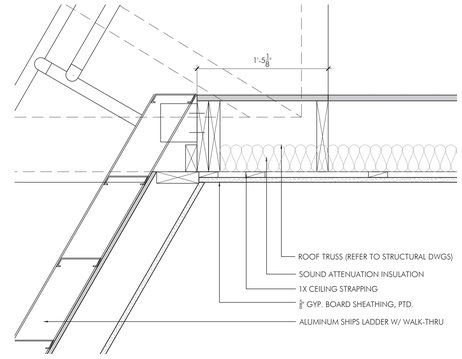
NOTE: REFER TO DRAWING CR1.1 FOR ALL CODE REQUIRED MINIMUM R-VALUES



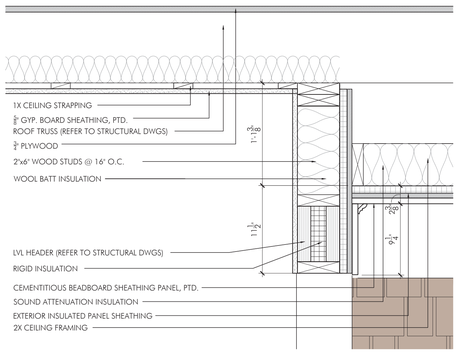
1 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



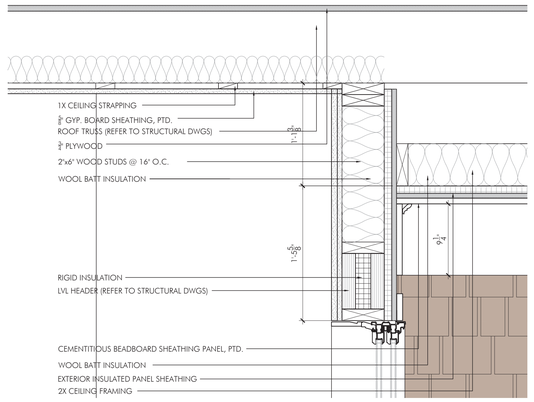
4 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



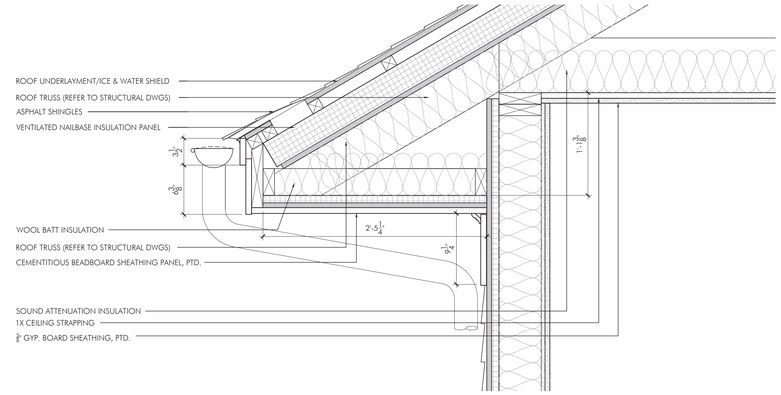
7 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



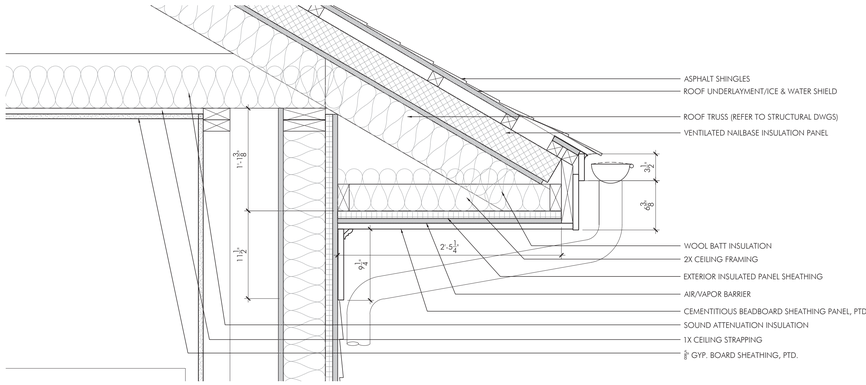
2 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



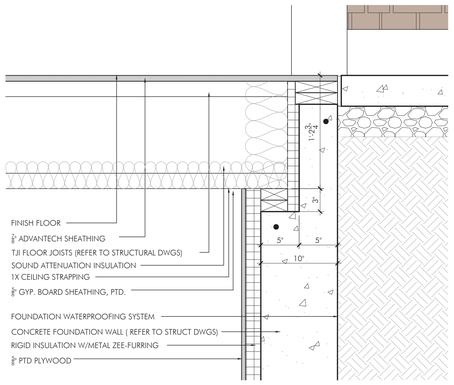
5 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



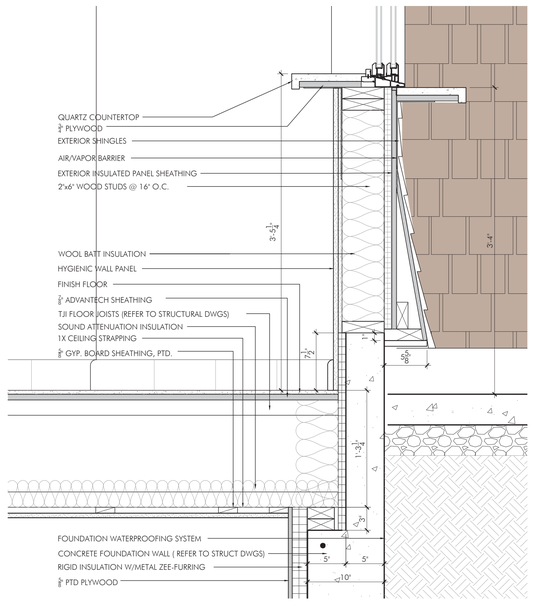
8 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



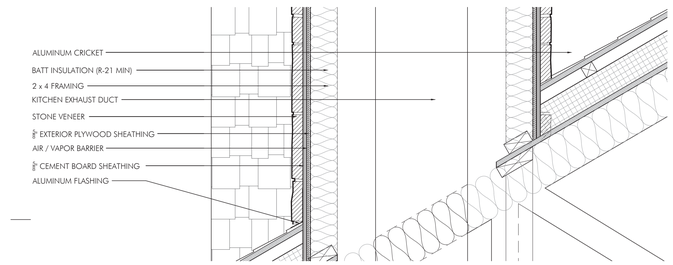
9 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



3 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



6 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"



10 VERTICAL DETAIL
A6.6 SCALE: 1 1/2" = 1' - 0"

NOTE: REFER TO DRAWING CR1.1 FOR ALL CODE REQUIRED MINIMUM R-VALUES

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VERTICAL DETAILS

Project Number 2023.054
Drawing Scale AS NOTED
Drawn By RMY
Checked By GMc
Date Issued 5/7/24

A6.6

GENERAL NOTES

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF 2021 INTERNATIONAL BUILDING CODE WITH THE STATE OF CONNECTICUT AMENDMENTS.

THE OWNER SHALL RETAIN THE SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM STRUCTURAL INSPECTIONS AS INDICATED ON THE DRAWINGS AND AS REQUIRED/INDICATED BY THE PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS.

THE CONTRACTOR SHALL EXAMINE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR VERIFICATION, LOCATION AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD AND WITH THE ARCHITECTURAL DRAWINGS AND SHALL NOTIFY THE OWNER/ARCHITECT/ENGINEER OF ANY DISCREPANCY BEFORE PROCEEDING WITH THE WORK. EXISTING CONDITIONS SHOWN ARE NOT GUARANTEED.

THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE DESIGN AND INSTALLATION OF ALL NECESSARY BRACING & SHORING UNTIL ALL STRUCTURAL WORK IS COMPLETE.

SHOP DRAWINGS, IN ADDITION TO THE SUBMITTALS REQUIRED BY THE PROJECT SPECIFICATIONS, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND COMMENTS PRIOR TO FABRICATION FOR THE FOLLOWING:

1) CONCRETE MIX & CURING METHOD
2) REINFORCING STEEL
3) EXPANSION BOLTS, ADHESIVE ANCHORS & HOLD-DOWN RODS
4) STRUCTURAL STEEL
6) TIMBER FRAMING

PROVIDE SEALANT AT ALL CONTROL JOINTS.
PROVIDE THERMAL BREAK WHERE SLAB-ON-GRADE ABUTS WALLS.

STRUCTURAL DESIGN NOTES

DESIGN LOADS:
- BASEMENT SLAB-ON-GRADE LIVE LOAD = 100 PSF
- FIRST FLOOR LIVE LOAD = 100 PSF
- 1ST FLOOR DEAD LOAD (FRAMING, FLOOR FINISHES & CEILING/MISC.) = 25 PSF
- STAIRWAY LIVE LOAD = 100 PSF
- ROOF TRUSS BOTTOM CHORD LIVE LOAD = 20 PSF IN NON-MECHANICAL SPACE
- ROOF TRUSS BOTTOM CHORD LIVE LOAD = 50 PSF IN MECHANICAL SPACE
- ROOF TRUSS BOTTOM CHORD DEAD LOAD = 10 PSF + SELF WEIGHT
- ROOF TRUSS TOP CHORD DEAD LOAD = 15 PSF + SELF WEIGHT

GROUND SNOW LOAD, Pg = 30 PSF (PER APPENDIX R) & Pf = 23.1 PSF
SNOW LOAD IMPORTANCE FACTOR, Is = 1.0 (ASCE 7-10 TABLE 1.5-2)
SNOW EXPOSURE FACTOR, Ce = 1.0 & THERMAL FACTOR, Ct = 1.1

RISK CATEGORY: II (PER ASCE 7 TABLE 1.5-1 & IBC TABLE 1604.5)
SURFACE ROUGHNESS PER ASCE 26.7.2 & IBC 1609.4.2 = B
EXPOSURE CATEGORY: B

WIND LOAD DESIGN DATA
Vult = 124 MPH (PER FIGURE 26.5-1B) Vasd = 96 MPH
Kd = 0.85 FOR BUILDINGS

SEISMIC DESIGN DATA:
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD
- SEISMIC IMPORTANCE FACTOR, Ie = 1.0 (ASCE 7 TABLE 11.5-2)
- MAPPED SPECTRAL RESPONSE ACCELERATION – Ss: 0.208G & S1: 0.055G (PER TABLE 1604.11)
- SITE CLASS = D (UNKNOWN)
- SPECTRAL RESPONSE COEFFICIENTS – SDS: 0.222G & SD1: 0.087G (ASCE 7 SECTION 11.4.3)
- SEISMIC DESIGN CATEGORY = B
- DESIGN BASE SHEAR = 4.2 KIPS (ASCE 7 SECTION 12.8.1)
- SEISMIC RESPONSE COEFFICIENT, Cs = 0.034 (ASCE 7 SECTION 12.8.1.1)

LIGHT-FRAMED (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE OR STEEL SHEETS
RESPONSE MODIFICATION COEFFICIENT, R = 6½
DEFLECTION AMPLIFICATION FACTOR, CD = 4

DEFLECTION CRITERIA:
- 1ST FLOOR LIVE LOAD DEFLECTION: L/240
- 1ST FLOOR TOTAL LOAD DEFLECTION: L/360
- ROOF SNOW LOAD DEFLECTION: L/360
- ROOF TOTAL LOAD DEFLECTION: L/240 OR ¾" (WHICHEVER IS LESS)

STRUCTURAL INSPECTIONS

INSPECTION AND TESTING WILL BE PERFORMED PER CHAPTER 17 IBC 2021. THE OWNER WILL EMPLOY A TESTING AGENCY (SELECTED BY THE ENGINEER/OWNER) TO PERFORM STRUCTURAL TESTS AND INSPECTIONS AS INDICATED ON S2. TEST REPORTS SHALL BE ADDRESSED TO THE OWNER & SENT DIRECTLY TO THE OWNER AND McBRIE, LLC FROM THE TESTING AGENCY.

THE CONTRACTOR SHALL COORDINATE WITH, NOTIFY, AND PROVIDE ACCESS AND A SAFE WORKING ENVIRONMENT FOR THE OWNER'S TESTING AGENCY BOTH IN THE SHOP AND IN THE FIELD.

ALL CONCRETE REINFORCING, CONCRETE PLACEMENT AND STRUCTURAL STEEL INSTALLATIONS SHALL BE INSPECTED/OBSERVED BY THE SER OR AN INDEPENDENT TESTING AGENCY. ANY WORK COMPLETED WITHOUT INSPECTIONS SHALL BE CONSIDERED AS UNACCEPTABLE AND SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

AT A MINIMUM, THE FOLLOWING WILL BE INSPECTED:
1. REBAR PLACEMENT
2. CONCRETE PLACEMENT
3. STRUCTURAL STEEL
5. TIMBER FRAMING

GEOTECHNICAL/FOUNDATION DESIGN

FOUNDATION/FOOTING DESIGN IS BASED UPON AN ASSUMED BEARING CAPACITIES PER THE 3000 PSF

ALL FOOTINGS SHALL BEAR ON A MINIMUM OF 1 FOOT LIFT OF STRUCTURAL FILL OVER EXISTING BEDROCK IF ENCOUNTERED. GEOTECHNICAL ENGINEER OF RECORD SHALL APPROVE ALL SUBGRADE SOILS PRIOR TO INSTALLATION OF FOOTING FORMS.

THE CONTRACTOR SHALL HIRE THE SERVICES OF A REGISTERED GEOTECHNICAL ENGINEER IN THE STATE OF CT TO PROVIDE WRITTEN CONFIRMATION OF AN EVALUATION OF THE SUBGRADES FOR SOIL STIFFNESS AND DENSITY PRIOR TO PLACEMENT OF FOOTINGS. THE EVALUATION REPORT SHALL PROVIDE/INCLUDE THE ALLOWABLE BEARING CAPACITY OF THE SUBGRADE BASED UPON AN IN-PLACE TEST SIMILAR TO A CONE PENETROMETER TEST OR DYNAMIC CONE TEST.

CONCRETE & REINFORCING

ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-14)" AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE" (ACI 301).

ALL CONCRETE IN FOUNDATION WALLS AND FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. ALL CONCRETE IN SLABS-ON-GRADE AND ELEVATED SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. ALL EXTERIOR CONCRETE/FOUNDATION WALLS SHALL HAVE BETWEEN 4 TO 6% AIR ENTRAINMENT AND 4" MAXIMUM SLUMP. NO CONCRETE SHALL BE CAST IN WATER OR ON FROZEN GROUND.

DOWELS SHALL BE PROVIDED IN CONCRETE FOUNDATION WALLS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE DOWELS WITH THE PROPOSED CMU WALL VERTICAL REINFORCING WHERE APPLICABLE. ALL DOWELS ARE TO BE EPOXY GROUTED INTO EXISTING CONCRETE WITH HILTI HIT-HY 200-A EPOXY OR APPROVED EQUAL.

FOUNDATION WALLS SHALL HAVE CONSTRUCTION JOINTS AS DETAILED. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS AS INDICATED ON THE DRAWINGS.

BACKFILL AGAINST WALLS SHALL BE PLACED ALTERNATELY ON EACH SIDE IN 12" MAXIMUM LIFTS. WALLS WITH UNBALANCED FILL AND WHERE TOP OF WALL IS SUPPORTED BY THE FLOOR FRAMING SHALL BE TEMPORARILY BRACED OR SHORED IF BACKFILLED BEFORE FRAMING IS COMPLETE.

NOTE WELL: ALL CONCRETE (FLOOR SLABS AND FOOTINGS OR FOUNDATION WALLS WHOSE FORMS ARE STRIPPED BEFORE 7 DAYS) MUST BE WET CURED FOR 7 DAYS UNLESS HIGH EARLY CONCRETE IS USED WHICH MUST BE WET CURED FOR 3 DAYS OR AN APPROVED CURING COMPOUND IS USED. REFER TO ACI 308.1-11, SPECIFICATION FOR CURING CONCRETE FOR ADDITIONAL INFORMATION.

COLD AND HOT WEATHER (BELOW 40° F AND ABOVE 90° F) CONCRETE PLACEMENT AND CURING PROCEDURES MUST BE SUBMITTED TO THE S.E.R. FOR APPROVAL PRIOR TO PLACEMENT.

REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING:
(A) ASTM 615, GRADE 60 FOR DEFORMED BARS (Fy = 60,000 P.S.I.)
ASTM A775 FOR EPOXY-COATED STEEL REINFORCING BARS
ASTM ASTM A934 FOR EPOXY-COATED PREFABRICATED STEEL REINFORCING BARS
(B) WELDED WIRE FABRIC (WWF) REINFORCEMENT: ASTM A185, A884 FOR EPOXY COATED

WELDED WIRE FABRIC (WWF) SHALL BE LAPPED 6" OR ONE SPACE, WHICHEVER IS LARGER, AND SHALL BE WIRED TOGETHER.

STRUCTURAL STEEL

STRUCTURAL STEEL WORK SHALL CONFORM TO PART 16 OF THE MANUAL OF STEEL CONSTRUCTION (AISC FOURTEENTH EDITION). ALL WELDING SHALL CONFORM TO AWS D1.1 AND BE PERFORMED BY APPROVED CERTIFIED WELDERS. ALL WELDS SHALL USE E70XX ELECTRODES BOTH IN THE SHOP AND IN THE FIELD.

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

STRUCTURAL STEEL SHALL CONFORM TO ASTM A500, GRADE B (Fy = 46ksi) FOR HSS TUBES AND PIPE COLUMNS. BOLTED CONNECTIONS SHALL BE MADE USING A MINIMUM OF 3/4"ø ASTM A325 HIGH STRENGTH BOLTS.

ALL STRUCTURAL STEEL TO RECEIVE ONE SHOP COAT OF STANDARD GRAY PRIMER U.N.O. OR UNLESS SPRAY-FIREPROOFED – COORDINATE WITH ARCHITECTURAL DRAWINGS. TOUCH UP ALL BARE AREAS AFTER ERECTION.

ALL ANCHOR BOLTS TO BE ASTM F1554, GRADE 36 U.N.O.
ALL THREADED RODS TO BE ASTM F1554 GRADE 55 U.N.O.
THREADED RODS EXPOSED TO WEATHER SHALL BE STAINLESS STEEL RODS ASTM F593 GRADE 45 MIN.

LEVELING/BEARING PLATES SHALL BE SET ON FULL BEDS OF NON-SHRINK, NONMETALLIC GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 3 DAYS.

TIMBER

ALL CARPENTRY WORK SHALL CONFORM TO THE LATEST AMERICAN WOOD COUNCIL STANDARDS USING:
SPRUCE PINE FIR #2 KD, Fb = 875 PSI (2x12) & E = 1.4 x 10^6 PSI FOR DIMENSION LUMBER
SOUTHERN PINE #1 KD, Fb = 1000 PSI (2x12) & E = 1.6 x 10^6 PSI FOR PRESSURE TREATED DIMENSION LUMBER U.N.O.
Fb = 2,600 PSI (12" deep beams) & E = 2.0 x 10^6 PSI FOR LVLs
Fb = 2,900 PSI (12" deep beams) & E = 2.0 x 10^6 PSI FOR PSLs
Fb = 1,827 PSI (12" deep beams) & E = 1.46 x 10^6 PSI FOR PLUS PSLs (SERVICE LEVEL 2).
TJI JOISTS SHALL BE AS MANUFACTURED BY WEYERHAEUSER OR APPROVED EQUAL.
NAILING PER TABLE 5602.3(1) OF THE MA STATE BUILDING CODE.

DOUBLE-UP JOISTS UNDER PARALLEL PARTITIONS UNLESS NOTED OTHERWISE. PROVIDE DOUBLE STUDS AT ALL DOUBLE JOISTS – TYPICAL.

PROVIDE CONTINUOUS ROWS OF BRIDGING BETWEEN JOISTS. LOCATE BRIDGING AT MIDSPAN OF JOISTS.

SUBFLOOR SHALL BE ¾" APA RATED SHEATHING OR STURD-I FLOOR WITH THE APPROPRIATE SPAN RATING FOR JOISTS SPACING. THE SUBFLOOR SHALL BE GLUED WITH CONSTRUCTION ADHESIVE CONFORMING TO APA SPECIFICATION AFG-01 OR ASTM D 3498 AND NAILED WITH 8D RING NAILS @ 12" O/C ALONG PANEL ENDS AND INTERMEDIATE SUPPORTS.

ALL POSTS SHALL BE CONTINUOUS/BLOCKED SOLID THROUGH FLOOR FRAMING AND BEAR DIRECTLY ON THE 2-2X6 SILL OR SUPPORTING BEAMS.

PROVIDE JOIST HANGERS AT ALL FLUSH FRAMING WITH FULL LENGTH NAILS. ALL METAL CONNECTORS/HANGERS SHALL BE AS INDICATED AS MANUFACTURED BY SIMPSON STRONG-TIE OR APPROVED EQUAL.

ALL EXTERIOR WALL SHEATHING SHALL BE APA RATED WITH APPROPRIATE SPAN RATING FOR STUD SPACING AND SHALL BE PER WALL SHEATHING SCHEDULE. SHEATHING SHALL BE NAILED PER WALL SHEATHING & FASTENING SCHEDULE ON S2. **SINKER NAILS AND WIRE NAILS MAY NOT BE USED.**

ALL ROOF SHEATHING SHALL BE APA RATED EXPOSURE 1 SHEATHING WITH APPROPRIATE SPAN RATING FOR RAFTER SPACING. GLUE AND FASTEN WITH 10D COMMON NAILS SPACED @ 6" O/C ALONG PANEL ENDS AND @ 12" O/C AT INTERMEDIATE SUPPORTS. 1⅝" MINIMUM FASTENER PENETRATION.

ALL I-JOISTS THAT ARE INSTALLED IN UNFINISHED SPACES MUST BE FIRE-RATED.

SHOP DRAWINGS SHALL BE SUBMITTED SHOWING ALL LVL BEAMS, LVL POST CONNECTIONS, HANGERS, AND BEAM TO BEAM CONNECTIONS.

ENGINEERED WOOD TRUSSES

ENGINEERED WOOD TRUSS DESIGNS SHALL BE PREPARED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTES SPECIFICATIONS AND UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT. ALL TRUSS DESIGN DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND SHALL BE SIGNED AND SEALED BY THE ENGINEERED WOOD TRUSS DESIGN ENGINEER.

TRUSS DESIGN CALCULATIONS & SHOP DRAWINGS SHALL:
1) BE SUBMITTED FOR REVIEW AND WRITTEN COMMENTS PRIOR TO FABRICATION;
2) BE STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN CT;
3) BE COORDINATED WITH ACTUAL FIELD CONDITIONS/MEASUREMENTS PRIOR TO FABRICATION;
4) INCLUDE ALL METAL CONNECTORS (VERIFICATION OF HURRICANE TIES INDICATED ON "S" SHEETS);
5) INCLUDE FLUSH FRAME FRAMING DETAILS;
6) INCLUDE WEIGHT OF HVAC UNITS
7) GABLE-END TRUSSES SHALL BE DESIGNED TO SUPPORT OVERHANG AND FASCIA MATERIALS – SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION;
8) PROVIDE MAXIMUM ESTIMATED DEFLECTION AT MIDSPAN UNDER LIVE AND TOTAL LOADS;
9) STAMPING ENGINEER FOR FLOOR & ROOF TRUSS DESIGN SHALL PROVIDE INSPECTIONS & A LETTER THAT THE INSTALLATION OF THE TRUSSES WAS IN ACCORDANCE WITH THE REVIEWED SHOP DRAWINGS.

THE CONFIGURATION OF THE TRUSS WEB MEMBERS SHALL BE DETERMINED BY THE TRUSS MANUFACTURER.

TRUSSES ARE TO BE SPACED AT 24" O/C U.N.O. WHERE TRUSSES ARE SUPPORTED BY A STUD WALL, EACH TRUSS SHOULD HAVE A MINIMUM OF 1 WALL STUD DIRECTLY BELOW IT, REGARDLESS OF THE WALLS STUD SPACING.

TRUSS BRACING SHALL BE INSTALLED AS REQUIRED BY THE TRUSS MANUFACTURER'S DESIGN IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE SPECIFICATIONS AND RECOMMENDATIONS. BELOW IS LISTED THE MINIMUM REQUIRED BRACING (PER BCSI-B3), CONTRACTOR IS RESPONSIBLE TO REVIEW SHOP DRAWINGS FROM THE TRUSS MANUFACTURER FOR ADDITIONAL REQUIRED BRACING.
TOP CHORD BRACING – PLYWOOD SHEATHING SHALL BE DIRECTLY ATTACHED TO TOP CHORD OF TRUSSES
BOTTOM CHORD BRACING – LATERAL RESTRAINTS SHALL BE 2X4X12' MEMBERS LAPPED OVER TWO TRUSSES AND NOT SPACED FURTHER THEN 10' APART.
DIAGONAL BRACING – SHALL BE PLACED AT GABLE END WALLS IN EACH 10' BAY AND NOT SPACED FURTHER THEN 20' APART.
WEB MEMBER BRACING – BRACING SHALL BE INSTALLED AT APPROXIMATELY A 45° ANGLE EXTENDING FROM THE TOP CHORD TO THE BOTTOM CHORD, ATTACHING TO EACH WEB IT CROSSES.

TRUSSES SHALL BE STORED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS

INTENT OF THE STRUCTURAL DRAWINGS

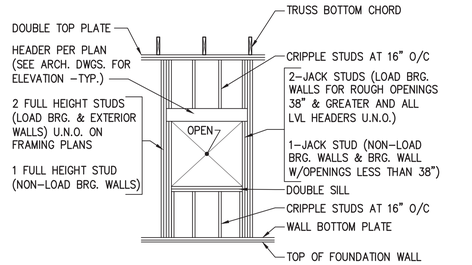
THE INTENT OF THE STRUCTURAL DRAWINGS IS TO SHOW THE MAIN STRUCTURAL FEATURES AND STRUCTURAL DESIGN FOR THE PROJECT. ARCHITECTURAL DETAILS ARE SHOWN INCIDENTALLY ONLY AND NOT COMPLETELY. THEREFORE; ARCHITECTURAL DRAWINGS MUST BE USED IN CONJUNCTION WITH THE STRUCTURAL DRAWINGS.

THE CONTRACTOR MUST NOTIFY McBRIE, LLC OF ANY CHANGES OR DEVIATIONS FROM THE STRUCTURAL PLANS PRIOR TO COMMENCEMENT OF THE WORK. McBRIE, LLC CANNOT BE RESPONSIBLE FOR ANY DEVIATIONS COMPLETED WITHOUT WRITTEN CONSENT FROM McBRIE, LLC. ADDITIONAL WORK MAY BE REQUIRED AT THE CONTRACTORS EXPENSE IF WORK IS PERFORMED WITHOUT McBRIE, LLC's CONSENT.

LEGEND / ABBREVIATIONS

ADD'L = ADDITIONAL
ALT. = ALTERNATE
APPROX. = APPROXIMATELY
ARCH. = ARCHITECT
BM. = BEAM
B.O.F. = BOTTOM OF FOOTING
B.O.S. = BOTTOM OF STEEL
BOTT. = BOTTOM
BRG. = BEARING
BRG. PL = BEARING PLATE
CLG = CEILING
CLR. = CLEARANCE
CMU = CONCRETE MASONRY UNIT
COL. = COLUMN
CONN. = CONNECTION
CONT. = CONTINUOUS (SINGLE MEMBER)
DBL = DOUBLE
DIM. = DIMENSION
DL = DEAD LOAD
DN = DOWN
D.O. = DITTO
DWGS = CONSTRUCTION DRAWINGS
E.F. = EACH FACE
EL. = ELEVATION
EMB. = EMBEDMENT
E.O.S. = EDGE OF SLAB
E.W. = EACH WAY
EXT. = EXTERIOR
EXP. = EXPANSION
EQ. = EQUAL
FND. = FOUNDATION
FTG. = FOOTING
GA = GAUGE
GALV. = GALVANIZED
HOR. = HORIZONTAL
K = KIP (1 KIP = 1000 lbs)
LG = LONG
LL = LIVE LOAD
LLH = LONG LEG HORIZONTAL
LLV = LONG LEG VERTICAL
MANUF. = MANUFACTURER
MAX. = MAXIMUM
MECH. = MECHANICAL
MIN. = MINIMUM
MIRR. = MIRROR IMAGE
MISC. = MISCELLANEOUS
N/A = NOT APPLICABLE
NOM. = NOMINAL
N.I.C. = NOT IN CONTRACT
N.T.S. = NOT TO SCALE
P.T. = PRESSURE TREATED
QC = QUALITY CONTROL
RDP = REGISTERED DESIGN PROFESSIONAL
REINF. = REINFORCING
SER = STRUCTURAL ENGINEER OF RECORD
SIM. = SIMILAR
S.S. = STAINLESS STEEL
STD HDR = STANDARD HEADER
STIFF. PL = STIFFENER PLATE
STR. SHTHG' = STRUCTURAL SHEATHING
T&B = TOP & BOTTOM
T&G = TONGUE & GROOVE
T.O.C. = TOP OF CONCRETE
T.O.S. = TOP OF STEEL
T.O.W. = TOP OF WALL
TYP. = TYPICAL
U.N.O. = UNLESS NOTED OTHERWISE
VERT. = VERTICAL
V.I.F. = VERIFY IN FIELD
V.W.A. = VERIFY WITH ARCHITECTURAL DRAWINGS
V.W.O. = VERIFY WITH OWNER
WF = WIDE FLANGE
WWF = WELDED WIRE FABRIC

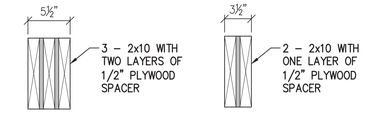
SECTION #
SHEET SECTION IS SHOWN ON OR SHEET SECTION IS CUT ON



WALL/DOOR OPENING CONSTRUCTION SIMILAR

SEE PLAN FOR HEADER SIZE AND JACK STUD QUANTITY FOR LARGE OPENINGS

1 / S1 ELEVATION – TYPICAL WINDOW FRAMING
NOT TO SCALE



ALL 2x6 EXTERIOR & LOAD BEARING WALL HEADER

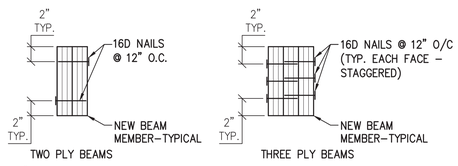
ALL 2x4 EXTERIOR & LOAD BEARING WALL HEADER

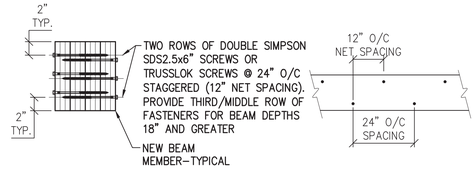
ABOVE DETAILS ARE TYPICAL AT ALL EXTERIOR AND LOAD BEARING WALL OPENINGS UNLESS OTHERWISE NOTED ON FRAMING PLANS

PROVIDE DOUBLE JACK STUDS FOR SUPPORT OF BEARING WALL HEADERS UNLESS OTHERWISE NOTED ON FRAMING PLANS

STANDARD EXTERIOR & LOAD BEARING WALL HEADERS

SCALE: NOT TO SCALE





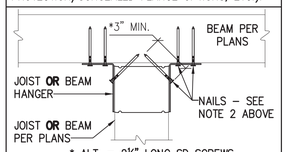
NOTE: ADD AN ADDITIONAL ROW TO ALL DETAILS FOR BEAMS DEEPER THAN 14"

TYPICAL NAILING/BOLTING DETAILS FOR BUILT UP BEAMS

SCALE: NOT TO SCALE

SIMPSON STRONG-TIE METAL CONNECTOR/HANGER SCHEDULE	
MEMBER SIZE	HANGER DESIGNATION
2x10/12 RAFTER	LRU210Z
2x8 JOIST	LUS28 (ALT. HU28Z)
2x10/12 JOIST	LUS210 (ALT. HU210Z)
2-2x10/12	HUS210-2/Z
3-2x10/12	HHUS210-3/Z
9½" TJI230 JOIST	IUS2.37/9.5
11⅞" TJI JOIST	IUS FOR FLANGE WIDTH
14"/16" TJI JOIST	IUS FOR FLANGE WIDTH
2-1¾"x7¼" LVLs	HHUS48
3-1¾"x7¼" LVLs	HU68-MAX
2-1¾"x9¼"/9½" LVLs	HHUS410
3-1¾"x9¼"/9½" LVLs	HHUS5.50/10
4-1¾"x9¼"/9½" LVLs	HHUS7.25/10
2-1¾"x11¼"/11⅞" LVLs	HHUS410
3-1¾"x11¼"/11⅞" LVLs	HHUS5.50/10
4-1¾"x11¼"/11⅞" LVLs	HHUS7.25/10
2-1¾"x14" LVLs	HHUS410
3-1¾"x14" LVLs	HHUS5.50/10
4-1¾"x14" LVLs	HHUS7.25/10
2-1¾"x16" LVLs	HGUS414
3-1¾"x16" LVLs	HGUS5.50/14
4-1¾"x16" LVLs	HGUS7.25/14
2-1¾"x18" LVLs	HGUS414
3-1¾"x18" LVLs	HGUS5.50/14
4-1¾"x18" LVLs	HGUS7.25/14
3-1¾"x20" LVLs	HGUS5.50/14
2-1¾"x24" LVLs	HGUS414
3-1¾"x24" LVLs	HGU5.62SDS H=24"

1. PROVIDE HANGERS AT ALL FLUSH FRAMED LOCATIONS-NOT ALL HANGERS SHOWN IN PLAN.
2. **NAILING PER MANUFACTURERS SPECIFICATIONS. DO NOT USE 1½" LONG NAILS UNLESS SPECIFICALLY REQUIRED BY SIMPSON STRONG TIE**
3. ABOVE NOTED HANGERS ARE TYPICAL U.N.O.
4. SPECIAL ORDER IF SKEW IS REQUIRED.
5. Z-MAX COATED HANGERS ARE TO BE USED WHERE ADD'L CORROSION PROTECTION IS REQ'D.
6. NOTIFY McBRIE, LLC FOR ALTERNATE DESIGNATIONS IF REQ'D (i.e. FOR ALT. CORROSION PROTECTION/CONCEALED FLANGE OPTIONS, ETC.).



TYP. JOIST & BEAM HANGER NAILING
SCALE: NONE

PSL POST SCHEDULE	
MARK	SIZE
■ P1	3½"x3½" PSL
■ P2	3½"x5¼" PSL
■ P3	3½"x7" PSL
■ P4	5¼"x5¼" PSL
■ P5	5¼"x7" PSL
■ P6	7"x7" PSL

CONTRACTOR TO CONTACT McBRIE, LLC AT 978-646-0097 FOR A FINAL FRAMING INSPECTION PRIOR TO INSULATION BEING INSTALLED

NO.	DATE	REVISIONS
1	05/03/24	KITCHEN REVISIONS

PREPARED FOR:
LINCOLN ARCHITECTS, LLC
ONE MOUNT VERNON STREET, SUITE 203
WINCHESTER, MA 01890

PROPOSED CLUB HOUSE
FOX HOPYARD GOLF CLUB
1 HOPYARD ROAD
EAST HADDAM, CT 06423
McBRIE, LLC PROJECT #23-249

DRWN BY: LMB
CHK'D BY: MLP
DATE: 01/12/2024

McBrie, LLC
Structural Design & Sales
797 TURNPIKE ST.
2nd FLOOR
NORTH ANDOVER, MA 01845
TEL. 978-646-0097
FAX 978-646-0087
WWW.McBRIE.COM

STATE OF CONNECTICUT
MATTHEW L. KAVANAUGH
No. 29008
REGISTERED
STRUCTURAL ENGINEER

GENERAL NOTES & SPECIFICATIONS

S1

PROGRAM OF STRUCTURAL TESTS AND INSPECTIONS

FOR COMPLIANCE WITH THE 2021 INTERNATIONAL BUILDING CODE WITH THE STATE OF CONNECTICUT AMENDMENTS.

THE OWNER WILL EMPLOY A TESTING AGENCY (SELECTED BY THE ENGINEER/OWNER) TO PERFORM STRUCTURAL TESTS AND INSPECTIONS AS INDICATED ON THIS SHEET. TEST REPORTS SHALL BE ADDRESSED TO THE OWNER & SENT DIRECTLY TO THE OWNER & MCBRIE, LLC FROM THE TESTING AGENCY.

OWNER:	FOX HOPYARD GOLF CLUB
OWNER'S ADDRESS:	1 HOPYARD ROAD, EAST HADDAM, CT. 06423
ARCHITECT OF RECORD:	GREGORY McINTOSH, LINCOLN ARCHITECTS, LLC
STRUCTURAL ENGINEER OF RECORD (SER):	MICHAEL PERHAM, MCBRIE, LLC

THE FOLLOWING FIRMS, AGENCIES, OR INDIVIDUALS (HEREINAFTER REFERRED TO COLLECTIVELY AS AGENTS) WILL PERFORM THE TESTS AND INSPECTIONS UNDER THE DIRECTION OF THE SER:

ABBREVIATION	AGENT
SER	STRUCTURAL ENGINEER OF RECORD (LISTED ABOVE)
OTS	OWNER'S TESTING SERVICE
N/A	NOT APPLICABLE FOR THIS PROJECT

THE ABBREVIATIONS WILL BE USED TO IDENTIFY WHICH AGENT IS PERFORMING THE PARTICULAR TESTS OR INSPECTIONS.

"IN ACCORDANCE WITH SPECIFICATIONS" IN THE ITEM/SCOPE SHALL INCLUDE THE MASSACHUSETTS STATE BUILDING CODE, CHAPTER 17 AND THE SPECIFICATION FOR EACH MATERIAL AS INDICATED IN THE NOTES ON THIS SHEET (S1) UNDER EACH MATERIAL HEADING

QUALITY ASSURANCE PROGRAM

1. THIS QUALITY ASSURANCE PROGRAM IS PREPARED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE AS AMENDED BY THE MASSACHUSETTS STATE BUILDING CODE.

2. ANY DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD.

3. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

4. MATERIALS AND ACTIVITIES TO BE INSPECTED ARE NOT TO INCLUDE THE CONTRACTOR'S EQUIPMENT OR METHODS USED TO ERECT OR INSTALL THE MATERIALS LISTED.

5. THE FOLLOWING CATEGORIES OF STRUCTURAL TESTS AND INSPECTIONS ARE INCLUDED IN THE PROGRAM FOR STRUCTURAL TESTS AND INSPECTIONS FOR THIS PROJECT. THE SPECIFIC TESTS AND INSPECTIONS REQUIRED FOR EACH CHECKED CATEGORY ARE LISTED IN DETAIL ON THIS SHEET:

- STRUCTURAL STEEL
- CAST-IN-PLACE CONCRETE
- WOOD CONSTRUCTION
- STAIR AND RAILING

6. THE FOLLOWING ITEMS OF CONSTRUCTION ARE SPECIFIED IN THE STRUCTURAL PLANS OR SPECIFICATIONS ON A PERFORMANCE BASIS. IN ACCORDANCE WITH 780 CMR 1705.3.4, THEIR STRUCTURAL DESIGNS WILL BE REVIEWED BY THE SER AND THEIR CONSTRUCTION IS INCLUDED IN THE PROGRAM FOR TESTS AND INSPECTIONS.

- STRUCTURAL STEEL CONNECTIONS

7. THE FOLLOWING ITEMS ARE EXCLUDED FROM THIS QUALITY ASSURANCE PROGRAM SINCE THEY ARE DESIGNED BY OTHER RESPONSIBLE DESIGN PROFESSIONALS NOT UNDER THE AEGIS OF THE STRUCTURAL ENGINEER OF RECORD AND THE STRUCTURAL ENGINEER OF RECORD WAS NOT RETAINED TO PROVIDE PERFORMANCE SPECIFICATIONS FOR THEIR DESIGN. THESE OTHER RESPONSIBLE DESIGN PROFESSIONALS MUST BE ASSIGNED BY THE OWNER OR ARCHITECT, AS APPLICABLE, TO PREPARE A SEPARATE QUALITY ASSURANCE PROGRAM FOR THEIR RESPECTIVE DESIGNS.

- CONTROLLED STRUCTURAL FILL
- IN-SITU BEARING STRATA
- NON-STRUCTURAL ASSEMBLIES

CAST IN PLACE CONCRETE

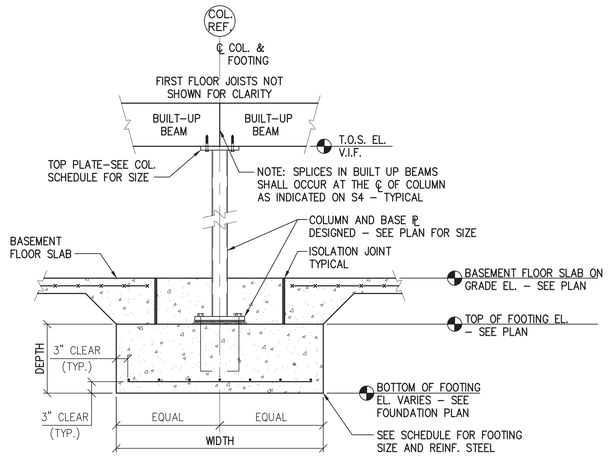
ITEM	AGENT	SCOPE	FREQUENCY
1. CAST IN PLACE CONCRETE CONSTRUCTION QC REVIEW	OTS	REVIEW CONTRACTORS FIELD QC PROCEDURES. REVIEW FREQUENCY AND SCOPE OF FIELD TESTING	AT START OF PROJECT
2. MIX DESIGN	SER	REVIEW MIX DESIGNS PRIOR TO PLACEMENT. VERIFY USE OF REQUIRED MIX DESIGN	PRIOR TO CONCRETE PLACEMENT
3. MATERIAL CERTIFICATIONS	SER	REVIEW MATERIAL CERTIFICATIONS FOR CONFORMANCE TO SPECIFICATIONS.	CONTINUOUS
4. BATCHING PLANT	N/A	REVIEW PLANT QC PROCEDURES AND BATCHING AND MIXING METHODS	AT START OF PROJECT
5. REINFORCEMENT INSTALLATION	SER, OTS	INSPECT REINFORCEMENT FOR SIZE, QUANTITY, CONDITION AND PLACEMENT & GEOMETRY. VERIFY SIZE, SPACING, COVER AND TYING OF DOWELS	PRIOR TO EACH CONCRETE PLACEMENT
6. FORMWORK GEOMERTY	OTS	INSPECT FORMWORK FOR SHAPE, SIZE, LOCATION AND FOR PROPER SIZE OF CONCRETE MEMBERS.	PRIOR TO EACH CONCRETE PLACEMENT
7. ANCHOR RODS, CAST IN CONCRETE AND POST INSTALLED IN HARDENED CONCRETE	OTS	INSPECT RODS FOR SIZE, QUANTITY, TYPE, & EMBEDMENT	CONTINUOUS
8. CONCRETE PLACEMENT	OTS	OBSERVE CONCRETE PLACEMENT OPERATIONS, VERIFY CONFORMANCE TO SPECS, INCLUDING COLD AND HOT WEATHER PLACEMENT PROCEDURES. PERFORM SLUMP, DENSITY AND AIR CONTENT TESTS AT POINT OF DISCHARGE	DURING EACH CONCRETE PLACEMENT TEST ONCE EACH TIME CYLINDERS ARE TAKEN
9. EVALUATION OF CONCRETE STRENGTH	OTS	TEST AND EVALUATE IN ACCORDANCE WITH THE SPECIFICATIONS.	4 CYLINDERS PER BATCH ONCE EACH DAY BUT NOT LESS THAN ONCE FOR EACH 150 CUBIC YARDS OR 5000 SQ. FT. OF SLAB AREA.
10. CURING AND PROTECTION	OTS	OBSERVE PROCEDURES FOR CONFORMANCE TO THE DWGS. & SPECIFICATIONS.	CONTINUOUS
11. IN SITU CONCRETE STRENGTH	N/A	VERIFY STRENGTH OF IN SITU CONCRETE PRIOR TO FORM AND SHORE REMOVAL.	CONTINUOUS
12. ADHESIVE DOWELS & EXPANSION ANCHORS	OTS	ENSURE NO REINFORCING IS CUT DURING HOLE DRILLING. INSPECT RODS & ANCHORS FOR SIZE, QUANTITY, TYPE, AND EMBEDMENT. HOLE CLEANING PROCEDURE PER MANUF. INSTRUCTIONS. VERIFY EPOXY TYPE AND INSTALLATION.	CONTINUOUS
13. VAPOR RETARDER	OTS	INSPECT INSTALLATION OF VAPOR RETARDER FOR COMPLIANCE WITH APPROVED PROCEDURES AND, SPECS AND CONTRACT DOCUMENTS	PERIODIC

STRUCTURAL STEEL

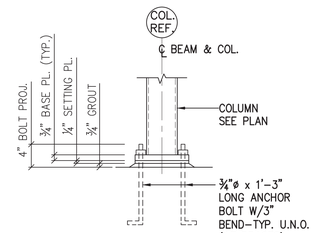
ITEM	AGENT	SCOPE	FREQUENCY
1. STEEL CONSTRUCTION QC REVIEW	SER, OTS	REVIEW CONTRACTORS FIELD QC PROCEDURES. REVIEW FREQUENCY AND SCOPE OF FIELD TESTING	AT START OF PROJECT
2. FABRICATION CERTIFICATION/QC PROCEDURES	N/A	REVIEW FABRICATORS QUALITY CONTROL PROCEDURES.	AT START OF PROJECT, PRIOR TO FABRICATION
3. IN-PLANT INSPECTION DURING FABRICATION	N/A	INSPECT IN-PLANT FABRICATION	PERIODIC
4. MATERIAL CERTIFICATION	SER	REVIEW MATERIAL CERTIFICATIONS FOR CONFORMANCE	PRIOR TO FABRICATION
5. BOLTING	OTS	TEST AND INSPECT BOLTED CONNECTIONS IN ACCORDANCE WITH SPECIFICATIONS. INSPECT SIZE, QUANTITY AND GRADE.	PERIODIC
6. WELDING	OTS	CHECK WELDER QUALIFICATIONS, VISUALLY INSPECT FILLET WELDS, AND TEST FULL PENETRATION FIELD WELDS IN ACCORDANCE WITH THE SPECIFICATIONS.	CONTINUOUS
7. STRUCTURAL FRAMING DETAILS AND ASSEMBLIES	OTS	INSPECT FOR SIZE, GRADE, CAMBER AND INSTALLATION OF CONNECTION DETAILS. CHECK AGAINST APPROVED SHOP DRAWINGS AND CONSTRUCTION DOCUMENTS.	ONGOING AS INSTALLATION PROGRESSES
8. EXPANSION & ADHESIVE ANCHORS	OTS	REVIEW INSTALLATION PROCEDURES FOR BOTH MECHANICAL ANCHORS & ADHESIVE ANCHORS. VERIFY THAT MATERIALS ARE SUITABLE FOR JOB CONDITIONS	DURING FIRST INSTALLATION FOR EACH SIZE/TYPE OF ANCHOR
9. FIELD CORRECTION OF FABRICATED ITEMS	OTS	REVIEW DOCUMENTATION OF RESPONSIBLE RDP APPROVED REPAIR AND VERIFY COMPLETION OF REPAIRS.	ONCE FOR EACH REPAIR

WOOD CONSTRUCTION

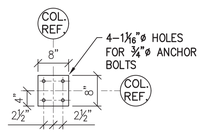
ITEM	AGENT	SCOPE	FREQUENCY
2. MATERIAL GRADING	SER	-REVIEW SPECIES AND GRADES OF LUMBER USED TO ENSURE CONFORMANCE WITH CONSTRUCTION DOCUMENTS -REVIEW TRUSS MEMBERS TO ENSURE CONFORMANCE WITH TRUSS ENGINEERING AND SHOP DRAWINGS	CONTINUOUS
3. CONNECTIONS	SER	-VERIFY THAT ROOF TRUSS AND OTHER WOOD FRAME CONNECTIONS COMPLY WITH CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS	CONTINUOUS
4. FRAMING DETAILS	SER	-VERIFY THE FRAMING CONFIGURATION AND ALIGNMENT OF WALL FRAMING BELOW FLOOR AND ROOF FRAMING IS AS SPECIFIED ON THE CONSTRUCTION DOCUMENTS -VERIFY PERMANENT TRUSS BRACING TO CONFORM WITH PROJECT REQUIREMENTS	CONTINUOUS
5. OTHER	SER	-VERIFY THAT FASTENING OF ALL LATERAL LOAD RESISTING ELEMENTS SUCH AS SHEAR WALLS AND DIAPHRAGMS ARE ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	CONTINUOUS



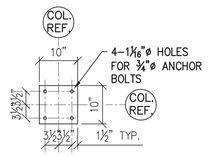
A/S3 TYPICAL INTERIOR COLUMN
SCALE: 3/4" = 1'-0"



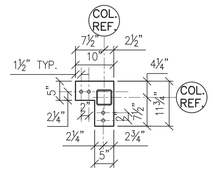
TYPICAL BASE PLATE ELEVATION
SCALE: NONE



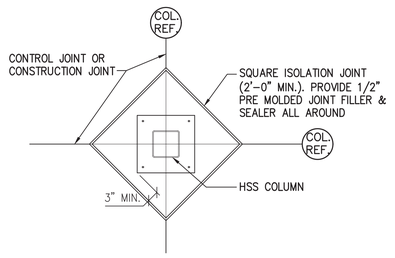
HSS3x3 BASE DETAIL (BP1)



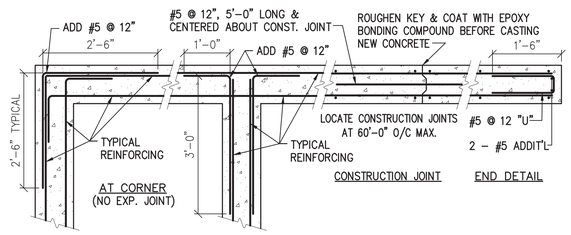
HSS4x4 BASE DETAIL (BP2)



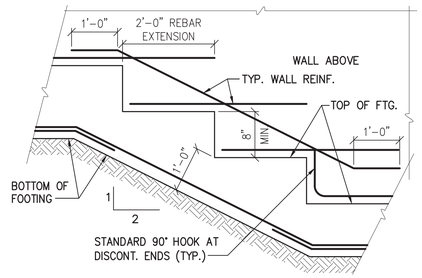
HSS4x4 CORNER BASE DETAIL (BP3)



6/S1 TYPICAL SLAB ISOLATION JOINT DETAIL AT INTERIOR COLUMN
SCALE: NONE

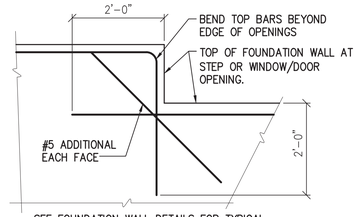


1/S3 TYPICAL FOUNDATION WALL REINFORCING DETAILS
NOT TO SCALE



SEE FOUNDATION PLAN FOR LOCATIONS OF STEPPED FOOTINGS
(TOP OF FOOTING IS SHOWN ON FOUNDATION PLAN)

2/S3 ELEVATION - STEPPED FOOTING DETAIL
NOT TO SCALE



SEE FOUNDATION WALL DETAILS FOR TYPICAL WALL REINFORCING NOT SHOWN FOR CLARITY

3/S3 ELEVATION - STEP IN TOP OF CONCRETE WALL
SCALE: NONE

I-JOIST EQUIVALENTS SCHEDULE

TJI WEYERHAEUSER DESIGNATION	BOISE AJS ALLJOIST DESIGNATION	BOISE BCI JOIST DESIGNATION	COASTAL FOREST PRODUCTS DESIGNATION	NORDIC JOIST DESIGNATION
TJI 230	AJS 20	BCI 60s	-	NI-40X
TJI 360	AJS 25	BCI 60s	-	NI-80
TJI 560	NO EQUIVALENT	BCI 90s	CPI-90	NI-90

NOTE WELL: THE ABOVE TABLE ONLY APPLIES IF NO ALTERNATES ARE CALLED OUT ON THE FRAMING PLANS. NOTIFY McBRIE, LLC IF ALTERNATES ARE REQUIRED DUE TO AVAILABILITY.

WALL SHEATHING, FASTENING & HOLDOWN SCHEDULE

WALL TYPE	SHEATHING TYPE	SIDES	NAIL TYPE	NAIL SPACING EDGE	NAIL SPACING FIELD	HOLDOWN MODEL	ANCHOR ø	NAILS/SCREWS
SHEAR WALL TYPE 1	15/32" STRUCTURAL SHEATHING	EXTERIOR	8d COMMON	6	12	HDU5-SDS2.5	5/8"	2 1/2" SDS SCREWS
SHEAR WALL TYPE 2	15/32" STRUCTURAL SHEATHING	BOTH SIDES	8d COMMON	6	12	HDU8-SDS2.5	7/8"	2 1/2" SDS SCREWS

1. **ALL SHEAR & EXTERIOR WALLS SHALL BE BLOCKED AT HORIZONTAL PLYWOOD SEAMS.**
2. BLOCK & FASTEN ALL SHEAR WALLS W/BLOCKING & ADD'L FRAMING MEMBERS AS REQ'D PER IRC FIGURE R602.10.8(1) & FIGURE R602.10.8(2) (P. 196 OF IRC 2015) SEE SHEET S8
3. ALL NAILS USED ARE TO BE 8d COMMON (8d COMMON = 0.131"ø x 2½" LONG). 16d x 2½" LONG (0.162"ø x 2½") NAILS CAN BE USED AS A SUBSTITUTE.
4. NO SINKER NAILS OR WIRE NAILS ARE TO BE USED FOR ANY WALL SHEATHING-TYP.
5. SEE ARCH. DRAWINGS FOR FINISH SCHEDULES.
6. HOLDOWNS/STRAPS SHALL HAVE A MIN. OF 4-2x POST U.N.O. ON FRAMING PLANS.

CONTRACTOR TO CONTACT McBRIE, LLC AT 978-646-0097 FOR A FINAL FRAMING INSPECTION PRIOR TO INSULATION BEING INSTALLED

NO.	DATE	REVISIONS
1	05/03/24	KITCHEN REVISIONS

PREPARED FOR:
LINCOLN ARCHITECTS, LLC
ONE MOUNT VERNON STREET, SUITE 203
WINCHESTER, MA 01890

PROPOSED CLUB HOUSE
FOX HOPYARD GOLF CLUB
1 HOPYARD ROAD
EAST HADDAM, CT 06423
McBRIE, LLC PROJECT #23-249

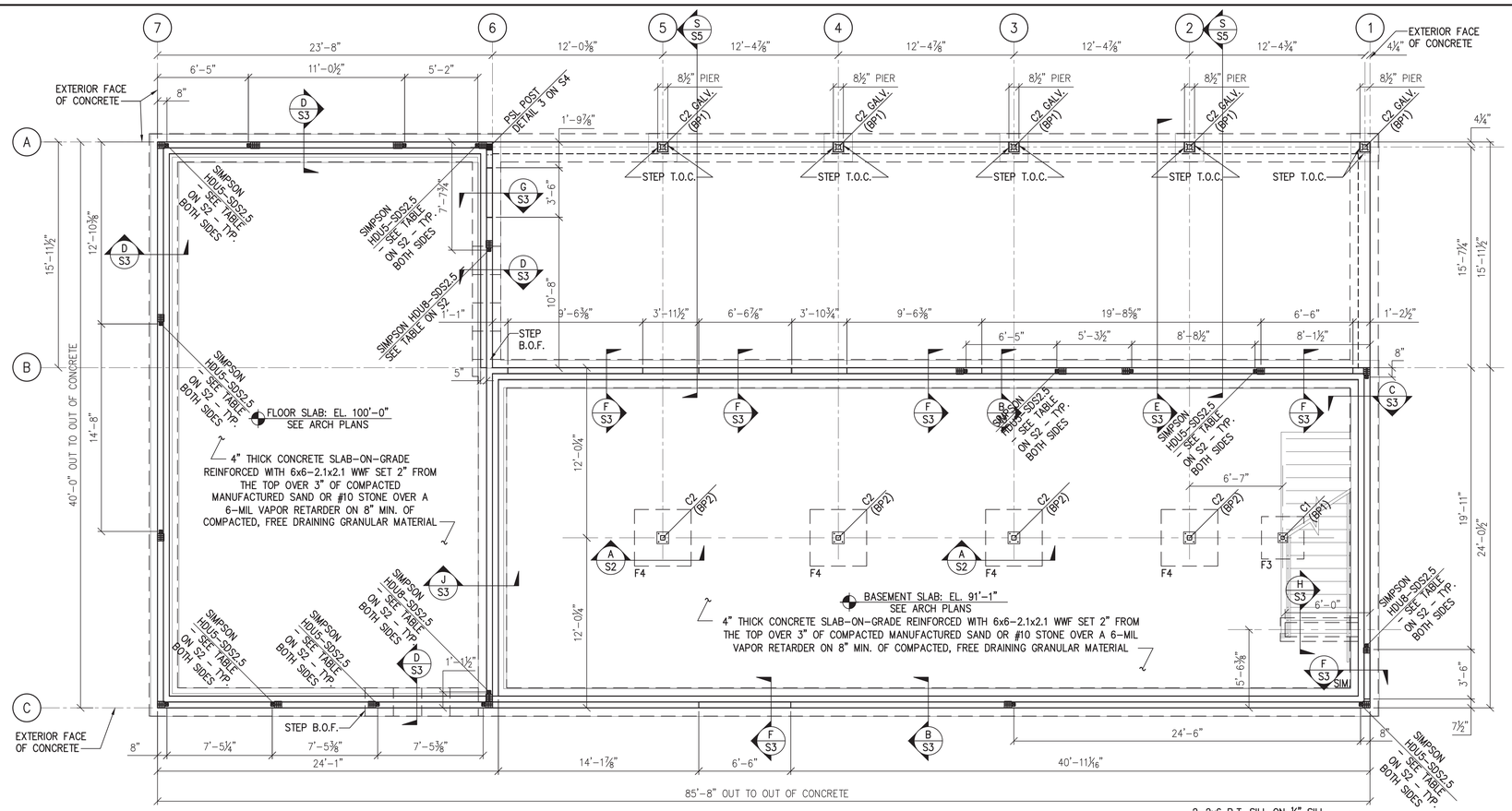
DRWN BY: LMB
CHK'D BY: MLP
DATE: 01/12/2024

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STATE OF CONNECTICUT · MICHAEL T. KAVANAUGH · 25006 · LICENSED STRUCTURAL ENGINEER

PROGRAM OF STRUCTURAL TESTS & SPECIAL INSP. & DETAILS

S2



COLOR KEY – T.O.C. ELEVATIONS
100'-0" = TOP OF FIRST FLOOR SUB FL./SLAB ON GRADE
= EL. 98'-8⅜" SHELF @ WOOD FRAMING
= EL. 99'-4" TOP OF WALL AT PATIO
= EL. 99'-7" TOP OF SHELF AT SLAB ON GRADE
= EL. 100'-0" TOP OF CONCRETE AT DOORS
= EL. 100'-6" TOP OF EXTERIOR PIER
= EL. 100'-8" TOP OF WALL

THE DIMENSIONS INDICATED SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE OWNER/ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.

TOP OF CONCRETE ELEVATIONS ARE TO BE SET IN FIELD AND SHALL BE APPROVED BY THE ARCHITECT & OWNER PRIOR TO THE INSTALLATION OF THE FORMS. **NOTE WELL: THIS DRAWING IS TO BE PRINTED IN COLOR (NOT BLACK AND WHITE) TO DISPLAY THE TOP OF CONCRETE ELEVATIONS. IF THIS DRAWING IS NOT PRINTED IN COLOR, PLEASE CONTACT McBRIE, LLC OR THE ARCHITECT PRIOR TO THE INSTALLATION OF FORMS.**

PROVIDE BASEMENT WINDOWS & VENTILATION AS SHOWN, AS REQUIRED BY CODE AND AS DIRECTED BY THE OWNER/ARCHITECT.

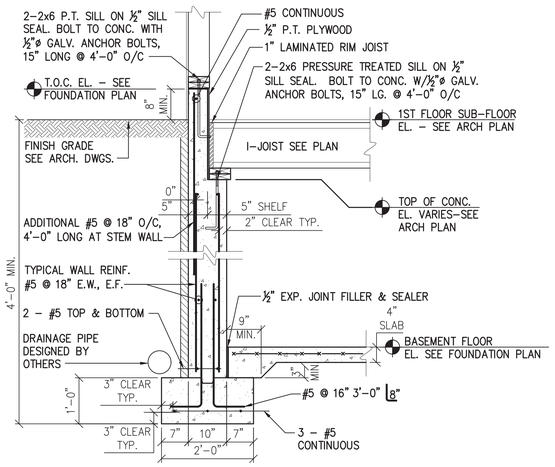
FOUNDATION PLAN
SCALE: ¼" = 1'-0"

COLUMN SCHEDULE		
MARK	COLUMN SIZE	TOP PLATE
C1	HSS3x3x¼	10" LONG x3/4"
C2	HSS4x4x¼	10" LONG x3/4"

STEEL COLUMN TOP PLATES SHALL BE ½" LESS THAN BEAM WIDTH WIDE X LENGTH IN TABLE U.N.O. ON FRAMING PLANS

TOP PLATES FOR COLUMNS SUPPORTING BEAMS FRAMING INTO STAIRWAY WALLS ARE TO BE OFFSET AS NEEDED TO AVOID STEEL OR STRUCTURE IN ANY FINISHED SPACES – TYPICAL.

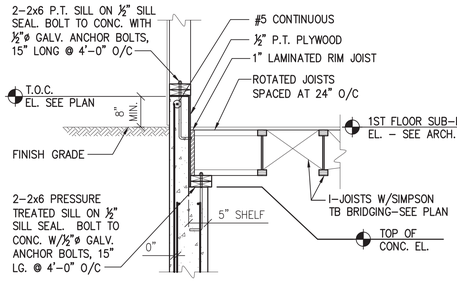
COLUMN CAPS LISTED ABOVE APPLY FOR ALL LOCATIONS U.N.O. ON THE PLANS



ANCHOR BOLTS SHALL BE SUPPLIED AND INSTALLED BY THE FOUNDATION CONTRACTOR – TYPICAL

SEE DETAIL K THIS SHEET FOR FOOTING/WALL SIZE AND REBAR IF FOUNDATION WALLS ARE BACKFILLED PRIOR TO THE INSTALLATION OF THE FIRST FLOOR FRAMING

B S3/S4 FOUNDATION WALL SECTION
SCALE: ¾" = 1'-0"

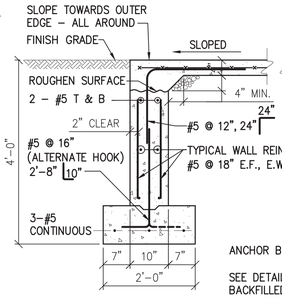


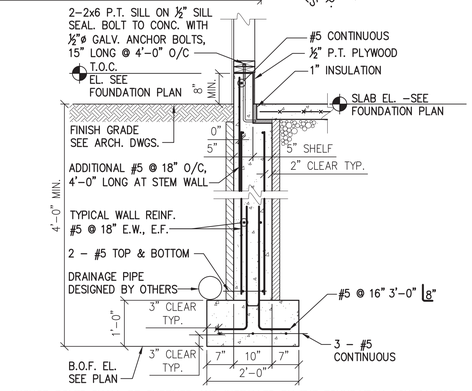
FOR ADDITIONAL INFORMATION NOT SHOWN, SEE SECTION B ON THIS SHEET

SEE DETAIL K THIS SHEET FOR FOOTING/WALL SIZE AND REBAR IF FOUNDATION WALLS ARE BACKFILLED PRIOR TO THE INSTALLATION OF THE FIRST FLOOR FRAMING

DO NOT ALLOW EDGES OF SIMPSON TB BRIDGING TO TOUCH

C S3/S4 FOUNDATION SECTION AT PARALLEL JOISTS
SCALE: 3/4" = 1'-0"

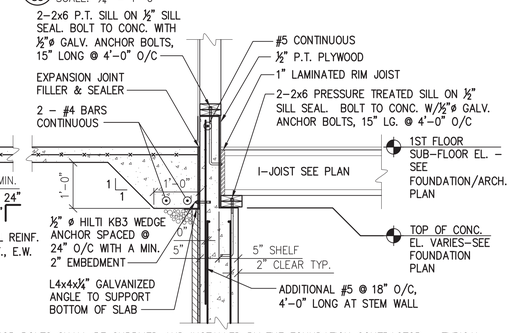




ANCHOR BOLTS SHALL BE SUPPLIED AND INSTALLED BY THE FOUNDATION CONTRACTOR – TYPICAL

SEE DETAIL K THIS SHEET FOR FOOTING/WALL SIZE AND REBAR IF FOUNDATION WALLS ARE BACKFILLED PRIOR TO THE INSTALLATION OF THE FIRST FLOOR FRAMING

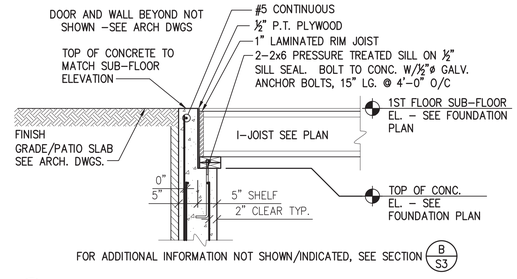
D S3 FOUNDATION WALL SECTION AT SLAB ON GRADE
SCALE: ¾" = 1'-0"



ANCHOR BOLTS SHALL BE SUPPLIED AND INSTALLED BY THE FOUNDATION CONTRACTOR – TYPICAL

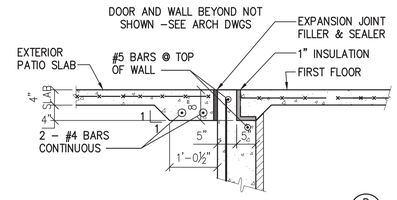
SEE DETAIL K THIS SHEET FOR FOOTING/WALL SIZE AND REBAR IF FOUNDATION WALLS ARE BACKFILLED PRIOR TO THE INSTALLATION OF THE FIRST FLOOR FRAMING

E S3/S4 TYPICAL FROST WALL @ PATIO
SCALE: ¾" = 1'-0"



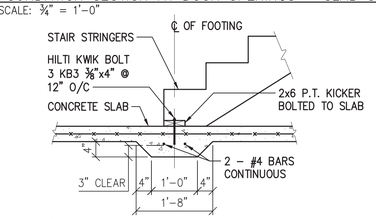
FOR ADDITIONAL INFORMATION NOT SHOWN/INDICATED, SEE SECTION B S3

F S3/S4 FOUNDATION SECTION AT DOOR OPENINGS – WOOD FRAMING
SCALE: ¾" = 1'-0"



FOR ADDITIONAL INFORMATION NOT SHOWN/INDICATED, SEE SECTION B S3

G S3 FOUNDATION SECTION AT DOOR OPENINGS – SLAB ON GRADE
SCALE: ¾" = 1'-0"

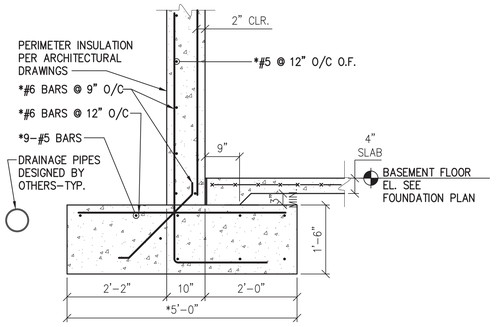


H S3 TYPICAL THICKENED SLAB DETAIL
SCALE: ¾" = 1'-0"

ANCHOR BOLTS SHALL BE SUPPLIED AND INSTALLED BY THE FOUNDATION CONTRACTOR – TYPICAL

SEE DETAIL K THIS SHEET FOR FOOTING/WALL SIZE AND REBAR IF FOUNDATION WALLS ARE BACKFILLED PRIOR TO THE INSTALLATION OF THE FIRST FLOOR FRAMING

J S3 FOUNDATION DETAIL BETWEEN WOOD FRAMING AND SLAB ON GRADE
SCALE: ¾" = 1'-0"



***NOTE WELL:** FOOTING & REBAR SIZE & SPACING SHOWN ABOVE IS ONLY REQ'D IF WALL IS BACKFILLED PRIOR TO THE FLOOR FRAMING (OR TEMP. SHORING) BEING INSTALLED. IF THE FRAMING/TEMP SHORING WILL BE DONE PRIOR TO BACKFILLING OPERATIONS, REFER TO SECTION B/S3 FOR FOOTING & REBAR DETAILS.

ANCHOR BOLTS SHALL BE INSTALLED BY THE FOUNDATION CONTRACTOR–TYP.

K S3 FOUNDATION RETAINING WALL
SCALE: ¾" = 1'-0"

CONTRACTOR TO CONTACT McBRIE, LLC AT 978-646-0097 FOR A FINAL FRAMING INSPECTION PRIOR TO INSULATION BEING INSTALLED

NO.	DATE	REVISIONS
1	05/03/24	KITCHEN REVISIONS

PREPARED FOR:
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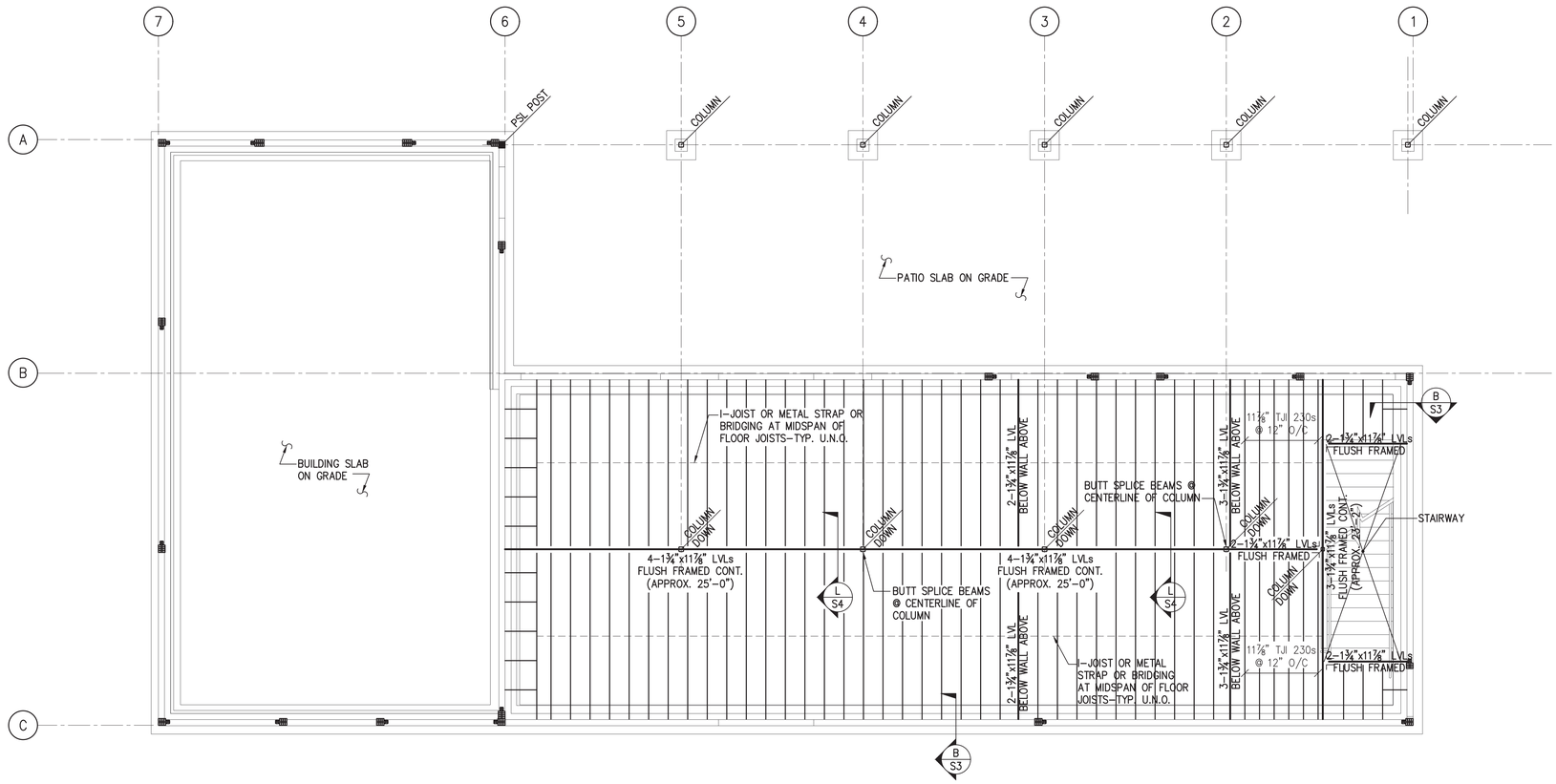
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STATE OF CONNECTICUT
BRIAN T. KAVANAUGH
LICENSED
STRUCTURAL ENGINEER

FOUNDATION PLAN AND DETAILS

S3



FIRST FLOOR JOISTS SHALL BE 11⅞" TJI 230s @ 16" O/C U.N.O. ON FRAMING PLANS

PROVIDE JOIST HANGERS AT ALL FLUSH FRAMED LOCATIONS

BEAM POCKETS SHALL PROVIDE FOR 4" MIN. BEARING LENGTH AND SHALL BE SIZED FOR THE WIDTH AND HEIGHT OF THE PROPOSED BEAM. PROVIDE PRESSURE TREATED TIMBER OR STEEL PLATES BETWEEN MAIN SUPPORT BEAM AND CONCRETE FOUNDATION (BEAM POCKETS).

T.O.S. = TOP OF STEEL (VERIFY ALL ELEVATIONS IN FIELD PRIOR TO FABRICATION.

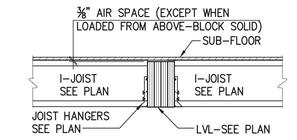
■ = HEADER POSTS SHALL BE PER S1 AND SUPPORT POSTS SHALL BE PER TABLE S1 UNLESS OTHERWISE NOTED (ALL POSTS SHALL BE EQUAL TO OR WIDER THAN BEAM WIDTH). ALL POSTS SHALL BE CONTINUOUS (BLOCKED SOLID) BETWEEN WALL PLATES AT FLOOR FRAMING/SUPPORTING BEAM. DETAIL NUMBER INDICATES PSL POST CONSTRUCTION DETAIL AS INDICATED ON SHEET S?.

▨ = INTERIOR LOAD BEARING WALL

SEE DETAILS 1 & 3 ON S1 FOR ALL HEADERS NOT INDICATED ON PLANS

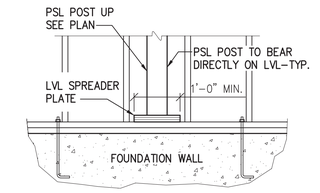
FIRST FLOOR FRAMING PLAN

SCALE: ¼" = 1'-0"



NOTES:
1. STRAPPING FOR CEILING SHALL EXTEND 1/4" MIN. BELOW BOTTOM OF LVLs.
2. DO NOT ATTACH STRAPPING TO BOTTOM OF LVLs

L S4 SECTION AT FLUSH FRAMED LVL
SCALE: NONE



3 S3 TYPICAL PSL POST UP AT FOUNDATION WALL
SCALE: NONE

NO.	DATE	REVISIONS
1	05/03/24	KITCHEN REVISIONS

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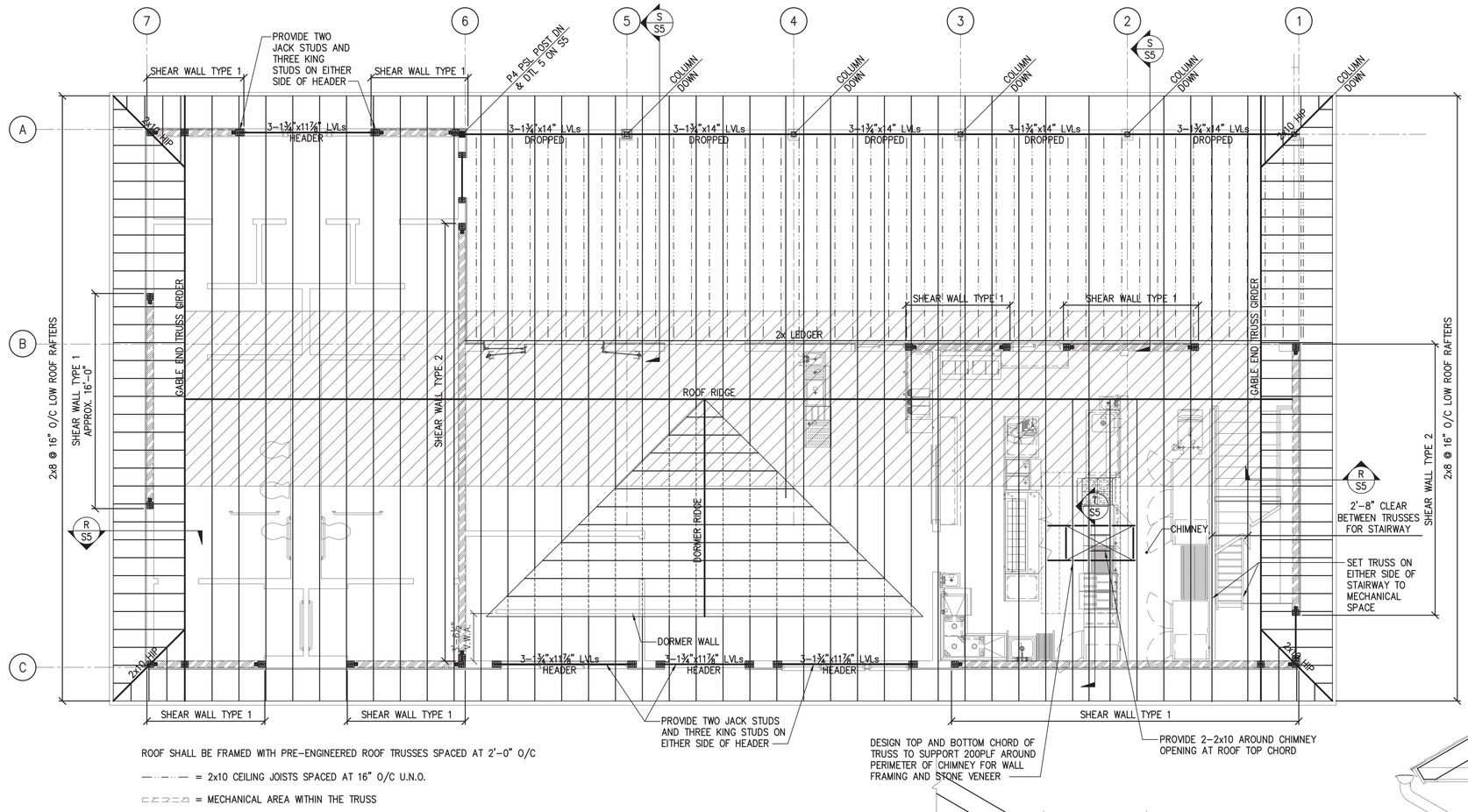
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LICENSED
STRUCTURAL ENGINEER

FIRST FLOOR FRAMING PLAN AND DETAILS

S4

CONTRACTOR TO CONTACT McBRIE, LLC AT 978-646-0097 FOR A FINAL FRAMING INSPECTION PRIOR TO INSULATION BEING INSTALLED



ROOF SHALL BE FRAMED WITH PRE-ENGINEERED ROOF TRUSSES SPACED AT 2'-0" O/C

= 2x10 CEILING JOISTS SPACED AT 16" O/C U.N.O.

= MECHANICAL AREA WITHIN THE TRUSS

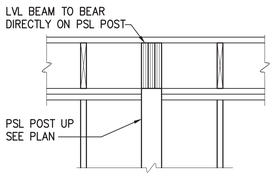
= SHEAR WALL

= HOLDOWN - TYP. EACH END OF SHEAR WALL - SEE TABLE ON S2 FOR SIZE

PROVIDE SIMPSON HURRICANE TIES AT ALL TRUSS TO TOP PLATE CONNECTIONS PER TRUSS DESIGNER

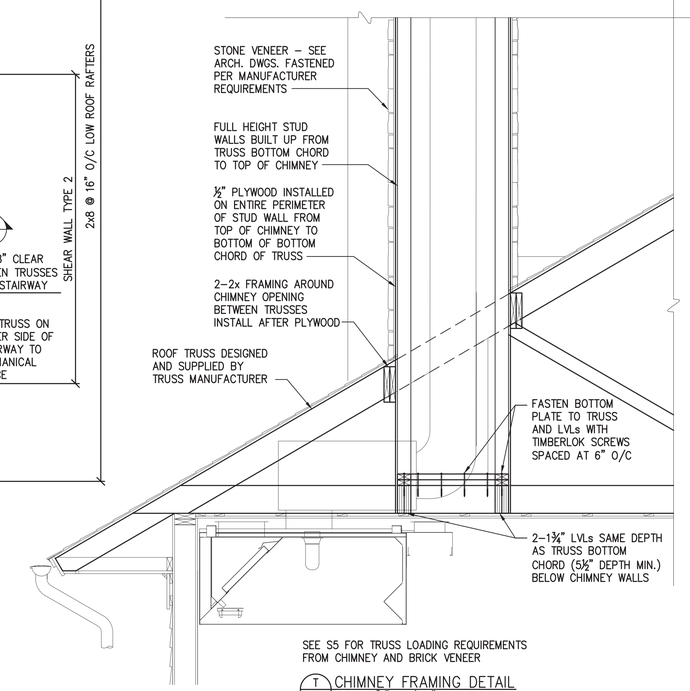
SEE DETAILS 1 & 3 ON S1 FOR ALL HEADERS NOT INDICATED ON PLANS

ROOF FRAMING PLAN
SCALE: ¼" = 1'-0"



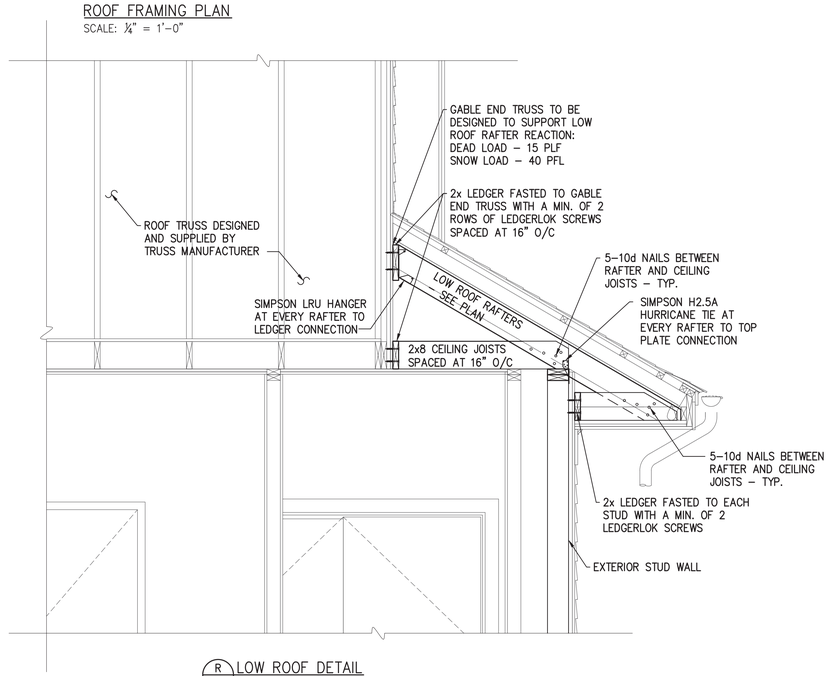
TO BE USED WHERE SPECIFIED ON FRAMING PLANS THAT LVL BEAM TO BEAR DIRECTLY ON POST

5/S5 TYPICAL PSL POST UNDER LVL BEAM
SCALE: NONE

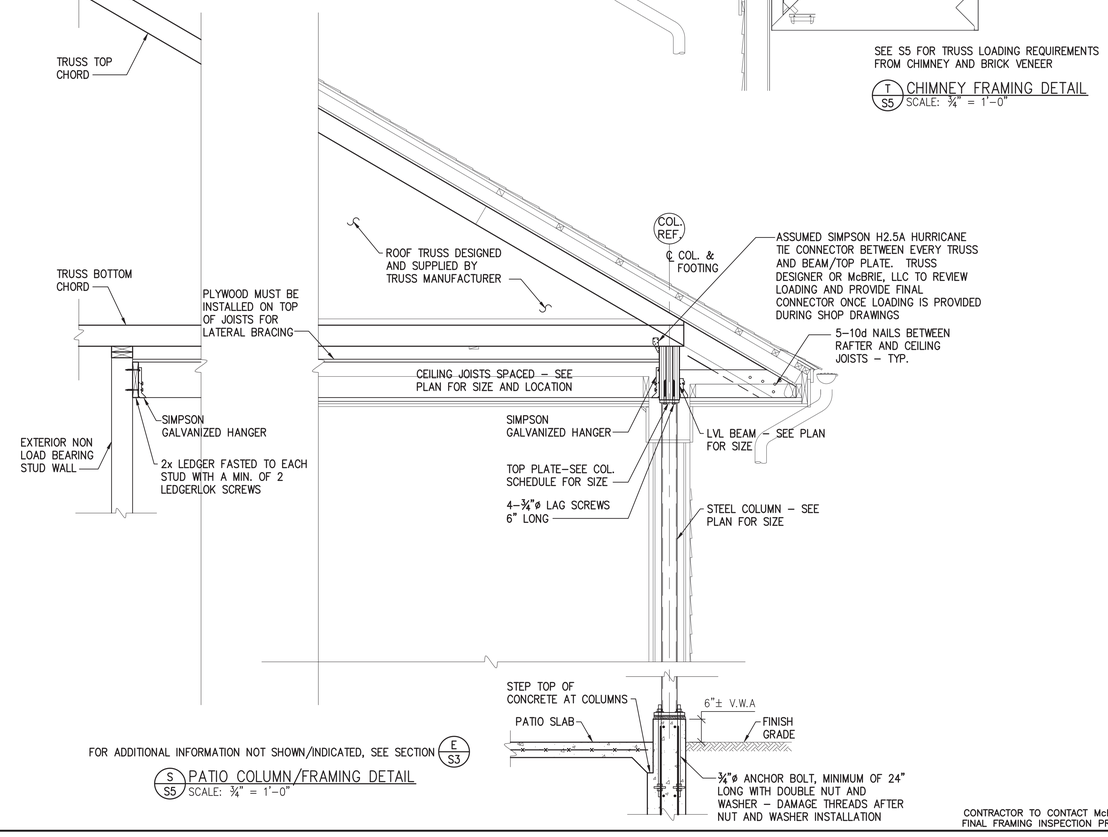


SEE S5 FOR TRUSS LOADING REQUIREMENTS FROM CHIMNEY AND BRICK VENEER

T/S5 CHIMNEY FRAMING DETAIL
SCALE: ¾" = 1'-0"



R/S5 LOW ROOF DETAIL
SCALE: ¾" = 1'-0"



FOR ADDITIONAL INFORMATION NOT SHOWN/INDICATED, SEE SECTION E/S3

S/S5 PATIO COLUMN/FRAMING DETAIL
SCALE: ¾" = 1'-0"

CONTRACTOR TO CONTACT McBRIE, LLC AT 978-646-0097 FOR A FINAL FRAMING INSPECTION PRIOR TO INSULATION BEING INSTALLED

NO.	DATE	REVISIONS
1	05/03/24	KITCHEN REVISIONS

PREPARED FOR:
LINCOLN ARCHITECTS, LLC
ONE MOUNT VERNON STREET, SUITE 203
WINCHESTER, MA 01890

PROPOSED CLUB HOUSE
FOX HOPYARD GOLF CLUB
1 HOPYARD ROAD
EAST HADDAM, CT 06423
McBRIE, LLC PROJECT #23-249

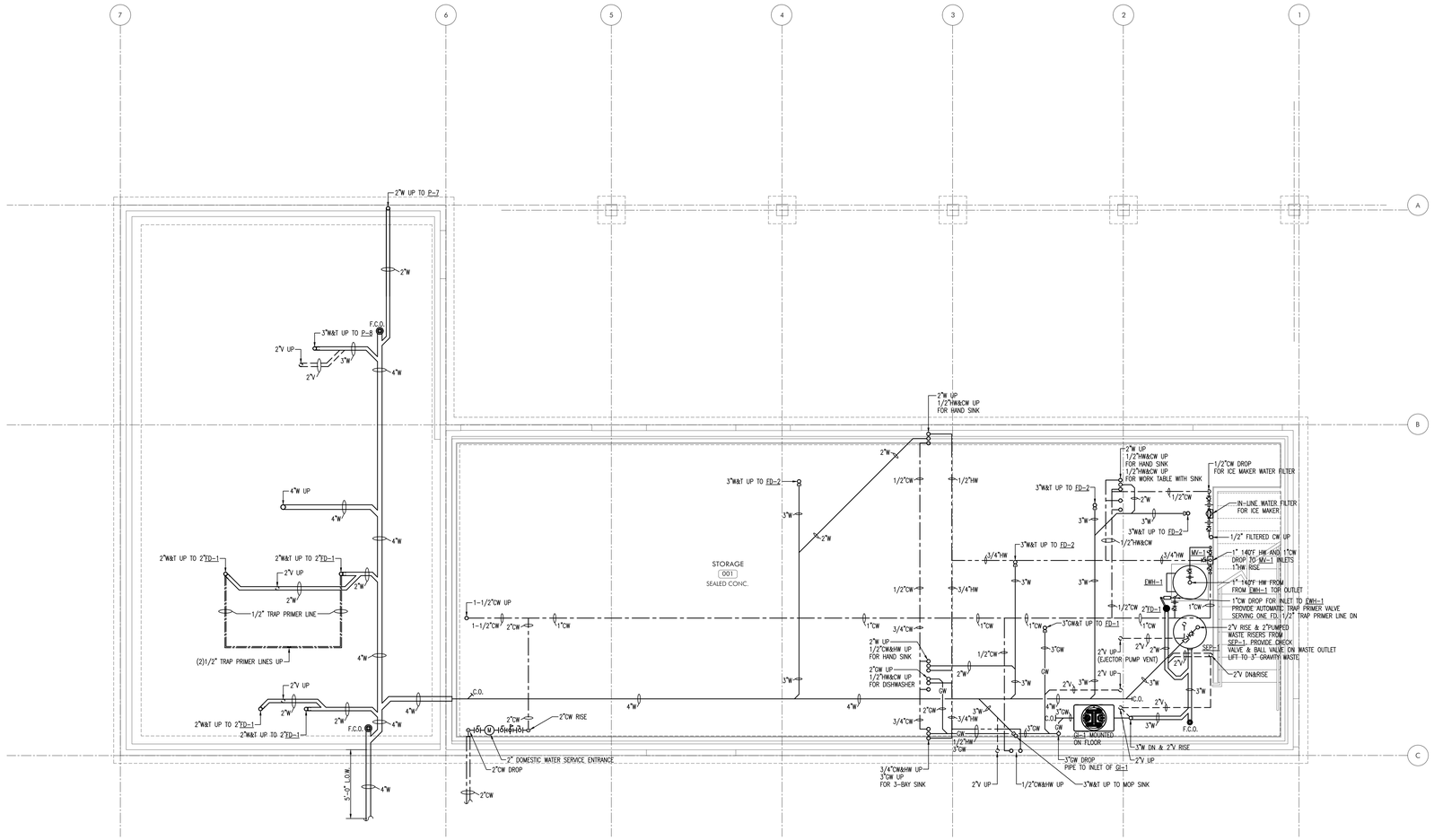
DRWN BY: LMB
CHK'D BY: MLP
DATE: 01/12/2024

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BRENT T. KAVANAUGH
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ROOF FRAMING PLAN AND DETAILS

S5



1 P.1 FOUNDATION/BASEMENT PLUMBING PLAN

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

LINCOLN
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Millbury, MA 01527 *fx:508-865-1401*

Revisions

HOPYARD GOLF CLUB
Proposed Club House
1 Hopyard Road
East Haddam, CT 06423

N

STATE OF CONNECTICUT
KEVIN R. SEAMAN
PEN 0024305
LICENSED
PROFESSIONAL ENGINEER

FOUNDATION PLUMBING PLAN

Project Number
2023.054

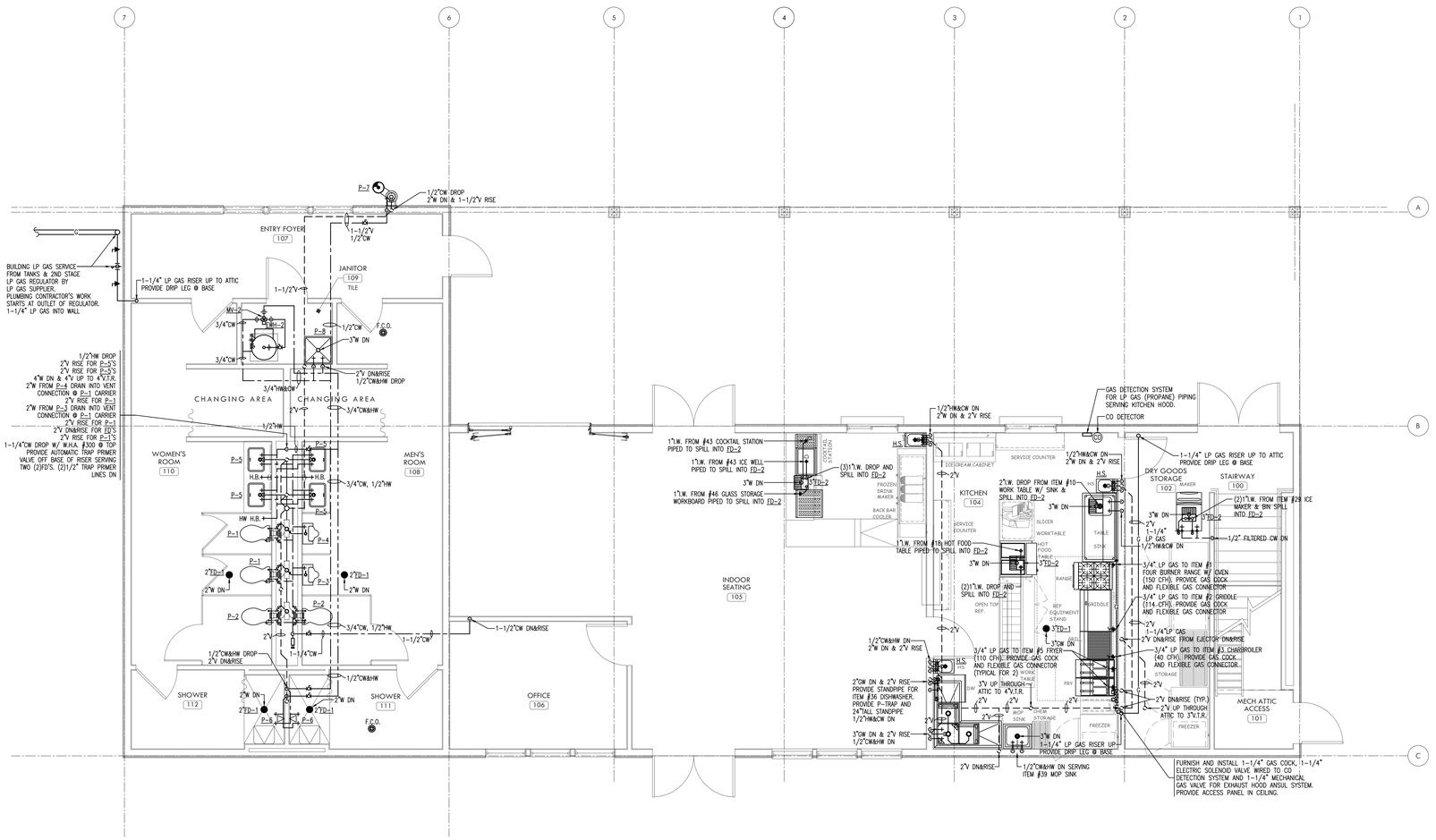
Drawing Scale
1/4"=1'-0"

Drawn By
CDR

Checked By
KRS

Date Issued
5/10/24

P1.1



1 P1.2 FIRST FLOOR PLUMBING PLAN
SCALE: 1/4" = 1' - 0"

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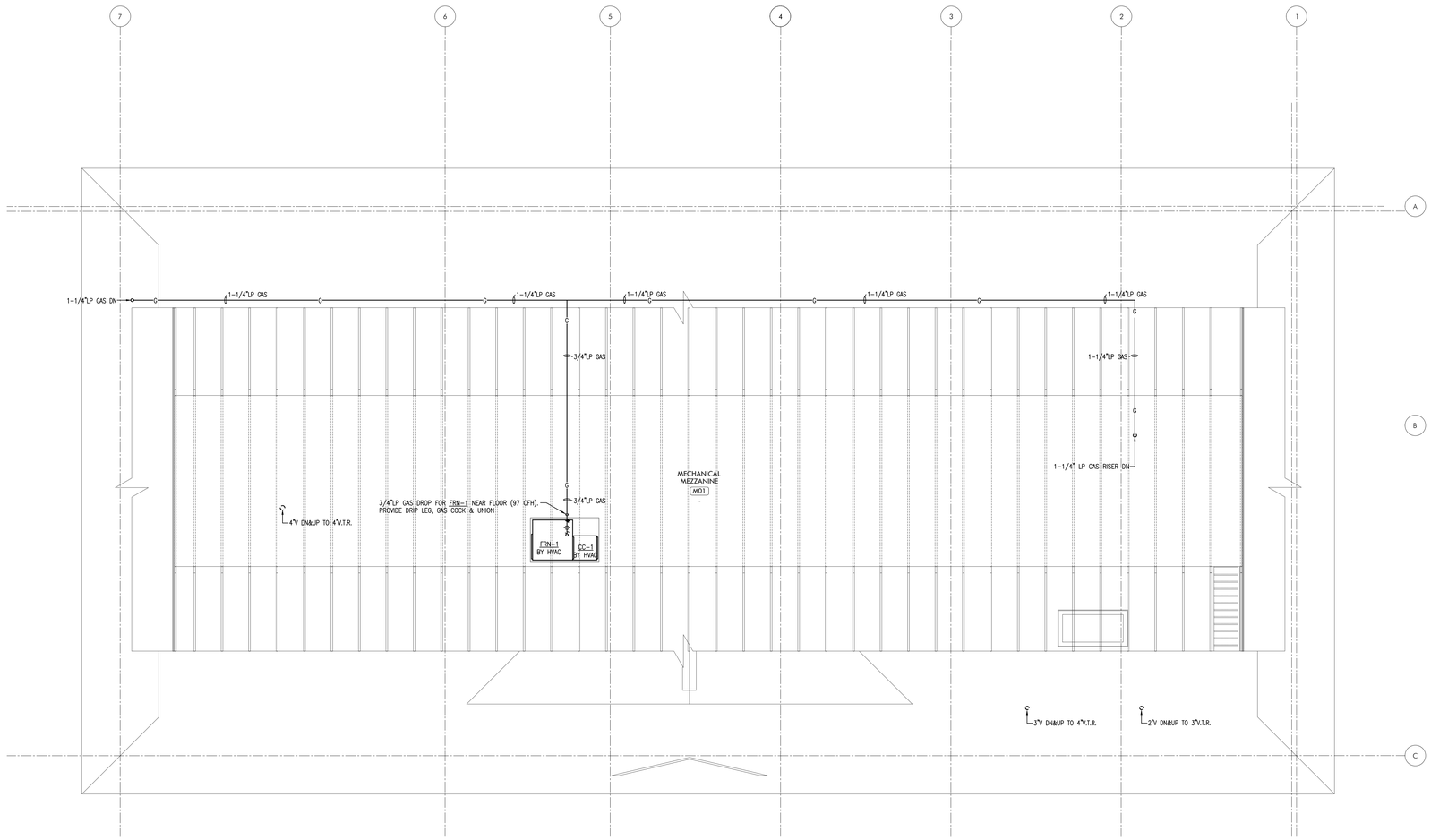
N

STATE OF CONNECTICUT
KEVIN R. SEAMAN
PEN.0024305
LICENSED
PROFESSIONAL ENGINEER

FIRST FLOOR PLUMBING PLAN

Project Number
2023.054
Drawing Scale
1/4"=1'-0"
Drawn By
CDR
Checked By
KRS
Date Issued
5/10/24

P1.2



1 P1.3 ATTIC / MECHANICAL ROOM PLUMBING PLAN

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

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PROFESSIONAL ENGINEER

ATTIC / MECHANICAL
ROOM PLUMBING PLAN

Project Number
2023.054

Drawing Scale
1/4"=1'-0"

Drawn By
CDR

Checked By
KRS

Date Issued
5/10/24

P1.3

PLUMBING FIXTURE SCHEDULE

KEY		P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8
FIXTURE		WALL HUNG WATER CLOSET	WALL HUNG WATER CLOSET (HANIDCAP)	WALL HUNG URINAL	WALL HUNG URINAL (HANIDCAP)	UNDERCOUNTER LAVATORY (HANDICAP)	SHOWER VALVE (HANDICAP)	OUTDOOR WATER FOUNTAIN & BOTTLE FILLER	2'X2' FLOOR MOUNTED MOP SINK
PIPING CONNECTIONS	TRAP	——	——	——	——	1-1/2"	——	1-1/2"	2"
	WASTE	4"	4"	2"	2"	1-1/2"	——	1-1/2"	2"
	VENT	2"	2"	1-1/2"	1-1/2"	1-1/4"	——	1-1/2"	1-1/2"
	CWS	1"	1"	3/4"	3/4"	3/8"	1/2"	1/2"	1/2"
	HWS	——	——	——	——	3/8"	1/2"	——	1/2"
MOUNTING HEIGHT FL. TO RIM		15"	17"	24"	17"	PER ARCH.	BETWEEN 38" & 48" A.F.F.	36" TO SPOUT	——
MATERIAL		VITREOUS CHINA	VITREOUS CHINA	VITREOUS CHINA	VITREOUS CHINA	VITREOUS CHINA	——	——	GELCOAT FIBERGLASS
FITTINGS		SLOAN #3250289 FLUSHOMETER #G2 111-1.28 EXPOSED, BATTERY 1-1/2" TOP SPUD 1.28 GPF SENSOR OPEN FRONT ELONG. SEAT NO LID	SLOAN #3250289 FLUSHOMETER #G2 111-1.28 EXPOSED, BATTERY 1-1/2" TOP SPUD 1.28 GPF SENSOR OPEN FRONT ELONG. SEAT NO LID	SLOAN #3250424 FLUSHOMETER #G2 186-0.5 EXPOSED, BATTERY 3/4" TOP SPUD 0.5 GPF SENSOR	SLOAN #3250424 FLUSHOMETER #G2 186-0.5 EXPOSED, BATTERY 3/4" TOP SPUD 0.5 GPF SENSOR	CHICAGO FAUCETS TOUCH-FREE PROGRAMMABLE LAVATORY FAUCET #116.956.AB.1 WITH MIXING VALVE OFFSET GRID DRAIN	KOHLER HYDRORAIL-S SHOWER COLUMN KIT MODEL #K-76471-G-CP 1.75 GPM INCLUDES FIXED SHOWERHEAD AND HAND-SHOWER W/ SLIDEBAR & HOSE	P-TRAP AND AIR GAP	CHICAGO FAUCETS 2-HANDLE SERVICE SINK FAUCET #897-RCF MOP HANGER & HOSE BRACKET
	MANUF.	KOHLER	KOHLER	KOHLER	KOHLER	KOHLER	KOHLER	ELKAY	FIAT
	MODEL	KINGSTON K-4325	KINGSTON K-4325	BARDON K-4904-ET	BARDON K-4904-ET	LADENA K-2214	TRITON RITE-TEMP VALVE KIT K-8304	LK4408BF	MSBID-2424

EWH-1	A.O. SMITH COMMERCIAL ELECTRIC TANK-TYPE WATER HEATER MODEL #DRE-80-18 OR APPROVED EQUAL BY RUUD, HTP, AMERICAN STANDARD, BRADFORD WHITE OR RHEEM; 80 GALLON CAPACITY, 18 kW ELECTRICAL INPUT, 74 USGPH @ 100°F RISE, 60-1/4" TALL, 25-1/2" DIAMETER, 280 LBS SHIPPING WEIGHT, 1-1/4" NPT CW&HW CONNECTIONS, THREE (3) 6 kW ELEMENTS, 208V-3ø, F.L.A. = 50 AMPS. MOUNT ON DRAIN PAN ON CONCRETE HOUSEKEEPING PAD IN BASEMENT.
EWH-2	A.O. SMITH COMMERCIAL ELECTRIC TANK-TYPE WATER HEATER MODEL #DRE-50-18 OR APPROVED EQUAL BY RUUD, HTP, AMERICAN STANDARD, BRADFORD WHITE OR RHEEM; 50 GALLON CAPACITY, 18 kW ELECTRICAL INPUT, 74 USGPH @ 100°F RISE, 55-3/4" TALL, 21-3/4" DIAMETER, 265 LBS SHIPPING WEIGHT, 1-1/4" NPT CW&HW CONNECTIONS, THREE (3) 6 kW ELEMENTS, 208V-3ø, F.L.A. = 50 AMPS. MOUNT ON DRAIN PAN ON CONCRETE HOUSEKEEPING PAD IN JANITORS CLOSET
TOILET SEAT	ZURN #Z5950 SERIES COMMERCIAL HEAVY DUTY TOILET SEAT, MODEL #Z5955SS-EL-AM-STS ELONGETED, WHITE, OPEN FRONT SEAT WITH ANIT-MICROBIAL PROTECTION & SELF-SUSTAINING STAINLESS STEEL CHECK HINGE
MV-1	LEONARD VALVE COMPANY MODEL #XL-32A-LF-BDT LEAD FREE HIGH LOW THERMOSTATIC MIXING VALVE 3/4" INLETS & OUTLET, 1.0 GPM MINIMUM FLOW, 16 GPM @ 10 PSI PRESSURE DROP RATED FLOW, 120°F OUTLET TEMP.
MV-2	HONEYWELL MODEL #AM101-US-1LF LEAD FREE THERMOSTATIC MIXING VALVE 3/4" INLETS & OUTLET, 0.5 GPM MINIMUM FLOW, 12 GPM @ 10 PSI PRESSURE DROP RATED FLOW, 112°F OUTLET TEMP.
FD-1	FLOOR DRAIN FD1: ZURN MODEL #ZN415-2NH-5B-P, 2" NO-HUB CAST IRON FLOOR DRAIN WITH 5" ROUND STRAINER, 1/2" TRAP PRIMER CONNECTION.
FD-2	FLOOR DRAIN FD2: ZURN MODEL #ZN1901-K-3, 3" NO-HUB CAST IRON SANITARY FLOOR SINK, 8" DEEP WITH ACID RESISTING INTERIOR, DOUBLE DRAINAGE FLANGE WITH WEEPHOLES, BOTTOM OUTLET, ALUMINUM DOME STRAINER, NIKALOY SANITARY SLOPED RIM AND NIKALOY ANTI-TILTING 3/4 GRATE
FD-3	FLOOR DRAIN FD3: ZURN MODEL #ZN415-7B W/ZB329-9, 2" NO-HUB CAST IRON FLOOR DRAIN WITH 7" ROUND STRAINER WITH 9"X3-1/2" OVAL RECEPTOR FUNNEL
GI-1	INTERIOR GREASE INTERCEPTOR GI-1: SHIER "GREAT BASIN" MODEL #GB2, 130 LBS GREASE CAPACITY @ 35 GPM, 3" PLAIN END FITTINGS; BUILT-IN FLOW CONTROL; ROTATIONALLY-MOLDED POLYETHYLENE; COVER SHALL PROVIDE WATER / GAS TIGHT SEAL AND HAVE MINIMUM 450 LBS LOAD CAPACITY
TRAP PRIMER	TRAP PRIMER VALVE TP1: PPP MODEL #PR-500, AUTOMATIC TRAP PRIMER VALVE SERVING 1 - 2 FLOOR DRAINS
HOSE BIB	HOSE BIB H.B.: WOODFORD MODEL #24 INTERIOR HOSE BIB, CHROME PLATED, VACUUM BREAKER, HOSE CONNECTION, LOOSE T-KEY
SEP-1	LIBERTY PUMPS PRE-ASSEMBLED SEWERAGE EJECTOR SYSTEM MODEL #702/LE41A/A2; 4/10 HP, 115V-1ø; 2" DISCHARGE SIZE; 94 LBS STRUCTURAL FOAM BASIN, 24"ø X 36"H, 70 GALLON CAPACITY, 4" INLET HUB, TORQUE-STOPS TO POSITION PUMP; PROVIDE MODEL #ALM-2 PRE-MOUNTED ALARM FLOAT SYSTEM

1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL DIMENSIONS ARE AS IS UNLESS NOTED OTHERWISE ON DRAWINGS.
3. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT AND ALL APPLICABLE CODES BEFORE INSTALLATION.
4. PROVIDE WHEELCHAIR LAVATORY STRAINERS ON HANDICAP LAVATORY. INSTALL PVC COATED INSULATION ON PIPING BELOW HANDICAP LAVATORY.
5. PIPE INSULATION UNDER FIXTURE P-5 SHALL BE TRUEBRO LAV GUARD MODEL #103, IF NOT ENCLOSED BY ARCHITECTURAL SHROUD.

PLUMBING NOTES:

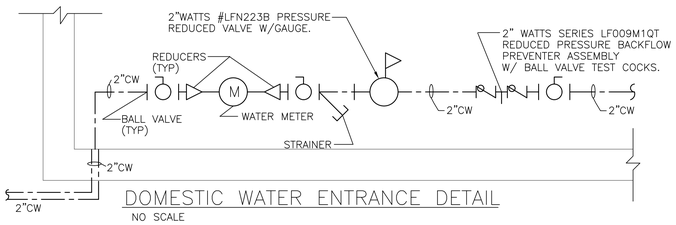
1. CONTRACTOR RESPONSIBLE FOR PROVIDING ALL MATERIAL, LABOR, SUPERVISION AND TRANSPORTATION REQUIRED TO COMPLETE THE WORK DESCRIBED ON THESE DRAWINGS AND IN THE SPECIFICATIONS UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATION IN THE FIELD.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
4. ALL PIPING TO BE INSTALLED PER LOCAL, STATE, AND FEDERAL CODES.
5. CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS & MODIFICATIONS AS REQUIRED TO CLEAR BUILDING STRUCTURES.
6. LP GAS PIPING SHALL BE SCREWED SCHEDULE 40 STEEL. ALL NEW NATURAL GAS PIPING SHALL BE CLEARLY LABELED OR PAINTED "SAFETY" YELLOW TO DESIGNATE "GAS PIPING".
7. ALL PIPING TO BE PRESSURE TESTED BEFORE INSULATION. LEAVE VALVES OPEN, READY FOR OPERATION.
8. INSULATE ALL COLD AND HOT WATER LINES INSTALLED. WITH FIBERGLASS PIPE INSULATION, SEE SPEC.
9. REPAIR OF ANY DAMAGE TO THE NEW CONSTRUCTION DURING THE EXECUTION OF THIS WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
10. ALL EXPOSED PIPING/FITTINGS TO BE CHOME PLATED COPPER/BRASS.
11. ALL WATER SUPPLY PIPING TO BE RIGID TYPE L COPPER UNLESS STATED OTHERWISE.
12. ALL WASTE AND VENT PIPING TO BE PVC OR CAST IRON OR DWV COPPER.
13. ALL WASTE PIPING 4" AND UNDER TO HAVE A CLEANOUT EVERY 50 FT AND AT EACH CHANGE IN PIPE SIZE. NOT ALL CLEANOUTS SHOWN ON DRAWINGS. CLEANOUTS SHALL BE EVERY 100 FT PER PIPING OVER 4" IN SIZE.
14. PIPING RUNS ARE SHOWN AS REPRESENTATIVE OF REQUIRED SIZES. ROUTING MAY BE CHANGED BY CONTRACTOR AS NECESSITATED BY STRUCTURAL CONSIDERATIONS.
15. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATION OF PLUMBING FIXTURES.
16. A WATER HAMMER ARRESTOR (MECHANICAL DEVICE) SHALL BE ISNTALLED ON EACH SUPPLY LINE (HOT AND COLD) AT ALL SINKS AND RESTROOMS (METERING FAUCETS).
17. ALL DOMESTIC AND WASTE PIPING IS DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE TO PROVIDE COMPLETE AND WORKING FIXTURES.

LP GAS (PROPANE) PIPING NOTES:

1. CONTRACTOR RESPONSIBLE FOR PROVIDING ALL MATERIAL, LABOR, SUPERVISION AND TRANSPORTATION REQUIRED TO COMPLETE THE WORK DESCRIBED ON THESE DRAWINGS.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATION IN THE FIELD.
3. ALL PIPING TO BE INSTALLED PER LOCAL, STATE AND FEDERAL CODES.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PLUMBING PERMITS.
5. ALL INTERIOR PIPING WILL BE SCHEDULE 40 BLACK STEEL PIPE W/ THREADED TYPE STEEL FITTINGS FOR PIPE SIZES 2" & BELOW. MALLEABLE OR DUCTILE IRON SCREW TYPE FITTINGS WILL BE USED. CAST IRON FITTINGS ARE NOT ALLOWED.
6. VALVES: ALL VALVES WILL BE AGA APPROVED WITH AGA STAMPED ON VALVE BODY.
7. PIPE SYSTEM WILL BE PRESSURE TESTED TO 1.5 TIMES THE SYSTEM OPERATING PRESSURE, BUT NO LESS THEN 3 PSIG.
8. AFTER TESTING AND PRIOR TO PLACING PIPE SYSTEM IN SERVICE, THE GAS PIPE LINE WILL BE PURGED WITH CO2 OR NITROGEN GAS TO EXPEL AIR PRIOR TO CHARGING WITH FUEL GAS.

KEY

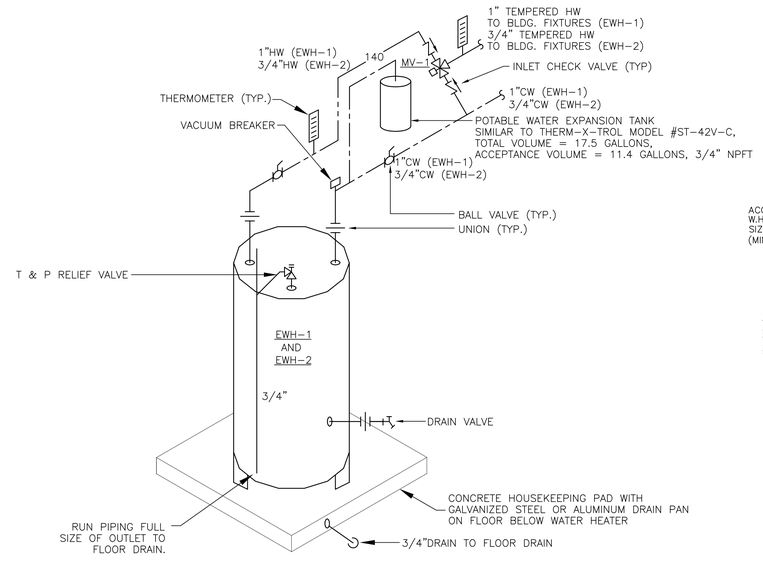
	UNDERGROUND WASTE PIPING
GW	UNDERGROUND GARAGE WASTE PIPING
	UNDERGROUND VENT PIPING
	UNDERGROUND COLD WATER PIPING
	SANITARY WASTE PIPING (W)
	SANITARY VENT PIPING (V)
	COLD WATER PIPING (CW)
	HOT WATER PIPING (HW)
	PIPE DROP
	PIPE RISE
	BALL VALVE
	DIELECTRIC UNION
	FIXTURE STOP
	BACKFLOW PREVENTER
	PRESSURE REDUCING VALVE
H.B.	HOSE BIBB
FPSC	FREEZE PROOF SILLCOCK
FD	FLOOR DRAIN
C.O.	CLEANOUT
F.C.O.	FLOOR CLEANOUT
W.C.O.	WALL CLEANOUT
W.H.A.	WATER HAMMER ARRESTOR
V.T.R.	VENT THRU ROOF
P-#	PLUMBING FIXTURE/ EQUIPMENT CALLOUT
A.P.	ACCESS PANEL



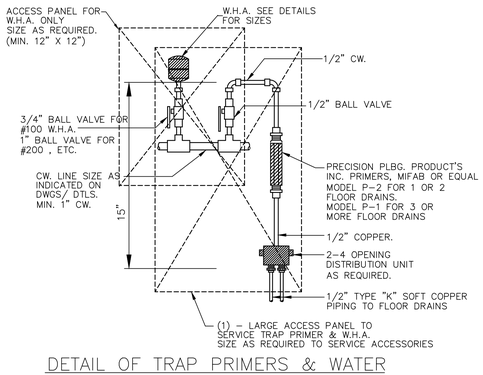
DOMESTIC WATER ENTRANCE DETAIL
NO SCALE

GENERAL NOTES:

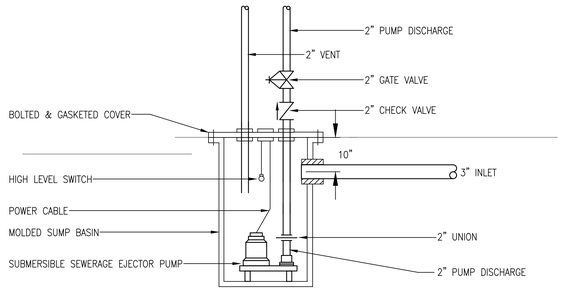
1. OBTAIN PROPER SIZE AND TYPE WATER METERS FROM WATER DEPARTMENT. VERIFY WATER SERVICE CONFIGURATION WITH LOCAL WATER DEPARTMENT PRIOR TO INSTALLATION.
2. SECURELY SUPPORT SERVICES WITH COPPER CLAD HANGERS AND SUPPORTS.
3. PROVIDE PRESSURE GUAGES AT EACH SIDE OF PRESSURE REDUCING VALVE ASSEMBLY.
4. STATIC PRESSURE AT SITE IS UNKNOWN, BUT PRV IS REQUIRED FOR THIS BUILDING.



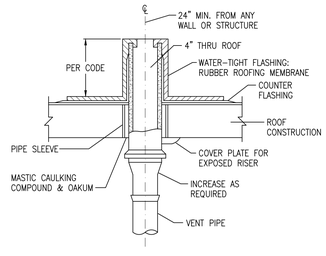
ELECTRIC WATER HEATER DETAIL (EWH-1 & 2)
NO SCALE



DETAIL OF TRAP PRIMERS & WATER HAMMER ARRESTORS
NOT TO SCALE



SEWERAGE EJECTOR PUMP DETAIL (SP-1)
NO SCALE



VENT THRU ROOF DETAIL
NO SCALE

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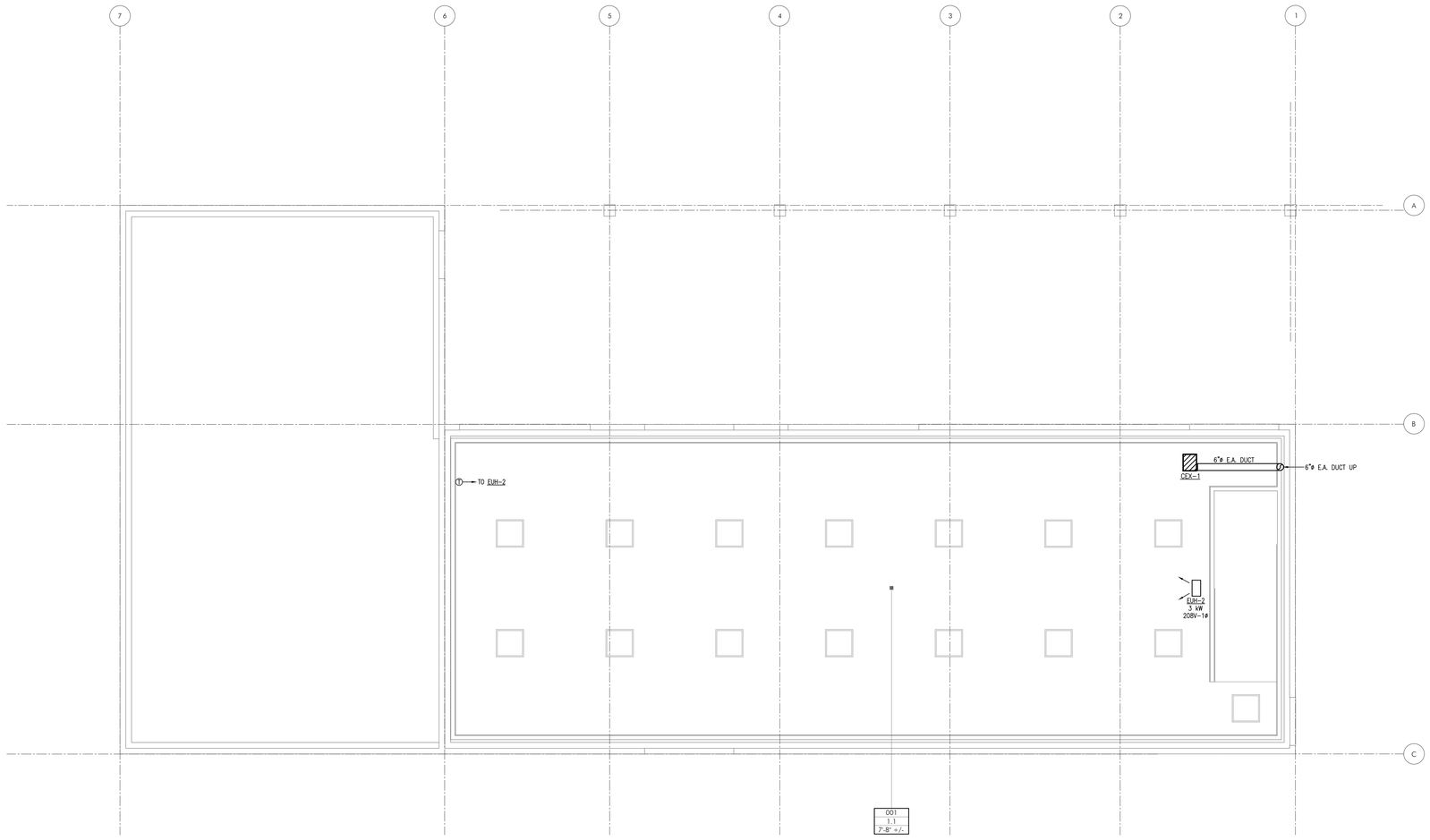
N

STATE OF CONNECTICUT KEVIN R. SEAMAN PEN.0024305 LICENSED PROFESSIONAL ENGINEER

PLUMBING DEAILS, NOTES & SCHEDULES

Project Number 2023.054
Drawing Scale AS NOTED
Drawn By CDR
Checked By KRS
Date Issued 5/10/24

P2.1



1 A1.1 FOUNDATION/BASEMENT PLAN
SCALE: 1/4" = 1' - 0"

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LICENSED
PROFESSIONAL ENGINEER

FOUNDATION/BASEMENT
HVAC PLAN

Project Number
2023.054

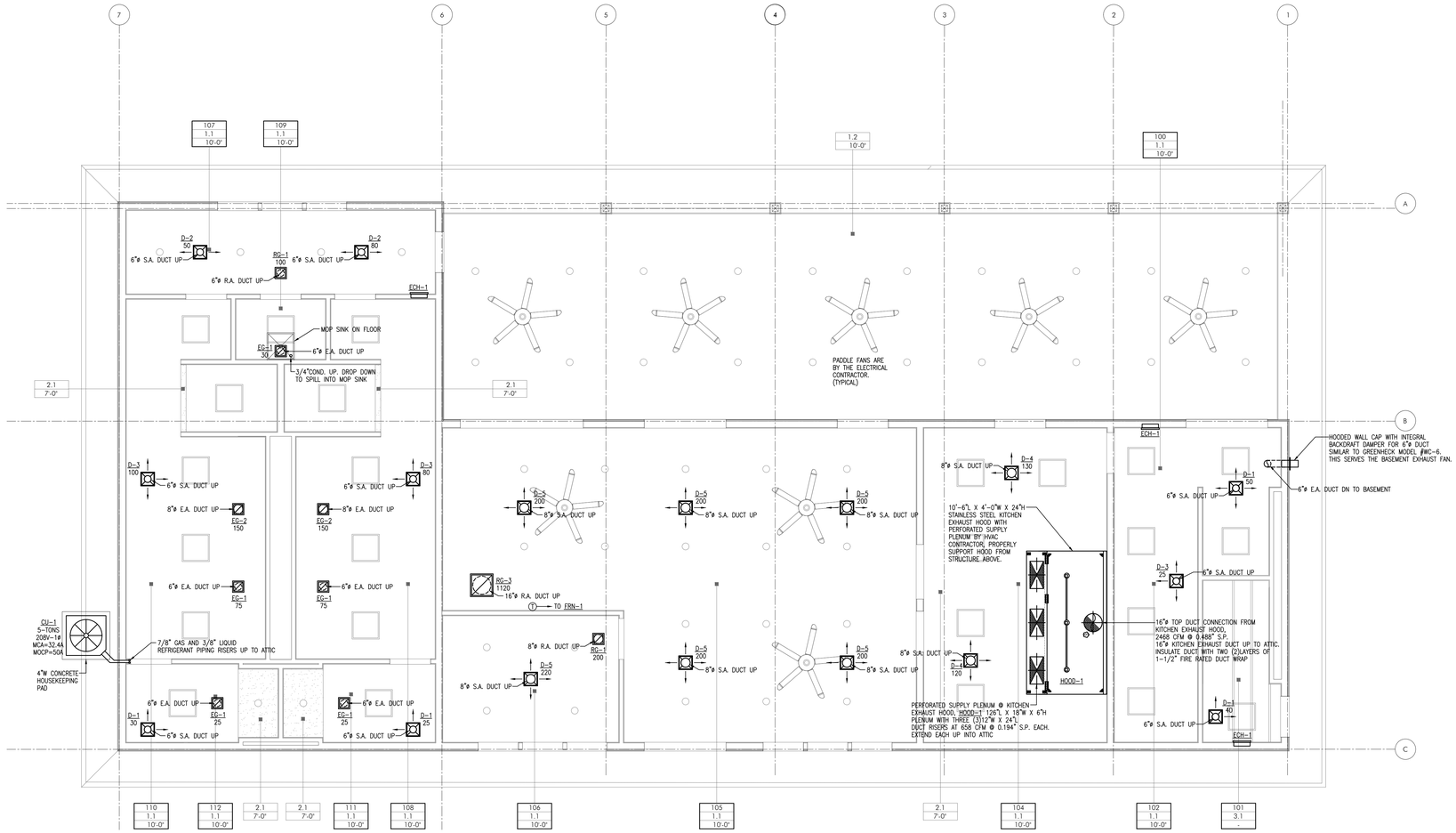
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CDR

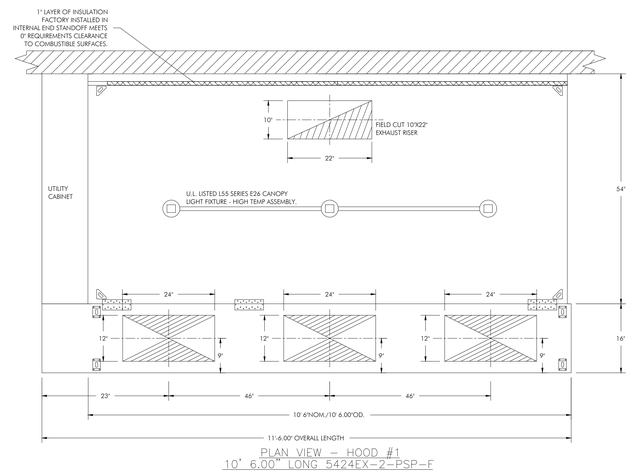
Checked By
KRS

Date Issued
5/10/24

H1.1



1 H1.2 FIRST FLOOR HVAC PLAN
SCALE: 1/4" = 1' - 0"



PLAN VIEW – HOOD #1
10' 6.00" LONG 5424EX-2-PSP-F

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Revisions

HOPYARD GOLF CLUB
Proposed Club House
1 Hopyard Road
East Haddam, CT 06423

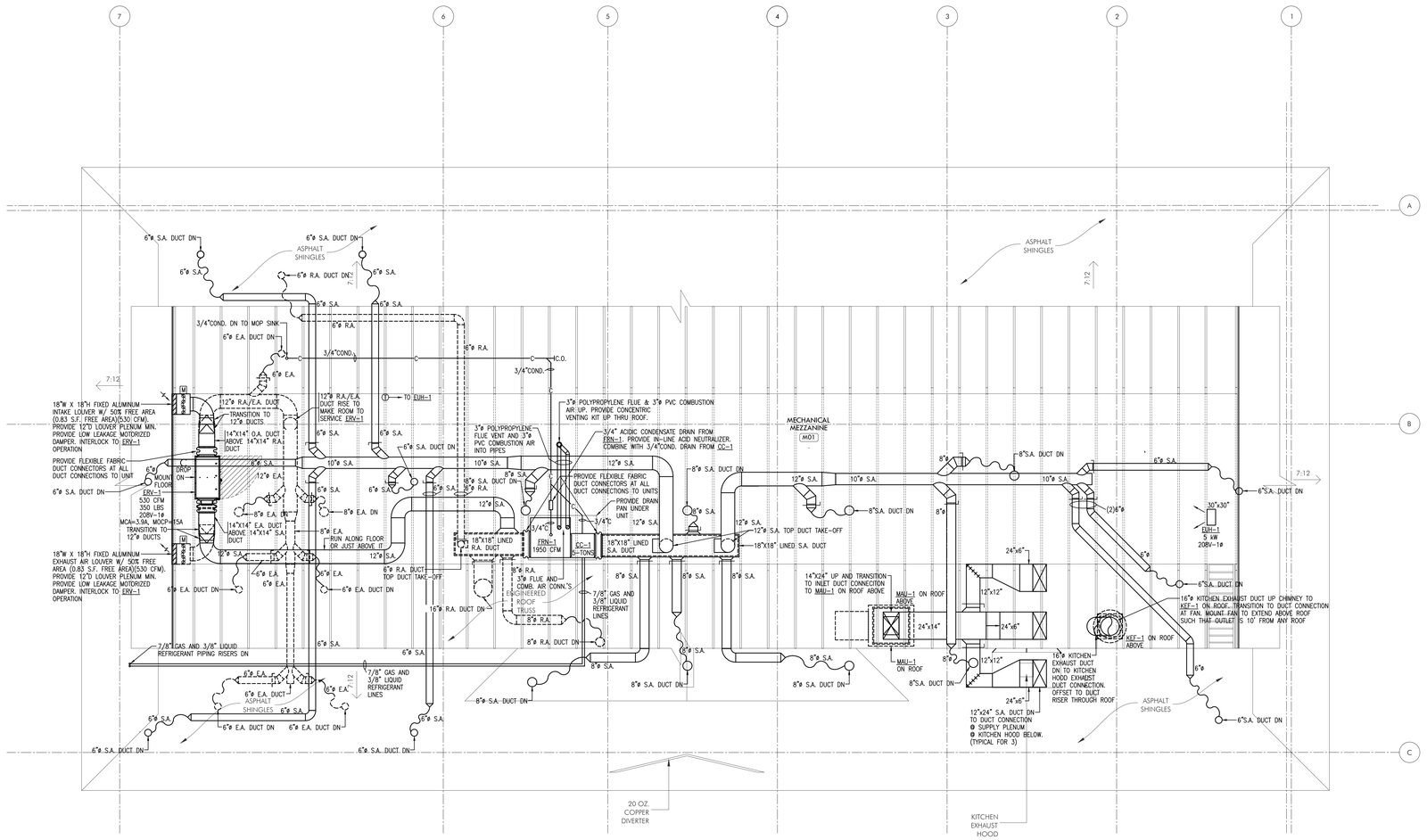
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STATE OF CONNECTICUT KEVIN R. SEAMAN PEN.0024305 LICENSED PROFESSIONAL ENGINEER

FIRST FLOOR HVAC PLAN

Project Number 2023.054
Drawing Scale 1/4"=1'-0"
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H1.2



1 H1.3 ATTIC / MECHANICAL ROOM HVAC PLAN
SCALE: 1/4" = 1' - 0"

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H1.3

FAN SCHEDULE

			KEF-1	CEX-1
	UNIT NUMBER		KEF-1	CEX-1
	SERVICE		KITCHEN 104, HOOD-1	BASEMENT
FANS	MANUFACTURER		ECONOAIRE	GREENHECK
FANS	MODEL #		EADU85H	SP-B110
FANS	C.F.M.		2,468	75
FANS	TOTAL EXTERNAL STATIC PRESS. (IN WG)		0.90"	0.4"
FANS	FAN RPM		1571	772
FANS	FAN BHP OR WATTS		–	80 WATTS
FANS	FAN SONES		–	1.3
FANS	DRIVE TYPE		DIRECT DRIVE	DIRECT
MOTOR & STARTER	MOTOR	TYPE	TEAO-ECM	ODP
MOTOR & STARTER	MOTOR	POWER (H.P. OR WATTS)	1 HP	80
MOTOR & STARTER	MOTOR	R.P.M	1725	–
MOTOR & STARTER	MOTOR	VOLTAGE/PHASE	208V-1ø	115V-1ø
MOTOR & STARTER	MOTOR	NEC F.L.A. (AMPS)	6.9	1.15
MOTOR & STARTER	MOTOR	MCA / MOCP (AMPS)	– / –	1.4 / 15
MOTOR & STARTER	STARTER	TYPE	HOOD FAN SWITCH	TIMECLOCK
MOTOR & STARTER	STARTER	NEMA SIZE	–	–
MOTOR & STARTER	STARTER	CONTROL	START/STOP	ON DURING OCCUPIED
MOTOR & STARTER	STARTER	AUX. CONTACTS	–	–
			①	②

① PROVIDE SLOPED ROOF CURB MODEL #CRB23X20E ON EXHUAST FAN, 7:12 PITCH – PARALLEL TO THE ROOF, PROVIDE NFPA 96 VENTILATED HINGED ROOF CURB, PROVIDE VENTED BASE FOR CURB PREMIUM EFFICIENT MOTOR; PROVIDE UL-762 LISTED, HEAT BAFFLE, CLEAN OUT PORT, AND GREASE TRAP WITH ABSORBENT AND DRAIN CONNECTION. INTERFACE FAN OPERATION WITH HOOD FAN SWITCH. COORDINATE MOTOR TYPE FOR COMPATIBILITY WITH HOOD CONTROLLER PACKAGE. TEAO-ECM = TOTALLY ENCLOSED AIR OVER ELECTRONICALLY COMMUTATED MOTOR

② PROVIDE VIBRATION ISOLATING HANGERS, DUCTED CONNECTION & BACKDRAFT DAMPER, NEMA 1 DISCONNECT SWITCH

EQUIPMENT NOTES:

ECH-1 QMARK MODEL #AWH-4408F ELECTRIC CABINET HEATER; 2000 WATTS @ 208 VOLTS-1ø-60HZ, 9.6 AMPS; 6,825 BTUH HEAT OUTPUT; RECESSED STYLE; INTEGRAL ADJUSTABLE TAMPERPROOF THERMOSTAT AND FAN SWITCH; COLOR SELECTION BY ARCHITECT.

EUH-1 QMARK MODEL #MUH05-B1 ELECTRIC UNIT HEATER; 5000 WATTS @ 208 VOLT, 1 PHASE, 25 AMPS; 17,065 BTUH HEAT OUTPUT; 350 CFM, 800 FPM, 27°F TEMP. RISE, 1600 RPM, 1/100 HP FAN INTERNAL SUMMER FAN SWITCH. PROVIDE CONTACTOR WITH LOW VOLTAGE TRANSFOMER FOR REMOTE THERMOSTAT OPERATION. LOCATED IN ATTIC

EUH-2 QMARK MODEL #MUH03-B1 ELECTRIC UNIT HEATER; 3000 WATTS @ 208 VOLT, 1 PHASE, 14.5 AMPS; 10,200 BTUH HEAT OUTPUT; 350 CFM, 800 FPM, 27°F TEMP. RISE, 1600 RPM, 1/100 HP FAN INTERNAL SUMMER FAN SWITCH. PROVIDE CONTACTOR WITH LOW VOLTAGE TRANSFOMER FOR REMOTE THERMOSTAT OPERATION. LOCATED IN BASEMENT

ENERGY RECOVERY UNIT SCHEDULE

			ERV-1			
	UNIT NUMBER		ERV-1			
	MANUFACTURER		RENEWAIRE			
	MODEL NUMBER		HE10-JJNH-S15EE---GNT---L			
	SERVICE		OUTDOOR AIR		EXHAUST AIR	
	SEASON		SUMMER	WINTER	SUMMER	WINTER
AIR DATA	FLOW RATE (CFM)		530		530	
AIR DATA	TEMP. ENTERING (DB/WB)		91.4/73.3	4.1/1.9	75/62.5	70/51.4
AIR DATA	TEMP. LEAVING (DB/WB)		79.1/67.4	53.4/41.2	–	–
AIR DATA	EXT. STATIC PRESS.		0.7"		0.7"	
TOTAL EFFECTIVENESS %			57.7% IN SUMMER		73.1% IN WINTER	
TOTAL ENERGY SAVED (BTUH/TONS)			SUMMER: 11,982 / 1.0		WINTER: 34,172	
FAN WATTS / SPEED			0A: 164 / 1918		RA: 159 / 1898	
MOTOR WATTAGE / F.L.A.			2 @ 370A / 1.73			
MCA			3.9			
MFA			15			
VOLTS-PH-HZ			115-1-60			
NOTES:			①②③④⑤⑥			

① PROVIDE 2" PLEATED MERV 8 INTAKE & EXHAUST FILTERS & (3) FULL SETS.
② FIELD FURNISH & INSTALL OUTDOOR AND EXHAUST AIR LOW LEAKAGE MOTORIZED DAMPER
③ PROVIDE EC MOTOR, PROVIDE NEMA 3R DISCONNECT SWITCH
④ PROVIDE DIRTY FILTER SENSOR OUTDOOR AND EXHAUST AIR
⑤ PROVIDE TIMED EXHAUST FROST CONTROL
⑥ PROVIDE VIBRATION ISOLATING UNDER UNIT (I.E. ON ATTIC FLOOR)

HOOD INFORMATION SCHEDULE

CALLOUT	MANUFACTURER	MODEL	LENGTH	MAX. COOKING TEMP.	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG. END TO END	HOOD CONFIG. ROW
HOOD-1	ECON-AIR	5424 EX-2-PSP-F	10'-6"	600°F	I	HEAVY	235	2468	10"	22"	4"		2468	1615	-0.547"	1974	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION SCHEDULE (CONT.)

CALLOUT	FILTER(S) TYPE	QUANTITY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QUANTITY	TYPE	WIRE GUARD	UTILITY CABINETS(S) LOCATION	SIZE	ELECTRICAL SWITCHES MODEL	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
HOOD-1	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	L55 SERIES E26	NO	LEFT	12'X54'X24"	SC-211110MA	1 LIGHT 1 FAN	NO	790 LBS

HOOD OPTIONS SCHEDULE (CONT.)

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 16.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 138.00" LONG 430 SS VERTICAL.
		INSULATION FOR TOP OF HOOD.
		INSULATION OF BACK OF HOOD.
		SENSOR-CV.

PERFORATED SUPPLY SUPPLY PLENUM(S)

CALLOUT	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	MOTOR LENGTH	ø	CFM	SP
HOOD-1	FRONT	138"	16"	6"	MUA	12"	24"		658	0.192"
					MUA	12"	24"		658	0.192"
					MUA	12"	24"		658	0.192"

UNTEMPERED SUPPLY MAKE-UP AIR UNIT SCHEDULE (FOR HOOD-1)

UNIT NO.	TAG	MANUFACTURER	MODEL #	CFM	ESP.	MOTOR RPM	MOTOR B.H.P.	MOTOR H.P.	ø	VOLT	Hz	FLA
1	MAU-1	ECONOAIRE	EA-A1-G10D	1974	0.4"	917	–	1.0	1	208	60	6.9

– PROVIDE SLOPED FILTERED INTAKE FOR SIZE #1 STANDARD UNTEMPERED SUPPLY UNIT, INCLUDES 2" MV EZ KLEEN METAL MESH FILTERS
– PROVIDE GRAVITY BACKDRAFT DAMPER, STANDARD GALVANIZED CONSTRUCTION, 1-1/4" REAR FLANGE FOR SIZE 1 UNTEMPERED FAN HOUSING
– PROVIDE ECM WIRING PACKAGE AND MANUAL 0-10VDC CONTROL FOR SUPPLY EC MOTORS. RTC CONTROLLER.
– PROVIDE SLOPED ROOF CURB MODEL #CRB21X29X20INS INSULATED ON SUPPLY FAN, 7:12 PITCH – PARALLEL TO THE ROOF, INTAKE ON RIGHT SIDE

GAS-FIRED FURNACE / EVAPORATOR SCHEDULE

			FRN-1 / CC-1
	UNIT NUMBER		FRN-1 / CC-1
	SERVICE		SEE PLANS
	NOMINAL COOLING CAPACITY(TONS)		5
	MANUFACTURER		BRYANT
	MODEL #		926TA60100V21
	C.F.M.		1950
	EXT. STATIC PRESS. (IN WG)		0.5
	FAN RPM		600 – 1200
	FAN HP		1.0
	FAN MOTOR F.L.A.		13.9A
EVAPORATOR	DESIGNATION		CC-1
EVAPORATOR	MANUFACTURER MODEL #		CNPV*6124A**+TDR
EVAPORATOR	ENT. AIR DB/WB (°F)		77.4 / 64.0
EVAPORATOR	LVG. AIR DB/WB (°F)		57.0 / 54.3
EVAPORATOR	TOTAL/SENSIBLE CAPACITY (MBH)		54.14/42.17
EVAPORATOR	SYSTEM KW		4.67
EVAPORATOR	MIN. OUTDOOR AIR (CFM)		530
EVAPORATOR	REFRIGERANT		R-410A
HEAT	HEAT INPUT CAPACITY (HIGH/LOW) MBH		100.0 / 65.0
HEAT	HEAT OUTPUT CAPACITY (HIGH/LOW) MBH		97.0 / 63.0
HEAT	AFUE		96.5%
HEAT	MINIMUM/MAXIMUM GAS PRESSURE (IN WC)		4.5" / 13.6"
HEAT	GAS CONNECTION SIZE		1/2" NPT
HEAT	FLUE/COMBUSTION AIR CONNECTION SIZE		3"ø / 3"ø
ELECTRICAL	V-PH-HZ		115-1-60
ELECTRICAL	MCA		14.7A
ELECTRICAL	UNIT AMPACITY		19.3A
ELECTRICAL	MOCP		20.0A
ELECTRICAL	STARTER	TYPE	INTEGRAL
ELECTRICAL	STARTER	NEMA SIZE	INTEGRAL
ELECTRICAL	STARTER	CONTROL	INTEGRAL
ELECTRICAL	STARTER	AUX. CONTACTS	INTEGRAL
ACCESSORIES			①②③④⑤⑥

① PROVIDE SLIM BOX FILTER KIT WITH MERV 8 FILTER & (3)SPARE SETS
② PROVIDE PREMIUM EFFICIENCY DIRECT DRIVE EC MOTOR
③ PROVIDE HORIZONTAL MOUNT KIT
④ PROVIDE CONCENTRIC VENTING KIT FOR 3"ø VENT AND COMBUSTION AIR.
⑤ PROVIDE LP (PROPANE) GAS CONVERSION KIT AND GAS ORIFICE KIT, AS REQUIRED.
⑥ PROVIDE CONDENSATE NEUTRALIZER KIT

AIR COOLED CONDENSING UNIT SCHEDULE

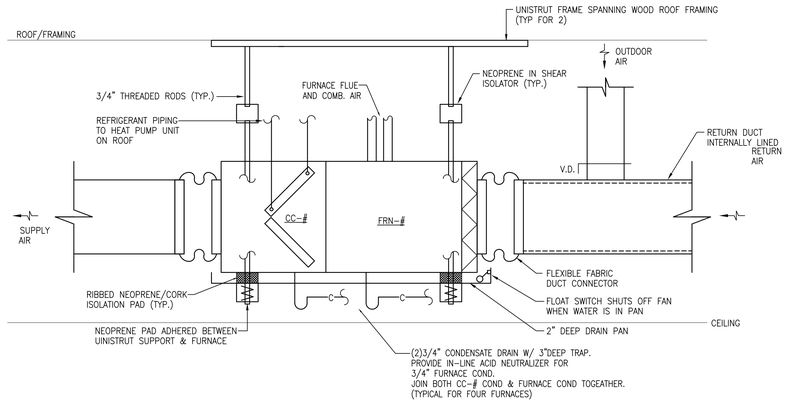
		CU-1
UNIT NUMBER		CU-1
SERVICE		CC-1
MANUFACTURER		BRYANT
MODEL		126BNA060000A
NOMINAL CAPACITY (TONS)		5
NOMINAL TOTAL CAPACITY (BTUH)		60,000
DESIGN AMBIENT TEMP (F)		95
REFRIGERANT		R-410A
LINE SIZE O.D. GAS		7/8"
LINE SIZE O.D. LIQUID		3/8"
ARI EER / SEER		12.5 / 15.0
SOUND RATING (DB)		73
CONDENSER FAN MOTOR – HP		0.25
CONDENSER FAN MOTOR – RPM		800
CONDENSER FAN MOTOR – FLA		2.80A
ELECTRICAL DATA	VOLTAGE – PHASE	208-1-60
ELECTRICAL DATA	MCA	32.4
ELECTRICAL DATA	MAX ALLOWABLE MOCP	50.0
ELECTRICAL DATA	COMPRESSSOR RLA / LRA	23.7 / 152.5
NOTES		SEE NOTES

① PROVIDE CEVAPORATOR DEFROST CONTROL, CRANKCASE HEATER KIT, ANTI-SHORT CYCLE TIMER & QUICK START KIT.
② REFRIGERANT LINE SIZES SHALL BE SIZED BY EQUIP. MFR. RECOMMENDED SIZES PER RUN LENGTH. VERIFY W/ MFR. THE CONNECTIONS SIZES ARE INDICATED.
③ SPACING BETWEEN BLDG & CU UNITS SHALL BE PROVIDED AS SPEC. BY EQUIP. MFR.
④ PROVIDE 4" CONCRETE PAD UNDER CONDENSERS
⑤ PROVIDE LOW AMBIENT CONTROL FOR COOLING OPERATION DOWN TO 0°F
⑥ PROVIDE NEMA 3R WEATHERPROOF DISCONNECT SWITCH

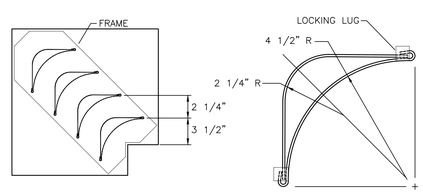
DIFFUSER, REGISTER & GRILLE SCHEDULE

KEY	D-1	D-2	D-3	D-4	D-5	D-6	RG-1	RG-2	EG-1	EG-2
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL	SMD	SMD	SMD	SMD	SMD	PDDR	530D	530D	530	530
NECK SIZE	6"x6"-5"ø	6"x6"-5"ø	6"x6"-5"ø	9"x9"-8"ø	9"x9"-8"ø	15"X15"	14"x14"	18"x18"	8"x8"-6"ø	10"x10"-8"ø
MODULE SIZE	12"X12"	12"X12"	12"X12"	12"X12"	12"x12"	24"x24"	–	–	–	–
BORDER	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE
FINISH	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4
THROW PATTERN	2-WAY CORNER	2-WAY OPPOSITE	3-WAY	3-WAY	4-WAY	–	45° FIXED	45° FIXED	45° FIXED	45° FIXED
DAMPER	OBD	OBD	OBD	OBD	OBD	OBD	OBD	OBD	NONE	NONE
NOTES	①②③	①②③	①②③	①②③	①②③	①②③	①②③	①②③	①②③	①②③

① COORDINATE WITH ARCHITECTURAL CEILING PLANS AND ARCHITECTURAL FLOOR PLANS FOR FINAL LOCATIONS
② TRANSITION FROM DIFFUSER/REGISTER/GRILLE CONNECTION SIZE TO DUCT SIZE
③ REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION & APPROVED ALTERNATIVE EQUIPMENT MANUFACTURERS.
④ FINISH AND COLOR SELECTION BY ARCHITECT.



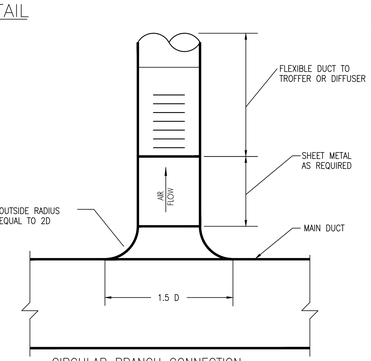
FURNACE (FRN-1)/COOLING COIL (CC-1) DETAIL
NO SCALE



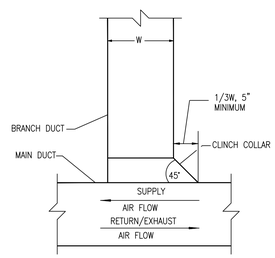
VANED ELBOW TURNING VANE

NOTES:
1. LOCKING LUGS INTEGRAL WITH VANE
2. MAXIMUM UNSUPPORTED VANE LENGTH 48"
3. FRAMES-BOLTED OR RIVETED TO ELBOW
4. VANES AND FRAMES-SAME GAUGE AS ELBOW

DOUBLE THICKNESS TURNING VANES FOR SQUARE ELBOW
NO SCALE



CIRCULAR BRANCH CONNECTION TO SINGLE OUTLET
NO SCALE



RECTANGULAR DUCT TAP
NO SCALE

SYMBOLS LEGEND

- DIRECTION OF AIRFLOW
- VOLUME DAMPER
- SUPPLY AIR DIFFUSER
- EXHAUST/RETURN REGISTER/GRILLE
- INSULATED FLEXIBLE DUCTWORK
- OUTDOOR AIR/SUPPLY AIR DUCTWORK
- EXHAUST AIR/RETURN AIR DUCTWORK
- INTERNALLY LINED DUCTWORK AS SHOWN OR AS SPECIFIED
- FIXED ALUMINUM LOUVER
- LOW LEAKAGE MOTORIZED DAMPER
- D-1 / CFM — DIFFUSER CALLOUT CUBIC FEET PER MINUTE (CFM)
- ERV-1 — EQUIPMENT CALLOUT
- T — THERMOSTAT
- C — CONDENSATE DRAIN PIPING
- REFRIGERANT PIPING
- O.A. OUTSIDE AIR
- E.A. EXHAUST AIR
- S.A. SUPPLY AIR
- R.A. RETURN AIR

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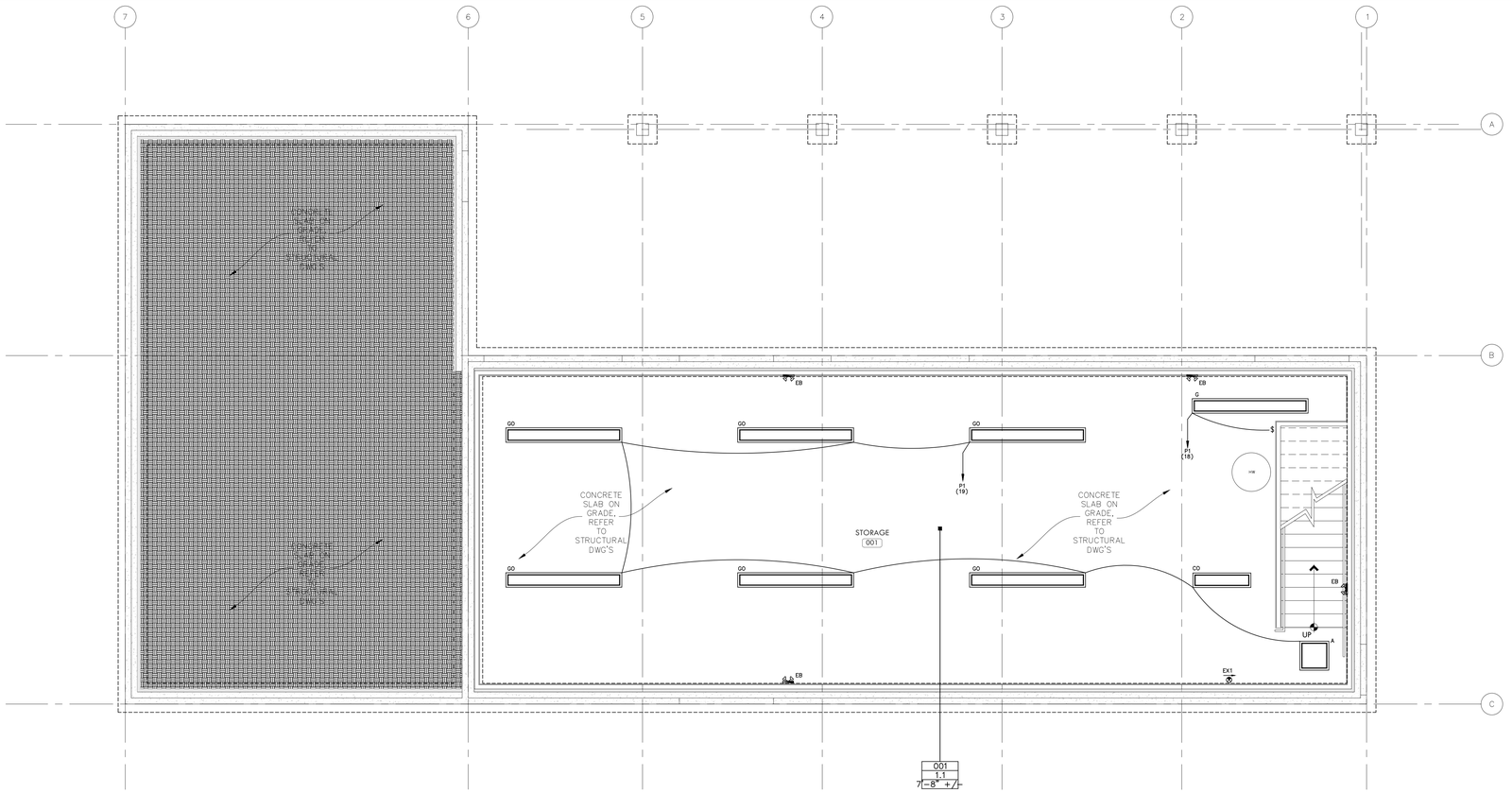
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STATE OF CONNECTICUT KEVIN R. SEAMAN PEN.0024305 LICENSED PROFESSIONAL ENGINEER

HVAC DETAILS AND SCHEDULES

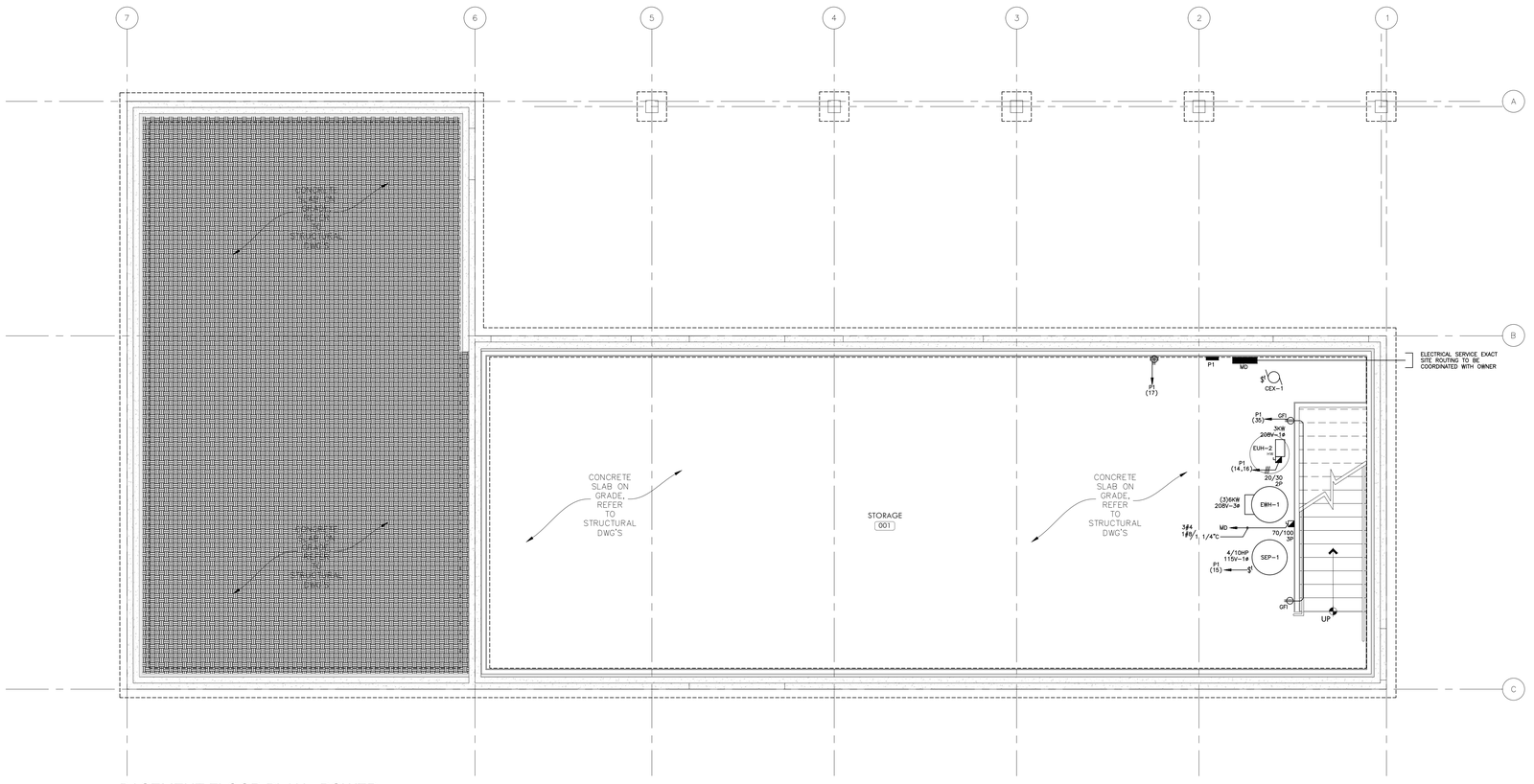
Project Number 2023.054
Drawing Scale AS NOTED
Drawn By CDR
Checked By KRS
Date Issued 5/10/24

H2.1



BASEMENT FLOOR PLAN - LIGHTING

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



BASEMENT FLOOR PLAN - POWER

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

NOTE:
EXIT SIGNS AND EMERGENCY BATTERY UNITS ARE TO BE CONNECTED TO THE LINE SIDE OF THE LOCAL LIGHTING CIRCUIT.

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Consultants

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WORCESTER, MASSACHUSETTS 01604
PHONE: (508) 757-7793 • FAX: (508) 753-2309
REFERENCE NO.: 24029

Revisions

HOPYARD GOLF CLUB
Proposed Pool House
1 Hopyard Road
East Haddam, CT 06423

N

STATE OF CONNECTICUT · SHAWN A. CARUSO · 36435 LICENSED PROFESSIONAL ENGINEER

BASEMENT FLOOR PLAN
LIGHTING & POWER

Project Number
2023.054

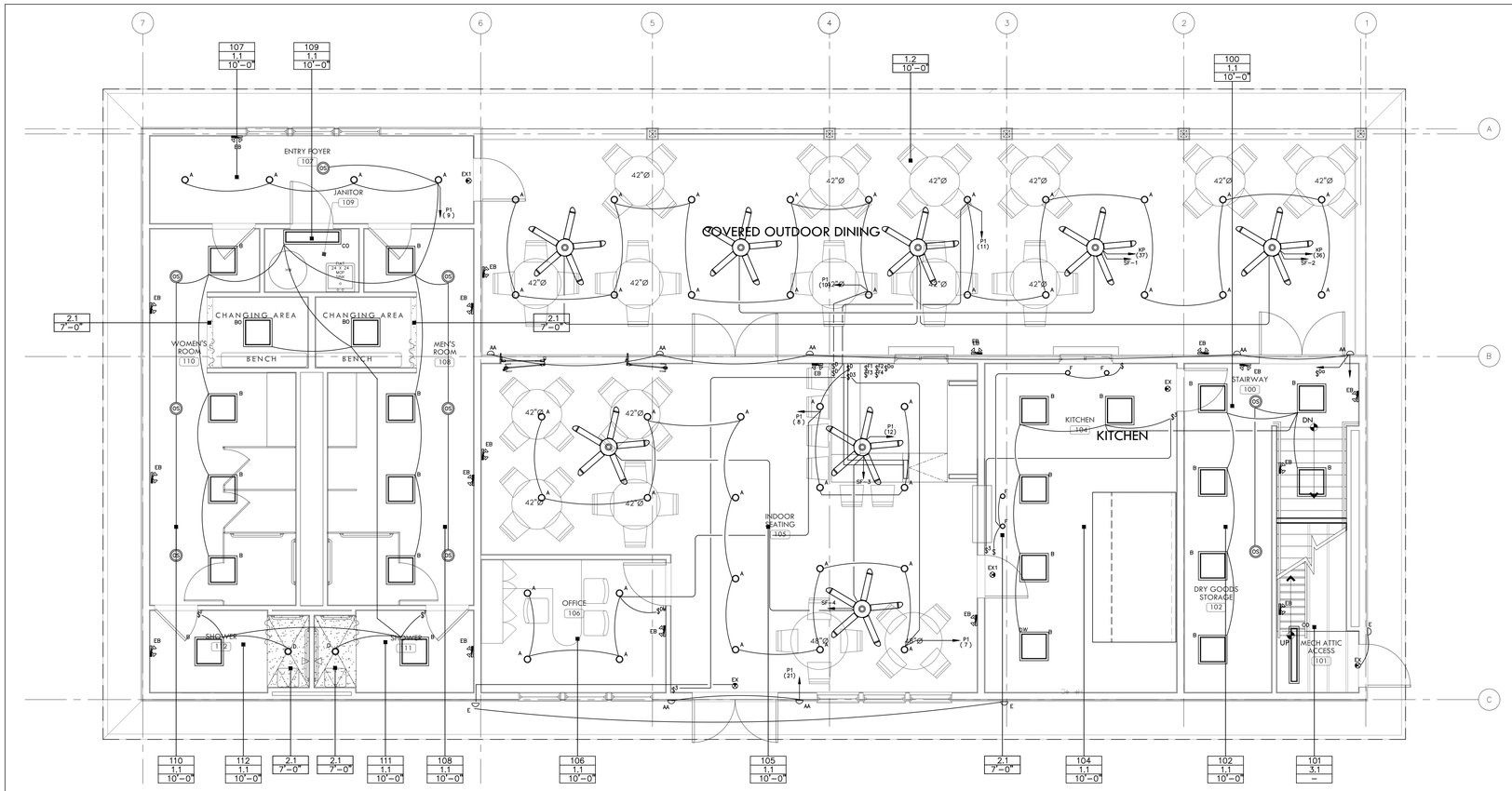
Drawing Scale
1/4"=1'-0"

Drawn By
GCR

Checked By
JDS

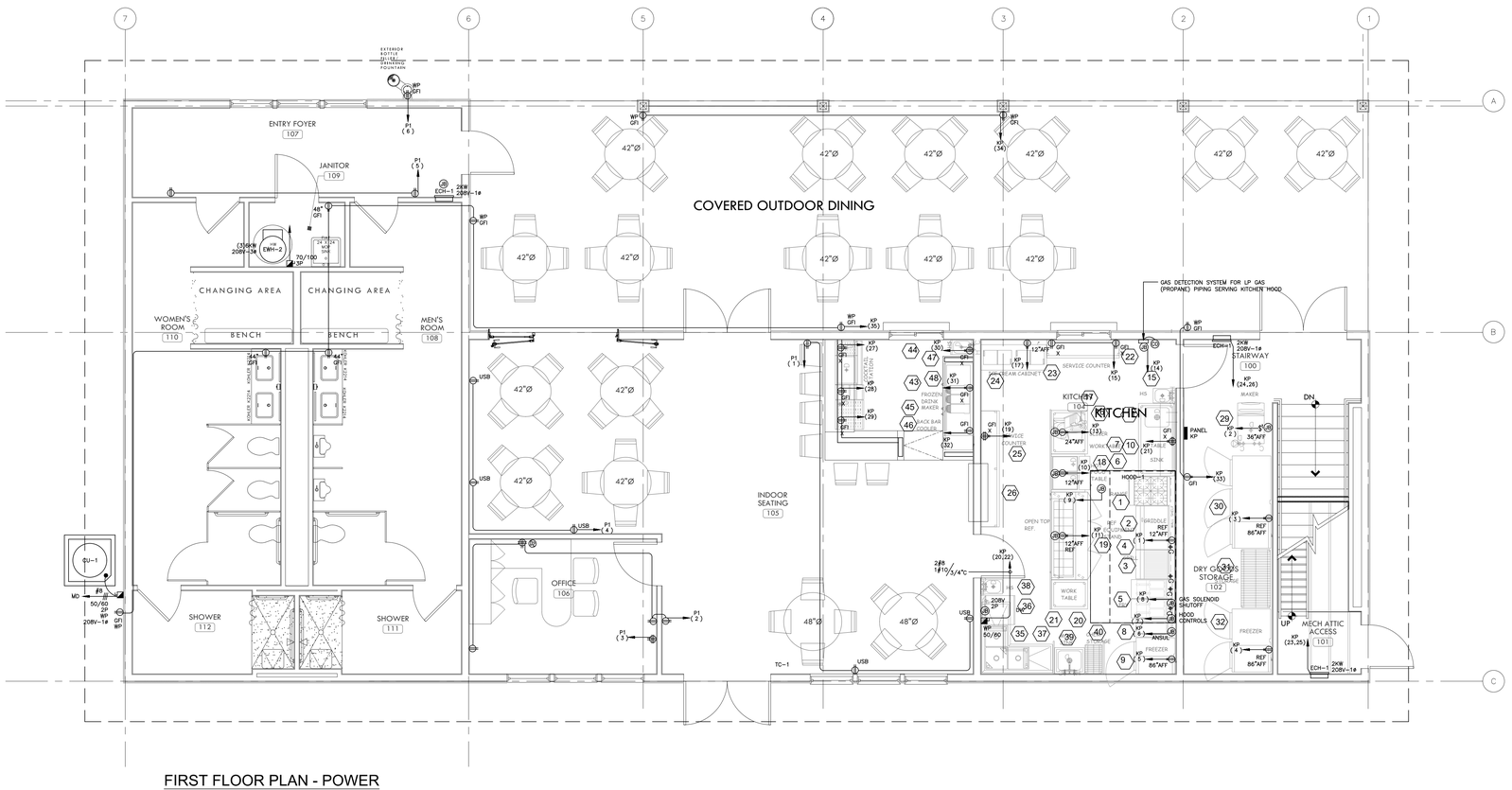
Date Issued
5/10/24

E1.1



FIRST FLOOR PLAN - LIGHTING

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



FIRST FLOOR PLAN - POWER

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

NOTE:
EXIT SIGNS AND EMERGENCY BATTERY UNITS ARE TO BE CONNECTED TO THE LINE SIDE OF THE LOCAL LIGHTING CIRCUIT.

NOTE:
REFER TO THE ARCHITECTURAL ELEVATION PLANS FOR THE LOCATIONS AND MOUNTING HEIGHTS OF THE EXTRTIOR TYPE "AA" WALL SCONCES.

ITEM #	QUANTITY	SCHEDULE OF EQUIPMENT DESCRIPTION	MECHANICAL CONNECTIONS ELECTRICAL VOLT	Ø	AMP	KW	HP	CONN	CONNECT AFF	COMMENT
1	1	RANGE FOUR BURNER WITH OVEN							24"	MOBILE UNIT
2	1	GRIDDLE							24"	
3	1	CHARBROILER							24"	
4	1	REFRIGERATED EQUIPMENT STAND	120	1	8			C&P	12"	MOBIL UNIT
5	2	FRYER							6"	MOBIL UNIT
6	1	EXHAUST HOOD WITH SYSTEM	SEE MANUFACTURERS SUBMITTAL FOR ALL REQUIRED UTILITIES							
7	1	FIRE SUPPRESSION SYSTEM	EC TO INTERWIRE EXHAUST SYSTEM-BUILDING FIRE ALARM							
8	1	WORKTABLE								
9	1	FREEZER ONE SECTION UNIT	120	1	7			C&P	86"	
10	1	WORKTABLE WITH SINK							12"	
11	1	WALL SHELF								
12	-	SPARE #								
13	-	SPARE #								
14	-	SPARE #								
15	1	HAND SINK FAUCET							12"	SIDE SPLASHES
16	1	WORKTABLE								
17	1	SLICER	120	1	8			C&P	24"	
18	1	HOT FOOD TABLE	120	1	10			C&P	12"	
19	1	OPENTOP REFRIGERATOR	120	1	8			C&P	12"	
20	1	WORKTABLE								
21	1	OVERSHELF								
22	1	SERVICE COUNTER								
23	1	NOVELTY ICE CREAM FREEZER	120	1	10			C&P	12"	
24	1	WALL SHELF								
25	1	SERVICE COUNTER								
26	1	PASS THRU SHELF								
27	-	SPARE #								
28	-	SPARE #								
29	1	ICE MAKER WITH BIN	120	1	14			JB	36"/6"	
30	1	REFRIGERATOR THREE SECTION UNIT	120	1	12			C&P	86"	
31	1LOT	STORAGE SHELVING								
32	1	FREEZER TWO SECTION UNIT	120	1	10			C&P	86"	
33	-	SPARE #								
34	-	SPARE #								
35	1	POT SINK THREE BAY UNIT							12" RUN W/ TO G.I.	
36	1	DISHWASHER	208	1	35			JB	14"	
37	1	DRY RACK								
38	1	HAND SINK FAUCET							12"	SIDE SPLASHES
39	1	MOP SINK BASIN STYLE SERVICE FAUCET							@FLOOR LEVEL 36"	
40	1LOT	CHEMICAL STORAGE SHELF								
41	-	SPARE #								
42	-	SPARE #								
43	1	COCKTAIL STATION ICE WELL							12"	
		SODA DISPENSING GUN	120	1	3			C&P	@BARTOP	
		B.T.B. RACK	120	1	10			C&P	VERIFY LOCATION	
		WORKBOARD							12"	
44	1	HAND SINK							12"	
45	1	LIQUOR DISPLAY RACK								
46	1	GLASS STORAGE WORKBOARD							12"	
47	1	BACK BAR COOLER	120	1	10			C&P	12"	
48	1	FROZEN DRINK MAKER	120	1	10			C&P	48"	
49	1	PASS THRU SHELF								

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Revisions

HOPYARD GOLF CLUB
Proposed Pool House
1 Hopyard Road
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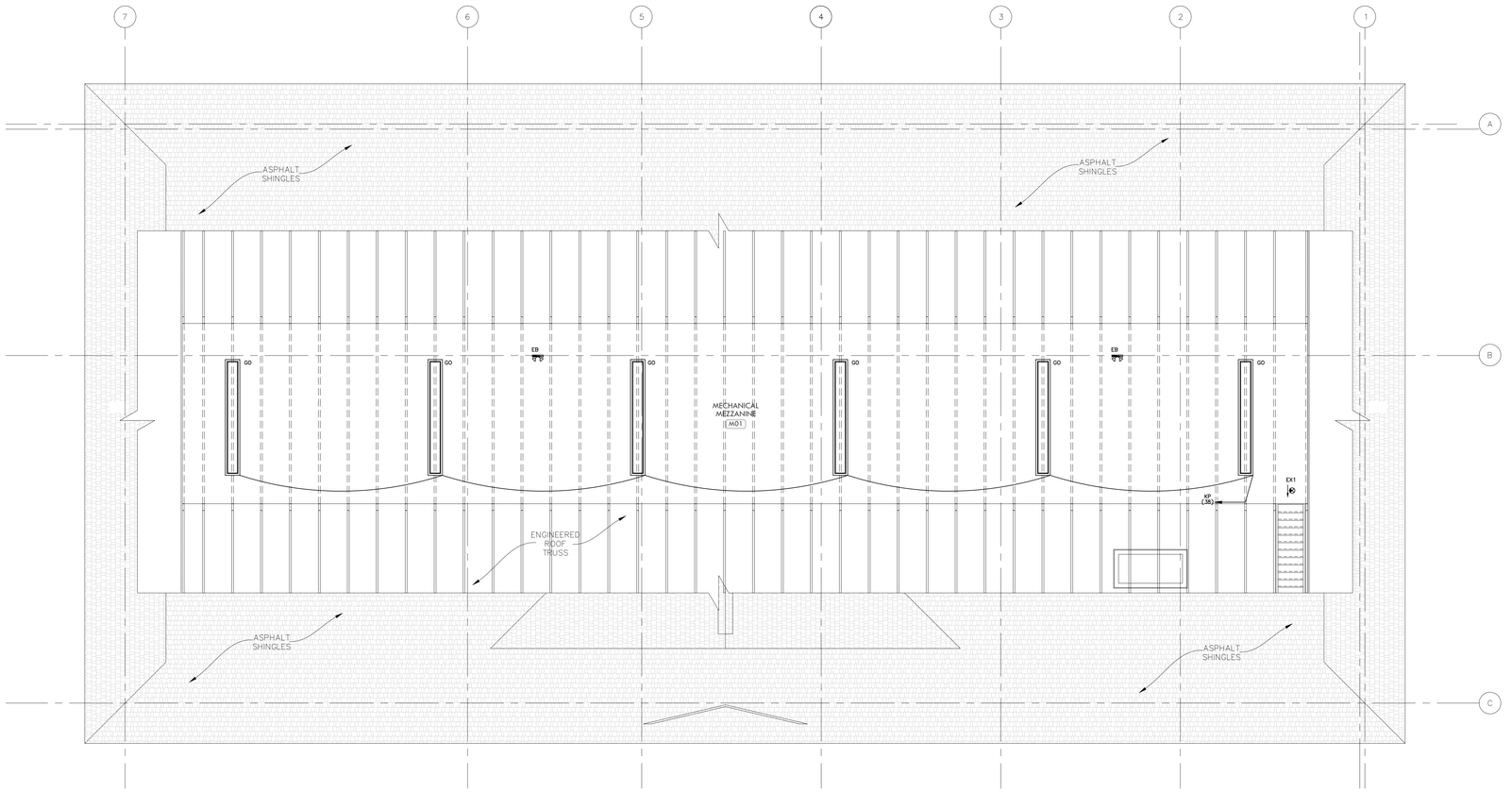
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SHAWN A. GARDNER
36455
LICENSED
PROFESSIONAL ENGINEER

FIRST FLOOR PLAN
LIGHTING & POWER

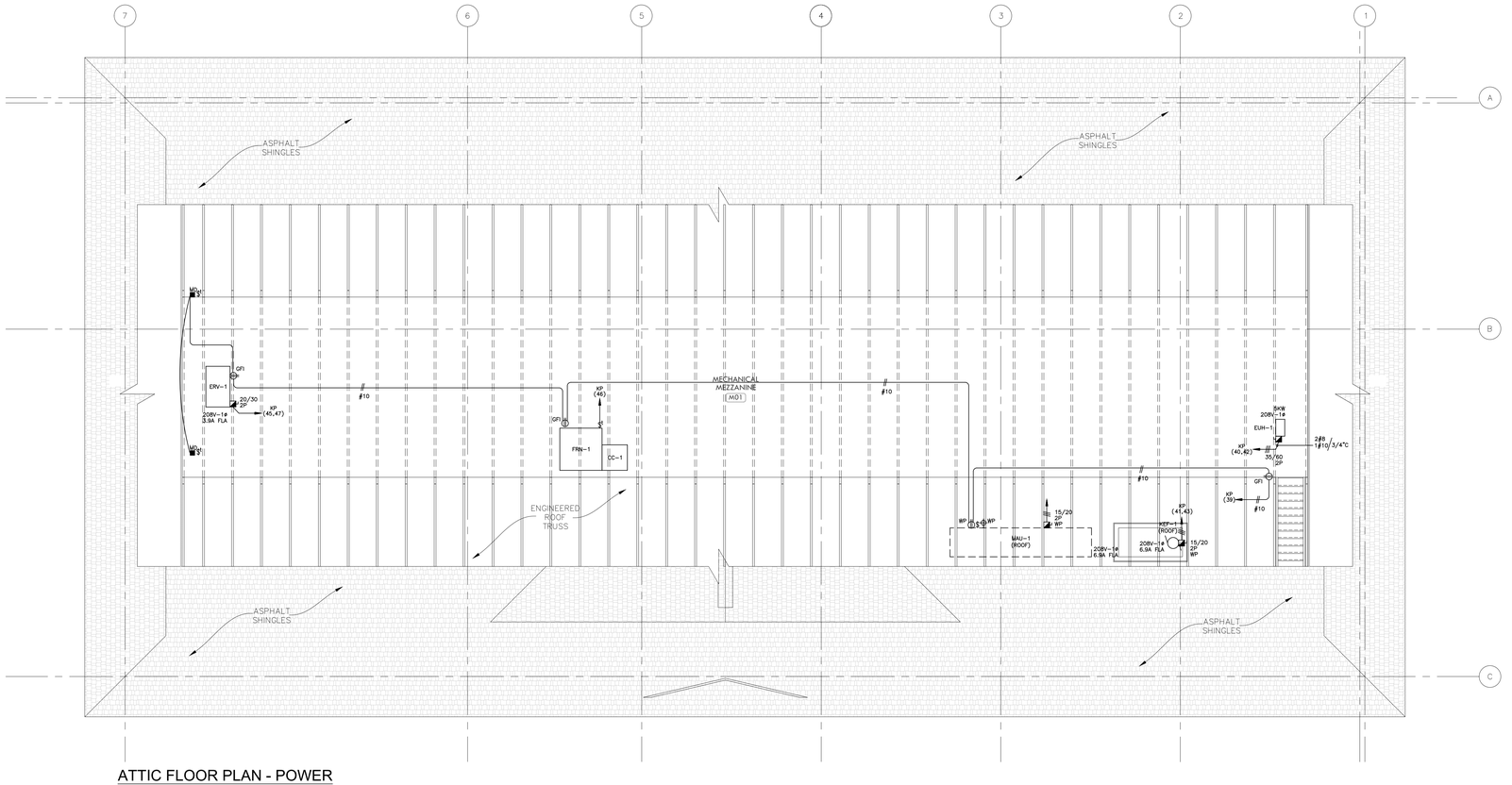
Project Number 2023.054
Drawing Scale 1/4"=1'-0"
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Checked By JDS
Date Issued 5/10/24

E2.1



ATTIC FLOOR PLAN - LIGHTING

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



ATTIC FLOOR PLAN - POWER

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

NOTE:
EXIT SIGNS AND EMERGENCY BATTERY UNITS ARE TO BE CONNECTED TO THE LINE SIDE OF THE LOCAL LIGHTING CIRCUIT.

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ATTIC FLOOR PLAN
LIGHTING & POWER

Project Number
2023.054

Drawing Scale
1/4"=1'-0"

Drawn By
GCR

Checked By
JDS

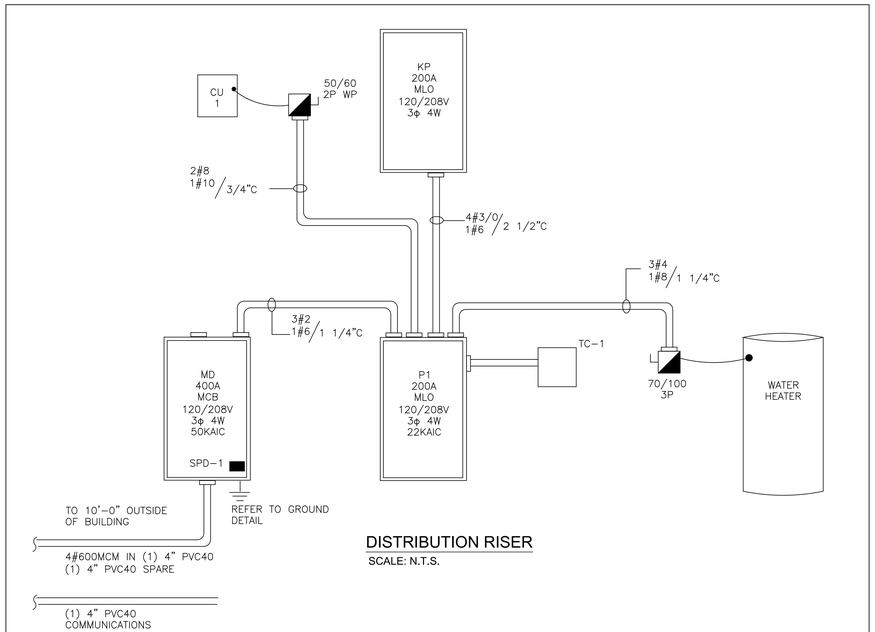
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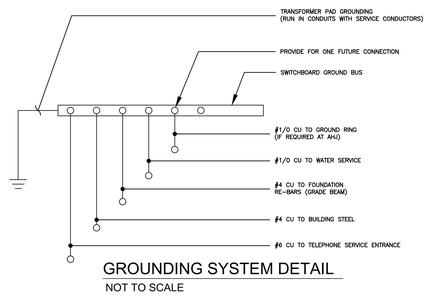
LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOGUE #	LAMPING			MOUNTING	REMARKS
			TYPE	WATTAGE	QUANTITY		
A	DMF	M4NCRNMD20935GAOM4TRSWH	LED	16.5		RECESSED	4" ROUND DOWNLIGHT
B	METALUX	24FPX38L840	LED	28.9		RECESSED	2X4 FLAT PANEL
CO	METALUX	4SNX57SLLWUNVL840CD1USWSWPD3	LED	39.7		SURFACE	4'-0" STRIP LIGHT OCC SENSOR
D	DMF	M4NCRNMD07935GAOM4TRSWH	LED	9.5		RECESSED	4" ROUND SHOWER DOWNLIGHT
E	MULE	EOEBB10L3-COLOR-DGPHLT	LED	10.0		WALL	EXTERIOR EMERGENCY LIGHT
F	DMF	M4NCRNMD07935GAOM4TRSWH	LED	9.5		RECESSED	4" ROUND CONCESSION DOWNLIGHT
G	METALUX	8TSNX96SLLWUNVL840CD1U	LED	64.2		SURFACE	8'-0" STRIP LIGHT
GO	METALUX	8TSNX96SLLWUNVL840CD1USWSWPD3	LED	64.2		SURFACE	8'-0" STRIP LIGHT OCC SENSOR
EX1	MULE	ALUGWWSD	LED	3.0		UNIV	SELF CONTAINED EXIT SIGN
AA	SP1	AEW8076I22WUNV3000KDF80BLPT11	LED	22.0		WALL	EXTERIOR WALL SCONCE
EB	MULE	MRDR612LEDW	LED	7.0		WALL	EMERGENCY BATTERY UNIT

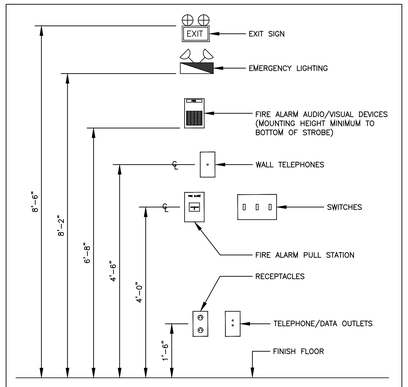
NOTE:
FOR FIXTURES WITH 0-10VOLT DIMMING, INSTALL A VIOLET AND GRAY CONTROL CABLE FROM EACH LIGHT FIXTURE TO THE DIMMING CONTROL SWITCH FOR THE 0-10V DIMMING CONTROL.



DISTRIBUTION RISER
SCALE: N.T.S.



GROUNDING SYSTEM DETAIL
NOT TO SCALE



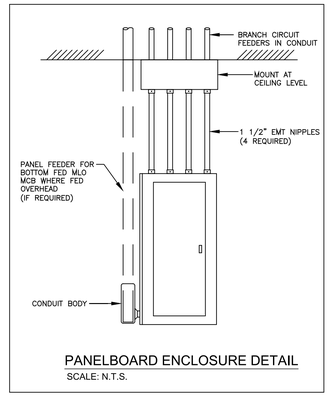
DEVICE LOCATION HEIGHTS
NOT TO SCALE

NOTES:
ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM THE FINISH FLOOR TO THE CENTERLINE OF THE DEVICE EXCEPT EXIT SIGNS, CLOCKS, EMERGENCY LIGHTING AND FIRE ALARM A/V DEVICES.

DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.

ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED UNLESS OTHERWISE NOTED.

STROBE HEIGHT ILLUSTRATED AT MAXIMUM HEIGHT. STROBE SHALL BE 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER.



PANELBOARD ENCLOSURE DETAIL
SCALE: N.T.S.

LIGHTING LEGEND

- 2X4 LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- DOWN LIGHT/CEILING FIXTURE
- WALL MOUNTED FIXTURE
- LED STRIP FIXTURE
- EXIT SIGN
- EXIT SIGN (DOUBLE SIDED)
- EXIT SIGN/EMERGENCY BATTERY UNIT
- EMERGENCY BATTERY UNIT
- $ SINGLE POLE SWITCH
- $3 THREE WAY SWITCH
- $4 FOUR WAY SWITCH
- $D DIMMER SWITCH (0-10V RATED)
- $LV LOW VOLTAGE SWITCH
- $T THERMAL SWITCH
- $M WALL-MOUNTED MOTION SENSOR
- CEILING-MOUNTED MOTION SENSOR

POWER LEGEND

- TAMPERPROOF DUPLEX RECEPTACLE
- TAMPERPROOF DOUBLE DUPLEX RECEPTACLE
- GFI TAMPERPROOF GFI RECEPTACLE
- 20A-208V-2POLE RECEPTACLE
- SPECIAL OUTLET (SEE DRAWINGS)
- SPECIAL OUTLET (SEE DRAWINGS)
- T TWIST LOCK OUTLET
- IG ISOLATED GROUND OUTLET
- FB FLOOR BOX
- DISCONNECT SWITCH
- STARTER
- MOTOR
- JB JUNCTION BOX
- PANEL
- T TRANSFORMER
- HOMERUN TO PANEL

TEL/DATA LEGEND

- TELEPHONE OUTLET
- DATA OUTLET
- TEL/DATA OUTLET

ABBREVIATIONS

WP	WEATHER PROOF
GFI	GROUND FAULT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
A	AMPERE
C	CONDUIT
CB	CIRCUIT BREAKER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
RTU	ROOFTOP UNIT
SD	SMOKE DAMPER
EMT	ELECTRIC METALLIC TUBING
RMC	RIGID METALLIC CONDUIT
TV	TELEVISION
EF	EXHAUST FAN
AHU	AIR HANDLING UNIT
CUH	CABINET UNIT HEATER
MAU	MAKE-UP AIR UNIT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EC	ELECTRICAL CONTRACTOR
RP1	LOW VOLTAGE LIGHTING CONTROL PANEL

PANEL: MD — SPD-1 50KAIC — SURFACE
MAIN: 400A MCB — TYPE: EATON CO. OR EQUAL
VOLTAGE: 120/208V PHASE: 3 WIRE: 4

1	PANEL P1 100A/3P
2	PANEL KP 200A/3P
3	EWH-1 70A/3P
4	CU-1 50A/2P
5	SPARE 100A/3P
6	PROVISIONS FOR FUTURE
7	PROVISIONS FOR FUTURE
8	PROVISIONS FOR FUTURE
9	PROVISIONS FOR FUTURE
10	PROVISIONS FOR FUTURE

PANEL: KP — 22KAIC — SURFACE
MAIN: 200A MLO — TYPE: EATON CO. OR EQUAL
VOLTAGE: 120/208V PHASE: 3 WIRE: 4

	CIR	DESCRIPTION	TRIP	POLE		CIR	DESCRIPTION	TRIP	POLE	
*	1	(4) REFRIG. STAND	20	1		2	(29) ICE MAKER	20	1	*
*	3	(30) REFRIG	20	1		4	(32) FREEZER	20	1	*
*	5	(9) FREEZER	20	1		6	ANSUL SYSTEM	20	1	
**	7	HOOD COONTROLS	20	1		8	GAS SOLENOID	20	1	**
**	9	HOOD LIGHTS	20	1		10	(18) HOT FOOD TABLE	20	1	
*	11	(19) REFRIG	20	1		12	SPARE	20	1	
*	13	(17) WORK TABLE/SLICER	20	1		14	CO DETECTION SYSTEM	20	1	**
	15	SERVICE COUNTER REC.	20	1		16	SPARE	20	1	
*	17	(23) ICE CREAM FREEZER	20	1		18	SPARE	20	1	*
	19	SERVICE COUNTER	20	1		20				
	21	WORK TABLE	20	1		22	(36) DISHWASHER	50	2	
	23	ATTIC ACCESS ECH-1	20	2		24	STAIR 100	20	2	
	25					26				
	27	BAR STATION	20	1		28	BAR STATION	20	1	
	29	BAR STATION	20	1		30	(47) BAR COOLER	20	1	
	31	(48) DRINK MAKER	20	1		32	BAR COOLER	20	1	*
	33	STAIR 100 REC	20	1		34	OUTDOOR REC	20	1	
	35	OUTDOOR REC	20	1		36	OUTDOOR PADDLE FANS	20	1	
	37	OUTDOOR PADDLE FANS	20	1		38	ATTIC LTS	20	1	
	39	ATTIC GFI	20	1		40	EUH-1 ATTIC	20	2	
	41					42				
	43	KEF-1	15	2		44	MAU-1	15	2	**
	45					46				
	47	ERV-1 ATTIC	20	2		48	FRN-1	20	1	
	49	FACP	20	1		50	SECURITY	20	1	
	51	COMMUNICATIONS	20	1		52	SOUND	20	1	
	53	SPARE	20	1		54	SPARE	20	1	
	55	SPARE	20	1		56	SPARE	20	1	
	57	SPARE	20	1		58	SPARE	20	1	
	59	SPARE	20	1		60	SPARE	20	1	

* GFCI RATED CIRCUIT BREAKER
** SHUNT TRIP CIRCUIT BREAKER

PANEL: P1 — 22KAIC — SURFACE
MAIN: 200A MLO — TYPE: EATON CO. OR EQUAL
VOLTAGE: 120/208V PHASE: 3 WIRE: 4

CIR	DESCRIPTION	TRIP	POLE	CIR	DESCRIPTION	TRIP	POLE
1	INDOOR SEATING	20	1	2	OFFICE 106	20	1
3	OFFICE 106	20	1	4	INDOOR SEATING	20	1
5	ENTRY FOYER	20	1	6	EXTERIOR WATER FILLER	20	1
7	INDOOR SEATING LTS	20	1	8	OFFICE/BAR LTS	20	1
9	CHANGING RM/FOYER	20	1	10	OUTDOOR SEATING LTS	20	1
11	OUTDOOR SEATING LTS	20	1	12	INDOOR PADDLE FANS	20	1
13	BASEMENT GFI	20	1	14	EUH-2 BASEMENT	20	2
15	SEP-1	20	1	16			
17	BASEMENT GFI	20	1	18	BASEMENT LT	20	1
19	BASEMENT LTS	20	1	20	REAR PATIO WALL SCONCES	20	1
21	fRONT ENTRANCE WALL SCONCES/TC-1	20	1	22	SPARE	20	1
23	SPARE	20	1	24	SPARE	20	1
25	SPARE	20	1	26	SPARE	20	1
27	SPARE	20	1	28	SPARE	20	1
29	SPARE	20	1	30	SPARE	20	1
31				32			
33				34			
35	PROVISIONS FOR FUTURE			36	PROVISIONS FOR FUTURE		
37				38			
39				40			
41				42			

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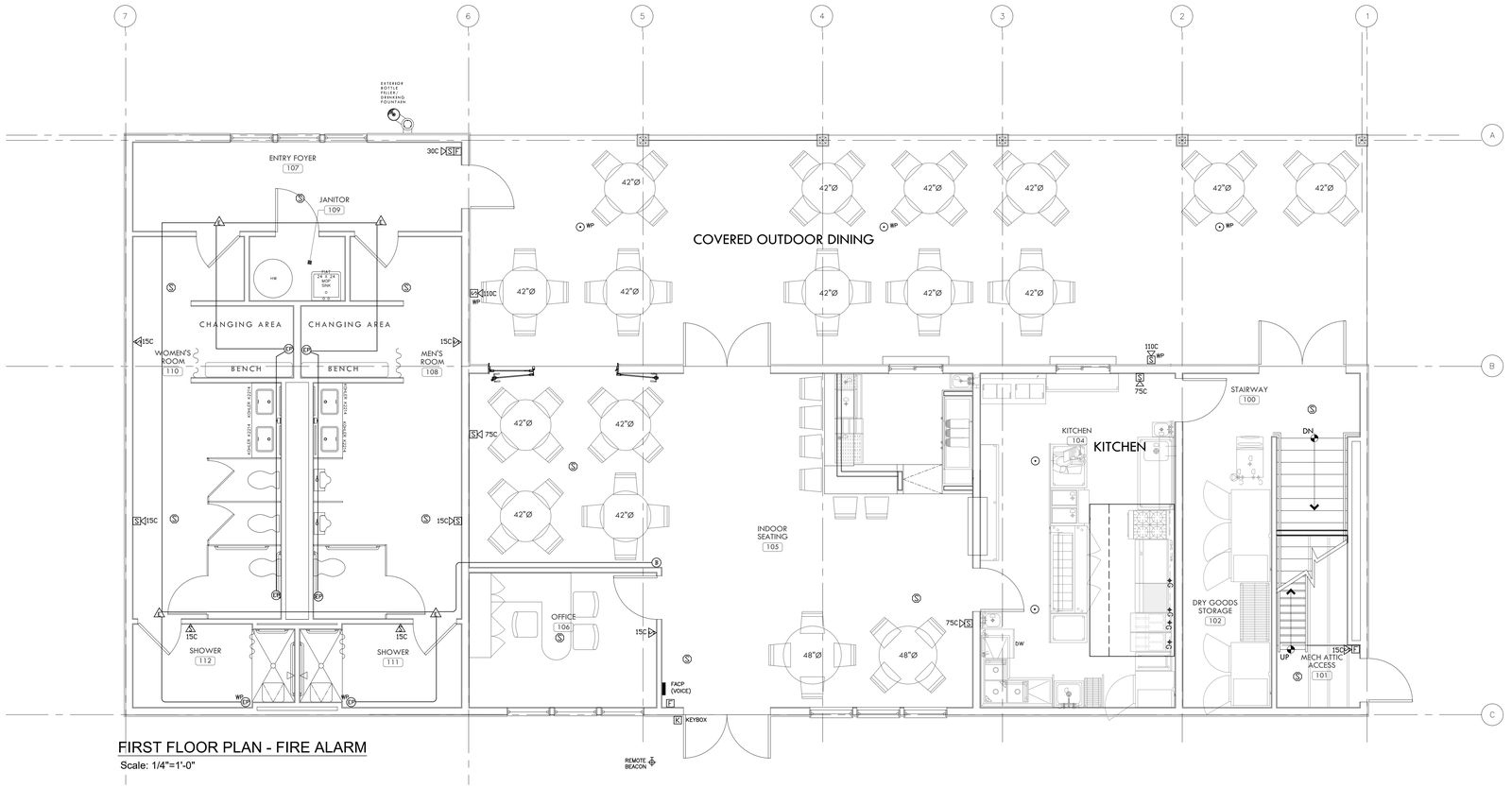
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LEGEND, SCHEDULES & DETAILS

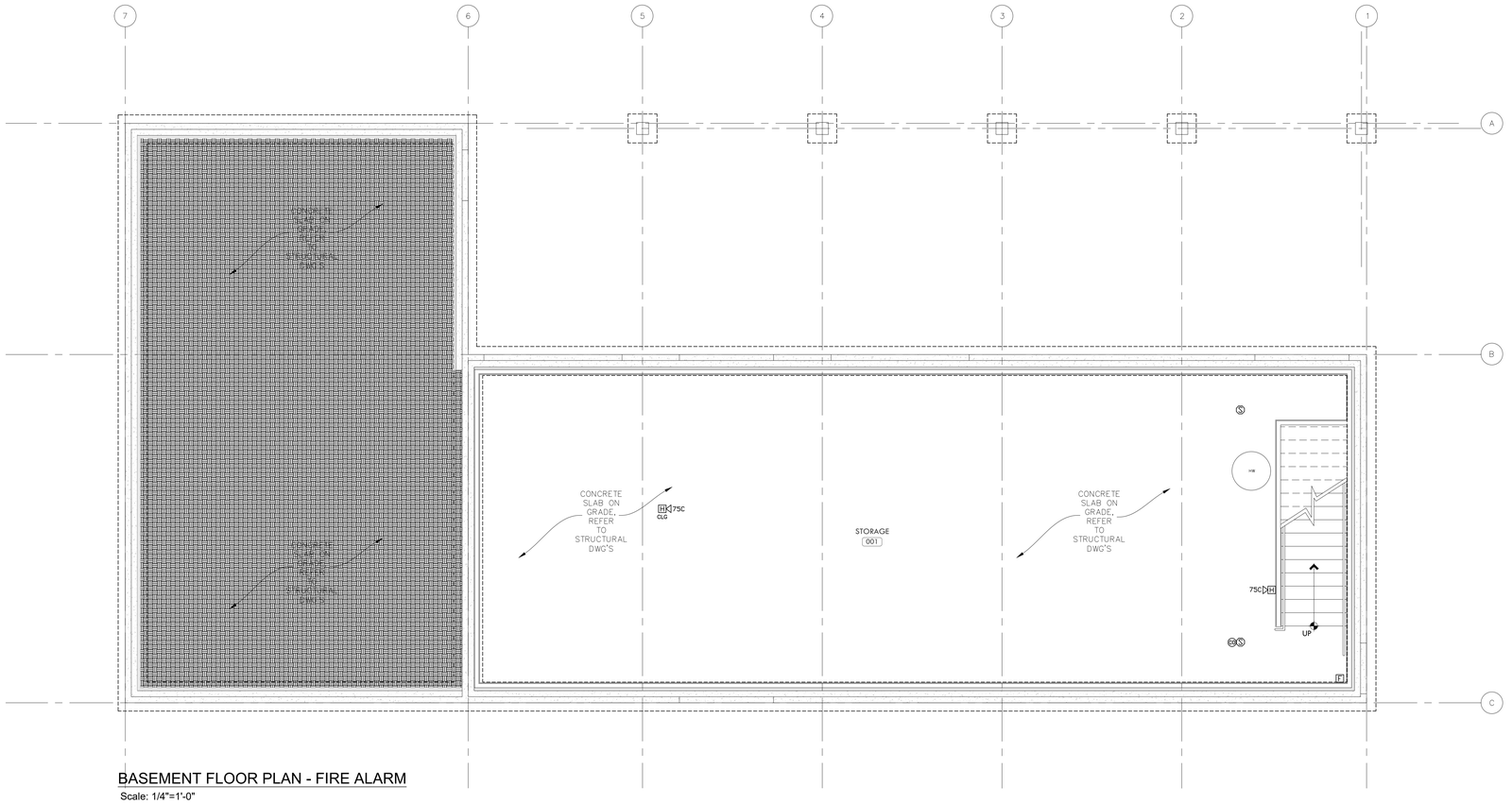
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FIRST FLOOR PLAN - FIRE ALARM

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

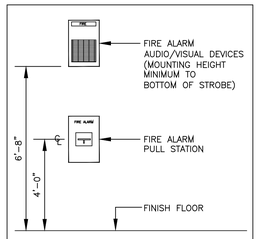


BASEMENT FLOOR PLAN - FIRE ALARM

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

LEGEND

F	PULL STATION
S	PHOTO-ELECTRIC SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
WP	HEAT DETECTOR (WEATHER PROOF)
	STROBE
	SPEAKER/VISUAL
CLG	SPEAKER/VISUAL CEILING
IAM	INDEPENDENT ADDRESSABLE MODULE
FACP	FIRE ALARM CONTROL PANEL
	FIRE ALARM BEACON
K	FIREFIGHTERS KEY BOX
B	BELL
EP	EMERGENCY PULL SWITCH
	DOME LIGHT



DEVICE LOCATION HEIGHTS

NOT TO SCALE

NOTES:
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STROBE HEIGHT ILLUSTRATED AT MAXIMUM HEIGHT. STROBE SHALL BE 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER.

EMERGENCY CALL SYSTEM

FURNISH AND INSTALL EATON CO OR EQUAL MODEL #CFEAPULLFIT INCLUSIVE OF PULLCORD UNIT, POWER SPPLY, DOOR INDICATOR DOME LIGHT.

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BASEMENT AND FIRST FLOOR FIRE ALARM

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