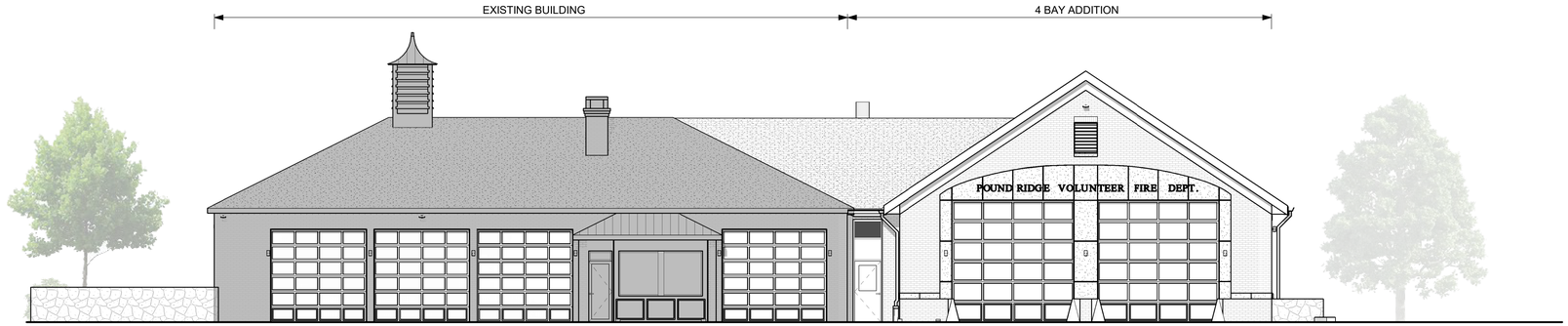
JUNE 11, 2024

CONSTRUCTION DOCUMENTS

FIRE STATION ADDITIONS & ALTERATIONS

Pound Ridge Fire Department

80 Westchester Avenue, Pound Ridge, New York 10576



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KG+D Project Number
2023-1005

ABBREVIATIONS

&	AND
@	AT
x	BY
℄	CENTER LINE
⌀	DIAMETER
#	POUND / NUMBER
AC	AIR CONDITIONING
ACM	ASBESTOS CONTAINING MATERIAL
ACPL	ACOUSTIC PANEL
ACT	ACOUSTIC CEILING TILE
ADJ	ADJACENT / ADJUSTABLE
ADA	AMERICANS WITH DISABILITIES ACT
ADMIN	ADMINISTRATION
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AHAP	AS HIGH AS POSSIBLE
AHU	AIR HANDLING UNIT
AL, ALUM	ALUMINUM
ALT	ALTERNATE
AMP	ACRYLIC MODIFIED POLYESTER
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AV	AUDIO VISUAL
BD	BOARD
BEPO	BROADCAST EPOXY
BL	BUILDING LINE
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BTW, BET	BETWEEN
CAB	CABINET
CB	CEMENT BOARD
CFS	COLD FORMED STEEL
CI	CAST IRON
CHAMF	CHAMFER
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CR	CLASSROOM
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
DA	DEVICE ARRANGEMENT
DEMO	DEMOLISH / DEMOLITION
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EE	EACH END
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC/ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
ENCL	ENCLOSURE
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EPO	EPOXY
EPS	EDGE OF POUR STOP
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EST	ESTIMATE
ETC	ETCETERA
ETR	EXISTING TO REMAIN
ETRE	EXISTING TO BE RELOCATED
EW	EACH WAY
EXP JT	EXPANSION JOINT
EXPO	EXPOSED
EXST, EX	EXISTING
EXT, EXTR	EXTERIOR
EX-H	EXISTING HARD CEILING
FA	FIRE ALARM
FAB	FABRIC
FD	FLOOR DRAIN
FDMPR	FIRE DAMPER
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FH	FULL HEIGHT
FHC	FIRE HOSE CABINET
FHVC	FIRE HOSE VALVE CABINET
FIN	FINISHED
FIX	FIXTURE
FL/FLR	FLOOR
FLUOR	FLUORESCENT
FL MTD	FLUSH MOUNTED
FOS	FACE OF STUD
FOC	FACE OF CONCRETE
FP	FIRE PROTECTION
FR	FIRE RATED
FRD	FRENCH DRAIN
FRITZ	FRITZ FLOOR (RTT) TILE
FRP	FIBER REINFORCED POLYMER
FRTD	FIRE RETARDANT
FT	FOOT / FEET
FTF	FACE TO FACE
FTG	FOOTING
FURR	FURRED / FURRING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFB	GROUND FACE BLOCK
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GOG	GOGGLE
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	HEIGHT AFF
HB	HOSE BIB
HC	HOLLOW CORE
HDWD	HARDWOOD
HDWR	HARDWARE
HD	HEAD
HDR	HEADER
HM	HOLLOW METAL
HMFR	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATING, AIR CONDITIONING
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH / INCHES
INCL	INCLUDE / INCLUSIVE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN/JC	JANITOR'S CLOSET
JT	JOINT
KD	KNOCKDOWN
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICK PLATE
L	LENGTH / LONG
LAB	LABORATORY
LAM	LAMINATE
LAMGL	LAMINATED GLASS
LAV	LAVATORY
LH	LEFT HAND
LIN	LINOLEUM
LKR	LOCKER
LMF	LIGHT METAL FRAMING
LT	LIGHT
LTG	LIGHTING
LVR	LOUVER
LVT	LUXURY VINYL PLANK & TILE
LWC	LIGHT WEIGHT CONCRETE
MAINT	MAINTAIN/MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MBR	MEMBRANE
MCP	METAL COMPOSITE PANEL
MCB	METAL CORNER BEAD
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MATCH HEIGHT
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILL WORK
MLDG	MOLDING
MO	MASONRY OPENING
MP	MOVABLE PARTITION
MS	METAL STUD
MSNRY	MASONRY
MTD	MOUNTED
MTG	MOUNTING
MTL, MET	METAL
MULL	MULLION
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFF	OFFICE
OH	OPPOSITE HAND / OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPP H	OPPOSITE HAND
OTS	OPEN TO STRUCTURE
OUT	OUTLET
OV	OVER
P, PTD	PAINTED
PBD	PARTICLE BOARD
PG	PAINT GRADE
PNL	PANEL
PL	PLATE / PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLMB	PLUMBING
PLYD, PLYWD	PLYWOOD
PR	PAIR
PT	PORCELAIN TILE
PTB	PORCELAIN TILE BASE
PTN	PARTITION
PTWD	PRESERVATIVE TREATED WOOD
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTY	QUANTITY
R	RISER
RA	RETURN AIR
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFL	REFLECTED
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED / REINFORCING
REQ, REQD	REQUIRED
REV	REVISED / REVISION
RFI	REQUEST FOR INFORMATION
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RSF	RUBBER SPORTS FLOOR
RT	RUBBER TREAD / TILE
RTB	RUBBER TREAD BASE
RTN	RETURN
RTT	RESILIENT TERRAZZO TILE
RW	RESCUE WINDOW
S	SOUTH / SAFETY GLAZING / SEE SPEC
SAC	SANITARY COVE BASE
SC	SOLID CORE
SCH	SCHLUTER ALUMINUM COVE BASE
SCHED	SCHEDULE / SCHEDULED
SCONC	SEALED CONCRETE
SEAL	SEALANT
SECT	SECTION
SF	SQUARE FEET
SFB	SPLIT FACE BLOCK
SH	SHELVING / SHELF / SHELVES
SHT	SHEET
SIM	SIMILAR
SL	SLATE
SPEC	SPECIFICATION
SPF	SPORTS FLOOR
SQFT	SQUARE FOOT
SS	SAND, STAIN & SEAL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
ST, STOR	STORAGE
ST STL	STAINLESS STEEL
STL	STEEL
STR, STRUCT	STRUCTURAL / STRUCTURE
SUSP, SP	SUSPENDED / SUSPENSION
T	TOP / TREAD / TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TB	TACKBOARD
TBD	TO BE DETERMINED
TEMP	TEMPERED
TERR	TERRAZZO
TEL	TELEPHONE
TFF	TOP FINISHED FLOOR
THERMO	THERMOSTAT
THK	THICK
TMP GL	TEMPERED GLASS
TO	TOP OF
TOS	TOP OF STEEL
TOSS	TOP OF STRUCTURAL SLAB
TOES	TOP OF EXISTING SLAB
TRT	TERRAZZO RESILIENT TILE
TYP	TYPICAL
UNFIN	UNFINISHED
UNO, UON	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VEST	VESTIBULE
VET	VINYL ENHANCED TILE
VFY	VERIFY
VIF	VERIFY IN FIELD
VRB	VENTED RUBBER BASE
VRS	VINYL REDUCER STRIP
VSF	VINYL SHEET
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/C	WHEEL CHAIR
W/O	WITHOUT
WB	WHITEBOARD
WBP	WHITEBOARD PAINT
WC	WATER CLOSET
WD	WOOD
WDP	WOOD PANEL
WD BLKG	WOOD BLOCKING
WD DR	WOOD DOOR
WF	WATER FOUNTAIN
WGL	WIRE GLASS
WOM	WALK-OFF MAT
WP	WATERPROOFING / WORK POINT
WR	WARDROBE
WT	WEIGHT
WW	WINDOW WALL
YCO	YARD CLEANOUT
YD	YARD
ZCC	ZINC COATED COPPER
ZCP	ZINC COMPOSITE PANEL

SYMBOLS LEGEND

- EXISTING AREA OF NO MAJOR ARCHITECTURAL WORK
- EXISTING WALL / ELEMENT TO REMAIN
- EXISTING WALL / ELEMENT TO BE DEMOLISHED
- 1hr OR NON-RATED WALL
- EXISTING DOOR TO REMAIN (U.N.O)
- EXISTING DOOR &/OR FRAME TO BE DEMOLISHED
- NEW DOOR &/OR FRAME, SEE DOOR SCHEDULE (101)
- BREAK IN A STRAIGHT ELEMENT
- BREAK IN A ROUND ELEMENT

- **ROOM NAME** 101 150 SF — ROOM IDENTIFICATION (NAME, NUMBER, & AREA)
- 1A3 — WALL TYPE w/ FIRE RATING, SEE WALL TYPES
- 1A — OPENING TYPE (I.E. WINDOW, HM / ALUM ASSEMBLY, LOUVER, ETC), SEE WINDOW TYPES
- D1 1 — KEYNOTE
- TB4 — SPECIALTY EQUIPMENT, CASEWORK, SIGNAGE OR MATERIAL TYPE
- EL 0' - 0" — DATUM / SPOT ELEVATION MARKER
- C J — CONTROL JOINT

- CENTERLINE
- A — COLUMN GRID
- 1 / A101 — EXTERIOR ELEVATION REFERENCE
- 1 / A101 / A101 — INTERIOR ELEVATION REFERENCE
- 1 / A101 — WALL OR BUILDING SECTION REFERENCE
- 1 / A101 — DETAIL REFERENCE
- 5 — REVISION MARKER

- 100 / 340 — OCCUPANT LOAD / MAX CAPACITY
- FEC — FEC - FIRE EXTINGUISHER CABINET
- 1 OCC — OCCUPANT LOAD IN ROOM
- EXIT SIGN
- 100' TO EXIT — MAX TRAVEL DISTANCE / COMMON PATH OF TRAVEL
- 12 — OCCUPANT LOAD ON PATH
- ADA ACCESSIBLE ENTRY / EXIT
- 2hr FIRE RATING
- 1hr FIRE RATING
- DIRECTION OF TRAVEL

MATERIALS LEGEND

- CMU WALL
- CMU WALL
- GWB WALL
- MASONRY
- GYPSUM WALLBOARD (GWB) TYPE "X" UNO (SEE SPECS)
- PLYWOOD (PRESSURE TREATED ALL AREAS EXPOSED TO WEATHER OR MOISTURE)
- WOOD BLOCKING (PRESSURE TREATED ALL AREAS EXPOSED TO WEATHER OR MOISTURE)
- SEALANT w/ BACKER ROD
- WATERPROOFING / ROOFING MEMBRANE OR FLASHING (THICK SOLID LINE)
- AIR / VAPOR CONTROL LAYER (THICK DASHED LINE)
- RIGID INSULATION
- BATT INSULATION
- POROUS FILL
- SUITABLE COMPACTED BACKFILL
- UNDISTURBED SOIL
- CONCRETE OR CAST STONE
- GLASS SURFACE

GENERAL NOTES

THESE NOTES ARE INTENDED TO SUPPLEMENT & BRING ATTENTION TO SPECIFIC REQUIREMENTS WITHIN THE GENERAL CONDITIONS OF THE CONTRACT AS INCLUDED IN THE PROJECT MANUAL / SPECIFICATIONS.

1. THE WORK SHALL CONFORM TO THE CURRENTLY ADOPTED EDITION OF THE NEW YORK STATE UNIFORM FIRE PREVENTION & BUILDING CODE (BCNYS) & ALL OTHER LOCAL GOVERNING CODES, ORDINANCES & REGULATIONS. IN THE EVENT OF A CONFLICT, THE MOST STRINGENT SHALL APPLY.

2. THE CONTRACTOR SHALL MAINTAIN A CURRENT & COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB SITE FOR USE BY THE OWNER & ARCHITECT.

3. THE WORK SHALL CONSIST OF ALL LABOR, MATERIALS, TRANSPORTATION, TOOLS & EQUIPMENT NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF THE WORK, LEAVING ALL WORK READY FOR USE BY THE OWNER. EVEN IF ITEMS ARE MISSING FROM THE DRAWINGS OR SPECIFICATIONS, BUT ARE NORMALLY REQUIRED FOR PROPER OPERATION OR TO COMPLETE OTHERWISE INCOMPLETE CONSTRUCTION, THEY SHALL BE INCLUDED BY THE CONTRACTOR.

4. ANY, OMISSIONS, OR CONFLICTS FOUND IN VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. COMMUNICATION SHALL BE DONE PROMPTLY AS NOT TO CAUSE ANY DELAY IN THE PERFORMANCE OF THE WORK. IN THE EVENT OF INCONSISTENCIES, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK OR COMPLY w/ THE MORE STRINGENT REQUIREMENTS, EITHER OR BOTH IN ACCORDANCE w/ THE ARCHITECT'S INTERPRETATION.

5. EXISTING CONDITIONS ARE SHOWN ON THE DRAWINGS TO THE BEST KNOWLEDGE OF THE ARCHITECT, HOWEVER THE ARCHITECT CANNOT GUARANTEE THE CORRECTNESS. THE CONTRACTOR SHALL INSPECT THE EXISTING BUILDING & SITE & DOCUMENT EXISTING CONDITIONS. ALL DISCREPANCIES SHALL BE BROUGHT THE ATTENTION OF THE OWNER & ARCHITECT PRIOR TO CONSTRUCTION.

6. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR SAFETY OR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES. THIS REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE PRESUMED TO HAVE EXAMINED THE PROJECT SITE TO CONSIDER FULLY ALL CONDITIONS THAT MAY HAVE BEARING ON THE WORK & TO HAVE ACCOUNTED FOR THESE CONDITIONS. THE CONTRACTOR IS DEEMED TO BE A QUALIFIED EXPERT IN THE REQUIREMENTS OF THE WORK. COMPENSATION OR EXTENSION OF TIME DUE TO THE CONTRACTOR'S FAILURE TO FAMILIARIZE ITSELF WITH EXISTING CONDITIONS OR FAILURE TO SUBMIT REQUIRED DOCUMENTS IN A TIMELY MANNER WILL NOT BE ALLOWED.

8. THE CONTRACTOR SHALL EXERCISE EXTREME CARE & PRECAUTION DURING CONSTRUCTION TO MINIMIZE DISTURBANCES OR DISRUPTION TO ADJACENT STRUCTURE, PROPERTY, OCCUPANTS, PUBLIC THOROUGHFARES, ETC. THE CONTRACTOR SHALL TAKE ALL REASONABLE CONTROL MEASURES & PRECAUTION TO MINIMIZE DUST, NOISE, ODOR, NUISANCE & THE LIKE TO THE PREMISES & OCCUPANTS.

9. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE CONDITIONS TO REMAIN INCLUDING INTERIOR, EXTERIOR, TREES, SHRUBS, PAVING, FENCES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, FITTING, OR PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY. ALL AREAS REQUIRING CUTTING, FITTING, OR PATCHING SHALL BE RESTORED TO THE CONDITION EXISTING PRIOR UNLESS NOTED OTHERWISE.

10. THE CONTRACTOR SHALL COORDINATE THE WORK WITH EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO IRRIGATION PIPES, ELECTRICAL CONDUIT, WATER LINES, DRAINAGE LINES, GAS LINES, WASTE SYSTEMS, ETC. THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY VARIATIONS IN ROUTING OR INSTALLATION NECESSARY TO CONFORM WITH THE INTENT OF THE CONTRACT DOCUMENTS.

11. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK. THEY SHALL PAY ATTENTION TO IMPLIED PLAN & SECTION SPATIAL RELATIONSHIPS & VERIFY ALL DATUMS, AXES & IMPLIED SYMMETRIES. ALL DIMENSIONS SHALL BE CHECKED FOR ACCURACY AS THE WORK PROGRESSES.

12. THE CONTRACT DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN, & EXTENTS OF THE WORK & ARE PARTLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO SERVE AS SHOP DRAWINGS.

13. WRITTEN DIMENSIONS TAKE PRECEDENCE. DIMENSIONS ON LARGER SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

14. ALL HORIZONTAL OR VERTICAL DIMENSIONS SHOWN IN PLAN ARE TO FACE OF FINISHED SURFACES UNLESS NOTED OTHERWISE. WHERE DIMENSIONS ARE NOTED AS "CLEAR" THEY ARE CODE OR FUNCTIONAL REQUIREMENTS & MUST BE MAINTAINED FROM FINISHED FACES. SEEK CLARIFICATION FROM THE ARCHITECT IF NEEDED.

15. DETAILS SHOWN ARE TYPICAL, UNLESS NOTED OTHERWISE. SIMILAR DETAILS APPLY IN SIMILAR CONDITIONS.

16. VERIFY ALL ARCHITECTURAL DETAILS WITH STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL CONDITIONS BEFORE ORDERING OR INSTALLING ANY ITEM OF WORK.

17. WHERE LOCATIONS OF NEW DOORS OR WINDOWS ARE NOT DIMENSIONED, THEY SHALL BE CENTERED IN THE WALL OR PLACED AS INDICATED IN TYPICAL DETAILS FROM ADJACENT WALLS.

18. ALL CHANGES OF MATERIAL SHALL OCCUR AT CENTERLINE OF DOOR OR FRAMED OPENING UNLESS NOTED OTHERWISE.

19. COORDINATE & PROVIDE APPROPRIATE STRUCTURAL BACKING & REINFORCING IN WALLS FOR WALL-MOUNTED OR WALL-SUPPORTED ITEMS INCLUDING BUT NOT LIMITED TO GRAB BARS, SHELVING, CABINETRY, SIGNAGE, TOILET ROOM ACCESSORIES, WALL MOUNTED AV EQUIPMENT, ETC.

20. ALL WORK SHALL BE FIRM, WELL & SECURELY ANCHORED, ERECTED & INSTALLED PLUMB, LEVEL, SQUARE, IN TRUE & PROPER ALIGNMENT & ADJUSTMENT WITHOUT WAVES, DISTORTIONS, HOLES, MARKS, CRACKS, STAINS, OR DISCOLORATION. JOINTING SHALL BE CLOSE FITTING, NEAT & WELL SCRIBED. FINISHED WORK SHALL NOT HAVE EXPOSED, UNSIGHTLY ANCHORS OR FASTENERS & SHALL NOT PRESENT HAZARDOUS, UNSAFE CORNERS. ALL WORK SHALL HAVE THE PROVISION FOR EXPANSION, CONTRACTION & SHRINKAGE AS NECESSARY TO PREVENT CRACKS, BUCKLING, & WARPING DUE TO TEMPERATURE & HUMIDITY CONDITIONS. INSTALL ALL MATERIALS & EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.

SHEET IDENTIFICATION LEGEND

A101-A

- DISCIPLINE DESIGNATOR
- SHEET TYPE DESIGNATOR
- SEQUENCE NUMBER
- BUILDING / BUILDING AREA DESIGNATOR (IF USED)

DISCIPLINE DESIGNATORS

G	GENERAL
CC	CODE COMPLIANCE
PH	PHASING
H	HAZARDOUS MATERIAL ABATEMENT
C	CIVIL
L	LANDSCAPE
S	STRUCTURAL
A	ARCHITECTURAL
F	FIRE PROTECTION
P	PLUMBING
M	MECHANICAL
E	ELECTRICAL

ARCHITECTURAL SHEET TYPE DESIGNATOR

1	DEMOLITION
2	FLOOR PLANS
3	EXTERIOR ELEVATIONS & BUILDING SECTIONS
4	ENLARGED PLANS & INTERIOR ELEVATIONS
5	FINISHES
6	REFLECTED CEILING PLANS
7	VERTICAL CIRCULATION
8	WALL SECTIONS & DETAILS
9	TYPICAL SCHEDULES & DETAILS

FIREHOUSE

ADDITIONS & ALTERATIONS

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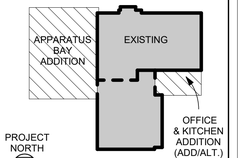
CONSTRUCTION DOCUMENTS



KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
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Sheet Title

GENERAL LEGENDS AND ABBREVIATIONS

Job No. 2023-1005	Date 06/11/24
Scale ---	Drawn / Checked TC/WH

Sheet Number

G001

BCNYS CHAPTERS 3 - 6: OCCUPANCY CLASSIFICATION & USE; BUILDING HEIGHTS & AREAS; TYPES OF CONSTRUCTION

CONSTRUCTION TYPE SECTION 504.3

EXISTING CONSTRUCTION TYPE:	TYPE IIIB
PROPOSED CONSTRUCTION TYPE:	TYPE IIIB
SEPERATED, MIXED USE OCCUPANCY	A-3, B, S-2

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS	TYPE IIIB
PRIMARY STRUCTURAL FRAME:	0 HRS
FLOORS:	0 HRS
ROOFS:	0 HRS
WALL (EXT BEARING & NON-BEARING, INT BEARING)	0 HRS
WALL (INT NON-BEARING)	0 HRS

BUILDING HEIGHT & AREA (PROPOSED CONST):	ALLOWABLE (MOST RESTRICTIVE OCC.: A-3)		ACTUAL
HEIGHT	55'		36'
STORIES	2		2
AREA PER FLOOR	9,500 SF	(1st FL)	7,822 SF (1st FL)
	9,500 SF	(2nd FL)	8,336 SF (2nd FL)

*HEIGHT ABOVE AVERAGE LOWEST FINISHED GRADE WITHIN 6' OF EXTERIOR WALLS OR WITHIN LOT LINE IF <6' AWAY FROM BUILDING.
**PRE-EXISTING NON-CONFORMING
***AREA MODIFICATIONS PER BCNYS SECTION 506:

EQUATION 5-2: Aa = [At + (NS x If)] x Sa

WHERE:

Aa =	ALLOWABLE FLOOR AREA PER STORY
At =	14,500 SF (IIB, NS)
NS =	14,500 (IIB, NS)
If =	0.25 (SEE EQUATION 5-5)
Is =	0 (NO SPRINKLERS)

EQUATION 5-5: If = [F / P - 0.25] (W / 30)

WHERE:

If =	AREA INCREASE DUE TO FRONTAGE
F =	PERIMETER FRONTING PUBLIC WAY OR ≥20' OPEN
P =	PERIMETER OF ENTIRE BUILDING
W =	WIDTH OF PUBLIC WAY (30 FT MAX)

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS — TYPE IIIB

PRIMARY STRUCTURAL FRAME:	0 HRS
FLOORS:	0 HRS
ROOFS:	0 HRS
BEARING WALLS (EXT, INT):	0, 0 HRS
NON-BEARING WALLS (EXT, INT):	0, 0 HRS

YEAR BUILT	BUILDING AREAS	EXISTING			ADDITION			TOTAL PER YEAR	BLDG TYPE	NO. STORIES
		GROUND	1st FLR	2nd FLR	GROUND	1st FLR	2nd FLR			
1949	ORIGINAL BUILDING	1,953 SF	1,857 SF	-	-	-	-	3,810 SF	IIIB	2
1968	ONE BAY ADDITION	1,144 SF	1,290 SF	-	-	-	-	2,434 SF	IIIB	2
1991	REAR ADDITION	2,223 SF	-	1,793 SF	-	-	-	4,016 SF	IIIB	2
PROP.	PROPOSED ADDITIONS	-	-	-	3,694 SF	3,694 SF	-	7,388 SF	IIIB	2
	TOTAL AREA	10,260 SF			7,388 SF			17,671 SF COMBINED		

*STORIES ABOVE GRADE PLANE - BASEMENT NOT INCLUDED IF NEXT FLOOR ABOVE IS <6' ABOVE GRADE PLANE OR <12' ABOVE FINISHED GROUND LEVEL AT ANY POINT PER BCNYS SECTION 202 DEFINITIONS

AREA PER OCCUPANCY			EXISTING	ADDITION	TOTAL
B	BUSINESS	GROUND FLOOR	---	527 SF	527 SF
		FIRST FLOOR	---	527 SF	527 SF
		SECOND FLOOR	2,369 SF	---	1,861 SF
		TOTAL	2,369 SF	1,054 SF	3,423 SF
S-2	APPARATUS BAY & STORAGE	GROUND FLOOR	2,223 SF	3,118 SF	5,341 SF
		FIRST FLOOR	3,147 SF	3,118 SF	6,265 SF
		SECOND FLOOR	---	---	---
		TOTAL	5,370 SF	6,236 SF	11,577 SF
A-3	ASSEMBLY GROUP 3	GROUND FLOOR	2,651 SF	---	---
		FIRST FLOOR	---	---	---
		SECOND FLOOR	---	---	---
		TOTAL	2,651 SF		2,651 SF

*OCCUPANCY CLASSIFICATION DETERMINED BY *NYS TECHNICAL BULLETIN 19-NYCRR-1221* REGARDING FIRE STATIONS, AMBULANCE CORPS AND RESCUE SQUADS. BULLETIN INCLUDES DESCRIPTION OF THEIR CLASSIFICATION USING 2015 IBC STANDARDS TO PROPERLY DESIGNATE THE BUILDING AS A 'MIXED-USE BUILDING' AND FURTHER EXPLAIN HOW RESTRICTIONS PER INDIVIDUAL OCCUPANCY IS APPLIED.*

ECCCNYS COMMERCIAL ENERGY EFFICIENCY

COUNTY:	WESTCHESTER	**DWG SHOWN**
CLIMATE ZONE:	4A	
GLAZED AREAS *(≤ 40% OF ABOVE GRADE ENVELOPE)*:		A301 & A302
OPAQUE THERMAL ENVELOPE REQUIREMENTS:		BCNYS TABLE C402.1.3-4
ROOF - INSULATION ENTIRELY ABOVE DECK		A801 & A802
WALLS, ABOVE GRADE - MASS		A301, A302, A801 & A802
WALLS, ABOVE GRADE - METAL FRAMED		A301, A302, A801 & A802
WALLS, BELOW GRADE - MASS		A301, A302, A801 & A802
FLOORS - MASS		A200 & A201
SLAB-ON-GRADE FLOORS - UNHEATED		A200 & A201
OPAQUE DOORS - SWINGING		A200 & A201
VERTICAL FENESTRATION:		BCNYS TABLE 402.4
FIXED FENESTRATION		A301 & A302
OPERABLE FENESTRATION		A301 & A302
ENTRANCE DOOR		A301 & A302
SHGC - PF < 0.2		SEE SPECS
SKYLIGHTS:		BCNYS TABLE 402.4
U-FACTOR		N/A
SHGC		N/A

BCNYS CHAPTER 7: FIRE & SMOKE PROTECTION

ASSEMBLY	FIRE-RESISTANCE	WHERE REQUIRED (BCNYS)	PRESENT IN PROJECT
FIRE WALL:	2 HRS	BETWEEN BUILDING TYPES	NO
(BCNYS TABLE 706.4, 707.3.10)		BETWEEN BUILDINGS	NO
FIRE BARRIER:	2 HRS	TRANSFORMER ROOM	NO
(BCNYS TABLE 508.4, 509, 707.3.10)		INT EXIT STAIRWAY ≥4 STORIES	NO
(BCNYS 713.2, 1023.2, 3002.1, 3005.4)		ELEVATOR SHAFT ≥4 STORIES	NO
**(NYSED S104-2)*		ELEV MACHINE ROOM ≥4 STORIES	NO
		SHAFTS ≥4 STORIES	NO
	1 HR	STAIR ENCLOSURE < 4 STORIES	YES
	1 HR	BETWEEN A-3 & S-2 OCCUPANCY	YES
	2 HR	BETWEEN A-3 & B OCCUPANCY	YES
	0 HR	BETWEEN S-2 & B OCCUPANCY	YES
FIRE PARTITION:	2 HR	CORRIDOR & SMOKE STOPS	NO
	1 HR	BOILER ROOM	YES
HORIZONTAL SEPARATION:	2 HRS	RATED FLOOR / CEILING ASSEMBLY	NO

**NYS TECHNICAL BULLETIN 19-NYCRR-1221 DEFINES A FIRE DEPARTMENT AS A MIXED-USE BUILDING. IF NO EXEMPTIONS ARE MET UNDER THE BULLETIN, THEN EACH OCCUPANCY IS TO BE SEPERATED AS SPECIFIED IN NYSBC SECTION 508.4"*

**** SEE DRAWING CC002 FOR LOCATIONS OF FIRE-RESISTANCE-RATED CONSTRUCTION ****

OPENING PROTECTIVES — BCNYS SECTION 716.1(2)

ASSEMBLY	WALL RATING	DOOR (MINS)	DOOR GLAZING	FRAME (MINS)	FRAME GLAZING
FIRE WALLS:	2 HRS	90	≤100 SQ IN D-H-90 >100 SQ IN D-H-W-90	120	W-120
FIRE BARRIERS:	2 HRS	90	≤100 SQ IN D-H-90 >100 SQ IN D-H-T-W-90	120	W-120
EXIT STAIR, SHAFTS & PASSAGES**	1 HR	60	≤100 SQ IN D-H-60 >100 SQ IN D-H-T-W-60	60	W-60
FIRE BARRIERS: *OTHER*	1 HR	45	D-H	45	D-H
FIRE PARTITIONS: *CORRIDORS (NO RATING REQUIRED IF SPRINKLERED)*	1 HR	20	D-20	45	D-H-45

*DOORS IN INTERIOR EXIT STAIRS, RAMPS & PASSAGES SHALL BE 450° TEMP RISE UNLESS SPRINKLERED

FIRE-RATED GLAZING ASSEMBLY MARKINGS — BCNYS 716.1(1)

TEST STANDARD	MARK	DEFINITION OF MARKING
ASTM E119 OR UL 263	W	MEETS WALL ASSEMBLY CRITERIA (PYROSTOP)
NFPA 252 OR UL 10B OR UL 10C	D	MEETS FIRE DOOR ASSEMBLY CRITERIA (FIRELITE PLUS)
	H	MEETS FIRE DOOR ASSEMBLY HOSE STREAM (FIRELITE PLUS)
	T	MEETS 450° TEMP RISE CRITERIA FOR 30 MINS (PYROSTOP)

PLUMBING FIXTURE COUNT — PCNYS TABLE 403.1

USE GROUP	OCC. LOAD FACTOR	TOTAL OCC.	WATER CLOSETS: MALE RATIO	MALE	FEMALE RATIO	FEMALE	LAVATORIES: MALE RATIO	MALE	FEMALE RATIO	FEMALE	DRINKING FOUNTAINS: RATIO	QTY
BUSINESS (B) 4,197 SQ FT	100	42	1:25 THEN 1:50 AFTER 50	1	1:25 THEN 1:50 AFTER 50	1	1:40 THEN 1:80 AFTER 50	1	1:40 THEN 1:80 AFTER 50	1	1:100	1
ASSEMBLY(A3) 1,874 SQ FT	15	125	1:125	1	1:65	1	1:200	1		1	1:500	1
STORAGE(S-2) 11,577 SQ FT	200	58	1:100	1	1:100	1	1:100	1	1:100	1	1:1000	1
REQUIRED TOTALS				3		3		3		3		3
PROVIDED				9 (5 Toilets 4 Urinals)		5		5		5		4 (2 drinking Fountains + 2 Water Coolers)

ALL BATHROOMS IN FIRE DEPARTMENT ARE UNISEX, TOTAL OCCUPANCIES ARE ASSUMED HALF MALE, HALF FEMALE

BCNYS CHAPTER 9: FIRE PROTECTION & LIFE SAFETY SYSTEMS

SYSTEM	MOST RESTRICTIVE OCCUPANCY	REQUIRED	PROVIDED
AUTO SPRINKLER SYSTEM *(BCNYS 903.2)*:	A-3	NO	NO
ALTERNATIVE AUTO FIRE-EXTINGUISHING SYSTEM:	B	NO	NO
STANDPIPE SYSTEMS:	A-3	NO	NO
PORTABLE FIRE EXTINGUISHERS:	B	YES	YES
FIRE ALARM & DETECTION SYSTEMS:	A-3	YES	YES
EMERGENCY ALARM SYSTEMS:	A-3	YES	YES
SMOKE CONTROL SYSTEMS:	A-3	NO	NO
SMOKE & HEAT VENTS:	A-3	NO	NO
FIRE COMMAND CENTER:	A-3	YES	YES
FIRE DEPARTMENT CONNECTIONS:	A-3	NO	NO

BCNYS CHAPTER 10:MEANS OF EGRESS

EGRESS INFORMATION	DWG SHOWN
ROOM USE DESIGNATIONS:	CC002, FLOOR PLANS
ROOM SQUARE FOOTAGE:	CC002, FLOOR PLANS
ROOM OCCUPANCY LOADS:	CC002
ASSEMBLY SPACE EXIT WIDTH CALCS:	CC001
AREA OF REFUGE:	CC002
RESCUE WINDOWS:	CC002, ELEVATIONS
EXIT SIGNS:	ELECTRICAL DWGS

EXIT TRAVEL DISTANCE (BCNYS TABLE 1017.2, 1020.4)	DISTANCE PROVIDED
UNSPRINKLERED:	< 150'
SPRINKLERED:	N/A
DEAD-END CORRIDORS (UNSPRINKLERED):	< 30'
DEAD-END CORRIDORS (SPRINKLERED):	N/A

OCCUPANCY LOAD (BCNYS SECTION 1004.5)	DISTANCE PROVIDED
APPARATUS BAYS:	200 GROSS SF / PERSON
EXERCISE ROOM:	100 GROSS SF / PERSON
OFFICE AREAS:	150 GROSS SF / PERSON
KITCHEN AREAS:	200 GROSS SF / PERSON
STORAGE / MECHANICAL:	300 GROSS SF / PERSON

EXIT WIDTH (BCNYS SECTION 1005.1)	REQUIRED WIDTH
STAIR WIDTH	
UNSPRINKLERED:	.3" / OCCUPANT
≥50 OCC LOAD:	44" MIN
<50 OCC LOAD:	36" MIN
ACCESSIBLE:	48" MIN BETWEEN HANDRAILS
OTHER EGRESS COMPONENTS	
UNSPRINKLERED:	.2" / OCCUPANT

CORRIDOR WIDTH (BCNYS TABLE 1020.2)	REQUIRED WIDTH
≥50 OCC LOAD:	>50"
<50 OCC LOAD:	3'-0" MIN

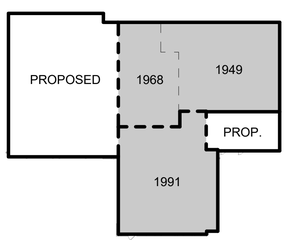
BCNYS CHAPTER 11: ACCESSIBILITY

ACCESSIBILITY INFORMATION:	DWG SHOWN
ACCESSIBLE ROUTE:	CC002
ACCESSIBLE ENTRANCES:	CC002
PARKING FACILITIES:	SITE PLAN
ASSEMBLY SEATING:	CC002
TOILET FACILITIES:	CC002
ACCESSIBLE FEATURES:	FLOOR PLANS, ELEVATIONS, DETAILS
VERTICAL ACCESS / ELEVATOR:	CC002
SIGNAGE:	SPECIFICATIONS, SIGNAGE SCHEDULE

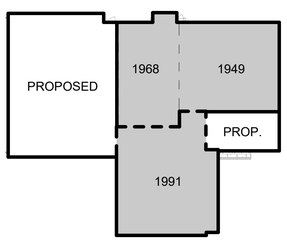
PROJECT INFORMATION

BUILDING:	POUND RIDGE FIRE DEPARTMENT, 80 WESTCHESTER AVENUE, POUND RIDGE, NY 10576
TYPE OF PROJECT:	ADDITIONS & LEVEL 2 ALTERATIONS
PROJECT DESCRIPTION: TO	NEW APPARATUS BAYS, STORAGE, KITCHEN AND OFFICES, WITH MINOR ALTERATIONS THE EXISTING BUILDING
APPLICABLE CODES:	2020 NEW YORK STATE UNIFORM FIRE PREVENTION & BUILDING CODE (NYS BC)
	2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (NYS ECCC)

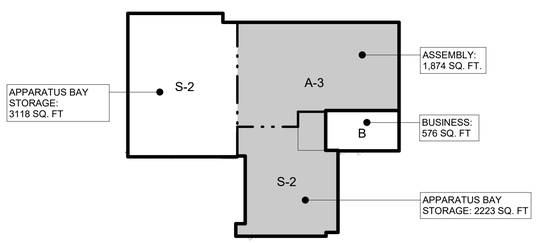
BUILDING AREAS



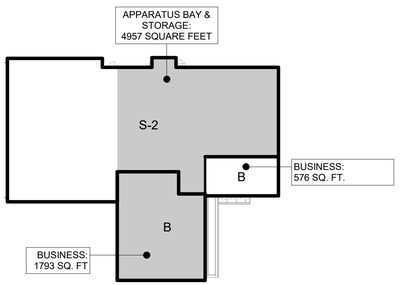
1 BUILDING AREA GROUND FLOOR
1/32" = 1'-0"



2 BUILDING AREA 1ST/2ND FLOOR
1/32" = 1'-0"



4 BUILDING OCC GROUND FLOOR
1/32" = 1'-0"



5 BUILDING OCC 1ST / 2ND FLOOR
1/32" = 1'-0"

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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CONSTRUCTION DOCUMENTS

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
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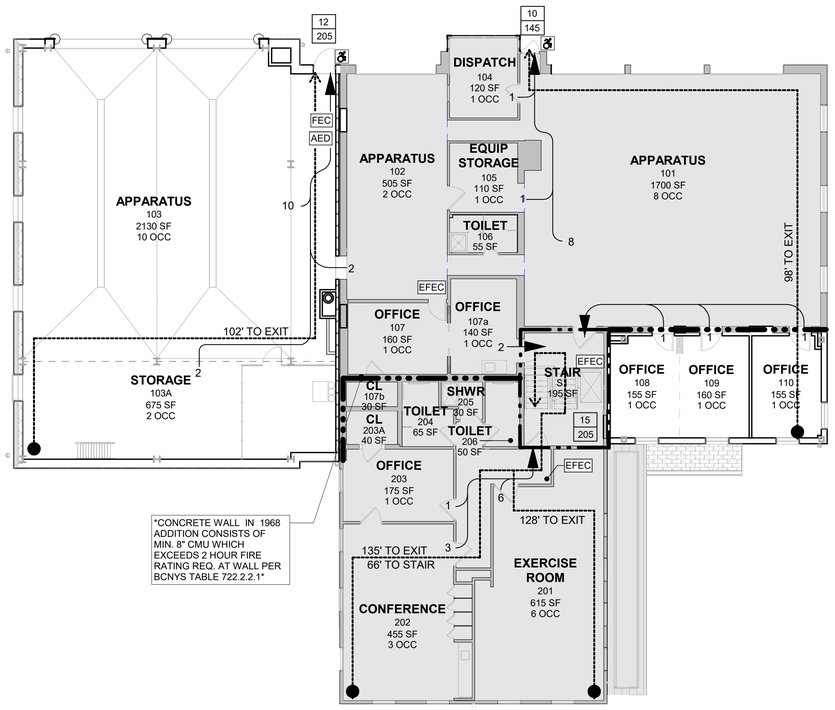
Sheet Title

CODE COMPLIANCE INFORMATION

Job No. 2023-1005	Date 06/11/24
Scale AS NOTED	Drawn / Checked TC/WH

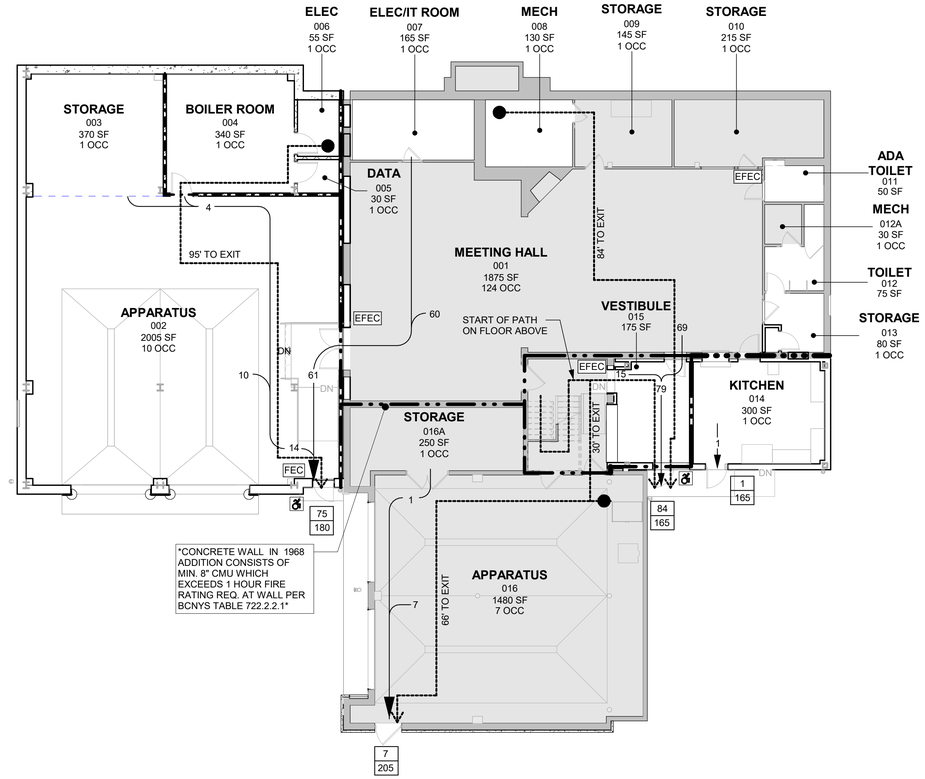
Sheet Number

CC001



1 CODE COMPLIANCE PLAN - 1st/2nd FLOOR

3/32" = 1'-0"



G CODE COMPLIANCE PLAN - GROUND FLOOR

3/32" = 1'-0"

LEGEND

- 1 HR FIRE PARITITION
- 1 HR FIRE BARRIER
- 2 HR FIRE BARRIER
- EGRESS PATH
- OCCUPANT LOAD
- ## / ## — DOOR OCC LOAD & EGRESS DOOR CAPACITY
- EFEC — EXISTING FIRE EXTINGUISHER LOCATION
- FEC — FIRE EXTINGUISHER CABINET
- ADA ACCESSIBLE ENTRY / EXIT

DOOR CAPACITY CALCULATIONS (GENERAL)

AT 36" WIDE SINGLE DOORS, 33" CLEAR EGRESS WIDTH SHALL BE PROVIDED
UNSPRINKERED: 33" / 0.20" PER OCCUPANT = 165 OCCUPANT CAPACITY

AT 39" WIDE SINGLE DOORS, 36" CLEAR EGRESS WIDTH SHALL BE PROVIDED
UNSPRINKERED: 36" / 0.20" PER OCCUPANT = 180 OCCUPANT CAPACITY

AT 44" WIDE SINGLE DOORS, 41" CLEAR EGRESS WIDTH SHALL BE PROVIDED
UNSPRINKERED: 41" / 0.20" PER OCCUPANT = 205 OCCUPANT CAPACITY

STAIR CAPACITY CALCULATIONS (PER LOADING SHOWN IN CC PLANS)

STAIR
REQUIRED: 165 OCCUPANTS X 0.2" PER OCCUPANT = 33"
PROVIDED: 41" (0.2" PER OCCUPANT = 205 OCCUPANT CAPACITY)

YEAR BUILT	BUILDING AREAS	EXISTING			ADDITION			TOTAL PER YEAR	BLDG TYPE	NO. STORIES
		GROUND	1st FLR	2nd FLR	GROUND	1st FLR	2nd FLR			
1949	ORIGINAL BUILDING	1,953 SF	1,857 SF	-	-	-	-	3,810 SF	IIIB	2
1968	ONE BAY ADDITION	1,144 SF	1,290 SF	-	-	-	-	2,434 SF	IIIB	2
1991	REAR ADDITION	2,223 SF	-	1,793 SF	-	-	-	4,016 SF	IIIB	2
PROP.	PROPOSED ADDITIONS	-	-	-	3,694 SF	3,694 SF	-	7,388 SF	IIIB	2
	TOTAL AREA	10,260 SF			7,388 SF			17,671 SF COMBINED		

FIREHOUSE
ADDITIONS & ALTERATIONS

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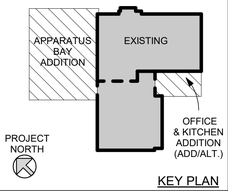
CONSTRUCTION DOCUMENTS



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Sheet Title

CODE COMPLIANCE PLANS

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

CC002

FIREHOUSE
ADDITIONS & ALTERATIONS

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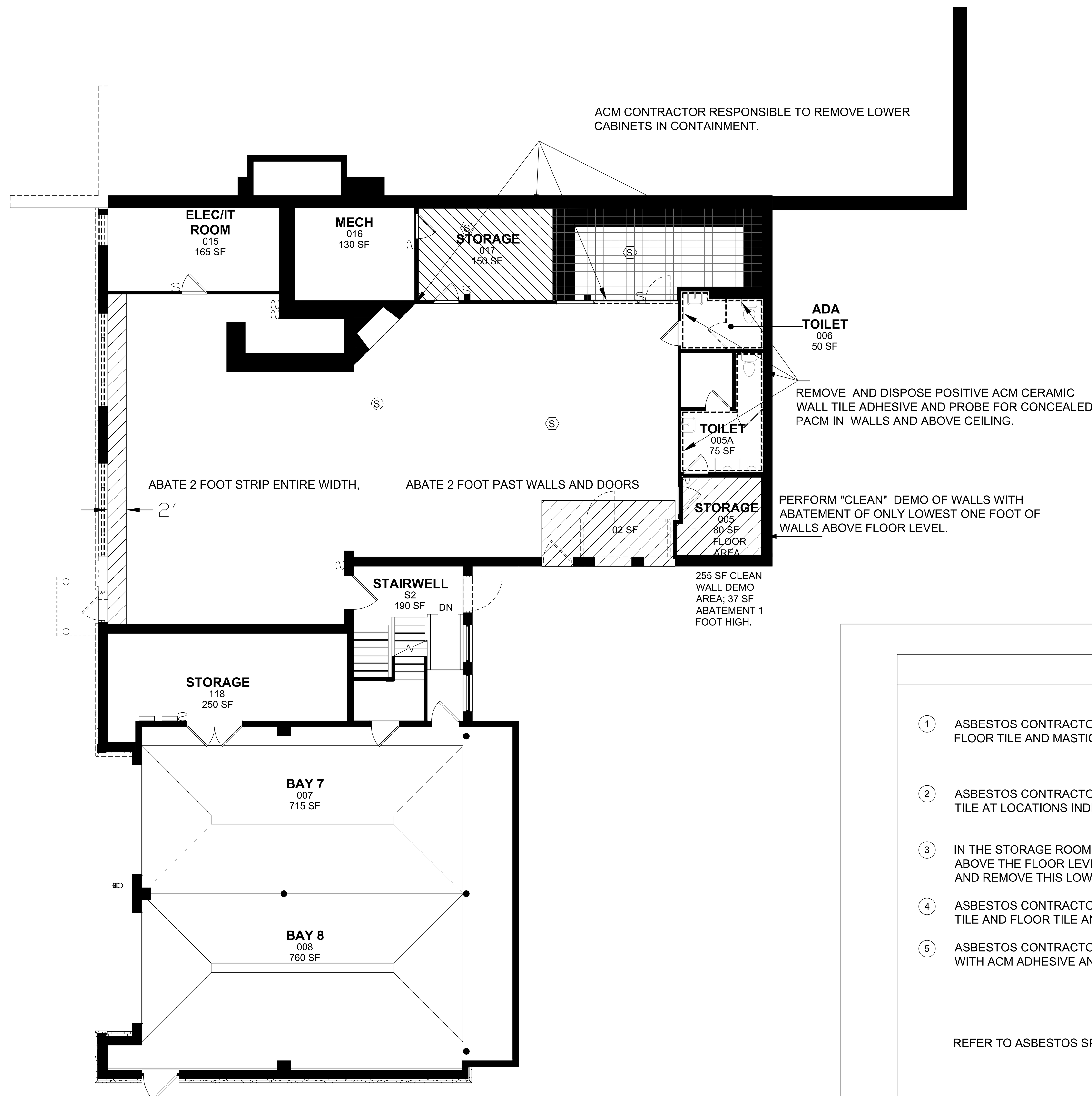
BID DOCUMENTS

1376 NYS Route 9
Wappingers Falls, NY 12590
TEL.: (845) 298-6031
FAX :(845) 298-1325



1 GROUND FLOOR ABATEMENT PLAN
NTS

ASBESTOS ABATEMENT LEGEND

1	REMOVE AND DISPOSE OF ACM FLOOR TILE AND MASTIC AT DESIGNATED LOCATIONS, REFER TO NOTE 1.
2	REMOVE AND DISPOSE OF ACM CONTAINING 2' x 4" SUSPENDED CEILING TILE. REFER TO NOTE 2.
3	REMOVE AND DISPOSE OF ACM CONTAINING CERAMIC WALL TILE ADHESIVE AND PROBE FOR CONCEALED PACM IN WALLS AND ABOVE CEILING.
4	REMOVE AND DISPOSE OF ACM 2' x 4' SUSPENDED CEILING TILE AND FLOOR TILE AND MASTIC AT DESIGNATED LOCATIONS. REFER TO NOTE 4.

ASBESTOS ABATEMENT NOTES

1. ASBESTOS CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF NON FRIABLE ACM FLOOR TILE AND MASTIC AT LOCATIONS INDICATED ON THE PLANS.
2. ASBESTOS CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF 2'X4' SUSPENDED CEILING TILE AT LOCATIONS INDICATED ON THE PLANS.
3. IN THE STORAGE ROOM, ASBESTOS CONTRACTOR IS RESPONSIBLE FOR CLEAN DEMOLITION OF WALLS DOWN TO ONE FOOT ABOVE THE FLOOR LEVEL. THE REMAINING ONE FOOT OF WALL HEIGHT IS POSITIVE FOR ASBESTOS. CONTRACTOR TO ABATE AND REMOVE THIS LOWEST SECTION OF WALL ONE FOOT ABOVE THE FLOOR.
4. ASBESTOS CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF 2'X4' SUSPENDED CEILING TILE AND FLOOR TILE AND MASTIC AT LOCATIONS INDICATED ON THE PLANS.
5. ASBESTOS CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF CERAMIC WALL TILES WITH ACM ADHESIVE AND PROBING OF WALLS AND CEILINGS FOR CONECALED PACM TSI INSULATION.

REFER TO ASBESTOS SPECIFICATION 02 08 00 SECTION 3.17 FOR A MORE DETAILED DESCRIPTION OF THE ABATEMENT WORK.

Professional Seal

STATE OF NEW YORK
ANTHONY NICHOLAS MELUSO
067937
LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE OF REGISTRATION: NOVEMBER 30, 2025

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Sheet Title

GROUND LEVEL ABATEMENT PLANS

Job No. 2023-1005	Date 06/11/24
Scale AS NOTED	Drawn / Checked AM/LG

Sheet Number

HAZ01

LEGEND

— — — —	EXISTING 1' CONTOUR
——400——	EXISTING 5' CONTOUR
—— — ——	PROPERTY LINE
————	NEIGHBORING PROPERTY LINE
▬ ▬ ▬ ▬	ZONING DISTRICT BOUNDARY
— — — —	BUILDABLE AREA PER ZONING MAP
△— · · —△	WETLAND BOUNDARY
—— · —— · ——	100' NYCDEC WETLAND ADJACENT AREA
—— — ——	150' TOWN WETLAND SETBACK
—— · · ——	100 YEAR FEMA FLOOD BOUNDARY
—— · · · ——	WATERCOURSE
▒	POND
░	WETLAND AREA
▭	EXISTING BUILDING
———	EDGE OF PAVEMENT
PnB —— — ——	SOIL BOUNDARY AND SOIL TYPE
▭	EXISTING SLOPES 15% - 25%
▭	EXISTING SLOPES GREATER THAN 25%
▨	EXISTING ASPHALT PARKING AREA TO BE REMOVED
·—•—•—•—•—•	EXISTING GUIDE RAIL TO BE REMOVED
✕	EXISTING TREE TO BE REMOVED
Ⓦ	EXISTING WELL
Ⓦ	PROPOSED WELL
🟩	GRASS AREA
▭	PROPOSED BUILDING
▭	PROPOSED ASPHALT DRIVEWAY
▨	PROPOSED CONCRETE APRON/SIDEWALK
———	PROPOSED EDGE OF PAVEMENT
═══	PROPOSED CONCRETE CURB
═══	PROPOSED GRANITE CURB
▬	PROPOSED POURED CONCRETE RETAINING WALL WITH STONE VENEER
▨	PROPOSED SEGMENTED BLOCK RETAINING WALL
▶	EXTERIOR DOOR LOCATION
— — 393 — —	PROPOSED 1' CONTOUR
—— 394 ——	PROPOSED 2' CONTOUR
—— 395 ——	PROPOSED 5' CONTOUR
◪	PROPOSED DRAINAGE INLET
◑	PROPOSED DRAINAGE MANHOLE
▬ ▬ ▬	PROPOSED DRAINAGE PIPE
—— RD ——	PROPOSED ROOF DRAIN
—— FD ——	PROPOSED FOOTING DRAIN
—— — — ——	PROPOSED LIMIT OF DISTURBANCE ± 42,354 SF
—— SF ——	PROPOSED SILT FENCE
[ ]	PROPOSED INLET PROTECTION
▨	PROPOSED STABILIZED CONSTRUCTION ENTRANCE
SS (SF)	PROPOSED SOIL STOCKPILE
▦	PROPOSED EROSION CONTROL BLANKETS
◌	PROPOSED TREE PROTECTION

THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

GENERAL NOTES:

1. EXISTING TOPOGRAPHY, WETLAND BOUNDARY, PROPERTY LINES, EXISTING STRUCTURES, ETC.WITHIN LIMITS OF DISTURABANCE SHOWN HEREON TAKEN FROM SURVEY ENTITLED "TOPOGRAPHIC SURVEY PREPARED FOR POUND RIDGE FIRE DISTRICT" PREPARED BY RKW LAND SURVEYING, LAST REVISED SEPTEMBER 14, 2023.
2. ADDITIONAL OFFSITE TOPOGRAPHY TAKEN FROM WESTCHESTER COUNTY GIS DATA.
3. WETLAND FLAGS WLF#1 - WLF#90 DELINEATED BY KELLARD SESSIONS CONSULTING ON SEPTEMBER 14, 2018. WETLAND FLAGS WLF# A 44- A 56 DELINEATED BY ECOLOGICAL ON APRIL 07, 2014.
4. ON-SITE WETLANDS SHOWN HEREON ARE REGULATED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AND THE TOWN OF POUND RIDGE. WETLAND BOUNDARY VERIFIED BY JOSHUA FISHER OF THE NYSDEC ON OCTOBER 30, 2018.
5. EXISTING SEPTIC AND WELL INFORMATION HAS BEEN OBTAINED FROM THE WESTCHESTER COUNTY HEALTH DEPARTMENT FOILED RECORDS.
6. PROPERTY IS LOCATED WITHIN THE INLAND LONG ISLAND SOUND WATERSHED.
7. FEMA FLOODPLAIN SHOWN HEREON TAKEN FROM WESTCHESTER COUNTY GIS DATA. THE AREA DOWNSTREAM FROM THE PROJECT WITHIN THE SUBJECT PROPERTY INCLUDES THE FEMA 100-YEAR FLOODPLAIN ZONE A, ELEVATION, 367, AS PER MAP PANEL 36119C0183F, EFFECTIVE 9/28/2007.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF THE EXISTING FEATURES DISTURBED BY THE CONSTRUCTION OF THIS CONTRACT TO EXISTING CONDITION OR BETTER, AS DETERMINED BY THE ENGINEER.
9. THE ENGINEER WHOSE SEAL APPEARS HEREON IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS AND, THEREFORE, ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION PRACTICES, PROCEDURES, AND RESULTS THEREFROM.
10. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE OR HELD ACCOUNTABLE FOR THE INTEGRITY OF ANY STRUCTURES CONSTRUCTED OR UNDER CONSTRUCTION PRIOR TO THE APPROVAL OF THE PLANS.
11. THE TOWN ENGINEER SHALL BE NOTIFIED 48 HOURS BEFORE COMMENCING SITE CONSTRUCTION.
12. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE TOWN CURRENT DPW STANDARDS REGARDLESS OF WHAT MAY BE SHOWN OR OMITTED ON THE PLANS.
13. ALL CONDITIONS, LOCATIONS, AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES.
14. ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER AND ANY SUCH CHANGES SHALL BE FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.
15. THE CONTRACTOR SHALL NOTE THAT IF SOIL FILL IS TO BE IMPORTED TO THE SITE FOR BACKFILL, HE SHALL BE RESPONSIBLE FOR PROVIDING SOIL MANIFESTS INDICATING THE SOURCE AS WELL AS SOIL SAMPLES, COLLECTED AND TESTED AT THE OWNER'S EXPENSE BY A CERTIFIED SOIL TESTING LABORATORY, TO ENSURE THERE ARE NO CONTAMINANTS PRESENT IN THE IMPORTED SOIL THAT EXCEED REGULATORY LIMITS. COPIES OF ANY SOIL REPORTS SHALL BE PROVIDED TO THE ENGINEER FOR SUBMISSION TO THE TOWN DPW.
16. SEE PLANS PREPARED BY THE DI SALVO ENGINEERING GROUP FOR ALL BUILDING AND STRUCTURAL DRAWINGS, DETAILS AND NOTES.
17. SEE PLANS PREPARED BY KG+D ARCHITECTS P.C. FOR MEP DETAILS AND NOTES.
18. THE CONTRACTOR SHALL WORK THIS PLAN IN COORDINATION WITH THOSE PLANS PREPARED BY OTHERS FOR IMPROVEMENTS RELATED TO ARCHITECTURE, STRUCTURAL, MEP, ETC. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
19. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL IN A “CODE 53”AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO CONSTRUCTION FOR UNDERGROUND UTILITY LOCATIONS.
21. SUBSTRUCTURES AND THEIR ENCROACHMENTS BELOW GRADE, IF ANY, ARE NOT SHOWN.
22. CONTRACTOR TO VERIFY ALL SUBSTRUCTURES ENCOUNTERED DURING CONSTRUCTION.
23. ANY PROPOSED ELECTRIC AND/OR TELEPHONE SERVICE LINES ARE TO BE PLACED UNDERGROUND.
24. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
25. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS, AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
26. THE DESIGN ENGINEER DISCLAIMS ANY LIABILITY FOR DAMAGE OR LOSS INCURRED DURING OR AFTER CONSTRUCTION.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR ANY BLASTING IF REQUIRED.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE TOWN/VILLAGE/CITY BUILDING DEPARTMENT'S OFFICE A MINIMUM OF 48 HOURS BEFORE COMMENCING SITE DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL IN A “CODE 53” AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO DEMOLITION/CONSTRUCTION FOR UNDERGROUND UTILITY LOCATIONS.
3. PRIOR TO DEMOLITION OF ANY STRUCTURE, THE OWNER SHALL PROVIDE DOCUMENTATION FROM THE RESPECTIVE UTILITY OWNERS VERIFYING THE DATES OF DISCONNECT FOR THE GAS, ELECTRIC, WATER AND SEWER SERVICES AS APPLICABLE TO EACH STRUCTURE.
4. PRIOR TO DEMOLITION OF ANY STRUCTURE, THE OWNER SHALL PROVIDE AN ASBESTOS REMOVAL CERTIFICATION DEMONSTRATING COMPLIANCE WITH NEW YORK STATE INDUSTRIAL CODE RULE 56 - ASBESTOS, AS APPLICABLE TO EACH STRUCTURE, AS PERFORMED BY A NYS LICENSED ASBESTOS INSPECTOR.
5. ANY ASBESTOS CONTAINING MATERIALS SHALL BE REMOVED AND MANAGED BY A QUALIFIED ASBESTOS ABATEMENT CONTRACTOR IN ACCORDANCE WITH REGULATIONS SPECIFIED IN 12 NYCRR PART 56 AND USEPA REGION 2 GUIDANCE, LATEST EDITION.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CLEAN AND SAFE WORK AREA IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL TRACKED SOIL AND DEBRIS FROM WITHIN THE RIGHT-OF-WAY ON A DAILY BASIS AT A MINIMUM OR AS DIRECTED BY THE ENGINEER OR TOWN OFFICIALS.
8. BUILDING DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL STRUCTURAL COMPONENTS, ROOFING, SIDING, CONCRETE AND/OR BLOCK WALLS, WINDOWS AND DOORS, INTERIOR PARTITIONS, FLOOR SLABS AND FOUNDATIONS, PAVEMENTS, INTERIOR AND EXTERIOR LIGHTING, ALL ASSOCIATED UNDERGROUND AND OVERHEAD UTILITIES, AND ALL EXISTING FEATURES IDENTIFIED ON THE PLAN.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROPER OFF-SITE DISPOSAL OF ALL DEMOLITION DEBRIS, INCLUDING HAULING TO AND DISPOSAL OF SAME, to LICENSED LANDFILLS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND TEMPORARY SUPPORTS AS MAY BE REQUIRED TO PROTECT EXISTING UNDERGROUND UTILITIES AND ADJACENT STRUCTURES.
11. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIALS AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATION.
12. IF CONTAMINATED MATERIAL IS ENCOUNTERED DURING DEMOLITION AND/OR CONSTRUCTION, THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A WASTE MANAGEMENT PLAN IN ACCORDANCE WITH THE STATE, FEDERAL, AND LOCAL REGULATIONS.
13. ALL ITEMS DISTURBED BY DEMOLITION, SAW CUTTING, EXCAVATION, ETC., THAT ARE TO REMAIN SHALL BE REPLACED, RESET, OR RECONSTRUCTED AS REQUIRED TO RESTORE STRUCTURAL INTEGRITY AND SUITABLE APPEARANCE TO EXISTING CONDITIONS OR BETTER AS DETERMINED BY THE OWNER OR ENGINEER.
14. ALL MATERIALS IDENTIFIED FOR REUSE IN THE NEW CONSTRUCTION SHALL BE STORED IN A SAFE LOCATION AT THE PROJECT WORK SITE. ALL MATERIALS THAT ARE NOTED TO BE REUSED SHALL BE CAREFULLY DISMANTLED TO AVOID DAMAGE. ANY DAMAGED ITEMS THAT ARE TO BE REUSED SHALL BE REPLACED WITH NEW MATERIAL OF EQUIVALENT SIZE AND MAKE AS DETERMINED BY THE OWNER OR ENGINEER.
15. ALL EXISTING BITUMINOUS AND CONCRETE PAVEMENT NOTED TO BE REMOVED MUST BE REMOVED COMPLETELY THROUGHOUT THE SITE TO PERMIT PROPER GRADING AND FILL PLACEMENT AS WELL AS FACILITATE BUILDING CONSTRUCTION AND UTILITY INSTALLATIONS. THE REUSE OF EXISTING PAVEMENT SLAB MATERIALS AFTER PROCESSING SHOULD BE IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS AND ENVIRONMENTAL STATUES AND AT THE DIRECTION OF THE CIVIL AND GEOTECHNICAL ENGINEER. A SMOOTH, UNIFORM EDGE MUST BE PROVIDED ALONG THE LIMIT OF PAVEMENT REMOVAL. THE CONTRACTOR SHALL SAW CUT THE PAVEMENT ALONG THE LIMIT OF PAVEMENT REMOVAL.
16. THE CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS WITHIN THE LIMIT OF SITE CONSTRUCTION INCLUDING PAVEMENT, CURB AND GUTTER, SIDEWALKS, SIGNS, FENCES, CONCRETE SLABS, WALLS, DEBRIS, AND VEGETATION. DO NOT DISTURB OR REMOVE EXISTING TREES BEYOND LIMIT OF DISTURBANCE OR OTHERWISE DESIGNATED TO BE PROTECTED.
17. THE CONTRACTOR MUST INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES PER THE APPROVED PLAN PRIOR TO THE START OF EARTH DISTURBING ACTIVITIES.
18. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY COMPANIES IMMEDIATELY AFTER RECEIVING A “NOTICE TO PROCEED” FROM THE OWNER TO MARK OUT UTILITIES. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND WERE OBTAINED BY FIELD OBSERVATIONS AND FROM EXISTING RECORDS/SURVEYS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL THE VARIOUS UTILITY COMPANIES TO VERIFY THE EXISTENCE, LIMITS, AND/OR LOCATIONS OF ANY UTILITIES AND/OR FACILITIES THAT MAY BE ALONG OR WITHIN THE VICINITY OF THIS IMPROVEMENT, PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
19. ALL EXISTING UTILITIES TO BE REMOVED ARE TO BE DISCONNECTED PRIOR TO THE START OF DEMOLITION. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. CONTRACTOR MUST PROVIDE ADEQUATE TIME FOR RELOCATION AND COORDINATION WITH THE UTILITY COMPANIES TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. ALL EXISTING SEWER AND WATER SERVICES SHALL BE CUT AND CAPPED AT THE MAIN BY A LICENSED PLUMBER.
20. ALL EXISTING UTILITIES THAT ARE NOT TO BE MAINTAINED IN SERVICE SHOULD EITHER BE REMOVED AND REPLACED WITH APPROVED COMPACTED FILL OR BE ABANDONED IN PLACE BY FILLING WITH GROUT AND CAPPING, PROVIDED THAT THEY DO NOT INTERFERE WITH ANY OF THE PROPOSED CONSTRUCTION.
21. THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED UTILITY SERVICE TO THE SURROUNDING AREA.
22. THE DEMOLITION INFORMATION PROVIDED MAY NOT REPRESENT ALL DEMOLITION NECESSARY FOR CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE FULL EXTENT OF THE PROJECT DEMOLITION AND CONSTRUCTION ABOVE GROUND AND BELOW.
23. ALL WORK SHOWN ON THE DRAWINGS SHALL BE FIELD MEASURED AND OTHERWISE VERIFIED THROUGH FIELD EXPLORATIONS MADE DURING THE DEMOLITION PHASE. IN THE EVENT OF CONFLICT PERTAINING TO PLAN, ELEVATION OR DIMENSIONS, THE ENGINEER SHOULD BE IMMEDIATELY NOTIFIED SO THAT THE ENGINEER CAN RESOLVE ANY CONFLICT.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY DEMOLITION AND CONSTRUCTION PERMITS INCLUDING, BUT NOT LIMITED TO SIDEWALK/STREET CLOSING, DEMOLITION, DISPOSAL AND ASBESTOS ABETMENT.
25. CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALK, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE ADEQUATE AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL ITEMS WITH FENCING, BARRICADES, ENCLOSURES, ETC. (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES). CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES.
26. CONTRACTOR SHALL COORDINATE/PHASE ALL CONSTRUCTION ACTIVITY AND UTILITY INTERRUPTIONS WITH THE OWNER TO MINIMIZE DISTURBANCE.
27. THE CONTRACTOR SHALL MAINTAIN AND PROTECT ALL OFFSITE PROPERTIES AND STRUCTURES FROM ANY AND ALL DAMAGE DURING THE DEMOLITION OPERATION. THE CONTRACTOR SHALL, USE ANY NECESSARY PROTECTION SCREENS, PLATFORMS, BRACING, UNDERPINNING, ETC. TO PROTECT OFFSITE PROPERTY. ANY DAMAGE CAUSED BY THE CONSTRUCTOR OR HIS/HER AGENTS SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

GENERAL UTILITY NOTES:

1. ALL EXISTING SANITARY SEWERS, DRAINS AND WATER SERVICES THAT WILL NO LONGER BE UTILIZED MUST BE ABANDONED AT THE MAIN, INCLUDING ALL ASSOCIATED RESTORATION WORK, AS DIRECTED BY DPW.
2. PRESSURIZED LINE STOPS MAY BE REQUIRED TO PROVIDE THE NECESSARY TEMPORARY WATER MAIN SHUTDOWNS AND ISOLATION NEEDED FOR THE INSTALLATION OF ANY PROPOSED DOMESTIC OR FIRE WATER SERVICES AND VALVES. THE CONTRACTOR SHALL COORDINATE ALL SHUTDOWNS WITH THE TOWN DPW AND PROVIDE ADEQUATE ADVANCE NOTIFICATION. MATERIALS REQUIRED FOR THE LINE STOP SHALL MEET THE STANDARDS OF THE TOWN OF POUND RIDGE.
3. ELECTRIC, GAS, TELEPHONE/DATA SERVICES SHOWN ON THIS PLAN ARE SCHEMATIC FOR COORDINATION PURPOSES ONLY. THE CONTRACTOR IS REQUIRED TO COORDINATE INSTALLATION AND SPECIFICATIONS WITH DESIGN DRAWINGS AND DETAILS BY OTHERS AND THE RESPECTIVE UTILITY OWNER.
4. INTERFERENCE MAY BE ENCOUNTERED WITH EXISTING UTILITIES (I.E. - GAS, ELECTRIC, TRAFFIC CONTROL, COMMUNICATION, ETC.) THAT LIE WITHIN THE WORK AREA BUT MAY NOT BE SHOWN ON THE PLANS. TEST PITS ARE REQUIRED IN THE AREA OF UNDERGROUND UTILITIES.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL IN A “CODE 53” A MINIMUM OF 2 DAYS BUT NOT MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION OF UNDERGROUND UTILITIES.
6. ALL UTILITIES, INCLUDING ELECTRIC LINES, TELEPHONE, CABLE, WATER, SANITARY SEWER LINES, AND STORM SEWER LINES SHALL BE LOCATED UNDERGROUND AND SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN AND THE UTILITY COMPANIES HAVING JURISDICTION.
7. ANY PROPOSED ELECTRIC AND/OR TELEPHONE SERVICE LINES ARE TO BE PLACED UNDERGROUND AND SHALL BE ENCASED IN RIGID CASING FOR A MINIMUM OF 6 FEET (2-4-2) ACROSS ALL WATER MAINS.
8. ROOF LEADERS SHALL EMPTY INTO STORM DRAINAGE SYSTEMS. THE ELEVATION OF FOOTINGS SHALL BE ADJUSTED ACCORDINGLY TO PERMIT PROPER DRAINAGE. UNDER NO CIRCUMSTANCES SHALL THE DISCHARGE OR GROUND WATER OR STORM WATER, EITHER BY GRAVITY OR BY PUMPING, BE DISCHARGED TO ANY SANITARY SEWER SYSTEM.
9. STORM DRAIN PIPING TO BE HIGH DENSITY POLYETHYLENE AS SHOWN ON THE CONSTRUCTION DRAWINGS. MINIMUM COVER TO BE 2 FEET UNLESS OTHERWISE NOTED.
10. PRIOR TO FINAL APPROVAL AND OPERATION OF THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL CLEAR ALL ACCUMULATED SEDIMENT AND/OR DEBRIS FROM DRAINAGE STRUCTURES, MANHOLES, CULVERTS, OUTLETS AND DRAIN INLETS. THE ENGINEER SHALL BE NOTIFIED FOR FINAL INSPECTION.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SHORE EXISTING UTILITIES AND EXISTING IMPROVEMENTS AS REQUIRED BY CONSTRUCTION.

TOWN OF POUND RIDGE STANDARD NOTES:

- A WETLANDS PERMIT SHALL BE REQUIRED FROM THE WATER CONTROL COMMISSION OF THE TOWN OF POUND RIDGE FOR ANY REGULATED ACTIVITY WITHIN 150 FEET OF THE WETLANDS BOUNDARIES IN ACCORDANCE WITH THE TOWN OF POUND RIDGE WETLANDS LAW.
- APPROVAL BY THE POUND RIDGE WATER CONTROL COMMISSION SHALL BE OBTAINED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR ANY REGULATED ACTIVITY, AS DEFINED IN THE POUND RIDGE FRESHWATER WETLANDS LAW.
- AN APPLICATION TO POUND RIDGE FOR A BUILDING PERMIT OR FOR A WETLANDS PERMIT SHALL INCLUDE A SURVEY OF THE LOT SHOWING THE LOCATION OF THE EXISTING WETLANDS-CONTROLLED AREA. THE TOWN ENGINEER OR CONSULTING ENGINEER, BUILDING INSPECTOR, OR WATER CONTROL COMMISSION, AS APPROPRIATE, MAY REQUIRE THAT THE WETLANDS-CONTROLLED AREA FOR ANY INDIVIDUAL LOT BE DELINEATED IN THE FIELD, BY MEANS OF STAKES, FENCING, OR OTHER MEANS, PRIOR TO THE INITIATION OF ANY CONSTRUCTION ACTIVITY.
- THE MINIMUM REQUIRED YARD IS INCLUSIVE OF THE MINIMUM BUFFER AREA. NO BUILDINGS, STRUCTURES, DRIVEWAYS, PARKING AREAS, SEPTIC AREAS, UTILITIES OR OTHER IMPROVEMENTS, EXCLUDING THE REPAIR OF EXISTING STONE WALLS AND NON-ELECTRIC FENCES FOUR (4) FEET OR LESS IN HEIGHT, SHALL BE PERMITTED WITHIN THE MINIMUM BUFFER AREA EXCEPT AS SHOWN ON A CONSTRUCTION PLAN OR SITE PLAN APPROVED BY THE PLANNING BOARD. SUCH DISTURBANCE WITHIN THE MINIMUM REQUIRED BUFFER AREA SHALL BE THE MINIMUM NECESSARY TO PROVIDE APPROPRIATE AND REASONABLE ACCESS OR SERVICE TO SAID LOT. SAID AREAS SHALL GENERALLY BE MAINTAINED IN AS NATURAL A CONDITION AS POSSIBLE, EXCEPT THAT ADDITIONAL LANDSCAPING OR PLANTING OR OTHER BUFFER SCREENING MAY BE REQUIRED OR PERMITTED BY THE PLANNING BOARD AS PART OF SITE PLAN APPROVAL.
- ALL REQUIRED EXISTING AND PROPOSED VEGETATION SHOWN ON THE APPROVED SITE PLAN SHALL BE MAINTAINED IN A HEALTHY AND VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF THE USE OF THE SITE. ALL VEGETATION NOT SO MAINTAINED SHALL BE REPLACED WITH COMPARABLE VEGETATION AT THE BEGINNING OF THE NEXT GROWING SEASON.

EROSION AND SEDIMENT CONTROL NOTES:

ALL PROPOSED SOIL EROSION AND SEDIMENT CONTROL PRACTICES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING PUBLICATIONS:

- NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (NYSSESC), LATEST EDITION
- TOWN CODE OF POUND RIDGE CHAPTER 91B “STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL”

THE PRIMARY AIM OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN IS TO REDUCE SOIL EROSION FROM AREAS STRIPPED OF VEGETATION DURING AND AFTER CONSTRUCTION AND TO PREVENT SILT FROM REACHING THE DRAINAGE STRUCTURES, WETLAND SYSTEMS AND DOWNSTREAM PROPERTIES. AS OUTLINED IN THE CONSTRUCTION SEQUENCING NOTES BELOW AND ON THE SEDIMENT & EROSION CONTROL PLANS, THE SEDIMENT & EROSION CONTROL PLAN IS AN INTEGRAL COMPONENT OF THE CONSTRUCTION PHASING AND SEQUENCING AND WILL BE IMPLEMENTED TO CONTROL SEDIMENT AND RE-ESTABLISH VEGETATION AS SOON AS PRACTICABLE. THE PLAN WILL BE IMPLEMENTED PRIOR TO THE COMMENCEMENT OF ANY EARTHMOVING ACTIVITIES.

THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL DEVICES INCLUDE THE PLANNED EROSION CONTROL PRACTICES OUTLINED BELOW. MAINTENANCE PROCEDURES FOR EACH EROSION CONTROL PRACTICE ARE ALSO PROVIDED HEREIN. THE OWNER OR OPERATOR MUST ENSURE THAT ALL EROSION AND SEDIMENT CONTROL PRACTICES IDENTIFIED HEREIN ARE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES.

STABILIZED CONSTRUCTION ENTRANCE

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE ENTRANCE TO THE GRAVEL LOT TO BE USED AS A STAGING AREA AS INDICATED ON THE PLANS. THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO PREVENT VEHICLES LEAVING THE SITE FROM TRACKING SEDIMENT, MUD OR ANY OTHER CONSTRUCTION-RELATED MATERIALS FROM THE SITE ONTO ADJACENT ROADWAYS.

MAINTENANCE/INSPECTION

THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION ENTRANCE IN A MANNER WHICH PREVENTS OR SIGNIFICANTLY REDUCES THE TRACKING OF SEDIMENT/SOIL ONTO LOCAL ROADS. THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION ENTRANCE DAILY AND AFTER EACH RAIN EVENT FOR DISPLACEMENT OR LOSS OF AGGREGATE. THE CONTRACTOR SHALL TOP-DRESS THE CONSTRUCTION ENTRANCE WHEN DISPLACEMENT/LOSS OF AGGREGATE OCCURS, OR IF THE AGGREGATE BECOMES CLOGGED OR SILTED TO THE EXTENT THAT THE ENTRANCE CAN NO LONGER PERFORM ITS INTENDED FUNCTION. THE CONTRACTOR SHALL INSPECT THE VICINITY OF THE CONSTRUCTION ENTRANCE SEVERAL TIMES A DAY AND IMMEDIATELY REMOVE ANY SEDIMENT DROPPED OR WASHED ONTO ADJACENT DRIVEWAYS.

SILT FENCE

SILT FENCE (GEOTEXTILE FILTER CLOTH) SHALL BE PLACED IN LOCATIONS DEPICTED ON THE APPROVED PLANS. THE PURPOSE OF THE SILT FENCE IS TO REDUCE THE VELOCITY OF SEDIMENT-LADEN STORMWATER FROM SMALL DRAINAGE AREAS AND TO INTERCEPT THE TRANSPORTED SEDIMENT LOAD. IN GENERAL, SILT FENCE SHALL BE USED AT THE PERIMETER OF DISTURBED AREAS, TOE OF SLOPES OR INTERMEDIATELY WITHIN SLOPES WHERE OBVIOUS CHANNEL CONCENTRATION OF STORMWATER IS NOT PRESENT. SILT FENCE SHALL ALWAYS BE INSTALLED PARALLEL TO THE CONTOURS IN ORDER TO PREVENT CONCENTRATED FLOWS FROM DEVELOPING ALONG THE SILT FENCE.

MAINTENANCE/INSPECTION

SILT FENCING SHALL BE INSPECTED AT A MINIMUM OF EVERY SEVEN (7) DAYS. INSPECTIONS SHALL INCLUDE ENSURING THAT THE FENCE MATERIAL IS TIGHTLY SECURED TO THE WOOD POSTS. IN ADDITION, OVERLAPPING FILTER FABRIC SHALL BE SECURE AND THE FABRIC SHALL BE MAINTAINED A MINIMUM OF EIGHT (8) INCHES BELOW GRADE. IN THE EVENT THAT ANY "BULGES" DEVELOP IN THE FENCE, THAT SECTION OF FENCE SHALL BE REPLACED IMMEDIATELY WITH A NEW FENCE SECTION. ANY VISIBLE SEDIMENT BUILD-UP AGAINST THE FENCE SHALL BE REMOVED AND DEPOSITED ON-SITE A MINIMUM OF 100 FEET FROM ANY WETLAND.

INLET PROTECTION

AFTER THE PARKING AREA'S DRAIN INLETS HAVE BEEN INSTALLED AND THE SITE IS COMPLETELY CONSTRUCTED AND STABILIZED, THESE DRAIN INLETS WILL RECEIVE STORMWATER FROM THE PARKING AREA AND OVERLAND WATERSHEDS. DURING CONSTRUCTION, A FILTER FABRIC DROP INLET BARRIER SHALL BE PLACED AROUND EXISTING DRAIN INLETS TO ALLOW STORMWATER TO BE FILTERED PRIOR TO THE STORMWATER BEING DISCHARGED TO THE DRAINAGE SYSTEM. THIS BARRIER WILL ALLOW STORMWATER TO BE FILTERED PRIOR TO REACHING THE INLET GRATE.

MAINTENANCE/INSPECTION

INLET PROTECTION DEVICES SHALL BE INSPECTED AT A MINIMUM OF EVERY SEVEN (7) DAYS. CARE SHALL BE TAKEN TO ENSURE THAT ALL INLET PROTECTION DEVICES ARE PROPERLY LOCATED AND SECURE AND DO NOT BECOME DISPLACED. ANY ACCUMULATED SEDIMENTS SHALL BE REMOVED FROM THE DEVICE AND DEPOSITED NOT LESS THAN 100 FEET FROM A WETLAND.

TREE PROTECTION

ALL SIGNIFICANT TREES TO BE PRESERVED LOCATED WITHIN THE LIMITS OF DISTURBANCE AND ON THE PERIMETER OF THE DISTURBANCE LIMITS SHALL BE PROTECTED FROM HARM BY ERECTING A THREE (3) FEET HIGH (MINIMUM) SNOW FENCE COMPLETELY SURROUNDING THE TREE. SNOW FENCE SHOULD EXTEND TO THE DRIP-LINE OF THE TREE TO BE PRESERVED. TREES DESIGNATED TO BE PROTECTED/SAVED SHALL BE IDENTIFIED DURING THE STAKING OF THE LIMITS OF DISTURBANCE.

MAINTENANCE/INSPECTION

THE SNOW FENCE SHALL REMAIN AT THE DRIP-LINE OF THE TREE TO BE PRESERVED. THE SNOW FENCE SHALL BE INSPECTED AT A MINIMUM OF EVERY SEVEN (7) DAYS. ANY DAMAGED PORTIONS OF THE FENCE SHALL BE REPAIRED OR REPLACED. CARE SHALL ALSO BE TAKEN TO ENSURE THAT NO CONSTRUCTION EQUIPMENT IS DRIVEN OR PARKED WITHIN THE DRIP-LINE OF THE TREE TO BE PRESERVED.

SOIL/MATERIAL STOCKPILING

ALL SOIL/MATERIAL STRIPPED FROM THE CONSTRUCTION AREA DURING GRUBBING AND GRADING SHALL BE STOCKPILED IN LOCATIONS ILLUSTRATED ON THE APPROVED PLANS, OR IN PRACTICAL LOCATIONS ON-SITE.

MAINTENANCE/INSPECTION

ALL STOCKPILES SHALL BE INSPECTED (FOR SIGNS OF EROSION OR PROBLEMS WITH SEED ESTABLISHMENT) AT A MINIMUM OF ONCE EVERY SEVEN (7) DAYS. SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY VEGETATING THE STOCKPILE WITH A RAPIDLY-GERMINATING GRASS SEED AND SURROUNDED WITH EITHER SILT FENCE OR STAKED WEED-FREE HAYBALES. IN THE NON-GROWING SEASON, THE STOCKPILES SHALL BE PROTECTED BY A TARPAULIN COVERING THE ENTIRE STOCKPILE.

SURFACE STABILIZATION

ALL DISTURBED AREAS WILL BE PROTECTED FROM EROSION WITH THE USE OF VEGETATIVE MEASURES (E.G., GRASS SEED MIX, SOD, (SEE SPECIFICATIONS)) HYDROMULCH, WEED-FREE HAY OR CURLEX EXCELSIOR EROSION CONTROL BLANKETS.

EROSION CONTROL BARRIERS CONSISTING OF SILT FENCING SHALL BE PLACED AROUND EXPOSED AREAS DURING CONSTRUCTION. ANY AREAS STRIPPED OF VEGETATION DURING CONSTRUCTION WILL BE VEGETATED AND/OR MULCHED TO PREVENT EROSION OF THE EXPOSED SOILS. IN SITE AREAS WHERE SIGNIFICANT EROSION POTENTIAL EXISTS (STEEP SLOPES/SLOPES EXCEEDING 2:1) AND/OR WHERE SPECIFICALLY DIRECTED, CURLEX EXCELSIOR EROSION CONTROL BLANKETS (MANUFACTURED BY AMERICAN EXCELSIOR OR APPROVED EQUAL) SHALL BE INSTALLED. MULCH IS ALSO USED ALONE FOR TEMPORARY STABILIZATION IN NON-GROWING MONTHS.

MATERIALS THAT MAY BE USED FOR MULCHING INCLUDE WEED-FREE STRAW/ HAY/SALT HAY, WOOD FIBER, SYNTHETIC SOIL STABILIZERS, MULCH NETTING, EROSION CONTROL BLANKETS OR SOD. A PERMANENT VEGETATIVE COVER WILL BE ESTABLISHED UPON COMPLETION OF CONSTRUCTION OF THOSE AREAS WHICH HAVE BEEN BROUGHT TO FINISH GRADE AND TO REMAIN UNDISTURBED.

GENERAL LAND GRADING

THE APPLICANT/DEVELOPER OR THEIR REPRESENTATIVES SHALL BE ON-SITE AT ALL TIMES WHEN CONSTRUCTION OR GRADING ACTIVITY TAKES PLACE AND SHALL INSPECT AND DOCUMENT THE EFFECTIVENESS OF ALL SEDIMENT AND EROSION CONTROL PRACTICES.

THE INTENT OF THE EROSION CONTROLS IS TO CONTROL ALL DISTURBED AREAS, SUCH THAT SOILS ARE PROTECTED FROM EROSION BY TEMPORARY METHODS AND, ULTIMATELY BY PERMANENT VEGETATION. ALL CUT AND FILL SLOPES SHALL BE KEPT TO A MAXIMUM SLOPE OF 2:1. IN THE EVENT THAT A SLOPE MUST EXCEED A 2:1 SLOPE, IT SHALL BE STABILIZED WITH STONE RIP-RAP OR OTHER APPROVED METHOD. ON FILL SLOPES, ALL MATERIAL WILL BE PLACED IN LAYERS NOT TO EXCEED 9 INCHES IN DEPTH AND ADEQUATELY COMPACTED. WHERE PRACTICABLE, DIVERSION SWALES SHALL BE CONSTRUCTED ON THE TOP OF ALL FILL EMBANKMENTS TO DIVERT ANY OVERLAND FLOWS AWAY FROM THE FILL SLOPE.

DUST CONTROL

WHERE VEGETATIVE OR MULCH COVER IS NOT PRACTICABLE IN DISTURBED AREAS OF THE SITE, DUST SHALL BE CONTROLLED BY THE USE OF WATER SPRINKLING. THE SURFACE SHALL BE SPRAYED UNTIL WET. DUST CONTROL SHALL CONTINUE UNTIL SUCH TIME AS THE ENTIRE SITE IS ADEQUATELY STABILIZED WITH PERMANENT VEGETATIVE COVER.

POLLUTION PREVENTION MEASURES FOR CONSTRUCTION RELATED ACTIVITIES

POLLUTION PREVENTION PRACTICES FOR PREVENTING LITTER, CONSTRUCTION CHEMICALS (IF APPLICABLE) AND CONSTRUCTION DEBRIS FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGE INCLUDES DAILY PICKUP OF CONSTRUCTION DEBRIS, INSPECTION, DESIGNATED STORAGE AREAS, CONCRETE TRUCK WASH-OUT AREAS AND PHYSICAL CONTROLS SUCH AS SILT FENCING AND INLET PROTECTION. INSPECTIONS WILL ALSO BE CONDUCTED TO ENSURE THAT DUST CONTROL MEASURES ARE UTILIZED AS NECESSARY. DURING CONSTRUCTION, MAINTENANCE, CONSTRUCTION AND WASTE MATERIALS WILL BE STORED WITHIN SUITABLE AREAS/DUMPSTERS, AS APPROPRIATE, TO MINIMIZE THE EXPOSURE OF THE MATERIALS TO STORMWATER AND SPILL PREVENTION. ALL MAINTENANCE AND CONSTRUCTION WASTE WILL BE DISPOSED OF IN A SAFE MANNER IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

EROSION CONTROL INSPECTION SEQUENCING:

OUTLINED BELOW IS A BRIEF LISTING OF THE CONSTRUCTION SEQUENCING FOR THE PROJECT.

PRIOR TO ANY SITE ACTIVITY, THE OWNER, CONTRACTOR, OWNER'S ENGINEER, AND TOWN ENGINEER REPRESENTATIVE SHALL HOLD A PRE-CONSTRUCTION MEETING.

THE APPLICANT SHALL NOTIFY THE TOWN OF POUND RIDGE ENFORCEMENT OFFICIAL AT LEAST 48 HOURS BEFORE ANY OF THE FOLLOWING MILESTONES AS REQUIRED BY THE STORMWATER MANAGEMENT OFFICER:

- START OF CONSTRUCTION
- INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES
- COMPLETION OF SITE CLEARING
- COMPLETION OF ROUGH GRADING
- COMPLETION OF FINAL GRADING
- CLOSE OF THE CONSTRUCTION SEASON
- COMPLETION OF FINAL LANDSCAPING
- SUCCESSFUL ESTABLISHMENT OF LANDSCAPING IN PUBLIC AREAS

THE OWNER/CONTRACTOR IS REQUIRED TO SUBMIT AS-BUILT PLANS FOR ANY STORMWATER MANAGEMENT PRACTICES LOCATED ON SITE AFTER FINAL CONSTRUCTION IS COMPLETED. THE PLAN MUST SHOW THE FINAL DESIGN SPECIFICATIONS FOR ALL STORMWATER MANAGEMENT FACILITIES AND MUST BE CERTIFIED BY A NEW YORK STATE LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.

SEQUENCE OF CONSTRUCTION

1. SECURE ALL PERMITS AND APPROVALS.
2. CONDUCT A PRECONSTRUCTION MEETING
3. MOBILIZE AND INSTALL CONSTRUCTION/SECURITY FENCING
4. INSTALL EROSION CONTROLS
5. REMOVE TREES
6. COMMENCE DEMOLITION OF SITE FEATURES IDENTIFIED TO BE REMOVED
7. COMMENCE GRUBBING AND GRADING
8. ROUGH GRADE NEW DRIVEWAY
9. INSTALL ELECTRICAL SERVICE AND TEMPORARY EMERGENCY GENERATOR
10. EXCAVATE FOR BUILDING ADDITIONS AND POUR FOOTINGS / FOUNDATIONS
11. CONSTRUCT ADDITIONS
12. CONSTRUCT RETAINING WALLS
13. INSTALL DRAINAGE FACILITIES
14. INSTALL AND PREPARE SUBBASE FOR APRONS AND DRIVEWAY
15. INSTALL UTILITY PADS AND FUEL PUMP
16. INSTALL CURBING AND SIDEWALKS
17. CONSTRUCT TRAINING PAD
18. INSTALL GUIDERAIL
19. PAVING AND STRIPING
20. LANDSCAPING AND WETLAND MITIGATION

NOTES AND LEGEND

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE
WESTCHESTER COUNTY, NEW YORK

KSCJ CONSULTING
KELLARD SESSIONS CERMELE JOHANNESSEN

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2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
1.	REVISION 1 - 03/18/2024
REVISIONS	

G-100

PROJECT I.D.:
PRPOUNDRIDGEFIRE500

DATE:
FEBRUARY 2, 2024

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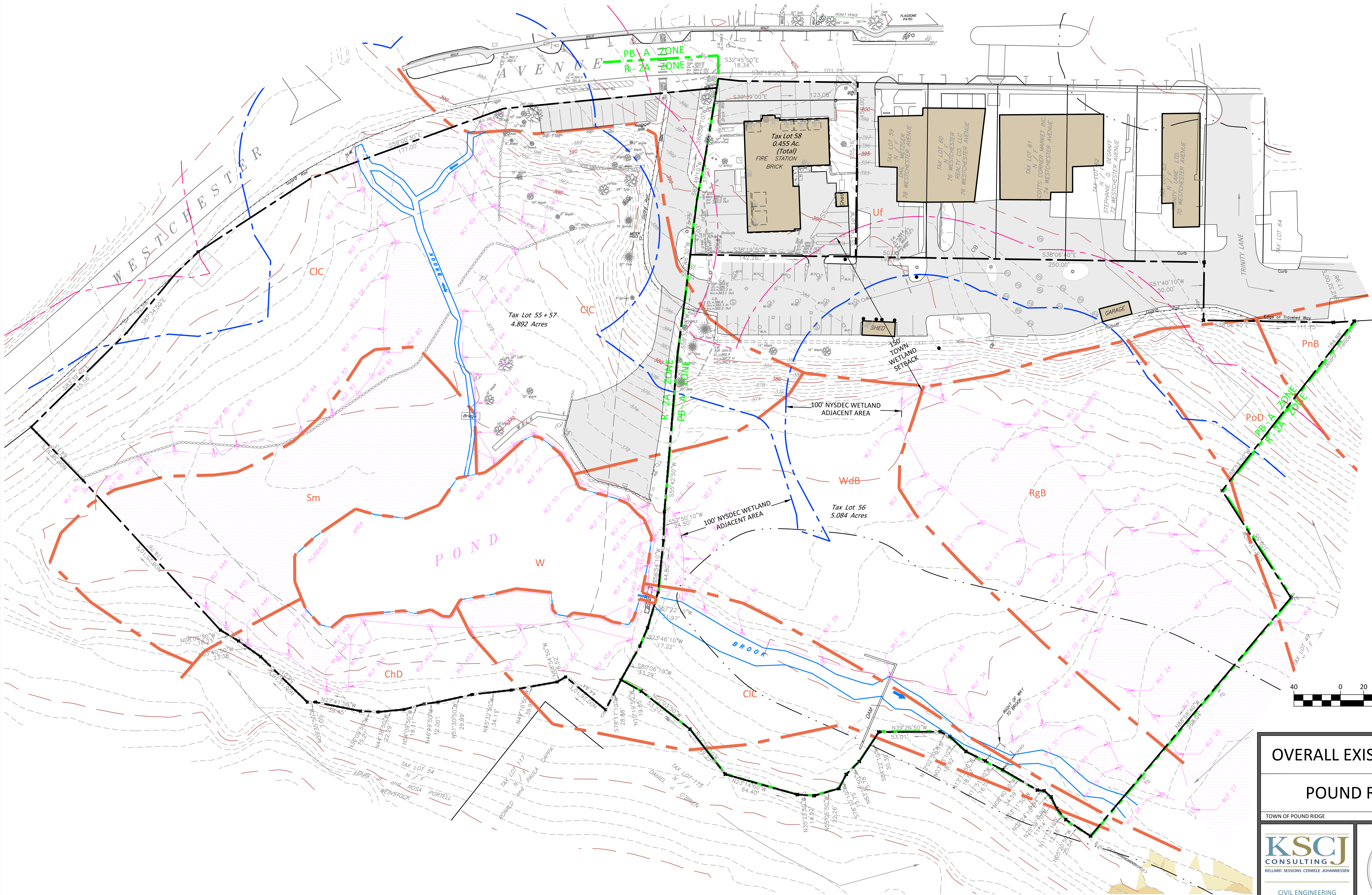

40 0 20 40 80 160

SCALE: 1" = 40'

FEET

OVERALL EXISTING CONDITIONS PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE

WESTCHESTER COUNTY, NEW YORK

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2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
1.	REVISION 1 - 03/18/2024
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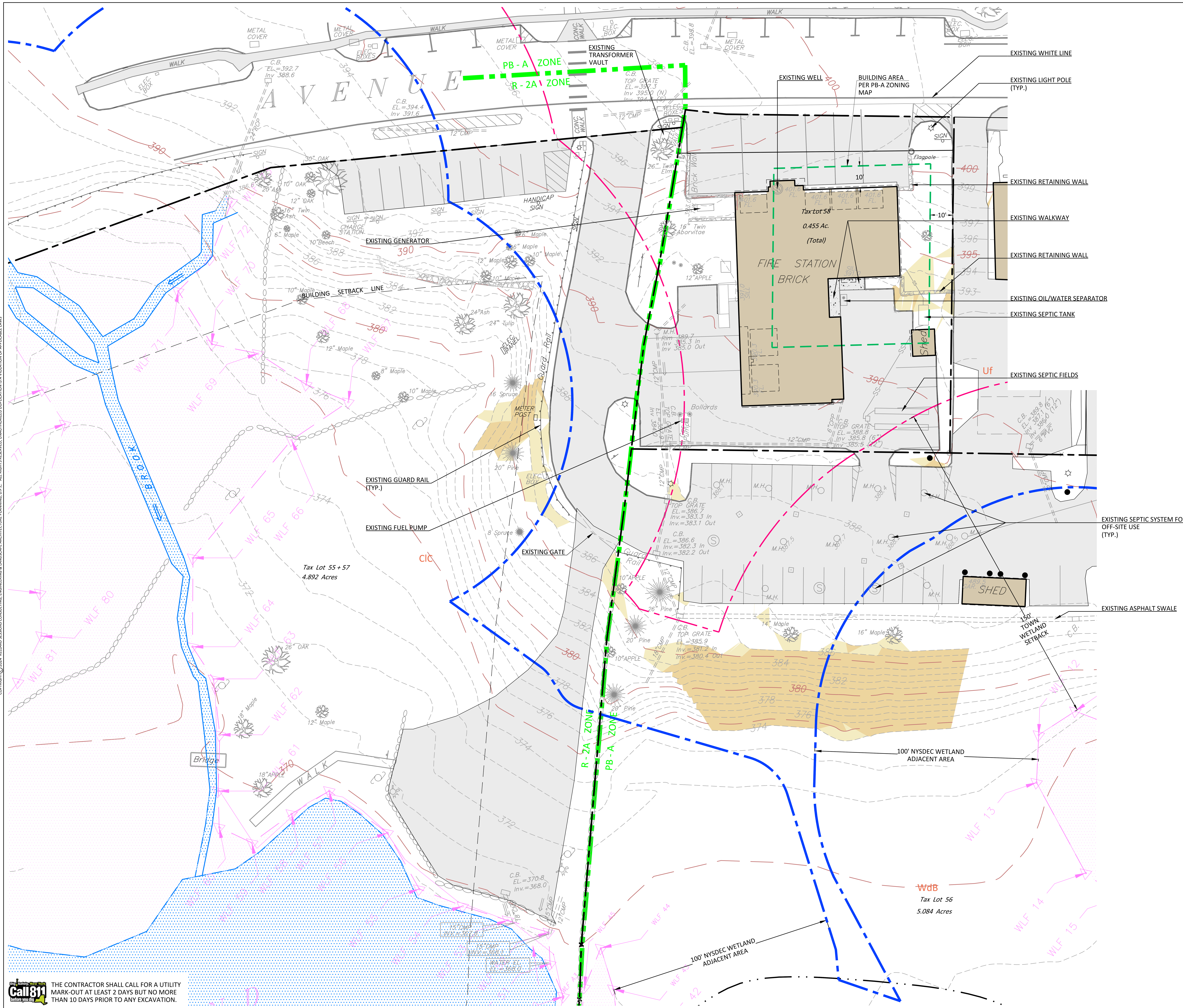
C-100

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

Jun 05, 2024 - 11:35am G:\PRPOUNDRIDGEFIRE500\CAD Dwgs\PRPOUNDRIDGEFIRE500 - CDs.dwg - ssicignano

THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.


EXISTING TRANSFORMER VAULT
PB - A ZONE
R - 2A ZONE
EXISTING WELL
BUILDING AREA PER PB-A ZONING MAP
EXISTING WHITE LINE
EXISTING LIGHT POLE (TYP.)
EXISTING RETAINING WALL
EXISTING WALKWAY
EXISTING RETAINING WALL
EXISTING OIL/WATER SEPARATOR
EXISTING SEPTIC TANK
EXISTING SEPTIC FIELDS
EXISTING GENERATOR
BUILDING SETBACK LINE
Tax Lot 58
0.455 Ac.
(Total)
FIRE STATION
BRICK
EXISTING GUARD RAIL (TYP.)
EXISTING FUEL PUMP
EXISTING GATE
EXISTING SEPTIC SYSTEM FOR OFF-SITE USE (TYP.)
EXISTING ASPHALT SWALE
150' TOWN WETLAND SETBACK
SHED
Tax Lot 55 + 57
4.892 Acres
100' NYSDEC WETLAND ADJACENT AREA
Tax Lot 56
5.084 Acres
100' NYSDEC WETLAND ADJACENT AREA
AVENUE
BROOK
Bridge
WALK

THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

20 0 10 20 40 80
SCALE: 1" = 20' FEET

EXISTING CONDITIONS PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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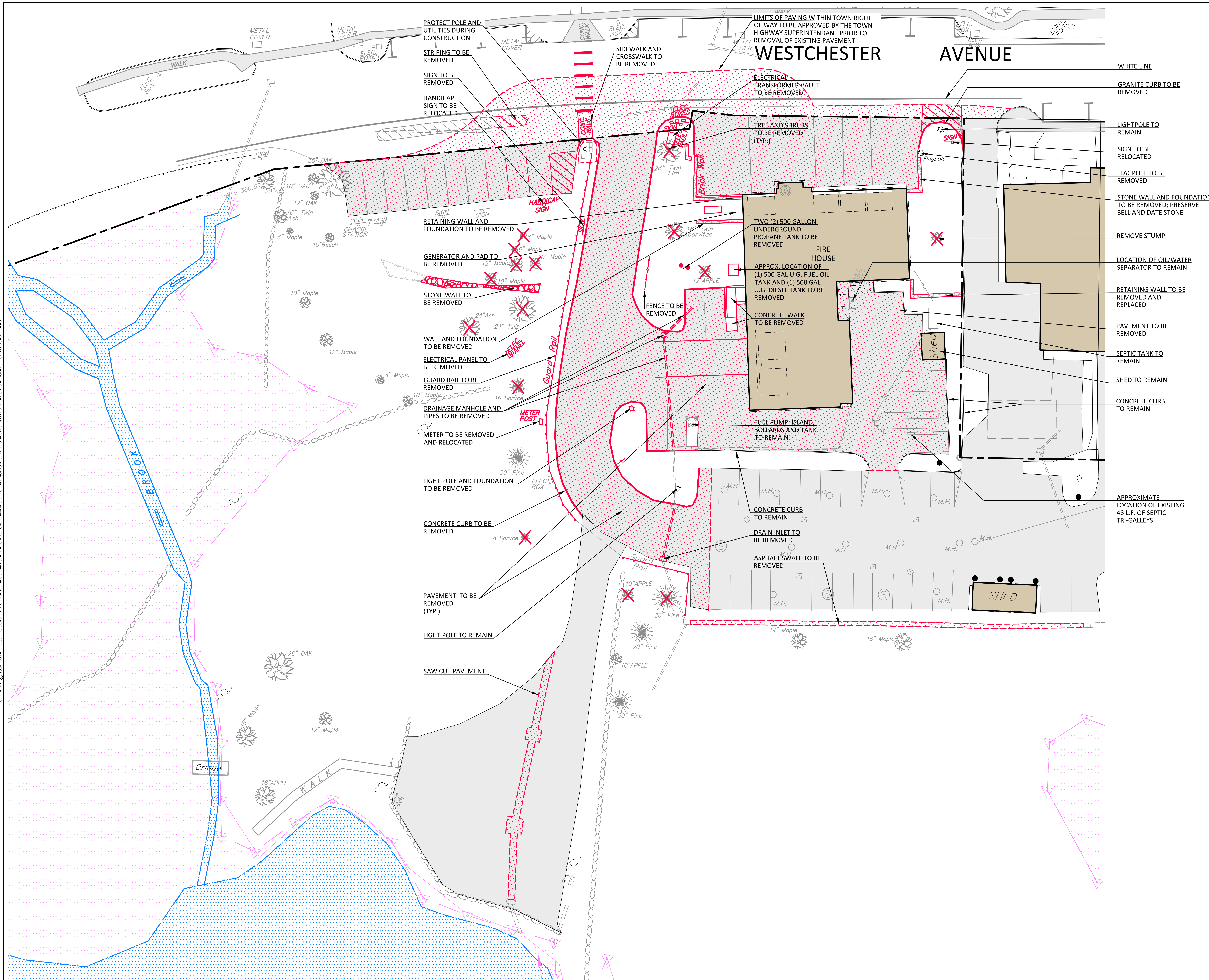
C-101

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024



THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

NOTE:
1. INTERNAL PROPERTY LINES TO BE ELIMINATED ARE NOT SHOWN FOR CLARITY PURPOSES.
2. REGULATORY WETLAND BUFFERS NOT SHOWN FOR CLARITY PURPOSES; SEE EXISTING CONDITIONS PLAN FOR WETLAND BUFFER SETBACKS.

20 0 10 20 40 80
SCALE: 1" = 20' FEET

DEMOLITION PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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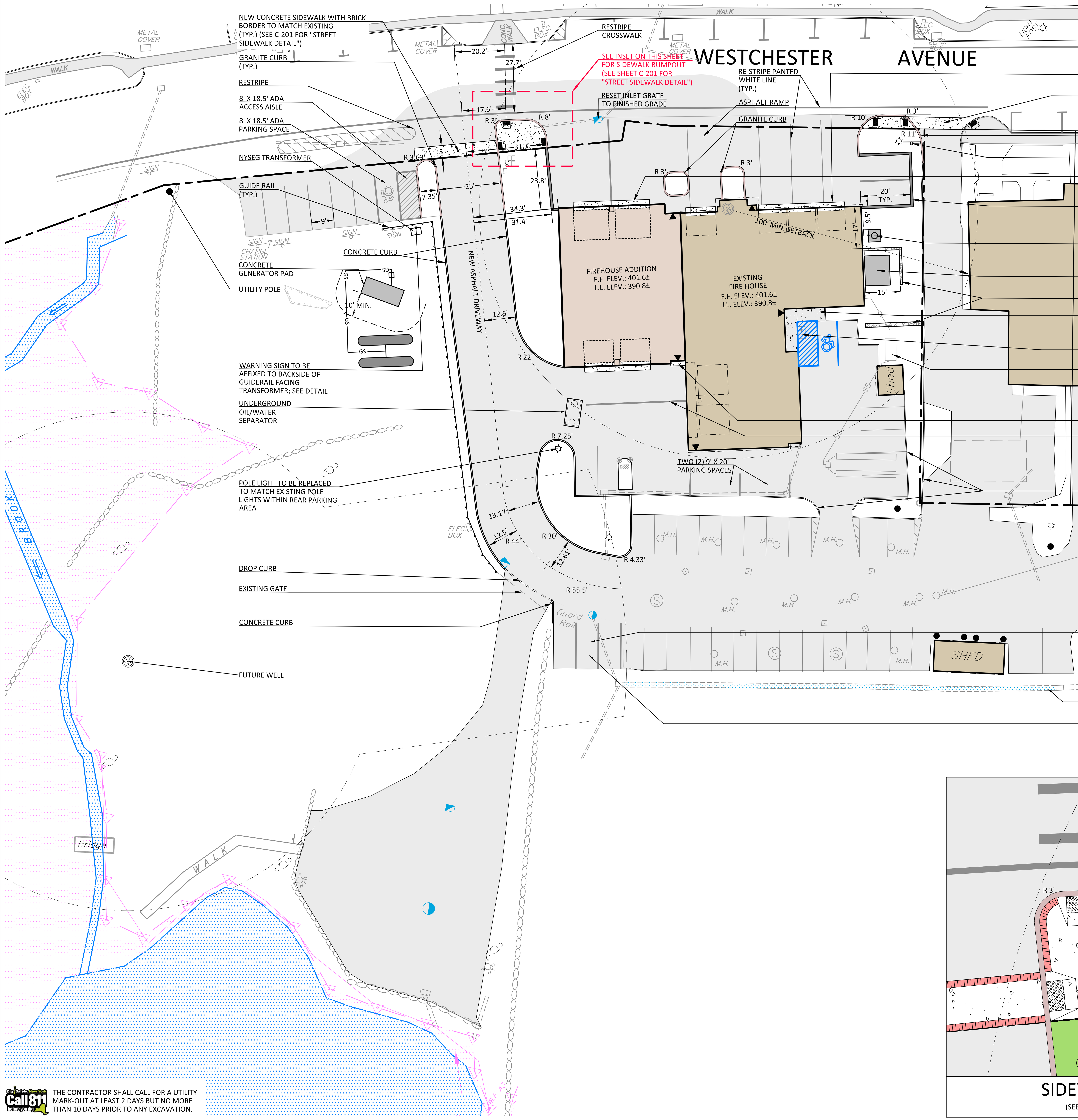
C-102

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024



NOTE:
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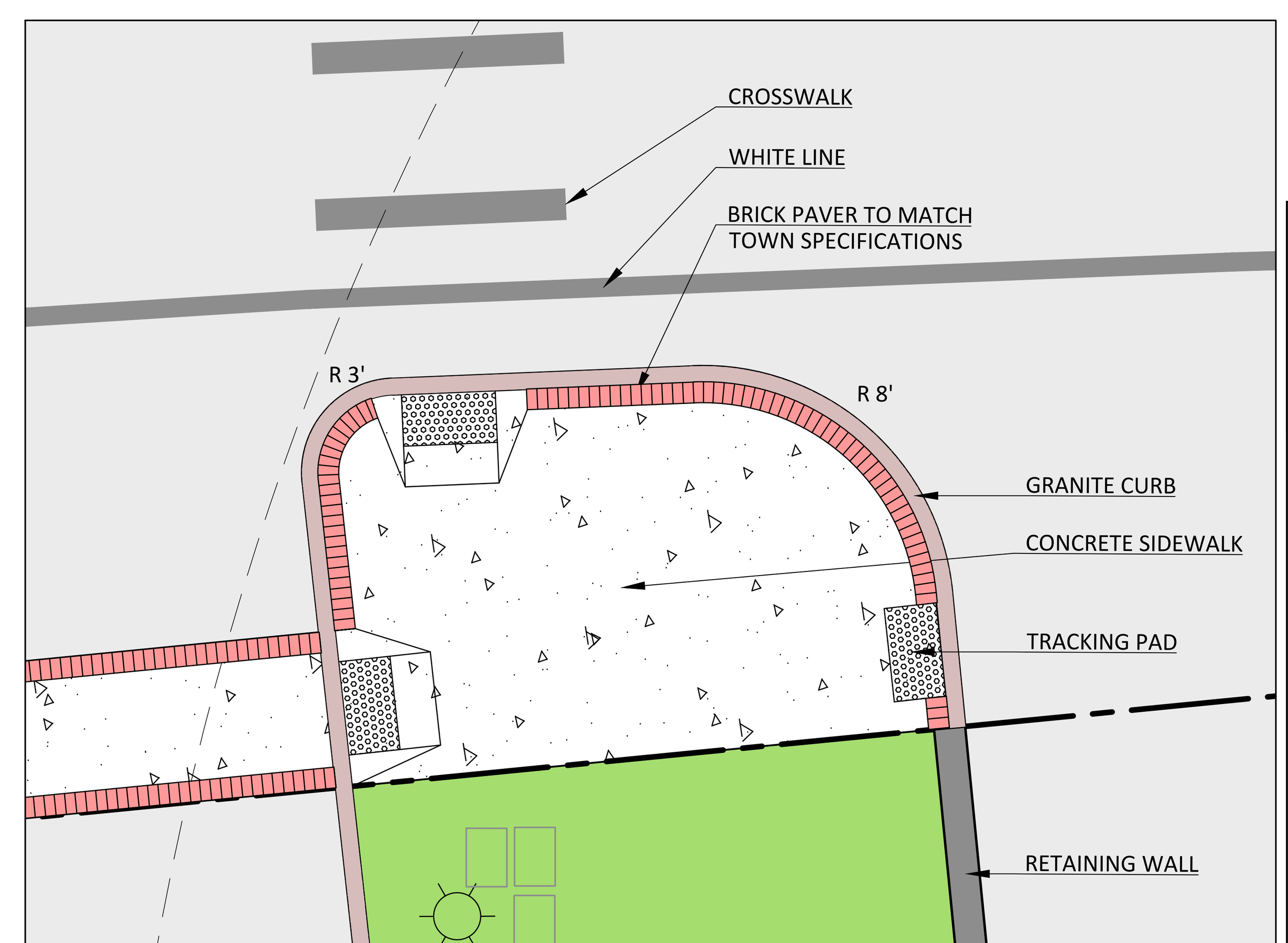
2. REGULATORY WETLAND BUFFERS NOT SHOWN FOR CLARITY PURPOSES; SEE EXISTING CONDITIONS PLAN FOR WETLAND BUFFER SETBACKS.

SCALE: 1" = 20'



SIDEWALK BUMPOUT (1"=5')

(SEE "STREET SIDEWALK DETAIL" ON SHEET C-201)

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SITE LAYOUT PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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	REVISIONS

C-103

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

WESTCHESTER AVENUE

FINAL GRADES WITHIN THE TOWN RIGHT-OF-WAY TO BE APPROVED BY THE HIGHWAY SUPERINTENDENT PRIOR TO PAVING

HIGH POINT
STA. 0+15.24
ELEV. 396.43

RESET GRATE

NYSEG TRANSFORMER

CONCRETE GENERATOR PAD

UTILITY POLE

3"Ø MIN. 3 FT COVER FOR UNDERGROUND GAS

(2) 1,500 GAL BURIED PROPANE TANKS. MIN. 50 FT FROM BUILDING AND PROPERTY LINE. MIN. 5 FT BETWEEN TANKS.

WARNING SIGN TO BE AFFIXED TO BACKSIDE OF GUIDERAIL FACING TRANSFORMER; SEE DETAIL

FIREHOUSE ADDITION
F.F. ELEV.: 401.6±
L.L. ELEV.: 390.8±

EXISTING FIRE HOUSE
F.F. ELEV.: 401.6±
LL. ELEV.: 390.8±

4" PVC @ 1% (MIN.)

DOWNSPOUT (TYP.)

4" PVC (FROM FLOOR DRAINS)

4" PVC PIPE @ 1% (MIN.)

STONE OUTLET PROTECTION

6" PVC PIPE
79 LF @ 3.8%

PROP. OIL/WATER SEPARATOR
TOP OF TANK: 388.24
INV. IN: 386.66
INV. OUT: 386.41
BOT. OF TANK: 382.57

MEET EXISTING GRADE
STA. 1+78.87
ELEV. 387.47

PROP. CB #2
RIM: 387.0±
INV. IN & OUT: 384.0

12" HDPE PIPE
99 LF @ 12.1%

FUTURE WELL

PROP. CB #1
RIM: 375.0±
INV. IN & OUT: 372.0

12" HDPE PIPE
38 LF @ 8.9%

VEGETATED SWALE

12" HDPE PIPE
22 LF @ 3.7%

PROP. DMH #1
RIM: 386.6±
INV IN: 382.3
INV OUT: 382.2

PROP. WATER QUALITY TREATMENT STRUCTURE
RIM: 372.0±
INV. IN: 368.65
INV. OUT: 368.65

12" HDPE PIPE
30 LF @ 2%

EX. CB
MATCH EXISTING
INV. OUT

C.B.
TOP GRATE
EL.=370.8
INV IN & OUT: 368.0

RELOCATED SIGN

TW: 404.6
RET.: 401.6
BW: 399.1

250 GAL. A.G. PROPANE TANK ON 5' X 5' CONCRETE UTILITY PAD (EL. 397.5)

12'X10' CONCRETE UTILITY PAD

SEGMENTED BLOCK RETAINING WALL

CONCRETE SIDEWALK SET FLUSH TO ASPHALT

TOP OF TANK ±12" BELOW SURFACE GRADE; ASSUMED INVERT IN IS ±18" BELOW GRADE

CONCRETE PAD (SEE ARCHITECTURAL DRAWINGS)

EXISTING CURB TO REMAIN

C.B.
EL.=389.8
INV 387.1 (6")
INV 386.0 (12")

C.B.
TOP GRATE
EL.=388.8
INV 385.8 (6")
INV 385.5 (12")

C.B.
TOP GRATE
EL.=387.9
INV 384.0

C.B.
TOP GRATE
EL.=386.7
INV 383.3 IN
INV 383.1 OUT

C.B.
TOP GRATE
EL.=385.9
INV 381.2 IN
INV 380.4 OUT

NOTE:
1. INTERNAL PROPERTY LINES TO BE ELIMINATED ARE NOT SHOWN FOR CLARITY PURPOSES.
2. REGULATORY WETLAND BUFFERS NOT SHOWN FOR CLARITY PURPOSES; SEE EXISTING CONDITIONS PLAN FOR WETLAND BUFFER SETBACKS.
3. A CERTIFICATION FROM A GEOLOGICAL ENGINEER OR OTHER QUALIFIED PROFESSIONAL AS TO THE SOURCE, CONTENT AND SUITABILITY OF ANY MATERIAL TO BE IMPORTED OR USED FOR FILL SHALL BE PROVIDED TO THE BUILDING DEPARTMENT PRIOR TO IMPORTATION.

20 0 10 20 40 80
FEET
SCALE: 1" = 20'

THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

GRADING, DRAINAGE & UTILITY PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

KSCJ CONSULTING
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2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
1.	REVISION 1 - 03/18/2024
	REVISIONS

C-104

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

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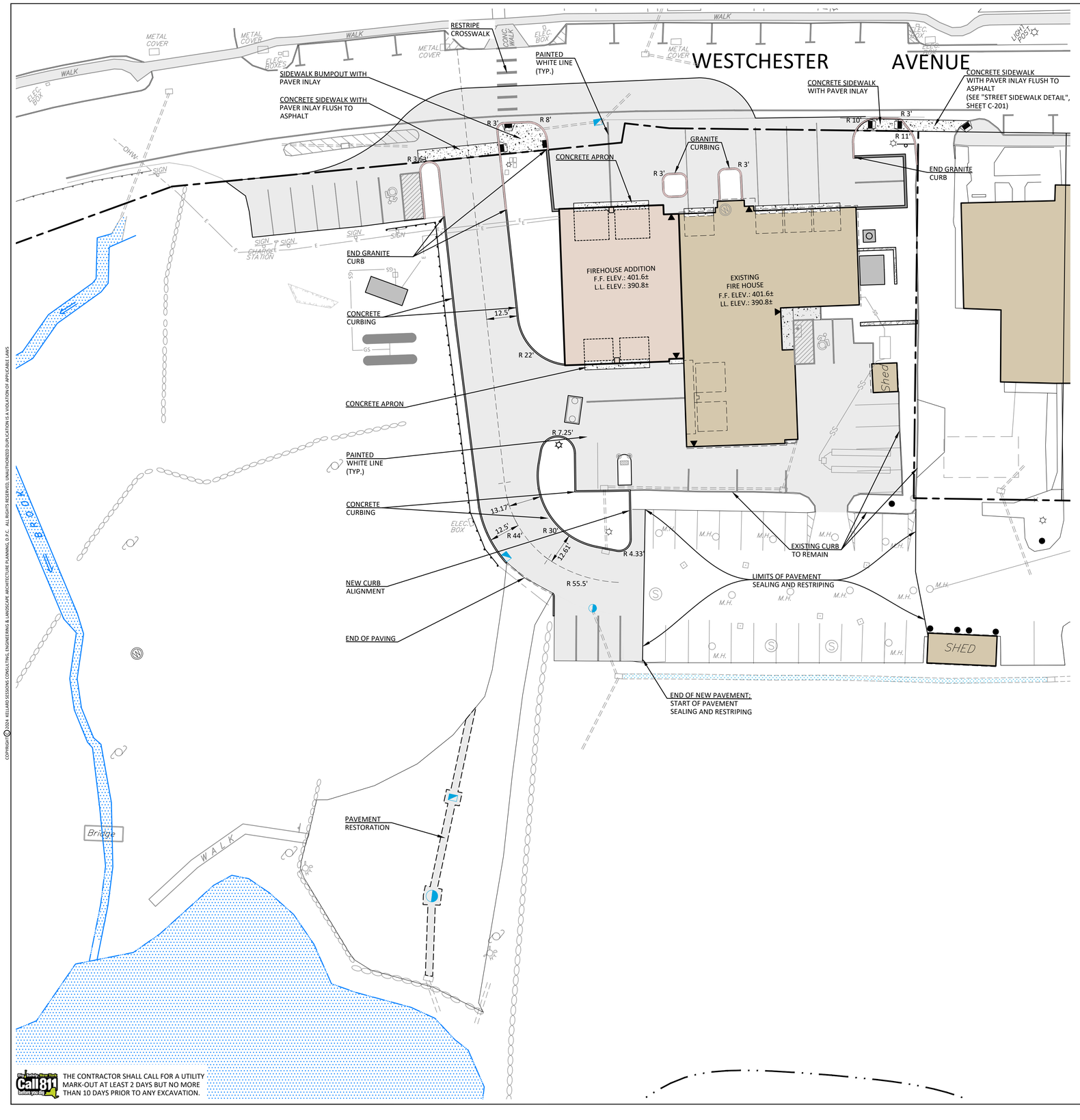

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SCALE: 1" = 20'

FEET

PAVEMENT AND CURBING PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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1.	REVISION 1 - 03/18/2024
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C-105

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

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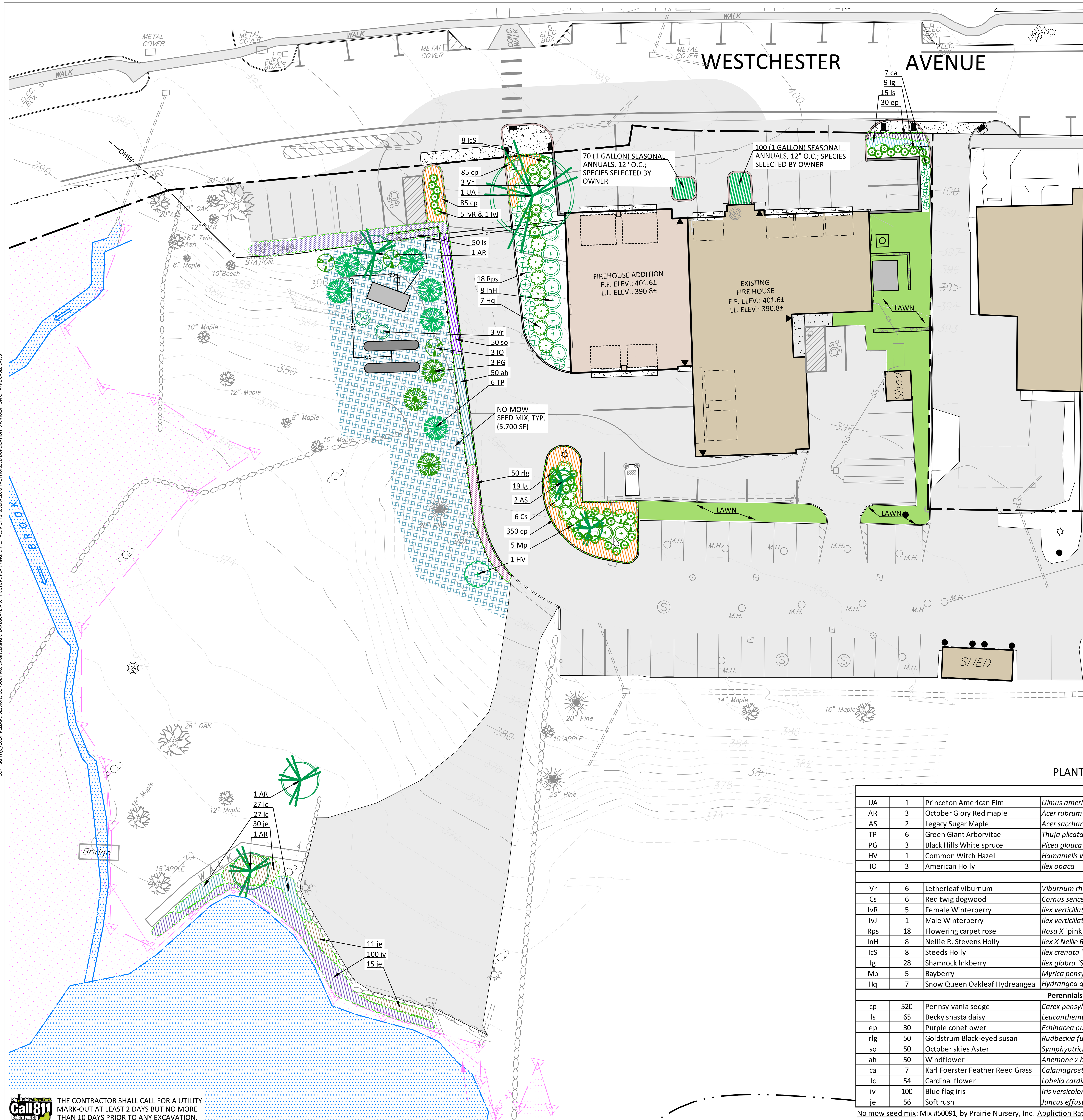

LEGEND

- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- PROPOSED SHRUB
- PROPOSED LAWN
- PROPOSED NO-MOW MIX
- PROPOSED PERENNIALS/ GROUNDCOVERS

NOTE:
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2. REGULATORY WETLAND BUFFERS NOT SHOWN FOR CLARITY PURPOSES; SEE EXISTING CONDITIONS PLAN FOR WETLAND BUFFER SETBACKS.

SCALE: 1" = 20' (0 10 20 40 80 FEET)

PLANTING SCHEDULE

Trees						
UA	1	Princeton American Elm	*Ulmus americana* 'Princeton'	8" cal. min.	As Shown	B&B
AR	3	October Glory Red maple	*Acer rubrum* 'October Glory'	3" - 3.5" cal.	As Shown	B&B
AS	2	Legacy Sugar Maple	*Acer saccharum* 'legacy'	3" - 3.5" cal.	As Shown	B&B
TP	6	Green Giant Arborvitae	*Thuja plicata x standishii* 'Green Giant'	6' - 7' ht.	As Shown	B&B
PG	3	Black Hills White spruce	*Picea glauca* 'Densata'	7' - 8' ht.	As Shown	B&B
HV	1	Common Witch Hazel	*Hamamelis virginiana*	7' - 8' ht.	As Shown	B&B
IO	3	American Holly	*Ilex opaca*	5' - 6' ht.	As Shown	B&B
Shrubs						
Vr	6	Letherleaf viburnum	*Viburnum rhytidophyllum*	# 5	As Shown	CONTAINER
Cs	6	Red twig dogwood	*Cornus sericea*	# 3	As Shown	CONTAINER
IvR	5	Female Winterberry	*Ilex verticillata* 'Red Sprite'	# 3	As Shown	CONTAINER
IvJ	1	Male Winterberry	*Ilex verticillata* 'Jim Dandy'	# 3	As Shown	CONTAINER
Rps	18	Flowering carpet rose	*Rosa X* 'pink supreme'	# 3	As Shown	CONTAINER
InH	8	Nellie R. Stevens Holly	*Ilex X Nellie R. Stevens*	5'-6' ht.	As Shown	B&B
IcS	8	Steeds Holly	*Ilex crenata* 'Steeds'	3'-4' ht.	As Shown	CONTAINER
Ig	28	Shamrock Inkberry	*Ilex glabra* 'Shamrock'	# 3	As Shown	CONTAINER
Mp	5	Bayberry	*Myrica pensylvanica*	# 3	As Shown	CONTAINER
Hq	7	Snow Queen Oakleaf Hydreangea	*Hydrangea quercifolia* 'Snow Queen'	# 5	As Shown	CONTAINER
Perennials, Grasses & Groundcovers						
cp	520	Pennsylvania sedge	*Carex pensylvanica*	# 1	15" O.C.	CONTAINER
ls	65	Becky shasta daisy	*Leucanthemum x superbum* 'Becky'	# 1	30" O.C.	CONTAINER
ep	30	Purple coneflower	*Echinacea purpurea* 'PowWow Wild Berry'	# 1	18" O.C.	CONTAINER
rlg	50	Goldstrum Black-eyed susan	*Rudbeckia fulgida var. sullivantii* 'Goldstrum'	# 1	24" O.C.	CONTAINER
so	50	October skies Aster	*Symphyotrichum oblongifolium* 'October Ski	# 1	24" O.C.	CONTAINER
ah	50	Windflower	*Anemone x hybrida* 'Honorine Jobert'	# 1	24" O.C.	CONTAINER
ca	7	Karl Foerster Feather Reed Grass	*Calamagrostis acutiflora*	# 1	As Shown	CONTAINER
lc	54	Cardinal flower	*Lobelia cardinalis*	# 1	24" O.C.	CONTAINER
iv	100	Blue flag iris	*Iris versicolor*	# 1	30" O.C.	CONTAINER
je	56	Soft rush	*Juncus effusus*	# 1	30" O.C.	CONTAINER

No mow seed mix: Mix #50091, by Prairie Nursery, Inc. Appliction Rate: 5lbs/1,000 s.f.

Lawn: "Turf Saver ® RTF ®" - by Barenbrug USA. Application Rate: 9lbs/1,000 s.f.

Call811 — THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

LANDSCAPE PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
1.	REVISION 1 - 03/18/2024
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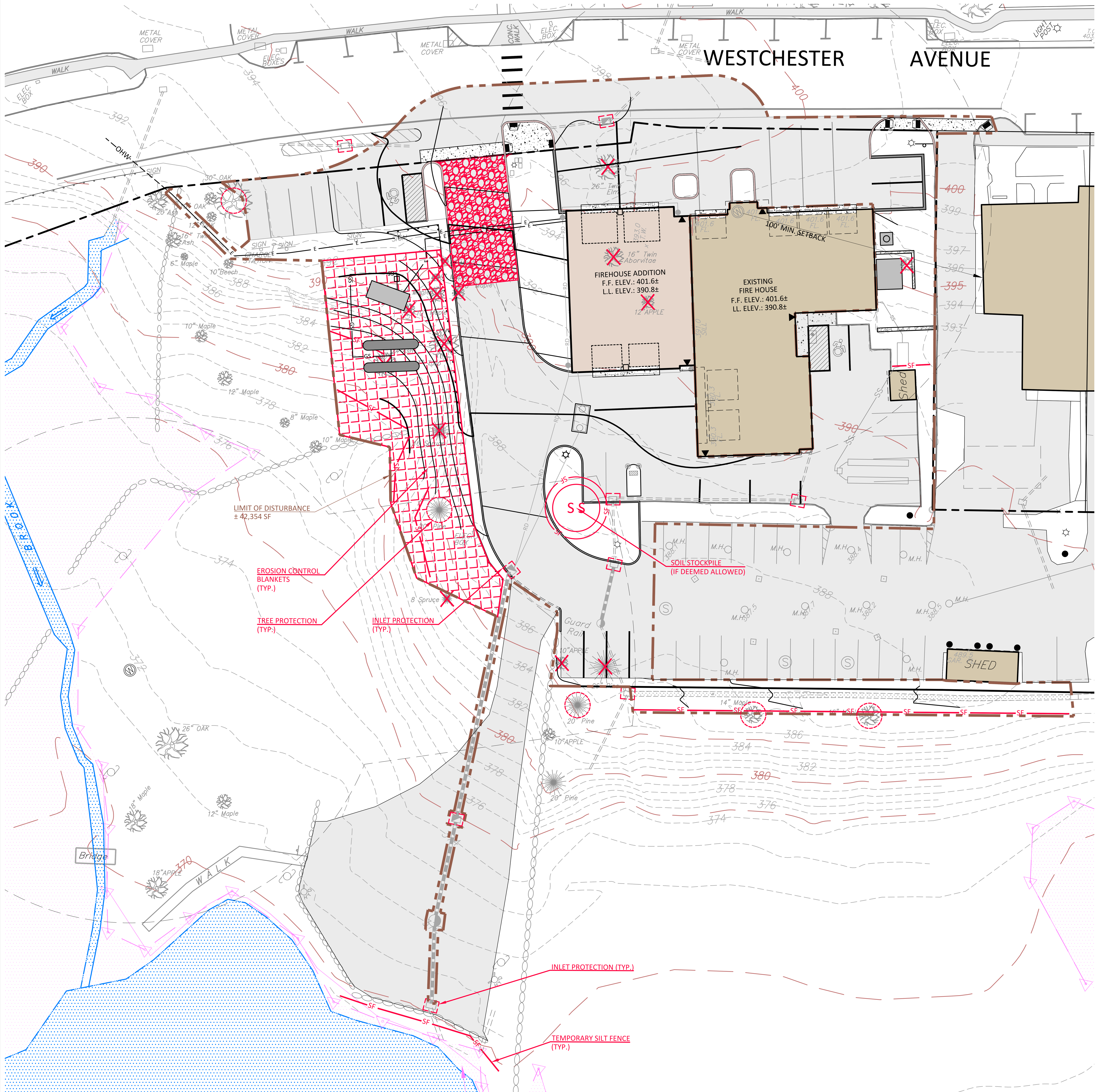
PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

Jun 05, 2024 - 11:36am G:\PRPOUNDRIDGEFIRE500\CAD Dwgs\PRPOUNDRIDGEFIRE500 - CDs.dwg - ssicignano



THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

NOTE:

1. INTERNAL PROPERTY LINES TO BE ELIMINATED ARE NOT SHOWN FOR CLARITY PURPOSES.
2. REGULATORY WETLAND BUFFERS NOT SHOWN FOR CLARITY PURPOSES; SEE EXISTING CONDITIONS PLAN FOR WETLAND BUFFER SETBACKS.
3. SOIL STOCKPILE LOCATIONS SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE AS APPROVED BY THE DESIGN ENGINEER; SEE DETAIL ON SHEET C-204.
4. SOIL STOCKPILE LOCATIONS AND/OR OTHER MATERIAL STORAGE SHALL NOT BLOCK ACCESS TO THE FIREHOUSE, INCLUDING EXISTING APPARATUS BAYS; 24-7 ACCESS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT UNLESS AUTHORIZED BY OWNER.
5. CONCRETE WASHOUT SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE AS APPROVED BY THE DESIGN ENGINEER; SEE DETAIL ON SHEET C-204.
6. CONTRACTOR TO TAKE ALL MEASURES NECESSARY TO PREVENT SEDIMENT OR OTHER MATERIALS FROM BEING TRACKED ONTO THE PUBLIC ROAD. IN THE EVENT THAT DIRT IS TRACKED ONTO THE ROAD, THE CONTRACTOR SHALL CLEAN IMMEDIATELY.

20 0 10 20 40 80 FEET

SCALE: 1" = 20'

EROSION & SEDIMENT CONTROL PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

KSCJ CONSULTING
KELLARD SESSIONS CERMELE JOHANNESSEN

CIVIL ENGINEERING
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SITE & ENVIRONMENTAL PLANNING

500 MAIN STREET
ARMONK, N.Y. 10504

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2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
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PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

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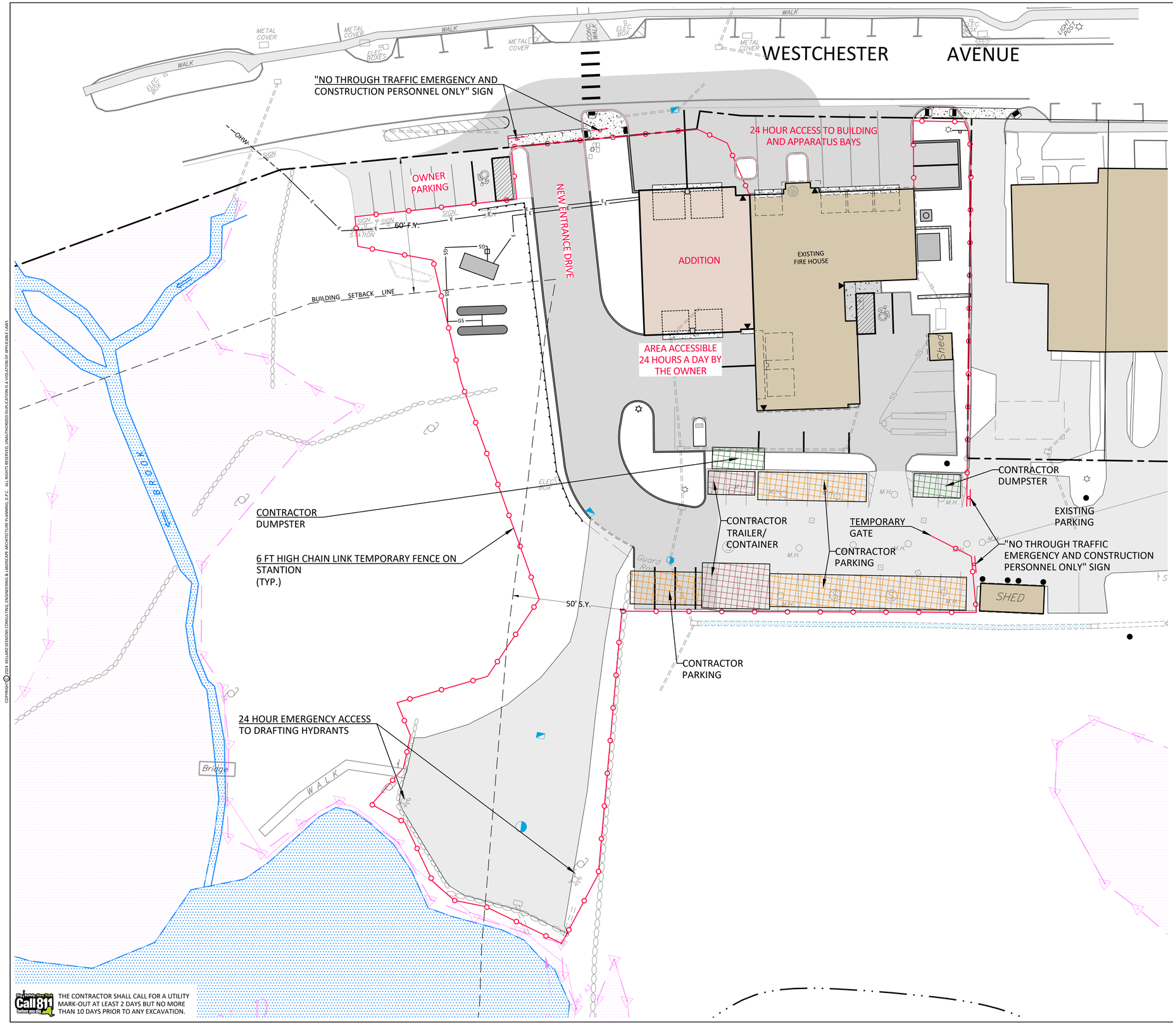

NOTE:
1. INTERNAL PROPERTY LINES TO BE ELIMINATED ARE NOT SHOWN FOR CLARITY PURPOSES.
2. REGULATORY WETLAND BUFFERS NOT SHOWN FOR CLARITY PURPOSES; SEE EXISTING CONDITIONS PLAN FOR WETLAND BUFFER SETBACKS.
3. CONTRACTOR TEMPORARY OFFICE TRAILER SHALL B E LIMITED TO ONE (1) UNIT.

20 0 10 20 40 80
SCALE: 1" = 20' FEET

STAGING PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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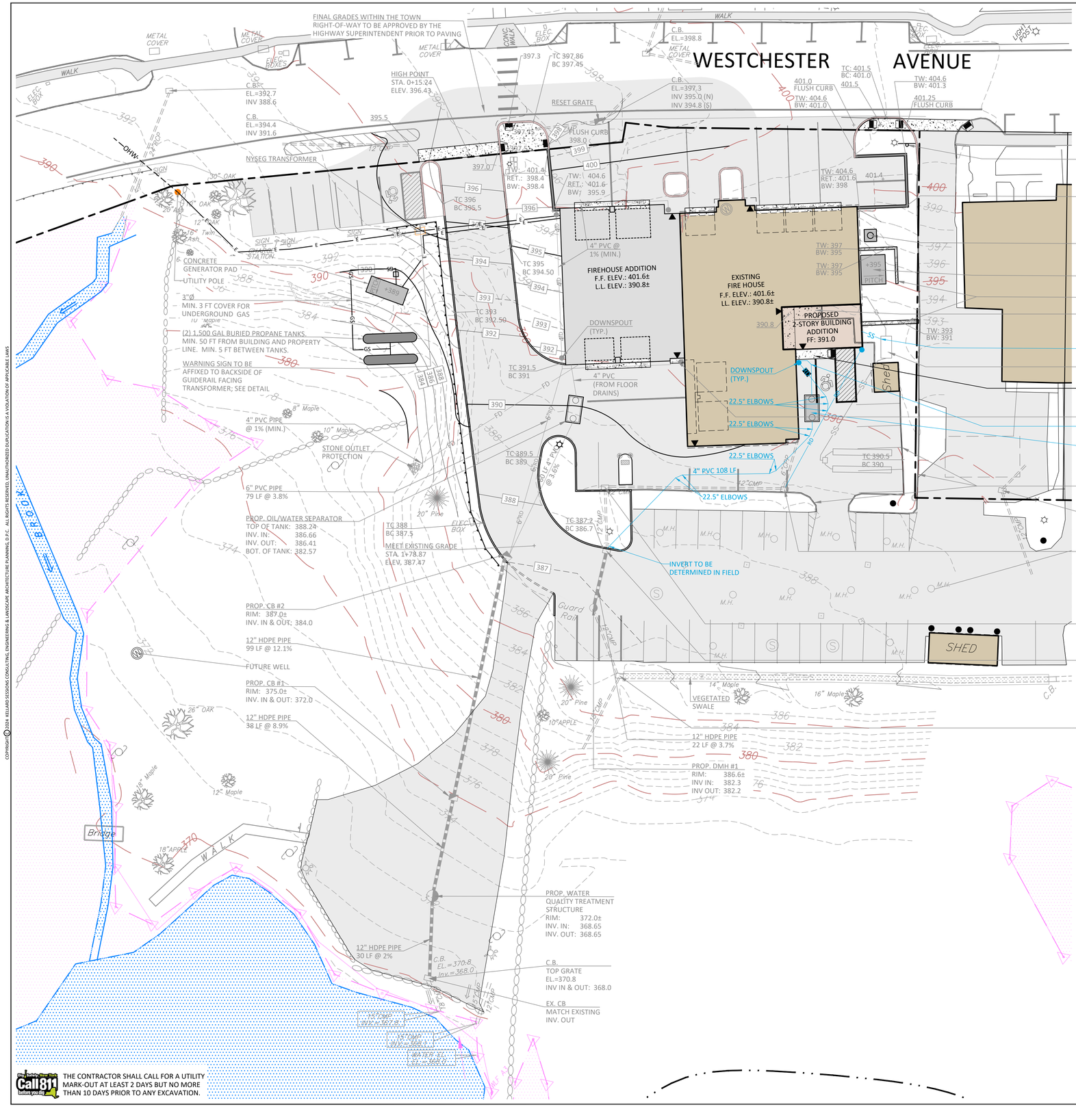
3.		PROJECT I.D.: PRPOUNDRIDGEFIRE500
2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS	DATE: FEBRUARY 2, 2024
1.	REVISION 1 - 03/18/2024	
	REVISIONS	

Call 811 before you dig
THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

Jun 06, 2024 - 11:38am G:\PRPOUNDRIDGEFIRE500\CAD Dwg\PRPOUNDRIDGEFIRE500 - C0.dwg - kmcginnis



NOTE:
1. INTERNAL PROPERTY LINES TO BE ELIMINATED ARE NOT SHOWN FOR CLARITY PURPOSES.
2. REGULATORY WETLAND BUFFERS NOT SHOWN FOR CLARITY PURPOSES; SEE EXISTING CONDITIONS PLAN FOR WETLAND BUFFER SETBACKS.
3. A CERTIFICATION FROM A GEOLOGICAL ENGINEER OR OTHER QUALIFIED PROFESSIONAL AS TO THE SOURCE, CONTENT AND SUITABILITY OF ANY MATERIAL TO BE IMPORTED OR USED FOR FILL SHALL BE PROVIDED TO THE BUILDING DEPARTMENT PRIOR TO IMPORTATION.

20 0 10 20 40 80
SCALE: 1" = 20' FEET

ALTERNATIVE PLAN

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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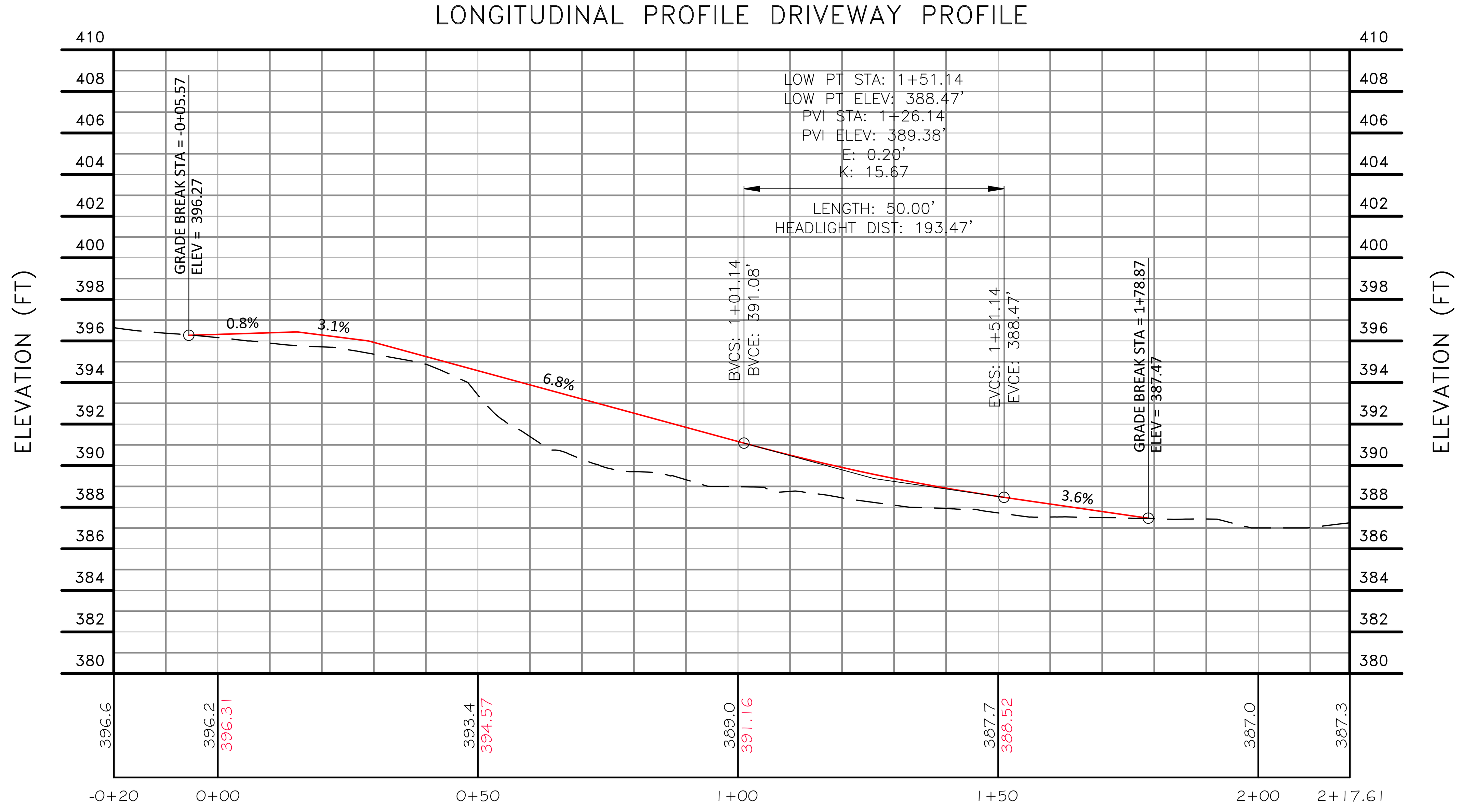
PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

Jan 05, 2024 - 11:38am G:\PROJ\POUNDRIDGEFIRE500\CAD\Dwgs\POUNDRIDGEFIRE500 - CD.dwg - bmcgrane

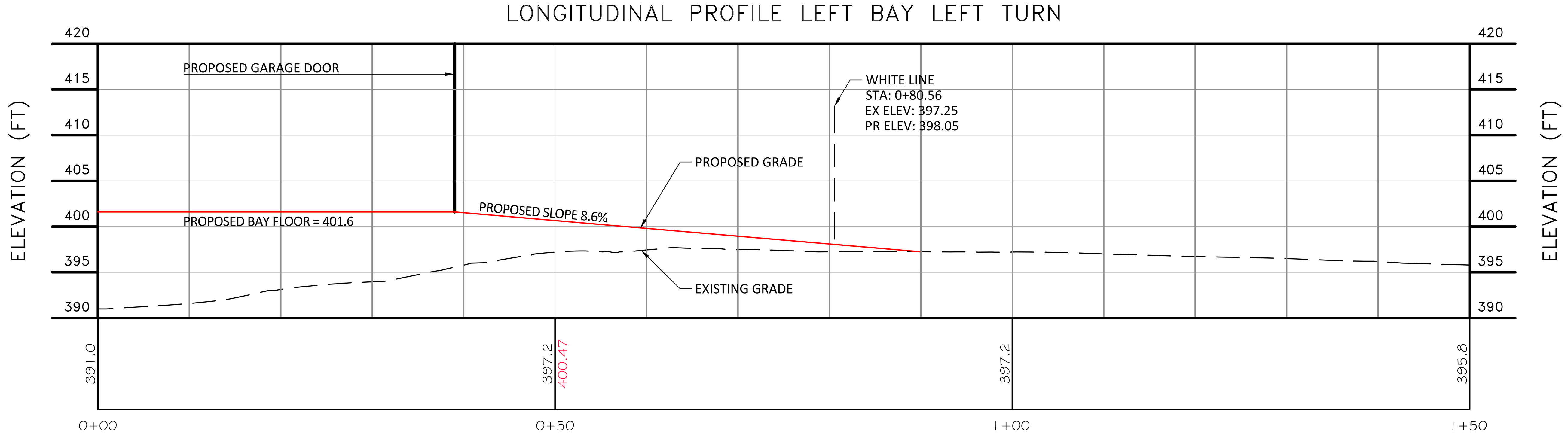
THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

LONGITUDINAL PROFILE DRIVEWAY PROFILE

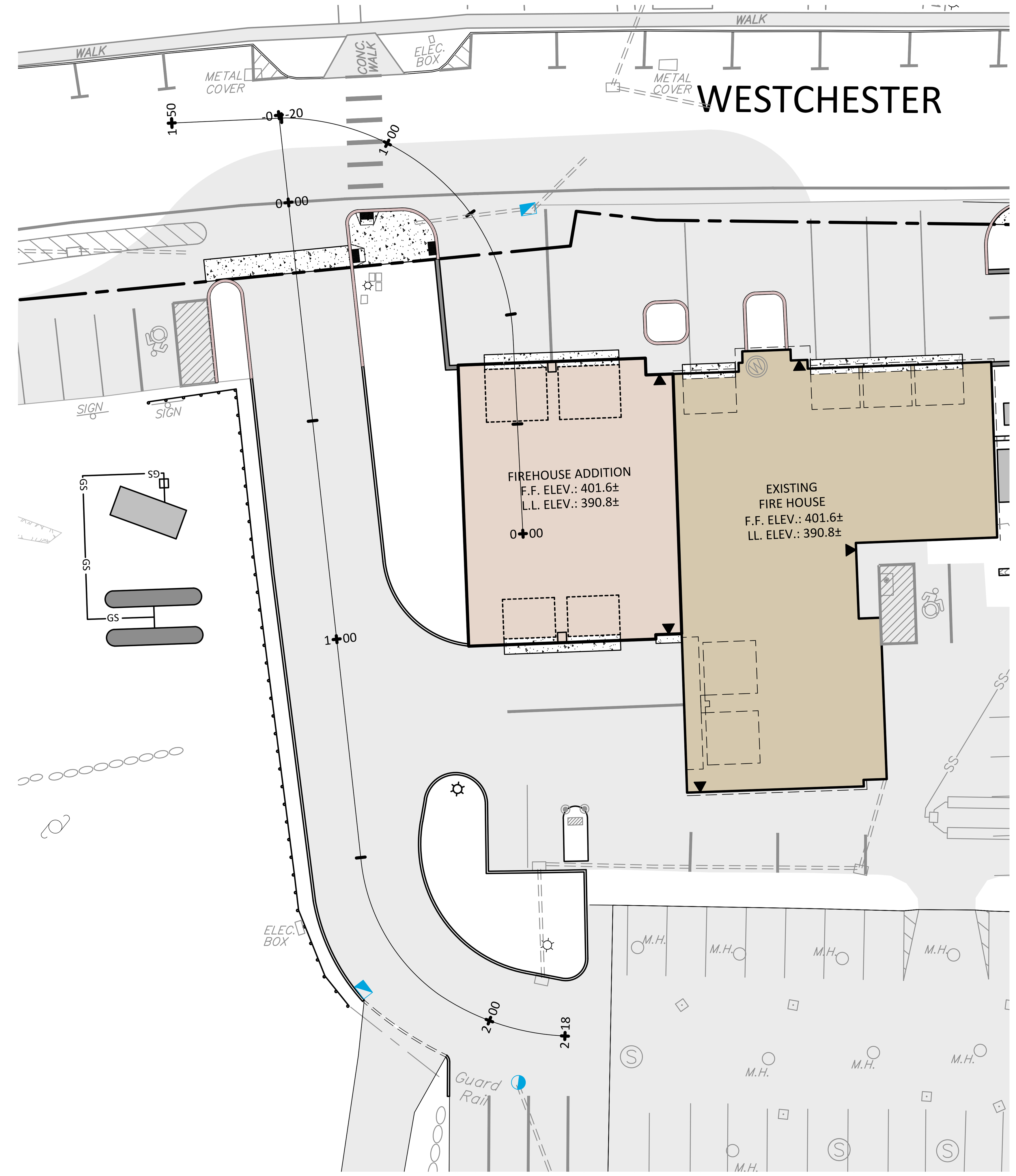


PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=5'

LONGITUDINAL PROFILE LEFT BAY LEFT TURN



PROFILE SCALE:
HORIZ: 1"=10'
VERT: 1"=10'



DRIVEWAY ENTRANCE TO LOWER PARKING LOT PLAN
SCALE: 1" = 20'

THE CONTRACTOR SHALL CALL FOR A UTILITY MARK-OUT AT LEAST 2 DAYS BUT NO MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION.

DRIVEWAY PROFILE

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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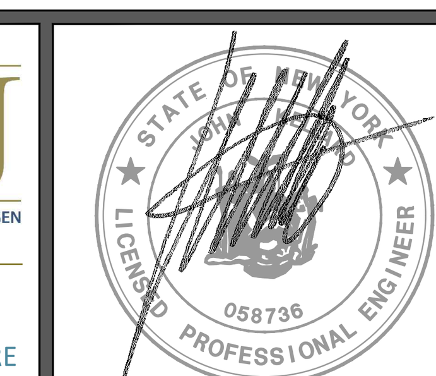

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	REVISIONS

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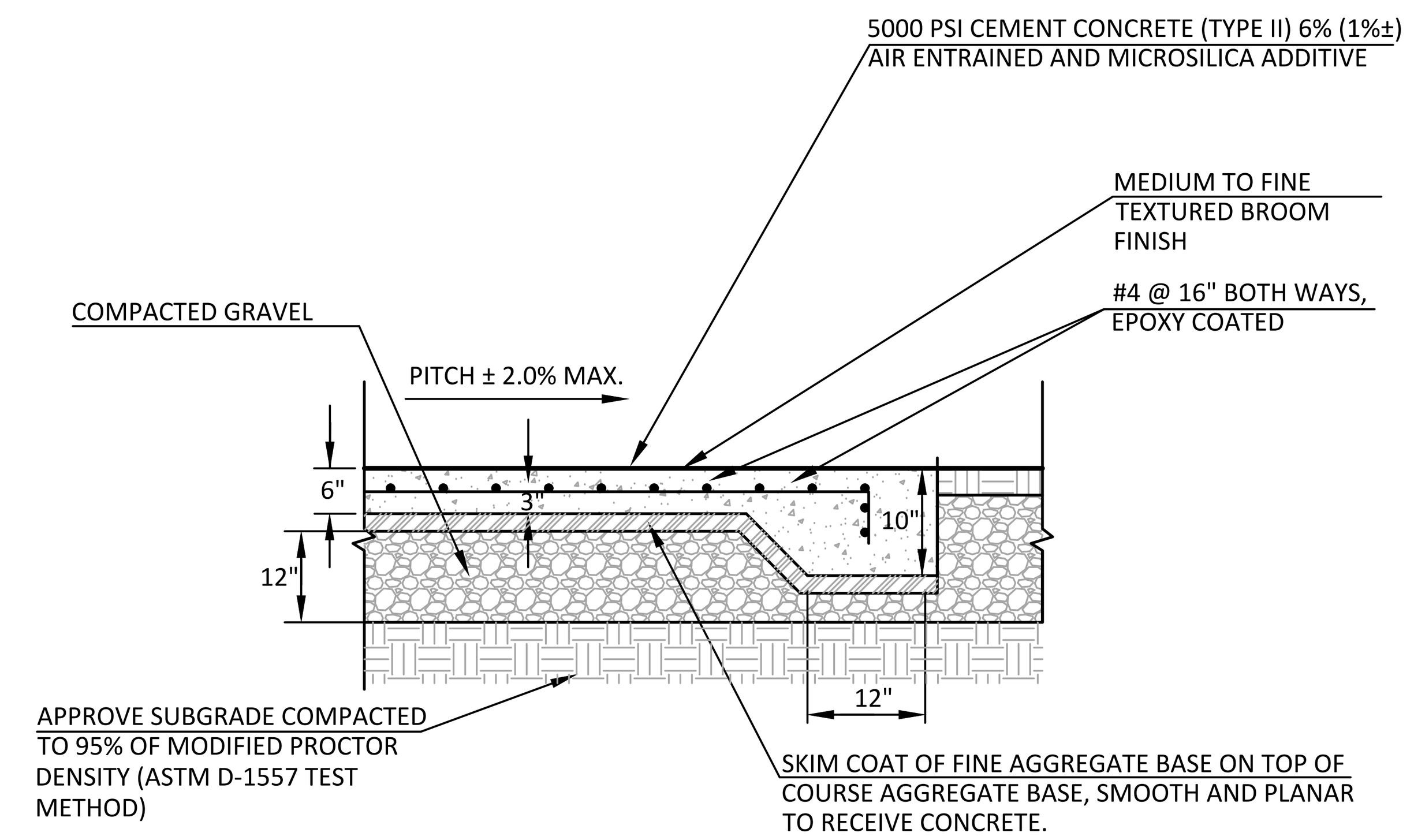
PROJECT I.D.:
PRPOUNDRIDGEFIRE500
DATE:
FEBRUARY 2, 2024

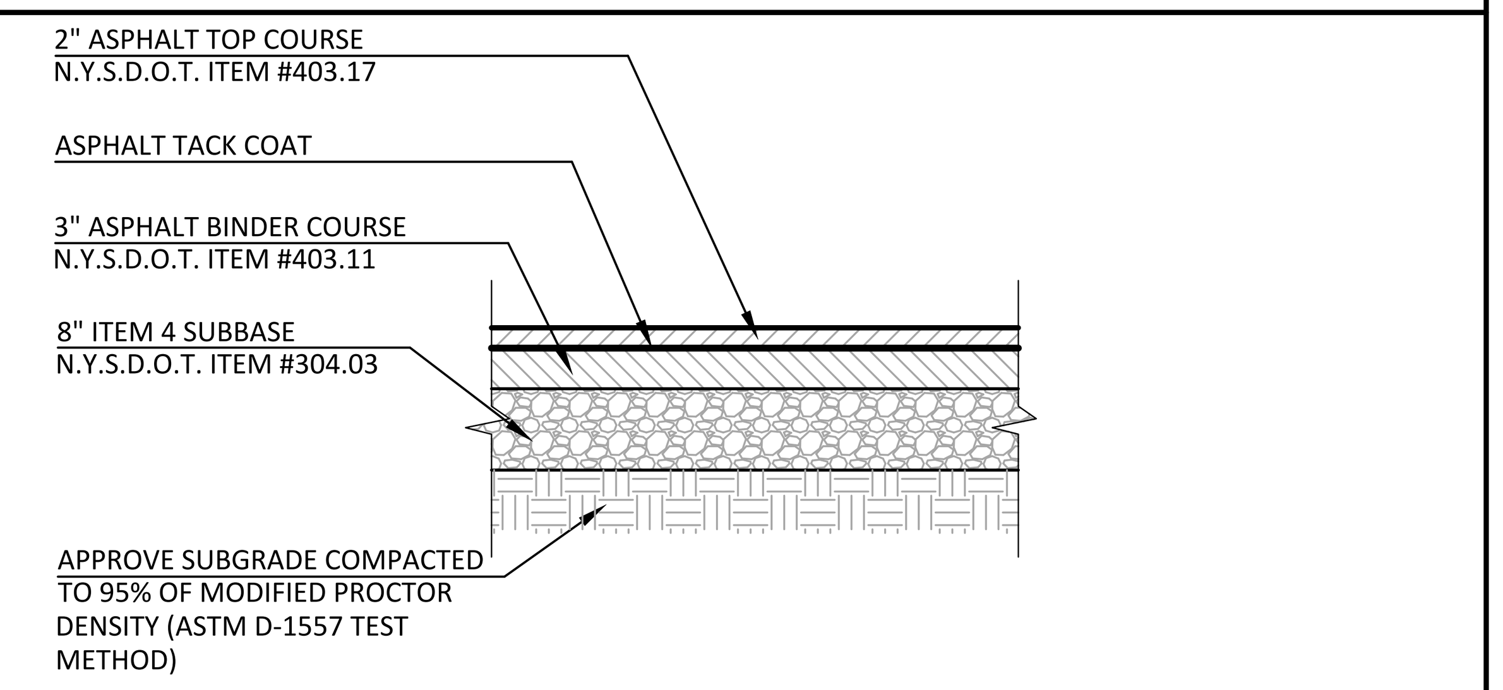
GENERATOR/UTILITY PAD DETAIL (N.T.S.)



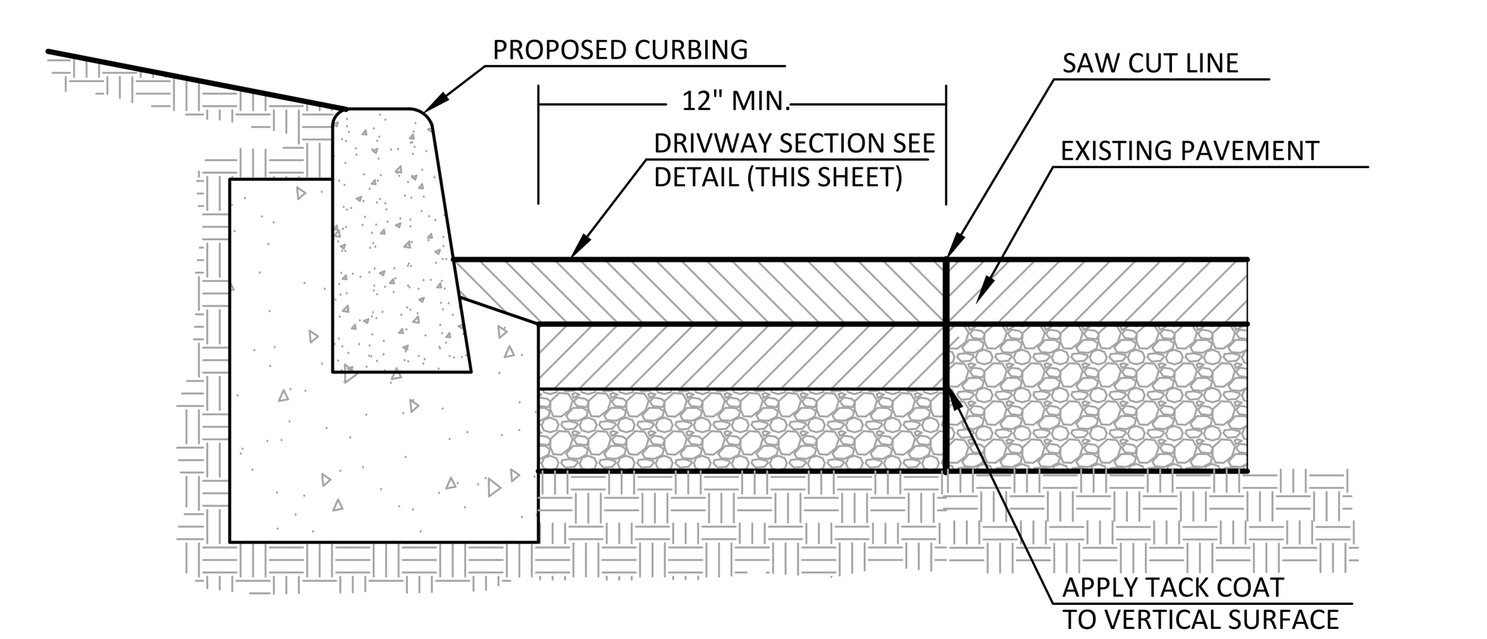
NOTES:

1. SIZE OF PAD TO BE AS INDICATED ON PLANS.
2. CONSTRUCTION JOINTS SHALL BE SPACED NO MORE THAN 50 FEET ON CENTER AND SHALL BE EQUALLY SPACED OVER THE LENGTH AND WIDTH OF THE PAD.
3. THE CONTRACTOR IS TO COORDINATE WITH TRADES FOR SERVICE LINES INTO THE PAD.
4. ANCHOR BOLTS TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

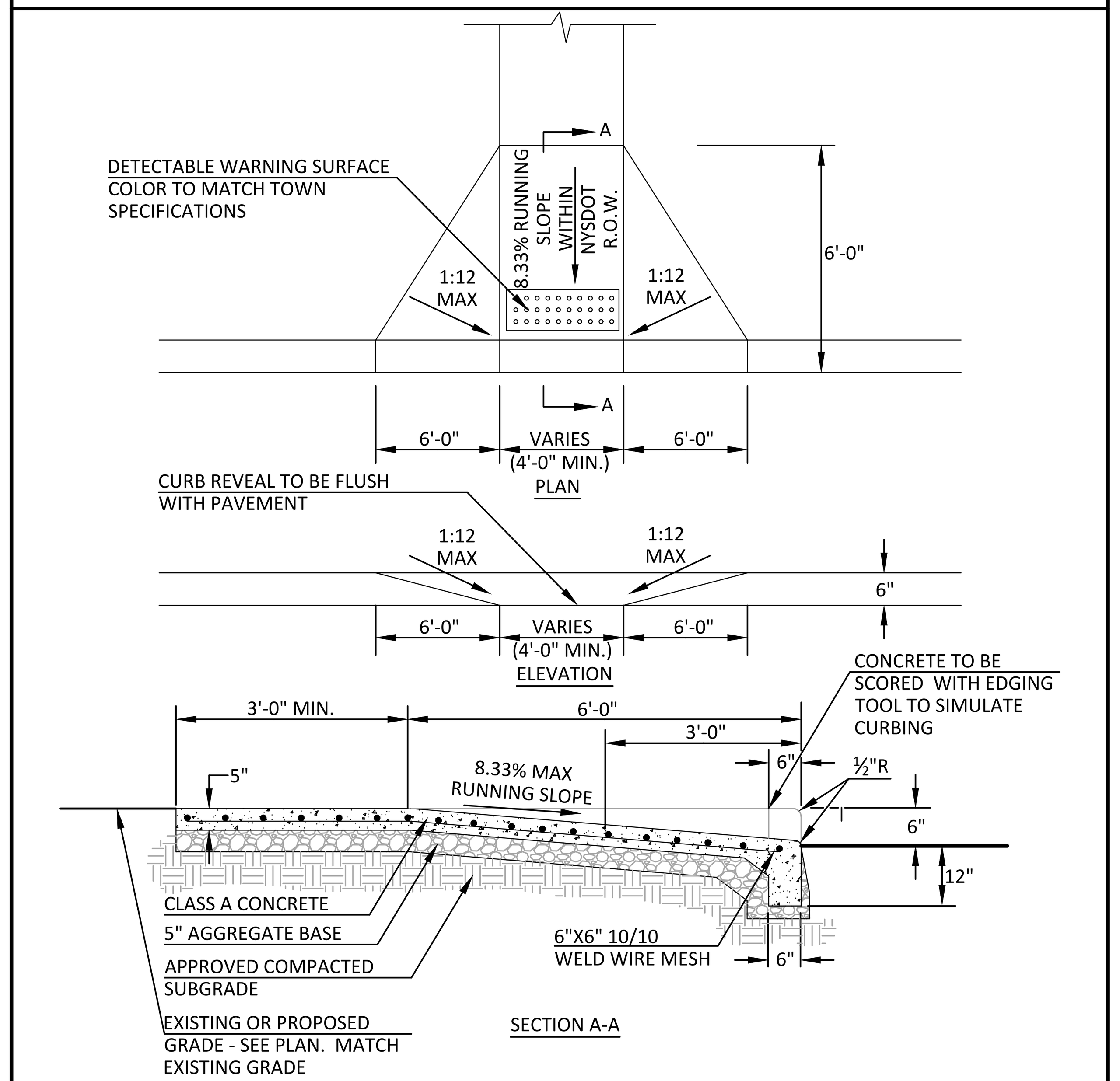
ASPHALT PAVEMENT DETAIL (N.T.S.)



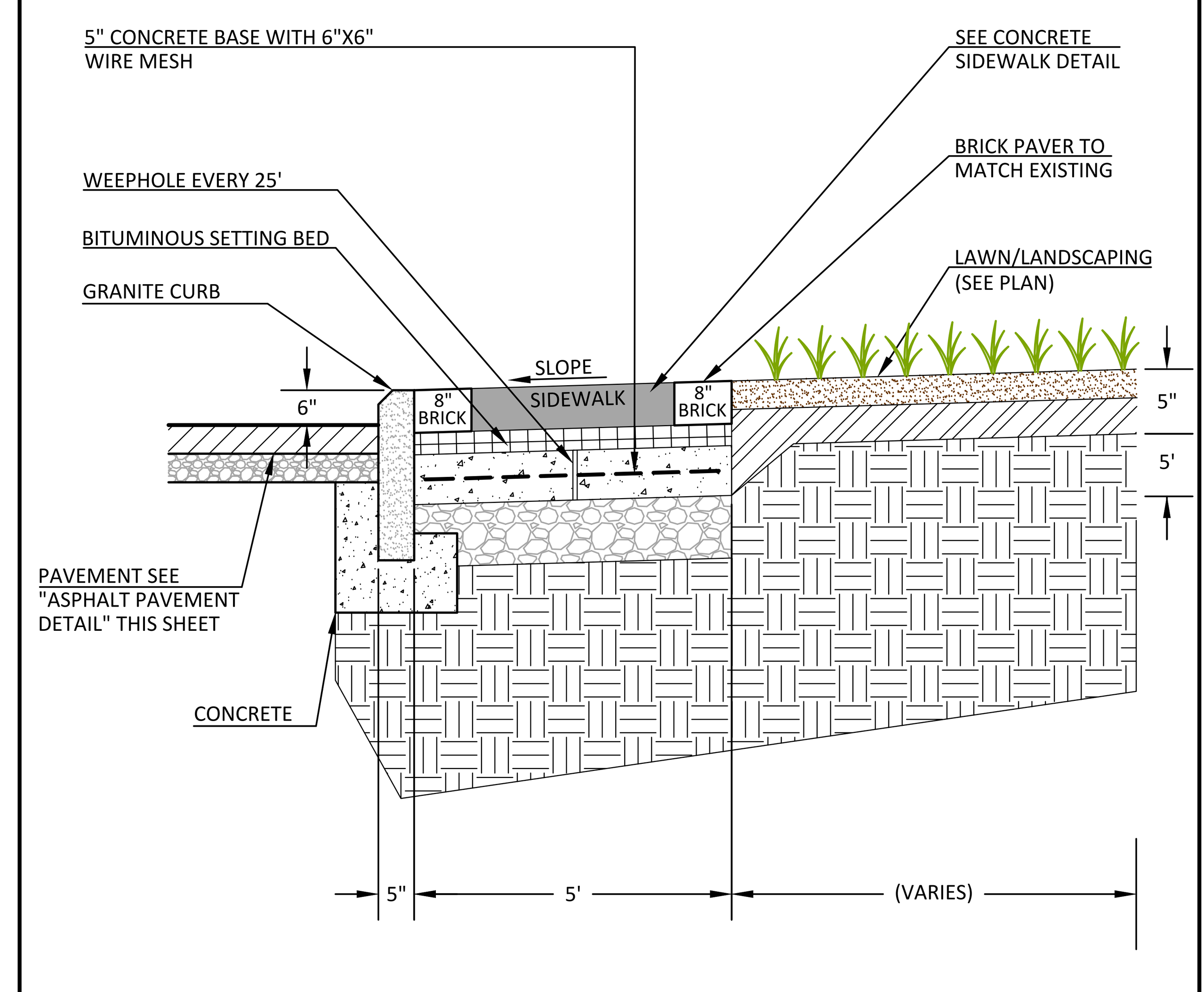
SAW CUT AND PAVEMENT RESTORATION DETAIL (N.T.S.)



CONCRETE ADA RAMP DETAIL (N.T.S.)

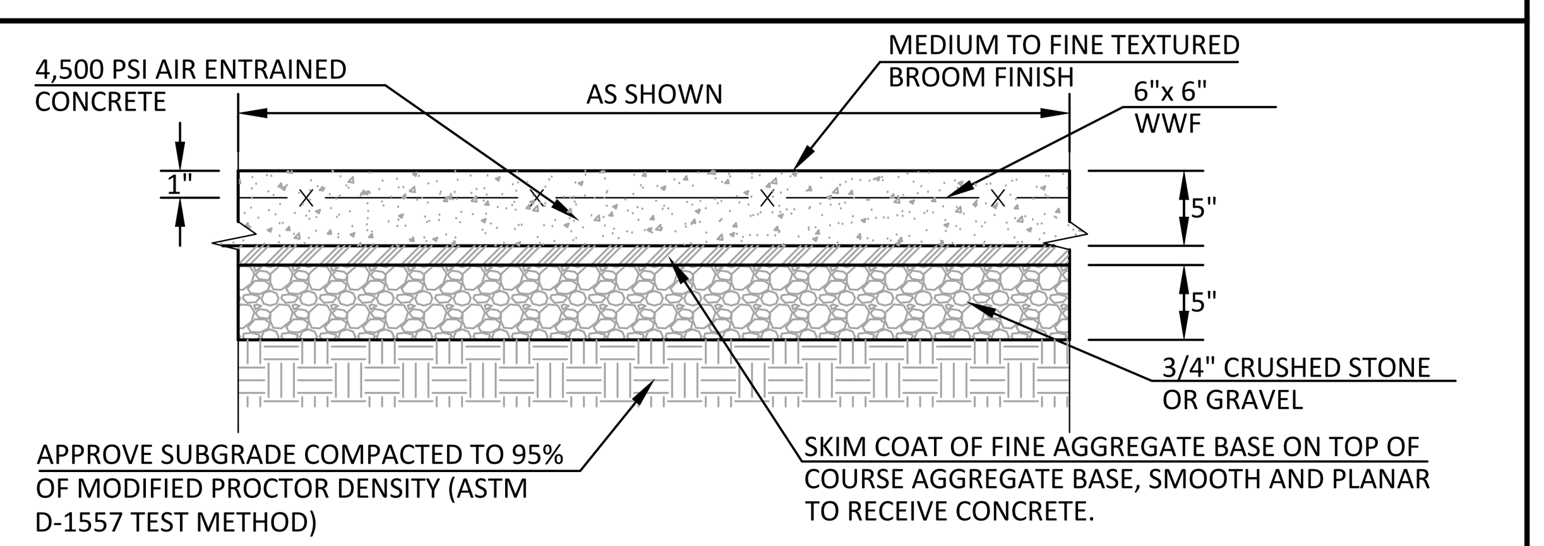


STREET SIDEWALK DETAIL (N.T.S.)



NOTE:
BRICK PAVER PRODUCT AND LAYOUT TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

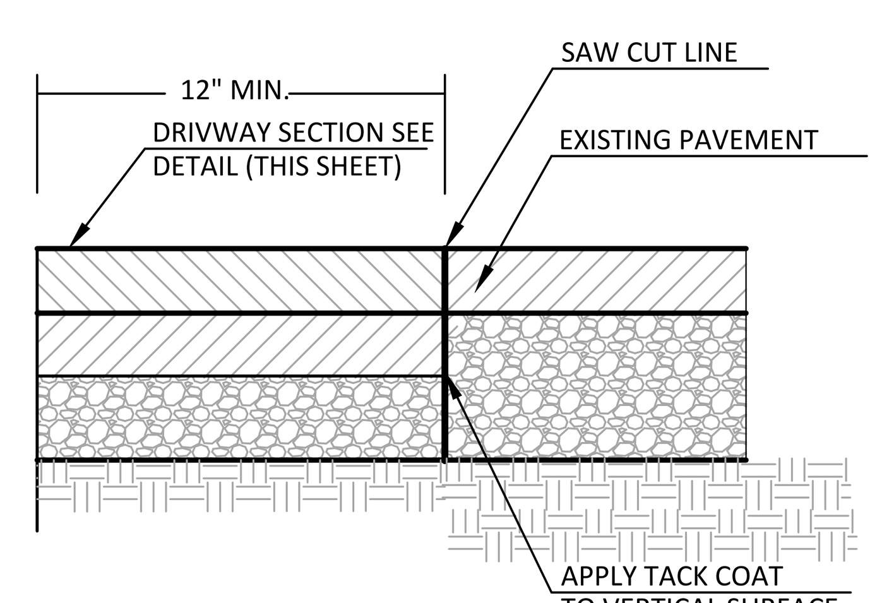
CONCRETE SIDEWALK DETAIL (N.T.S.)



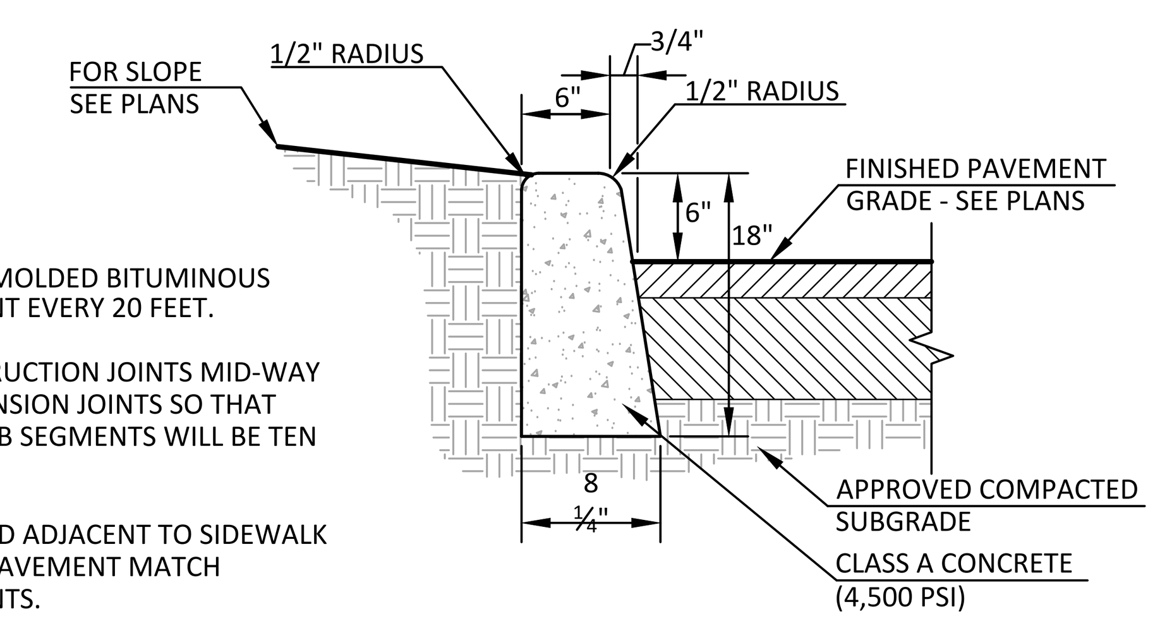
NOTES:

1. SIDEWALK TO BE CONSTRUCTED WITH SLOPE OF 1/4" PER FOOT AND PITCHED TOWARDS ROAD (UNLESS OTHERWISE NOTED).
2. BITUMINOUS EXPANSION JOINTS @ 40' O.C.
3. CONTRACTION JOINTS @ 5" O.C.

SAW CUT AND PAVEMENT RESTORATION DETAIL (N.T.S.)



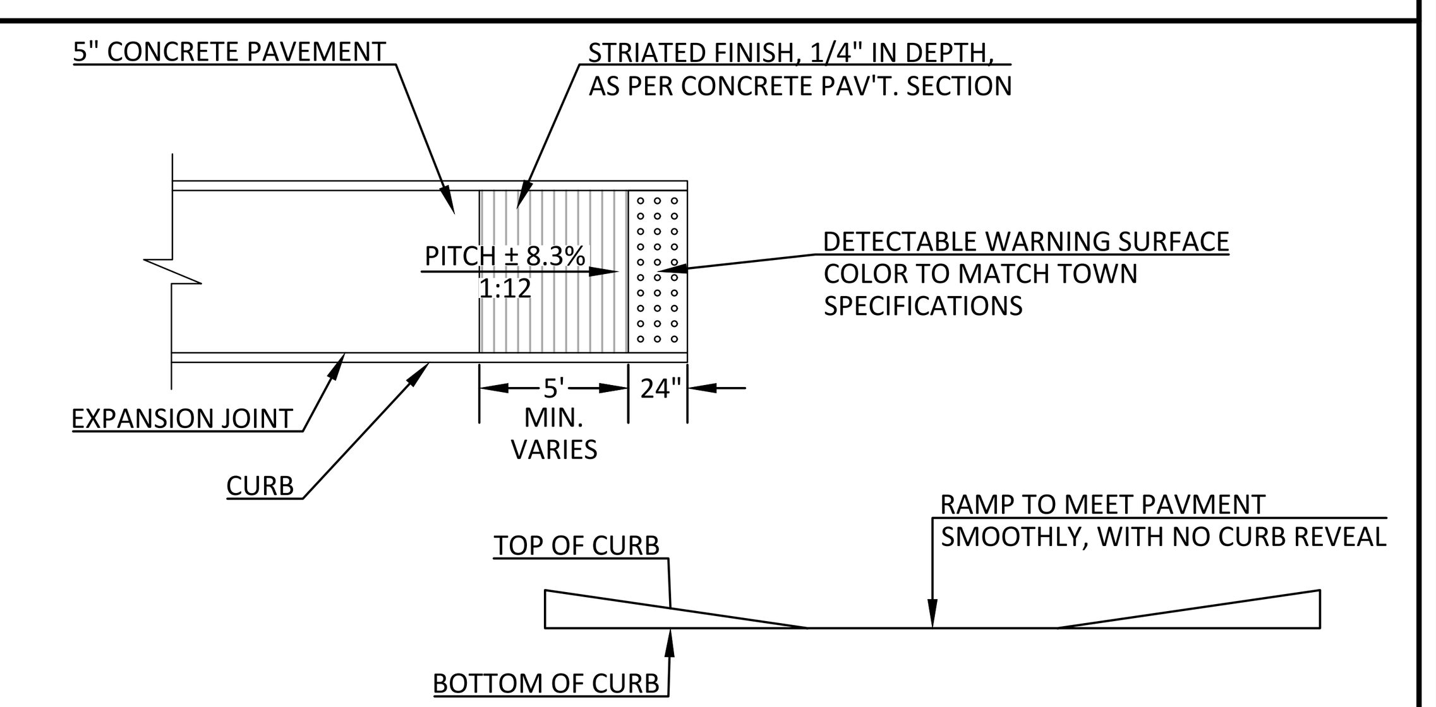
6" CAST IN PLACE CONCRETE CURB DETAIL (N.T.S.)



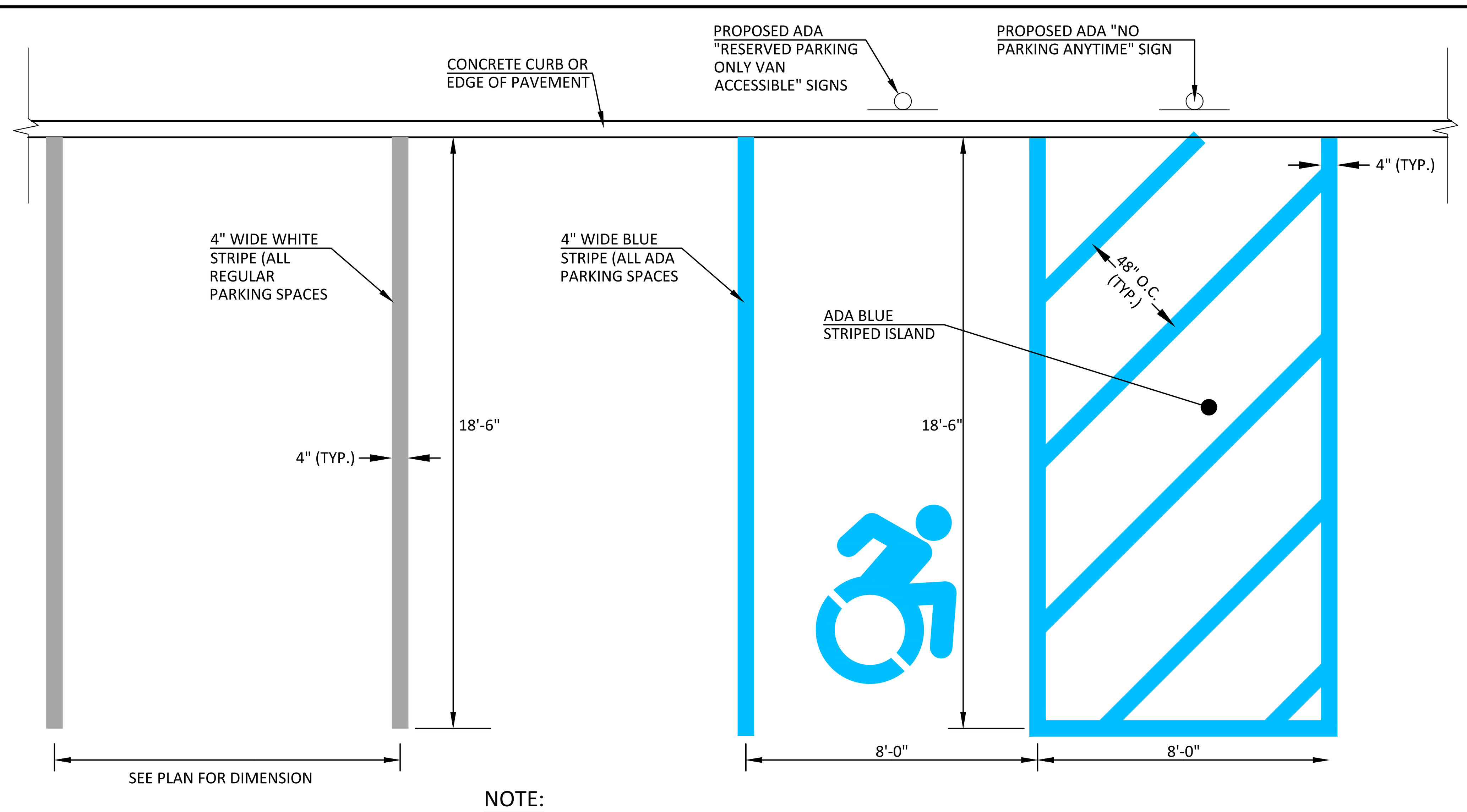
NOTES:

1. INSTALL ½" PREMOLDED BITUMINOUS EXPANSION JOINT EVERY 20 FEET.
2. INSTALL CONSTRUCTION JOINTS MID-WAY BETWEEN EXPANSION JOINTS SO THAT LENGTH OF CURB SEGMENTS WILL BE TEN (10) FEET.
3. WHEN INSTALLED ADJACENT TO SIDEWALK OR CONCRETE PAVEMENT MATCH EXPANSION JOINTS.

HANDICAP RAMP WITHOUT FLARES DETAIL (N.T.S.)



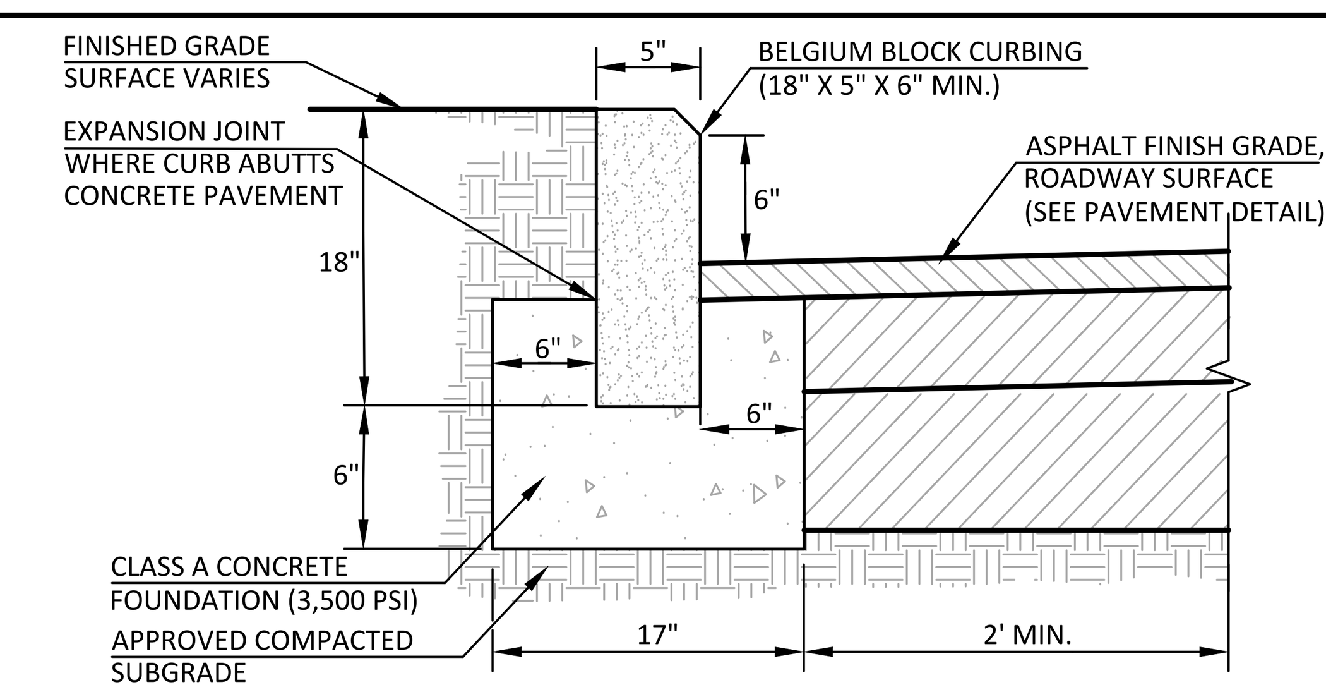
ACCESSIBLE PARKING STALL, REGULAR PARKING STALL AND STRIPED ISLAND DETAIL (N.T.S.)



NOTE:

1. ALL ACCESSIBLE PARKING STALL PAVEMENT MARKINGS AND SYMBOLS SHALL BE BLUE.

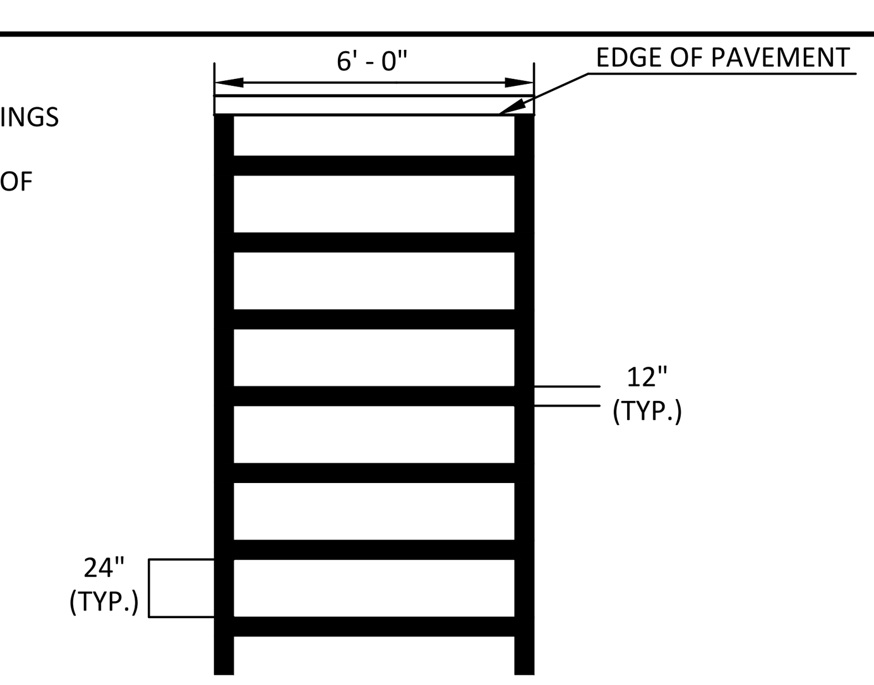
GRANITE CURB DETAIL (N.T.S.)



TYPICAL CROSSWALK DETAIL (N.T.S.)

NOTE:

1. ALL CROSSWALK MARKINGS SHALL BE WHITE.
2. SEE PLAN FOR LENGTH OF CROSSWALK



GENERAL DETAILS

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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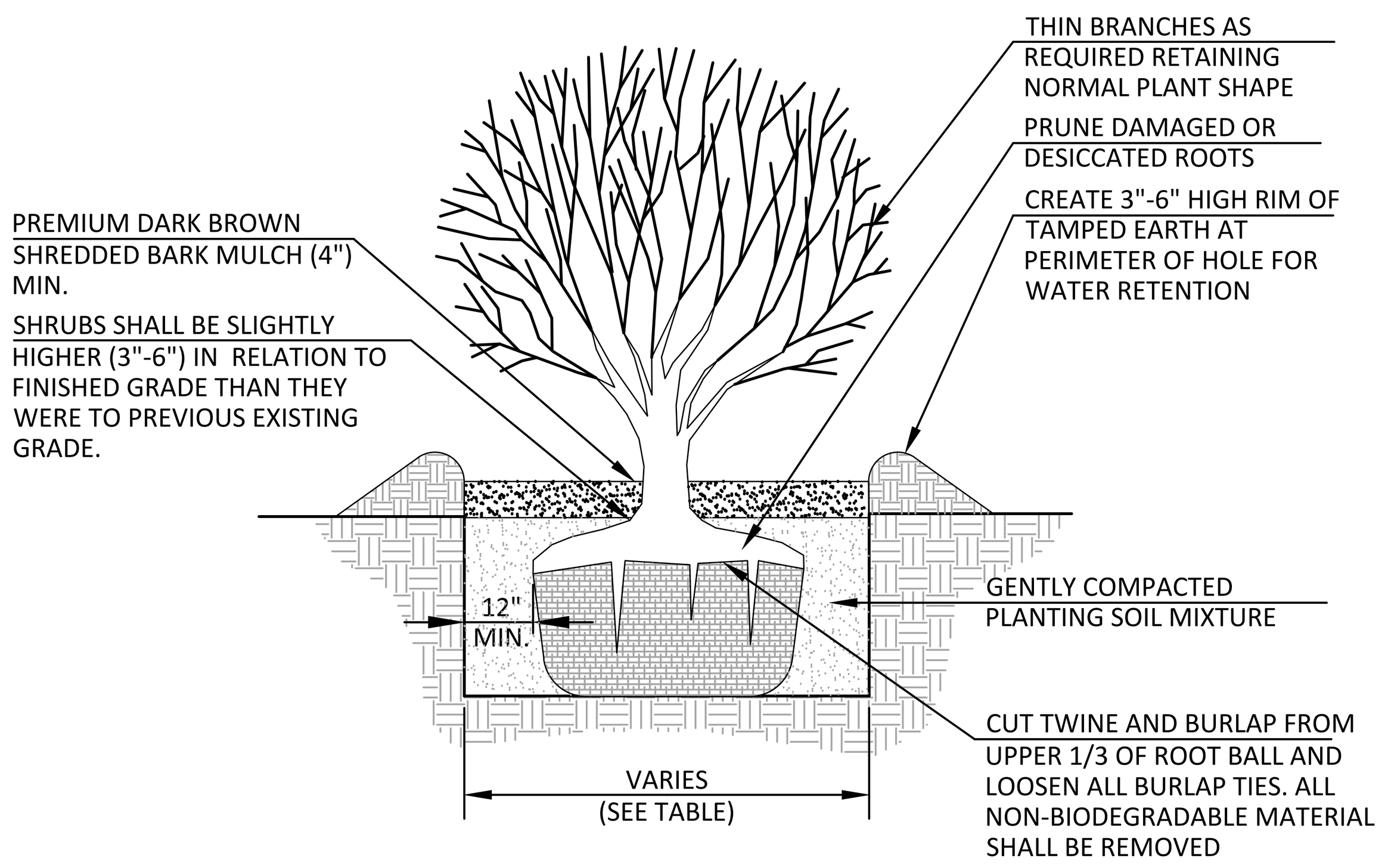
	REVISIONS

C-201

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

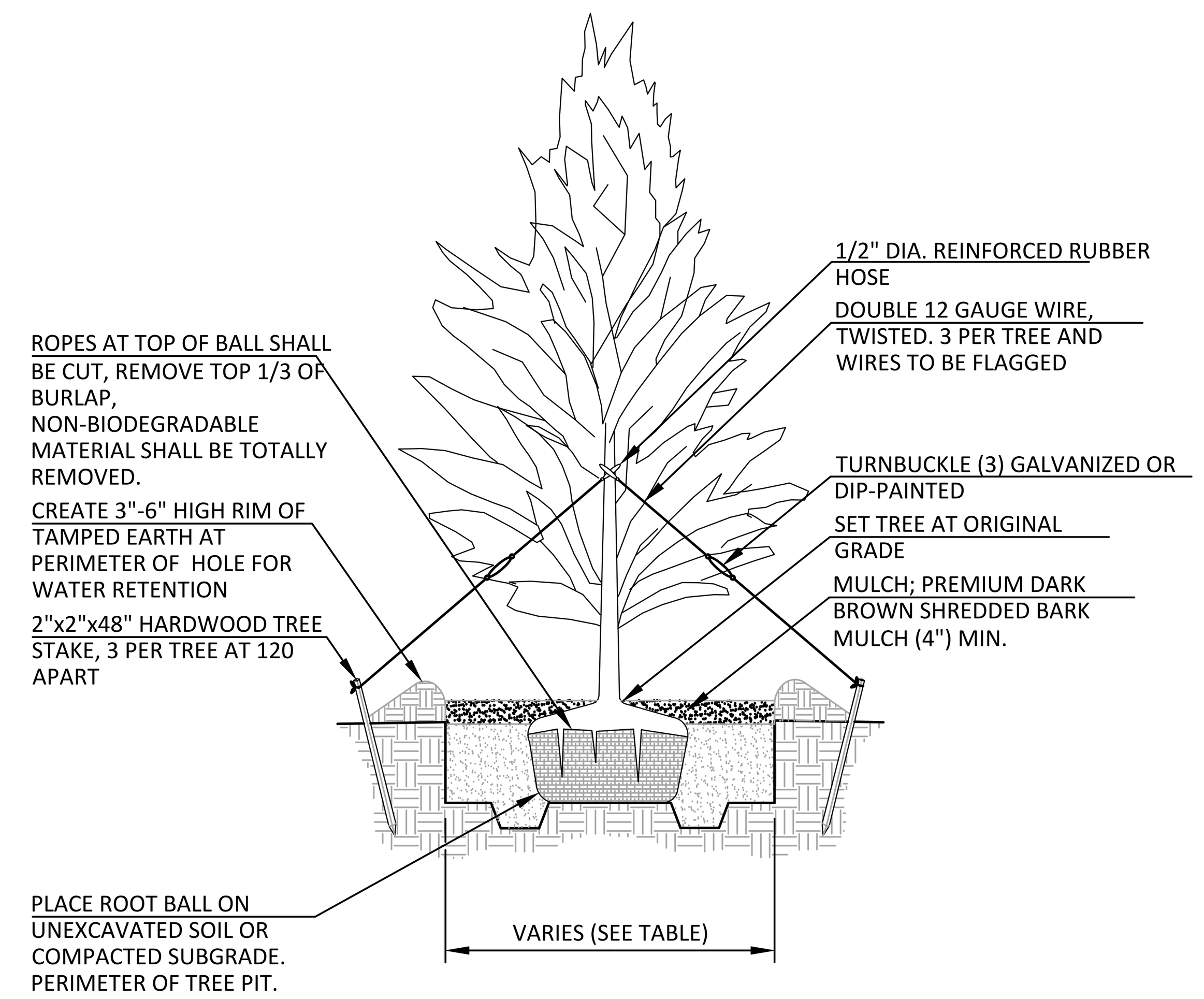
SHRUB PLANTING DETAIL (N.T.S.)



NOTE:
PLANTED SHRUBS SHALL BE PROTECTED AGAINST DEER BROWSE/DAMAGE BY REGULAR APPLICATION OF DEER REPELLANT OR USE OF PLASTIC NETTING OR WIRE MESH, TREE GUARDS, ETC. OR OTHER MEASURES.

HOLE DIAMETER TABLE	
ROOT BALL SIZE	HOLE DIAMETER
LESS THAN 4'Ø	2X BALL Ø
4'-5'Ø	1 3/4X BALL Ø
GREATER THAN 5'Ø	1 1/2X BALL Ø

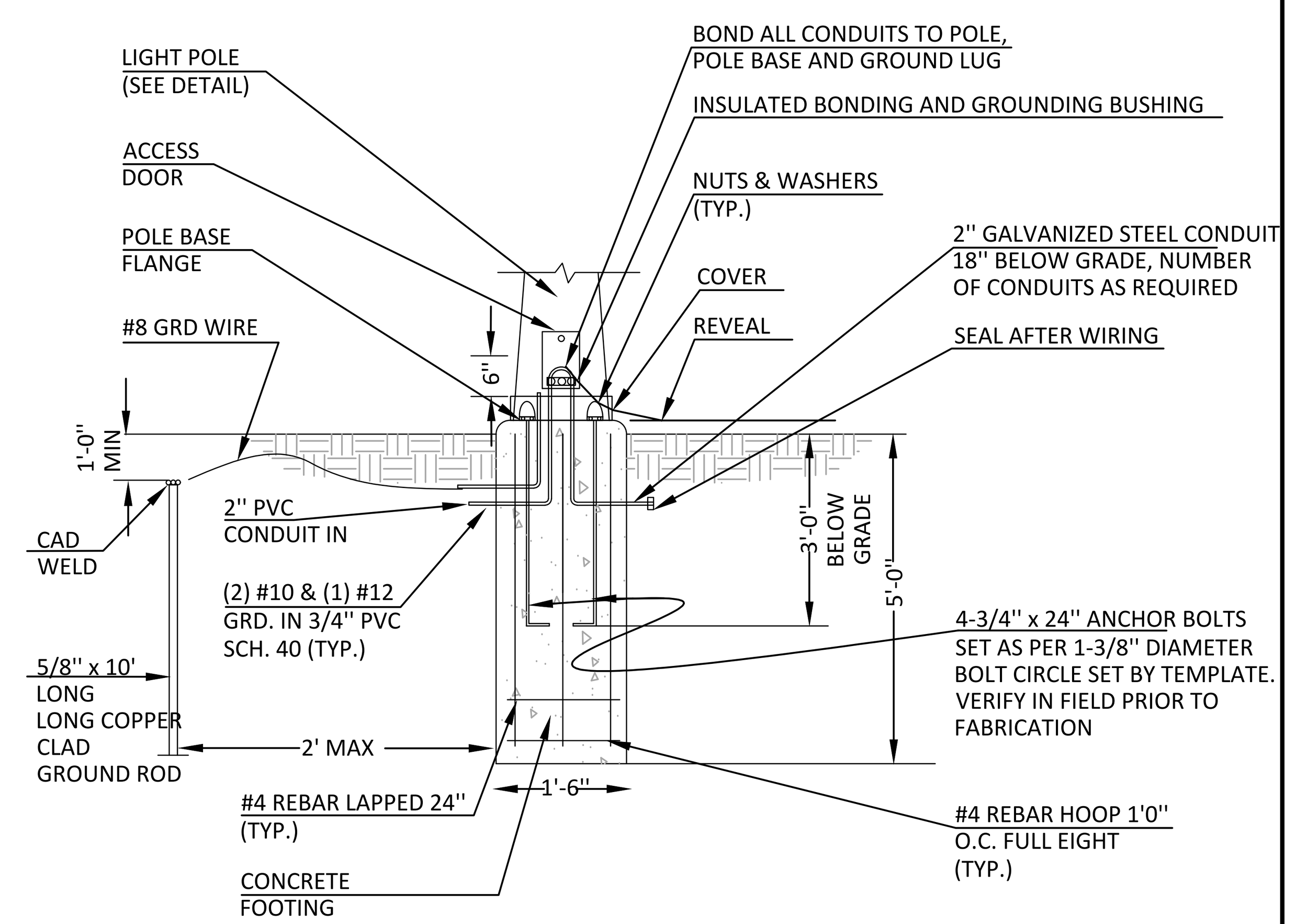
EVERGREEN TREE PLANTING DETAIL (N.T.S.)



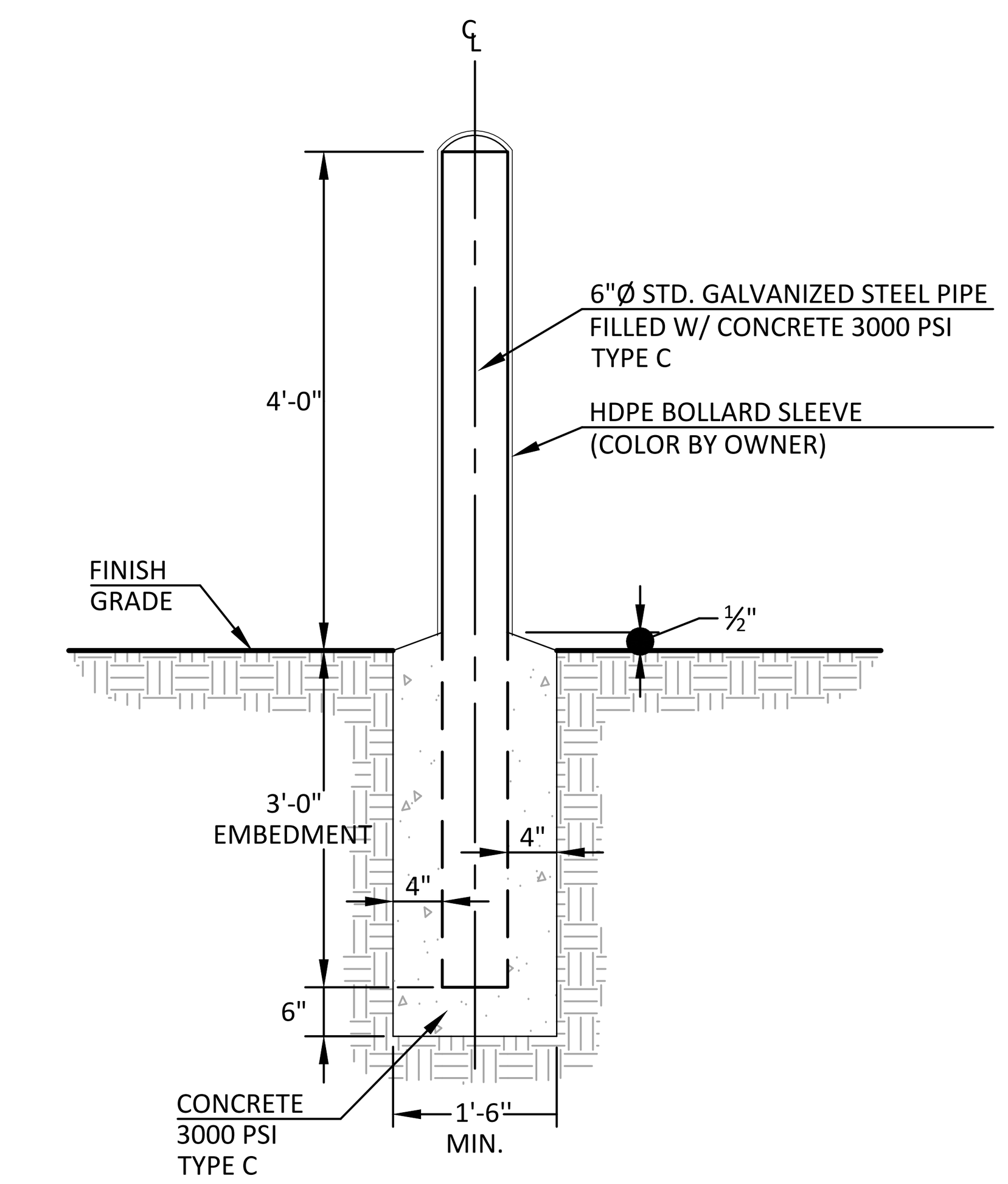
NOTE:
PLANTED TREES SHALL BE PROTECTED AGAINST DEER BROWSE/DAMAGE BY REGULAR APPLICATION OF DEER REPELLANT OR USE OF PLASTIC NETTING OR WIRE MESH, TREE GUARDS, ETC. OR OTHER MEASURES.

HOLE DIAMETER TABLE	
ROOT BALL SIZE	HOLE DIAMETER
LESS THAN 4'Ø	2X BALL Ø
4'-5'Ø	1 3/4X BALL Ø
GREATER THAN 5'Ø	1 1/2X BALL Ø

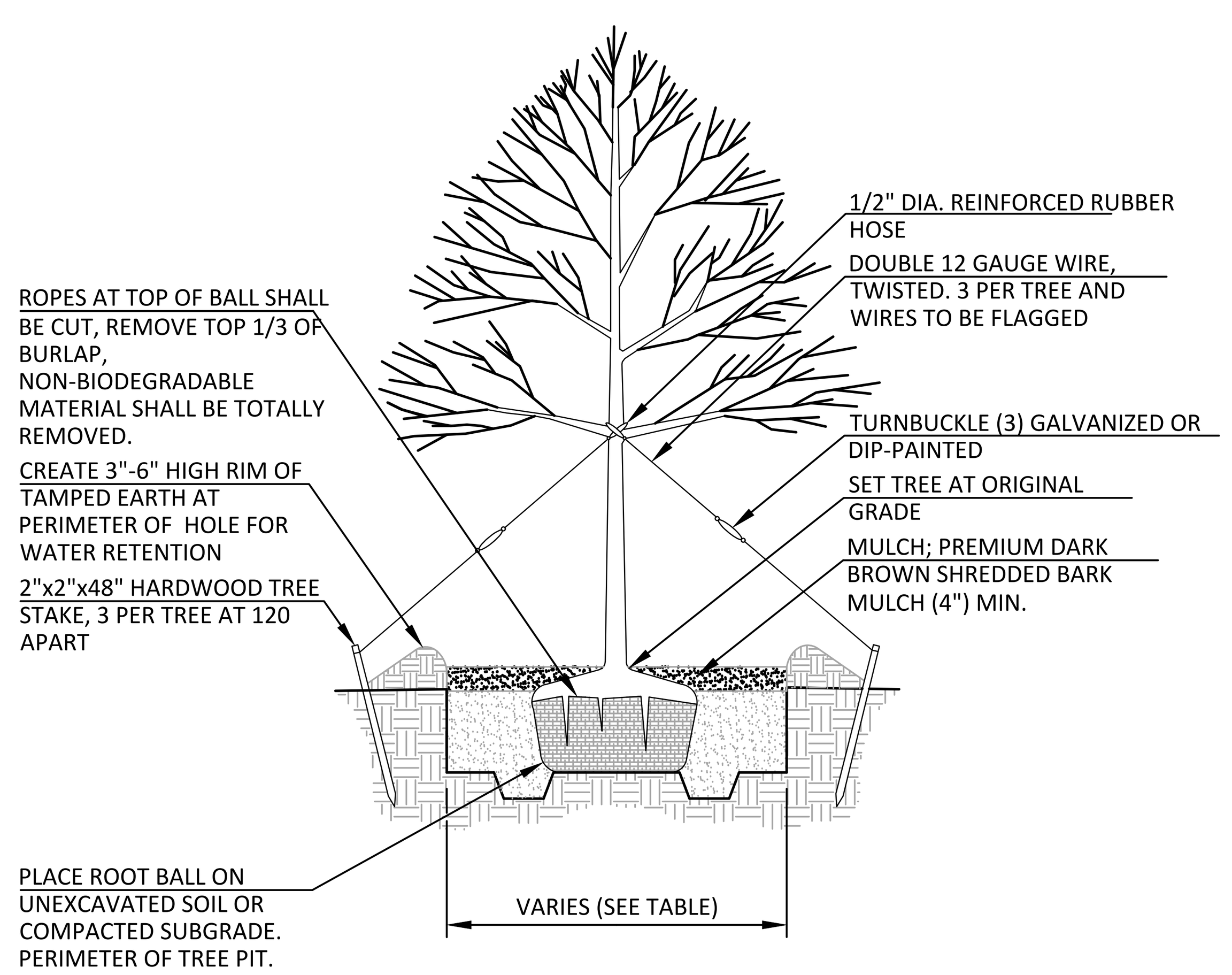
LIGHT POLE FOUNDATION BASE DETAIL (N.T.S.)



FUEL PUMP BOLLARD DETAIL (N.T.S.)



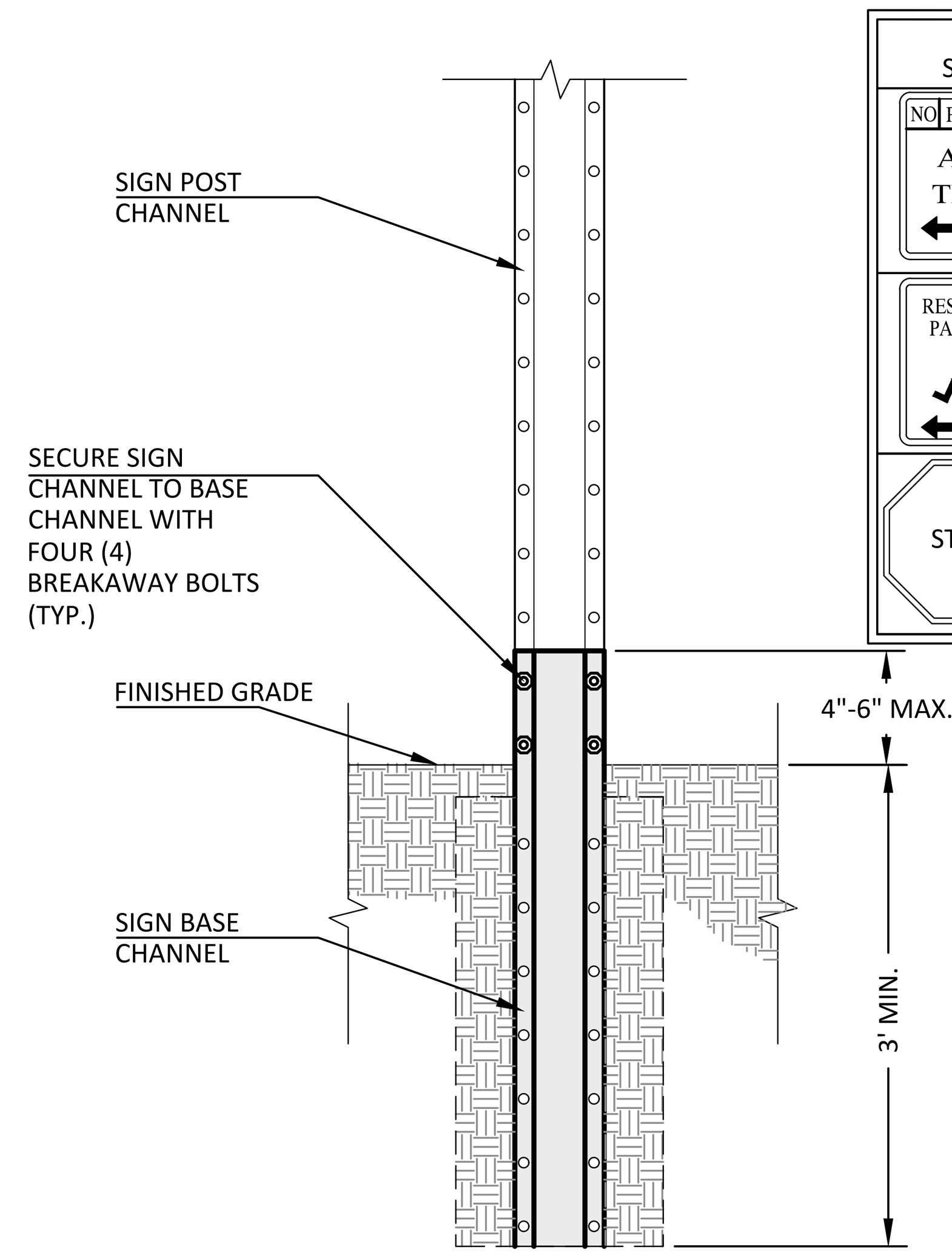
DECIDUOUS TREE PLANTING DETAIL (N.T.S.)



NOTE:
PLANTED TREES SHALL BE PROTECTED AGAINST DEER BROWSE/DAMAGE BY REGULAR APPLICATION OF DEER REPELLANT OR USE OF PLASTIC NETTING OR WIRE MESH, TREE GUARDS, ETC. OR OTHER MEASURES.

HOLE DIAMETER TABLE	
ROOT BALL SIZE	HOLE DIAMETER
LESS THAN 4'Ø	2X BALL Ø
4'-5'Ø	1 3/4X BALL Ø
GREATER THAN 5'Ø	1 1/2X BALL Ø

TRAFFIC SIGN BREAKAWAY BASE INSTALLATION DETAIL (N.T.S.)

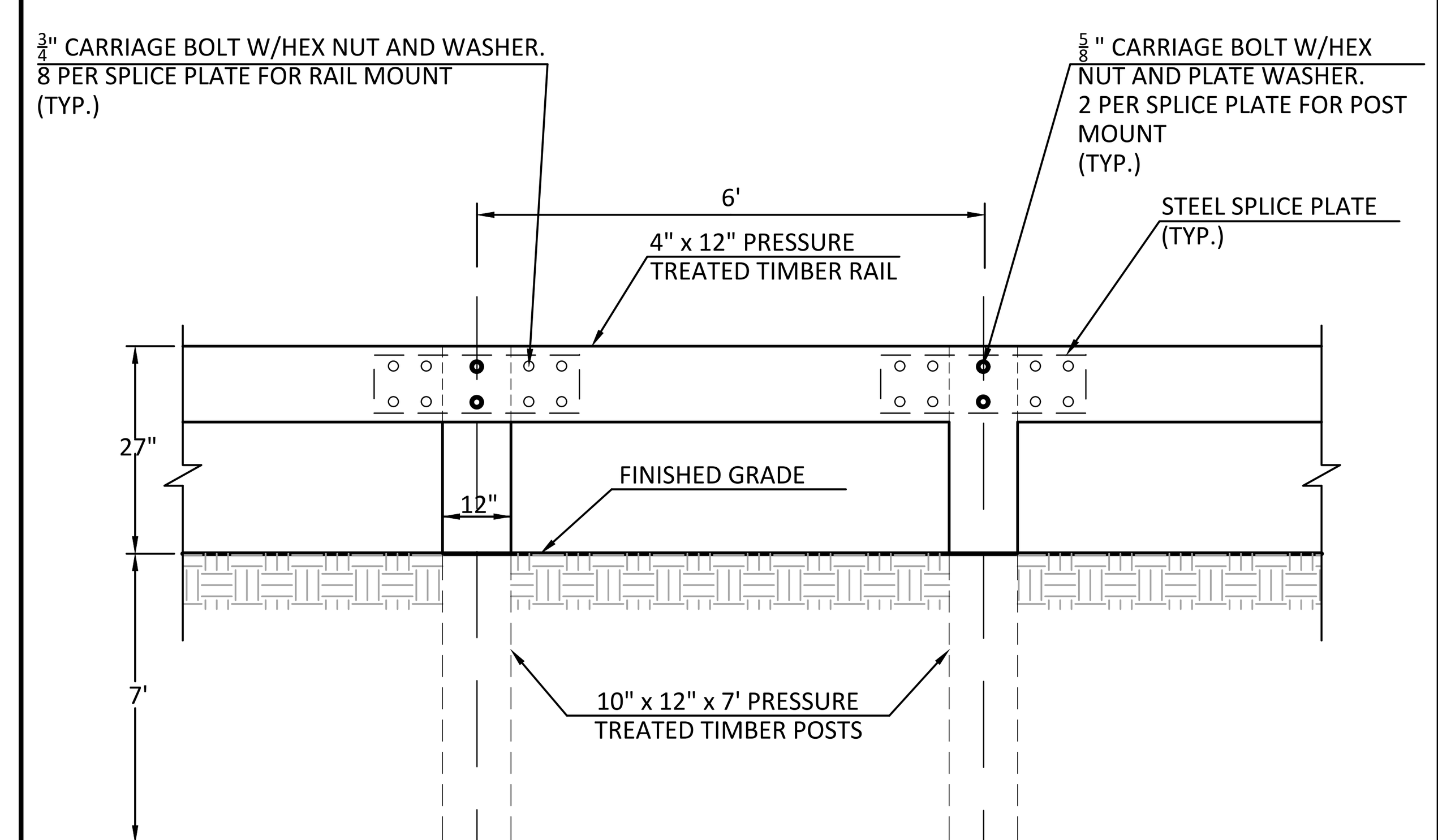


SIGN	M.U.T.C.D. NUMBER	SIZE OF SIGN	TYPE OF MOUNT
NO PARKING ANY TIME ⟷	P1-2 (SEE NOTE 4)	12" X 18"	GR. MT.
RESERVED PARKING ⟷	R7-8	12" X 18"	GR. MT.
STOP	R1-1	18" X 18"	GR. MT.

SYMBOL	DESCRIPTION
GR. MT.	GROUND MOUNTED
OH MT.	OVERHEAD MOUNTED
BR MT.	BRIDGE MOUNTED
B/B	BACK TO BACK
┼ OR ▷	APPROXIMATE LOCATION OF SIGN

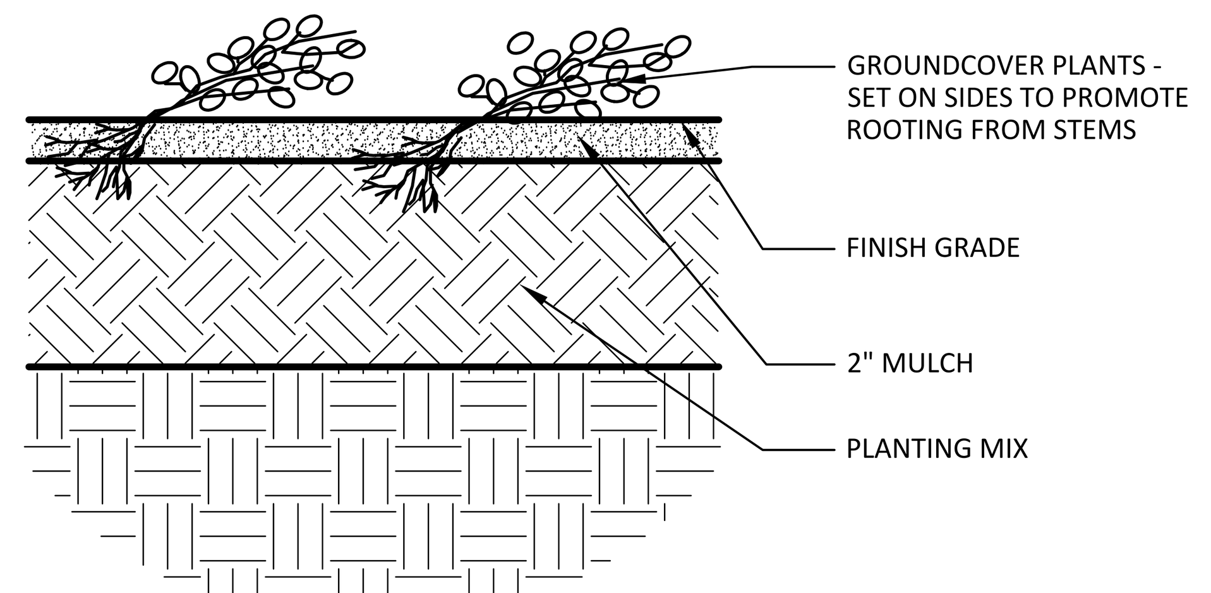
* LOCATIONS SHALL BE APPROVED BY ENGINEER

WOOD GUIDE RAIL DETAIL (N.T.S.)

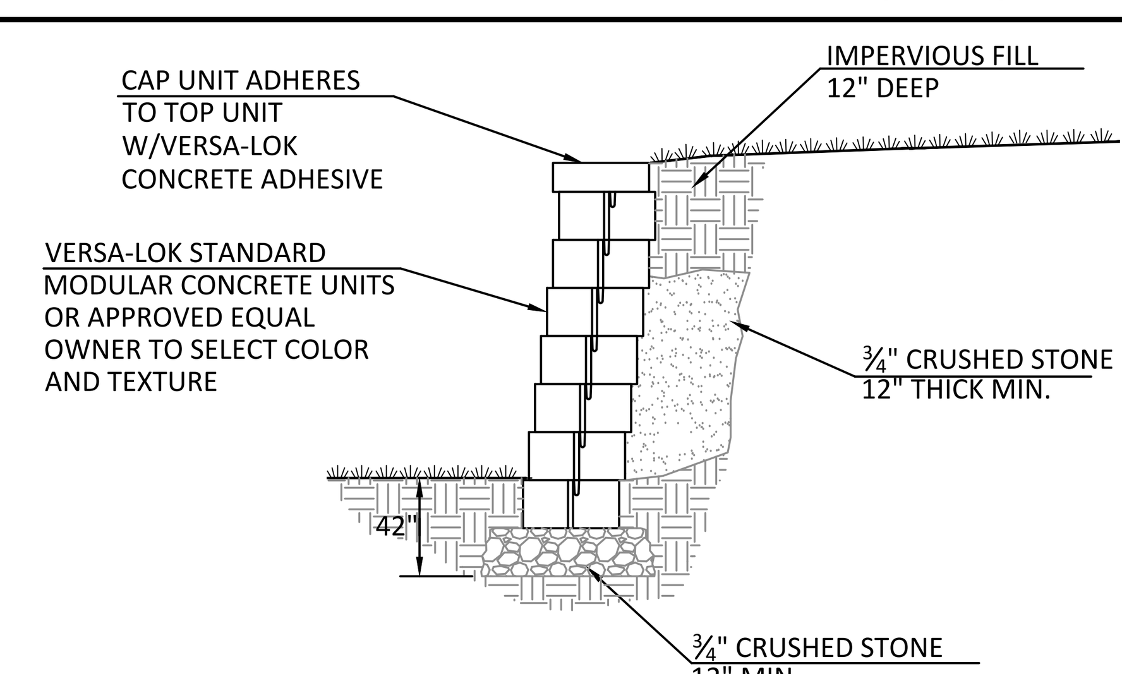


NOTE:
1. GUIDE RAIL TO BE INSTALLED IN LOCATIONS AS SHOWN ON PLANS.
2. POSTS TO BE SECURED IN COMPACTED SOIL.

GROUNDCOVER PLANTING (N.T.S)

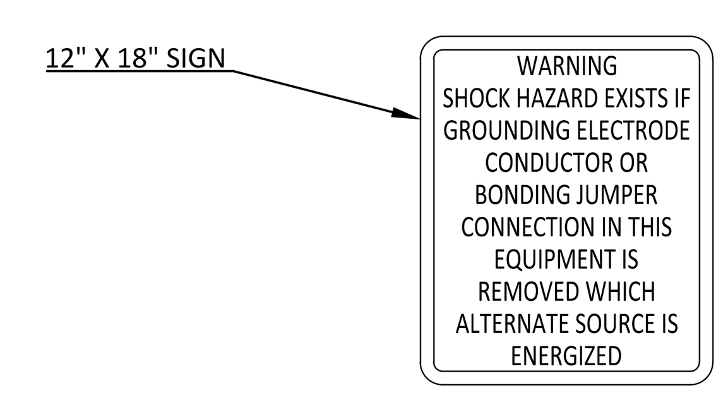


VERSA-LOK UNREINFORCED RETAINING WALL DETAIL (N.T.S.)



* OR APPROVED EQUAL

WARNING SIGN DETAIL



NOTE:
1. SIGN IS TO BE AFFIXED TO THE 4" X 12" TIMBER GUIDE RAIL WITH GALVANIZED SCREWS.

GENERAL DETAILS

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
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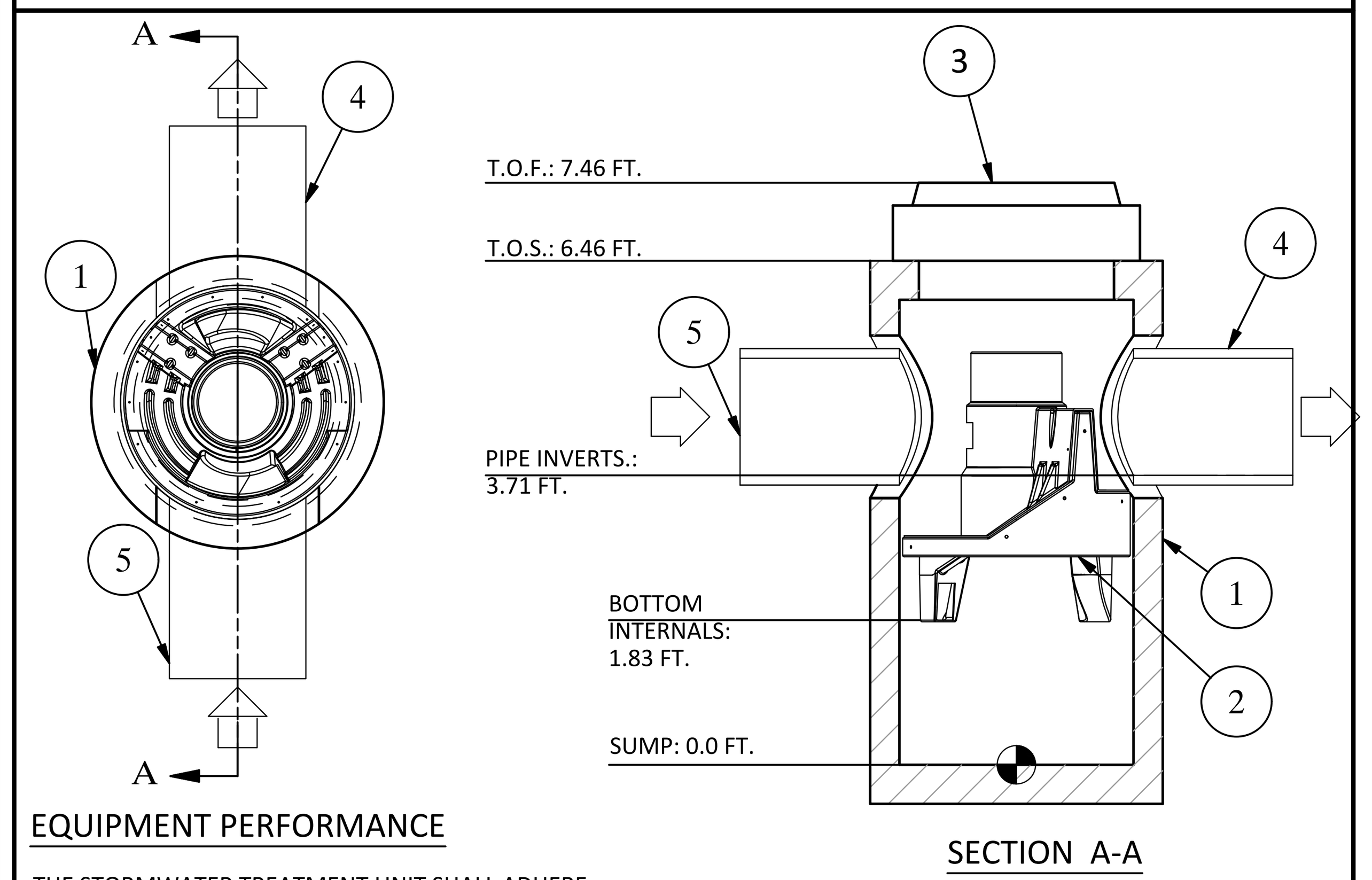
C-202
PROJECT I.D.: PRPOUNDRIDGEFIRE500
DATE: FEBRUARY 2, 2024

FIRST DEFENSE 3 FT. WATER TREATMENT DETAIL (N.T.S.)



EQUIPMENT PERFORMANCE

THE STORMWATER TREATMENT UNIT SHALL ADHERE TO THE HYDRAULIC PARAMETERS GIVEN IN THE CHART BELOW AND PROVIDE THE REMOVAL EFFICIENCIES AND STORAGE CAPACITIES AS FOLLOWS:

1. PEAK HYDRAULIC FLOW: 15.0 cfs
2. MIN. SEDIMENT STORAGE CAPACITY: 0.4 cy.
3. MAX. PIPE DIAMTER: 18 in
4. OIL STORAGE CAPACITY: 125 Gal.

(HEADLOSS IS DEFINED AS THE DIFFERENCE BETWEEN STATIC WATER LEVEL AT THE INLET OF THE FIRST DEFENSE TO THE FREE WATER SURFACE IN THE OUTLET PIPE, ASSUMING FREE DISCHARGE)

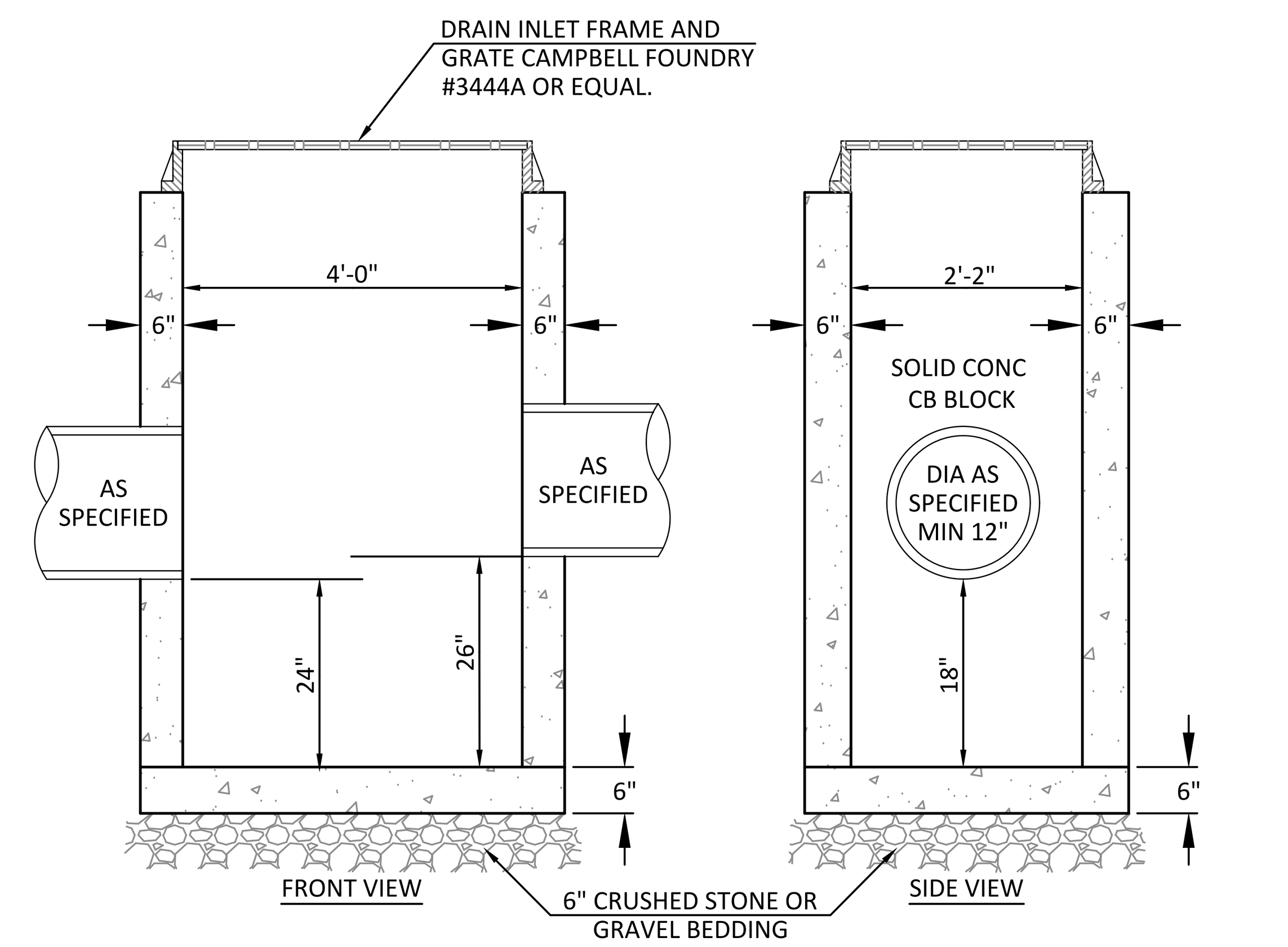
Parts List

ITEM	SIZE (in)	DESCRIPTION
1	36	I.D. CONCRETE MANHOLE
2		INTERNAL COMPONENTS (PRE-INSTALLED)
3	30	FRAME AND GRATE*
4	18 (MAX)	OUTLET PIPE
5	18 (MAX)	INLET PIPE

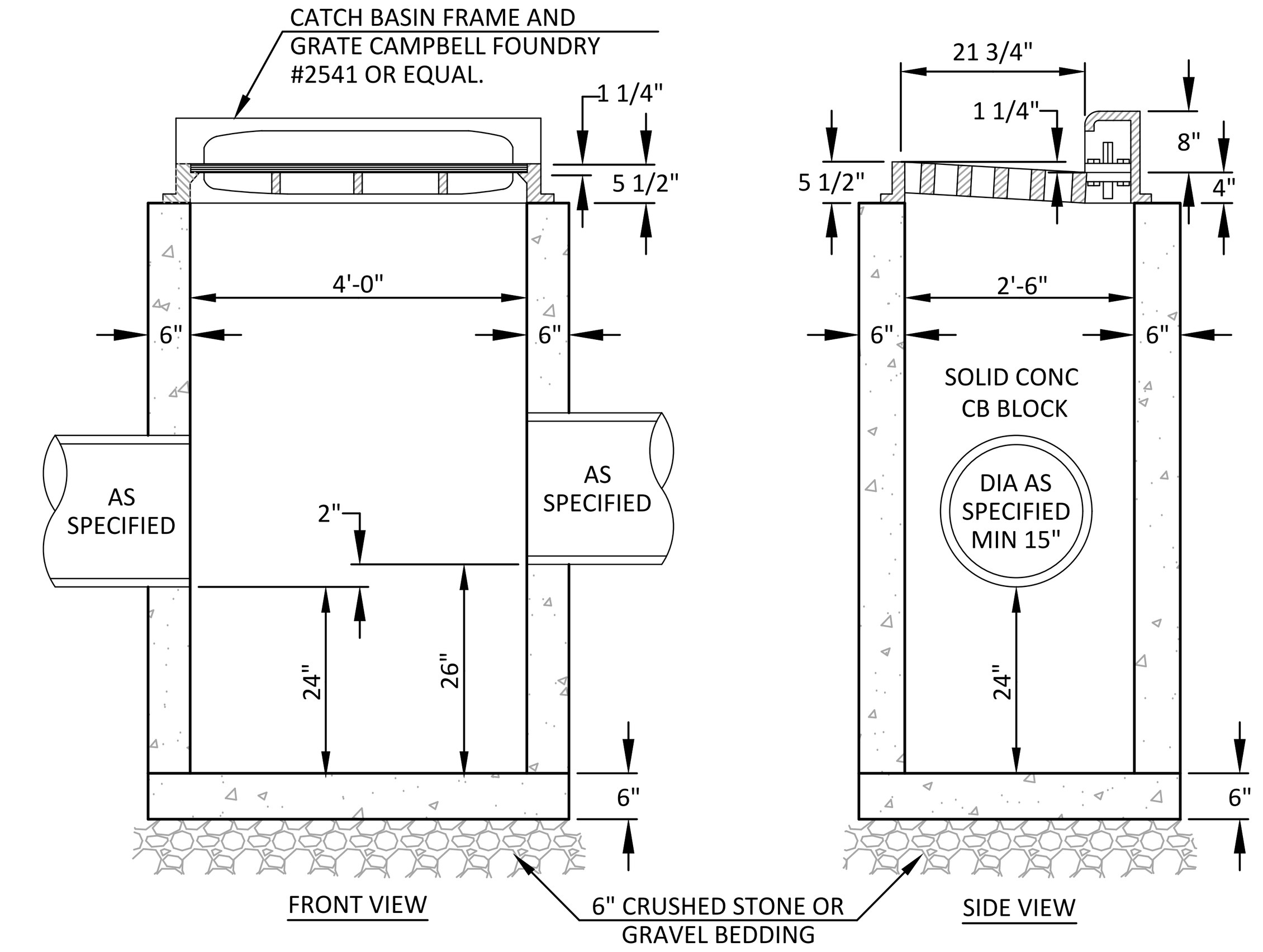
* CAMPBELL FOUNDRY HEAVY DUTY FRAME AND COVER #1460A OR APPROVED EQUAL

*First Defense® (3 FT DIAMETER UNIT) BY HYDRO INTERNATIONAL OR APPROVED EQUAL

DRAIN INLET DETAIL (N.T.S.)

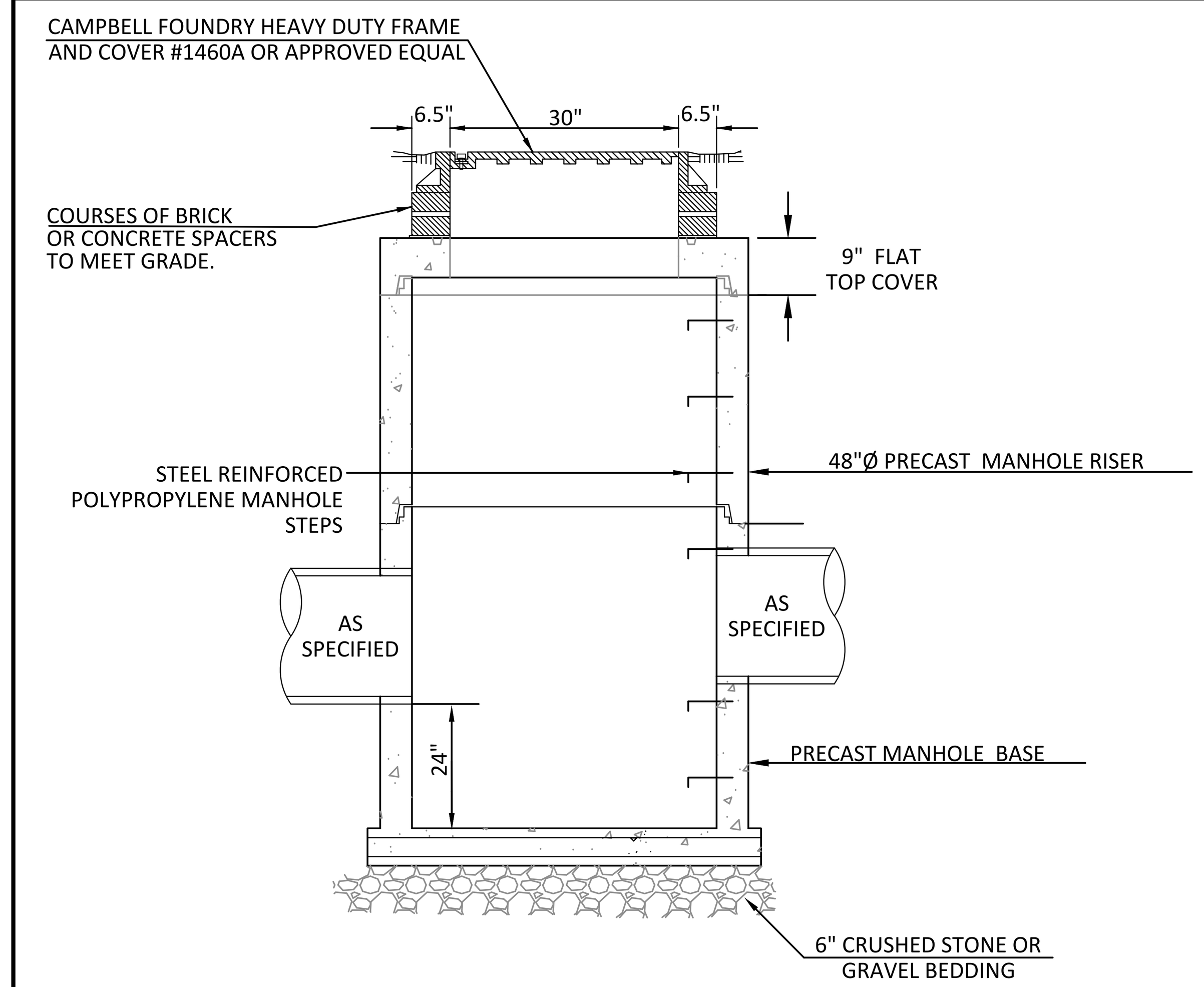


CATCH BASIN DETAIL (N.T.S.)



NOTE:
TYPE A CATCH BASIN AS SHOWN HERE ON WILL BE UTILIZED WHERE THE NEED FOR A DROP INLET EXISTS. THE CURB TYPE CASTING SHALL BE SUBSTITUTED WITH CAMPBELL FOUNDRY FRAME AND GRATE # 3433 OR EQUAL.

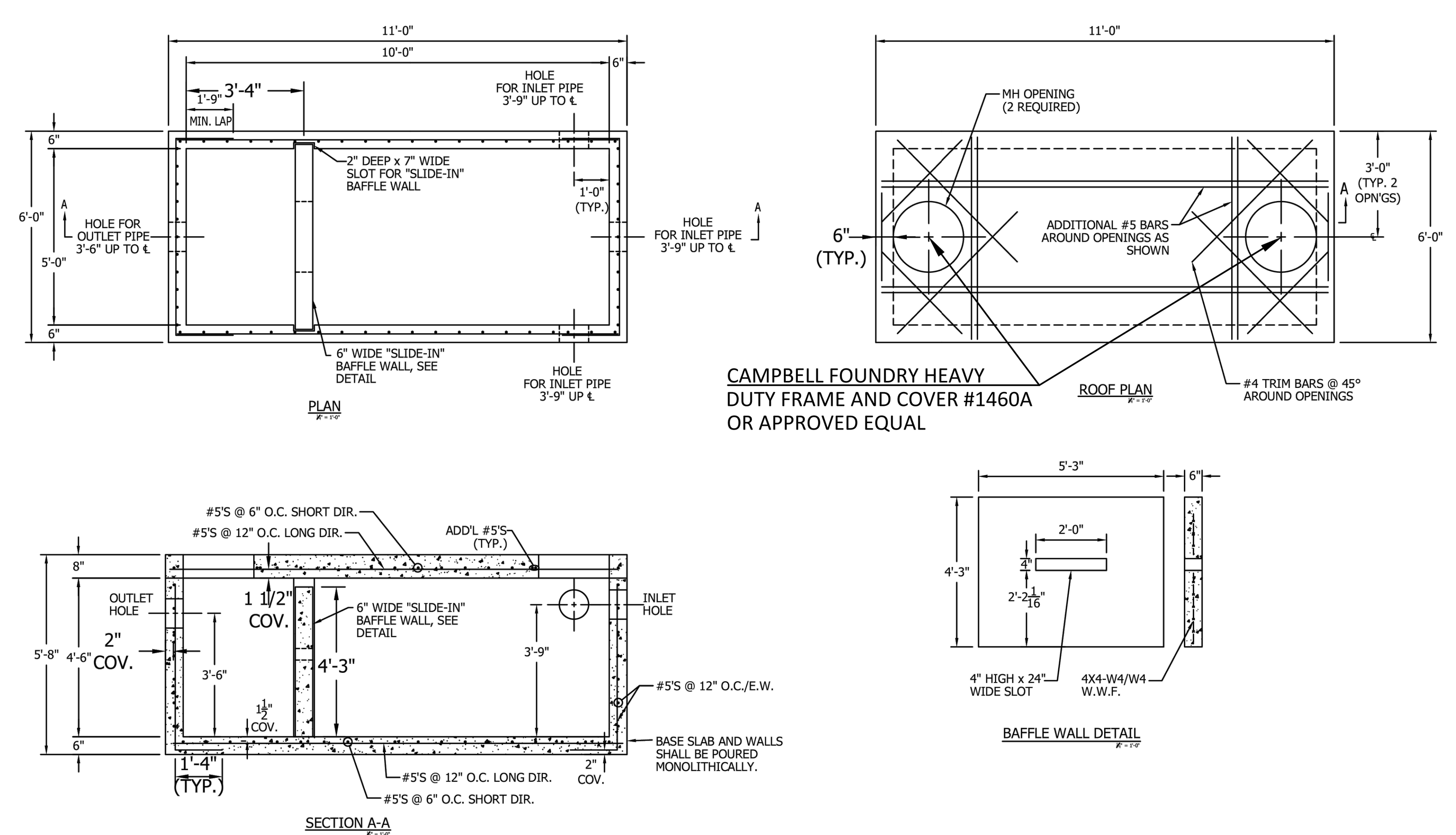
PRECAST DRAIN MANHOLE DETAIL (N.T.S.)



NOTES:

1. ALL JOINTS ON PRECAST UNITS ARE TO BE 'O' RING RUBBER GASKETS WITH EXTERIOR MORTARED JOINTS.
2. ALL MANHOLE STEPS ARE TO BE CAST IN PLACE DURING CONSTRUCTION.
3. MANHOLE STEPS ARE TO BE ALUMINUM OR APPROVED EQUAL.

OIL/WATER SEPARATOR DETAIL (N.T.S.)

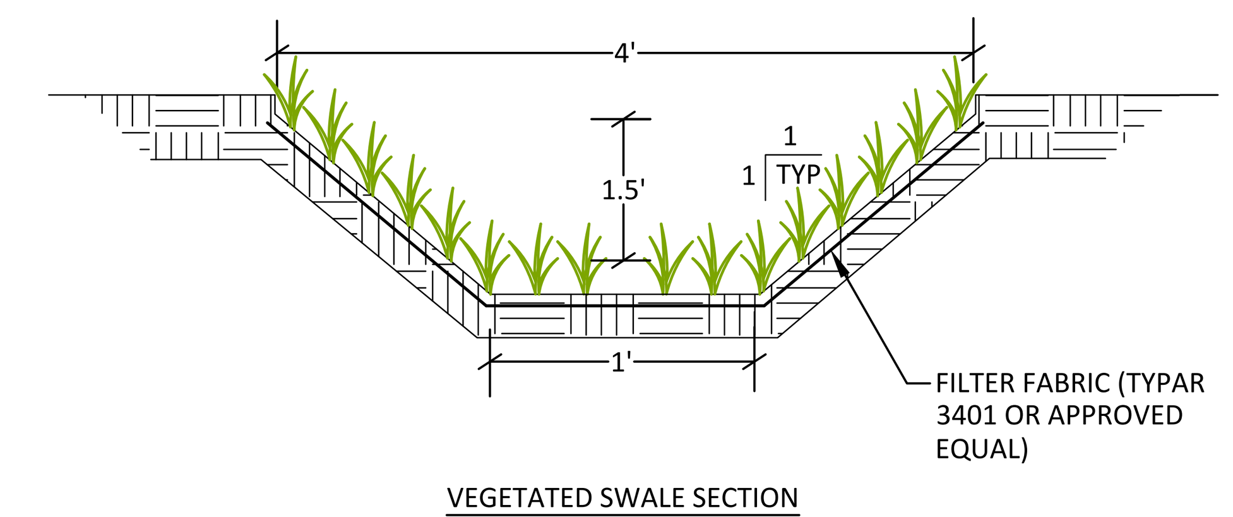


NOTES:
1) DESIGN IN ACCORDANCE WITH ASTM C890 AND ACI 318.
2) LIVE LOAD = A-20 (AASHTO HS25)
3) EARTH FILL FOR DESIGN = 6" MIN., 2' MAX.
4) WATER TABLE ASSUMED AT 36" BELOW GRADE
5) CONCRETE STRENGTH = 5,000 PSI
6) REINFORCING STEEL - ASTM A615, GRADE 60
7) OPENINGS, SIZE AND LOCATION, AS REQUIRED:
   7.1) PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS <12" EQUAL TO THE BARS INTERRUPTED BY THE OPENING, ½ EACH SIDE AND IN THE SAME PLANE.
   7.2) ADD #4 DIAGONAL TRIM BARS AT OPENINGS.
8) MATERIALS AND MANUFACTURING SHALL CONFORM TO ASTM C1227.
9) LIFTING AND HANDLING SHALL CONFORM TO OSHA STANDARDS.

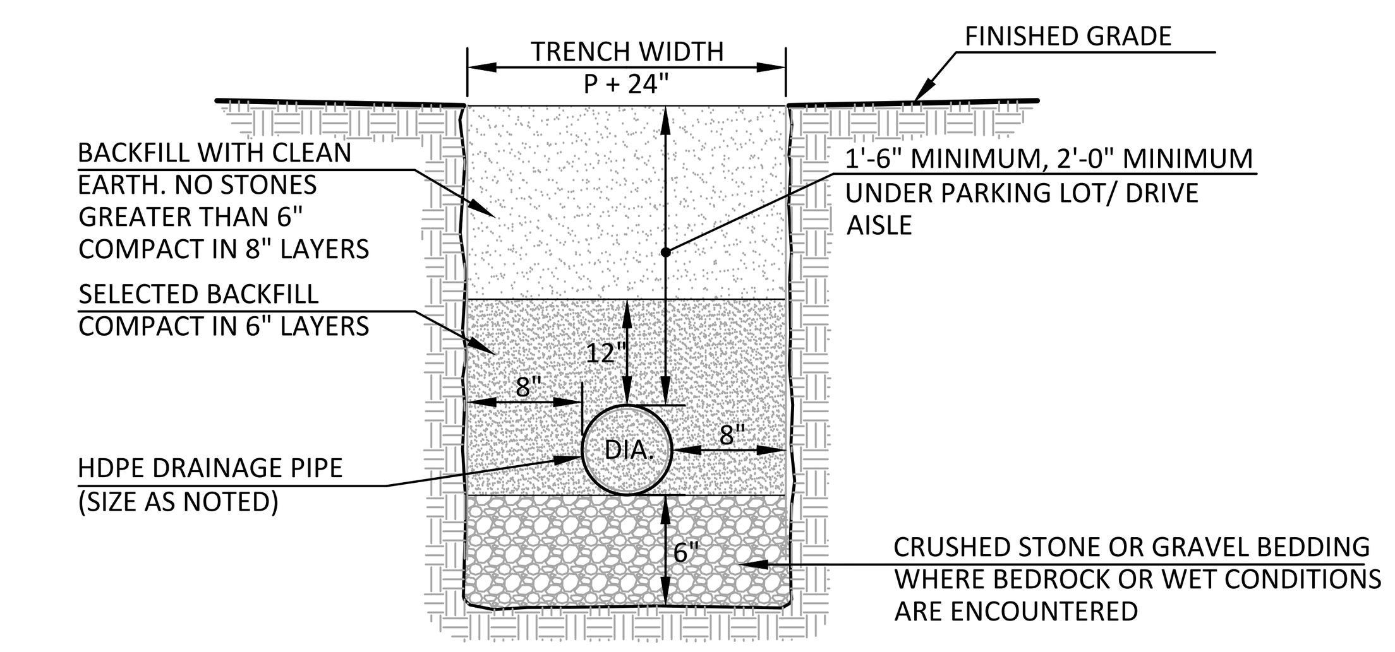
WEIGHTS:	
BASE & 4'-6" RISER	= 15,560#
ROOF SLAB	= 6,600#
BAFFLE WALL	= 1,650#
TOTAL	=23,860#

* SEPTIC TANK/GREASE TRAP 1250 GALLONS BY A&R OR APPROVED EQUAL

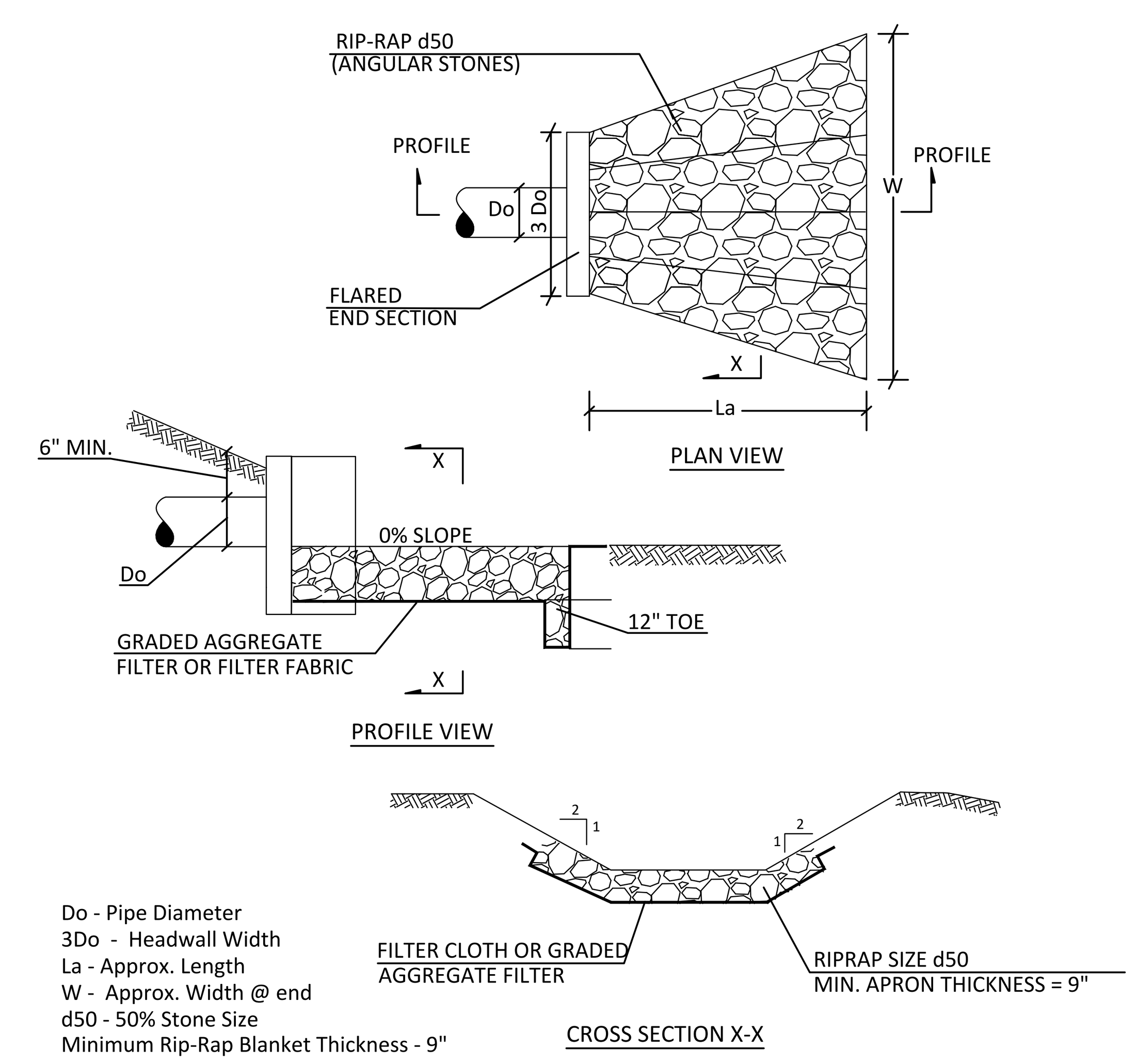
VEGETATED SWALE DETAIL (N.T.S.)



DRAINAGE TRENCH DETAIL (N.T.S.)



RIP RAP OUTLET PROTECTION DETAIL (N.T.S.)



Do - Pipe Diameter
3Do - Headwall Width
La - Approx. Length
W - Approx. Width @ end
d50 - 50% Stone Size
Minimum Rip-Rap Blanket Thickness - 9"

OUTLET PROTECTION LOCATION	Do (in)	3Do (ft)	La (min) (ft)	W (ft)	d50 (in)
HW	4	1.0	6	6.5	4

DRAINAGE DETAILS

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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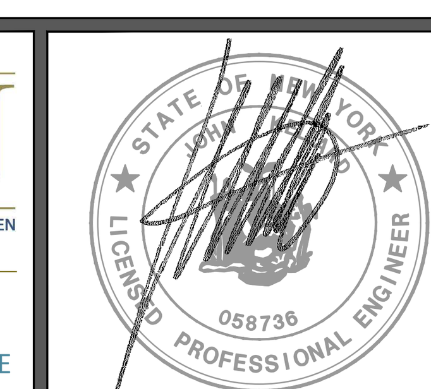

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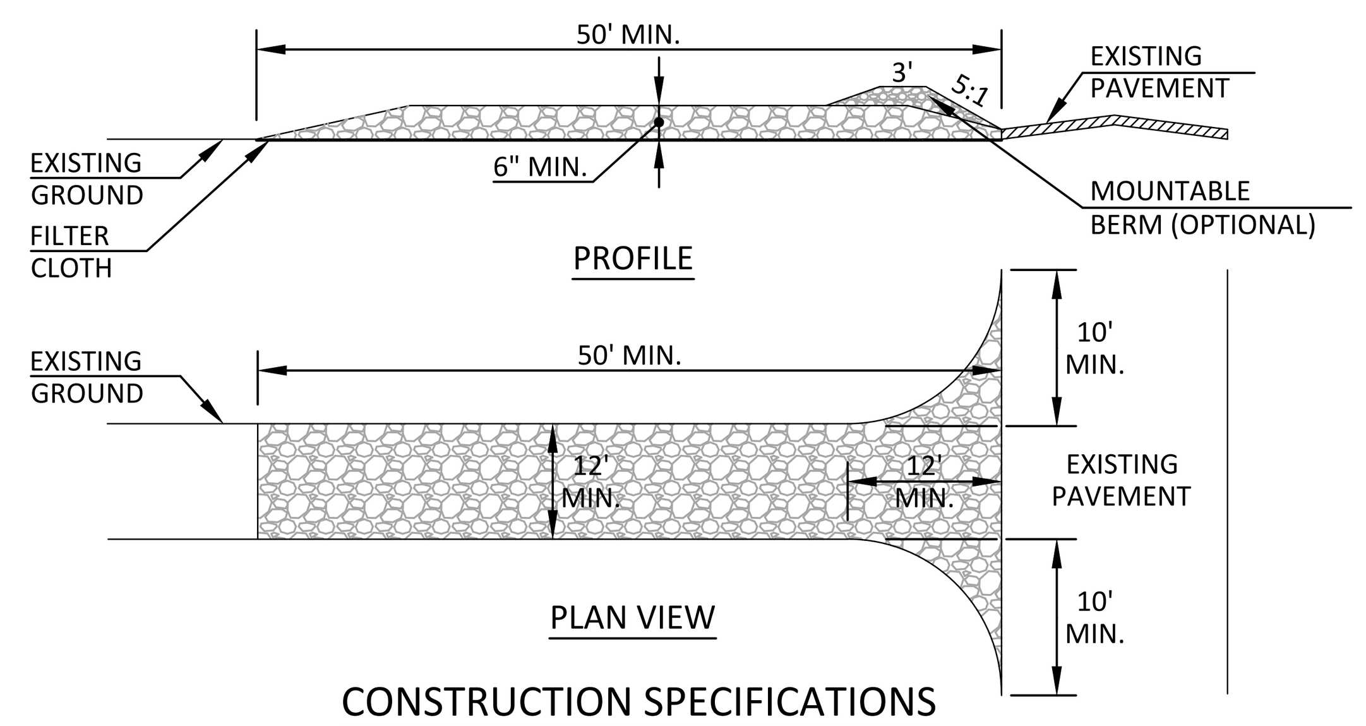
2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
1.	REVISION 1 - 03/18/2024

C-203

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

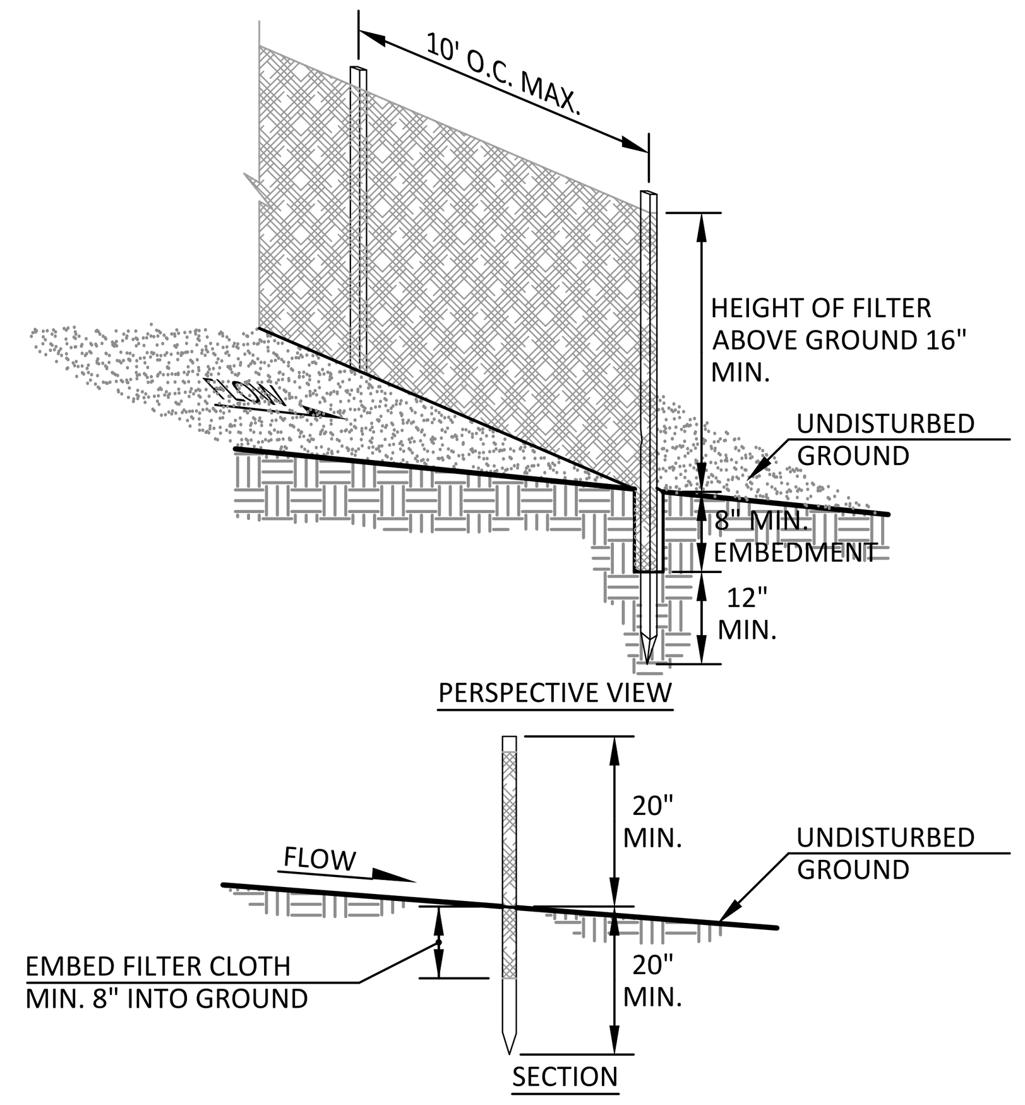
STABILIZED CONSTRUCTION ENTRANCE DETAIL (N.T.S.)



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON-STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SILT FENCE DETAIL (N.T.S.)



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

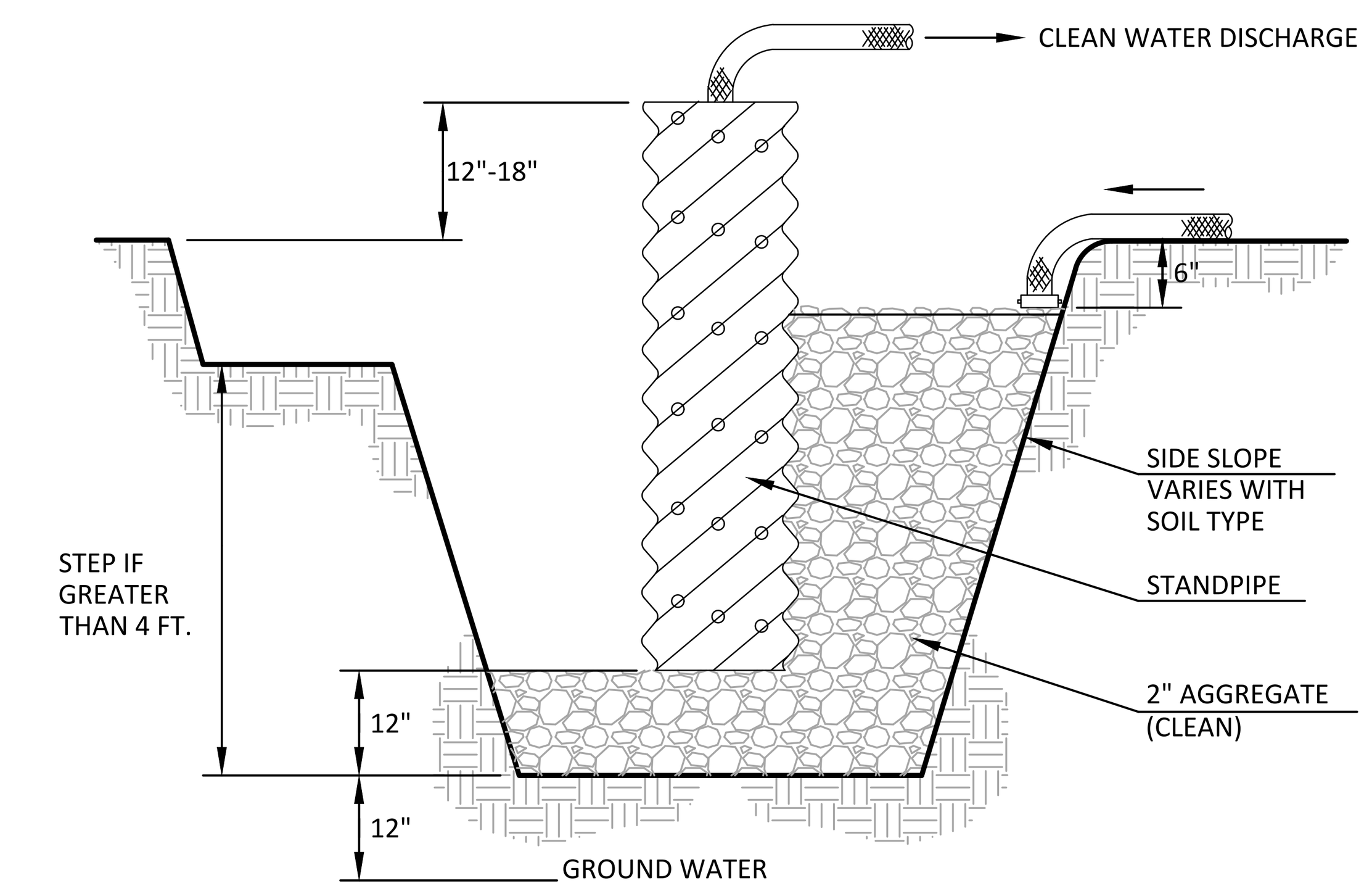
1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

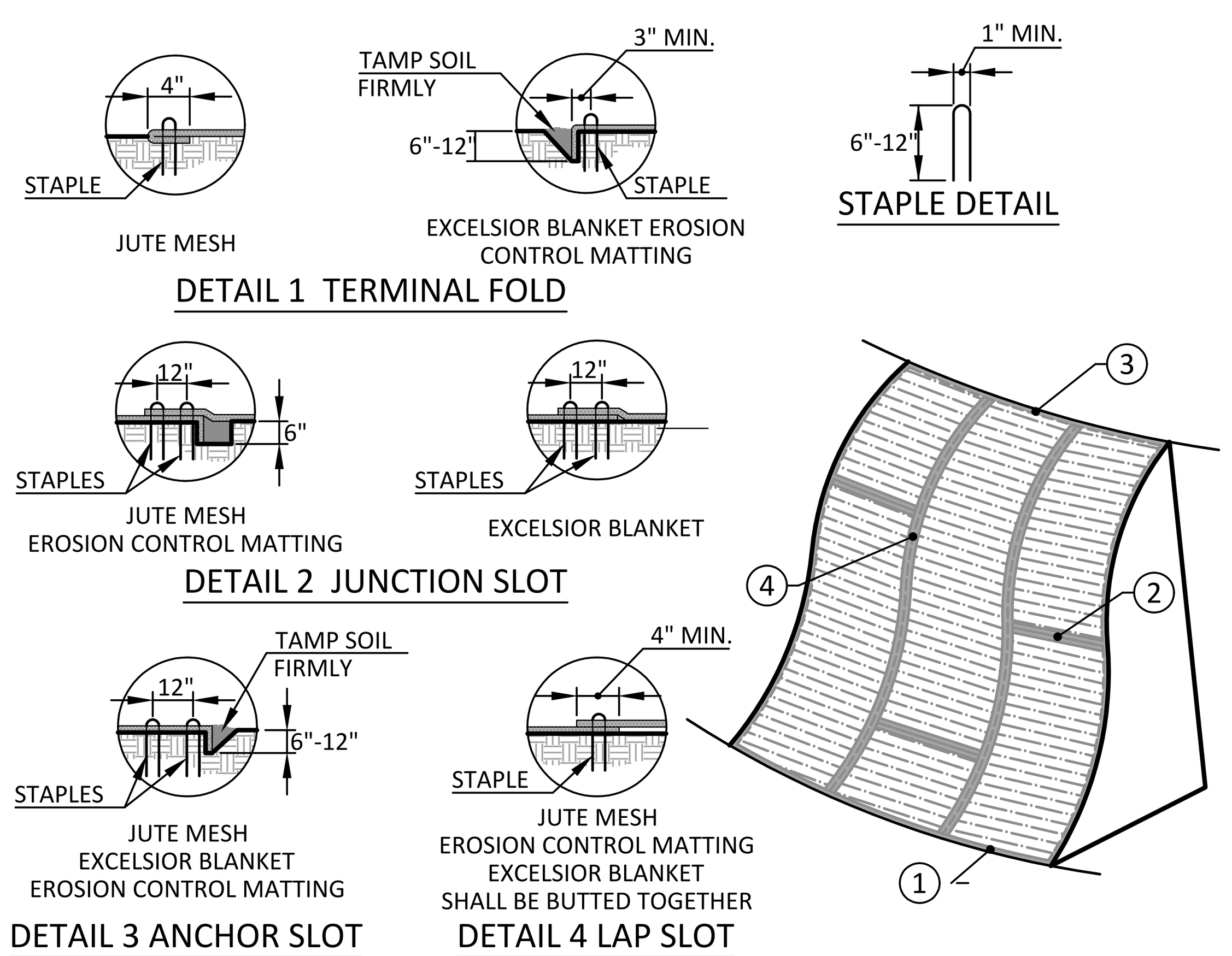
DEWATERING PIT DETAIL (N.T.S.)



INSTALLATION NOTES

1. PIT DIMENSIONS ARE VARIABLE.
2. THE STANDPIPE SHOULD BE A PERFORATED 12" TO 24" DIAMETER CORRUGATED METAL, PVC, OR HDPR PIPE.
3. A BASE OF 2" CLEAN AGGREGATE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD THEN BE BACKFILLED WITH 2" AGGREGATE.
4. THE STANDPIPE SHOULD EXTEND 12" - 18" ABOVE THE LIP OF THE PIT.
5. IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE SHOULD BE WRAPPED WITH FILTER FABRIC BEFORE INSTALLATION. IF DESIRED, 1/4"-1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE, PRIOR TO ATTACHING THE FILTER FABRIC, THIS WILL INCREASE THE RATE OF WATER SEEPAGE INTO THE PIPE.

EROSION CONTROL BLANKET DETAIL (N.T.S.)

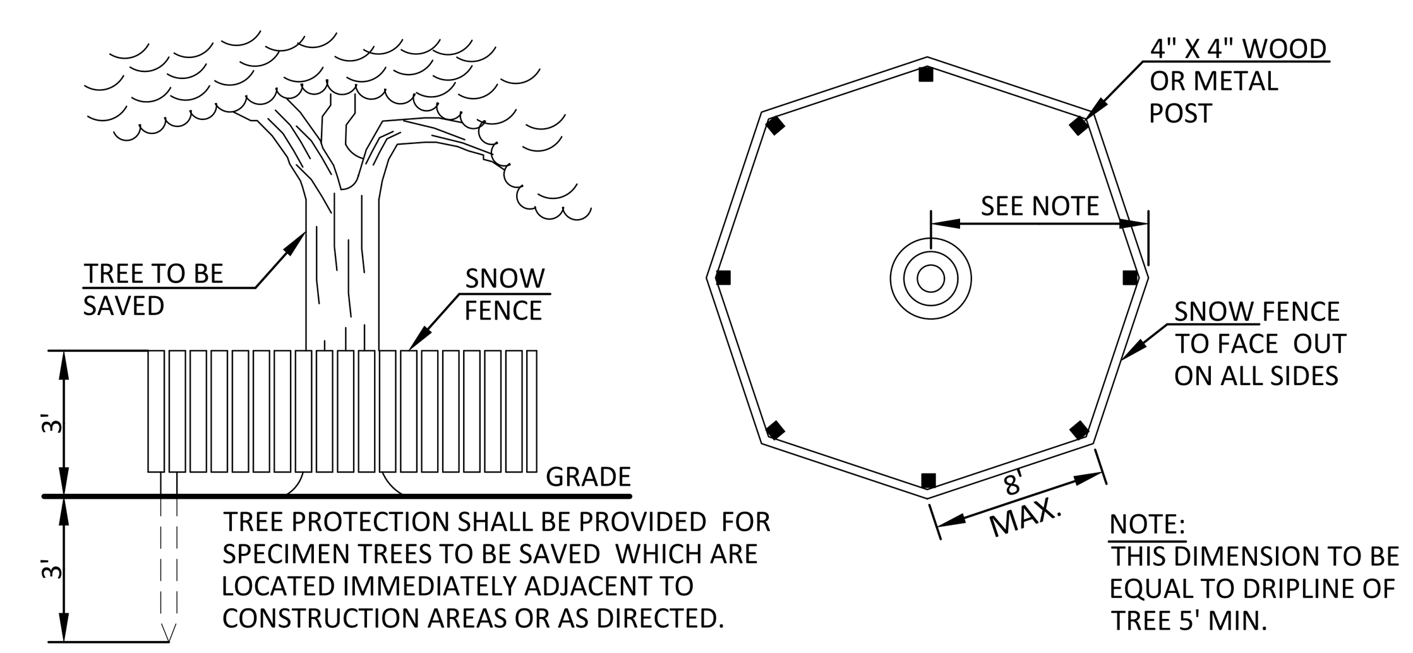


CONSTRUCTION SPECIFICATIONS

1. APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME AND SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4' X 225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

*Curlex® I BLANKETS BY AMERICAN EXCELSIOR COMPANY OR APPROVED EQUAL. PRODUCTS SHALL BE BIODEGRADABLE.

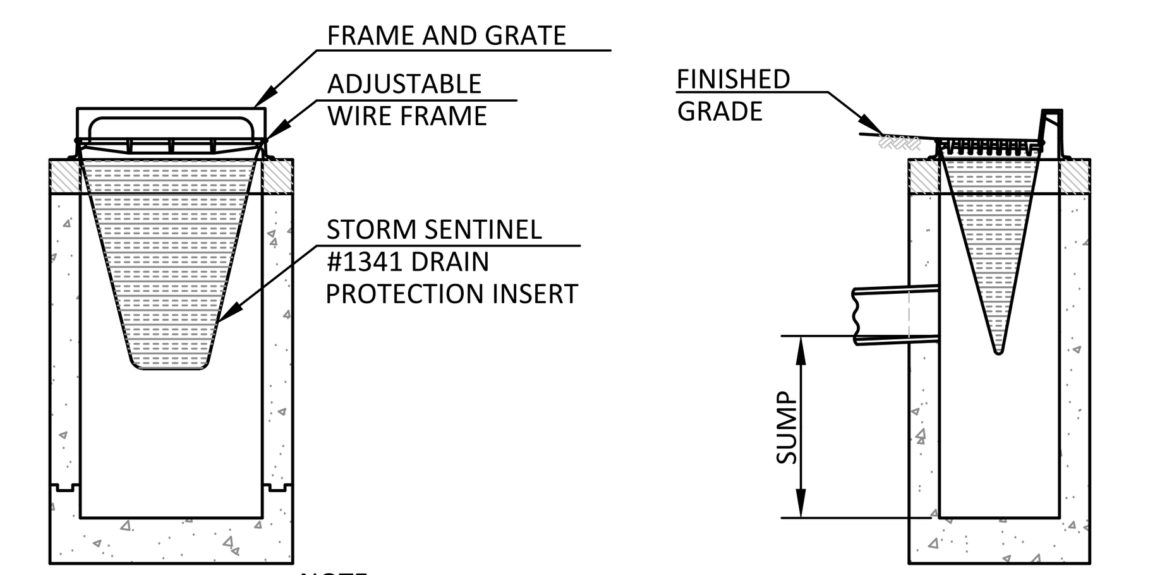
TREE PROTECTION DETAIL (N.T.S.)



TREE PROTECTION SHALL BE PROVIDED FOR SPECIMEN TREES TO BE SAVED WHICH ARE LOCATED IMMEDIATELY ADJACENT TO CONSTRUCTION AREAS OR AS DIRECTED.

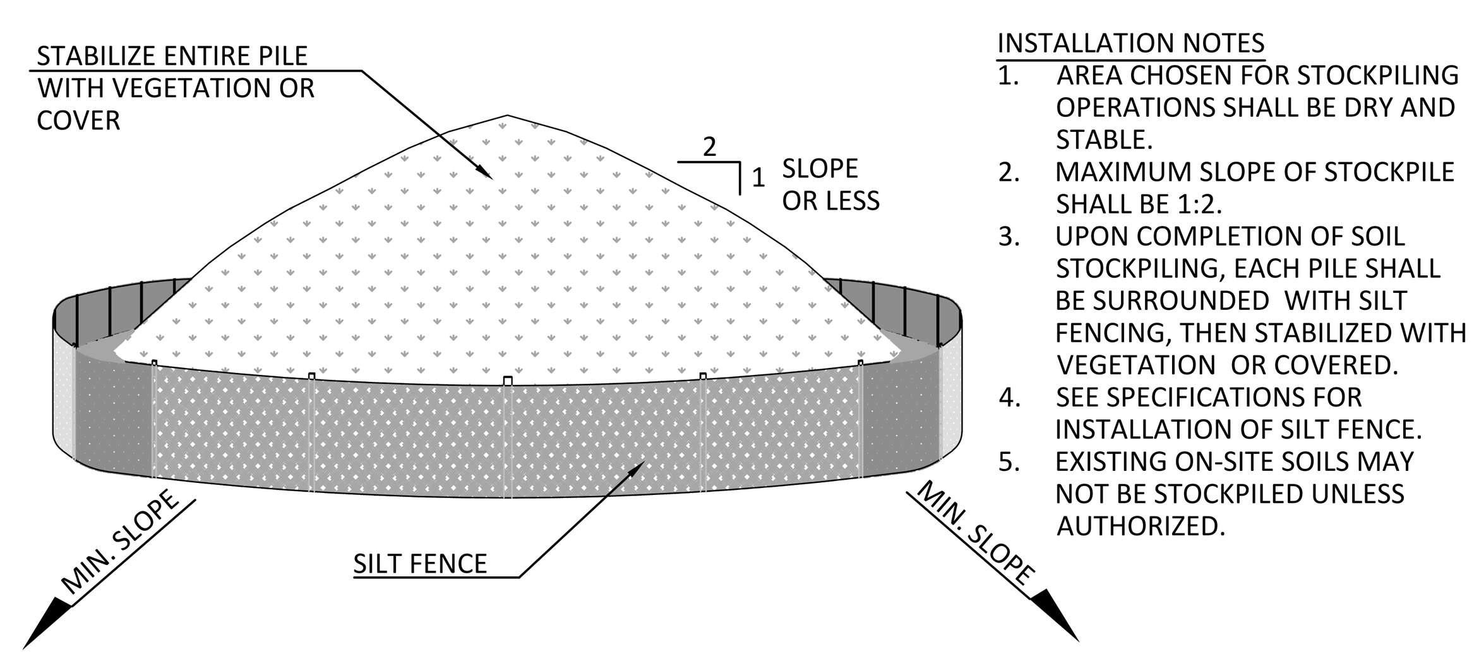
NOTE: THIS DIMENSION TO BE EQUAL TO DRIPLINE OF TREE 5' MIN.

CATCH BASIN FILTERS - INLET PROTECTION DETAIL (N.T.S.)



NOTE: INSERTS TO BE MODEL # 1341 ADJUSTABLE CATCH BASIN INSERTS BY ENPAC OR APPROVED EQUAL.

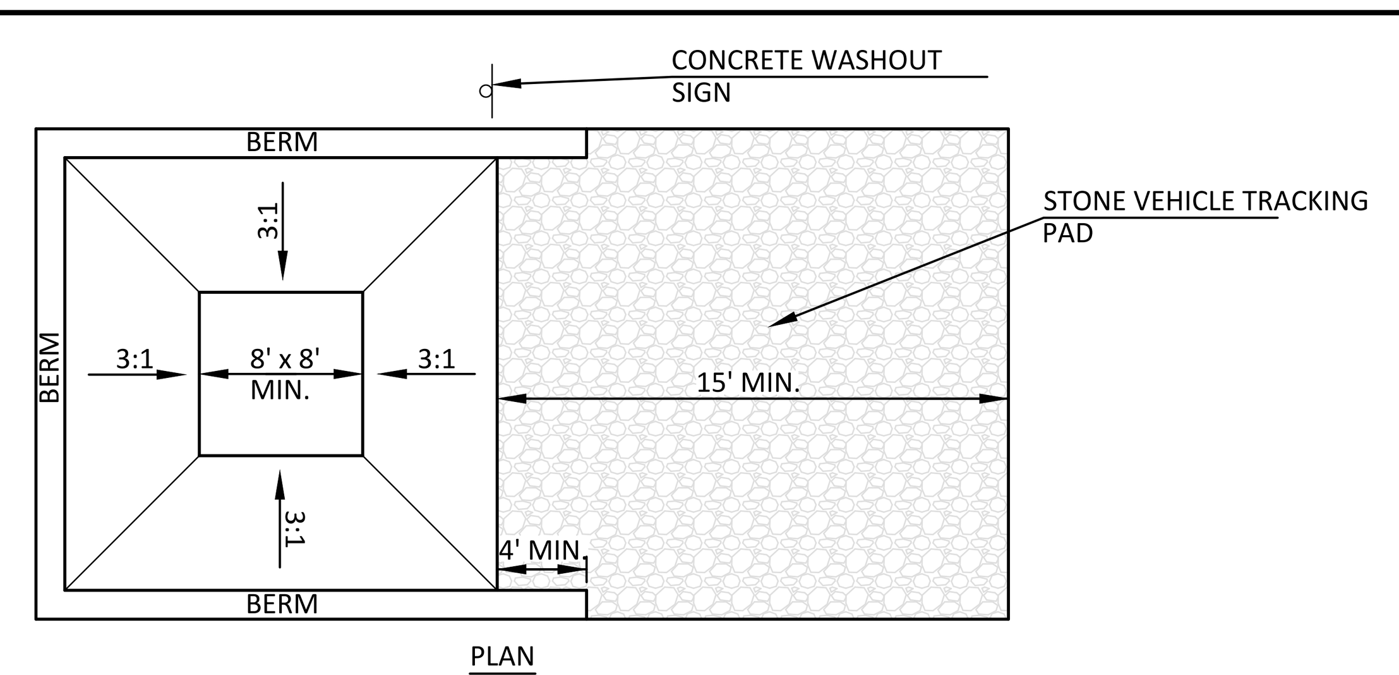
TEMPORARY SOIL STOCKPILE DETAIL (N.T.S.)

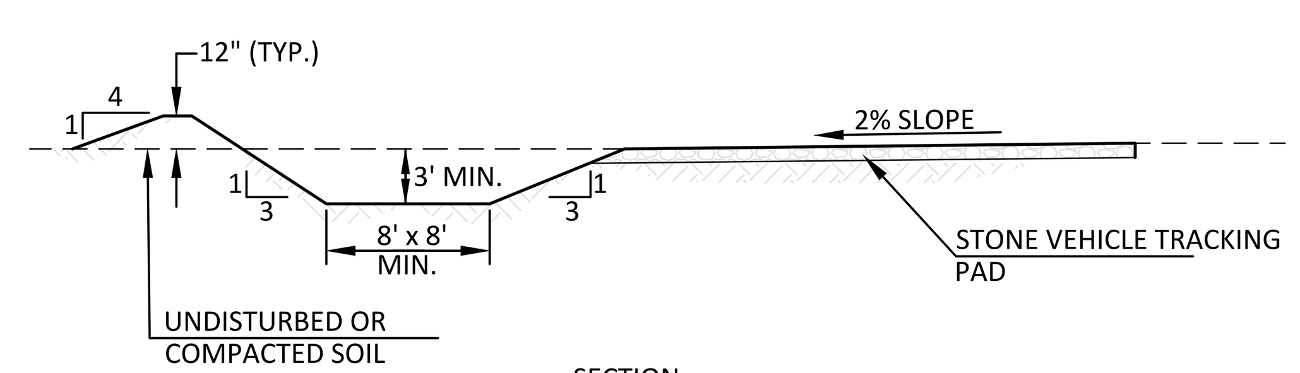


INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
5. EXISTING ON-SITE SOILS MAY NOT BE STOCKPILED UNLESS AUTHORIZED.

CONCRETE WASHOUT AREA DETAIL (N.T.S.)





NOTES:

1. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
2. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.
3. LOCATION TO BE APPROVED BY ENGINEER.

EROSION & SEDIMENT CONTROL DETAILS

POUND RIDGE FIRE DISTRICT

TOWN OF POUND RIDGE — WESTCHESTER COUNTY, NEW YORK

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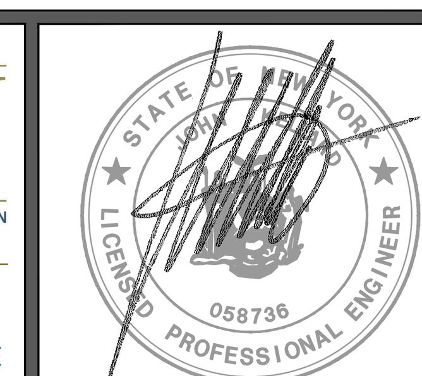

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2.	REVISION 2 - 06/11/2024: CONSTRUCTION DOCUMENTS
1.	REVISION 1 - 03/18/2024

C-204

PROJECT I.D.: PRPOUNDRIDGEFIRE500

DATE: FEBRUARY 2, 2024

General Notes:

1 The purpose of these drawings is to show the structural work associated with Pound Ridge Fire Department located at 80 Westchester Ave. Pound Ridge, NY.

2 The work shown on these drawings has been designed in accordance with the structural requirements of the 2020 edition of the Building Code of New York State.

3 The structural components have been designed for the following loads:

A. Uniform live load:

Fire truck garage bay	150 psf
Offices	50 psf
Mezzanine	125 psf

B. Roof loads:

Snow:	
Ground snow load, p_g	45 psf
Flat roof snow load, p_f	34.3 psf (Apparatus Garage) 37.8 psf (Kitchen/Office Add'n.)
Exposure factor, C_e	1.0
Importance factor, I_s	1.2
Thermal factor, C_t	1.0
Rain loads: in accordance with Section 1611	
Rainfall intensity (100-year 15-minute interval), i	6.00 in./hr
Roof live load:	20 psf

C. Wind design data:

Wind loads have been determined based on Section 1609.1.1 in accordance with ASCE 7-16, Chapters 26, 27, 29 and 30, Directional Procedure

Basic Design Wind Speed (3-second gust): V	130 mph
Allowable Stress Design Wind Speed, Vasd	100.7 mph
Risk category	IV
Wind Exposure	B
Internal pressure coefficient	0.18
"a" dimension for use with components and cladding	5 ft

Design wind pressure (Nominal design wind pressures) for components and cladding on building walls (use Zone 4 generally; use Zone 5 within "a" of building wall corners):

	Surface pressure (psf)			
Area	10 sq.ft	20 sq. ft.	50 sq. ft.	100 sq. ft.
Negative Zone 4	-18.1	-17.3	-16.4	-15.6
Negative Zone 5	-22.3	-20.8	-18.8	-17.3
Positive Zones 4 & 5	16.7	16.0	15.0	14.2

Design wind pressure (Nominal design wind pressures) for components and cladding on building roofs (for locations of zones 1, 2 and 3, refer to building code):

	Surface pressure (psf)			
Area	10 sq.ft	20 sq. ft.	50 sq. ft.	100 sq.ft.
Negative Zone 1	-29.1	-27.1	-24.6	-22.7
Negative Zone 1'	-16.7	-16.7	-16.7	-16.7
Negative Zone 2	-38.3	-35.9	-32.6	-30.1
Negative Zone 3	-52.2	-47.3	-40.8	-35.9
Positive all zones	10.0	10.0	10.0	10.0
Overhang Zones 1 & 1'	-26.3	-25.8	-25.2	-24.7
Overhang Zone 2	-35.6	-32.3	-27.9	-24.6
Overhang Zone 3	-49.5	-43.7	-36.1	-30.4

D. Earthquake design data:

Risk category	IV
Seismic importance factor, I_e:	1.50
Mapped short period spectral response accelerations, S_s:	0.259g
Mapped 1 second period spectral response accelerations, S_1:	0.059g
Site class:	C
Design short period spectral response accelerations, S_{DS}:	0.225g
Design 1 second period spectral response accelerations, S_{D1}:	0.059g
Seismic design category:	C
Seismic force resisting system: Structural steel systems not specifically designed for seismic resistance	
Design base shear:	9 KIPS
Seismic response coefficient, C_s:	0.112
Response modification factor, R:	3
Deflection amplification factor, C_d:	3
Analysis procedure: Equivalent Lateral Force	

E. Other loads:

Concentrated loads:	
Fire truck wheel load	13,500 lbs
Fire truck max vehicle load	77,000 lbs

F. Special loads:

Retaining walls	
Lateral equivalent fluid pressure	43 pcf
Seismic load (h = height of wall)	5.5 h^2
Vertical live load surcharge	100 psf

G. Guardrails (load applied in any direction):

Top rail concentrated	200 lbs
or	
Top rail uniform load	50 plf
Intermediate rail concentrated load	50 lbs

4 This structure has been designed to be self-supporting and stable after the work shown on these drawings has been completed. The stability of the structure prior to completion is solely the responsibility of the contractor. This responsibility extends to all related aspects of the construction activity including, but not limited to, erection methods, erection sequence, temporary bracing, forms, shoring, use of equipment, and similar construction procedures. Review of the construction by the engineer is for conformance with design aspects only, not to review the contractor's construction procedures. Lack of comment on the part of the engineer with regard to construction procedures is not to be interpreted as approval of those procedures.

5 This structure utilizes steel moment frames to provide lateral stability. Therefore, temporary bracing, guys, etc., must be maintained until all moment frames have been erected.

6 Jobsite safety and construction procedures are solely the responsibility of the contractor. Review of the construction by the engineer is for conformance with design aspects only, not to review the contractor's provisions for job site safety. Lack of comment by the engineer is not to be interpreted as approval of those aspects of work.

7 PDF digital files of all erection and detail shop drawings for steel reinforcing bars (concrete and concrete -masonry construction), structural steel, cold-formed metal framing (wall framing), and steel deck, indicating the fabricator, manufacturer, finish, layout, and all accessories, must be submitted to and be checked by the contractor and subcontractor and bear the checker's initials before submission to the architect for review prior to fabrication. Fabrication and/or delivery to the site of components prior to receiving approved shop drawings shall be at the fabricator's own risk.

8 Deferred submittals: Deferred submittals are those portions of the design that are not submitted at the time of application and are to be submitted to the building official within a specified period. The following deferred submittals shall be submitted to the engineer for approval.

A. Cold-formed metal framing

After approval by the engineer, the deferred submittal documents shall be submitted to the building official for approval. Deferred submittal items shall not be installed until the deferred submittal documents have been approved by the building official.

9 Testing and inspection of concrete, steel reinforcing bars (concrete and concrete masonry construction), concrete masonry, structural steel, steel deck, cold-formed metal framing, and other work are described in the **project "**Statement of Special Inspections". The contractor shall review the "Statement of Special Inspections" and coordinate the scheduling of inspections with the special inspector. Uninspected work that required inspections may be rejected solely on that basis.

10 If faulty construction procedures, or material, result in defective work that requires additional engineering time to devise corrective measures, professional fees may be charged to the contractor at the standard hourly rate of additional services. Such fees may be withheld from the general contractor's payment.

11 Loads, openings and structure in any way related to requirements of other (non-structural) disciplines are shown for bidding purposes only. However, these plans do not show the full scope of openings, in roofs, floors and walls. For size and location of all openings, see architectural and mechanical drawings. Do not scale openings. The contractor shall obtain from the heating and ventilating, electrical, plumbing and other trades the final approved size and location of all openings, equipment and work to be provided for their trade for roofs, floors and walls, whether shown or not shown on structural drawings. Excess cost related to variation in requirements or equipment are not to be borne by the owner.

12 For any mechanical equipment weights used in design of supporting elements that are indicated on the drawings. Contractor shall notify the architect prior to installation of equipment if actual weight exceeds weight shown on drawings.

13 The contractor shall verify all dimensions, elevations and angles with architectural drawings and existing conditions before proceeding with any work.

14 The contractor shall field verify existing conditions before proceeding with any work. The contractor shall field verify all dimensions noted "±" that are indicated on the drawings.

15 The contractor and subcontractors shall obtain the latest copies of approved plans and surveys and they shall familiarize themselves thoroughly with these plans before commencing any work.

16 These drawings are supplemented by a detailed technical specification. The notes shown under certain categories of work are intended to summarize basic requirements.

17 Work shown as "Typical Details" apply throughout the project as required. Work shown as "Sections" shall be considered to apply for the same and similar conditions in the building.

18 Some details of the work are shown on the architectural drawings. A careful review and study of these details are necessary before the full scope of the work can be comprehended.

19 Do not scale drawings.

Codes and Standards References

1 Concrete:
Concrete work shall conform to all the requirements of ACI 301-10, "Specifications for Structural Concrete in Buildings" and ACI 318-14, "Building Code Requirements for Structural Concrete".

2 Concrete masonry:
Concrete masonry work shall conform to the requirements of "Building Code Requirements for Masonry Structures, TMS 402-13" and "Specifications for Masonry Structures, TMS 602-13".

3 Structural steel:
Design, fabrication and erection of structural steel shall conform to the AISC 360-16 "Specification for Structural Steel for Buildings" as adopted on July 7, 2016, by the American Institute of Steel Construction (AISC) and the 15th Edition of the AISC Steel Construction Manual.

4 Steel deck:
Design, fabrication and erection of steel deck shall conform to the SDI NC-2010 "Standard for Noncomposite Steel Floor Deck", SDI RD-2010 "Standard for Steel Roof Deck", SDI C-2011 "Standard for Composite Steel Floor Deck - Slabs".

5 Cold formed metal framing:
Design, fabrication and erection of cold-formed metal framing shall conform to the American Iron and Steel Institute's AISI S100-16"Specification for the Design of Cold-formed Steel Structural Members", 2016.

Foundation notes:

1 Recommendations for the site preparation and earthwork within the perimeter of the proposed new structure, preparation of soil bearing surfaces, material specification and placement of structural backfill for support of foundations and slabs-on-grade, and drainage are stated in the geotechnical engineering report prepared for this project by Carlin-Simpson and Associates and dated November 16, 2023. The geotechnical report is a reference document, not a contract document, and the design team is not responsible or liable for the accuracy of the information contained in the report.

2 The foundations have been designed to rest on inorganic, undisturbed soil or compacted granular fill having a bearing value of 4000 psf as recommended in the geotechnical engineering report referenced above. Such bearing strata are anticipated at the bottom of footing elevations noted on the foundation plan. All bearing strata shall be reviewed by the geotechnical engineer prior to placing concrete in order to verify the bearing value.

3 The slab-on-grade sub-base shall be a crusher run stone free from soft disintegrated pieces, mud, dirt, or other injurious material. The material shall have no stone greater than 2 inches in any one dimension and with less than 10 percent by weight passing a No.100 sieve.

4 The bottom of exterior footings not on solid rock shall be at least 3' - 6" below finished grade.

5 All soil surrounding and under footings shall be protected from freezing and frost action during the course of construction.

6 Step footings where elevations change at a maximum slope of one vertical on two horizontal and place lower footings first.

7 Foundation basement walls shall not be backfilled before they are temporarily braced or before the concrete has attained its specified compressive strength and the framed floor system at the top of the wall is in place.

8 Foundation frost walls shall be backfilled by placing fill on both sides simultaneously and to the same level.

9 Minimum anchor bolt requirements for attachment of superstructure to foundation shall be 3/4" diameter at 4'-0" o.c. spacing for full height basements and 1/2" diameter at 6'-0" o.c. spacing for crawl spaces and slabs on grade. Embed anchor bolts a minimum of 15" into masonry, and 7" into cast concrete. Anchor bolts are to be placed within 1'-0" of all corners on all exterior walls. All pieces of sill plate shall have a minimum of two anchor bolts.

10 Keep foundation excavations free of water at all times.

11 Use crushed stone backfill or controlled compacted fill or lean concrete (f'c=1500 psi) for over-excavation of footings.

12 Existing utilities: locate existing underground utilities in areas of excavation work. Provide adequate means of support and protection during earthwork operations.

13 Where footings are in close proximity to sub-surface piping bottom of footings shall be at least 8" below elevation of piping unless otherwise shown on the drawings.

14 Filter fabrics/geotextile fabrics: where indicated on the drawings, provide a filtration type geotextile between crushed stone and the surrounding soil. Fabric shall be TenCate Mirafi 140N or Propex Geotex 401.

15 Submittals to the engineer are required for structural fill.

Concrete Notes:

1 All concrete work shall conform to all the requirements of ACI 301, "Specifications for Structural Concrete in Buildings" and ACI 318 "Building Code Requirements for Structural Concrete", indicated in the code reference section of these general notes.

2 Concrete shall be the specified weight and develop a minimum compressive strength in 28 days as follows:

Location	Weight	Minimum Strength	Maximum W/C Ratio (or slump where indicated)
Footings	Normal	3,000 psi	0.55
Walls and piers:			
Interior	Normal	3,000 psi	0.55
Exterior	Normal	4,000 psi	0.45
Exterior exposed	Normal	5,000 psi	0.40
Slabs-on-grade -interior	Normal	4,000 psi	0.45
Slabs-on-grade -exterior	Normal	5,000 psi	0.40
Slabs-on-metal-deck	Normal	4,000 psi	Slump: 4" +/- 1"
Elevated slabs – interior	Normal	3,500 psi	Slump: 4" +/- 1

3 Concrete mix design for slabs shall contain "Barrier-1" admixture at 14 oz per 100 lbs of cementitious material. Contact manufacturer for additional requirements for using this product. Consult with Owner to use "Barrier-1".

4 All detailing fabrication, and erection of reinforcing bars, unless otherwise noted, must follow the latest ACI code and the latest ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures".

5 Concrete design mix will be submitted to the engineer for review, together with laboratory reports attesting that the mixes can attain the minimum strength required in accordance with ACI 301 indicated above.

6 Portland cement shall be Type I or Type II and conform to ASTM C 150.

7 Other cementitious material such as flyash, ground granulated blast- furnace slag, or ground glass pozzolan may be blended with cement for use in the concrete mix. Flyash shall conform to ASTM C 618 and may replace cement in the following ranges for the 2 classes of flyash; Class C, 20 to 35%; Class F, 15 to 25%. Ground granulated blast- furnace slag shall conform to ASTM C 989 and may not exceed 50% of total weight of cementitious materials. Ground glass pozzolan shall conform to ASTM C 1886 and may replace cement in the range of 15% to 50% by weight.

8 For normal weight concrete: coarse aggregate shall be 3/4" and conform to ASTM C 33. Fine aggregate shall be manufactured or natural sand from the same source for the entire project and shall conform to ASTM C 33.

9 No admixtures are permitted without the engineer's written permission other than entrained air. Concrete exposed to the weather, such as that used in foundation walls, shall contain 5% +/- 1 1/2% entrained air. Concrete exposed to the weather and to de-icing compounds shall contain 6% +/- 1 1/2% entrained air. Do not use air entrainment admixture for interior normal weight concrete slabs.

10 Limit water-soluble, chloride-ion content in hardened concrete to the following percent by weight of cement: 1.00 for reinforced concrete that will be dry and protected from moisture, 0.30 for reinforced concrete that will exposed to moisture but not exposed to chlorides, 0.15 for reinforced concrete exposed to moisture and chlorides from deicing chemicals and salt/seawater, and 0.06 for prestressed (post-tensioned) concrete.

11 Reinforcing steel shall conform to ASTM A 615, Grade 60.

12 Welded wire fabric shall conform to ASTM A 1064 with a minimum yield strength of 65 ksi. Lap one mesh size at sides and ends, and wire together.

13 Vapor retarder shall be Stego Wrap (15 mil) vapor retarder by Stego Industries LLC and shall have a water vapor permeance after conditioning (ASTM E 1745, Paragraphs 7.1.2 – 7.1.5) that is less than 0.01 perms and meets the requirements of Class A. Place as per ASTM E 1643 and manufacturer's written instructions.

14 The following concrete cover shall be provided for reinforcement:

Location	Cover (inches)
Concrete cast against and Permanently exposed to earth	3
Concrete exposed to earth or weather:	
#6 through #18 bars	2
#5 bar and smaller	1 1/2
Concrete not exposed to weather or in contact with ground:	
Slabs, walls, joists:	
#14 and #18 bars	1 1/2
#11 bar and smaller	3/4
Beams, columns	
Primary reinforcement, ties, stirrups, spirals	1 1/2

15 The conveyance, placement and protection of the concrete shall conform to the requirements of ACI 318, indicated above, and ACI 304R, "Guide for Measuring, Mixing, Transporting and Placing Concrete". Mechanical vibrators are to be used to consolidate the freshly cast concrete around the reinforcing and against form surfaces and to prevent the formation of air or stone pockets, honeycombing, pitting or planes of weakness. However, care must be used to avoid over vibration that can lead to aggregate segregation.

16 No welding of reinforcing will be permitted.

17 All lap splices shall be Class B, in accordance with ACI 318 indicated above.

18 Concrete piers: Place concrete piers and walls together. Set pier reinforcing and set wall reinforcing through pier vertical bars. Provide dowels with standard hook from footing at all piers. Size and quantity of dowels to match vertical pier reinforcing (Class "B" splice).

19 The contractor shall be responsible for limiting pours to minimize shrinkage cracking. In general, walls shall not be poured in continuous lengths exceeding 30 feet without providing construction joints or control joints. The location and configuration of joints exposed to view shall be coordinated with the architect.

20 Finish elevated floor slabs flat and level within a tolerance of +/- 1 /4 inches to the elevation indicated on the drawings. Provide additional concrete required due to formwork and floor framing deflection to achieve this finished top of slab elevation. The anticipated deflection for both beams and girders is 1 1/4". Design of floor framing members includes the additional concrete for this anticipated deflection.

21 The installation of slabs shall conform to the requirements of ACI 302.1R, "Guide to Concrete Floor and Slab Construction". Interior finish slab surfaces are to have a steel trowel finish. Surfaces of slabs forming the substrate for mud jobs are to have a clean textured (scratched) surface. Exterior slab surfaces are to have a broom finish unless specified on the architectural drawings.

22 Expansion and isolation-joints:
Filler strips: ASTM D 1751, asphalt-saturated cellulosic fiber or ASTM D 1752, cork or self expanding cork
Sealant at top of joint: Sika's Sikaflex 2c SL poly urethane elastomeric sealant. Provide cap to separate sealant from filler.

23 Waterstops: Flexible polyvinyl chloride (PVC) waterstop conforming to Corp of Engineers Specification CRD-C 572, with flat dumbbell and center bulb.

24 The curing and protection of concrete shall conform to the requirements of ACI 318 and ACI 308R, "Guide to Curing Concrete". Concrete slabs shall be protected from loss of surface moisture for not less than 7 days using a curing compound conforming to ASTM C 309 or constantly wetted burlap. Curing compounds shall be compatible with any intended flooring overlay. Do not install finish flooring until slab has adequately dried per the flooring manufacturer's specifications.

25 Cold weather concrete placement: If cold weather concreting conditions exist as defined by a period of more than three days when the average outdoor temperature, (high + low)/2, is less than 40 deg. F. the procedures outlined in ACI 306.1, "Standard Specification for Cold Weather Concreting" and ACI 306R, "Guide to Cold Weather Concreting" shall be utilized.

26 Hot weather concrete placement: Maintain concrete temperature below 90 deg. F. at time of placement and comply with ACI 301 and ACI 305R, "Guide to Hot Weather Concreting".

27 Accurately position, support, and secure reinforcement and anchors against displacement. Locate and support reinforcement with bar supports to maintain minimum concrete cover. Do not tack weld crossing reinforcing bars. Provide bar supports as follows:

A. Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded wire reinforcement in place. Do not "wet stick" reinforcement or anchors. Manufacture bar supports from steel wire, plastic, or precast concrete according to CRSI's "Manual of Standard Practice," of greater compressive strength than concrete.

28 Sizes and locations of all required embedded items, such as anchor bolts, piping sleeves, etc., for all trades shall be coordinated by the general contractor with other trades.

29 Submittals to the engineer are required for concrete mix designs, cement, reinforcing bars, admixtures, and aggregates. as specified in Specification Section 03300.

Concrete Masonry Notes:

1 All concrete masonry work shall conform to the requirements of the "Building Code Requirements for Masonry Structures,TMS 402" and the "Specifications for Masonry Structures, TMS 602, indicated in the code reference section of these general notes.

2 The compressive masonry strength, f'm, shall be 1,900 psi minimum. System components have been selected based on the unit strength method.

3 Concrete block shall be lightweight hollow load bearing masonry units conforming to ASTM C 90, with a minimum ultimate compressive strength of 1,900 psi on the net area of the units. Units shall be protected from moisture absorption.

4 Portland cement used in the mortar and grout shall conform to ASTM C 150. **Masonry cement or mortar cement shall not be used.**

5 Mortar shall be Type S conforming to the volumetric proportions set forth in ASTM C 270. Use 1 part Portland cement; 0.25 to 0.5 parts hydrated lime or lime putty; and aggregate proportioned to 2.25 to 3 times the sum of the separate volumes of cementitious materials (i.e. Portland cement plus lime). Provide aggregate in loose, damp condition. Add water to produce a workable mix.

6 Coarse grout used in pilasters and walls shall conform to the volumetric proportions set forth in ASTM C 476. Use one part Portland cement, 2.25 to 3 parts damp, loose sand, 1 to 2 parts 3/8" pea gravel. Add water to produce a flowable mix with an 8 to 11 inch slump.
Alternatively, fine grout may be used that conforms to the volumetric proportions set forth in ASTM C 476 using one part Portland cement, 2.25 to 3 parts damp loose sand and adding water to produce a flowable mix with an 8 to 11 inch slump.

7 Steel reinforcing bars shall conform to ASTM A 615, Grade 60. Reinforcing bars to be lapped 48 bar diameters at splices. Reinforcement to be secured against displacement at spacing not exceeding 200 bar diameters.

8 Joint (horizontal) reinforcement shall be hot-dipped galvanized W1.7 (9 gage) steel wire, ASTM A 951 with ASTM A 153 Class B-2 coating, Ladder type, by Hohmann & Barnard, Inc., or an approved equal. Place joint reinforcing in every second course (16"o.c.). Joint reinforcement shall be lapped 6 inches at splices.

9 Place units while mortar is soft and plastic. Remove and relay in fresh mortar any unit disturbed to the extent that initial bond is broken after initial positioning.

10 Fully bed units in all shear walls including cross webs.

11 All cells with reinforcing bars or bolts shall be grouted solid.

12 Vertical cells to be grouted solid shall have a minimum clear opening of 3"x2-1/2". The entire perimeter of the cell shall be fully bedded with mortar.

13 Consolidate grout pours exceeding 12 inches in height by mechanical vibration and reconsolidate by mechanical vibration after initial water absorption and settlement has occurred. Grout pours exceeding 5.33 feet are high lift pours and shall require cleanouts. High lift grouting shall not be used unless high lift grout procedures are submitted to the engineer for review and approved by the engineer.

14 The structural plans do not show the full extent of masonry lintels that may be required for doors, windows, ducts, louvers, etc. For those openings that require masonry lintels and are not shown on the structural plans, see architectural drawings for location and size of openings. Do not scale openings. For masonry lintel size for corresponding masonry opening size, see "Typical Masonry Lintels in Non-Load Bearing Walls Detail". Note, if architectural drawings do not indicate a masonry lintel for a particular opening, then provide a steel lintel as per lintel notes, unless otherwise directed by the engineer.

15 Masonry opening lintels have been designed on the basis of arching action of the completed wall. Lintels require temporary support until the mortar has achieved the specified strength.

16 Cover the tops of all masonry construction to protect against precipitation.

17 Masonry shall not be constructed in temperatures below 40 F. Provide a heat source and protection as required to maintain temperature above 40 F in accordance with ACI 530.1.

18 Hot weather construction techniques shall be in accordance with ACI 530.1 and shall be implemented when the ambient air temperature exceeds 100 F, or 90 F if the wind speed exceeds 8 mph.

19 Unless otherwise shown on architectural or structural drawings provide vertical control joints through concrete masonry unit walls for full wall height as follows:

- A Distance between joints should not exceed the lesser of length to height ratio of 1.5, or 25 feet
- B At changes in wall height
- C At changes in wall thickness – including pipe and duct chases and pilasters
- D At and above expansion joints in foundations and floors
- E At and below expansion joints in roofs and floors that bear on the wall
- F For openings, do not locate control joints within 32 inches of openings
- G Adjacent to corners of walls or at wall intersections within a distance equal to half the control joint spacing.

20 Submittals to the engineer are required for certificates of compliance for block grade and strength, grout, mortar, and reinforcing bars prior to delivery to the site.

Connections to Existing Masonry or Hardened Concrete:

1 All proprietary anchoring systems (expansion, adhesive anchoring systems, etc.) to be installed into hardened concrete and masonry elements are to be installed in strict accordance with the manufacturer's instructions for drilling and preparation of holes, for spacing and edge distance requirements, and for the utilization of supplemental components for the anchoring systems such as screen tubes, doweling adhesives, etc.

2 For connections to hardened concrete [and masonry], contractor must locate the position of existing reinforcing bars with an R-meter or pilot holes prior to installation of anchors. Notify engineer of field conflicts prior to installation.

3 Connections to hardened concrete shall be made with anchors conforming to ACI 318, as specified in the code reference section of these general notes, for cracked concrete, and Chapter 19 of the state building code indicated at the beginning of these general notes.

A. Mechanical anchors shall be either

- i. Hilti "Kwik Bolt TZ" expansion anchor.
- ii. Hilti "Kwik HUS-EZ" screw anchor (use only in permanently dry, interior non-corrosive environments)
- iii. Simpson "Strong Bolt 2" expansion anchor
- iv. Simpson "Titen HD" screw ancho, zinc-plated or galvanized (use only in permanently dry, interior non-corrosive environments)
- v. Dewalt "Power-Stud + SD2" expansion anchor.
- vi. Dewalt "Power-Stud + SD4/SD6", Type 304/316 SS expansion anchor
- vii. Dewalt "Screw-Bolt+" screw anchor, zinc-plated or galvanized (use only in permanently dry, interior non-corrosive environments)

Size, embedment, spacing and edge distance of anchors shall be as indicated on the drawings.

B. Adhesive anchor rods or reinforcing bars shall be installed in rotary hammered drilled holes with carbide drill bits using one of the following adhesive anchoring systems:

- i. Hilti "HIT-HY 200 safe set adhesive anchoring system with Hilti "HAS" ASTM F1554, Grade 36 anchor rods.
- ii. Simpson "AT-XP" adhesive anchoring system for base material temperatures between 14 degrees and 80 degrees or Simpson "Set-3G" adhesive anchoring system for temperatures above 40 degrees, with Simpson "RFB" ASTM F1554 Grade 36 anchor rods.
- iii. Dewalt "AC200+" two part adhesive, cold temperature cure with ASTM F1554, Grade 36 anchor rods. Reinforcing bars shall conform to the requirements of the Concrete General Notes.
- iv. Reinforcing bars shall conform to the requirements of the Concrete General Notes.

Adhesive for reinforcing bars and anchors shall have been tested in accordance with ACI 355.4 "Qualification of Post-Installed Adhesive Anchors in Concrete" and ICC-ES (ICC Evaluation Service) "Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete Elements" (AC308) for cracked concrete and seismic applications.

Adhesive bond design strength is based upon concrete that has cured at least 21 days with a minimum compressive strength of 2,500 psi and an in-service temperature in accordance with ACI 355.4 Temperature Category B.

Installation method shall be in accordance with the Manufacturer's Printed Installation Instructions (MPII Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by the ACI/CRSI Adhesive Anchor Installer Certification program or equal.

Unless otherwise noted on the drawings, embed anchor rods and reinforcing bars into drilled holes a minimum of 9 anchor diameters, with a minimum edge distance of 4 inches, measured from the edge of the concrete to the centerline of the anchor/reinforcing bar. Increased embedment depths or edge distances may be required at certain locations, see plans and details.

4 Connections to grout filled concrete masonry shall be made with either 1) Hilti "HAS" ASTM F1554 Grade 36 anchor rods using Hilti "HIT HY270" masonry adhesive anchoring systems or 2) Simpson "RFB" ASTM F1554 Grade 36 anchor rods using Simpson "Set-XP" masonry adhesive anchoring system or 3) ASTM F1554 Grade 36 anchor rods using Dewalt AC100+ Gold masonry adhesive anchoring system.

A. Unless otherwise noted on the drawings, embed anchor rods into drilled holes a minimum of 9 anchor diameters, with a minimum edge distance of 4 measured from the edge of the masonry to the centerline of the anchor. Increased embedment depths or edge distances may be required at certain locations, see plans and details.

5 Connections to hollow concrete or clay brick masonry shall be made with either 1) Hilti "HAS" ASTM F1554 Grade 36 anchor rods using Hilti "HIT HY270" masonry adhesive anchoring system with "HIT-SC" composite screen tubes or 2) Simpson "RFB" ASTM F1554 Grade 36 anchor rods using Simpson "SET-XP" masonry adhesive anchoring system with Simpson "Opti-mesh" plastic screen tubes or 3) ASTM F1554 Grade 36 anchor rods using Dewalt AC100+ Gold masonry adhesive anchoring system with composite screen tubes.

A. For anchors in hollow concrete masonry, embed anchor rods into drilled holes a minimum of 2 inches, with a minimum edge distance of 4 inches, unless otherwise noted, measured from the edge of the masonry to the centerline of the anchor. Increased embedment depths or edge distances may be required at certain locations, see plans and details.

B. For anchors in hollow clay brick masonry, embed anchor rods into drilled holes a minimum of 3 1/2 inches, with a minimum edge distance of 4 inches, unless otherwise noted, measured from the edge of the masonry to the centerline of the anchor. Increased embedment depths or edge distances may be required at certain locations, see plans and details.

Structural Steel Notes:

1 Design fabrication and erection of structural steel shall conform to the American Institute of Steel Construction's "Specification for Structural Steel for Buildings", indicated in the code reference section of these general notes.

2 Materials:

Wide flange shapes:	ASTM A 992 Grade 50
American standard shapes, angles, Plates and bars:	ASTM A 36
Structural steel tubing, Rectangular and square	ASTM A 500, Grade C (Fy=50 ksi)
Bolts	ASTM F3125, Grade A 325
Anchor rods	ASTM F 1554, Grade 36
Welding electrode	ASTM E 70xx, low hydrogen
Shear connectors	3/4" diam. ASTM A 108

3 All welding shall conform to American Welding Society's AWS D1.1 "Structural Welding Code-Steel" code for arc and gas welding and be performed by a certified welder in accordance with A.W.S. standards.

4 High strength bolts: install high-strength bolts according to Research Council on Structural Connections' (RCSC's) "Specification for Structural Joints Using High-Strength Bolts" for type of bolt and type of joint specified.
Joint type: Snug tightened unless otherwise noted.

5 Beam reactions are indicated on the plans, refer to the typical beam legend for reaction designations. Beams with shear reactions not shown shall be designed for a 12 kip reaction (service loads for allowable stress design).

6 The fabricator is responsible for designing connections for the reactions shown on these plans and submitting these design calculations, signed and sealed by a qualified professional engineer registered in the state of jurisdiction who is responsible for their preparation, for review by the structural engineer of record through the architect. The reactions shown are "service" loads for "Allowable Stress Design" (ASD). Connections may be designed for these values using the conventional "Allowable Stress Design" method, as specified in the AISC Steel Construction Manual indicated in the code reference section of these general notes.

7 For moment connections, notch-tough welding electrodes, complying with AWS requirements, shall be used for full penetration welds. Also for full penetration welds, provide welding tabs at beam flange edges to allow welding of full beam width.

8 For moment connections, backing bars and weld tabs for welds need not be removed, unless testing agency requires removal to facilitate testing and inspection or weld tabs interfere with architectural finishes.

9 Full or partial penetration groove welds shall be ultrasonic tested and shall be detailed to allow for such ultrasonic testing.

10 Stud shear connectors shall be field-welded in accordance with AWS D1.1.

11 Where slotted hole connections are shown, nuts shall be fastened snug tight, then untightened by one-half turn. Peen threads to prevent further loosening of the nut.

12 Grout shall be nonmetallic, shrinkage-resistant grout conforming to ASTM C 1107, Grade B or C, factory-packaged, nonmetallic aggregate grout, noncorrosive, nonstaining, mixed with water to consistency suitable for application and a 30-minute working time.

13 Structural steel shall be cleaned in accordance with the Steel Structures Painting Council Specification SP 3 for Power Tool Cleaning (except for steel exposed to weather) and painted to a minimum dry film thickness of 2 mils with a shop coat of Tnemec #10-99 alkyd rust inhibitive primer as manufactured by Tnemec Company, Inc. of Kansas City, MO, or an approved equal.

14 All steel members and bolting exposed to weather shall be cleaned in accordance with the Steel Structures Painting Council Specification SP 6 for Commercial Blast Cleaned and hot-dipped galvanized in accordance with ASTM A 123 and ASTM A 153. Minimum acceptable zinc coating weight shall be 2 oz./sq. Ft. See architectural specifications for finished paint if required. Clean areas where galvanizing is damaged or missing and repair galvanizing to comply with ASTM A 780.

15 Provide bitumastic protection coating for all structural steel below grade.

16 Continuous members, where indicated on the drawings, shall require either 1) the member to be furnished as one piece, or 2) if individual pieces are to be provided, then they shall be connected by either welding or bolting to develop the full strength of the continuous member.

17 Split cantilevers for steel beams shall be designed for the full moment capacity of the beam unless otherwise noted.

18 Unless otherwise noted, at cantilever beam connection to top of columns, provide welded 3/4" cap plate with (4)-3/4" diameter A 325 bolts on beam gage. Provide 1/2" minimum fitted stiffeners welded at both sides of beam web. Locate stiffeners over column flange on cantilever side.

19 Bent beams are defined as beams having its full section properties throughout its length, including at the bent. Provide full penetration welds all around at the bent.

20 Provide 1/4" closure plates with seal weld at ends of all HSS members.

21 The design of composite floor beams is based on unshored construction conditions.

22 Fabricator shall hold a current AISC certification for "Certified Building Fabricator (BU)", (formerly known as "Standard for Steel Building Structures (STD)".)

23 For miscellaneous steel, see architectural drawings.

24 Existing steel surfaces to receive field welds shall be thoroughly cleaned and free from paint, rust, grease, etc.

25 Submittals to the engineer are required for certificates of compliance for structural steel, bolts, nuts, washers, and weld filler material prior to the fabrication of any steel

26 At the completion of fabrication, the fabricator shall submit a certificate of compliance stating that the work was performed in accordance with the approved contract documents, as required by Section 1704.2 of the building code indicated at the beginning of these General Notes.

Steel Deck Notes:

1 Steel deck shall be designed, fabricated, and erected in accordance with the Steel Deck Institute specification indicated in the code reference section of these general notes.

2 Composite formed steel floor deck in Garage Addition to be 3" deep, 20 gage (uncoated steel thickness = 0.0358"), galvanized (G60 coating), United Steel Deck Type Lok-Floor, composite floor deck as manufactured by Canam Steel Corporation, or an approved equal.

3 Composite formed steel floor deck in Kitchen/Office Addition and Mezzanine to be 2" deep, 20 gage (uncoated steel thickness = 0.0358"), galvanized (G60 coating), United Steel Deck Type Lok-Floor, composite floor deck as manufactured by Canam Steel Corporation, or an approved equal.

4 Formed steel roof deck to be 1-1/2" deep, 20 gage (uncoated steel thickness = 0.0358"), galvanized (G60 coating), wide rib, United Steel Deck "B" Deck profile, as manufactured by Canam Steel Deck, Incorporated or an approved equal.

5 The steel deck shall be supplied in minimum lengths as required to provide a "3-span" condition. Column closures, end closures, z-closures, cover plates, roof sumps, and closures at penetrations of same material, finish, and thickness as deck and all other accessories necessary for a complete installation are required. Provide additional reinforcement and closure pieces at edges and openings as required for strength, continuity of deck, and support of other work.

6 Composite formed steel floor deck shall be welded to supporting steel with 5/8" diameter puddle welds at 12" on center. Intermediate side connections shall bemade with #10 self tapping screws at a maximum spacing of 3'-0" on center.

In lieu of puddle welds, powder actuated fasteners having the same capacity as the specified puddle welds, may be used. Fasteners shall be manufactured by Hilti, Inc. or an approved equal. Shop drawings shall be submitted for approval to the engineer indicating fastener data including size vs. steel substrate material, spacings, capacities, including diaphragm shear capacities, method of installation and program for quality assurance of installation.

7 Formed steel roof deck shall be welded to supporting steel with 5/8" diameter puddle welds at all edge ribs plus a sufficient number of interior ribs to limit the spacing between adjacent points of attachment to 8" on center. (For connection of metal roof deck to cold formed framing, use No. 10 self tapping screws at 12" on center). Intermediate side connections shall be made with No.10 self-tapping screws at mid-span or 3'-0" on center, whichever is smaller. Deck perimeter edge connections between supports (parallel to supports) shall be made with No.12 self-tapping screws at mid-span or 3'-0" on center, whichever is smaller. Install deck ends over supporting frame with a minimum end bearing of 1-1/2 inches. End laps of sheets shall be a minimum of 2" and shall occur over supports.

In lieu of puddle welds, powder actuated fasteners having the same capacity as the specified puddle welds, may be used. Fasteners shall be manufactured by Hilti, Inc. or an approved equal. Shop drawings shall be submitted for approval to the engineer indicating fastener data including size vs. steel substrate material, spacings, capacities, including diaphragm shear capacities, method of installation and program for quality assurance of installation.

8 Steel deck must be protected before and after erection and all debris cleaned from its surface where concrete will be poured or roofing is to be placed.

Lintel Notes:

1 Unless otherwise noted, for lintels over doors, windows, ducts, and miscellaneous openings in non-bearing 4", 8" and 12" CMU walls and brick walls use for each 4" of masonry:

Angle size	Max. M.O.	Bearing each end
3 1/2" x 3/8" flat plate	2'-0"	6"
3 1/2" x 4" x 5/16" (LLV)	3'-6"	6"
3 1/2" x 5" x 5/16" (LLV)	5'-0"	6"
3 1/2" x 6" x 5/16" (LLV)	6'-0"	8"
3 1/2" x 6" x 3/8" (LLV)	8'-0"	8"

2 Openings in non-bearing walls masonry where no specific lintels or lintel sizes are indicated shall have 8" bearing at each end and shall have the following sizes:

Max. M.O.	Wall thickness	Lintel size
9'-0"	8"	W8x24
9'-0"	9"-13"	W8x31 + 5/16" plate
12'-0"	8"	W8x28
12'-0"	9"-13"	W8x35 + 5/16" plate

Plates indicated in above lintels shall have a width 1" less than the wall thickness and a length 1" less than the masonry opening. Provide 7 1/2" x 5/8" x 0'-7 1/2" bearing plates on 3/4" grout bed with (2)-5/8" diameter x 6" long welded anchor studs at 3" o.c. unless otherwise noted. Field weld bottom flange of beam to bearing plate with 1/4" weld at each side of flange.

3 For 6" masonry partitions use WT 7x13 for spans up to 7'-0" with 6" bearing each end.

4 For 10" masonry partitions use WT 7x21.5 for spans up to 7'-0" with 8" bearing each end.

5 Fill the first two courses directly under bearing with grout for 16" length.

6 See architectural and mechanical drawings for size and location of openings.

7 When openings occur in bearing walls or the height of masonry above the lintel is less than the opening width or when a control joint is located directly above or within 16" of the jamb opening and drawings do not otherwise indicate a specific lintel design, consult with the architect to confirm lintel requirements.

8 Lintels over adjacent openings with piers between less than 2'-8" wide shall be continuous over piers. Masonry units of such piers shall be filled with grout for full story height.

9 Connect lintel to structural steel columns when there is less than 16" of masonry between the masonry opening and the outermost face of column.

10 Lintels supporting exterior masonry shall be hot-dipped galvanized. See structural steel notes.

11 Lintels for openings in walls: These plans do not show the full scope of steel lintels required for new wall openings for doors, windows, ducts, louvers, etc.. For masonry opening size and location of all wall openings, see architectural and mechanical drawings. Do not scale openings. For steel lintel size for corresponding masonry opening size, see notes, above, unless otherwise noted on plans.

12 Contractor shall design and provide shoring system as indicated in shoring note in general notes. Shoring capacity shall exceed 3000 lbs. per linear foot per foot of wall width for non-load bearing walls, unless otherwise noted, and 5000 lbs. per linear foot per foot of wall width for load bearing walls, unless otherwise noted.

13 See architectural drawings for any precast concrete lintels that are required. Shop drawing submittals for precast concrete lintels shall be designed and certified by a professional engineer licensed in the jurisdiction of the project. The lintels shall be designed to carry the code required gravity and lateral loads.

Cold-Formed Metal Framing Notes:

1. Design, fabrication, and erection of cold-formed metal framing shall conform to the American Iron and Steel Institute's "Specification for the Design of Cold-formed Steel Structural Members", indicated in the code reference section of these general notes.
2. All studs and/or joists and accessories shall be of the type, size, steel thickness and spacing shown on the drawings. Studs, tracks, bracing and bridging shall be manufactured per ASTM C 955.
3. All studs, joists and accessories shall be formed from steel that conforms to the requirements of ASTM A 1003 with a yield as follows:
   - i. 16 ga.(0.054") or heavier 50 ksi
   - ii. 18 ga (0.043") or lighter 33 ksi
4. All studs, joists and accessories shall be galvanized with a minimum G-60 coating.
5. Touchup paint: Immediately after fabrication and erection, clean welds, fasteners, and damaged galvanized surfaces. Touchup and repair surfaces with galvanized repair paint in accordance with ASTM A 780, applied by brush or spray to provide minimum dry film thickness of 2.0 mils.
6. Cold framed metal sizes and attachments shall not be less than those indicated on the contract documents.
7. Where framing systems are not shown on the drawings, provide delegated design of framing systems for the design loads indicated in the contract documents. Provide for movement of framing members without damage or overstressing, sheathing failure, connection failure, undue strain on fasteners and anchors, or other detrimental effects when subject to a maximum ambient temperature of 120 deg F. Design framing system to maintain clearances at openings, to allow for construction tolerances, and to accommodate live load deflection of primary building structure for an upward and downward movement of L/360 for floors L/240 for roofs.
8. Connections shall be accomplished with self-driving screws or welding so that the connection meets or exceeds the design loads required at that connection.
9. All connections shall be made using a minimum of four (4) No. 10-16 screws, unless otherwise shown on drawings.
10. Screw spacing and edge distance shall not be less than 1".
11. Minimum connection angle thickness shall be 16 gage, but no thinner than the material of the members that are being connected,
12. Welding shall conform to Structural Welding Code D1.1 and Specification for Welding Sheet in Structures E1.3 of the American Welding Society and be performed by a certified welder in accordance with AWS standards.
13. Temporary bracing shall be provided and left in place until work is permanently stabilized.
14. Joists shall be located directly over bearing studs or a load distribution member shall be provided to transfer loads.
15. All built-up framing members shall be of welded construction, unless otherwise noted.
16. Avoid holes at ends of members. However, should holes occur, provide additional reinforcing at the ends of the member where holes occur, unless otherwise noted.
17. Provide lateral blocking, bridging, and web stiffeners for vertical and horizontal framing members, and other framing members as required and in accordance with manufacturer's specifications or recommendations, unless indicated otherwise on the drawings.
18. Track: 16 gage minimum. securely anchored to adjacent structure or member.
19. All framing components: cut squarely or at an angle to fit squarely against abutting members. All members: held firmly in position until properly fastened, erect member level, plumb, and true to line and to dimensions and elevations indicated.
20. Studs: Seated squarely in the track with the stud web and flanges abutting the track web, and securely attached to the flanges or web of both tracks.
21. Splices in studs and other framing components: Not permitted.
22. Shape designations and section properties are based on the universal system for light gage steel framing members. For example, "600S162-54" denotes 6" deep, 1-5/8" wide flange, stud, 54 mils(=16 gage) thickness.
23. Submittals to the engineer are required for certificates of compliance for framing members (studs, joists, tracks, etc.), screws, and accessories (connection clips, stiffeners, etc.) prior to delivery to the site.
24. Shop drawings: Show layout, spacing, sizes, thickness, material specification, and types of cold-formed metal framing. Show fastening and anchorage details, including mechanical fasteners. Show reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, accessories, connection details, and attachment to adjoining work.
Regarding delegated design of cold formed framing, the cold-formed metal engineer and fabricator shall design only members and connections that are not shown on the drawings and shall submit calculations of all designs, signed and sealed by a qualified professional engineer registered in the state of jurisdiction who is responsible for their preparation. They shall not design any changes to the cold-formed metal framing, including sizes, gage, spacing and connections, that are indicated on the drawings.

Dimensioned Wood Framing Notes:

1 The structural wood stress grade stamped lumber shall be graded as follows:
Joists, rafters and studs:
Douglas Fir-Larch or Douglas Fir-Larch (North), No. 2.
F_b (base) = 850 psi
F_c (parallel to grain) = 1400 psi
F_c (perpendicular to grain) = 625 psi
F_v (base) = 180 psi
E (base) = 1,600,000 psi

2 The design of the dimensional lumber members and their connections is based on the lumber having a moisture content at the time of installation of 19% or less.

3 Joists or rafters are to be installed with "crown" up (i.e. positive camber) and within 1/4 inch in 10 feet straight, end-to-end alignment.

4 Severely distorted (twisted, bowed, cupped, checked, etc.) lumber shall not be used.

5 Notches in the top or bottom of dimensioned lumber joists or rafters shall not exceed one-sixth the member depth and shall not be located in the middle third of the span. End notches shall not exceed one-fourth the member depth. Bored holes shall not be within two inches of the top and bottom of the member and their diameter shall not exceed one-third the member depth, unless otherwise noted on plans.

Wood Structural Panels:

1 Wood Structural Panels commonly referred to as sheathing panels, plywood or oriented strand board ("OSB"), shall conform to U.S. Product Standard DOC PS 1 or PS 2, and bear the APA grade-trademark of the American Plywood Association.

2 Sheathing panels for floors, roof, and walls shall be APA rated sheathing, Exposure 1, with a minimum span index rating of 32/16.

3 Sheathing panels on flat surfaces shall be installed with face grain or panel long dimension perpendicular across supports and continuous over two or more spans. Provide 1/8" space between panel edges parallel to face grain or panel long dimension, 1/16" space between panel edges over supporting members.

4 Floor sheathing shall be glued to supporting members with construction adhesive such as PL 200, laid in a continuous 1/4 inch wide bead along the member length.

5 At designated shear walls, horizontal edges of wall sheathing shall be backed by solid blocking between studs to provide backing for specified panel edge nailing.

6 At panel edges, nails are to be 3/8" from edge of panel.

7 The heads of nails shall be driven flush to the surface of the panel and not break the surface.

Wood Decking Notes:

1. Wood decking shall comply with AITC 108-93 "Standard for Heavy Timber Construction".
2. Wood decking shall be of the following species and grade:
   - Species: Douglas fir-larch or Douglas fir-larch (north)
   - Grade: Commercial
3. Minimum allowable stresses and stiffness characteristics of timbers shall be as follows:
   - Fb = 1,450 psi (Single)
   - Fb = 1,650 psi (Repetitive)
   - Fc (perpendicular to grain) = 625 psi
   - E = 1,700,000 psi
4. Fabrication
   - 2x Decking: Machined from one board with single tongue and groove profile, square edge
   - 3x and 4x Decking: Machined with double tongue and groove profile, square edge
5. Moisture Content
   - 2x Decking: Less than or equal to 19%
   - 3x and 4x Decking: Less than or equal to 15%
6. Fastening of Wood Decking:
   - 2x Decking:
     - Toenail at 30 degrees with 20d common nails at the base of the tongue into supporting member for each 3" of width
     - Face nail with 20d, ¾" from edge of tongue for each 3" of width
   - 3x and 4x Decking:
     - Toenail at 30 degrees with 40d common nails at the base of the tongue into supporting member for each 3" of width
     - Face nail with 20d, ¾" from edge of tongue for each 3" of width
     - Spike between tongues to previous course through predrilled hole, 1/16" less in diameter of the spike, at 30" o.c. maximum, 10" maximum from end of piece. Spike to penetrate 4" minimum into previous course

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CONSTRUCTION DOCUMENTS

Professional Seal
RYAN B. WALSH
094509
Exp. 05/31/26

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
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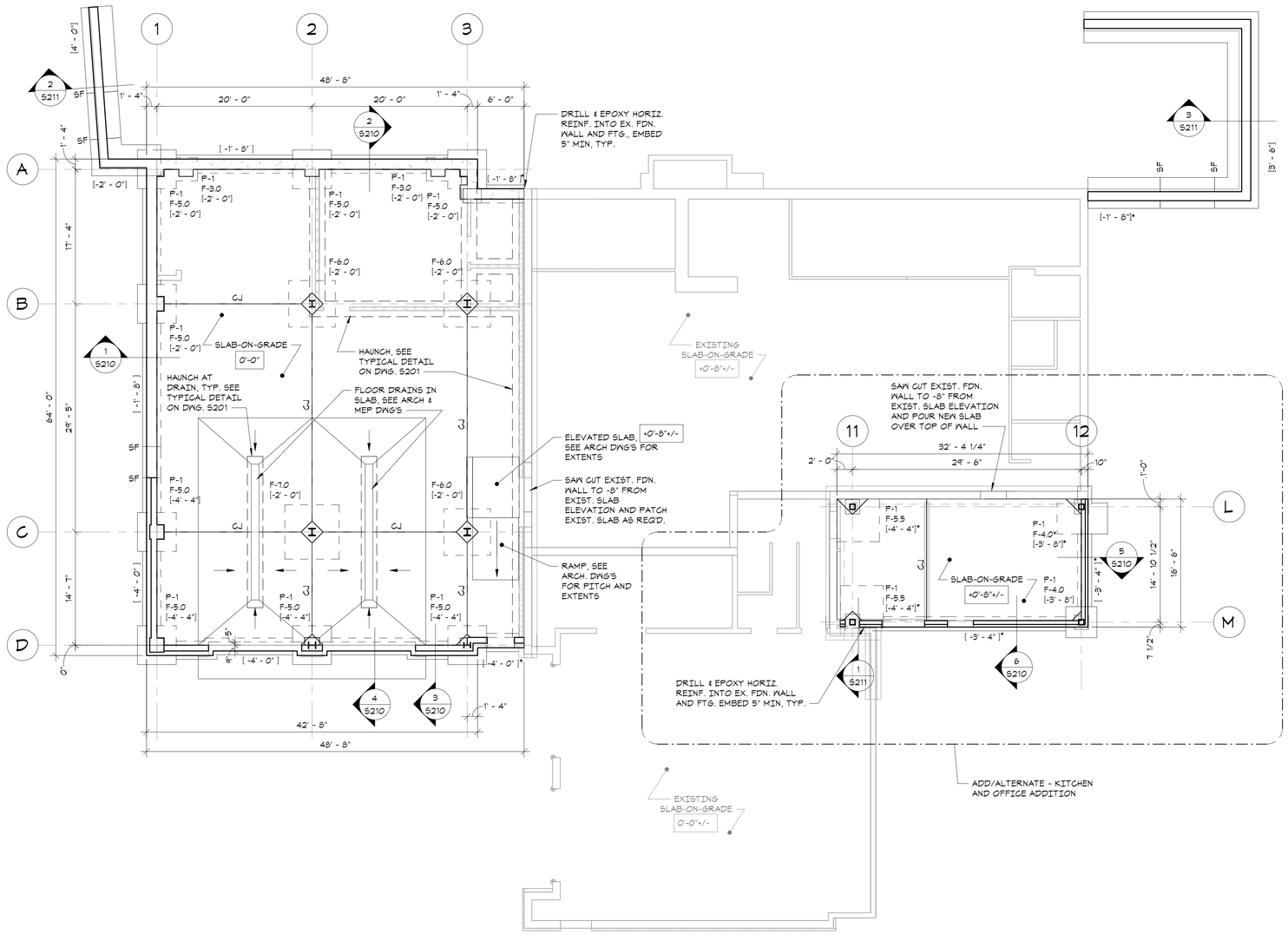
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

GENERAL NOTES AND MATERIAL SPECIFICATIONS

Job No. 23062.00
Date 01/31/24
Scale AS NOTED
Drawn / Checked JM / CGB
Sheet Number S001



GROUND FLOOR SLAB-ON-GRADE & FOUNDATION PLAN

NORTH:

1/8"=1'-0"

- TOP OF GARAGE GROUND FLOOR CONCRETE SLAB ON GRADE ELEVATION = DATUM ELEVATION 0'-0" = TOPOGRAPHICAL ELEVATION = 390'-4".
- FLOOR CONSTRUCTION: MIN 5" CONCRETE SLAB ON GRADE, REINFORCED WITH 6x6 - W2.1xW2.1 WELDED WIRE FABRIC, UNLESS OTHERWISE NOTED. FOR DETAILS, SEE "TYPICAL SLAB ON GRADE DETAILS". (SLAB PITCHES, SEE ARCH DWGS)
- FOR FOUNDATION CONDITION AT EXTERIOR DOORS, SEE "TYPICAL DETAIL AT EXTERIOR DOORS".
- COORDINATE ALL PITS, TRENCHES, POCKETS, BRICK SHELVES, SLEEVES, PENETRATIONS AND INSERTS IN CONCRETE WALLS AND SLABS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- FOR FOUNDATIONS FOR MASONRY WALLS THAT ARE NOT SHEAR WALLS AND THAT ARE NON-LOAD-BEARING, SEE "TYPICAL ONE STORY PARTITION WALL SUPPORT DETAIL". FOR SIZE, LENGTH AND LOCATION OF THESE WALLS, SEE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
- SEE GENERAL NOTES, FOR ADDITIONAL INFORMATION.
- * INDICATES BOTTOM OF FOOTING ELEVATION IS APPROXIMATE. BOTTOM OF NEW FOOTING SHALL MATCH BOTTOM OF EXISTING FOOTING, UNLESS EXISTING FOOTING ELEVATION IS ABOVE FROST DEPTH IN WHICH CASE CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER PRIOR TO PROCEEDING WITH ANY WORK AND SHALL UNDERPIN EXISTING FOUNDATIONS AS REQUIRED TO COMPLY WITH THE BUILDING CODE. SEE "TYPICAL UNDERPINNING DETAIL".

LEGEND:

- (+/- ....) INDICATES BOTTOM OF FOOTING ELEVATION FROM TOP OF GROUND FLOOR CONCRETE SLAB DATUM ELEVATION.
- (+/-...) INDICATES TOP OF WALL ELEVATION FROM TOP OF GROUND FLOOR CONCRETE SLAB DATUM ELEVATION.
- +/..... INDICATES TOP OF CONCRETE SLAB ELEVATION FROM TOP OF GROUND FLOOR CONCRETE SLAB DATUM ELEVATION. MAINTAIN FULL SLAB THICKNESS AT SLOPED AND DEPRESSED AREAS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT.
- "SF" INDICATES APPROXIMATE LOCATION OF STEPS IN FOOTINGS ON PLAN. COORDINATE LOCATION AND ELEVATION WITH SITE GRADING AND MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR DETAILS, SEE "TYPICAL STEPPED FOOTING DETAIL".
- "CJ" INDICATES APPROXIMATE LOCATION OF CONTROL/CONSTRUCTION JOINTS IN SLABS ON GRADE. FOR DETAILS, SEE "TYPICAL SLAB ON GRADE DETAILS".
- F-## INDICATES FOOTING TYPE. SEE "FOOTING SCHEDULE AND FOOTING DETAIL".
- P-# INDICATES PIER TYPE. SEE "PIER SCHEDULE AND PIER DETAILS".

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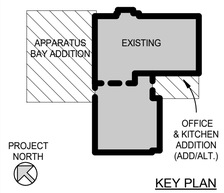
CONSTRUCTION DOCUMENTS



KEY PLAN

Professional Seal

STATE OF NEW YORK · RYAN B. WALSH · 094509 · LICENSED PROFESSIONAL ENGINEER

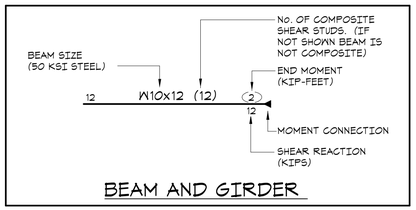
Exp. 05/31/26

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title
GROUND FLOOR SLAB-ON-GRADE & FOUNDATION PLAN

Job No.	Date
23062.00	01/31/24
Scale	Drawn / Checked
AS NOTED	JM

Sheet Number
S101



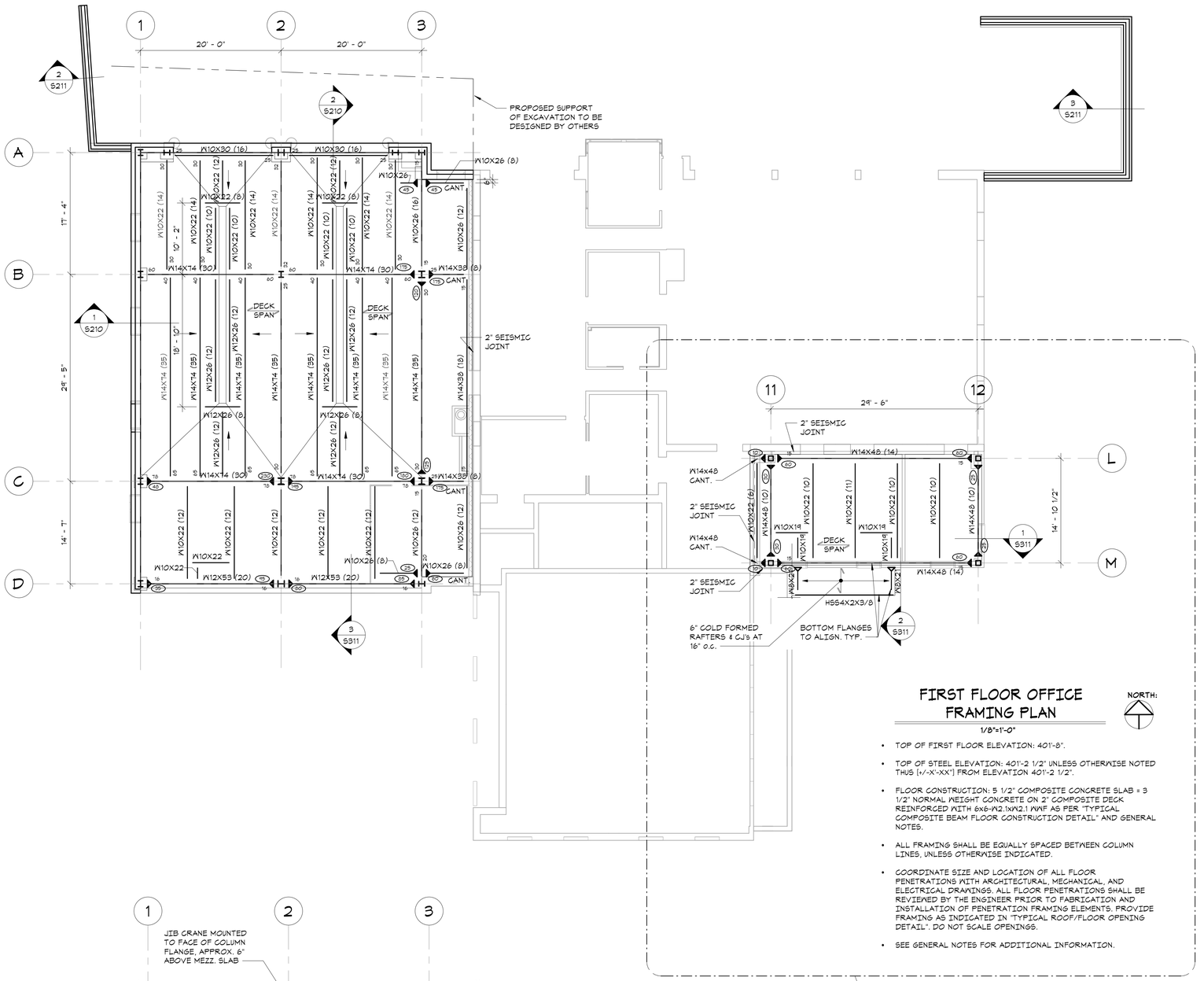
BEAM AND GIRDER

FIRST FLOOR GARAGE FRAMING PLAN

NORTH:

1/8"=1'-0"

- TOP OF FIRST FLOOR ELEVATION: 401'-8".
- TOP OF STEEL ELEVATION: 400'-10 3/4" UNLESS OTHERWISE NOTED THUS [+/-X'-XX"] FROM ELEVATION 400'-10 3/4".
- FLOOR CONSTRUCTION: 9 1/4" (MAX.) COMPOSITE CONCRETE SLAB = 6 1/4" NORMAL WEIGHT CONCRETE ON 3" COMPOSITE DECK REINFORCED WITH #4 STEEL REINFORCEMENT BARS AT 12"O.C., EACH WAY, TOP AND BOTTOM. SEE "TYPICAL COMPOSITE BEAM FLOOR CONSTRUCTION DETAIL" AND GENERAL NOTES FOR MORE INFORMATION. SLAB PITCHES TO MINIMUM THICKNESS OF 8", SEE ARCHITECTURAL DRAWINGS FOR PITCH AND EXTENTS.
- ALL FRAMING SHALL BE EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS OTHERWISE INDICATED.
- COORDINATE SIZE AND LOCATION OF ALL FLOOR PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL FLOOR PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



FIRST FLOOR OFFICE FRAMING PLAN

NORTH:

1/8"=1'-0"

- TOP OF FIRST FLOOR ELEVATION: 401'-8".
- TOP OF STEEL ELEVATION: 401'-2 1/2" UNLESS OTHERWISE NOTED THUS [+/-X'-XX"] FROM ELEVATION 401'-2 1/2".
- FLOOR CONSTRUCTION: 5 1/2" COMPOSITE CONCRETE SLAB = 3 1/2" NORMAL WEIGHT CONCRETE ON 2" COMPOSITE DECK REINFORCED WITH 6x6-W2.1xW2.1 WWF AS PER "TYPICAL COMPOSITE BEAM FLOOR CONSTRUCTION DETAIL" AND GENERAL NOTES.
- ALL FRAMING SHALL BE EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS OTHERWISE INDICATED.
- COORDINATE SIZE AND LOCATION OF ALL FLOOR PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL FLOOR PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.

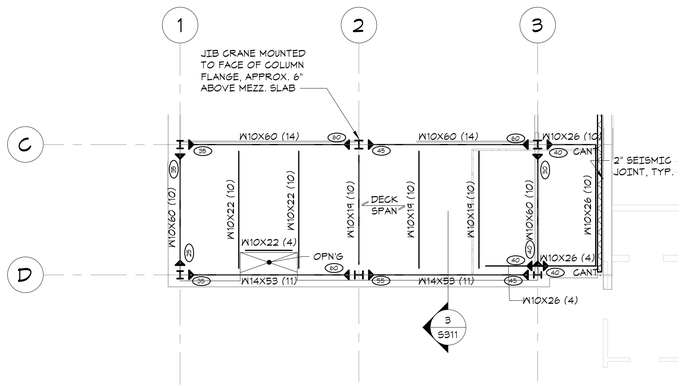
ADD/ALTERNATE - KITCHEN AND OFFICE ADDITION

MEZZANINE FLOOR FRAMING PLAN

NORTH:

1/8"=1'-0"

- TOP OF MEZZANINE FLOOR ELEVATION: 411'-2".
- TOP OF STEEL ELEVATION: 410'-8 1 /2" UNLESS OTHERWISE NOTED THUS [+/-X'-XX"] FROM ELEVATION 410'-8 1/2".
- FLOOR CONSTRUCTION: 5 1/2 " COMPOSITE CONCRETE SLAB = 3 1/ 2" NORMAL WEIGHT CONCRETE ON 2" COMPOSITE DECK REINFORCED WITH 6x6-W2.1xW2.1 WWF AS PER "TYPICAL COMPOSITE BEAM FLOOR CONSTRUCTION DETAIL" AND GENERAL NOTES.
- ALL FRAMING SHALL BE EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS OTHERWISE INDICATED.
- COORDINATE SIZE AND LOCATION OF ALL FLOOR PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL FLOOR PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



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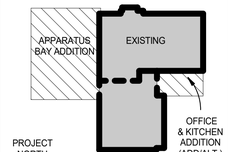

KEY PLAN

Professional Seal

Exp. 05/31/26

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
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1	07-29-2023	SCHEMATIC DESIGN

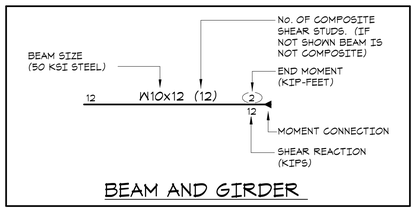
Sheet Title

FIRST FLOOR AND MEZZANINE FRAMING PLANS

Job No.	Date
23062.00	01/31/24
Scale: AS NOTED	Drawn / Checked: JM

Sheet Number

S102



BEAM AND GIRDER

ROOF DECK MARK NOTED THUS

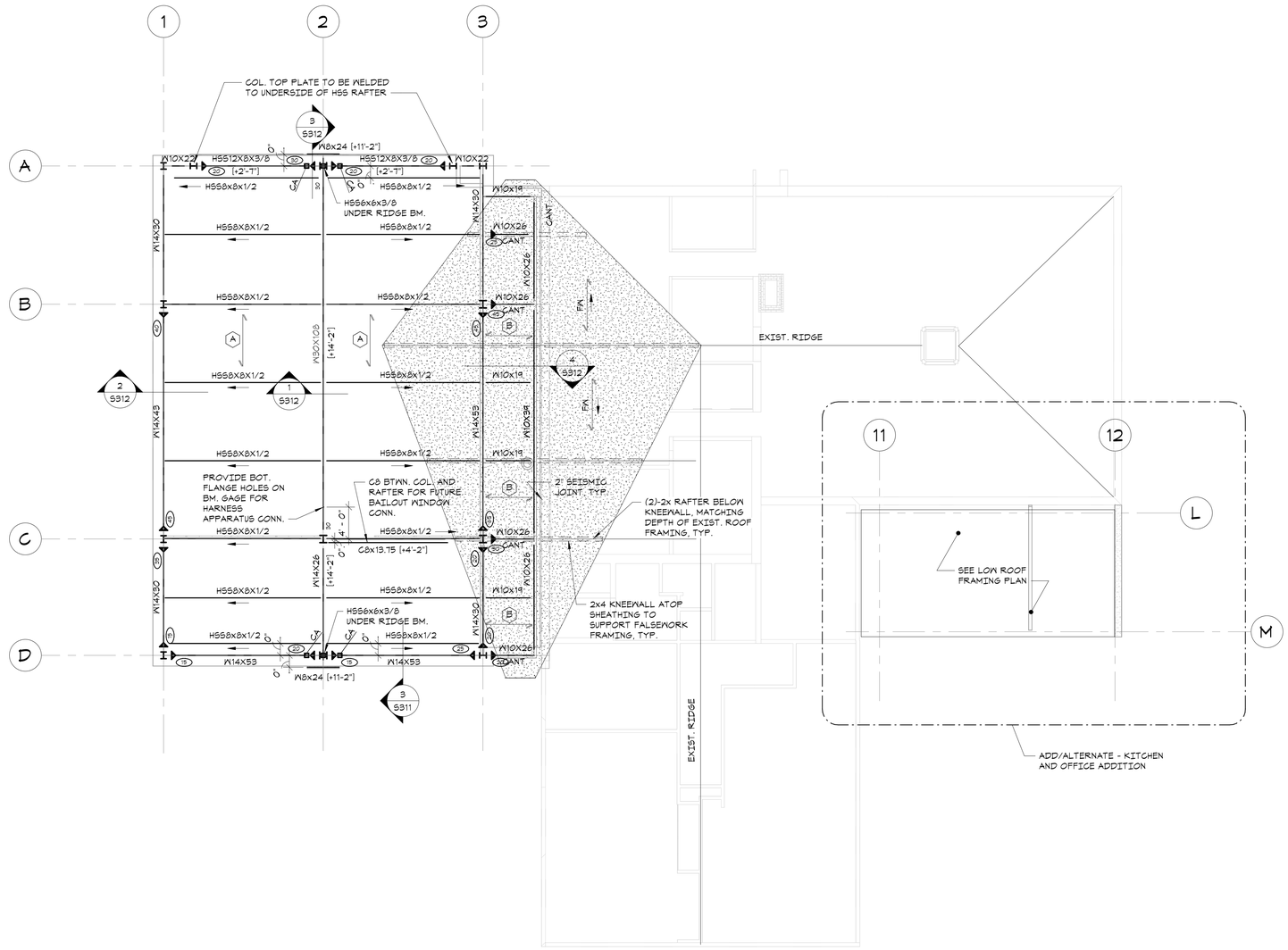
- (A) 3x6 TIMBER ROOF DECKING WITH 5/8" WOOD SHEATHING
- (B) METAL ROOF DECK: 1 1/2" TYPE B

ROOF FRAMING PLAN

1/8"=1'-0"

NORTH:

- ROOF SLOPES, SEE ARCHITECTURAL DRAWINGS FOR PITCH.
- TOP OF STEEL ELEVATION: 415'-0" UNLESS OTHERWISE NOTED THUS [+/-X'-XX"] FROM ELEVATION 415'-0".
- ROOF DECK CONSTRUCTION: SEE SCHEDULE AND GENERAL NOTES, DRAWING S001.
- ALL FRAMING SHALL BE EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS OTHERWISE INDICATED.
- COORDINATE SIZE AND LOCATION OF ALL ROOF PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL ROOF PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- "FN" INDICATES FALSENORK OR OVERBUILD FRAMING AT 16" o.c. NAIL 2x12 IN VALLEY WITH (2) 16d TO EACH RAFTER BELOW THAT IS CROSSED. NAIL BOTTOM END OF FALSENORK TO 2x12 VALLEY WITH (2)-10d TOE-NAILS EACH SIDE OF RAFTER FOR EACH 4 FEET OF RAFTER LENGTH. USE 2x6's FOR SPANS UP TO 10 FEET, 2x8's FOR SPANS UP TO 13 FEET, 2x10's FOR SPANS UP TO 16 FEET AND 2x12's FOR SPANS UP TO 20 FEET. RAFTERS BELOW FALSENORK MUST BE FULLY SHEATHED AND NAILED. ISOLATED OPENINGS IN SHEATHING MAY BE ALLOWED WITH THE ENGINEER'S APPROVAL.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.

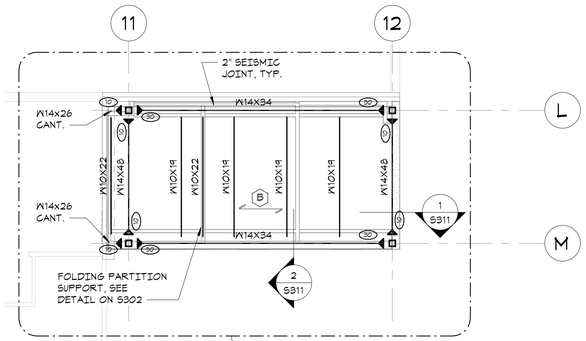


LOW ROOF FRAMING PLAN

1/8"=1'-0"

NORTH:

- ROOF DECK CONSTRUCTION: SEE SCHEDULE AND GENERAL NOTES, DRAWING S001.
- TOP OF STEEL ELEVATION: 412'-2" UNLESS OTHERWISE NOTED THUS [+/-X'-XX"] FROM ELEVATION 412'-2".
- COORDINATE SIZE AND LOCATION OF ALL ROOF PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ALL ROOF PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. PROVIDE FRAMING AS INDICATED IN "TYPICAL ROOF/FLOOR OPENING DETAIL". DO NOT SCALE OPENINGS.
- ALL FRAMING SHALL BE EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS OTHERWISE INDICATED.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



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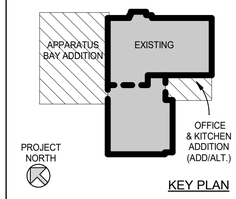

KEY PLAN

Professional Seal

Exp. 05/31/26

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1	07-29-2023	SCHEMATIC DESIGN

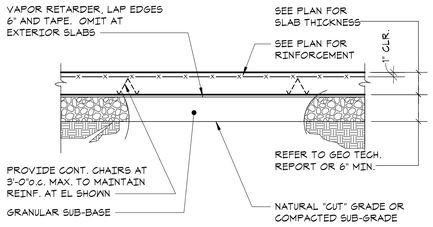
Sheet Title

ROOF AND LOW ROOF FRAMING PLANS

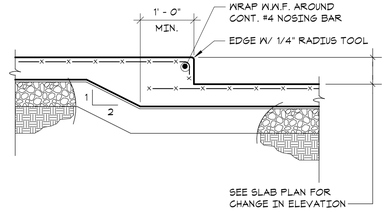
Job No.	Date
23062.00	01/31/24
Scale	Drawn / Checked
AS NOTED	JM

Sheet Number

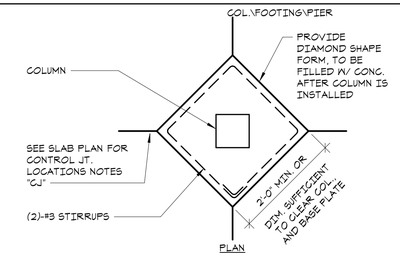
S103



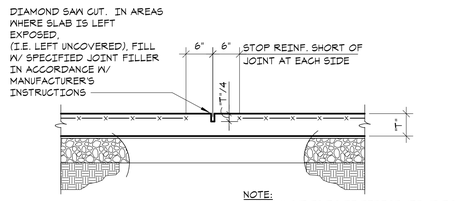
SLAB ON GRADE DETAIL



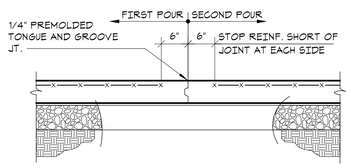
STEPPED SLAB DETAIL



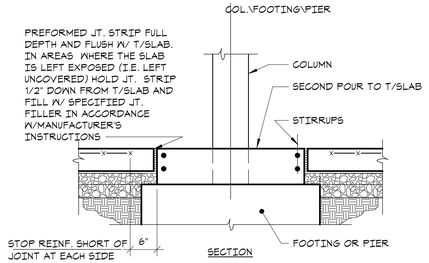
SLAB AT COLUMN DETAIL



CONTROL JOINT DETAIL



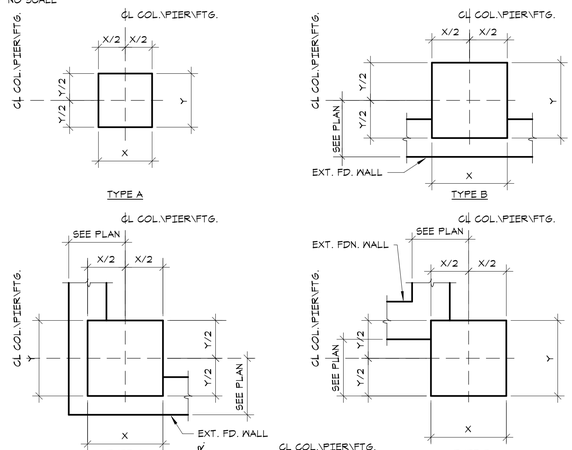
SLAB ON GRADE CONSTRUCTION JOINT DETAIL

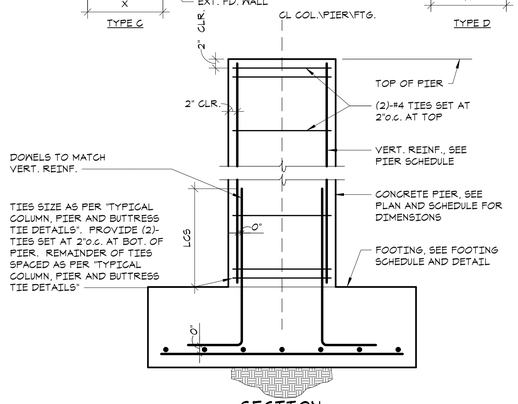


SLAB AT COLUMN DETAIL

1 TYPICAL SLAB ON GRADE DETAIL

NO SCALE



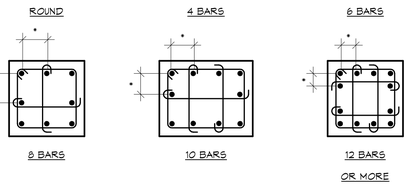


PIER SCHEDULE

MARK	TYPE	"X" E-W DIR.	"Y" N-S DIR.	VERTICAL REINF.	REMARKS
P-1	VARIES	22"	1'-10"	(8)-#6	

3 TYPICAL PIER SCHEDULE AND PIER DETAILS

NO SCALE



TYPICAL TIE ARRANGEMENT

"*" INDICATES WHEN 8" OR LESS OMIT INTERIOR TIE.

MAXIMUM SPACING OF TIES

VERTICAL BAR SIZE	SIZE AND SPACING OF TIES		
	#3	#4	#5
#5	10"	-	-
#6	12"	-	-
#7	14"	-	-
#8	16"	16"	-
#9	18"	18"	-
#10	18"	20"	-
#11	†	22"	22"
#14	†	24"	27"
#18	†	24"	30"

"*" INDICATES MAX. SPACING NOT TO EXCEED LEAST DIMENSION OF COMPRESSION MEMBER.

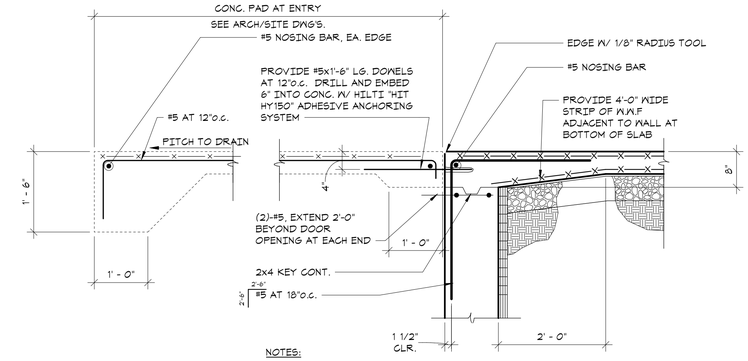
†INDICATES #3 TIES NOT PERMITTED.

NOTES:

1. THE VERTICAL BARS SHALL BE SPACED AROUND THE PERIMETER SO AS TO ACHIEVE APPROXIMATELY EQUAL SPACING.
2. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF EXTERIOR DOORS.
3. TIES SHALL BE ARRANGED SUCH THAT EVERY CORNER AND ALTERNATE VERTICAL BAR SHALL HAVE LATERAL SUPPORT PROVIDED BY THE CORNER OF A TIE WITH AN INCLUDED ANGLE OF NOT MORE THAN 135 DEGREES AND NO BAR SHALL BE FURTHER THAN 6" CLEAR ON EACH SIDE ALONG THE TIE FROM SUCH A LATERALLY SUPPORTED BAR.
4. TIES SHALL BE LOCATED VERTICALLY NOT MORE THAN ONE-HALF A TIE SPACING ABOVE THE TOP OF FOOTING OR SLAB IN ANY STORY, AND SHALL BE SPACED AS PROVIDED HEREIN TO NOT MORE THAN ONE-HALF A TIE SPACING BELOW THE LOWEST HORIZONTAL REINFORCEMENT IN SLAB OR DROP PANEL ABOVE.
5. WHERE BEAMS OR BRACKETS FRAME FROM FOUR DIRECTIONS INTO A COLUMN, PIER OR BUTRESS, TERMINATION OF TIES NOT MORE THAN 3" BELOW REINFORCEMENT IN SHALLOWEST OF SUCH BEAMS OR BRACKETS SHALL NOT BE PERMITTED.
6. SEE THE GENERAL NOTES ON DRAWING S1 FOR THE MINIMUM CONCRETE COVER REQUIREMENTS FOR REINFORCEMENT.
7. WHERE PIERS ARE ADJACENT TO FOUNDATION WALLS, PIERS ARE TO BE POURED MONOLITHICALLY WITH WALLS, PIER REINFORCING SHALL EXTEND WITHIN 2" OF OPPOSITE FACE WALL.

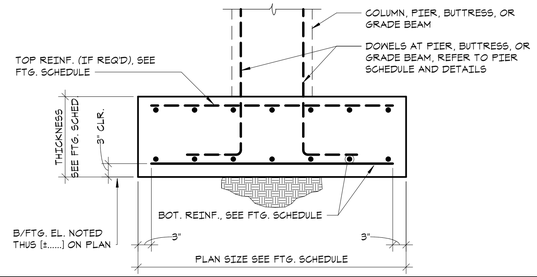
4 TYPICAL COLUMN, PIER AND BUTTRESS TIE DETAILS

NO SCALE



2 TYPICAL FOUNDATION WALL DETAIL AT EXTERIOR DOORS

NO SCALE



FOOTING SCHEDULE

(ALLOWABLE BEARING PRESSURE: 4000 PSF)

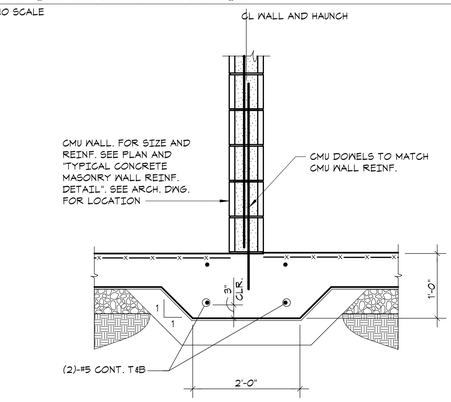
MARK	PLAN SIZE		THICKNESS	BOTTOM REINF.		REMARKS
	N-S	E-W		N-S	E-W	
F-3.0	3'-0"	3'-0"	1'-4"	(4)-#5	(4)-#5	
F-4.0	4'-0"	4'-0"	1'-4"	(5)-#5	(5)-#5	
F-4.0*	4'-0"	6'-0"	1'-4"	(4)-#5	(6)-#5	
F-5.0	5'-0"	5'-0"	1'-4"	(6)-#5	(6)-#5	
F-5.5	5'-6"	5'-6"	2'-0"	(5)-#7	(5)-#7	
F-6.0	6'-0"	6'-0"	1'-4"	(8)-#5	(8)-#5	
F-7.0	7'-0"	7'-0"	1'-4"	(7)-#7	(7)-#7	

NOTES:

1. REFER TO FOOTING DETAILS AND FOUNDATION NOTES IN USING THIS SCHEDULE.
2. "*" PROVIDE TOP REINFORCING IN ADDITION TO BOTTOM REINFORCING. TOP REINFORCING SHALL BE PLACED 2" CLEAR FROM TOP OF FOOTING AND SHALL BE EQUAL TO SIZE AND SPACING OF BOTTOM REINFORCING.
3. SHEAR WALL FOOTINGS AND COMBINED FOOTINGS ARE DESIGNED AS F-1##.
4. CENTERLINE OF SHEAR WALL FOOTINGS SHALL BE LOCATED ON CENTERLINE OF SHEAR WALL AND 1'-0" IN FROM END OF SHEAR WALL. PROVIDE DOWELS FROM FOOTINGS INTO SHEAR WALL CMU OR CONCRETE FOUNDATION WALLS AS PER NOTE **"A" ON DETAIL 12/S202**.
5. WHERE SHEAR WALL FOOTINGS OVERLAP WITH COLUMN FOOTINGS, COMBINE THE TWO FOOTINGS INCLUDING THE FULL AMOUNT OF REINFORCEMENT. ALIGN TOPS OF FOTTINGS.

5 FOOTING SCHEDULE AND DETAIL

NO SCALE



6 TYPICAL HAUNCH SLAB DETAIL

NO SCALE

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Sheet Title

FOUNDATION SCHEDULES AND TYPICAL DETAILS

Job No.	Date
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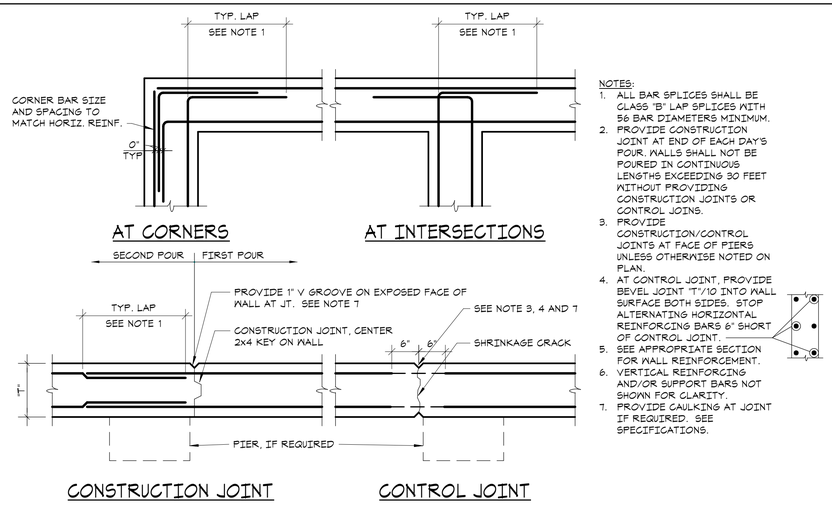
Sheet Number

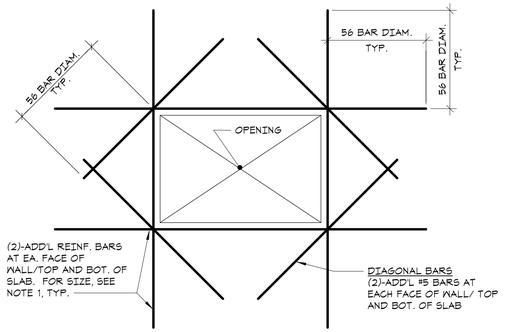
S201



NOTES:

1. ALL BAR SPLICES SHALL BE CLASS "B" LAP SPLICES WITH 56 BAR DIAMETERS MINIMUM.
2. PROVIDE CONSTRUCTION JOINT AT END OF EACH DAY'S POUR. WALLS SHALL NOT BE POURED IN CONTINUOUS LENGTHS EXCEEDING 30 FEET WITHOUT PROVIDING CONSTRUCTION JOINTS OR CONTROL JOINS.
3. PROVIDE CONSTRUCTION/CONTROL JOINTS AT FACE OF PIERS UNLESS OTHERWISE NOTED ON PLAN.
4. AT CONTROL JOINT, PROVIDE BEVEL JOINT "T"/10 INTO WALL SURFACE BOTH SIDES. STOP ALTERNATING HORIZONTAL REINFORCING BARS 6" SHORT OF CONTROL JOINT.
5. SEE APPROPRIATE SECTION FOR WALL REINFORCEMENT.
6. VERTICAL REINFORCING AND/OR SUPPORT BARS NOT SHOWN FOR CLARITY.
7. PROVIDE CAULKING AT JOINT IF REQUIRED. SEE SPECIFICATIONS.

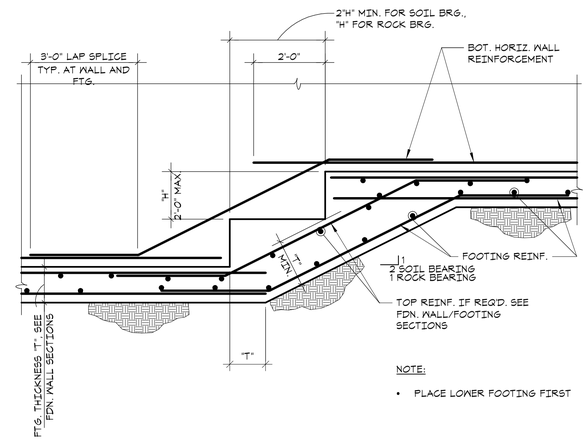
① TYPICAL CONCRETE WALL CONSTRUCTION DETAIL
NO SCALE



NOTES:

1. AT WALLS, ADDITIONAL REINFORCING SIZE SHALL MATCH HORIZONTAL AND VERTICAL REINFORCING. AT SLABS USE #5 BARS.
2. THIS DETAIL APPLIES AT ALL OPENINGS 12"x12" AND LARGER. DETAIL IS SIMILAR AT ALL CIRCULAR OPENINGS 12" AND LARGER.
3. COORDINATE ALL OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

② TYPICAL SLAB/WALL PENETRATION REINFORCING DETAIL
NO SCALE



NOTE:

- PLACE LOWER FOOTING FIRST

③ TYPICAL STEPPED FOOTING DETAIL
NO SCALE

NOTES:

1. AT STEP FOOTING, FOR WALL AND FTG. REINF. SEE "TYPICAL STEPPED FTG. DETAIL.
2. IF REQUIRED, FOR ADD'L WALL REINF. SEE "TYPICAL SLAB/WALL PENETRATION REINF. DETAIL.

④ TYPICAL STEP FOOTING DETAIL AT WALL PIPE PENETRATION
NO SCALE

⑤ HOUSEKEEPING PAD DETAIL
NO SCALE

SCHEDULE OF EMBEDMENT AND SPLICE LENGTH

BAR SIZE	COMPRESSION		TENSION (f'c = 3000 psi)								TENSION (f'c = 4000 psi)							
			EMBEDMENT LENGTH				LAP SPLICE LENGTH				EMBEDMENT LENGTH				LAP SPLICE LENGTH			
	EMBED. LENGTH	LAP SPLICE LENGTH	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
			CATEGORY SEE NOTE 1		CATEGORY SEE NOTE 1		CATEGORY SEE NOTE 1		CATEGORY SEE NOTE 1		CATEGORY SEE NOTE 1		CATEGORY SEE NOTE 1		CATEGORY SEE NOTE 1		CATEGORY SEE NOTE 1	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
#3	9"	12"	22"	33"	17"	25"	29"	43"	23"	33"	19"	28"	15"	22"	25"	37"	20"	29"
#4	11"	15"	29"	43"	22"	33"	38"	56"	29"	43"	25"	37"	19"	29"	33"	49"	25"	38"
#5	14"	19"	36"	54"	28"	42"	47"	71"	37"	55"	31"	47"	24"	36"	41"	62"	32"	47"
#6	17"	23"	43"	65"	33"	50"	56"	85"	43"	65"	37"	56"	29"	43"	49"	73"	38"	56"
#7	20"	27"	63"	94"	48"	72"	82"	123"	63"	94"	54"	81"	42"	63"	71"	106"	55"	82"
#8	22"	30"	72"	107"	55"	83"	94"	140"	72"	108"	62"	93"	48"	72"	81"	121"	63"	94"
#9	25"	34"	81"	121"	62"	93"	106"	158"	81"	121"	70"	105"	54"	81"	91"	137"	71"	106"
#10	28"	38"	91"	136"	70"	105"	119"	177"	91"	137"	79"	118"	61"	91"	103"	154"	80"	119"
#11	31"	43"	101"	151"	78"	116"	132"	197"	102"	151"	87"	131"	67"	101"	114"	171"	88"	132"
#14	38"	NP	121"	181"	93"	140"	NP	NP	NP	NP	105"	157"	81"	121"	NP	NP	NP	NP
#18	50"	NP	161"	242"	124"	186"	NP	NP	NP	NP	140"	209"	108"	161"	NP	NP	NP	NP
SEE NOTE 2	LCE	LCS	LTE				LTS				LTE				LTS			

NOTES:

1. THIS SCHEDULE INCLUDES EMBEDMENT AND SPLICE LENGTHS AS PER ACI 318-02 AND SATISFY THE PROJECT REQUIREMENTS AND THE FOLLOWING CRITERIA. SPECIFIED YIELD STRENGTH OF REINFORCEMENT, f_y = 60,000 psi NORMAL WEIGHT CONCRETE, w = 150 pcf. TENSION EMBEDMENT AND LAP SPLICE LENGTHS ARE DIVIDED INTO TWO CATEGORIES WHICH SHALL BE APPLIED AS FOLLOWS: CATEGORY 1: CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN THE BAR DIAMETER, CLEAR COVER NOT LESS THAN THE BAR DIAMETER, AND STIRRUPS OR TIES THROUGHOUT THE DEVELOPMENT NOT LESS THAN THE CODE MINIMUM; OR, CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED, NOT LESS THAN 2x THE BAR DIAMETER AND CLEAR COVER NOT LESS THAN THE BAR DIAMETER. CATEGORY 2: ALL OTHER CASES.
2. NOTATION USED IN SECTION AND DETAILS FOR VARIOUS EMBEDMENT AND SPLICE LENGTH REREQUIREMENTS.
3. USE COMPRESSION LAP SPLICE LENGTH (LCS) AT ALL COMPRESSION MEMBER SPLICE LOCATIONS NOT SPECIFICALLY DETAILED AND UNLESS INDICATED OTHERWISE ON PLANS OR DETAILS. USE TENSION SPLICE FOR ALL OTHER SPLICES (UNLESS OTHERWISE NOTED ON DWG'S).
4. THE STANDARD COMPRESSION LAP SPLICE IS (0.0005 x REINFORCED YIELD STRENGTH x THE BAR DIAMETER). THE STANDARD TENSION LAP SPLICE CLASS B IS 1.3 x THE DEVELOPMENT LENGTH. THE CONTRACTOR MAY SUBMIT LESSER SPLICE LENGTHS FOR REVIEW AND APPROVAL AT THE SAME TIME PROVIDING THE FOLLOWING INFORMATION.
   - A DETAILS PREPARED AND SUBMITTED BY THE CONTRACTOR INDICATING LOCATION AND PROPOSED LAYOUT OF REBARS AND LENGTH OF SPLICES.
   - B WHERE THE SIZE AND NUMBER OF TIES OR SPIRALS PERMITS THE REDUCTION OF LAP LENGTH, THOSE BARS SHALL BE INDICATED ON THE DETAILS.
   - C WHERE COMPUTED STRESS VALUES PERMIT THE REDUCTION OF LAP LENGTH, COMPUTATIONS SHALL BE SUBMITTED FOR REVIEW.
   - D THE APPLICABLE SECTION OF THE ACI 318-95 CODE PERMITTING THE LESSER SPLICE LENGTH SHALL BE INDICATED ON THE SUBMITTED MATERIAL.
5. TOP BARS ARE HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF CONCRETE IS CAST ON THE MEMBER BELOW THE BAR.
6. WHERE BARS OF DIFFERENT SIZE ARE TO BE SPLICED, THE SPLICE LENGTH FOR ALL BARS SHALL BE THAT REQUIRED FOR THE LARGEST.
7. "NP" INDICATES NOT PERMITTED. BARS LARGER THAN NO. 11 SHALL NOT BE SPLICED EXCEPT AS FOLLOWS: TO #11 BARS IN COMPRESSION, USE LARGER OF THE DEVELOPMENT LENGTH OF THE LARGER BAR OR THE SPLICE LENGTH OF THE SMALLER BAR (51" FOR #14 AND 68" FOR #18).

⑥ SCHEDULE OF EMBEDMENT AND SPLICE LENGTH
NO SCALE

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2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

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FOUNDATION SCHEDULES AND TYPICAL DETAILS

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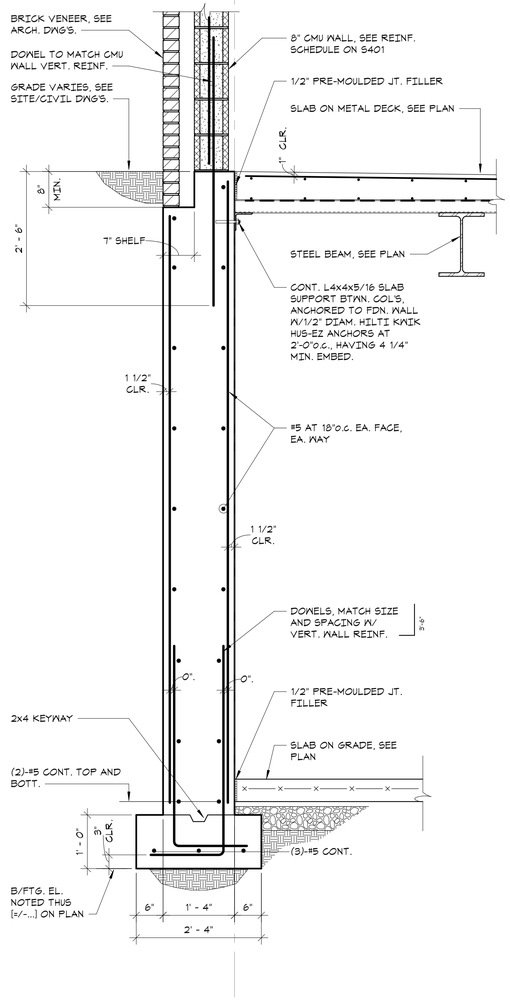
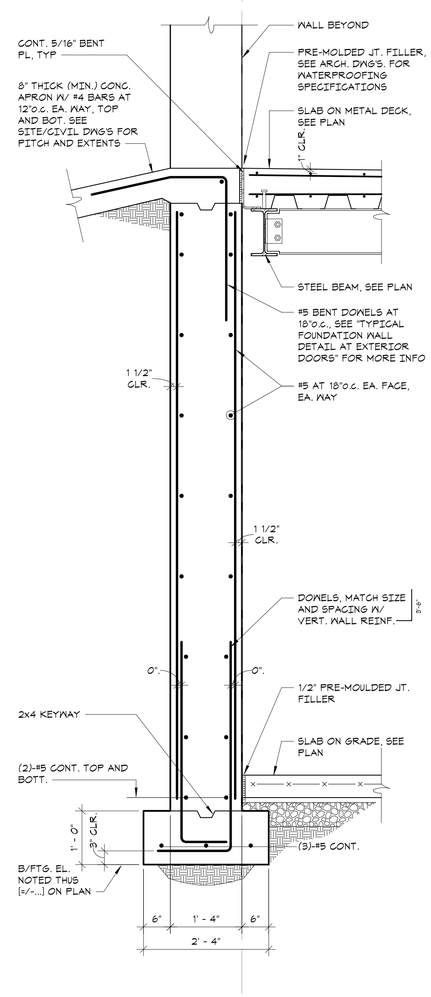
S202



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



2 SECTION
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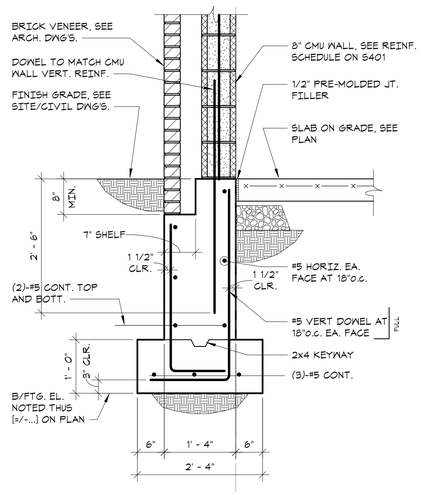

3 SECTION
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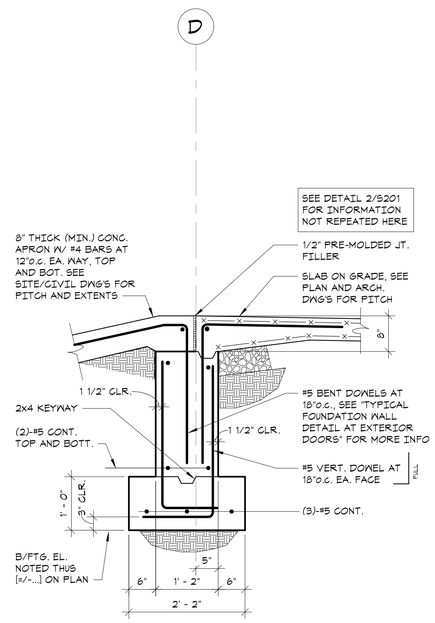

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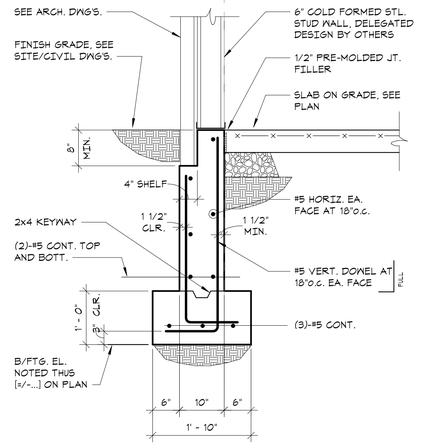
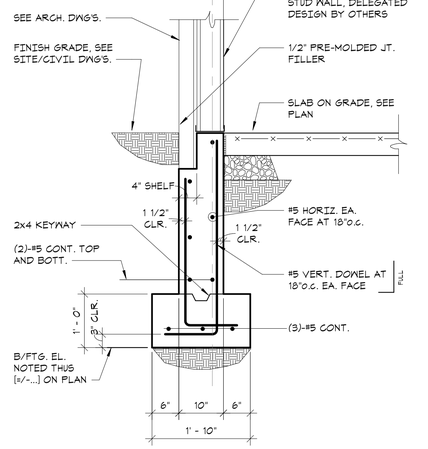


5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"

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FOUNDATION SECTIONS

Job No.	Date
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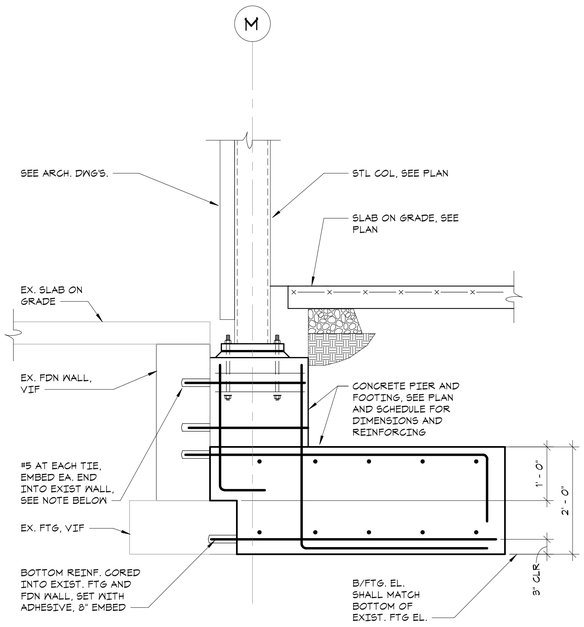
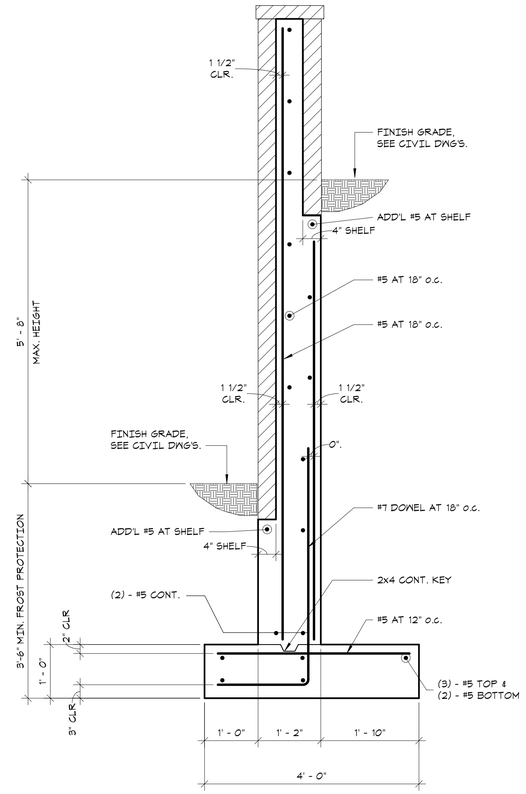
S210



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



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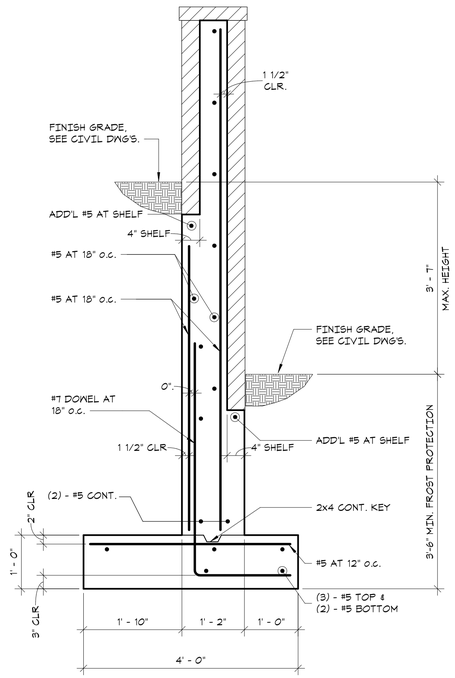

3 SECTION
3/4" = 1'-0"

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FOUNDATION SECTIONS

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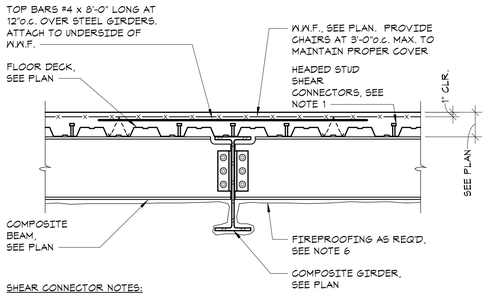
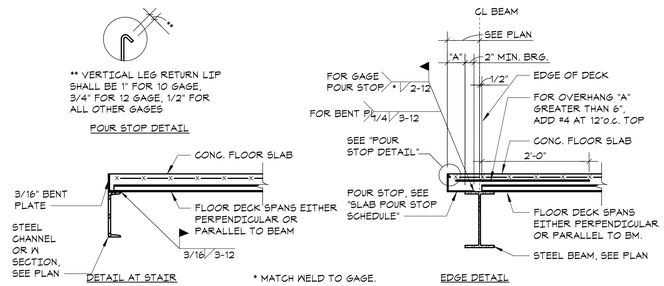
S211



SHEAR CONNECTOR NOTES:

1. HEADED STUD SHEAR CONNECTORS SHALL BE 3/4" DIAM. x LENGTH (AFTER INSTALLATION) AS FOLLOWS:
   - FOR 1 1/2" DECK, STUD LENGTH = 3"
   - FOR 2" DECK, STUD LENGTH = 3 1/2"
   - FOR 3" DECK, STUD LEGTH = 5"
2. SEE PLAN FOR NUMBER REQUIRED. BEAMS INDICATED (XX) REQUIRE XX NUMBER OF STUDS UNIFORMLY SPACED ALONG THE LENGTH OF THE BEAM.
3. BEAMS AND GIRDERS INDICATED (XX-X-XX) REQUIRE XX NUMBER OF STUDS UNIFORMLY SPACED BETWEEN THE END OF THE BEAMS AND GIRDERS AND THE FIRST SUPPORTED BEAM AND X NUMBER OF STUDS BETWEEN THE TWO SUPPORTED BEAMS. SEE PLANS FOR ADDITIONAL SPACING REQUIREMENTS.
4. WHEN THE QUANTITY OF STUDS EXCEEDS THE QUANTITY OF AVAILABLE RIBS OR THE REQUIRED MINIMUM SPACING, THEN THE EXCESS STUDS SHALL BE PLACED IN PAIRS STARTING AT EACH END OF THE BEAM.
5. MINIMUM STUD SPACING SHALL BE 4 1/2" ALONG THE LENGTH OF THE BEAM AND 3" ACROSS WIDTH OF THE BEAM FLANGES.
6. FLOOR CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FIRE RESISTANCE RATING AND THE UL DESIGN NO. AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

1 TYPICAL COMPOSITE BEAM FLOOR CONSTRUCTION DETAIL
NO SCALE

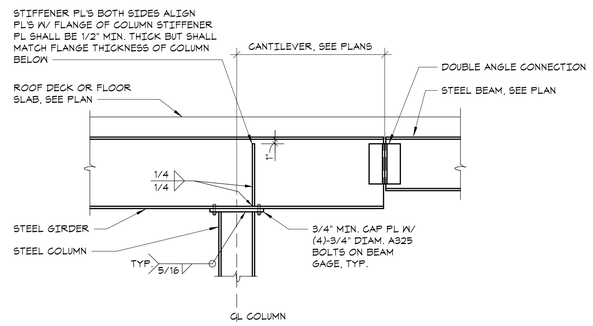


SLAB POUR STOP SCHEDULE

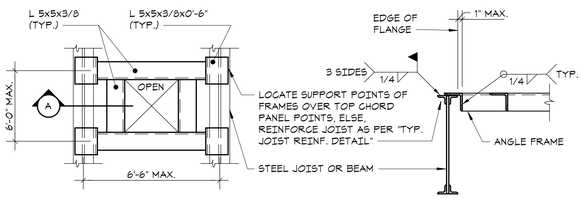
SLAB THICKNESS	"A" DIMENSION (OVERHANG)	POUR STOP
2 1/2" TO 5 1/2"	0" UP TO 2"	18 GA.
	GREATER THAN 2", UP TO 4"	16 GA.
	GREATER THAN 4", UP TO 6"	14 GA.
	GREATER THAN 6", UP TO 9"	12 GA.
	GREATER THAN 9", UP TO 11"	10 GA.
	GREATER THAN 11", UP TO 1'-4"	5/16" BENT PLATE
5 3/4" TO 6 1/2"	0" UP TO 2"	16 GA.
	GREATER THAN 2", UP TO 4"	14 GA.
	GREATER THAN 4", UP TO 8"	12 GA.
	GREATER THAN 8", UP TO 10"	10 GA.
	GREATER THAN 10", UP TO 1'-4"	5/16" BENT PLATE
6 3/4" TO 8"	0" UP TO 1"	14 GA.
	GREATER THAN 1", UP TO 5"	12 GA.
	GREATER THAN 5", UP TO 8"	10 GA.
	GREATER THAN 8", UP TO 1'-4"	5/16" BENT PLATE

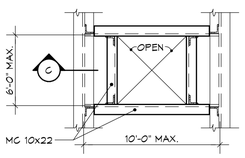
NOTE: POUR STOPS INDICATED IN THIS DETAIL ARE TO BE USED UNLESS OTHERWISE DETAILED.

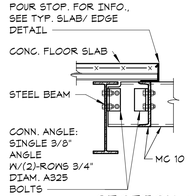
2 TYPICAL SLAB EDGE DETAILS
NO SCALE



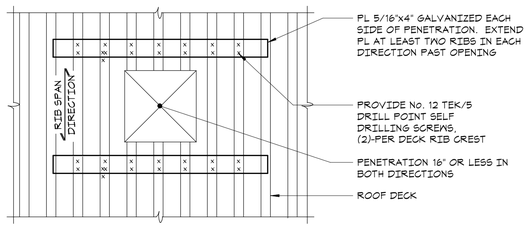
3 TYPICAL CANTILEVER GIRDER OVER COLUMN CONNECTION DETAIL
NO SCALE







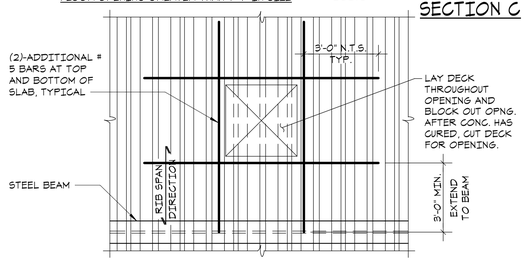
ROOF OPENING GREATER THAN 1'-4" IN SIZE



ROOF OPENING DETAIL 1'-4" OR LESS IN SIZE

SECTION A

FLOOR OPENING GREATER THAN 1'-4" IN SIZE

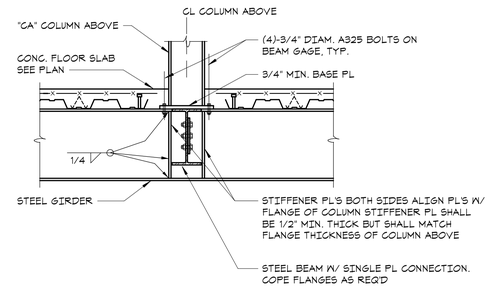


FLOOR OPENING DETAIL 1'-4" OR LESS IN SIZE

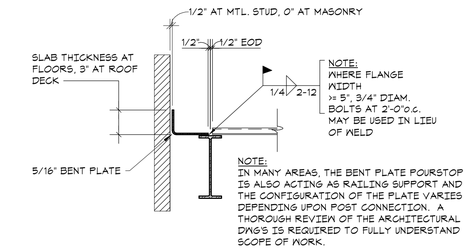
NOTE:
SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL ROOF/ FLOOR PENETRATIONS. DO NOT SCALE OPENINGS.

SECTION C

4 TYPICAL ROOF/FLOOR OPENING DETAIL
NO SCALE



5 TYPICAL GIRDER SUPPORTING COLUMN CONNECTION DETAIL
NO SCALE



6 TYPICAL BENT PLATE DETAIL
NO SCALE

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Sheet Title

STEEL FRAMING SCHEDULES AND TYPICAL DETAILS

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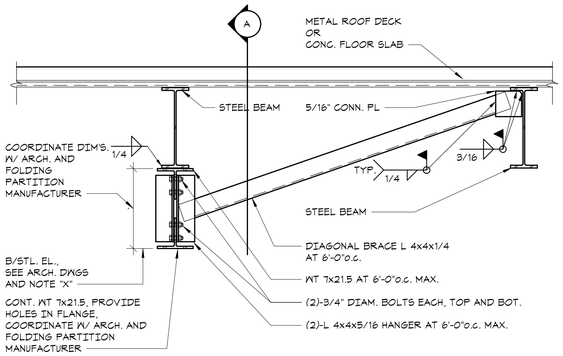
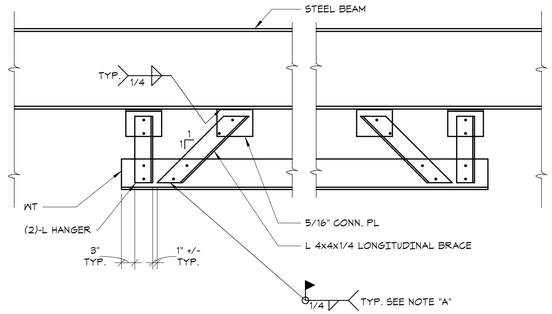
S301



SECTION

NOTE "X":
WHERE BOTTOM OF STEEL ELEVATION REQUIRED FOR SUPPORT OF THE FOLDING PARTITION, AS INDICATED ON THE ARCH. DRAWINGS, IS SUCH THAT IT IS AT THE BOTTOM OF THE STEEL BEAM, THEN OMIT THE WTMEMBERS AND DOUBLE ANGLE HANGERS AND PROVIDE HOLES IN THE MEMBERS AND DOUBLE ANGLE HANGERS AND PROVIDE HOLES IN THE BOTTOM FLANGE OF THE STEEL BEAM. CONNECT BRACE TO TOP OF BOTTOM FLANGE OF STEEL BEAM WITH PLATES AND WELD SAME AS INDICATED AT ADJACENT BEAM.

FOR LONGITUDINAL BRACING REQUIREMENTS, SEE DETAIL "A".

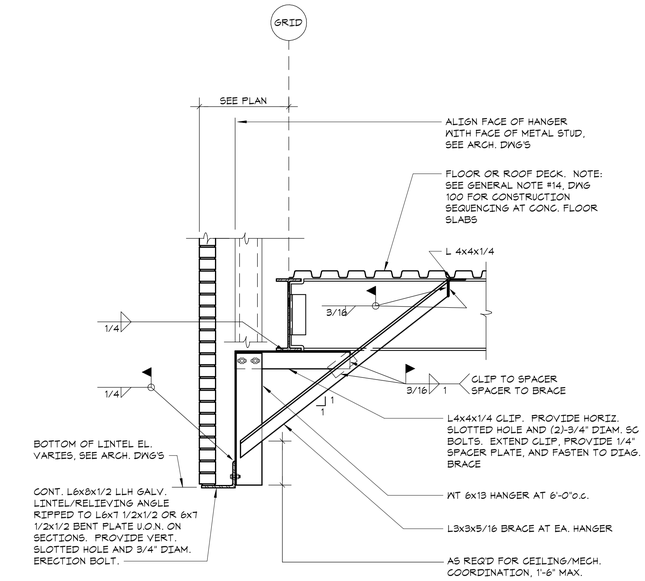


LONGITUDINAL BRACING DETAIL (A)

NOTE:
- PROVIDE LONGITUDINAL BRACE AT EACH END OF WT SUPPORT.
- DIAGONAL BRACE NOT SHOWN FOR CLARITY.

NOTE "A":
IN LIEU OF WELDING, (2)-3/4" DIAM. A325 BOLTS MAY BE USED AT CONNECTIONS.

1 FOLDING PARTITION SUPPORT DETAIL
NO SCALE



2 TYPICAL HUNG LINTEL/RELIEVING ANGLE DETAIL
NO SCALE

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Sheet Title

STEEL FRAMING TYPICAL DETAILS

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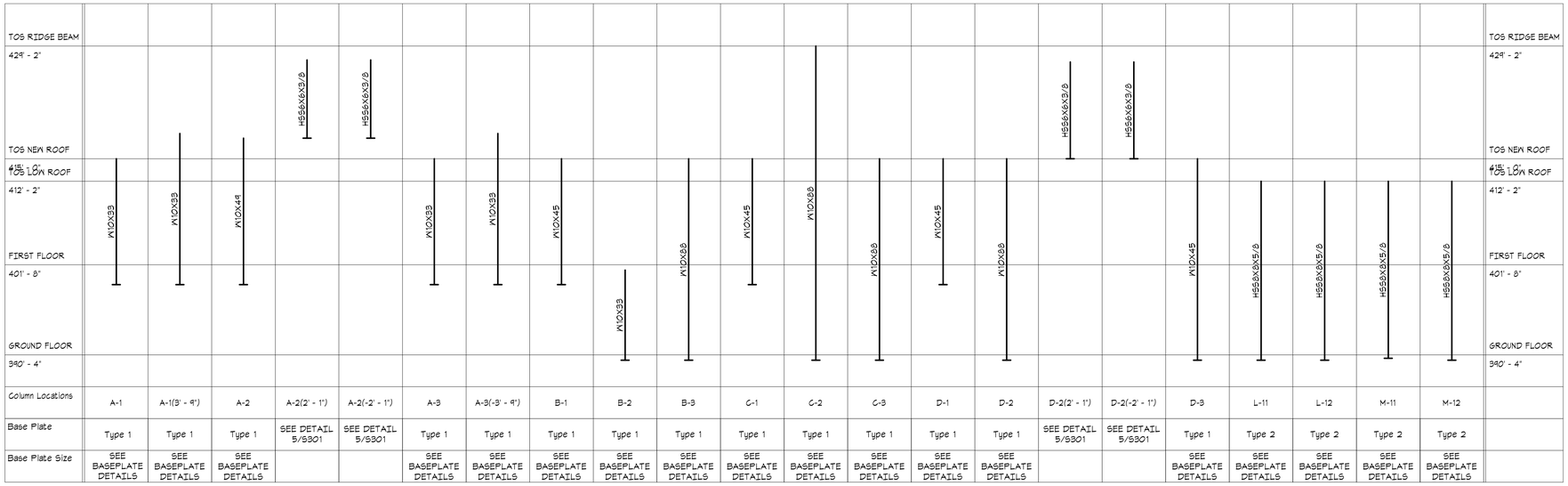
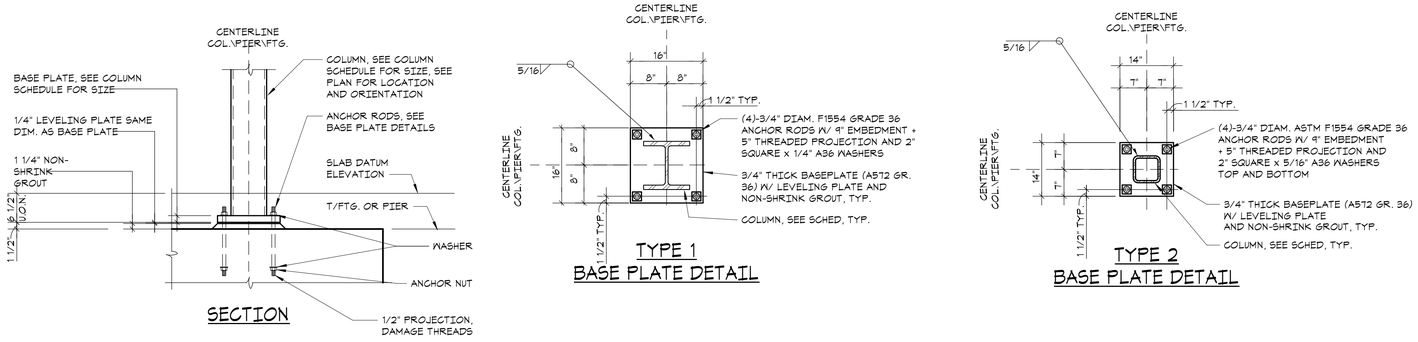
S302



GRAPHICAL COLUMN SCHEDULE

NO SCALE



① TYPICAL STEEL COLUMN BASE PLATE DETAILS

NO SCALE

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STEEL COLUMN SCHEDULE AND BASE PLATE DETAILS

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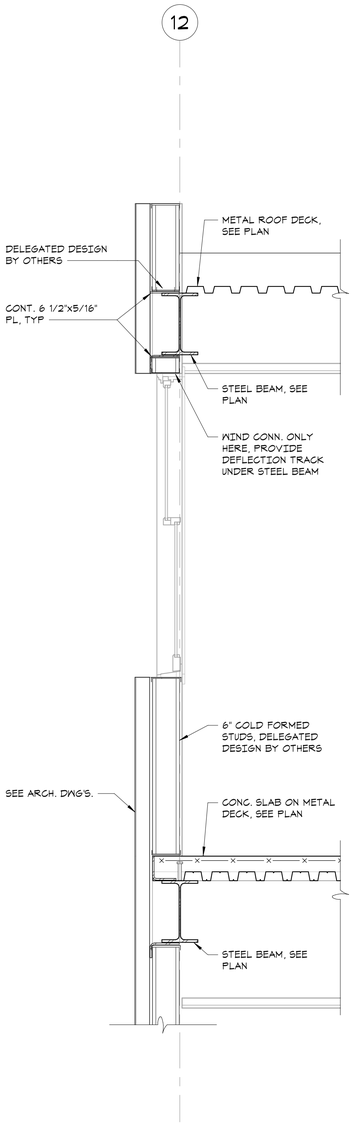
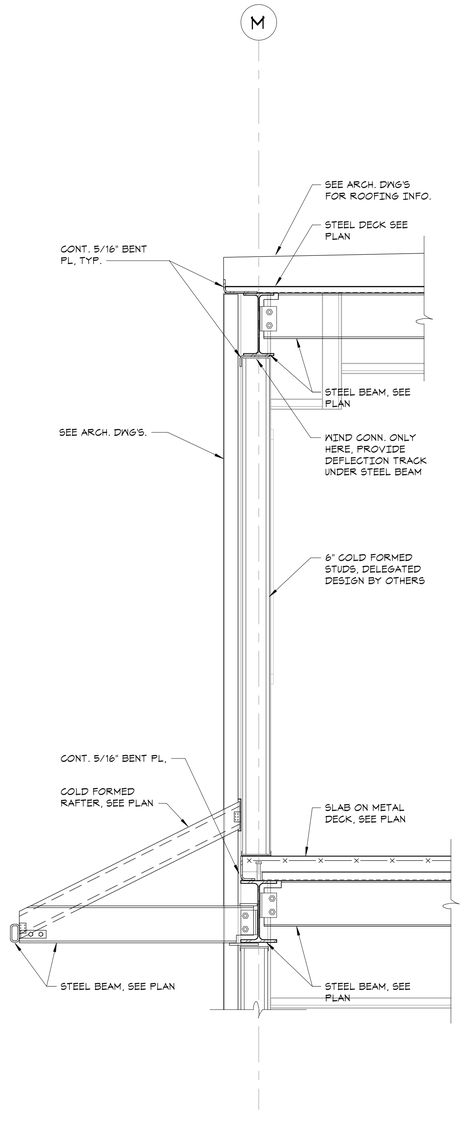
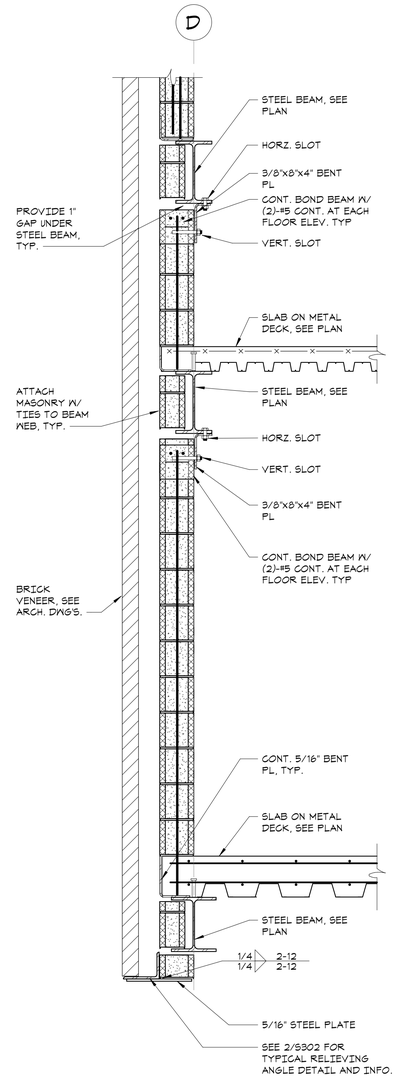
S310



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



2 SECTION
3/4" = 1'-0"



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

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Sheet Title

STEEL FRAMING SECTIONS

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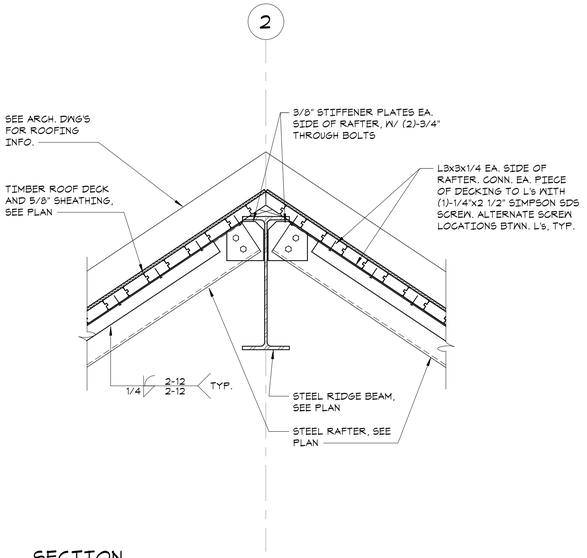
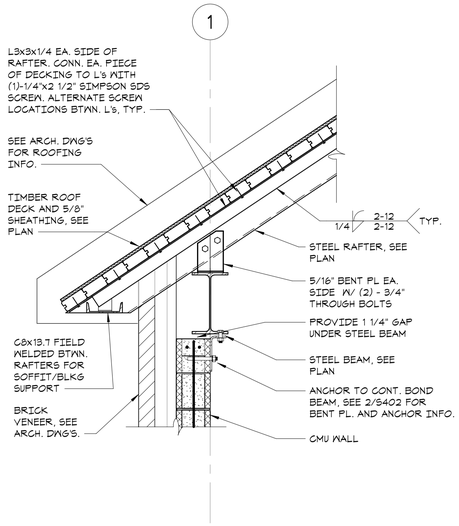
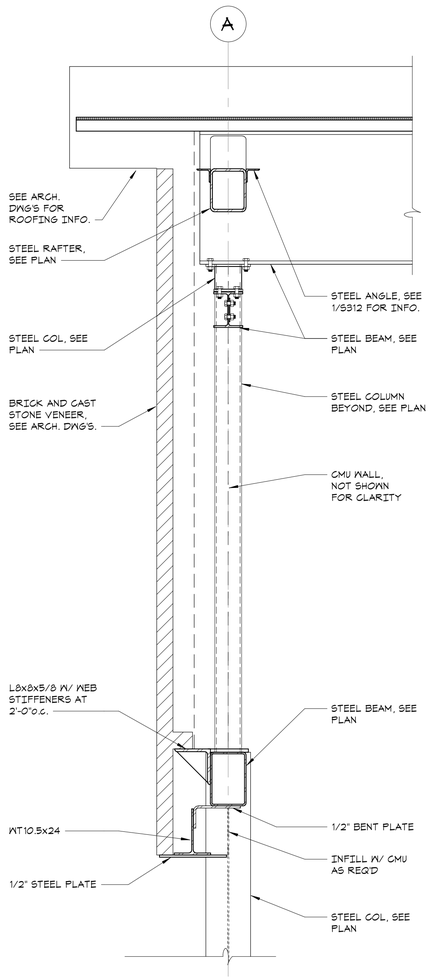


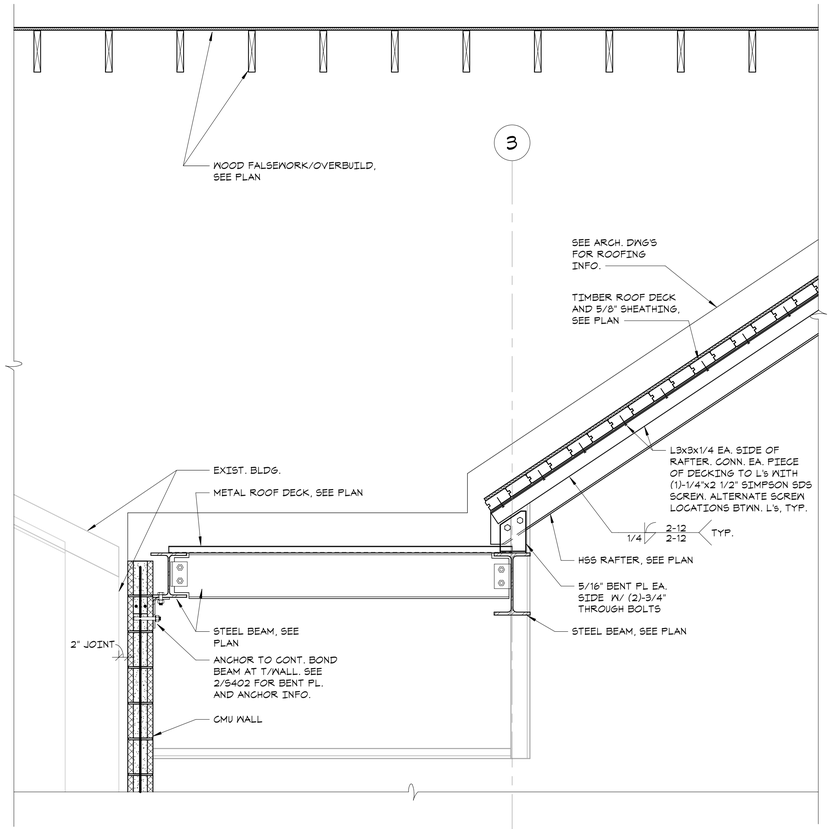
1 SECTION
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"



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



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

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KEYNOTES

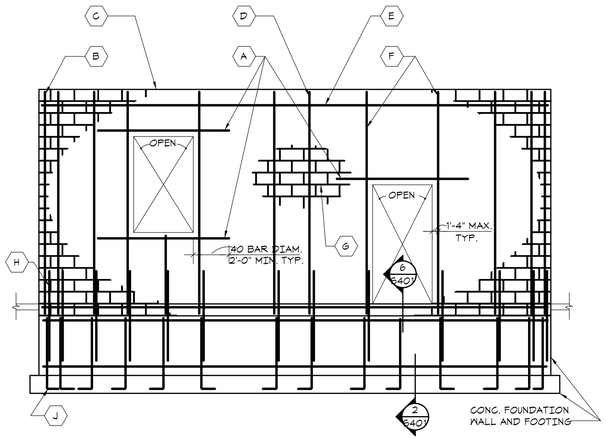
A	(2)-#5 HORIZ. REINF. GROUTED SOLID IN BOND BEAMCOURSE TYP. ABOVE AND BELOW ALL OPENINGS. FOR HORIZONTAL REINFORCING IN MASONRY LINTELS SEE "TYPICAL MASONRY LINTEL IN NON-LOAD BEARING WALL DETAIL"
B	VERT. FULL HEIGHT REINF. IN SOLID GROUT, TYP. AT WALL ENDS, CORNERS, AND EACH SIDE OF CJ'S.SEE REINFORCEMENT SCHEDULE
C	CMU WALL. FOR SIZE, SEE PLANS AND REINFORCEMENT SCHEDULE.
D	TYP. VERTICAL REINF., SEE REINFORCEMENT SCHEDULE (U.O.N. BY SECTION). FILL CELLS CONTAINING REINF. SOLID W/ GROUT .
E	(2)-#5 HORIZ. REINF. AT TOP OF WALL GROUTED SOLID IN BOND BEAM COURSE. PLACE REINF. ONE COURSE LOWER WHERE WALL ABUTS FLOOR ABOVE.
F	VERT. FULL HEIGHT REINF. IN SOLID GROUT, TYP. AT BOTH SIDES OF ALL WALL OPENINGS, SEE REINFORCEMENT SCHEDULE.
G	HORIZ. JOINT REINFORCING, SEE GENERAL NOTES.
H	PROVIDE REINFORCING DOWELS BETWEEN FDN. AND MASONRY WALL EQUAL TO SIZE AND SPACING OF MASONRY VERT. WALL REINFORCING (MAX. SPACING = 4'-0"o.c.). REINFORCING DOWELS SHALL EXTEND INTO MASONRY WALLS AND SHALL BE LAPPED 48 BAR DIAM.
J	PROVIDE REINFORCING DOWELS BETWEEN FTG. AND FDN. WALL EQUAL TO SIZE AND SPACING OF MASONRY VERT. WALL REINFORCING (MAX. SPACING = 4'-0"o.c.). REINFORCING DOWELS SHALL EXTEND INTO MASONRY WALLS AND SHALL BE LAPPED 48 BAR DIAM.

REINFORCEMENT SCHEDULE

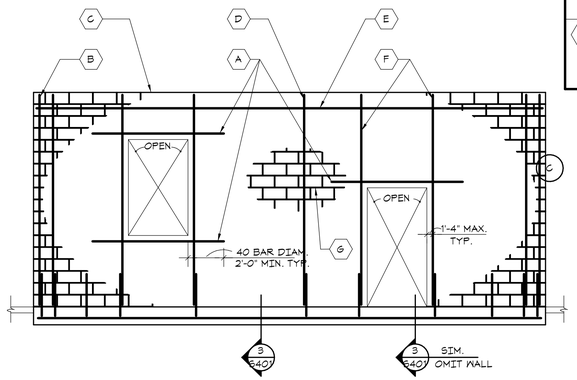
WALL DESCRIPTION	WALL ELEVATION TYPE	VERTICAL REINFORCEMENT	
6", 8" CMU EXTERIOR WALLS	A	D #5 AT 32"o.c. (#5 AT 24" o.c. AT 6" CMU) B (3)-#5's F (1)-#5	
8" CMU PARTITIONS	B	D #4 AT 48"o.c. B (1)-#4 F (1)-#4	NOTE: ALL 8" CMU PARTITIONS MUST BE BRACED AT EACH FLOOR LEVEL.
6" CMU PARTITIONS	B	D #4 AT 48"o.c. B (1)-#4 F (1)-#4	NOTE: ALL 6" CMU PARTITIONS MUST BE BRACED AT EACH FLOOR LEVEL.

- SEE WALL ELEVATIONS (A) AND (B) FOR PLACEMENT OF REINFORCEMENT AND ADDITIONAL REQUIREMENTS.
- ALL WALLS SHALL HAVE HORIZ. JOINT REINFORCEMENT AS PER GENERAL NOTES. AT SHEAR WALLS PROVIDE ADDITIONAL HORIZ. JOINT REINFORCEMENT AS PER "TYP. REINF. ARRANGEMENTS AT CMU SHEAR WALL ENDS, CORNERS, AND INTERSECTIONS."

NOTES:
1. FOR SHEAR WALL LOCATIONS AND EXTENT, SEE FRAMING AND FDN. PLANS.
2. FOR CMU WALL LOCATIONS AND EXTENT, SEE ARCH. DWGS.
3. SEE ARCH. DWGS. FOR LOCATIONS OF CONTROL JOINTS. DO NOT LOCATE CONTROL JOINTS WITHIN 32" OF MASONRY OPENINGS.
4. ALL CMU CELLS CONTAINING VERTICAL REINFORCEMENT SHALL BE GROUTED SOLID.
5. ALL GROUTED CELLS SHALL BE MECHANICALLY VIBRATED IN ACCORDANCE WITH ACI 530. IN ADDITION, AFTER 10 MINUTES, MECHANICALLY VIBRATE GROUTED CELLS A SECOND TIME.
6. BOND BEAM AT SLOPING STEEL BEAMS/ROOFS/CEILINGS: ELEVATION OF CONTINUOUS BOND BEAM MUST VARY W/ SLOPING STL. BM./ROOF/CEILING. WHERE CHANGES COURSE, RUN BOND BEAM IN BOTH COURSES FOR A MINIMUM OF 6'-0"

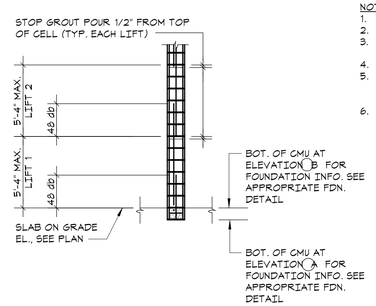


ELEVATION AT SHEAR WALLS AND EXTERIOR WALLS (A)



ELEVATION AT PARTITION WALLS (B)

- PARTITIONS ARE WALLS OTHER THAN SHEAR WALLS, EXTERIOR WALLS, AND BEARING WALLS

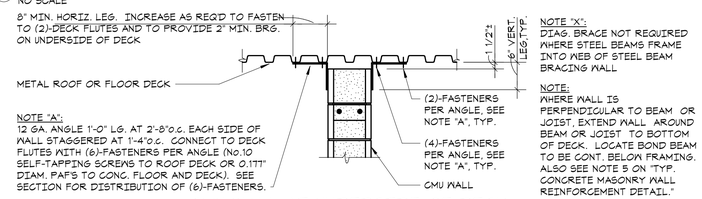


SECTION - LOW LIFT WALL GROUTING DETAIL

- FOR ADDITIONAL GROUTING REQUIREMENTS, SEE NOTE 4 AND GENERAL NOTES.

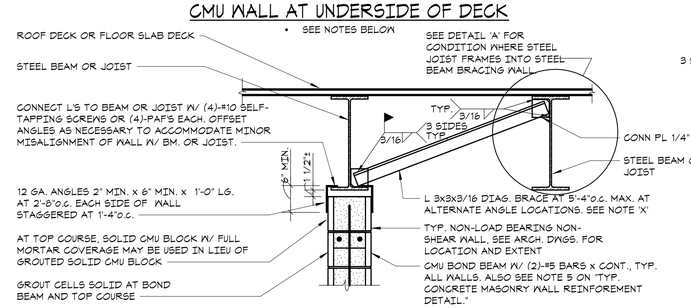
TYPICAL CONCRETE MASONRY WALL REINFORCEMENT DETAIL (1)

NO SCALE

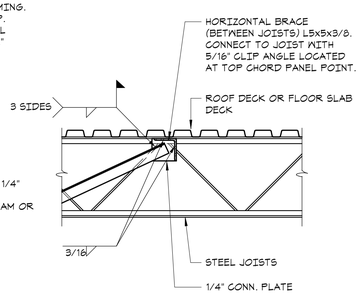


CMU WALL AT UNDERSIDE OF DECK

- SEE NOTES BELOW



CMU WALL AT STEEL BEAM OR JOIST

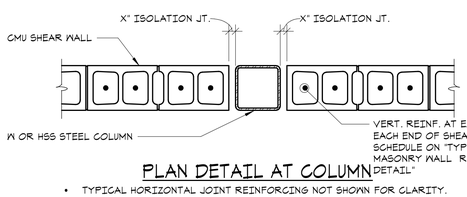


DETAIL 'A'

NOTES:
1. THESE DETAILS APPLY AT INTERIOR CMU WALLS WHICH ARE NOT SHEAR WALLS AND ARE NON-LOAD BEARING. SEE ARCHITECTURAL DRAWINGS FOR SIZE, LENGTH, AND LOCATION OF INTERIOR CMU WALLS.
2. BRACING AT TOP OF WALL IS NOT REQUIRED BETWEEN INTERSECTING CMU WALLS SPACED LESS THAN 10 FEET FOR 4" WALLS, 14 FEET FOR 6" WALLS, 17 FEET FOR 8" WALLS, AND 21 FEET FOR 12" WALLS.
3. WHERE LOCATION OF CMU WALL FACE IS OFF BEAM/JOIST CENTERLINE SUCH THAT ABOVE GAGE ANGLES AT STEEL BEAM OR STEEL DECK CAN NOT SANDWICH CMU WALL FROM BOTH SIDES, BRACE CMU WALL WITH STEEL ANGLES/BENT PLATES AND THREADED RODS SIMILAR TO SECTION "TYPICAL CONNECTION DETAIL AT TOP OF SHEAR/EXTERIOR WALLS", EXCEPT IN LIEU OF WELDING ANGLE/BENT PLATE TO BOTTOM FLAGE OF BEAM, BOLT TO BOTTOM FLANGE OF BEAM WITH (2) 3/4" DIAM. A325 BOLTS IN 1 7/8" LONG HORIZONTAL SLOTTED HOLES (SLOTS PARALLEL TO SPAN OF BEAM).

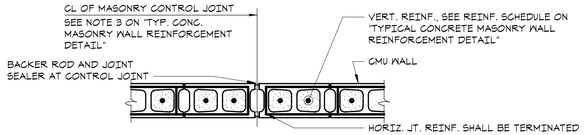
TYPICAL BRACING DETAIL AT TOP OF PARTITION WALL (5)

NO SCALE

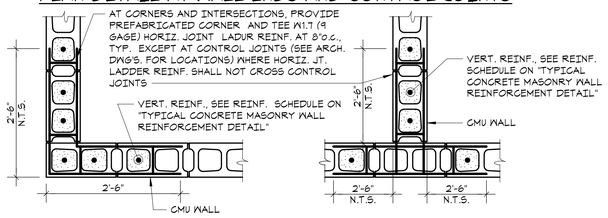


PLAN DETAIL AT COLUMN

- TYPICAL HORIZONTAL JOINT REINFORCING NOT SHOWN FOR CLARITY.



PLAN DETAIL AT WALL ENDS AND CONTROL JOINTS

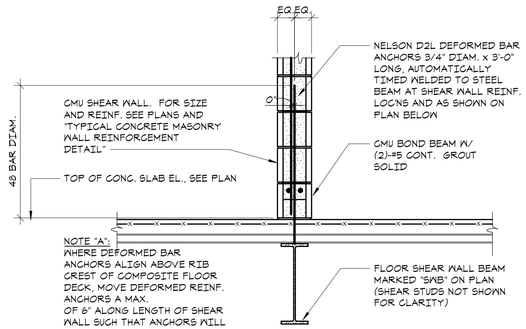


PLAN DETAIL AT CORNERS AND INTERSECTIONS

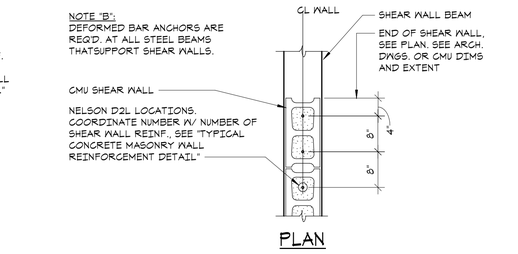
- TYPICAL HORIZONTAL JOINT REINFORCING (NOT SHOWN FOR CLARITY).

TYPICAL MASONRY WALL PLAN DETAILS (4)

NO SCALE



SECTION



PLAN

TYPICAL BASE ANCHORAGE DETAIL FOR EXTERIOR / SHEAR WALLS ON ELEVATED SLABS AND BEAMS (7)

NO SCALE

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CONSTRUCTION DOCUMENTS

Professional Seal

STATE OF NEW YORK · BRYAN B. WALSH · LICENSED PROFESSIONAL ENGINEER · 094509

Exp. 05/31/26

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
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1	07-29-2023	SCHEMATIC DESIGN

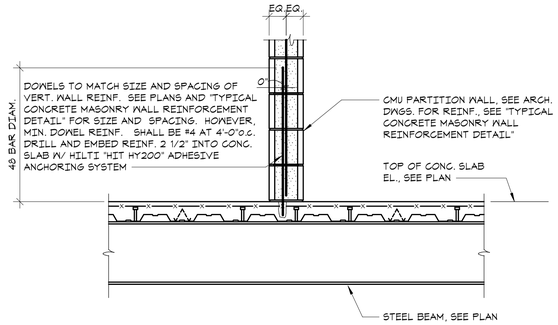
Sheet Title

MASONRY SCHEDULE AND TYPICAL DETAILS

Job No.	Date
23062.00	01/31/24
Scale: AS NOTED	Drawn / Checked: JM

Sheet Number

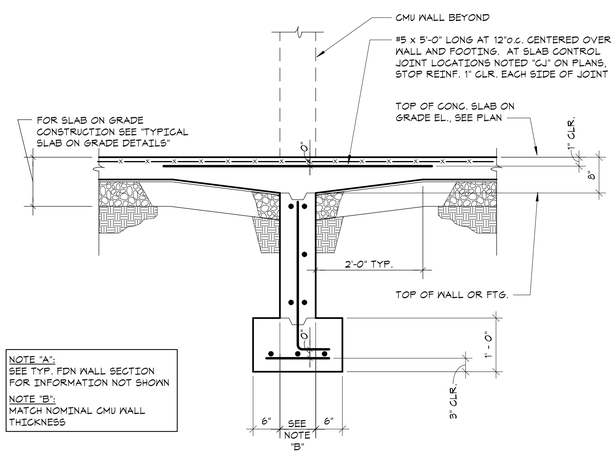
S401



NOTE "A":
THIS DETAIL APPLIES AT INT. CMU WALLS WHICH ARE NOT SHEAR WALLS AND ARE NON-LOAD BEARING. SEE ARCH. DWGS. FOR SIZE, LENGTH, EXTENT, AND LOCATION OF INT. CMU WALLS.

NOTE "B":
ALTERNATE TO CAST DOWELS: PROVIDE DRILLED DOWELS (NOT SHOWN). MATCH SIZE AND SPACING OF VERTICAL WALL REINF. MAX. SPACING 4'-0"O.C. DRILL AND EMBED DOWELS 8" INTO CONC. WITH HILTI "RE-500SD" ADHESIVE ANCHORING SYSTEM OR SIMPSON "SET-XP" ADHESIVE ANCHORING SYSTEM.

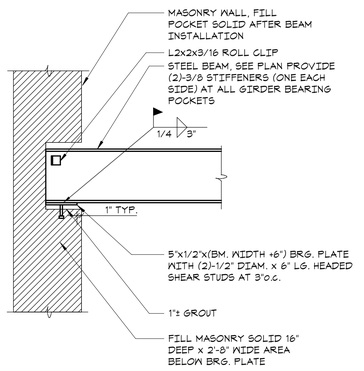
1 TYPICAL BASE ANCHORAGE DETAIL FOR PARITION WALLS ON ELEVATED SLABS
NO SCALE



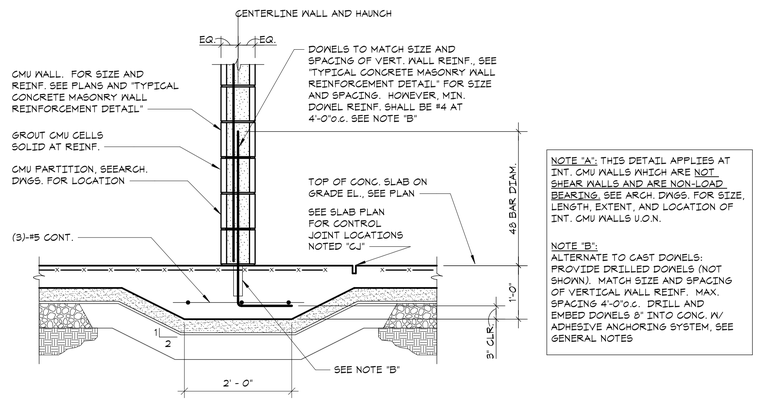
NOTE "A":
SEE TYP. FDN WALL SECTION FOR INFORMATION NOT SHOWN

NOTE "B":
MATCH NOMINAL CMU WALL THICKNESS

3 TYPICAL FOUNDATION DETAIL FOR MASONRY WALLS AT WALL OPENINGS
NO SCALE



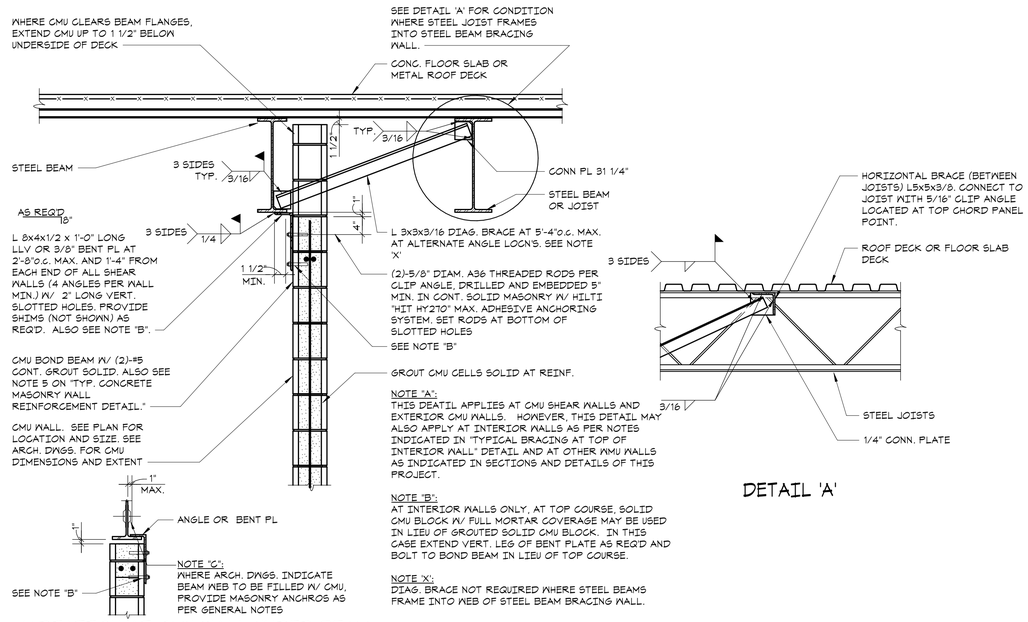
4 TYPICAL BRG. POCKET DETAIL
NO SCALE



NOTE "A": THIS DETAIL APPLIES AT INT. CMU WALLS WHICH ARE NOT SHEAR WALLS AND ARE NON-LOAD BEARING, SEE ARCH. DWGS. FOR SIZE, LENGTH, EXTENT, AND LOCATION OF INT. CMU WALLS U.O.N.

NOTE "B":
ALTERNATE TO CAST DOWELS: PROVIDE DRILLED DOWELS (NOT SHOWN). MATCH SIZE AND SPACING OF VERTICAL WALL REINF. MAX. SPACING 4'-0"O.C. DRILL AND EMBED DOWELS 8" INTO CONC. W/ ADHESIVE ANCHORING SYSTEM, SEE GENERAL NOTES

5 TYPICAL PARTITION WALL SUPPORT DETAIL
NO SCALE



NOTE "A":
THIS DEATIL APPLIES AT CMU SHEAR WALLS AND EXTERIOR CMU WALLS. HOWEVER, THIS DETAIL MAY ALSO APPLY AT INTERIOR WALLS AS PER NOTES INDICATED IN "TYPICAL BRACING AT TOP OF INTERIOR WALL" DETAIL AND AT OTHER CMU WALLS AS INDICATED IN SECTIONS AND DETAILS OF THIS PROJECT.

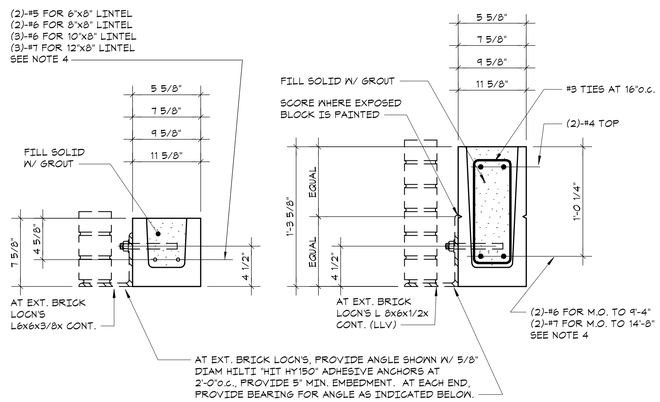
NOTE "B":
AT INTERIOR WALLS ONLY, AT TOP COURSE, SOLID CMU BLOCK W/ FULL MORTAR COVERAGE MAY BE USED IN LIEU OF GROUTED SOLID CMU BLOCK. IN THIS CASE EXTEND VERT. LEG OF BENT PLATE AS REQ'D AND BOLT TO BOND BEAM IN LIEU OF TOP COURSE.

NOTE "X":
DIAG. BRACE NOT REQUIRED WHERE STEEL BEAMS FRAME INTO WEB OF STEEL BEAM BRACING WALL.

VARIATION AT CMU WALL UNDER BEAM

2 TYPICAL CONNECTION DETAIL AT TOP OF SHEAR/EXTERIOR WALLS
NO SCALE

DETAIL 'A'



6"x8", 8"x8", 10"x8" AND 12"x8" LINTEL6"x16", 8"x16", 10"x16" AND 12"x16" LINTEL

FOR M.O. TO 8'-8"
8" BEARING (MIN.) EACH END
SEE LINTEL NOTES

FOR M.O. TO 14'-8"
12" BEARING (MIN.) EACH END
SEE LINTEL NOTES

NOTE:
1. THIS DETAIL APPLIES ONLY TO LINTELS IN NON-LOAD BEARING WALLS.
2. AT EACH SIDE OF WALL OPENINGS, PROVIDE VERT. REINF. FULL HEIGHT AS PER "TYPICAL CONCRETE MASONRY WALL REINFORCEMENT DETAIL".
3. SEE MASONRY GENERAL NOTES FOR INFO. REGARDING MASONRY LINTELS NOT SHOWN ON STRUCTURAL PLANS AND INFO. REGARDING TEMPORARY SUPPORT.
4. EXTEND REINFORCING BARS PAST OPENINGS AS PER "TYPICAL CONCRETE MASONRY WALL REINFORCEMENT DETAIL".

6 TYPICAL MASONRY LINTELS IN NON-LOAD BEARING WALLS DETAILS
NO SCALE

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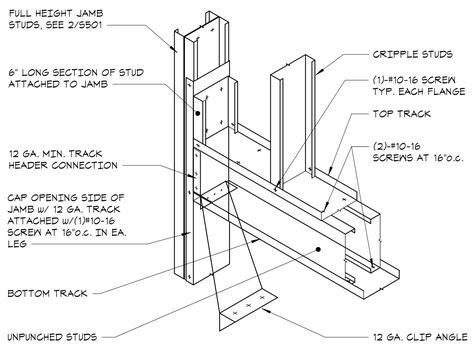
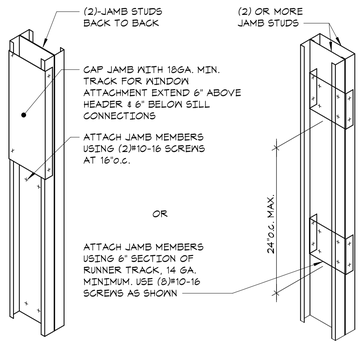
Sheet Title
MASONRY TYPICAL DETAILS

Job No.	Date
23062.00	01/31/24
Scale	Drawn / Checked
AS NOTED	JM

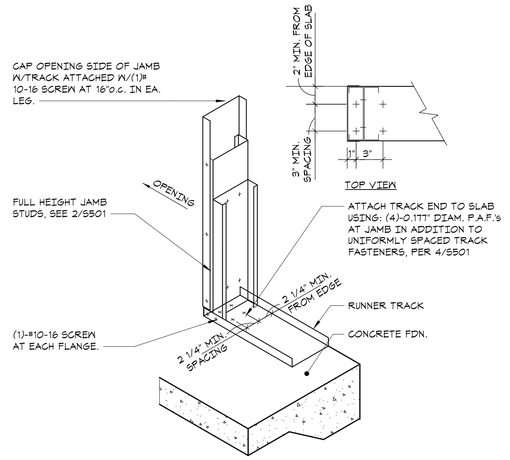
Sheet Number
S402



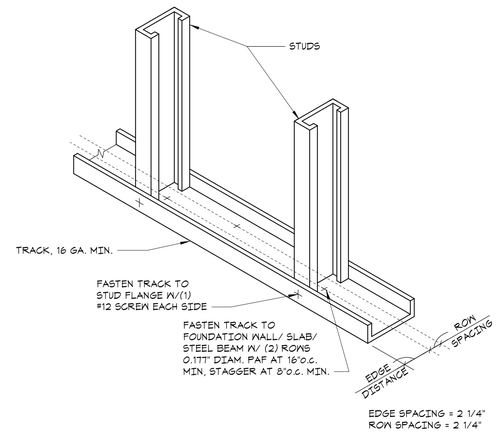
1 TYPICAL BOXED HEADER DETAIL
NO SCALE



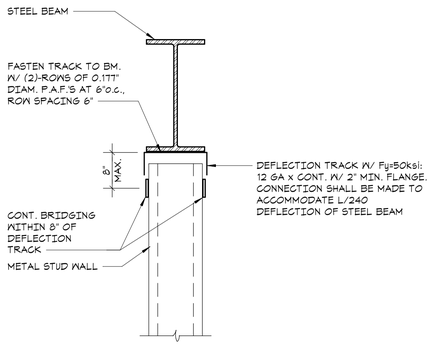
2 TYPICAL BUILT-UP JAMB DETAIL
NO SCALE



3 TYPICAL JAMB ANCHORAGE DETAIL
NO SCALE



4 TYPICAL COLD FORMED STUD WALL DETAIL
NO SCALE



5 TYPICAL DEFLECTION TRACK DETAIL
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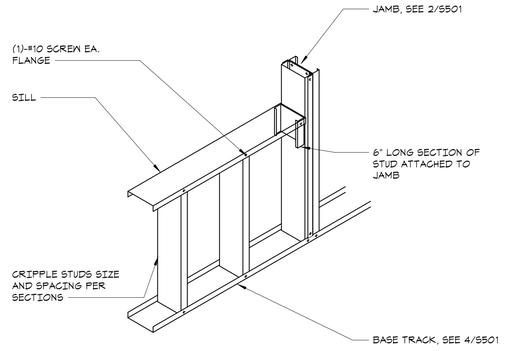
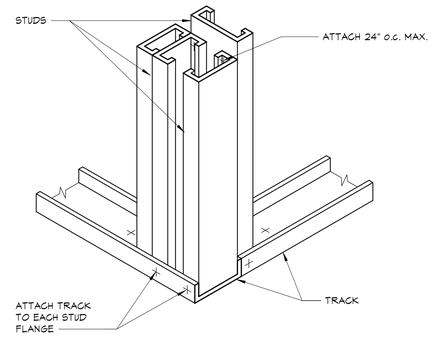
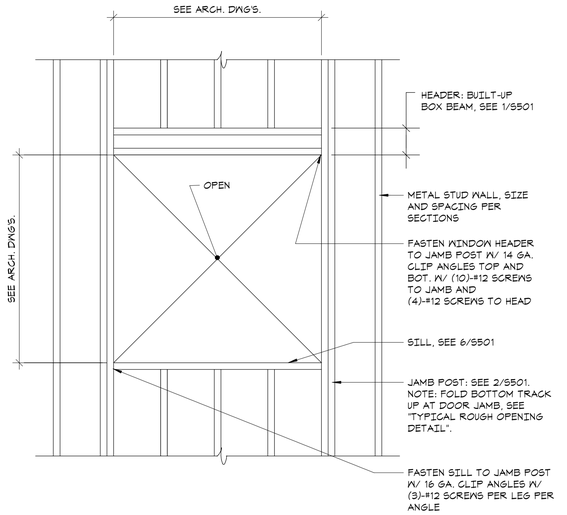


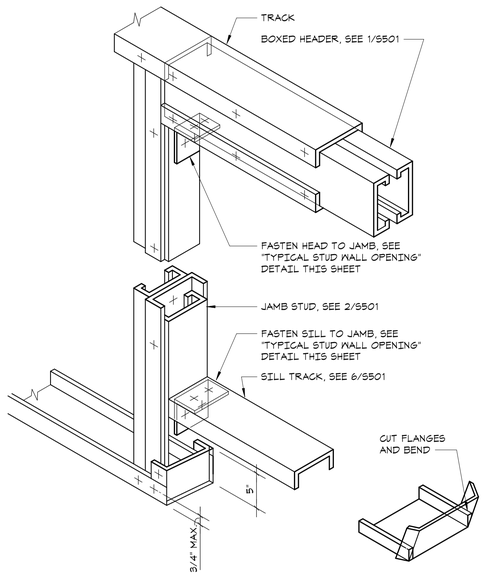
6 TYPICAL SILL DETAIL
NO SCALE



7 TYPICAL STUD WALL CORNER DETAIL
NO SCALE



8 TYPICAL STUD WALL OPENING
NO SCALE



9 TYPICAL ROUGH OPENING DETAIL
NO SCALE

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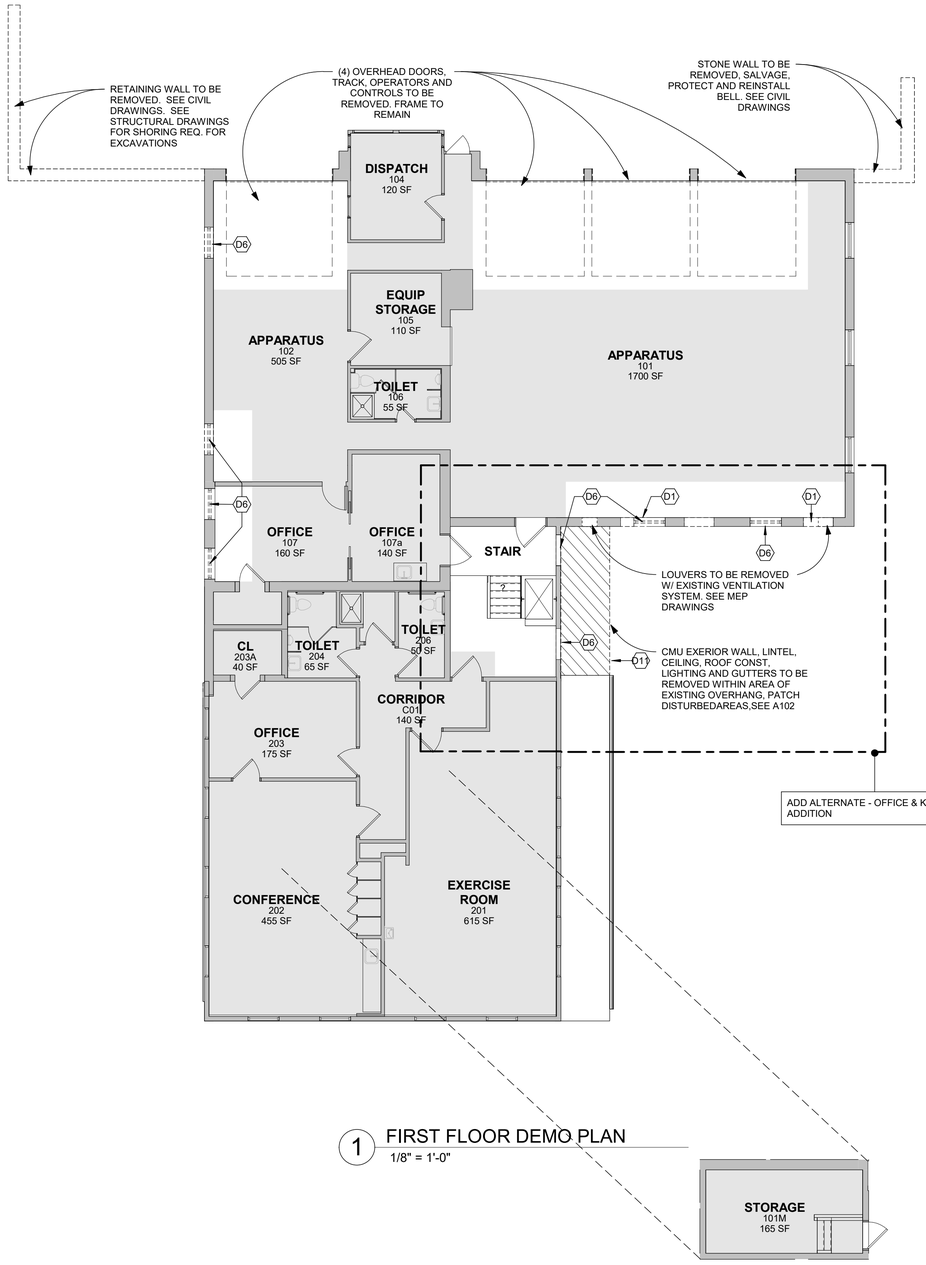
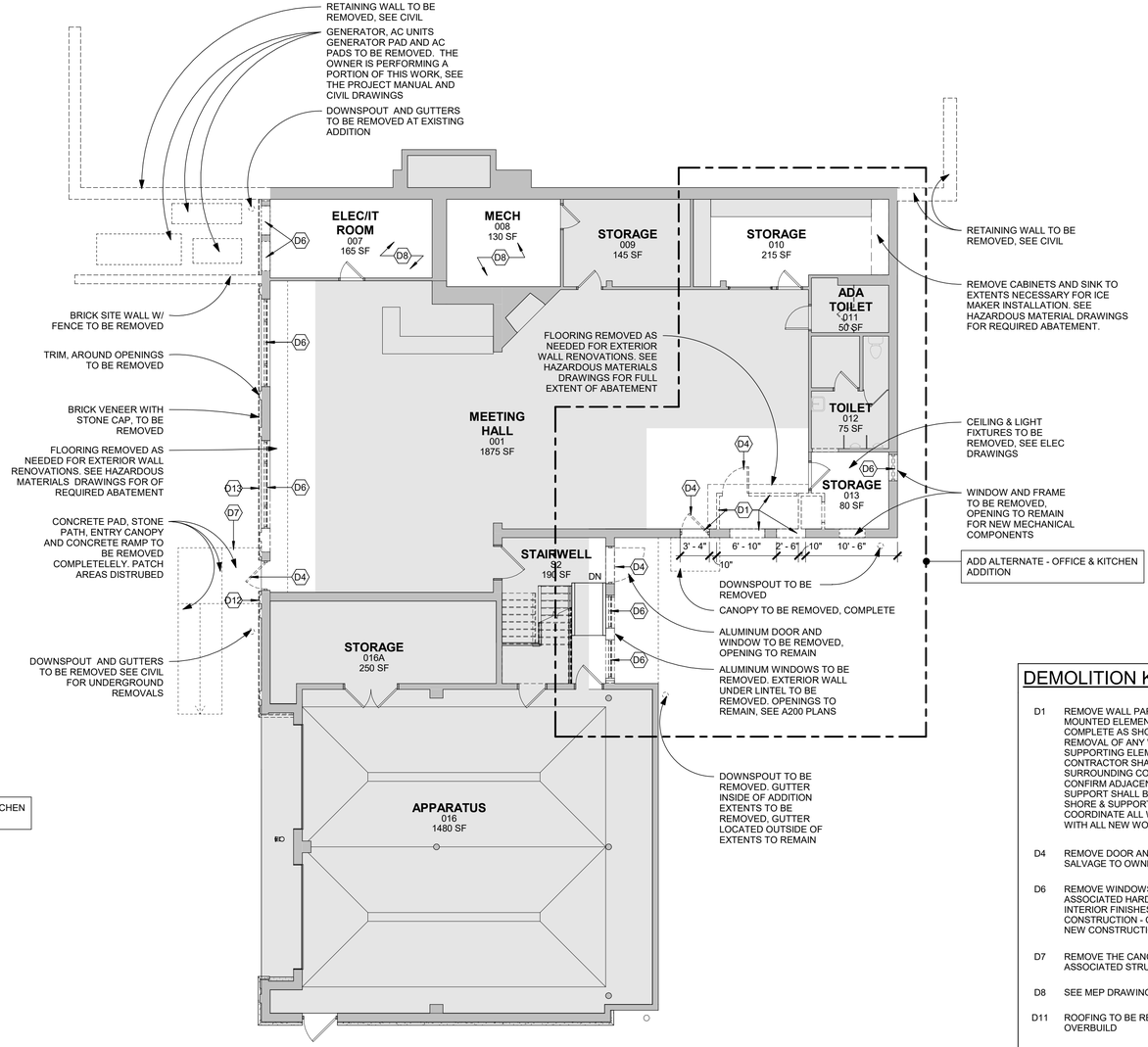
Sheet Title
COLD FORMED FRAMING SCHEDULES AND TYPICAL DETAILS

Job No.	Date
23062.00	01/31/24
Scale	Drawn / Checked
AS NOTED	JM

Sheet Number
S501



1 FIRST FLOOR DEMO PLAN
1/8" = 1'-0"



G GROUND FLOOR DEMO PLAN
1/8" = 1'-0"

DEMOLITION KEYNOTES

D1 REMOVE WALL PARTITION, WALL MOUNTED ELEMENTS & FINISHES COMPLETE AS SHOWN. PRIOR TO THE REMOVAL OF ANY WALL OR SUPPORTING ELEMENT, THE CONTRACTOR SHALL EXAMINE SURROUNDING CONDITIONS TO CONFIRM ADJACENT CONSTRUCTION & SUPPORT SHALL BE MAINTAINED. SHORE & SUPPORT AS REQUIRED. COORDINATE ALL WALL REMOVALS WITH ALL NEW WORK.

D4 REMOVE DOOR AND OR FRAME, OFFER SALVAGE TO OWNER

D6 REMOVE WINDOWS, FRAMES & ALL ASSOCIATED HARDWARE - PROTECT INTERIOR FINISHES DURING CONSTRUCTION - COORD. INFILL W/ NEW CONSTRUCTION

D7 REMOVE THE CANOPY, SLAB AND ASSOCIATED STRUCTURE

D8 SEE MEP DRAWINGS FOR REMOVALS.

D11 ROOFING TO BE REMOVED IN AREA OF OVERBUILD

D12 LIGHT FIXTURE(S) TO BE REMOVED

D13 REMOVE EXTERIOR WALL TRIM, DECORATIVE MOUNTING ELEMENTS, MILLWORK AND FINISHES

DEMOLITION NOTES

1 DENOTES AREA OF NO MAJOR ARCHITECTURAL WORK. COORDINATION WITH OTHER TRADE WORK, INCLUDING CUTTING AND PATCHING, MAY BE REQUIRED IN THESE AREAS.

2 DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED (U.N.O.).

3 DENOTES EXISTING WALL OR COLUMN TO REMAIN

4 PRIOR TO ANY DEMOLITION, CONTRACTORS ARE REQUIRED TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. SHORING MAY BE NEEDED INCLUDING INSTALLATION OF LINTELS PRIOR TO THE REMOVAL OF ANY BUILDING ELEMENT.

HAZARDOUS MATERIAL

(A) THIS PROJECT REQUIRES HAZARDOUS MATERIAL ABATEMENT. SEE ABATEMENT DRAWINGS AND SPECIFICATIONS FOR MATERIAL TEST RESULTS

(B) DEMOLITION AND/OR TIE-INS TO EXISTING M.E.P. SYSTEMS MAY ENCOUNTER CONCEALED SUSPECTED HAZARDOUS MATERIAL. NOTIFY THE ARCHITECT IMMEDIATELY SHOULD SUCH MATERIALS BE ENCOUNTERED AND DO NOT DISTURB SUCH MATERIAL.

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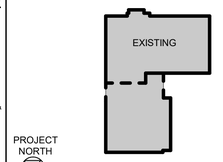
CONSTRUCTION DOCUMENTS



KEY PLAN

Professional Seal

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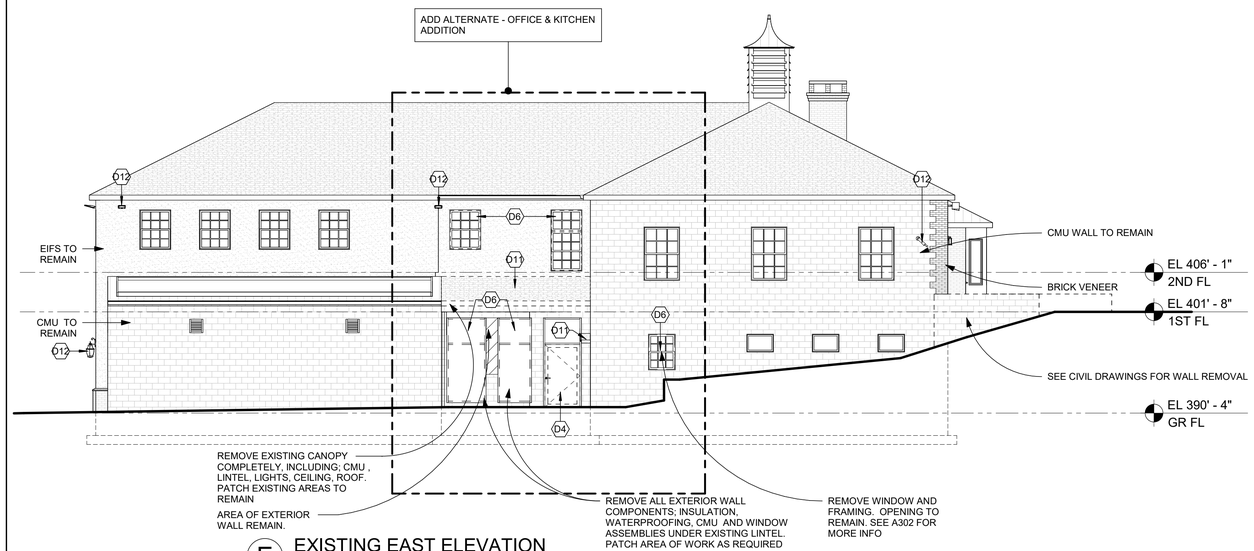
Sheet Title

DEMOLITION PLANS

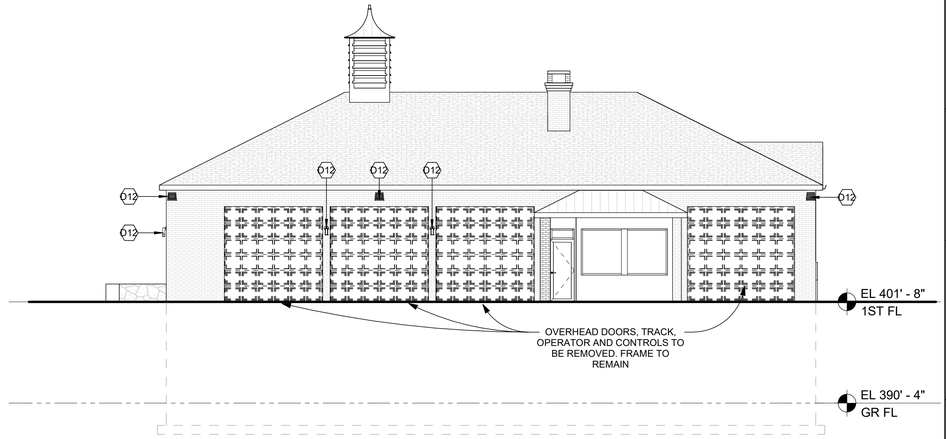
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

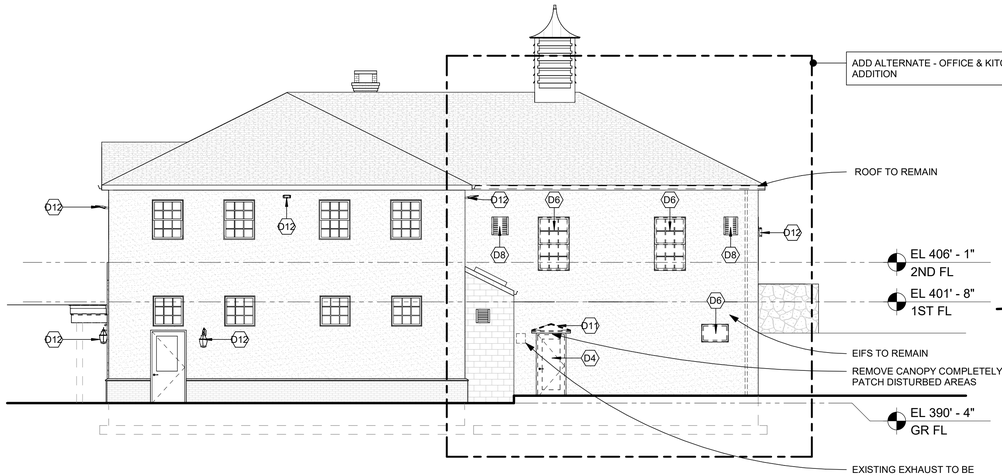
A101



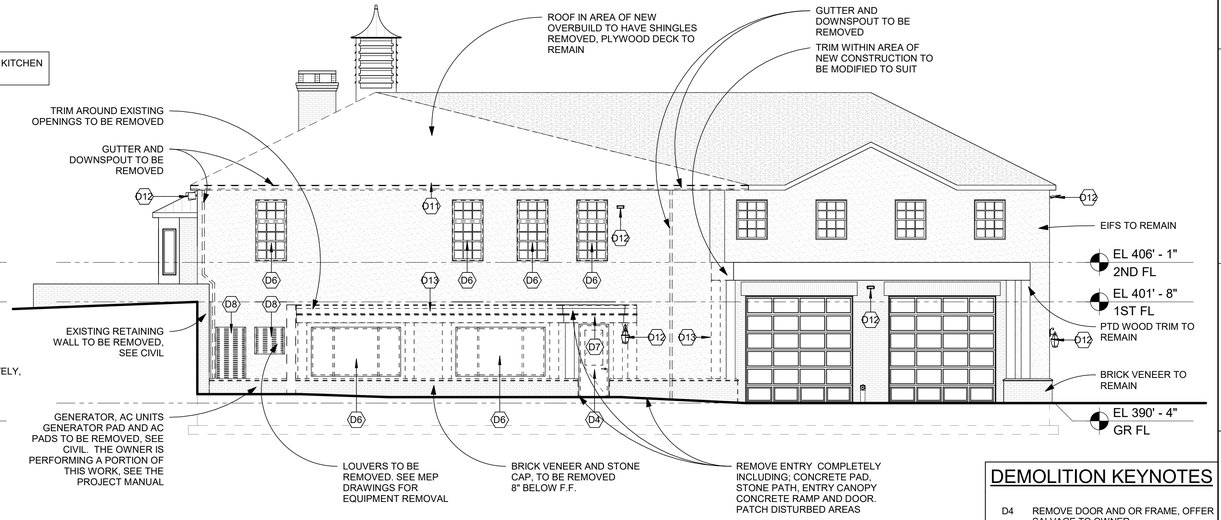
E EXISTING EAST ELEVATION
1/8" = 1'-0"



N EXISTING NORTH ELEVATION
1/8" = 1'-0"



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



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

DEMOLITION KEYNOTES

D4	REMOVE DOOR AND OR FRAME, OFFER SALVAGE TO OWNER
D6	REMOVE WINDOWS, FRAMES & ALL ASSOCIATED HARDWARE - PROTECT INTERIOR FINISHES DURING CONSTRUCTION - COORD. INFILL W/ NEW CONSTRUCTION
D7	REMOVE THE CANOPY, SLAB AND ASSOCIATED STRUCTURE
D8	SEE MEP DRAWINGS FOR REMOVALS.
D11	ROOFING TO BE REMOVED IN AREA OF OVERBUILD
D12	LIGHT FIXTURE(S) TO BE REMOVED
D13	REMOVE EXTERIOR WALL TRIM, DECORATIVE MOUNTING ELEMENTS, MILLWORK AND FINISHES

HAZARDOUS MATERIAL

(A) THIS PROJECT REQUIRES HAZARDOUS MATERIAL ABATEMENT. SEE ABATEMENT DRAWINGS AND SPECIFICATIONS FOR MATERIAL TEST RESULTS

(B) DEMOLITION AND/OR TIE-INS TO EXISTING M.E.P. SYSTEMS MAY ENCOUNTER CONCEALED SUSPECTED HAZARDOUS MATERIAL. NOTIFY THE ARCHITECT IMMEDIATELY SHOULD SUCH MATERIALS BE ENCOUNTERED AND DO NOT DISTURB SUCH MATERIAL.

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Sheet Title
REMOVALS REFERENCE ELEVATIONS

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

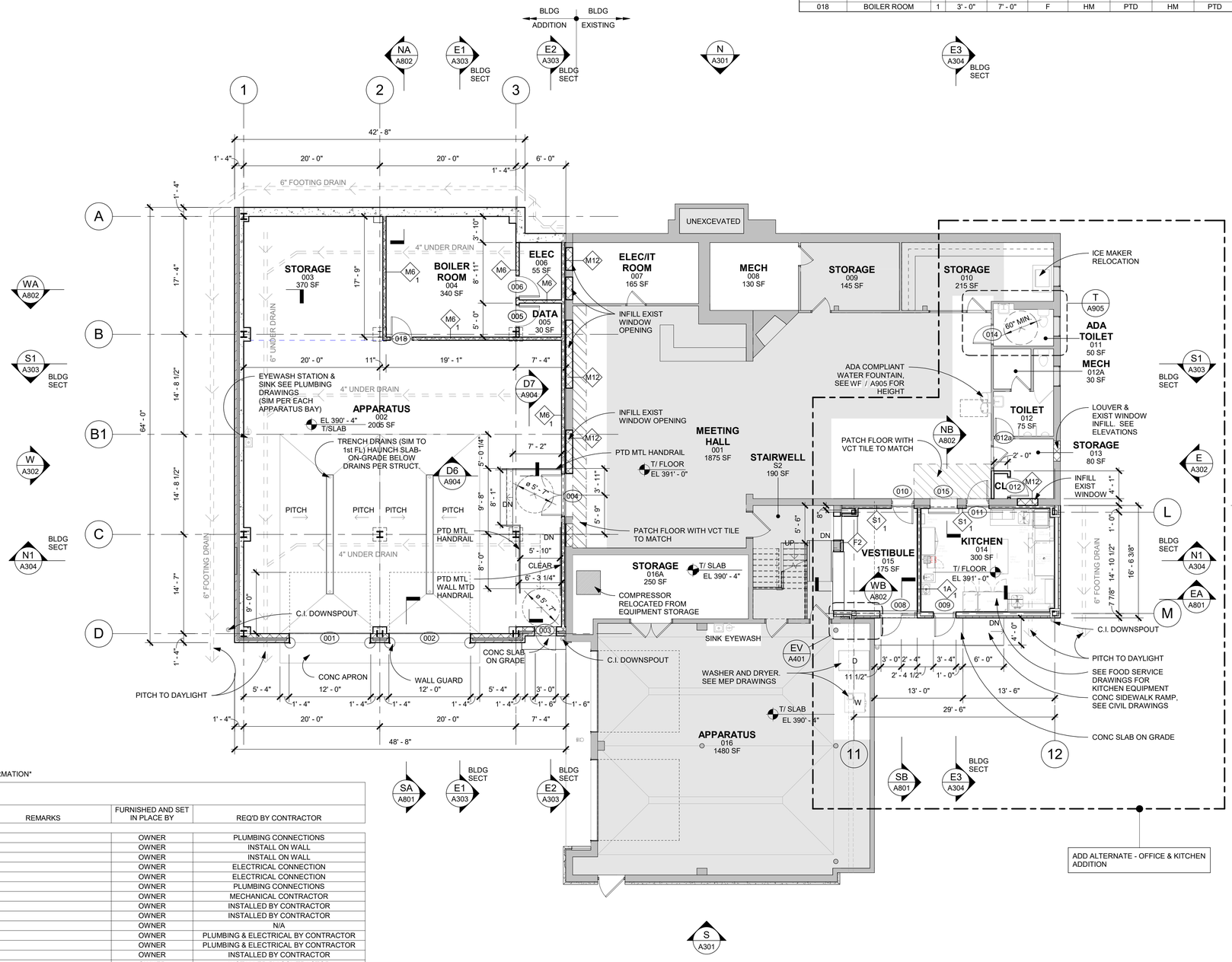
Sheet Number
A102

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FIN	FLOOR BASE	NORTH WALL MAT	NORTH WALL FIN	EAST WALL MAT	EAST WALL FIN	SOUTH WALL MAT	SOUTH WALL FIN	WEST WALL MAT	WEST WALL FIN	CEILING MAT	CEILING FIN	CEILING HT	COMMENTS
001	MEETING HALL	EXIST./PATCH	EXIST./RB	EXIST.	EXIST.	EXIST.	EXIST.	EXIST/GWB	EXIST/PTD	EXIST/GWB	EXIST/PTD	EXIST	EXIST	EXIST	PATCH @ ABATED AREAS W/ VCT TO MATCH
002	APPARATUS	EPO	EPO	CONC/CMU	PTD	CMU	PTD	CMU	PTD	CONC	PTD	OTS	PTD	---	6" H SANITARY CUT BASE, TYP. RUBBER TILE OVER, STAIR , LANDING & RAMP
003	STORAGE	EPO	EPO	CONC	PTD	CMU	PTD	--	--	CONC	PTD	OTS	PTD	---	
005	DATA	EPO	EPO	CMU	PTD	CMU	PTD	CMU	PTD	CMU	PTD	OTS	PTD	---	
006	ELEC	EPO	EPO	CONC	PTD	CMU	PTD	CMU	PTD	CMU	PTD	OTS	PTD	---	
010	KITCHEN	EXIST./PATCH	EXIST/RB	EXIST	EXIST.	GWB	PTD	EXIST./GWB	PTD	EXIST	EXIST	OTS	---	---	
011	ADA TOILET	PT	PTB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	9'-0"	
013	STORAGE	VCT	RB	GWB	PTD	GWB	PTD	EXIST/CMU	PTD	EXIST/GWB	PTD	ACT	FF	9'-0"	
014	KITCHEN	CT	CT	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	9'-0"	ANTI-BACTERIAL, ODOR AND STAIN RESISTANT ACT CEILING, SEE SPEC
015	VESTIBULE	CT	CT	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	9'-0"	

DOOR SCHEDULE

#	ROOM	LF	WI	HT	TYPE	DOOR MAT.	DOOR FIN.	FRAME MAT.	FRAME FIN.	FIRE RATING / GLAZING	HDWE SET	REMARKS
001	APPARATUS BAY	1	12' - 0"	9' - 0"	OD1	OD	FF	N/A	FF	---	88.0	
002	APPARATUS BAY	1	12' - 0"	9' - 0"	OD1	OD	FF	N/A	FF	---	88.0	
003	APPARATUS BAY	1	3' - 0"	7' - 0"	FG1	AL	FF	AL	FF	---	2.0	
004	MEETING HALL	2	3' - 0"	7' - 0"	F	HM	PTD	HM	PTD	60	3.0	
005	DATA	1	3' - 0"	7' - 0"	F	HM	PTD	HM	PTD	---	4.0	
006	ELECTRICAL	1	3' - 0"	7' - 0"	F	HM	PTD	HM	PTD	---	4.0	
008	VESTIBULE	1	3' - 0"	7' - 0"	FLNG	FRP	PTD	AL	PTD	---	6.0	
009	KITCHEN	1	3' - 0"	7' - 0"	FLNG	FRP	PTD	AL	PTD	---	6.0	
010	VESTIBULE	1	3' - 0"	7' - 0"	FLNG	HM	PTD	HM	PTD	60	7.0	
011	KITCHEN	1	3' - 0"	7' - 0"	FLNG	HM	PTD	HM	PTD	60	8.0	
012	CLOSET	1	2' - 8"	6' - 8"	F	HM	FF	HM	PTD	---	9.0	
012a	TOILET		2' - 8"	7' - 0"	F	HM	FF	HM	PTD	---	11.0	
014	ADA TOILET		2' - 8"	6' - 8"	F	HM	FF	HM	PTD	---	12.0	
015	KITCHEN	1	4' - 0"	3' - 6"	COIL	HM	PTD	HM	PTD	90	88.0	
018	BOILER ROOM	1	3' - 0"	7' - 0"	F	HM	PTD	HM	PTD	60	4.0	



G GROUND FLOOR PLAN
1/8" = 1'-0"

SEE FOOD SERVICE DRAWINGS FOR FURTHER EQUIPMENT INFORMATION

FOOD SERVICE RESPONSIBILITY MATRIX

ITEM #	#	ITEM NAME	REMARKS	FURNISHED AND SET IN PLACE BY	REQ'D BY CONTRACTOR
1	1	COUNTER W/ SINK		OWNER	PLUMBING CONNECTIONS
2	1	WALL CABINET		OWNER	INSTALL ON WALL
3	1	WALL CABINET		OWNER	INSTALL ON WALL
4	1	REACH-IN REFRIGERATOR		OWNER	ELECTRICAL CONNECTION
5	1	REACH-IN FREEZER		OWNER	ELECTRICAL CONNECTION
6	1	RANGE 50", 6 BURNERS, 24" GRIDDLE		OWNER	PLUMBING CONNECTIONS
7	1	EXHAUST HOOD TAPERED		OWNER	MECHANICAL CONTRACTOR
8	1	FIRE SUPPRESSION SYSTEM		OWNER	INSTALLED BY CONTRACTOR
9	1	HAND SINK		OWNER	INSTALLED BY CONTRACTOR
10	1	DISHTABLE CLEAN		OWNER	N/A
11	1	DISHWASHER, DOOR VENTLESS		OWNER	PLUMBING & ELECTRICAL BY CONTRACTOR
12	1	SOILED DISHTABLE W/ PRE RINSE SINK		OWNER	PLUMBING & ELECTRICAL BY CONTRACTOR
13	1	RACK SHELF, SOILED, WALL-MTD		OWNER	INSTALLED BY CONTRACTOR
14	1	WINDOW FRAME		OWNER	INSTALLED BY CONTRACTOR
15	1	TABLE ISLAND		OWNER	N/A
16	1	STORAGE CABINET		OWNER	N/A
17	1	COUNTER W/ SINK		OWNER	PLUMBING BY CONTRACTOR
18	1	POP-UP TOASTER		OWNER	N/A
19	1	MICROWAVE OVEN		OWNER	N/A
20	1	SHELF, WALL MTD		OWNER	INSTALLED BY CONTRACTOR
21	1	ICE MAKER, CUBE-STYLE	EXISTING/RELOCATED	OWNER	PLUMBING & ELECTRICAL BY CONTRACTOR
22	1	ICE BIN W/ PLINTH	EXISTING/RELOCATED	OWNER	PLUMBING & ELECTRICAL BY CONTRACTOR
23	1	WATER FILTER		OWNER	PLUMBING & ELECTRICAL BY CONTRACTOR

GENERAL NOTES

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2. (101) DENOTES DOOR NUMBER
3. DENOTES EXISTING WALL TO REMAIN
4. DENOTES 1hr RATED WALL
5. DENOTES EXISTING DOOR TO REMAIN (U.N.O.)
6. (101) DENOTES NEW DOOR

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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CONSTRUCTION DOCUMENTS

KEY PLAN

Professional Seal

No.	Date	Issue
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1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

GROUND FLOOR PLAN (LOWER LEVEL)

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

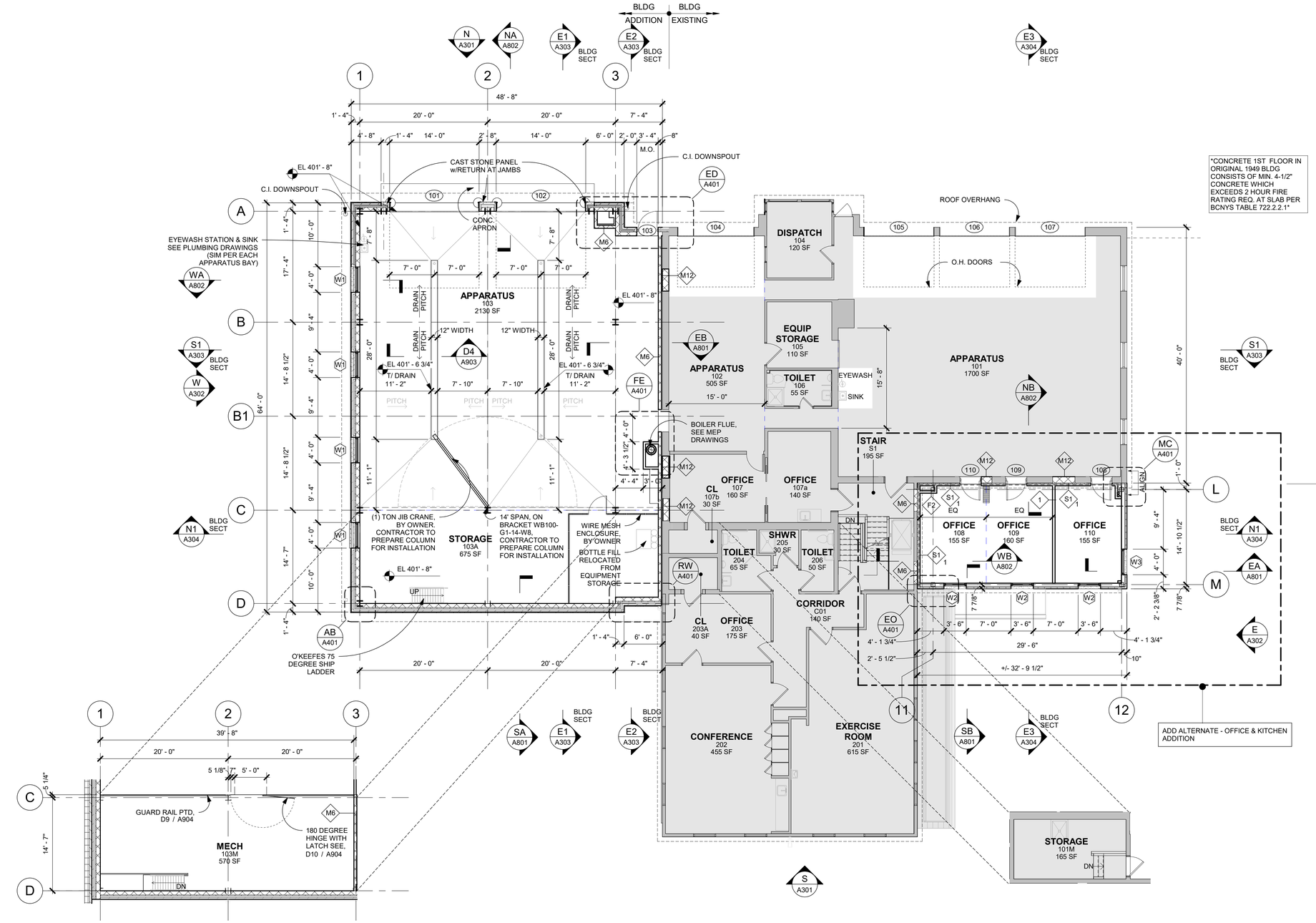
A200

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			COMMENTS
		FIN	BASE	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	HT	
103	APPARATUS	EPO	EPO	CMU	PTD	CMU	PTD	--	--	CMU	PTD	OTS	SS/WD	---	6" H SANITARY CUT BASE, TYP. ROOF DECKING TO BE STAINED AND SEALED
103A	EQUIPMENT STORAGE	EPO	EPO	---	---	CMU	PTD	CMU	PTD	CMU	PTD	OTS	---	---	
103M	MECH	EPO	EPO	---	---	GWB	PTD	CMU	PTD	CMU	PTD	OTS	SS/WD	---	
108	OFFICE	CPT	RB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	9'-4"	
109	OFFICE	CPT	RB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	9'-4"	
110	OFFICE	CPT	RB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	9'-4"	

DOOR SCHEDULE

#	ROOM	LF	WI	HT	TYPE	DOOR MAT.	DOOR FIN.	FRAME MAT.	FRAME FIN.	FIRE RATING / GLAZING	HDWE SET	REMARKS
101	APPARATUS BAY	1	14' - 0"	14' - 0"	OD1	OD	FF	N/A	FF	---	88.0	
102	APPARATUS BAY	1	14' - 0"	14' - 0"	OD1	OD	FF	N/A	FF	---	88.0	
103	APPARATUS BAY	1	3' - 0"	7' - 0"	FG1	AL	FF	N/A	FF	---	6.0	SEE ELEVATION FOR TRANSOMS. & MULL.
104	APPARATUS BAY	1	12' - 0"	10' - 8"	OD1	OD	FF	N/A	FF	---	88.0	
105	APPARATUS BAY	1	11' - 0"	10' - 8"	OD1	OD	FF	N/A	FF	---	88.0	
106	APPARATUS BAY	1	11' - 0"	10' - 8"	OD1	OD	FF	N/A	FF	---	88.0	
107	APPARATUS BAY	1	11' - 0"	10' - 8"	OD1	OD	FF	N/A	FF	---	88.0	
108	OFFICE 1	1	3' - 0"	7' - 0"	FLNG	HM	PTD	HM	PTD	90	10.0	
109	OFFICE 2	1	3' - 0"	7' - 0"	FLNG	HM	PTD	HM	PTD	90	10.0	
110	OFFICE 3	1	3' - 0"	7' - 0"	FLNG	HM	PTD	HM	PTD	90	10.0	



1b ADDITION - MEZZANINE
1/8" = 1'-0"

1 FIRST FLOOR PLAN
1/8" = 1'-0"

1a MEZZANINE PLAN
1/8" = 1'-0"

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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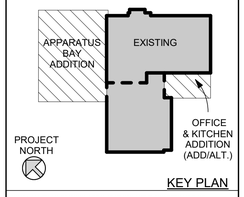

KEY PLAN

Professional Seal

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1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

1st FLOOR PLAN (STREET LEVEL)

Job No.	Date
2023-1005	06/11/24
Scale	Drawn / Checked
AS NOTED	TC/WH

Sheet Number

A201

GENERAL NOTES

1. DENOTES AREA OF NO MAJOR ARCHITECTURAL WORK. COORDINATION WITH OTHER TRADE WORK, INCLUDING CUTTING AND PATCHING, MAY BE REQUIRED IN THESE AREAS.
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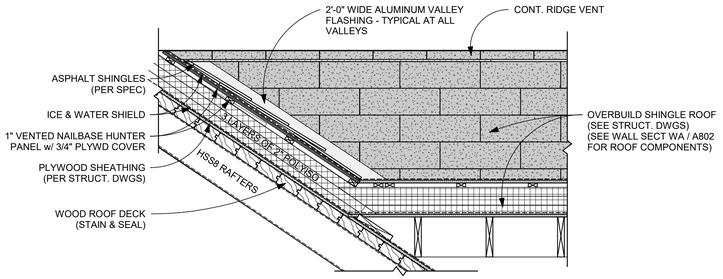
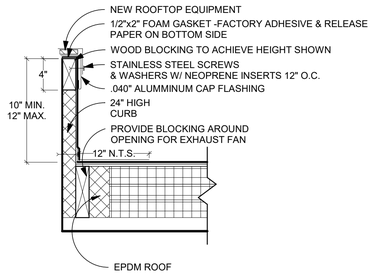
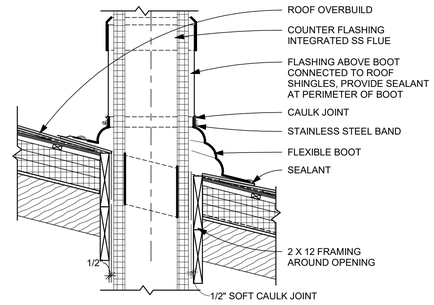


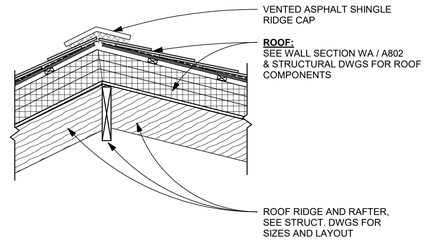
R4 VALLEY DETAIL R4 AT OVERBUILD w/ NEW ROOF
3/4" = 1'-0"



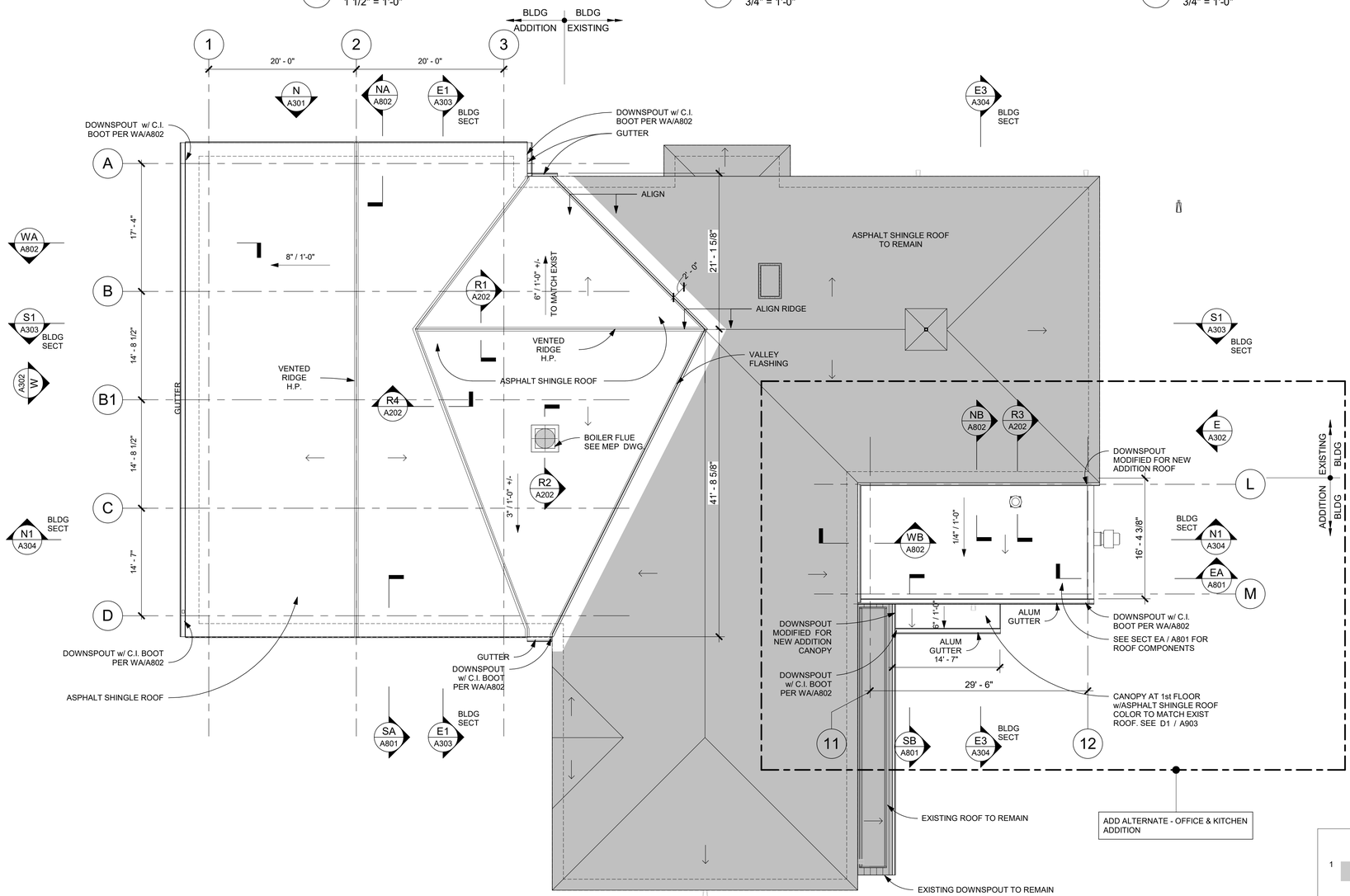
R3 ROOF CURB @ EPDM ROOF DETAIL R3
1 1/2" = 1'-0"



R2 FLUE THRU ROOF DETAIL R2
3/4" = 1'-0"



R1 OVERBUILD RIDGE DETAIL R1
3/4" = 1'-0"



R ROOF PLAN
1/8" = 1'-0"

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FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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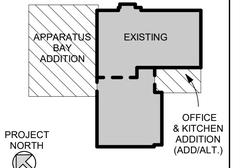

KEY PLAN

Professional Seal

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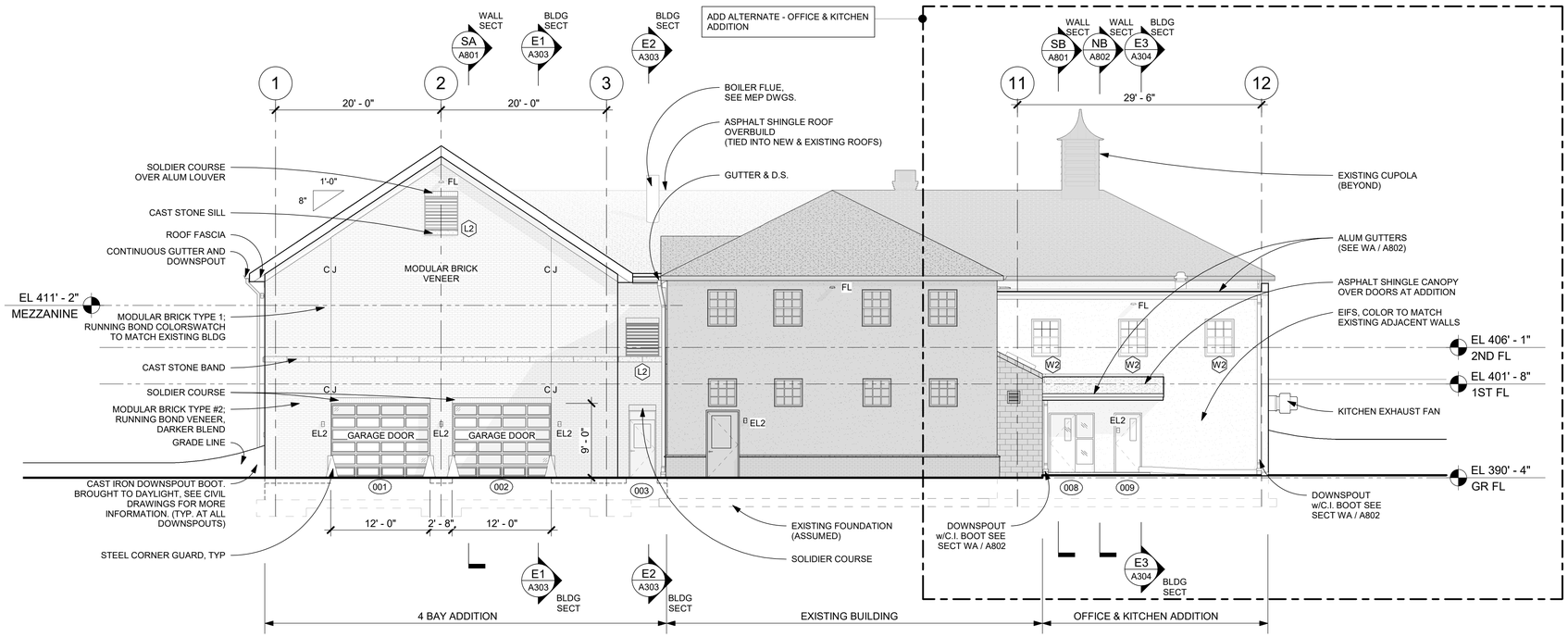
Sheet Title
ROOF PLAN

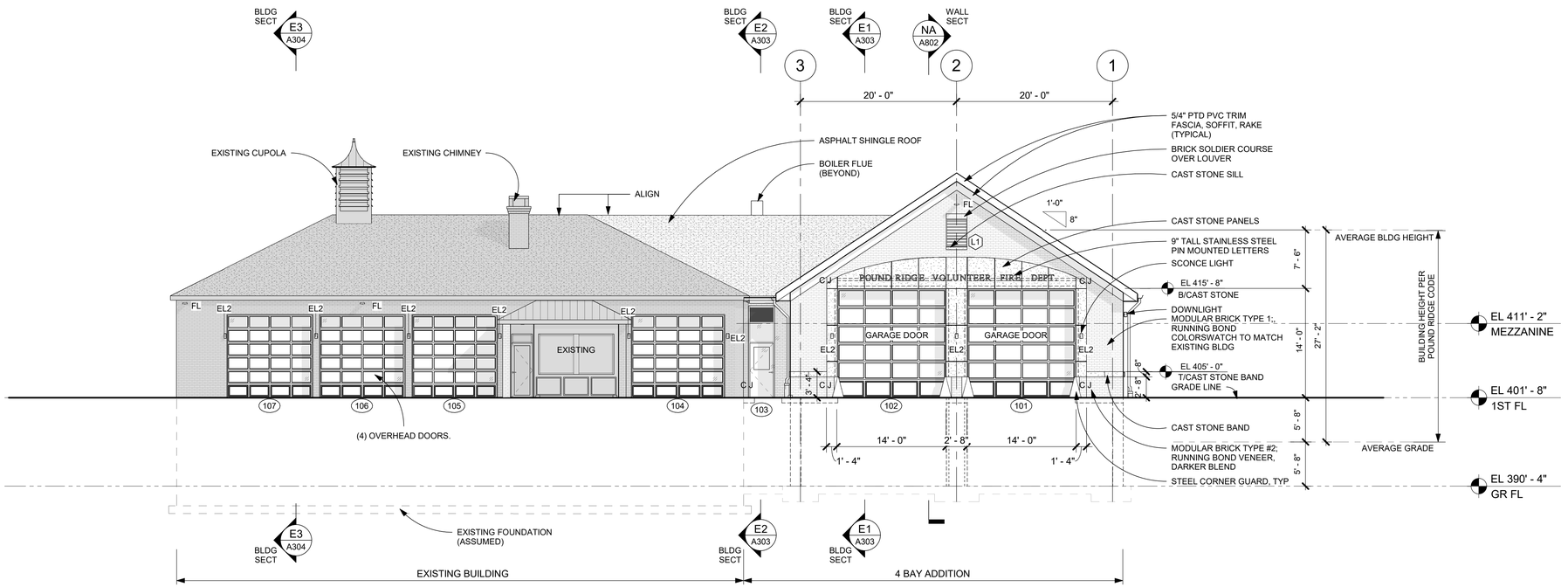
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number
A202



S SOUTH FACADE ELEVATION

1/8" = 1'-0" (LOOKING NORTH)



N NORTH FACADE ELEVATION

1/8" = 1'-0" (LOOKING SOUTH)

FIREHOUSE

ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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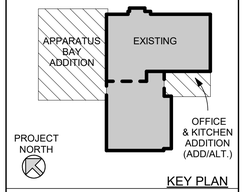
CONSTRUCTION DOCUMENTS



KEY PLAN

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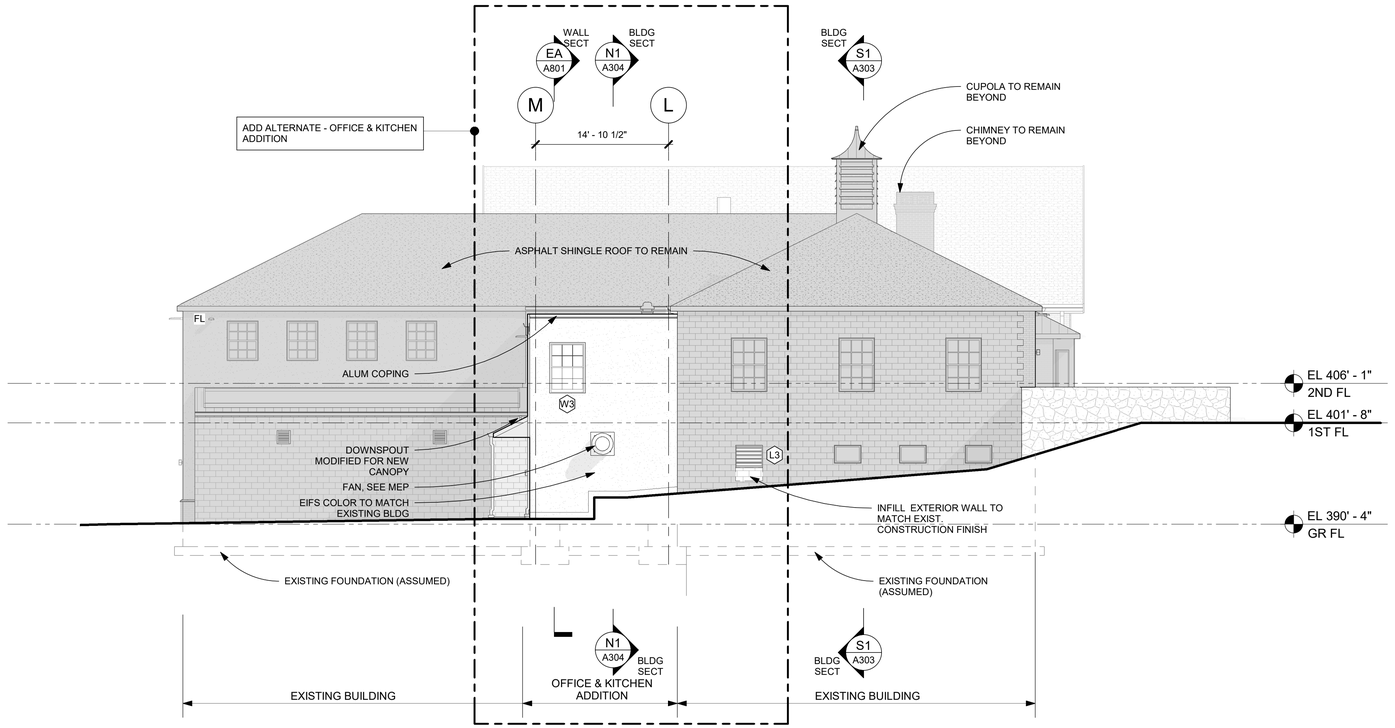
Sheet Title

NORTH & SOUTH FACADE ELEVATIONS

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

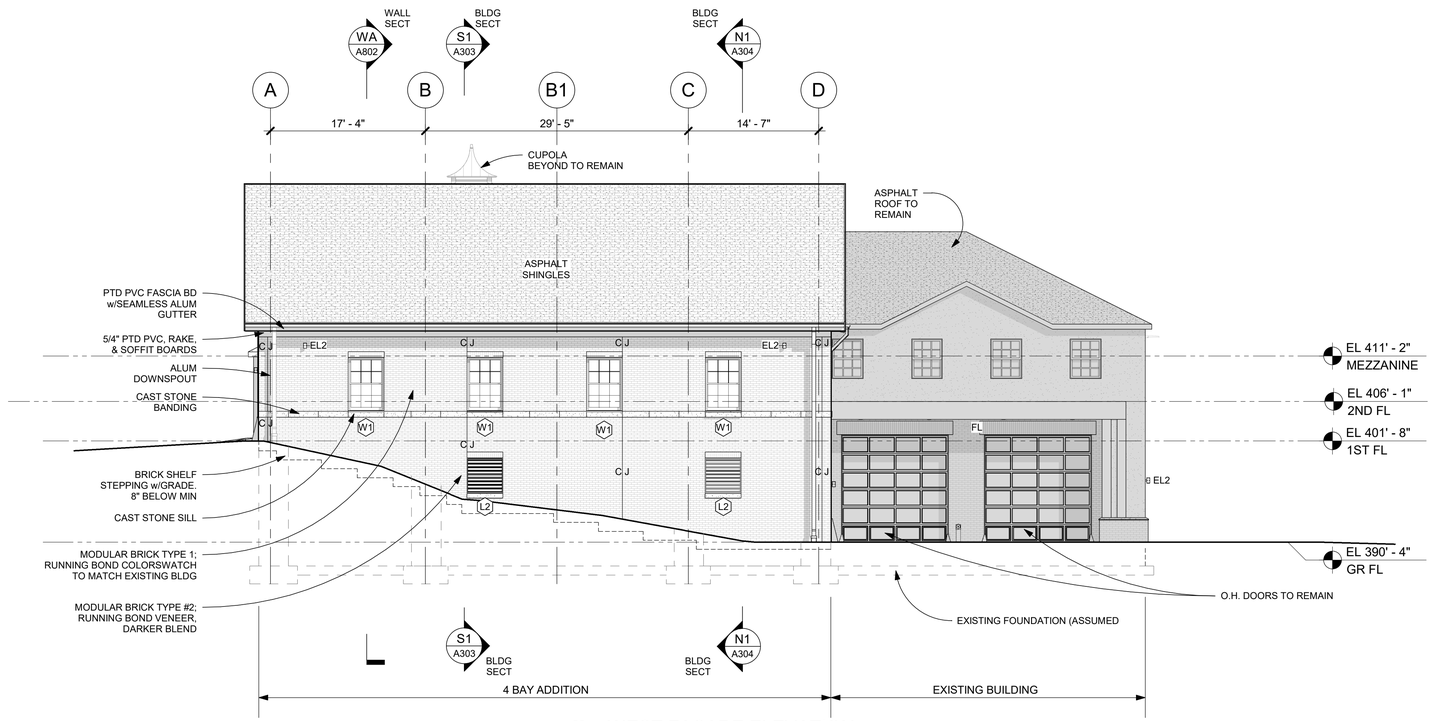
Sheet Number

A301



E EAST FACADE ELEVATION

1/8" = 1'-0" (LOOKING WEST)



W WEST FACADE ELEVATION

1/8" = 1'-0" (LOOKING EAST)

FIREHOUSE

ADDITIONS & ALTERATIONS

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Pound Ridge, New York

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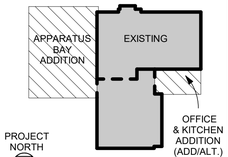
CONSTRUCTION DOCUMENTS



KEY PLAN

Professional Seal

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1	07-29-2023	SCHEMATIC DESIGN

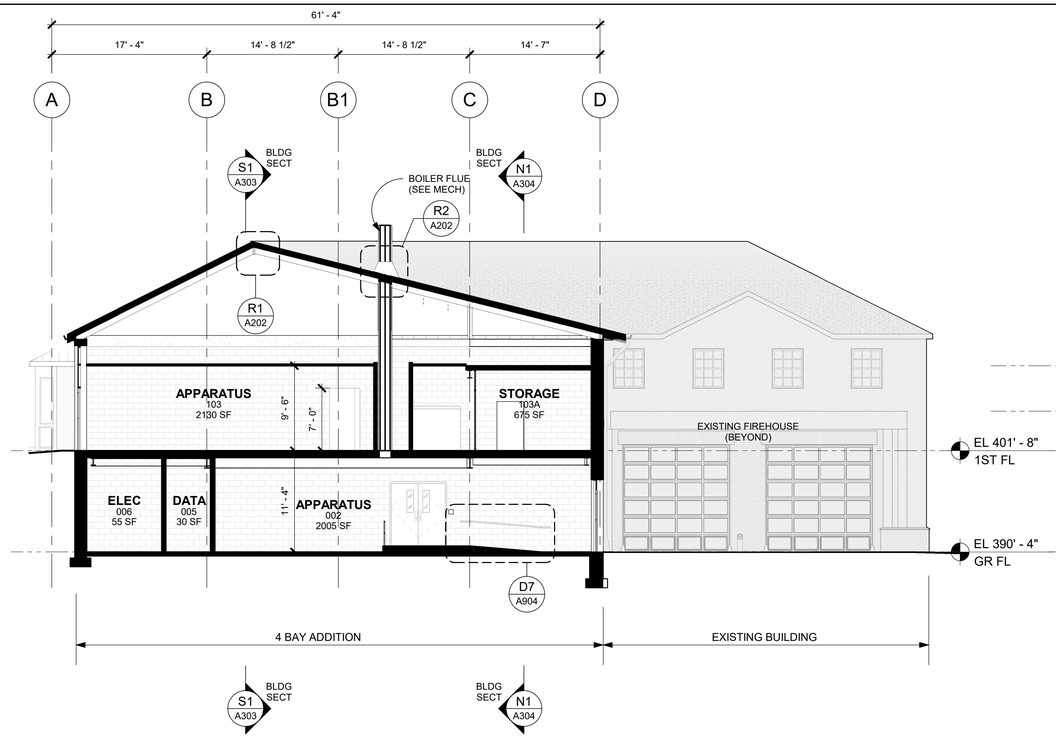
Sheet Title

EAST & WEST FACADE ELEVATIONS

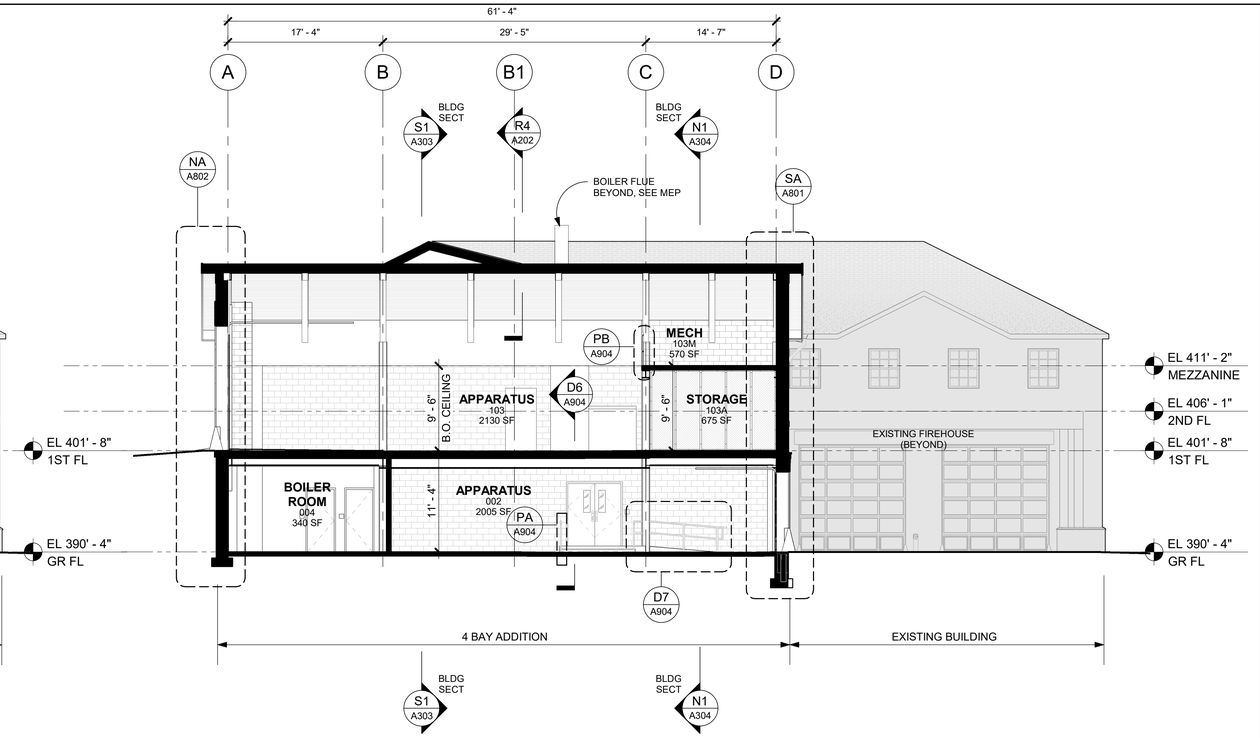
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

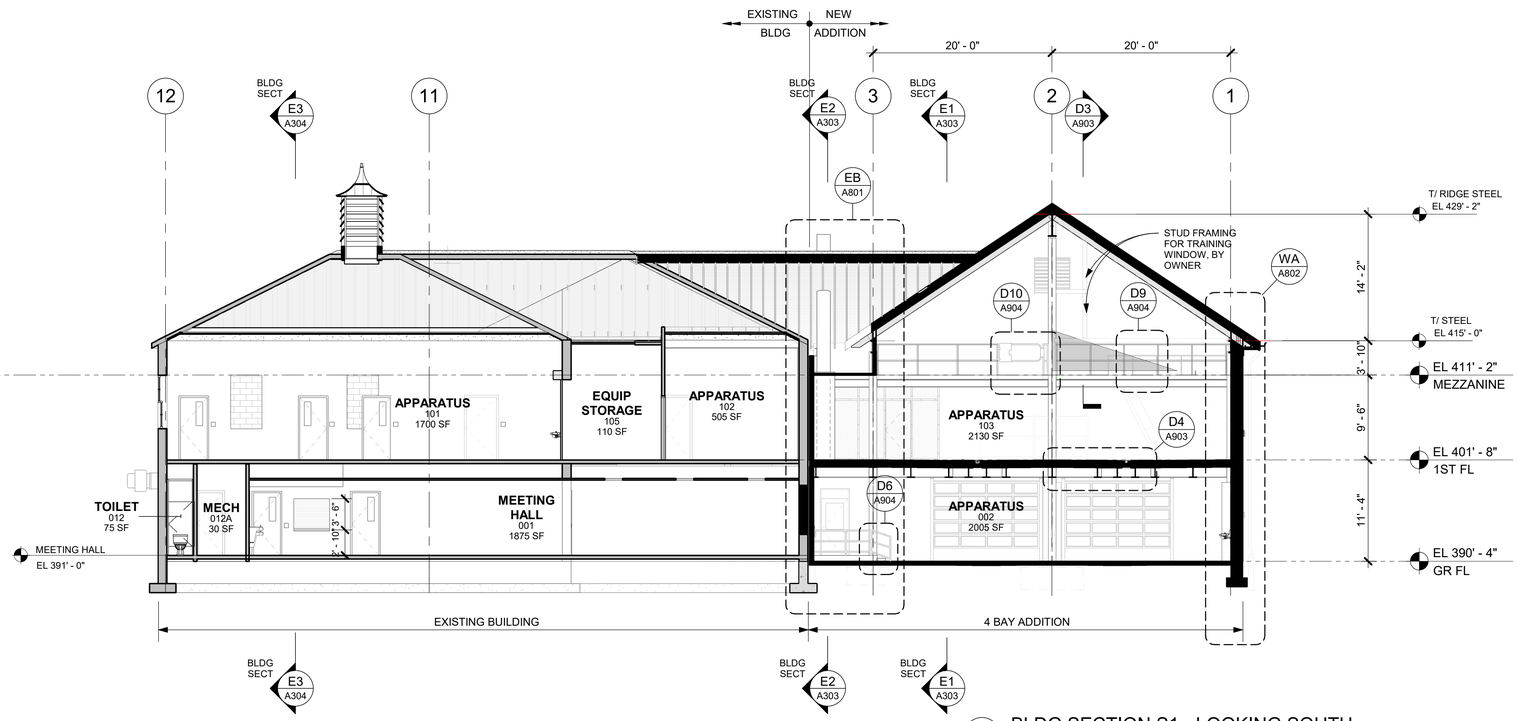
A302



E2 BLDING SECTION E2 - LOOKING EAST
1/8" = 1'-0"



E1 BLDG SECTION E1 - LOOKING EAST
1/8" = 1'-0"



S1 BLDG SECTION S1 - LOOKING SOUTH
1/8" = 1'-0"

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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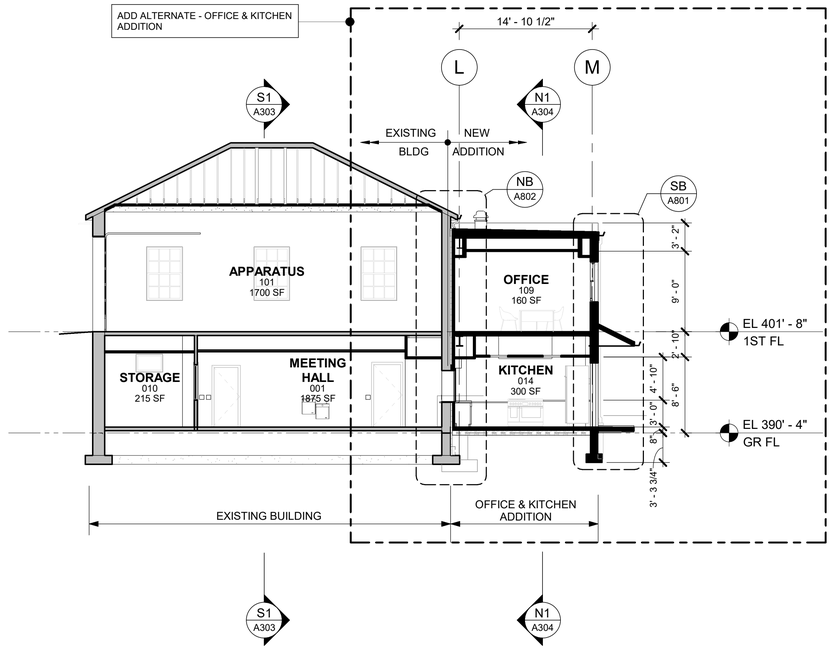
Sheet Title

BUILDING SECTIONS

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

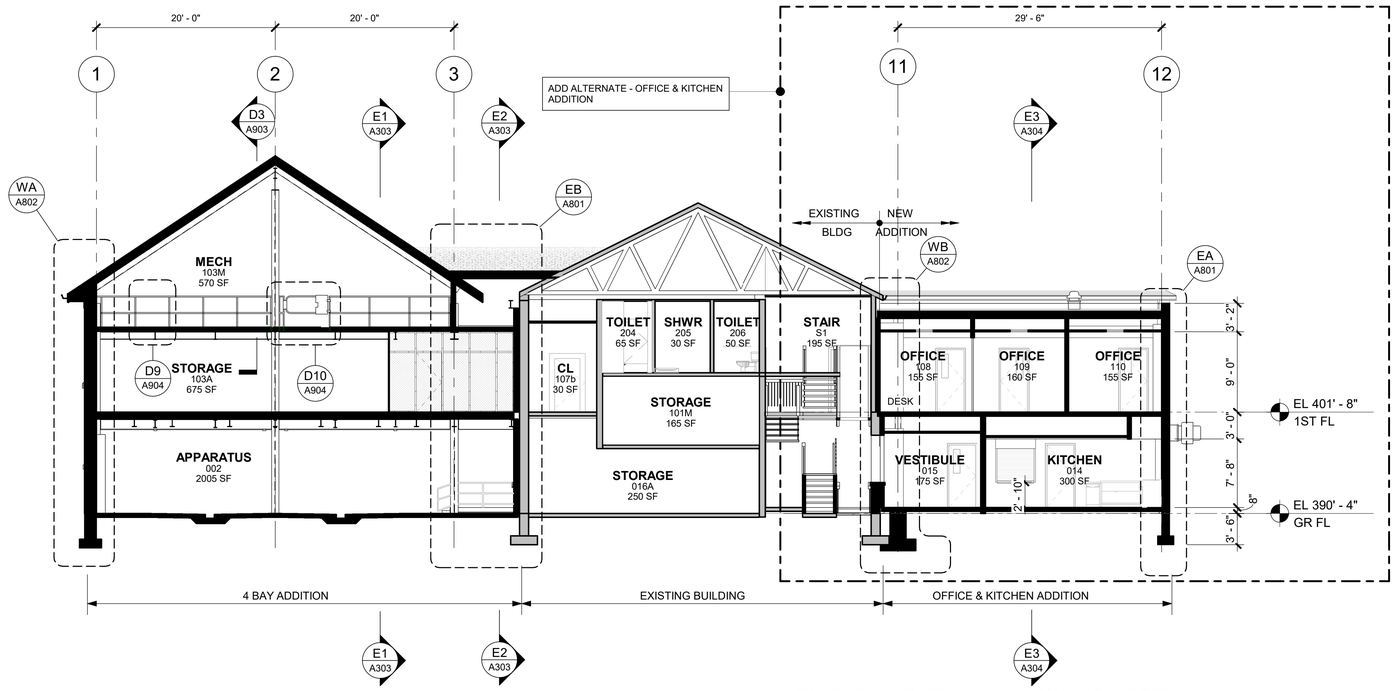
Sheet Number

A303



E3 BUILDING SECTION E3

1/8" = 1'-0"



N1 BLDG SECTION N1 - LOOKING NORTH

1/8" = 1'-0"

FIREHOUSE

ADDITIONS & ALTERATIONS

Pound Ridge Fire Department

Pound Ridge, New York

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CONSTRUCTION DOCUMENTS

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1	07-29-2023	SCHEMATIC DESIGN

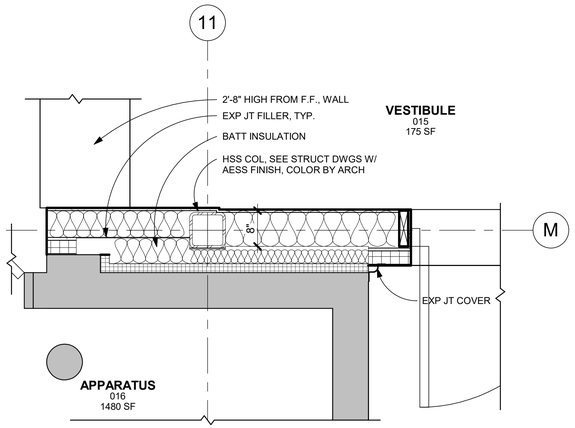
Sheet Title

BUILDING SECTIONS

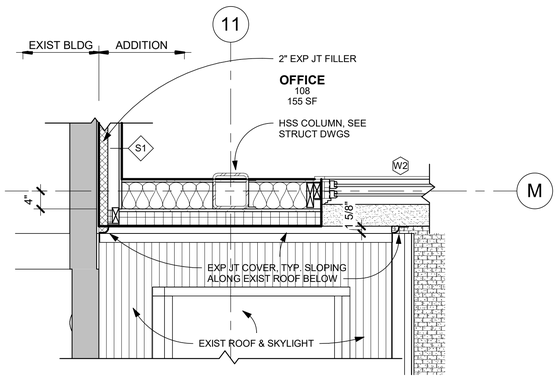
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

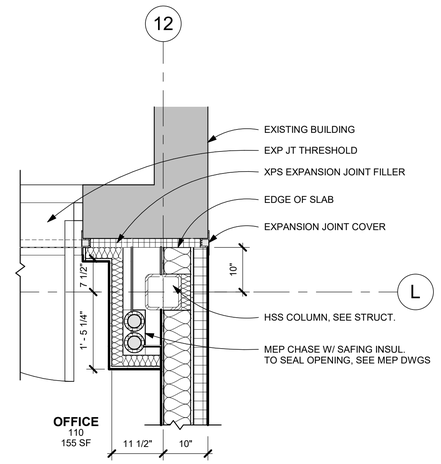
A304



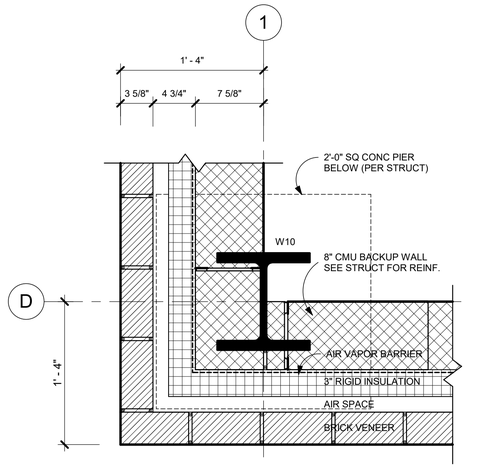
EV GROUND FLOOR - EXP JT @ VESTIBULE
3/4" = 1'-0"



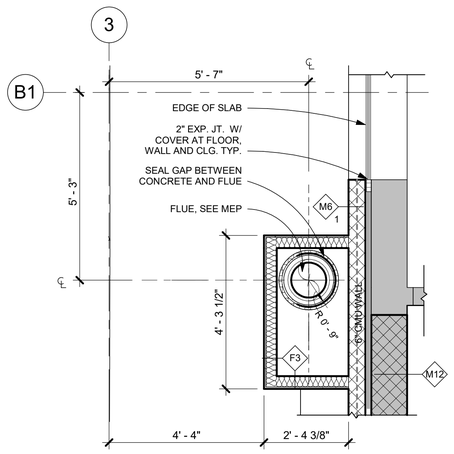
EO 1ST FLOOR PLAN - EXP JT @ OFFICE
3/4" = 1'-0"



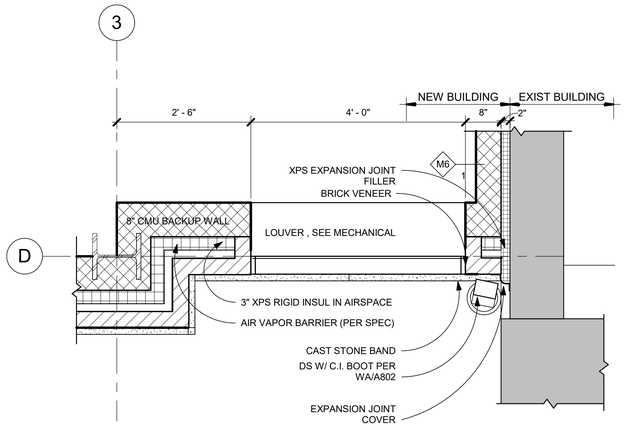
MC 1ST FLOOR - MEP CHASE @ OFFICE CORNER
3/4" = 1'-0"



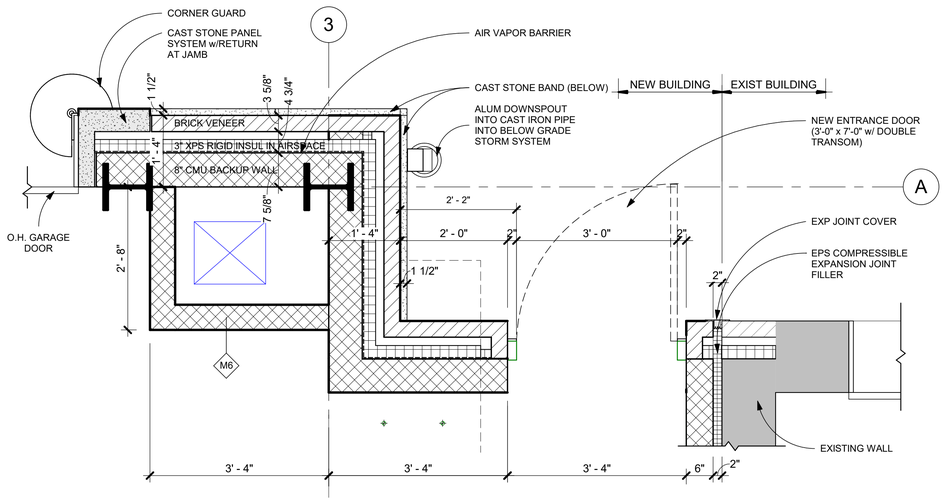
AB 1ST FLOOR - APPARATUS BAY CORNER
1 1/2" = 1'-0"



FE 1ST FLOOR - FLUE ENCLOSURE
1/2" = 1'-0"



RW 1ST FLOOR -DETAIL @ REAR STORAGE
3/4" = 1'-0"



ED -PEDESTRIAN ENTRANCE DOOR
3/4" = 1'-0"

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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CONSTRUCTION DOCUMENTS

Professional Seal

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1	07-29-2023	SCHEMATIC DESIGN

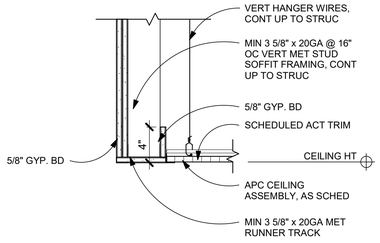
Sheet Title

PLAN DETAILS

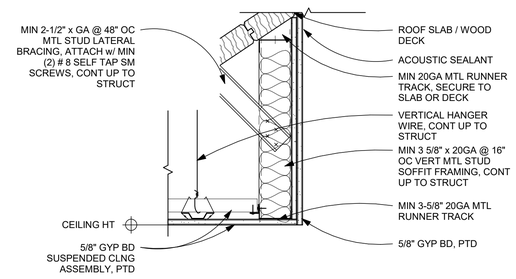
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

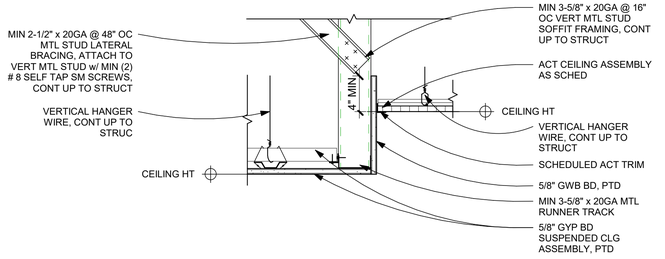
A401



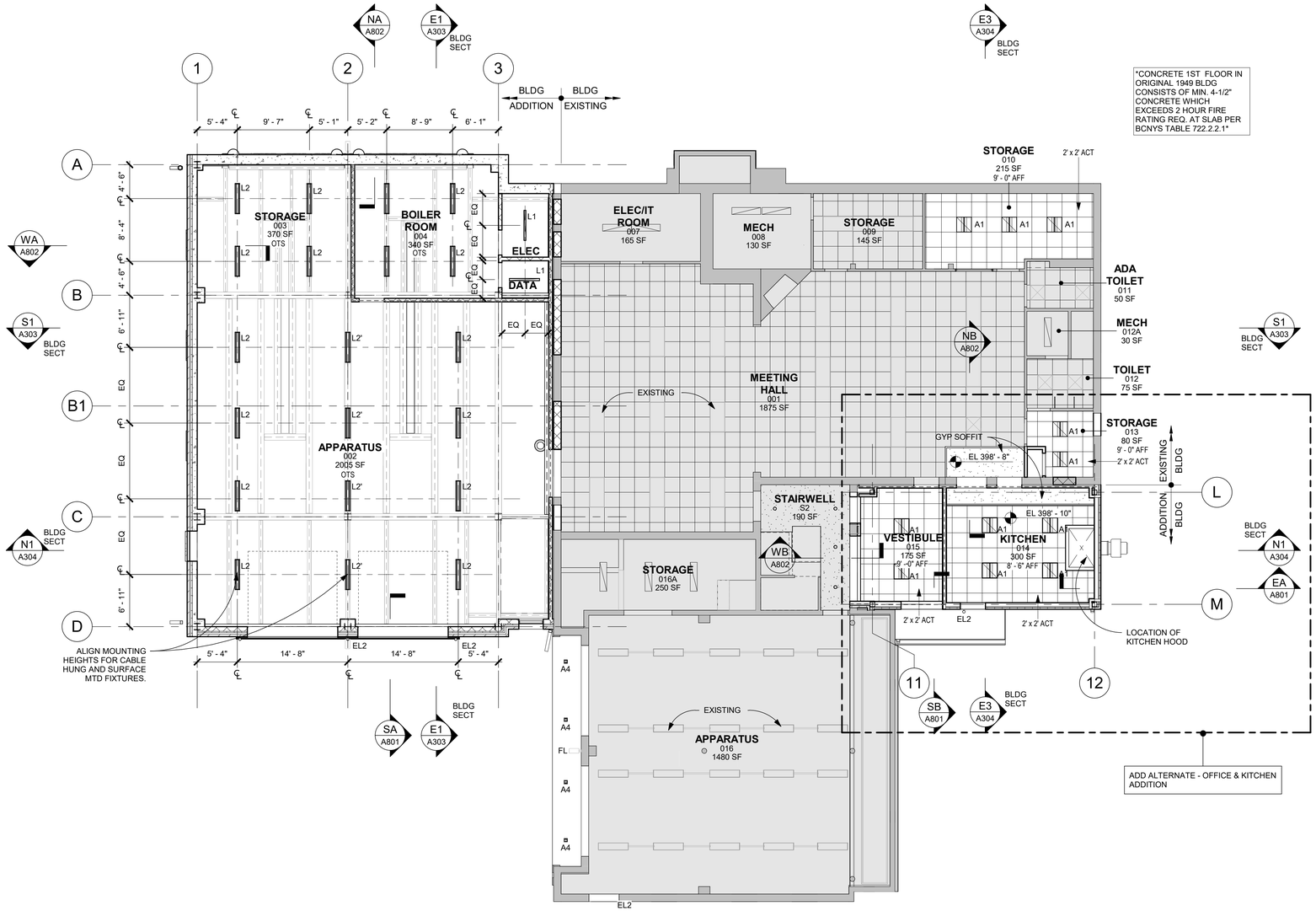
C3 TYP SOFFIT @ ACT CEILING
1 1/2" = 1'-0"



C2 TYPICAL CEILING DETAIL GYP-STRUC
1 1/2" = 1'-0"



C1 TYPICAL CEILING DETAIL GYP-ACT
1 1/2" = 1'-0"



CONCRETE 1ST FLOOR IN ORIGINAL 1949 BLDG CONSISTS OF MIN. 4-1/2" CONCRETE WHICH EXCEEDS 2 HOUR FIRE RATING REQ. AT SLAB PER BCNYS TABLE 722.2.2.1

G GROUND FLOOR RCP
1/8" = 1'-0"

CEILING NOTES

1. DENOTES AREAS OF NO WORK
2. A1 — DENOTES FIXTURE TAG. ALL TAGGED FIXTURES ARE NEW. FIXTURES IN EXISTING CEILING AREAS ARE TO REPLACE EXISTING LIGHTS IN LIKE KIND. UNTAGGED FIXTURES TO REMAIN
3. DENOTES EXISTING WALL or COLUMN TO REMAIN
4. PRIOR TO ANY DEMOLITION, CONTRACTORS ARE REQUIRED TO BE FAMILIAR WITH EXISTING CONDITIONS. SHORING MAY BE NEEDED INCLUDING INSTALLATION OF LINTELS PRIOR TO THE REMOVAL OF ANY BUILDING ELEMENT.

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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CONSTRUCTION DOCUMENTS

KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
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4	03-18-2024	ICC REVISION 1
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2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

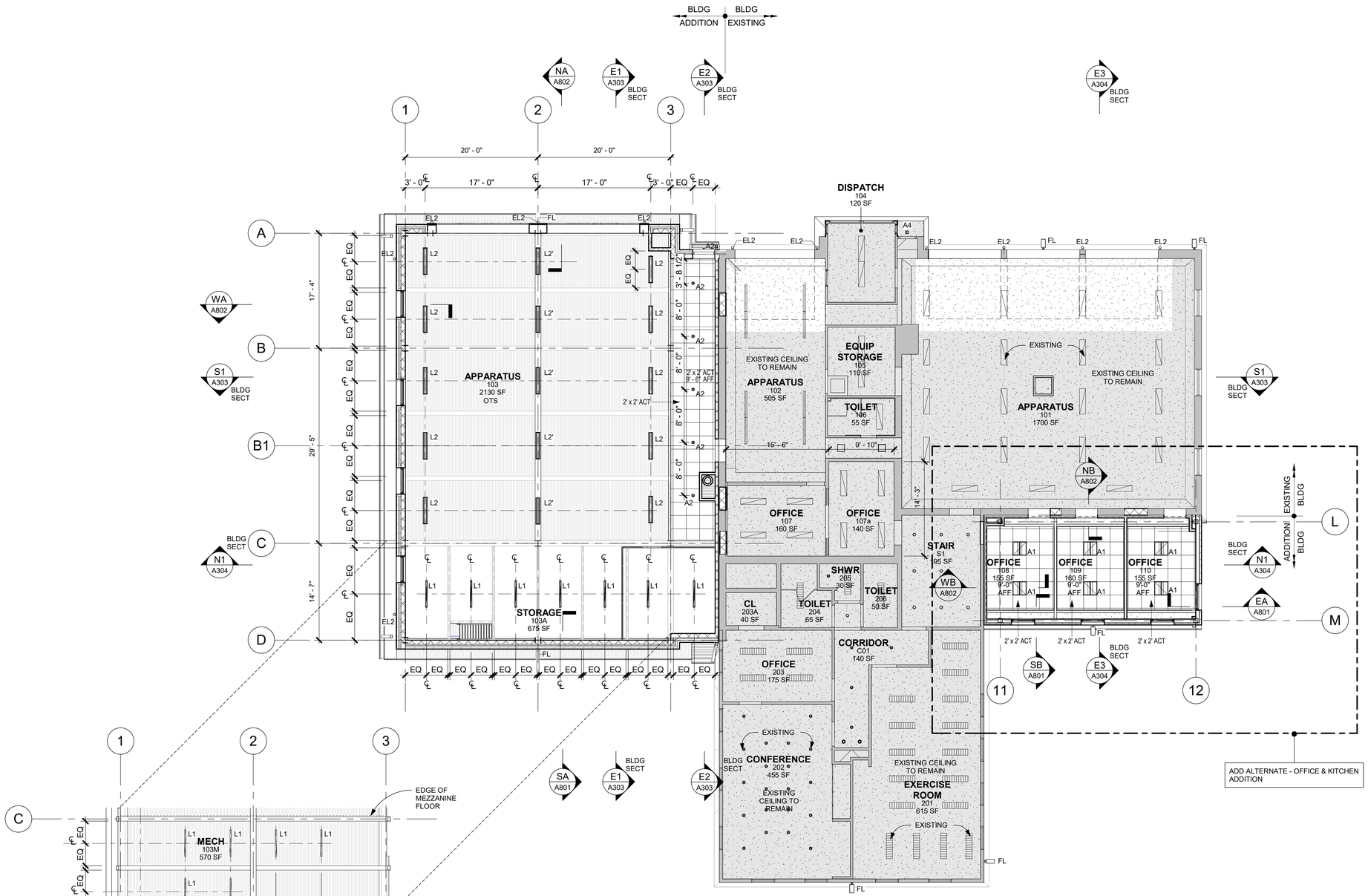
Sheet Title

GROUND FLOOR CEILING PLAN (LOWER LEVEL)

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

A600



1b MEZZANINE RCP
1/8" = 1'-0"

1 FIRST FLOOR RCP
1/8" = 1'-0"

CEILING NOTES

1. DENOTES AREAS OF NO WORK
2. A1 — DENOTES FIXTURE TAG. ALL TAGGED FIXTURES ARE NEW. FIXTURES IN EXISTING CEILING AREAS ARE TO REPLACE EXISTING LIGHTS IN LIKE KIND. UNTAGGED FIXTURES TO REMAIN
3. DENOTES EXISTING WALL or COLUMN TO REMAIN
4. PRIOR TO ANY DEMOLITION, CONTRACTORS ARE REQUIRED TO BE FAMILIAR WITH EXISTING CONDITIONS. SHORING MAY BE NEEDED INCLUDING INSTALLATION OF LINTELS PRIOR TO THE REMOVAL OF ANY BUILDING ELEMENT.

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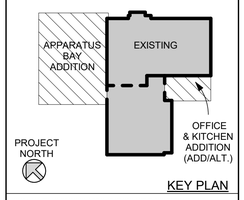

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1	07-29-2023	SCHEMATIC DESIGN

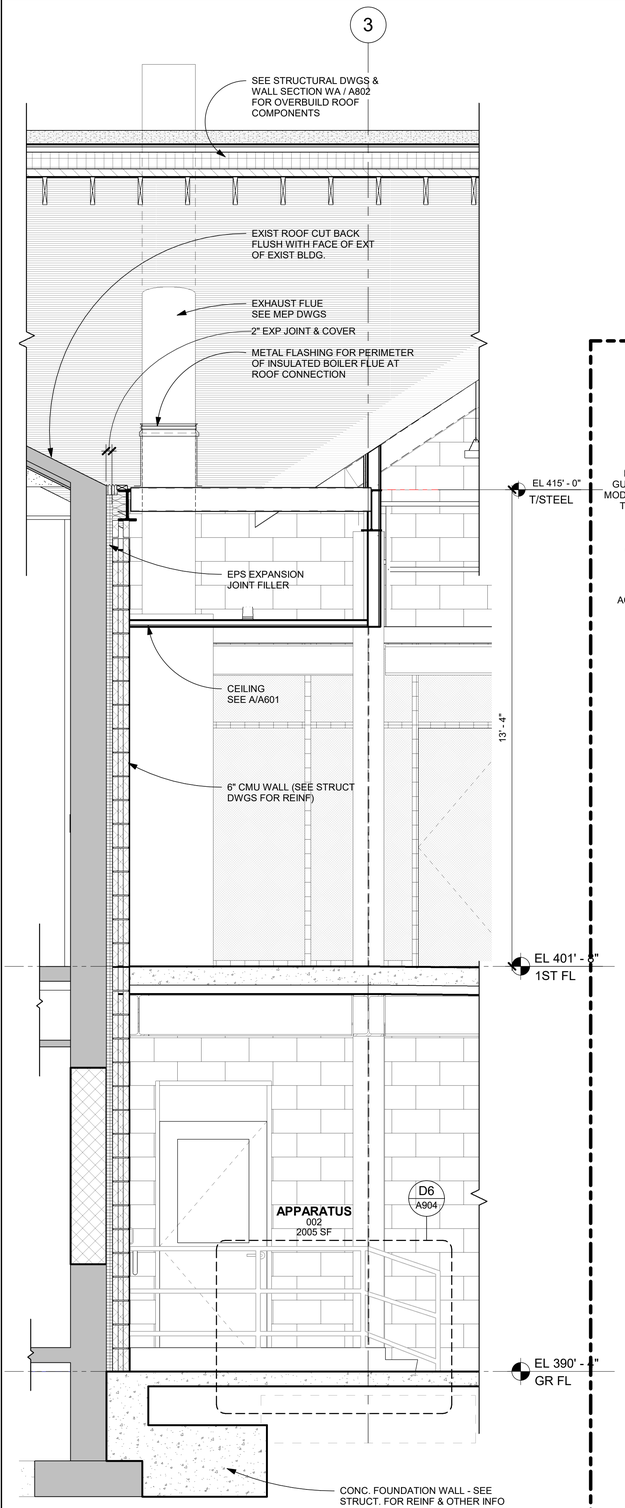
Sheet Title

1st FLOOR CEILING PLAN (STREET LEVEL)

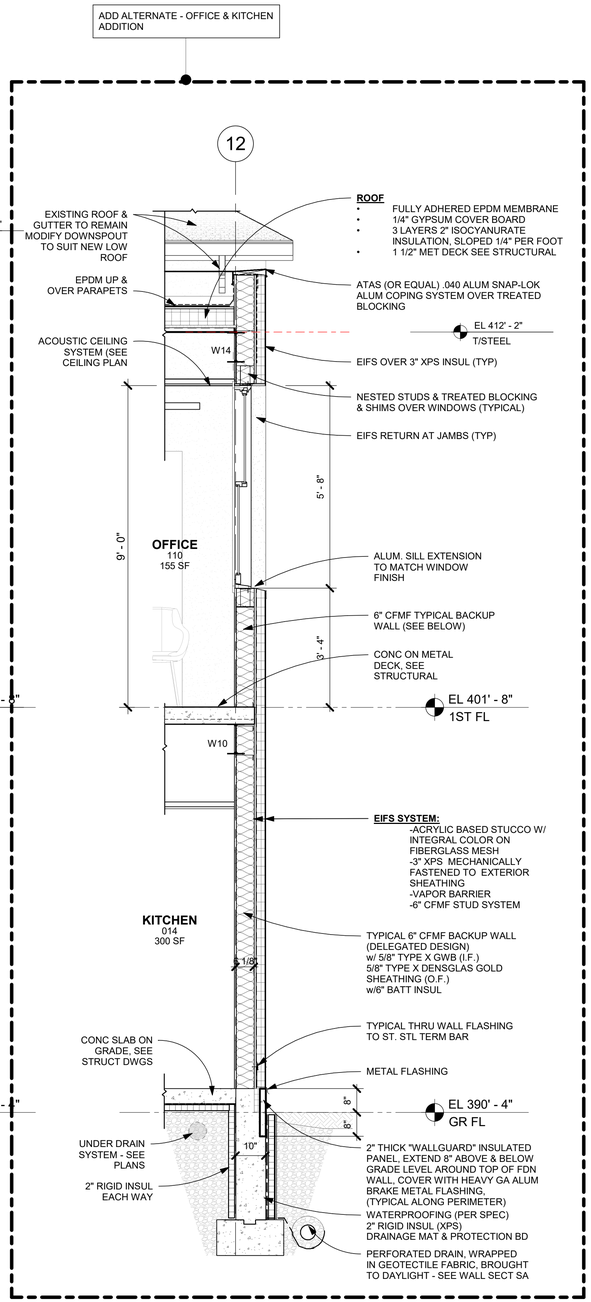
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

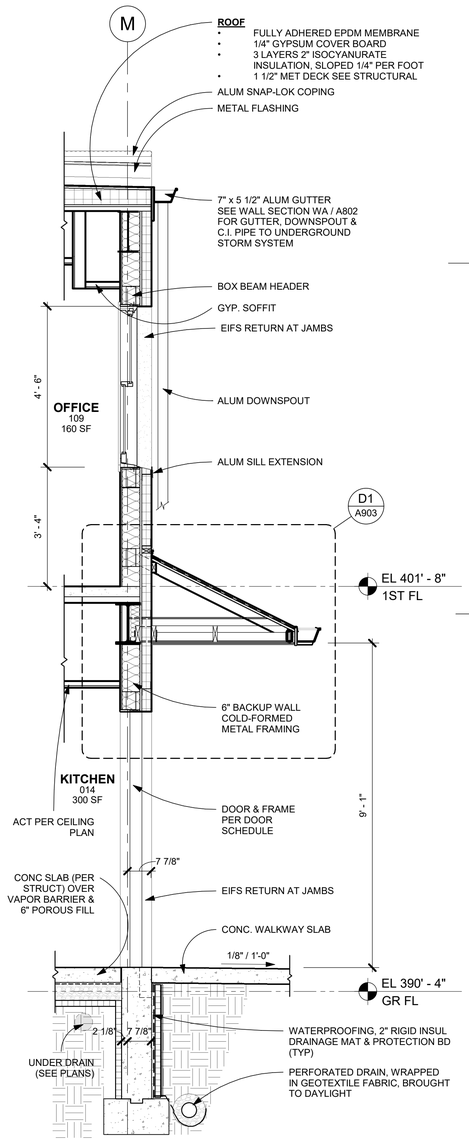
A601



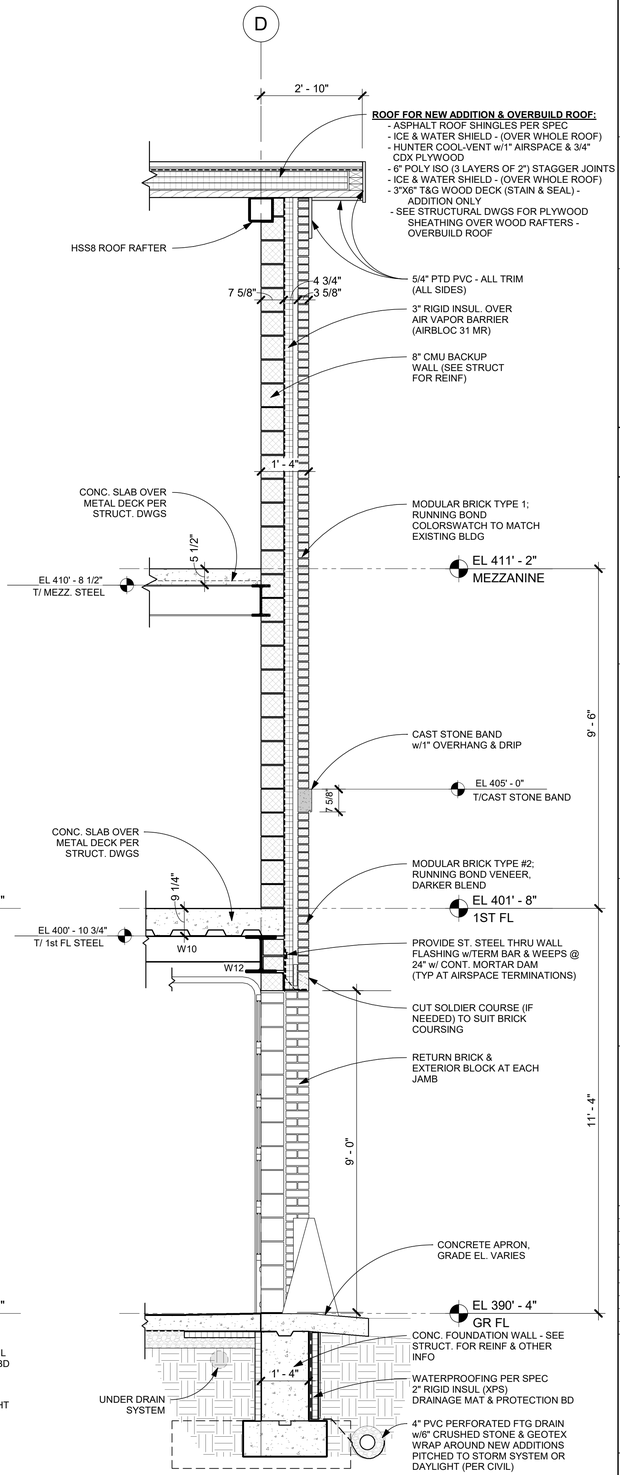
EB WALL SECTION EB - ADDITION EAST WALL
1/2" = 1'-0"



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



SB WALL SECTION SB - OFFICES & KITCHEN
1/2" = 1'-0"



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

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ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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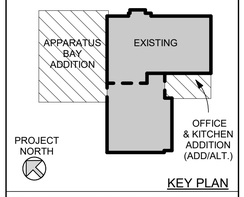

KEY PLAN

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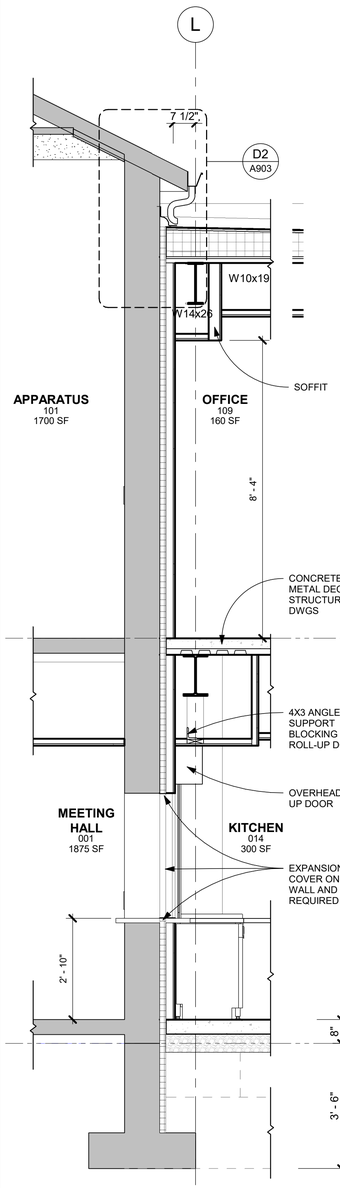
Sheet Title

WALL SECTIONS and DETAILS

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

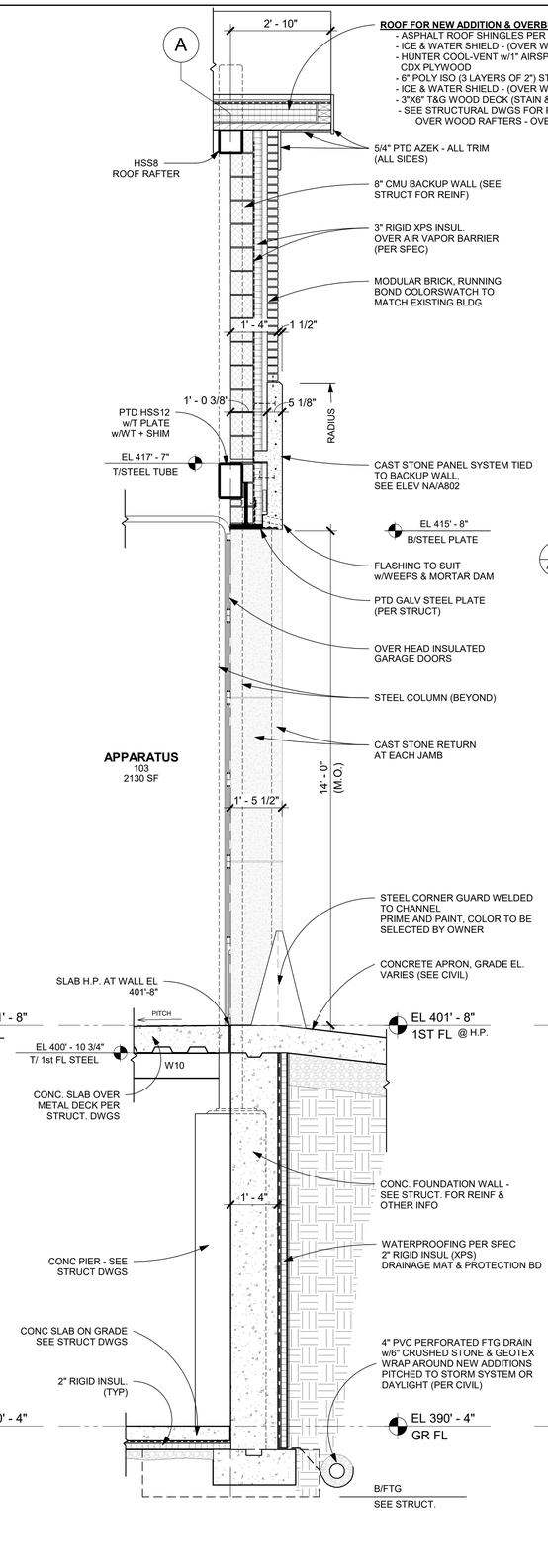
Sheet Number

A801



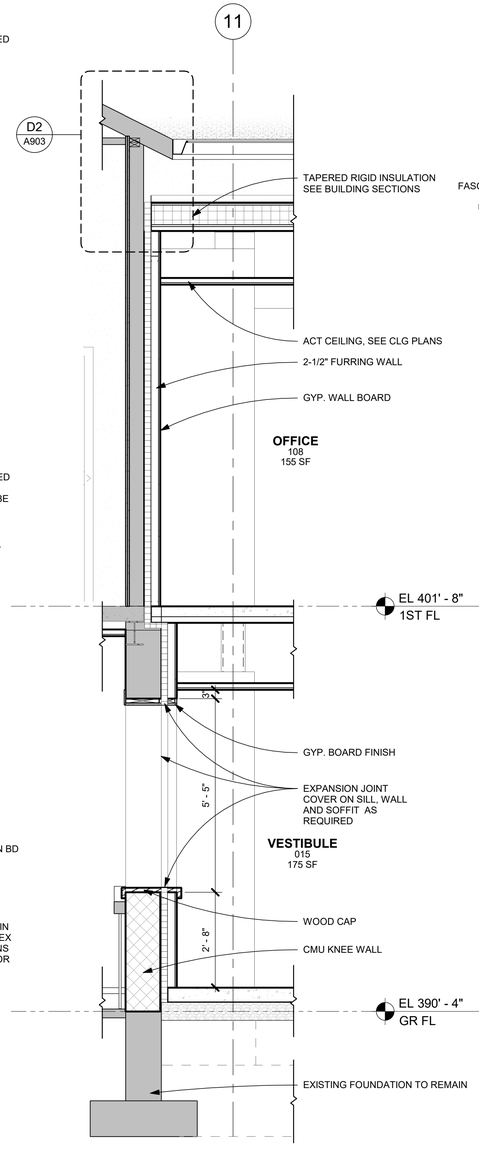
NB WALL SECTION NB @ MEETING HALL

1/2" = 1'-0"



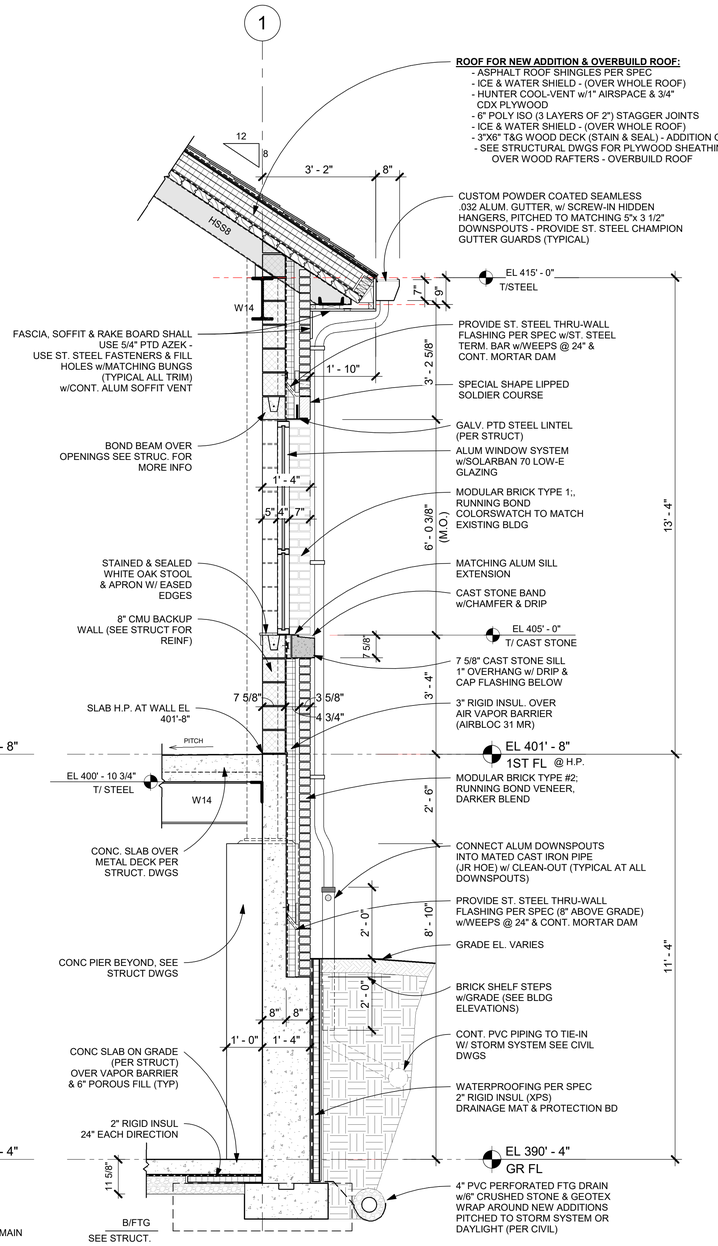
NA WALL SECTION NA - NORTH FACADE

1/2" = 1'-0"



WB WALL SECTION NB @ VESTIBULE / OFFICE

1/2" = 1'-0"



WA WALL SECTION WA - WEST FACADE

1/2" = 1'-0"

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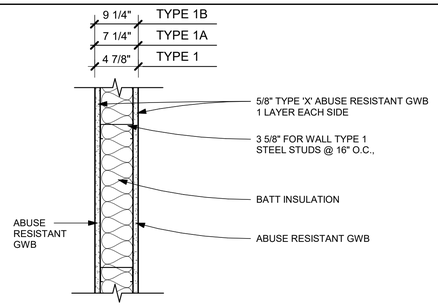
Sheet Title

WALL SECTIONS

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

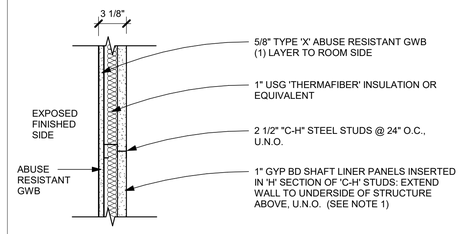
A802



1 / 1A / 1B — 1 hr FIRE RESISTIVE - UL #U465

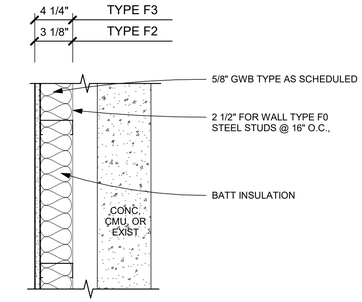
(FOR TYPE 1A - USE 6" STEEL STUDS)
(FOR TYPE 1B - USE 8" STEEL STUDS)

DESIGN STC = 50

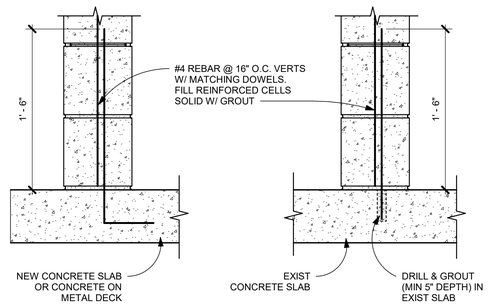


S1 — 1 hr - SHAFT WALL (UL #U415 - SYSTEM A)

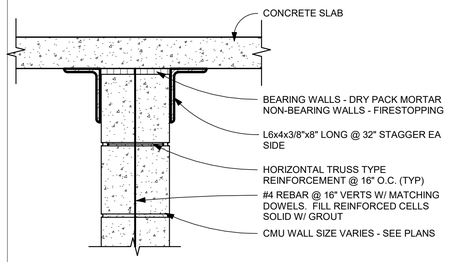
NOTE:
ASSEMBLE WALL PER UNDERWRITERS LABORATORY FIRE RESISTANCE RATING REQUIREMENTS.



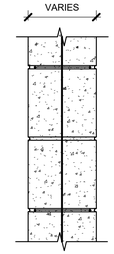
F2 / F3 — FURRING WALL



MB — TYPICAL CONCRETE MASONRY UNIT WALL & SLAB ATTACHMENT



MT — TYPICAL CONCRETE MASONRY UNIT WALL / SLAB ATTACHMENT



REINFORCE ALL MASONRY WALLS W/ #4 REBAR @ 16" VERTS W/ MATCHING DOWELS TO MATCH EXTENDED 18" REBAR FROM SLAB OR WALL. FULLY GROUT REINFORCED CELLS. SEE SPECS & STRUCTURAL DWGS FOR OTHER REQUIREMENTS

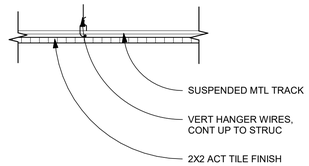
- M4 — DENOTES 4" CMU
- M6 — DENOTES 6" CMU
- M8 — DENOTES 8" CMU
- M10 — DENOTES 10" CMU
- M12 — DENOTES 12" CMU

REFER TO DETAILS MT & MB FOR REQUIREMENTS WHERE MASONRY WALLS CONNECT TO FLOORS AND DECKS

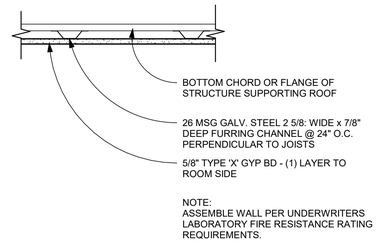
M4 / M6 / M8 / M10 / M12 — CONCRETE MASONRY UNIT WALL

MASONRY UNITS MUST ACHIEVE INTENDED FIRE RATING SHOWN IN PLANS & PER UL U906 (2hr RATING) - SEE SPECS FOR MORE INFO

WALL TYPES



C3 — ACOUSTIC TILE CEILING (TYP.)



C1 — 1 hr - RATED ROOF/CEILING (UL # P519)

C2 — 1 hr - RATED FLOOR/CEILING (UL # G515)

CEILING TYPES

TYPICAL WALL CONSTRUCTION NOTES

1. ALL WALLS ARE FULL HEIGHT FROM FLOOR TO UNDERSIDE OF FLOOR OR ROOF ABOVE (U.N.O.)
2. X / 1 — DENOTES WALL TYPE (TAG) & FIRE-RATING - WHERE INDICATED
   - 1 — WALL FIRE-RATING (IN HOURS)
3. DENOTES 1hr FIRE-RATED WALL TYPE
   - 1 / 1 — DENOTES TYPE 1 WALL FIRE-RATED FOR 1 HOUR
4. DENOTES NON-FIRE-RATED WALL TYPE
   - 1
5. PROVIDE DEFLECTION TRACK AT TOP OF ALL WALLS & PROVIDE FIRE RATED DEFLECTION TRACK SYSTEM AT THE TOP OF ALL FIRE-RATED WALLS. REFER TO THE SPECS & DETAILS H1 & H2 ON THIS SHEET.
6. SEE SPECIFICATIONS FOR MORE INFORMATION & FOR FIRESTOPPING REQUIREMENTS.
7. EXTERIOR BACKUP WALLS ARE TO BE PERFORMED AS A DELEGATED DESIGN, SEE SPECS FOR MORE INFO
8. PROVIDE 'INSUL-HOLD' HANGERS OR EQUAL BATT RETAINING CLIPS @ 48" MAX SPACING PER MFR FOR ALL SINGLE SIDED SHEETROCK FURRING WALLS
9. SIMILAR NOMENCLATURE APPLIES TO MASONRY WALLS (M4, M6, M8 ETC.)
10. ALL WALLS & SOFFITS SHALL RECEIVE INSULATION EVEN IF NOT SPECIFICALLY SHOWN IN SECTIONS & DETAILS.
11. SEE SPECS FOR TEMPERATURE & HUMIDITY REQUIREMENTS PRIOR TO INSTALLING ANY TYPE OF WALLBOARD PRODUCT. INSTALLATION PRIOR TO SPECIFIED & MFR RECOMMENDED CONDITIONS IS AT THE SOLE RISK OF THE CONTRACTOR & WILL MOST LIKELY REQUIRE REPLACEMENT WITHOUT ADDED COST TO THE OWNER OR LOSS OF TIME TO THE CONSTRUCTION SCHEDULE.
12. ACOUSTICAL BATT INSULATION SHALL BE SEALED AIRTTIGHT wW/NON-HARDENIING ACOUSTICAL SEALANT AT TOP, BOTTOM & SIDES.
    WALL MOUNTED ELECTRICAL BOXES SHALL BE OFFSET 24" MINIMUM (BACK-TO-BACK IS NOT PERMITTED) SEAL TIGHT w/ ACOUSTICAL SEALANT ON ALL SIDES
    PIPE & DUCT PENETRATIONS SHALL BE SLEEVED & PACKED w/ 10 lb. DENSITY CLOSED CELL FOAM & SEALED TO WALL w/NON-HARDENING ACOUSTICAL SEALANT.

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Sheet Title

TYPICAL, WALL & CLG TYPES

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

A900

GLAZING LEGEND & TYPES

INTERIOR

KEY	TYPES	USE	DESCRIPTION / BASIS-OF-DESIGN
	WHERE NO TYPE IS INDICATED	GENERAL	CLEAR FLOAT GLASS - SAFETY GLASS WHERE NOTED &/OR SPECIFIED
	FP-*RATING*		CLEAR LAMINATED CERAMIC GLASS - MEETS FIRE DOOR CRITERIA & HOSE STREAM TEST PER NFPA 252 (FIRELITE PLUS PREMIUM)

EXTERIOR

KEY	TYPES	USE	DESCRIPTION / BASIS-OF-DESIGN
	IGV	GENERAL	INSULATED CLEAR ANNEALED GLASS w/ LOW-E (SOLARBAN 70) - USE HEAT-STRENGTHENED, LAMINATED, &/OR TEMPERED AS NOTED &/OR SPECIFIED
	IGV-1	SPANDREL	INSULATED CLEAR HEAT-STRENGTHENED GLASS w/ LOW-E (SOLARBAN 70) & SPANDREL COATING AS SPECIFIED

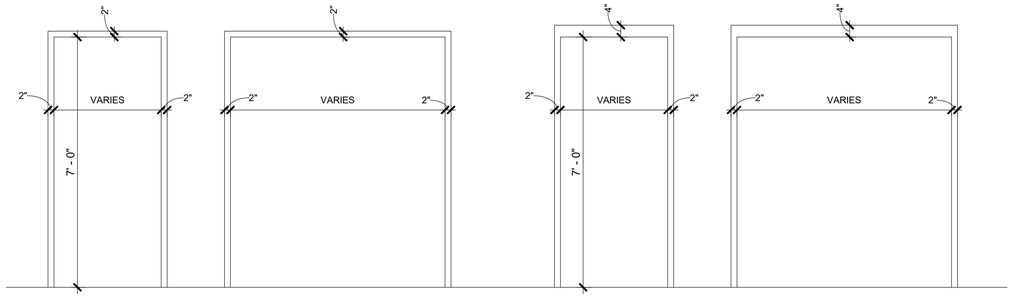
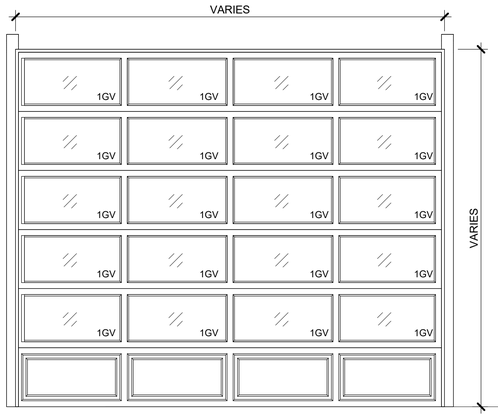


CHART OF DOOR RATINGS & UL LABEL

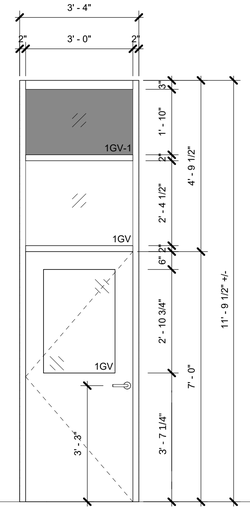
UL LABEL	RATING	RATING	MAX GLASS AREA
B	1 1/2 HR	90 MIN	100 SQ INCHES PER LEAF
C	3/4 HR	45 MIN	1296 SQ INCHES PER LEAF
S	SMOKE	SMOKE	

NOTE:
GLAZING AND GLASS SIZES FOR INTERIOR DOORS AND WINDOWS ARE TO COMPLY WITH NFPA 80 OR ASTM E119 - TYP.

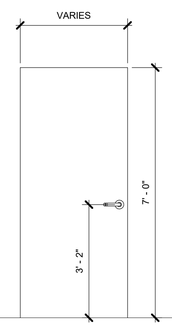
OD1



FG1 W/ TRANSOM

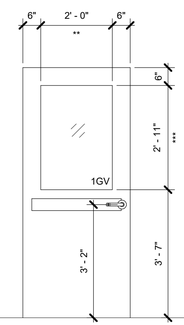


F



FLUSH (F)

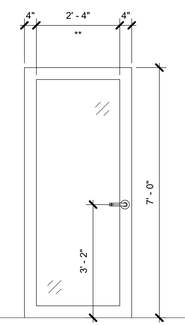
FG1



FLUSH GLASS 1 (FG1)

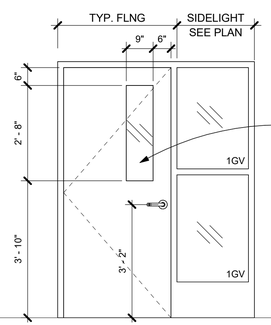
*** DIMENSION INCREASES
AT DOORS > 7'-0" H
AT DOORS > 3'-0" W

GL



FRAMED GLASS DOOR (GL)

FLNG

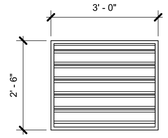


1GV AT EXTERIOR DOORS. FP-60 OR FP-90 AS SPECIFIED ON DOOR SCHEDULE. SEE A200 AND A201 FOR LOCATIONS. ALL OTHER FLNG ARE CLEAR FLOAT GLASS

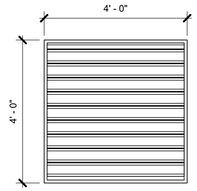
FLUSH LONG NARROW GLASS 1 (FLNG)

MAXIMUM GLAZING
288 SQ. IN.
AT 'C' LABEL DOORS

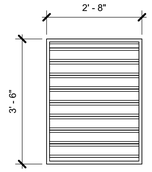
ALL EXTERIOR LOUVERS SHALL BE 4" DEEP ALUM. HORIZONTAL BLADE, STORM-PROOF, DRAINABLE, w/ 50% FREE AREA (MIN) IN PREMIUM (KYNAR) METALLIC (OR CUSTOM) COLOR SELECTED BY ARCHITECT, w/ BIRD SCREEN (SIM TO RUSKIN ELF375DX)



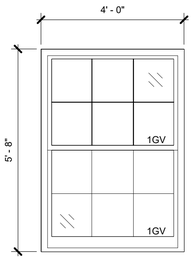
L3 LOUVER - L3
1/4" = 1'-0"



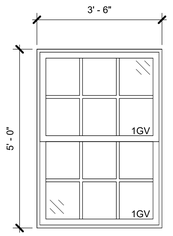
L2 LOUVER - L2
1/4" = 1'-0"



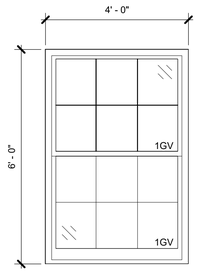
L1 LOUVER - L1
1/4" = 1'-0"



W3 OFFICE EAST
1/4" = 1'-0"



W2 OFFICE SOUTH
1/4" = 1'-0"



W1 APPARATUS BAY
1/4" = 1'-0"

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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CONSTRUCTION DOCUMENTS

Professional Seal

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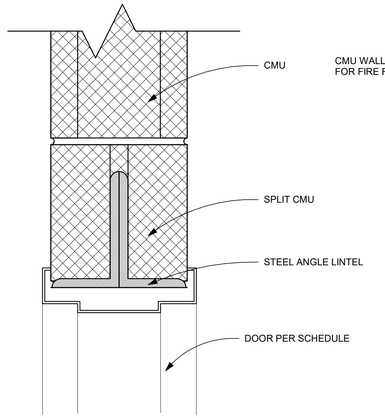
Sheet Title

TYPICAL DOOR & WINDOW TYPES

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

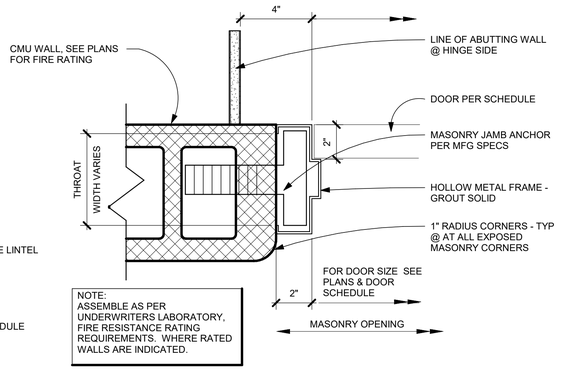
Sheet Number

A901



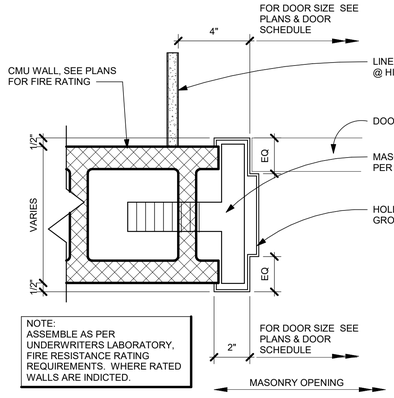
D DOOR HEAD AT CMU WALL

SCALE 3"= 1'-0"



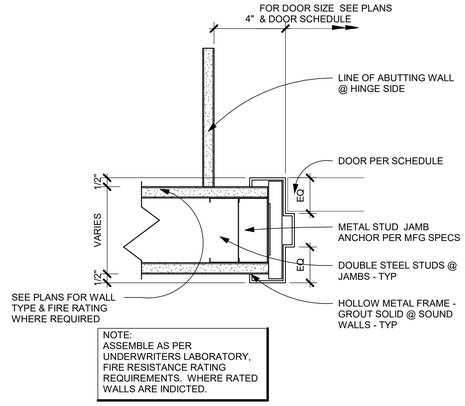
C DOOR JAMB AT CMU WALL

SCALE 3"= 1'-0"



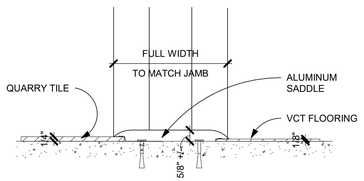
B DOOR JAMB AT CMU WALL

SCALE 3"= 1'-0"



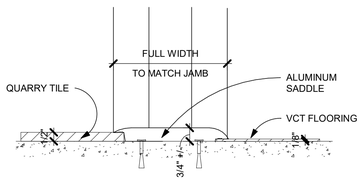
A DOOR JAMB AT GYP BD WALL

SCALE 3"= 1'-0"



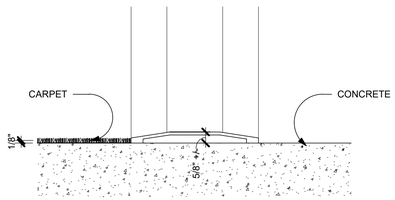
H VCT & RUBBER TILE SADDLE DETAIL

SCALE 3"= 1'-0"



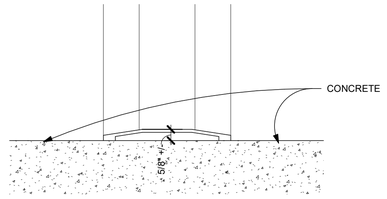
G VCT & QUARRY TILE SADDLE DETAIL

SCALE 3"= 1'-0"



F CARPET & CONCRETE SADDLE

SCALE 3"= 1'-0"



E CONC. SADDLE

SCALE 3"= 1'-0"

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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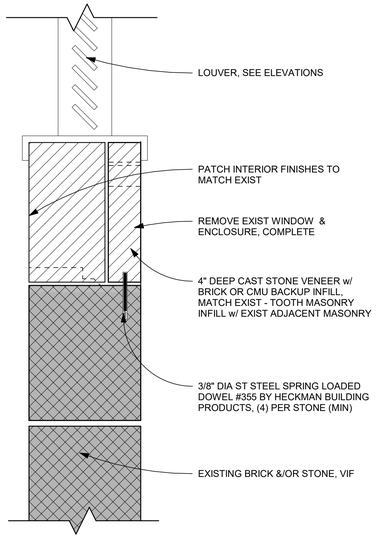
Sheet Title

HEAD, JAMB & SILL DETAILS

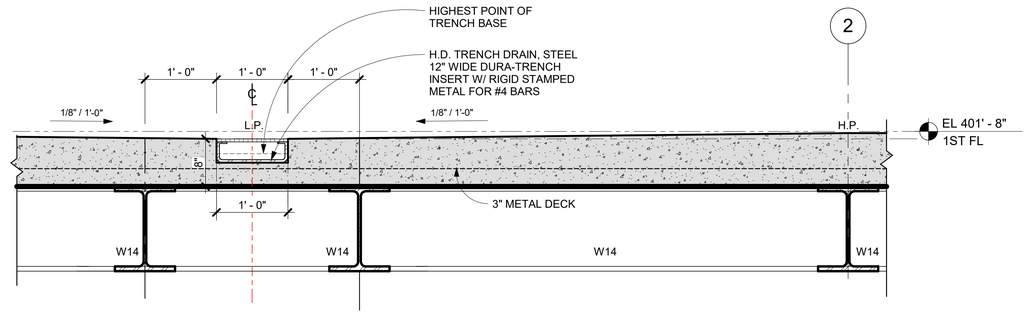
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

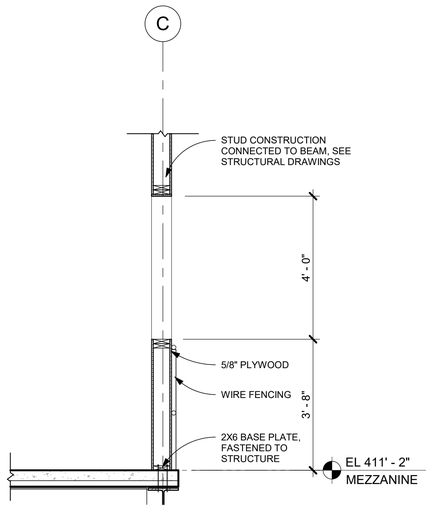
A902



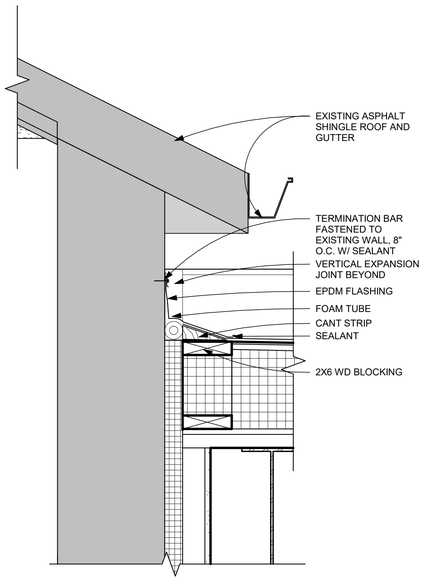
D5 D5 - WINDOW INFILL DETAIL
1 1/2" = 1'-0"



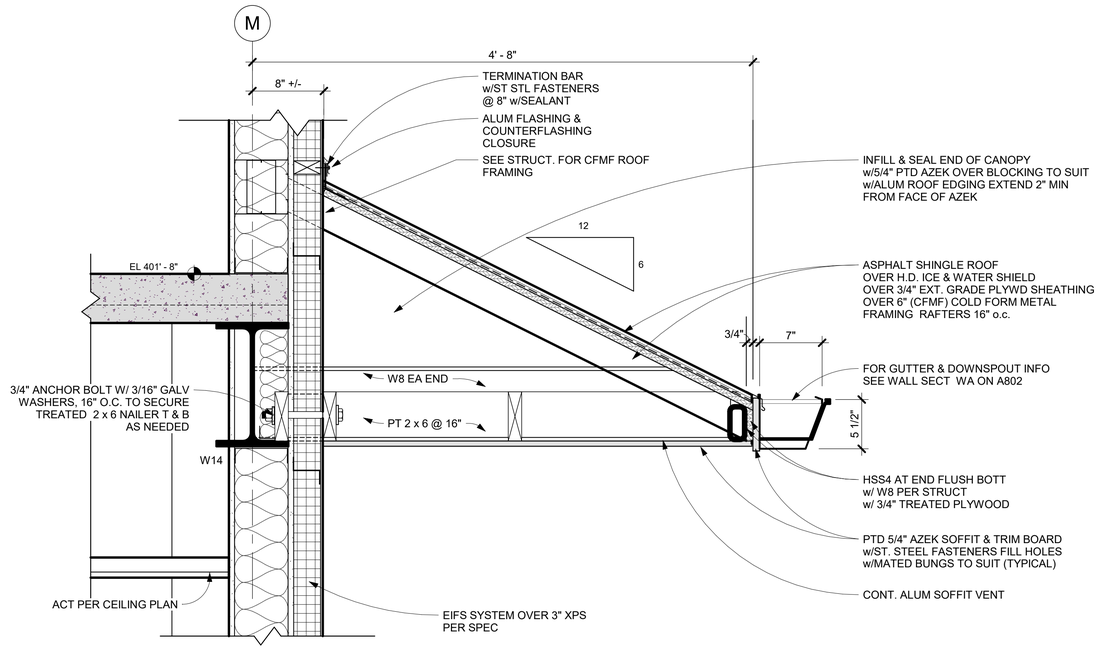
D4 D4 - TRENCH DRAIN DETAIL
1" = 1'-0"



D3 D3 - FIRE TRAINING WINDOW - BY OWNER
1/2" = 1'-0"



D2 D2 - EPDM ROOF @ EXISTING STRUCTURE
1 1/2" = 1'-0"



D1 D1 - CANOPY DETAIL
1 1/2" = 1'-0"

FIREHOUSE
ADDITIONS & ALTERATIONS

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DETAILS

Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

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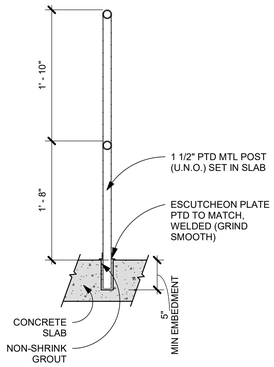
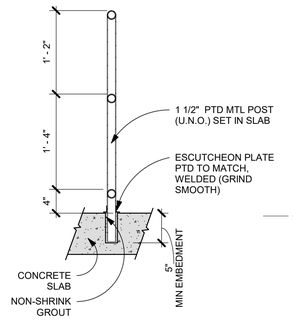
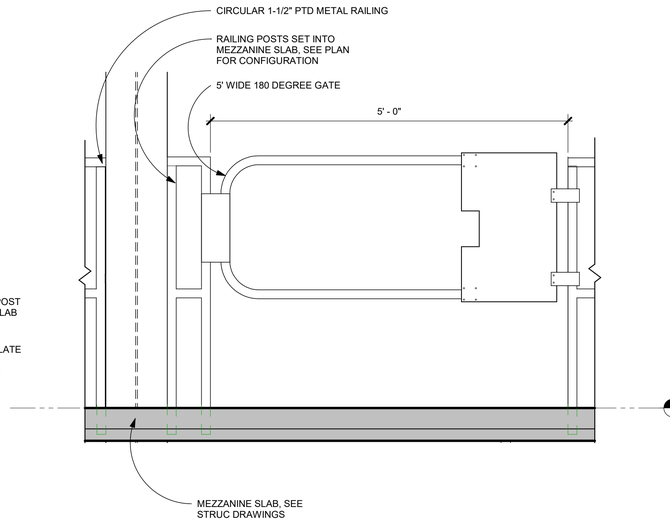
A903



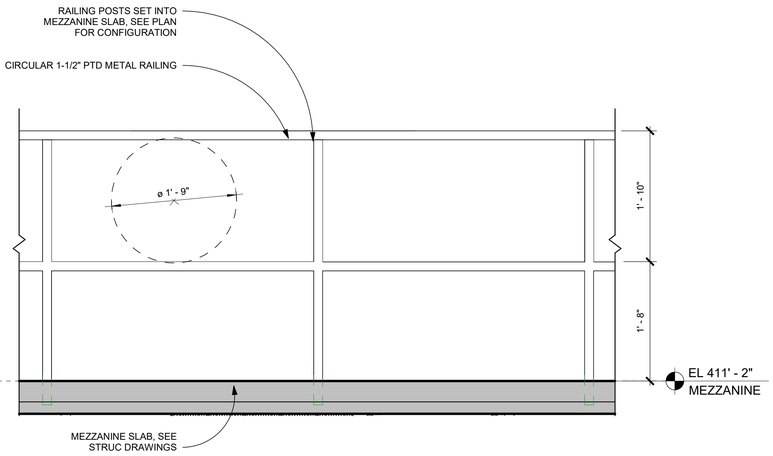
PB PB - MECH. RAILING POST
1" = 1'-0"



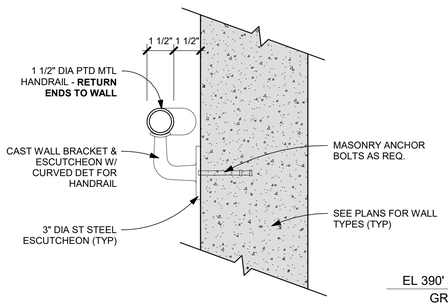
PA PA - STAIR, RAMP & LANDING POST
1" = 1'-0"



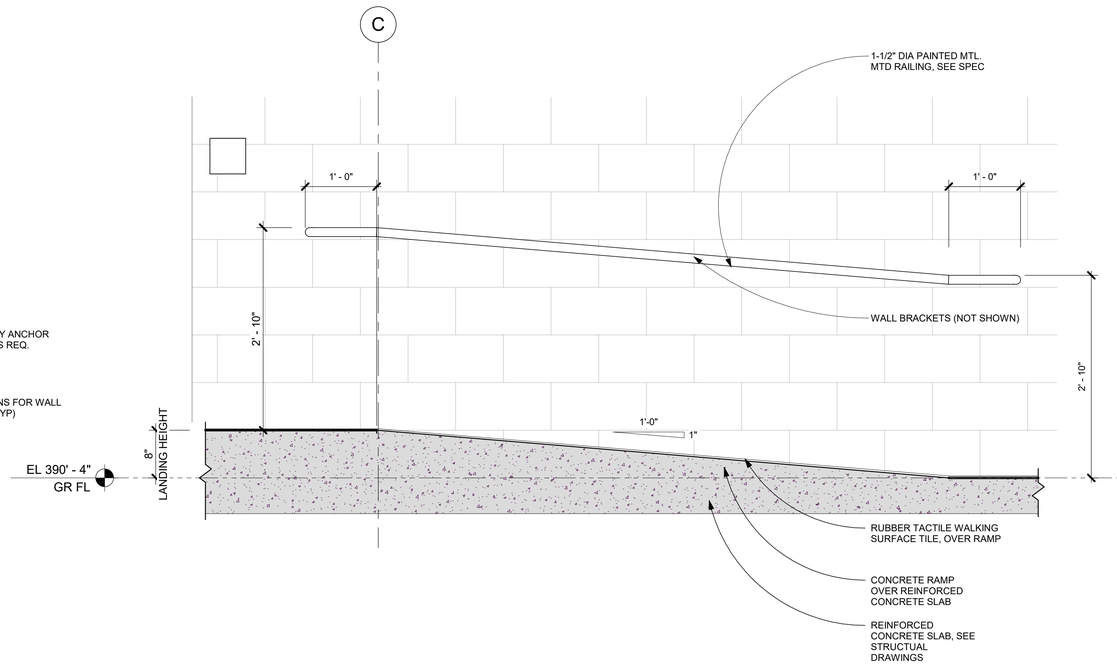
D10 D10 - RAILING GATE - MECH
1" = 1'-0"



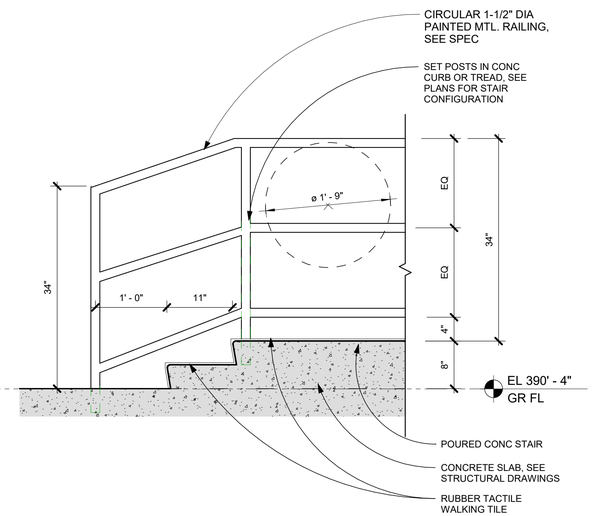
D9 D9 - RAILING DETAIL - MECH
1" = 1'-0"



D8 WALL MTD RAILING DETAIL
3" = 1'-0"



D7 D7 - RAMP DETAIL
1" = 1'-0"



D6 D6 - STAIR & LANDING DETAIL
1" = 1'-0"

FIREHOUSE
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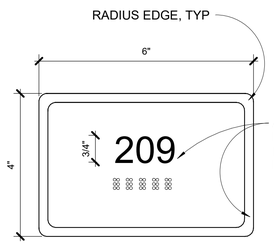
Sheet Title

STAIR & RAILING DETAILS

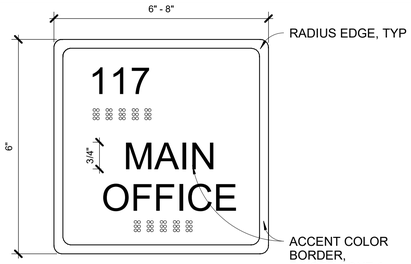
Job No.	Date
2023-1005	06/11/24
Scale: AS NOTED	Drawn / Checked: TC/WH

Sheet Number

A904

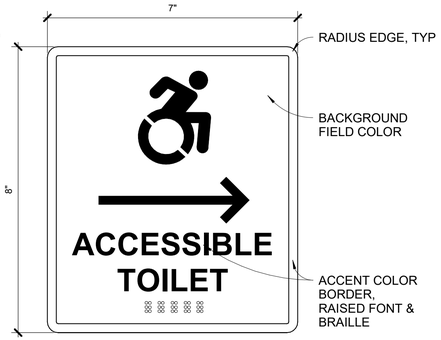


TYPE A - TYPICAL ROOM IDENTIFICATION

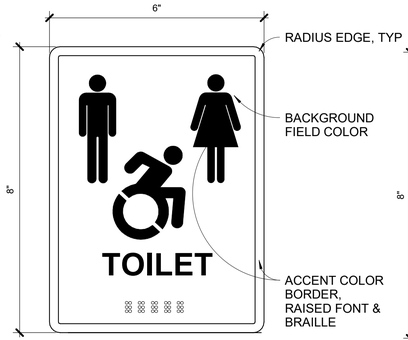


TYPE B - ROOM IDENTIFICATION SIGN

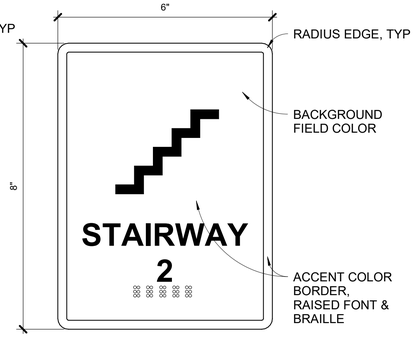
TYPE C - UNISEX TOILET IDENTIFICATION SIGN



TYPE F - ACCESSIBLE TOILET IDENTIFICATION SIGN



TYPE G - ACCESSIBLE TOILET IDENTIFICATION SIGN

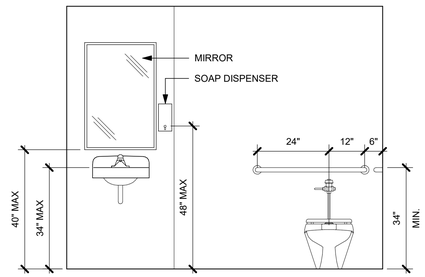


TYPE H - STAIR EDENTIFICATION SIGN

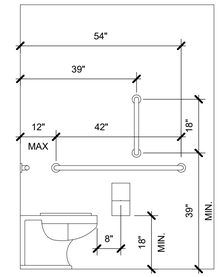
S SIGNAGE TYPES
6" = 1'-0"

GENERAL NOTE:
SIGNAGE MOUNTING TO COMPLY WITH 2017 ADA STANDARDS FOR ACCESSIBLE DESIGN SECTION 703.4
UNO - SEE ARCHITECT FOR FINAL LOCATIONS

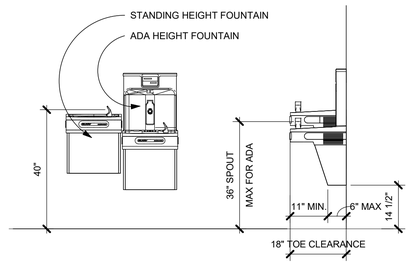
SIGNAGE SCHEDULE				
ROOM NUMBER	ROOM NAME	SIGN TYPE	SIGN TEXT	SIGN COMMENTS
001	MEETING HALL	B	MEETING HALL	
002	APPARATUS	B	APPARATUS	
004	BOILER ROOM	B	BOILER ROOM	
005	DATA	A		NO TEXT - ROOM NUMBER ONLY. SEE A905, SIGN TYPE 'A' FOR MORE INFO
006	ELEC	A		NO TEXT - ROOM NUMBER ONLY. SEE A905, SIGN TYPE 'A' FOR MORE INFO
006	ELEC	A		NO TEXT - ROOM NUMBER ONLY. SEE A905, SIGN TYPE 'A' FOR MORE INFO
007	ELEC/IT ROOM	A		NO TEXT - ROOM NUMBER ONLY. SEE A905, SIGN TYPE 'A' FOR MORE INFO
008	MECH	A		NO TEXT - ROOM NUMBER ONLY. SEE A905, SIGN TYPE 'A' FOR MORE INFO
011	ADA TOILET	G	TOILET	
011	ADA TOILET	F	ACCESSIBLE EXIT	
012	TOILET	C	TOILET	SIM
012	TOILET	C	TOILET	SIM
012A	MECH	A		NO TEXT - ROOM NUMBER ONLY. SEE A905, SIGN TYPE 'A' FOR MORE INFO
014	KITCHEN	B	KITCHEN	
103	APPARATUS	A		NO TEXT - ROOM NUMBER ONLY. SEE A905, SIGN TYPE 'A' FOR MORE INFO
106	TOILET	C	TOILET	SIM
108	OFFICE	B	OFFICE	
109	OFFICE	B	OFFICE	
110	OFFICE	B	OFFICE	
204	TOILET	C	TOILET	SIM
206	TOILET	C	TOILET	SIM
S1	STAIR	H	STAIRWELL	
S1	STAIR	H	STAIRWELL	
S2	STAIRWELL	H	STAIRWELL	
S2	STAIRWELL	H	STAIRWELL	



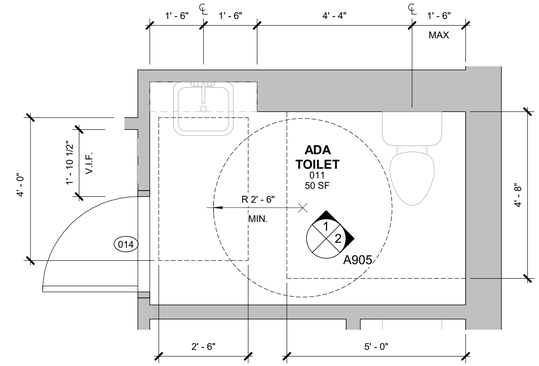
1 BATHROOM ELEVATION - NORTH
1/2" = 1'-0"



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



WF WATER FOUNTAIN
1/2" = 1'-0"



T ENLARGED PLAN - ADA TOILET
1/2" = 1'-0"

FIREHOUSE
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BATHROOM & SIGNAGE DETAILS

Job No.	Date
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Scale: AS NOTED	Drawn / Checked: TC/WH

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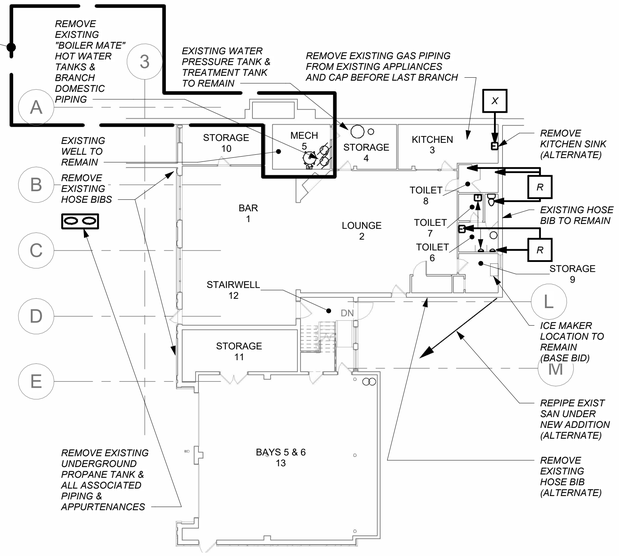
A905

REMOVAL OF EXIST HWH AND ASSOCIATED WORK NOT IN SCOPE, BY OWNER

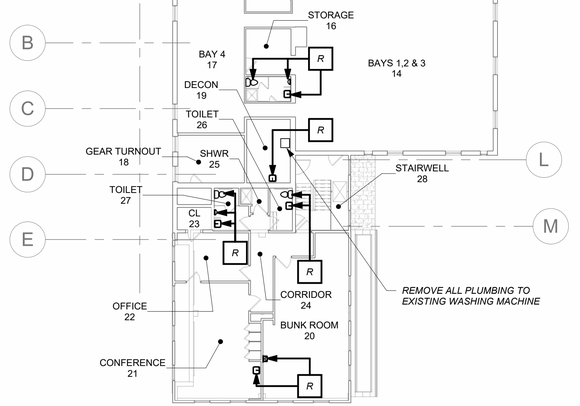


GROUND FLOOR PLAN (REMOVALS)

1 / P101

0 16' 32'

1/16 inch=1 foot



FIRST FLOOR PLAN (REMOVALS)

2 / P101

0 16' 32'

1/16 inch=1 foot

LEGEND

	NEW PIPING, FIXTURES, ETC.
	COLD WATER PIPING
	HOT WATER PIPING
	HOT RETURN WATER PIPING
EPD	EXISTING PUMP DISCHARGE
PD	PUMP DISCHARGE
	PLUMBING VENT PIPING
ESAN	EXISTING SANITARY PIPING
EUSAN	EXISTING SANITARY PIPING (UNDERGROUND)
EST	EXISTING STORM PIPING
EUST	EXISTING STORM PIPING (UNDERGROUND)
SAN	SANITARY PIPING
USAN	SANITARY PIPING (UNDERGROUND)
ST	STORM PIPING
UST	STORM PIPING (UNDERGROUND)
G	GAS PIPING
EG	EXISTING GAS PIPING
UG	UNDERGROUND GAS PIPING
	FLOW DIRECTION WITHIN PIPE
	CLEANOUT
	CLEANOUT DECK PLATE
	GATE VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
	OS & Y VALVE
	CHECK VALVE
	GAS SHUT OFF COCK
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	PLUMBING FIXTURE IDENTIFICATION
P.C.	PLUMBING CONTRACTOR
G.C.	GENERAL CONTRACTOR
HVAC	HVAC CONTRACTOR
VTR	VENT THRU ROOF
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
PRV	PRESSURE REDUCING VALVE
	POINT OF CONNECTION, NEW TO EXISTING
	PART PLAN, DETAIL, SECTION NUMBER DRAWING NUMBER SECTION IDENTIFICATION

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	BRANCH SIZE W	V	H	C
A	WALL MOUNTED LAVATORY	4"	2"	3/4"	3/4"
B	EYE WASH	2"	1-1/2"	1/2"	1/2"
C	WATER COOLER	2"	1-1/2"	-	1/2"
R	EXISTING FIXTURE TO REMAIN	-	-	-	-
X	EXISTING FIXTURE TO BE REMOVED	-	-	-	-

REMOVAL NOTES

1. REMOVE ALL PLUMBING FIXTURES, EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING, AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT
2. WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN INCLUDES ALL GAS, SANITARY, VENT, WATER, ACID WASTE AND PUMP DISCHARGE PIPING. REFER TO DIVISION I OF SPECIFICATION THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED COMPLETELY TOGETHER WITH ALL CONNECTING PIPING, SPECIALTIES, SUPPORTS, FOR CUTTING AND PATCHING REQUIREMENTS, CONTROLS, ETC. CONNECTING PIPING IS TO BE REMOVED BACK TO MAINS WHERE THE ARE TO BE CAPPED OR DISCONNECTED.
3. WHERE EXISTING PIPING ENTERS INACCESSIBLE TRENCHES, TUNNELS, SHAFTS, WALLS AND CEILINGS INSIDE THE EXISTING BUILDING, IT SHALL BE CUT BACK AT LEAST 2" INTO SUCH INACCESSIBLE SPACES AND SHALL BE SUITABLY CAPPED AND SEALED BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL EXERCISE NORMAL CAUTION TO PREVENT UNNECESSARY CUTTING AND DAMAGE TO THE EXISTING BUILDING. ANY EXCESSIVE DAMAGE AS DETERMINED BY THE OWNER SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR CAUSING THE DAMAGE.
5. ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND DISPOSED OF LEGALLY.

FIREHOUSE
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Pound Ridge, New York

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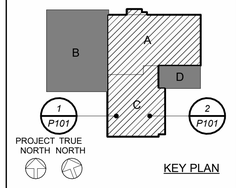
BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
39 MARBLE AVE PLEASANTVILLE, NY 10570
PHONE: 914.328.6060 FAX: 914.328.9304 Genoni@BGA-Eng.com



KEY PLAN

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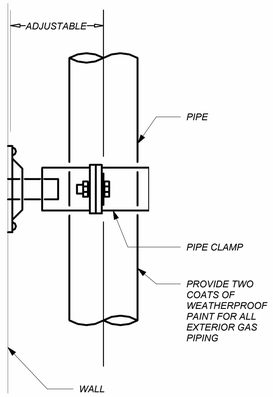
1	07-29-2023	SCHEMATIC DESIGN

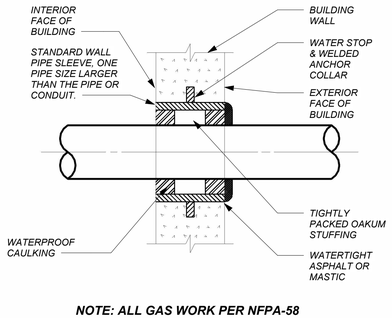
Sheet Title
LEGEND, NOTES, & GROUND & FIRST FLOOR PLANS

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: Author

Sheet Number
P101

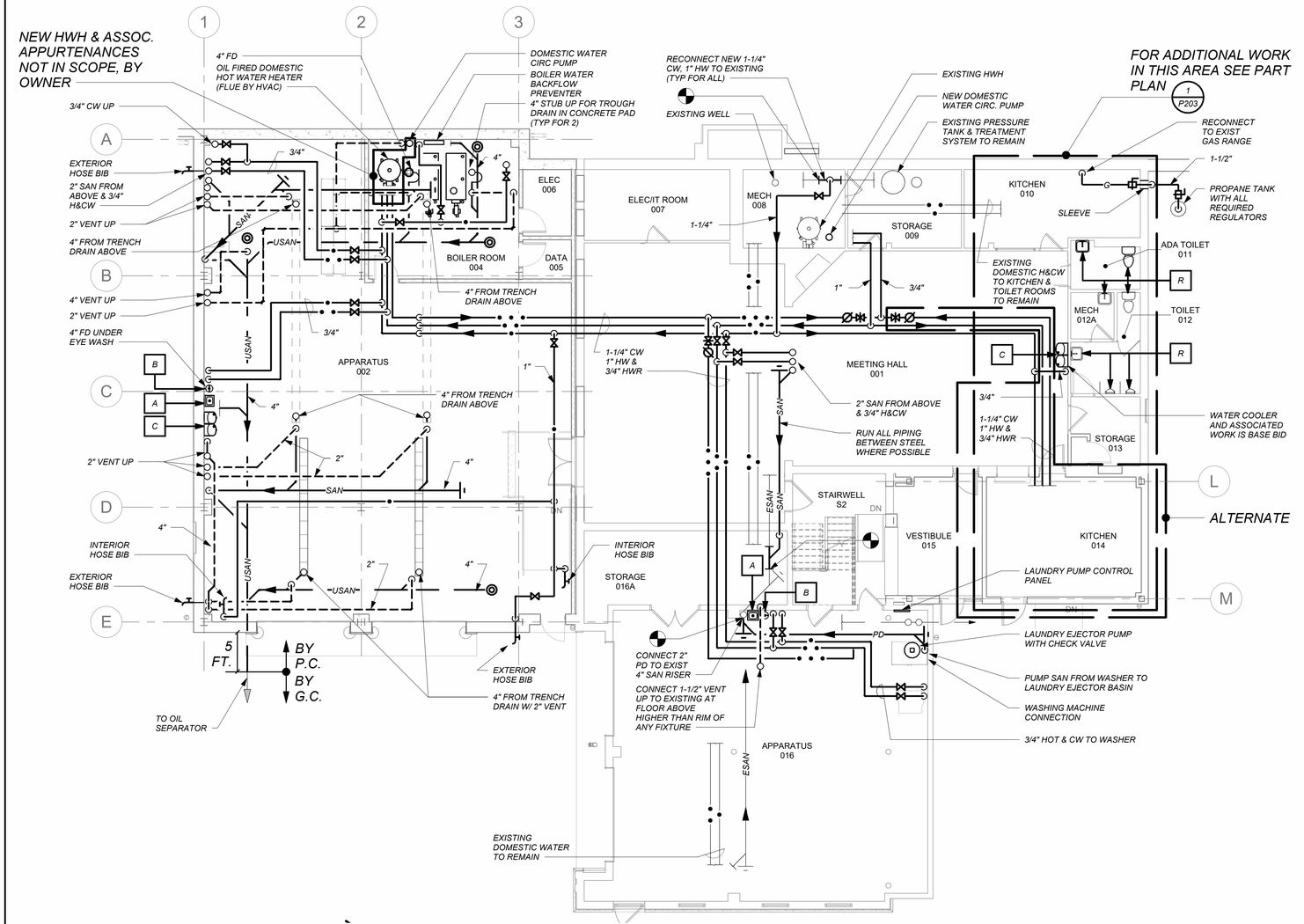


GAS PIPING SUPPORT AT WALL DETAIL 5/P201 NO SCALE

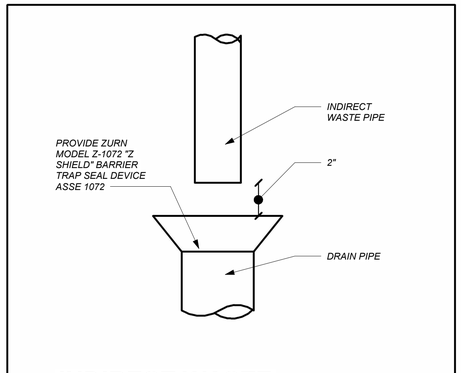


NOTE: ALL GAS WORK PER NFPA-58

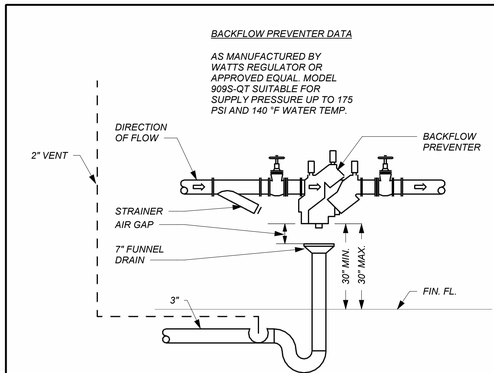
GAS PIPING SLEEVE DETAIL 6/P201 NO SCALE



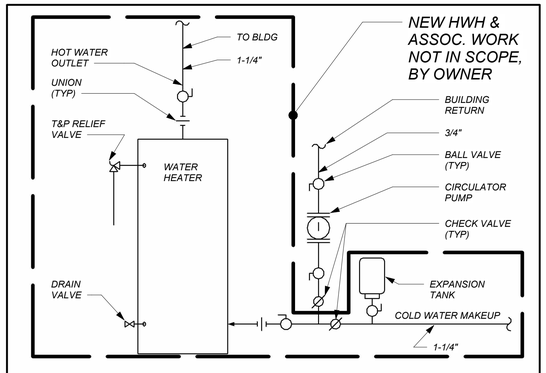
GROUND FLOOR PLAN 1/P201 1/8 inch=1 foot



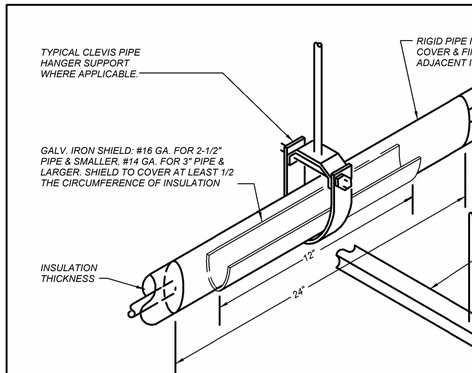
INDIRECT WASTE AIR GAP DETAIL 7/P201 NO SCALE



BOILER RPZ DETAIL 4/P201 NO SCALE



OIL FIRED HOT WATER HEATER DETAIL 3/P201 NO SCALE



INSULATED PIPE HANGER DETAIL 2/P201 NO SCALE

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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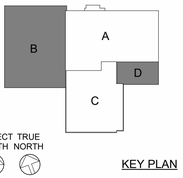
PHONE: 914.328.6050 FAX: 914.328.9304 Gemond@BGA-Eng.com



PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

GROUND FLOOR PLAN

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: Author

Sheet Number

P201

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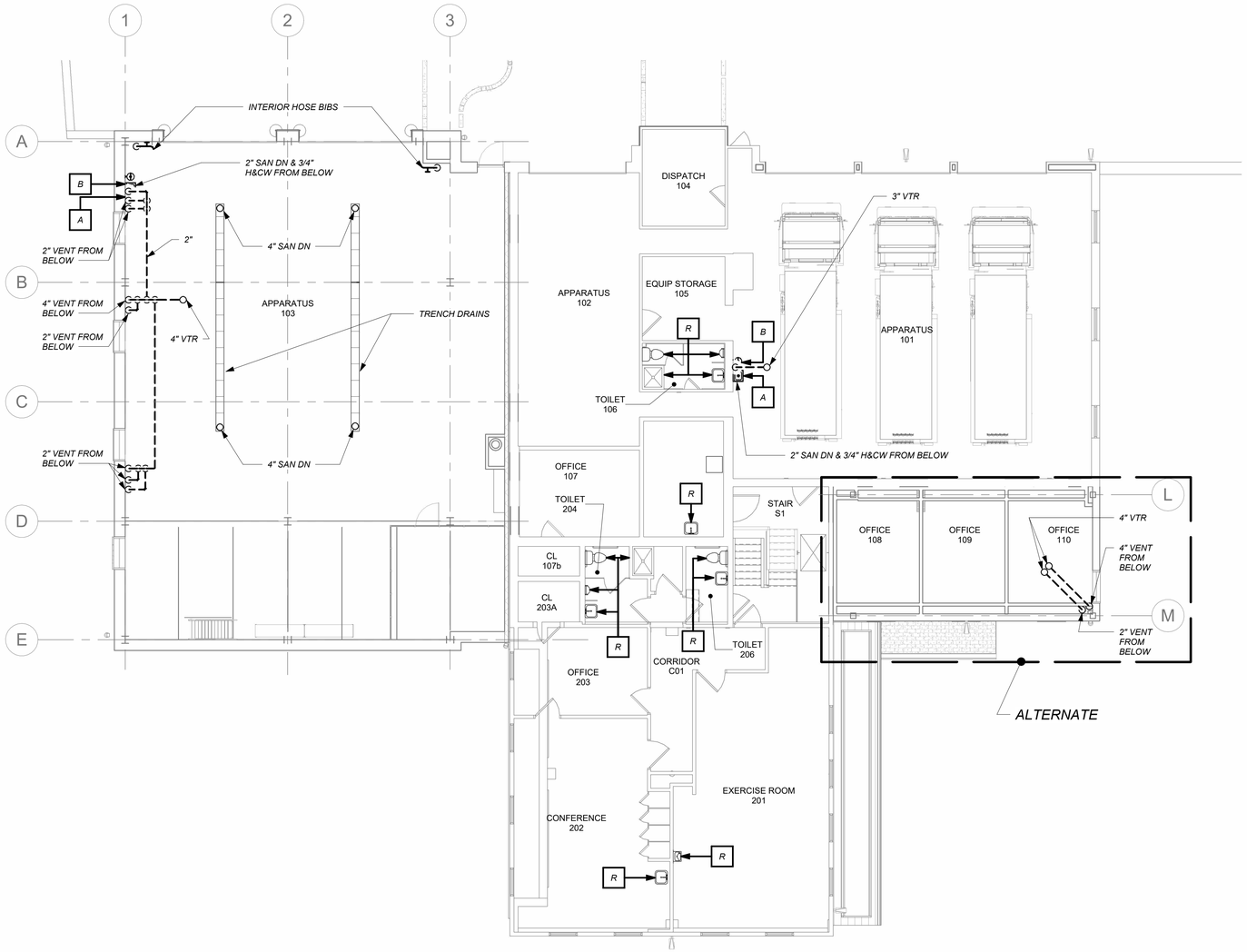

FIRST FLOOR PLAN (1 / P202) (NEW WORK)

0 8' 16'

1/8 inch=1 foot

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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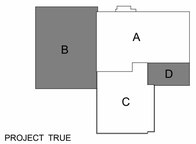

PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

No.	Date	Issue
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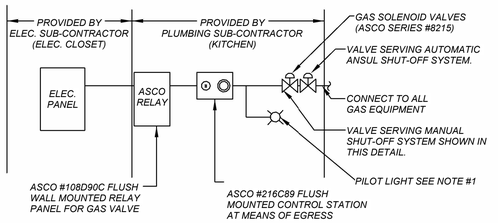
Sheet Title

FIRST FLOOR PLAN

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: Author

Sheet Number

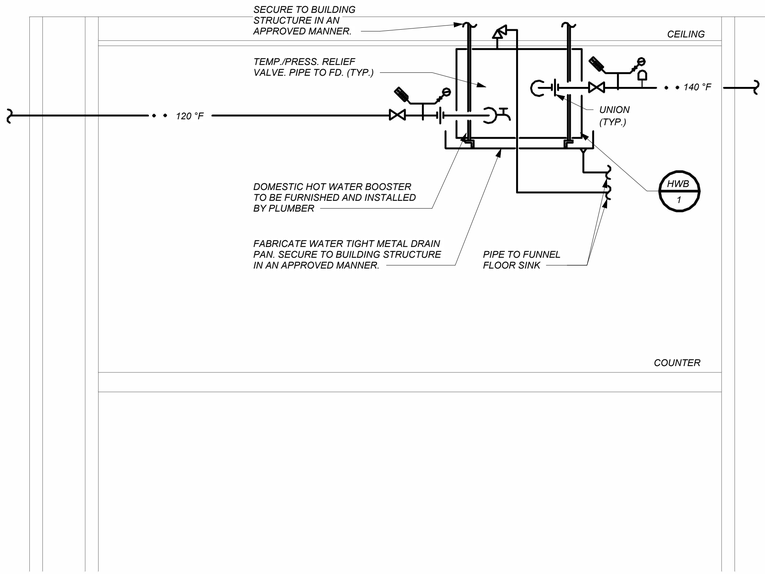
P202



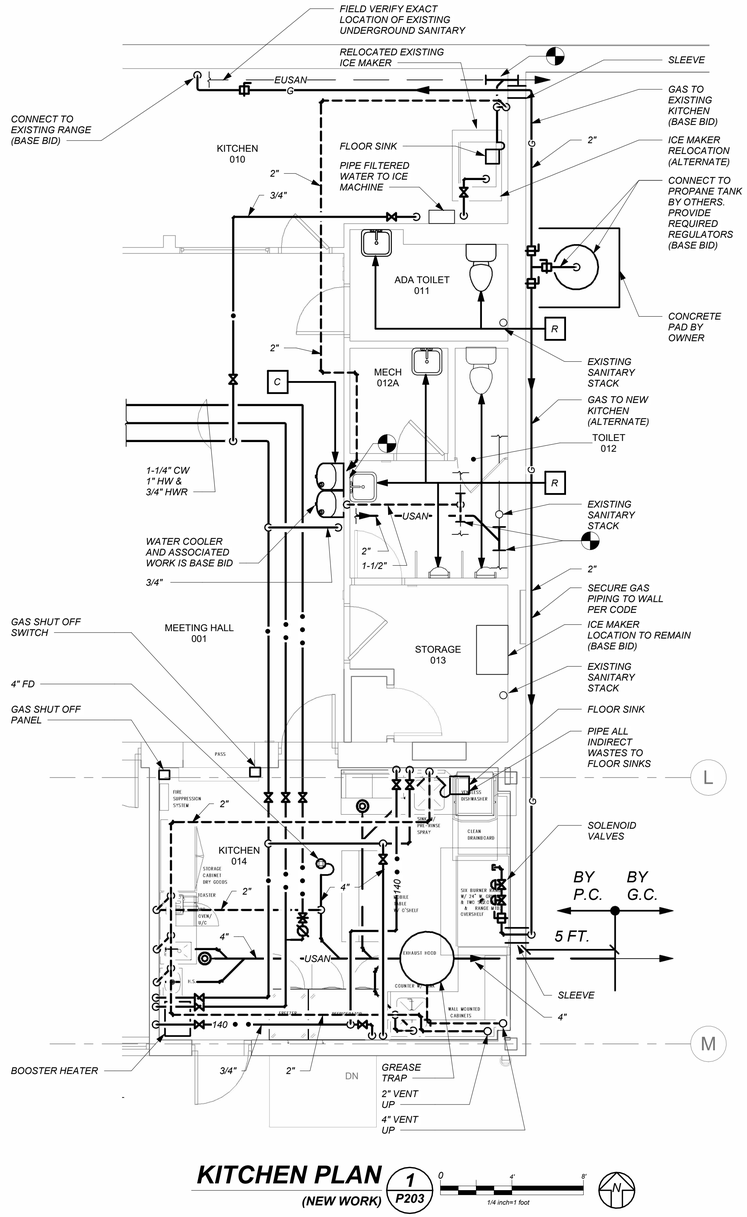
KITCHEN GAS SHUTOFF DETAIL (ALTERNATE) 2/P203 NO SCALE

NOTES:

1. PILOT LIGHT SHALL BE WALL MOUNTED ADJACENT TO CONTROL STATION. IT SHALL BE SIMILAR TO ABB #CBK-KLRL1 AND BLUE IN COLOR. PROVIDE STAINLESS STEEL COVER PLATE WITH PERMANENT TYPE-WRITTEN LABEL STATING "KITCHEN GAS".
2. OPERATION OF CONTROL STATION SHALL BE AS FOLLOWS:
   a) TURNING OF KEY SWITCH IN ONE DIRECTION SHALL ENERGIZE POWER TO GAS VALVE IN KITCHEN AND ILLUMINATE REMOTE WALL MOUNTED PILOT LIGHT. TURNING OF SWITCH IN OPPOSITE DIRECTION SHALL DE-ENERGIZE POWER AND CLOSE THE GAS VALVE AND TURN PILOT LIGHT OFF.
   b) OPERATION OF PUSH BUTTON AT CONTROL STATION SHALL DE-ENERGIZE POWER AND CLOSE GAS VALVE AND TURN PILOT LIGHT OFF. POWER TO VALVE SHALL NOT BE RESTORED UNTIL KEY SWITCH IS ACTIVATED AGAIN. PROVIDE ALL NECESSARY RELAYS, CONTACTS WIRING, ETC. FOR THE COMPLETE OPERATION AS LISTED ABOVE.
3. **THIS ARRANGEMENT PROVIDES ADDITIONAL SAFETY IN THE EVENT OF A FIRE. AUTOMATIC GAS SHUT OFF IS ALSO REQUIRED WHEN HOOD FIRE SUPPRESSION SYSTEM IS ACTIVATED.**



ELECTRIC HW BOOSTER DETAIL (ALTERNATE) 2/P203 NO SCALE



KITCHEN PLAN (NEW WORK) 1/P203

0 4" 8" — 1/4 inch=1 foot

PLUMBING NOTES

1. THIS PLUMBING PLAN IS INTENDED TO SHOW DRAINAGE REQUIREMENTS FOR FOODSERVICE EQUIPMENT ONLY. IT IS THE KITCHEN CONSULTANT'S RESPONSIBILITY TO CONFIRM DRAIN TYPE, CAPACITY, AND ELEVATION TO SATISFY LOCAL CODE REQUIREMENTS.
2. SEWAGE AND LIQUID WASTES (ROOF DRAINS) ARE TO BE CARRIED TO THE SEWER IN A MANNER THAT PROTECTS THE PREMISES, THE PERSONNEL, AND CONTENTS WITHIN THE ESTABLISHMENT FROM CONTAMINATION. THE KITCHEN CONSULTANT IS TO DESIGN WASTE PIPING SYSTEMS THAT CONFORM TO LOCAL HEALTH CODE REQUIREMENTS. PARTICULAR ATTENTION NEEDS TO BE GIVEN TO ANY LOCAL REQUIREMENTS PREVENTING WASTE PIPING (EXPOSED OR CONCEALED) FROM BEING ROUTED OVERHEAD IN AREAS USED FOR FOOD STORAGE, PREPARATION, SERVICE, WAREWASHING, AND TRANSPORTATION.
3. GENERAL PURPOSE AREA DRAINS SHALL BE LOCATED AND SPECIFIED BY THE KITCHEN CONSULTANT. THIS IS OF PARTICULAR IMPORTANCE WHEN LOCAL CODES REQUIRE THAT DRAINS ACCEPT INDIRECT WASTE BE SET ABOVE THE FINISHED FLOOR.

REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL PLUMBING WORK UNDER THIS CONTRACT

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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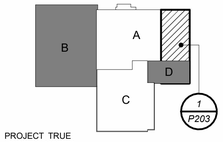

PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
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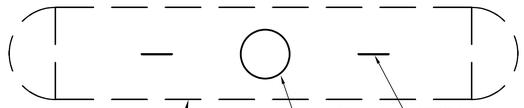
Sheet Title

PART GROUND FLOOR PLAN

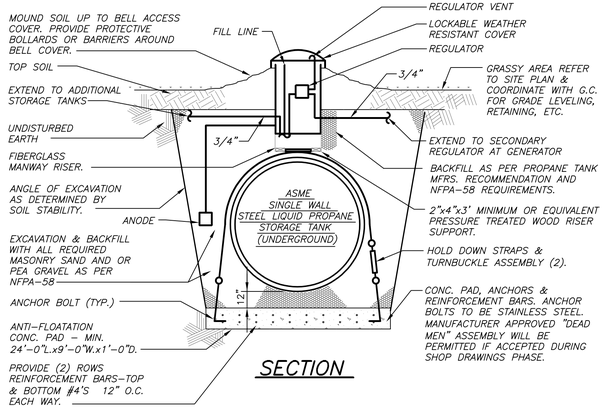
Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: Author

Sheet Number

P203



PLAN



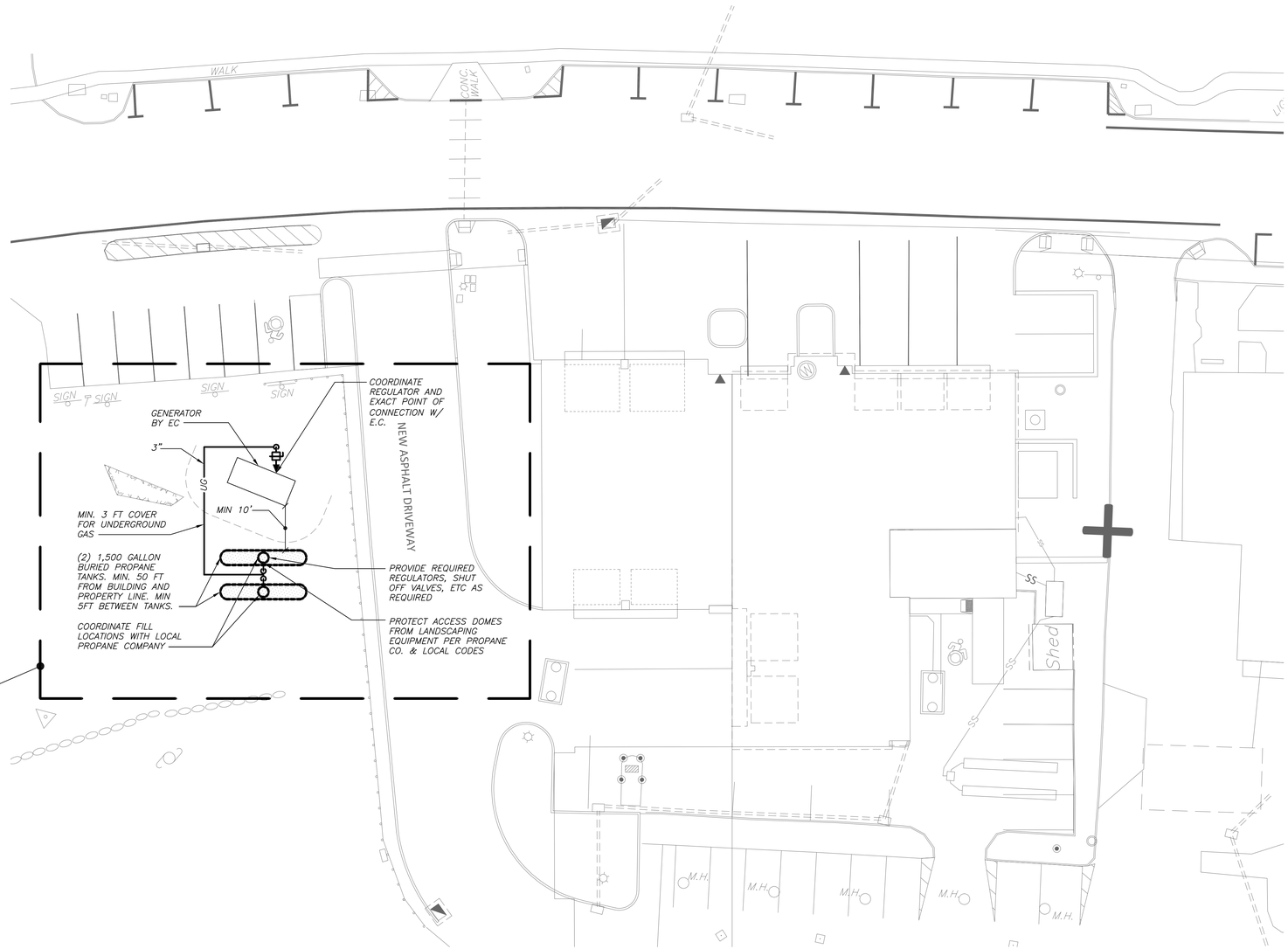
SECTION

NOTE:
1. PROVIDE CATHODIC ANODE PROTECTION PER MANUFACTURER'S AND UTILITY COMPANY RECOMMENDATIONS.
2. NO PART OF THE UNDERGROUND CONTAINERS SHALL BE LESS THAN 10 LINEAR FEET FROM ANY BUILDING OR PROPERTY LINE AND MINIMUM OF 3 LINEAR FEET BETWEEN EACH CONTAINERS.
3. RELIEF VALVES, FILLING CONNECTIONS AND FIXED MAXIMUM LEVEL GAUGE VENT CONNECTIONS AT EACH CONTAINER MUST BE A MINIMUM OF 10 LINEAR FEET FROM ANY SOURCE OF IGNITION, VENTILATION OPENINGS AND MECHANICAL INTAKE OPENINGS.
4. ASME UNDERGROUND CONTAINERS AND PIPING MUST BE COATED AND PROTECTED AGAINST CORROSION. PIPING SHALL BE PVC SLEEVED OR WRAPPED WITH PROTECTIVE TAPE TO AVOID CORROSION. INSTALL THE CONTAINERS AND THE REST OF THE SYSTEM IN ACCORDANCE WITH ACCEPTED STANDARDS (NFPA 58) AND AUTHORITY HAVING JURISDICTION.

BURIED PROPANE TANK DETAIL

2 / P204 — NO SCALE

BURIED PROPANE TANK AND ASSOCIATED PIPING AND OTHER APPURTENANCES NOT IN SCOPE, BY OWNER



SITE PLAN (NEW WORK) — 1 / P204 — 0, 16', 32' — 1/16 inch=1 foot

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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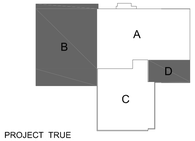

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KEY PLAN

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Sheet Title

SITE PLAN

Job No.	Date
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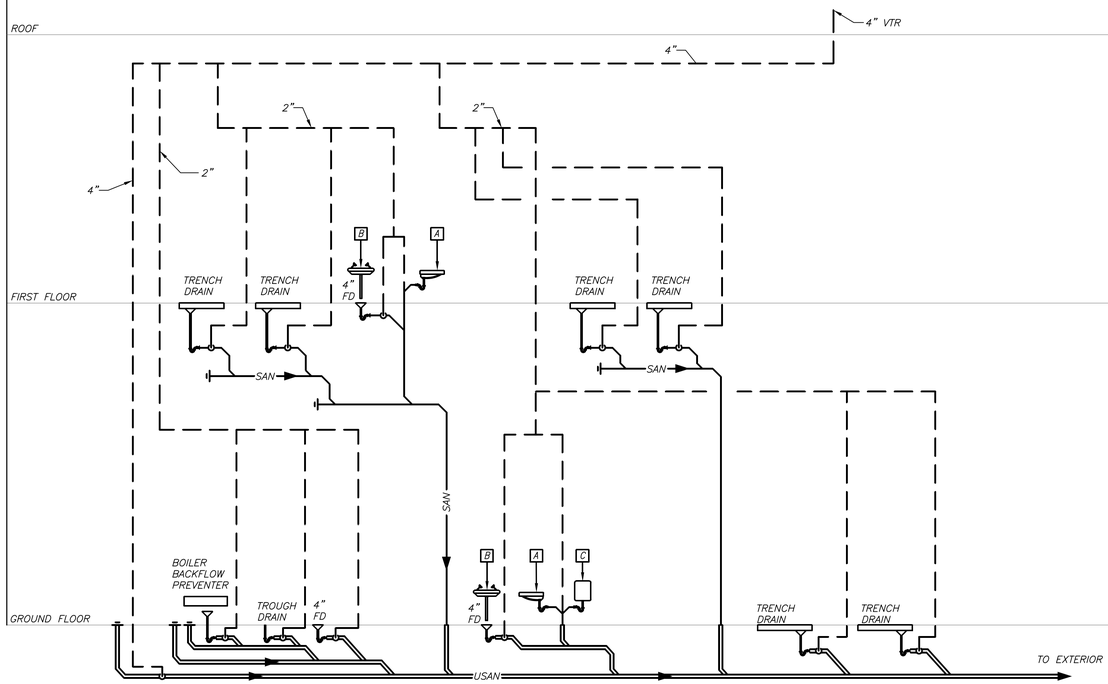
Sheet Number

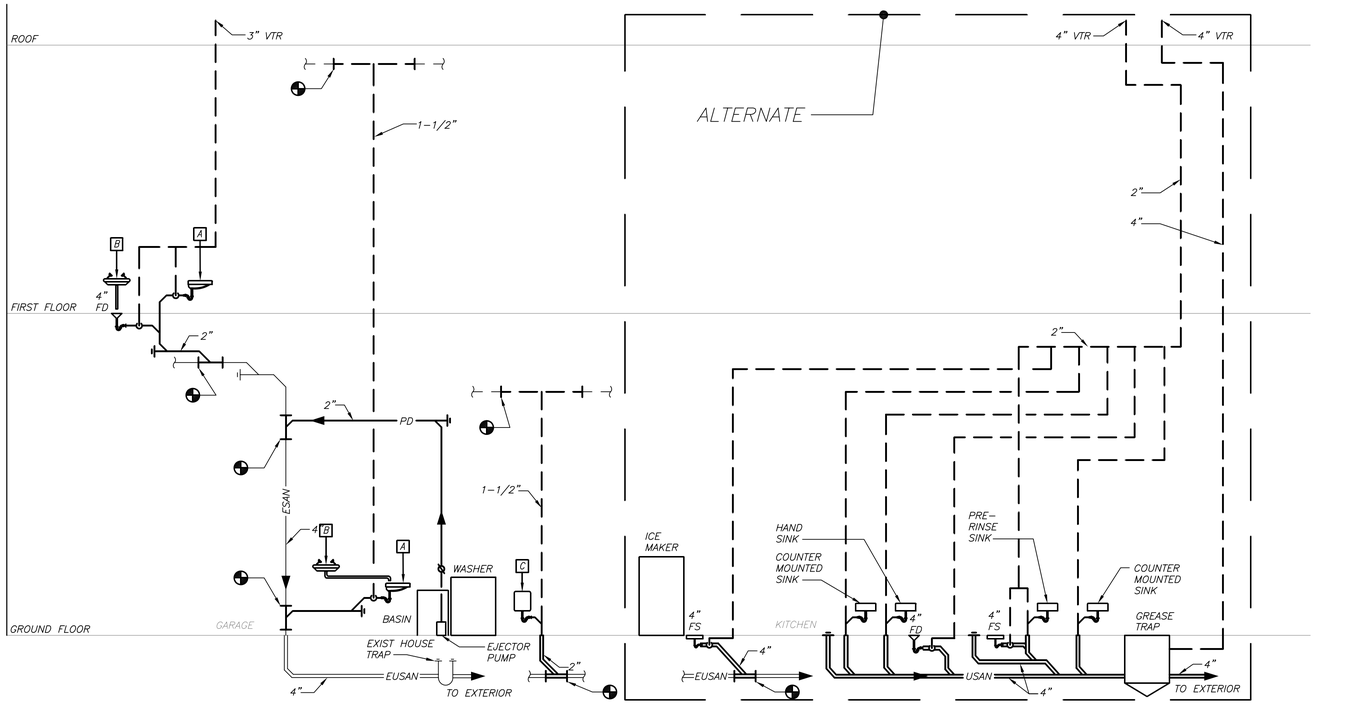
P204



BAY ADDITION SCHEMATIC SANITARY RISER DIAGRAM (NEW WORK)

1 / P301

NO SCALE



EXISTING BUILDING AND OFFICE ADDITION ALTERNATE SCHEMATIC SANITARY RISER DIAGRAM (NEW WORK)

2 / P301

NO SCALE

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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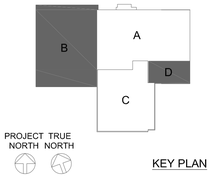

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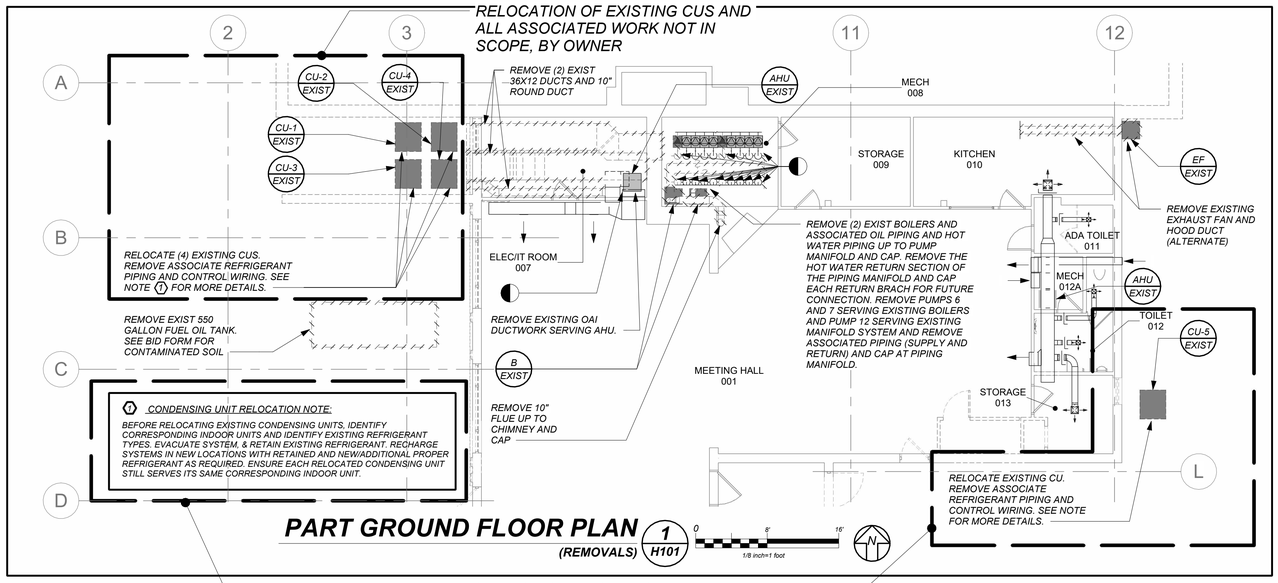
Sheet Title

SCHEMATIC SANITARY RISER DIAGRAMS

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: BGA / BGA

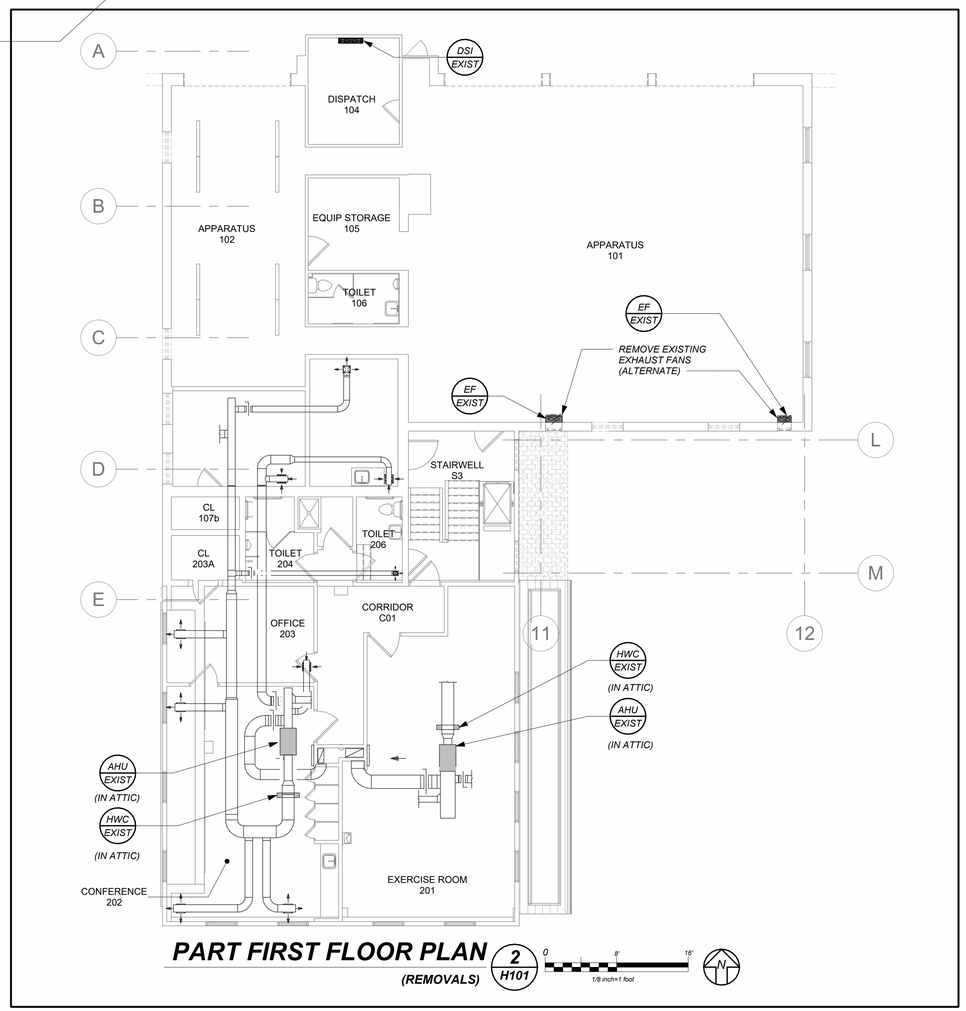
Sheet Number

P301



PART GROUND FLOOR PLAN (REMOVALS) 1 H101

RELOCATION OF EXIST CUS AND ALL ASSOCIATED WORK NOT IN SCOPE, BY OWNER



PART FIRST FLOOR PLAN (REMOVALS) 2 H101

REMOVAL NOTES:

1. THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
2. DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT. UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
3. EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
4. ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
5. EXISTING STEAM AND CONDENSATE RETURN DISTRIBUTION MAINS, BRANCH PIPING AND ALL ASSOCIATED SUPPORTS SERVING ALL HVAC SYSTEMS SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL STEAM PIPING NOT SHOWN ON REMOVAL DRAWINGS. PIPING THAT CAN NOT BE REMOVED DUE TO UNFORESEEN CIRCUMSTANCES AND EXISTING CONDITIONS SHALL BE SUBMITTED TO OWNER ARCHITECT FOR APPROVAL TO BE ABANDONED WITH ENDS CAPPED AND SEALED.
6. REMOVE EXISTING STEAM HEAT-PIPE, RADIATORS, CABINET HEATERS, CONVECTORS, UNIT VENTILATORS WITH ASSOCIATED LOUVERS, FIN TUBE ENCLOSURES, SUPPORTS AND CONNECTING PIPING. PATCH AND SEAL ASSOCIATED WALLS, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING CONSTRUCTION.
7. REMOVE EXISTING AIR HANDLERS, STEAM COILS, ASSOCIATED DISTRIBUTION DUCTWORK, LOUVERS, CONNECTING PIPING, CONTROLS AND SUPPORTS. COORDINATE LOCATIONS FOR GC TO PATCH AND SEAL ASSOCIATED WALLS, FLOOR, CEILINGS AND ROOF OPENINGS TO MATCH EXISTING CONSTRUCTION.

HVAC LEGEND

	POINT OF CHANGE IN DUCT SIZE NEW DUCTWORK 1" THERMAL ACOUSTIC LINING-DUCT SIZES ON PLANS ARE CLEAR INSIDE DIMENSIONS
	FLEXIBLE CONNECTION NEW DUCTWORK POINT OF CHANGE IN DUCT SIZE
	SQUARE DUCT TURN WITH TURNING VANES
	TYPE -SEE SCHEDULE NEW 4-WAY CEILING DIFFUSER CFM
	TYPE -SEE SCHEDULE NEW 3-WAY CEILING DIFFUSER CFM
	TYPE -SEE SCHEDULE CEILING EXHAUST/RETURN REGISTER CFM
	TYPE-SEE SCHEDULE REGISTER/DIFFUSER IDENTIFICATION CFM
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/ LOCKING DEVICE)
	MOTORIZED AIR VOLUME DAMPER (W/ ACCESS DOOR)
	FSD & AD FIRE / SMOKE DAMPER (U.L. APPROVED) & ACCESS DOOR
HWS	HOT WATER HEATING SUPPLY PIPING
HWR / HWRR	HOT WATER RETURN / HOT WATER REVERSE RETURN PIPING
L	LIQUID REFRIGERANT PIPING
S	SUCTION REFRIGERANT PIPING
CD	CONDENSATE DRAIN PIPING
DS	DIESEL DUEL SUCTION PIPING
TS	TANK SENSOR CABLE
CC	COMMUNICATION CABLE
EC	ELECTRICAL POWER (SEE ELECT. DWGS)
HD/ES	HEAT DETECTOR / EMERGENCY STOP
ROH	REMOTE OVERFILL HORN
FOS	FUEL OIL SUPPLY PIPING
FOR	FUEL OIL RETURN PIPING
FOG	FUEL OIL GAUGE PIPING
FOF	FUEL OIL FILL PIPING
FOV	FUEL OIL VENT PIPING
	FLOW DIRECTION WITHIN PIPE
	GATE VALVE (HORIZONTAL / VERTICAL)
	COMBINATION BALANCING & SHUT-OFF VALVE (CIRCUIT SETTER)
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
ERU	ENERGY RECOVERY UNIT IDENTIFICATION
CH	CABINET HEATER IDENTIFICATION
UH	UNIT HEATER IDENTIFICATION
B	BOILER IDENTIFICATION
MA	MAKEUP AIR UNIT IDENTIFICATION
FC	VRF INDOOR FAN COIL UNIT IDENTIFICATION
DWH	DOMESTIC HOT WATER HEATER IDENTIFICATION
FOT	FUEL OIL TANK IDENTIFICATION
FOP	FUEL OIL PUMP SET IDENTIFICATION
EF	EXHAUST FAN IDENTIFICATION
CU	HEAT PUMP OUTDOOR UNIT IDENTIFICATION
DSI	DUCTLESS SPLIT INDOOR UNIT IDENTIFICATION
DSO	DUCTLESS SPLIT OUTDOOR UNIT IDENTIFICATION
HWP	HOT WATER PUMP IDENTIFICATION
GIA	GRAVITY INTAKE VENT IDENTIFICATION
AHU EXIST	EXISTING AIR HANDLING UNIT IDENTIFICATION
B EXIST	EXISTING BOILER IDENTIFICATION
HWP EXIST	EXISTING HOT WATER PUMP IDENTIFICATION
CU EXIST	EXISTING CONDENSING UNIT IDENTIFICATION
HWC EXIST	EXISTING HOT WATER COIL UNIT IDENTIFICATION
EF EXIST	EXISTING EXHAUST FAN IDENTIFICATION
	TYPE NEW FIN TUBE RADIATION IDENTIFICATION ELEMENT LENGTH
T1	T1 CONTROLLED ITEM WALL MTD.(5'-2"±.A.F.F-U.O.N.) TEMPERATURE SENSOR
T1	EXISTING WALL MTD. TEMPERATURE SENSOR
	DOOR UNDERCUT
CFM	CUBIC FEET PER MINUTE
PFRE	PRE-FINISHED RISER ENCLOSURE
OAI/FAI	OUTSIDE (FRESH) AIR INTAKE
HVAC	HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR
FC	FLEXIBLE CONNECTION
FSC	FULL SIZE CONNECTION
FSD/AD	FIRE/SMOKE DAMPER / ACCESS DOOR
MD	MOTORIZED DAMPER
WMG	WIRE MESH GRILLE
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER DRAWING NUMBER SECTION/ELEVATION IDENTIFICATION

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

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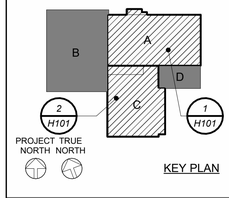


KEY PLAN

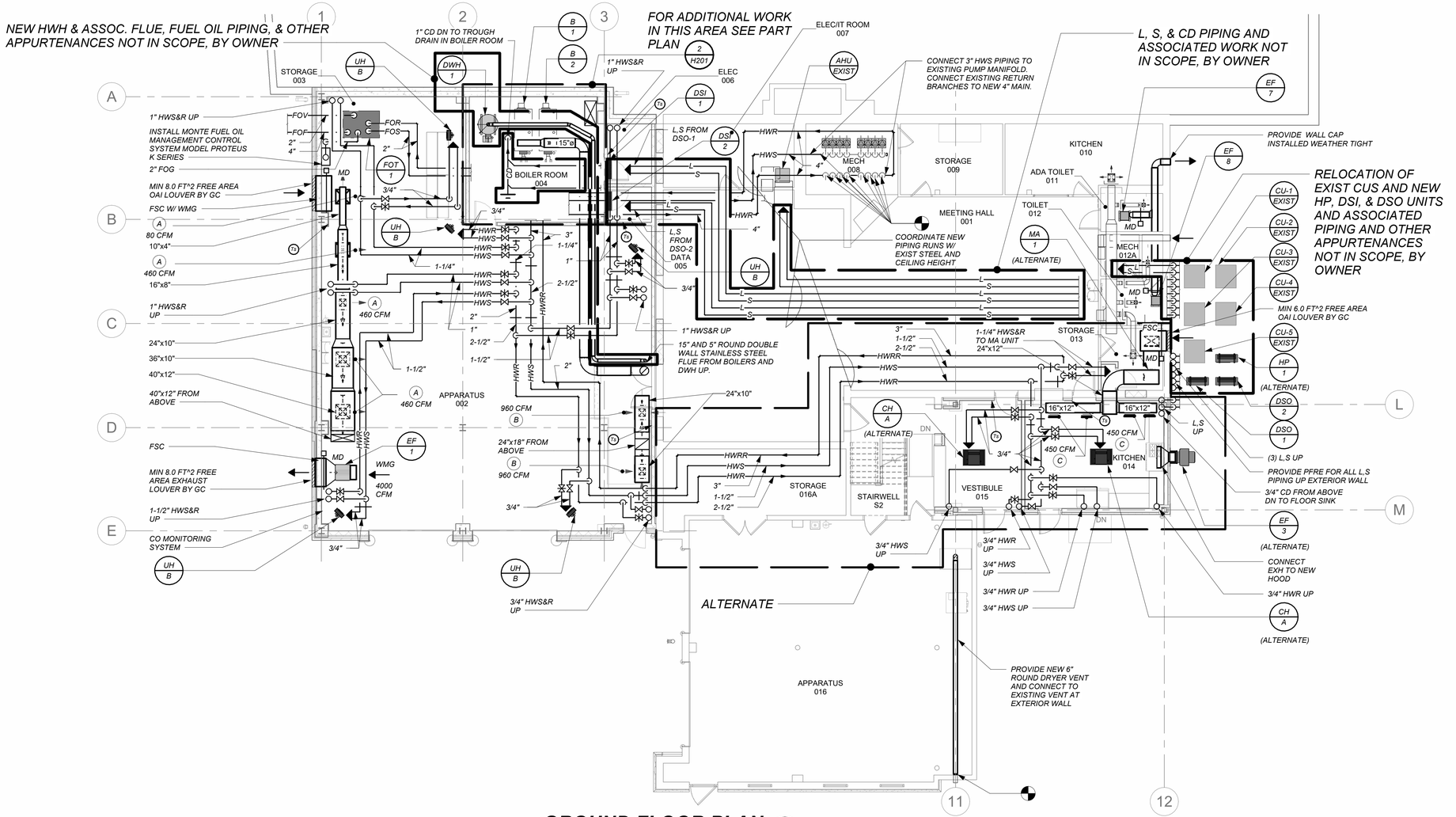
Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title
LEGEND, NOTES, & PART GROUND & FIRST FLOOR PLANS

Job No.	Date
2330.00	03/19/24
Scale	Drawn / Checked
AS NOTED	Author

Sheet Number
H101



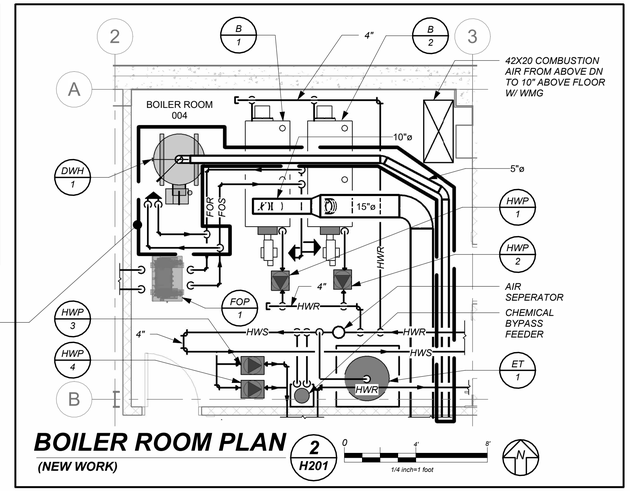
BOILER FILING REQUIREMENTS:

A. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A LICENSED ENGINEER TO FILE ALL APPLICATIONS, PERMITS AND FILING FEES WITH THE AUTHORITIES HAVING JURISDICTION OVER THE WORK.

B. THE FOLLOWING LIST SERVES AS THE MINIMUM FILING REQUIREMENTS, FAILURE TO LIST ANY ITEM DOES NOT RELIEVE THE CONTRACTOR FROM FULFILLING THAT REQUIREMENT.

1. *CERTIFICATE OF RESOLUTION AND LETTER OF AUTHORIZATION FROM OWNER/USER TO AUTHORIZE LICENSED PROFESSIONAL TO EXECUTE FILING.*
2. *PREPARE AND SUBMIT (2) ORIGINAL FORM DOH-A, FORM DOH-B2, AND ENVIRONMENTAL ASSESSMENT FORM WITH PLANS. PROFESSIONAL ENGINEER'S REPORT, AND SPECIFICATIONS WITH ENGINEER'S SEAL.*
3. *FILING FEES, PER DEVICE.*
4. *ALL BOILERS MUST CONFORM TO THE REQUIREMENTS OF PART 227 OF NYCRR*
5. *INCLUDE AND FILE ALL OTHER OIL FIRED EQUIPMENT AS REQUIRED.*

NEW HWH & ASSOC. FLUE, FUEL OIL PIPING, & OTHER APPURTENANCES NOT IN SCOPE, BY OWNER



FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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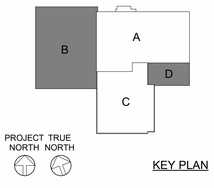

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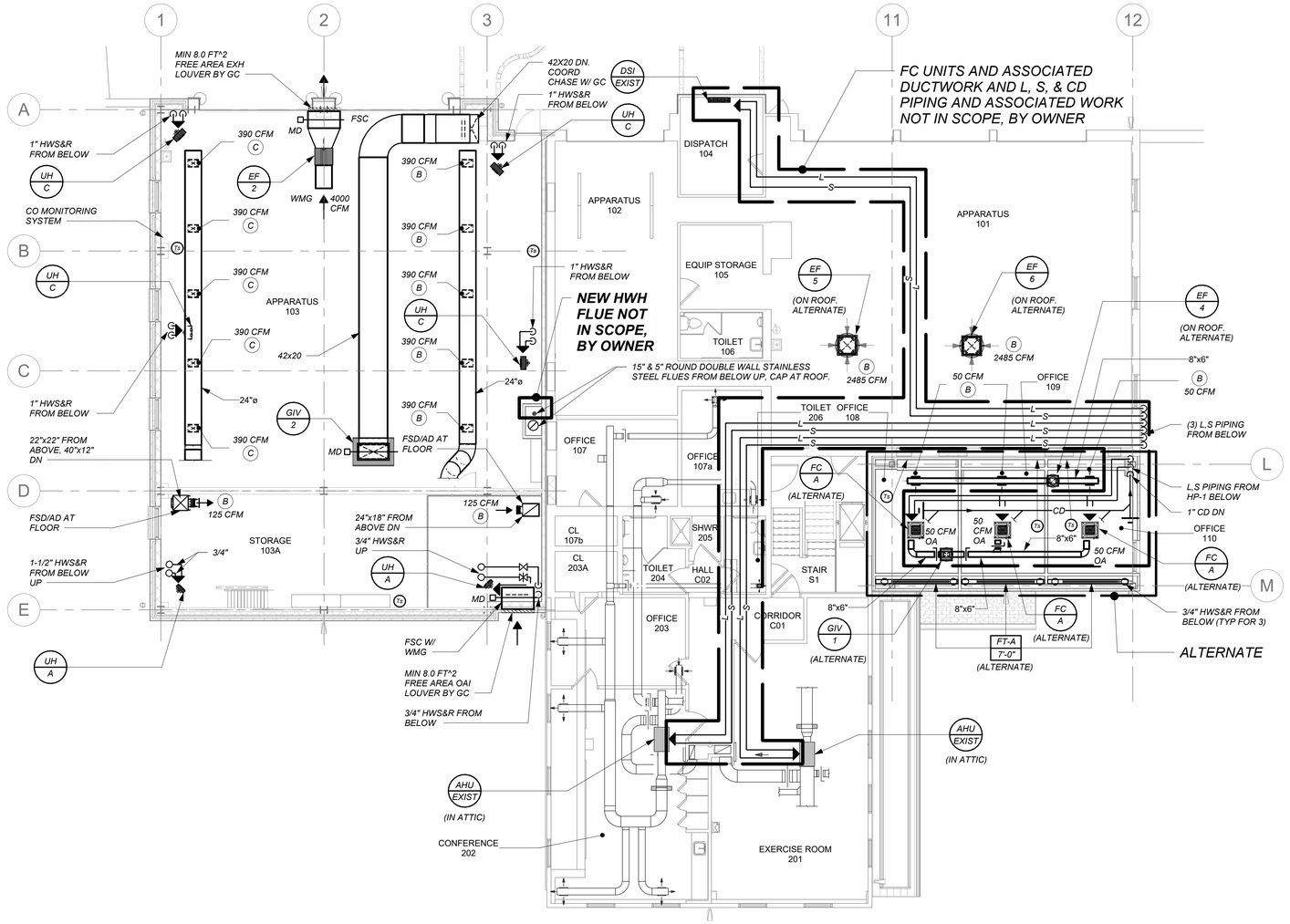
Sheet Title

GROUND FLOOR PLAN

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: BGA / BGA

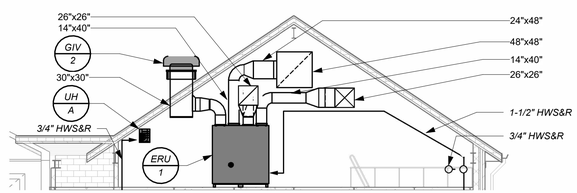
Sheet Number

H201



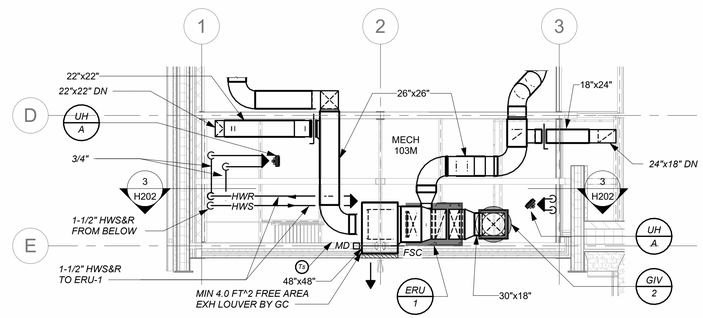
FIRST FLOOR PLAN (NEW WORK)

1 / H202 — 0, 8', 16' — 1/8 inch=1 foot



MEZZANINIE FLOOR PLAN (NEW WORK)

3 / H202 — 0, 8', 16' — 1/8 inch=1 foot



MEZZANINE FLOOR PLAN (NEW WORK)

2 / H202 — 0, 8', 16' — 1/8 inch=1 foot

FIREHOUSE
ADDITIONS & ALTERATIONS

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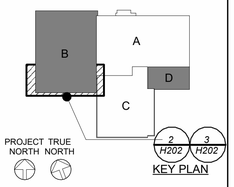

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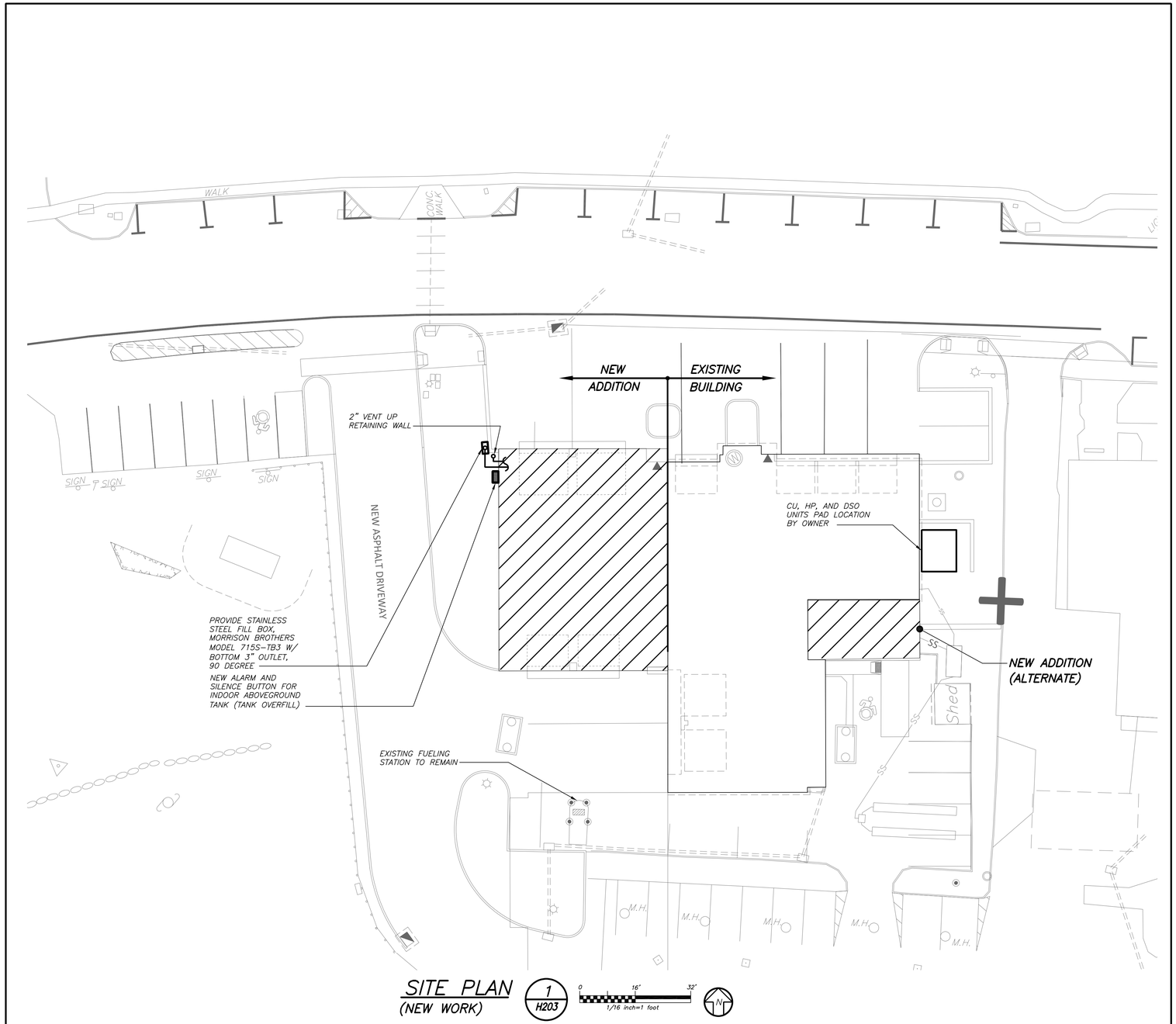
Sheet Title

FIRST FLOOR AND MEZZANINE PLANS

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: Author

Sheet Number

H202



SITE PLAN (NEW WORK) 1 H203

0 16' 32'

1/16 inch=1 foot

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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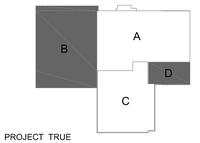

PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

No.	Date	Issue
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Sheet Title

SITE PLAN

Job No.	Date
2330.00	03/19/24
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Sheet Number

H203

SCHEDULE OF ENERGY RECOVERY UNITS

GENERAL DATA				SUPPLY FAN DATA		EXH. FAN DATA		ELECTRICAL DATA			HEAT EXCHANGER		HW PREHEATER DATA (3)				HW POSTHEATER DATA (3)				FILTER	PHYSICAL DATA	REMARKS
MARK	SERVICE	LOCATION	MODEL No. (1)	CFM	E.S.P. IN WG	CFM	E.S.P. IN WG	MCA	MOP	ELECTRICAL SERVICE	MODEL	THERMAL EFFICIENCY (%)	CAPACITY TOTAL MBH	E.A.T. °F	L.A.T. °F	GPM	CAPACITY TOTAL MBH	E.A.T. °F	L.A.T. °F	GPM	TYPE	LxWxH(in.)/WEIGHT(lbs)	
ERU 1	ADDITION	MECH 102M	TR4000HW 208-3-CAV	4000	1.25	4000	1.25	20.3	25	208/3/60	HEAT WHEEL	75	92.8	26	47	9.3	101.3	47	70	10.1	2" MERV 13	76x58x82/1650	REFER TO (2)(4)(5)

NOTES
1. AS MANUFACTURED BY "SYSTEMAIR".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. BASED ON ENTERING/LEAVING WATER TEMPERATURES HW 180/160°.
4. PROVIDE 100% OA ERU WITH MERV 13 FILTERS, INTEGRAL HOT WATER COILS, VIBRATION ISOLATORS, ECM MOTORS, 100% ECONOMIZER, DRY CONTACTS FOR DIRTY FILTER INDICATOR, FROST CONTROL, PHASE PROTECTION, AND MOTORIZED DAMPERS FOR OA, EA & ECONOMIZER FUNCTION.
5. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

SCHEDULE OF CABINET HEATERS

MARK	TYPE UNIT	MODEL Nº (1)	CAPACITY DATA				MOTOR HP	MOTOR RPM	ELECTRIC SERVICE	REMARKS
			MBH	CFM	GPM	PD.FT.				
CH A	CEILING MTD.	RC 1200 03	22.7	335	2.0	0.25	1/15	1050	120/1/60	REFER TO (2)(3)(4)(5)(6)

NOTES
1. AS MANUFACTURED BY "STERLING".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. CAPACITIES BASED ON HIGH SPEED FAN SETTING, AND 200 °F E.W.T.
4. PROVIDE 2 ROW COIL, THROWAWAY FILTERS, INTEGRAL SPEED CONTROL, DISCONNECT SWITCH, REMOTE WALL SENSOR, GASKET AND PERMA LAP FRAME. COORDINATE FINISH AND COLOR PER ARCHITECT.
5. UNIT DIMENSIONS 36"x25"x9.5", WEIGHT 150 LBS.
6. PROVIDE WITH HOT WATER RETURN AQUASTAT. AQUASTAT SHALL NOT ALLOW FAN TO OPERATE AT WATER TEMPERATURE BELOW 98 DEGREES F.

SCHEDULE OF HOT WATER UNIT HEATERS

MARK	MODEL No. (1)	CAPACITY DATA		MOTOR HP	MCA	ELECTRIC SERVICE	PHYSICAL DATA		MTG.	REMARKS
		BTU/HR	AMP				LxWxH (IN)	WEIGHT (LBS)		
UH A	HS-024B	17,400	0.8	16W	1.0	115/1/60	15X10X18	30	CEILING	REFER TO (2)(3)(4)
UH B	HS-048B	34,800	1.4	1/20	1.8	115/1/60	18X12X21	45	CEILING	REFER TO (2)(3)(4)
UH	HS-096B	69,700	2.2	1/12	2.8	115/1/60	20X14X24	50	CEILING	REFER TO (2)(3)(4)

NOTES
1. AS MANUFACTURED BY "STERLING".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE UNIT MOUNTED VARIABLE SPEED CONTROLLER AND MOUNTING HARDWARE.
4. PROVIDE ALL REQUIRED POWER RELAYS.

SCHEDULE OF DEDICATED DUCTLESS SPLIT SYSTEMS

NOT IN SCOPE, BY OWNER

GENERAL DATA			OUTDOOR UNIT										INDOOR UNIT								REMARKS
			CAPACITY		PHYSICAL DATA					ELECTRICAL DATA			GENERAL DATA			PHYSICAL DATA					
MARK	SERVICE	MODEL No. (1)	COOLING (MBH)	HEATING (MBH)	LOCATION	L	D	H	UNIT WEIGHT (POUNDS)	SERVICE	MCA	MOCP	MARK	MAX CFM	MOUNTING LOCATION	LOCATION	L	D	H	UNIT WEIGHT (POUNDS)	
DSO 1	ELEC ROOM	LS363HLV3	33.0	35.2	GRADE	38	13	33	165	208/1/60	23	30	DSI 1	1,166	HIGH WALL	ELEC ROOM	48	11	15	50	REFER TO (2)(3)(4)(5)
DSO 2	DATA ROOM	LS363HLV3	33.0	35.2	GRADE	38	13	33	165	208/1/60	23	30	DSI 2	1,166	HIGH WALL	DATA ROOM	48	11	15	50	REFER TO (2)(3)(4)(5)

NOTES
1. AS MANUFACTURED BY "LG". (KLIMA NEW YORK 914 255-4390)
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE PROGRAMMABLE THERMOSTAT, LOW AMBIENT CONTROL, MOUNTING HARDWARE AND VIBRATION ISOLATORS.
4. REFRIGERANT R410-A.
5. INDOOR UNIT POWERED BY OUTDOOR UNIT.

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

		A	B	C	D	E	F	G	H	I	
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A×B)÷1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F×C)+(A×D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G÷H=CFM	MINIMUM EXHAUST AIR FLOW RATE A×E=CFM
Office 1 / 108	OFFICE SPACE	175	5	5	0.06	0	1	16	0.8	19	0
Office 2 / 109	OFFICE SPACE	175	5	5	0.06	0	1	16	0.8	19	0
Office 3 / 110	OFFICE SPACE	175	5	5	0.06	0	1	16	0.8	19	0
Kitchen / 014	KITCHEN (COOKING)	300	20	7.5	0.12	0.7	6	81	0.8	101	210
Apparatus Bays / 002	PARKING GARAGES	2005	0	0	0	0.9	0	0	0.8	0	1805
Storage / 003	OCCUPIABLE STORAGE ROOMS FOR LIQUID OR GELS	370	2	5	0.12	0	1	49	0.8	62	0
Apparatus Bays / 103	PARKING GARAGES	2130	0	0	0	0.9	0	0	0.8	0	1917
Storage / 103A	OCCUPIABLE STORAGE ROOMS FOR LIQUID OR GELS	675	2	5	0.12	0	2	91	0.8	114	0

SCHEDULE OF OUTDOOR AIR SOURCE HEAT PUMPS

GENERAL DATA				CAPACITY		PHYSICAL DATA		ELECTRICAL INFORMATION			EER	SEER	REMARKS
MARK	SERVICE	LOCATION	MODEL No. (1)	COOLING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	DxWxH (IN)	WEIGHT (LBS)	V/PH/HZ	MCA	MOCP			
HP 1	OFFICES	GRADE	MULTI V S ARUN048GSS4	48,000	54,000	38x13x55	225	208/1/60	30	50	13.2	20	REFER TO (2)(3)(4)(5)(6)(7)

NOTES
1. AS MANUFACTURED BY "LG.".
2. BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.
3. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.
5. PROVIDE PROGRAMMABLE THERMOSTAT, LOW AMBIENT CONTROL, HARD START, AND CRANKCASE HEATER.
6. INSTALL ON CONCRETE PAD FURNISHED BY OTHERS.
7. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

SCHEDULE OF VRF HEAT RECOVERY INDOOR UNITS

NOT IN SCOPE, BY OWNER

INDOOR AIR HANDLER INFORMATION											
GENERAL DATA			SUPPLY FAN DATA			COOLING COIL DATA (3)			HEATING		REMARKS
MARK	LOCATION	MODEL No. (1)	HIGH CFM	MOTOR (AMPS)	ELECTRIC SERVICE	TOTAL CAP. BTU/HR	SENSIBLE CAP. BTU/HR	ENT. AIR TEMP DB/WB	TOTAL CAP. BTU/HR	ENT. AIR TEMP	
EC A	CEILING	ARNU153TQD4	530	2.09	208/1/60	15,400	11,400	80 / 67	17,100	70	REFER TO (2)(3)(4)(5)

NOTES
1. AS MANUFACTURED BY "LG."
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.
4. PROVIDE MOUNTING HARDWARE AND VIBRATION ISOLATORS
5. PROVIDE FACTORY MOUNTED INTEGRAL CONDENSATE PUMP, CHECK VALVE, ANTI SWEAT SLEEVE AND AUTO SHUTDOWN OVERFLOW SWITCH.

FIREHOUSE
ADDITIONS & ALTERATIONS

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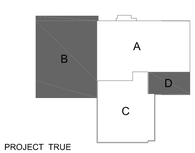

PROJECT TRUE NORTH NORTH

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SCHEDULES

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: BGA / BGA

Sheet Number

H301

SCHEDULE OF HOT WATER PUMPS

MARK	SERVICE	LOCATION	MODEL Nº	GPM	HEAD FT.H_2O	RPM	MOTOR HP	ELECTRIC SERVICE	REMARKS
HWP 1	BOILER No.1	BOILER ROOM	E90-2AAB	110	20	1800	1.0	208/3/60	REFER TO 1 2 3
HWP 2	BOILER No.2	BOILER ROOM	E90-2AAB	110	20	1800	1.0	208/3/60	REFER TO 1 2 3
HWP 3	ADDITION	BOILER ROOM	E90-2AB	87	27	1800	1.5	208/3/60	REFER TO 1 2 3
HWP 4	ADDITION	BOILER ROOM	E90-2AB	87	27	1800	1.5	208/3/60	REFER TO 1 2 3

NOTES
1. AS MANUFACTURED BY "BELL & GOSSETT".
2. INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE VFD.

SCHEDULE OF REGISTERS AND DIFFUSERS

MARK	TYPE	SERVICE	MODEL No. 1	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	TYPE	REMARKS
A	CEILING DIFFUSER	SUPPLY	SMD	3-WAY	OPPOSED BLADE	PER ARCH.	LAY IN	REFER TO 2 3 4 6
B	LOUVERED GRILLE	RETURN/ EXHAUST	635	–			LAY IN/ SURFACE	REFER TO 2 3 4 7
C	SIDEWALL REGISTER	SUPPLY	625	4-WAY			SURFACE	REFER TO 2 3 4 6

NOTES
1. AS MANUFACTURED BY "PRICE".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE CABLE OPERATED DAMPERS IN INACCESSIBLE AREAS.
4. PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT.

6 SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm)							7 RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)							
50 TO 99	100 TO 299	300 TO 499	500 TO 799	800 TO 1199	1200 TO 1499	1500 TO 1999	50 TO 149	150 TO 249	250 TO 399	400 TO 599	600 TO 799	800 TO 1099	1100 TO 1199	1200 TO 2399
6x6	9x9	12x12	15x15	18x18	21X21	24X24	6x6	8X8	10X10	12X12	14X14	16X16	18X18	24X24

SCHEDULE OF FUEL OIL PUMPS

MARK	SERVICE	LOCATION	MODEL Nº 2	GPH	MOTOR HP	ELECTRIC SERVICE	REMARKS
FOP 1	BOILERS B 1 B 2	BOILER RM.	SKS25-AB-D	51	(2)1/3	120/1/60	REFER TO 2 3

NOTES
1. AS MANUFACTURED BY "PREFERRED UITILITES".
2. INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.
3. FUEL OIL PUMPS MUST BE COORDINATED WITH ELECTRICAL POWER AND BOILER CAPACITIES PRIOR TO PURCHASE. PROVIDE DUPLEX PUMP WITH DUPLEX STRAINER WITH DIFFERENTIAL PRESSURE SWITCH, AND FLOW SWITCH WITH LOSS OF FLOW ALARM.
DIMENSIONS 55"Lx24"Wx65"H

SCHEDULE OF BOILERS

BOILER DATA			BURNER DATA			ELECTRICAL		PHYSICAL DATA		
MARK	LOCATION	MODEL Nº 1	INPUT (GPH)	OUTPUT (MBH)	FUEL	SERVICE	HP	(IN)	WEIGHT (LBS)	REMARKS
B 1 B 2	BOILER ROOM	80 SERIES 1180	10.6	1229	NO. 2 OIL	208/1/60	3/4	116Lx30Wx58H	3750	REFER TO 2 3 4 5

NOTES
1. AS MANUFACTURED BY "WEIL-MCLAIN".
2. PROVIDE ASSOCIATED POWEFLAME OIL BURNER.
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. BOILER INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF INSURANCE UNDERWRITER, NFPA AND ALL AUTHORITIES HAVING JURISDICTION. BOILERS SHALL BE FULLY FIELD COMMISSIONED BY AUTHORIZED TECHNICIAN FOR THE TYPE OF OIL FIRED.
5. HOT WATER BASED ON 160°F E.W.T., 180°F L.W.T.

SCHEDULE OF EXHAUST FANS

MARK	SERVICE	LOCATION	MODEL No. 1	TYPE	CFM	EXT. S.P. IN H_2O	RPM	HP (WATTS)	ELECTRIC V/PH/HZ	SIZE (IN)	WEIGHT (LBS.)	REMARKS
EF 1	BAY 9/10 CO DETECTOR	CEILING	SQ-20-M2-VG	IN-LINE CENTRIFUGAL	4000	0.35	752	2	208/1/60	29Lx32Wx32H	175	REFER TO 2 3 6
EF 2	BAY 1/2 CO DETECTOR	CEILING	SQ-20-M2-VG	IN-LINE CENTRIFUGAL	4000	0.35	752	2	208/1/60	29Lx32Wx32H	175	REFER TO 2 3 6
EF 3	KITCHEN EXHAUST	SIDEWALL EXTERIOR	CUE-160-VG	SIDEWALL	1764	0.35	807	1/2	120/1/60	30"øx32W	75	REFER TO 2 3 6
EF 4	OFFICE ADDITION	ROOF	G-070-VG	ROOF CENTRIFUGAL	150	0.35	1454	1/15	120/1/60	19"øx24H	25	REFER TO 2 4 6
EF 5	EXIST BAY 4/5/6	ROOF	G-180-VG	ROOF CENTRIFUGAL	2485	0.35	772	3/4	120/1/60	36"øx40H	100	REFER TO 2 5 6
EF 6	EXIST BAY 4/5/6	ROOF	G-180-VG	ROOF CENTRIFUGAL	2485	0.35	772	3/4	120/1/60	36"øx40H	100	REFER TO 2 5 6
EF 7	EXIST TOILET 005A	CEILING	SP-A200	CEILING CABINET	200	0.35	900	(53)	120/1/60	14Lx12Wx11H	25	REFER TO 2 3 6
EF 8	EXIST ADA TOILET 006	CEILING	SP-A200	CEILING CABINET	200	0.35	900	(53)	120/1/60	14Lx12Wx11H	25	REFER TO 2 3 6

NOTES
1. AS MANUFACTURED BY "GREENHECK".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE VIBRATION ISOLATORS, BACKDRAFT DAMPER, SPEED CONTROL, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE
4. PROVIDE ROOF CURB, WEATHERPROOF FACTORY MOUNTED DISCONNECT SWITCH, INTERNALLY MOUNTED VARIABLE SPEED CONTROLLER, MOTORIZED DAMPER, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE
5. PROVIDE ROOF CURB, WEATHERPROOF FACTORY MOUNTED DISCONNECT SWITCH, TWO SPEED CONTROL, MOTORIZED DAMPER, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE
6. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/ NUMBERING/ LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

SCHEDULE OF MAKE-UP AIR UNIT

	GENERAL DATA				FILTERS	SUPPLY FAN DATA					HEATING						
MARK	SERVICE	LOCATION	MODEL No. 1	OAI CFM	SIZE & TYPE	CFM	EXT. S.P. IN H_2O	FAN RPM	MOTOR HP	ELECTRIC SERVICE	EAT °F	LAT °F	HEATING CAPACITY MBH	EWT °F	LWT °F	GPM	REMARKS
MA 1	KITCHEN	STORAGE 013	NDB16CAAAH9ADAPG2BDAAM	1700	2" MERV 8	1700	1.0	2687	1	208/1/60	10	76	142	180	160	14.2	REFER TO 2 3 4

NOTES
1. AS MANUFACTURED BY "MAGICAIRE".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. TIE INTO KITCHEN EXHAUST FAN
4. PROVIDE MOTORIZED DAMPERS, ECM FAN, FACTORY INSTALLED INTEGRAL DISCONNECT SWITCH, SINGLE POINT POWER CONNECTION, END SUPPLY CONNECTIONS, AND 2-ROW HOT WATER COIL. DIMENSIONS 58"Hx 26"Wx 24"D; WEIGHT 300 LBS.

SCHEDULE OF EXPANSION TANKS

MARK	SERVICE	LOCATION	MODEL Nº	TANK VOLUME GALS.	ACCEPTANCE VOLUME GALS.	REMARKS
ET 1	HEATING SYSTEM	BOILER ROOM	B600	158	158	REFER TO 1 2 3

NOTES
1. AS MANUFACTURED BY "BELL & GOSSETT".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. ASME RATED, VERTICAL FLOOR MOUNTING.

SCHEDULE OF GRAVITY INTAKE VENTS

MARK	SERVICE	LOCATION	MODEL No. 1	CFM	PHYSICAL DATA DIMENSION / WEIGHT	REMARKS
GIV 1	OFFICES 1,2,3	OFFICE ADDITION ROOF	GRSI-8	150	21"ø x 20"H /10 LBS	REFER TO 2
GIV 2	ERU 1	BAY ADDITION ROOF	GRSI-30	4000	48"ø x 31"H /40 LBS	REFER TO 2

NOTES
1. AS MANUFACTURED BY "GREENHECK FAN CO.".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

KG+D listen imagine build
KG+D . ARCHITECTS PC
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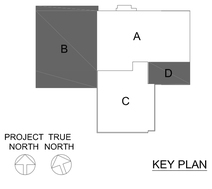
CONSULTING ENGINEERS
39 MARBLE AVE PLEASANTVILLE, NY 10570
PHONE: 914.328.6060 FAX: 914.328.5304 General@BGA-Engineers



PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

No.	Date	Issue
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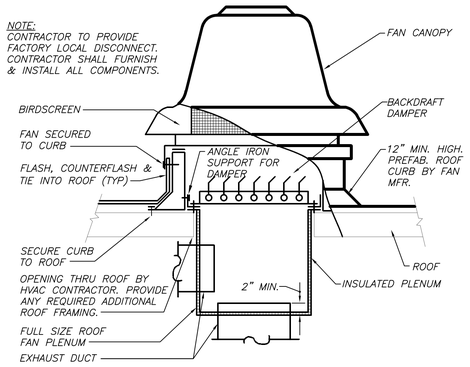
Sheet Title

SCHEDULES

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: BGA / BGA

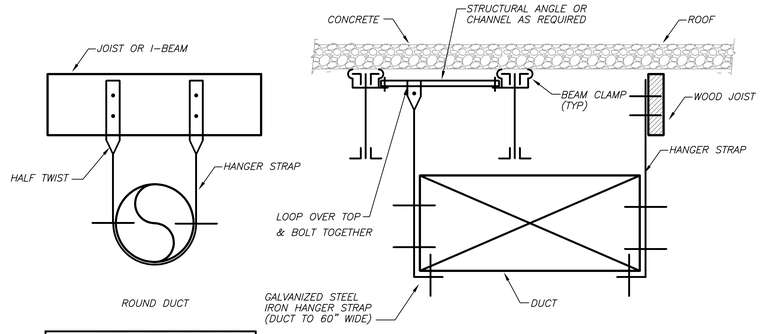
Sheet Number

H302



ROOF EXHAUST FAN DETAIL

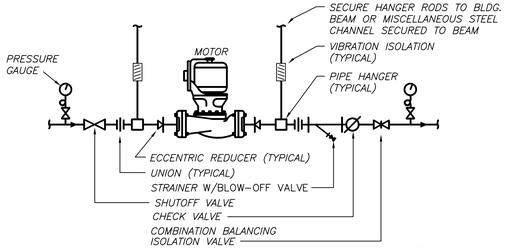
6 / H401 — NO SCALE



HANGER STRAP TABLE	
DUCT SIZE	METAL GAUGE
UPTO 2 SQFT.	20 GA. GALV.
UPTO 4 SQFT.	16 GA. GALV.
UPTO 6 SQFT	12 GA. GALV.
UPTO 8 SQFT.	1/16" GALV.
OVER 8 SQFT.	SEE SMACNA GUIDELINE

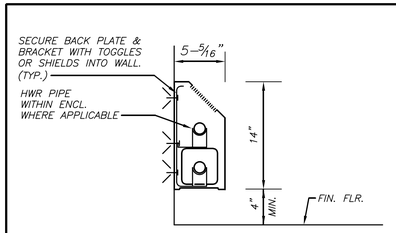
DUCT SUPPORT DETAIL

1 / H401 — NO SCALE



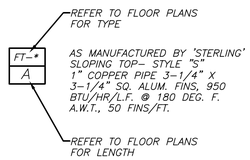
IN–LINE PUMP DETAIL

7 / H401 — NO SCALE



SECTION–TYPE A

FT–* DATA



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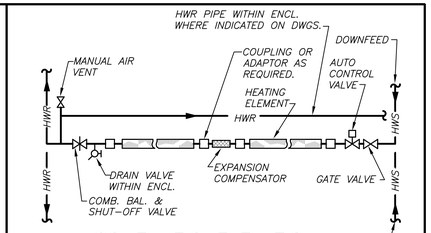
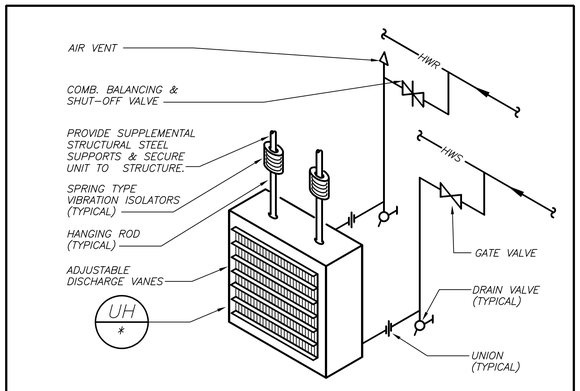


SCHEMATIC ELEVATION

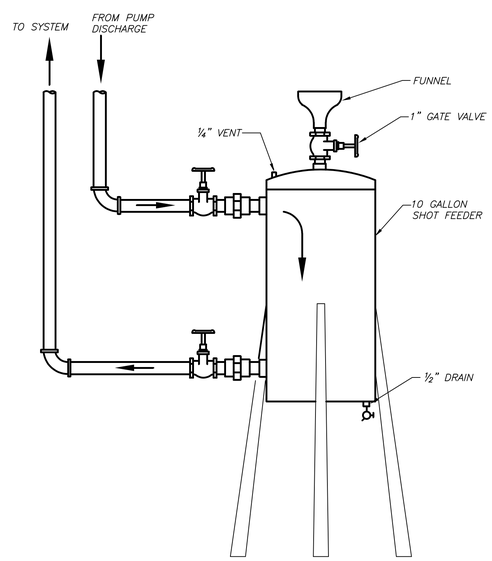
FIN TUBE RADIATION DETAIL
(HOT WATER)

2 / H401 — NO SCALE



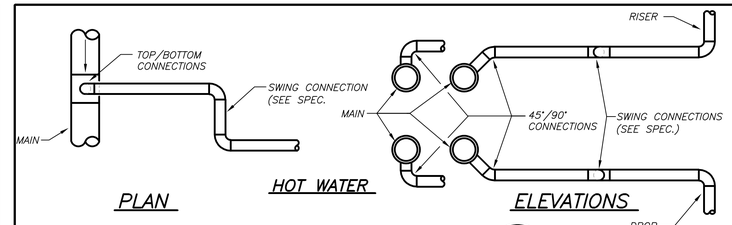
PIPING CONNECTION TO UNIT HEATER DETAIL

8 / H401 — NO SCALE



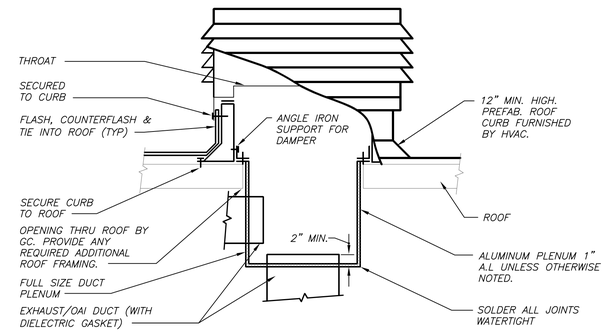
MANUAL CHEMICAL BY–PASS & FEEDER DETAIL

5 / H401 — NO SCALE



DETAIL OF PIPING BRANCH CONNECTION

3 / H401 — NO SCALE



NOTE:

1. CURBS SHALL BE FURNISHED BY HVAC & INSTALLED BY G.C.

ROOF MOUNTED AIR INTAKE/ DISCHARGE UNIT DETAIL

4 / H401 — NO SCALE

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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39 MARBLE AVE PLEASANTVILLE, NY 10570
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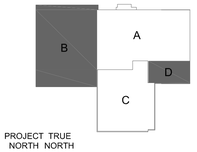

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KEY PLAN

Professional Seal

No.	Date	Issue
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Sheet Title

DETAILS

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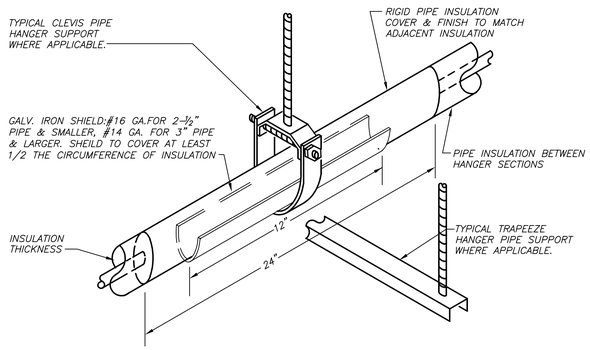
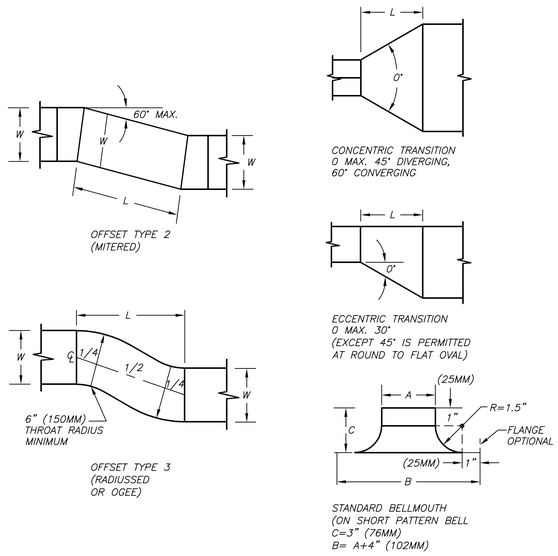
H401



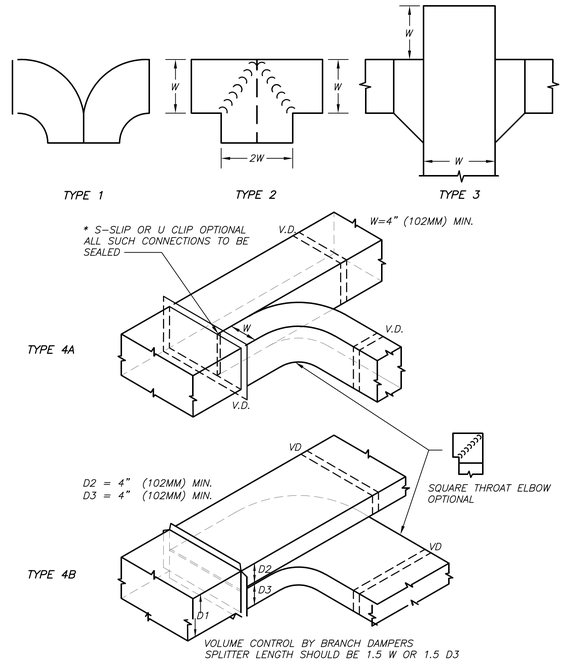
INSULATED PIPE HANGER DETAIL

5 / H402 — NO SCALE



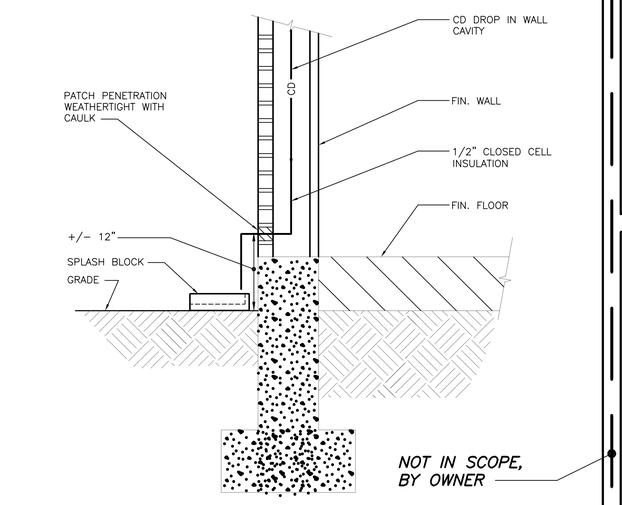
DUCT OFFSETS AND TRANSITIONS DETAIL

3 / H402 — NO SCALE



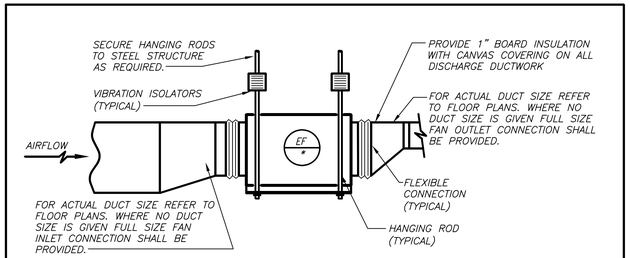
DUCT DIVIDED FLOW BRANCHES DETAIL

1 / H402 — NO SCALE



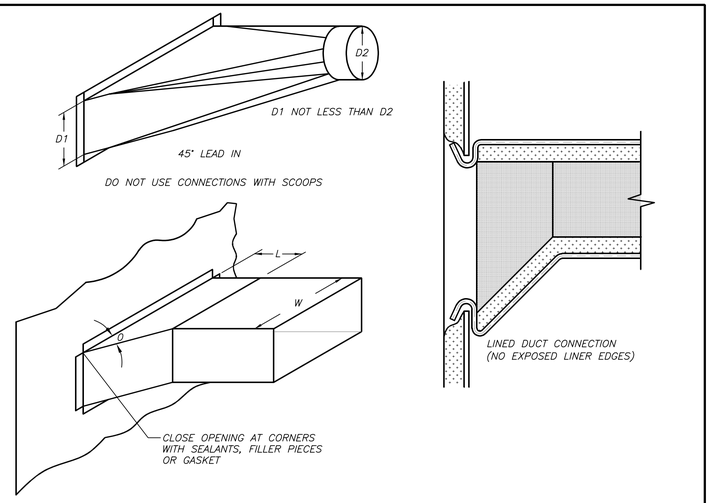
CONDENSATE DRAIN THROUGH EXTERIOR WALL DETAIL

6 / H402 — NO SCALE



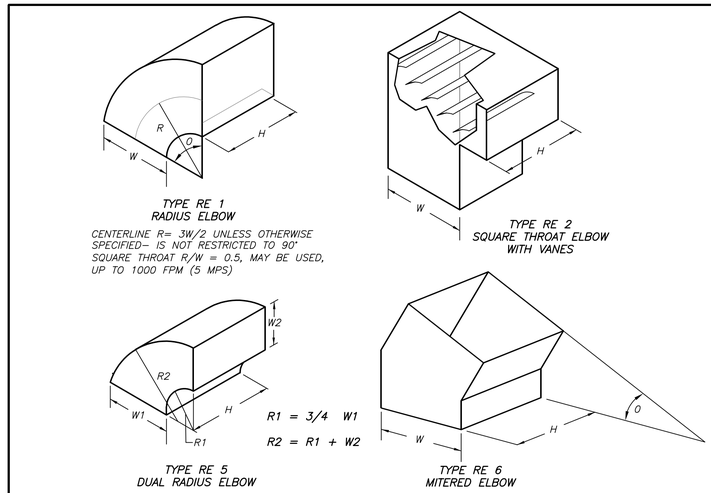
INLINE FAN DETAIL

7 / H402 — NO SCALE



DUCT BRANCH CONNECTIONS DETAIL

4 / H402 — NO SCALE



DUCT RECTANGULAR ELBOWS DETAIL

2 / H402 — NO SCALE

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
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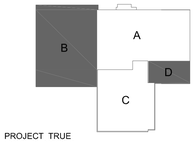

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KEY PLAN

Professional Seal

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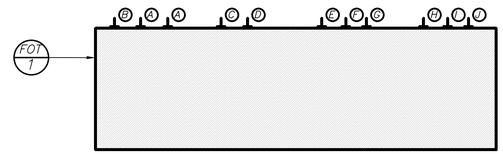
H402

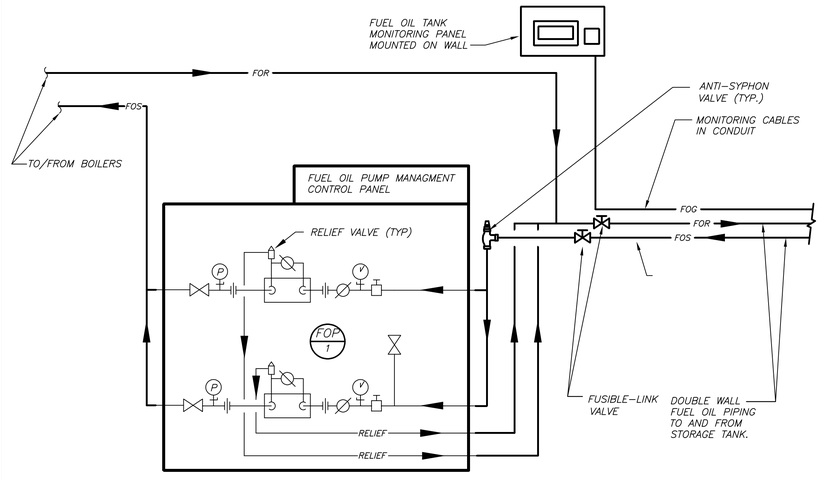
LEGEND – FUEL OIL TANK

- (A) 2" SPARE
- (B) 2" TANK FILL W/ SPILL BOX
- (C) 2" PRIMARY TANK WORKING VENT
- (D) 2" MECH GAUGE/SPARE
- (E) 4" PRIMARY TANK EMERGENCY VENT
- (F) 2" RETURN
- (G) 2" SUPPLY
- (H) 4" SECONDARY CONTAINMENT EMERGENCY VENT
- (I) 2" SECONDARY MONITOR PORT
- (J) 2" SECONDARY WORKING VENT

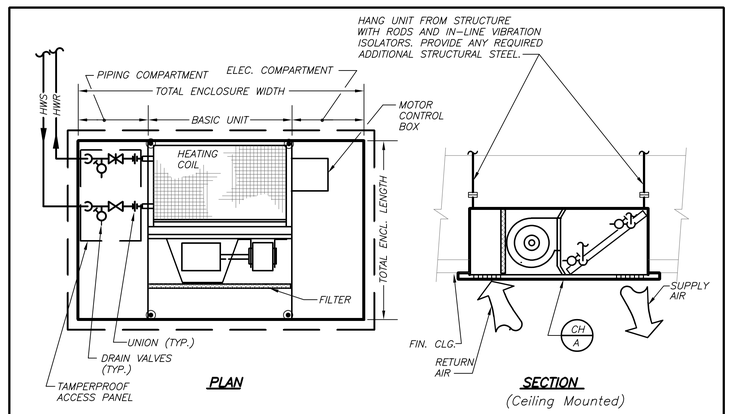


FUEL TANK DIMENSIONS – 5'–2"L x 3'–10"W x 5'–1"H

ABOVE GRADE DOUBLE WALL FUEL OIL TANK DETAIL 1/H403 NO SCALE



FUEL OIL PUMP SET PIPING DETAIL 2/H403 NO SCALE



CABINET HEATER DETAIL 3/H403 NO SCALE

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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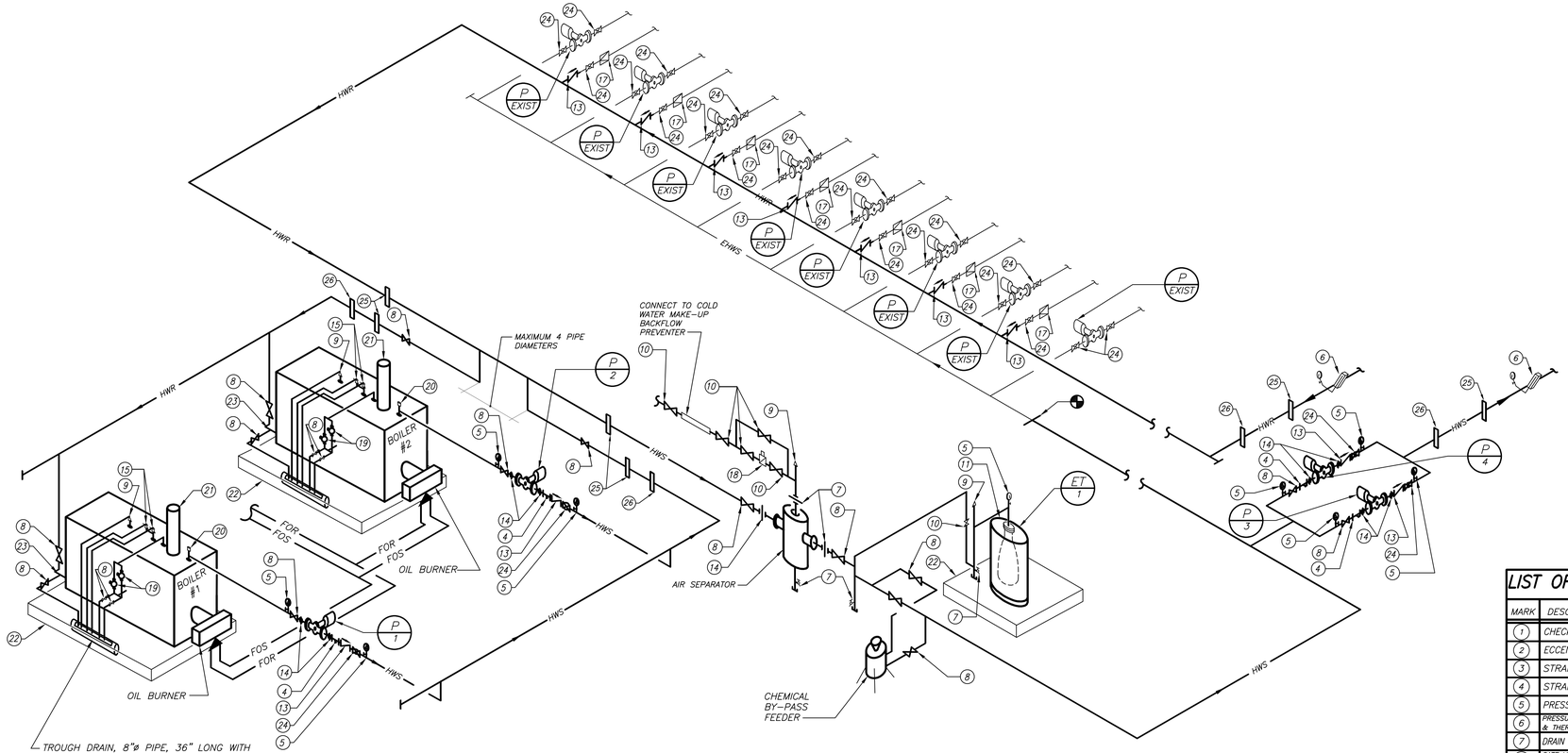
H403

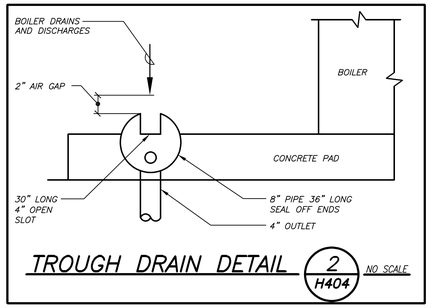


BOILER SCHEMATIC HEATING PIPING DIAGRAM

1 / H404 — NO SCALE

LIST OF APPURTENANCES

MARK	DESCRIPTION
1	CHECK VALVE
2	ECCENTRIC REDUCER
3	STRAINER WITH BLOW-OFF VALVE
4	STRAINER WITH BLOW-OFF VALVE
5	PRESSURE GUAGE(W/SHUT-OFF COCK)
6	PRESSURE GUAGE (WITH SHUT-OFF COCK) & THERMOMETER
7	DRAIN VALVE WITH HOSE END CONNECTION
8	GATE VALVE (WITH CHAIN OPERATOR FOR UNREACHABLE LOCATIONS)
9	AUTOMATIC AIR VENT
10	BALL VALVE
11	PRESSURIZED EXPANSION TANK
12	CONDENSATE DRAIN
13	CHECK VALVE
14	UNION CONNECTION
16	PRESS./TEMP. RELIEF VALVE
17	EXISTING FLOW CONTROL
18	BRONZE BODY MAKE-UP WATER PRESSURE REGULATOR W/ BUILT IN CHECK VALVE
19	LOW WATER CUT OUT - REFER TO SPECIFICATION
20	HI LIMIT CONTROL
21	FLUE OUTLET
22	HOUSEKEEPING PAD BY GC
23	BOILER DRAIN (PIPE TO TROUGH DRAIN)
24	COMBINATION BALANCING/SHUT-OFF VALVE
25	HEADER TEMPERATURE SENSOR
26	DIFFERENTIAL PRESSURE SENSOR (VFD)



TROUGH DRAIN DETAIL

2 / H404 — NO SCALE

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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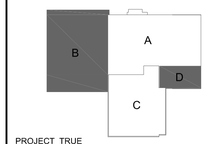
39 MARBLE AVE PLEASANTVILLE, NY 10570
PHONE: 914.328.6060 FAX: 914.328.5304 General@BGA-Engineers



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Sheet Number

H404

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3. WHERE PANELBOARDS, SWITCHES, CIRCUIT BREAKERS, ETC. ARE EXISTING AND TO BE REUSED THE CONTRACTOR SHALL CLEAN AND REFURBISH THE EQUIPMENT. THIS SHALL INCLUDE TIGHTENING ALL CONNECTIONS, REPLACING DEFECTIVE MECHANISMS AND PROVIDING ALL REQUIRED AND NECESSARY MISCELLANEOUS COMPONENTS SO THAT THE EQUIPMENT SHALL BE IN PERFECT WORKING ORDER.
4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
5. ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED. WHERE SHOWN DASHED LINES WITH LETTER (E) IS EXISTING TO REMAIN, WITH LETTER (R) IS EXISTING TO BE REMOVED, WITH LETTER (ER) IS EXISTING RELOCATED, WITH LETTER (RN) IS EXISTING TO BE REPLACED WITH NEW AND WITH LETTER (RR) IS REMOVED, SALVAGED AND RELOCATE.
6. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN CONDUIT MINIMUM ½" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE DONE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"), IN UNFINISHED AREA CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
7. PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW AND EXISTING PANELS BEING USED FOR THIS PROJECT.
8. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
9. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.
10. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOXES IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'-0".
11. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
12. WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.,) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.
13. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
14. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
15. CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND F.A. VENDOR BEFORE PROCEEDING WITH WORK INVOLVING FIRE ALARM SYSTEM.
16. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
17. THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
18. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
19. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
20. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
21. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
22. ALL LIGHTING FIXTURES UTILIZING ELECTRONIC BALLASTS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED.
23. ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR.
24. ALL EMERGENCY LIGHT FIXTURES DESIGNATED 'EM' SHALL BE SWITCHED UNLESS DESIGNATED WITH 'EM/NL' WHICH INDICATES FIXTURE TO SERVE AS NITE LIGHT AND SHALL NOT BE SWITCHED. PROVIDE UNSWITCHED HOT LEG FOR BATTERY CHARGER REGARDLESS OF FUNCTION. ALL EMERGENCY AND EMERGENCY/NITE LIGHT FIXTURES SHALL REVERT TO BATTERY OPERATION UPON INTERRUPTION OF NORMAL POWER AND ILLUMINATE REGARDLESS OF LIGHT SWITCH POSITION.
25. PRIOR TO ANY CHASING, CHOPPING OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE ALL WORK TO ENSURE THAT IT WILL BE IN HARMONY AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING OWNER PRIOR TO PROCEEDING.
26. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).
27. ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK.
28. LIGHT FIXTURES SHALL BE CONSTRUCTED TO SUIT PARTICULAR TYPE OF CEILING AND WALL CONSTRUCTION AND SHALL BE PROVIDED WITH APPROPRIATE TRIMS, MOUNTING FRAMES AND ADAPTERS AS REQUIRED.

GENERAL REMOVAL NOTES

1. BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.
2. BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.
3. ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
   A. LIGHTING FIXTURES AND SWITCHES.
   B. CIRCUIT BREAKERS AND DISCONNECT SWITCHES.
   C. RECEPTACLES, OUTLETS AND DEVICES.
4. ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.
5. ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6. CIRCUIT BREAKERS AND/OR SWITCHES IN PANELBOARD(S) OR DISTRIBUTION BOARD(S) MADE SPARE DUE TO REMOVAL SHALL BE DESIGNATED AS SUCH ON THE PANEL SCHEDULE.
7. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
8. DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL, CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.
9. EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE-USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.
10. ALL FIRE ALARM DEVICES IN THE AREA OF WORK ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED.
11. EXISTING EQUIPMENT DESIGNATED FOR REUSE SHALL BE CLEANED, REFURBISHED AND RESTORED TO OPTIMUM PERFORMANCE. THIS SHALL INCLUDE BUT NOT LIMITED TO CLEANING OF LIGHT FIXTURES, REPLACEMENT OF INOPERABLE BALLASTS AND LAMPS, RESISTANCE TESTING OF BRANCH CIRCUITRY AND FEEDERS, ETC.
12. EXTEND EXISTING CIRCUITRY TO THOSE DEVICES THAT ARE TO BE RELOCATED. MATCH EXISTING TYPE AND SIZE. RELOCATION OF EXISTING EQUIPMENT SHALL BE PERFORMED ONLY UPON OWNERS ACCEPTANCE OF EXISTING EQUIPMENT.
13. EXTEND EXISTING CIRCUITS SERVING EQUIPMENT TO REMAIN FROM PANELS THAT ARE TO BE REMOVED TO NEW PANELS OR EXISTING PANELS THAT ARE TO REMAIN.

ABBREVIATIONS

ABBV.	DESCRIPTION
A	AMP/AMPERE
AC	AIR CONDITIONING UNIT
A.F.F.	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
C.B.	CIRCUIT BREAKER
CH	CABINET HEATER
CKT	CIRCUIT
CU	CONDENSING UNIT
CP	CONDENSATE PUMP
(E)	EXISTING TO REMAIN
E.C.	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY
(ER)	EXISTING RELOCATED
EXIST.	EXISTING
FA	FIRE ALARM
F.A.C.P.	FIRE ALARM CONTROL PANEL
G,GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
HWH	HOT WATER HEATER
kcmil	THOUSAND CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
N	NEUTRAL
NTS	NOT TO SCALE
P.A.	PUBLIC ADDRESS
PNL	PANEL
(R)	REMOVE EXISTING
(RN)	REPLACE EXISTING W/NEW
(RR)	REMOVED AND RELOCATED
SP	SUBMERSED PUMP
TV	TELEVISION
TYP.	TYPICAL
UH	UNIT HEATER
W	WATT
WP	WEATHERPROOF

LEGEND

A a	2'x4' FLUORESCENT CEILING MOUNTED LIGHT FIXTURE. UPPER CASE LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
EM EMNL	2'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE FOR EMERGENCY OPERATION. 'EM' INDICATES SWITCHED EMERGENCY FIXTURE, 'EM/NL'-UNSWITCHED EMERGENCY/NIGHT FIXTURE (TYP.).
B a	2'x2' FLUORESCENT CEILING MOUNTED FIXTURE. CAPITAL LETTER INDICATES TYPE, LOWER CASE LETTER INDICATES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
	2'x2' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE FOR EMERGENCY OPERATION WITH INTEGRAL BATTERY BACK-UP, TEST BUTTON AND L.E.D.
C a	1'x4' FLUORESCENT CEILING MOUNTED FIXTURE. CAPITAL LETTER INDICATES TYPE, LOWER CASE LETTER INDICATES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
	1'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE FOR EMERGENCY OPERATION WITH INTEGRAL BATTERY BACK-UP, TEST BUTTON AND L.E.D.
D	4' FLUORESCENT CEILING MOUNTED COMMERCIAL STRIPLITE. LETTER INDICATES TYPE. FIXTURE SCHEDULE DENOTES TYPE.
F	CEILING/WALL MOUNTED INCANDESCENT OR COMPACT FLUORESCENT FIXTURE. LETTER INDICATES TYPE. FIXTURE SCHEDULE DENOTES TYPE.
	CEILING/WALL MOUNTED EXIT LIGHT WITH OUTLET BOX, DIRECTIONAL ARROWS SHADED PORTION INDICATES ILLUMINATED FACE. SCHEDULE DENOTES TYPE.
	WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY BACK-UP.
S^K_a	FLUSH WALL MOUNTED LIGHTING CONTROL SWITCH CONTROLLING ZONE "a". 'K' WHERE USED INDICATES KEY SWITCH. '3' INDICATES 3-WAY SWITCH; '4' INDICATES 4-WAY SWITCH.
S	FLUSH WALL MOUNTED 3-WAY LIGHTING CONTROL SWITCH.
S^4	FLUSH WALL MOUNTED 4-WAY LIGHTING CONTROL SWITCH.
VS	FLUSH WALL MOUNTED PIR VACANCY SENSOR LIGHTING CONTROL SWITCH, SIMILAR TO WATTSTOPPER CS-50. (MANUAL ON, AUTO OFF)
	CEILING/WALL MOUNTED JUNCTION BOX.
	FLUSH FLOOR MOUNTED JUNCTION BOX
3	HOMERUN TO DESIGNATED PANEL, ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12-3/4"C U.O.N.
2,(4,6)	HOMERUN TO DESIGNATED PANEL, NUMBERS IN PARENTHESIS INDICATE MULTIPLE CIRCUIT, I.E. 3-HOTS AND 1-GROUND U.O.N.
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW
	125V-2P-3W-20A GROUNDED TYPE, SPECIFICATION GRADE WALL MOUNTED TAMPER RESISTANCE DUPLEX RECEPTACLE SIMILAR TO HUBBELL #5362WTR.
	SAME AS ABOVE EXCEPT DOUBLE DUPLEX RECEPTACLE.
	30AMP-2P TWIST LOCK OUTLET
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #GF5362.

DISPOSAL OF MERCURY CONTAINING LAMPS

1. ALL FLUORESCENT AND HID LAMPS WITHIN REMOVED LIGHT FIXTURES ARE CONSIDERED MERCURY CONTAINING AND SHALL BE TREATED AS HAZARDOUS MATERIAL.
2. FLUORESCENT AND HID LAMPS SHALL BE REMOVED FROM DEMOLISHED LIGHT FIXTURES AND DISPOSED OF AS PER NEW YORK STATE DEC REGULATIONS AND METHODS
3. LAMPS MUST BE BAGGED IN NON-LEACHING PLASTIC BAGS AND SEALED TO PREVENT LEAKING.
4. EACH LAMP OR BAGGED CONTAINER IN WHICH THESE LAMPS ARE CONTAINED MUST BE LABELED OR MARKED CLEARLY WITH ONE OF THE FOLLOWING PHRASES; UNIVERSAL WASTE LAMPS, OR WASTE LAMPS, OR USED LAMPS
5. THESE MARKED BAGS MUST BE DELIVERED TO THE PROPER NEW YORK STATE D.E.C. AUTHORIZED LANDFILL OR RECYCLE CENTERS.

LEGEND

TV	FLUSH WALL MOUNTED DATA OUTLET CONSISTING OF A COVER PLATE WITH 1" GROMMETED OPENING AND 1" EMPTY CONDUIT WITH DRAG LINE STUBBED UP 6" ABOVE FINISHED CEILING. 'TV' WHERE USED INDICATES OUTLET TO BE FOR CABLE TELEVISION USE.
W PP	FLUSH WALL MOUNTED TELEPHONE OUTLET CONSISTING OF A COVER PLATE WITH 1" GROMMETED OPENING AND 1" EMPTY CONDUIT WITH DRAG LINE STUBBED UP 6" ABOVE CEILING. 'W' DENOTES WALL PHONE, 'PP' DENOTES PAY PHONE. AND 'F' DENOTES FAX.
	SURFACE MOUNTED NEW ELECTRICAL PANELBOARD.
	SURFACE MOUNTED EXISTING ELECTRICAL PANELBOARD.
240/3 60 A0 WP	HEAVY DUTY TYPE DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. 240 INDICATES VOLTAGE, 3 INDICATES NO. OF POLES, 60 INDICATES AMPERE RATING, NF INDICATES NON-FUSED(OR FUSE SIZE) U.O.N. REFER TO SPECIFICATION AND DRAWINGS FOR ENCLOSURE. 'WP' WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
S_T	THERMAL SWITCH, CUTLER-HAMMER MS SERIES MANUAL STARTERS SINGLE-PHASE 20AMP, 120V U.O.N. WHERE INDICATED WITH 'WP' PROVIDE WATERTIGHT ENCLOSURE TYPE 3.
S_{2T}	208 VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
(5)	MOTOR (F.B.O. WIRED BY ELEC.) - NUMBER INDICATES HORSEPOWER. REFER TO PANEL SCHEDULES FOR WIRING AND OVER CURRENT PROTECTION.
FSD	FIRE SMOKE DAMPER
F	WALL MOUNTED COMBINATION FIRE ALARM HORN/STROBE DEVICE.
F	WALL MOUNTED FIRE ALARM MANUAL PULL STATION
S	CEILING MOUNTED IONIZATION TYPE SMOKE DETECTOR
S_D	DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR WITH (REMOTE) CONTROL RELAY MODULE FOR FAN SHUT DOWN. RELAY MODULE TO BE MOUNTED ADJACENT TO MECHANICAL EQUIPMENT. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT/STARTERS DO NOT HAVE A SET OF DRY CONTACTS TO TIE-IN FOR FAN SHUTDOWN.
ST	WALL MOUNTED FIRE ALARM STROBE LIGHT.
FACP	FIRE ALARM CONTROL PANEL.
IM	INTERFACE MODULE CONSISTING OF CONTROL RELAY AND MONITOR MODULES. IN NEMA 1 ENCLOSURE. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT/STARTERS DO NOT HAVE A SET OF DRY CONTACTS TO TIE-IN FOR FAN SHUTDOWN.
WAP	WIRELESS ACCESS POINT
RC3	NETWORK DIGITAL DIMMABLE ROOM CONTROLLER FOR LIGHTING CONTROL. SIMILAR TO WATTSTOPPER MODEL LMRC-213. HOT WIRE TO LOAD, CAT 5 WIRE CONNECTIONS TO CONTROL DEVICES. RC'#' DENOTES LMRC-21'#' WITH '#' OF ZONES.
OS	NETWORK DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL LMDC-100. WORKS WITH DIGITAL ROOM CONTROLLER. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 20 MIN.
3 WD3	NETWORK DIGITAL FLUSH MOUNTED PRESET THREE ZONE DIMMABLE WALL STATION, SIMILAR TO WATTSTOPPER MODEL LMSW-105, WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING AND PROGRAMMING PER ZONES: ON/RAISE, OFF/LOWER, A, B, C, PRES. SUPERSCRIPT '3' DENOTES 3 WAY SWITCH.
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR FOR LIGHTING CONTROL. WATT STOPPER DT-300 AND BZ-50 UNIVERSAL VOLTAGE POWER PACK. (BZ-150 IF PHOTO SENSOR IS ALSO USED)
	SURFACE MOUNTED WIREMOLD V700 FOR EITHER RECEPTACLE OR COMMUNICATION WIRING. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
	SURFACE MOUNTED WIREMOLD SERIES 4000 CONTAINING RECEPTACLE CIRCUITS AND COMMUNICATION WIRING. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
7	TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.

MECHANICAL EQUIPMENT IDENTIFICATION:
- EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.)
- EQUIPMENT NUMBER

DETAIL/PART PLAN NUMBER IDENTIFICATION:
- DETAIL/PART PLAN NUMBER
- DRAWING NUMBER

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

KG+D listen imagine build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO , NEW YORK , 10549
P:914.666.5900 KGDARCHITECTS.COM

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BARILE GALLAGHER & ASSOCIATES
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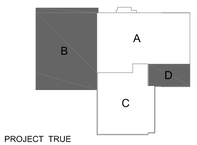
39 MARBLE AVE PLEASANTVILLE, NY 10570
PHONE) 914.528.6560 FAX) 914.528.5504 General@BGA-Engineers



PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title
LEGEND ABBREVIATIONS AND NOTES

Job No. 2330.00	Date 03/19/24
Scale AS NOTED	Drawn / Checked BGA / BGA

Sheet Number
E001

FIRST FLOOR REMOVAL PLAN

(REMOVALS) 2 / E101

0 8' 16'
1/8 inch=1 foot
N

GROUND LEVEL REMOVALS PLAN

(REMOVALS) 1 / E101

0 8' 16'
1/8 inch=1 foot
N

REMOVAL NOTES:

1. REMOVE ALL PANELS, DISC SWITCHES AND ATS AS SHOWN.
2. REMOVE WIRING FROM DS-1 IN DISPATCH ROOM 104 TO CU-3 BEING RELOCATED.
3. REMOVE EXISTING BRANCH CIRCUITRY IN ITS ENTIRETY BACK TO SOURCE. THE EQUIPMENT SHALL BE RELOCATED TO NEW LOCATION AND NEW BRANCH CIRCUITRY SHALL BE INSTALLED. REFER TO DRAWING E301 AND E302 FOR ADDITIONAL INFORMATION.
4. REMOVE EXISTING BRANCH CIRCUITRY IN ITS ENTIRETY TO SOURCE.
5. PROVIDE ALTERNATE PRICE TO REMOVE EXHAUST FAN BRANCH CIRCUITRY IN ITS ENTIRETY BACK TO SOURCE.
6. PROVIDE ALTERNATE PRICE TO REMOVE ICE MACHINE DISC SWITCH AND BRANCH CIRCUITRY IN ITS ENTIRETY BACK TO SOURCE. REFER TO DRAWING E301 FOR ALTERNATE RELOCATION FOR ICE MACHINE WITH NEW BRANCH CIRCUITRY.

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

KG+D listen imagine build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
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KEY PLAN

Professional Seal

LAURENCE J. BARILE
067790

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

GROUND AND FIRST FLOOR REMOVALS PLAN

Job No. 2330.00	Date 03/19/24
Scale AS NOTED	Drawn / Checked Author

Sheet Number

E101

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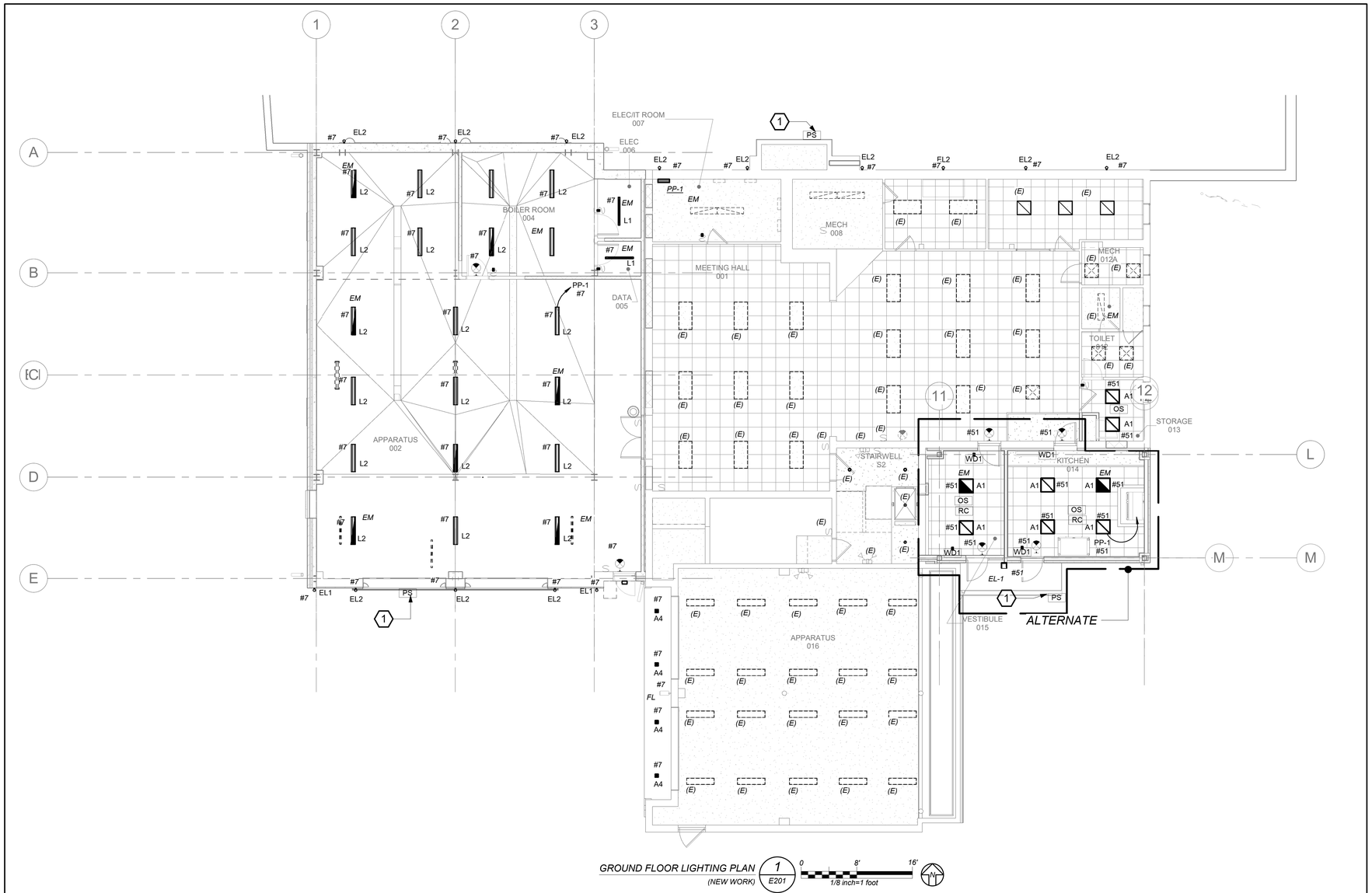

WORKING NOTES

1. *PROVIDE TOWK 2001 SERIES PHOTOCELL SENSOR TO CONTROL EXTERIOR FIXTURE.*

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

KG+D listen imagine build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
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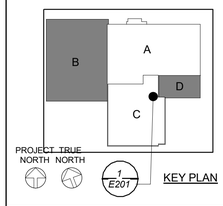


KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

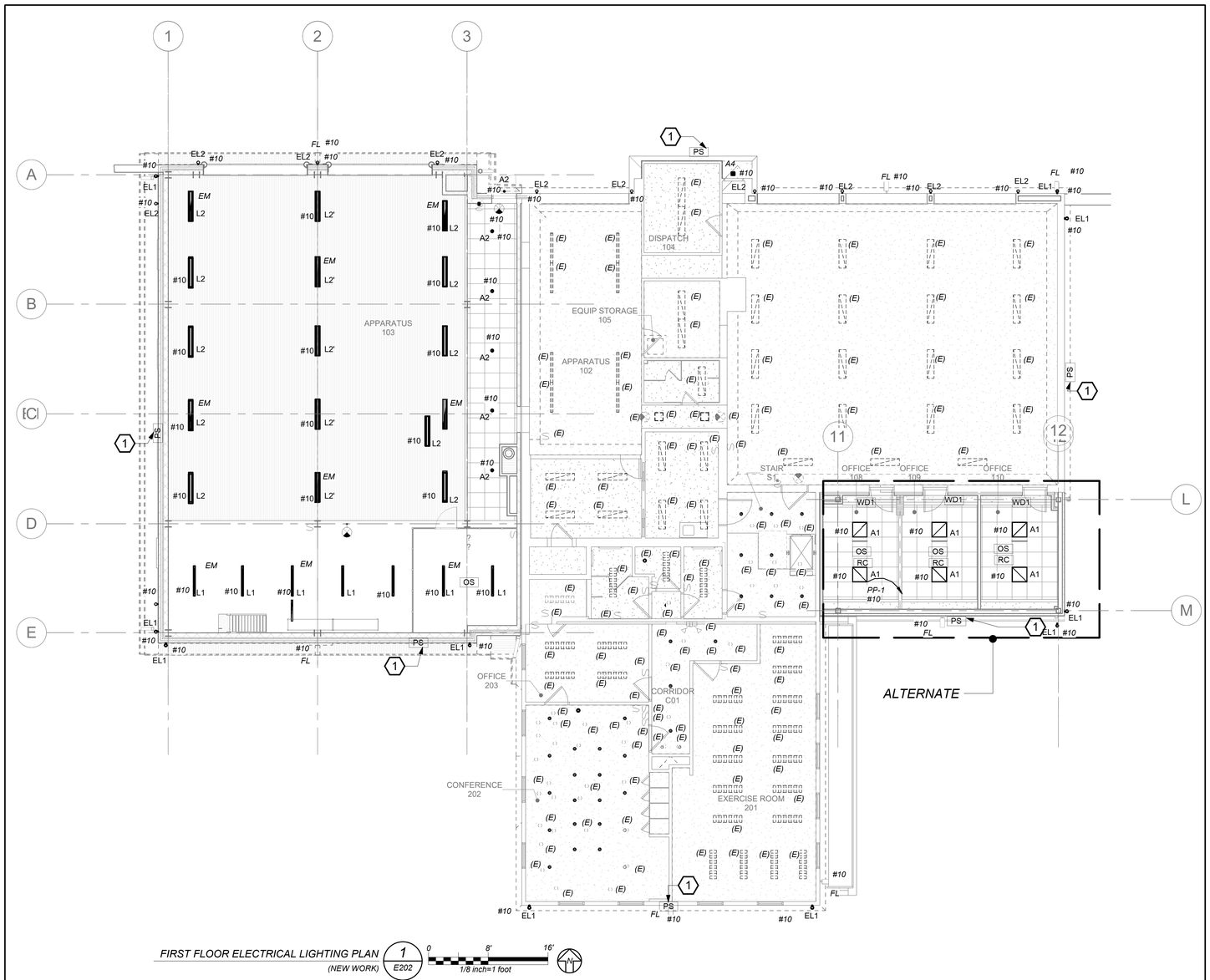
Sheet Title

GROUND FLOOR ELECTRICAL LIGHTING PLAN

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: Author

Sheet Number

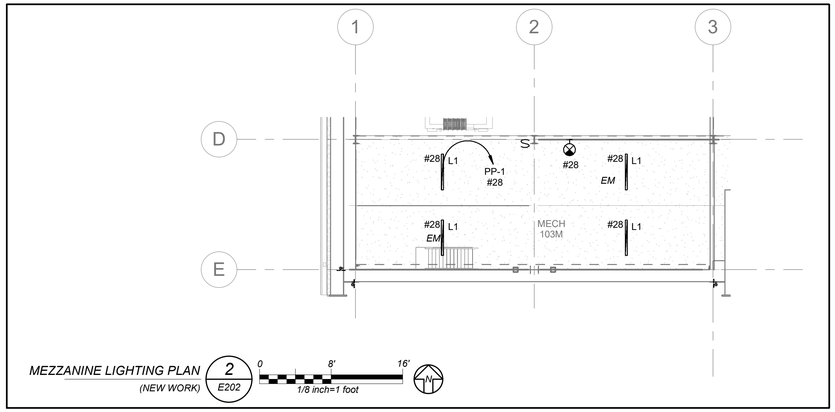
E201



FIRST FLOOR ELECTRICAL LIGHTING PLAN (NEW WORK) — 1 / E202 — 0 8' 16' — 1/8 inch=1 foot

WORKING NOTES

1. PROVIDE TOWK 2001 SERIES PHOTOCELL SENSOR TO CONTROL EXTERIOR FIXTURE.



MEZZANINE LIGHTING PLAN (NEW WORK) — 2 / E202 — 0 8' 16' — 1/8 inch=1 foot

FIREHOUSE
ADDITIONS & ALTERATIONS

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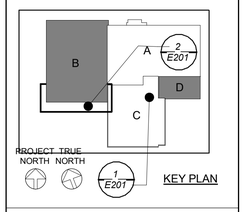

KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

FIRST FLOOR & MEZZANINE LIGHTING PLAN

Job No.	Date
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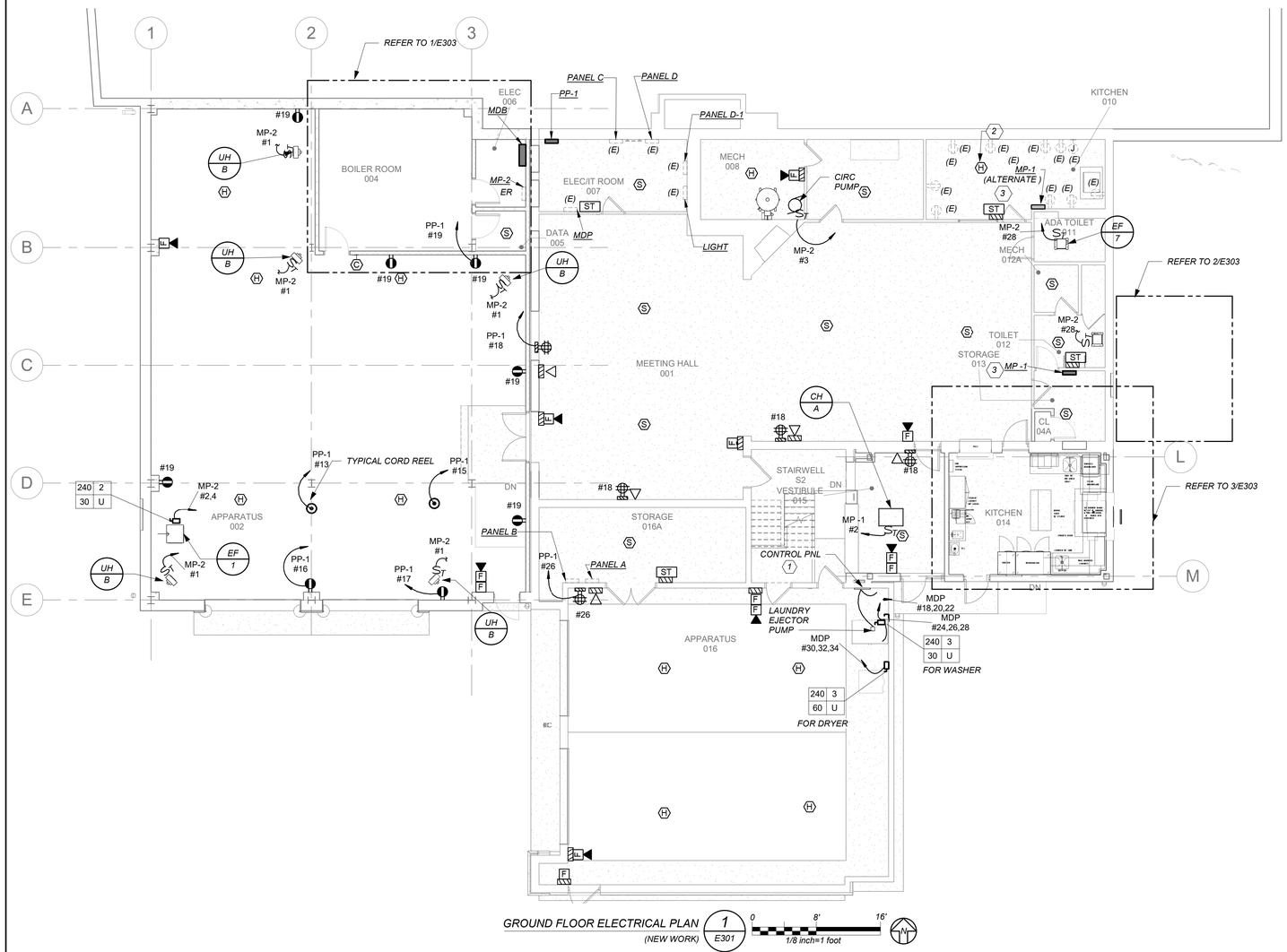
AS NOTED	Author

Sheet Number

E202



WORK NOTES:

1. *PROVIDE THE INTER CONNECT BETWEEN CONTROLLER AND DISCONECT AND MOTOR AS PER MANUFACTURER REQUIREMENTS. THE CONTROLLER INTERNAL TRANSFORMER IS FACTORY WIRED AT 460V AC. CHANGE CONTROLLER TRANSFORMER PRIMARY AT TERMINAL BLOCKS TO 208V AC . COORDINATE WITH MECHANICAL CONTRACTOR BEFORE THE START OF ANY WORK.*
2. *FOR BASE BID PROVIDE HEAT DETECTOR. IF ALTERNATE IS ACCEPTED PROVIDE SMOKE DETECTOR.*
3. *FOR BASE BID PANEL MP-1 SHALL BE LOCATED IN STRORAGE RM013. IF ALTERNATE IS ACCEPTED PANEL MP-1 SHALL BE INSTALLED IN KITCHEN AREA CONVERTED TO STORAGE ROOM.*

FIREHOUSE
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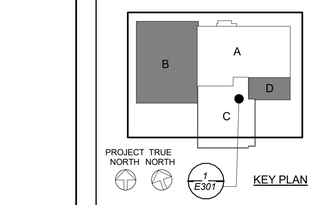

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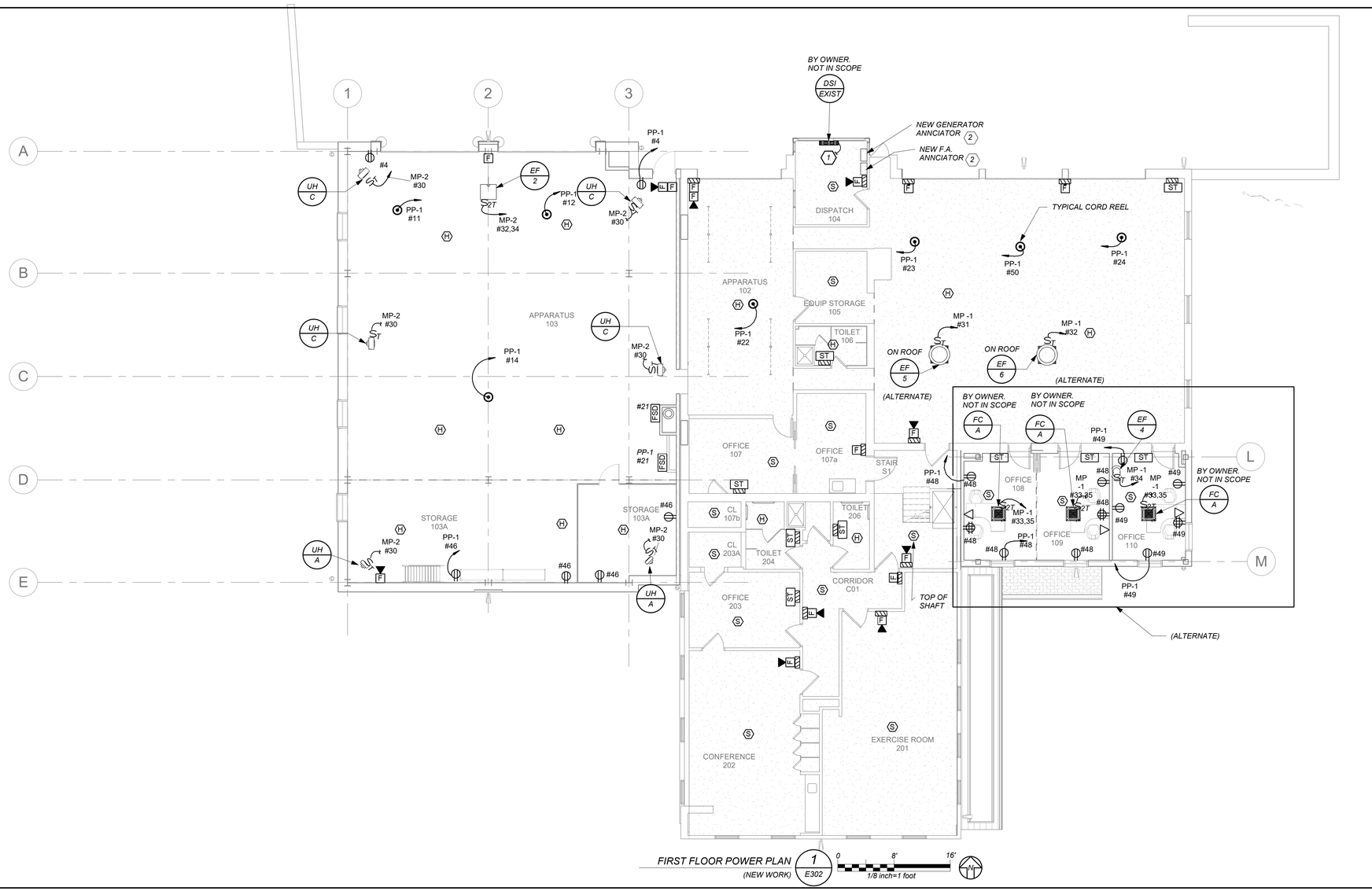
Sheet Title

GROUND LEVEL POWER PLAN

Job No.	Date
2330.00	03/19/24
Scale	Drawn / Checked
AS NOTED	Author

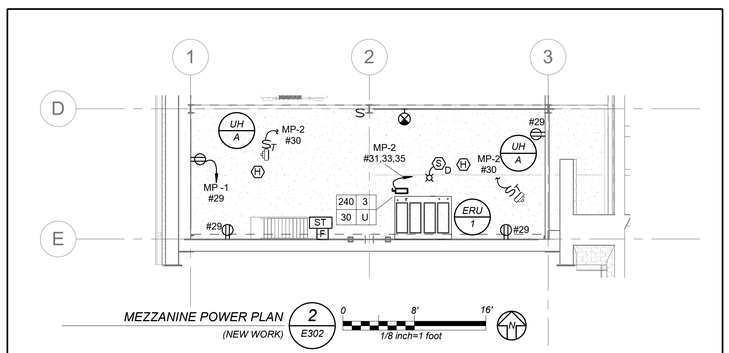
Sheet Number

E301



WORK NOTES:

1. *PROVIDE THE INTER CONNECTION BRANCH CIRCUIT TO CU-3 LOCATED OUTSIDE. REFER TO DRAWING E301 WORK NOTE #2 FOR ADDITIONAL INFORMATION .*
2. *COORDINATE EXACT MOUNTING LOCATION OF FA AND GENERATOR ANNUCIATOR WITH OWNER BEFORE START OF ANY WORK.*



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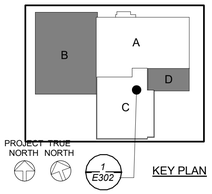

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Sheet Title

FIRST FLOOR & MEZZANINE POWER PLAN

Job No.	Date
2330.00	03/19/24
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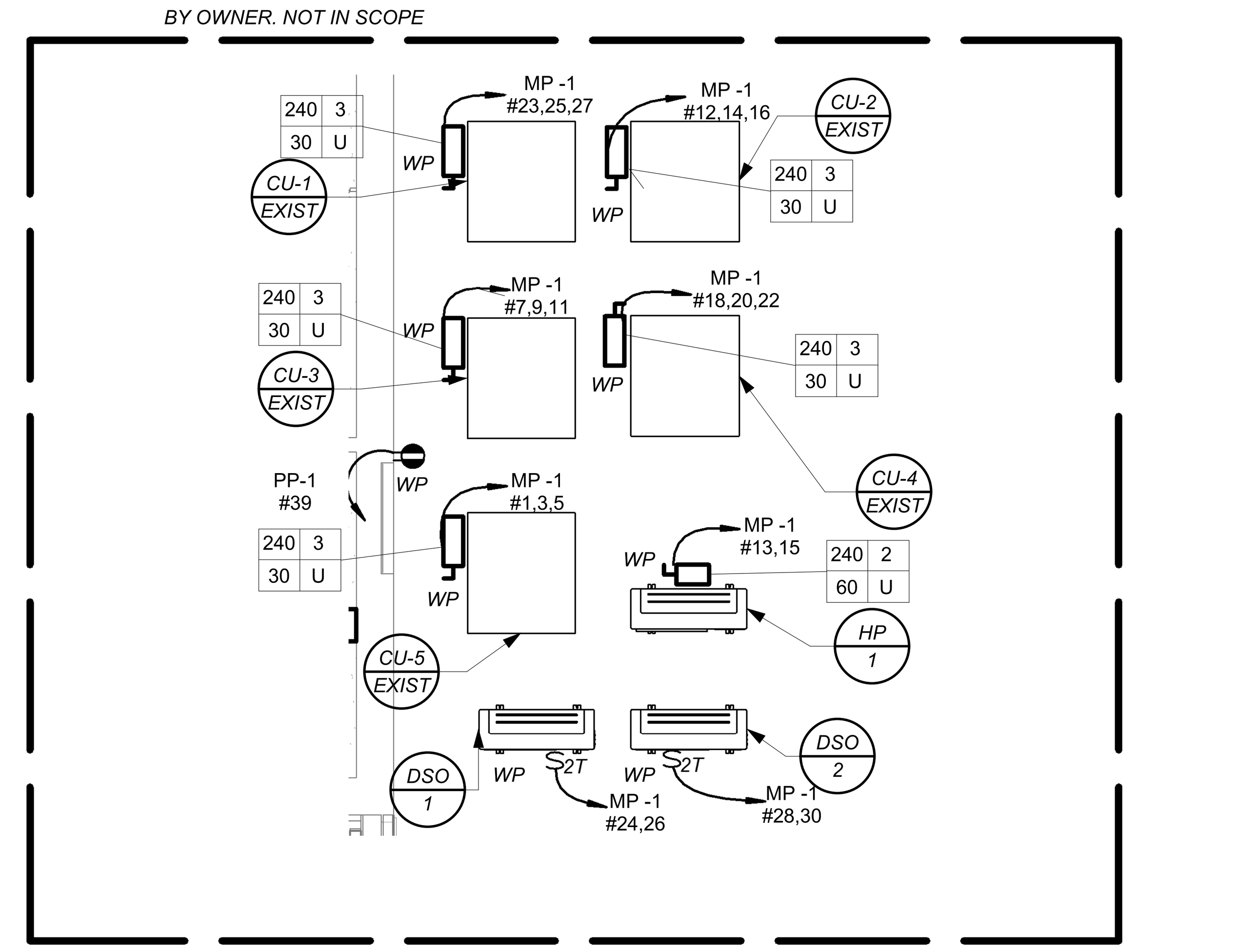
Sheet Number

E302

WORK NOTES:

1. PROVIDE 3#10+1#10G IN 3/4" TO INDOOR UNIT "DSI-EXIST" LOCATED IN DISPATCH RM 104 ON MAIN LEVEL. COORDINATE WITH HVAC CONTRACTOR BEFORE START OF ANY WORK.
2. PROVIDE JUNCTION BOX FOR FIRE SUPPRESSION ANSUL SYSTEM. EXTEND CONDUIT AND WIRING FROM ANSUL SYSTEM TO INTER-WIRE TO SHUNT TRIP BREAKER IN PANEL AND BUILDING FIRE ALARM SYSTEM. REFER TO KA DRAWINGS FOR ADDITIONAL INFORMATION. INTERWIRE WITH EXHAUST AND SUPPLY FAN MAGNETIC STARTERS AS REQUIRED. REFER TO ELECTRICAL REMARKS LEGEND ON KITCHEN DRAWINGS KA-3 FOR ADDITIONAL INFORMATION.
3. TOGGLE SWITCH FOR HOOD LIGHTS. PROVIDE 2#12 +1#12G -3/4" CONDUIT TO HOOD LIGHT. AND SWITCH FURNISHED BY OTHERS AND INSTALLED BY E.C. REFER TO KITCHEN EQUIPMENT DRAWING KA-SERIES FOR ADDITIONAL INFORMATION.
4. PROVIDE RECESSED JUNCTION BOX FOR THE FIRE SUPPRESSION MANUAL PULL STATION FURNISHED BY OTHER. PROVIDE 1/2" CONDUIT TO JUNCTION BOX REFERENCED IN NOTE 2 FOR FIRE SUPPRESSION ANSUL SYSTEM. REFER TO KA-3 DRAWING FOR ADDITIONAL INFORMATION.
5. RECEPTACL SHALL BE MOUNTED ON SIDE CABLE. REFER TO KA-3 DRAWINGS FOR ADDITIONAL INFORMATION.

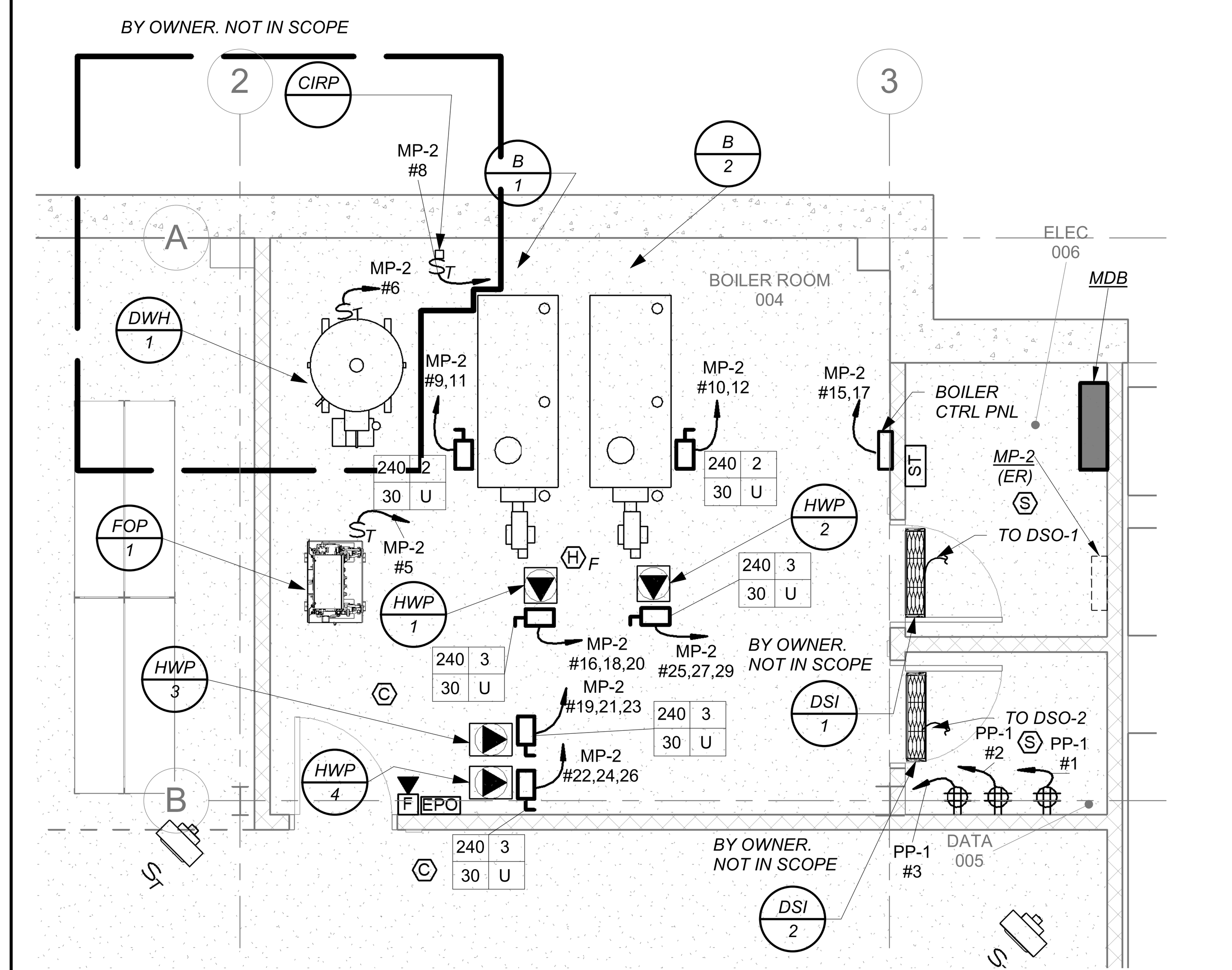


PART GROUND FLOOR PLAN

2 / E303

(NEW WORK)

1/4 inch=1 foot

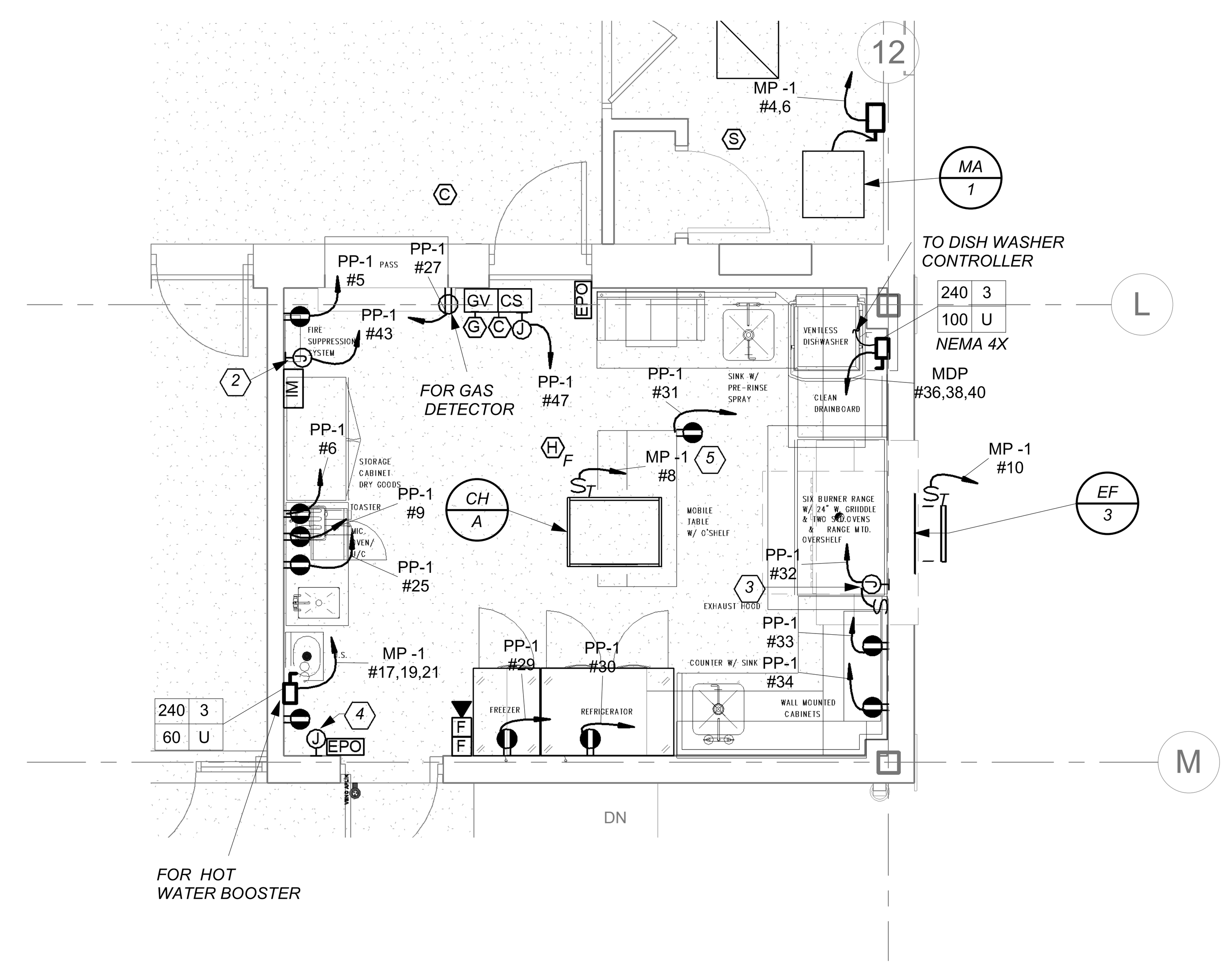


PART BOILER ROOM PLAN

1 / E303

(NEW WORK)

1/8 inch=1 foot



KITCHEN POWER PLAN (ALTERNATE)

3 / E303

(NEW WORK)

1/4 inch=1 foot

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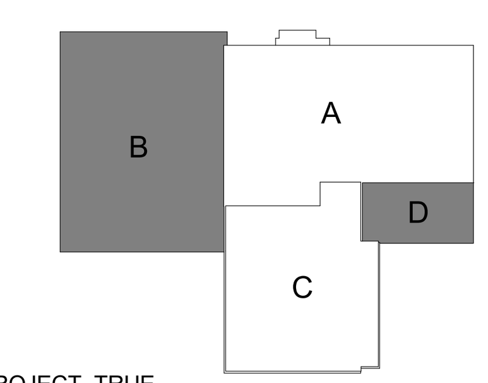

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KEY PLAN

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Sheet Title

ELECTRICAL PART PLANS

Job No. 2330.00	Date 03/19/24
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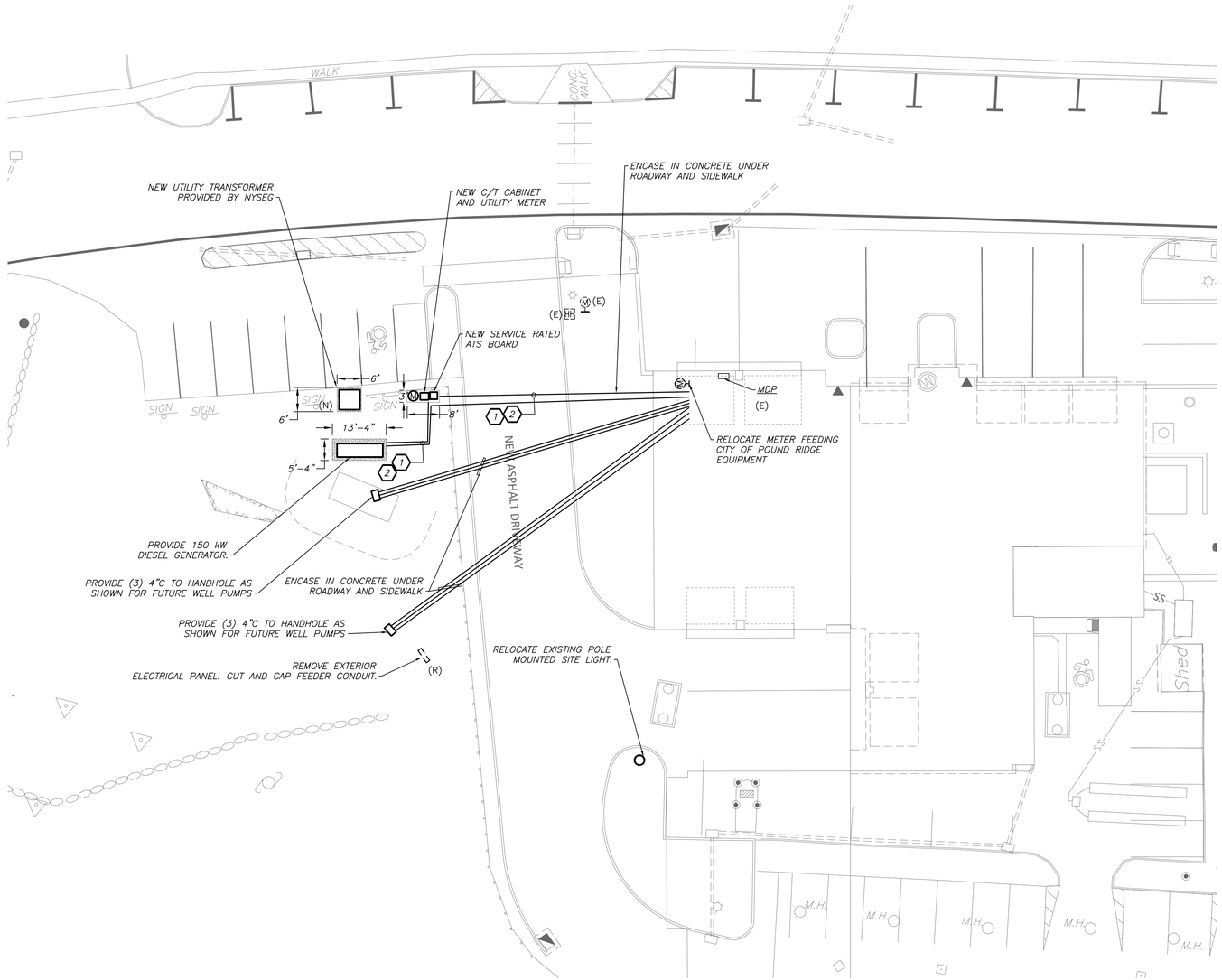
E303



ELECTRICAL SITE PLAN
(REMOVALS AND NEW WORK)

1 / E304

GENERAL NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC CONDUITS (U.O.N.) BURIED A MINIMUM OF 24" AS REQUIRED BY CODE. PROVIDE CONDUIT SIZE AS INDICATED. CONDUITS RUNNING PARALLEL TO ONE ANOTHER SHALL BE PLACED IN SAME TRENCH AS CONDUIT RUNS PERMIT. EXACT ROUTING OF THE CONDUITS SHALL BE AS PER FIELD CONDITIONS. ALL TRENCHING AND BACK FILL WORK SHALL BE DONE BY THIS CONTRACTOR. CONDUITS UNDER ROADWAY SHALL BE ENCASED IN CONCRETE.
2. ALL CONDUIT SIZE AND UNDERGROUND PATHS MUST BE VERIFIED PRIOR TO INSTALLATION.
3. KNOCK-OUT BOXES OR FLEXIBLE CONDUITS ARE NOT PERMITTED FOR INSTALLATION.

WORK NOTES:

1. REFER TO POWER RISER DIAGRAM FOR CONDUIT AND WIRE INFORMATION
2. EC SHALL ONLY RUN CONDUIT ASSOCIATED WITH THE GENERATOR AND ATS. OWNER SHALL RUN ALL WIRING.

FIREHOUSE
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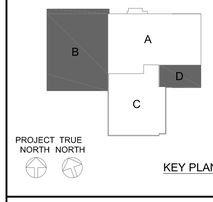

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ELECTRICAL SITE PLAN

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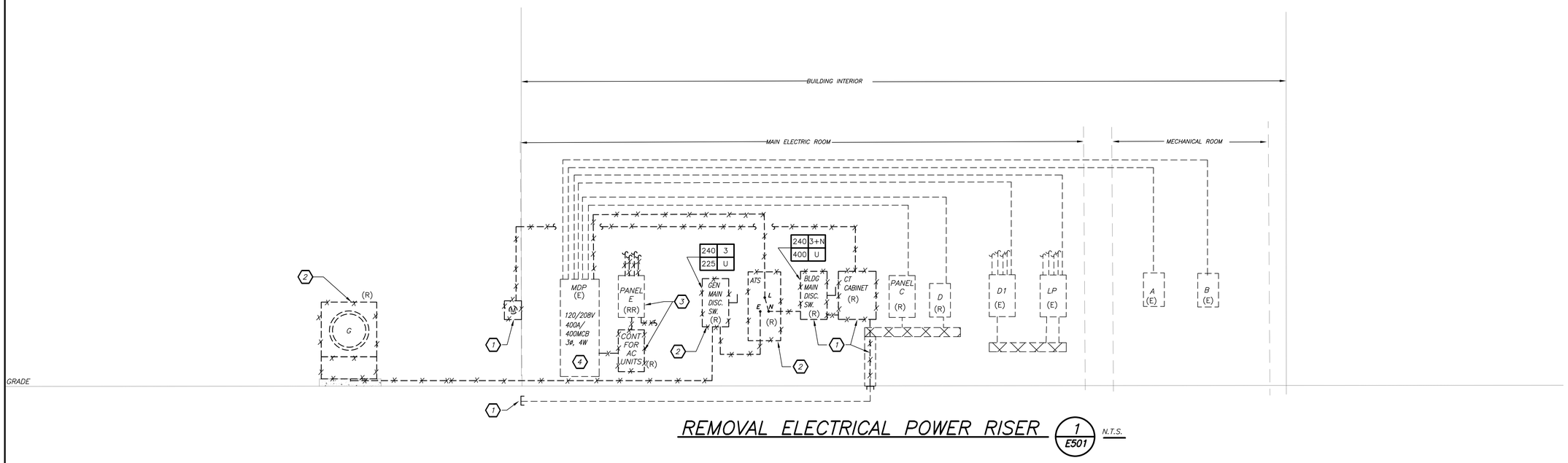
Sheet Number

E304



REMOVAL ELECTRICAL POWER RISER (1 / E501) N.T.S.

REMOVAL POWER RISER NOTES

1. COORDINATE THE REMOVAL OF THE EXISTING CT CABINET, MAIN BUILDING SERVICE SWITCH, METER, ASSOCIATED CONDUIT & WIRING ALONG WITH CUTTING AND CAPPING EXISTING MAIN SERVICE CABLE WITH SITE CONTRACTOR ONCE THE NEW SERVICE HAS BEEN INSTALLED. REFER TO DRAWING E502 FOR NEW SERVICE REQUIREMENTS.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TEMPORARY RELOCATION AND COMPLETE REMOVAL OF ATS AND GENERATOR DISCONNECT SWITCH INCLUING CONDUIT AND WIRING WITH OWNER/CONSTRUCTION MANAGER. EQUIPMENT SHALL BE REMOVED COMPLETELY WHEN NEW GENERATOR IS 100% OPERATIONAL.
3. EXISTING CONDUIT & WIRING FROM MDP TO CONTACTOR FOR AC UNITS TO PANEL "E" SHALL BE REMOVED INCLUDING THE REMOVAL OF AC CONTACTOR. PANEL "E" SHALL BE REMOVED AND RELOCATED TO NEW ELECTRICAL CLOSET IN NEW ADDITION. THE PANELBOARD WILL BE DESIGNATED AS PANEL "MP-2". PROVIDE NEW NAME PLATE.
4. EXISTING GROUNDING BOND SHALL BE REMOVED PRIOR TO ENGERIZING NEW MAIN SERVICE EQUIPMENT THAT WILL BE LOCATED OUTDOORS. REFER TO DRAWING E502 FOR ADDITIONAL INFORMATION.

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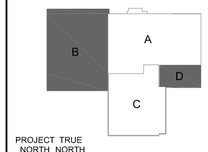

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Sheet Title
REMOVAL POWER RISER DIAGRAM

Job No.	Date
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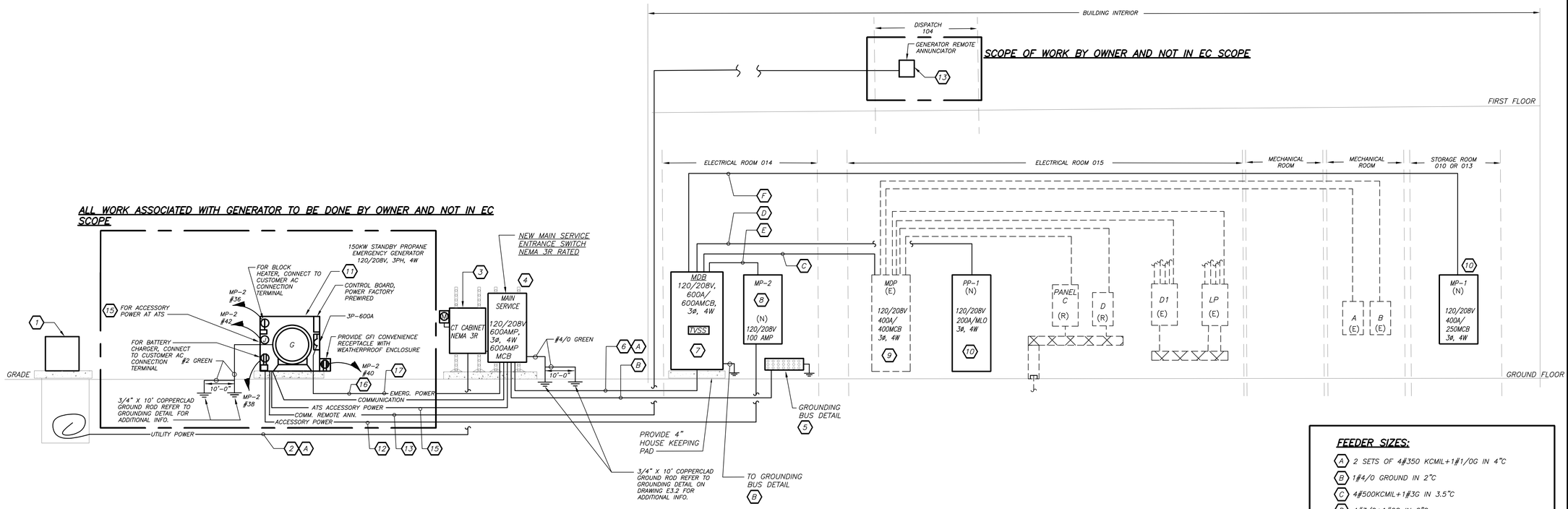
Scale: AS NOTED	Drawn / Checked: BGA / BGA

Sheet Number
E501



ELECTRICAL POWER RISER (1 / E502) N.T.S.

FEEDER SIZES:

- A: 2 SETS OF 4#350 KCMIL+1#1/0G IN 4"C
- B: 1#4/0 GROUND IN 2"C
- C: 4#500KCMIL+1#3G IN 3.5"C
- D: 4#3/0+1#6G IN 2"C
- E: 4#2+1#8G IN 1 ¼"C
- F: 4#250KCMIL+1#4G IN 2"C

POWER RISER DIAGRAM WORK NOTES:

1. NYSEG SHALL PROVIDE NEW TRANSFORMER VAULT, TRANSFORMER, PRIMARY FEEDER & CONNECTION AND SECONDARY FEEDER CONNECTION TO TRANSFORMER. REFER TO ELECTRICAL SITE PLAN FOR ADDITIONAL INFORMATION.
2. THIS CONTRACTOR SHALL PROVIDE NEW SERVICE FEEDER, 2 SETS 4#350KCMIL + #1/0 COPPER GROUND IN 4" SCHEDULE 40 CONDUIT SHALL BE INSTALLED A MINIMUM 24" BELOW GRADE. PROVIDE MARKER TAPE 12" BELOW GRADE. CONDUIT SHALL TRANSISTION TO 4" RIGID GALVANIZED STEEL CONDUIT BEFORE ENTERING C/T CABINET. CONNECT TO EXTERIOR MOUNTED C/T CABINENT AND SERVICE ENTRANCE ATS. THIS CONTRACTOR SHALL LEAVE 10' OF FEEDER COILED IN TRANSFORMER VAULT. COORDINATE WITH UILITY COMPANY BEFORE THE START OF ANYWORK. FINAL CONNECTION AT UTILITY TRANSFORMER SHALL BE DONE BY THE UTILITY COMPANY.
3. PROVIDE NEW NEMA 3R RATED C/T CABINET AND METER PAN MOUNTED ON KINDORF SUPPORT. PROVIDE ALL REQUIRED AND NECESSSARY ACCESSORIES. CONCRETE PAD SHALL BE PROVIDED BY OTHERS. COORDINATED THE CONDUIT INSTALLATION THROUGH THE CONCRETE PAD WITH SITE CONTRACTOR BEFORE THE START OF ANYWORK. CONNECT UTILITIY COMPANY AT THE START OF THE PROJECT TO SCHEDULE THE DELIVERY OF THE C/T'S. DURING THE TIME FRAME OF ELECTRIC SERVICE SHUTDOWN THIS CONTRACTOR SHALL PROVIDE A 60KW TEMPORARY GENERATOR TO KEEP THE BUILDING OPERATIONAL AS DIRECTED BY OWNER. COORDINATE ALL SHUTDOWNS WITH NYSEG, AND OWNER, CONSTRUCTION MANAGEMENT/CLARK OF THE WORKS AND ARCHITECT/ENGINEER. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION
4. PROVIDE NEW NEMA 3R SERVICE SWITCH RATED 120/208V, 600AMP/600AMPMCB, 3 PHASE, 4 WIRE. PROVIDE NEMA 3R DOOR FOR THE ENCLOSURE TO PROTECT THE CIRCUIT BREAKERS. THE GROUND BONDING SHALL BE ESTABLISHED AT THIS SERVICE ENTRANCE SWITCH. A PLAQUE SHALL BE INSTALLED AT THIS SERVICE SWITCH AND AT MDB THAT INDICATES "THE GROUND BONDING JUMPER TO NEUTRAL IS INSTALLED AT OUTDOOR SERVICE ENTRANCE SWITCH". PROVIDE A SEPARATE 1#4/0 COPPER GROUND WIRE IN 2" CONDUIT TO CONNECT TO THE NEW COPPER BUS DETAIL IN NEW ELECTRICAL ROOM. REFER TO NOTE 5.
5. PROVIDE NEW 24"L X 4"W X ¼" THICK COPPER BUS. REFER TO DETAIL SHEET FOR ALL SPECIFIC DIMENSIONS AND REQUIREMENTS. COPPER BUS DETAIL SHALL BE CONNECTED TO SERVICE ENTRANCE SWTICH GROUNDING BUS AS INDICATED IN NOTE 4. ALSO CONNECT, NEW 1#4/0 GROUND IN 1" CONDUIT TO STREET SIDE OF MAIN COLD WATER VALVE, AND BUILDING STEEL. REFER TO SCHEMATIC SERVICE GROUND SYSTEM DETAIL FOR ADDITIONAL INFORMATION.
6. PROVIDE NEW 2 SETS OF 4#350KCMIL+1#1 GROUND IN 4" CONDUIT. PROVIDE RIGID GALVANIZED STEEL (RGS) CONDUIT UPTO 5'-0" AWAY FROM SERVICE SWITCH AND TRANSITION TO 4" SCHEDULE 40 CONDUIT UPTO 5'-0" AWAY FROM BUILDING. CONDUIT SHALL TRANSITION TO 4" RGS INTO MAIN DISTRIBUTION BOARD "MDB". CONDUIT SHALL BE ENCASED IN CONCRETE UNDER THE ROADWAY, PARKING LOT AND SIDEWALKS. PROVIDE MARKER TAPE 12" BELOW GRADE. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
7. PROVIDE NEW 120/208V, 600AMP, 3 PHASE, 4 WIRE WITH A 600AMP MAIN CIRCUIT BREAKER. THE TRIP SETTING SHALL BE COORDINATED WITH NEW SERVICE ENTRANCE ATS MAIN BREAKER. PROVIDE COOPER CROUSE-HINDS SURGE SUPPRESOR MODEL #ZM17301. REFER TO SCHEDULE FOR SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
8. AS REFERENCED ON THE REMOVAL RISER NOTE #3 ON DRAWING E501, EXISTING PANEL "E" SHALL BE REMOVED AND RELOCATED TO NEW ELECTRICAL CLOSET IN NEW ADDITION. THE PANELBOARD WILL BE DESIGNATED AS PANEL "MP-2". PROVIDE NEW NAME PLATE. THIS CONTRACTOR SHALL REPLACE ALL THE EXISTING CIRCUIT BREAKERS WITH NEW, SIZED AS REFERENCED ON PANEL SCHEDULE. PROVIDE NEW 3P-100AMP CIRCUIT BREAKER IN NEW "MDB" TO FEED "MP-2" CONDUIT AND WIRE SIZED AS PER FEEDER SCHEDULE ON RISER.
9. EXISTING "MDP" DISTRIBUTION PANEL SHALL BE REFED, REFER TO FEEDER SCHEDULE, FROM NEW "MDB" WITH NEW 3P-350AMP CIRCUIT BREAKER. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
10. PROVIDE NEW 120/208V PANELBOARD. FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
11. PROVIDE NEW 150KW PROPANE GENERATOR SET AT 120/208V, 3 PHASE, 4 WIRE, WITH SOUND ATTENUATOR ENCLOSURE. PROVIDE CONCRETE PADDING SHALL BE PROVIDED BY SITE CONTRACTOR. COORDINATE ALL CONDUIT RUNS PRIOR THE START OF ANYWORK WITH SITE CONTRACTOR. THIS CONTRACTOR SHALL INSTALL ALL COMPONENTS AND WIRING AS PER MANUFACTURER REQUIREMENTS. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND VENDOR/MANUFACTURER CONTACT INFORMATION. REFER TO SITE AND FLOOR PLAN FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
12. NEW BRANCH CIRCUIT MP-2 #35, 37, 39, AND 41 (EACH CIRCUIT SHALL BE 2#10+1#10G) SHALL RUN IN NEW 1" SCHEDULE 40 CONDUIT FROM GENERATOR TO 5'-0" BEFORE ENTERING BUILDING. TRANSITION TO 1" RIGID GALVANIZED STEEL (RGS) CONDUIT 5'-0" BEFORE ENTERING BUILDING TO 5'-0" INTO BUILDING AND THEN TRANSITION TO 1" EMT CONDUIT TO INDICATED PANELBOARD. PROVIDE SEPARATE GROUND AND NEUTRAL FOR 120V CIRCUITS AND SEPARATE GROUND FOR 208V CIRCUIT. REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL UTILIZE LINK SEAL FOR THE EXTERIOR WALL PENETRATION.
13. PROVIDE 2#12, BELDEN 9729 AND DRAG WIRE IN 1"C FROM GENERATOR TO NEW ANNUNCIATOR. PROVIDE SCHEDULE 40 CONDUIT FROM GENERATOR TO 5'-0" BEFORE ENTERING BUILDING. TRANSITION TO 1" RIGID GALVANIZED STEEL (RGS) CONDUIT 5'-0" BEFORE ENTERING BUILDING TO 5'-0" INTO BUILDING AND THEN TRANSITION TO 1" EMT CONDUIT TO ANNUNCIATOR.
14. PROVIDE NEW ANNUNCIATOR AND INSTALL IN DISPATCH ROOM 104. COORDINATE WITH OWNER FOR THE EXACT MOUNTING LOCATION BEFORE THE START OF ANYWORK.
15. NOT USED.
16. PROVIDE TWO PAIR OF 2#12 FOR DC POWER AND BELDEN 9729 FULLY ISOLATED TWISTED PAIR CABLE WITH SHIELD FOR COMMUNICATION, 5#12 FROM CONTROL BOARD (3#12AWG WILL BE FOR GEN SET START/STOP AND 2#12AWG WILL BE SPARE) AND 2 PAIR OF 14AWG AND BELDEN 9729 FOR RUN RELAY. INSTALL ALL WIRING IN 1 1/4" SCHEDULE 40 CONDUIT FROM GENERATOR TO ATS.
17. PROVIDE TWO SETS OF 4#350KCMIL+1#1 GROUND IN 4" SCHEDULE 40 CONDUIT FROM GENERATOR TO ATS.

FIREHOUSE
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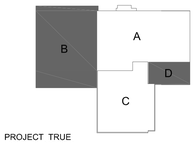

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Sheet Title
NEW POWER RISER DIAGRAM

Job No.	Date
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Sheet Number
E502

FIRE ALARM RISER GENERAL NOTES:

1. FIRE ALARM WIRING DIAGRAMS SHOWN ARE FOR GENERAL ARRANGEMENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY AND OBTAIN POINT TO POINT WIRING DIAGRAM PRIOR TO INSTALLATION FROM MANUFACTURER.

2. PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.

3. IN AREAS WHERE DUST AND DIRT WILL BE AIRBORNE DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE PLASTIC WRAP OVER SMOKE DETECTORS AND THEN REMOVE ONCE SPACE IS CLEAN.

   UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY):

   HORN WIRING – #16 AWG TWISTED
   STROBE WIRING – #14 AWG TWISTED
   SIGNAL WIRING – #14 AWG TWISTED/SHIELDED

   THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:
   A. A MINIMUM TEMPERATURE RATING OF 150 C
   B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS
   C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS
   D. THE COLOR OF THE CABLE SHALL BE RED
   E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE) WHEN CONDUIT IS USED. SEE NOTE 5 FOR ADDITIONAL CLARIFICATION.
   F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL.

4. CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR TO PURCHASING.

5. PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY AFC SERIES 1800 WHEN CABLE IS CONCEALED OR ABOVE HUNG CEILING. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN FINISHED AREAS, CABLE SHALL RUN IN WIREMOLD V–700. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. 3/4" CONDUIT.

6. STROBES SHALL HAVE A MINIMUM LIGHT OUTPUT OF 75 CANDELA AND A FLASH RATE OF 1–3 HZ.

7. WALL MOUNTED SPEAKER/STROBE UNITS SHALL NOT HAVE ANY OTHER DEVICES OR APPURTENANCES WITHIN 5 FEET OF THE DEVICE. THE ENTIRE LENS OF THE UNIT SHALL NOT BE LESS THAN 80", AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR, WHILE MAINTAINING 6" BELOW THE CEILING . DEVICES SHALL BE FLUSH MOUNTED IN ALL FINISHED AREAS. PROVIDE DOUBLE DEEP DEVICE BOX IN WALL.

8. SHUTDOWN OF HVAC SYSTEM EQUIPMENT (NOT LIMITED TO, ROOF TOP, EXHAUST FANS, ETC.) OF 1000 CFM OR GREATER, SHALL BE PERFORMED VIA A RELAY INTERFACE SYSTEM. SEND SIGNAL TO BUILDING AUTOMATED TEMPERATURE CONTROL (ATC) SYSTEM INDICATING SHUTDOWN HAS OCCURRED. EQUIPMENT RESTART SHALL BE BY BUILDING 'ATC' SYSTEM UPON FIRE ALARM RESET TO NORMAL MODE. RESTART OF EQUIPMENT SHALL BE SEQUENTIAL.

9. AFTER THE SYSTEM IS COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.

10. ALL PULL STATIONS SHALL BE PROVIDED WITH CLEAR PROTECTIVE LEXAN COVER. COVER SHALL BE AS MANUFACTURED BY SAFETY TECHNOLOGY INTERNATIONAL INC. CAT. #STI 1100 STOPPER II.

11. COORDINATE F.A WORK WITH F.A VENDOR.

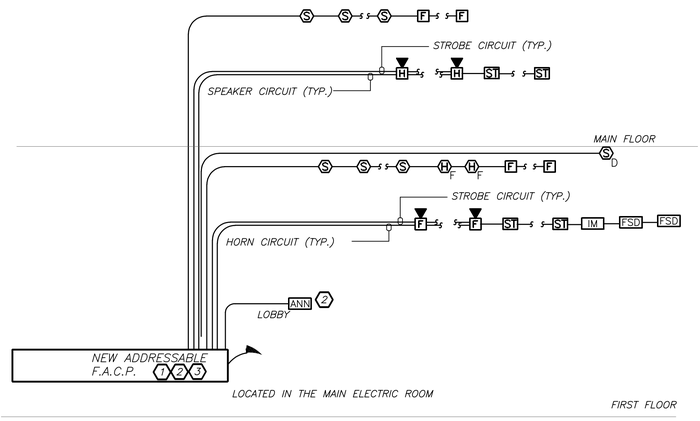
12. VERIFY EXACT QUANTITIES OF FIRE ALARM DEVICES WITH PLANS.

13. ALL DEVICES SHALL BE SUPERVISED AS PER N.F.P.A. 72. PROVIDE END OF LINE RESISTORS AS REQUIRED PER INDIVIDUAL MANUFACTURER. PROVIDE LOAD RELAYS AS REQUIRED FOR PROPER OPERATION OF EQUIPMENT.

14. PROVIDE WIRE GUARDS FOR ALL FIRE ALARM DEVICES LOCATED IN MECHANICAL EQUIPMENT ROOMS.

15. THIS CONTRACTOR IS RESPONSIBLE FOR ALL PROGRAMMING AND MAPPING OF EACH DEVICE AS REQUIRED.

16. ELECTRICAL CONTACTOR IS RESPONSIBLE FOR PROVIDING POWER AT ALL POWER SUPPLIES AND TERMINAL CABINETS. PROVIDE POWER FROM THE NEAREST POWER PANEL WITH A SPARE/SPACE AVAILABLE.



FIRE ALARM RISER WORK NOTES:

1. CONTRACTOR TO REPLACE EXISTING FIRE ALARM SYSTEM WITH NEW SIEMENS HEAD END FIRE ALARM CONTROL PANEL (F.A.C.P.). CONNECT EXISTING LOOPS/ADDRESSES ONTO NEW EST3 HEAD END AND PROVIDE NEW WIRING TO CONNECT TO NEW DEVICES SHOWN ON DRAWING.

2. PROVIDE NEW BUILDING LAYOUT WALL PLAQUE INDICATING ALL THE FIRE ALARM DEVICE LOCATIONS WITH DEVICE ADDRESSES. WALL PLAQUE SHALL BE INSTALLED ABOVE ANNUNCIATOR AT MAIN ENTRANCE. COORDINATE WITH BUILDING OWNER AND ARCHITECT FOR ALL ROOM NAMES AND ROOM NUMBERS BEFORE PROGRAMMING FIRE ALARM CONTROL PANEL.

3. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL (2) DEDICATED TELEPHONE LINES TO FIRE ALARM CONTROL PANEL FROM MAIN TELEPHONE CLOSET AS REQUIRED.

FIRE ALARM RISER DIAGRAM

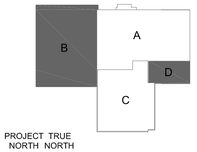
1 / E503 N.T.S.

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

KG+D listen imagine build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
39 MARBLE AVE PLEASANTVILLE, NY 10570
PHONE: 914.328.6060 FAX: 914.328.5304 General@BGA-Engr.com



KEY PLAN

Professional Seal

No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

FIRE ALARM RISER

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: BGA / BGA

Sheet Number

E503

Branch Panel: PP-1

Location: ELEC/IT ROOM 007
Supply From: MDB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 150 A
MCB Rating: 150 A

Notes: NEW PANELBOARD

CKT	TRIP	Circuit Description	Wire Size	Conduit Size	A	B	C	A	B	C	Conduit Size	Wire Size	Circuit Description	TRIP	CKT
1	20 A	RECEP DATA	2#12+1#12G	3/4"	180 VA			180 VA			3/4"	2#12+1#12G	RECEP DATA	20 A	2
3	20 A	RECEP DATA	2#12+1#12G	3/4"		180 VA			360 VA		3/4"	2#12+1#12G	Receptacle	20 A	4
5	20 A	KIT RECEP	2#12+1#12G	3/4"			180 VA			1680 VA	3/4"	2#12+1#12G	MICROWAVE	20 A	6
7	20 A	LIGHTING	2#12+1#12G	3/4"	127 VA			330 VA			3/4"	2#12+1#12G	LIGHTING	20 A	8
9	20 A	TOASTER	2#12+1#12G	3/4"		1800 VA			255 VA		3/4"	2#12+1#12G	LIGHTING	20 A	10
11	20 A	CORD REEL	2#12+1#12G	3/4"			180 VA			180 VA	3/4"	2#12+1#12G	CORD REEL	20 A	12
13	20 A	CORD REEL	2#12+1#12G	3/4"	180 VA			180 VA			3/4"	2#12+1#12G	CORD REEL	20 A	14
15	20 A	CORD REEL	2#12+1#12G	3/4"		180 VA			180 VA		3/4"	2#12+1#12G	RECEPTACLES	20 A	16
17	20 A	RECEP	2#12+1#12G	3/4"			180 VA			720 VA	3/4"	2#12+1#12G	AV	20 A	18
19	20 A	RECEP	2#12+1#12G	3/4"	1080 VA			180 VA					SPARE	20 A	20
21	20 A	FSD	2#12+1#12G	3/4"		240 VA			180 VA		3/4"	2#12+1#12G	CORD REEL	20 A	22
23	20 A	CORD REEL	2#12+1#12G	3/4"			180 VA			180 VA	3/4"	2#12+1#12G	CORD REEL	20 A	24
25	20 A	KIT RECEP	2#12+1#12G	3/4"	180 VA			180 VA			3/4"	2#12+1#12G	RECEPTACLES	20 A	26
27	20 A	GAS DETECTOR	2#12+1#12G	3/4"		180 VA			257 VA		3/4"	2#12+1#12G	LIGHTING	20 A	28
29	20 A	FREEZER	2#12+1#12G	3/4"			780 VA			960 VA	3/4"	2#12+1#12G	REFRIGERATOR	20 A	30
31	20 A	GEN KIT RECEP	2#12+1#12G	3/4"	600 VA			500 VA			3/4"	2#12+1#12G	HOOD LIGHT	20 A	32
33	20 A	COUNTER RECEP	2#12+1#12G	3/4"		996 VA			996 VA		3/4"	2#12+1#12G	COUNTER RECEP	20 A	34
35	20 A	Spare					0 VA			0 VA			Spare	20 A	36
37	20 A	Spare			0 VA			0 VA					Spare	20 A	38
39	20 A	OUTDOOR RECEPT	2#12+1#12G	3/4"		180 VA			0 VA				Spare	20 A	40
41	20 A	Spare					0 VA			0 VA			Spare	20 A	42
43	20 A	FIRE SUPPRESION	2#12+1#12G	3/4"	500 VA			0 VA					Spare	20 A	44
45	0 A	Shunt trip				0 VA			720 VA		3/4"	2#12+1#12G	Receptacle	20 A	46
47	20 A	GAS VALVE	2#12+1#12G	3/4"			500 VA			1080 VA	3/4"	2#12+1#12G	Receptacle	20 A	48
49	20 A	Receptacle	2#12+1#12G	3/4"	900 VA			180 VA			3/4"	2#12+1#12G	CORD REEL	20 A	50
51	20 A	Other	2#12+1#12G	3/4"		449 VA			0 VA				Spare	20 A	52
53	20 A	Spare					0 VA			0 VA			Spare	20 A	54
55	20 A	Spare			0 VA			0 VA					Spare	20 A	56
57	20 A	Spare				0 VA			0 VA				Spare	20 A	58
59	20 A	Spare					0 VA			0 VA			Spare	20 A	60
61	20 A	Spare			0 VA			0 VA					Spare	20 A	62
63	20 A	Spare				0 VA			0 VA				Spare	20 A	64
65	20 A	Spare					0 VA			0 VA			Spare	20 A	66
67	20 A	Spare			0 VA			0 VA					Spare	20 A	68
69	20 A	Spare				0 VA			0 VA				Spare	20 A	70
71	20 A	Spare					0 VA			0 VA			Spare	20 A	72
73	20 A	Spare			0 VA			0 VA					Spare	20 A	74
75	20 A	Spare				0 VA			0 VA				Spare	20 A	76
77	20 A	Spare					0 VA			0 VA			Spare	20 A	78
79	20 A	Spare			0 VA			0 VA					Spare	20 A	80
81	20 A	Spare				0 VA			0 VA				Spare	20 A	82
83															84
		SUBTOTAL			5477 VA		7153 VA		6800 VA						

Legend:

PANEL TOTALS		Load Classification	Connected Load (VA)		Estimated Demand (VA)
		Motor	7812 VA		7812 VA
Total Conn. Load:	19430 VA	Other	770 VA		770 VA
Total Est. Demand:	19430 VA	Receptacle	3780 VA		3780 VA
Total Conn.	54 A	Power	240 VA		240 VA
Total Est. Demand:	54 A	Lighting	648 VA		648 VA
		Total Connected Load	6180 VA		6180 VA

Notes:

Branch Panel: MDP

Location: ELEC/IT ROOM 007
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 300 A

Notes: EXISTING PANELBOARD

CKT	TRIP	Circuit Description	Wire Size	Conduit Size	A	B	C	A	B	C	Conduit Size	Wire Size	Circuit Description	TRIP	CKT
1	20 A	EXISTING			0 VA			0 VA					EXISTING	20 A	2
3	20 A	EXISTING				0 VA			0 VA				EXISTING	20 A	4
5	20 A	EXISTING					0 VA			0 VA			EXISTING	20 A	6
7	20 A	EXISTING			0 VA			0 VA					EXISTING	20 A	8
9	20 A	EXISTING				0 VA			0 VA				EXISTING	20 A	10
11	20 A	EXISTING					0 VA			0 VA			EXISTING	20 A	12
13	20 A	EXISTING			0 VA			0 VA					EXISTING	20 A	14
15	20 A	EXISTING				0 VA			0 VA				EXISTING	20 A	16
17	20 A	EXISTING					0 VA			841 VA					18
19	20 A	EXISTING			0 VA			841 VA			3/4"	3#12+1#12G	LAUNDRY PUMP	20 A	20
21	20 A	EXISTING				0 VA			841 VA						22
23	20 A	EXISTING					0 VA			1381 VA					24
25	20 A	EXISTING			0 VA			1381 VA			3/4"	3#12+1#12G	WASHER	20 A	26
27	20 A	EXISTING				0 VA			1381 VA						28
29	20 A	Spare					0 VA			3963 VA					30
31	20 A	Spare			0 VA			3963 VA			1"	3#6+1#8G	DRYER	40 A	32
33	20 A	Spare				0 VA			3963 VA						34
35	20 A	Spare					0 VA			5958 VA					36
37					1501 VA			5958 VA			11/4"	3#4+1#8G	DISHWASHER	70 A	38
39	20 A	PP-3A	3#8+1#8G	3/4"		1501 VA			5958 VA						40
41							1501 VA			0 VA			Spare	20 A	42
		SUBTOTAL			13644 VA		13644 VA		13644 VA						

Legend:

PANEL TOTALS		Load Classification	Connected Load (VA)		Estimated Demand (VA)
		Motor	40932 VA		40932 VA
Total Conn. Load:	40932 VA				
Total Est. Demand:	40932 VA				
Total Conn.	114 A				
Total Est. Demand:	114 A				

Notes:

Branch Panel: MP -1

Location: STORAGE 013
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 250 A

Notes: NEW PANELBOAD. IF ALTERNATE IS ACCEPTED PANELBOARD IS LOCATED IN RM 010

CKT	TRIP	Circuit Description	Wire Size	Conduit Size	A	B	C	A	B	C	Conduit Size	Wire Size	Circuit Description	TRIP	CKT
1					1801 VA			360 VA			3/4"	2#12+1#12G	CABINET HEATER	20 A	2
3	30 A	CU-5 (EXIST)	3#10+1#10G	3/4"		1801 VA			360 VA		3/4"	2#12+1#12G	MA-1	20 A	4
5							1801 VA			360 VA					6
7					1417 VA			480 VA			3/4"	2#12+1#12G	CHA	20 A	8
9	20 A	CU-3 (EXIST)	3#12+1#12G	3/4"		1417 VA			720 VA		3/4"	2#12+1#12G	EF-3	20 A	10
11							1417 VA			1801 VA					12
13	50 A	HP-1	2#8+1#10G	1"	3600 VA			1801 VA			3/4"	3#10+1#10G	CU-2 (EXIST)	20 A	14
15						3600 VA			1801 VA						16
17							2979 VA			1801 VA					18
19	40 A	HOT WATER BOOSTER	3#8+1#10G	3/4"	2979 VA			1801 VA			3/4"	3#10+1#10G	CU-4 (EXIST)	30 A	20
21						2979 VA			1801 VA						22
23							1801 VA			1976 VA					24
25	30 A	CU-1 (EXIST)	3#10+1#10G	3/4"	1801 VA			1976 VA			3/4"	2#10+1#10G	DSO-1	30 A	26
27						1801 VA			1976 VA						28
29	20 A	MEZZ RECEP	2#12+1#12G	3/4"			720 VA			1976 VA	3/4"	2#10+1#10G	DSO-2	30 A	30
31	20 A	EF-5	2#12+1#12G	3/4"	480 VA			480 VA			3/4"	2#12+1#12G	EF-6	20 A	32
33	20 A	FC-A	2#12+1#12G	3/4"		624 VA			360 VA		3/4"	2#12+1#12G	EF-4	20 A	34
35							624 VA			0 VA			Spare	20 A	36
37	20 A	Spare			0 VA			0 VA					Spare	20 A	38
39	20 A	Spare				0 VA			0 VA				Spare	20 A	40
41	20 A	Spare					0 VA			0 VA			Spare	20 A	42
43	20 A	Spare			0 VA			0 VA					Spare	20 A	44
45	20 A	Spare				0 VA			0 VA				Spare	20 A	46
47	20 A	Spare					0 VA			0 VA			Spare	20 A	48
49	20 A	Spare			0 VA			0 VA					Spare	20 A	50
51	20 A	Spare				0 VA			0 VA				Spare	20 A	52
53										0 VA			Spare	20 A	54
		SUBTOTAL			18978 VA			19242 VA		17258 VA					

Legend:

PANEL TOTALS		Load Classification	Connected Load (VA)		Estimated Demand (VA)
		Motor	54757 VA		54757 VA
Total Conn. Load:	55477 VA	Receptacle	720 VA		720 VA
Total Est. Demand:	55477 VA				
Total Conn.	154 A				
Total Est. Demand:	154 A				

Notes:

Branch Panel: MP-2

Location: ELEC 006
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes: EXISTING PANELBOARD.

CKT	TRIP	Circuit Description	Wire Size	Conduit Size	A	B	C	A	B	C	Conduit Size	Wire Size	Circuit Description	TRIP	CKT
1	20 A	UH	2#12+1#12G	3/4	840 VA			1352 VA			3/4	2#10+1#10G	EF-1	30 A	2
3	20 A	CIRC PUMP	2#12+1#12G	3/4		240 VA			1352 VA						4
5	20 A	FOP	2#12+1#12G	3/4			1644 VA			480 VA	3/4	2#12+1#12G	DWH-1	20 A	6
7	0 A	SHUNT TRIP *			0 VA			480 VA			3/4	2#12+1#12G	CP	20 A	8
9	20 A	BOILER 1	2#12+1#12G	3/4		768 VA			768 VA		3/4	2#12+1#12G	BOILER 2	20 A	10
11							768 VA			768 VA					12
13	0 A	SHUNT TRIP *			0 VA			0 VA					SHUNT TRIP *	0 A	14
15	20 A	BOILER CTRL PNL	2#12+1#12G	3/4		180 VA			444 VA						16
17							180 VA			444 VA	3/4	3#12+1#12G	HWP-1	20 A	18
19					630 VA			444 VA							20
21	20 A	HWP-3	3#12+1#12G	3/4		630 VA			630 VA						22
23							630 VA			630 VA	3/4	3#12+1#12G	HWP-4	20 A	24
25					450 VA			630 VA							26
27	20 A	HWP-2	3#12+1#12G	3/4		450 VA			120 VA		3/4	2#12+1#12G	EF-7 &8	20 A	28
29							450 VA			1140 VA	3/4	2#12+1#12G	UH	20 A	30
31					2402 VA			416 VA			3/4	2#12+1#12G	EF-2	20 A	32
33	30 A	ERU-1	3#10+1#10G	3/4		2402 VA			416 VA						34
35							2402 VA			180 VA	3/4	2#12+1#12G	BLOCK HEATER	20 A	36
37	20 A	Spare			0 VA			180 VA			3/4	2#12+1#12G	BATTERY CHARGER	20 A	38
39	20 A	Spare				0 VA			180 VA		3/4	2#12+1#12G	GFI RECEPTACLE	20 A	40
41	20 A	Spare					0 VA			180 VA	3/4	2#12+1#12G	ATS ACCESSORY	20 A	42
		SUBTOTAL			7825 VA		8581 VA		9897 VA						

Legend:

PANEL TOTALS		Load Classification	Connected Load (VA)		Estimated Demand (VA)
		Motor	25584 VA		25584 VA
Total Conn. Load:	26304 VA	Total Connected Load	720 VA		720 VA
Total Est. Demand:	26304 VA				
Total Conn.	73 A				
Total Est. Demand:	73 A				

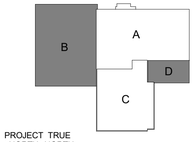
Notes: * SHUNT TRIP BREAKER
CONTRACTOR SHALL FURNISH ALL CIRCUIT BREAKER AS SHOWN IN THIS PANELBOARD

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

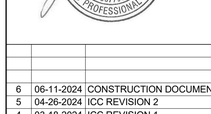
BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
39 MARBLE AVE. PLEASANTVILLE, NY 10570
PHONE: 914.328.6060 FAX: 914.328.9304 Getemail@BGA-Eng.com



PROJECT NORTH TRUE NORTH

KEY PLAN

Professional Seal



No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

ELECTRICAL SCHEDULES

Job No.	Date
2330.00	03/19/24
Scale	Drawn / Checked
AS NOTED	Author

Sheet Number

E601

LIGHT FIXTURE SCHEDULE

TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
A1	RECESSED CEILING MOUNTED	31W LED UNV	2X2 LED TYPE RECESSED FIXTURE. 3400 LUMENS. 35K COLOR TEMPERATURE.	MANUFACTURER: MERCURY LIGHTING PART# LR15-22G-3400-35K-1-UNI-EM5-FLX
A1 EM	RECESSED CEILING MOUNTED	31W LED UNV	SAME AS "A1"EXCEPT WITH INTEGRAL BATTERY PACK.	MANUFACTURER: MERCURY LIGHTING PART# LR15-22G-3400-35K-1-UNI-EM5-FLX
A2	RECESSED CEILING MOUNTED	24W LED UNV	10" DIAMETER, LED TYPE RECESSED DOWNLIGHTING. STAINLESS STEEL FINISH.	MANUFACTURER: WE-EF LIGHTING PART# ETC130-GB
A2 EM	RECESSED CEILING MOUNTED	24W LED UNV	SAME AS "A2" EXCEPTWITH INTGRAL BATTERY PACK.	MANUFACTURER: WE-EF LIGHTING PART# ETC130-GB
A2a	RECESSED CEILING MOUNTED	24W LED UNV	10" DIAMETER, LED TYPE RECESSED DOWNLIGHTING. STAINLESS STEEL FINISH. WITH OUTDOOR COVER.	MANUFACTURER: WE-EF LIGHTING PART# ETC130-GB
A4	RECESSED CEILING MOUNTED	15W LED UNV	4" SQUARE RECESSED LED TYPE FIXTURE. 4000K COLOR TEMPERATURE.WHITE TRIM FINISH. 1440 LUMENS.	MANUFACTURER: CSL PART# A4-40-90-WT-ST-WT
L1	SURFACE CEILING MOUNTED	18W LED UNV	4' SURFACE MOUNTED LED TYPE FIXTURE. 3000K COLOR TEMPERATURE. 1820 LUMENS.	MANUFACTURER: BAS0 2.5 PART# BASO2.5-SUR-WHITE-OP-30K-C80-UNV-0105-0455LF-ST-48IN
L1 EM	SURFACE CEILING MOUNTED	18W LED UNV	SAME AS "L1" EXCEPT WITH INGRAL BATTERY PACK.	MANUFACTURER: BAS0 2.5 PART# BASO2.5-SUR-WHITE-OP-30K-C80-UNV-0105-0455LF-EMP-ST -48IN
L2	SURFACE CEILING MOUNTED	30W LED UNV	4' SURFACE MOUNTED LED TYPE FIXTURE. 3000K COLOR TEMPERATURE. 3640 LUMENS.	MANUFACTURER: BAS0 2.5 PART# BASO2.5-SUR-WHITE-OP-30K-C80-UNV-0105-0750LF-ST-48IN
L2 EM	SURFACE CEILING MOUNTED	30W LED UNV	SAME AS "L2" EXCEPT WITH INTEGRAL BATTERY PACK.	MANUFACTURER: BAS0 2.5 PART# BASO2.5-SUR-WHITE-OP-30K-C80-UNV-0105-00750LF-EMP-ST -48IN
EL1	SURFACE WALL MOUNTED	20W LED UNV	7" LED TYPE WALL SCONCE/ 1800 LUMENS. MATTE BLACK FINISH.90 CRI. 3500K COLOR TEMPERATURE.	MANUFACTURER: LEVITON PART# CY3S3
EL2	SURFACE WALL MOUNTED	27W LED UNV	EXTERIOR GRADE LED TYPEW WALL SCONCE, 2700 LUMENS, 300K COLOR TEMPERATURE. 24" REFLECTOR. ANTHRACITE FINISH	MANUFACTURER: BRUCK PART# IP65-LM-79
FL	SURFACE WALL MOUNTED	34W LED UNV	BUILDING MOUNTED FLOOR LIGHTING. 4000 LUMENS, 5000K COLOR TEMPERATURE. BRONZE FINISH	MANUFACTURER: CF SERIES PART# CFS-36W-U-50-N76/S-BRZ
EXIT LIGHT	SURFACE WALL/CEILING MOUNTED	5W LED 120V	L.E.D. TYPE EXIT LIGHT, STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE EMERGENCY BATTERY PACK.	MANUFACTURER: COOPER LIGHTING ATLITE CAT.# XLN1-6-S-R-1/2U

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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39 MARBLE AVE PLEASANTVILLE, NY 10570
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KEY PLAN

Professional Seal

No.	Date	Issue
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1	07-29-2023	SCHEMATIC DESIGN

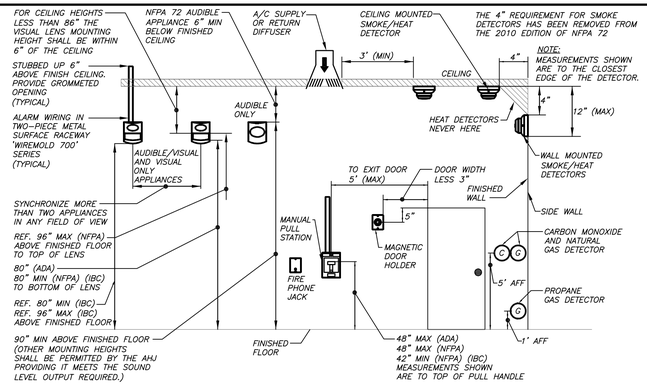
Sheet Title

LIGHTING SCHEDULE

Job No.	Date
2330.00	03/19/24
Scale: AS NOTED	Drawn / Checked: Author

Sheet Number

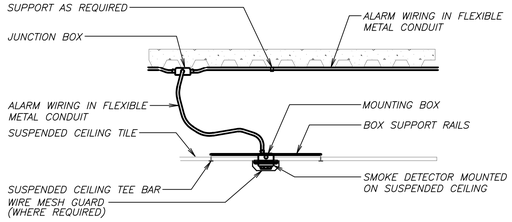
E602



DEVICE MOUNTING HEIGHT REFERENCE (PER NFPA 72)

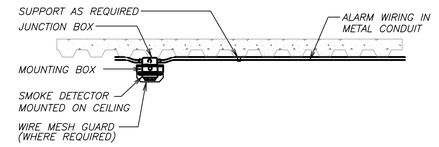
FIRE ALARM DEVICES – MOUNTING DETAIL

5 / E701 — N.T.S.



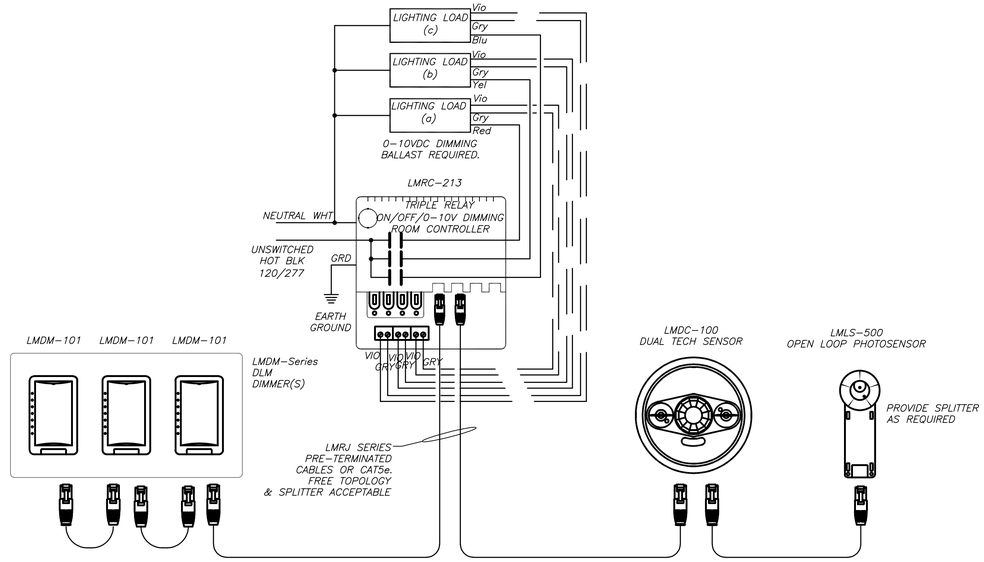
TYPICAL SMOKE DETECTOR MOUNTING DETAIL (SUSPENDED CEILING)

1 / E701 — N.T.S.



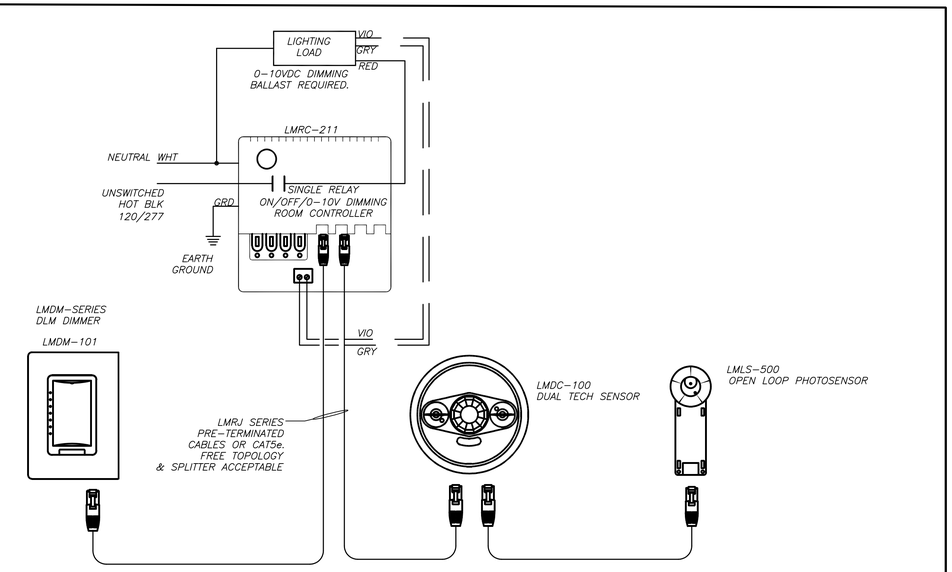
TYPICAL SMOKE DETECTOR MOUNTING DETAIL (HARD CEILING)

2 / E701 — N.T.S.



MULTI ZONE LIGHTING CONTROL WITH DIMMING AND DAYLIGHT SENSORS

4 / E701 — NO SCALE



ONE ZONE LIGHTING CONTROL WITH DIMMING AND DAYLIGHT SENSORS

3 / E701 — NO SCALE

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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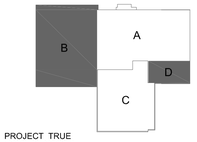
PHONE: 914.528.6060 FAX: 914.528.5304 General@BGA-Engineers



PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

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Sheet Title

ELECTRICAL DETAILS

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Scale: AS NOTED	Drawn / Checked: BGA / BGA

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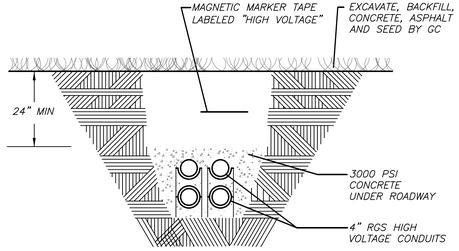
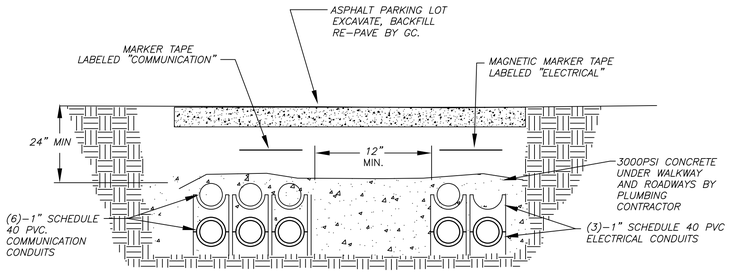
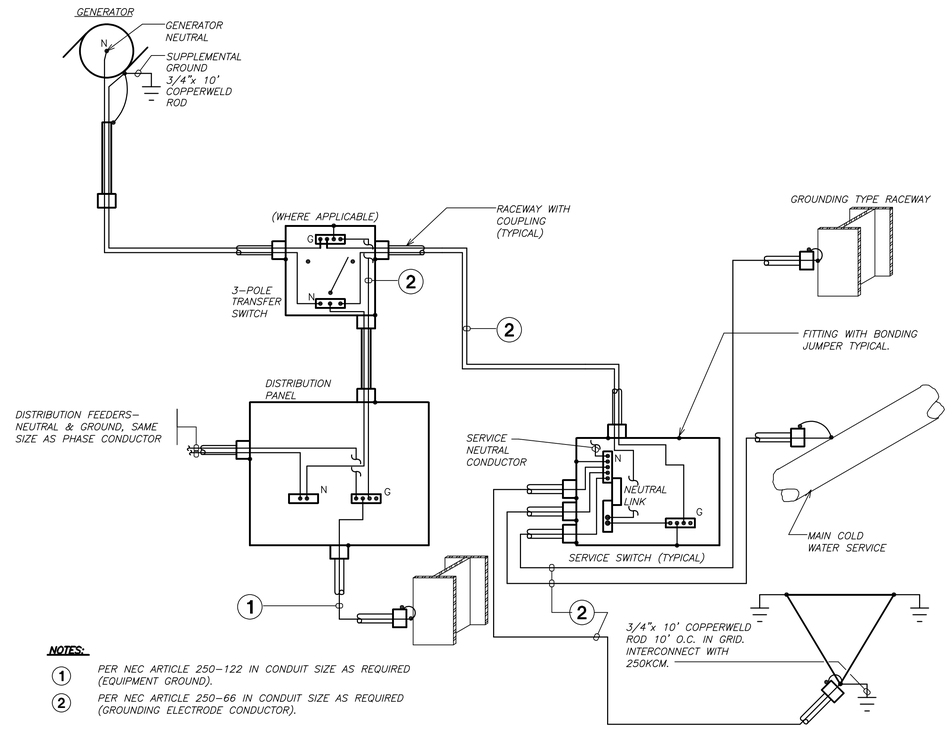
E701



HIGH VOLTAGE TRENCH DETAIL 3/E702 N.T.S.



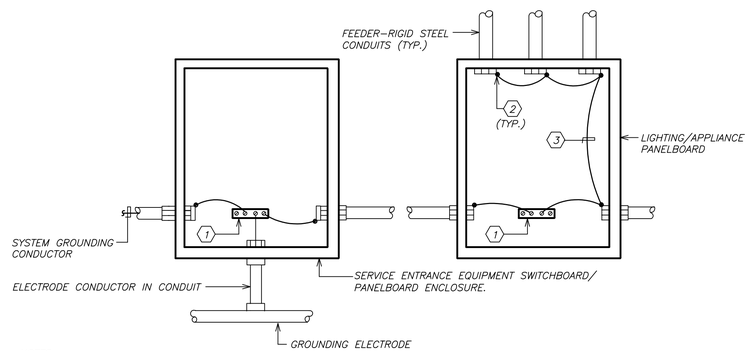
ELECTRICAL/COMMUNICATION TRENCH DETAIL 4/E702 N.T.S.



NOTES:

1. PER NEC ARTICLE 250-122 IN CONDUIT SIZE AS REQUIRED (EQUIPMENT GROUND).
2. PER NEC ARTICLE 250-66 IN CONDUIT SIZE AS REQUIRED (GROUNDING ELECTRODE CONDUCTOR).

SCHEMATIC SERVICE GROUNDING SYSTEM 1/E702 N.T.S.



NOTES:

1. PANELBOARD GROUND BUS
2. GROUNDING BUSHING
3. GROUNDING CONDUCTOR

RACEWAY EQUIPMENT GROUNDING SYSTEM 2/E702 N.T.S.

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
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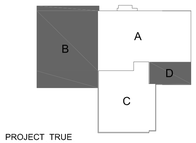

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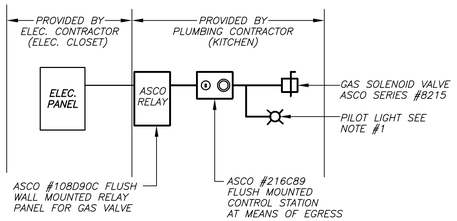
E702



NOTES:

1. PILOT LIGHT SHALL BE WALL MOUNTED ADJACENT TO CONTROL STATION. IT SHALL BE BE SIMILAR TO ABB #CBK-KLRL1 AND BLUE IN COLOR. PROVIDE STAINLESS STEEL COVER PLATE WITH PERMANENT TYPE-WRITTEN LABEL STATING "KITCHEN GAS".

2. OPERATION OF CONTROL STATION SHALL BE AS FOLLOWS:

   a) TURNING OF KEY SWITCH IN ONE DIRECTION SHALL ENERGIZE POWER TO GAS VALVE IN KITCHEN AND ILLUMINATE REMOTE WALL MOUNTED PILOT LIGHT. TURNING OF SWITCH IN OPPOSITE DIRECTION SHALL DE-ENERGIZE POWER AND CLOSE THE GAS VALVE AND TURN PILOT LIGHT OFF.

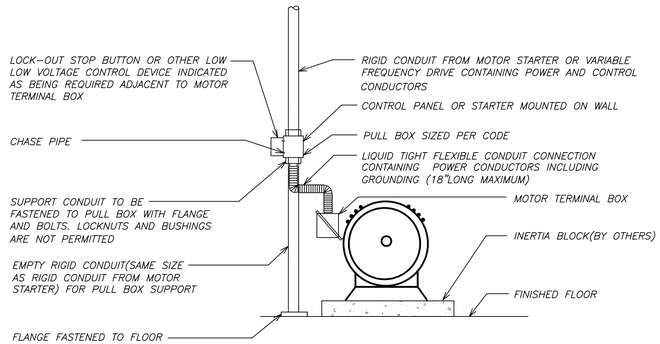
   b) OPERATION OF PUSH BUTTON AT CONTROL STATION SHALL DE-ENERGIZE POWER AND CLOSE GAS VALVE AND TURN PILOT LIGHT OFF. POWER TO VALVE SHALL NOT BE RESTORED UNTIL KEY SWITCH IS ACTIVATED AGAIN.

   PROVIDE ALL NECESSARY RELAYS, CONTACTS WIRING, ETC. FOR THE COMPLETE OPERATION AS LISTED ABOVE.

3. THIS ARRANGEMENT PROVIDES ADDITIONAL SAFETY IN THE EVENT OF A FIRE. AUTOMATIC GAS SHUT OFF (BY OTHERS) IS STILL REQUIRED WHEN HOOD FIRE SUPRESSION SYSTEM IS ACTIVATED.

KITCHEN GAS VALVE WIRING AND CONTROL DETAIL

7 / E703 N.T.S.

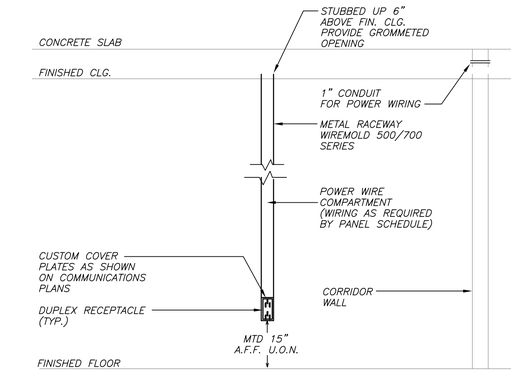


NOTE:

1. MOTOR SHALL BE MOUNTED BY OTHERS AND WIRED BY ELECTRICAL CONTRACTOR.

FLOOR MOUNTED MOTOR CONNECTION SYSTEM DETAIL

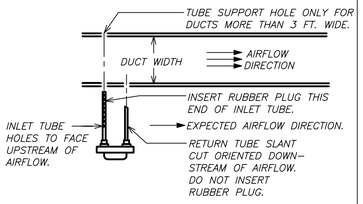
4 / E703 N.T.S.



POWER DROP FOR ALL EXISTING WALLS

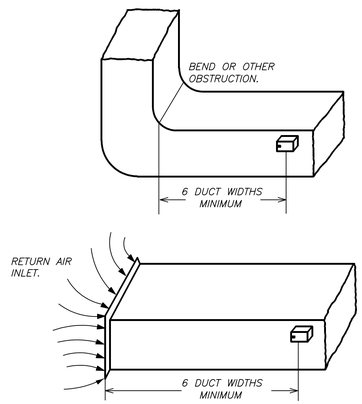
1 / E703 N.T.S.

INLET TUBE ORIENTATION



INLET TUBE ORIENTATION

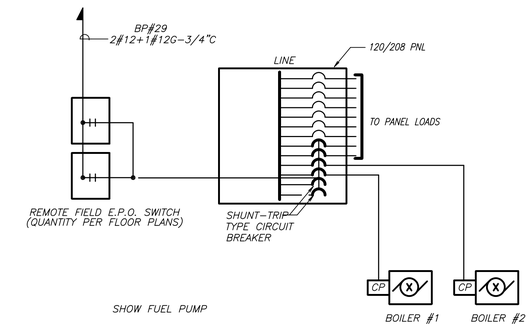
6 / E703 N.T.S.



NOTE:
1. PROVIDE DUCT DETECTOR ON RETURN SIDE OF DUCT WORK FOR UNITS GREATER THAN 2000CFM AS PER INTERNATIONAL CODE 606.2.1.
2. FOR UNITS GREATER THAN 15,000CFM SERVING MULTIPLE FLOORS PROVIDE DUCT DETECTOR ON EACH FLOOR WHERE IT PENETRATES AS PER INTERNATIONAL CODE 606.2.3.

TYPICAL DUCT DETECTOR PLACEMENT ON RETURN SIDE OF DUCT.

5 / E703 N.T.S.



NOTES:

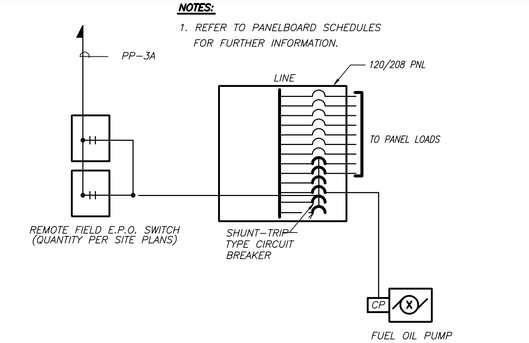
1. REFER TO PANELBOARD SCHEDULES FOR FURTHER INFORMATION.

BOILER EMERGENCY SHUNT TRIP SHUTDOWN DIAGRAM

2 / E703 N.T.S.

NOTES:

1. REFER TO PANELBOARD SCHEDULES FOR FURTHER INFORMATION.



FUEL OIL PUMP SHUNT TRIP SHUTDOWN DIAGRAM

3 / E703 N.T.S.

FIREHOUSE
ADDITIONS & ALTERATIONS

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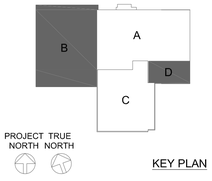
CONSULTING ENGINEERS
39 MARBLE AVE PLEASANTVILLE, NY 10570
PHONE: 914.328.6060 FAX: 914.328.5304 General@BGA-Engineers



PROJECT TRUE NORTH NORTH

KEY PLAN

Professional Seal

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Sheet Title

ELECTRICAL DETAILS

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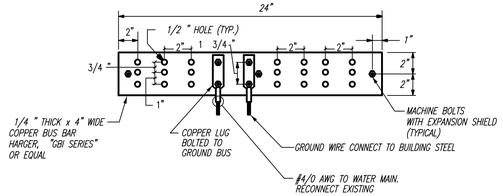
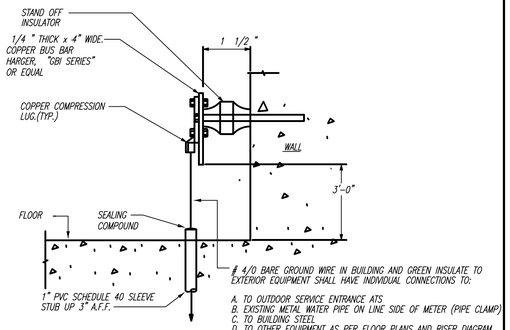
Sheet Number

E703

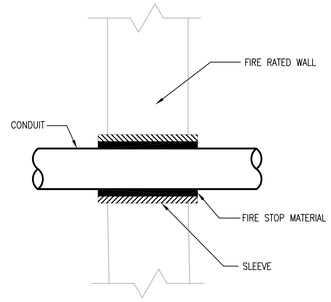


FRONT VIEW



SIDE VIEW

GROUNDING BUS COPPER DETAIL — 3 / E704

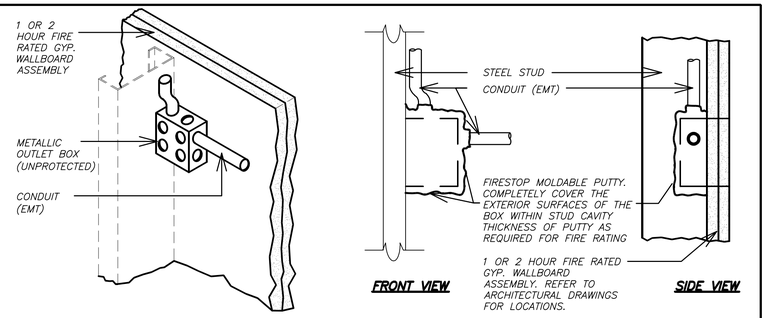


CONDUIT PENETRATION THRU FIRE RATED WALL

NOTES:

1. USE WHERE CONDUITS PASS THRU FIRE RATED WALL.
2. WHERE CONDUITS PASS THRU CONCRETE BEAM, BRICK WALL, OR WATER PROOF FLOORS, USE PIPE SLEEVES.

CONDUIT PENETRATION DETAILS — 1 / E704



FRONT VIEW **SIDE VIEW**

NOTES:

1. CLEARANCE BETWEEN OUTLET BOX AND WALL BOARD 1/8" MAX.
2. PROVIDE FIRE STOPPING IF:
   A. THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLET OR SWITCH BOXES EXCEEDS 16 SQ. INCHES.
   B. THE AGGREGATE SURFACE AREA OF THE BOXES EXCEEDS 100 SQ. INCHES PER 100 SQ. FT. OF WALL SURFACE.
3. BOXES LOCATED ON OPPOSITE SIDE OF WALLS OR PARTITIONS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24". MINIMUM DISTANCE SEPARATION MAY BE REDUCED WHEN OPENING PROTECTIVE MATERIAL ARE INSTALLED TO THE REQUIREMENTS OF THEIR CLASSIFICATION.
4. USE THE APPROPRIATE FIRESTOPPING PUTTY FOR METALLIC OR NON–METALLIC OUTLET BOXES RESPECTIVELY.

DETAIL OF WALL BOX FIRE PROTECTION — 2 / E704

FIREHOUSE
ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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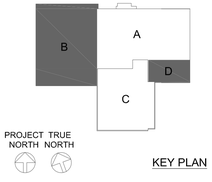

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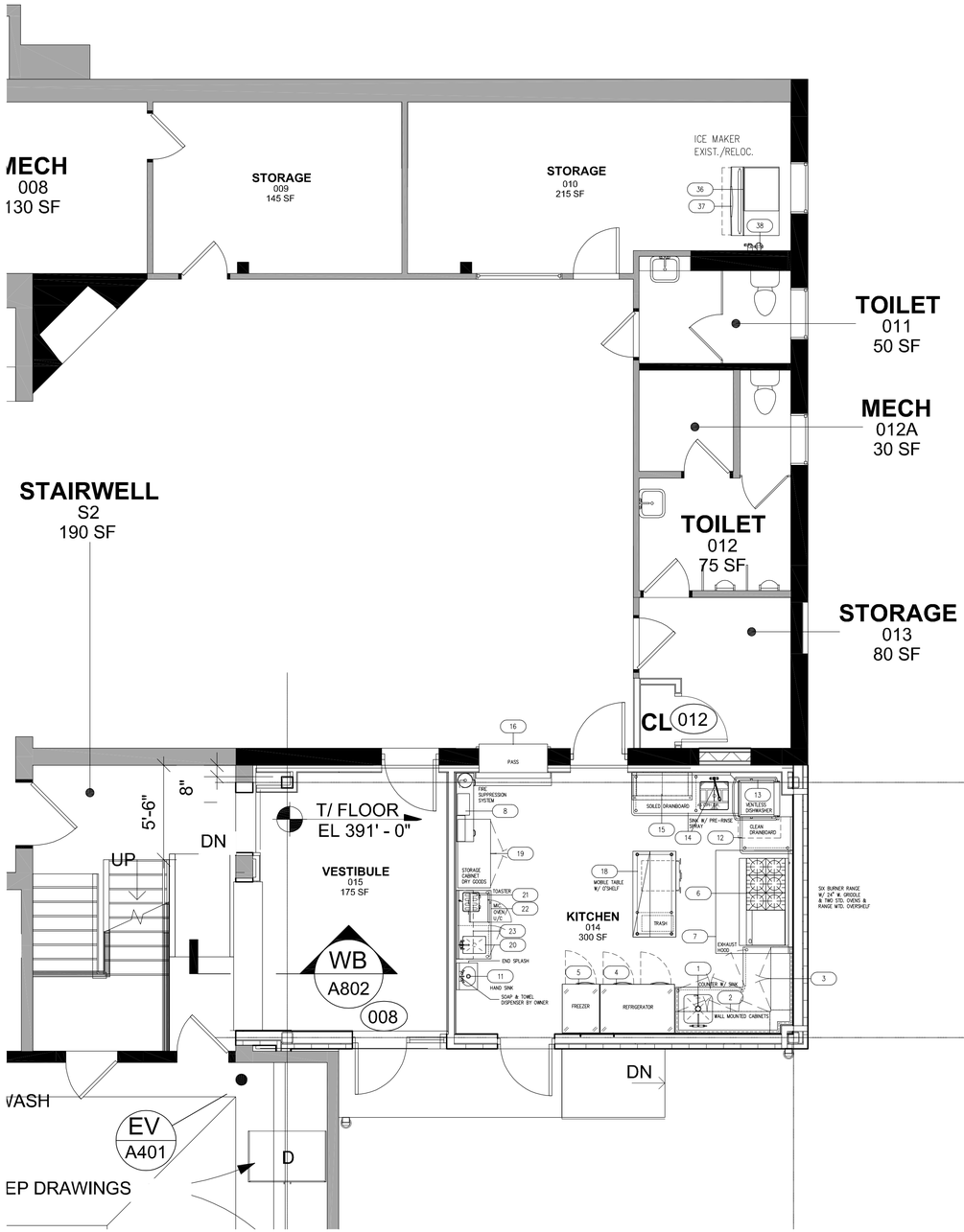
E704



FOODSERVICE EQUIPMENT SCHEDULE				
ITEM NO	QTY	ITEM NAME	REMARKS	ITEM NO
1	1	COUNTER W/SINK		1
2	1	WALL CABINET		2
3	1	WALL CABINET		3
4	1	REACH-IN REFRIGERATOR		4
5	1	REACH-IN FREEZER		5
6	1	RANGE, 60", 6 BURNERS, 24" GRIDDLE		6
7	1	EXHAUST HOOD, TAPERED		7
8	1	FIRE SUPPRESSION SYSTEM		8
9		SPARE NUMBER		9
10		SPARE NUMBER		10
11	1	HAND SINK	SOAP & TOWEL DISPENSER BY OWNER	11
12	1	DISHTABLE, CLEAN		12
13	1	DISHWASHER, DOOR TYPE, VENTLESS		13
14	1	SOILED DISHTABLE W/PRE-RINSE SINK		14
15	1	RACK SHELF, SOILED, WALL-MOUNTED		15
16	1	WINDOW FRAME		16
17		SPARE NUMBER		17
18	1	TABLE, ISLAND		18
19	1	STORAGE CABINET	MANDATORY ALTERNATE: SECURITY CAGE	19
20	1	COUNTER W/ SINK		20
21	1	POP-UP TOASTER		21
22	1	MICROWAVE OVEN		22
23	1	SHELF, WALL MOUNTED		23
24		SPARE NUMBER		24
25		SPARE NUMBER		25
26		SPARE NUMBER		26
27		SPARE NUMBER		27
28		SPARE NUMBER		28
29		SPARE NUMBER		29
30		SPARE NUMBER		30
31		SPARE NUMBER		31
32		SPARE NUMBER		32
33		SPARE NUMBER		33
34		SPARE NUMBER		34
35		SPARE NUMBER		35
36	1	ICE MAKER, CUBE-STYLE	EXISTING/RELOCATE	36
37	1	ICE BIN W/PLINTH	EXISTING/RELOCATE	37
38	1	WATER FILTER		38

ENVIRONMENTAL NOTES

1. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL A TILE FLOOR IN KITCHEN AND RELATED WET AREAS. THESE AREAS SHALL BE PROVIDED WITH WATERPROOF FLOOR MEMBRANE. TILE TO BE INSTALLED WITH 100% OF TILE BEING SLIP RESISTANT AS DEFINED BY ASTM C1028 (STATIC COEFFICIENT OF FRICTION OF 1.0 OR GREATER), CROSSVILLE "CROSS-GRIP"OR EQUAL RECOMMENDED. WALL BASES SHALL BE A MINIMUM OF 6" HIGH. BASES, INTEGRAL WITH FLOOR, SHALL HAVE COVED CORNERS. GROUTING FOR TILE FLOORS SHALL BE EPOXY TYPE AND COLORED TO MATCH TILE. IN AREAS WHERE TILE CAN NOT BE INSTALLED BECAUSE OF STRUCTURAL RESTRICTIONS, PROVIDE INDUSTRIAL VINYL FLOORING ("PROTECT-ALL" BY OSCODA PLASTICS) FOR COMMERCIAL KITCHEN APPLICATION. REFER TO ARCHITECTURAL DOCUMENTS FOR SPECIFIC REQUIREMENTS.
2. CEILING AND WALL SURFACES ADJACENT TO, OR OVER, ANY FOOD PREPARATION AREA, INCLUDING KITCHENS, SERVICE AREAS, BARS, ETC., SHALL BE SMOOTH, EASILY CLEANABLE AND LIGHT IN COLOR. ANY MATERIALS NOT CLEARLY CONSISTENT WITH THIS REQUIREMENT SHOULD BE SUBMITTED TO THE LOCAL HEALTH JURISDICTION FOR PRIOR APPROVAL FOR USE. LAY IN CEILING TILE MUST BE NON-POROUS AND NON-FISSURED, SMOOTH, WASHABLE 24" X 24" PANELS ONLY. A CORROSION RESISTANT SUSPENSION SYSTEM SIMILAR TO "PRELUDE PLUS" MANUFACTURED BY ARMSTRONG IS RECOMMENDED.
3. DIVISION 26 SHALL PROVIDE ALL GENERAL LIGHTING FIXTURES AND INSTALL COMPLETE WITH LAMPS, WIRING AND SWITCHES. ALL EXPOSED LAMPS IN KITCHEN AREAS MUST BE PLASTICIZED SHATTERPROOF DESIGNED WITH A MINIMUM OF 50 FOOT CANDLE POWER.
4. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH AND DIVISION 22 SHALL INSTALL STAINLESS STEEL HAND SINKS COMPLETE WITH REGULAR MIXING CONTROLS, UNLESS SPECIFIED OTHERWISE. SOAP & TOWEL DISPENSERS AT ALL HAND SINK LOCATIONS TO BE FURNISHED AND INSTALLED BY OWNER, UNLESS SPECIFIED OTHERWISE.
5. ALL INDIRECT WASTE PIPING TO FLOOR SINKS SHALL TERMINATE A MINIMUM OF ONE (1) PIPE DIAMETER ABOVE SINK.
6. ALL DISH AND GLASS WASHERS SHALL BE FURNISHED WITH A REMOTE SEALED SYSTEM, HOT WATER BOOSTER DELIVERING 180° HOT WATER TO MACHINES UNLESS SPECIFIED OTHERWISE.
7. SPACE BETWEEN ALL UNITS TO WALL, CEILING, FLOORS AND ADJOINING UNITS NOT PORTABLE AND WITH ENCLOSED BODIES SHALL BE COMPLETELY SEALED AGAINST ENTRANCE OF FOOD PARTICLES OR VERMIN BY THE FOODSERVICE EQUIPMENT CONTRACTOR BY MEANS OF TRIM STRIPS, WELDING, SOLDERING, OR MASTIC. MASTIC SHALL BE GENERAL ELECTRIC SILICONE CONSTRUCTION SEALANT SERIES SE1200 IN APPROPRIATE COLOR.
8. ALL EQUIPMENT SITTING ON FLOOR SHALL BE INSTALLED ON MINIMUM 6" HIGH STAINLESS STEEL LEGS WITH ADJUSTABLE SANITARY FEET, UNLESS SPECIFIED OTHERWISE.
9. FIRE SUPPRESSION SYSTEMS SHALL BE ENGINEERED, SIZED AND INSTALLED IN ACCORDANCE WITH U.L., NFPA AND LOCAL BUILDING CODES.
10. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WITHIN A 30-FOOT TRAVEL DISTANCE OF COMMERCIAL COOKING EQUIPMENT. COOKING EQUIPMENT INVOLVING VEGETABLE OR ANIMAL OILS AND FATS SHALL BE PROTECTED BY A CLASS-K RATED PORTABLE FIRE EXTINGUISHER. PORTABLE FIRE EXTINGUISHERS ARE SPECIFIED BY THE ARCHITECT.
11. THE KITCHEN SHALL BE DESIGNED FOR A MAX. AVERAGE AMBIENT TEMPERATURE OF 85 DEGREES F. CAFETERIA SERVING AREAS SHOULD BE DESIGNED FOR A MAX. 75 DEGREES F. & 55% RH.
12. GENERAL PURPOSE FLOOR DRAINS TO PREVENT "STANDING" WATER ARE SPECIFIED BY THE PLUMBING ENGINEER. SLOPE OF FLOOR TO FLOOR DRAINS SPECIFIED BY ARCHITECT. REFER TO A/E DRAWINGS.
13. THE TEMPERATURE DIFFERENCE BETWEEN MAKE-UP AIR AND THE AIR IN THE CONDITIONED SPACE SHALL NOT EXCEED 10 DEGREES F.

TO ASSURE ACCURATE PROPOSALS THESE PLANS MUST BE BID WITH THE COMPLETE FOODSERVICE EQUIPMENT SPECIFICATIONS INCLUDING GENERAL AND SPECIFIC CONDITIONS PREPARED BY CLEVENGER FRABLE LAVALLEE, INC. MANUFACTURER DATA (CUTSHEETS) INDICATE REPRESENTATIVE EQUIPMENT SELECTION ONLY AND ARE NOT TO BE CONSIDERED SPECIFICATIONS.

THIS DRAWING IS INTENDED TO PROVIDE INFORMATION TO BE INCLUDED ON THE ARCHITECTS / ENGINEERS DOCUMENTS. IT IS NOT INTENDED AND SHOULD NOT BE USED FOR CONSTRUCTION.

FOOD SERVICE EQUIPMENT CONTRACTOR (F.S.E.C) SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS & BE RESPONSIBLE FOR FIELD FIT & QUALITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE F.S.E.C. FOR ANY ERROR OR NEGLECT ON THEIR PART.

DIMENSIONED DRAWINGS TO BE PROVIDED BY FOOD SERVICE EQUIPMENT CONTRACTOR AFTER AWARD OF CONTRACT DURING CONSTRUCTION PHASE.

FIREHOUSE
ADDITIONS & ALTERATIONS

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285 MAIN STREET MOUNT KISCO , NEW YORK , 10549
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777 WESTCHESTER AVE., WHITE PLAINS, NY 10604
TEL: 914/997-9660 FAX: 914/997-9671

Professional Seal

No.	Date	Issue
6	06/11/24	CONSTRUCTION DOCUMENTS
5	04/26/24	ICC REVISION 2
4	03/18/24	ICC REVISION 1
3	02/02/24	ISSUED ICC
2	11/02/23	DESIGN DEVELOPMENT
1	07/29/23	SCHEMATIC DESIGN

Sheet Title

KITCHEN EQUIPMENT PLAN

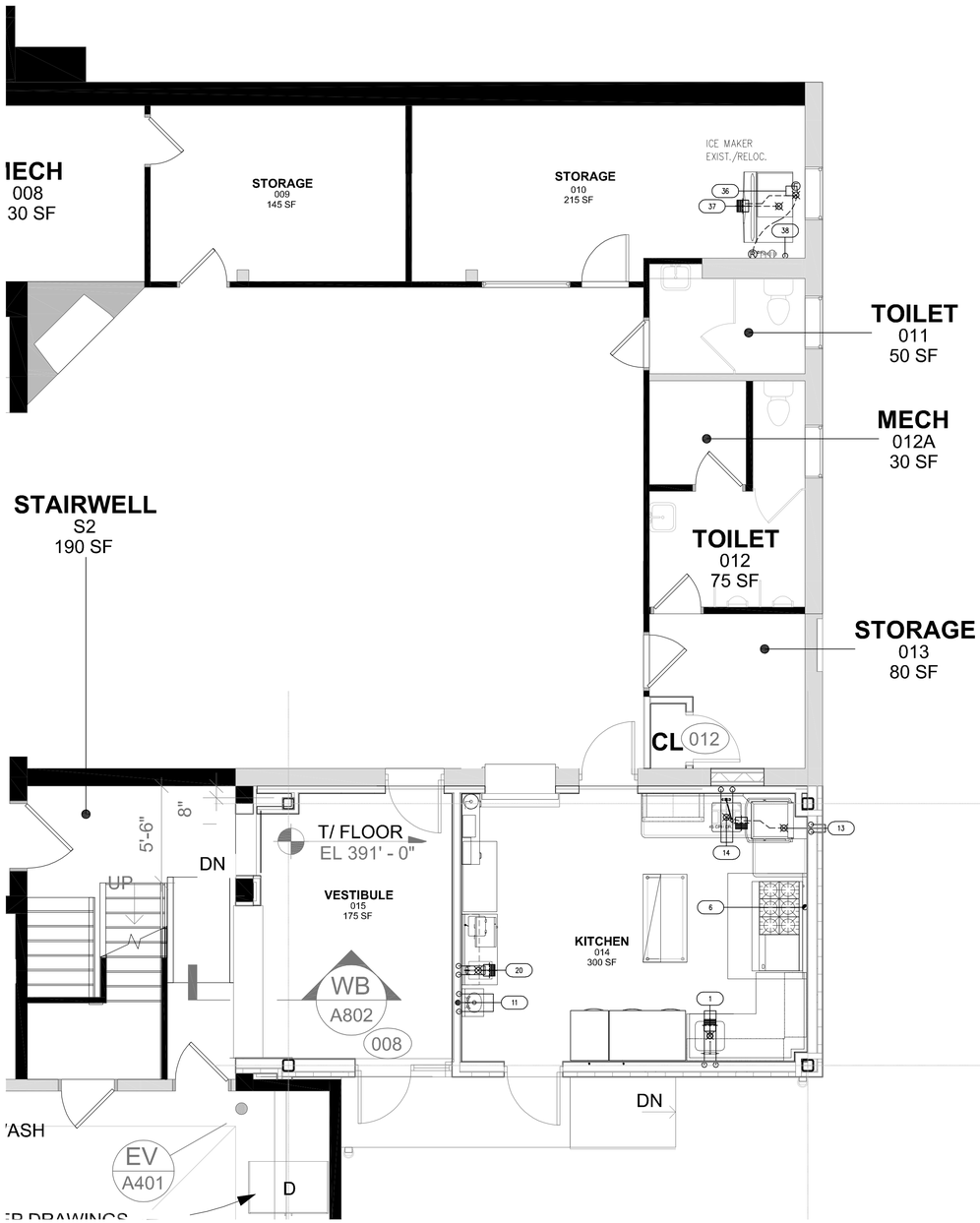
Job No.	Date
	01/31/24
Scale	Drawn / Checked
1/4" = 1'-0"	

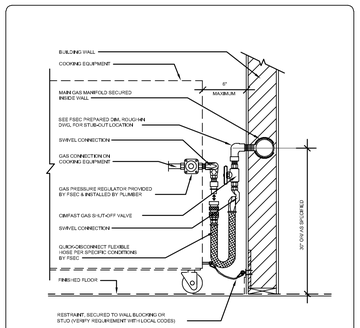
Sheet Number

KA-1

FOODSERVICE PLUMBING SCHEDULE

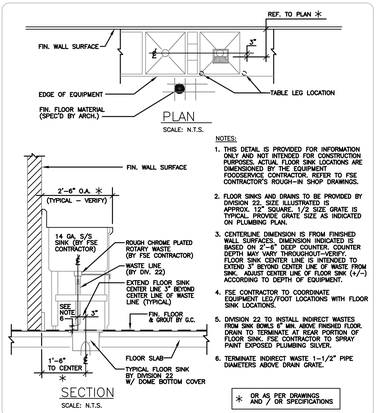
ITEM NO	QTY	ITEM NAME	CW	CW AFF	HW	HW AFF	IW	DW	DIRECT WASTE CONN. HEIGHT(IN)	GAS MBTU	GAS	GAS AFF	FW	FW AFF	REMARKS	ITEM NO
1	1	COUNTER W/SINK	1/2"	14"	1/2"	14"	2"								P13, HW TEMP - 140°, ROUTE TO FLOOR SINK	1
6	1	RANGE, 60", 6 BURNERS, 24" GRIDDLE								271.5	3/4"	30"			P9	6
11	1	HAND SINK	1/2"	18"	1/2"	18"		1-1/2"	24"						HW TEMP - 110°	11
14	1	SOILED DISHTABLE W/PRE-RINSE SINK	1/2"	14"	1/2"	14"	2"								P13, HW TEMP - 140°, ROUTE TO FLOOR SINK	14
20	1	COUNTER W/ SINK	1/2"	14"	1/2"	14"	2"								HW TEMP - 140°, ROUTE TO FLOOR SINK	20
36	1	ICE MAKER, CUBE-STYLE					1/2"						1/2"	5'-0"	ICE MAKER DRAIN, CONN. TO ITEM 38, WATER FILTER	36
37	1	ICE BIN W/PLINTH					3/4"								ROUTE TO FLOOR SINK	37
38	1	WATER FILTER	3/4"	7'-0"											SERVES ITEM 36	38





DORMONT GAS QUICK-DISCONNECT INSTALLATION
SCALE: N.T.S.

GAS HOSE INSTALL FOR FREE STANDING EQUIPMENT	
05-24-12	P-6-1



TYPICAL FLOOR SINK / DRAIN LOCATION DETAIL	
10-29-12	P-11

PLUMBING NOTES

1. PLUMBING PLAN SHOWS ROUGH-IN AND CONNECTION LOCATIONS WITH CAPACITIES - SEE ROUGH-IN DRAWINGS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR FOR ACTUAL ROUGH-IN LOCATIONS
2. ROUGH-INS FOR WATER, WASTE, FUEL GAS AND STEAM SERVICES SHALL EXTEND 6" (220 MM) BEYOND FINISH WALLS AND ABOVE FINISH FLOORS OR EQUIPMENT PADS - ALL FLOOR PENETRATIONS SHALL BE SEALED WATER TIGHT.
3. WATER PRESSURE IN FOOD, SERVICE AND BEVERAGE AREAS SHOULD BE 50 PSIG. (344,750N/M) MAXIMUM - WATER PRESSURE AT DISHMACHINES, BOOSTER HEATERS, GLASS AND UTENSIL WASHERS TO BE 25 PSIG (172,375N/M).
4. STEAM PRESSURE FOR FOOD SERVICE EQUIPMENT TO BE N/A UNLESS INDICATED OTHERWISE ON PLAN.
5. DIVISION 22 SHALL FURNISH AND INSTALL ALL NECESSARY VALVES, TRAPS, TAIL PIECES, LINE STRAINERS, PRESSURE REDUCING VALVES AND VACUUM BREAKERS AND CONNECT ALL WATER, FUEL GAS, STEAM AND WASTE LINES TO FOOD SERVICE EQUIPMENT.
6. DIVISION 22 TO PROVIDE GAS SERVICES AT EQUIPMENT TO MAINTAIN AN 8" WATER COLUMN. FOOD SERVICE EQUIPMENT CONTRACTOR TO PROVIDE GAS PRESSURE REGULATORS AS REQUIRED BY CODE AND A.G.A. FOR INSTALLATION BY DIVISION 22 IN LINE BETWEEN BUILDING SERVICES AND EQUIPMENT
7. DIVISION 22 SHALL INSTALL & CONNECT ALL FAUCETS AND DRAINS FURNISHED WITH FOOD SERVICE AND BEVERAGE EQUIPMENT.
8. DIVISION 22 SHALL FURNISH & INSTALL ALL INDIRECT WASTE LINES FROM FOOD SERVICE AND BEVERAGE EQUIPMENT (EXCEPT EVAPORATOR COILS IN COLD STORAGE ROOMS) TO FLOOR SINKS AND INSULATE WASTE LINES FROM ICE BINS, EVAPORATORS AND BAIN MARIES.
9. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL FIRE SUPPRESSION SYSTEM. FSE CONTRACTOR SHALL FURNISH & DIVISION 22 SHALL INSTALL NORMALLY OPEN MECHANICALLY ACTIVATED OR ELECTRICAL SOLENOID GAS SHUT-OFF VALVE ABOVE SUSPENDED CEILING TILE.
10. WHERE PERMITTED BY LOCAL CODE, FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FINISH FLOOR WITH GRATE COVER AS INDICATED.
11. THIS PLUMBING PLAN IS INTENDED TO SHOW DRAINAGE REQUIREMENTS FOR FOODSERVICE EQUIPMENT ONLY. IT IS THE PLUMBING ENGINEER'S RESPONSIBILITY TO CONFIRM DRAIN TYPE, CAPACITY & ELEVATION TO SATISFY LOCAL CODE REQUIREMENTS.
12. SEWAGE AND LIQUID WASTES (ROOF DRAINS) ARE TO BE CARRIED TO THE SEWER IN A MANNER THAT PROTECTS THE PREMISES, THE PERSONNEL AND CONTENTS WITHIN THE ESTABLISHMENT FROM CON-TAMINATION. THE PLUMBING ENGINEER IS TO DESIGN WASTE PIPING SYSTEMS THAT CONFORM TO LOCAL HEALTH CODE REQUIREMENTS. PARTICULAR ATTENTION NEEDS TO BE GIVEN TO ANY LOCAL REQUIRE-MENTS PREVENTING WASTE PIPING (EXPOSED OR CONCEALED) FROM BEING ROUTED OVERHEAD IN AREAS USED FOR FOOD STORAGE, PREPARATION, SERVICE, WAREWASHING AND TRANSPORTATION.
13. GENERAL PURPOSE AREA DRAINS SHALL BE LOCATED AND SPECIFIED BY THE PLUMBING ENGINEER TO PREVENT "STANDING" WATER ON THE FLOOR. THIS IS OF PARTICULAR IMPORTANCE WHEN LOCAL CODES REQUIRE THAT DRAINS ACCEPTING INDIRECT WASTE BE SET ABOVE THE FINISHED FLOOR.
14. DIVISION 22 TO RUN WASTES TO GREASE INTERCEPTOR PER LOCAL CODES. GREASE INTERCEPTOR, IF REQUIRED, IS TO BE SIZED AND LOCATED BY THE PLUMBING ENGINEER. WASTE ROUGH-IN FOR DISCHARGE PIPING FROM A SURFACE MOUNTED GREASE INTERCEPTOR IS TO BE DIMENSIONED BY THE PLUMBING ENGINEER.
15. DIVISION 22 SHALL INSTALL WATER FILTER SYSTEMS PROVIDED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR TO SERVICE ICE MAKERS, COFFEE MAKERS/URNS, SODA SYSTEMS, STEAMERS, ETC.
16. FOOD SERVICE EQUIPMENT CONTRACTOR TO PROVIDE, DIVISION 22 TO INSTALL, FLEXIBLE CONNECTORS FOR FOOD SERVICE & BEVERAGE EQUIPMENT REQUIRING GAS, WATER & STEAM CONNECTIONS. REFER TO PLUMBING SCHEDULE AND CONTRACT DOCUMENTS.

PLUMBING REMARKS LEGEND

NOTE: THESE REMARKS ARE APPLICABLE WHEN NOTED IN THE PLUMBING REMARKS COLUMN ON THE PLUMBING SCHEDULE.

P1	CONNECT TO CENTRAL WATER FILTER.
P2	CONNECT TO INDIVIDUAL WATER FILTER FURNISHED BY F.S.E.C. AND INSTALLED BY PLUMBING DIVISION.
P3	PLUMBING DIVISION TO INSTALL NECESSARY PIPING, VALVES, ETC. TO ENABLE THE OPERATOR TO BY-PASS THE FILTER SYSTEM TEMPORARILY WHEN WATER FLOW TO FIXTURES IS RESTRICTED BY CLOGGED FILTERS.
P4	ROUTE INDIRECT WASTE FROM WATER FILTER PER DETAIL P-8-1.
P5	CONCEAL WATER FILTER IN BASE CABINET. COORDINATE LOCATION AND ACCESS FOR FILTER REPLACEMENT WITH APPROPRIATE TRADES.
P6	F.S.E.C. TO FURNISH AND INSTALL ELECTRIC HEAT WRAP TAPE ON FREEZER EVAPORATOR COIL DRAIN LINE. ELECTRICAL DIVISION TO MAKE FINAL CONNECTIONS.
P7	F.S.E.C. EXTEND DRAIN LINE FROM INDIRECT WASTE CONNECTION AT EVAPORATOR COIL TO FLOOR DRAIN PER DETAIL P-2-1.
P8	CONDENSER WATER TEMPERATURE TO BE BETWEEN 45° & 85° FAHRENHEIT.
P9	FLEXIBLE DISCONNECT(S) FURNISHED BY F.S.E.C. PER SPECIFIC CONDITIONS & INSTALLED BY PLUMBING DIVISION.
P10	WATER SWIRL FLEXIBLE DISCONNECT(S) FURNISHED BY F.S.E.C. PER SPECIFIC CONDITIONS & INSTALLED BY PLUMBING DIVISION.
P11	F.S.E.C. TO FURNISH FLEXIBLE DISCONNECT(S) FOR EQUIPMENT UNITS PROVIDED BY OTHERS.
P12	F.S.E.C. TO CONFIRM PLUMBING REQUIREMENTS WITH OWNER OR OPERATOR FOR EQUIPMENT NOT IN CONTRACT.
P13	PLUMBING ENGINEER TO SIZE AND SPECIFY GREASE INTERCEPTOR PER LOCAL CODE. PLUMBING ENGINEER TO LOCATE FLOOR PENETRATION FOR WASTE LINE/AIR GAP DRAIN FROM INTERCEPTOR TO SEWER SYSTEM.
P14	F.S.E.C. TO PROVIDE AND PLUMBING DIVISION TO INSTALL GAS SHUT OFF VALVE FOR FIRE SUPPRESSION SYSTEM. REFER TO CFL DETAIL C-22-6.
P15	PLUMBING DIVISION TO PROVIDE & INSTALL INTERCONNECTING PIPING FOR A COMPLETE AND OPERABLE SYSTEM. INDIRECT WASTE TO RUN INSIDE WALL PER DETAIL P-5-1. EXTEND WASTE TO GREASE TRAP PER LOCAL CODES. CHROME PLATED PIPING WHERE EXPOSED.
P16	INTERPLUMB CONTROL PANEL THROUGH VACUUM BREAKER & CHECK VALVE W/ EXHAUST HOOD, INCLUDING DETERGENT LINE FROM PANEL TO WATER LINE TO HOOD.
P17	EXTEND DRAIN LINE FROM PRESSURE RELIEF VALVE ON BOOSTER HEATER TO FLOOR SINK.
P18	FURNISH & INTERPLUMB RECIRCULATING WATER LINES W/ GATE VALVES FROM COLLECTOR/ TROUGH/EYOR TO END OF TROUGH, INCLUDING GUSHER HEADS.
P19	FURNISH & INTERPLUMB RECIRCULATING WATER LINE W/ BALL VALVE FROM SYSTEM TO INLET AT END OF TROUGH.
P20	STUB UP INSIDE UTILITY CHASE AND BTC
P21	DOWN FROM ABOVE INSIDE UTILITY CHASE AND BTC

LEGEND - PLUMBING CONNECTIONS

	HW - HOT WATER, OR CW - COLD WATER
	GAS
	FILTERED WATER
	STEAM SUPPLY
	STEAM RETURN
	WASTE, DIRECT-CONNECTED UNLESS NOTED "OPEN HUB"
	INDIRECT WASTE
	CONDENSER WATER INLET
	CONDENSER WATER OUT
	FLOOR DRAIN
	FLOOR DRAIN W/ ATTACHED FUNNEL
	FLOOR SINK WITH HALF GRATE
	FLOOR SINK WITHOUT GRATE
-----	FIELD CONNECTIONS
-CWS-	CONDENSER WATER SUPPLY
-CWR-	CONDENSER WATER RETURN
-FCW-	FILTERED COLD WATER
-RL-	REFRIGERANT LIQUID
-RS-	REFRIGERANT SUCTION
IW	INDIRECT WASTE
AFF	ABOVE FINISHED FLOOR
DFA	DOWN FROM ABOVE
BTC	BRANCH TO CONNECTION
P.C.	PLUMBING CONTRACTOR (DIVISION 22)
N/C	NOT IN CONTRACT

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ADDITIONS & ALTERATIONS

Pound Ridge Fire Department
Pound Ridge, New York

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777 WESTCHESTER AVE., WHITE PLAINS, NY 10604
TEL: 914/997-9660 FAX: 914/997-9671

Professional Seal

No.	Date	Issue
6	06/11/24	CONSTRUCTION DOCUMENTS
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2	11/02/23	DESIGN DEVELOPMENT
1	07/28/23	SCHEMATIC DESIGN

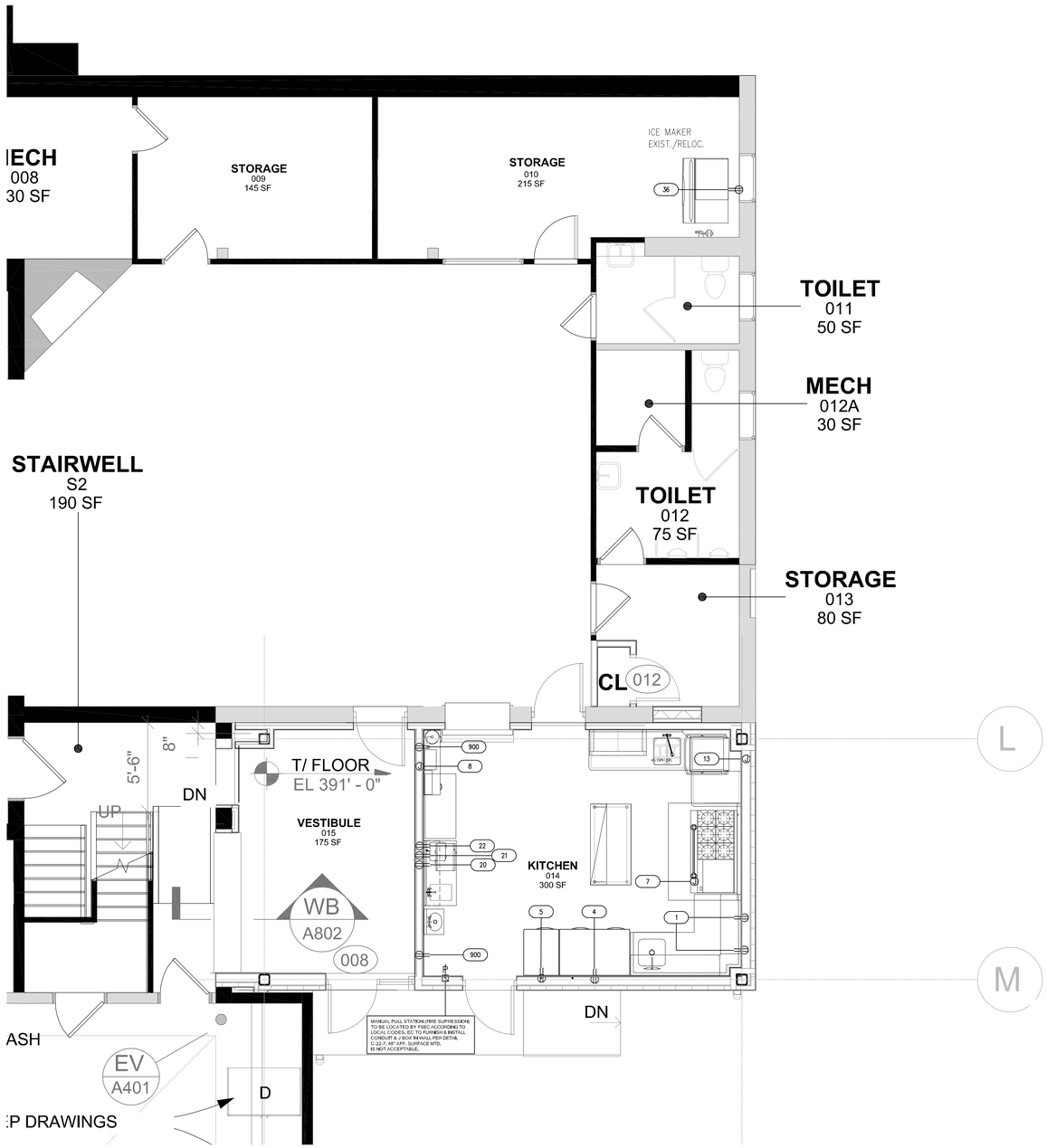
Sheet Title

KITCHEN PLUMBING PLAN

Job No.	Date 01/31/24
Scale 1/4" = 1'-0"	Drawn / Checked

Sheet Number

KA-2



ELECTRICAL SCHEDULE

ITEM NO	QTY	ITEM NAME	VOLTAGE	PHASE	AMPS	CYCLE	HP	KW	CONN AFF	CONN TYPE	NEMA	REMARKS	UNIT	ITEM NO
1	1	COUNTER W/SINK	120	1	15	60			48"	CORD & PLUG	5-20P	DUPLEX CONVENIENCE OUTLET ON WALL ABOVE BACKSPLASH	EA	1
4	1	REACH-IN REFRIGERATOR	115	1	6.9	60	1/3		7'-0"	CORD & PLUG	5-15P		EA	4
5	1	REACH-IN FREEZER	115	1	7.6	60	1/2		7'-0"	CORD & PLUG	5-15P		EA	5
7	1	EXHAUST HOOD, TAPERED	120	1	15	60			DFA	DIRECT		E16, E20, E27	EA	7
8	1	FIRE SUPPRESSION SYSTEM	120	1	20	60			DFA	DIRECT		E14, E15, E16, E20, E28	EA	8
13	1	DISHWASHER, DOOR TYPE, VENTLESS	208	3	53.5	60			60"	DIRECT		E8	EA	13
20	1	COUNTER W/ SINK	120	1	15	60			48"	CORD & PLUG	5-20P	DUPLEX CONVENIENCE OUTLET ON WALL ABOVE BACKSPLASH	EA	20
21	1	POP-UP TOASTER	120	1	15.0	60		1.8	48"	CORD & PLUG	5-15P	OUTLET ON WALL ABOVE BACKSPLASH	EA	21
22	1	MICROWAVE OVEN	120	1	13.4	60		1	24"	CORD & PLUG	5-15P		EA	22
36	1	ICE MAKER, CUBE-STYLE	208-230	1	11.1	60			5'-0"			CONFIRM ELECT. REQUIREMENTS FOR EXIST'G EQ.	EA	36

SPECIALTY OUTLET SCHEDULE

ItemNo	QTY.	Category	Voltage	Phase	Amps	Cycle	CONN. TYPE	NEMA	CONN.-AFF	Electrical Remarks
900	4	DUPLEX CONVENIENCE OUTLET	120	1	15	60	RECEPTACLE	5-20P	18"	.
901	1	DUPLEX CONVENIENCE OUTLET	120	1	15	60	RECEPTACLE	5-20P	48"	.

ELECTRICAL REMARKS LEGEND

NOTE: THESE REMARKS ARE APPLICABLE WHEN NOTED IN THE ELECTRICAL REMARKS COLUMN ON THE ELECTRICAL SCHEDULE

- E1 ELECTRICAL DIVISION TO INSTALL ADDITIONAL LIGHT FIXTURES PER E-1-4. NOTE REQUIREMENT FOR EXPANDING FOAM SEALANT INSIDE CONDUIT AT PANEL PENETRATION TO AVOID CONDENSATE ACCUMULATION INSIDE LIGHT FIXTURE.
- E2 ELECTRICAL DIVISION TO CONNECT TEMPERATURE ALARM TO BUILDING MANAGEMENT SYSTEM. REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR DETAILED REQUIREMENTS.
- E3 ELECTRICAL DIVISION TO CONNECT ELECTRIC HEAT WRAP TAPE ON FREEZER EVAPORATOR COIL DRAIN LINE FURNISHED BY F.S.E.C.
- E4 ELECTRICAL DIVISION TO INSTALL 5 WIRE CONTROL WIRING FROM DEFROST TIME CLOCK TO DEFROST HEATER ON FREEZER EVAPORATOR COIL.
- E5 F.S.E.C. TO CONFIRM ELECTRICAL REQUIREMENTS FOR EQUIPMENT NOT IN CONTRACT.
- E6 PROVIDE 120/ 208 VOLT, 3 PHASE, 4 WIRE, 30 AMP CIRCUIT FOR VENDOR PROVIDED COFFEE BREWING EQUIPMENT. CONFIRM CONNECTION REQUIREMENTS WITH OWNER OR OPERATOR.
- E7 REQUIRES DEDICATED CIRCUIT. PROVIDE J-BOXES AND ELECTRICAL NOTE #16.
- E8 WIRE TO STAINLESS STEEL SAFETY DISCONNECT SWITCH PROVIDED AND INSTALLED BY ELECTRICAL DIVISION AS DETERMINED BY ELECTRICAL ENGINEER.
- E9 DISH MACHINE W/ TABLE LIMIT SWITCH FURNISHED BY EQUIPMENT MANUFACTURER AND INSTALLED BY ELECTRICAL DIVISION.
- E10 INTERWIRE WITH VENT FAN CONTROL SWITCH.
- E11 INTERWIRE TO REMOTE START/ STOP SWITCH.
- E12 INTERWIRE FROM CONTROL PANEL TO TERMINAL BLOCK ON WASTE SYSTEM.
- E13 ELECTRICAL DIVISION TO INTERWIRE DISPOSER MOTOR, CONTROL PANEL, AND SOLENOID PER DETAIL P-4-3.
- E14 PROVIDE UNINTERRUPTED SERVICE TO FIRE PROTECTION SYSTEM AND INTERWIRE TO SHUNT-TYPE CIRCUIT BREAKERS. INTERWIRE TO BUILDING ALARM SYSTEM.
- E15 EXTEND CONDUIT AND WIRING FROM ANSUL SYSTEM TO SOLENOID GAS SHUT OFF VALVE, SHUNT-TRIP BREAKER IN PANEL, AND BUILDING ALARM SYSTEM. INTERWIRE WITH EXHAUST AND SUPPLY FAN MAGNETIC STARTERS AS REQUIRED. REFER TO MANUFACTURERS SHOP DRAWINGS AND APPLICABLE CODES.
- E16 TWO WIRES AND GROUND FROM EXHAUST HOOD AUTOSTART CONTROL TO MAGNETIC STARTER(S) FOR EXHAUST AND SUPPLY FANS (120VAC); TWO WIRES EACH TO THERMOSTAT(S); TWO WIRES TO FIRE SUPPRESSION SYSTEM. INTERCONNECT TO BUILDING MANAGEMENT SYSTEM IF REQUIRED. REFER TO PRELIMINARY SHOP DRAWINGS.
- E17 DOWN FROM ABOVE INSIDE UTILITY CHASE AND BRANCH TO CONNECTION.
- E18 STUB UP FROM FLOOR & MOUNT RECEPTACLE/ J-BOX INSIDE CABINET.
- E19 ELECTRICAL DIVISION TO MAKE INTERCONNECTION AT FIELD JOINTS.
- E20 REFER TO MANUFACTURER'S SHOP DRAWING FOR INTERCONNECTIONS AND WIRING DIAGRAMS.
- E21 CONCEAL MOUNT ELECTRICAL WIRING TO UNDERSIDE OF EQUIPMENT.
- E22 ELECTRICAL DIVISION TO PULL WIRING AND MAKE FINAL CONNECTIONS.
- E23 INTERWIRE W/ LIGHT SWITCH. CONCEAL WIRING INSIDE UPRIGHT/ POST.
- E24 ELECTRICAL DIVISION TO INTERWIRE TO REMOTE CONTROL(S) AS REQUIRED.
- E25 WATER PROOF GFCI RECEPTACLE WITH COVER PROVIDED BY ELECTRICAL DIVISION.
- E26 ELECTRICAL DIVISION TO FURNISH AND INSTALL EMT CONDUIT FOR BEVERAGE LINES FROM REMOTE BEVERAGE SYSTEM TO DISPENSING LOCATION. REFER TO BUILDING WORKS DRAWING DETAILS.
- E27 INTERWIRE EXHAUST HOOD LIGHTS W/ WALL MOUNTED ON/OFF SWITCH MOUNTED @ 48"-AFF.
- E28 PROVIDE J-BOX & CONDUIT FOR RECESSED REMOTE FIRE PULL STATION PER CFL DETAIL C-22-7.
- E29 E.P - EMERGENCY POWER CONNECTION REQUIRED.
- E30 CONNECT TO DRAIN WATER TEMPERING KIT

ELECTRICAL NOTES

1. ELECTRICAL PLAN SHOWS ROUGH-IN AND CONNECTION LOCATIONS WITH CAPACITIES - SEE ROUGH-IN DRAWINGS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR FOR ACTUAL ROUGH-IN LOCATIONS.
2. ELECTRICAL SYSTEM IS DESIGNED FOR ___120/208 VOLTS, _____ PHASE, _60_____ HERTZ, _____ WIRE SYSTEM.
3. DIVISION 26 SHALL FURNISH AND INSTALL ALL JUNCTION BOXES, RECEPTACLES, COVER PLATES, PULL BOXES, CONDUIT AND WIRING EXCEPT WHERE NOTED.
4. ALL CONDUIT RUNS INDICATED FOR REFRIGERATION, DRINK AND LIQUOR SYSTEM LINES SHALL BE FURNISHED AND INSTALLED BY DIVISION 26 - CONDUIT SHALL HAVE 24" MINIMUM RADIUS BENDS. REFER TO BUILDING WORK'S PLAN FOR ROUTING AND DETAILS.
5. DIVISION 26 TO FURNISH & INSTALL SAFETY DISCONNECT SWITCHES WHERE REQUIRED. REFER TO ELECTRICAL SCHEDULE & CONTRACT DOCUMENTS. SDS TO BE 5/S OR ALUMINUM.
6. FSE CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL WORK FOR FABRICATED EQUIPMENT ITEMS (CHEF'S COUNTER, TABLES, ETC.) AS NOTED: COMPLETE WITH JUNCTION BOXES, CONDUIT, SURFACE MOUNTED ELECTRIC BOXES, COVER PLATES, ELECTRIC RACEWAYS AND CIRCUIT BREAKER PANEL, WHEN SPECIFIED. DIVISION 26 SHALL PULL WIRING AND MAKE FINAL CONNECTIONS.
7. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL VAPOR PROOF VENTILATOR LIGHTS COMPLETE WITH LAMPS - INTERCONNECTING CONDUIT, WIRING AND WALL SWITCH FURNISHED AND INSTALLED BY DIVISION 26.
8. ADDITIONAL CONVENIENCE RECEPTACLES, TELEPHONE AND INTERCOM JACKS SHALL BE LOCATED BY THE ARCHITECT.
9. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL DISPOSER SWITCH - DIVISION 26 SHALL FURNISH AND INSTALL INTERCONNECTING CONDUIT AND WIRING BETWEEN SWITCH DISPOSER AND COMPONENTS.
10. DIVISION 26 TO FURNISH & INSTALL ALL INTERCONNECTING CONDUIT & WIRING BETWEEN MICROSWITCH FURNISHED WITH FIRE SUPPRESSION SYSTEM SUPPLIED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR. CONTACTORS FURNISHED BY DIVISION 26.
11. DIVISION 26 TO FURNISH AND INSTALL SHUNT TRIP TYPE BREAKER DISCONNECT TO FOOD SERVICE EQUIPMENT UNDEREATH EXHAUST VENTILATOR. COORDINATE SHUNT TRIP BREAKER REQUIREMENTS WITH FOOD SERVICE EQUIPMENT CONTRACTOR.
12. DIVISION 26 TO FURNISH AND INSTALL INTERCONNECTING CONDUIT AND WIRING (2 WIRE 24 VDC) BETWEEN ALARM PANEL AND COLD STORAGE ROOM ALARM THERMOSTAT - PANEL AND THERMOSTAT FURNISHED AND INSTALLED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.
13. PRE-FABRICATED COLD STORAGE ROOMS ARE FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR COMPLETE WITH SPLICE BOXES, LIGHT FIXTURES, LAMPS, LIGHT SWITCHES, AND DOOR HEATERS - DIVISION 26 TO INSTALL SAME AND SHALL FURNISH AND INSTALL INTERCONNECTING CONDUIT, WIRING, SEAL-OFFS, SEALANT AND MAKE ALL FINAL CONNECTIONS.
14. DIVISION 26 SHALL FURNISH AND INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN FOOD SERVICE EQUIPMENT CONTRACTOR FURNISHED LOW TEMP COLD STORAGE ROOM EVAPORATOR TERMINAL BLOCK, SWITCH, FAN DOOR SWITCH AND COMPRESSOR CONTROL PANEL.
15. DIVISION 26 SHALL FURNISH & INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN FOOD SERVICE EQUIPMENT CONTRACTOR FURNISHED LOW TEMP COLD STORAGE ROOM EVAPORATOR TERMINAL BLOCK, ROOM THERMOSTAT, LIQUID LINE SOLENOID VALVE, FAN DOOR SWITCH/RELAY, EVAPORATOR COIL DRAIN LINE HEAT TAPE AND COMPRESSOR CONTROL PANEL.
16. DIVISION 26 SHALL FURNISH AND INSTALL EMPTY CONDUIT WITH J-BOXES FOR INSTALLATION OF OWNER SUPPLIED ELECTRONIC CASH CONTROL SYSTEM. DIVISION 26 TO VERIFY INSTALLATION IN ACCORDANCE WITH OWNER'S REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.

LEGEND - ELECTRICAL CONNECTIONS

- DUPLEX RECEPT., 20-AMP, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- SIMPLEX RECEPT., 20-AMP, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- SPECIAL PURPOSE OUTLET, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- SPECIAL PURPOSE OUTLET, 208/240-VOLT AS INDICATED, GROUND TYPE, HORIZONTAL MOUNT
- JUNCTION BOX WITH CONDUIT, STUB AS INDICATED FOR DIRECT CONNECTION
- FIELD WIRING
- SAFETY DISCONNECT SWITCH (SDS)
- TELEPHONE JACK
- SWITCH
- MANUAL PULL (FIRE SUPPRESSION SYSTEM)
- AFF ABOVE FINISHED FLOOR
- DFA DOWN FROM ABOVE
- BTC BRANCH TO CONNECTION
- C.O. CONVENIENCE OUTLET
- E.C. ELECTRICAL CONTRACTOR (DIVISION 26)
- NIC NOT IN CONTRACT

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Professional Seal

No.	Date	Issue
6	06/11/24	CONSTRUCTION DOCUMENTS
5	04/26/24	ICC REVISION 2
4	03/18/24	ICC REVISION 1
3	02/02/24	ISSUED ICC
2	11/02/23	DESIGN DEVELOPMENT
1	07/29/23	SCHEMATIC DESIGN

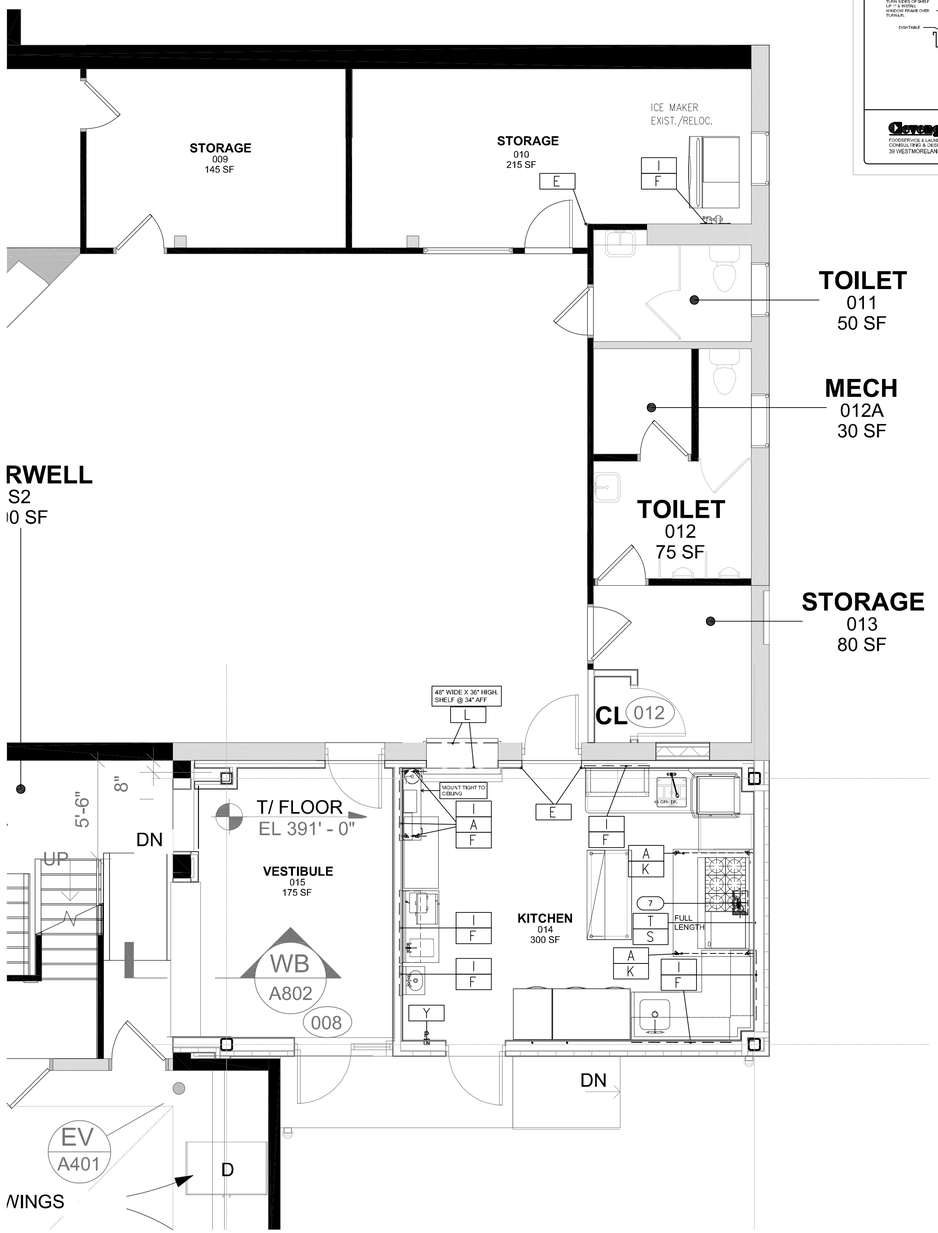
Sheet Title

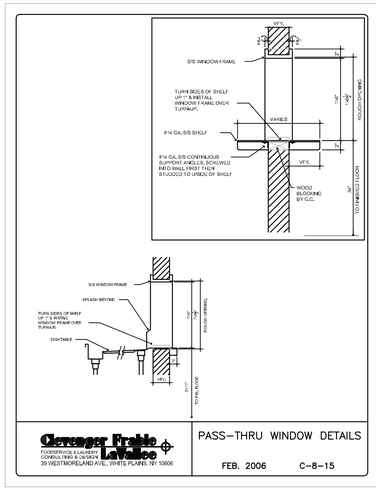
KITCHEN ELECTRICAL PLAN

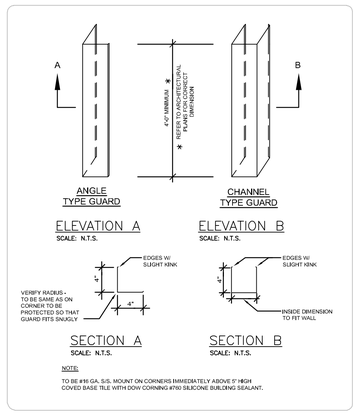
Job No.	Date
	01/31/24
Scale	Drawn / Checked
1/4" = 1'-0"	

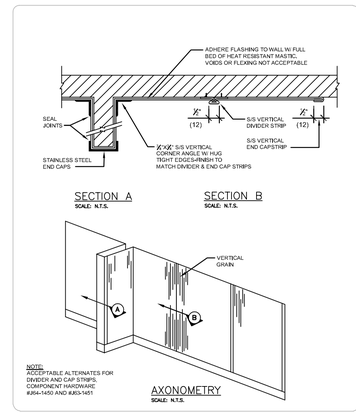
Sheet Number

KA-3









CONDITIONS SCHEDULE

ITEM NO	QTY	ITEM NAME	EXH DEPTH	EXH WIDTH	EXH (CFM)	EXH (S.P.)	REMARKS	ITEM NO
7	1	EXHAUST HOOD, TAPERED	10	16	1764	-1.068	M1, M3, M5	7

SPECIAL BUILDING CONDITIONS

- A — GENERAL CONTRACTOR TO FURNISH AND INSTALL 3"X3"X1/4" (75X75X6) Z-BAR TO UNDERSIDE OF STRUCTURAL SLAB ABOVE - COORDINATE INSTALLATION WITH THE FOOD SERVICE EQUIPMENT CONTRACTOR.
- B — GENERAL CONTRACTOR TO PROVIDE 6" DEEP DEPRESSION FROM FINISHED FLOOR TO RECEIVE WALK-IN BOX FLOOR INSULATION AND FINISHED FLOOR. SEE WALK-IN BOX DETAILS.
- C — GENERAL CONTRACTOR TO PROVIDE " DEEP DEPRESSION TO RECEIVE STAINLESS STEEL FLOOR TROUGH PROVIDED BY FOOD SERVICE EQUIPMENT CONTRACTOR. SEE FLOOR TROUGH DETAIL.
- D — ARCHITECT TO SPECIFY MILLWORK TRAYSLIDE AND FRONT. REFER TO ARCHITECT'S DRAWINGS FOR DETAILS.
- E — ARCHITECT TO SPECIFY #16 GA. STAINLESS STEEL CORNER GUARDS TO GENERAL CONTRACTOR FOR INSTALLATION.
- F — GENERAL CONTRACTOR TO INSURE ALL WALLS ARE PROPERLY REINFORCED TO SUPPORT ALL WALL MOUNTED EQUIPMENT.
- G — GENERAL CONTRACTOR TO INSURE WALL DEPTH IS SUFFICIENT TO RECEIVE CONTROL PANEL (ITEM #_____) PROVIDED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.
- H — MILLWORK BASE SPECIFIED BY ARCHITECT TO ACCOMMODATE UTILITY ROUTING.
- I — WALL TO BE FINISHED WITH A DURABLE, WASHABLE, NON-POROUS SURFACE; PAINTED DRY WALL IS NOT ACCEPTABLE.
- J — DIVISION 26 TO PROVIDE EMPTY 6" DIA. METAL CONDUIT FOR RUN OF BEVERAGE LINES FROM SODA SYSTEM TO SODA DISPENSING LOCATIONS. ALL BENDS TO BE EASY SWEEP (NO 90 DEGREE BENDS).
- K — FOOD SERVICE EQUIPMENT CONTRACTOR TO COORDINATE LOCATIONS OF ALL CEILING HUNG EQUIPMENT (VENTILATORS, UTENSIL RACKS, ETC.) WITH GENERAL CONTRACTOR TO INSURE NO INTERFERENCE BETWEEN PIPING, CONDUIT, DUCTWORK, LIGHTS, ETC. AND SECURING OF FOOD SERVICE EQUIPMENT TO BUILDING SLAB/STRUCTURE OCCURS.
- L — GENERAL CONTRACTOR TO PROVIDE CLEAR OPENING IN WALL TO RECEIVE STAINLESS STEEL WINDOW FRAME AND BUCK PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR. GENERAL CONTRACTOR TO INSTALL. FOOD SERVICE EQUIPMENT CONTRACTOR TO COORDINATE. SEE DETAIL THIS SHEET.
- M — ARCHITECT TO SPECIFY WALL PROTECTION MOUNTED @ 34" O.C. ABOVE FINISHED FLOOR.
- N — ARCHITECT TO SPECIFY 3"X3"X48" HIGH "ACROVYN" CORNER GUARDS. COLOR AND PATTERN TO BE SELECTED BY ARCHITECT.
- O — GENERAL CONTRACTOR TO PROVIDE CLEAR OPENING IN WALL TO RECEIVE HEATED AND/OR REFRIGERATED EQUIPMENT BY F.S.E.C. GENERAL CONTRACTOR TO ALLOW 1/2" CLEARANCE ON BOTH SIDES AND TOP(S) OF UNIT(S). F.S.E.C. TO PROVIDE ALL NECESSARY STAINLESS STEEL TRIM FOR BOTH SIDES OF WALL, UNLESS OTHERWISE DIRECTED BY ARCHITECT.
- P — CONCRETE PAD BY GENERAL CONTRACTOR TO BE 6" HIGH AND NOTCHED FOR FLOOR DRAINS. ALL EXPOSED SURFACES TO BE FINISHED SAME AS FINISHED FLOOR. PAD TOPS TO BE SEALED AND WATERPROOF.
- Q — CONCRETE PAD BY GENERAL CONTRACTOR TO BE 6" HIGH. ALL EXPOSED SURFACES INCLUDING TOP TO BE FINISHED SAME AS FINISHED FLOOR. TOP TO ACT AS FOOT REST FOR CASHIER.
- R — VENTILATION DIVISION TO NOTE: EXHAUST AIR GRILL REQUIRED IN THIS AREA TO AVOID HEAT/MOISTURE BUILD-UP.
- S — WALL(S) TO BE LINED WITH "DUROCK" TILE BACKER BOARD, FULL HEIGHT. WALL FINISH TO BE SPECIFIED BY ARCHITECT.
- T — STAINLESS STEEL WALL FLASHING, FURNISHED BY FSE CONTRACTOR.
- U — REFRIGERATION LINE TO REMOTE REFRIGERATION UNIT.
- V — ARCHITECT TO SPECIFY LOUVERED OPENINGS IN MILLWORK BASE CABINET FOR FLOW - THRU VENTILATION OF SELF-CONTAINED REFRIGERATION SYSTEM AT THIS LOCATION. REFER TO MANUFACTURER'S RECOMMENDATIONS.
- W — COORDINATE FINISHED CEILING HEIGHT WITH OVERALL HEIGHT OF EQUIPMENT (ABOVE FINISHED FLOOR) AT THIS LOCATION.
- X — FLOOR FINISH IN "FLOORLESS" COOLER (ON GRADE) SPECIFIED BY ARCHITECT. AT MINIMUM, FLOOR TO BE LEVEL, SMOOTH AND SEALED.
- Y — RECESS FOR FLUSH WALL MOUNTED REMOTE FIRE PULL STATION.
- Z — ARCHITECT TO ACCOMMODATE SERVICE ACCESS TO EQUIPMENT IN MILLWORK BASE CABINET PER MANUFACTURER RECOMMENDATIONS.

WALL FLASHING
WALL BACKING
HOOD SUPPORT
CORNER GUARD
BEVERAGE CONDUIT- BEER/SODA
REFRIG. CHASE LINES
RECESSED/REMOTE FIRE PULL

MECHANICAL REMARKS LEGEND

- M1 — DUCTWORK SHALL BE CORROSION-RESISTANT STAINLESS STEEL AND SHALL BE SLOPED TO DRAIN BACK TOWARDS HOOD OR VENT.
- M2 — ALL DUCT WORK PER NFPA96. ACCOUNT FOR CLEANOUTS AS REQUIRED.
- M3 — REFER TO HVAC ENGINEER / MAKE-UP AIR DELIVERY GUIDELINES NOTE
- M4 — REFRIGERATION SUCTION AND LIQUID LINES OF SIZE AND CAPACITY TO SUIT THE REMOTE APPLICATION TO BE PROVIDED AND INSTALLED BY THE F.S.E.C. ARCHITECT/ENGINEER TO ACCOMMODATE ROUTING FROM REMOTE CONDENSER LOCATION TO REFRIGERATED EQUIPMENT LOCATION. F.S.E.C. TO COORDINATE INSTALLATION WITH GC.
- M5 — REFER TO MANUFACTURER'S PRELIMINARY SHOP DRAWINGS.

BUILDING WORKS SYMBOLS/NOTES

- NON-COMBUSTIBLE WALL
- MILLWORK BASE BY ARCHITECT
- FINISHED CONCRETE PAD - FOOT REST HEIGHT AS NOTED
- FLOOR DEPRESSION - DEPTH AS NOTED BELOW FINISH FLOOR, SMOOTH & LEVEL
- CORNER GUARD

NOTE: ALL BUILDING WORKS DIMENSIONS INDICATED ARE FROM FINISH SURFACE TO FINISH SURFACE UNLESS NOTED OTHERWISE

LEGEND - MECHANICAL CONNECTIONS

- EXHAUST DUCT CONNECTION
- MAKE-UP AIR DUCT CONNECTION
- DIRECT VENT, ATMOSPHERIC
- EXHAUST AIR CEILING GRILL

NOTE TO HVAC ENGINEER:

MAKE-UP AIR THAT IS NOT INTEGRAL TO THE EXHAUST HOOD SHOULD BE PLANNED AS FOLLOWS:

NO DIFFUSERS TO EXCEED 150 FPM FACE VELOCITY WITHIN 6'-0" OF THE HOOD FROM ALL SIDES AND NO DIFFUSERS CLOSER THAN 15'-0" ALL SIDES IF THE VELOCITY IS ABOVE 300 FPM.

MAX VELOCITY OF MUA FROM TRANSFER AIR, DIFFUSERS, ETC. NOT TO EXCEED 75 FPM AT VENTILATOR TIP. CROSS DRAFTS FROM WINDOWS, HALLWAYS, OPENINGS NOT TO EXCEED 50 FPM.

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KITCHEN SPECIAL CONDITIONS PLAN

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	01/31/24
Scale: 1/4" = 1'-0"	Drawn / Checked

Sheet Number

KA-4