# TOWN OF WAYLAND

WAYLAND CoA COMMUNITY CENTER

8 ANDREW AVENUE, WAYLAND, MA 01778

DAI PROJECT #21-125-2125.04

90% CD SET

# **OWNER:**

TOWN OF WAYLAND 41 COCHITUATE RD. WAYLAND, MA 01778

# STRUCTURAL ENGINEER:

DIGIORGIO ASSOCIATES INC. 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 T: (617) 723-7100

# ARCHITECT:

DIGIORGIO ASSOCIATES INC. 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 T: (617) 723-7100

# MEP ENGINEER:

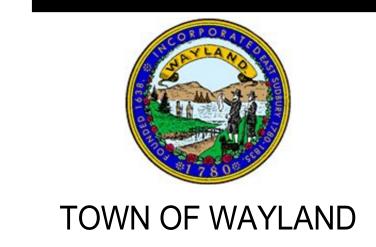
DIGIORGIO ASSOCIATES INC. 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 T: (617) 723-7100

# **CIVIL ENGINEER:**

MERIDIAN ASSOCIATES, INC 500 CUMMINGS CENTER, SUITE 5950 BEVERLY, MA 01915 T:(978) 299-0447

# **INTERIORS:**

THE INTERIORS GROUP 40 THORNDIKE ST. CONCORD, NH 03301 T: (617) 359-8699



WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE,
WAYLAND, MA 01778



HITECTURE B
NNING 5

529 MAIN STREET, SUITE 3 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

■ PORTLAND

500 WASHINGTON AVE

PORTLAND, ME 04103

TEL. 207.582.2400

FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO: DATE: DESCRIPTION:

B 10/12/2022 50% CD SET

C 11/23/2022 90% CD SET

KEY PLAN:

DRAWING TITLE:

DRAWN BY:

MK

CHECKED BY:

TA

SCALE:

PROJECT NO.:
21-125-2125.04

DRAWING NO.:

T-100

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rv

DATE & TIME PRINTED: 11/23/2022 2:56:31 PM

# GENERAL NOTES

### **PROJECT NOTES**

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE CODES, ORDINANCES AND ACCEPTED STANDARDS. THIS PROJECT SHALL CONFORM TO ALL APPLICABLE MUNICIPAL. STATE AND FEDERAL REGULATIONS HAVING JURISDICTION INCLUDING ACCESSIBILITY STANDARDS AND ADA REQUIREMENTS.

### I. GENERAL NOTES

1. ALL SUB-CONTRACTORS ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. AS APPLICABLE, REFER TO STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS.

2. THE PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS ARE OF EQUAL IMPORTANCE WITH THE ARCHITECTURAL DRAWINGS IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF MECHANICAL AND ELECTRICAL WORK. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ENGINEERING DRAWINGS IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK.

3. DO NOT SCALE THE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING THE

4. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN; WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

5. FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE, UNLESS OTHERWISE NOTED.

6. ANY DETAILS, SYSTEMS, MATERIAL (I.E. ARCHITECTURAL, STRUCTURAL, MECHANICAL, ETC.) WHICH ARE PROPOSED TO BE CHANGED OR SUBSTITUTED, MUST FIRST BE REVIEWED BY THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR FOR APPROVAL.

7. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL ESTABLISH ACCEPTABLE SCHEDULE AND PROCEDURES FOR THE EXECUTION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER OF THE PROGRESS OF THE WORK AND REVISIONS TO THE APPROVED SCHEDULE AS THEY OCCUR. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER OF ALL LONG LEAD TIME ITEMS AFFECTING PROJECT SCHEDULE. 8. THE CONTRACTOR IS RESPONSIBLE FOR THE REVISION AND CONTINUOUS MAINTENANCE OF ADEQUATE PROTECTION OF ALL THE WORK FROM DAMAGE DURING CONSTRUCTION UNTIL

9. THE CONTRACTOR SHALL COORDINATE WORK IN OCCUPIED OR INACCESSIBLE AREAS WITH OWNER. TEMPORARY PARTITIONS ARE TO BE PROVIDED AS REQUIRED BY THE OWNERS ICRA

10. CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER CONSTRUCTION INDICATED AS EXISTING ARE NOT GUARANTEED. BEFORE BEGINNING WORK, CONTRACTOR TO INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS, AND OTHER CONSTRUCTION AFFECTING THE WORK.

11. ALL DISSIMILAR METALS SHALL BE ISOLATED FROM EACH OTHER.

12. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES. METALS STRAPPING. BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE PROPER INSTALLATION OF ALL OFCI AND OFOI WALL MOUNTED EQUIPMENT AND ACCESSORIES. 13. ALL RECESSED MECHANICAL AND ELECTRICAL EQUIPMENT AND DEVICES LOCATED IN FIRE-

14. ALL FINISHES, FURNISHINGS AND FURNITURE SHALL COMPLY WITH APPLICABLE FLAME SPREAD AND SMOKE DEVELOPMENT RATING REQUIREMENTS FOR BUSINESS USE GROUP

### **II. FIRE RESISTANCE RATING**

SUBSTANTIAL COMPLETION.

POLICIES AND PERMIT PROCEDURES.

1. ALL EXISTING AND NEW PENETRATIONS THROUGH FIRE-RATED FLOORS, WALLS AND PARTITIONS WITHIN THE AREA OF WORK SHALL BE FIRE-STOPPED WITH APPROVED FIRE/SMOKE RATED PENETRATION SYSTEMS TO MAINTAIN FIRE RATING CONTINUITY OF THE CONSTRUCTION.

2. ALL FIRE RESISTIVE (LABELED) DOORS SHALL HAVE THE APPROPRIATE UL OR OTHER RATING AGENCY LABEL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AFFIXED TO BOTH DOOR AND FRAME. LABELS SHALL REMAIN INTACT AND VISIBLE. DO NOT PAINT OR REMOVE LABEL.

3. FIRE RATING INDICATION ON A WALL SHALL MEAN THE ENTIRE LENGTH OF WALL IS TO BE FIRE RATED, UNLESS NOTED OTHERWISE. 4. WHEREVER PIPING, DUCTS, ETC., PENETRATE FLOOR SLABS, THE WORK SHALL BE DONE IN A

MANNER THAT WILL PRESERVE THE FIRE RESISTIVE AND STRUCTURAL INTEGRITY OF THE

5. ALL ASSEMBLIES ARE TO COMPLY WITH UNDERWRITERS LABORATORIES (UL) TEST RATINGS. IN THE ABSENCE OF TESTED ASSEMBLY, CONSULT WITH ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF WORK.

### **III. DIMENSIONING**

1. PARTITIONS ARE DIMENSIONED TO THE FINISH FACE OF WALL UNLESS NOTED OTHERWISE. 2. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND COORDINATE THE WORK AS SHOWN ON THE DRAWINGS WITH ACTUAL FIELD CONDITIONS. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH

3. DOOR OPENINGS ARE GENERALLY DIMENSIONED TO THE CENTERLINE OF THE DOOR. DOOR OPENINGS THAT ARE NOT DIMENSIONALLY LOCATED ARE TO BE CENTERED BETWEEN WALLS OR LOCATED 4" (ON THE HINGE SIDE) FROM ADJACENT WALL OR COLUMN. CONSULT WITH THE ARCHITECT, PRIOR TO COMMENCEMENT OF CONSTRUCTION, FOR DOOR OPENINGS THAT ARE

4. WHEN NON-DIMENSIONED PARTITIONS APPEAR IN CONFLICT WITH DOOR OPENINGS, THE DOOR WIDTH AND DOOR FRAME DETAILS DETERMINE THE LOCATION OF ADJACENT WALLS AND

5. ALL DIMENSIONS SHALL BE VERIFIED AND COORDINATED WITH ALL THE WORK OF ALL

6. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR JAMB SIZES OF NEW DOORS LOCATED IN EXISTING WALLS.

### IV. MECHANICAL AND ELECTRICAL AREAS

1. FIRE PROTECTION SYSTEMS ARE TO MEET OWNER/TENANT UNDERWRITER FACTORY MUTUAL

2. GENERAL CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND ELECTRICAL FLOOR, ROOF AND WALL SLEEVES AND ALL MECHANICAL SHAFTS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL DRAWINGS.

3. REFER TO CERTIFIED MECHANICAL AND ELECTRICAL CONTRACTOR'S DRAWINGS AND MANUFACTURER'S TEMPLATE DRAWINGS FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT SUPPORTS, BOLT SETTING TEMPLATES, ISOLATIONS, SPRING ISOLATION, ETC. NOT SHOWN ON

4.THE CONTRACTOR SHALL FURNISH ALL STIFFENERS, BRACING, BACKING PLATES, METAL STRAPPING, F.T. BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE PROPER INSTALLATION OF ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL AND/OR MISCELLANEOUS EQUIPMENT FOR A COMPLETE INSTALLATION.

5. PROVIDE ACCESS PANELS AS REQUIRED FOR MECHANICAL EQUIPMENT. ALL ACCESS PANEL LOCATIONS SHALL BE REVIEWED WITH THE OWNER PRIOR TO PROCEEDING.

6. CONTRACTOR TO COORDINATE ALL ABOVE CEILING ITEMS AMONGST ALL TRADES. FINAL COORDINATION DRAWING WITH ALL CEILING ITEMS REPRESENTED TO BE SUBMITTED AS SHOP DRAWING TO THE ARCHITECT FOR REVIEW AND APPROVAL.

7. ALL EXPOSED MECHANICAL AND ELECTRICAL EQUIPMENT, LOUVERS, EXPOSED PIPING. CONDUITS, ETC. SHALL BE FINISHED WITH INDUSTRIAL ENAMEL PAINT AND COLOR CODED AS

## **ABBREVIATIONS**

A.C.P. ACOUSTIC CEILING PANEL A/C AIR CONDITION ALUM ALUMINUM A.B. ANCHOR BOLT & AND ANGLE APPROX. APPROXIMATELY ARCH ARCHITECTURAL A&G ASPHALT & GRAVEI

BL BASE LINE B.PL BASE PLATE BEAM BEAM BPC BED PAN BLK'G BLOCKING B.S. BOTH SIDES B.W. BOTH WAYS BOT BOTTOM BRK. BRICK

BLD'G BUILDING B/ BOTTOM OF - -CPT. CARPET CLG CEILING

CL CENTER LINE C.T.C. CERAMIC TILE COVE C.T. CERAMIC TILE CERM CERMAGUARD C.F. CEMENT FIBERBOARD C.L.F. CHAIN LINK FENCE

CR CHAIR RAIL C.O. CLEAN OUT CLR. CLEAR(ANCE) CLSR. CLOSÈR CLS. CLOSET CHK COAT HOOK COL. COLUMN

C.M. COCOA MAT CONC CONCRETE C.B. CONCRETE BLOCK CONC. BD. CONCRETE BOUND C.M.U. CONCRETE MASONRY UNIT CONSTR.CONSTRUCTION

CONT. CONTINUOUS C.J. CONTROL JOINT C.G. CORNER GUARD CORR. CORRIDOR CTSK. COUNTERSUNK CRS. COURSE CYL. CYLINDER

C/H CEILING HEIGHT DEPT DEPARTMENT DEP DEPRESSION DIAG DIAGONAL DIAMETER, ROUND DIM DIMENSION DO. DITTO

DR DOOR D.L. DOCK LEVELER D.A. DOUBLE ACTING D.S. DOWNSPOUT D. DRAIN DWG. DRAWING D.W. DRYWALL

E.F. EACH FACE E.W. EACH WAY E.W.C. ELECTRIC WATER COOLER ELEV. ELEVATOR, ELEVATION EL. ELEVATION

ENCL. ENCLOSE, ENCLOSURE ENG. ENGINEER(ING) ENT ENTRANCE EQ. EQUAL EQUIP EQUIPMENT EXIST EXISTING EXP EXPANSION, EXPOSED E.B. EXPANSION BOLT

E.J. EXPANSION JOINT EXTER EXTERIOR F.B. FACE BRICK F/ FACE OF - - -F. TO F. FACE TO FACE FT. FEET. FOOT F.W. FIELD WELD

FIN. FINISH F.E.C. FIRE EXTINGUISHER CABINET F.H.C. FIRE HOSE CABINET FLASH'G FLASHING FLR. FLOOR FLR'G FLOORING F.D. FLOOR DRAIN FLUOR. FLUORESCENT

FTG FOOTING FRT FIRE RETARDANT TREATED FDN. FOUNDATION F/H FULL HEIGHT FUS.LINKFUSIBLE LINK GA. GAGE OR GAUGE GALV GALVANIZED G.C. GENERAL CONTRACTOR

GL. GLASS GB GRAB RAIL GYP. BD. GYPSUM WALLBOARD

G.W.B. GYPSUM WALLBOARD

HDCP HANDICAP HDWR HARDWARE H.D. HEAVY DUTY HGT., HT. HEIGHT HPL HIGH PRESSURE PLASTIC LAMINATE H.C. HOLLOW CORE H.M. HOLLOW METAL HORIZ. HORIZONTAL

H.B. HOSE BIBB H.W.H. HOT WATER HEATER HUMI. HUMIGUARD CEILING IN.(") INCHES OFF. OFFICE O.C. ON CENTER

OP'G OPENING OPP. OPPOSITE OZ. OUNCE O.D. OUTSIDE DIAMETER O.F. OUTSIDE FACE O.A. OVERALL

O.H.D. OVERHEAD DOOR OFOI OWNER FURNISHED AND INSTALLED OFCI OWNER FURNISHED CONTRACTOR INSTALLED PT. PNEUMATIC TUBE SYSTEM PTD. PAINTED

PNL. PANEL P/H PARTIAL HEIGHT P.F. PARTICLE FILLED PTN. PARTITION PLAS. PLASTIC PL. PLASTIC P.LAM. PLASTIC LAMINATE

PLUM. PLUMBING LB. POUND P.S.I. POUNDS / SQUARE INCH P.S.F. POUNDS / SQUARE FOOT PREF. PREFINISHED P.M. PRESSED METAL PROP. PROPERTY / PROPOSED Q.T. QUARRY TILE Q.T.C. QUARRY TILE COVE

R. RADIUS / RISER REC RECEPTACLE / ELECTRICAL REF REFERENCE REINF REINFORCE(ING) REM REMOVE REQ'D REQUIRED REV. REVISION / REVERSE R.F. RIGID FRAME RD. ROAD R.D. ROOF DRAIN

R.W.L. RAIN WATER LEADER RGH. ROUGH SECT SECTION SFSI STERIS FURNISHED STERIS INSTALLED S.S. SERVICE SINK S/S STAINLESS STEEL SH.V. SHEET VINYL S.W. SHOP WELD

SL.DR. SLIDING DOOR S.C. SOLID CORE SPEC. SPECIFICATION SPR. SPRINKLER SQ. FT. SQUARE FEET STD. STANDARD STRUC. STRUCTURAL

SUSP SUSPENDED SYMM. SYMMETRICAL TELE TELEPHONE TLB THOUSAND POUND THR'D THRESHOLD TOIL. TOILET T/ TOP OF ---TB TOWEL BAR

TRU-GLZ TRU-GLAZE T. TREAD TYP. TYPICAL UC. UNDERCUT UNF UNFINISHED V.P. VENT PIPE VERT. VERTICAL

VIN. VINYL V.C.T. VINYL COMPOSITION TILE V.B.C. VINYL BASE COVE V.B.S. VINYL BASE STRAIGHT V.T.R. VENT THRU ROOF V.W.C. VINYL WALL COVERING WSCT WAINSCOT WB WALL BASE W.C. WATER CLOSET

WT WEIGHT W.W.F. WELDED WIRE FABRIC W.G. WIRE GLASS W.M. WIRE MESH W/ WITH W/O WITHOUT

WD WOOD WDB WOOD BASE W.P. WORKING POINT W.PF. WATER PROOF

### GENERAL LEGEND DEMOLITION NOTE KEY SECTION REFERENCE NUMBER **EXISTING DOOR TO** SECTION REFERENCE BE REMOVED **EXISTING PARTITION** TO BE REMOVED **DETAIL REFERENCE** EXISTING DOOR NUMBER DETAIL REFERENCE **EXISTING GLAZING** NEW DOOR WITH REFERENCE NUMBER NEW PARTITION TYPE

# CODES & STANDARDS

### **BUILDING AND LIFE SAFETY CODE CRITERIA:**

THE FOLLOWING CODES CONSTITUTE THE CRITERIA FOR THIS EVALUATION:

- INTERNATIONAL BUILDING CODE (IBC), 9TH EDITION IEBC + IBC 2015 WITH MASSACHUSETTS AMENDMENTS

- INTERNATIONAL EXISTING BUILDING CODE 2015, ITS APPENDICES, AND AS MODIFIED WITH MASSACHUSETTS AMENDMENTS.

- RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD 521 CMR AS REFERENCED IN 2015 INTERNATIONAL BUILDING CODE, CHAPTER 11, AND AS LISTED IN APPENDIX A OF 2015 INTERNATIONAL BUILDING CODE

- MASSACHUSETTS ELECTRICAL CODE (527 CMR)

MASSACHUSETTS PLUMBING CODE (248 CMR 2 00) - MASSACHUSETTS FUEL GAS CODE (248 CMR 3.00 THROUGH 8.00)

MASSACHUSETTS STATE BUILDING CODE (780 CMR, NINTH EDITION) - CHAPTER 13 - ENERGY CONSERVATION

- MASSACHUSETTS STATE BUILDING CODE (780 CMR, NINTH EDITION, CHAPTER 13)

### NUMBER SHEET NAME REVISION FIRE ALARM MEZZANINE PLAN TITLE SHEET TITLE SHEET DRAWING LIST AND GENERAL NOTES **ARCHITECTURAL** OVERALL GROUND AND MEZZENINE FLOOR PLAN ENLARGED FLOOR PLAN ENLARGED FLOOR PLAN PARTITION TYPES AND ENLARGED PLAN DETAILS ENLARGED GROUND FLOOR REFLECTED CEILING PLAN ENLARGED GROUND FLOOR REFLECTED CEILING PLAN REFLECTED CEILING PLAN DETAILS **EXTERIOR ELEVATIONS BUILDING SECTIONS BUILDING SECTIONS** INTERIOR ELEVATIONS TOILET ROOM PLANS AND ELEVATIONS CASEWORK DETAILS CASEWORK DETAILS DOOR AND HARDWARE SCHEDULE AND DETAILS OVERALL GROUND FINISH PLAN

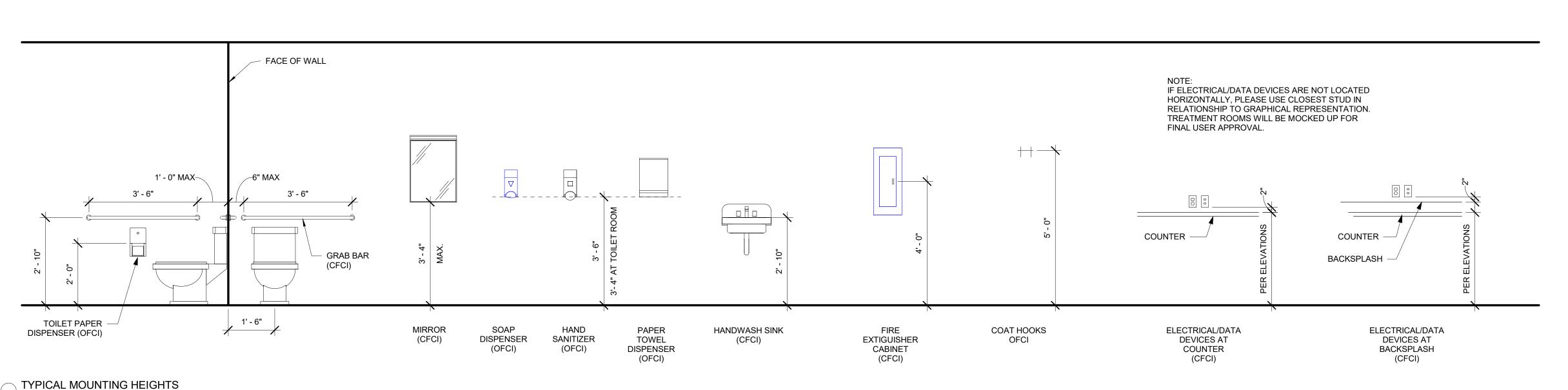
RUCTURAL	_		
00	OVERALL FOUNDATION PLAN	С	11/23/2022
01	ROOF FRAMING PLAN	С	11/23/2022
200	FOUNDATION SECTIONS	С	11/23/2022
201	FRAMING SECTIONS	С	11/23/2022
202	FRAMING SECTIONS	С	11/23/2022
203	FRAMING SECTIONS	С	11/23/2022
204	FRAMING SECTIONS	С	11/23/2022
RE PROTEC	CTION		
-001	FIRE PROTECTION NOTES, SYMBOLS, & NOTES	С	11/23/2022
-201	FIRE PROTECTION CONSTRUCTION PLAN	С	11/23/2022
UMBING			

DRAWING LIST

-20	TIKE FROTECTION CONSTRUCTION FLAN	U	11/23/2022
DLLIMBING	<b>、</b>		
PLUMBING			
P-001	PLUMBING NOTES, SYMBOLS, & LEGEND	C	11/23/2022
P-002	PLUMBING SCHEDULES	С	11/23/2022
P-200	PLUMBING UNDERSLAB CONSTRUCTION PLAN	С	11/23/2022
P-201	PLUMBING GROUND FLOOR CONSTRUCTION PLAN	С	11/23/2022
P-301	PLUMBING DETAILS	С	11/23/2022
MECHANIO	MECHANICAL NOTES, SYMBOLS, AND ABBREVIATIONS	С	11/23/2022
	· · · · · · · · · · · · · · · · · · ·		
MD-100	MECHANICAL FIRST FLOOR AND MEZZANINE DEMOLITION PLAN	С	11/23/2022
M-101	MECHANICAL FIRST FLOOR AND MEZZENINE PLAN	C	11/23/2022
M-601	MECHANICAL SCHEDULES	С	11/23/2022
M-801	MECHANICAL DETAILS	С	11/23/2022
M-901	MECHANICAL CONTROLS AND SEQUENCES	С	11/23/2022
M-901	MECHANICAL CONTROLS AND SEQUENCES	С	11/2

E-001	ELECTRICAL LEGEND	C	11/23/2022
ED-100	ELECTRICAL DEMOLITION - FIRST FLOOR	С	11/23/2022
ED-101	ELECTRICAL DEMOLITION - MEZZANINE	С	11/23/2022
E-100	ELECTRICAL SITE PLAN	С	11/23/2022
E-110	ELECTRICAL SITE ENLARGED PLAN	С	11/23/2022
E-150	ELETRICAL FIRST FLOOR PLAN	С	11/23/2022
E-201	ELECTRICAL FIRST FLOOR LIGHTING PLAN-LEFT	С	11/23/2022
E-202	ELECTRICAL FIRST FLOOR LIGHTING PLAN-RIGHT	С	11/23/2022
E-210	ELECTRICAL MEZZENINE LIGHTING PLAN	С	11/23/2022
Ξ-301	ELECTRICAL FIRST FLOOR POWER PLAN-RIGHT	С	11/23/2022
E-302	ELECTRICAL FIRST FLOOR LIGHTING PLAN	С	11/23/2022
E-303	ELECTRICAL MEZZENINE POWER PLAN	С	11/23/2022
E-350	ELECTRICAL PANTRY PART PLAN	С	11/23/2022
E-400	ELECTRICAL RISER	С	11/23/2022
E-500	ELECTRICAL SCHEDULES	С	11/23/2022
E-510	ELECTRICAL MECHANICAL SCHEDULE	С	11/23/2022
E-600	ELECTRICAL DETAILS SHEET 1 OF 2	С	11/23/2022
E-610	ELECTRICAL DETAILS SHEET 2 OF 2	С	11/23/2022

E-510	ELECTRICAL MECHANICAL SCHEDULE	С	11/23/2022
E-600	ELECTRICAL DETAILS SHEET 1 OF 2	С	11/23/2022
E-610	ELECTRICAL DETAILS SHEET 2 OF 2	С	11/23/2022
FIRE ALAR	M		
FA-000	FIRE ALARM LEYEND AND NOTES	С	11/23/2022
FA-100	FIRE ALARM RISER DIAGRAM & DETAILS	С	11/23/2022
FA-110	BI-DIRECTIONAL AMPLIFIER SYSTEM RISER DIAGRAM	С	11/23/2022
FA-200	FIRE ALARM FIRST FLOOR PLAN	С	11/23/2022
FA-201	FIRE ALARM FIRST FLOOR PLAN - LEFT	С	11/23/2022
FA-202	FIRE ALARM FIRST FLOOR PLAN - RIGHT	С	11/23/2022



TOWN OF WAYLAND

DATE

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

11/23/2022

WAYLAND CoA **COMMUNITY CENTER 8 ANDREW AVENUE** WAYLAND, MA 01778



529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100 FAX. 617.723.9113

> PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: DATE: DESCRIPTION: 10/12/2022 50% CD SET C 11/23/2022 90% CD SET

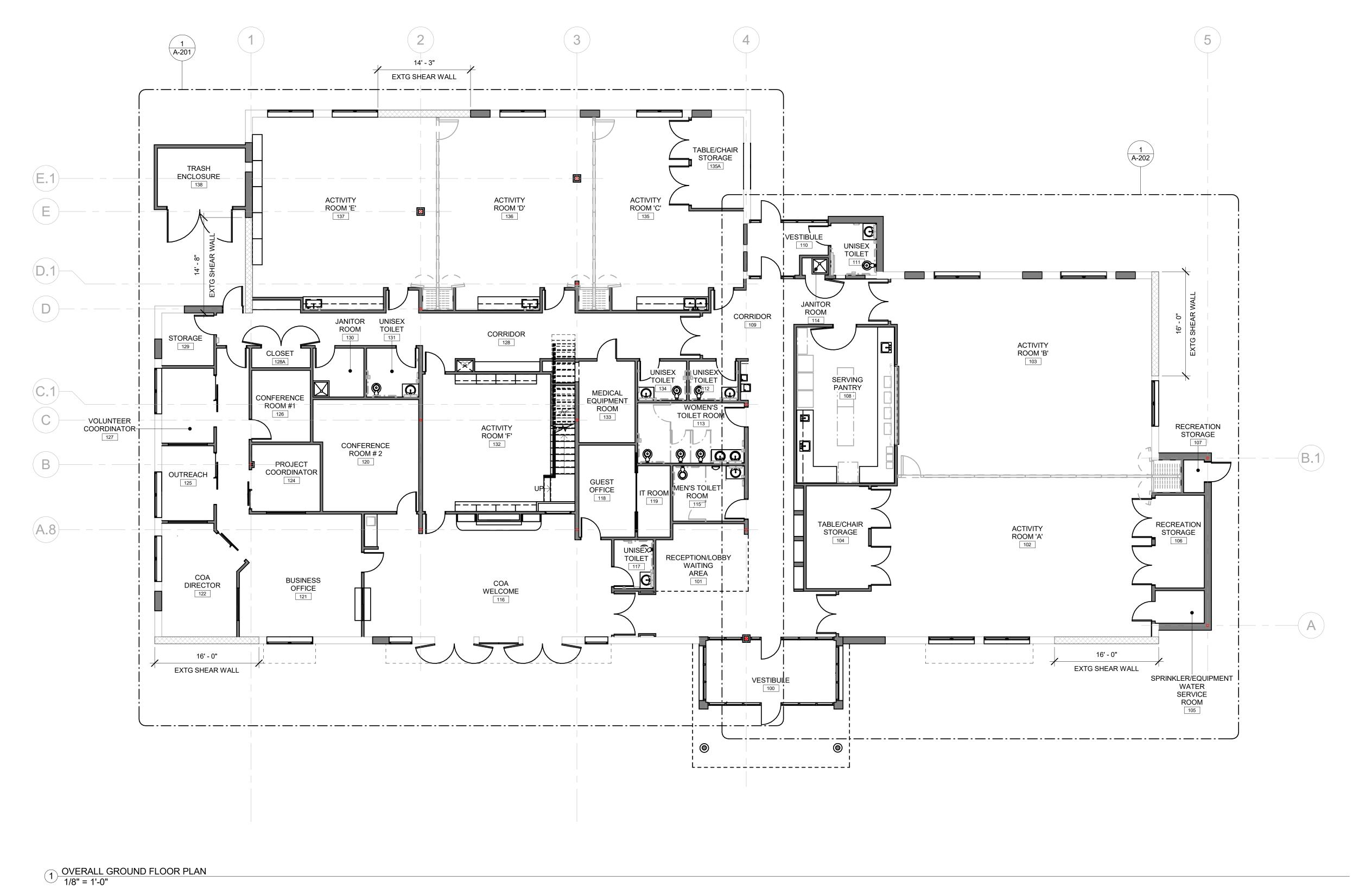
KEY PLAN:

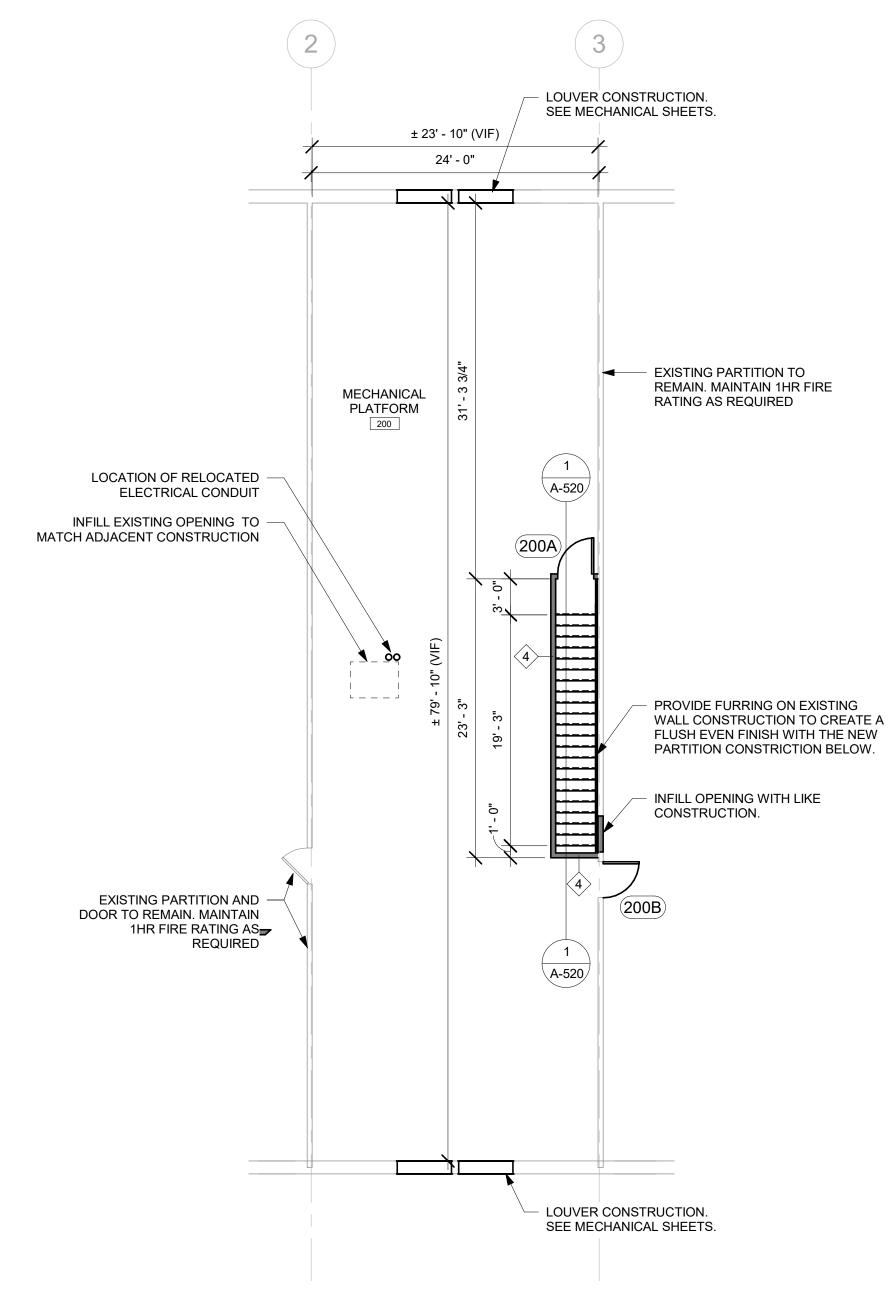
DRAWING TITLE: DRAWING LIST AND GENERAL

DRAWN BY:	SEAL:
MK	
CHECKED BY:	
TA	
SCALE:	
As indicated	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

T-101

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt DATE & TIME PRINTED: 11/23/2022 2:56:31 PM





TOWN OF WAYLAND WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE,



WAYLAND, MA 01778

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129

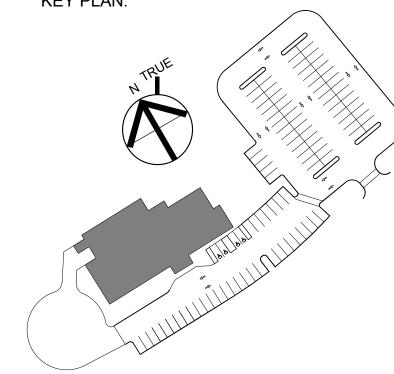
TEL. 617.723.7100 FAX. 617.723.9113 PORTLAND 500 WASHINGTON AVE

TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: A 09/19/2022 100% DD SET
B 10/12/2022 50% CD SET
C 11/23/2022 90% CD SET

KEY PLAN:



DRAWING TITLE: OVERALL GROUND AND MEZZENINE FLOOR PLAN

DRAWN BY: MK CHECKED BY: TA SCALE: 1/8" = 1'-0" PROJECT NO.: 21-125-2125.04 DRAWING NO.:

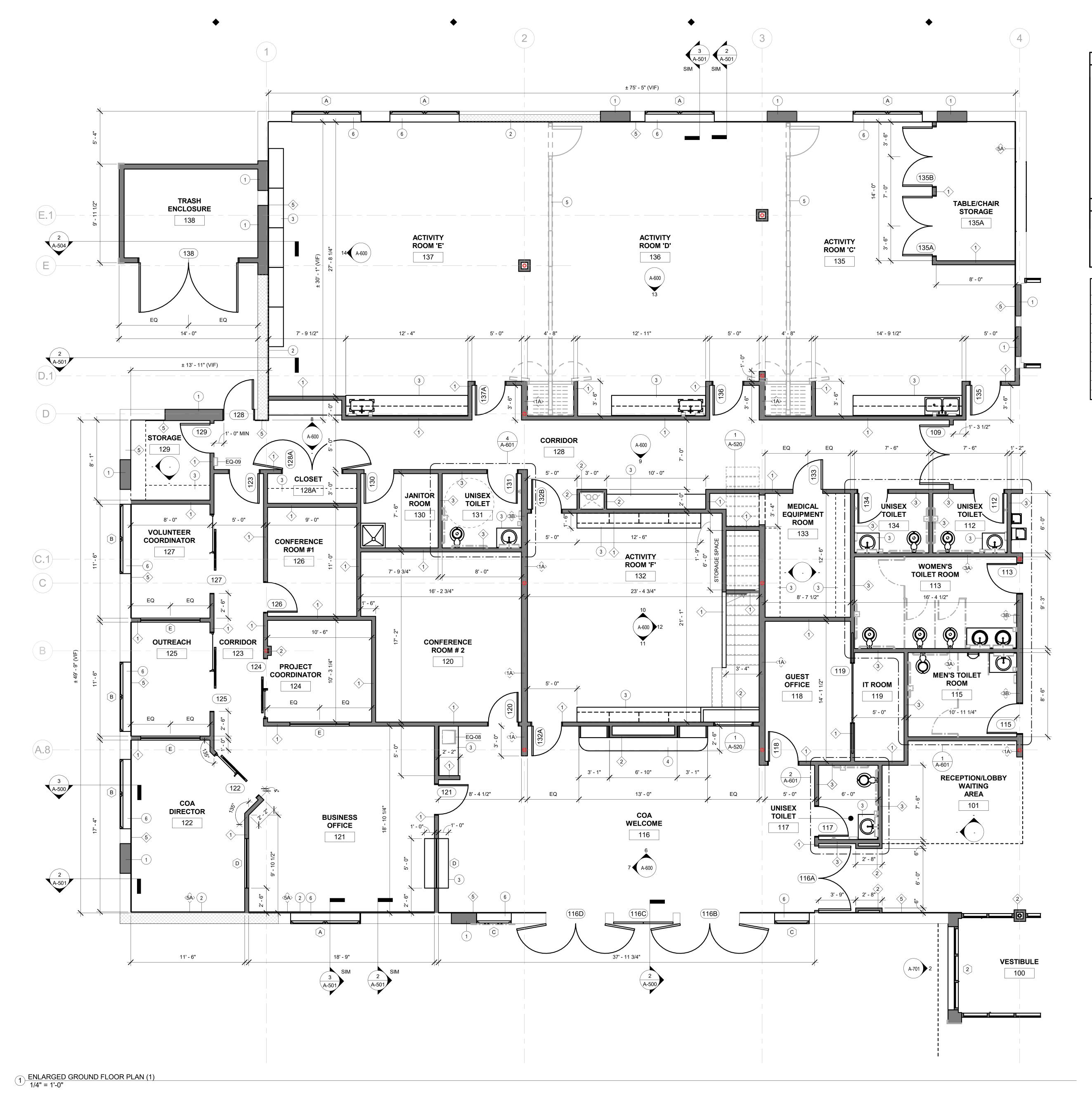
BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt DATE & TIME PRINTED: 11/23/2022 2:55:53 PM

**GENERAL NOTES** 

2 MEZZENINE FLOOR PLAN 1/8" = 1'-0"

WALLS CALLED OUT AS EXISTING MAY BE DEMOLISHED IN PART FOR NEW CONSTRUCTION REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO RECONSTRUCT THESE WALL AS PART OF THE PROJECT.

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS.
- CONTRACTOR TO PROVIDE IN WALL BLOCKING FOR ALL MOUNTED FURNITURE AND EQUIPMENT. CONTRACTOR TO DETERMINE LOCATIONS WHERE IN WALL BLOCKING OR RECESSED EQUIPMENT IS NOT POSSIBLE DUE TO EXISTING WALL CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF UTILITIES AND PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS. THE EXISTENCE AND LOCATIONS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE NOT GUARANTEED.



### **CODED NOTES**

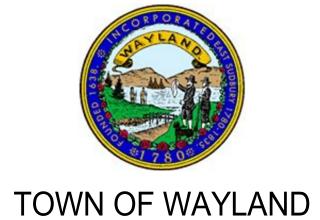
- (1) INFILL EXISTING PARTITION WITH LIKE CONSTRUCTION.
- (2) LOCATION OF SHEAR WALL CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR DETAILS.
- CASEWORK. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR ELEVATIONS FOR DETAILS.
- FIREPLACE FEATURE WALL CONSTRUCTION. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR
- (5) MOVEABLE PARTITION WALL CONSTRUCTION WITH ACCESS DOOR.
- PROVIDE BLOCKING AS REQUIRED ABOVE EXTERIOR WINDOWS FOR WINDOW TREATMENT.
- CENTER VESTIBULE DOOR ON CORRIDOR #109
- RECESS CONCRETE SLAB AS REQUIRED TO INSTALL WALK-OFF MATS. VERIFY DEPTH OF RECESS WITH MANUFACTURE RECOMMENDATIONS.
- (9) WOOD ROLL-UP DOOR AT SERVING PANTRY.

ELEVATION FOR DETAILS.

### **GENERAL NOTES**

- 1. PATCH CONSTRUCTION AT PLACES IMPACTED BY DEMOLITION.
- 2. PROVIDE IN WALL BLOCKING FOR ALL CASEWORK AND WALL MOUNTED EQUIPMENT.
- 3. PARTITIONS CALLED OUT AS EXISTING MAY HAVE BEEN DEMOLISHED IN PART DUE TO THE DEMOLITION AND CONSTRUCTION OR IN WALL ELECTRICAL, MECHANICAL, PLUMBING, OR BLOCKING. THE CONTRACTOR IS RESPONSIBLE TO REBUILD THESE WALLS AS PART OF THE PROJECT.

EQUIPMENT SCHEDULE				
MARK	EQUIPMENT	COMMENT		
EQ-01	BABY CHANGING STATION	CFCI		
Q-02	ACCESSIBLE TILT MIRROR	CFCI		
EQ-03	PAPER TOWEL DISPENSER	OFCI		
EQ-04	SOAP DISPENSER	OFCI		
EQ-05	COAT HOOK	CFCI		
EQ-06	GRAB BAR	CFCI		
EQ-07	TOILET PAPER DISPENSER	OFCI		
EQ-08	ICE MACHINE	OFCI		
EQ-09	FIRE EXTINGUISHER	CFCI		



WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE, WAYLAND, MA 01778



A LiRo Group Company

BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100

FAX. 617.723.9113 PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103

TEL. 207.582.2400

FAX. 207.582.8320

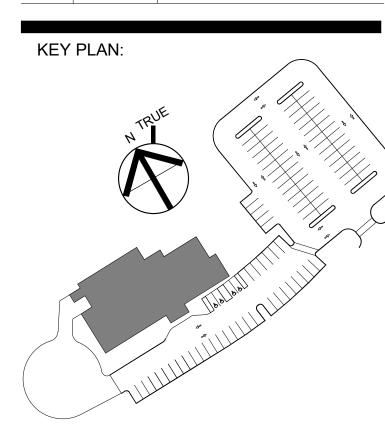
CONSULTANT:

ISSUE/REVISION: 
 Date 4
 Revision 4

 A
 09/19/2022
 100% DD SET

 B
 10/12/2022
 50% CD SET

 C
 11/23/2022
 90% CD SET



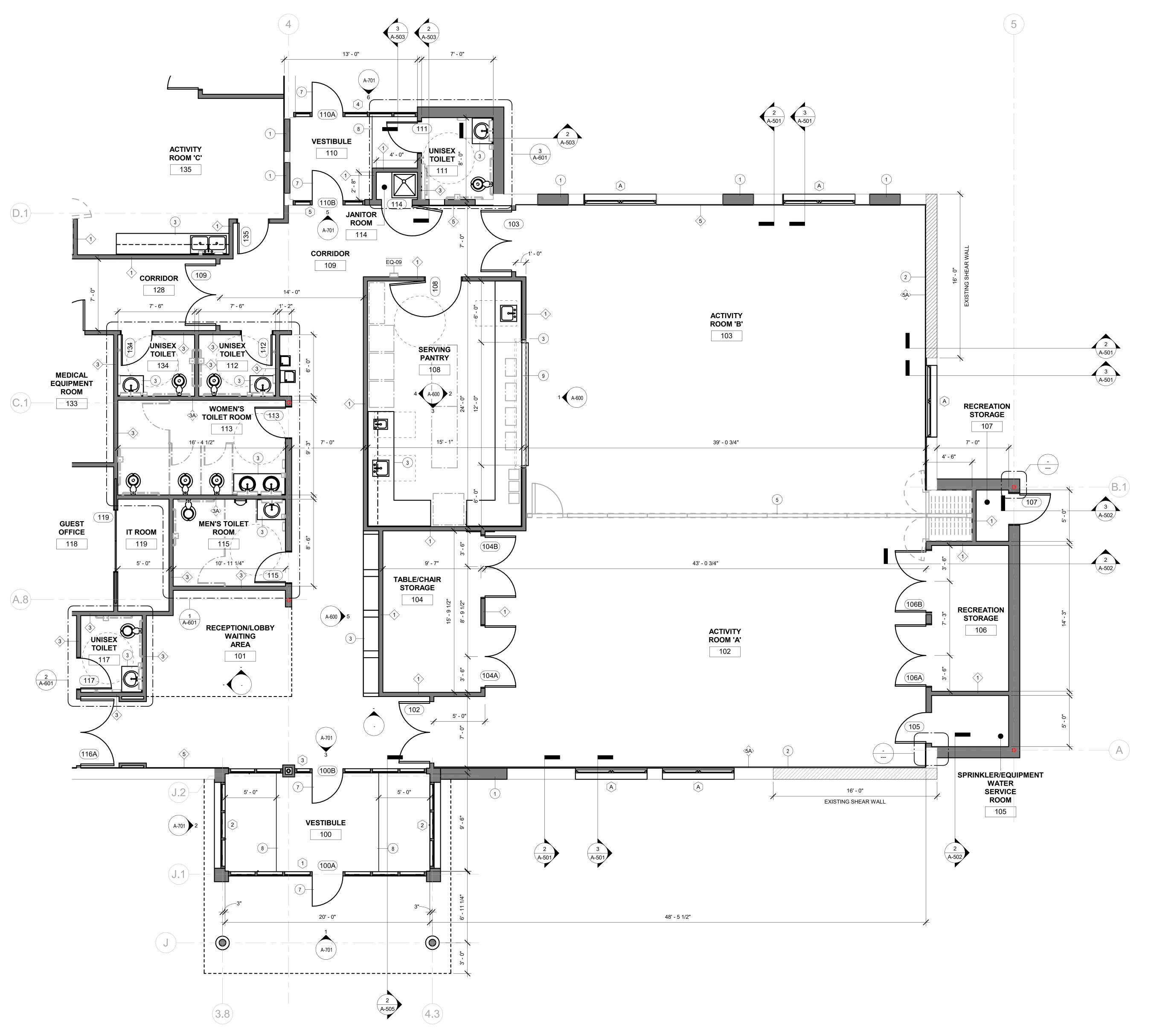
DRAWING TITLE:
ENLARGED FLOOR PLAN

DRAWN BY: MK CHECKED BY: TA 1/4" = 1'-0" PROJECT NO.: 21-125-2125.04 DRAWING NO.:

A-201

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:55:56 PM



1 ENLARGED GROUND FLOOR PLAN (2) 1/4" = 1'-0"

### CODED NOTES

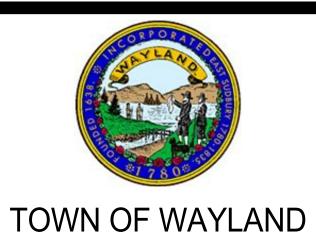
- 1 INFILL EXISTING PARTITION WITH LIKE CONSTRUCTION.
- 2 LOCATION OF SHEAR WALL CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR DETAILS.
- 3 CASEWORK. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR ELEVATIONS FOR DETAILS.
- FIREPLACE FEATURE WALL CONSTRUCTION. PROVIDE FRT WOOD BLOCKING. SEE INTERIOR ELEVATION FOR DETAILS.
- 5 MOVEABLE PARTITION WALL CONSTRUCTION WITH ACCESS DOOR.
- (6) PROVIDE BLOCKING AS REQUIRED ABOVE EXTERIOR WINDOWS FOR WINDOW TREATMENT.
- (7) CENTER VESTIBULE DOOR ON CORRIDOR #109
- 8 RECESS CONCRETE SLAB AS REQUIRED TO INSTALL WALK-OFF MATS. VERIFY DEPTH OF RECESS WITH MANUFACTURE RECOMMENDATIONS.
- 9 WOOD ROLL-UP DOOR AT SERVING PANTRY.

### **GENERAL NOTES**

1. PATCH CONSTRUCTION AT PLACES IMPACTED BY DEMOLITION.

- 2. PROVIDE IN WALL BLOCKING FOR ALL CASEWORK AND WALL MOUNTED EQUIPMENT.
- 3. PARTITIONS CALLED OUT AS EXISTING MAY HAVE BEEN DEMOLISHED IN PART DUE TO THE DEMOLITION AND CONSTRUCTION OR IN WALL ELECTRICAL, MECHANICAL, PLUMBING, OR BLOCKING. THE CONTRACTOR IS RESPONSIBLE TO REBUILD THESE WALLS AS PART OF THE PROJECT.

	EQUIPMENT SCHEDULE				
MARK	EQUIPMENT COMMENT				
EQ-01	BABY CHANGING STATION	CFCI			
EQ-02	ACCESSIBLE TILT MIRROR	CFCI			
EQ-03	PAPER TOWEL DISPENSER	OFCI			
EQ-04	SOAP DISPENSER	OFCI			
EQ-05	COAT HOOK	CFCI			
EQ-06	GRAB BAR	CFCI			
EQ-07	TOILET PAPER DISPENSER	OFCI			
EQ-08	ICE MACHINE	OFCI			
EQ-09	FIRE EXTINGUISHER	CFCI			



WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE,
WAYLAND, MA 01778



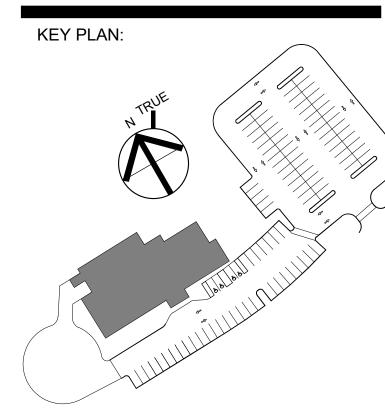
INCORPORATED

A LiRo Group Company

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:



DRAWING TITLE:
ENLARGED FLOOR PLAN

DRAWN BY:

MK

CHECKED BY:

TA

SCALE:

1/4" = 1'-0"

PROJECT NO.:

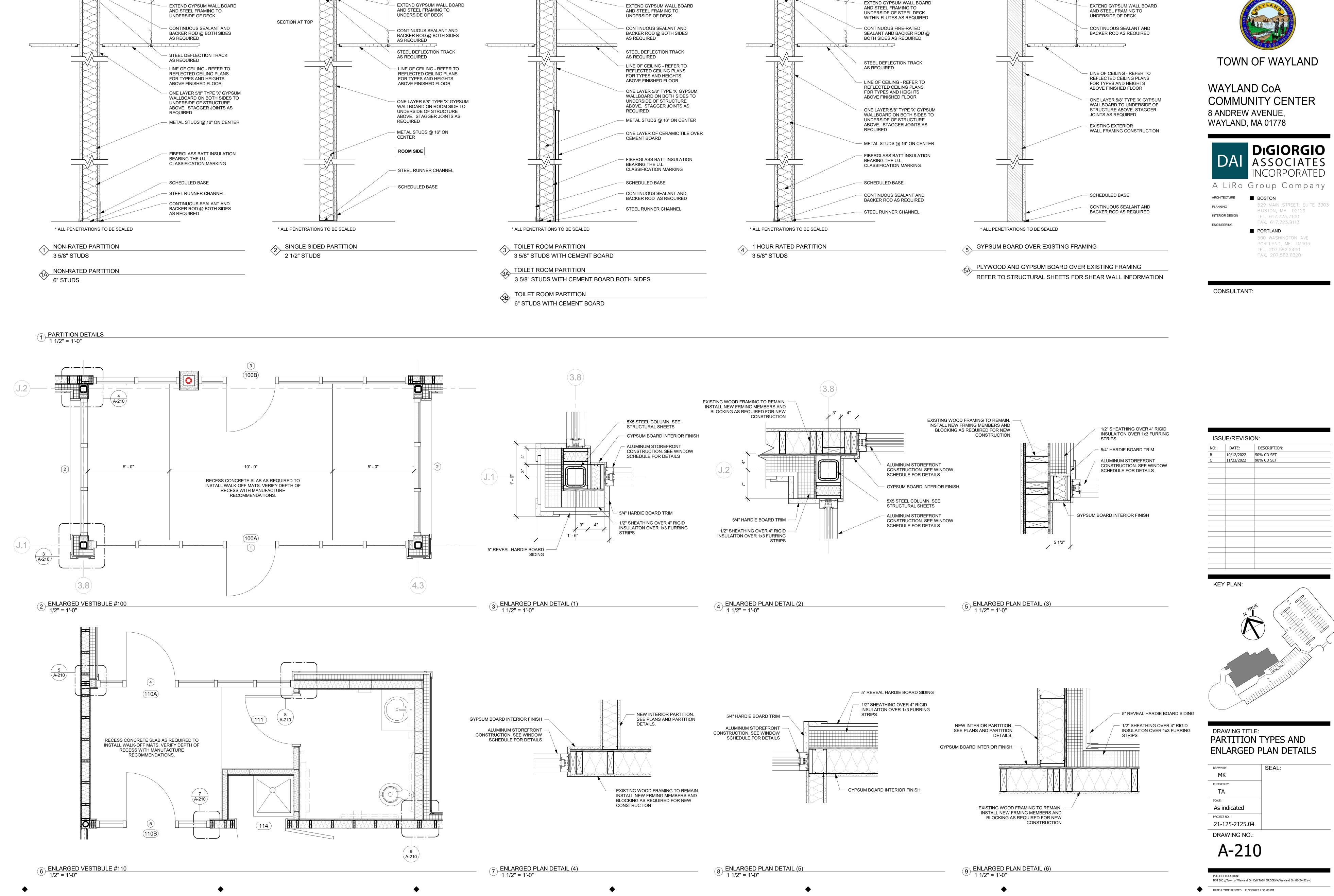
21-125-2125.04

DRAWING NO.:

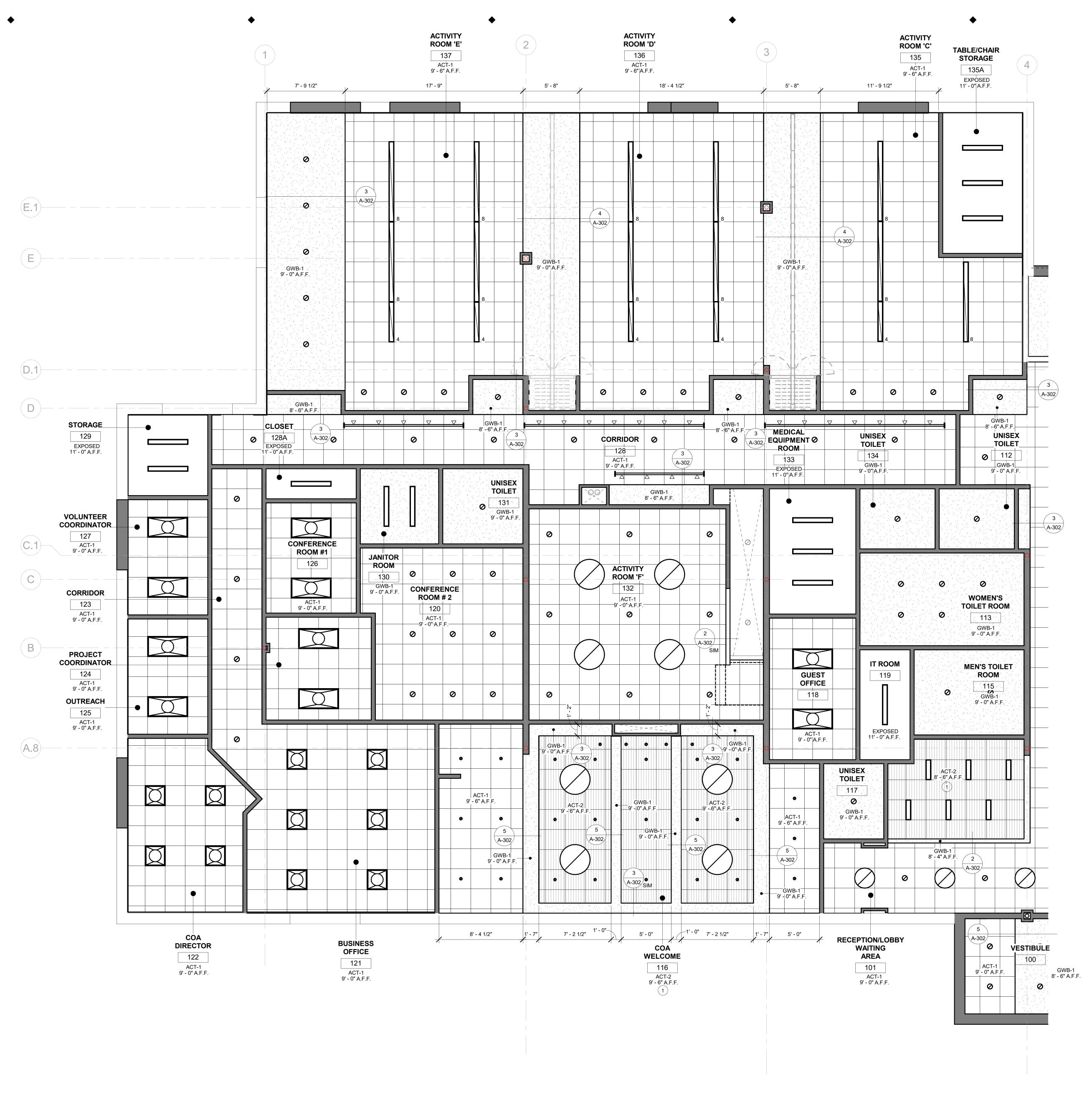
A-202

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:55:58 PM







1 ENLARGED GROUND FLOOR RCP (1) 1/4" = 1'-0"

	ACOUSTIC CEILING TILE (SEE FINISH SCHEDULE)		GYPSUM BOARD CEILING (SEE FINISH SCHEDULE)
	2x2 LIGHT FIXTURE (SEE ELECT. SHEETS)		GYPSUM BOARD SOFFIT (SEE FINISH SCHEDULE)
	2x4 LIGHT FIXTURE	Ø	RECCESSED DOWNLIGHT (SEE ELECT. SHEETS)
	(SEE ELECT. SHEETS)		2'DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	4x4 LIGHT FIXTURE (SEE ELECT. SHEETS)		3'DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	HVAC DIFFUSERS (SEE MECHANICAL DWGS)		TRACK LIGHT FIXTURE (SEE ELECT. SHEETS)
			4' STRIP LIGHT FIXTURE (SEE ELECT. SHEETS)
		4	4' PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
•	SPRINKLER HEAD (SEE FIRE PROTECTION SHEETS)	8	8' PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
			WOOD GRILL LIGHT FIXTURE (SEE ELECT. SHEETS)
GENERAL NOTES			
2. COORDINATE W	SS ARE TO BE AT 8'-6" AFF UNLES ITH ENGINEERING DRAWINGS. NO FIRE SPRINKLERS, ETC. MAY BE S	OT ALL REQUIRED ACC	ESS PANELS, AIR DEVICES,

3. REFER TO ENGINEERING DRAWINGS FOR ELECTRICAL, PLUMBING, FIRE PROTECTION AND HVAC

5. IT IS THE INTENT THAT ENGINEERING SYSTEM ITEMS TYPICALLY BE PLACED CENTER OF TILE, IN

SYSTEM LAYOUTS AND QUANTITIES OF ITEMS. THE REFLECTED CEILING PLAN GOVERNS IN REGARD

### 4. ENGINEERING ITEMS REQUIRED THAT ARE NOT SHOWN ON THE REFLECTED CEILING PLAN SHALL BE LOCATED AS DESCRIBED HEREIN OR AS DIRECTED BY THE ARCHITECT.

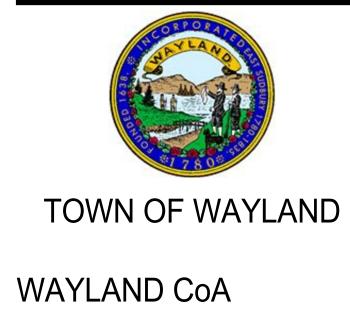
REFLECTED CEILING PLAN CODED NOTES

MANUFACTURERS.

(1) PAINT GYPSUM BOARD AIR BARRIER ABOVE WOOD GRILL CEILING

LINE, AND / OR SYMMETRICAL AS APPLICABLE UNLESS SHOWN OTHERWISE.

6. REFER TO INTERIOR FINISH SCHEDULE FOR REFLECTED PLAN CEILING TYPES AND



**COMMUNITY CENTER** 8 ANDREW AVENUE, WAYLAND, MA 01778



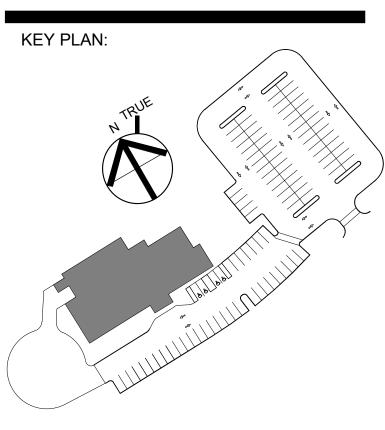
BOSTON INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

100		ON.	
155	UE/REVISI	ON:	
NO:	DATE:	DESCRIPTION:	
	Date 4	Revision 4	
Α	09/19/2022	100% DD SET	
В	10/12/2022	50% CD SET	
С	11/23/2022	90% CD SET	
		I I	



DRAWING TITLE: ENLARGED GROUND FLOOR REFLECTED CEILING PLAN

DRAWN BY:	SEAL:
MK	
CHECKED BY:	
JZ	
SCALE:	
1/4" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	

DRAWING NO.:

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:56:03 PM



REFLECTED CE	EILING PLAN LEGEND		
	ACOUSTIC CEILING TILE (SEE FINISH SCHEDULE)		GYPSUM BOARD CEILING (SEE FINISH SCHEDULE)
	2x2 LIGHT FIXTURE (SEE ELECT. SHEETS)		GYPSUM BOARD SOFFIT (SEE FINISH SCHEDULE)
	2x4 LIGHT FIXTURE (SEE ELECT. SHEETS)	Ø	RECCESSED DOWNLIGHT (SEE ELECT. SHEETS)
	,		2'DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	4x4 LIGHT FIXTURE (SEE ELECT. SHEETS)		3'DIA DRUM LIGHT FIXTURE (SEE ELECT. SHEETS)
	HVAC DIFFUSERS		TRACK LIGHT FIXTURE (SEE ELECT. SHEETS)
	(SEE MECHANICAL DWGS)		4' STRIP LIGHT FIXTURE (SEE ELECT. SHEETS)
		4	4' PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
•	SPRINKLER HEAD (SEE FIRE PROTECTION SHEETS)	8	8' PENDANT LIGHT FIXTURE (SEE ELECT. SHEETS)
			WOOD GRILL LIGHT FIXTURI (SEE ELECT. SHEETS)
GENERAL NOTES			

1. ALL ACT CEILINGS ARE TO BE AT 8'-6" AFF UNLESS OTHERWISE NOTED.

2. COORDINATE WITH ENGINEERING DRAWINGS. NOT ALL REQUIRED ACCESS PANELS, AIR DEVICES, LIGHT FIXTURES, FIRE SPRINKLERS, ETC. MAY BE SHOWN. FINAL QUANTITIES AND PLACEMENT APPROVED IN CONSTRUCTION SUBMITTALS / SHOP DRAWINGS.

3. REFER TO ENGINEERING DRAWINGS FOR ELECTRICAL, PLUMBING, FIRE PROTECTION AND HVAC SYSTEM LAYOUTS AND QUANTITIES OF ITEMS. THE REFLECTED CEILING PLAN GOVERNS IN REGARD TO THE LOCATION OF SUCH ITEMS.

4. ENGINEERING ITEMS REQUIRED THAT ARE NOT SHOWN ON THE REFLECTED CEILING PLAN SHALL BE LOCATED AS DESCRIBED HEREIN OR AS DIRECTED BY THE ARCHITECT.

5. IT IS THE INTENT THAT ENGINEERING SYSTEM ITEMS TYPICALLY BE PLACED CENTER OF TILE, IN LINE, AND / OR SYMMETRICAL AS APPLICABLE UNLESS SHOWN OTHERWISE.6. REFER TO INTERIOR FINISH SCHEDULE FOR REFLECTED PLAN CEILING TYPES AND MANUFACTURERS.

### REFLECTED CEILING PLAN CODED NOTES

1 PAINT GYPSUM BOARD AIR BARRIER ABOVE WOOD GRILL CEILING



WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE,
WAYLAND, MA 01778



ARCHITECTURE

BOSTON

529 MAIN
BOSTON,
INTERIOR DESIGN

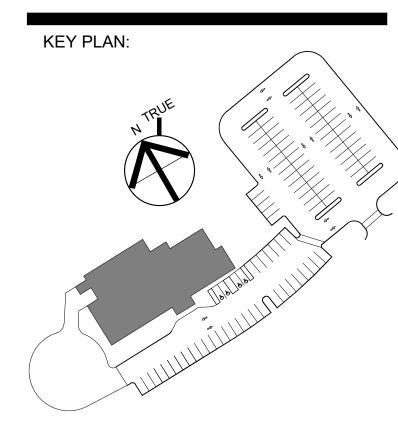
TEL 617

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:



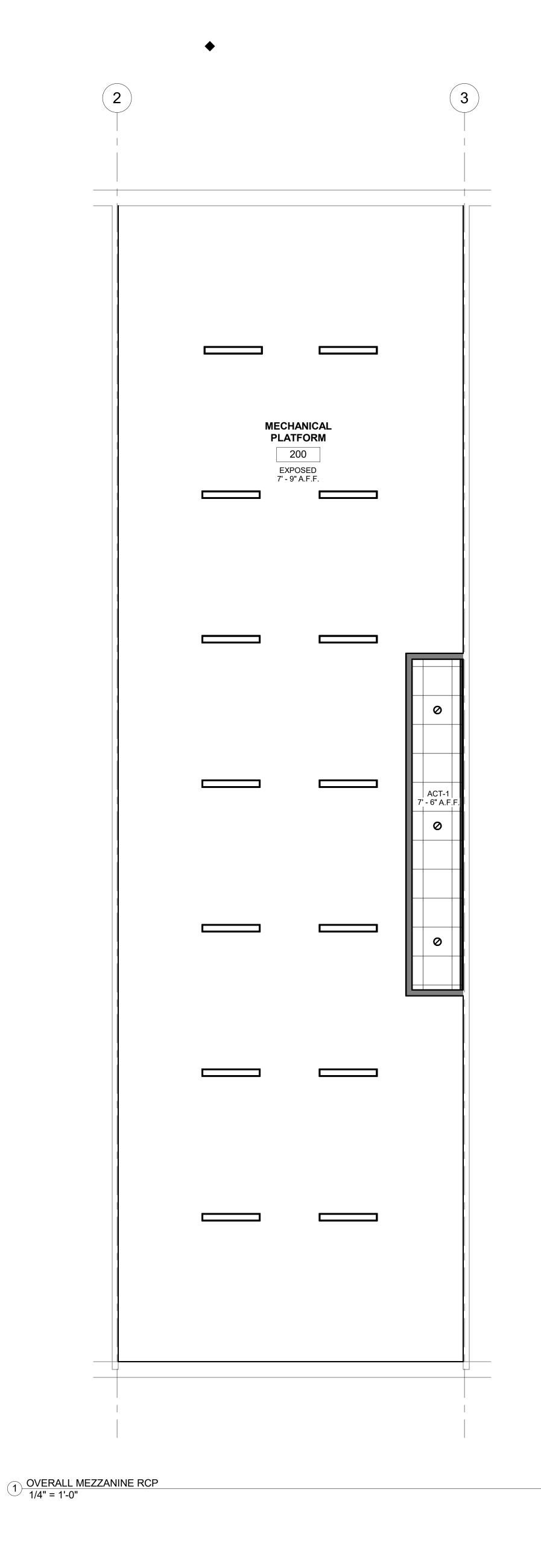
DRAWING TITLE:
ENLARGED GROUND FLOOR
REFLECTED CEILING PLAN

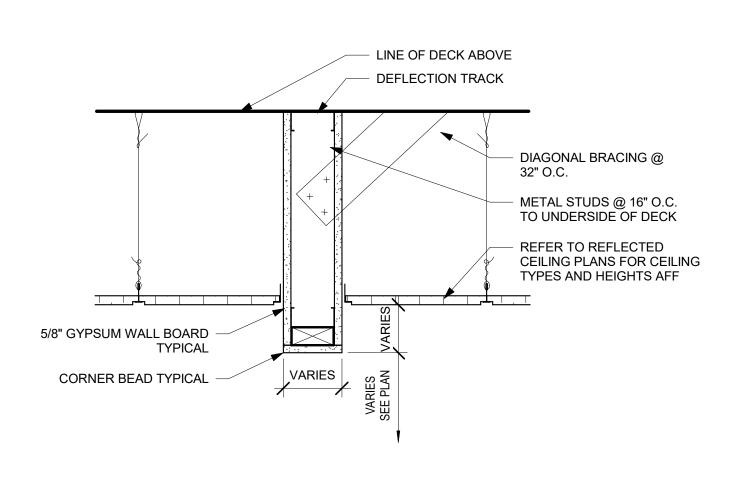
MK	
CHECKED BY:	
TA	
SCALE:	
1/4" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	

DRAWING NO.:

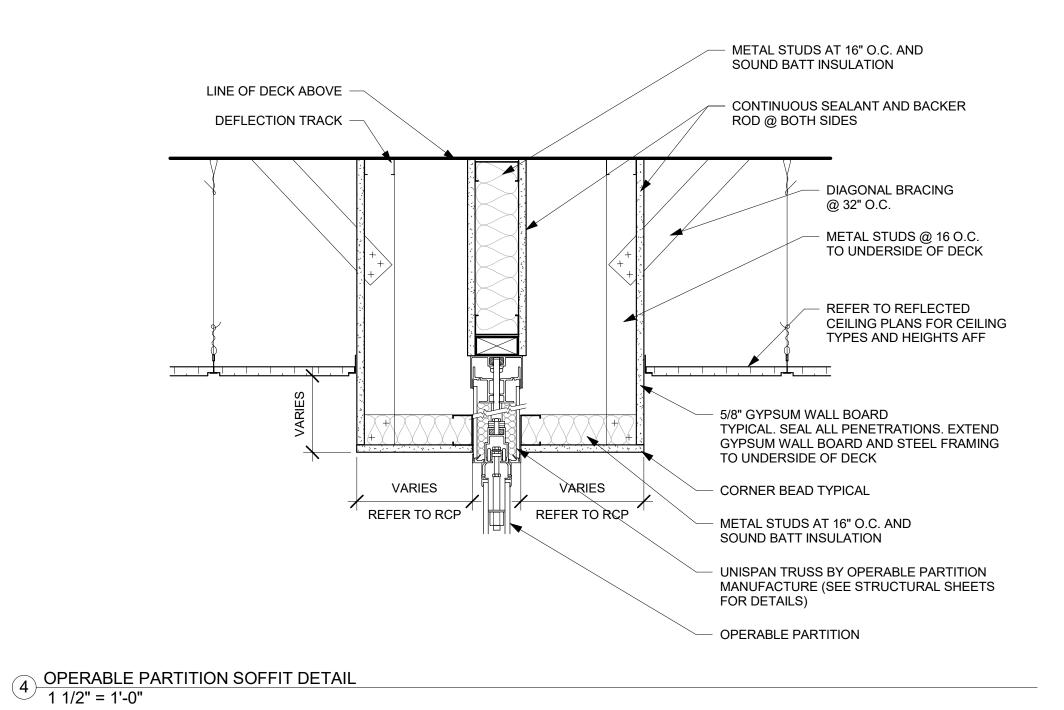
PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:56:06 PM



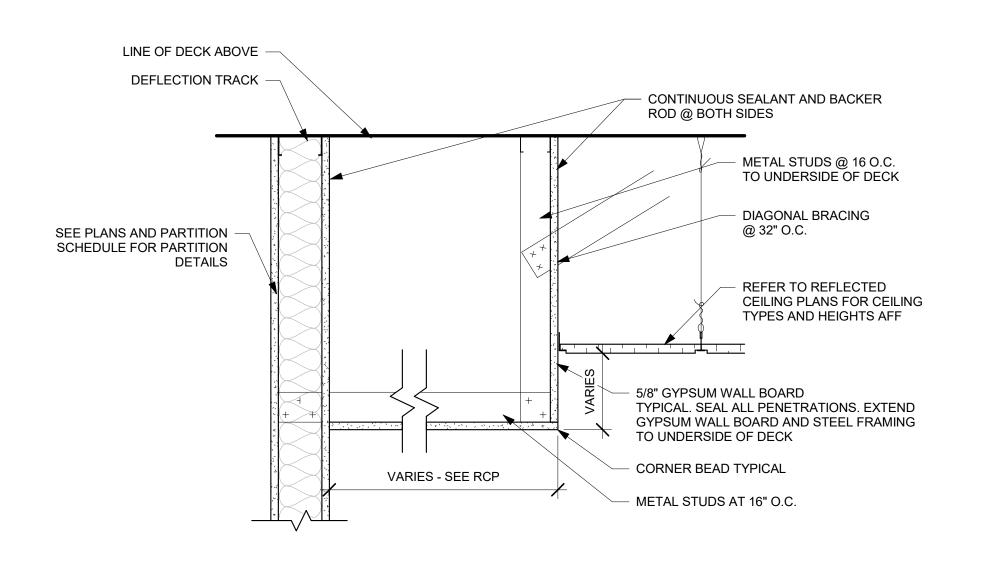


2 DROP SOFFIT DETAIL
1 1/2" = 1'-0"

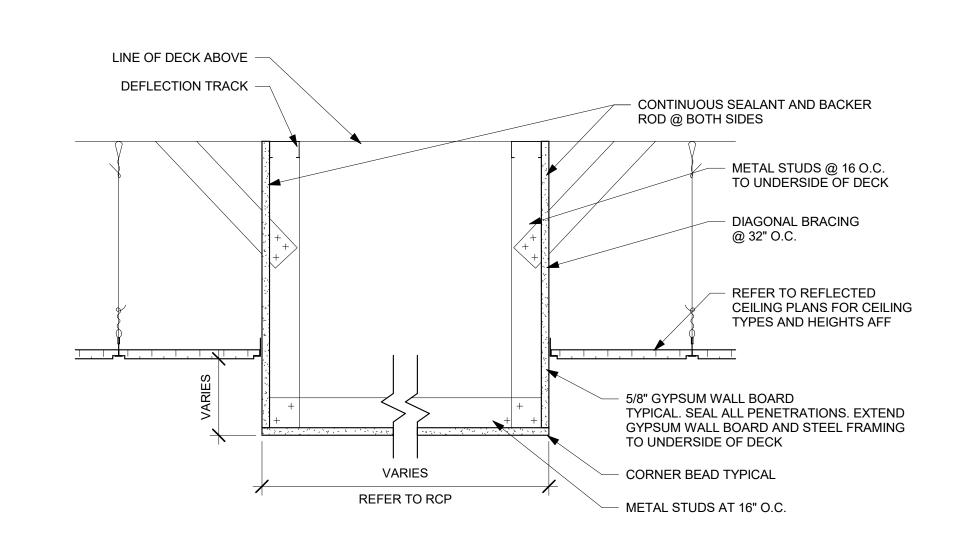


LINE OF DECK ABOVE DEFLECTION TRACK CONTINUOUS SEALANT AND BACKER
 ROD @ BOTH SIDES METAL STUDS @ 16 O.C.
 TO UNDERSIDE OF DECK - DIAGONAL BRACING @ 32" O.C. DIAGONAL BRACING @ REFER TO REFLECTED METAL STUDS @ 16" O.C. -TO UNDERSIDE OF DECK CEILING PLANS FOR CEILING TYPES AND HEIGHTS AFF REFER TO REFLECTED — CEILING PLANS FOR CEILING TYPES AND HEIGHTS AFF - 5/8" GYPSUM WALL BOARD TYPICAL. SEAL ALL PENETRATIONS. EXTEND GYPSUM WALL BOARD AND STEEL FRAMING TO UNDERSIDE OF DECK 5/8" GYPSUM WALL BOARD -- CORNER BEAD TYPICAL CORNER BEAD TYPICAL - METAL STUDS AT 16" O.C. REFER TO RCP

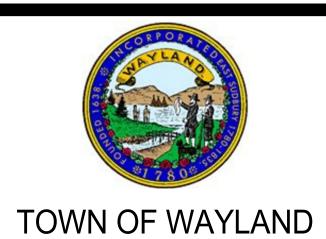
6 DROP w/ GYP BOARD SOFFIT DETAIL 1/2" = 1'-0"



3 GYPSUM BOARD SOFFIT DETAIL 1 1/2" = 1'-0"



5 WIDE DROP SOFFIT DETAIL 1 1/2" = 1'-0"



WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE, WAYLAND, MA 01778



BOSTON

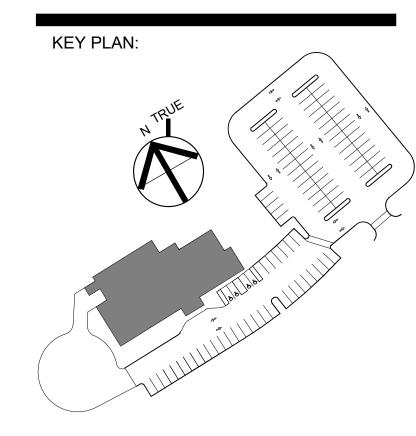
520 MAIN STREET SHI

PLANNING 529 MAIN STREET, SUITE 3303
BOSTON, MA 02129
INTERIOR DESIGN TEL. 617.723.7100
FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:



DRAWING TITLE:
REFLECTED CEILING PLAN
DETAILS

DRAWN BY:

MK

CHECKED BY:

TA

SCALE:

As indicated

PROJECT NO::

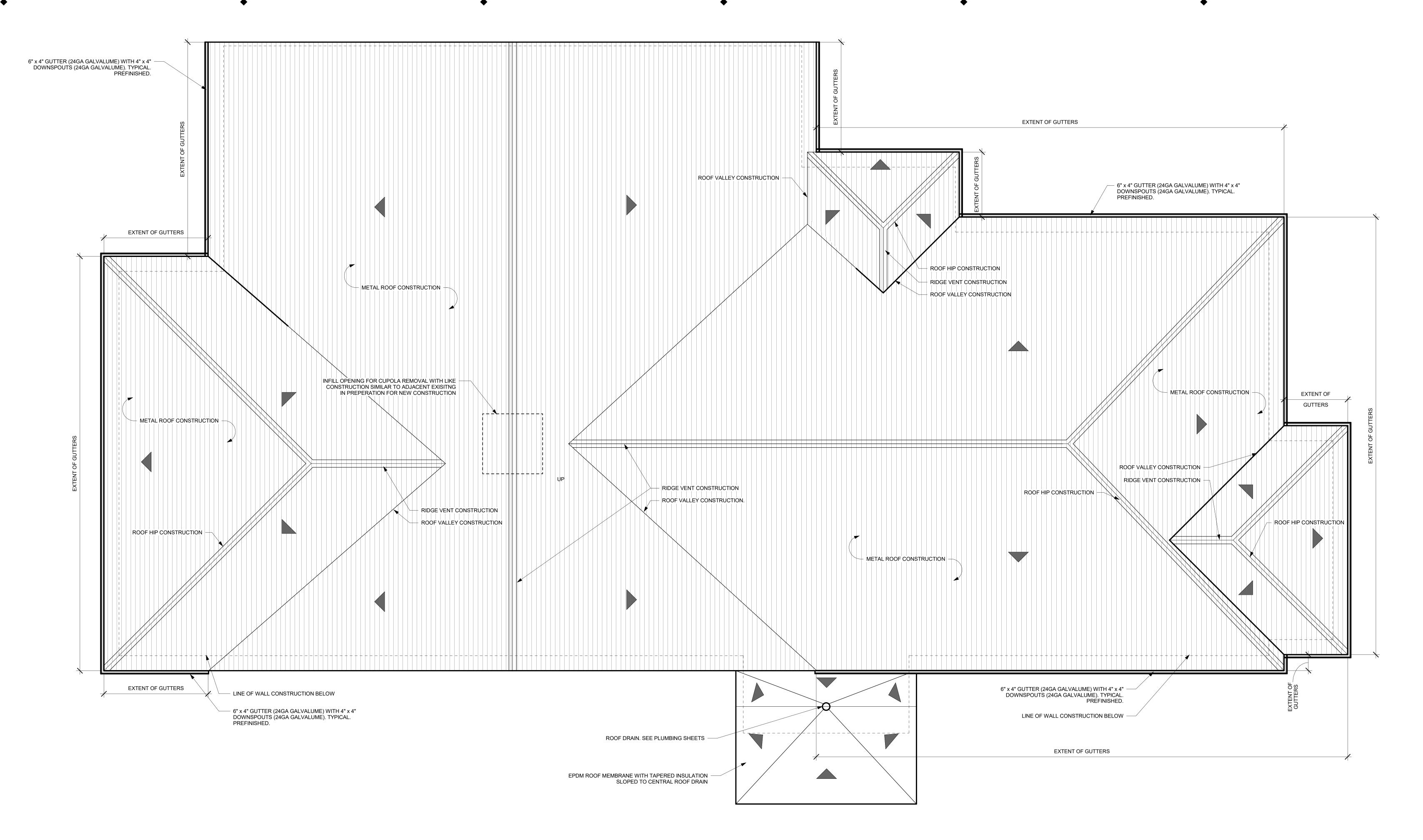
21-125-2125.04

DRAWING NO.:

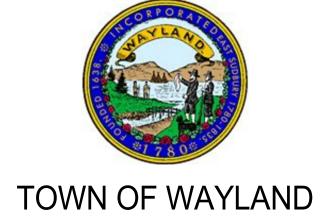
A-302

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:56:07 PM



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



TOVVIN OF VVATLAINL

WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE,
WAYLAND, MA 01778



A LiRo Group Company

ARCHITECTURE BOSTON

NNING 529 MAIN STREET, SUITE 3303
BOSTON, MA 02129
ERIOR DESIGN TEL. 617.723.7100
FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

KEY PLAN:

DRAWING TITLE:
OVERALL ROOF PLAN

DRAWN BY:

MK

CHECKED BY:

TA

SCALE:

3/16" = 1'-0"

PROJECT NO.:

21-125-2125.04

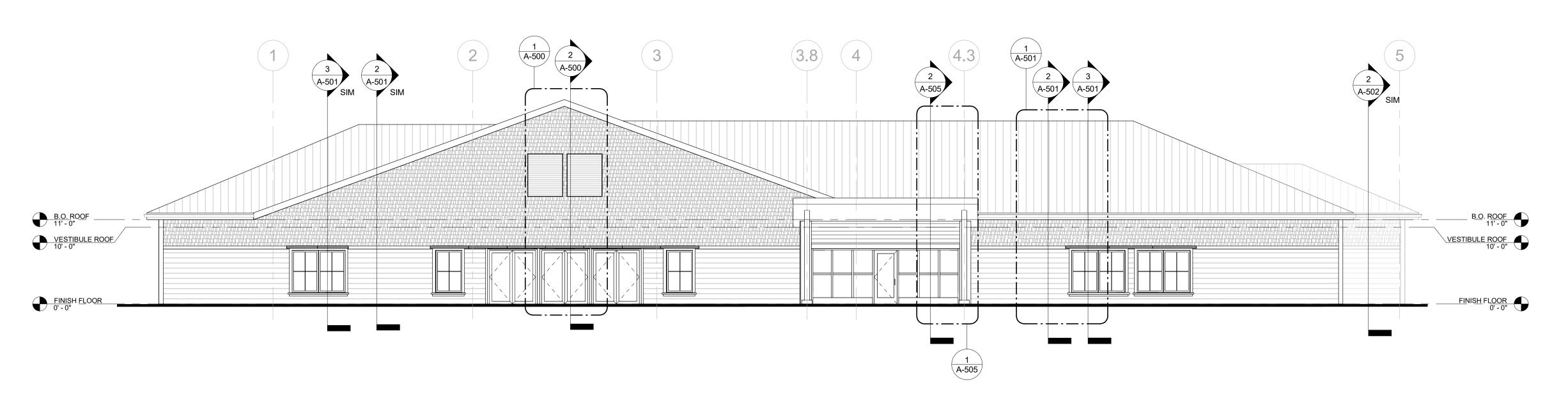
DRAWING NO.:

A-310

BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

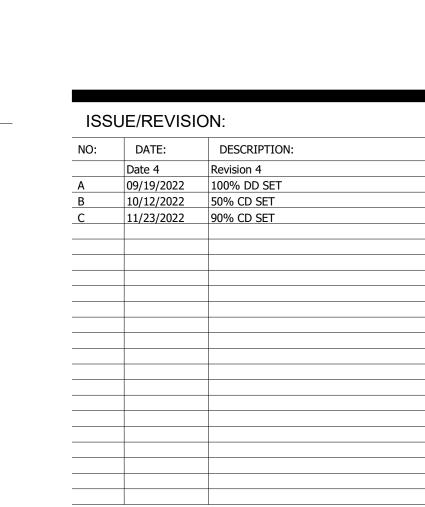
DATE & TIME PRINTED: 11/23/2022 2:56:08 PM

EXTERIOR MATERIAL SCHEDULE MANUFACTURER MODEL COLOR COMMENTS



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





TOWN OF WAYLAND

COMMUNITY CENTER

DAI DIGIORGIO ASSOCIATES INCORPORATED

A LiRo Group Company

PORTLAND

CONSULTANT:

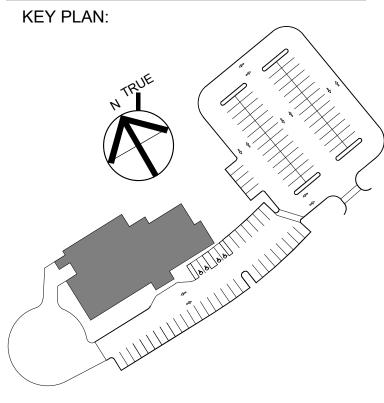
529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400

FAX. 207.582.8320

WAYLAND CoA

8 ANDREW AVENUE, WAYLAND, MA 01778



DRAWING TITLE:
EXTERIOR ELEVATIONS

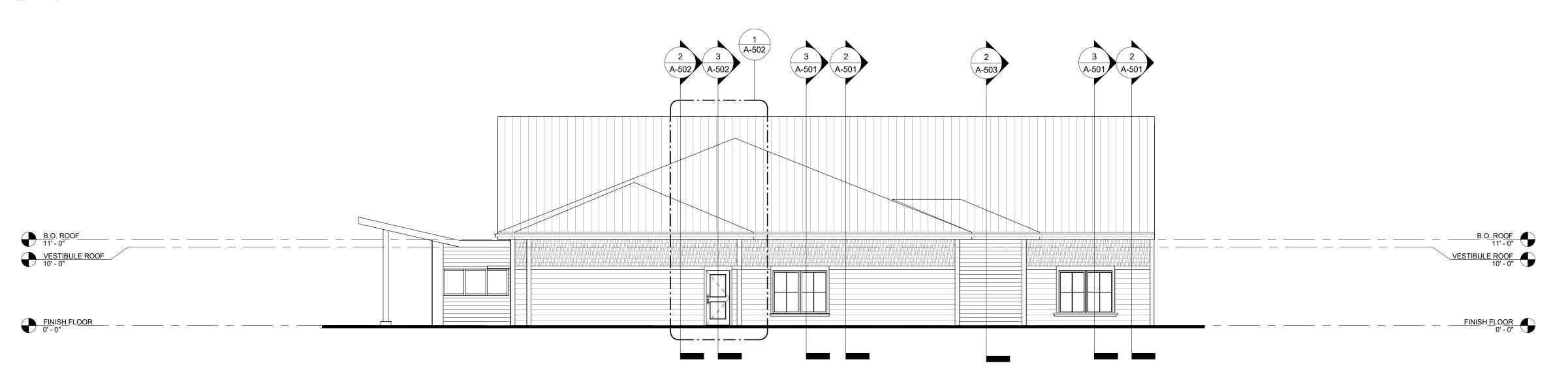
DRAWN BY:	SEAL:
MK	
CHECKED BY:	
TA	
SCALE:	
1/8" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	
A 400	

A-400

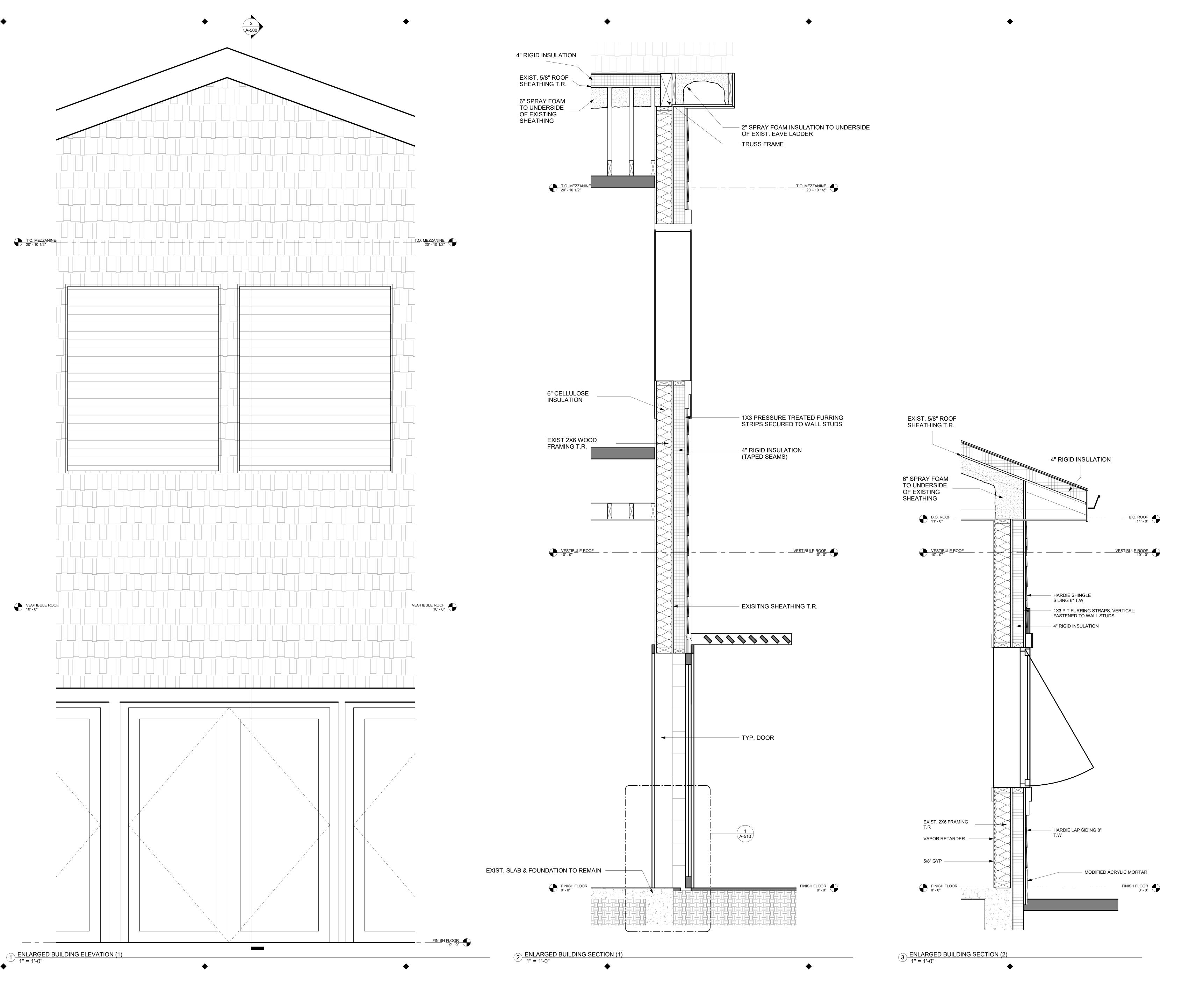
PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt DATE & TIME PRINTED: 11/23/2022 2:56:14 PM

3 NORTH BUILDING ELEVATION 1/8" = 1'-0"		
	$ \begin{array}{c c} 2 \\ \hline A-504 \end{array} $ $ \begin{array}{c} 2 \\ \hline A-501 \end{array} $ $ \begin{array}{c} 3 \\ \hline A-501 \end{array} $	
B.O. ROOF 11' - 0"  VESTIBULE ROOF 10' - 0"		B.O. ROOF 11' - 0" VESTIBULE ROOF 10' - 0"
10' - 0"		10' - 0"
FINISH FLOOR		

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



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





WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE, WAYLAND, MA 01778



A LiRo Group Company

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: A 09/19/2022 100% DD SET
B 10/12/2022 50% CD SET
C 11/23/2022 90% CD SET

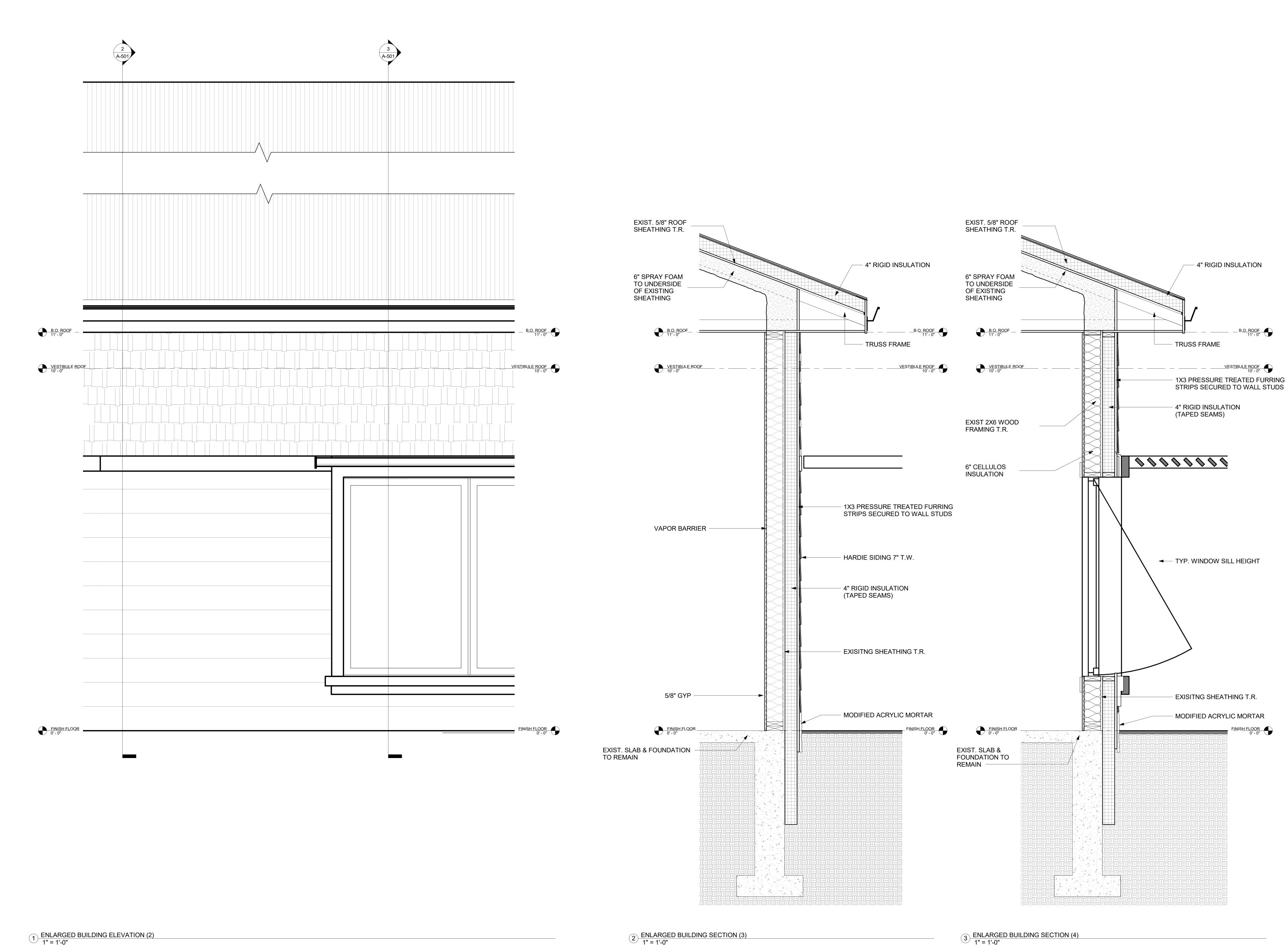
KEY PLAN:

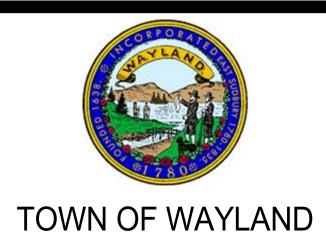
DRAWING TITLE:
BUILDING SECTIONS

DRAWN BY:	SEAL:
CF	
CHECKED BY:	
TA	
SCALE:	
1" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	
A-500	

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:56:15 PM





WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE, WAYLAND, MA 01778



529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

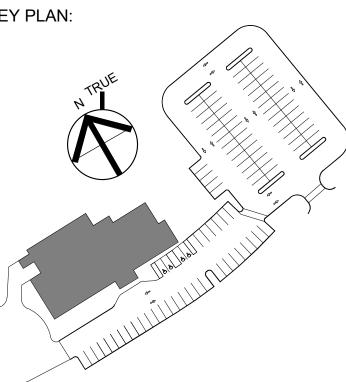
PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

- 4" RIGID INSULATION

\_\_\_\_\_ B<u>.O. ROOF</u> 11' - 0"

ISSU	IE/REVISIO	N:
NO:	DATE:	DESCRIPTION:
A	09/19/2022	100% DD SET
B C	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET
KEY PLAN:		

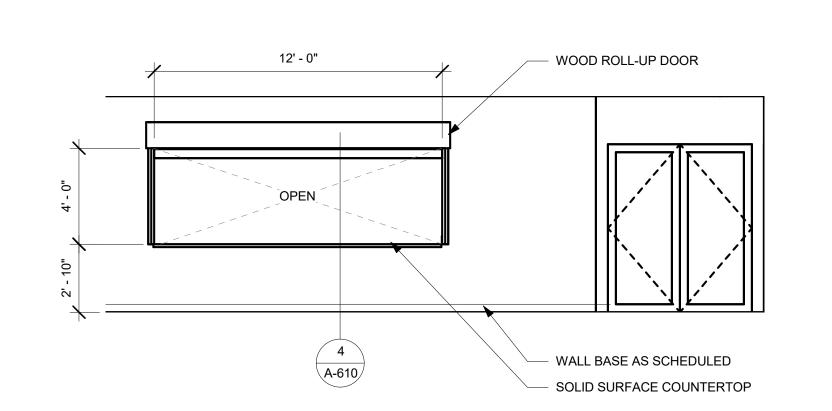


# DRAWING TITLE: BUILDING SECTIONS

DD AMAL DV	CEAL.
DRAWN BY:	SEAL:
CF	
CHECKED BY:	
TA	
SCALE:	
1" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	
A E O 4	

A-501

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt DATE & TIME PRINTED: 11/23/2022 2:56:16 PM



2 A-611

EQ EQ

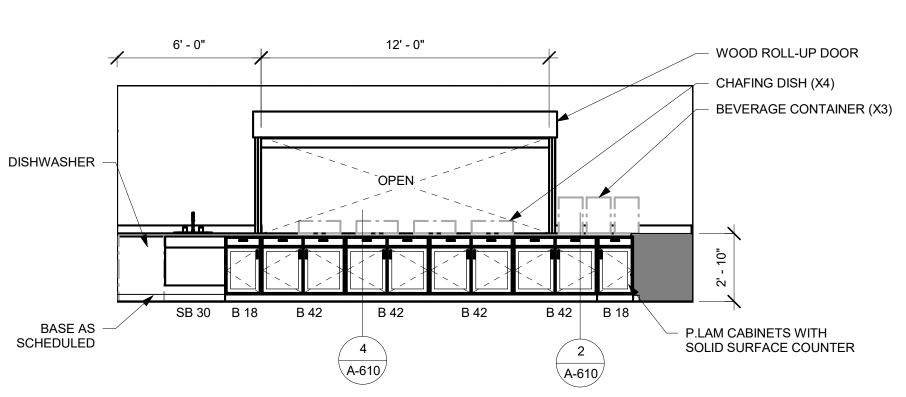
7 A-610

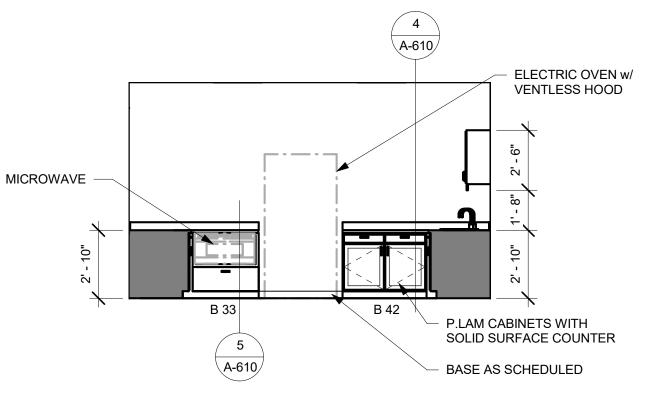
EQ

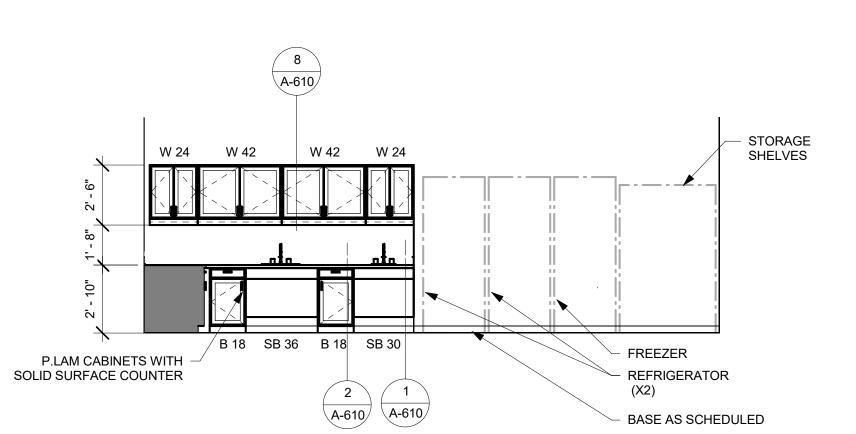
1 ACTIVITY ROOM 'B' #103 1/4" = 1'-0"

5 CORRIDOR #109 1/4" = 1'-0"

9 CORRIDOR #128 (2) 1/4" = 1'-0"







BASE AS SCHEDULED

TOWN OF WAYLAND

WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE, WAYLAND, MA 01778

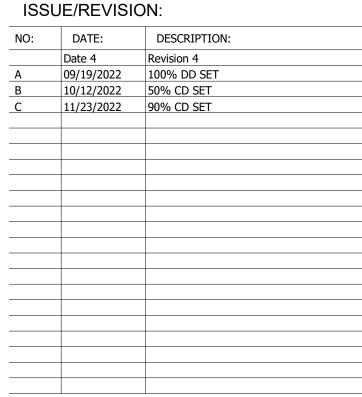


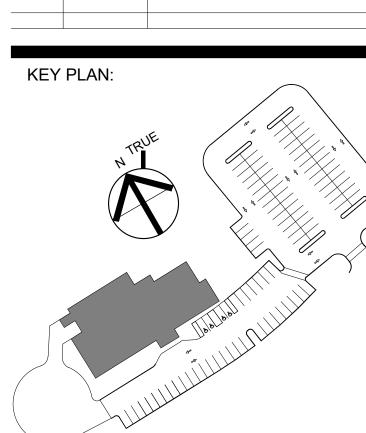
PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

A LiRo Group Company 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

ISSUE/REVISION:

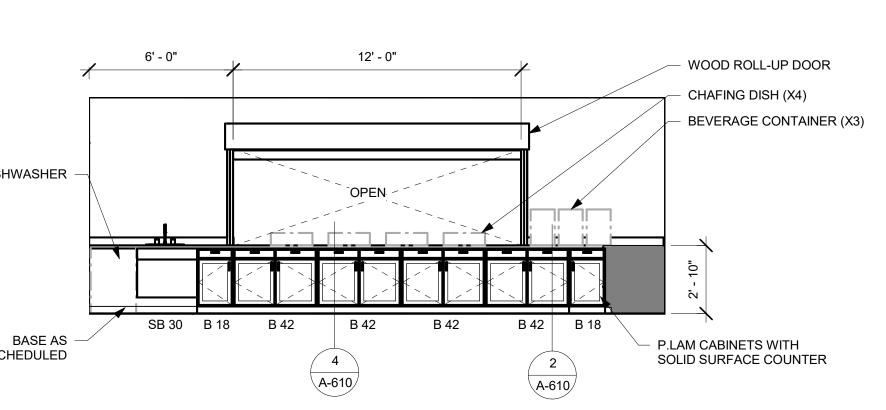


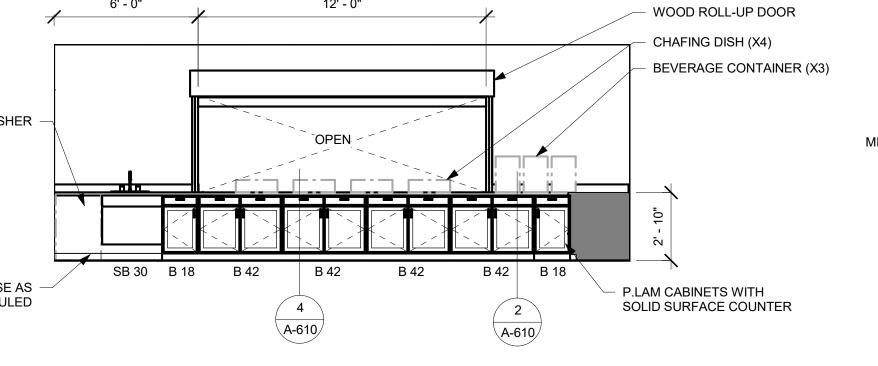


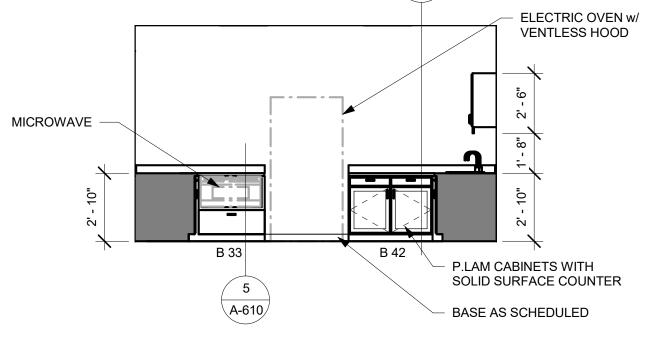


DRAWN BY:	SEAL:
MK	
CHECKED BY:	
TA	
SCALE:	
1/4" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

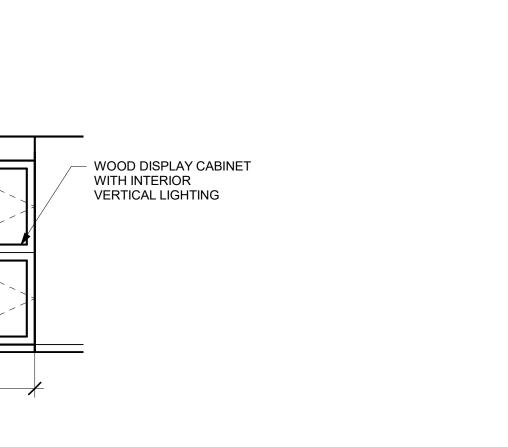
PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt DATE & TIME PRINTED: 11/23/2022 2:56:20 PM



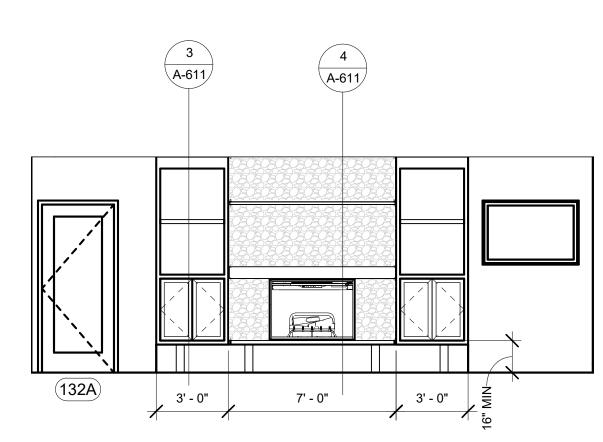




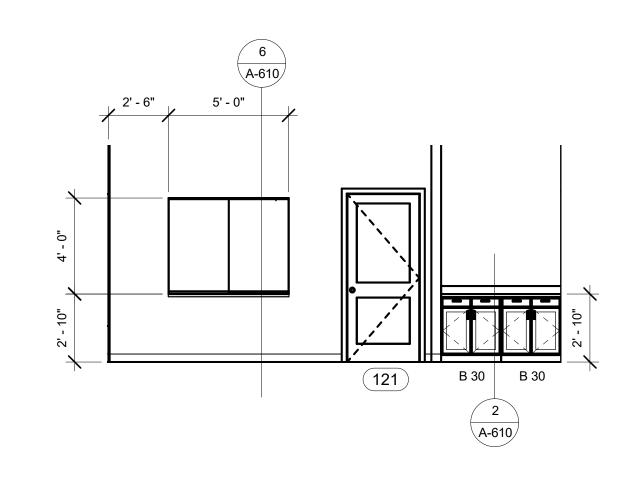


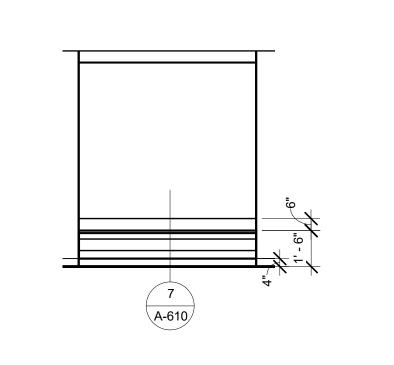


2 SERVING PANTRY #108 (1) 1/4" = 1'-0"

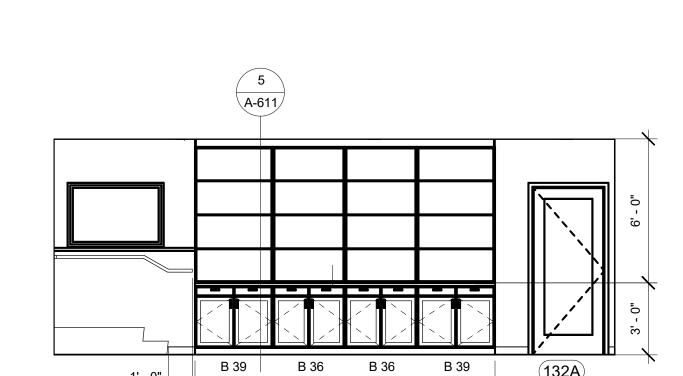


12' - 6"

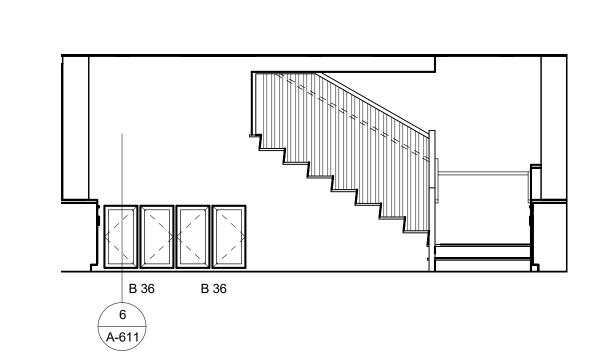








12' - 6"



C 48

C 48

C 48

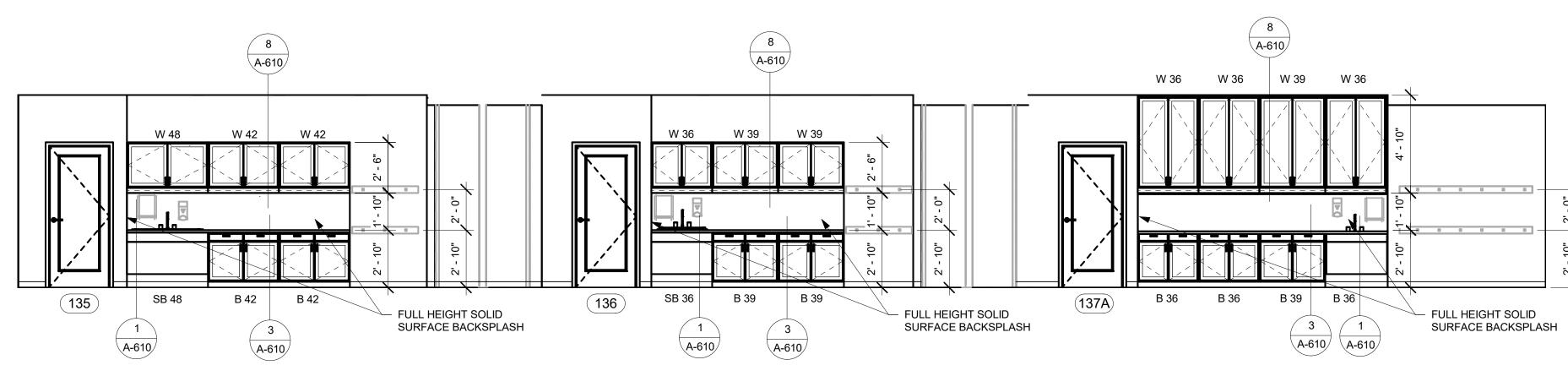
8 CORRIDOR #128 (1) 1/4" = 1'-0"

12 LIBRARY #132 (3) 1/4" = 1'-0"

			_		
		3'-0"			
B 39	_		~		
•					

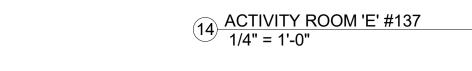






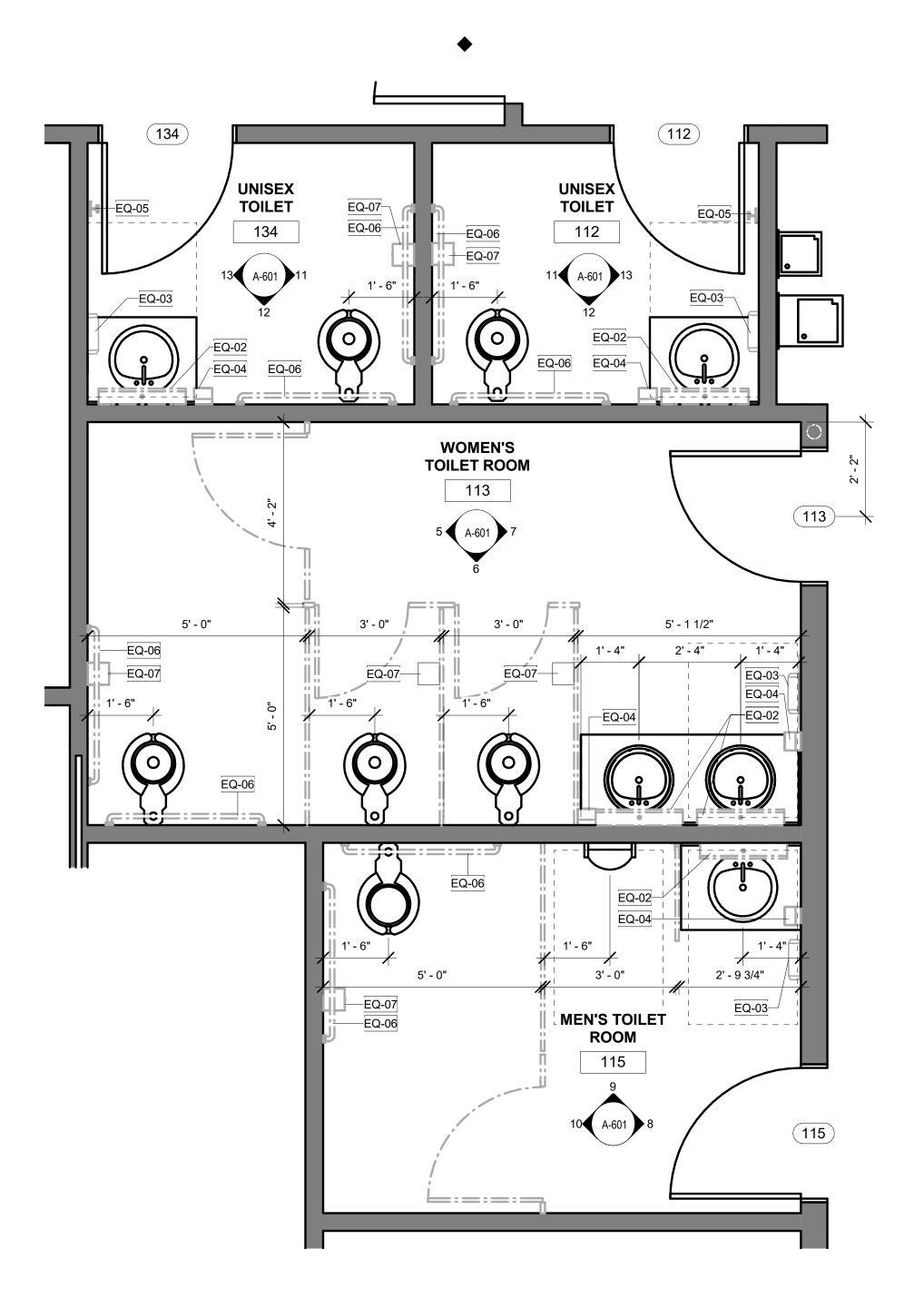
5' - 0"

10 LIBRARY #132 (1) 1/4" = 1'-0"



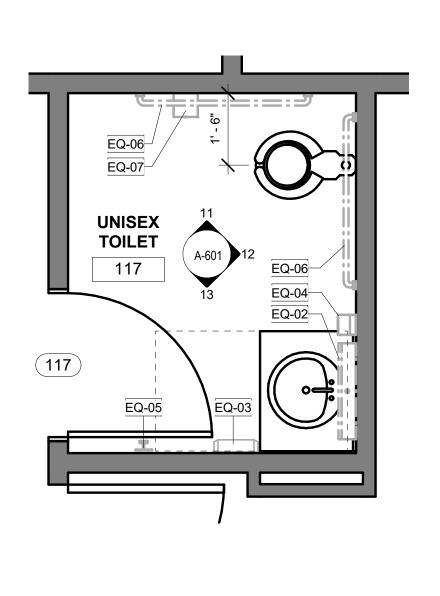
5' - 0"

13 ACTIVITY ROOM C,D,E #135, #136, #137 1/4" = 1'-0"

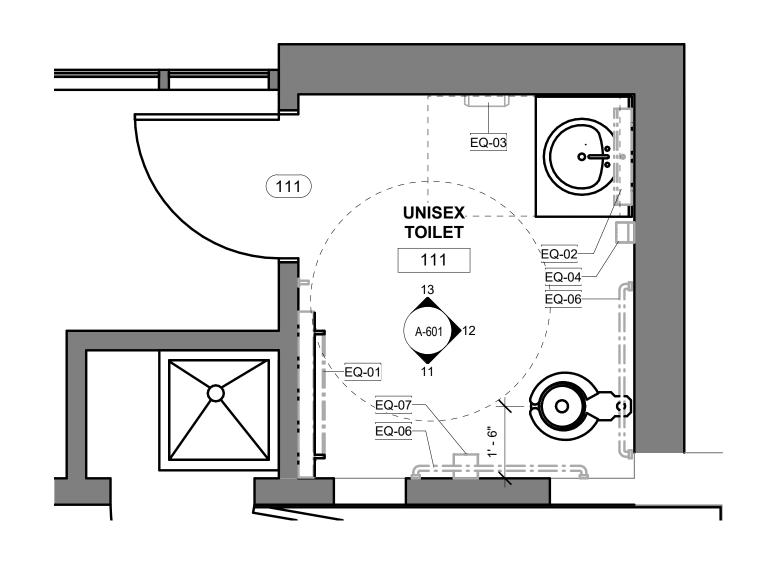




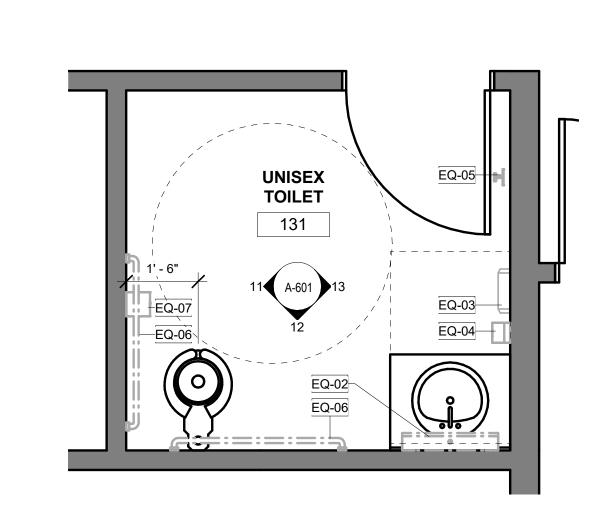
	EQUIPMENT SCHEDUL	E
MARK	EQUIPMENT	COMMENT
EQ-01	BABY CHANGING STATION	CFCI
EQ-02	ACCESSIBLE TILT MIRROR	CFCI
EQ-03	PAPER TOWEL DISPENSER	OFCI
EQ-04	SOAP DISPENSER	OFCI
EQ-05	COAT HOOK	CFCI
EQ-06	GRAB BAR	CFCI
EQ-07	TOILET PAPER DISPENSER	OFCI
EQ-08	ICE MACHINE	OFCI
EQ-09	FIRE EXTINGUISHER	CFCI



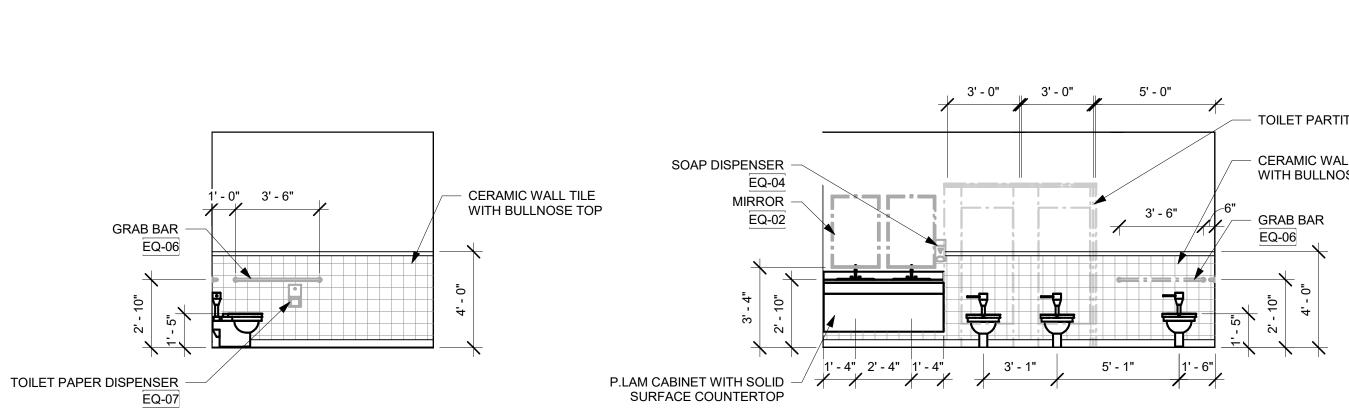
2 ENLARGED UNISEX TOILET #117 1/2" = 1'-0"



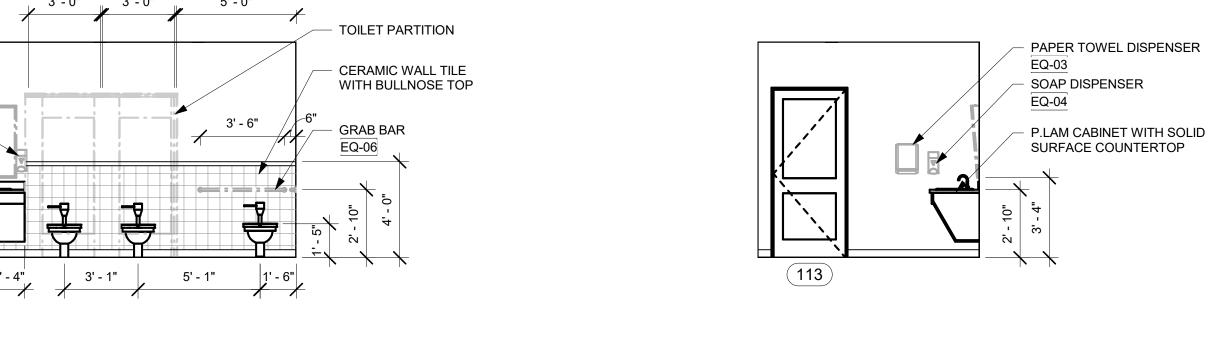
3 ENLARGED UNISEX TOILET #111 1/2" = 1'-0"



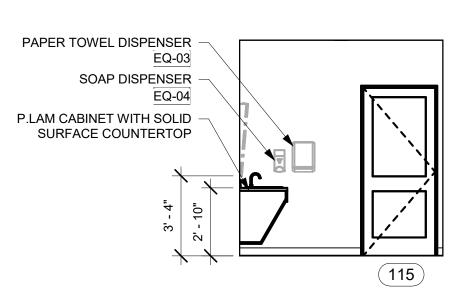
4 ENLARGED UNISEX TOILET #131 1/2" = 1'-0"



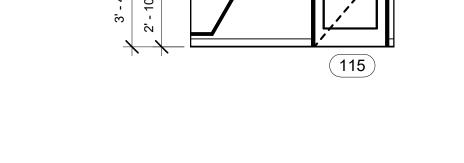


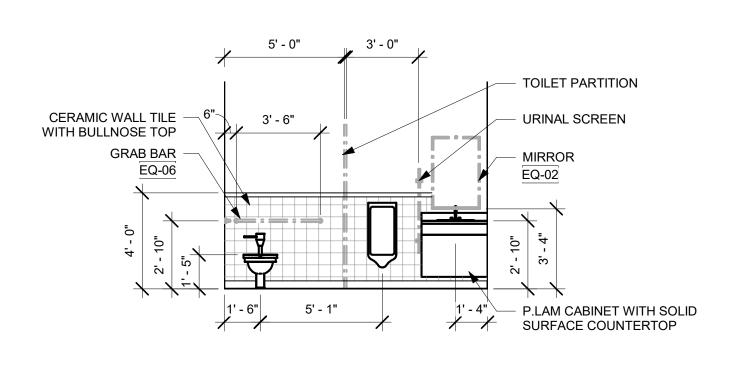


7 WOMENS TOILET ROOM #113 (3) 1/4" = 1'-0"

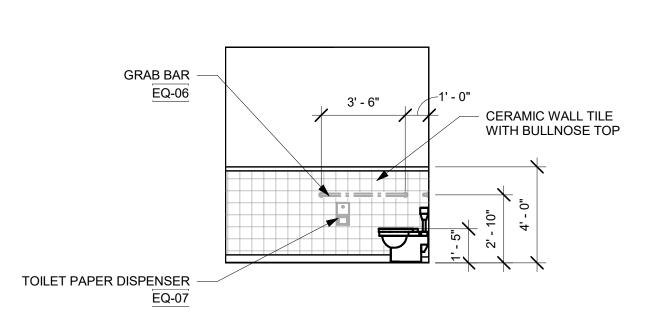


8 MENS TOILET ROOM #115 (1) 1/4" = 1'-0"

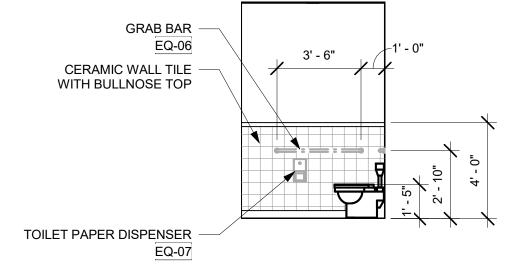


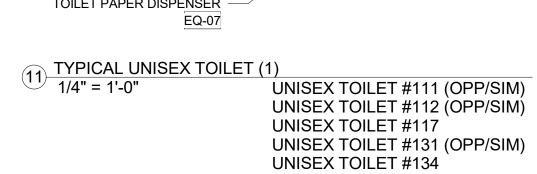


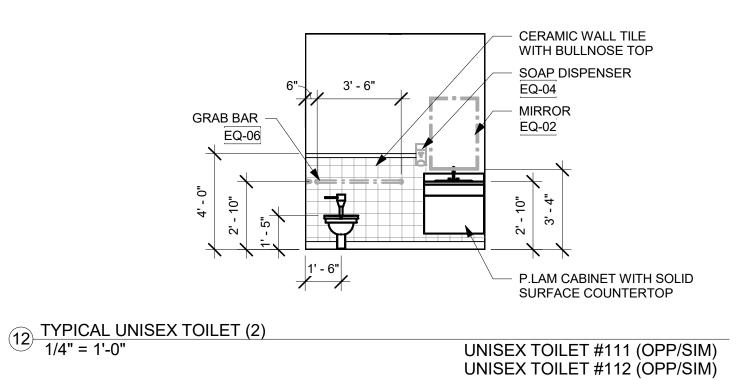




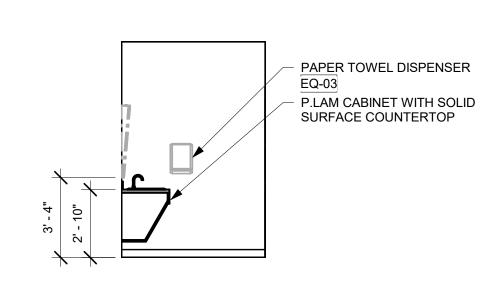
10 MENS TOILET ROOM #115 (3) 1/4" = 1'-0"











TYPICAL UNISEX TOILET (3)

1/4" = 1'-0"

UNISEX TOILET #111 (OPP/SIM)

UNISEX TOILET #117

UNISEX TOILET #131 (OPP/SIM)

UNISEX TOILET #134

TOWN OF WAYLAND

WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE,
WAYLAND, MA 01778



RCHITECTURE BOSTON

S29 MAIN STREET, SUITE

BOSTON MA 03130

DEANNING

529 MAIN STREET, SUITE 3303
BOSTON, MA 02129
TEL. 617.723.7100
FAX. 617.723.9113

PORTI AND

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO: DATE: DESCRIPTION:

A 09/19/2022 100% DD SET

B 10/12/2022 50% CD SET

C 11/23/2022 90% CD SET

KEY PLAN:

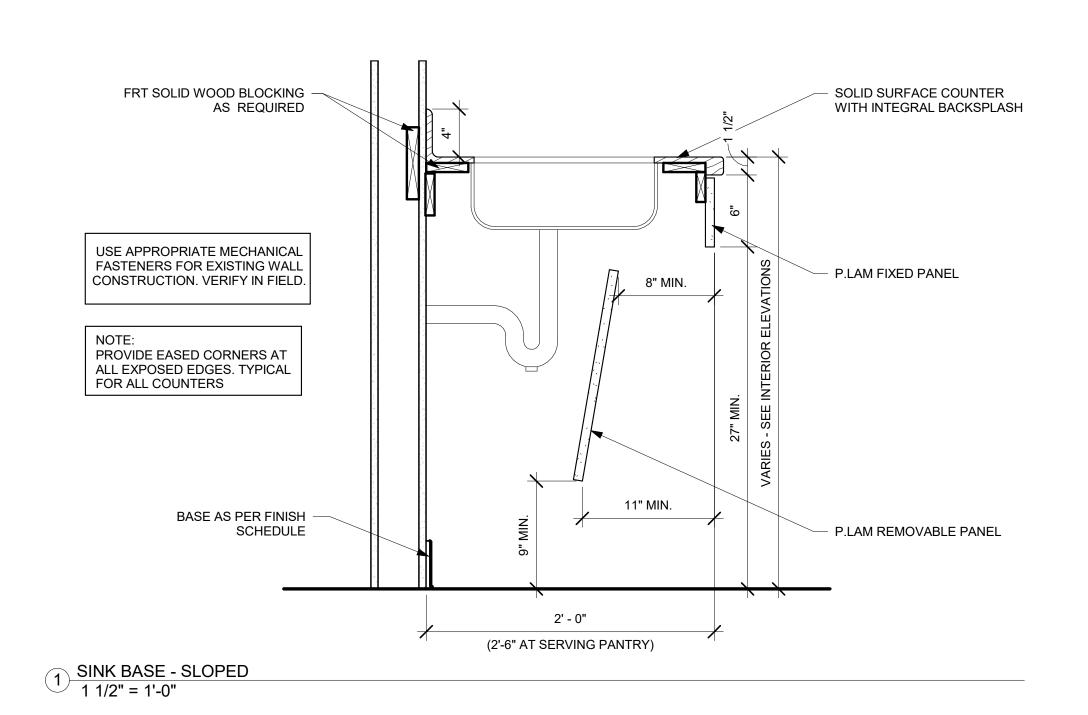
DRAWING TITLE:
TOILET ROOM PLANS AND
ELEVATIONS

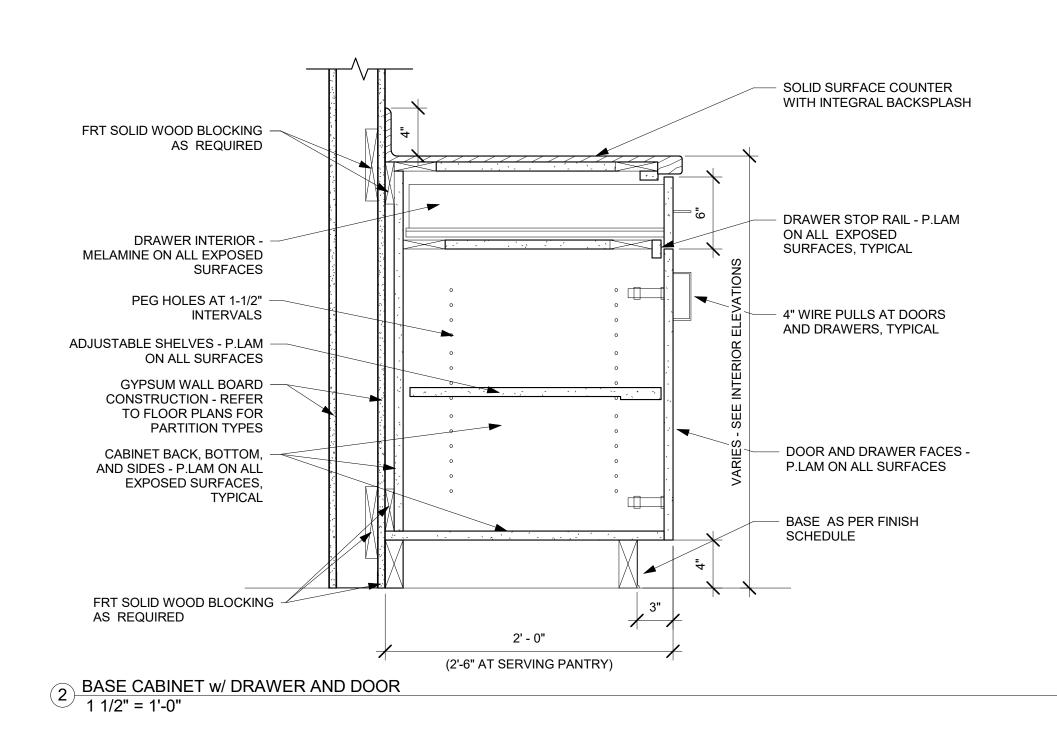
DRAWN BY:	SEAL:
MK	
CHECKED BY:	_
TA	
SCALE:	
As indicated	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

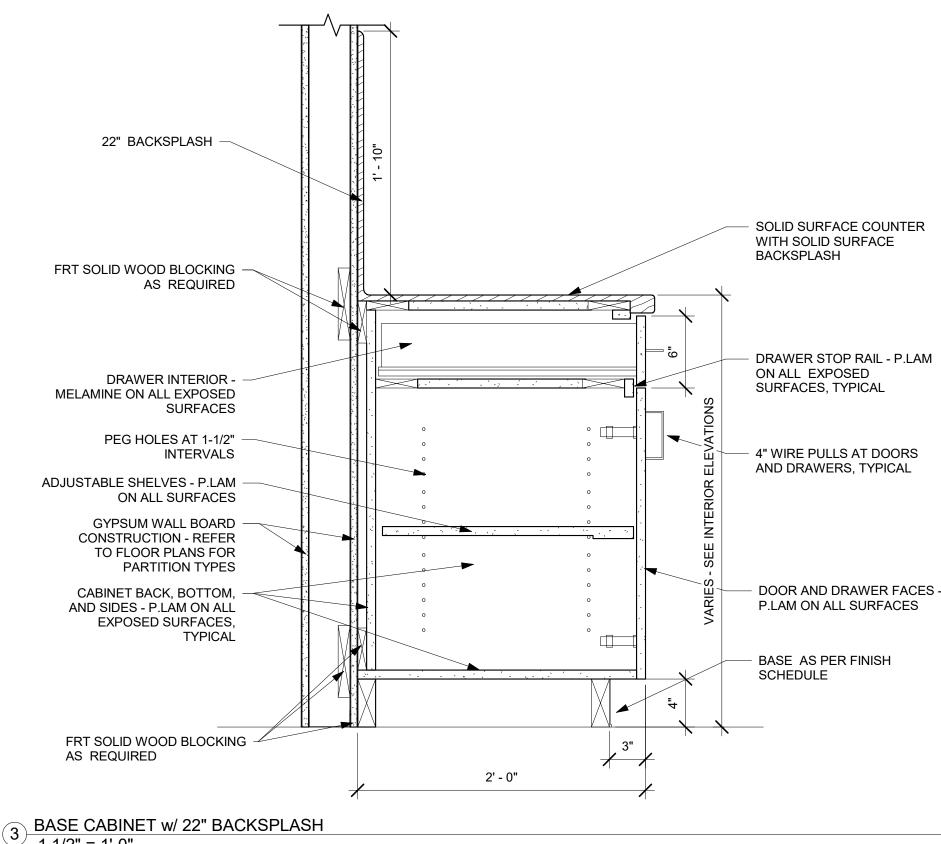
A-601

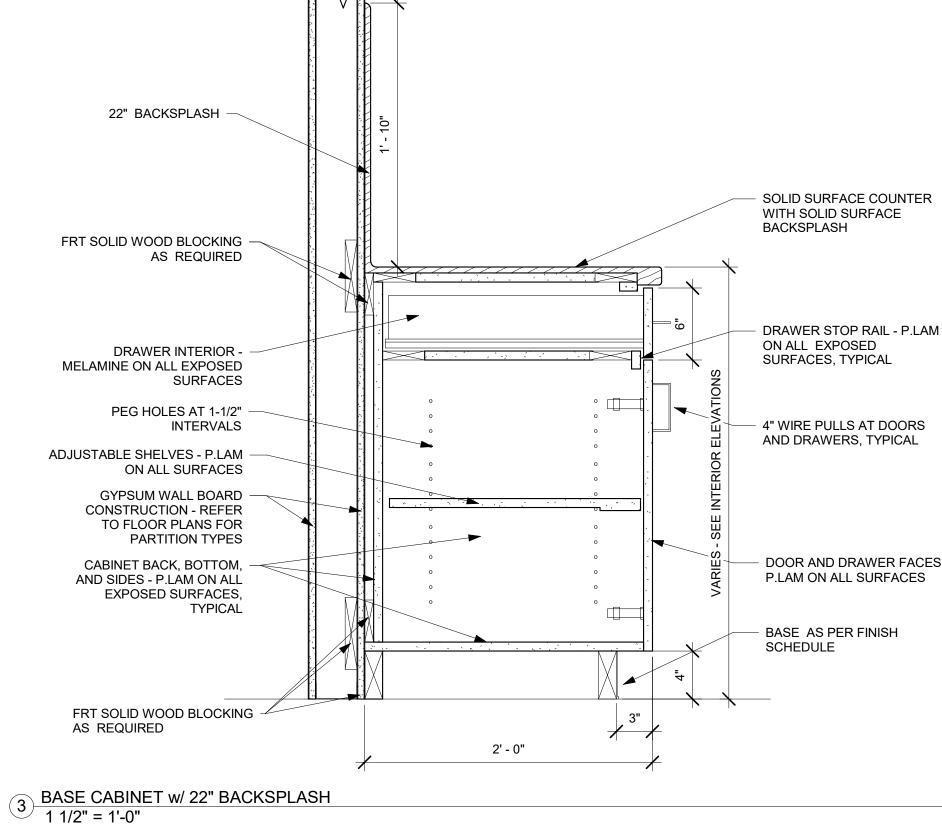
PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

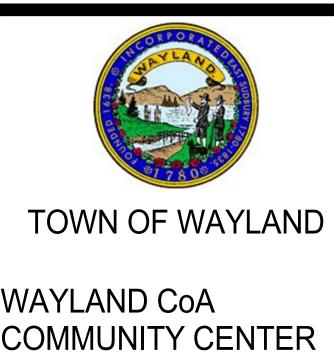
DATE & TIME PRINTED: 11/23/2022 2:56:23 PM











WAYLAND CoA **COMMUNITY CENTER** 8 ANDREW AVENUE, WAYLAND, MA 01778

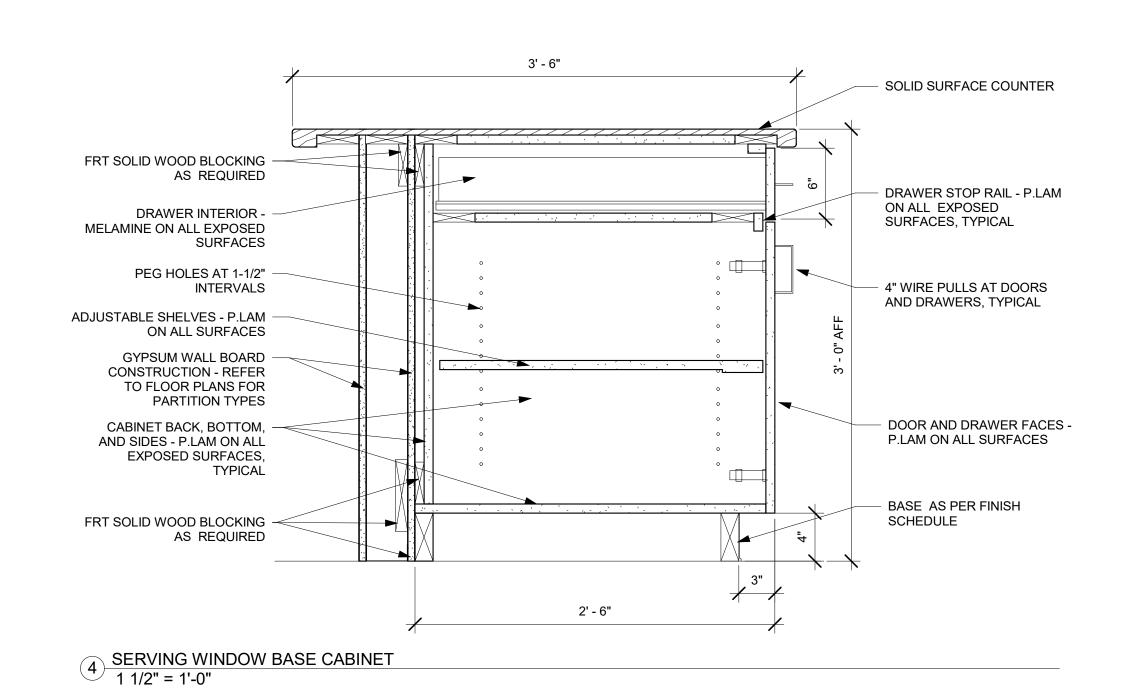


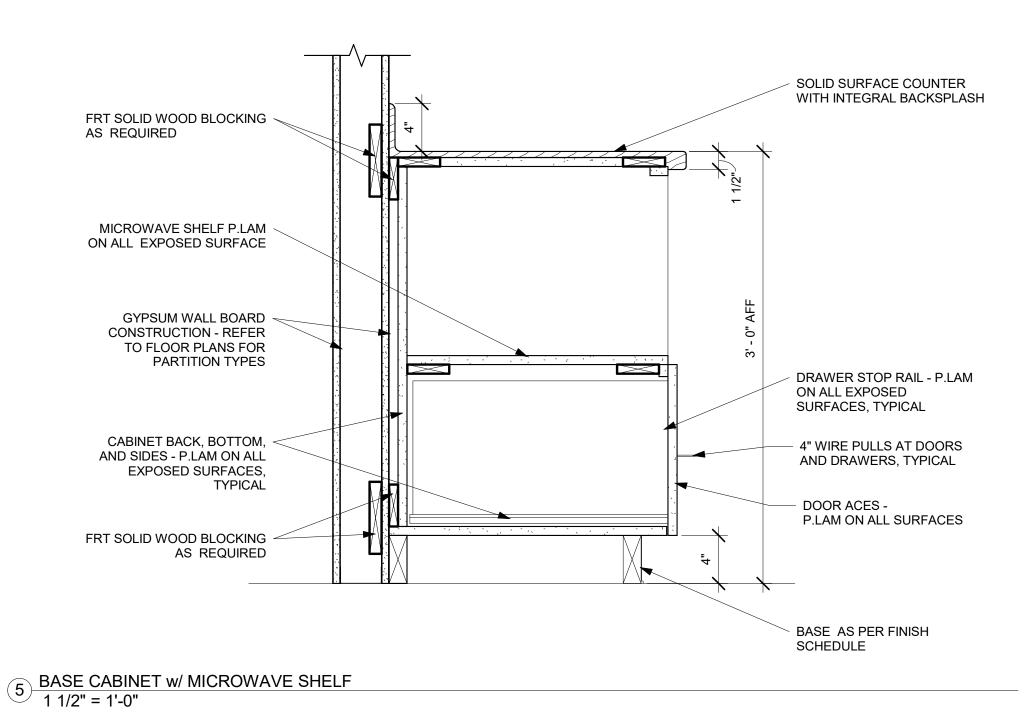
BOSTON

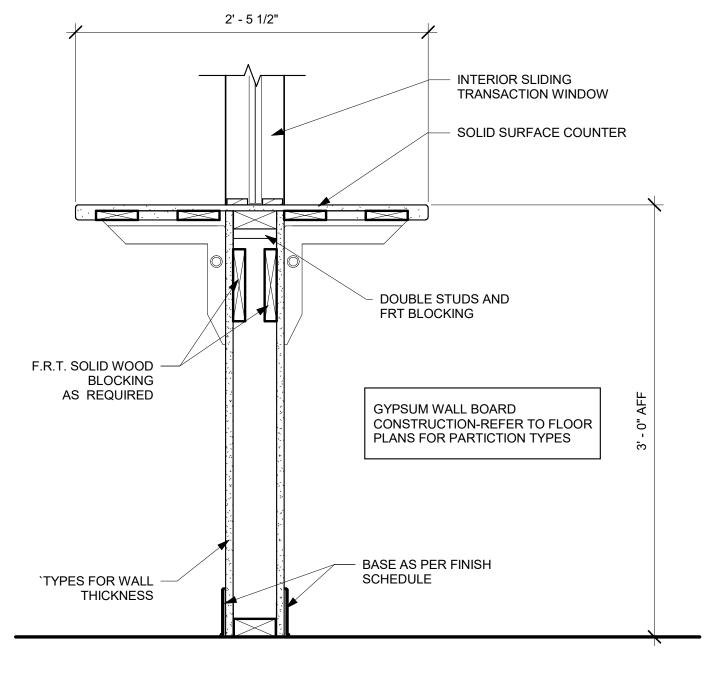
529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100 FAX. 617.723.9113

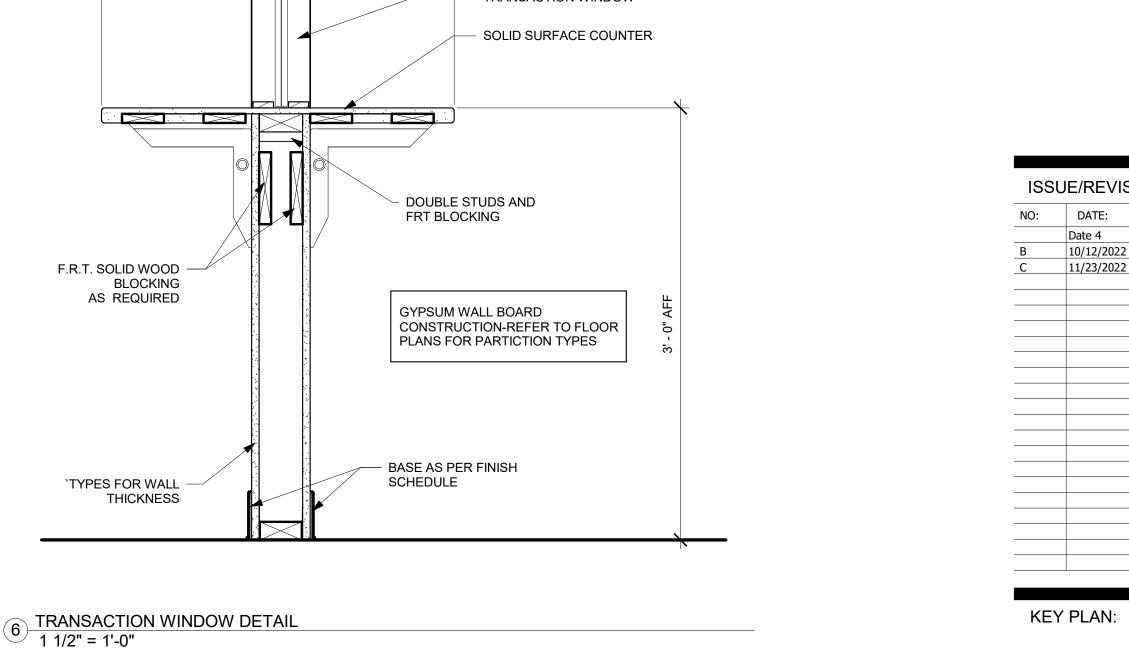
PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

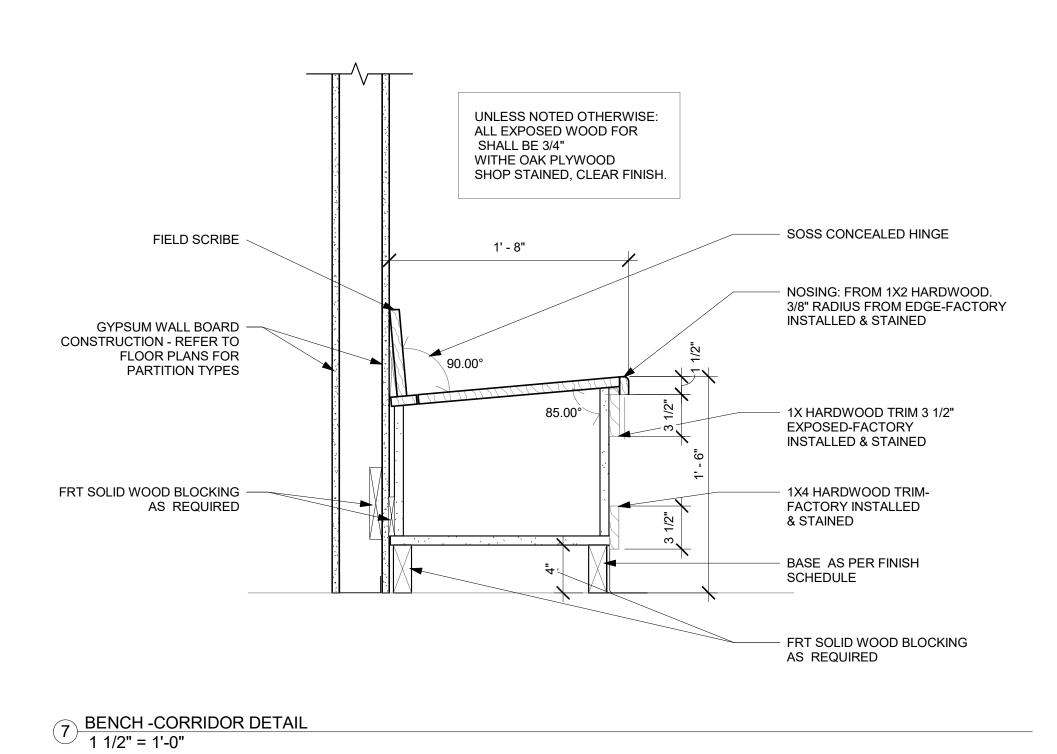
CONSULTANT:

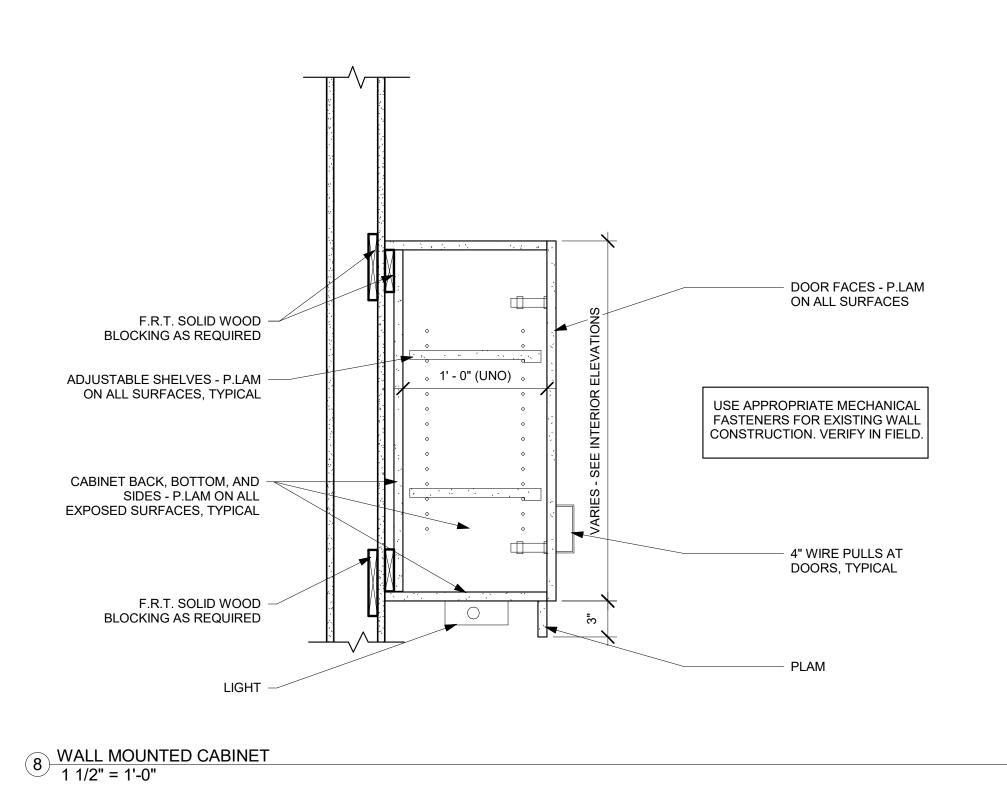




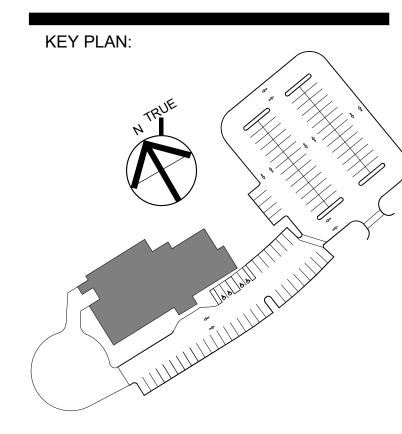








NO:	DATE:	DESCRIPTION:
	Date 4	Revision 4
В	10/12/2022	50% CD SET
С	11/23/2022	90% CD SET

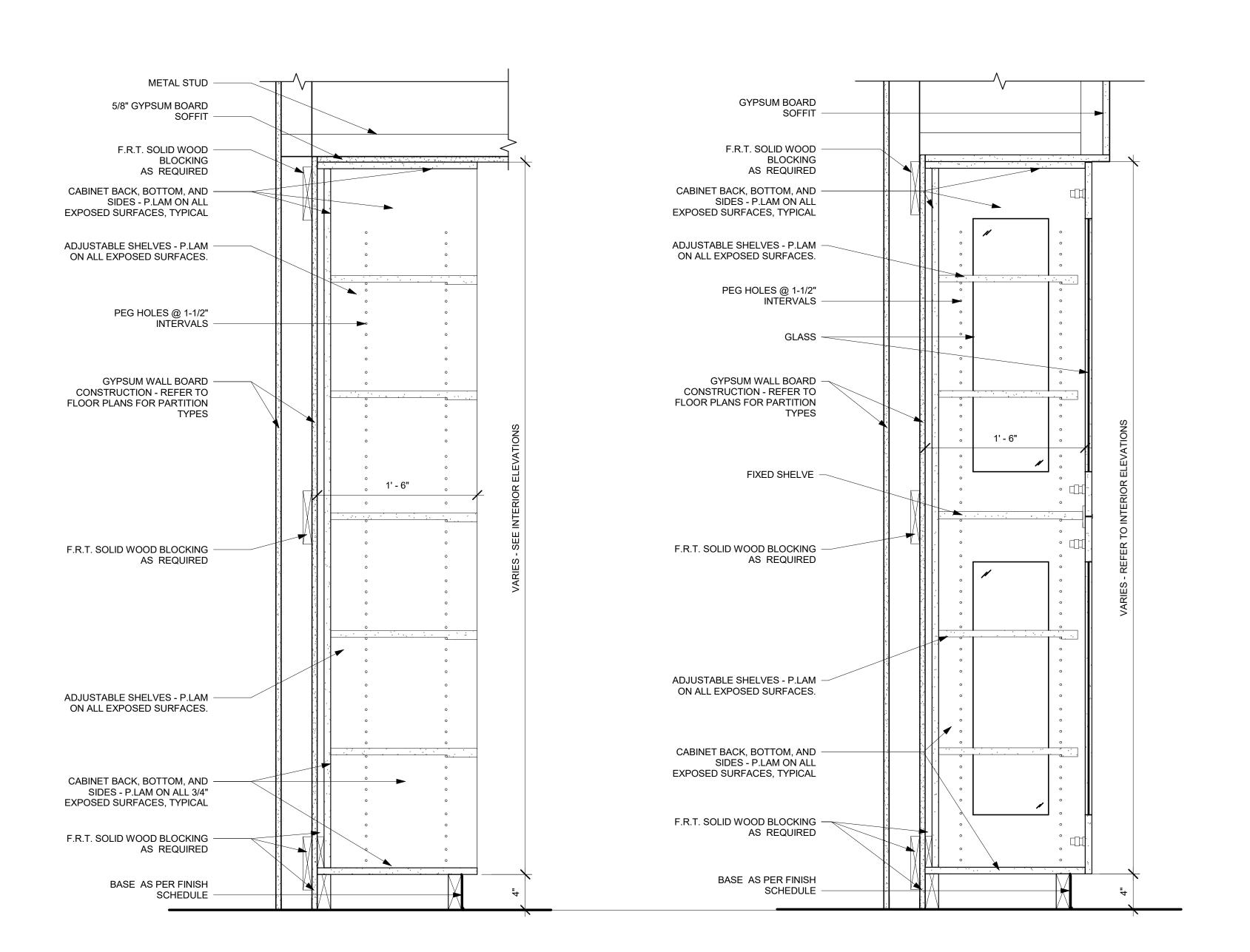


DRAWING TITLE: **CASEWORK DETAILS** 

DRAWN BY:	SEAL:
MK	
CHECKED BY:	
TA	
SCALE:	
1 1/2" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

A-610

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt DATE & TIME PRINTED: 11/23/2022 2:56:24 PM



2 TALL CABINET w/DISPLAY DOORS
1 1/2" = 1'-0"

REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES

AND HEIGHTS A.F.F.

1 TALL CABINETS w/OPEN SHELVES
1 1/2" = 1'-0"

P. LAM SOFFIT

FRT SOLID WOOD BLOCKING 4

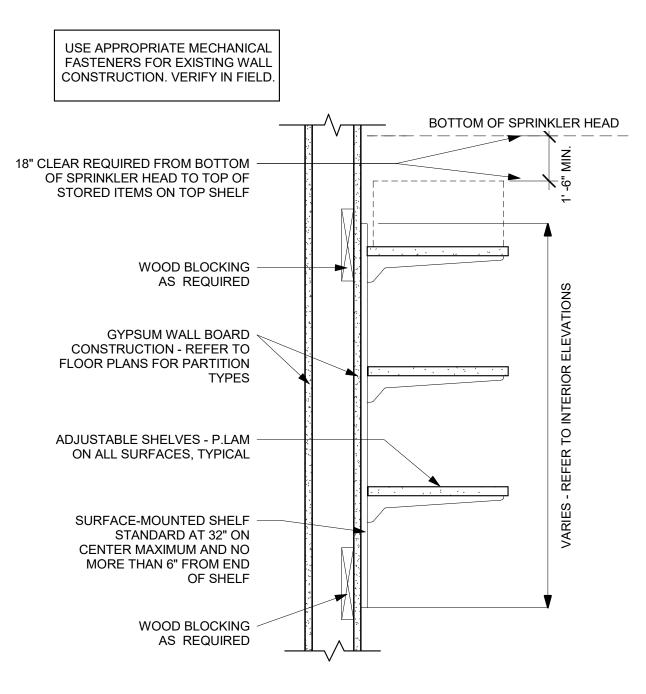
5 BASE CABINET AND SHELVES 1 1/2" = 1'-0"

1' - 6"

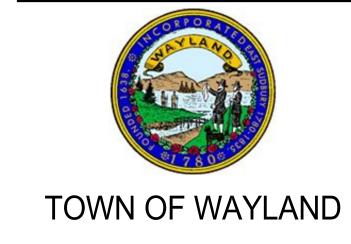
BASE CABINET on BASE MOUNT 3 w/OPEN SHELFS 1 1/2" = 1'-0" 4 CHIMNEY MOUNT w/STONE WALL 1 1/2" = 1'-0"



6 UNDER STAIR STORAGE 1 1/2" = 1'-0"



7 ADJUSTABLE SHELF 1 1/2" = 1'-0"



WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE, WAYLAND, MA 01778



A LiRo Group Company

INTERIOR DESIGN

BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: Date 4 Revision 4 10/12/2022 50% CD SET C 11/23/2022 90% CD SET

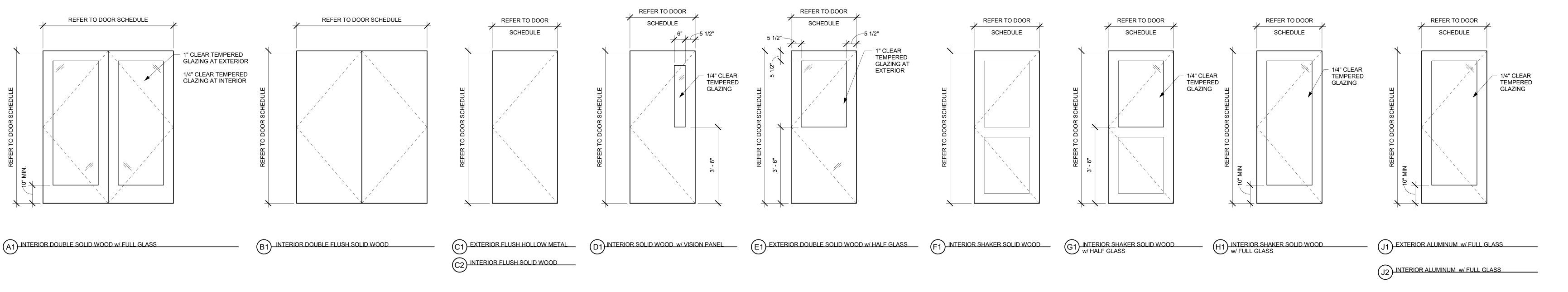
KEY PLAN:

DRAWING TITLE: CASEWORK DETAILS

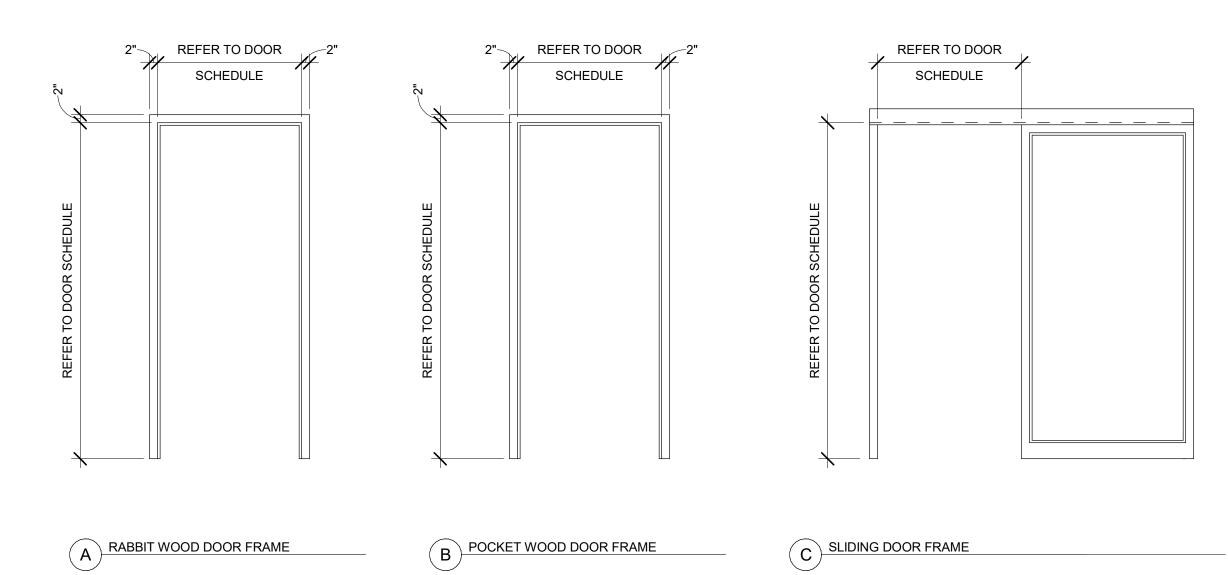
DRAWN BY: MK CHECKED BY: TA SCALE: 1 1/2" = 1'-0" PROJECT NO.: 21-125-2125.04 DRAWING NO.:

A-611

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt DATE & TIME PRINTED: 11/23/2022 2:56:25 PM



1 DOORS TYPES 1/2" = 1'-0"



2 FRAME TYPES 1/2" = 1'-0"

SET #01 - SINGLE WITH PUSH/PULL HARDWARE DOORS 113, 115 3Hinges CB168 4 1/2 X 4 1/2 US26D BE 1Door Pull 1194-3 630TR 1Push Plate 1001-3 630TR 1Door Closer QDC111 BF R 689BE 1Kick Plate K0050 10" x 46" B4E-HEAVY-KP CSK630TR 1Door Stop1211/1270WV AS REQUIRED 626TR 3Door Silencers 1229A GREYTR
SET #02 - SINGLE WITH PASSAGE DOORS 118, 120, 126, 132A 3Hinges CB179 4 1/2 X 4 1/2 US26D ST 1Passage Latch 9K-0N626BE 1Door Closer QDC111 BF R 689SH 1Kick Plate K0050 10" x 34" B4E-HEAVY-KP CSK630TR 1Door Stop1211/1270WV AS REQUIRED 626TR 3Door Silencers 1229A GREYTR
SET #03 - SINGLE WITH CLASSROOM LOCKSET DOORS 108, 121, 123, 132B 3Hinges CB179 4 1/2 X 4 1/2 US26D ST 1Classroom Lock 9K-7R626BE 1Door Closer QDC111 BF R 689SH 1Kick Plate K0050 10" x 34" B4E-HEAVY-KP CSK630TR 1Door Stop1211/1270WV AS REQUIRED 626TR 3Door Silencers 1229A GREYTR AT DOOR 132B KEY SIDE IS LIBRARY SIDE OF DOOR.
SET #04 – SLIDING DOORS DOORS 122, 124, 125, 127 ALL HARDWARE BY DOOR MANUFACTURER
SET #05 - SINGLE WITH PRIVACY LOCKSET DOORS 111, 112, 117, 131, 134 3Hinges CB179 4 1/2 X 4 1/2 US26D ST 1Privacy LatchsetM9046 626DO 1Door Closer QDC111 BF R 689SH 1Kick Plate K0050 10" x 34" B4E-HEAVY-KP CSK630TR 1Door Stop1211/1270WV AS REQUIRED 626TR 3Door Silencers 1229A GREYTR
SET #06 - SINGLE WITH CLASSROOM LOCKSET DOORS 128A 3Hinges CB179 NRP 4 1/2 X 4 1/2US26D ST 1Classroom Lock 9K-7R626BE 1Overhead Stop 900S 626TR 3Door Silencers 1229A GREYTR

2Flush Bolt 3917-12 626TR

DOORS 135, 136, 137

1Passage Latch 9K-0N626BE 20verhead Stop 900S 626TR 2Door Silencers 1229A GREYTR

SET #10 - ACTIVITY ROOM SINGLE

1Door Closer QDC115 BF R 689SH

3Door Silencers 1229A GREYTR

3Hinges CB168 NRP 4 1/2 X 4 1/2US26D ST

1Exit Device 2110 VI x 4908 630PR

2Cylinder TYPE AS REQUIRED 626BE

1Kick Plate K0050 10" x 34" B4E-HEAVY-KP CSK630TR 1Door Stop 1211/1270WV AS REQUIRED 626TR

ALL HARDWARE BY DOOR MANUFACTURER	10verhead Stop CONCEALED HEAVY DUTY 910 S SERIES 626DM
SET #05 - SINGLE WITH PRIVACY LOCKSET	2Wiring Diagram ONE EACH ELEVATION & POINT TO POINT
DOORS 111, 112, 117, 131, 134	1Card Reader SPECIFIED/PROVIDED BY SECURITY VENDOR
3Hinges CB179 4 1/2 X 4 1/2 US26D ST	1Door Position Switch SPECIFIED/PROVIDED BY SECURITY VENDOR
1Privacy Latchset M9046 626DO	1Power TransferEPT-12C PR
1Door Closer QDC111 BF R 689SH	
	1Harness WH-6P ST
1Kick Plate K0050 10" x 34" B4E-HEAVY-KP CSK630TR	1Harness WH-192P ST
1Door Stop 1211/1270WV AS REQUIRED 626TR	1Power Supply RPSMLR2 PR
3Door Silencers 1229A GREYTR	1Door Sweep C627 A (DOOR WIDTH) NA
OFT WAS ANNOUNCE WITH AN ACCROCALL COVERT	1Door Seals INTEGRAL SEALS BY FRAME MFG.
SET #06 - SINGLE WITH CLASSROOM LOCKSET	1Threshold - Bumper Seal 1/2" HIGH X JAMB DEPTH X OPENING WIDTH NA
DOORS 128A	NOTE ALL MURINO AND COMMENTIONS BY DIVIDION CO. C. CO.
3Hinges CB179 NRP 4 1/2 X 4 1/2 US26D ST	NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.
1Classroom Lock 9K-7R626BE	OPERATIONAL DESCRIPTION:
10verhead Stop 900S 626TR	IMMEDIATE EGRESS ALWAYS ALLOWED. DOOR CAN BE MANUALLY OR
3Door Silencers 1229A GREYTR	AUTOMATICALLY OPERATED. ACCESS CONTROL SYSTEM TO RETRACT AND
	HOLD EXIT DEVICE LATCHBOLT AND ENABLE EXTERIOR AUTOMATIC
SET #07 - SINGLE WITH STOREROOM LOCKSET	OPERATOR ACTUATOR. DOOR CAN BE MANUALLY PULLED OPEN OR
DOORS 105, 114, 129, 130, 133, 200A, 200B	AUTOMATICALLY OPERATED. INTERIOR ACTUATOR TO SIGNAL AUTOMATIC
3Hinges CB179 4 1/2 X 4 1/2 US26D ST	OPERATOR TO OPEN DOOR. LOCATE ACTUATORS AS DIRECTED BY
1Storeroom Lock 9K-7D626BE	ARCHITECT.
1Door Closer QDC111 BF R 689SH	SECURE OPERATION: ACCESS CONTROL SYSTEM TO RELEASE EXIT DEVICE
1Kick Plate K0050 10" x 34" B4E-HEAVY-KP CSK630TR	LATCHBOLT TO CONTROL ENTRY. IMMEDIATE EGRESS ALWAYS ALLOWED.
1Door Stop 1211/1270WV AS REQUIRED 626TR	AUTOMATIC OPERATION BY PUSHING INTERIOR ACTUATOR. ACCESS BY
3Door Silencers 1229A GREYTR	KEY OR BY CARD READER. CARD READER WILL RETRACT EXIT DEVICE
	LATCHBOLT TO ALLOW ACCESS AND ENABLE EXTERIOR ACTUATOR.
SET #08 - PAIR WITH CLASSROOM LOCK	REQUEST TO EXIT AND DOOR POSITION SWITCH TO BE CONNECTED TO
DOORS 106A, 106B	BUILDING'S SECURITY SYSTEM.
6Hinges CB179 4 1/2 X 4 1/2 NRPUS26D ST	
2Flush Bolt 3917-12 626TR	SET #15 - SINGLE - VESTIBULE - AUTO OPERATOR
1Classroom Lock 9K-7R626BE	DOORS 100B, 110A
2Overhead Stop 900S 626TR	1Continuous Hinge673HD UL AL ST
2Door Silencers 1229A GREYTR	1Push/Pull Bar Set 1731 (10" CTC STRAIGHT PULL) 3" LESS 630TR
	DOOR WIDTH
SET #09 - PAIR WITH PASSAGE LATCH	1Auto Operator & Accessories SPECIFIED/PROVIDED UNDER SECTION 087113
DOORS 104A, 104B, 135A, 135B	1Wiring Diagram ONE EACH ELEVATION & POINT TO POINT
6Hinges CB179 4 1/2 X 4 1/2 NRPUS26D ST	1Door Sweep C627 A (DOOR WIDTH) NA
0EL   D U0047 40 000TD	4D O INTEODAL OFALO DY FRANCIME

1Door Seals INTEGRAL SEALS BY FRAME MFG.

OPERATIONAL DESCRIPTION:

NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26.

LOCATE ACTUATORS AS DIRECTED BY ARCHITECT.

1Saddle Threshold 1/2" HIGH X JAMB DEPTH X OPENING WIDTH AL NA

IMMEDIATE EGRESS ALWAYS ALLOWED. DOOR CAN BE MANUALLY OR

ACTUATOR WHICH WILL SIGNAL AUTOMATIC OPERATOR TO OPEN DOOR.

AUTOMATICALLY OPERATED. AUTOMATIC OPERATION BY PUSHING

SET #11 - PAIR WITH PUSH/PULL HARDWARE DOORS 102, 103 6 Hinges CR188 4 1/2 X 4 1/2 US26D BE 2Door Pull 1194-3 630TR 2 Push Plate 1001-3 630TR 2 Poor Closer QDC114 BF R 689BE 2 McKP Plate K0050 10" x 35" B4E-HEAVY-KP CSK630TR 2 Door Silencers 1229A GREYTR  SET #12 - CORRIDOR PAIRS - LOCKABLE DOORS 109, 116A 6 Pocket Pivots CB168 NRP 4 1/2 X 4 1/2 US26D AB 1 St Automatic Flush bolts 3825L x 3815 x 3910 626TR 1 Coordinator 3094 Series 600TR 1 Classroom Lock 9K-7R626BE 2 Door Closer QDC114 BF R 689SH 2 McKe Plate K0050 10" x 35" B4E-HEAVY-KP CSK630TR 2 Door Silencers 1229A GREYTR  SET #13 - IT POCKET PAIR DOORS 119 1 SI Pocket Door Hardware PDP250N US28D ST 1 Pocket Door LockHook deadbolt lock x cylinder 626AC  SET #14 - EXTERIOR - CR/AUTO OPERATOR DOOR 100A, 110B 1 Continuous Hinge673HD UL EPT PREP AL ST 1 Exit Device C MLR TS 2403 x C03 LD 630PR 1 Rim Cylinder AS REQUIRED 626BE 1 Door Pull 1191-3 (10" CTC OFFSET PULL) 630TR 1 Auto Operator & Accessories SPECIFIED/PROVIDED UNDER SECTION 087113 1 Overhead Stop CONCEALED HEAVY DUTY 910 S SERIES 626DM 2 Wiring Diagram ONE EACH ELEVATION & POINT TO POINT 1 Card Reader SPECIFIED/PROVIDED BY SECURITY VENDOR 1 Door Poilin Switch SPECIFIED/PROVIDED BY SECURITY VENDOR 1 Door Poilin Switch SPECIFIED/PROVIDED BY SECURITY VENDOR 1 Door Poilin Switch SPECIFIED/PROVIDED BY SECURITY VENDOR 1 Power TransferEPT-12C PR 1 Harness WH-192 ST 1 Prower Supply RPSMLR2 PR 1 Hoor Sweep 0627 A (DOOR WIDTH) NA 1 Door Seals INTEGRAL SEALS BY FRAME MFG. 1 Threshold - Bumper Seal 1/2" HIGH X JAMB DEPTH X OPENING WIDTH NA NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28.  OPERATIONAL DESCRIPTION: IMMEDIATE EGRESS ALWAYS ALLOWED. DOOR CAN BE MANUALLY OR AUTOMATICALLY OPERATED. INTEGRING ACTUMATIC OPERATOR ACTUATOR. DOOR CAN BE MANUALLY PULLED OPEN OR AUTOMATICALLY OPERATED. INTEGRING ACTUMATIC OPERATOR TO OPEN TOO. CASES SONTROL SYSTEM TO RELEASE EXIT DEVICE LATCHB	SET#16 - EXTERIOR - CR DOOR 128  1 Continuous Hinge673HD UL EPT PREP AL ST 1 Exit Device C MLR TS 2403 x C03 LD 630PR 1 Rim Cylinder AS REQUIRED 626BE 1 Door Pull 1191-3 (10" CTC OFFSET PULL) 630TR 1 Door Closer QDC115 BF R 6899H 1 Overhead Stop CONCEALED HEAVY DUTY 910 S SERIES 626DM 2 Wiring Diagram ONE EACH ELEVATION & POINT TO POINT 1 Card Reader SPECIFIED/PROVIDED BY SECURITY VENDOR 1 Door Position Switch SPECIFIED/PROVIDED BY SECURITY VENDOR 1 Door Position Switch SPECIFIED/PROVIDED BY SECURITY VENDOR 1 Power TransferEPT-12C PR 1 Harness WH-192P ST 1 Harness WH-192P ST 1 Hower Supply RPSMLR2 PR 1 Door Sweep C627 A (DOOR WIDTH) NA 1 Door Scals INTEGRAL SEALS BY FRAME MFG. 1 Threshold - Bumper Seal 1/2" HIGH X JAMB DEPTH X OPENING WIDTH NA 1 NOTE: ALL WIRING AND CONNECTIONS BY DIVISION 26 & 28. 0 OPERATIONAL DESCRIPTION: 1 IMMEDIATE EGRESS ALWAYS ALLOWED, ACCESS BY KEY OR CARD READER. UPON POWER FAILURE ACCESS ONLY BY KEY.  SET #17 - EXTERIOR STORAGE DOOR 107 3 Hinges CB199 NRP 4 1/2 X 4 1/2 US32D ST 1 Storeroom Look 9/K-7D626BE 1 Door Closer ODC113 BF R 6899SH 1 Door Sweep C627 (DOOR WIDTH)AL NA 1 Door Seals 706E X HEAD AND JAMBS AL NA 1 Threshold - Bumper Seal 1/2" HIGH X JAMB DEPTH X OPENING WIDTH NA  SET #18 - EXTERIOR TRASH - PAIR DOOR 138 ALL HARDWARE BY GATE MANUFACTURER.

				DOOF	₹		FRAME			
DOOR NUMBER	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HARDWARE	COMMENTS
00A		7' - 0"	J1	ALUMINUM	???	MANUF	ALUMINUM	???	13487744	0011111111111
00B		7' - 0"	J1	ALUMINUM	???	MANUF	ALUMINUM	???		
00C		0' - 0"	E1	ALUMINUM	???	MANUF	ALUMINUM	???		
00D		0' - 0"	E1	ALUMINUM	???	MANUF	ALUMINUM	???		
00D 02		7' - 0"	A1	SOLID WOOD	NATURAL FIR / CLEAR	A	SOLID WOOD	NATURAL FIR / CLEAR		
						Α				
03		7' - 0"	A1	SOLID WOOD	NATURAL FIR / CLEAR	A	SOLID WOOD	NATURAL FIR / CLEAR		
04A		7' - 0"	B1	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT		
		7' - 0"	B1	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT		
05		7' - 0"	C2	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT		
06A		7' - 0"	B1	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT		
06B		7' - 0"	B1	SOLID WOOD	BIRCH / PAINT	Α	SOLID WOOD	BIRCH / PAINT		
07		7' - 0"	C1	SOLID WOOD	PAINT	???	???	???		
08	3' - 6"	7' - 0"	D1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
09		7' - 0"	A1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
10A	3' - 0"	7' - 0"	J1	ALUMINUM	???	MANUF	ALUMINUM	???		
10B	3' - 0"	7' - 0"	J1	ALUMINUM	???	MANUF	ALUMINUM	???		
11	3' - 0"	7' - 0"	F1	SOLID WOOD	NATURAL FIR / CLEAR	A	SOLID WOOD	NATURAL FIR / CLEAR		
12	3' - 0"	7' - 0"	F1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
13	3' - 0"	7' - 0"	F1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
14	3' - 0"	7' - 0"	C2	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT		
15	3' - 0"	7' - 0"	F1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
16A	6' - 6"	7' - 0"	B7	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
16B		7' - 0"	???	HOLLOW METAL	???	???	???	???		
16C		7' - 0"	???	HOLLOW METAL	???	???	???	???		
16D		7' - 0"	???	HOLLOW METAL	???	???	???	???		
17		7' - 0"	F1	SOLID WOOD	NATURAL FIR / CLEAR	A	SOLID WOOD	NATURAL FIR / CLEAR		
18		<del>7</del> - 0"	G1	SOLID WOOD	NATURAL FIR / CLEAR	Δ	SOLID WOOD	NATURAL FIR / CLEAR		
		<del>7' - 0"</del>	B1	SOLID WOOD	NATURAL FIR / CLEAR	В	SOLID WOOD	NATURAL FIR / CLEAR		
20		<del>7 - 0</del> 7' - 0"	G1	SOLID WOOD	NATURAL FIR / CLEAR	Δ	SOLID WOOD	NATURAL FIR / CLEAR		
21			G1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
						A				
22		7' - 0"	H1	SOLID WOOD	NATURAL FIR / CLEAR	С	METAL	???		
23			D1	SOLID WOOD	NATURAL FIR / CLEAR	A	SOLID WOOD	NATURAL FIR / CLEAR		
24		6' - 8"	H1	SOLID WOOD	NATURAL FIR / CLEAR	C	METAL	???		
25		6' - 8"	H1	SOLID WOOD		С	METAL	???		
26		7' - 0"	G1	SOLID WOOD	NATURAL FIR / CLEAR	A	SOLID WOOD	NATURAL FIR / CLEAR		
27	-	6' - 8"	H1	SOLID WOOD	NATURAL FIR / CLEAR	C	METAL	???		
28		7' - 0"	E1	SOLID WOOD	PAINT	???	???	???		
		7' - 0"	B1	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT		
29		7' - 0"	C2	SOLID WOOD	BIRCH / PAINT	Α	SOLID WOOD	BIRCH / PAINT		
30	3' - 0"	7' - 0"	C2	SOLID WOOD	BIRCH / PAINT	Α	SOLID WOOD	BIRCH / PAINT		
31	3' - 0"	7' - 0"	F1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
32A	3' - 0"	7' - 0"	H1	SOLID WOOD	NATURAL FIR / CLEAR	А	SOLID WOOD	NATURAL FIR / CLEAR		
32B	3' - 0"	7' - 0"	G1	SOLID WOOD	NATURAL FIR / CLEAR	А	SOLID WOOD	NATURAL FIR / CLEAR		
33	3' - 0"	7' - 0"	C2	SOLID WOOD	BIRCH / PAINT	Α	SOLID WOOD	BIRCH / PAINT		
34	3' - 0"	7' - 0"	F1	SOLID WOOD	NATURAL FIR / CLEAR	Α	SOLID WOOD	NATURAL FIR / CLEAR		
35		7' - 0"	H1	SOLID WOOD	NATURAL FIR / CLEAR	A	SOLID WOOD	NATURAL FIR / CLEAR		
		7' - 0"	B1	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT		
35B		7' - 0"	B1	SOLID WOOD	BIRCH / PAINT	Α	SOLID WOOD	BIRCH / PAINT		
36		<del>7 - 0</del> 7' - 0"	H1	SOLID WOOD	NATURAL FIR / CLEAR	Δ	SOLID WOOD	NATURAL FIR / CLEAR		
37A		<del>7 - 0</del> 7' - 0"	H1	SOLID WOOD		A	SOLID WOOD	NATURAL FIR / CLEAR		
		7 - 0 7' - 0"		???		???	???	???		
38			B1		PAINT					
00A	3' - 0"	7' - 0"	C2	SOLID WOOD	BIRCH / PAINT	A	SOLID WOOD	BIRCH / PAINT	1	HR RATED

TORPOR TORPOR	AT LO COS SUDA USA
TOWN OF V	VAYLANI

WAYLAND CoA **COMMUNITY CENTER** 8 ANDREW AVENUE, WAYLAND, MA 01778



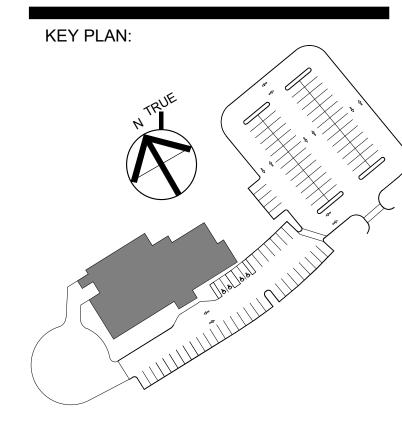
A LiRo Group Company BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100 FAX. 617.723.9113

> PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: Date 4 Revision 4 A 09/19/2022 100% DD SET B 10/12/2022 50% CD SET C 11/23/2022 90% CD SET -\_\_\_\_

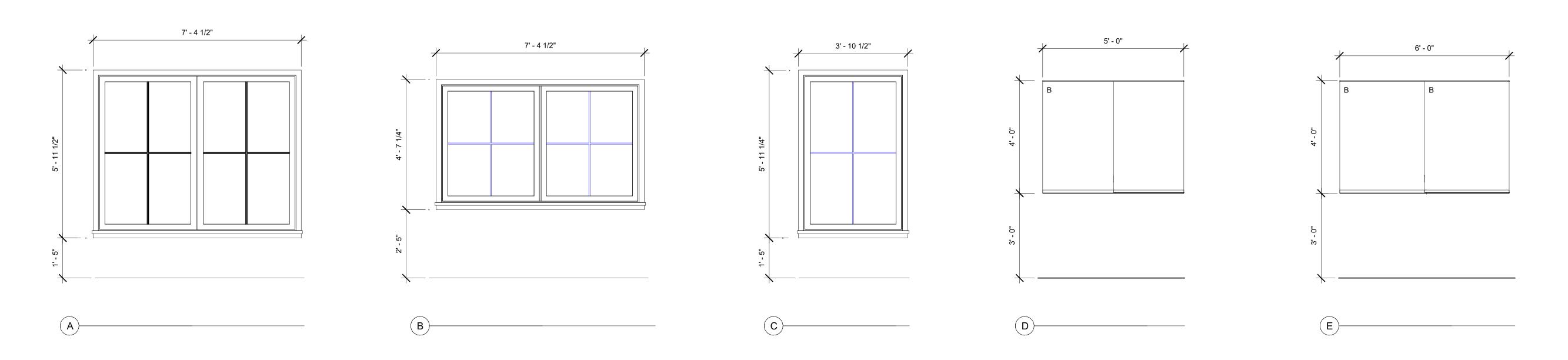


DRAWING TITLE: DOOR AND HARDWARE SCHEDULE AND DETAILS

DRAWN BY:	SEAL:
MK	
CHECKED BY:	
TA	
SCALE:	
1/2" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

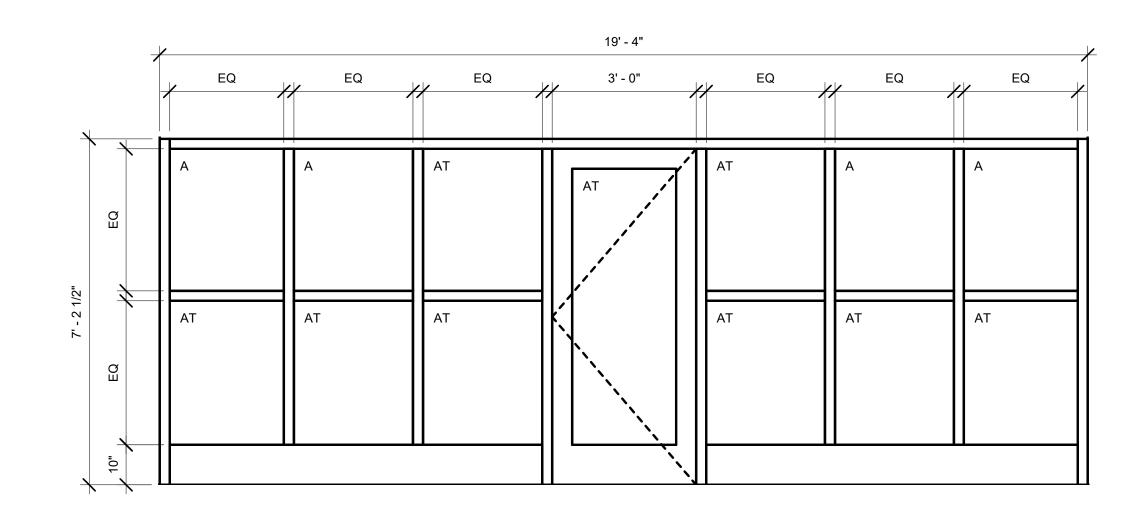
PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

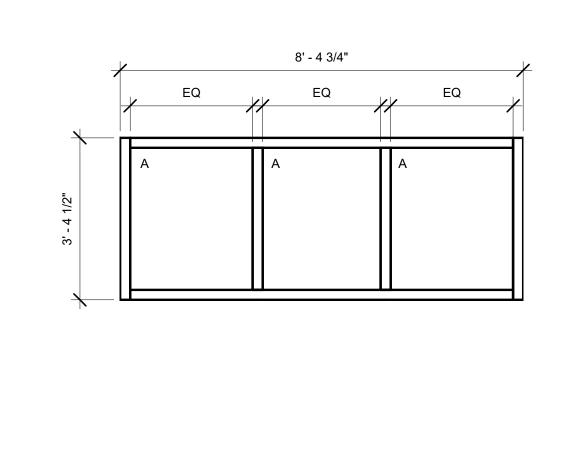
DATE & TIME PRINTED: 11/23/2022 2:56:26 PM

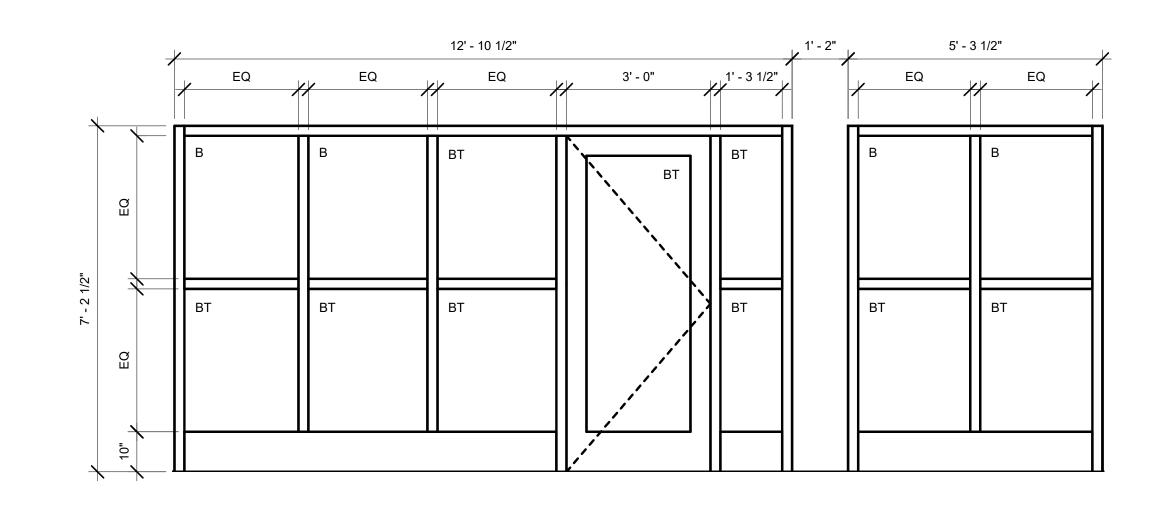


WINDOW DETAILS

1/2" = 1'-0"



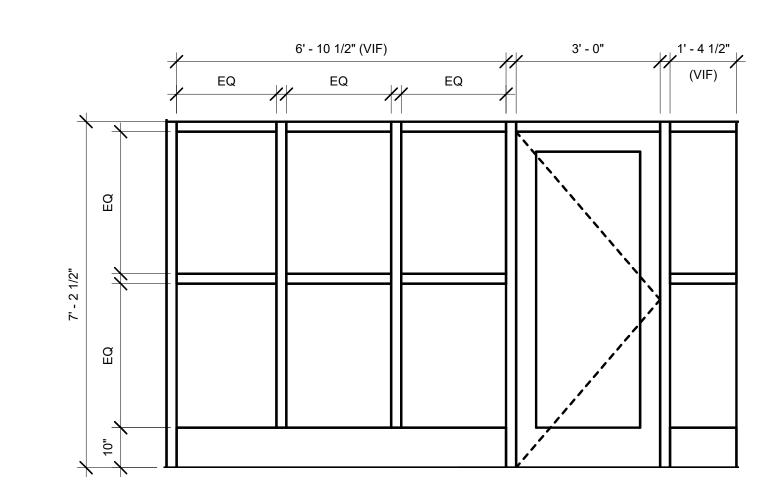


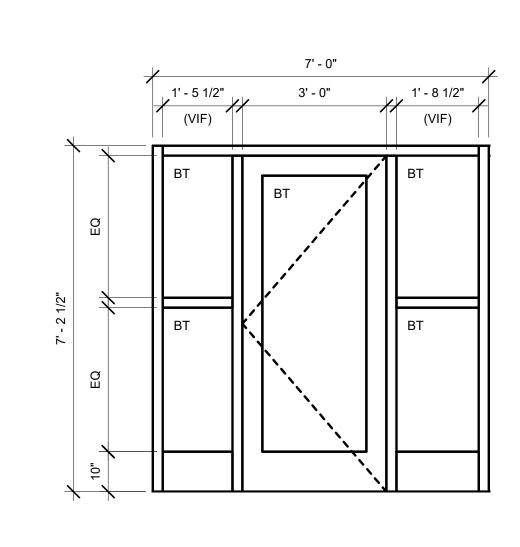


1 STOREFRONT ELEVATION (1) 1/2" = 1'-0"

2 STOREFRONT ELEVATION (2) 1/2" = 1'-0"

3 STOREFRONT ELEVATION (3) 1/2" = 1'-0"

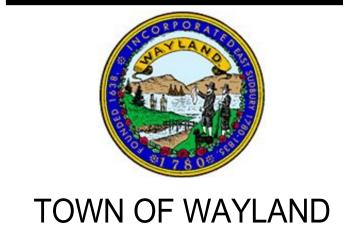




						WINDOW	/ SCHEDULE						
	R.	O.		Manufactur							Glazi	ng	
Type Mark	Width	Height	Type	er	Model	Material	Finish	Head	Jamb	Sill	Thickness	Type	Comments

6 STOREFRONT ELEVATION (4) 1/2" = 1'-0"

5 STOREFRONT ELEVATION (5) 1/2" = 1'-0"



WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE,
WAYLAND, MA 01778



CHITECTURE BOSTON

ARCHITECTURE
PLANNING
INTERIOR DESIGN

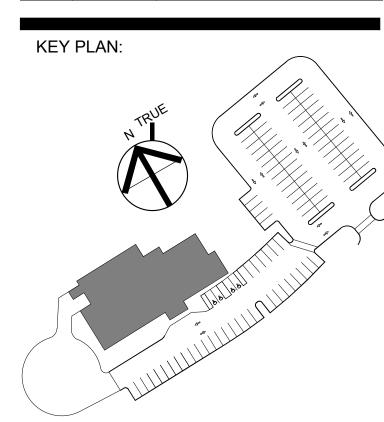
529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

| ISSUE/REVISION:
NO:	DATE:	DESCRIPTION:
Date 4	Revision 4	
B	10/12/2022	50% CD SET
C	11/23/2022	90% CD SET



DRAWING TITLE:
WINDOW SCHEDULE AND
DETAILS

DRAWN BY:

MK

CHECKED BY:

TA

SCALE:

1/2" = 1'-0"

PROJECT NO.:

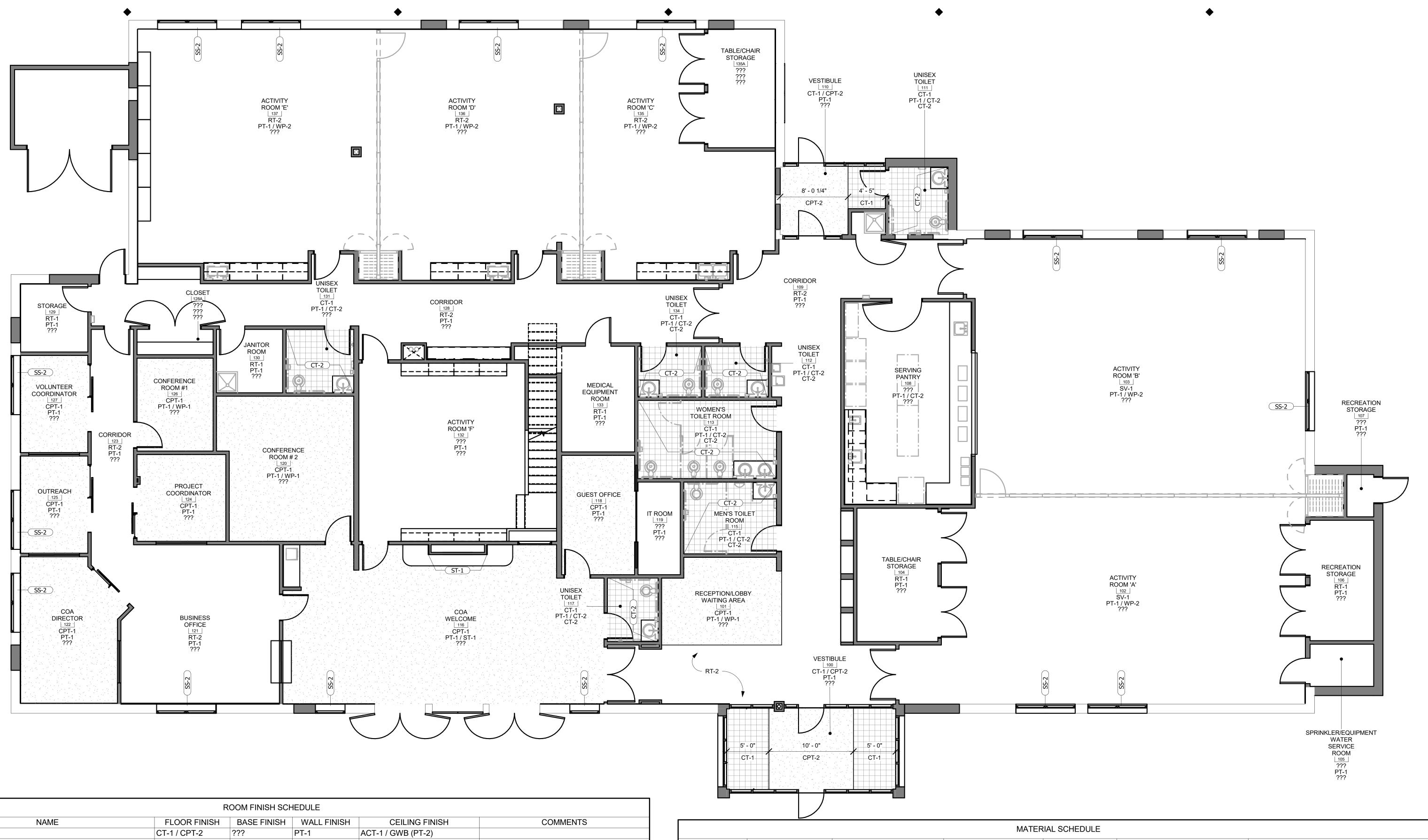
21-125-2125.04

DRAWING NO.:

A-701

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:56:27 PM



		I	ROOM FINISH SC	HEDULE		
NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
100	VESTIBULE	CT-1 / CPT-2	???	PT-1	ACT-1 / GWB (PT-2)	
101	RECEPTION/LOBBY WAITING AREA	CPT-1	???	PT-1 / WP-1	ACT-1 / ACT-2	
102	ACTIVITY ROOM 'A'	SV-1	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
103	ACTIVITY ROOM 'B'	SV-1	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
104	TABLE/CHAIR STORAGE	RT-1	???	PT-1	ACT-1	
105	SPRINKLER/EQUIPMENT WATER SERVICE ROOM	???	???	PT-1	ACT-1	
106	RECREATION STORAGE	RT-1	???	PT-1	ACT-1	
107	RECREATION STORAGE	???	???	PT-1	ACT-1	
108	SERVING PANTRY	???	???	PT-1 / CT-2	ACT-1	
109	CORRIDOR	RT-2	???	PT-1	ACT-1 / GWB (PT-2)	
110	VESTIBULE	CT-1 / CPT-2	???	PT-1	ACT-1 / GWB (PT-2)	
111	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
112	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
113	WOMEN'S TOILET ROOM	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
115	MEN'S TOILET ROOM	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
116	COA WELCOME	CPT-1	???	PT-1 / ST-1	ACT-1 / ACT-2 / GWB (PT-2)	
117	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
118	GUEST OFFICE	CPT-1	???	PT-1	ACT-1	
119	IT ROOM	???	???	PT-1	ACT-1	
120	CONFERENCE ROOM # 2	CPT-1	???	PT-1 / WP-1	ACT-1	
121	BUSINESS OFFICE	RT-2	???	PT-1	ACT-1	
122	COA DIRECTOR	CPT-1	???	PT-1	ACT-1	
123	CORRIDOR	RT-2	???	PT-1	ACT-1	
124	PROJECT COORDINATOR	CPT-1	???	PT-1	ACT-1	
125	OUTREACH	CPT-1	???	PT-1	ACT-1	
126	CONFERENCE ROOM #1	CPT-1	???	PT-1 / WP-1	ACT-1	
127	VOLUNTEER COORDINATOR	CPT-1	???	PT-1	ACT-1	
128	CORRIDOR	RT-2	???	PT-1	ACT-1 / GWB (PT-2)	
128A	CLOSET	???	???	???		
129	STORAGE	RT-1	???	PT-1	ACT-1	
130	JANITOR ROOM	RT-1	???	PT-1	GWB (PT-2)	
131	UNISEX TOILET	CT-1	???	PT-1 / CT-2	GWB (PT-2)	
132	ACTIVITY ROOM 'F'	???	???	PT-1	ACT-1	
133	MEDICAL EQUIPMENT ROOM	RT-1	???	PT-1	ACT-1	
134	UNISEX TOILET	CT-1	CT-2	PT-1 / CT-2	GWB (PT-2)	
135	ACTIVITY ROOM 'C'	RT-2	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
135A	TABLE/CHAIR STORAGE	???	???	???		
136	ACTIVITY ROOM 'D'	RT-2	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
137	ACTIVITY ROOM 'E'	RT-2	???	PT-1 / WP-2	ACT-1 / GWB (PT-2)	
138	TRASH ENCLOSURE	???	???	???		
200	MECHANICAL PLATFORM	???		PT-1	GWB (PT-2)	

			MA	ATERIAL SCHEDULE		
TYPE	MANUFACTURER	SERIES	MODEL	SIZE	COLOR	COMMENTS
CADDET						
CARPET CPT-1	INIVICIONI		PLANKS			
CPT-1 CPT-2	INVISION MATS INC					RAISED CARPET SLATS THROUGH TROUGH
JP 1-2	IVIA 13 INC		<b></b>			RAISED CARPET SLATS THROUGH TROUGH
CEILING TILE						
ACT-1	ARMSTRONG	DUNE, 2nd LOOK	TEGULAR	24" x 24"	WHITE	15/16 GRID
ACT-2	ARMSTRONG	WOODWORKS	GRILLE			
ACT-3	ARMSTRONG					
	_					
CERAMIC TIL		ADOCNIT				
CT-1	CROSSVILLE	ARGENT				MATTE AND OLOGO FINIOLI
CT-2	DALTILE	<u></u>	<b> </b>			MATTE AND GLOSS FINISH
PAINT						
PT-1	BENJAMIN MOORE	EGG-SHELL			ACCOLADE 'KM4957'	GENERAL PAINT
PT-2	BENJAMIN MOORE	MATTE				SOFFIT / CEILING PAINT
PT-3	BENJAMIN MOORE	SEMI-GLOSS				DOOR FRAME PAINT
PLASTIC LAM PL-1	INATE					
			,	·		
RESILIENT TI		EVOELON				
RT-1	ARMSTRONG	EXCELON				
RT-2	FORBO	MARMOLEUM	<b> </b>			
SHEET VINYL						
SV-1	JOHNSONITE					
	1					I .
SOLID SURFA	<b>CE</b>					
SS-1						
SS-2						
		LIII LOTONIE	1110554			
STONE VEEN		HILLSTONE	LUCERA			
	ELDORADO					
ST-2						
		TYPE II				



WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE, WAYLAND, MA 01778



529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISS	UE/REVISI	ON:
NO:	DATE:	DESCRIPTION:
	Date 4	Revision 4
Α	09/19/2022	100% DD SET
В	10/12/2022	50% CD SET
С	11/23/2022	90% CD SET

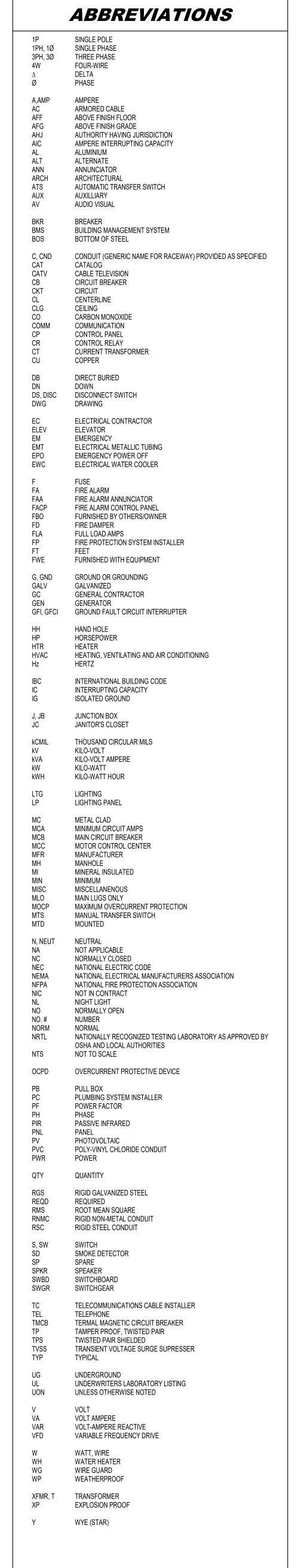
KEY PLAN:

# DRAWING TITLE: OVERALL GROUND FINISH

DRAWN BY: MK CHECKED BY: TA SCALE: 3/16" = 1'-0" PROJECT NO.: 21-125-2125.04 DRAWING NO.:

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/Wayland On 08-24-22.rvt

DATE & TIME PRINTED: 11/23/2022 2:56:30 PM



# ONE-LINE SCHEMATIC SYMBOLS RANSIENT VOLTAGE SURGE SUPPRESSION TO PROTECT LL, UN, NH, LG

ONE-EIN	LOGITLINATIOOTINDOLO
<u>IDENTIFIER</u>	<u>DESCRIPTION</u>
₩.\$ ₩	POWER TRANSFORMER DRY TYPE, UON.
B⊱ v.t.	VOLTAGE TRANSFORMER
<b>{</b> − C.T.	CURRENT TRANSFORMER
	FUSE
GF	GROUND FAULT SENSOR & RELAY
AS	AMPMETER SWITCH
A AM	AMPMETER
	VOLTMETER
M	WATTHOUR METER
** <u>AF</u> ** <u>AT</u>	DRAWCUT CIRCUIT BREAKER "AF" - INDICATES AMPERE FRAME SIZE "AT" - INDICATES AMPERE TRIP SETTING
**AF **AT	SWITCH AND FUSE "400A" - INDICATES AMPERE SWITCH SIZE "300A" - INDICATED AMPERE FUSE SIZE
<u> </u>	SYSTEM GROUND OR EQUIPMENT GROUND
≟°LA	SYSTEM GROUND OR EQUIPMENT GROUND
BPS	PRIMARY DISCONNECT SWITCH (BOLTED PRESSURE TYPE)
o o	AUTOMATIC TRANSFER SWITCH
(100Y)	FEEDER SIZE TAG SYMBOL, REFER TO "LEGEND OFFEEDER SIZE"
K	KIRK KEY INTERLOCK
SPD	TRANSIENT VOLTAGE SURGE SUPPRESSION TO PROTECT LL, UN, NH, LG

<u>IDENTIFIER</u>	DESCRIPTION
$\Rightarrow$ 3	DUPLEX RECEPTACLE - GROUNDING TYPE - MTD 18" AFF UON NUMERAL INDICATES CIRCUIT NUMBER. "AF" INDICATES ARC FLASH TYPE.
#	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTING TYPE - MTD 18" AFF UON
=	DUPLEX RECEPTACLE - GROUNDING TYPE - MTD AT 42" AFF OR 6" ABOVE COUNTER TOP OR BACK SPLASH WHERE EXISTENT.
=	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTING TYPE - MTD 42" AFF OR 6 ABOVE COUNTER TOP OR BACK SPLASH WHERE EXISTENT.
æa	DUPLEX RECEPTACLE - TOP HALF SWITCHED - MTD AT 18" AFF UON. "a" INDICATES SWITCH TO DEVICE CONTROL RELATIONSHIP.
<b>=●</b> <sup>C</sup>	DUPLEX RECEPTACLE - ISOLATED GROUND TYPE - MTD AT 18" AFF UON. "C" INDICATES MTD 42" AFF OR 6" ABOVE COUNTER.
<b>⊕</b> <sup>C</sup>	QUAD RECEPTACLE - GROUNDING TYPE - MTD AT 18" AFF UON. "C" INDICATES MTD 42" AFF OR 6" ABOVE COUNTER. "IG" INDICATES ISOLATED GROUND
Φ	FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE; REFER TO SPECIFICATIONS.
<b>+</b>	FLOOR OUTLET BOX WITH QUAD RECEPTACLE; REFER TO SPECIFICATIONS.
<b>(P)</b>	CEILING MTD BOX WITH DUPLEX RECEPTACLE; REFER TO SPECIFICATIONS.
	SPECIAL PURPOSE RECEPTACLE - "A" INDICATES TYPE AS SHOWN ON DRAWINGS OR IN SPECIFICATIONS.
$\bigcirc$	SPECIAL PURPOSE RECEPTACLE - FLOOR OUTLET BOX - "A" INDICATES TYPE AS SHOWN ON DRAWINGS OR IN SPECIFICATIONS.
PP	POWER POLE; REFER TO SPECIFICATIONS AND DRAWINGS FOR RECEPTACLE CONFIGURATION.
	PLUGMOLD STRIP WITH GROUNDING RECEPTACLES. SEE SPECIFICATIONS.
$\Phi$	WIREMOLD WITH DUPLEX GROUNDING RECEPTACLES. SEE SPECIFICATIONS.
F#	FLOOR MTD DEVICE(S) IN OUTLET BOX(ES) OR A POKE-THRU UNIT. REFER TO DWG. NOTES FOR NUMBER AND TYPE OF DEVICES.
USB <b>-</b> I	COMBINATION USB CHARGER AND GROUNDING TYPE DUPLEX RECEPTACLE - MTD 18" AFF UON. INSTALL IN SINGLE GANG DEEP BACKBOX. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	SEMI-FLUSH WALL MTD, 120 VOLT, 3 WIRE SYNCHROUNOUS, 12/24 HOUR ANALOG FACED CLOCK - INTERCONNECT TO THE NEAREST RECEPTACLE CIRCUIT

HOMERUN TO PANELBOARD 'LP2A' CIRCUIT # 1,3,5.
RACEWAY CONCEALED IN CEILING OR WALLS, OR EXPOSED I JNFINISHED AREAS
RACEWAY CONCEALED IN FLOOR SLAB
FLEXIBLE RACEWAY; SIZE AS REQUIRED
CONDUIT UP
CONDUIT DOWN
CABLE TRAY

<u>IDENTIFIER</u>	<u>DESCRIPTION</u>	
XXX	EQUIPMENT TAG EQUIPMENT NUMBER	
XXX X-XXX	DETAIL TAG/CALL OUT TAG SHEET NUMBER	
$\otimes$	KEYED NOTE	

RECEPTACLES (OFFICE AREA) $\ -\ -\ -\ -$	18" AFF			
RECEPTACLES (UON)	36" AFF			
LIGHT SWITCHES — — — — — — —	48" AFF			
DISCONNECT SWITCHES	NEC 404.8(A)			
TELEPHONE OUTLETS	18" AFF			
TELEPHONE OUTLET (WALL MTD)	48" AFF			
COMPUTER OUTLETS	18" AFF			
CLOCK OUTLETS	7'-6" AFF			
FIRE ALARM PULL STATION	48" AFF			
FIRE ALARM AUDIO/VISUAL ALARM — — -	80" AFF			
EXIT LIGHTS (WALL MTD)	1' ABOVE DOOR			
EMERGENCY LIGHTS (WALL MTD)	— — — — — 7'-6" AFF			
TV OUTLETS	18" AFF			
AUDIO/VIDEO OUTLETS	18" AFF			
MICROPHONE OUTLETS	18" AFF			
PA ANNUNCIATOR PANEL	48" AFF			
WELDING OUTLETS	36" ΔFF			

<u>IDENTIFIER</u>	<u>DESCRIPTION</u>
G	GROUNDING CABLE EXPOSED
G	GROUNDING CABLE BURIED
Q	LIGHTNING PROTECTION ROD
<u> </u>	GROUND ROD
$\sim$	EXOTHERMIC BONDING CONNECTION
$\sim$	BOLTED BONDING CONNECTION

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	A-3P SWITCH, WITH NEMA SIZE 1 STARTER UON. (FUSED STARTE SCONNECT SWITCH INDICATED BY SWITCH AND FUSE SIZE).  AGNETIC MOTOR STARTER.  DTOR - NUMERAL IN PLACE OF 'M' DENOTES HORSEPOWER  INCTION BOX - C CEILING MOUNTED, OD OVER DOOR, ODO OVER DOOR OUTSIDE
□ 30AT 20AF CO 30A DIS MA  MM MC JOD J C JUI  □ PU ELII AR  PB PU	OMBINATION STARTER NON-FUSED DISCONNECT SWITCH, 3 POLE A-3P SWITCH, WITH NEMA SIZE 1 STARTER UON. (FUSED STARTE) SCONNECT SWITCH INDICATED BY SWITCH AND FUSE SIZE).  AGNETIC MOTOR STARTER.  OTOR - NUMERAL IN PLACE OF 'M' DENOTES HORSEPOWER  INCTION BOX - C CEILING MOUNTED, OD OVER DOOR, ODO OVER DOOR OUTSIDE  INCTION BOX WITH CONNECT TO DEVICE  USH BUTTON FURNISHED AND INSTALLED BY OTHERS, WIRED BY ECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH RCHITECT PRIOR TO ROUGHING-IN
DIS MA MC JOD J C JUL PU ELI AR PU	A-3P SWITCH, WITH NEMA SIZE 1 STARTER UON. (FUSED STARTE) SCONNECT SWITCH INDICATED BY SWITCH AND FUSE SIZE).  AGNETIC MOTOR STARTER.  DTOR - NUMERAL IN PLACE OF 'M' DENOTES HORSEPOWER  INCTION BOX - C CEILING MOUNTED, OD OVER DOOR, ODO OVER DOOR OUTSIDE  INCTION BOX WITH CONNECT TO DEVICE  USH BUTTON FURNISHED AND INSTALLED BY OTHERS, WIRED BY ECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH RCHITECT PRIOR TO ROUGHING-IN
M MC  JOD J C  JUI  PU  ELI  AR  PB	OTOR - NUMERAL IN PLACE OF 'M' DENOTES HORSEPOWER  INCTION BOX - C CEILING MOUNTED, OD OVER DOOR, ODO OVER DOOR OUTSIDE  INCTION BOX WITH CONNECT TO DEVICE  USH BUTTON FURNISHED AND INSTALLED BY OTHERS, WIRED BY ECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH RCHITECT PRIOR TO ROUGHING-IN
JUI JUI PU ELI AR	INCTION BOX - C CEILING MOUNTED, OD OVER DOOR, ODO OVER DOOR OUTSIDE  INCTION BOX WITH CONNECT TO DEVICE  JISH BUTTON FURNISHED AND INSTALLED BY OTHERS, WIRED BY ECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH RICHITECT PRIOR TO ROUGHING-IN
JUI PU ELI AR PB	DOOR OUTSIDE INCTION BOX WITH CONNECT TO DEVICE USH BUTTON FURNISHED AND INSTALLED BY OTHERS, WIRED BY ECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH RCHITECT PRIOR TO ROUGHING-IN
PU PU	JSH BUTTON FURNISHED AND INSTALLED BY OTHERS, WIRED BY ECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH RCHITECT PRIOR TO ROUGHING-IN
PB PU	ECTRICAL CONTRACTOR, VERIFY EXACT REQUIREMENTS WITH RCHITECT PRIOR TO ROUGHING-IN
LER L	JLL BOX - SIZE PER ELECTRIC CODE
TC T	
	ME CLOCK/TIMER. REFER TO SPECIFICATIONS.
C	ONTACTOR. REFER TO SPECIFICATIONS.
R	ELAY
VFD VA	ARIABLE FREQUENCY DRIVE
T   Wi	MERGENCY POWER OFF MUSHROOM TYPE PUSHBUTTON PROVID ITH FULL ALUMINUM GUARD, MOUNTED AT 54" A.F.F. UNLESS THERWISE NOTED.
LIG	GHTNING PROTECTION AIR TERMINAL ("S" DENOTES SPRING BASE
GR	ROUNDING BUS BAR.

IDENTIFIER	<u>DESCRIPTION</u>
	SURFACE MOUNTED PANELBOARD 120/208V, 277/480V, & CO PANEL RESPECTIVELY. 6'-6" AFF TO TOP.
	RECESSED/FLUSH MOUNTED PANELBOARD 120/208V, 277/48 CONTROL PANEL RESPECTIVELY. 6'-6" AFF TO TOP.
	SURFACE MOUNTED DISTRIBUTION PANELBOARD 120/208V, CONTROL PANEL RESPECTIVELY. 6'-6" AFF TO TOP.
<u> </u>	METER
	PLYWOOD BACKBOARD
T	DRY TYPE TRANSFORMER, REFER TO ONE-LINE DIAGRAM & TRANSFORMER SCHEDULE
	ELECTRICAL SYSTEM
<b>▼</b> <u>RP211-1</u>	CR = CRITICAL PANEL DP = DISTRIBUTION PANEL
KPZII-I	E = EMERGENCY PANEL

	RP211-1	-CIRCUIT DESIGNATION 1,2,3A,B,CPANEL DESIGNATION 1,2,3A,B,CFLOOR# B = BASEMENT 1 = FIRST FLOOR 2 = SECOND FLOOR -VOLTAGE 2 = 208/120 4 = 480/277	ELECT CR DP E EQ L LCP LS H MDP S OR UDP URP	<ul> <li>LIFE SAFETY PANEL</li> <li>HVAC/MECH PANEL</li> <li>MECHANICAL DISTRIBUTION PANEL</li> <li>STANDBY PANEL</li> <li>OPERATING ROOM (CRITICAL) PANEL</li> <li>UPS DISTRIBUTION PANEL</li> </ul>
--	---------	--	--	---

### **ELECTRICAL GENERAL NOTES**

- ALL ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), AND ALL LOCAL AND MUNICIPAL CODES HAVING JURISDICTION. ELECTRICAL CONTRACTOR (E.C.) TO VISIT SITE, ACQUAINT HIMSELF WITH EXISTING CONDITIONS AND INCLUDE ALL NECESSARY COSTS TO COMPLETE THE INSTALLATION.
- E.C. TO FURNISH AND PAY FOR ALL PERMITS AS REQUIRED AND OBTAIN FINAL CERTIFICATE OF
- INSPECTION.
- CATALOG NUMBERS ARE MEANT TO INDICATE TYPE DESIRED AND MAY BE SUBSTITUTED WITH AN APPROVED EQUAL DEVICE. "APPROVED EQUAL" MUST BE SUBMITTED TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO INSTALLATION IN THE FIELD. WORK MUST BE COORDINATED WITH ALL OTHER TRADES TO ELIMINATE CONFLICTS AND
- INTERFERENCES. E.C. MUST PROVIDE PROPER "FIRE STOPPING" AT ALL PENETRATIONS THROUGH FIRE RATED
- APPROVAL PRIOR TO INSTALLATION. NO EXCEPTIONS TAKEN. CONTROL WIRING FOR HVAC UNITS (OTHER THAN LOW VOLTAGE POWER SUPPLY WIRING) SHALL BE DONE BY HVAC CONTRACTOR.

ASSEMBLIES. SUBMIT EXACT MATERIALS AND METHODS TO THE ENGINEER FOR REVIEW AND

- CONDUIT AND WIRE ON POWER AND LIGHTING PLANTS IS NOT SHOWN EXCEPT FOR HOMERUNS. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONDUIT, BOXES, PULL BOXES, WIRING, SWITCHES AND ACCESSORIES TO INTERCONNECT THE ELECTRICAL ITEM FOR CIRCUITING AND HOMERUNS INDICATED SYMBOLICALLY ON THE DRAWINGS. SEE LEGEND-HOMERUNS DESIGNATION FOR SYMBOLOGY APPLICABLE TO ALL SYMBOLS SHOWN.
- UON ON PLANS AND SECTIONS: ALL HEAVY LINES ARE NEW EQUIPMENT CONDUIT, WIRING, ETC. ALL LIGHT LINES ARE EQUIPMENT, CONDUIT, WIRING, ETC. BY OTHERS.
- E.C. MUST INCLUDE IN HIS PRICE COORDINATION OF POWER POLE (FOR POWER AND VOICE/DATA) AND WALL "IN-FEED" BOXES AND "WHIPS" (SEALTITE OR EQUAL). E.C. TO PROVIDE ALL WALL BOXES FOR POWER & VOICE.DATA. E.C. MUST PROVIDE POWER WHIP, EMPTY VOICE/DATA RACEWAYS WITH DRAG LINES, AND FINAL POWER CONNECTIONS TO FURNITURE SYSTEMS, FINAL COORDINATION WITH FURNITURE VENDOR IS THE RESPONSIBILITY OF THE E.C.
- E.C. MUST INCLUDE IN HIS PRICE ALL MATERIAL AND LABOR FOR TEMPORARY POWER AND LIGHTING FOR ALL TRADES DURING DEMOLITION (IF APPLICABLE) & CONSTRUCTION.

**DEMOLITION LEGEND** 

ALL WIRING DEVICES, JUNCTION BOXES, EQUIPMENT AND ASSOCIATED BRANCH CIRCUITRY SHOWN WITH

ALL WIRING DEVICES, JUNCTION BOXES, EQUIPMENT AND ASSOCIATED BRANCH CIRCUITRY SHOWN WITH

ALL WIRING DEVICES, JUNCTION BOXES, EQUIPMENT AND ASSOCIATED BRANCH CIRCUITRY SHOWN WITH

A HEAVYWEIGHT LINE IS NEW, EXISTING TO BE RELOCATED, AND/ OR EXTENDED PORTIONS OF EXISTING

LIGHTING SYMBOLS

DESCRIPTION

CONNECTED TO CIRCUIT NUMBER "2".

CEILING OUTLET AND 2'x4' LED LIGHTING FIXTURE

CEILING OUTLET AND 2'x2' LED LIGHTING FIXTURE

CEILING OUTLET AND 1'x4' LED LIGHTING FIXTURE

CEILING OUTLET AND INCANDESCENT / H.I.D. /

WALL OUTLET AND INCANDESCENT / H.I.D. /

EMERGENCY (LIFE SAFETY) LIGHTING FIXTURE

a = SINGLE POLE, 20 AMP, TOGGLE SWITCH

CONTROLLING LIGHTS "a"

3 = THREE-WAY SWITCH (20 AMP) 4 = FOUR WAY SWITCH (20 AMP)

MC = MOMENTARY CONTACT SWITCH

T = TIMER OPERATED SWITCH

EXIT LIGHT FIXTURE, CEILING AND WALL MOUNT RESPECTIVELY,

FACE(S). DIRECTIONAL ARROWS AS INDICATED ON PLANS

M = MANUAL MOTOR SWITCH (THERMAL OVERLOAD)

P = TOGGLE SWITCH WITH PILOT LIGHT (20 AMP)

WALL MOUNTED OCCUPANCY SENSOR SWITCH

FIXTURE TYPE INDENTIFICATION KEY

<u>L R 2</u> ── SEQUENTIAL NUMERAL INDICATOR

S - SURFACE

W - WALL

T - TRACK

P - PENDANT

CEILING MOUNTED OCCUPANCY SENSOR

CEILING MOUNTED VACANCY SENSOR

TWO BUTTON DIMMER SWITCH

SCENE CONTROLLER

ROOM MANAGER

LED LIGHT FIXTURE

LED LIGHT FIXTURE

"NL" DENOTES NIGHT LIGHT

EMERGENCY WALL PACK

= DOUBLE POLE

D = DIMMER SWITCH

L = LOW VOLTAGE

K = KEYED SWITCH

"EM" DENOTED BATTERY PACK

SHADING INDICATED DIRECTION OF

CEILING PENDANT

WALL SCONCE

LED CHANNEL/STRIP LIGHT; SUSPENDED, CHAIN-HUNG

TYPE "A", CONTROLLED BY SWITCH "a" AND

EXISTING ITEM TO REMAIN

A DOTTED LINE SHALL BE REMOVED.

BRANCH CIRCUITRY INDICATED.

<u>IDENTIFIER</u>

NEW LINE TYPE

**NOTES** 

EXISTING LINE TYPE — — DEMOLITION LINE TYPE

EXISTING ITEM TO BE DEMOLISHED

EXISTING ITEM TO BE RELOCATED TO NEW LOCATION

A LIGHTWEIGHT LINE ARE EXISTING - SHALL REMAIN AND BE MAINTAINED.

EXISTING ITEM TO BE RELOCATED

THE DEMOLITION SCOPE OF WORK IS A COMPLETE ELECTRIVCAL DEMOLITION OF ALL WIRING AND EQUIPMENT WITHIN THE BUILDING. THE EXISTING UTILIY CONDUITS ARE TO REMAIN. THE NEW SCOPE OF WORK IS A NEW ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM. A NEW FIRE ALARM SYSTEM AND LIGHTING SYSTEM. NEW LIGHTING FIXTURES AND CONTROLS, RECEPTACLES, POWER TO EQUIPMENT AND FIRE ALARM DEVICES.

**SCOPE OF WORK:** 

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID. REFER TO SPECIFICATIONS FOR FURTHER SCOPE OF WORK. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

DRAWING LIST ISSUANCE					
DWG#	TITLE				
E-001	ELECTRICAL LEGEND				
E-100	ELECTRICAL SITE PLAN				
E-110	ELECTRICAL SITE ENLARGED PLAN				
E-150	ELECTRICAL FIRST FLOOR PLAN				
E-201	ELECTRICAL FIRST FLOOR LIGHTING PLAN-LEFT				
E-202	ELECTRICAL FIRST FLOOR LIGHTING PLAN-RIGHT				
E-210	ELECTRICAL MEZZANINE LIGHTING PLAN				
E-301	ELECTRICAL FIRST FLOOR POWER PLAN-LEFT				
E-302	ELECTRICAL FIRST FLOOR POWER PLAN-RIGHT				
E-303	ELECTRICAL MEZZANINE POWER PLAN				
E-350	ELECTRICAL PANTRY PART PLAN				
E-400	ELECTRICAL RISER				
E-500	ELECTRICAL SCHEDULES				
E-510	ELECTRICAL MECHANICAL SCHEDULE				
E-600	ELECTRICAL DETAILS SHEET 1 OF 2				
E-610	ELECTRICAL DETAILS SHEET 2 OF 2				
ED-100	ELECTRICAL DEMOLITION - FIRST FLOOR				
ED-101	ELECTRICAL DEMOLITION - MEZZANINE				

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

BOSTON INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: 08/31/2022 BID SET 10/12/2022 50% CD 3 11/15/2022 90% CD \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_

KEY PLAN:

DRAWING TITLE:

DRAWN BY: RDJ CHECKED BY: RDM SCALE: N.T.S. PROJECT NO.: 21-125-2125.04 DRAWING NO.:

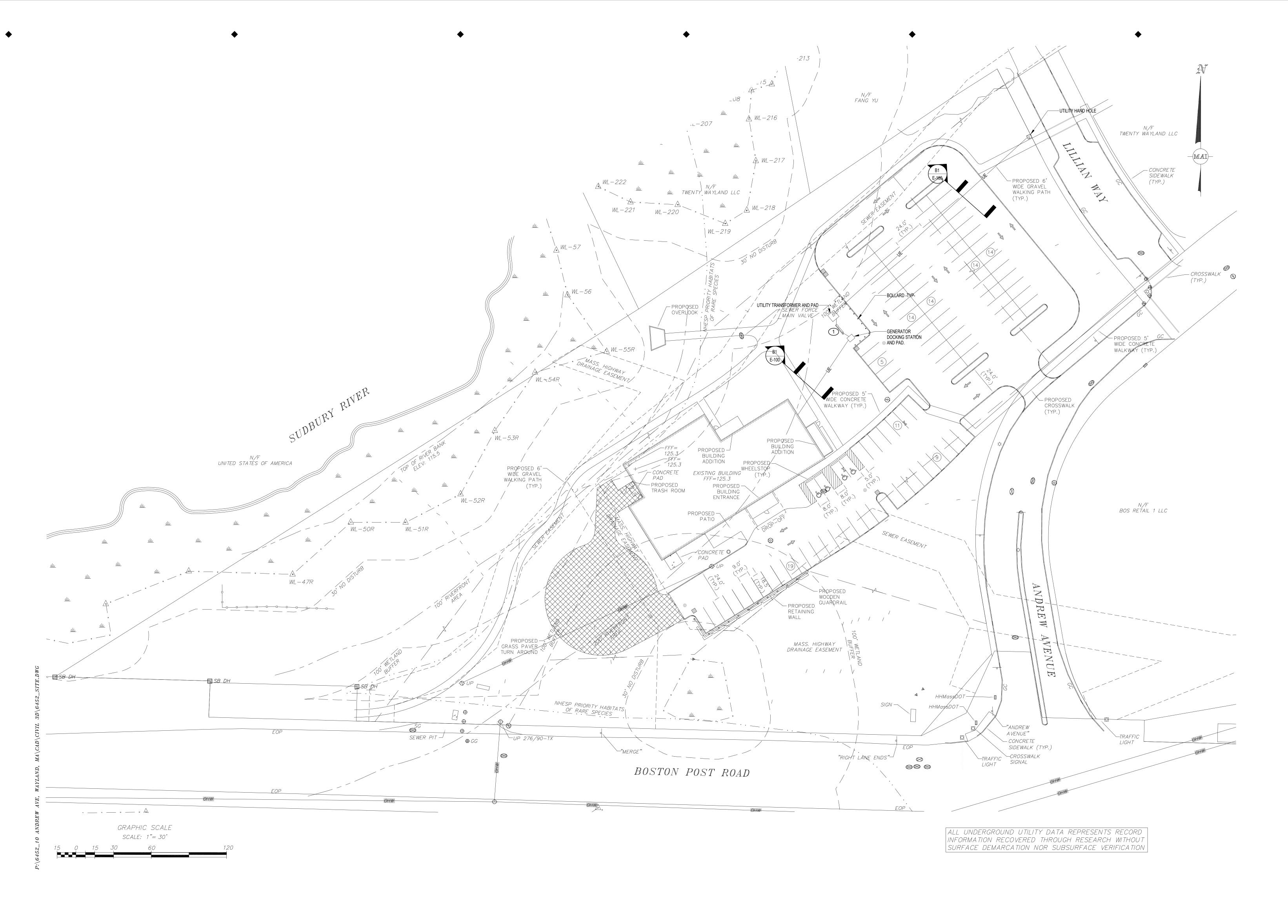
E-001

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior DATE & TIME PRINTED: 11/15/2022 3:53:29 PM

ONS

0V, & CONTROL /, 277/480V, & 20/208V, 277/480V, &

-<u>LAMP TYPE</u> L - LED F - FLOURESCENT H - HID I - INCANDESCENT THIS SHEET IS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS ARE FOR REFERENCE ONLY AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. SYMBOL LEGEND IS SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF A SYMBOL ON THIS LEGEND DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC SYMBOLS USED.



**GENERAL NOTES:** 

COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY. COORDINATE WITH UTILITY FOR OIL CONTAINMENT REQUIREMENT FOR TRANSFORMER PAD.

ALL UNDERGROUND CONDUITS SHALL TRANSITION TO RIDGID CONDUITS UNDERGROUND AND BE RIDGID ABOVE GROUND.

800A FUSED DISCONNECT, CT CABINET WITH METER MOUNTED ON WEATHERPROOF SUPPORT WITH CONCRETE PAD. COORDINATE ALL REQUIREMENTS WITH UTILITY.

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

CHITECTURE

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

KEY PLAN:

DRAWING TITLE:
ELECTRICAL SITE PLAN

DRAWN BY:

JMH

CHECKED BY:

RDJ

SCALE:

1" = 30'-0"

PROJECT NO.:

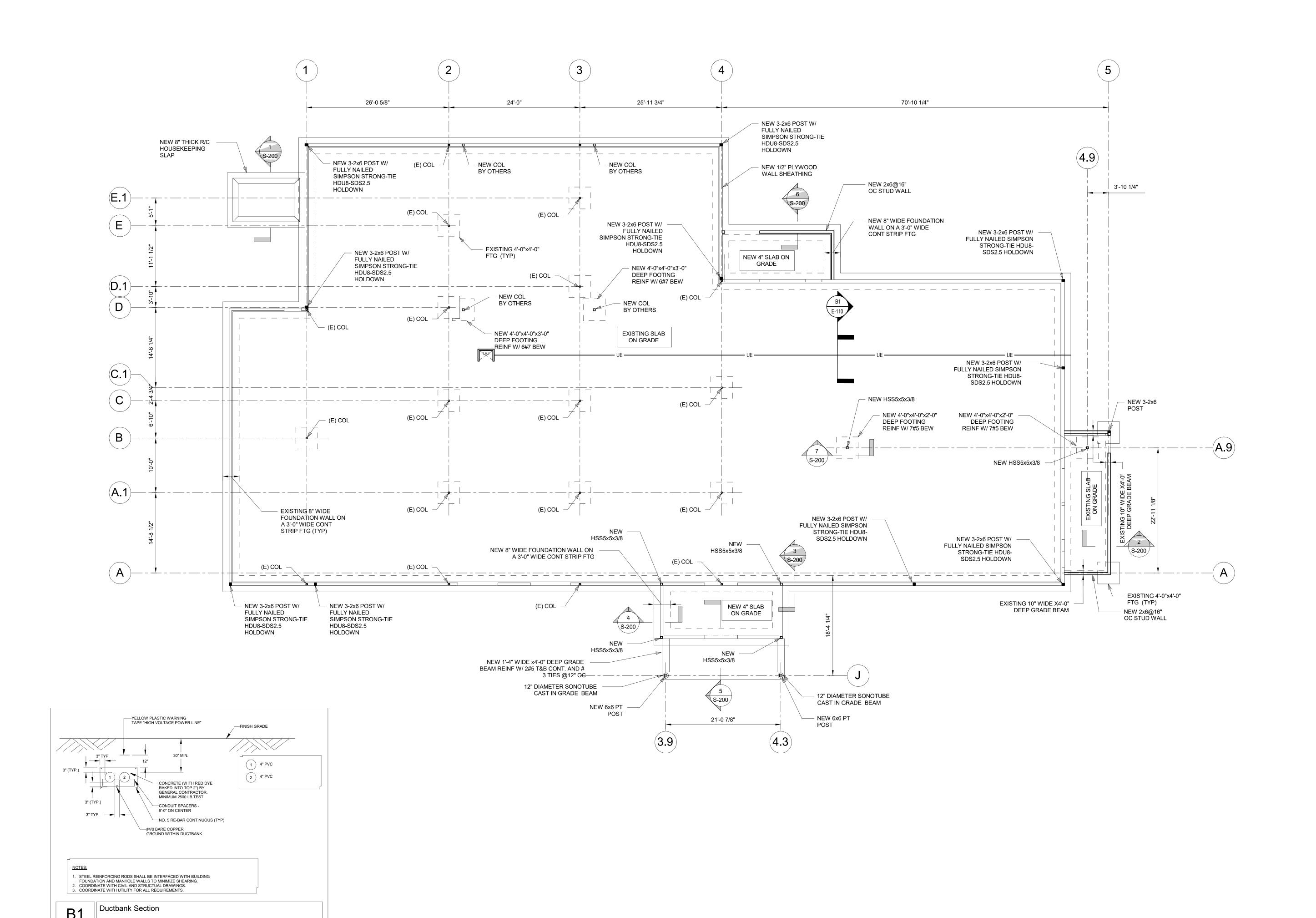
21-125-2125.04

21-125-2125.04 DRAWING NO.:

E-100

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:30 PM



NOT TO SCALE

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

ARCHITECTURE
PLANNING
INTERIOR DESIGN

■ BOSTON

529 MAIN STREET, SUITE 3303
BOSTON, MA 02129
TEL. 617.723.7100
FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

	UE/REVISI		
NO:	DATE:	DESCRIPTION:	
1	08/31/2022	BID SET	
2 3	10/12/2022	50% CD	
3	11/15/2022	90% CD	

DRAWING TITLE:
ELECTRICAL SITE ENLARGED
PLAN

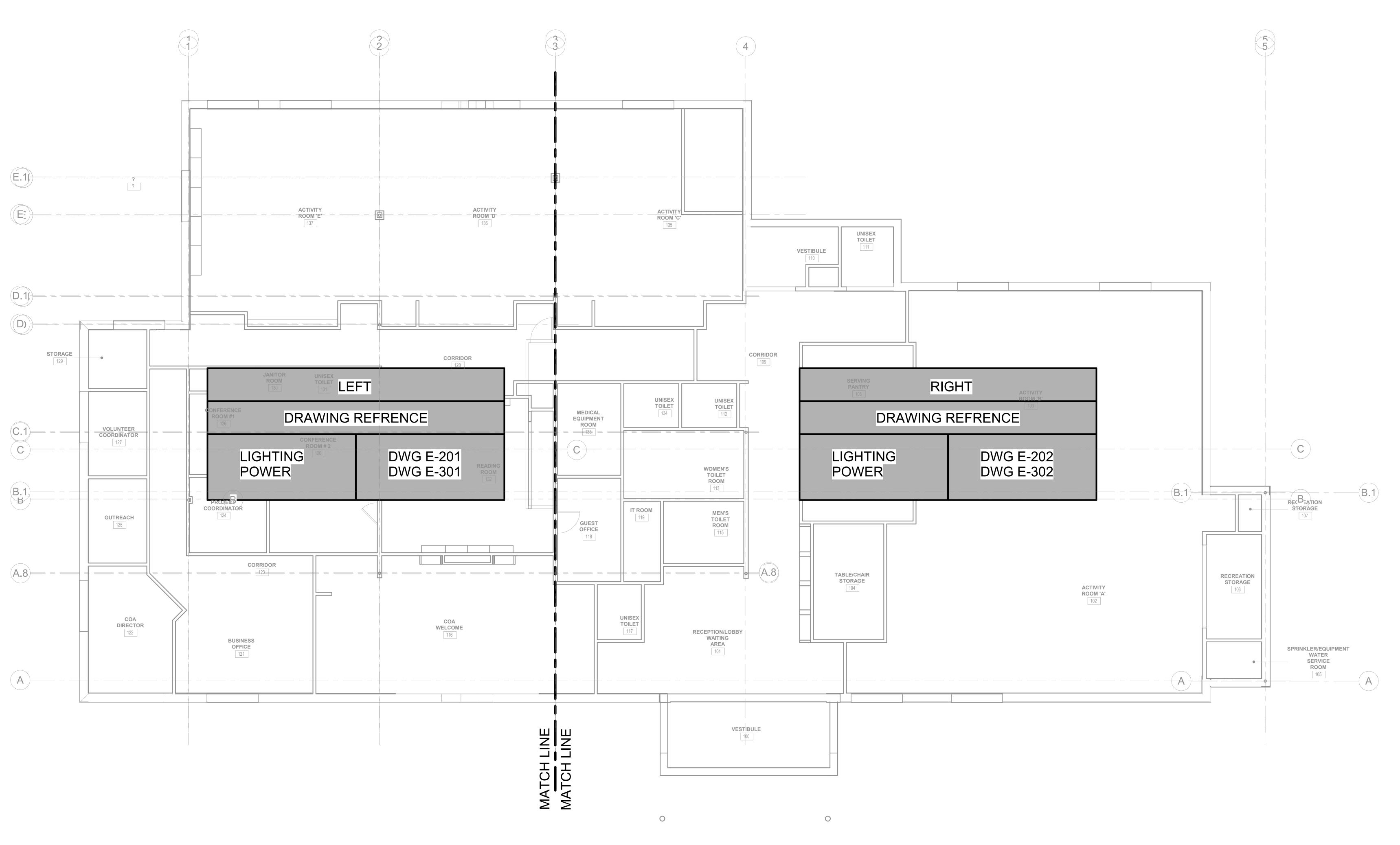
DRAWN BY:
Author
CHECKED BY:
Checker
SCALE:
As indicated
PROJECT NO.:
21-125-2125.04
DRAWING NO.:

KEY PLAN:

E-110

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:31 PM



TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100

FAX. 617.723.9113 PORTLAND

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: 
 NO:
 DATE:
 DESCRIPTION:

 1
 08/31/2022
 BID SET

 2
 10/12/2022
 50% CD

 3
 11/15/2022
 90% CD

KEY PLAN:

\_\_\_\_

DRAWING TITLE:
ELECTRICAL FIRST FLOOR

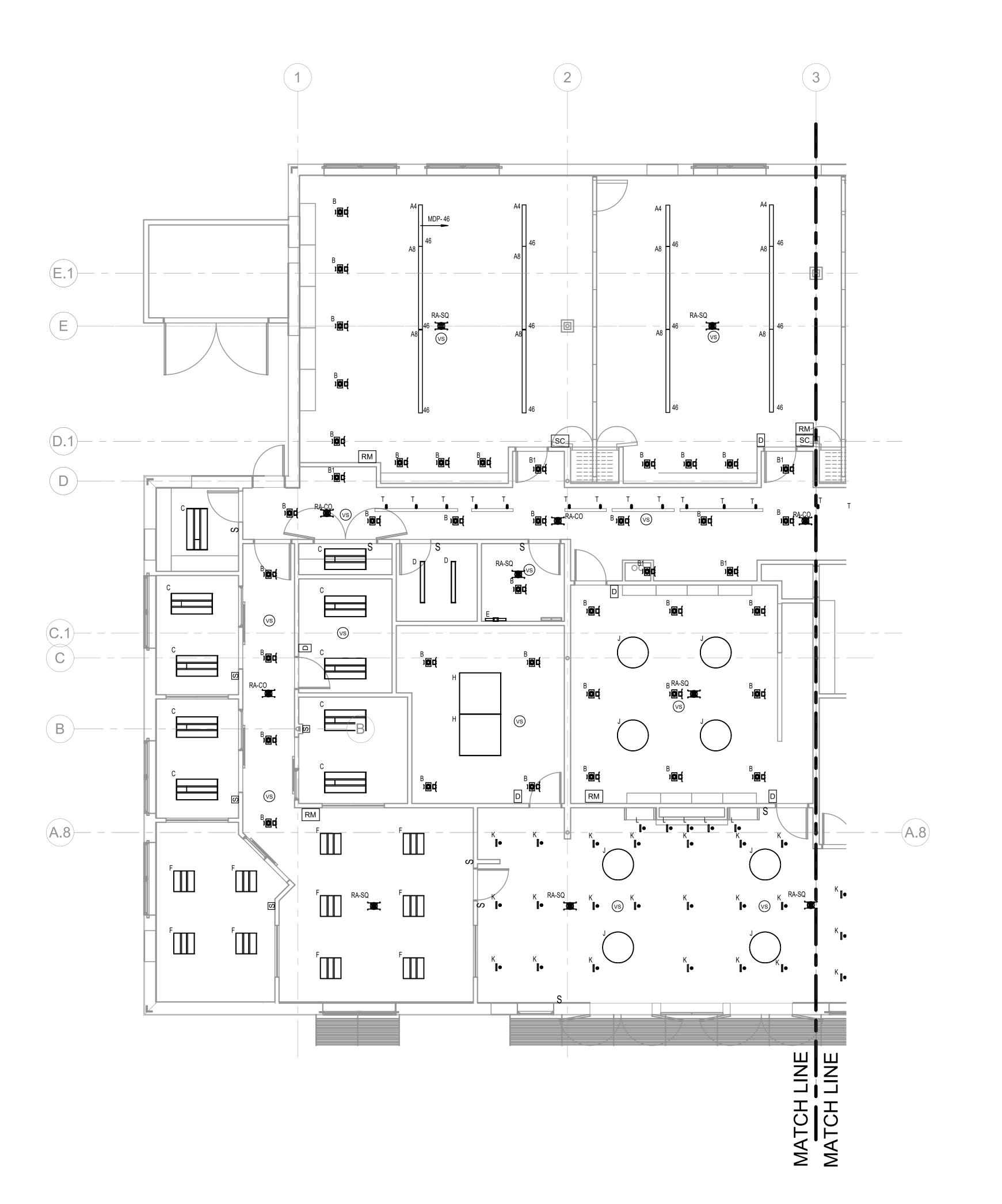
DRAWN BY: CHECKED BY: RDM

3/16" = 1'-0" PROJECT NO.: 21-125-2125.04

DRAWING NO.: E-150

DATE & TIME PRINTED: 11/15/2022 3:53:32 PM

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt



### **GENERAL NOTES:**

THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS.

- 2. THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
- SERIES FIXTURES SHALL SATISFY LENGTHS AS SHOWN ON THE DRAWINGS.
   FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE
- FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED.
- ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILINGS.
- ALL LED FIXTURES ARE TO BE STANDARD COOL WHITE COLOR, 4100K UNLESS OTHERWISE SPECIFIED.
- 7. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL COMPLY WITH THE LATEST ADOPTED ADDITION OF THE NEC.

### **NUMBERED NOTES:**

- Stair lighting fixtures shown on sheet 210 (fixture "S") mounting heigh will be 7'6" above tread. One fixture will be located at the bottom of the stair, one will be located in hte middle and one will be located at the top of the stair.
- Coordinate lighting fixture finishes with architect
- Room managers (RM) will be installed above ceiling

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



BOS 529

INTERIOR DESIGN

■ BOSTON

529 MAIN STREET, SUITE 3303

BOSTON, MA 02129

TEL. 617.723.7100

FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400

FAX. 207.582.8320

CONSULTANT:

ISSUE/REVIS	SION:
NO: DATE:	DESCRIPTION:
1 08/31/2022	BID SET
2 10/12/2022 3 11/15/2022	50% CD
3 11/15/2022	90% CD
-	
-	
-	
KEY PLAN:	N TRI

							I		
Label	Manufacturer	Model Part Number	Alternate 1	Alternate 2	Voltage	Fixture Watttage	Lamp Type	Mounting Type	Description
A8	Lux Illuminare	Lux Illuminaire # ARX.4-P-DI-375-375-8-35K-8-2-UNV-S1-W-9C-24-WF	Delviro # DTL-8-3.5-3.5-80-35K-U-FR-AC-5 WIRE-N-ARCH SQ	LED Industries # LI-L8890UD-8-54W-35-2	UNIVERSAL	23.3	LED	Pendant	8' Direct/Indirect Pendant
A4	Lux Illuminare	Lux Illuminaire # ARX.4-P-DI-375-375-4-35K-8-2-UNV-S1-W-9C-24-WF	Delviro # DTL-4-3.5-3.5-80-35K-U-FR-AC-5 WIRE-N-ARCH SQ	LED Industries # LI-L8890UD-4-36W-2-35-2	UNIVERSAL	23.3	LED	Pendant	4' Direct/Indirect Pendant
В	Vantage Lighting	Vantage # A4VOFLEDU-15-35K-L4060-SCL-ZDM	Peachtree # 4CLRD-20-DMLV1-35K-80-SH-TRW-120	Nora # NIO-4RNDC-35X-WW	UNIVERSAL	20.5	LED	Reccessed	4" Round, open, reccessed LED downlight
B1	Vantage Lighting	Vantage # A4VOFLEDU-07-35K-L4060-SCL-ZDM	Peachtree # 4CLRD-08-DMLV1-35K-80-SH-TRW-120	Nora # NIO-4RNDC-35X-WW	UNIVERSAL	8.88	LED	Reccessed	4" Round, open, reccessed LED downlight
С	Saylite	Saylite # CBF-24L-Y30W-DMV-35K	Mobern # RDISE-24-LED-30-DMV-FR-35	Nora # NPTCB-E-24L40-35-AW	UNIVERSAL	30	LED	Reccessed	24"x48" LED volumetric recessed luminare
D	Saylite	Saylite # C-24L-FR-Y20W-DMV-35K	Nora # NLSTR-4L1334W	Mobern # 44-48-LED-20-DMV-FR-35	UNIVERSAL	20	LED	Surface	24" LED open and lensed strip
E	Teron Lighting	Teron # CDTS-L17.0-UNV-SN-35K	LED Industries # LI-A1249A-CR	Quanta # 6182-3	UNIVERSAL	17	LED	Wall Mounted	Wall mounted LED light fixture
F	Saylite	Saylite # CBF-22L-Y25-DMV-35K	Mobern # RDISE-22-LED-25-DMV-FR-35	Nora # NPTCB-E-22-35-AW	UNIVERSAL	25	LED	Recessed	24"x24" LED volumetric reccessed luminare
G	Chameleon Lighting	Chamelon # FD-24-S-L-SV4-34A24-35K-9	Gross Chandelilier # GL-3742-LL55-A	Teron # HPKXL-L37.5-ZE-UNV-35K	UNIVERSAL	34	LED	Surface	Acrylic fabric double drum(PROGRAMMED DRIVER TO 70% TOTAL OUTPUT)
Н	Saylite	Saylite # SBC-SM-48X48-LP-44-DMV-TBD-35K	Gross Chandelilier # GL-3735-L85-A	Mobern # IGB-SM-48X48-88-DMV-35	UNIVERSAL	44	LED	Surface	48"x48" LED shadowbox(PROGRAMMED DRIVER TO 5000LM, 50W)
J	Chameleon Lighting	Chamelon # FD-36-S-L-SV4-40D24-35K-9	Gross Chandelilier # GL-3744-LL85-A	Teron # HPKXL-L37.5-ZE-UNV-35K	UNIVERSAL	40	LED	Surface	Acrylic fabric double drum
К	Vantage Lighting	Vantage # V3CRR-U-07-35K-L3040-SGC-W-WHT-NCFAQ-SDM	Nora # NIOB-2RNDC-35X-WW	Lumen Warm # LWDE-3in-RD-RT-MWH-NT-RB-MWH-36-35K-6W-IP20-AC5-Z10V	UNIVERSAL	7.6	LED	Reccessed	Regressed lense round
L	Vantage Lighting	Vantage # V3CRRADJ-07-35K-L2040A-SGC-M-WHT-NCFAQ-SDM	Nora # NIOB-2RC-35X-WW	Lumen Warm # LWDE-3in-RD-RT-MWH-TT-RB-MWH-36-35K-6W-IP20-AC5-Z10V	UNIVERSAL	7.6	LED	Reccessed	Regressed lense round-shallow housing
М	Delviro Energy	Delviro # DTL SD-3.18-2FT-500-80-35K-U-FR-WH-AC-DIMOFF-N-1-N-N-W-TBD-W	Lamar LED # NLSD-24-H-B-35	Lux Illuminaire # EOS 3.0-P-D-AM-500-2-35K-8-UNV-S1-9C-24	UNIVERSAL	10	LED	Surface	Architectual luminare
N	Saylite	Saylite # BFP-24L-40M4400L-DMV-MCT	Nora # NPDBLSW-E24-335	Sigma Luminous # DPS-24-R-45W-3500K	UNIVERSAL	30	LED	Surface	LED back lit flat panel
S	Solais	Solais # INDL-2-8-35-R-PW-UNV	Delviro # ZIP 2-20-80-35K-U-FR-WH-FM-IN-EM-ZIP ECO	Lamar LED # DLLR-24-M-RA-35-IRFO-EM	UNIVERSAL	20	LED	Wall Mounted	2' wall mounted stairwell light
Т	Solais	Solais # LCS-2-NFL-8-35-1200-PW-J	Nora # NTE-856-L1-M-934-W	Quanta # TL611-Q2-35-08-30-WH	UNIVERSAL	16.3	LED	Track Head	2.5" trackhead
Т8	Solais	Solais # J8/WH	Nora # NT-304WA	Quanta #TSQ1-08-6-1	UNIVERSAL	2400	-	Track	8' track, 2400 max W
T6	Solais	Solais # J6/WH	Nora # NT-303W	Quanta # TSQ1-06-6-1	UNIVERSAL	2400	-	Track	6' track, 2400 max W
T4	Solais	Solais # J4/WH	Nora # NT-302W	Quanta # TSQ1-04-6-1	UNIVERSAL	2400	-	Track	4' track, 2400 max W
RA-CO	Emergi-Lite	Emergi-Lite # W-RA	Utopia # REM-W-SDT	Lightalarms # RP-W	UNIVERSAL	6.04	LED	Reccessed	Emergency lighting
RA-SQ	Emergi-Lite	Emergi-Lite # W-RA-SQ	Utopia # REM-W-SDT	Lightalarms # RP-W-SQ	UNIVERSAL	6.04	LED	Reccessed	Emergency ligting- square distribution pattern
			· · · · · · · · · · · · · · · · · · ·	·					

DRAWING TITLE:
ELECTRICAL FIRST FLOOR
LIGHTING PLAN-LEFT

DRAWN BY:

JMH

CHECKED BY:

RDM

SCALE:

As indicated

PROJECT NO.:

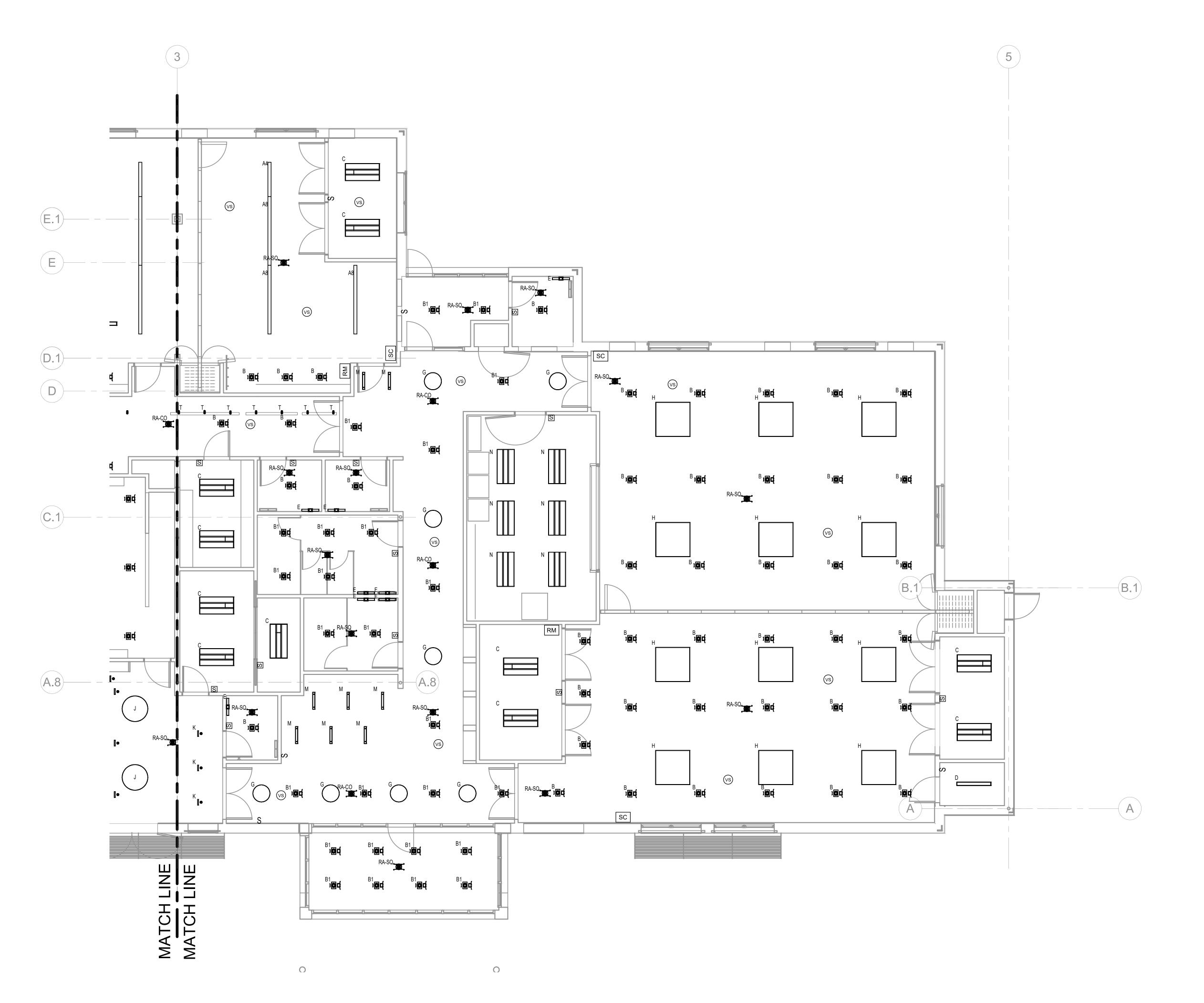
21-125-2125.04

DRAWING NO.:

E-201

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:34 PM



### Voltage Fixture Watttage Mounting Type Alternate 2 Delviro # DTL-8-3.5-3.5-80-35K-U-FR-AC-5 WIRE-N-ARCH SQ 8' Direct/Indirect Pendant Lux Illuminaire # ARX.4-P-DI-375-375-8-35K-8-2-UNV-S1-W-9C-24-WF UNIVERSAL LED Industries # LI-L8890UD-8-54W-35-2 Pendant Lux Illuminare Lux Illuminaire # ARX.4-P-DI-375-375-4-35K-8-2-UNV-S1-W-9C-24-WF Delviro # DTL-4-3.5-3.5-80-35K-U-FR-AC-5 WIRE-N-ARCH SQ LED Industries # LI-L8890UD-4-36W-2-35-2 4' Direct/Indirect Pendant Lux Illuminare UNIVERSAL Vantage # A4VOFLEDU-15-35K-L4060-SCL-ZDM Vantage Lighting Peachtree # 4CLRD-20-DMLV1-35K-80-SH-TRW-120 Nora # NIO-4RNDC-35X-WW UNIVERSAL 4" Round, open, reccessed LED downlight Vantage # A4VOFLEDU-07-35K-L4060-SCL-ZDM Vantage Lighting UNIVERSAL 4" Round, open, reccessed LED downlight Peachtree # 4CLRD-08-DMLV1-35K-80-SH-TRW-120 Nora # NIO-4RNDC-35X-WW Saylite # CBF-24L-Y30W-DMV-35K Mobern # RDISE-24-LED-30-DMV-FR-35 Nora # NPTCB-E-24L40-35-AW 24"x48" LED volumetric recessed luminare Saylite # C-24L-FR-Y20W-DMV-35K Mobern # 44-48-LED-20-DMV-FR-35 UNIVERSAL 24" LED open and lensed strip Nora # NLSTR-4L1334W UNIVERSAL Wall mounted LED light fixture Teron Lighting Teron # CDTS-L17.0-UNV-SN-35K LED Industries # LI-A1249A-CR Mobern # RDISE-22-LED-25-DMV-FR-35 Nora # NPTCB-E-22-35-AW Recessed 24"x24" LED volumetric reccessed luminare UNIVERSAL Acrylic fabric double drum(PROGRAMMED DRIVER TO 70% TOTAL OUTPUT) Chameleon Lighting Chamelon # FD-24-S-L-SV4-34A24-35K-9 Gross Chandelilier # GL-3742-LL55-A Teron # HPKXL-L37.5-ZE-UNV-35K Saylite # SBC-SM-48X48-LP-44-DMV-TBD-35K UNIVERSAL 48"x48" LED shadowbox(PROGRAMMED DRIVER TO 5000LM, 50W) Saylite Gross Chandelilier # GL-3735-L85-A Mobern # IGB-SM-48X48-88-DMV-35 Surface Chameleon Lighting UNIVERSAL Chamelon # FD-36-S-L-SV4-40D24-35K-9 Gross Chandelilier # GL-3744-LL85-A Teron # HPKXL-L37.5-ZE-UNV-35K UNIVERSAL Vantage Lighting Vantage # V3CRR-U-07-35K-L3040-SGC-W-WHT-NCFAQ-SDM Lumen Warm # LWDE-3in-RD-RT-MWH-NT-RB-MWH-36-35K-6W-IP20-AC5-Z10V Regressed lense round Vantage # V3CRRADJ-07-35K-L2040A-SGC-M-WHT-NCFAQ-SDM UNIVERSAL Vantage Lighting Lumen Warm # LWDE-3in-RD-RT-MWH-TT-RB-MWH-36-35K-6W-IP20-AC5-Z10V Regressed lense round-shallow housing Nora # NIOB-2RC-35X-WW Reccessed Delviro Energy Delviro # DTL SD-3.18-2FT-500-80-35K-U-FR-WH-AC-DIMOFF-N-1-N-N-W-TBD-W Lux Illuminaire # EOS 3.0-P-D-AM-500-2-35K-8-UNV-S1-9C-24 UNIVERSAL Lamar LED # NLSD-24-H-B-35 Architectual luminare UNIVERSAL Saylite # BFP-24L-40M4400L-DMV-MCT Nora # NPDBLSW-E24-335 Sigma Luminous # DPS-24-R-45W-3500K UNIVERSAL Lamar LED # DLLR-24-M-RA-35-IRFO-EM Delviro # ZIP 2-20-80-35K-U-FR-WH-FM-IN-EM-ZIP ECO LED Wall Mounted Solais # INDL-2-8-35-R-PW-UNV 2' wall mounted stairwell light UNIVERSAL Quanta # TL611-Q2-35-08-30-WH 2.5" trackhead Solais Solais # LCS-2-NFL-8-35-1200-PW-Nora # NTE-856-L1-M-934-W 16.3 Track Head Nora # NT-304WA Quanta # TSQ1-08-6-1 UNIVERSAL 8' track, 2400 max W Solais # J6/WH Nora # NT-303W Quanta # TSQ1-06-6-1 UNIVERSAL 6' track, 2400 max W Solais # J4/WH Quanta # TSQ1-04-6-1 UNIVERSAL 4' track, 2400 max W Nora # NT-302W UNIVERSAL RA-CO Emergi-Lite # W-RA Utopia # REM-W-SDT Lightalarms # RP-W Reccessed UNIVERSAL RA-SQ Utopia # REM-W-SDT Emergi-Lite Emergi-Lite # W-RA-SQ Lightalarms # RP-W-SQ 6.04 Reccessed Emergency ligting- square distribution pattern

### **GENERAL NOTES:**

THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT

SERIES FIXTURES SHALL SATISFY LENGTHS AS SHOWN ON THE DRAWINGS. FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE

TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED. ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILINGS.

ALL LED FIXTURES ARE TO BE STANDARD COOL WHITE COLOR, 4100K UNLESS OTHERWISE SPECIFIED.

ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL COMPLY WITH THE LATEST ADOPTED ADDITION OF THE NEC.

### **NUMBERED NOTES:**

Stair lighting fixtures shown on sheet 210 (fixture "S") mounting heigh will be 7'6" above tread. One fixture will be located at the bottom of the stair, one will be located in hte middle and one will be located at the top of the stair.

2 Coordinate lighting fixture finishes with architect

PRIOR TO ROUGHING IN.

Room managers (RM) will be installed above ceiling

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100

FAX. 617.723.9113 PORTLAND

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

10/05/2022 50% CD SET

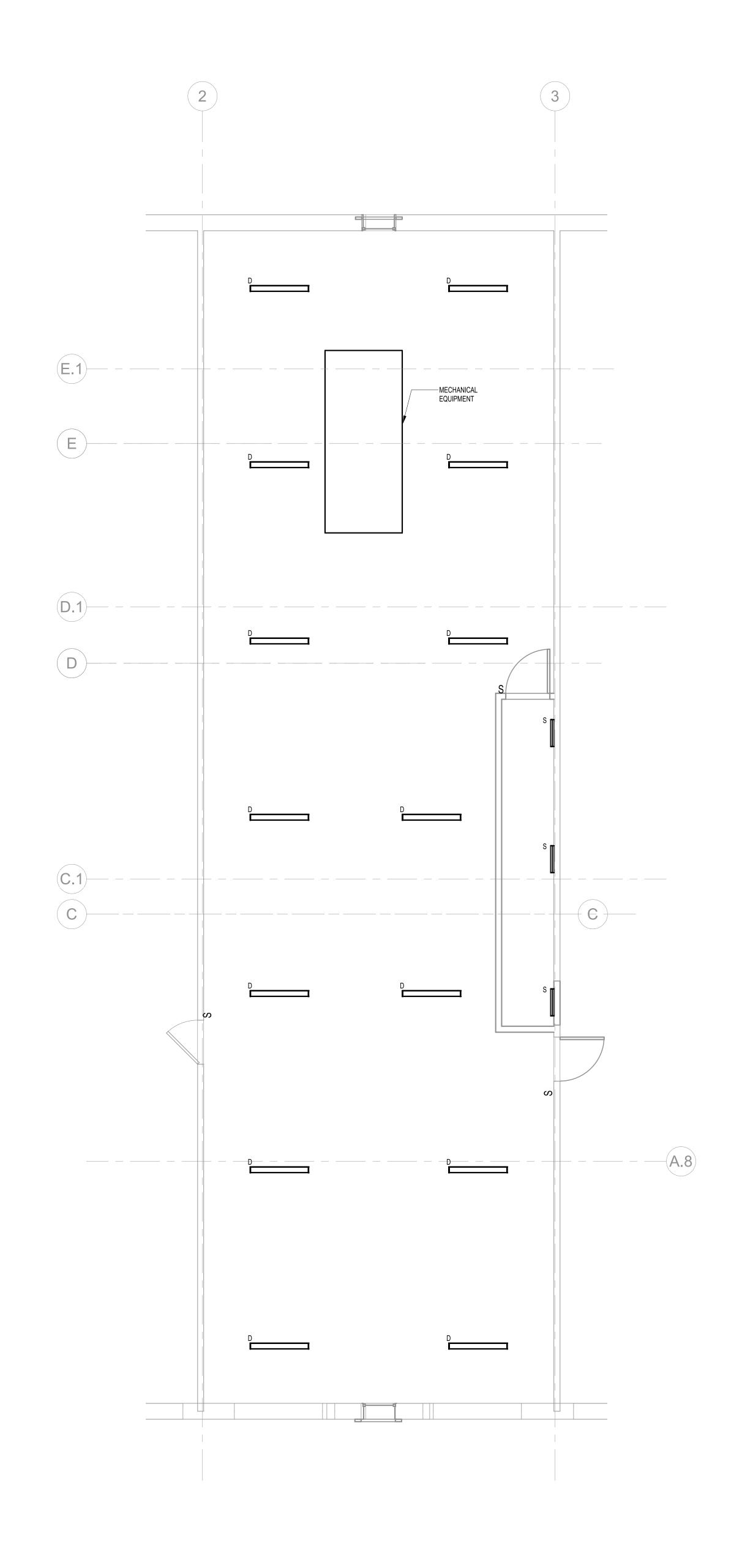
NO:	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	90% CD

DRAWING TITLE: ELECTRICAL FIRST FLOOR LIGHTING PLAN-RIGHT

DRAWN BY: CHECKED BY: RDM SCALE: As indicated PROJECT NO.: 21-125-2125.04 DRAWING NO.:

E-202

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:35 PM



### **GENERAL NOTES:**

THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB REQUIREMENTS.

- 2. THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATION OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
- 3. SERIES FIXTURES SHALL SATISFY LENGTHS AS SHOWN ON THE DRAWINGS.
- 4. FIXTURE LETTERS SHOWN ON A CONTINUOUS ROW OF FIXTURES SHALL BE TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED.
- 5. ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILINGS.
- ALL LED FIXTURES ARE TO BE STANDARD COOL WHITE COLOR, 4100K UNLESS OTHERWISE SPECIFIED.
- 7. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL COMPLY WITH THE LATEST ADOPTED ADDITION OF THE NEC.

### **NUMBERED NOTES:**

Stair lighting fixtures shown on sheet 210 (fixture "S") mounting heigh will be 7'6" above tread. One fixture will be located at the bottom of the stair, one will be located in hte middle and one will be located at the top of the stair.

Coordinate lighting fixture finishes with architect

### TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

# SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

ARCHITECTURE

BOSTON

529 MAIN
BOSTON,
INTERIOR DESIGN

TEL 617

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

■ **PORTLAND**500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

DRAWING TITLE:
ELECTRICAL MEZZANINE
LIGHTING PLAN

DRAWN BY:

JMH

CHECKED BY:

RDJ

SCALE:

1/4" = 1'-0"

PROJECT NO.:

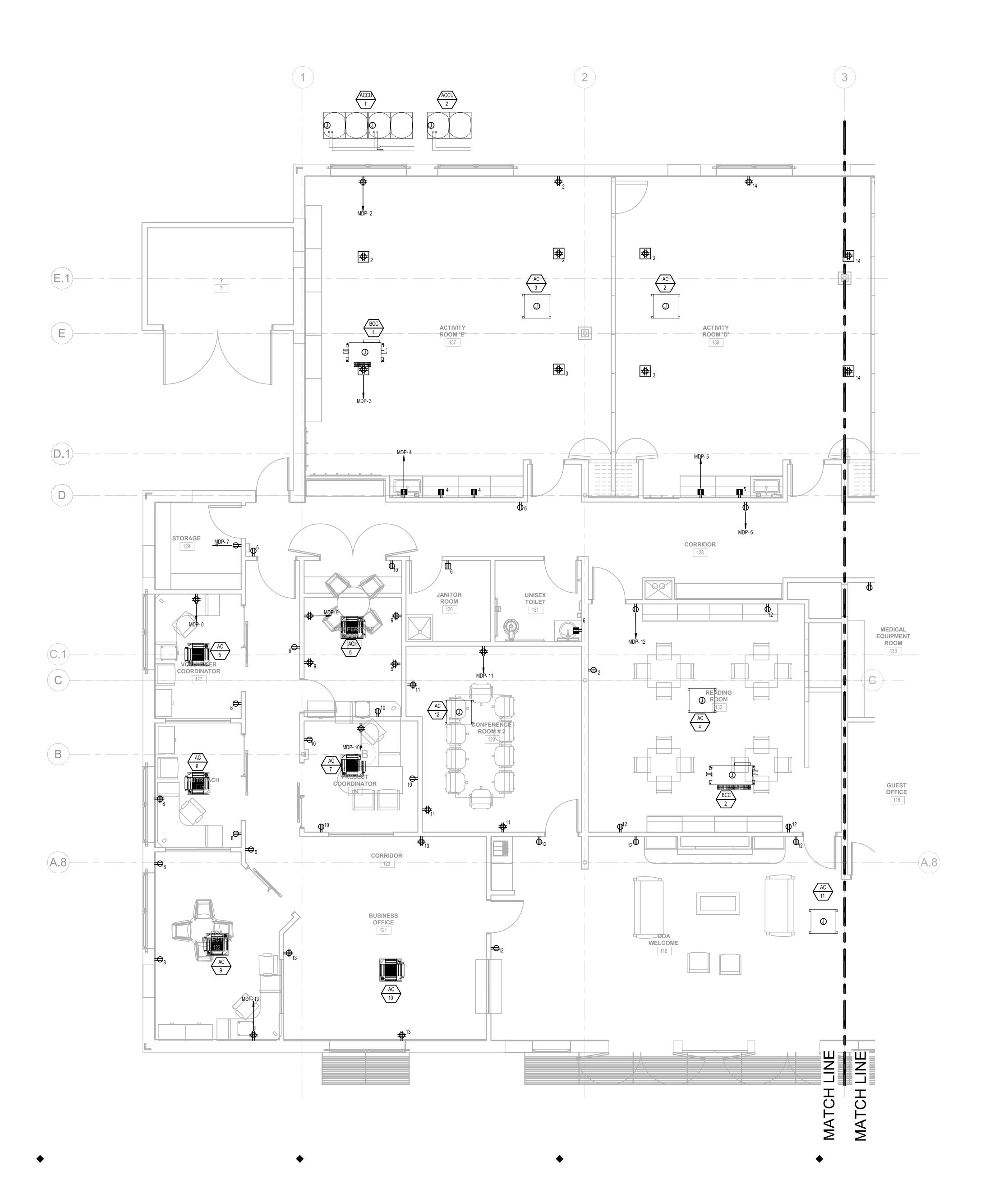
21-125-2125.04

DRAWING NO.:

E-210

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:35 PM



### **GENERAL NOTES:**

- AS PART OF THE ELECTRICAL DRAWING PACKAGE, REFER TO MANUFACTURER APPROVED MANUAL/DRAWINGS FOR ALL INSTALLATION REQUIREMENTS AND PLACEMENT OF EQUIPMENT. ALL RACEWAYS, JUNCTION BOXES, CONDUITS, SWITCHED, POWER RELAY'S AND DEVICES TO BE PROVIDED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
- ALL CONDUITS OR CABLE DUCTS MUST BE SUITABLY SEALED AND PROTECTED TO KEEP THEM CLEAN AND DRY. PROVIDE ADEQUATE CLEARANCE FOR TYPICAL CONDUIT RADIUS OF SIX TIMES THE DIAMETER. CONDUIT BEND SHALL NOT EXCEED 270 DEGREES PER CABLE RUN. ROUTE ALL ROOM PENETRATIONS AS PERPENDICULAR TO THE ISOCENTER AS POSSIBLE TO AVOID RADIATION SCATTER. VERIFY ALL ROOM PENETRATIONS WITH THE PHYSICIST OF RECORD.
- PROVIDE GROUNDING LOOP AND CONNECT TO EXISTING BUILDING GROUNDING SYSTEM IF THE SYSTEM EXISTS.
- MINIMUM WIRE SIZE SHALL BE NUMBER 12 AWG FOR POWER AND LIGHTING CIRCUITS AND NUMBER 14 AWG FOR CONTROL WIRING. 120-VOLT BRANCH CIRCUITS OF MORE THAN 100 FEET AND 277-VOLT CIRCUITS OF MORE THAN 150 FEET FROM CENTER OF LOAD TO PANEL SHALL BE NO. 10 AWG.

### **NUMBERED NOTES:**

1 XXXXXXX

2 XXXXXXXXX

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100

FAX. 617.723.9113 PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103

TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: 1 08/31/2022 BID SET 2 10/12/2022 50% CD 3 11/15/2022 90% CD

KEY PLAN:

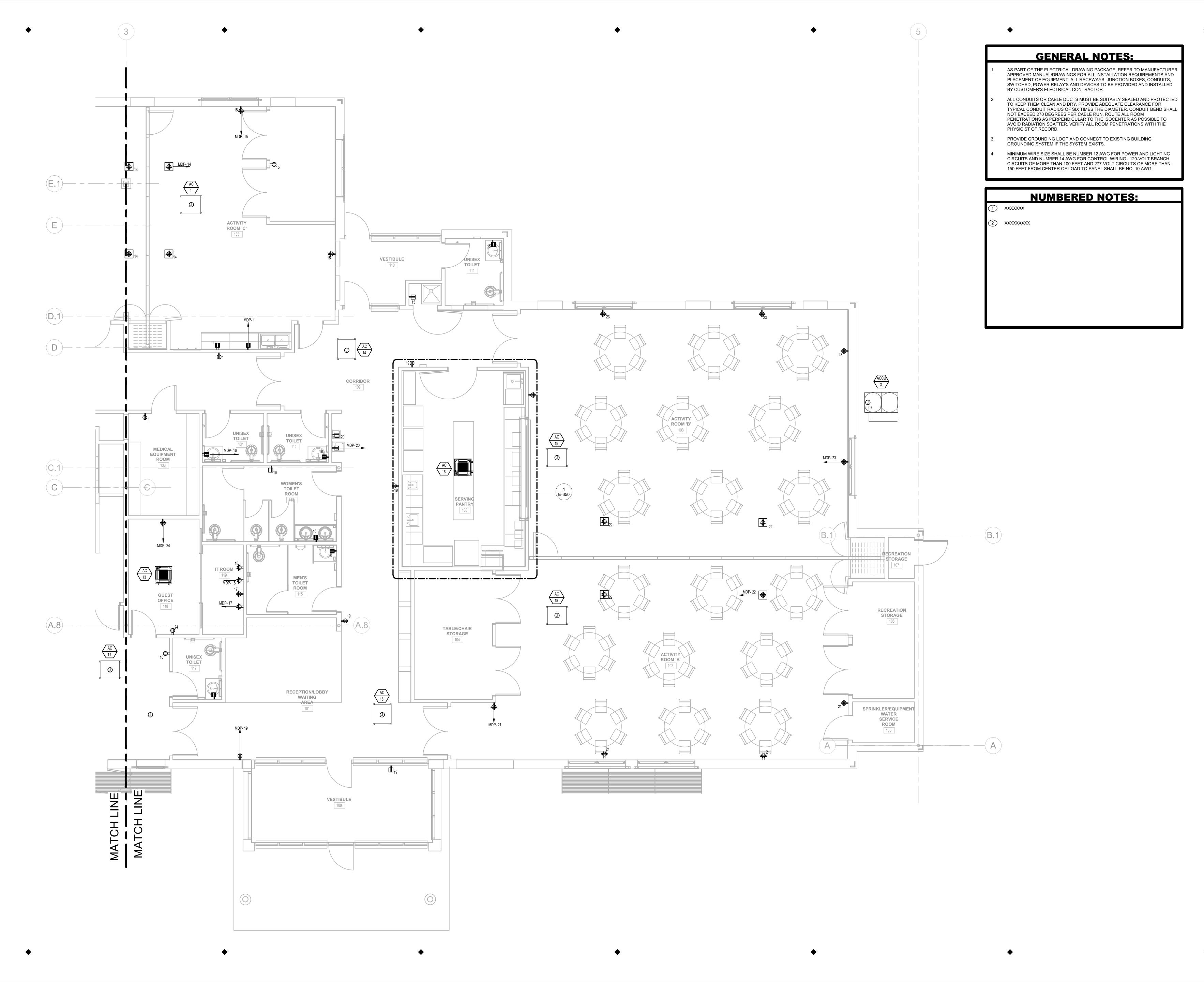


DRAWN BY: CHECKED BY: RDJ 1/4" = 1'-0" PROJECT NO.: 21-125-2125.04

POWER PLAN-LEFT

DRAWING NO.: E-301

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:36 PM



8 ANDREW AVENUE. WAYLAND, MA 01778

TOWN OF WAYLAND

SELECTIVE INTERIOR DEMOLITION



BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: 1 08/31/2022 BID SET 2 10/12/2022 50% CD 3 11/15/2022 90% CD KEY PLAN:

DRAWING TITLE:
ELECTRICAL FIRST FLOOR POWER PLAN-RIGHT

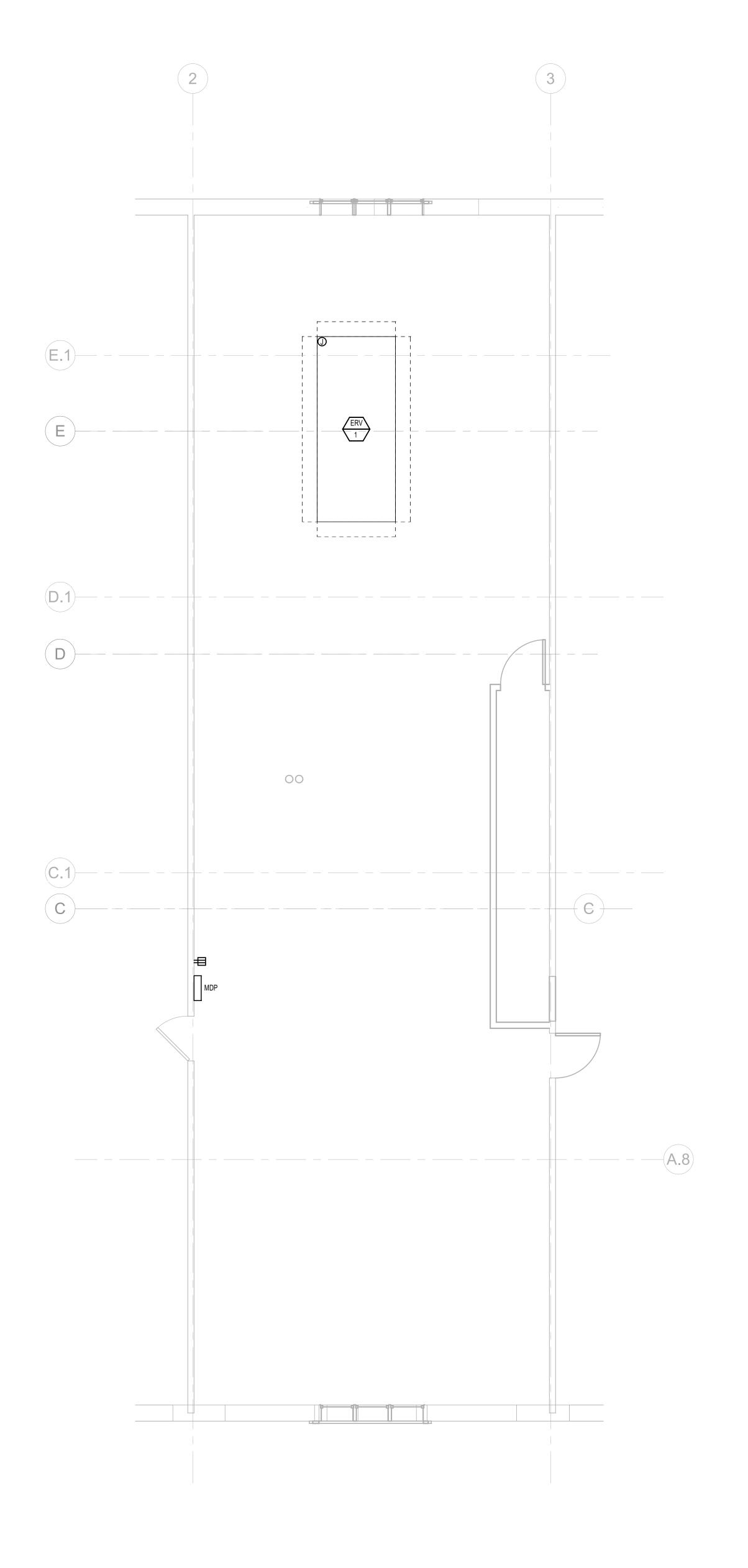
CHECKED BY: RDJ PROJECT NO.: 21-125-2125.04

DRAWN BY:

1/4" = 1'-0"

DRAWING NO.: E-302

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:37 PM



### **GENERAL NOTES:**

- 1. AS PART OF THE ELECTRICAL DRAWING PACKAGE, REFER TO MANUFACTURER APPROVED MANUAL/DRAWINGS FOR ALL INSTALLATION REQUIREMENTS AND PLACEMENT OF EQUIPMENT. ALL RACEWAYS, JUNCTION BOXES, CONDUITS, SWITCHED, POWER RELAY'S AND DEVICES TO BE PROVIDED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
- 2. ALL CONDUITS OR CABLE DUCTS MUST BE SUITABLY SEALED AND PROTECTED TO KEEP THEM CLEAN AND DRY. PROVIDE ADEQUATE CLEARANCE FOR TYPICAL CONDUIT RADIUS OF SIX TIMES THE DIAMETER. CONDUIT BEND SHALL NOT EXCEED 270 DEGREES PER CABLE RUN. ROUTE ALL ROOM PENETRATIONS AS PERPENDICULAR TO THE ISOCENTER AS POSSIBLE TO AVOID RADIATION SCATTER. VERIFY ALL ROOM PENETRATIONS WITH THE PHYSICIST OF RECORD.
  - PROVIDE GROUNDING LOOP AND CONNECT TO EXISTING BUILDING GROUNDING SYSTEM IF THE SYSTEM EXISTS.
  - MINIMUM WIRE SIZE SHALL BE NUMBER 12 AWG FOR POWER AND LIGHTING CIRCUITS AND NUMBER 14 AWG FOR CONTROL WIRING. 120-VOLT BRANCH CIRCUITS OF MORE THAN 100 FEET AND 277-VOLT CIRCUITS OF MORE THAN 150 FEET FROM CENTER OF LOAD TO PANEL SHALL BE NO. 10 AWG.

### **NUMBERED NOTES:**

1 XXXXXXX

② XXXXXXXXX

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

BOSTON

529 MAIN
BOSTON,

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

DRAWING TITLE:
ELECTRICAL MEZZANINE
POWER PLAN

JMH

CHECKED BY:

RDM

SCALE:

1/4" = 1'-0"

PROJECT NO.:

DRAWN BY:

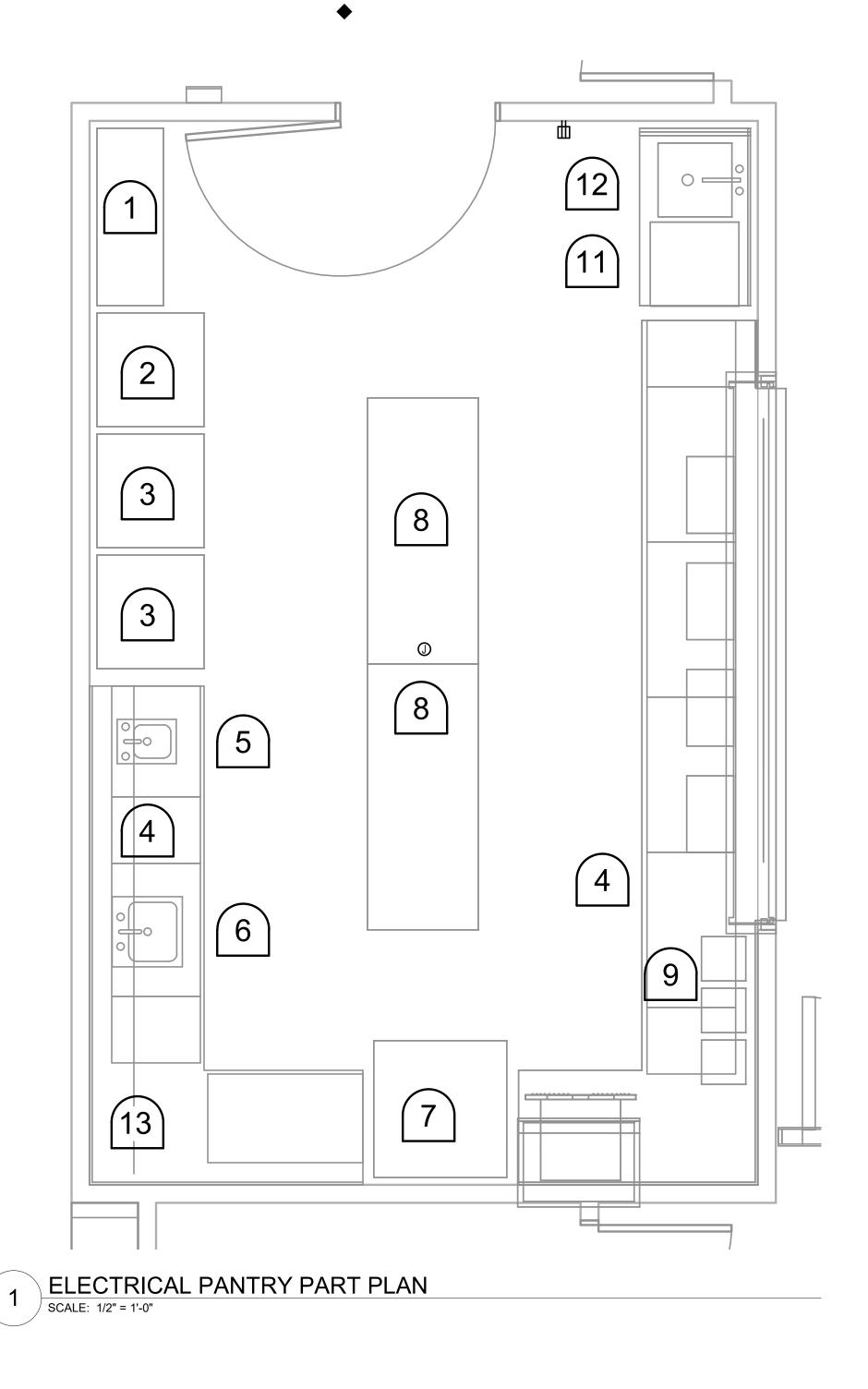
KEY PLAN:

PROJECT NO.:
21-125-2125.04

E-303

DATE & TIME PRINTED: 11/15/2022 3:53:37 PM

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt



### **GENERAL NOTES:**

- AS PART OF THE ELECTRICAL DRAWING PACKAGE, REFER TO MANUFACTURER APPROVED MANUAL/DRAWINGS FOR ALL INSTALLATION REQUIREMENTS AND PLACEMENT OF EQUIPMENT. ALL RACEWAYS, JUNCTION BOXES, CONDUITS, SWITCHED, POWER RELAY'S AND DEVICES TO BE PROVIDED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
- ALL CONDUITS OR CABLE DUCTS MUST BE SUITABLY SEALED AND PROTECTED TO KEEP THEM CLEAN AND DRY. PROVIDE ADEQUATE CLEARANCE FOR TYPICAL CONDUIT RADIUS OF SIX TIMES THE DIAMETER. CONDUIT BEND SHALL NOT EXCEED 270 DEGREES PER CABLE RUN. ROUTE ALL ROOM PENETRATIONS AS PERPENDICULAR TO THE ISOCENTER AS POSSIBLE TO AVOID RADIATION SCATTER. VERIFY ALL ROOM PENETRATIONS WITH THE PHYSICIST OF RECORD.
- PROVIDE GROUNDING LOOP AND CONNECT TO EXISTING BUILDING GROUNDING SYSTEM IF THE SYSTEM EXISTS.
- MINIMUM WIRE SIZE SHALL BE NUMBER 12 AWG FOR POWER AND LIGHTING CIRCUITS AND NUMBER 14 AWG FOR CONTROL WIRING. 120-VOLT BRANCH CIRCUITS OF MORE THAN 100 FEET AND 277-VOLT CIRCUITS OF MORE THAN 150 FEET FROM CENTER OF LOAD TO PANEL SHALL BE NO. 10 AWG.

# **NUMBERED NOTES:** 1 XXXXXXXX 2 XXXXXXXXX

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

199	UE/REVISI	ON:	
NO:	DATE:	DESCRIPTION:	
1	08/31/2022	BID SET	
2	10/12/2022	50% CD	
3	11/15/2022	90% CD	

KEY PLAN:



DRAWING TITLE: **ELECTRICAL PANTRY PART** 

Author CHECKED BY: Checker As indicated PROJECT NO.: 21-125-2125.04

DRAWN BY:

DRAWING NO.:

E-350

1 STORAGE SHELVING NO ELECTRICAL CONNECTION REQUIRED. 120V 1 4/5HP 7A X 5-15P 120V 1 1 REACH-IN FREEZER 20A-1P FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 2#12 & 1#12G,3/4C X 5-15P 120V 1 FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 20A-1P 1 REACH-IN REFRIGERATOR 2#12 & 1#12G,3/4C 1 REACH-IN REFRIGERATOR X 5-15P 120V FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 2#12 & 1#12G,3/4C 4 LOT MILLWORK COUNTERS NO ELECTRICAL CONNECTION REQUIRED. NO ELECTRICAL CONNECTION REQUIRED. 1 HAND SINK, DROP-IN 1 ONE COMPARTMENT SINK, DROP-IN NO ELECTRICAL CONNECTION REQUIRED. 31A 11.2KW FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 1 OVEN, ELECTRIC W/ VENTLESS HOOD 208V 3 208V 3 X 5-15P 120V 1 20A-1P 2#12 & 1#12G,3/4C 1 VENTLESS HOOD FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 120V 2 TABLES NO ELECTRICAL CONNECTION REQUIRED. 9 LOT BEVERAGES FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 10 4 CHAFING DISHES NO ELECTRICAL CONNECTION REQUIRED. 1 UNDERCOUNTER DISHWASHER 2#10 & 1#10G,3/4C FIELD CORDINATE ELECTRICAL CONNECTION AND NEMA TYPE REQUIRED. 30A MOCP PER MANUFACTUER. 208V 1 DISHTABLE W/ PRE-RINSE FAUCET NO ELECTRICAL CONNECTION REQUIRED. 13 1 MICROWAVE OVEN SPARE NUMBER SPARE NUMBER

**EQUIPMENT SCHEDULE** 

FEEDER

BREAKER

VOLT PH PANEL-CIRCUIT

CONNECTIONS

1. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT PLUG CONFIGURATION WITH EQUIPMENT MANUFACTURER.

EQUIPMENT CHARACTERISTICS

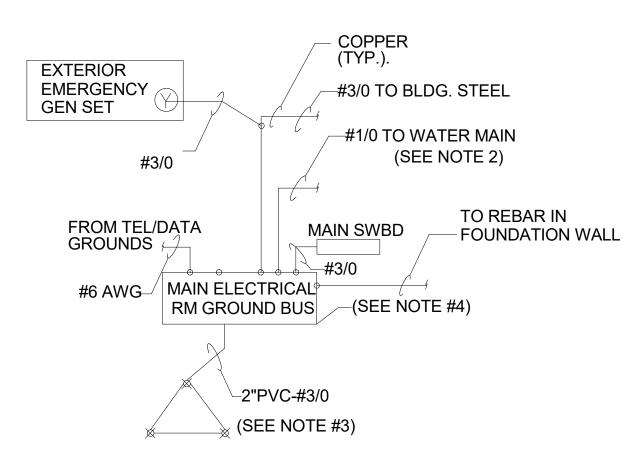
2. ALL WIRING PER MANUFACTUERS RECOMMENDATIONS.

ITEM NO QTY | EQUIPMENT CATEGORY

- 3. COORDINATE ALL REQUIREMNETS WITH FOOD SERVICE EQUIPMENT DRAWINGS AND SPECIFICATIONS.
- 4. COORDINATE ALL EQUIPMENT LOCATIONS WITH ARCHITECT

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior DATE & TIME PRINTED: 11/15/2022 3:53:38 PM

### **GROUNDING DETAIL**



### **GROUNDING NOTES:**

- 1. PROVIDE BUILDING GROUNDING SYSTEM PER SPECIFICATION.
- 2. PROVIDE BOND AROUND WATER METER AND BOND TO FIRE PROTECTION WATER SERVICE.
- 3. GROUNDING COUNTERPOISE SHALL BE THREE 10' LONG 3/4" COPPER RODS AT 10' SPACING.
- 4. GROUND BUSES SHALL BE 12" MINIMUM SIZE TO ACCOMMODATE CONNECTIONS SHOWN.
- 5. ALL GROUND CONDUCTORS SHALL BE IN EMT WITH GROUND BUSHINGS AT TERMINATIONS.

### **GENERAL NOTES:**

1. AS PART OF THE ELECTRICAL DRAWING PACKAGE, REFER TO MANUFACTURER APPROVED MANUAL/DRAWINGS FOR ALL INSTALLATION REQUIREMENTS AND PLACEMENT OF EQUIPMENT. ALL RACEWAYS, JUNCTION BOXES, CONDUITS, SWITCHED, POWER RELAY'S AND DEVICES TO BE PROVIDED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.

ALL CONDUITS OR CABLE DUCTS MUST BE SUITABLY SEALED AND PROTECTED TO KEEP THEM CLEAN AND DRY. PROVIDE ADEQUATE CLEARANCE FOR TYPICAL CONDUIT RADIUS OF SIX TIMES THE DIAMETER. CONDUIT BEND SHALL NOT EXCEED 270 DEGREES PER CABLE RUN. ROUTE ALL ROOM PENETRATIONS AS PERPENDICULAR TO THE ISOCENTER AS POSSIBLE TO AVOID RADIATION SCATTER. VERIFY ALL ROOM PENETRATIONS WITH THE PHYSICIST OF RECORD.

- PROVIDE GROUNDING LOOP AND CONNECT TO EXISTING BUILDING GROUNDING SYSTEM IF THE SYSTEM EXISTS.
- MINIMUM WIRE SIZE SHALL BE NUMBER 12 AWG FOR POWER AND LIGHTING CIRCUITS AND NUMBER 14 AWG FOR CONTROL WIRING. 120-VOLT BRANCH CIRCUITS OF MORE THAN 100 FEET AND 277-VOLT CIRCUITS OF MORE THAN 150 FEET FROM CENTER OF LOAD TO PANEL SHALL BE NO. 10 AWG.
- CONTRACTOR TO COORDINATE WITH UTILITY FOR ALL REQUIREMENTS.
- 6. PRIOR TO PURCHASE AND INSTALLATION E.C. SHALL PERFORM SHORT CIRCUIT, COORDINATION AND ARC FLASH STUDIES. REFER TO SPECIFICATION FOR ADDITIONAL SCOPE OF WORK.

### **NUMBERED NOTES:**

- 1 PROVIDE SERVICE ENTRANCE RATED WEATHERPROOF DISCONNECT.
- 2 COORDINATE WITH UTILITY COMPANY FOR METER AND CT CABINET REQUIREMENTS.
- (3) PORTABLE FUTURE GENERATOR PROVIDED BY OTHERS.
- PANEL MDP TO HAVE SHUNT TRIP MAIN BREAKER. COORDINATE EPO NUMBER AND LOCATION WITH THE FIRE DEPARTMENT.

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LINO

PLANNING
PLANNING

PLANNING

BOSTON,
INTERIOR DESIGN

TEL 617

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

■ PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

DRAWING TITLE:
ELECTRICAL RISER

KEY PLAN:

JMH
CHECKED BY:
RDJ
SCALE:
N.T.S.
PROJECT NO.:
21-125-2125.04

DRAWN BY:

21-125-2125.04 DRAWING NO.:

E-400

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:38 PM

### SINGLE PHASE CIRCUIT SCHEDULE

	COPPER CONDUCTORS ABOVE GR	ROUND (SEE NO	TES)						
CIRCUIT SYMBOL	CONDUCTORS	SIZE CONDUIT	CIRCUIT OR OVERCURRENT RATING						
1P	1#12,1#12N.&1#12G.	1/2"	15A.,1P.						
1T	2#12&1#12G.	1/2"	15A.,2P.						
1N	2#12,1#12N.&1#12G.	1/2"	15A.,2P						
2P	1#12,1#12N.&1#12G.	1/2"	20A.,1P						
(2T)	2#12&1#12G.	20A.,2P.							
(2N)	2#12,1#12N.&1#12G.	1/2"	20A.,2P.						
3P)	1#10,1#10N.&1#10G.	1/2"	30A.,1P.						
(3T)	2#10&1#10G.	1/2"	30A.,2P.						
(3N)	2#10,1#10N.&1#10G.	1/2"	30A.,2P						
4P)	1#8,1#8N.&1#10G.	3/4"	40A.,1P.						
(4T)	2#8&1#10G.	3/4"	40A.,2P.						
(4N)	2#8,1#8N.&1#10G.	3/4"	40A.,2P						
	1#6,1#6N.&1#10G.	3/4"	50A.,1P.						
(5T)	2#6&1#10G.	3/4"	50A.,2P.						
(5N)	2#6,1#6N.&1#10G.	3/4"	50A.,2P						
(6P)	1#6,1#6N.&1#10G.	3/4"	60A.,1P.						
(6T)	2#6&1#10G.	3/4"	60A.,2P.						
(6N)	2#6,1#6N.&1#10G.	3/4"	60A.,2P						
(7P)	1#4,1#4N.&1#8G.	1"	70A.,1P.						
(7T)	2#4&1#8G.	1"	70A.,2P.						
(7N)	2#4,1#4N.&1#8G.	1"	70A.,2P						
(8P)	1#3,1#3N.&1#8G.	1 1/4"	80A.,1P.						
(8T)	2#3&1#8G.	1 1/4"	80A.,2P.						
(8N)	2#3,1#3N.&1#8G.	1 1/4"	80A.,2P						

### NOTE

UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED ABOVE FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CIRCUIT WHERE INDICATED.

PROVIDE MINIMUM SIZE CONDUIT INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.

MINIMUM SIZE CONDUIT UNDERGROUND IS ONE STANDARD ELECTRICAL SIZE LARGER THAN INDICATED IN THE SCHEDULE. PROVIDE LARGER CONDUIT WHERE SPECIFICALLY INDICATED OTHERWISE.

PROVIDE TYPE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATION OR ON DRAWINGS.

### THREE PHASE CIRCUIT SCHEDULE

OUDOLUIT	CONDUCTORS		BOVE GROUND (SEE NOTES)  CONDUCTORS	0.75	CIRCUIT OR					
CIRCUIT SYMBOL	IN EACH CONDUIT 3 PHASE, 3 WIRE & GROUND	SIZE CONDUIT	IN EACH CONDUIT 3 PHASE, 4 WIRE & GROUND	SIZE CONDUIT	OVERCURRENT RATING 3POLE					
1	3#12&1#12G.	3/4"	4#12&1#12G.	3/4"	15A.					
2	3#12&1#12G.	3/4"	4#12&1#12G.	3/4"	20A.					
2/5	3#10&1#10G.	3/4"	4#10&1#10G.	3/4"	25A.					
3	3#10&1#10G.	3/4"	4#10&1#10G.	3/4"	30A.					
3/5	3#8&1#10G.	3/4"	4#8&1#10G.	3/4"	35A.					
4	3#8&1#10G.	3/4"	4#8&1#10G.	3/4"	40A.					
4/5	3#6&1#10G.	3/4"	4#6&1#10G.	1"	45A.					
5	3#6&1#10G.	3/4"	4#6&1#10G.	1"	50A.					
6	3#6&1#10G.	3/4"	4#6&1#10G.	1"	60A.					
7	3#4&1#8G.	1"	4#4&1#8G.	1 1/4"	70A.					
8	3#3&1#8G.	1 1/4"	4#3&1#8G.	1 1/4"	80A.					
9	3#3&1#8G.	1 1/4"	4#3&1#8G.	1 1/4"	90A.					
(10)	3#1&1#6G.	1 1/2"	4#1&1#6G.	1 1/2"	100A.					
(11)	3#1&1#6G.	1 1/2"	4#1&1#6G.	1 1/2"	110A.					
12	3#1&1#6G.	1 1/2"	4#1&1#6G.	1 1/2"	125A.					
(15)	3#1/0&1#6G.	1 1/2"	4#1/0&1#6G.	2"	150A.					
(17)	3#2/0&1#6G.	1 1/2"	4#2/0&1#6G.	2"	175A.					
20	3#3/0&1#6G.	2"	4#3/0&1#6G.	2"	200A.					
(22)	3#4/0&1#4G.	2 1/2"	4#4/0&1#4G.	2 1/2"	225A.					
25)	3#250KCMIL&1#4G.	2 1/2"	4#250KCMIL&1#4G.	3"	250A.					
(30)	3#350KCMIL&1#4G.	3"	4#350KCMIL&1#4G.	3"	300A.					
(35)	3#500KCMIL&1#3G.	4"	4#500KCMIL&1#3G.	4"	350A.					
(40)	3#500KCMIL&1#3G.	4"	4#500KCMIL&1#3G.	4"	400A.					
45)	3#4/0&1#2G.	(2)3"	4#4/0&1#2G.	(2)3"	450A.					
(50)	3#250KCMIL&1#2G.	(2)3"	4#250KCMIL&1#2G.	(2)3"	500A.					
(60)	3#350KCMIL&1#1G.	(2)3"	4#350KCMIL&1#1G.	(2)3"	600A.					
70	3#500KCMIL&1#1/0G.	(2)3 1/2"	4#500KCMIL&1#1/0G.	(2)4"	700A.					
(80)	3#600KCMIL&1#1/0G.	(2)3 1/2"	4#600KCMIL&1#1/0G.	(2)4"	800A.					
90)	3#350KCMIL&1#2/0G.	(3)3"	4#350KCMIL&1#2/0G.	(3)3"	900A.					
(100)	3#500KCMIL&1#2/0G.	(3)3 1/2"	4#500KCMIL&1#2/0G.	(3)3 1/2"	1000A.					
(120)	3#600KCMIL&1#3/0G.	(3)4"	4#600KCMIL&1#3/0G.	(3)4"	1200A.					
(160)	3#600KCMIL&1#4/0G.	(4)4"	4#600KCMIL&1#4/0G.	(4)4"	1600A.					
200	3#600KCMIL&1#250KCMIL G.	(5)4"	4#600KCMIL&1#250KCMIL G.	(5)4"	2000A.					
(250)	3#600KCMIL&1#350KCMIL G.	(6)4"	4#600KCMIL&1#350KCMIL G.	(6)4"	2500A.					
(300)	3#500KCMIL&1#500KCMIL G.	(8)3"	4#500KCMIL&1#500KCMIL G.	(8)4"	3000A.					
(320)	3#600KCMIL&1#500KCMIL G.	(8)4"	(8)4"	3200A.						
(400)	3#600KCMII &1#500KCMII G	3#600KCMIL&1#500KCMIL G. (10)4" 4#600KCMIL&1#500KCMIL G. (10)4"								

### NOTES:

UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED ABOVE FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CIRCUIT WHERE INDICATED.

PROVIDE MINIMUM SIZE CONDUIT INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS.

PROVIDE 4 WIRE CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL CONNECTION.
MINIMUM SIZE CONDUIT UNDERGROUND IS ONE STANDARD ELECTRICAL SIZE LARGER THAN INDICATED IN THE
SCHEDULE. PROVIDE LARGER CONDUIT WHERE SPECIFICALLY INDICATED OTHERWISE.

PROVIDE TYPE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATIONS OR ON THE DRAWINGS.

THIS SCHEDULE DOES NOT INCLUDE CONDUCTOR INCREASE IN SIZE DUE TO VOLTAGE DROPS, CONTRACTOR IS RESPONSIBLE TO MEASURE OR ESTIMATE THE ROUTINGS PRIOR TO ANY INSTALLATION AND MEET THE MAXIMUM VOLTAGE DROP PERCENTAGE ALLOWED BY THE CODE. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE INCREASED PROPORTIONALLY TO THE UNGROUNDED CONDUCTORS IN SIZE TO SATISFY THE NEC REQUIREMENTS.

PANE	AGE: 208Y/120 V SES, 4 WIRES, 60 HERTZ MING FEEDER LOCATION: L MOUNTING: L LOCATION:	Surface	)				MDP		A.I.C. Rating: 65KAIC  MAINS TYPE: MCB  MAINS RATING: 800 A  MCB RATING:										
СКТ	Circuit Description	C/B	POLE	A	В	С	A	В	С	POLE	C/B	Circuit Description	•						
1	Receptacles RM 133, CORR	20 A	1	720 VA			1080 VA			1	20 A	Receptacles RM 137	+						
3	Receptacles RM 136 137	20 A	1		1440 VA			540 VA		1	20 A	Receptacles RM 137 GFI							
	Receptacles RM 136 GFI	20 A	1			360 VA			1260 VA	1	20 A	Receptacles CORR 123							
	Receptacles RM 129	20 A	1	180 VA			1080 VA			1	20 A	Receptacles RM 122 125	_						
	Receptacles RM 126	20 A	1		720 VA	7001/4		1080 VA	4000 \ 40	1	20 A	Receptacles RM 124 126							
	Receptacles RM 120	20 A	1	700 \ / 4		720 VA	4000 \ / 4		1620 VA	1	20 A	Receptacles RM 116 132	_						
	Receptacles RM 121 122	20 A 20 A	1	720 VA	900 VA		1260 VA	1260 VA		1		Receptacles RM 135 136	_						
	Receptacles RM 135 110 111 Receptacles IT RM	20 A	1		900 VA	360 VA		1200 VA	360 VA	1	20 A 20 A	Receptacles BATH RMS Receptacles IT RM	_						
	Receptacles CORR 109	20 A	1	900 VA		300 VA	360 VA		300 VA	1	20 A	Receptacles GFI WATER	+						
	Receptacles RM 102	20 A	1	300 VA	720 VA		000 17	1440 VA		1	20 A	Receptacles RM 102 103	-						
	Receptacles RM 103	20 A	1		. 25 7/1	720 VA			360 VA	1	20 A	Receptacles RM 118	+						
	AC1,AC2,AC3,AC4	15 A	2	1398 VA			133 VA			2		AC5,AC6,AC7,AC8,AC9,AC10	-						
					1398 VA			133 VA					_						
29	AC11,AC12,AC13,AC14,AC15	15 A	2			1092 VA			729 VA	2	15 A	AC18,AC19	_						
31				1092 VA			729 VA												
33	ACCU1A	45 A	3		2976 VA			2976 VA		3	45 A	ACCU1B							
35						2976 VA			2976 VA										
37	<del></del>			2976 VA			2976 VA												
	ACCU2	60 A	3		3936 VA			2976 VA		3	45 A	ACCU3							
	<del></del>					3936 VA			2976 VA				_						
	 			3936 VA			2976 VA						_						
	ERV1	60 A	3		5003 VA	5000 \ / A		720 VA	404374	1	20 A	Lighting Activity Room C, D, E	_						
	<b></b>			E002 \/A		5003 VA	464 \/A		484 VA	1	20 A	Lighting Storage, Volunteer	_						
49	Lighting Wolcome Booding	20.4		5003 VA	898 VA		461 VA	750 VA		1		Lighting Corridor(128&123),	_						
	Lighting Welcome, Reading, Lighting Activity B, Serving	20 A 20 A	1		090 VA	752 VA		750 VA	555 VA	1	20 A	Lighting Activity A, Storage, Lighting Lobby, Corridor 109,	_						
	Lighting Guest Office, Medical	20 A	1	393 VA		102 VA	233 VA		333 VA	2	20 A	BCC1,BCCC2	-						
57			•	000 111			200 171	233 VA					_						
59													_						
61																			
63																			
65																			
67																			
69																			
71													_						
73													_						
75													_						
77 79													_						
81													-						
83													_						
						TOTAL I	PHASE A: PHASE B: PHASE C:	3009	6 VA 8 VA 9 VA										
nad í	Classification			onnected	l oad   r	Demand Fa	ector Fe	timated De	emand			Panel Totals	_						
ightin				5011 VA		100.00%		5011 V				i unoi iotuio	_						
ower	•			60771 V		100.00%		60771 V		Total Conn. Load: 85942 VA									
	tacles			20160 V		74.80%		15080 V				al Est. Demand: 80862 VA	_						
~P										Total	Total	Conn. Current: 239 A emand Current: 224 A	_						
													_						
-													_						
_													_						

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



RCHITECTURE BOSTON

PLANNING
INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

DRAWING TITLE:
ELECTRICAL SCHEDULES

DRAWN BY:

JMH

CHECKED BY:

RDM

SCALE:

1/2" = 1'-0"

PROJECT NO.:

21-125-2125.04

KEY PLAN:

DRAWING NO.:

DATE & TIME PRINTED: 11/15/2022 3:53:39 PM

E-500

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

### SCHEDULE OF MECHANICAL EQUIPMENT

			T													<u> </u>											1							
											ELEC1			ININIECT		OT 4	RTER				FIRE		ELI	ECTRICAL SER'	RVIC	E/CO	NNE	CTIC	ONS					
												NNECT	В			E	3Y:		OWER TY		ALARM	<u> </u>												
TAG NAME	EQUIPMENT	LOCATION	VOLT	PH	HZ	HP	FLA	KVA/KW	MOCP	MCA	NOT FUSED	FUSED	DIV. 23	DIV. 26	STARTER TYPE	DIV. 23	DIV. 26	EM POWEF	STDBY POWEF	NM POWER	DUCT SMOKE	PANEL CIRCUI	T CIRCUIT BREAKER	FEEDER	\$	T \$ <sub>D</sub>		1	NECTI			⊗D P	GFI,WF	REMARKS
AC \	VRF INDOOR UNIT	ACTIVITY C	208V	1	60	-	-	-	15A	4.38A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-25,27	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 2	VRF INDOOR UNIT	ACTIVITY D	208V	1	60	-	-	-	15A	4.38A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-25,27	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 3	VRF INDOOR UNIT	ACTIVITY E	208V	1	60	-	-	-	15A	4.38A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-25,27	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 4	VRF INDOOR UNIT	READING	208V	1	60	-	-	-	15A	2.94A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-25,27	15A-2P	1T	١	N N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 5	VRF INDOOR UNIT	VOL. COORD.	208V	1	60	-	-	-	15A	0.24A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-26,28	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 1 AC 3 AC AC AC 10 AC 11 AC 12 AC 13 AC 14 AC 15 AC 16 AC 17 AC 16 AC 17 AC 16 AC 17 AC 18 AC 19	VRF INDOOR UNIT	CONF. 1	208V	1	60	-	-	-	15A	0.24A	N	Y	N	Y	-	N	N	N	N	Y	N	MDP-26,28	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 7	VRF INDOOR UNIT	PROJECT COORD.	208V	1	60	-	-	-	15A	0.24A	N	Y	N	Υ	-	N	N	N	N	Y	N	MDP-26,28	15A-2P	1T	١	N N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 8	VRF INDOOR UNIT	OUTREACH	208V	1	60	-	-	-	15A	0.24A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-26,28	15A-2P	1T	١	N N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 9	VRF INDOOR UNIT	COA DIRECTOR	208V	1	60	-	-	-	15A	0.28A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-26,28	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC \ 10	VRF INDOOR UNIT	BUSINESS OFFICE	208V	1	60	-	-	-	15A	0.28A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-26,28	15A-2P	1T	١	1 N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC \	VRF INDOOR UNIT	COA WELCOME	208V	1	60	-	-	-	15A	2.94A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-29,31	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC \ 12	VRF INDOOR UNIT	CONF. 2	208V	1	60	-	-	-	15A	1.75A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-29,31	15A-2P	1T	١	1 N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC \	VRF INDOOR UNIT	GUEST OFFICE	208V	1	60	-	-	-	15A	.24A	N	Y	N	Υ	-	N	N	N	N	Y	N	MDP-29,31	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 14	VRF INDOOR UNIT	VEST. 1/ COORIDOR	208V	1	60	-	-	-	15A	1.75A	N	Y	N	Y	-	N	N	N	N	Y	N	MDP-29,31	15A-2P	1T	N	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC \ 15	VRF INDOOR UNIT	VEST. 2/ LOBBY	208V	1	60	-	-	-	15A	2.94A	N	Y	N	Y	-	N	N	N	N	Y	N	MDP-29,31	15A-2P	1T	N	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC 16	VRF INDOOR UNIT	KITCHEN	208V	1	60	-	-	-	15A	0.5A	N	Υ	N	Y	-	N	N	N	N	Y	N	MDP-29,31	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC \ 17	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.   -	-	-	-	-	-	-	-	
AC \ 18	VRF INDOOR UNIT	ACTIVITY A	208V	1	60	-	-	-	15A	4.38A	N	Υ	N	Υ	-	N	N	N	N	Υ	N	MDP-30,32	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
AC \ 19 /	VRF INDOOR UNIT	ACTIVITY B	208V	1	60	-	-	-	15A	4.38A	N	Y	N	Υ	-	N	N	N	N	Y	N	MDP-30,32	15A-2P	1T	١	I N	N	N	Υ	N	Υ	N	N	REFER TO DETAIL D1 ON DRAWING E600
ACCU 1	VRF OUTDOOR UNIT MODULE 1	OUTSIDE	208V	3	60	-	-	-	45A	31A	N	Y	N	Y	-	N	N	N	N	Y	N	MDP-33,35,37	45A-3P	4/5	١	I N	N	N	Υ	N	Υ	N	N	
	MODULE 2	OUTSIDE	208V	3	60	-	-	-	45A	31A	N	Y	N	Y	-	N	N	N	N	Y	N	MDP-34,36,38	45A-3P	4/5	١	I N	N	N	Υ	N	Υ	N	N	
ACCU 2	VRF OUTDOOR UNIT	OUTSIDE	208V	3	60	-	-	-	60A	41A	N	Y	N	Y	-	N	N	N	N	Y	N	MDP-39,41,43	60A-3P	6	١	I N	N	N	Υ	N	Υ	N	N	
ACCU ACCU 3	VRF OUTDOOR UNIT	OUTSIDE	208V	3	60	-	-	-	45A	31A	N	Y	N	Y	-	N	N	N	N	Y	N	MDP-40,42,44	45A-3P	4/5	N	I N	N	N	Υ	N	Υ	N	N	
BCC 1	BRANCH CIRCUIT CONTROLLER	ACTIVITY E	208V	1	60	-	-	-	20A	1A	N	Υ	N	Υ	-	N	N	N	N	Υ	N	MDP-56,58	20A-2P	2T	١	I N	N	N	Υ	N	Υ	N	N	
BCC 2	BRANCH CIRCUIT CONTROLLER BRANCH CIRCUIT CONTROLLER	READING	208V	1	60	-	-	-	20A	1.8A	N	Y	N	Υ	-	N	N	N	N	Υ	N	MDP-56,58	20A-2P	2Т	١	I N	N	N	Υ	N	Υ	N	N	
ERV 1	ENERGY RECOVERY VENTILATOR	MEZZ.	208V	3	60	-	41.69	-	60A	52.11A	N	Υ	N	Υ	VFD	Y	N	N	N	Υ	Υ	MDP-45,47,49	60A-3P	6	١	I N	N	Υ	Υ	N	Υ	Υ	N	
			-		-	-	-	-	-	-					_		-		-		-	-	-	-										

- 1. DUCT SMOKE DETECTORS SHALL BE PROVIDED FOR ALL MECHANICAL UNITS PER NFPA-90A, PROVIDE REMOTE TEST STATION WITH EACH DETECTOR. LOCATION OF TEST STATION SHALL BE ACCESSIBLE, COORDINATE WITH ARCHITECT.
- PROVIDE FLEXIBLE CONNECTION TO EQUIPMENT, REFER TO SPECIFICATIONS.
- 3. FOR SINGLE MOTOR LOADS, REFER TO MOTOR BRANCH CIRCUIT SCHEDULES FOR CIRCUIT INFORMATION. FOR SINGLE POINT MIXED LOADS OR NON-MOTOR LOADS REFER TO CIRCUIT SIZE SCHEDULE FOR CIRCUIT INFORMATION.
  - CONTROLLERS AND DISCONNECT DEVICES SHALL BE NRTL RATED FOR USE WITH A DESIGN E MOTOR, WITH A HORSE POWER RATING NOT LESS THAN 1.4 TIMES THE MOTOR HORSE POWER. (REFER TO ELECTRIC CODE ARTICLE 430)
- TWO SPEED MOTORS SHALL HAVE TWO MOTOR BRANCH CIRCUITS AND SIX POLE DISCONNECTS.
- 6. WHERE INDICATED PROVIDE WEATHERPROOF DUPLEX RECEPTACLES AT MECHANICAL EQUIPMENT. PROVIDE 3/4"C. WITH 3#12AWG TO NEAREST PANEL AND CONNECT TO 20A.,1P. RECEPTACLE, UNLESS OTHERWISE INDICATED.
- BUILDING MANAGEMENT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH DIVISION 23 AND 26 DRAWINGS AND SPECIFICATIONS FOR A COMPLETE AND OPERABLE SYSTEM.
- REFER TO DIVISION 23 AND 26 SPECIFICATIONS FOR DETAILED INFORMATION REGARDING VFD REQUIREMENTS AND ACCESSORIES.
- REFER TO DIVISION 23 AND 26 DRAWINGS FOR QUANTITY, LOCATION AND CONFIGURATION OF DISCONNECTS AND STARTERS.

### GENERAL LEGEND

MOCP - MAXIMUM OVERCURRENT CIRCUIT PROTECTION WSA/MCA - WIRE SIZING AMPS/MINIMUM CIRCUIT AMPS

STARTER TYPE LEGEND FVNR - FULL VOLTAGE NON-REVERSING SSRV - SOLID STATE REDUCED VOLTAGE VFD - VARIABLE FREQUENCY DRIVE

### TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100 FAX. 617.723.9113

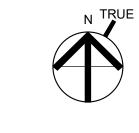
PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: 08/31/2022 BID SET 2 10/12/2022 50% CD 3 11/15/2022 90% CD

**KEY PLAN:** 

\_\_\_\_



DRAWING TITLE: ELECTRICAL MECHANICAL **SCHEDULE** 

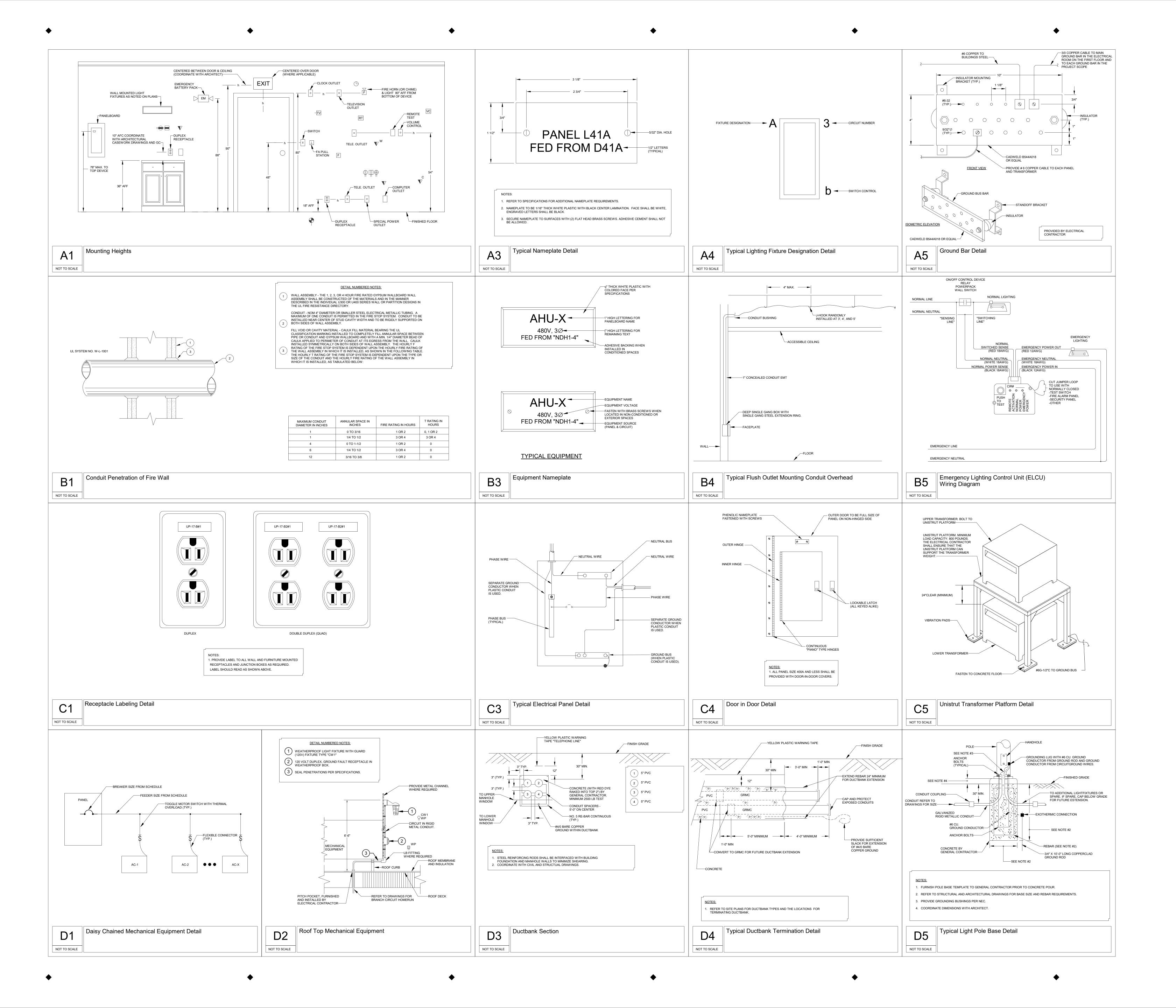
DRAWN BY: Author CHECKED BY: Checker

12" = 1'-0"

PROJECT NO.: 21-125-2125.04 DRAWING NO.:

E-510

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:40 PM



TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



CHITECTURE BOSTON
529 MAII

INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

DRAWING TITLE:
ELECTRICAL DETAILS SHEET 1

DRAWN BY:

JC

CHECKED BY:

RDM

SCALE:

1/4" = 1'-0"

PROJECT NO.:

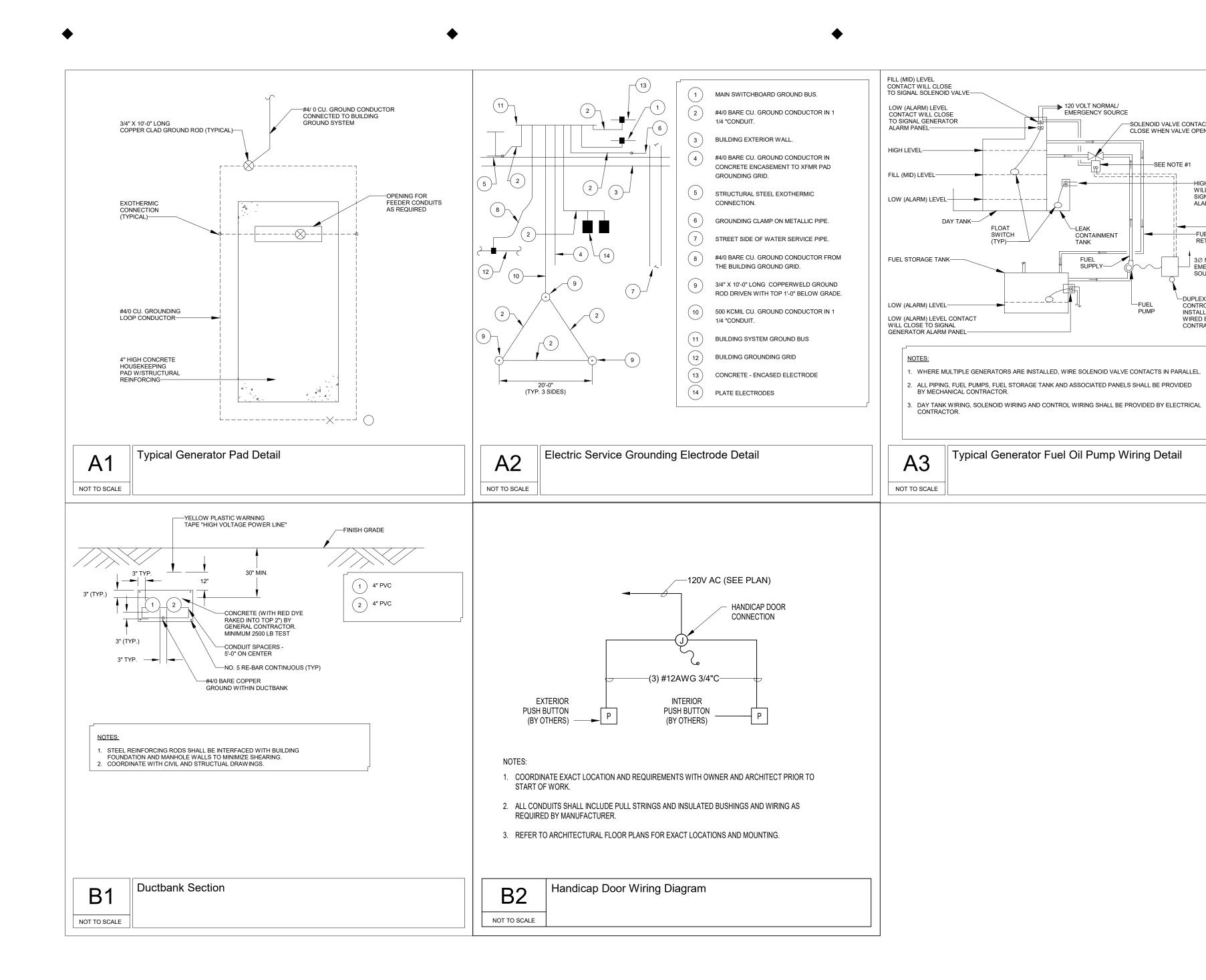
21-125-2125.04

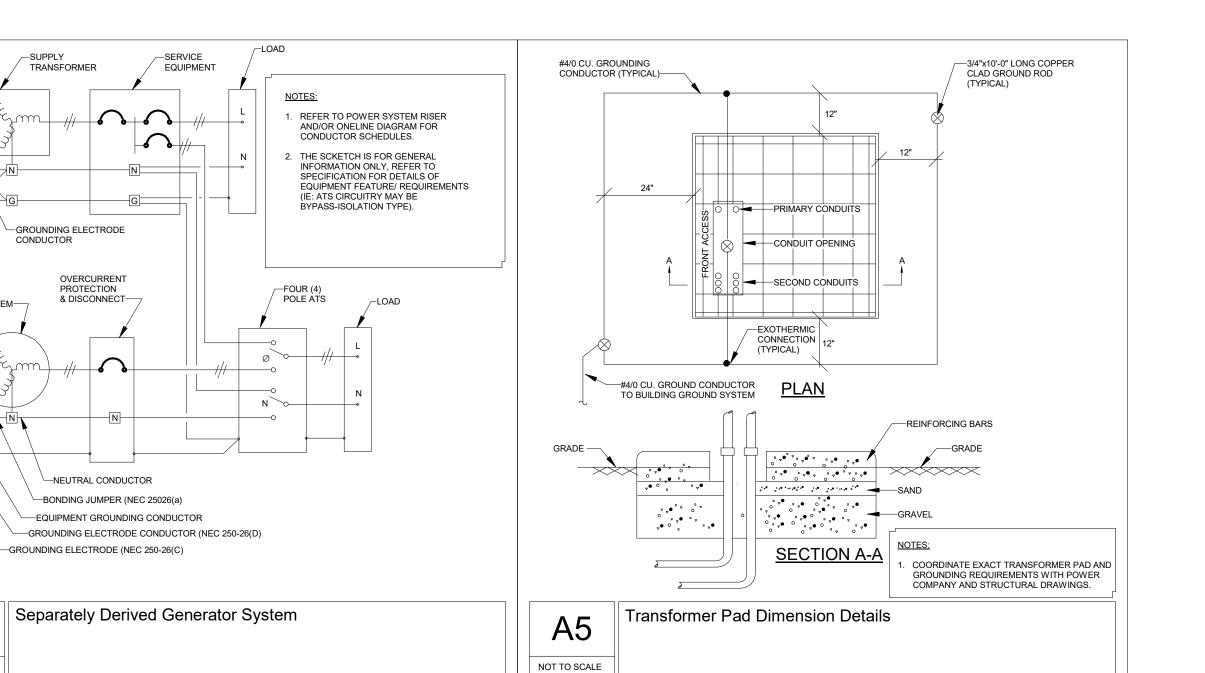
DRAWING NO.:

E-600

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:44 PM





SOLENOID VALVE CONTACTS CLOSE WHEN VALVE OPENS

HIGH LEVEL (ALARM)
WILL CLOSE TO
SIGNAL GENERATOR
ALARM PANEL

FUEL ELECTRICAL
RETURN CONTRACTOR

3Ø NORMAL/ EMERGENCY SOURCE

-DUPLEX FUEL PUMP

WIRED BY ELECTRICAL

CONTROL PANEL
INSTALLED AND

CONTRACTOR

JUMPER---

SEPARATELY DERIVED FIXED GENERATOR SYSTEM—

NOT TO SCALE

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



INTERIOR DESIGN

BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: 08/31/2022 BID SET 2 10/12/2022 50% CD 3 11/15/2022 90% CD \_\_\_\_ \_\_\_\_

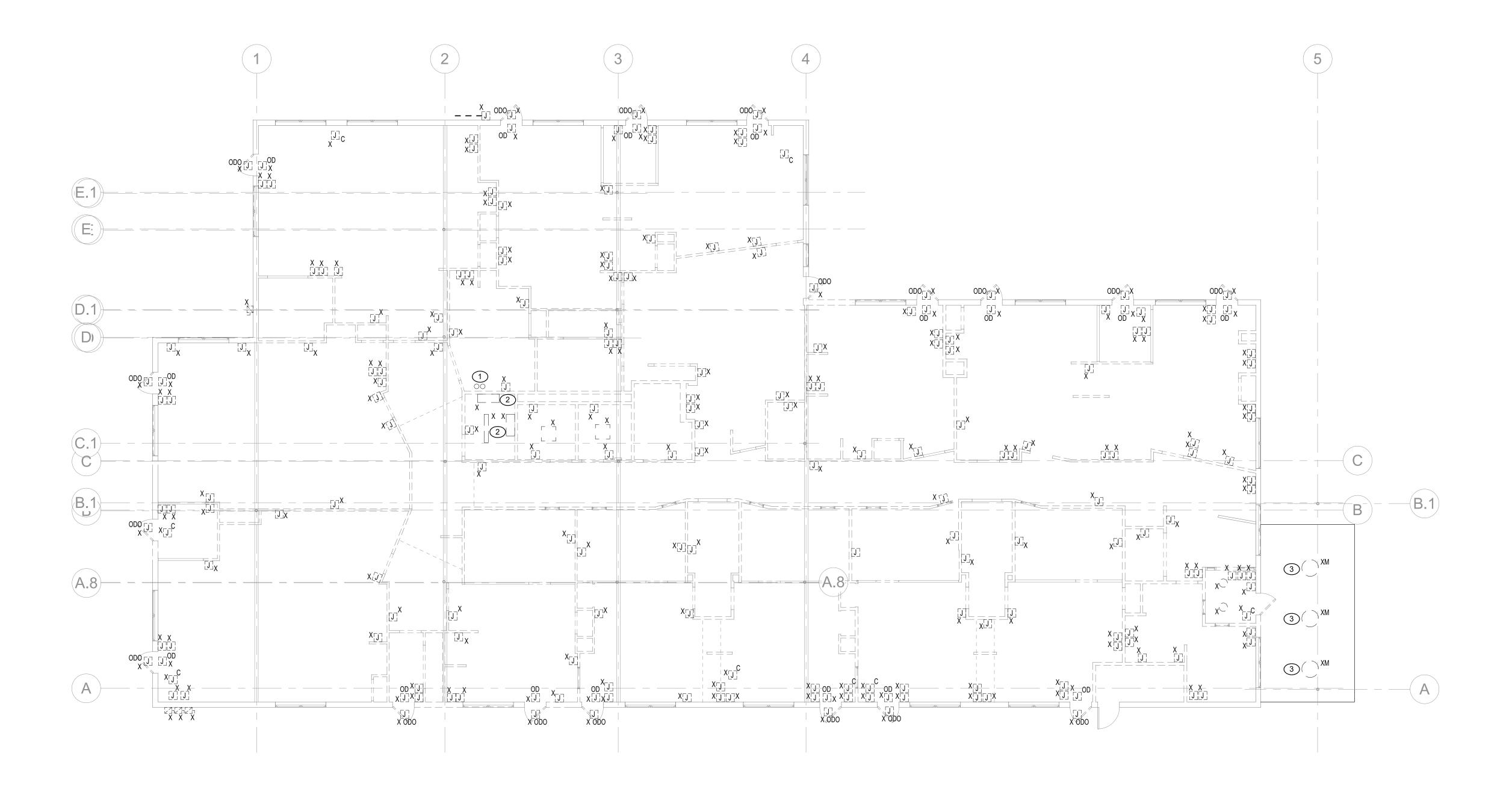
DRAWING TITLE: ELECTRICAL DETAILS SHEET 2

DRAWN BY: JMH CHECKED BY: RDM As indicated PROJECT NO.: 21-125-2125.04

KEY PLAN:

DRAWING NO.: E-610

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:46 PM



### **DEMOLITION GENERAL NOTES**

THE DEMOLITION PLANS INDICATE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL COMPONENTS AND ITEMS TO BE REMOVED OR RETAINED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF THEIR BID TO BECOME FAMILIAR WITH THE ACTUAL WORKING CONDITIONS AND EXTENT OF WORK. DEVICES AND EQUIPMENT LOCATED ON WALLS AND/OR CEILINGS DESIGNATED TO BE REMOVED SHALL BE DISCONNECTED AND MADE SAFE. THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND ARCHITECT OF ANY UNANTICIPATED OR HIDDEN CONDITIONS ENCOUNTERED DURING DEMOLITION.

- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL SYSTEMS OR BUILDING COMPONENTS DAMAGED DURING EXECUTION OF THE WORK. DAMAGE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE DESTRUCTION OR DISPOSAL OF ITEMS INTENDED TO REMAIN OR BE SALVAGED.
- THE CONTRACTOR SHALL CIRCUIT TRACE AND LABEL ALL EXISTING BRANCH CIRCUITS AND FEEDERS WITHIN OR ASSOCIATED WITH THE DEMOLITION SCOPE PRIOR TO DE-ENERGIZING AND DISCONNECTION. ALL CIRCUITS WITHIN PANELBOARDS, LOADCENTERS, MOTOR CONTROL CENTERS, AND SWITCHBOARDS IDENTIFIED FOR REMOVAL SHALL BE TRACED AND FIELD LABELED TO ENSURE THAT NO AREA OUTSIDE THE DEMOLITION SCOPE LIMIT IS AFFECTED.
- IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, THE ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADES WORK IN THAT AREA.
- THE ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL BRANCH CIRCUITS, FEEDERS AND SYSTEM COMPONENTS WHICH ARE TO REMAIN WITHIN THE AREA OF DEMOLITION SCOPE. THERE SHALL BE NO INTERRUPTION OF OF SERVICE TO ANY AREA OUTSIDE THE SCOPE LIMITS WITHOUT WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE. EXISTING EQUIPMENT TO REMAIN SHALL BE LEFT IN A CODE
- IN ALL EXISTING OR NEW AREAS SPECIFIED OR SHOWN TO BE PAINTED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL ITEMS AS REQUIRED, INCLUDING BUT NOT LIMITED TO, LIGHTING FIXTURES, DEVICE PLATES, DEVICES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORING THE REMOVED DEVICES IN A SAFE AND SECURE PLACE. THE ELECTRICAL CONTRACTOR SHALL REINSTALL THE SAME DEVICES AFTER COMPLETION OF PAINTING. ANY ITEM NOT REMOVED AND PAINTED OVER SHALL BE SUITABLY CLEANED OR REPLACED WITH A NEW ITEM BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL DE-ENERGIZE AND REMOVE ALL CONDUCTORS AND RACEWAYS WITHIN THE AREA OF DEMOLITION SCOPE TO THEIR POINT OF ORIGIN, OR NEXT DEVICE. ITEMS IDENTIFIED FOR DEMOLITION SHALL NOT BE ABANDONED IN PLACE. RACEWAYS THAT ENTER MASONRY WALLS AND FLOORS SHALL BE CUT FLUSH AT THE SURFACE FOR PATCHING BY OTHERS. ALL CIRCUIT BREAKERS ASSOCIATED WITH THE DEMOLITION SHALL BE DE-ENERGIZED AND RE-LABELLED AS "SPARE". NEW TYPED UPDATED CIRCUIT DIRECTORIES SHALL ALSO BE PROVIDED. CIRCUIT BREAKER SHALL BE SWITCHED IN OFF POSITION. THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES FROM EXISTING WALL AND CEILING BEING REMOVED AND MODIFIED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING THESE DEVICES SHALL BE REMOVED.
- THE ELECTRICAL CONTRACTOR SHALL TEMPORARILY SUPPORT ALL ITEMS TO REMAIN THAT ARE AFFECTED BY THE DEMOLITION OF BUILDING STRUCTURAL COMPNENTS (WALLS, CEILINGS, PARTITIONS, ETC.). CONTRACTOR SHALL TEMPORARILY SUPPORT ITEMS AND SHALL PROVIDE PERMANENT SUPPORTS WHEN FINALIZED STRUCTURES ARE IN PLACE.
- ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF UNLESS IDENTIFIED FOR REUSE. THE OWNER SHALL INSPECT ALL RETAINED ITEMS PRIOR TO PLACEMENT IN THE IDENTIFIED STORAGE LOCATION BY THE ELECTRICAL CONTRACTOR.
- THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FULLY FUNCTIONAL DURING THE ENTIRE DEMOLITION AND CONSTRUCTION PERIOD. REUSE OF EXISTING FIRE ALARM RACEWAYS SHALL NOT BE ALLOWED. ALL REQUIRED SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND THE AUTHORITY HAVING JURISDICTION. DEMOLITION OF THE EXISITING SYSTEM SHALL NOT COMMENCE UNTIL THE NEW SYSTEM HAS BEEN COMPLETELY INSTALLED, TESTED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL DEMOLITION SCOPE ASSOCIATED WITH LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO TELEPHONE, DATA, SECURITY, PAGING, CCTV, ETC. SHALL BE INCLUDED IN THIS CONTRACT.
- REMOVED FLUORESCENT AND HID LAMPS AND BATTERIES SHALL BE RECYCLED BY A FACILITY APPROVED ALL DISPOSALS AND RETURNED WITH ALL APPLICABLE SIGN OFFS PRIOR TO APPLICATION FOR FINAL
- ALL EQUIPMENT SHOWN LIGHT IN DASHED LINES AND DESIGNATED "ERM" IS BEING REMOVED. ALL EQUIPMENT SHOWN IN LIGHT SOLID LINES AND DESIGNATED AS "ETR" IS EXISTING TO REMAIN.
- REMOVE ALL ABANDONED DEVICES COVERED WITH BLANK COVER PLATES, REMOVE ABANDONED WIRING BACK TO SOURCE.
- ALL LIGHT FIXTURES THAT ARE EXISTING TO REMAIN OR EXISTING TO BE RELOCATED SHALL BE CLEANED AND REPAIRED AS NECESSARY. REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, RE-LAMPING AND RE-BALLASTING DAMAGED FLOURESCENT FIXTURES, PROVIDING NEW DRIVERS OR LED BOARDS FOR DAMAGED LED FIXTURES, REPLACEMENT OF DAMAGED LENS OR OTHER MATERIAL DEFECTS.

## **DEMOLITION SCOPE NOTES**

THE DEMOLITION INTENT IS A COMPLETE DEMOLITION OF ALL ELECTRICAL WIRING, BOXES, LIGHTING, TEMPOARY LIGHTING AND EQUIPMENT WITH IN THE STRUCTURE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY AND ENSURE POWER IS OFF AND BUILDING IS SAFE FOR

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A BID ALLOWANCE OF 1,000 FEET OF WIRE TO BE REMOVED FROM CEILING.
- EXTERIOR LIGHTS SHOWN AS EXISTING TO REMAIN SHALL HAVE THIER WIRING DEMOLISHED LEAVING ONLY THIER HOUSING IN PLACE.

## **KEYED NOTES**

- 1 EXISTING INCOMMING UTILTY CONDUITS TO REMAIN.
- 2 EXISTING ELECTRICAL PANELS TO BE DEMOLISHED.
- 3 EXISTING LIGHTING HOUSING TO REMAIN, WIRING TO BE DEMOLISHED.

## TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

## SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

BOSTON 529 MAIN STREET, SUITE 3303

BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113 PORTLAND

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: 08/31/2022 BID SET 10/12/2022 50% CD 3 11/15/2022 90% CD \_\_\_\_ -\_\_\_\_ \_\_\_\_

DRAWING TITLE: **ELECTRICAL DEMOLITION -**FIRST FLOOR

RDJ CHECKED BY: RDM 1/8" = 1'-0"

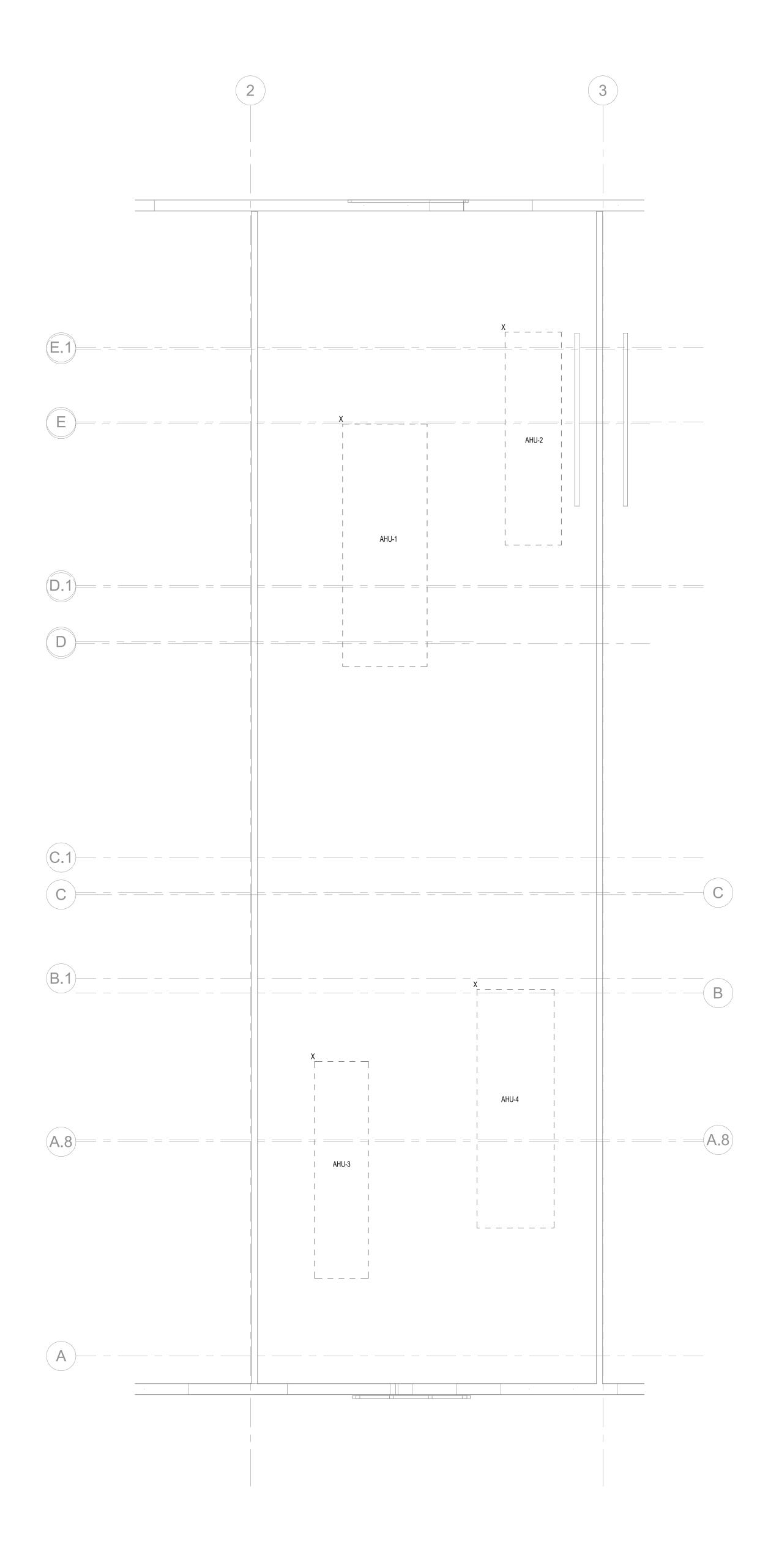
DRAWN BY:

KEY PLAN:

PROJECT NO.: 21-125-2125.04

DRAWING NO.: ED-100

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior DATE & TIME PRINTED: 11/15/2022 3:53:48 PM



### **DEMOLITION GENERAL NOTES**

- THE DEMOLITION PLANS INDICATE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL COMPONENTS AND ITEMS TO BE REMOVED OR RETAINED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF THEIR BID TO BECOME FAMILIAR WITH THE ACTUAL WORKING CONDITIONS AND EXTENT OF WORK. DEVICES AND EQUIPMENT LOCATED ON WALLS AND/OR CEILINGS DESIGNATED TO BE REMOVED SHALL BE DISCONNECTED AND MADE SAFE. THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND ARCHITECT OF ANY UNANTICIPATED OR HIDDEN CONDITIONS ENCOUNTERED DURING DEMOLITION.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL SYSTEMS OR BUILDING COMPONENTS DAMAGED DURING EXECUTION OF THE WORK. DAMAGE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE DESTRUCTION OR DISPOSAL OF ITEMS INTENDED TO REMAIN OR BE SALVAGED.
- THE CONTRACTOR SHALL CIRCUIT TRACE AND LABEL ALL EXISTING BRANCH CIRCUITS AND FEEDERS WITHIN OR ASSOCIATED WITH THE DEMOLITION SCOPE PRIOR TO DE-ENERGIZING AND DISCONNECTION. ALL CIRCUITS WITHIN PANELBOARDS, LOADCENTERS, MOTOR CONTROL CENTERS, AND SWITCHBOARDS IDENTIFIED FOR REMOVAL SHALL BE TRACED AND FIELD LABELED TO ENSURE THAT NO AREA OUTSIDE THE DEMOLITION SCOPE LIMIT IS AFFECTED.
- IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, THE ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADES WORK IN THAT AREA.
- THE ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL BRANCH CIRCUITS, FEEDERS AND SYSTEM COMPONENTS WHICH ARE TO REMAIN WITHIN THE AREA OF DEMOLITION SCOPE. THERE SHALL BE NO INTERRUPTION OF OF SERVICE TO ANY AREA OUTSIDE THE SCOPE LIMITS WITHOUT WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE. EXISTING EQUIPMENT TO REMAIN SHALL BE LEFT IN A CODE COMPLIANT CONDITION.
- IN ALL EXISTING OR NEW AREAS SPECIFIED OR SHOWN TO BE PAINTED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL ITEMS AS REQUIRED, INCLUDING BUT NOT LIMITED TO, LIGHTING FIXTURES, DEVICE PLATES, DEVICES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORING THE REMOVED DEVICES IN A SAFE AND SECURE PLACE. THE ELECTRICAL CONTRACTOR SHALL REINSTALL THE SAME DEVICES AFTER COMPLETION OF PAINTING. ANY ITEM NOT REMOVED AND PAINTED OVER SHALL BE SUITABLY CLEANED OR REPLACED WITH A NEW ITEM BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL DE-ENERGIZE AND REMOVE ALL CONDUCTORS AND RACEWAYS WITHIN THE AREA OF DEMOLITION SCOPE TO THEIR POINT OF ORIGIN, OR NEXT DEVICE. ITEMS IDENTIFIED FOR DEMOLITION SHALL NOT BE ABANDONED IN PLACE. RACEWAYS THAT ENTER MASONRY WALLS AND FLOORS SHALL BE CUT FLUSH AT THE SURFACE FOR PATCHING BY OTHERS. ALL CIRCUIT BREAKERS ASSOCIATED WITH THE DEMOLITION SHALL BE DE-ENERGIZED AND RE-LABELLED AS "SPARE". NEW TYPED UPDATED CIRCUIT DIRECTORIES SHALL ALSO BE PROVIDED. CIRCUIT BREAKER SHALL BE SWITCHED IN OFF POSITION. THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES FROM EXISTING WALL AND CEILING BEING REMOVED AND MODIFIED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING THESE DEVICES SHALL BE REMOVED.
- THE ELECTRICAL CONTRACTOR SHALL TEMPORARILY SUPPORT ALL ITEMS TO REMAIN THAT ARE AFFECTED BY THE DEMOLITION OF BUILDING STRUCTURAL COMPNENTS (WALLS, CEILINGS, PARTITIONS, ETC.). CONTRACTOR SHALL TEMPORARILY SUPPORT ITEMS AND SHALL PROVIDE PERMANENT SUPPORTS WHEN FINALIZED STRUCTURES ARE IN PLACE.
- ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF UNLESS IDENTIFIED FOR REUSE. THE OWNER SHALL INSPECT ALL RETAINED ITEMS PRIOR TO PLACEMENT IN THE IDENTIFIED STORAGE LOCATION BY THE ELECTRICAL CONTRACTOR.
- THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FULLY FUNCTIONAL DURING THE ENTIRE DEMOLITION AND CONSTRUCTION PERIOD. REUSE OF EXISTING FIRE ALARM RACEWAYS SHALL NOT BE ALLOWED. ALL REQUIRED SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND THE AUTHORITY HAVING JURISDICTION. DEMOLITION OF THE EXISITING SYSTEM SHALL NOT COMMENCE UNTIL THE NEW SYSTEM HAS BEEN COMPLETELY INSTALLED, TESTED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL DEMOLITION SCOPE ASSOCIATED WITH LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO TELEPHONE, DATA, SECURITY, PAGING, CCTV, ETC. SHALL BE INCLUDED IN THIS CONTRACT.
- REMOVED FLUORESCENT AND HID LAMPS AND BATTERIES SHALL BE RECYCLED BY A FACILITY APPROVED BY THE OWNER'S REPRESENTATIVE. A UNIFORM HAZARDOUS WASTE MANIFEST SHALL BE PREPARED FOR ALL DISPOSALS AND RETURNED WITH ALL APPLICABLE SIGN OFFS PRIOR TO APPLICATION FOR FINAL
- ALL EQUIPMENT SHOWN LIGHT IN DASHED LINES AND DESIGNATED "ERM" IS BEING REMOVED. ALL EQUIPMENT SHOWN IN LIGHT SOLID LINES AND DESIGNATED AS "ETR" IS EXISTING TO REMAIN.
- REMOVE ALL ABANDONED DEVICES COVERED WITH BLANK COVER PLATES, REMOVE ABANDONED WIRING BACK TO SOURCE.
- ALL LIGHT FIXTURES THAT ARE EXISTING TO REMAIN OR EXISTING TO BE RELOCATED SHALL BE CLEANED AND REPAIRED AS NECESSARY. REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, RE-LAMPING AND RE-BALLASTING DAMAGED FLOURESCENT FIXTURES, PROVIDING NEW DRIVERS OR LED BOARDS FOR DAMAGED LED FIXTURES, REPLACEMENT OF DAMAGED LENS OR OTHER MATERIAL DEFECTS.

## **DEMOLITION SCOPE NOTES**

- THE DEMOLITION INTENT IS A COMPLETE DEMOLITION OF ALL ELECTRICAL WIRING, BOXES, LIGHTING, TEMPOARY LIGHTING AND EQUIPMENT WITH IN THE STRUCTURE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY AND ENSURE POWER IS OFF AND BUILDING IS SAFE FOR
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A BID ALLOWANCE OF 1,000 FEET OF WIRE TO BE REMOVED FROM CEILING.
- EXTERIOR LIGHTS SHOWN AS EXISTING TO REMAIN SHALL HAVE THIER WIRING DEMOLISHED LEAVING ONLY THIER HOUSING IN PLACE.

8 ANDREW AVENUE. WAYLAND, MA 01778

## SELECTIVE INTERIOR DEMOLITION

TOWN OF WAYLAND



A LiRo Group Company

BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100

> FAX. 617.723.9113 PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103

> > TEL. 207.582.2400

FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:

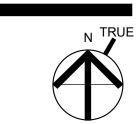
NO: DATE: DESCRIPTION: 08/31/2022 BID SET 10/12/2022 50% CD 3 11/15/2022 90% CD \_\_\_\_ \_\_\_\_ \_\_\_\_

KEY PLAN:

\_\_\_\_

\_\_\_\_

\_\_\_\_



DRAWING TITLE: **ELECTRICAL DEMOLITION -**MEZZANINE

DRAWN BY: RDJ CHECKED BY: RDM As indicated

PROJECT NO.:

21-125-2125.04 DRAWING NO.:

ED-101

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:48 PM

## **Regulations Governing Fire Protection Systems That Will Be** Connected to the Town of Wayland **Municipal Fire Alarm System**

- 1. All owners, architects, contractors, and sub-contractors contemplating work which comes within the scope of these regulations shall familiarize themselves with the requirements set forth and should feel free to consult with the Chief of the
- As required by Massachusetts General Law Chapter 148, Section 27A, before commencing the work, the owner, contractor, or sub-contractor shall make an application to the fire department, on a prescribed form furnished by the Town, to have the necessary connections made to the municipal fire alarm system.
- Three complete sets of plans that clearly indicate all fire alarm devices, including but not limited to smoke, heat, duct detectors, sprinkler devices, pull stations, audible and visual sounding devices, and CO detectors, shall be provided to the fire department for approval. The fire department will review, approve, and stamp the plans. One set shall remain with the fire department, and two sets will be returned (one for the building department and one for the installer).
- All permit and plan review fees must be paid prior to a permit being issued. All fees must be paid by check payable to the Town of Wayland. (Please call for current fee schedule.)
- All fire alarm panels shall be of a fully addressable type. Each device must have a distinct address, and the address must be clearly labeled on the device. All duct detector indicator and reset switches will be located with the fire alarm control panel unless approved by the Wayland Fire Department. All switches, indicators, and roof top units will be clearly labeled.
- All such fire protection systems shall be inspected and approved by the Chief of the fire department or his authorized representative before connection is made to the wireless fire alarm system. In addition, upon completion of the work the installer shall turn over to the fire department complete instructions, schematic and installation diagrams, and all other data pertaining to the installation, operation, and servicing of the particular system(s).
- All systems, once connected to the municipal fire alarm system, shall be maintained to fire department standards. Any system, which through the lack of maintenance or for any other cause, results in needless alarms to the fire department or interferes with the proper operation of the municipal fire alarm system may be disconnected from the municipal system by the Chief of the fire department and may not be reconnected until permission is received from the Chief of the fire
- Interior alarm systems, heat or smoke actuated fire detection systems, sprinkler water flow alarms, and other similar fire protection and detection systems shall be installed in compliance with the latest revisions of the National Fire Protection Association 72 and the National Electrical Safety Code where applicable.
- Sprinkler systems shall be installed in compliance with the latest revisions of the National Fire Protection Association 13.
- All equipment and components of any fire protection or detection system shall bear an Underwriters Laboratory or Factory Mutual "APPROVED" or "INSPECTED" label.
- 11. The master fire alarm box shall be a sixteen zone Radio Fire Alarm Box manufactured by Sig Com. The local distributor is L.W. Bills, 800-892-0275.
- 12. The Wireless Master Box will be installed in the following manner:
- Following manufacturers' requirements, NFPA 72, NFPA 1221.
- The location of the box shall be approved by the fire department. Boxes shall be located in the same room as the
- c. The fire alarm control panel shall be connected to the radio box with stranded wire. The connection shall be made in such a way that when a zone is activated, only the corresponding zone in the radio box will be activated.
- Radio box zone assignments will be made by the Wayland Fire Department. The radio box number shall be assigned by the Wayland Fire Department.
- Radio boxes will be set to test daily at a time assigned by the Wayland Fire Department. Radio boxes shall be programmed for a 30 second delay in transmitting a trouble condition. Radio boxes shall be programmed with door-open tamper switch active.
- Radio boxes shall be mounted between a height of four (4) and six (6) feet from the finished floor surface. There shall be no obstructions to the box.
- 13. The antenna for radio alarm boxes shall be installed in the following manner:
- Following manufacturers' requirements, NFPA 72, NFPA 1221.
- The location of the antenna shall be approved by the fire department. Any antenna cable run shall meet or exceed RG213.
- A rigid aluminum or galvanized steel conduit shall protect the antenna cable continuously to the radio box enclosure. Two 6" loops shall be left inside the junction box.
- e. A service box weather head is required at the antenna end.
- Inspections and final installation of wireless box must be scheduled. At a minimum, the following people need to be onsite for testing of the systems and to obtain final approval and sign off from the Wayland Fire Department.
- Fire alarm installer
- Fire alarm panel programmer Sprinkler contractor
- Elevator contractor Wayland Fire Department representative
- Optional: building department official, a representative from the wireless box distributor
- 15. The expense of the wireless fire alarm box, including all necessary parts, relays, cabling, etc., shall be the responsibility of the owner of the property to be protected.
- 16. Once the wireless fire alarm box is in service, the following rules apply:
- Anytime there is to be work performed on the auxiliary system, the Wayland Fire Department shall be notified at 508-358-7951 before the work commences.
- b. Under no circumstances shall anyone other than an authorized authority of the Wayland Fire Department open or in any way tamper with the inner workings of the master fire alarm box.
- c. Although it cannot be required by this department, the Wayland Fire Department strongly recommends that a complete and regular testing program be established for any auxiliary fire protection or detection systems that are installed under our jurisdiction. Further information on this subject may be obtained by contacting the Chief of the

### FIRE ALARM GENERAL NOTES

- FIRE ALARM DESIGN IS A DELEGATED-DESIGN SUBMITTAL WITH PERFORMANCE REQUIREMENTS SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. THESE DRAWINGS ARE INTENDED TO AID IN BIDDING ONLY. MEET WITH THE FIRE DEPARTMENT TO REVIEW THE DESIGN. PRESENT DRAWINGS, NARRATIVES, EQUIPMENT DATA SHEETS AND SHOP DRAWINGS TO THE FIRE DEPARTMENT FOR REVIEW. OBTAIN ADDITIONAL REQUIREMENTS BY THE FIRE DEPARTMENT. DOCUMENT THE MEETING AND SUBMIT MEETING MINUTES TO THE ENGINEER.
- DEVICE LAYOUT DRAWINGS INDICATE APPROXIMATE LOCATION OF DEVICES, ACTUAL LOCATION SHALL BE INSTALLED CENTER OF CEILING TILE AND CENTER OF RESPECTIVE ROOM TAKING INTO CONSIDERATION FIELD CONDITIONS (LIGHTS, DUCTWORK, ETC.)
- SUPPORT WIRE FOR CEILING MAY NOT BE USED TO SUPPORT ANY ELECTRICAL CONDUIT OR WIRE. FOR EMT AND FLEXIBLE ALUMINUM METALLIC CONDUIT, ONLY THROATED INSULATOR CONNECTOR SHALL BE USED.
- ALL FLEXIBLE CONDUIT USED WITHIN 12" OF A SPRINKLER RISER SHALL BE INSTALLED IN LIQUID TIGHT FLEXIBLE CONDUIT WITH STEEL COMPRESSION FITTINGS.
- FIRE CONTROL PANELS, POWER SUPPLIES AND MODULE ENCLOSURES SHALL BE MOUNTED DIRECTLY TO STUDS USING THE APPROPRIATE SIZED METAL SCREWS IN A MINIMUM OF TWO PLACES. AT LEAST TWO OTHER FASTENERS FOR A TOTAL OF FOUR SHALL BE USED SUCH AS DRYWALL ANCHORS OR TOGGLE BOLTS. SHOULD ADDITIONAL MOUNTING HOLES BE DRILLED, ALL FOUR CORNERS ARE TO BE ANCHORED AT A MINIMUM.
- ALL J-BOX COVERS USED IN FIRE ALARM AND FIRE SUPPRESSION SYSTEM AND CONTROLS SHALL BE
- WHEN CUTTING A DEVICE INTO A WALL AFTER DRYWALL IS INSTALLED, FLEXIBLE METAL CONDUIT WITH AN INSULATED SHALL BE USED.
- NO MORE THAN TWO WIRES SHALL BE TERMINATED ON ANY SCREW TYPE TERMINATION LUG. T-TAPPING OF SUPERVISED CIRCUITS WHICH EMPLOY AN END OF LINE RESISTOR IS SPECIFICALLY EXCLUDED.
- ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE MADE USING CONDUIT SLEEVE AND SHALL BE FIRE CAULKED USING UL APPROVED FIRE BARRIER CAULK LISTED FOR THE APPLICATION.
- FIRE ALARM VENDOR MUST ADHERE TO ALL LOCAL CODES AND AUTHORITIES HAVING JURISDICTION. THE ENTIRE SYSTEM MUST BE DESIGNED IN ACCORDANCE WITH THESE AUTHORITIES HAVING
- ALL CABLES AND WIRING MUST BE PLENUM RETURN RATED CABLES.
- FIRE ALARM VENDOR MUST PRODUCE A SEPARATE FIXED PRICE TO PERFORM THE SCOPE OF WORK CONTAINED ON THESE DRAWINGS IN CONNECTION WITH THE FIRE ALARM SYSTEM. THESE DRAWINGS ARE PROVIDED FOR BID PURPOSES ONLY AND TO ILLUSTRATE THE SCOPE OF WORK INTENT OF THIS PROJECT. PRIOR TO SUBMISSION OF THE FIRE ALARM SYSTEM BID, THE FIRE ALARM VENDOR IS RESPONSIBLE TO REVIEW ALL DRAWINGS. UPON SUBMISSION OF THE FIRE ALARM BID, THE FIRE ALARM VENDOR CERTIFIES THAT ALL DRAWINGS HAVE BEEN REVIEWED, THE SITE HAS BEEN VISITED/INSPECTED, AND THAT ALL LOCAL BUILDING CODE REQUIRED ITEMS ARE FULLY UNDERSTOOD INCLUDED IN THE BID PRICE.
- FIRE ALARM VENDOR MUST SUBMIT TO THE ENGINEER & OWNER FINAL SIGNED AND SEALED (BY LICENSED P.E. REGISTERED IN PROJECT STATE) DESIGN /BUILD DRAWINGS INCLUDING: FIRE ALARM RISER DIAGRAM, LAYOUT, EQUIPMENT LIST, & SPECIFICATIONS PRIOR TO START OF INSTALLATION. THE COST OF ENGINEERING FEE, PROGRAMMING CHARGE, NEW EQUIPMENT, CONNECTION & TESTING, TROUBLE SHOOTING OF SYSTEM, ATTENDANCE AT THE FIRE ALARM INSPECTION, ETC. ARE TO BE PART OF THE TOTAL PRICE. INSTALLATION OF THE NEW FIRE ALARM SYSTEM CAN BEGIN UPON WRITTEN APPROVAL FROM THE ENGINEER.

### FIRE ALARM SYSTEM SYMBOLS DESCRIPTION

FIRE ALARM COMBINATION HORN/ADA APPROVED

STROBE LIGHT SIGNAL UNIT - WALL MOUNTED

	E	(75CD UNLESS NOTES OTHERWISE)	
	ĬĘ.	FIRE ALARM COMBINATION HORN/ADA APPROVED STROBE LIGHT SIGNAL UNIT - CEILING MOUNTED (75CD UNLESS NOTES OTHERWISE)	
	E	FIRE ALARM SYSTEM DUAL ACTION MANUAL PULL STATION	
	Ę	FIRE ALARM SYSTEM ADA APPROVED STROBE LIGHT SIGNAL UNIT (75CD UNLESS NOTED OTHERWISE)	
		DUCT SMOKE DETECTOR	
	<u> </u>	SMOKE DETECTOR ABOVE CEILING	
	© <sub>A</sub>	SMOKE DETECTOR	
	SP	SPEAKER STROBE	
	135° F	FIRE ALARM SYSTEM COMBINATION 135°F FIXED TEMPERATURE / RATE OF RISE HEAT DETECTOR. "F" INDICATED 190°F FIXED TEMPERATURE	
	<b>@</b>	FIRE ALARM SYSTEM BELL	
	FS	SPRINKLER SYSTEM WATER FLOW SWITCH	
	TS	SPRINKLER SYSTEM WATER TAMPER SWITCH	
	DH	MAGNETIC DOOR HOLDER/CLOSER	
	FACP	FIRE ALARM CONTROL PANEL	
	[FAA]	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR PANEL	
	FSR	FAN SHUT DOWN RELAY	
	R	RELAY	
	RTS	REMOTE TEST SWITCH	
	M	MONITOR MODULE	
	[ISO]	ISOLATION MODULE	
	[IAM]	INDIVIDUAL ADDRESSABLE MODULE	
		END OF THE LINE RESISTOR	
	K	FIRE ALARM KEY BOX	
	<u></u>	PRESSURE, TEMP, HUMIDITY SENSOR	
	Ē	FIRE ALARM MASTER BOX	
AUDIO AND VISUAL ALARM DEVICES SHALL BE MOUNTED 80" ABOVE			

AUDIO AND VISUAL ALARM DEVICES SHALL BE MOUNTED 80" ABOVE NOTE: THIS SYMBOL LEGEND IS SHOWN FOR GENERAL REFERENCE ONLY. THE PRESENCE OF A SYMBOL ON

THIS LEGEND DOES NOT IMPLY ITS USE ON THIS PROJECT. REFER TO DRAWINGS FOR SPECIFIC SYMBOLS

### ADDDELLIATIONS

4	ABBREVIATIONS:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ARCH	ARCHITECT
BFG	BOTTOM FINISHED GRADE
BLDG	BUILDING
BOS	BOTTOM OF STEEL
DN	DOWN
DWG	DRAWING
(E)	EXISTING TO REMAIN
E.C.	ELECTRICAL CONTRACTOR
EM	EMERGENCY
(ER)	EXISTING IN NEW LOCATION
ETR	EXISTING TO REMAIN
FBO	FURNISHED BY OWNER
F.A.C.	FIRE ALARM CONTRACTOR
F.S.C.	FIRE SPRINKLER CONTRACTOR
FT	FEET
FWE	FURNISHED WITH EQUIPMENT
G.C.	GENERAL CONTRACTOR
JC	JANITOR'S CLOSET
M.C.	MECHANICAL CONTRACTOR
MISC	MISCELLANEOUS
(N)	NEW
NTS	NOT TO SCALE
PNL	PANEL
QTY	QUANTITY
(R)	EXISTING TO BE DICONNECTED AND REMOVED
(RL)	EXISTING TO BE DISCONNECTED AND RELOCATED
(RP)	EXISTING TO BE REPLACED

TOS TOP OF STEEL

U.O.N. UNLESS OTHERWISE NOTED

THE ABBREVIATIONS ARE SHOWN FOR GENERAL REFERENCE ONLY. THE

PROJECT. REFER TO DRAWINGS FOR SPECIFIC ABBREVIATIONS USED.

PRESENCE OF AN ABBREVIATION ON THIS LIST DOES NOT IMPLY ITS USE ON THIS

GENERAL SYMBOLS			
<u>IDENTIFIER</u>	<u>DESCRIPTION</u>		
	— TO BE DEMOLISHED		
NIC	— AREA NOT IN CONTRACT		
•	FIELD CONNECT		
	FIELD DISCONNECT		
(XXX)	— EQUIPMENT TAG — EQUIPMENT NUMBER		
(XXX) X-XXX	— DETAIL TAG/CALL OUT TAG — FIRE PROTECTION SHEET NUMBER		

$\bigotimes$	KEYED NOTE
SC	OPE OF WORK:
	or E or Worth.
1. NEW FIRE ALARM SYSTEM	
	TION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF
	DNSIBLE TO REVIEW <u>ALL</u> ENGINEERING AND ARCHITECTURAL DED, PRIOR TO SUBMISSION OF BID. REFER TO SPECIFICATIONS FOR
	CTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

### TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100 FAX. 617.723.9113

> PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: 08/31/2022 BID SET 10/12/2022 50% CD 3 11/15/2022 90% CD \_\_\_\_

KEY PLAN:

FIRE ALARM LEGEND AND DRAWN BY:

> RDM N.T.S. PROJECT NO.: 21-125-2125.04

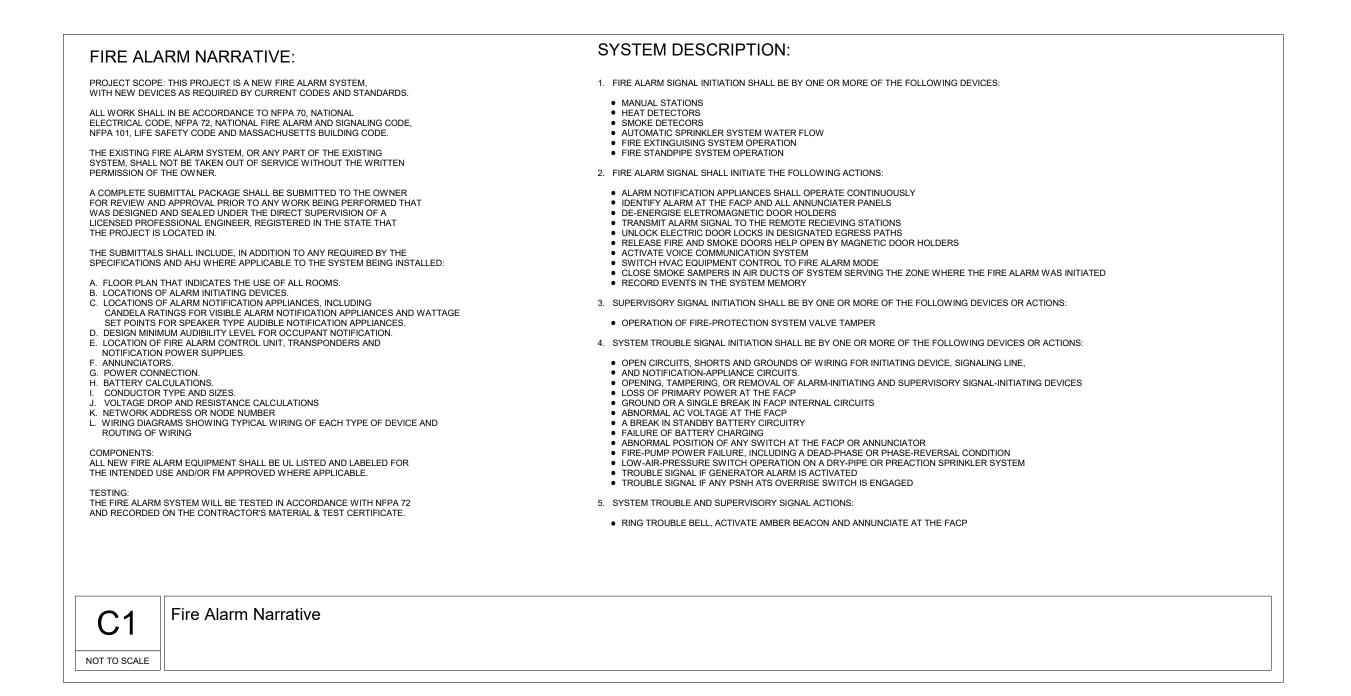
CHECKED BY:

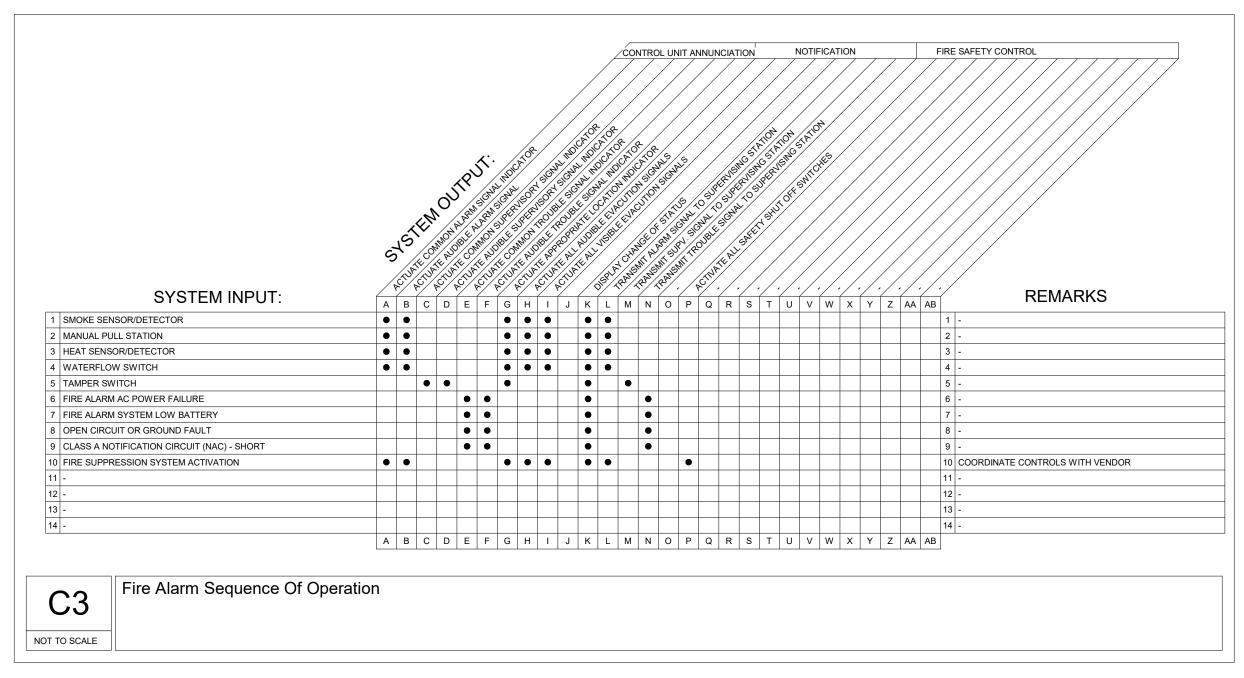
DRAWING TITLE:

DRAWING NO.:

DATE & TIME PRINTED: 11/15/2022 3:53:49 PM

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior





Fire Alarm Sequence of Operation

DEVICES REQUIRED. AUDIBLE (HORN) AND VISUAL ALARM INDICATING ALARM INITIATING LOOP(S) FOR MEZZANINE LOOP(S) FOR MÉZZANINE FLOOR (MINIMUM OF 2 FLOOR (MINIMUM OF 2 PER FLOOR) INTERLÉAVED CIRCUITS PER FLOOR) -ALARM INITIATING LOOP(S) FOR FIRST FLOOR (MINIMUM OF 2 PER FLOOR) AUDIBLE (HORN) AND VISUAL ALARM INDICATING LOOP(S) FOR FIRST FLOOR EXTERIOR BEACON AS REQUIRED (MINIMUM OF 2 INTERLEAVED CIRCUITS PER BY FIRE DEPT.— SEE NOTE 26-ALARM INITIATING LOOP(S) MINIMUM OF ONE (1)CIRCUIT PER FLOOR SUBMIT VENDOR DESIGNED AND APPROVED LAYOUT 1"C.,1#2 TO GROUND BUS IN MAIN ELECTRICAL ROOM —SEE NOTE 27  $\dashv$  M  $\models$  CM  $\models$  RTS  $\models$  M  $\dashv$  M  $\nmid$ TO ELEVATOR RECALL REMOTE LCD GRAPHIC ANNUNCIATOR LOCATED AT MAIN ENTRANCE-ANN TO SECURITY PANEL PROVIDE MODULES AS REQUIRED 120V AC EMERGENCY PANEL **FACP** CKT. # (1) 20A/1P C/B — FIRE ALARM SYSTEM DEVICES AND INSTALLATION SHALL 1"C.,1#2 TO GROUND BUS IN MAIN ELECTRICAL ROOM **BATTERY** —FIRE ALARM CONTROL PANEL LOCATED IN 120V AC EMERGENCY PANEL EMERGENCY ELECTRIC & BDA ROOM M03 (1) 20A/1P CKT WITH FACTORY COLORED RED HANDLES LOCKED IN 'ON' POSITION SURFACE-MOUNTED.

### FIRE ALARM SYSTEM NOTES:

- FIRE ALARM RISER IS DIAGRAMMATIC AND DOES NOT SHOW TOTAL QUANTITIES OF CIRCUITS, COMPONENTS, AND
- NOT ALL FIRE ALARM DEVICES ARE SHOWN ON THE ELECTRICAL DRAWINGS. REFER TO DRAWINGS OF OTHER TRADES FOR QUANTITIES AND LOCATIONS OF FIRE ALARM DEVICES NOT SHOWN ON THESE DRAWINGS, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, DUCT SMOKE DETECTORS, FLOW SWITCHES, AND PRESSURE SWITCHES.
- REFER TO DRAWINGS OF OTHER TRADES FOR SEQUENCE OF OPERATIONS FOR SMOKE DAMPERS AND AIR-HANDLING
- PROVIDE QUANTITIES, LOCATIONS, TYPES, COVERAGES, AND SETTINGS OF FIRE ALARM DEVICES TO MEET APPLICABLE CODES AND STANDARDS.
- PROVIDE NAC EXTENDER PANELS AS REQUIRED. PROVIDE ASSOCIATED 120-VOLT POWER FEEDS FROM LOCAL STAND-BY ELECTRICAL BRANCH CIRCUIT PANEL BOARD TO EACH NAC EXTENDER PANEL PROVIDED.
- LOCATE HEAT DETECTORS IN ELEVATOR SHAFTS AND ELEVATOR MACHINE ROOMS WITHIN 24-INCHES OF SPRINKLER HEADS. COORDINATE QUANTITY OF HEAT DETECTORS REQUIRED WITH QUANTITY OF SPRINKLER HEADS. WHERE ELEVATORS EXIST.
- WIRE SIZES, TYPES, AND QUANTITIES SHALL BE IN ACCORDANCE WITH VOLTAGE DROP CALCULATIONS (DEPENDANT ON SELECTED DEVICE RATINGS AND SETTINGS) AND MANUFACTURER'S RECOMMENDATIONS.
- EXACT CONDUIT AND WIRING REQUIREMENTS AND ROUTING SHALL BE DETERMINED IN THE FIELD AND INDICATED ON SHOP DRAWING SUBMITTALS.
- DRAWINGS OF FIRE ALARM COMPONENTS AS PART OF SHOP DRAWING SUBMITTAL PACKAGE. QUANTITIES, LOCATIONS, AND SETTINGS OF FIRE ALARM COMPONENTS SHOWN ON THESE DRAWINGS IS GENERIC AND MAY REQUIRE MODIFICATION TO MEET VENDOR-SPECIFIC REQUIREMENTS OR LIMITATIONS.
- PROVIDE FIRE ALARM SYSTEM DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER AND SUBMIT FOR APPROVAL TO AUTHORITIES HAVING JURISDICTION. ADDRESS COMMENTS MADE BY AUTHORITIES HAVING JURISDICTION AND RESUBMIT REVISED SIGNED AND SEALED DRAWINGS IF REQUIRED.
- FIRE ALARM DEVICES SHALL BE ADA COMPLIANT AND SHALL BE INSTALLED IN ACCORDANCE WITH ADA REQUIREMENTS.
- COMPLY WITH GOVERNING EDITIONS OF NFPA 72 AND INTERNATIONAL BUILDING CODE.
- PROVIDE LOCKABLE CIRCUIT BREAKER FOR 120-VOLT POWER CIRCUITS SERVING FIRE ALARM SYSTEM COMPONENTS. CLEARLY IDENTIFY EACH CIRCUIT BREAKER SERVING FIRE SYSTEM COMPONENTS AS SUCH.
- PROVIDE LABELS AT EACH FIRE ALARM DEVICE INDICATING DEVICE NUMBER AND ADDRESS.
- CONCEAL FIRE ALARM WIRING, CONDUIT, AND OUTLET BOXES IN FINISHED AREAS, UNLESS NOTED OTHERWISE. PROVIDE BOX SKIRTS FOR FIRE ALARM DEVICE BOXES INDICATED AS

- 16. FIRE ALARM WIRING IN EXPOSED LOCATIONS (MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC.) SHALL BE RUN IN CONDUIT.
- 17. FIRE ALARM DEVICES LOCATED OUTSIDE SHALL BE WEATHERPROOF.
- PROVIDE MINIMUM 25% SPARE CAPACITY ACROSS THE ENTIRE FIRE ALARM SYSTEM. PROVIDE MINIMUM 25% SPARE CAPACITY ON EACH FIRE ALARM CIRCUIT, CALCULATED WITH EACH ATTACHED DEVICE ASSUMED TO BE AT ITS HIGHEST SETTING.
- THE POWER SUPPLIES SHALL BE ADEQUATE TO SERVE ALL CONTROL PANELS, REMOTE MODULES, SMOKE DAMPERS, AND OTHER FIRE ALARM DEVICES AND SHALL BE SIZED FOR A MINIMUM OF 75% SPARE CAPACITY, INCLUDING BATTERIES.
- PROVIDE ISOLATION MODULES TO PROTECT FIRE ALARM CIRCUITS. AT A MINIMUM, PROVIDE ONE ISOLATION MODULE PER 25 ADDRESSABLE DEVICES, AND AT EACH TAP LOACTION ON
- CLASS B CIRCUITS. A FIRE ALARM EVENT SHALL CAUSE THE HOUSE LIGHTS IN THE THEATER TO BE BROUGHT UP TO FULL BRIGHTNESS, AND SHALL
- ALSO SHUT OFF THEATER PROJECTION AND SOUND SYSTEMS. WHERE THESE SYSTEMS EXIST. SUBMIT A LETTER ATTESTING TO 100% ACCEPTANCE TEST OF
- FIRE ALARM SYSTEM PRIOR TO REQUESTING LOCAL FIRE DEPARTMENT INSPECTION AND ACCEPTANCE TESTING.
- WIRE NOTIFICATION APPLIANCES IN BUILDING SO THAT DEVICES ALTERNATE BETWEEN NOTIFICATION CIRCUITS.
- AUDIBLE VOICE CIRCUITS SHALL BE WIRED ON TWO CIRCUITS PER AREA MINIMUM. AUDIO CIRCUITS AND AMPLIFIERS SHALL BE SIZED TO ALLOW SPEAKERS TAPPED AT 2 WATTS EACH PLUS 50% SPARE CAPACITY.
- PROVIDE 120-VOLT POWER FROM EACH LOCAL STAND-BY ELECTRICAL BRANCH CIRCUIT PANELBOARD TO EACH 120V

CONTROL MODULE.

- PROVIDE NEW FIRE ALARM MUNICIPAL LOOP CONNECTION VIA SIGCOM 16 ZONE RADIO MASTER BOX AND CENTRAL STATION AS REQUIRED BY THE FIRE DEPARTMENT. COORDINATE WITH L.W. BILLS 800-892-0275 AND THE FIRE DEPARTMENT.
- PROVIDE CONNECTION TO FIRE ALARM SYSTEM FOR CARBON MONOXIDE ALARM PROVIDED BY HVAC CONTRACTOR. UPON ACTIVATION SEND SUPERVISORY "CO" SIGNAL TO FACP AND PROVIDE LOCAL ALARM.
- PROVIDE CONNECTION TO FIRE ALARM SYSTEM FOR NITRIC OXIDE ALARM PROVIDED BY HVAC CONTRACTOR. UPON ACTIVATION SEND SUPERVISORY "NO" SIGNAL TO FACP AND PROVIDE LOCAL ALARM.
- AUDIBLE DEVICES SHALL BE SET FOR THE MINIUM dB LEVELS: a. GENERAL AREAS - 95dB AT 10' (3M) b. CLASSROOMS AND SMALL ROOMS - 85dB AT 10' (3M) c. MECHANICAL ROOMS, EQUIPMENT SPACES - 100dB AT 10' (3M)
- d. SET AS REQUIRED BY FIRE DEPARTMENT. VISUAL DEVICES SHALL HAVE A MINIMUM EFECTIVE INGTENSITY RATING AS FOLLOWS:
- a. GENERAL 75 CANDELA b. SLEEPING AREAS - 110 CANDELA
- c. ASSEMBLY AREAS 110 CANDELAS d. ROOMS OVER 100' (30M) IN BOTH DIRECTIONS - 110 CANDELAS e. EXTERIOR - 110 CANDELAS (EXCEPT ROATATING BEACON IS
- 150,000 CANDELA) f. SET AS REQUIRED BY FIRE DEPARTMENT.

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100 FAX. 617.723.9113

> PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: DATE: DESCRIPTION: 08/31/2022 BID SET 10/12/2022 50% CD 11/15/2022 90% CD KEY PLAN:

DRAWING TITLE: FIRE ALARM RISER DIAGRAM & DETAILS

DRAWN BY: JMH CHECKED BY: RDM 1/4" = 1'-0" PROJECT NO.: 21-125-2125.04

**DRAWING NO.:** 

FA-100

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senio DATE & TIME PRINTED: 11/15/2022 3:53:50 PM

Fire Alarm Riser Diagram

NOT TO SCALE

Fire Alarm Riser Diagram

Fire Alarm Narrative

SCALE: NOT TO SCALE

#### **BI-DIRECTIONAL AMPLIFIER SYSTEM NOTES:**

- 1. ELECTRICAL CONTRACTOR TO PROVIDE TESTING (SIGNAL SURVEY) TO DETERMINE THE NEED FOR A BDA SYSTEM. COORDINATE ALL REQUIREMENTS WITH THE FIRE DEPARTMENT PRIOR TO BID.
- 2. A SIGNAL SURVEY SHALL BE CONDUCTED ONCE THE PERMANENT MEMBRANE OF THE STRUCTURE IS SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION INCLUDES PERMANENT WINDOWS, WALLS, ROOF AND OTHER MEANS OF ENTRY/EXIT FROM THE STRUCTURE LIKE GARAGE DOORS. THIS SIGNAL SURVEY IS CONDUCTED IS CONDUCTED TO DETERMINE IF SIGNAL LEVELS ARE WITHIN CODE REQUIRED THRESHOLDS IN-BUILDING.
- SUBMIT REPORT INDICATING FINDINGS AND TEST DATA TO ENGINEER AND THE FIRE DEPARTMENT. MEET WITH THE FIRE DEPARTMENT AND OBTAIN DETERMINATION OF WHETHER THE BI-DIRECTIONAL AMPLIFIER SYSTEM IS REQUIRED FOR THE BUILDING. DOCUMENT THE FIRE DEPARTMENT MEETING AND SUBMIT MINUTES OF THE MEETING.
   THE BI-DIRECTIONAL AMPLIFIER SYSTEM IS A DELEGATED DESIGN, REFER TO
- SPECIFICATION FOR ADDITIONAL INFORMATION.
- 5. FOR BIDING PURPOSES ASSUME THE BI-DIRECTIONAL AMPLIFIER SYSTEM IS REQUIRED AND WILL BE A UL2524 COMPLIANT SYSTEM. COVERAGE IS REQUIRED ON ALL FLOORS. (4) FREQUENCIES WILL BE REQUIRED (CHANNEL 1 THROUGH CHANNEL 4). PROVIDE ALL COST FOR A FULLY FUNCTIONAL, CODE COMPLIANT SYSTEM THAT MEETS ALL THE REQUIREMENTS OF THE FIRE DEPARTMENT.
- BREAK OUT BI-DIRECTIONAL AMPLIFIER SYSTEM COST AS A LINE ITEM IN THE BID.
   IF BI-DIRECTIONAL AMPLIFIER SYSTEM IS REQUIRED, SUBMIT THE DESIGN TO THE ENGINEER PRIOR TO INSTALLATION FOR APPROVAL. BI-DIRECTIONAL AMPLIFIER SHOP DRAWINGS SHALL BE SEALED BY PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- 8. THIS DIAGRAM IS INTENDED TO ILLUSTRATE MAJOR EQUIPMENT AND THE INTENDED INTERCONNECTIONS. REFER TO THE BI-DIRECTIONAL AMPLIFIER SHOP DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DEVICES.

### **NUMBERED NOTES:**

- (1) UL1225 COMPLIANT BI-DIRECTIONAL AMPLIFIER SYSTEM.
- ② BI-DIRECTIONAL AMPLIFIER SYSTEM ANTENNA RISER CABLE TO BE PLENUM RATED AND 2 HOUR FIRE RATED.
- REFER TO BI-DIRECTIONAL AMPLIFIER SHOP DRAWINGS FOR EXACT QUANTITY OF DEVICES.
- 4 BI-DIRECTIONAL AMPLIFIER ANNUNCIATOR. ELECTRICAL CONTRACTOR TO PROVIDE STANDARD 4" 2 GANG BOX, 8 CONDUCTOR 18-24 GA CABLE. BI-DIRECTIONAL AMPLIFIER VENDOR TO PROVIDE ANNUNCIATOR. COORDINATE WITH FIRE DEPARTMENT AND BI-DIRECTIONAL AMPLIFIER VENDOR FOR EXACT LOCATION AND ALL REQUIREMENTS.

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LINO GIOUP CO

PLANNING
PLANNING

PLANNING

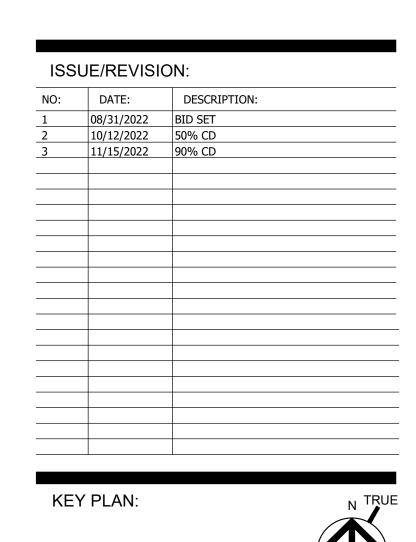
BOSTON,
INTERIOR DESIGN

TEL 617

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

FAX. 207.582.8320

CONSULTANT:



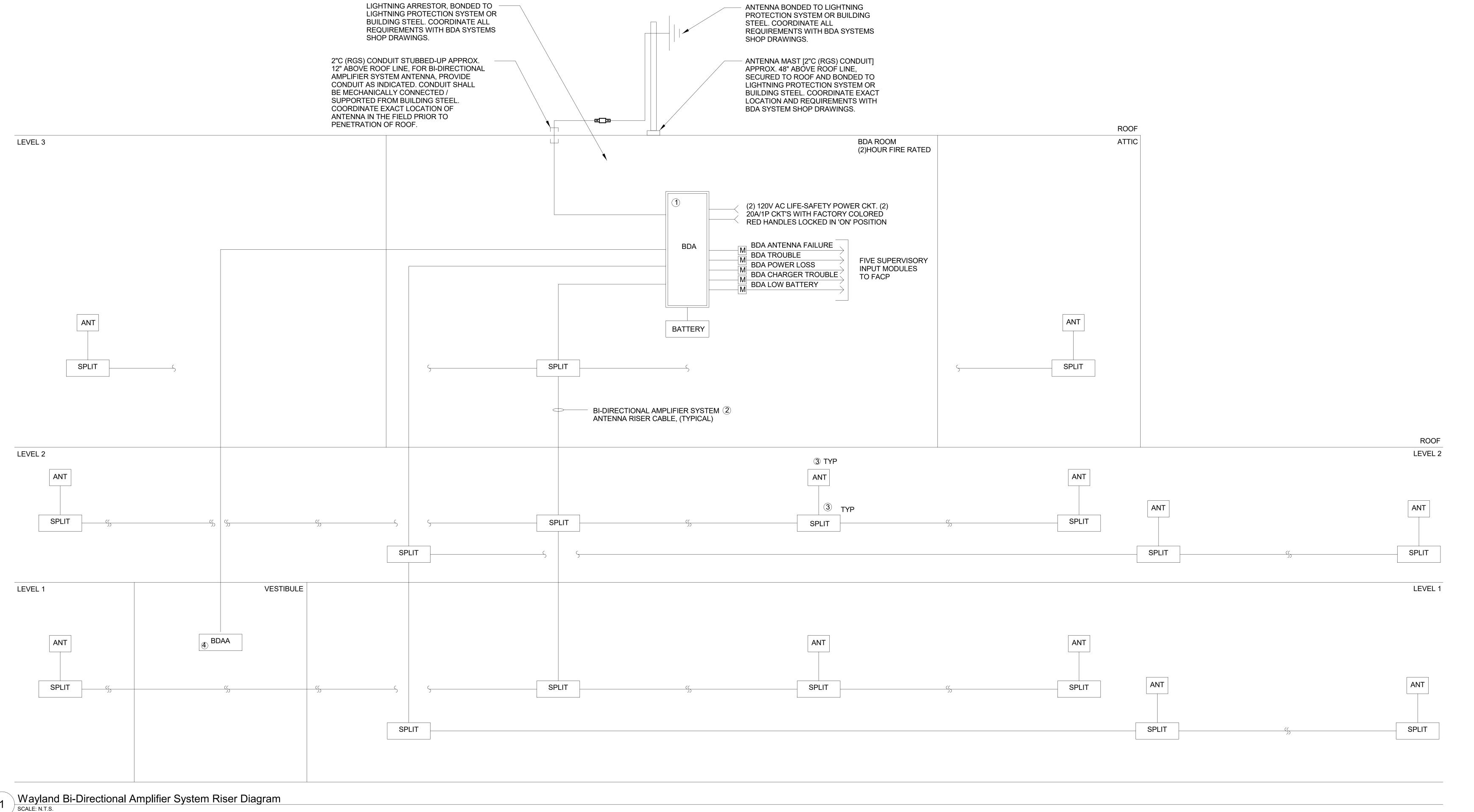
DRAWING TITLE:
Bi-Directional Amplifier System
Riser Diagram

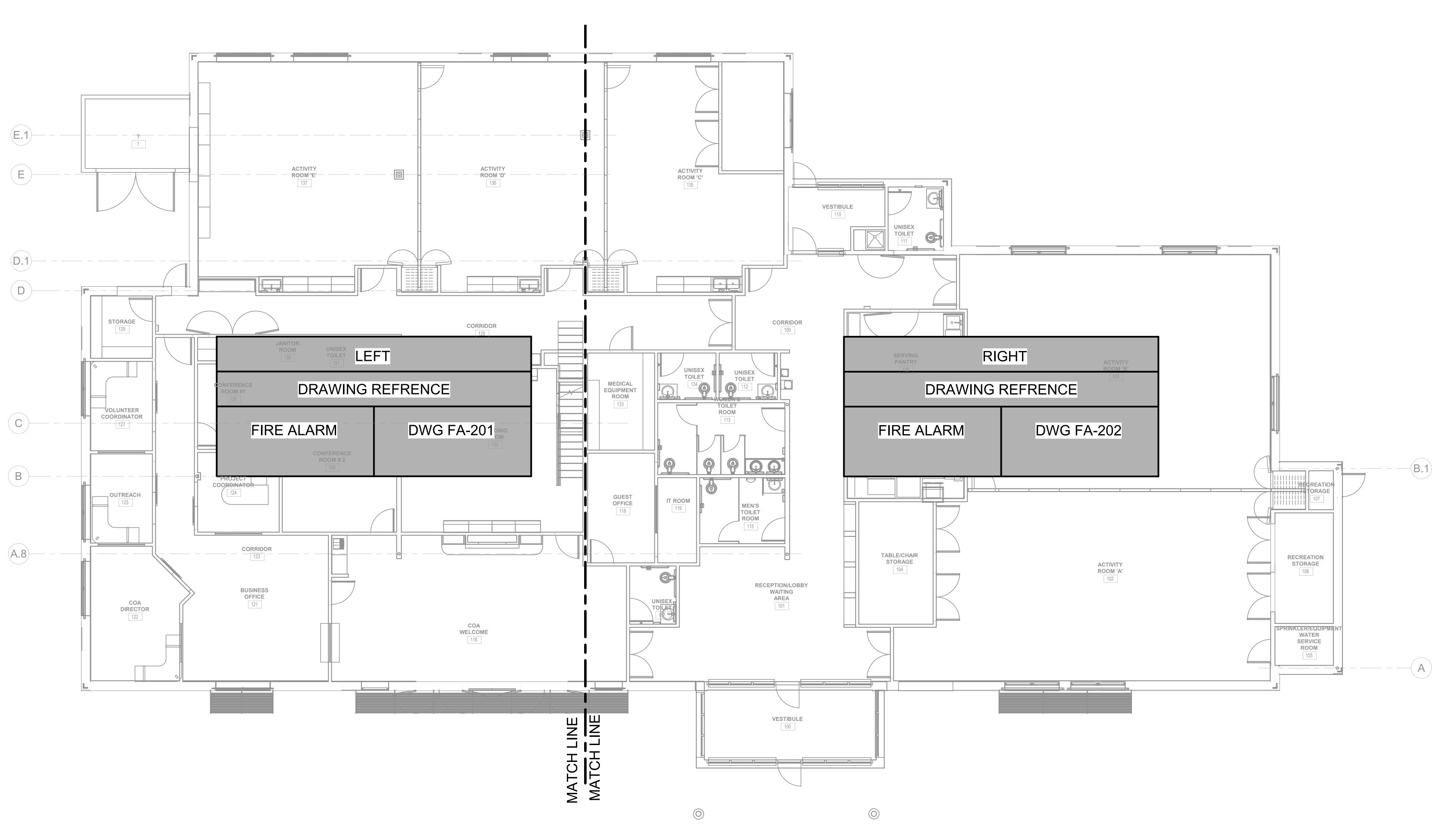
RDM
CHECKED BY:
RDJ
SCALE:
N.T.S.
PROJECT NO.:
21-125-2125.04

FA-110

DATE & TIME PRINTED: 11/15/2022 3:53:51 PM

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior





8 ANDREW AVENUE. WAYLAND, MA 01778

SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113 PORTLAND

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: 1 08/31/2022 BID SET 2 10/12/2022 50% CD 3 11/15/2022 90% CD \_\_\_\_ \_\_\_\_ KEY PLAN:

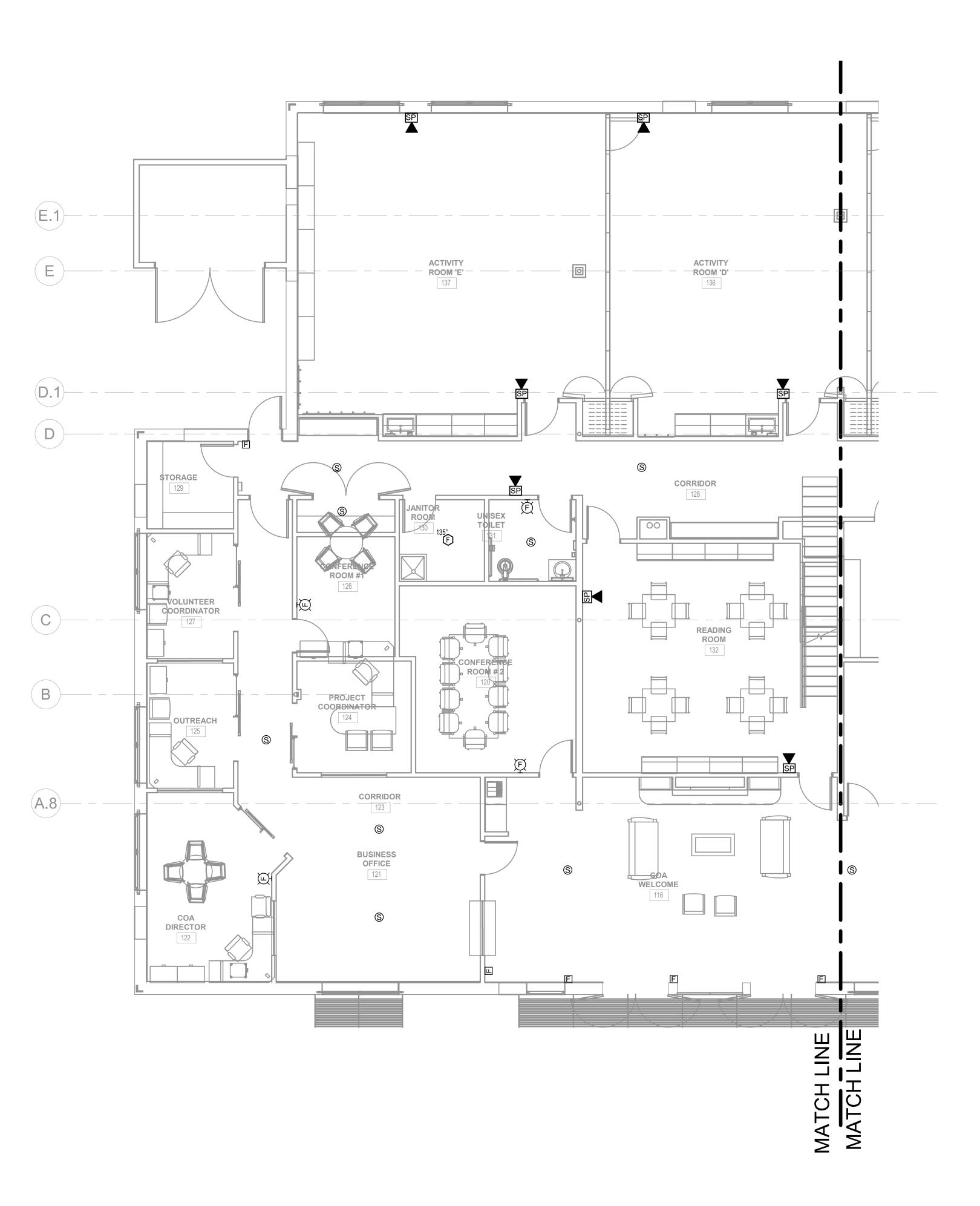
DRAWING TITLE:
FIRE ALARM FIRST FLOOR

DRAWN BY: CHECKED BY: RDM 3/16" = 1'-0" PROJECT NO.:

21-125-2125.04

DRAWING NO.: FA-200

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:52 PM



8 ANDREW AVENUE. WAYLAND, MA 01778

## SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400

FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:					
NO:	DATE:	DESCRIPTION:			
1	08/31/2022	BID SET			
2	10/12/2022	50% CD			
3	11/15/2022	90% CD			

DRAWING TITLE:
FIRE ALARM FIRST FLOOR PLAN-LEFT

DRAWN BY: CHECKED BY: RDM 3/16" = 1'-0" PROJECT NO.:

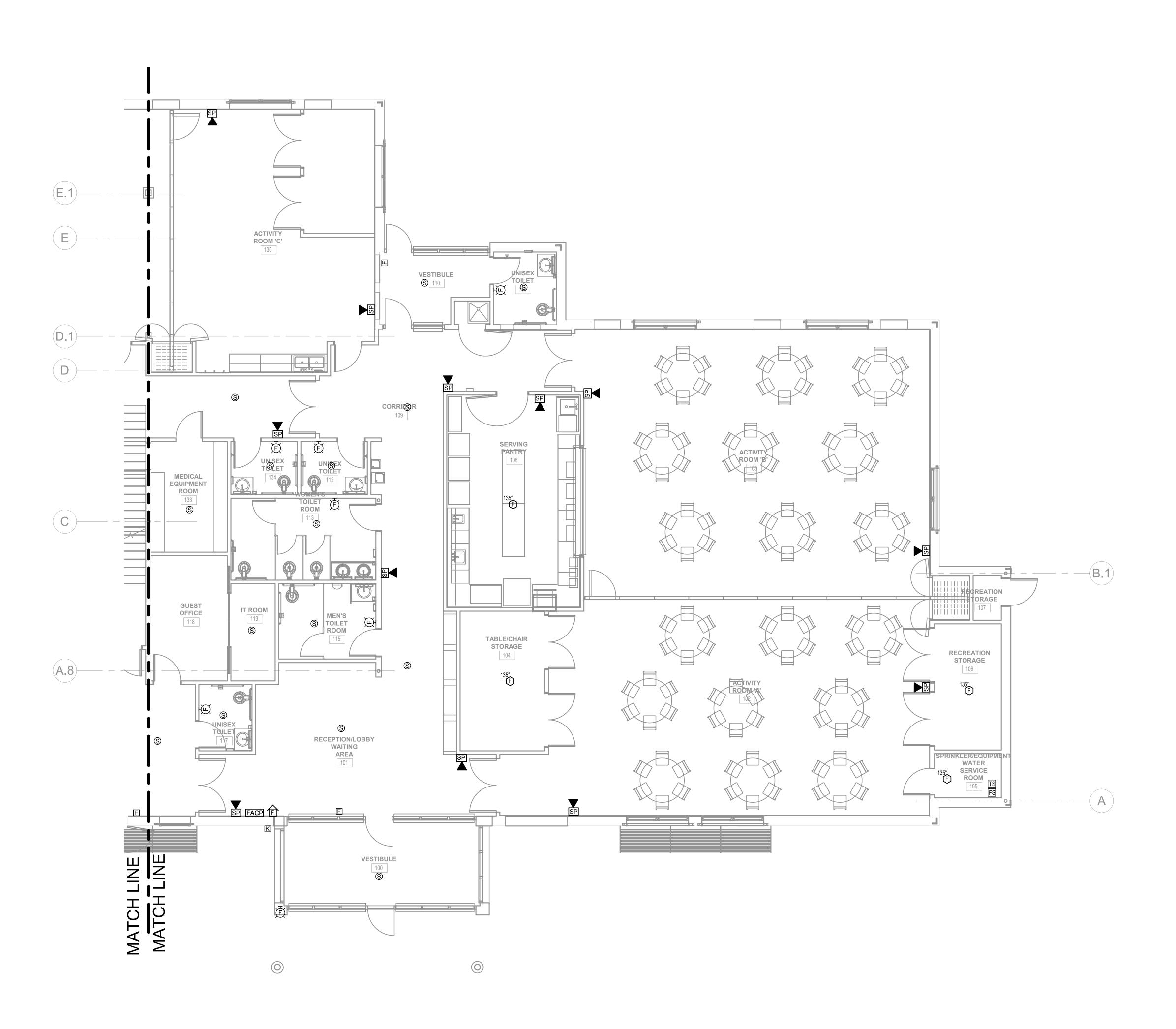
KEY PLAN:

21-125-2125.04

DRAWING NO.:

FA-201

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:53 PM



8 ANDREW AVENUE. WAYLAND, MA 01778

## SELECTIVE INTERIOR DEMOLITION



A LiRo Group Company

BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISS	UE/REVISI	ON:
NO:	DATE:	DESCRIPTION:
1	08/31/2022	BID SET
2	10/12/2022	50% CD
3	11/15/2022	90% CD
		+
KE	Y PLAN:	N TR

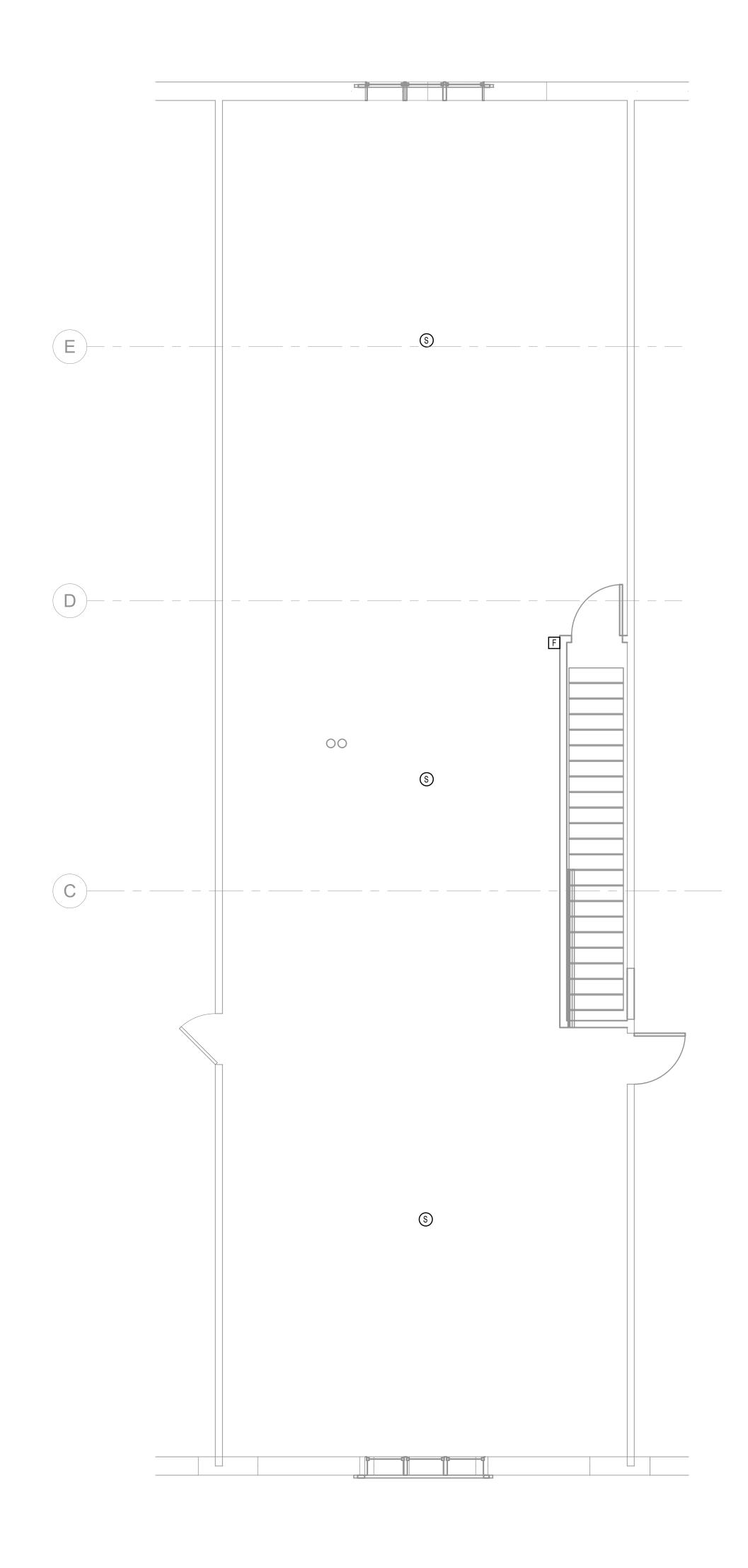
DRAWING TITLE:
FIRE ALARM FIRST FLOOR PLAN-RIGHT

DRAWN BY:
JMH
CHECKED BY:
RDM
SCALE:
3/16" = 1'-0"
PROJECT NO.:

21-125-2125.04 DRAWING NO.:

FA-202

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt DATE & TIME PRINTED: 11/15/2022 3:53:54 PM



8 ANDREW AVENUE. WAYLAND, MA 01778

## SELECTIVE INTERIOR **DEMOLITION**



A LiRo Group Company

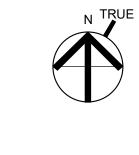
529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113 PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103

TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:					
NO:	DATE:	DESCRIPTION:			
1	08/31/2022	BID SET			
2	10/12/2022	50% CD			
3	11/15/2022	90% CD			

KEY PLAN:



DRAWING TITLE:
FIRE ALARM MEZZANINE PLAN

DRAWN BY:	SEAL:
JMH	
CHECKED BY:	
RDM	
SCALE:	
1/4" = 1'-0"	
PROJECT NO.:	
21 125 2125 04	

21-125-2125.04 DRAWING NO.: FA-210

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Elec.rvt

DATE & TIME PRINTED: 11/15/2022 3:53:55 PM

## FIRE PROTECTION SYMBOL LIST

	— FS — NEW WET SPRINKLER PIPING
	EXISTING TO REMAIN WET SPRINKLER PIPING
	EXISTING TO BE REMOVED/DEMOLISHED SPRINKLER PIPING
<b>A</b>	NEW SIDEWALL SPRINKLER HEAD
Δ	EXISTING SIDEWALL SPRINKLER
٥н	NEW UPRIGHT SPRINKLER HEAD, RATED AT 212°F
0	NEW UPRIGHT SPRINKLER HEAD
0	EXISTING UPRIGHT SPRINKLER HEAD
<b>●</b> P	NEW CONCEALED PENDENT SPRINKLER HEAD-PREACTION
•	NEW CONCEALED PENDENT SPRINKLER HEAD-ORDINARY TEMPERATURE
•1	NEW CONCEALED PENDENT SPRINKLER HEAD-INTERMEDIATE TEMPERATURI
0	EXISTING PENDENT SPRINKLER HEAD
×	SPRINKLER WITH GUARD
Д	FIRE HOSE CABINET
-ШШ	FIRE HOSE RACK
ошш	FIRE HOSE RACK / SPRINKLER
<u>&gt;</u>	SIAMESE CONNECTION
<b>&gt;</b> -	SIAMESE CONNECTION FREESTAND
1Z	CHECK VALVE
₹	CHECK VALVE W/ ALARM
$\Diamond$	WATER MOTOR ALARM BELL
8	PIPE RISER
<del>с</del> –	PIPE DROP
0-	PIPE UP
8	DRY PIPE VALVE
$oldsymbol{\Theta}$	POINT OF CONNECTION
	POINT OF DISCONNECTION
<u></u>	SPRINKLER PLUG
FCVA	FLOOR CONTROL VALVE ASSEMBLY
$\overline{\mathbb{P}}$	VALVE TAMPER SWITCH
	SOLENOID VALVE
<u></u>	OS & Y VALVE
<u> </u>	BACKFLOW PREVENTER DOUBLE CHECK TYPE
<u> </u>	BACKFLOW PREVENTER REDUCED PRESSURE ZONE (RPZ) TYPE
<u></u>	REVISION SYMBOL
<u>F</u> #)	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
/xxx\	EQUIPMENT TAG
X	EQUIPMENT NUMBER
X	DETAIL TAG/ CALL OUT TAG
<del>                                     </del>	

	<b>ABBREVIATIONS</b>					
ACV	ALARM CHECK VALVE	NYS	NEW YORK STATE			
B.O.P.	BOTTOM OF PIPE	P.C	PLUMBING CONTRACTOR			
F.S.C.	FIRE SPRINKLER CONTRACTOR	W/	WITH			

\X-XXX <del>\ </del>FIRE PROTECTION SHEET NUMBER

•	SPRINI	KLE	R HEAD S	CHE	DULE
COLINT	TVDE MADK	MADE	MANUEACTURER	MODEL	COMMENTS

RELIABLE

F1FR

DOWN PENDANT

### FIRE PROTECTION SAFETY NOTES:

1. SPECIAL PRECAUTION SHALL BE TAKEN BY THE CONTRACTOR SO THAT EQUIPMENT OF THIS APPLICATION AND ITS INSTALLATION WILL NOT AFFECT THE FOLLOWING: EGRESS TO AND FROM THE BUILDING. FIRE SAFETY OR CREATE A FIRE HAZARD. STRUCTURAL SAFETY OF THE BUILDING, ACCUMULATION OF DUST AND DEBRIS. (THE CONTRACTOR SHALL LEAVE THE SITE BROOM CLEANED EACH DAY.)

# FIRE PROTECTION SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS REQUIRED IN ACCORDANCE WITH CHAPTER 17 AND THE APPLICABLE SECTION OF MA STATE BUILDING CODE ARE LISTED IN THE FOLLOWING TABLES. THE "AUTHORITY" SHALL BE RESPONSIBLE FOR THE FOLLOWING SPECIAL INSPECTIONS:

PENETRATION FIRESTOP BC 1705.17.1
FIRE RESISTANCE JOINT SYSTEMS BC 1705.17.2

### FIRE PROTECTION GENERAL NOTES:

1. DIMENSIONS, LOCATIONS AND SIZES INDICATED ON THE PLANS AND THE ELEVATION ARE APPROXIMATE AND SHALL BE VERIFIED BY FIELD INSPECTION BY THE CONTRACTOR.

2. SOME EXISTING PIPE AND EQUIPMENT IS SHOWN FOR CLARIFICATION OF THIS CONTRACT, BUT MUST BE PROTECTED BY THE CONTRACTOR.

3. NO WORK SHALL BE INITIATED UNTIL A WORK PERMIT IS OBTAINED BY THE CONTRACTOR AND A SAFETY PLAN IS SUBMITTED AND IS APPROVED.

4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOLLOMENT LISE.

4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, EQUIPMENT USE PERMITS, ALL INSPECTION APPROVALS, AND LETTER OF COMPLETION FROM THE NEW YORK CITY DEPARTMENT OF BUILDINGS FOR WORK UNDER THIS CONTRACT AS APPLICABLE.
5. ANY EXISTING MATERIALS, PIPING, ETC., NOT INDICATED FOR DEMOLITION WHICH ARE

REMOVED BY THE CONTRACTOR IN ORDER TO INSTALL NEW WORK SHALL BE REINSTALLED BY THE CONTRACTOR. IF EXISTING WORK IS DAMAGED IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL SURFACES OR FINISHES THAT ARE DAMAGED OR OTHERWISE AFFECTED BY WORK OF THIS CONTRACT SHALL BE PATCHED, REPAIRED, PAINTED OR REPLACED TO MATCH THE PRE-EXISTING CONDITION AND THE NEW WORK.

CONTRACTOR MAY PROPOSE ALTERNATE ROUTING IN DIFFICULT AREAS WHERE REPLACEMENT IN KIND IS NOT PRACTICAL. ANY AND ALL ALTERNATE ROUTING IS SUBJECT TO PRIOR REVIEW AND APPROVAL BY THE ENGINEER.
 A FIRE WATCH SHALL BE USED IF REQUIRED.

### FIRE PROTECTION SPECIFICATIONS

A. PROVISIONS OF THE GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS,

WHETHER ATTACHED HERETO OR NOT, SHALL GOVERN ALL WORK UNDER THESE SECTIONS.

15200.02 SCOPE OF WORK

A. IT IS THE INTENT OF THESE SPECIFICATIONS TO FURNISH AND INSTALL A COMPLETE WET PIPE SPRINKLER PROTECTION SYSTEM FOR THE BUILDING AND A DRY SYSTEM FOR THE ATTIC, INCLUDING VALVES, SIAMESE CONNECTIONS, RISERS, AND ALARMS AS REQUIRED.

B. ALL AREAS SHALL BE SPRINKLED WITH WET-PIPE SYSTEMS, THE ATTIC WILL HAVE A DRY SYSTEM.

EXTERIOR CANOPIES AND OPEN AREAS WILL NOT BE SPRINKLED UNLESS REQUIRED BY THE INSURANCE CARRIER OR OTHER AUTHORITIES HAVING JURISDICTION.

C. ALL UNHEATED SPACES WITHIN THE WET SYSTEM PART OF THE BUILDING SHALL BE PROTECTED WITH 1" INSULATION AND HEAT TRACING AT 8 WATTS PER FT. ANTIFREEZE LOOPS SHALL NOT BE PERMITTED.

D. SYSTEMS SHALL BE DESIGNED AND INSTALLED IN STRICT COMPLIANCE WITH NFPA STANDARD NO. 13 AND ALL STATE AND LOCAL CODES HAVING JURISDICTION.

E. ALL ELECTRICAL REQUIREMENTS FOR FIRE PROTECTION AND SPRINKLER SYSTEM ARE TO BE INSTALLED UNDER A SEPARATE CONTRACT.

15200.03 SHOP DRAWINGS

A. IT IS THE RESPONSIBILITY OF THE F.S.C. TO PROVIDE DETAILED DRAWINGS, SPECIFICATIONS & CALCULATIONS OF THE SPRINKLER SYSTEM(S) & SHOP DRAWINGS OF EQUIPMENT, STAMPED & APPROVED BY AUTHORITIES HAVING JURISDICTION, INCLUDING FIRE MARSHALL & INSURANCE UNDERWRITERS, ARE REQUIRED FOR THIS WORK. DRAWINGS & CALCULATIONS SHALL BE PREPARED, SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER, & SHALL COMPLY WITH NFPA 13, CHAPTER 1-9, "WORKING PLANS". SHOW ON ALL DRAWINGS THE

INFORMATION REQUESTED BY LOCAL AUTHORITIES.

B. INDICATE ALL DUCTWORK, LIGHTS AND OTHER OBSTRUCTIONS ON SHOP DRAWINGS TO SHOW
PROPER INSTALLATION OF ALL SPRINKLER WORK. LABEL ALL INTERIOR, EXTERIOR AND UNHEATED AREAS FOR REVIEW CLARIFICATION. PROPER FREEZE PROTECTED SYSTEMS SHALL BE PROVIDED AS REQUIRED.

C. SUBMIT SUFFICIENT COPIES OF ALL DETAILED SHOP DRAWINGS TO ALL GOVERNING AUTHORITIES
AND INSURANCE UNDERWRITERS TO ALLOW A FINAL SUBMITTAL TO OWNER OF SIX (6) COMPLETE SETS BEARING ALL APPROVAL STAMPS.

D. DO NOT SUBMIT DRAWINGS TO OWNER THAT DO NOT BEAR ALL REQUIRED APPROVAL STAMPS.

E. NO WORK SHALL BE INSTALLED UNTIL SHOP DRAWINGS, AS DESCRIBED ABOVE, HAVE BEEN REVIEWED AND APPROVED BY THE OWNER AND TENANT.

15200.04 WORKMANSHIP AND INSTALLATION

A. ALL SPRINKLER WORK MUST BE DONE BY A LICENSED SPRINKLER CONTRACTOR, APPROVED BY THE INSURANCE CARRIER AND LICENSED BY LOCAL AUTHORITIES.

B. NO WORK SHALL BE DONE UNTIL ALL SPRINKLER PLANS ARE APPROVED.

C. FURNISH ALL MATERIALS, LABOR, TOOLS, EQUIPMENT & SUPERVISION REQUIRED FOR THE INSTALLATION OF COMPLETE SYSTEMS & ALL NECESSARY PIPING, SPRINKLER HEADS, TEST CONNECTIONS, VALVES, DRAINS & SPRINKLER ALARMS, FLOW SWITCHES, HORNS OR GONGS, DETECTOR CHECK VALVES, SIAMESE FIRE DEPARTMENT CONNECTIONS, PRESSURE GAUGES, AND OTHER REQUIRED COMPONENTS.

D. ALL SPRINKLER PIPING SHALL BE CONCEALED IN ALL FINISHED AREAS AVOIDING INTERFERENCE WITH LIGHTS, DUCTS, PIPES, ETC. BALANCE MAY BE RUN EXPOSED WHERE HEADS CONFLICT WITH LUMINARIES. LUMINARIES TAKE PRECEDENCE.

E. CUTTING AND NOTCHING OF JOISTS IS NOT ACCEPTABLE.

F. SPRINKLER PIPING SHALL BE INSTALLED AT MAXIMUM HEIGHT ABOVE FLOOR AND A MINIMUM OF 12" ABOVE FINISHED CEILING TILES IN ALL LOCATIONS THROUGHOUT ENTIRE

BUILDING UNLESS OTHERWISE SHOWN.

G. DO NOT HANG OR SUPPORT PIPE FROM TOP DECK.

H. ALL SPRINKLER MAINS 6" OR LARGER, WHEN PARALLEL WITH STRUCTURAL FRAMING, MUST BE SUPPORTED FROM TWO OR MORE STRUCTURAL MEMBERS.

I. SPRINKLER HEADS SHALL BE INSTALLED MAXIMUM OF 6" FROM CENTER OF CEILING TILES AND MINIMUM OF 3' FROM CEILING DIFFUSERS, RETURN AIR GRILLE, LIGHTING FIXTURES OR "J" BAR CONSTRUCTION. SEE REFLECTED CEILING PLANS.

J. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL WIRING AS SHOWN ON DRAWINGS AND CONTROL APPARATUS AS HERE IN AFTER SPECIFIED.

K. SPRINKLER CONTRACTOR SHALL CONSULT WITH WATER COMPANY AND PROVIDE ALL REQUIRED PIPING AND EQUIPMENT. ALL REQUIRED EQUIPMENT AND PIPING SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR. METER-BACK FLOW PREVENTERS FOR FIRE SERVICE SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR.

L. ALL INTERIOR PIPING TO BE OF SCHEDULE 10 BLACK STEEL PIPE WITH MECHANICAL-JOINT (VICTAULIC) FITTINGS OR SCHEDULE 40 WITH THREADED FITTINGS OF TYPE AS RECOMMENDED BY THE INSURANCE UNDERWRITER. ALL MATERIALS SHALL BE NEW, OF THE BEST QUALITY AND OF TYPE AS RECOMMENDED BY THE INSURANCE UNDERWRITER. ALL MATERIALS SHALL BE NEW, OF THE BEST QUALITY AND WITH THE SAME BRAND OR MANUFACTURER USED FOR EACH CLASS OF MATERIAL. ALL VALVES SHALL BE UL TESTED & FACTORY MUTUAL APPROVED.

15200.05 PERMITS

A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

15200.06 ALARMS

A. PROVIDE LOCAL ALARMS CONSISTING OF: WATER MOTOR GONG BY SPRINKLER CONTRACTOR, ELECTRIC BELL AND FLASHING RED LIGHT BY ELECTRICAL SUB-CONTRACTOR.

B. FURNISH AND INSTALL THE FOLLOWING: ONE (1) WATER FLOW DETECTION DEVICE, ONE (1) SUPERVISORY DEVICE ON SHUTOFF VALVE. NOTE: PROVIDE A PULL BOX IF MANDATORY PER THE LOCAL FIRE DEPARTMENT.

C. THE ELECTRIC WIRING FOR THE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH NATIONAL BOARD OF FIRE UNDERWRITERS, PAMPHLET NO.72 AND NEC INSPECTED AND TESTED WITH REQUIREMENTS OF THE ASSOCIATED FACTORY MUTUALS. THE COST OF THIS ELECTRIC WIRING SHALL BE INCLUDED IN THE CONTRACT.

15200.07 FIRE DEPARTMENT SIAMESE HOSE CONNECTION

A. FIGURE #276, CATALOG #52 AS MADE BY W.D. ALLEN COMPANY OR ELKHART COMPANY #166 IN

CATALOG #62 THREADS TO MATCH LOCAL FIRE DEPARTMENT CONNECTIONS LOCATE 1'-6"

CATALOG #62. THREADS TO MATCH LOCAL FIRE DEPARTMENT CONNECTIONS. LOCATE 1'-6" FROM OUTSIDE FINISH GRADE TO CENTERLINE OF CONNECTIONS OR AS DIRECTED BY LOCAL FIRE DEPARTMENT.

15200.08 TEST DRAINS

A. ALL TEST DRAINS SHALL TERMINATE OUTSIDE THE BUILDING WHERE CODES PERMIT. OTHERWISE,
THEY SHALL RUN TO AN APPROVED WASTE RECEIVER WHICH CONNECTS TO THE SANITARY WASTE

SYSTEM.

15200.09 VALVE CHAIN AND PADLOCK

A. PROVIDE A CHAIN WITH WELDED EYES AND PADLOCK TO LOCK OPEN THE MAIN SPRINKLER CONTROL VALVES. CHAIN AND PADLOCK SHALL BE INSTALLED WHEN SPRINKLER SYSTEM HAS BEEN ACTIVATED.

15200.10 CERTIFICATION

A. WHEN COMPLETED, THE ENTIRE PIPING SYSTEM SHALL BE TESTED TO THE SATISFACTION OF THE FIRE MARSHALL AS REQUIRED BY THE RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION, AND MUST BE FREE OF LEAKS AND OTHER DEFECTS.

B. SPRINKLER CONTRACTOR MUST SUBMIT CERTIFICATION FROM THE INSURANCE CARRIER AND ANY OTHER AGENCIES HAVING JURISDICTION, INDICATING THAT THE SYSTEMS ARE

C. SUBMIT A TEST REPORT TO THE FIRE MARSHALL ON APPROVED FORMS.

15200.11 GUARANTEE

A. ALL EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED AGAINST DEFECTIVE

APPROVED AS INSTALLED.

MATERIALS, LABOR, & IMPROPER DESIGN FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER AND ARCHITECT.

B. SEE SUPPLEMENTARY GENERAL CONDITIONS FOR WARRANTY REQUIREMENTS.

C. THE CONTRACTOR SHALL PAY ALL APPLICATION AND LICENSING FEES AND MAINTAIN ALL LICENSES IN GOOD ORDER, RE-FILING WHERE REQUIRED BY THE FIRE MARSHALL.

### FIRE PROTECTION NOTES

1. THE DRAWINGS SHOW THE LAYOUT OF THE SYSTEM AND INDICATE THE APPROXIMATE LOCATIONS OF EQUIPMENT AND PIPING. CONTRACTOR IS CAUTIONED NOT TO SCALE THE DRAWINGS. THE PIPING SHALL BE RUN APPROXIMATELY IN THE AREAS AS INDICATED ON THE DRAWINGS, [HOWEVER, TO THE ARRANGEMENT OF THE PIPING SYSTEMS AS MAY BE REFERENCED WITH WORK OF OTHER TRADES]. CONTRACTOR SHALL REVIEW AND COORDINATE WITH STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. PARTITIONS, STRUCTURAL MEMBERS, ETC. ARE DESIGNED TO BE FURRED OR CLOSED IN AND TO INCLUDE ROUGH-IN PIPING. CONTRACTOR SHALL FURNISH ALL OFFSETS, ADDITIONAL FITTINGS, ETC. WHETHER SHOWN ON DRAWINGS OR NOT, AS REQUIRED TO MEET INSTALLATION CONDITIONS.

2. CONTRACTOR IS TO COMPLY WITH LATEST NFPA AND N.Y.S. CODES, AND COORDINATE HIS WORK WITH OTHER TRADES AND MAKE NECESSARY ADJUSTMENTS.

3. CONTRACTOR IS TO PREPARE SHOP DRAWINGS FOR ENGINEERS REVIEW AFTER MAKING A COMPLETE FIELD SURVEY.

4. CONTRACTOR IS TO REPORT ANY CONDITION REQUIRING CHANGES FROM PLANS TO ENGINEER

5. BRANCH LINES AND MAINS (1 1/2" OR LESS) - SCHEDULE 40 FM APPROVED

PRIOR TO STARTING WORK.

6. BRANCH LINES AND MAINS (2" OR LARGER) - THINWALL (THICKNESS LESS THEN SCHEDULE 40 MORE THEN SCHEDULE 10 & FM APPROVED)

7. HEAT BY OWNER THROUGHOUT INCLUDING CONCEALED SPACE, EXCEPT AS INDICATED.

8. SYSTEM TO BE TURNED ON AT END OF EACH WORK DAY.

9. CONTRACTOR IS TO PERFORM A HYDROSTATIC TEST FOR 2 HRS. @ 200 PSI WITH NO LEAKAGE AND PROVIDE A TEST CERTIFICATE TO ENGINEER

10. CONTRACTOR IS TO EMPLOY EXPERIENCED WORKMEN WHO ARE TO FAMILIARIZE THEMSELVES WITH THE BUILDING AND OBSERVE SAFETY REQUIREMENTS.11. CONTRACTOR TO ADJUST HEAD LOCATION TO COORDINATE WITH LIGHTS, DUCTS, ETC.

12. PENDENT DEFLECTORS MIN 2" BELOW CEILING13. PERMIT FROM LOCAL AUTHORITY, TO BE OBTAINED BY CONTRACTOR.

14. ALL WORK TO BE APPROVED BY OWNERS ENGINEER, STATE AUTHORITIES HAVING JURISDICTION AND MUNICIPAL FIRE, PLUMBING, BUILDING AND WATER DEPARTMENTS.

15. U.L. AND/OR FM APPROVED EQUIPMENT TO BE USED.

16. WORK TO BE IN ACCORDANCE WITH MUNICIPAL WATER DEPT. RULES.

INTERESTS, ETC. PRIOR TO VALVE CLOSURES.

17. SYSTEM IS TO BE MAINTAINED AND TESTED BY THE OWNER OR HIS AGENT IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES AND IN CONFORMANCE WITH NFPA 13A, LATEST

18. IF BUILDING OCCUPANCY OR CONSTRUCTION CHANGES, THE SPRINKLER SYSTEM IS TO BE UPDATED ACCORDINGLY BY THE OWNER OR HIS AGENT.

19. CONTRACTOR IS TO NEATLY CUT AND PATCH IN A FIRST CLASS WORKMANLIKE MANNER, ALL HOLES AND PENETRATIONS IN WALLS, CEILINGS, FLOORS, PARTITIONS, ETC.

20. THE ENGINEER IS NOT RETAINED FOR SUPERVISION.

21. THE INSTALLATION OF THIS SYSTEM WILL REQUIRE THE CLOSING OF ONE OR MORE FIRE PROTECTION CONTROL VALVES. THESE VALVE CLOSURES SHOULD BE CLOSELY COORDINATED WITH THE OWNERS WHO SHOULD CONTACT THE LOCAL FIRE DEPARTMENT, INSURANCE

22. ACTUAL DESIGN DENSITY MAY EXCEED STANDARDS, HOWEVER, IT IS A MINIMUM TO BE USED BY THE CONTRACTOR.

23. ALL ALARMS RELATING TO THE SPRINKLER SYSTEM SHOULD BE ACTIVATED UPON PLACING THE SPRINKLER SYSTEM IN SERVICE.

24. THE INSTALLATION COMPONENTS, SIZING, SPACING, MATERIALS LOCATION CLEARANCES,

POSITION AND TYPE OF SYSTEM SHALL CONFORM TO NFPA 13 AND NYS UNIFORM FIRE PREVENTION BUILDING CODE LATEST EDITION

25. SPRINKLERS SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER NFPA CODE.

26. INSPECTION AND TESTS OF SPRINKLER SYSTEM SHALL BE CONDUCTED AS SPECIFIED IN NFPA CODE

27. WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED AS SPECIFIED IN CHAPTER 2-9 OF NPPA 13.

28. PIPING SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST

CORROSION, DAMAGE FITTINGS, VALVES, HANGERS, SPRINKLERS, GUARDS AND SHIELDS SHALL BE IN ACCORDANCE WITH CHAPTER 3 OF NFPA 13, LATEST EDITION.

29. STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER CHAPTER 3 OF NFPA 13 (REQUIRED FOR EACH TEMPERATURE RATING).

30. SPRINKLER ALARMS WILL BE IN ACCORDANCE WITH NFPA 13.
31. SPACING, LOCATION AND POSITION OF SPRINKLERS SHALL BE IN ACCORDANCE WITH CHAPTER 4

OF NFPA 13.

32. ALL BLIND SPACES EXCEEDING 6 INCHES IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIAL SHALL BE SPRINKLERED.

33. ALL PIPING PASSING THROUGH WALLS SHALL COMPLY WITH NFPA FOR FIRE PROOFING.34. DISTANCE OF SPRINKLERS FROM HEAT SOURCES SHALL BE IN ACCORDANCE WITH TABLE 3-16.6.3 OF NFPA 13.

35. AUTOMATIC INTERLOCK CUTOFF SWITCH FOR VENTILATION SHALL BE BY HVAC FAN SHUTDOWN.
36. PROVIDE WATER SUPPLY LETTER WITH FLOW TEST DATA.

37. ALL PIPES PASSING THROUGH FOUNDATION WALLS TO BE PROTECTED.

38. ALL VALVES SHALL BE IDENTIFIED AS REQUIRED BY NFPA 13.

39. DRAINAGE TO CONFORM TO CHAPTER 3-11 OF NFPA 13.

40. A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHOULD BE USED WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE AS PER SECTION 3-12.2.7 OF NFPA 13.

41. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES AND IN SUPPLY TO SPRINKLERS SHALL BE

APPROVED O.S. &Y. OR APPROVED INDICATOR TYPE WITH TAMPER SWITCHES.

42. DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER SECTION 3-14.1.2 OF NFPA
13.

43. HANGERS SHALL BE OF A TYPE APPROVED FOR USE WITH THE PIPE OR TUBE INVOLVED, SPRINKLER PIPING SHOULD BE SUPPORTED BY ADJUSTABLE HANGERS PER NFPA 13, SECTION 3-15.

44. PROVISIONS SHOULD BE MADE TO FACILITATE FLUSHING SYSTEM PIPING BY PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CAPPED NIPPLE 4" LONG ON THE END OF THE CROSS

MAIN, AS PER SECTION 3- 8.2 OF NFPA 13.

45. SPRINKLER SHALL BE AN APPROVED TYPE AS PER SECTION 3-16 OF NFPA 13.

46. TEMPERATURE RATING SHALL COMPLY WITH SEC. 3-16.6 OF NFPA 13.

47. CLEARANCES BETWEEN SPRINKLERS AND STORAGE OR PARTITIONS AS PER NFPA 13, SECTION 4-2.5.48. SPACING AND LOCATION OF SPRINKLER SHALL COMPLY WITH CHAPTER 4 NFPA 13. OF

48. SPACING AND LOCATION OF SPRINKLER SHALL COMPLY WITH CHAPTER 4 NFPA 13. OF
49. CONTRACTOR TO COORDINATE HIS WORK WITH OTHER TRADES.

50. HEAT IS TO BE DROVIDED THROUGHOUT THE ENTIRE AREA THAT DIDING FOUNDMENT A

50. HEAT IS TO BE PROVIDED THROUGHOUT THE ENTIRE AREA THAT PIPING, EQUIPMENT AND HEADS ARE INSTALLED.

51. ONLY EXPERIENCED SPRINKLER MECHANICS TO WORK ON THE SYSTEM.

52. ALL PIPING TO BE A MINIMUM OF 1" UNLESS OTHERWISE NOTED.
53. PROVIDE WATER SHIELDS OVER ALL / SURFACE MOUNTED ELECTRIC PANELS AND EQUIPMENT IN ELECTRICAL ROOMS PER NFPA & LOCAL FIRE MARSHALL REQUIREMENTS.

54. PROVIDE SHOP DRAWINGS WITH HYDRAULIC CALCULATIONS FOR REVIEW TO LOCAL FIRE

55. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

MARSHALL AND INSURANCE UNDERWRITER AND ENGINEER FOR APPROVAL PRIOR TO

56. ALL FIRE PROTECTION EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE).

## SHOP DWGS/EQUIPMENT

SUBMITTALS

THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL ITEMS FOR

REVIEW/APPROVAL BY NO MORE THAN 3 WEEKS AFTER THE CONTRACTOR'S

CONTRACT/BID HAS BEEN AWARDED. ALL SUBMITTALS MUST BE SENT TOGETHER AS A SINGLE PACKAGE WITH MANUFACTURER'S SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET. IF THE SUBMITTAL PACKAGE IS FOUND TO BE INCOMPLETE UPON RECEIPT, THE PACKAGE WILL BE HELD AND WILL NOT BE REVIEWED UNTIL THE REMAINDER OF THE PACKAGE IS RECEIVED. ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL NOT PURCHASE OR INSTALL ANY EQUIPMENT UNTIL WRITTEN ACCEPTANCE IS

NOTE: REFER TO SPECIFICATIONS FOR FURTHER SHOW DRAWING REQUIREMENTS. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

OBTAINED FROM THE ENGINEER.

### **SCOPE OF WORK:**

THE INSTALLATION OF NEW WET FS SYSTEM.

 PROPOSED FIRE SPRINKLER HEAD LOCATIONS AND PIPING ARE AS NOTED ON PLANS. EXACT PIPING FROM THE FIRE SPRINKLER MAIN TO ALL HEADS IS

SUBMITTED TO THE ENGINEER FOR APPROVAL.

NEEDED, PRIOR TO SUBMISSION OF BID.

NOTE: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF THIS PROJECT. F.S.C. IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF

TO BE COORDINATED AND HYDRAULICALLY CALCULATED BY THE F.S.C. &

## **DOB DISCLAIMER NOTE:**

\*THIS PLAN APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



TOWN OF WAYLAND

WAYLAND SENIOR CENTER 8 ANDREW AVENUE. WAYLAND, MA 01778



A LiRo Group Company

ARCHITECTURE BOSTON

529 MAIN STREET, SUITE 3303

BOSTON, MA 02129

INTERIOR DESIGN

TEL. 617.723.7100

FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400

CONSULTANT:

ISSUE/REVISION:

NO: DATE: DESCRIPTION:

DRAWING TITLE:
FIRE PROTECTION NOTES,

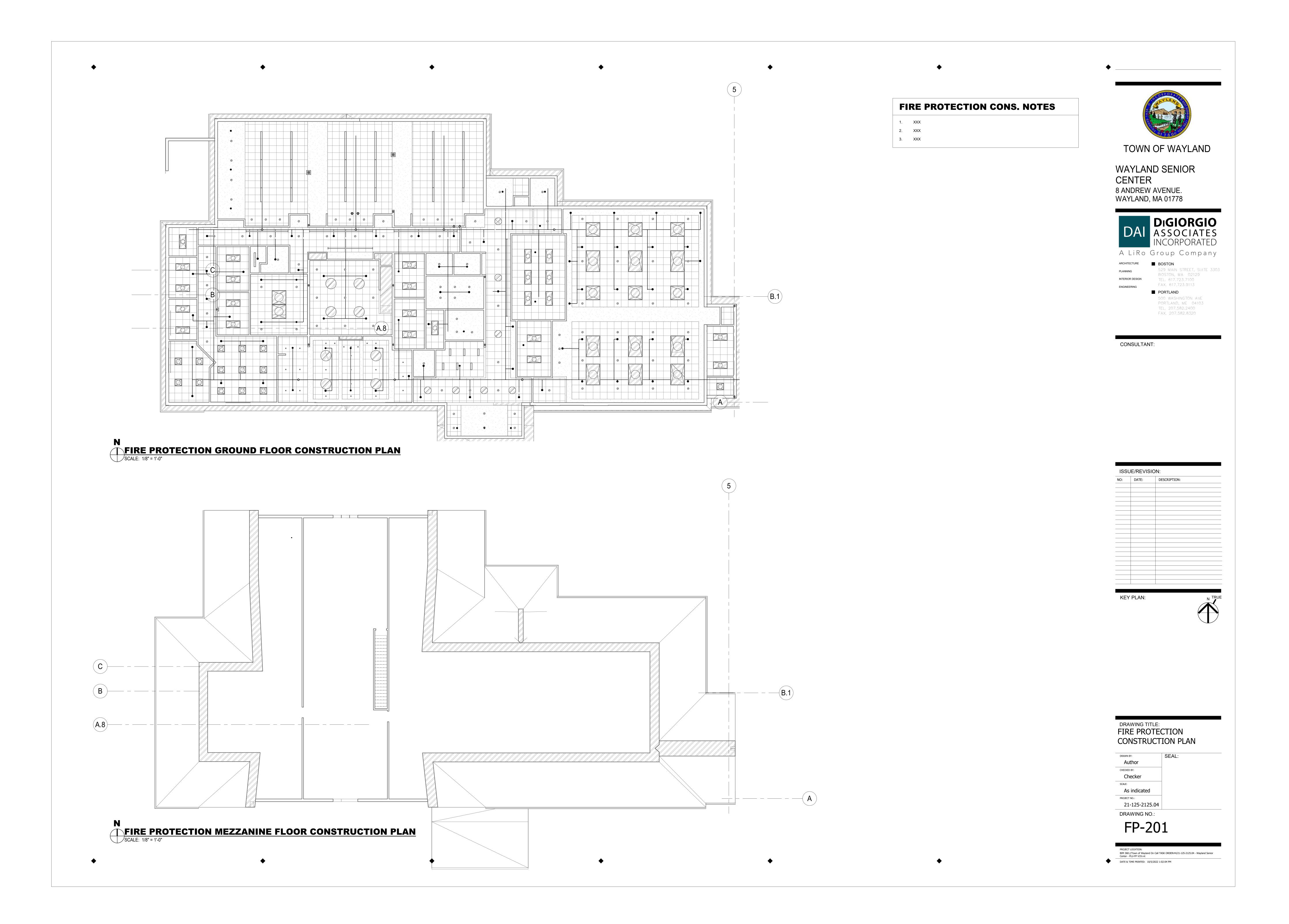
SEAL:

FP-001

DRAWING NO.:

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior
Center - PLU-FP V19.rvt

DATE & TIME PRINTED: 10/5/2022 1:02:00 PM



### **HVAC DEMOLITION NOTES**

- THE EXISTING SYSTEMS AND EQUIPMENT, AS DOCUMENTED WITHIN THIS DRAWING PACKAGE, ARE BASED UPON AVAILABLE RECORD DRAWINGS AND/OR LIMITED FIELD OBSERVATION BY THE ENGINEER(S). CONTRACTOR SHALL BE ADVISED THAT ACTUAL EXISTING CONDITIONS MAY DIFFER FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INCLUDE IN HIS BID A REASONABLE ALLOWANCE FOR ACCOMMODATING UNFORESEEN CONDITIONS IN THE FIELD AT NO ADDITIONAL COST TO THE OWNER. ALLOWANCE SHALL BE ALIGNED WITH FIELD CONDITIONS OBSERVED BY CONTRACTOR PRIOR
- CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING FINAL PRICING. DURING VISIT, CAREFULLY EXAMINE SITE TO IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK OF THIS SECTION. NO EXTRA PAYMENT WILL BE ALLOWED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY AN EXPERIENCED OBSERVER. SITE VISIT IS PARTICULARLY CRITICAL WHEN DOING RENOVATION WORK. PROVIDE ADVANCED NOTICE AND OBTAIN APPROVAL FROM OWNER'S FACILITY PERSONNEL A MINIMUM OF TWO WEEKS PRIOR TO ANY SHUT-DOWN OF SERVICES OR DISRUPTION TO OCCUPANTS USE OF THE BUILDING. CRITICAL BUILDING SERVICES MAY REQUIRE ADDITIONAL ADVANCED NOTICE TIME.
- CONSTRUCTION SCHEDULE SLIP DUE TO LACK OF UNDERSTANDING OF BUILDING OWNER'S SHUTDOWN PROCEDURES ARE NOT ACCEPTABLE. CONTRACTOR SHALL TAKE CARE DURING THE DEMOLITION OF INDICATED SYSTEMS, AS NOT TO DAMAGE OR INTERRUPT ADJACENT BUILDING SYSTEMS AND SERVICES TO REMAIN. DAMAGE TO EXISTING SYSTEMS AND EQUIPMENT CAUSED BY THIS CONTRACTOR DURING DEMOLITION OF THEIR SCOPE OF WORK SHALL BE REPAIRED AND/OR REPLACED AT THIS CONTRACTOR'S EXPENSE.

COORDINATION DEMOLITION WORK WITH OTHER TRADES SO THAT COMPONENTS ARE DISCONNECTED

- AND REMOVED PROPERLY AND IN A SAFE MANNER. THIS DRAWING SHALL BE CONSIDERED DIAGRAMMATIC AND DOES NOT INDICATE THE FULL EXTENT OF DUCTWORK, PIPING, AND ANCILLARY COMPONENTS TO BE REMOVED. EQUIPMENT AND SYSTEMS INDICATED FOR DEMOLITION SHALL INCLUDE ALL CONNECTED DUCTWORK, PIPING, CONTROLS, ELECTRICAL CONDUITS AND DISCONNECTS, LOW VOLTAGE WIRING, SUPPORTS/ATTACHMENTS, AND ANY OTHER ASSOCIATED ANCILLARY DEVICES SHOWN OR NOT SHOWN AS REQUIRED TO COMPLETE THE INTENTION OF THE DEMOLITION WORK OF THIS CONTRACT. COORDINATE REMOVAL OF ELECTRICAL POWER FEEDS WITH ELECTRICAL CONTRACTOR FOR PROPER REMOVAL AND RELABELING AT POWER
- EQUIPMENT INDICATED FOR DEMOLITION WITH REFRIGERANT SHALL BE EVACUATED. COLLECTED. AND RETURNED TO EPA LICENSED REFRIGERANT RECLAIM FACILITY IN ACCORDANCE WITH EPA GUIDELINES. CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF MECHANICAL EQUIPMENT AND MATERIAL RELATING TO THEIR RESPECTIVE TRADE.
- THE CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE, ADJUST, ADAPT AND MODIFY EXISTING EQUIPMENT AND/OR SYSTEMS AS REQUIRED WHEN SUCH WORK IS UNCOVERED AND FOUND TO
- INTERFERE WITH COMPLETION OF WORK IN THIS CONTRACT OR OTHER CONTRACT WORK. 0. EXECUTE THE DEMOLITION IN CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC, EGRESS OR THE FUNCTIONING OF THE EXISTING BUILDING.
- . TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING BY WETTING DEMOLISHED DEBRIS. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED. . PRIOR TO DEMOLITION, CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED. SHOULD THE OWNER WANT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED
- FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER. 3. DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. 4. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT
- FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER. 15. DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM
- IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED SAFETY. 6. REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE
- TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES. 7. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT
- ENDANGER OTHER WORK. 3. PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE
- AND WEATHER PROTECTIVE REASONS. 19. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE
- 20. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.
- . USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. 2. ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE
- ARCHITECT/ENGINEER FOR DIRECTIONS. 23. CONTRACTOR SHALL ESTABLISH A PATH OF TRAVEL AND TIME SCHEDULE FOR THE REMOVAL OF ALL DEBRIS AND WASTE, AND HAVE THIS APPROVED BY OWNER. CONTRACTOR IS TO ENSURE THAT ALL CORRIDORS AND PUBLIC AREAS BE KEPT FREE OF OBSTRUCTIONS, DEBRIS, AND ARE TO BE BROOM SWEPT CLEAN AT ALL TIMES.

PROPERLY, HE SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE

### **HVAC GENERAL NOTES**

**ABBREVIATIONS:** 

AUTOMATIC AIR VENT

ACC AIR COOLED CONDENSER

ACV AUTOMATIC CONTROL VALVE

ACU AIR CONDENSING UNIT

ACCESS DOOR ACID EXHAUST

AFF ABOVE FINISHED FLOOR

AUTOMATIC TEMPERATURE CON

AHU AIR HANDLING UNIT

AIR VENT

BOILER

BOD BOTTOM OF DUCT

BOP BOTTOM OF PIPE

CHILLER

CONT CONTINUATION

COPPER

DIAMETER

DOWN IN WALL

DOWN

DWG DRAWING

DOWN IN CHASE

DWH DOMESTIC WATER HEATER

EXISTING TO REMAIN

EXHAUST REGISTER

EXISTING IN NEW LOCATION

EXHAUST AIR

EXHAUST FAN

EXHAUST GRILLE

**ENCLOSURE** 

ETR EXISTING TO REMAIN

FBO FURNISHED BY OWNER

FIRE DAMPER

FIBERGLASS

FLOAT OVAL

HOSE BIB

HTR HEATER

HEAT PUMP

HUMIDIFIER

LINED DUCT LSD LINEAR SLOT DIFFUSER

MAU MAKE UP AIR UNIT

MFR MANUFACTURER

MPV MULTI-PURPOSE VALVE

MAX MAXIMUM MBH 1000 BTU/HR

MIN MINIMUM

MTD MOUNTED

MUA MAKE UP AID

NEW NTS NOT TO SCALE

OUTSIDE AIR

OED OPEN ENDED DUCT

RETURN AIR

RETURN FAN

REHEAT COIL

ROOM

RETURN GRILLE

RADIANT HEATING PANEL

EXISTING TO BE REPLACED

RETURN REGISTER

RVD REMOTE VOLUME DAMPER

RELIEF VALVE

SUPPLY AIR

SUPPLY FAN

SMOKE DETECTOR

SUPPLY GRILLE

SUPPLY REGISTER

STAINLESS STEEL

THERMOSTAT TRANSFER GRILLE

TOP OF DUCT

TOP OF PIPE

UNIT HEATER

VARIABLE AIR VOLUME BOX

VCFF VALVED AND CAPPED FOR FUTURE

MANUAL VOLUME DAMPER

THE ABBREVIATIONS ARE SHOWN FOR GENERAL

THIS LIST DOES NOT IMPLY ITS USE ON THIS PROJECT.

VACUUM BREAKER

UP IN CHASE

TTS TIGHT TO STEEL TYPICAL

VIF VERIFY IN FIELD

W/ WITH

VTR VENT THRU ROOF

WEG WALL EXHAUST GRILLE

WSG WALL SUPPLY GRILLE

WRG WALL RETURN GRILLE

WMS WIRE MESH SCREEN

UIW UP IN WALL

FACE AND BYPASS

F & T FLOAT AND THERMOSTSATIC

FLOW SWITCH

FLEXIBLE CONNECTION

FINNED TUBE RADIATION

GENERAL CONTRACTOR

GALLONS PER MINUTE

HEAT RECOVERY UNIT

EXISTING IN NEW LOCATION

MOTOR OPERATED DAMPER MECHANICAL ENGINEER

OBVD OPPOSED BLADE VOLUME DAMPER

PRESSURE REDUCING STATION

EXISTING TO BE DICONNECTED AND REMOVED

EXISTING TO BE DICONNECTED AND RELOCATED

PPE PRE PURCHASED EQUIPMENT

PRV PRESSURE REDUCING VALE

COMBINATION FIRE/SMOKE DAMP

EX EXHAUST FAN

COORD COORDINATE

CLG CEILING

CO CLEAN OUT

BLDG BUILDING

BASEBOARD

BDD BACKDRAFT DAMPER

BTU BRITISH THERMAL UNIT

CFF CAPPED FOR FUTURE

CBD COUNTER BALANCED DAMPER

CONDENSATE PUMP & RECEIVER

CRAC COMPUTER ROOM AIR CONDITIO

CONNECT TO EXISTING

CABINET UNIT HEATER

COOLING TOWER

CONTROL VALVE

DOUBLE CONTAINED

DIRECT DIGITAL CONTROL

CEILING DIFFUSER

CFM CUBIC FEET PER MINUTE

- ALL WORK AND MATERIALS SHALL BE PURCHASED AND INSTALLED IN ACCORDANCE WITH ALL NATIONAL & MASSACHUSETTS STATE CODES AND REGULATIONS (AS WELL AS ALL APPLICABLE LOCAL CODES & REGULATIONS). THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL HVAC WORK IS PROVIDED AND INSTALLED IN STRICT ACCORDANCE WITH SEISMIC REQUIREMENTS.
- DO NOT SCALE FROM THESE DRAWINGS.

SHOP DRAWING PROCESS.

- THE EXACT MOUNTING HEIGHTS AND LOCATIONS OF ALL HVAC EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OTHER MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ARCHITECTURAL AND STRUCTURAL SYSTEMS. DURING SHOP DRAWINGS SUBMISSIONS, SHOW ALL MOUNTING HEIGHTS OF DUCTWORK, UNITS, ETC.
- THE FINISH AND COLOR OF THE AIR DEVICES, AND ALL OTHER EXPOSED HVAC EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECT.
- VERIFY ALL EQUIPMENT VOLTAGES PRIOR TO ORDERING EQUIPMENT.
- PROVIDE PHASE LOSS PROTECTION FOR ALL POLY-PHASE MOTOR DEVICES.
- THE FINAL LOCATION OF AIR DEVICES MUST BE COORDINATED WITH THE REFLECTED CEILING PLAN AND ALL OTHER MECHANICAL, ELECTRICAL, SPRINKLER, ARCHITECTURAL, AND STRUCTURAL SYSTEMS.
- DUCT SIZES MUST BE VERIFIED FOR CLEARANCES AT THE JOB SITE PRIOR TO FABRICATION. DIMENSIONS MAY BE CHANGED TO ACCOMMODATE CONSTRUCTION AS LONG AS EFFECTIVE CROSS-SECTIONAL AREA IS MAINTAINED. DUCT TRANSITIONS SHALL BE CONSTRUCTED WITH A SLOPE OF 1" TO 4". ALL DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE REVIEWED BY ENGINEER DURING THE
- PROVIDE MANUAL BALANCING DAMPERS AS REQUIRED TO PROPERLY BALANCE EACH INDIVIDUAL AIR DISTRIBUTION SYSTEM. IF THE LOCATION OF THE BALANCING DAMPER IS NOT DEFINED ON THE DRAWINGS, THE FOLLOWING MINIMUMS STANDARDS SHALL GOVERN. ALL SUPPLY, RETURN, AND EXHAUST MAIN BRANCHES FROM TRUNKS, EACH SPLIT AND ALL SUB- BRANCHES FROM MAIN SHALL INCORPORATE BALANCING DAMPERS.
- PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTORS SHALL BE INSTALLED IN CLOSE PROXIMITY TO SUCH EQUIPMENT.
- . PROVIDE FIRE DAMPERS WITH RATED ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS, SMOKE AND FIRE STOPPING, SHAFT, FLOORS, RATED CEILINGS AND PARTITIONS AS REQUIRED TO MAINTAIN ARCHITECTURAL FIRE RATINGS. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR LOCATIONS AND FIRE RATING REQUIREMENTS. MC MUST FULLY REVIEW ALL ARCHITECTURAL AND ENGINEERING DRAWINGS AND VISIT THE SITE PRIOR TO SUBMITTING THE BID. NO EXTRAS WILL BE ALLOWED.
- . ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE HVAC CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED HVAC EQUIPMENT, VALVES AND OTHER RELATED EQUIPMENT. THE HVAC CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
- . ALL WALL AND ROOF OPENINGS 12" X 12" OR LARGER ARE TO BE EQUIPPED WITH BURGLAR BARS USING 5/8" DIAMETER RODS RUNNING 12" ON CENTER IN BOTH DIRECTIONS AND WELDED AT ALL INTERSECTING POINTS. SECURE THE PERIMETER FRAME ASSEMBLY TO THE WALL OR ROOF FRAMED OPENING.
- 4. ALL CEILING MOUNTED EQUIPMENT MUST BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH COMBINATION SPRING AND NEOPRENE-IN-SHEAR HANGERS AND ROD. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT THE LOAD.
- 15. IF APPLICABLE, ROOFTOP HVAC EQUIPMENT SHALL BE MOUNTED ON ROOF CURBS, LEVEL AND SUFFICIENTLY AWAY FROM EDGE OF ROOF (MIN. 10'-0"). ALL EXPOSED DUCTWORK PENETRATIONS MUST BE PROPERLY FLASHED TO ALLOW FOR A WEATHER TIGHT SEAL. IN ADDITION, ADEQUATE CLEARANCES SHALL BE PROVIDED FOR CLEANING AND MAINTENANCE REQUIREMENTS. THE FINAL LOCATION OF ALL ROOFTOP UNITS MUST ALSO COMPLY WITH ALL OSHA SAFETY REQUIREMENTS. SUBMIT THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW AND APPROVAL:(A) DUCTWORK ROOF PENETRATION FLASHING MATERIAL/METHODS, AND (B) EXACT STRUCTURAL FASTENING MATERIALS, METHODS, LOCATIONS TO PROPERLY SECURE THE ROOF-TOP EQUIPMENT TO THE STEEL
- 16. CONTRACTOR IS TO PROVIDE & INSTALL 120V SMOKE DETECTORS WITH AUXILIARY CONTACTS. UPON ACTIVATION THE SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEMS AND ACTIVATE A VISIBLE AND AUDIBLE SUPERVISOR SIGNAL AT A CONSTANTLY ATTENDED LOCATION IN ACCORDANCE WITH NFPA 90A & 90B. THE M.C. IS RESPONSIBLE FOR WIRING BETWEEN THE FAN SHUTDOWN RELAY AND THE HVAC UNIT.
- . RIGGING OF NEW EQUIPMENT TO BE SCHEDULED/COORDINATED WITH OWNER REP. COORDINATE RIGGING WITH ANY REQUIREMENT MANDATED BY THE LOCAL BUILDING DEPARTMENT AND/OR ANY OTHER AGENCIES INCLUDING SUCH PERMITS, FEES, ETC.
- 8. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.
- 9. ALL MECHANICAL EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE). PADS ARE TO BE FURNISHED BY
- D. CONTRACTOR TO LOCATE DIFFUSERS AND REGISTERS ON THE ARCHITECTURAL REFLECTED CEILING PLAN AND LAYOUT DUCT DISTRIBUTION ACCORDINGLY.

S.		IIVAO AIN DI	O I I II I I I I I I I I I I I I I I I	ON AND GENERA	L OTHIBOLO
	<u>IDENTIFIER</u>	DESCRIPTION	<u>IDENTIFIER</u>	DESCRIPTION	SINGLE LINE DOUBLE LINE
		SPIRAL DUCTWORK WITH 1" ACOUSTICAL LINING HARD DUCT CONNECTION TO ROUND DIFFUSER DUCTWORK TO BE PAINTED TO COLOR SPECIFIED BY ARCHITECT		FLAT, PLEATED FILTER	W R
OL	\$ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NEW DUCTWORK OR PIPING EXISTING DUCTWORK OR PIPING TO BE REMOVED EXISTING DUCTWORK OR		CARTRIDGE FILTER	ELBOW MAY TRANSITION IN "W" DIMENSION ONLY
	24X12	PIPING TO REMAIN  HEAT TRACE PIPE  DOUBLE-LINE AND SINGLE-LINE RECTANGULAR DUCT, FIRST NUMBER INDICATES SIDE IN VIEW		HUMIDFIER	SUPPLY, RETURN OR EXHAUST ROUND ELBOW  SINGLE THICKNESS TURNING VANES
	\$ 24X12 \$	IN INCHES, SECOND NUMBER INDICATES SIDE IN DEPTH IN INCHES	PH	COIL - PREHEAT	WxH
	<u>24ø</u> <u>}</u> <u>12ø</u> <u> </u>	DOUBLE-LINE AND SINGLE-LINE ROUND DUCT, NUMBER INDICATES DIAMETER IN INCHES	C	COIL - COOLING	SUPPLY, RETURN OR EXHAUST SQUARE ELBOW  45 45
		FLEXIBLE DUCTWORK	<u> </u>		VD V
		REGULAR SUPPLY AIR DUCT (UP AND DOWN)		COIL - HEATING	
		REGULAR RETURN AIR DUCT (UP AND DOWN)			SUPPLY, RETURN OR EXHAUST DUCT BRANCH
		REGULAR EXHAUST AIR DUCT (UP AND DOWN)		ELECTRIC HEATER	
		REGULAR OUTSIDE AIR DUCT (UP AND DOWN)	XX YY	AVERAGING DEVICE XX-DEVICE TYPE YY - SIGNAL TYPE	SUPPLY DUCT SPLIT
		ROUND SUPPLY AIR DUCT (UP AND DOWN)	\(\frac{\dagger}{\tau}\)	PUMP	BT=BOTTOM THROAT TT=TOP THROAT R=W BT=
		ROUND RETURN AIR DUCT (UP AND DOWN)		VARIABLE FREQUENCY DRIVE	TT= PLAN  ELBOW MAY TRANSITION 441 IN "W" DIM. ONLY
		ROUND EXHAUST AIR DUCT (UP AND DOWN)	φ <b>-</b> Πφ	SPLIT-CASE PUMP	SUPPLY DUCT SPLIT  —KEY OPERATED
		ROUND OUTSIDE AIR DUCT (UP AND DOWN)		END-SUCTION PUMP	EXTRACTOR  V45 4  OPPOSED
	<del>(((((((((((((((((((((((((((((((((((((</del>	INSULATED FLEXIBLE DUCT	<del></del>	INLINE PUMP	BLADE  VOLUME  DAMPER
	— VD — — — BD	VOLUME DAMPER BACKDRAFT DAMPER	XXX	EQUIPMENT TAG EQUIPMENT NUMBER	SUPPLY REGISTER CONNECTION
	——— FD/AD ———SD/AD	FIRE DAMPER AND ACCESS DOOR SMOKE DAMPER AND ACCESS DOOR	XXX X-XXX	DETAIL TAG/CALL OUT TAG MECHANICAL SHEET NUMBER	KEY OPERATED EXTRACTOR
	<u>****</u> ( <b>\(\S</b> )	MOTOR OPERATED DAMPER	#	KEYED NOTE	OPPOSED  BLADE  VOLUME  DAMPER
	M	CONTROL DAMPER		TO BE DEMOLISHED	SUPPLY DIFFUSER CONNECTION  1/2 NECK SIZE
		FAN - CENTRIFUGAL	NIC	AREA NOT IN CONTRACT	Will v. 0"
		AIRFLOW MEASURING STATION	• • • •	FIELD CONNECT FIELD DISCONNECT DIFFERENTIAL PRESSURE SENSOR	KEY OPERATED EXTRACTOR
		4 WAY CEILING DIFFUSER		SUPPLY AIR FLOW	SUPPLY DIFFUSER AT END OF DUCT RUN
	<b>→</b>	3 WAY CEILING DIFFUSER	<b>-</b> √ <b>-</b>	EXHAUST AIR	
		2 WAY CEILING DIFFUSER	G type — <del>V ►</del>	GAS SENSOR (INDICATE TYPE) UNDERCUT DOOR	OPPOSED BLADE
	<b>→</b>	2 WAY CEILING DIFFUSER	T	THERMOSTAT	VOLUME DAMPER  RETURN REGISTER AT END OF DUCT RUN
		EXHAUST FAN	DSD TS	DUCT SMOKE DETECTOR TEMPERATURE SENSOR	RETURN REGISTER AT END OF DUCT RUN
		EXHAUST GRILLE	TC	ELECTRONIC TIMECLOCK	NOTES:  1. DIFFUSERS, REGISTERS, GRILLES AND DUCT SIZES ARE SHOWN ON FLOOR PLANS OR IN
		RETURN GRILLE/REGISTER	(0)	CARBON MONOXIDE DETECTOR	SIZES ARE SHOWN ON FLOOR PLANS OR IN SCHEDULES
	$\otimes$	SUPPLY DIFFUSER - ROUND	NO	NITRIC OXIDE DETECTOR	<ol> <li>DUCT SIZES ARE GIVEN AS INTERNAL DIMENSIONS. INTERNALLY LINED DUCTS SHALL</li> </ol>
	$\bigcirc$	RETURN DIFFUSER - ROUND	<u>-</u>		BE INCREASED IN SIZE TO MAINTAIN THE SAME INTERNAL SIZE.

SIDEWALL GRILLE

HVAC AIR DISTRIBUTION AND GENERAL SYMBOLS

### **SCOPE OF WORK:**

- I. DEMOLITION OF ALL EXISTING MECHANICAL EQUIPMENT AND DUCTWORK 2. INSTALLATION OF NEW VRF SYSTEM
- B. INSTALLATION OF NEW ERV 4. INSTALLATION OF NEW DUCTWORK
- 5. INSTALLATION OF NEW REFRIGERANT PIPING 6. ASSOCIATED CONTROLS
- <u>E</u>: THIS SCOPE OF WORK DESCRIPTION IS PROVIDED TO GIVE AN OVERALL "MACRO" DESCRIPTION OF IIS PROJECT. CONTRACTOR IS RESPONSIBLE TO REVIEW ALL ENGINEERING AND ARCHITECTURAL DRAWINGS AND VISIT THE SITE IF NEEDED, PRIOR TO SUBMISSION OF BID. REFER TO SPECIFICATIONS FOR FURTHER SCOPE OF WORK, IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

### CODE REFERENCE

- a. 2015 INTERNATIONAL BUILDING CODE WITH MODIFICATIONS
- b. 2015 INTERNATIONAL EXISTING BUILDING CODE WITH MODIFICATIONS 2. 2015 INTERNATIONAL MECHANICAL CODE WITH MODIFICATIONS
- d. 2018 INTERNATIONAL ENERGY CONSERVATION CODE WITH MODIFICATIONS. 2016 NFPA 70 - NATIONAL ELECTRIC CODE
- 2016 NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS

#### EXHAUST DIFFUSER - ROUND **HVAC PIPING SYSTEMS** <u>IDENTIFIER</u> DESCRIPTION EXISTING PIPING TO BE REMOVED – —(<del>R)</del> -EXISTING PIPING TO REMAIN CONDENSATE DRAIN CHILLED WATER SUPPLY CHILLED WATER RETURN CONDENSER WATER SUPPLY CONDENSER WATER RETURN DISTRIBUTION VALVE BOX EXISTING DOMESTIC COLD WATER NEW DOMESTIC COLD WATER DISTRIBUTION VALVE BOX FREE COOLING SUPPLY FREE COOLING RETURN FUEL OIL SUPPLY FUEL OIL RETURN - - <del>-</del> - - - -FUEL OIL VENT GRAVITY STEAM CONDENSATE RETURN GLYCOL SUPPLY GLYCOL RETURN HOT/CHILLED WATER RETURN HOT/CHILLED WATER SUPPLY HIGH PRESSURE STEAM HIGH PRESSURE CONDENSATE RETURN HOT WATER SUPPLY HOT WATER RETURN LOW PRESSURE STEAM LOW PRESSURE RETURN MEDIUM PRESSURE STEAM MEDIUM PRESSURE RETURN NON POTABLE COLD WATER PROCESS COOLING WATER SUPPLY PCWS PROCESS COOLING WATER RETURN PUMP STEAM CONDENSATE PUMP DISCHARGE POTABLE WATER RELIEF LINE REFRIGERANT LIQUID REFRIGERANT SUCTION TEMPERED CHILLED WATER SUPPLY REFERENCE ONLY. THE PRESENCE OF AN ABBREVIATION ON TEMPERED CHILLED WATER RETURN REFER TO DRAWINGS FOR SPECIFIC ABBREVIATIONS USED. ZONE VALVE BOX

PIPING ELBOW TURNED DOWN PIPING ELBOW TURNED UP PIPING CONNECTION PIPE OFFSET PIPE TEE-DOWN PIPE TEE-UP PIPE RISER FIXTURE STOP P-TRAP GATE VALVE GATE VALVE W/ HOSE END CONNECTION OS & Y GATE VAVLE BALL VALVE BUTTERFLY VALVE 2-WAY CONTROL VALVE		PRESSURE GAUGE W/ DEMAND CHECK PRESSURE GAUGE W/ GAUGE COCK CONCENTRIC REDUCER ECCENTRIC REDUCER PIPE CAP SHOCK ARRESTOR HOSE CONNECTION THERMOMETER IN PIPE WELL FLOOR CLEANOUT CLEANOUT
3-WAY CONTROL VALVE PIPE UNION BALANCING VALVE CHECK VALVE BACKFLOW PREVENTER PLUG VALVE PLUG VALVE PRESSURE REGULATING VALVE CONTROL VALVE W/ TAMPER SWITCH WATER REDUCING VALVE FUSIBLE LINK VALVE	H 4 WH	WALL CLEANOUT FLEXIBLE PIPE CONNECTION PIPE BREAK LINE WATERTIGHT SLEEVE PIPE ANCHOR FLANGE SPOUT RAIN WATER ZURN DIRECTION OF FLOW PUMP HUMIDIFIER WALL HYDRANT FLOOR DRAIN PIPE SLOPE 1/16" PER FOOT MIN. PIPE SLOPE 1/8" PER FOOT MIN.

### TOWN OF WAYLAND

8 ANDREW AVENUE WAYLAND, MA 01778 WAYLAND SENIOR CENTER



BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 INTERIOR DESIGN TEL. 617.723.7100 FAX. 617.723.9113

> PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION: NO: DATE: DESCRIPTION: SELECTIVE INTERIOR DEMOLITION 08/31/22 10/12/22 50% CD 11/15/22 90% CD \_\_\_\_

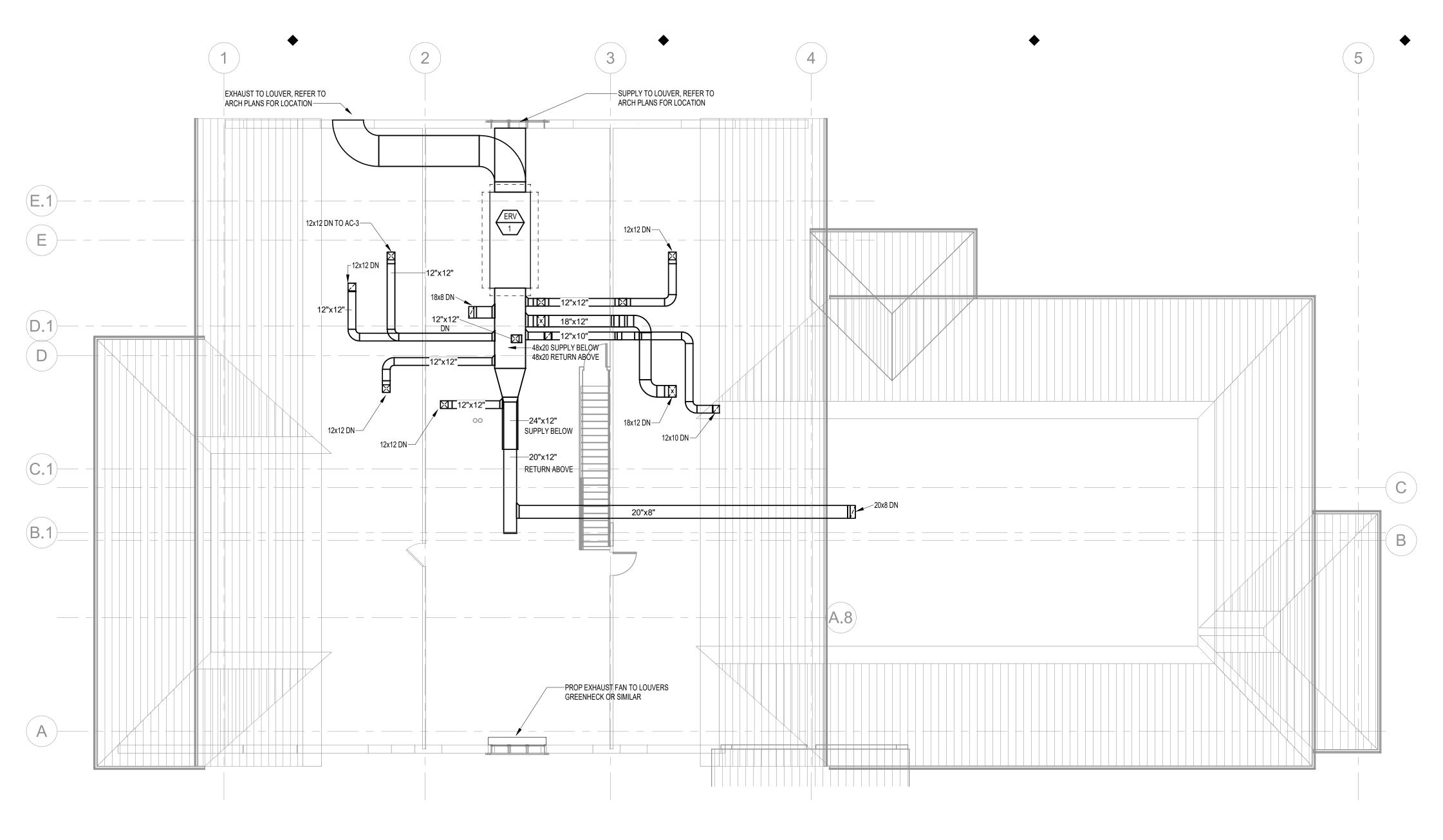
**KEY PLAN:** 



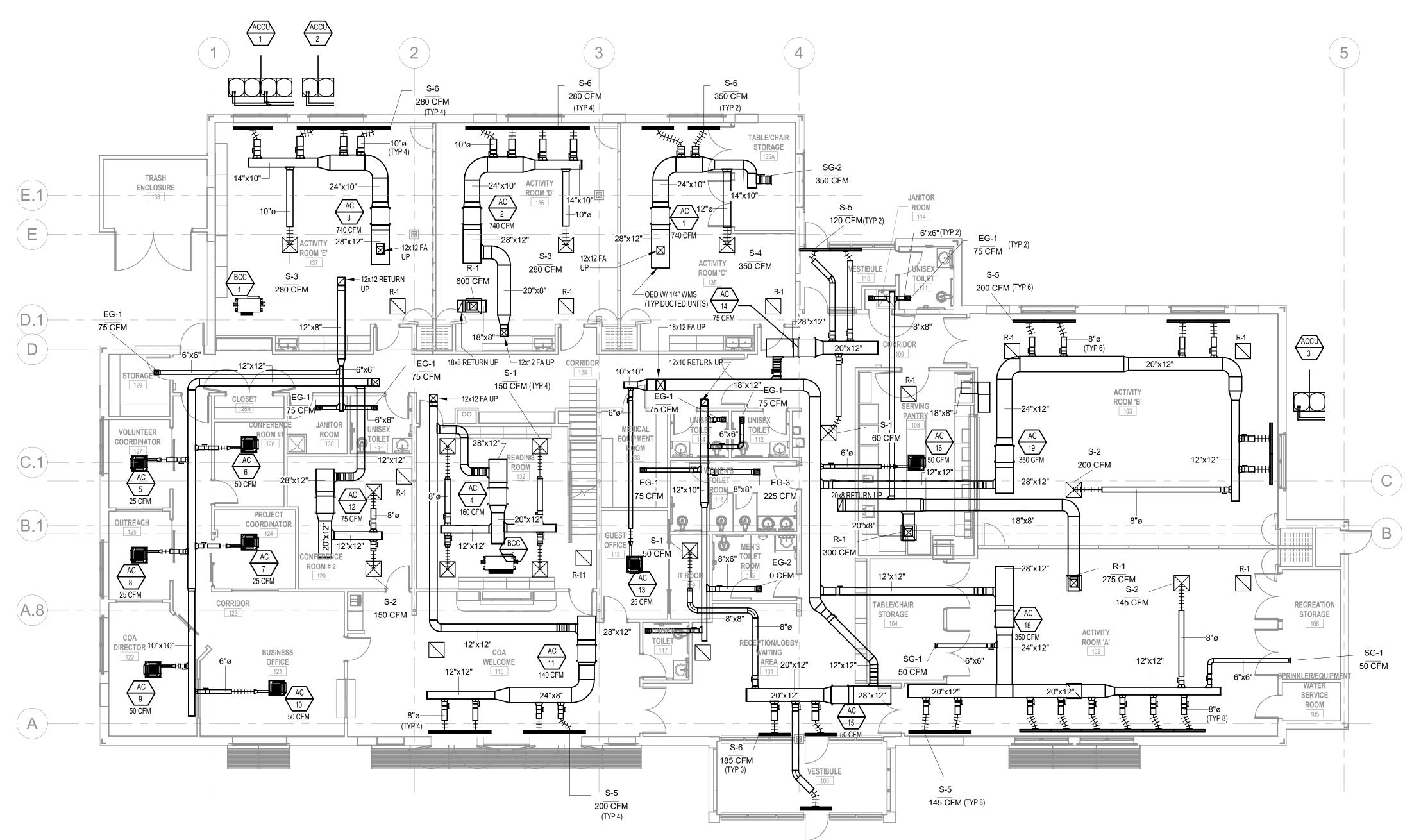
DRAWING TITLE: MECHANICAL NOTES **SYMBOLS & ABBREVIATIONS** 

DRAWN BY: AJP CHECKED BY: CMP SCALE: 1/8" = 1'-0"PROJECT NO .: 21-125-2125.04 DRAWING NO.:

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior DATE & TIME PRINTED: 11/15/2022 7:00:05 PM



## 2 Mezzanine Ductwork Plan SCALE: 1/8" = 1'-0"



1 Level 1 Ductwork Plan

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

### **MECHANICAL NOTES**

1. ALL DUCTWORK RUN IN MEZZANINE LEVEL ABOVE 11'-0 BARRIER IS TO BE INSULATED WITH MINIMUM R-12 INSTALLED INSULATION.

## TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778 WAYLAND SENIOR CENTER



A LiRo Group Company

ARCHITECTURE
PLANNING
INTERIOR DESIGN

■ BOSTON

529 MAIN STREET, SUITE 3303

BOSTON, MA 02129

TEL. 617.723.7100

FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

ISS	UE/REVIS	ION:	
NO:	DATE:	DESCRIPTION:	
1 2	10/12/22	50% CD	
2	11/15/22	90% CD	

KEY PLAN:

DRAWING TITLE:	
MECHANICAL FIRST FLO	OR
AND MEZZANINE PLAN	

DRAWN BY:	SEAL:
Author	
CHECKED BY:	
Checker	
SCALE:	
1/8" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

M-101

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Mech.rvt

DATE & TIME PRINTED: 11/15/2022 7:00:06 PM

							VRF	INDOOR I	JNIT SCI	HEDULE									
System Tag	Room Name	Tag Reference	Model	Туре	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F)		Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Capacity (BTU/h)	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm)	Max Fan ESP Setting 208V/230V (IN WG)	Sound Pressure	V-PH-HZ	Electrical MCA/MFS	Notes / Options
ACCU-1	ACTIVITY ROOM C	AC-1	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000.0	60,000.0	80.0/67.0	70.0	54,091.0	38,105.1	53,007.1	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-1	ACTIVITY ROOM D	AC-2	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000.0	60,000.0	80.0/67.0	70.0	54,091.0	38,105.1	53,007.1	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-1	ACTIVITY ROOM E	AC-3	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000.0	60,000.0	80.0/67.0	70.0	54,091.0	38,105.1	53,007.1	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-1	LIBRARY	AC-4	PEFY-P18NMAU-E4	Ceiling-Concealed (Ducted)	18,000.0	20,000.0	80.0/67.0	70.0	18,030.3	13,727.5	17,669.0	1/4 / 1/2	HIGH	600	0.6/0.6	29-33-37	208-1-60	2.94/15	1, 2, 3, 4
ACCU-2	VOLUNTEER COORD	AC-5	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	CONFERENCE ROOM 1	AC-6	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	PROJECT COORD	AC-7	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	OUTREACH	AC-8	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	COA DIRECTOR	AC-9	PLFY-P08NFMU-E	Ceiling-Cassette (Four-Way)	8,000.0	9,000.0	80.0/67.0	70.0	8,004.9	6,219.3	8,219.1	1/4 / 1/2	HIGH	315		26-30-33	208-1-60	0.28/0.28/15	1, 2, 3, 4
ACCU-2	BUSINESS OFFICE	AC-10	PLFY-P08NFMU-E	Ceiling-Cassette (Four-Way)	8,000.0	9,000.0	80.0/67.0	70.0	8,004.9	6,219.3	8,219.1	1/4 / 1/2	HIGH	315		26-30-33	208-1-60	0.28/0.28/15	1, 2, 3, 4
ACCU-2	COA WELCOME	AC-11	PEFY-P18NMAU-E4	Ceiling-Concealed (Ducted)	18,000.0	20,000.0	80.0/67.0	70.0	18,011.1	13,719.9	18,264.6	1/4 / 1/2	HIGH	600	0.6/0.6	29-33-37	208-1-60	2.94/15	1, 2, 3, 4
ACCU-2	CONFERENCE 2	AC-12	PEFY-P08NMAU-E4	Ceiling-Concealed (Ducted)	8,000.0	9,000.0	80.0/67.0	70.0	7,458.50	6,221.10	7,365.20	1/4 / 1/2	HIGH	300	0.6/0.6	24-28-30	208-1-60	1.75/15	1, 2, 3, 4
ACCU-2	GUEST OFFICE	AC-13	PLFY-P05NFMU-E	Ceiling-Cassette (Four-Way)	5,000.0	5,600.0	80.0/67.0	70.0	5,003.1	4,384.5	5,114.1	1/4 / 1/2	HIGH	280		26-28-30	208-1-60	0.24/0.24/15	1, 2, 3, 4
ACCU-2	VESTIBULE 1 & COORDIOR	AC-14	PEFY-P06NMAU-E4	Ceiling-Concealed (Ducted)	6,000.0	6,700.0	80.0/67.0	70.0	6,003.7	5,761.9	6,118.6	1/4 / 1/2	HIGH	300	0.6/0.6	24-28-30	208-1-60	1.75/15	1, 2, 3, 4
ACCU-2	VESTIBULE 2 & LOBBY WAITING	AC-15	PEFY-P18NMAU-E4	Ceiling-Concealed (Ducted)	18,000.0	20,000.0	80.0/67.0	70.0	18,011.1	13,719.9	18,264.6	1/4 / 1/2	HIGH	600	0.6/0.6	29-33-37	208-1-60	2.94/15	1, 2, 3, 4
ACCU-2	KITCHEN	AC-16		Ceiling-Cassette (Four-Way)	18,000.0	20,000.0	80.0/67.0	70.0	18,011.1	11,909.7	18,264.6	1/4 / 1/2	HIGH	460		33-39-43	208-1-60	0.5/0.5/15	1, 2, 3, 4
ACCU-3	ACTIVITY ROOM A	AC-18	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000	60,000	80.0/67.0	70.0	52,638.40	37,509.30	55,322.10	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4
ACCU-3	ACTIVITY ROOM B	AC-19	PEFY-P54NMAU-E4	Ceiling-Concealed (Ducted)	54,000	60,000	80.0/67.0	70.0	52,638.40	37,509.30	55,322.10	3/8 / 5/8	HIGH	1413	0.6/0.6	34-38-42	208-1-60	4.38/15	1, 2, 3, 4

Notes & Options:

1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)

2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)

3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities

4 Provide PAC-YT53CRAU Remote Controller

VRF OUTDOOR CONDENSING UNIT SCHEDULE																		
			Nominal Cooling	Nominal Heating Capacity	Cooling Efficiency	Heating COP	Nom System Connected Capacity (% of	Design Cooling Outdoor Temp	Design Heating Outdoor Temp	Corrected Cooling Total Capacity	Corrected Heating Capacity	Sound	Preliminary Added Field		Electrical-Per Mo 208/230V	odule		
System Tag	Model Number	Modules	Capacity (BTU/h)	(BTU/h)	IEER/EER	@ 47°F	NOM)	DB (°F)	WB (°F)	(BTU/h)	(BTU/h)	Pressure (dBA)		V-PH-HZ	MCA 208/230V	RFS	MOCP	Notes / Options
ACCU-1	PURY-EP192TSNU-A	P96, P96	192,000.0	215,000.0	28.55 / 13.4	3.825	93.8%	91.0	5.0	187,851.9	176,690.3	61.5/63	33.4	208-3-60	31/29, 31/29	45/45, 45/45	45/45, 45/45	1, 2, 3, 4, 5
ACCU-2	PURY-EP120TNU-A	P120	120,000.0	135,000.0	27.55 / 13.2	3.875	90.8%	91.0	5.0	117,781.6	111,140.0	60/62	28.9	208-3-60	41/38	60/60	60/60	1, 2, 3, 4, 5
ACCU-3	PUHY-EP96TNU-A	P96	96,000.0	108,000.0	30.35 / 14.7	4.215	95.8%	91.0	5.0	94,675.6	88,698.9	56/58.5	14.4	208-3-60	31/29	45/40	45/40	1, 2, 3, 4, 5
Notes & Option	s:																	
1	Nominal cooling capaci	ties are based	on indoor coil EAT of 8	30/67°F (DB/W	B), outdoor of 95°	°F (DB)												
2	Nominal heating capaci	ities are based	on indoor coil EAT of	70°F (DB), outd	oor of 43°F (WB	)												
3	Provide AE-200 touch s	screen central	controller with optional	SW-BACnet m	aster license for	BACnetIP integr	ation											
4	Mount units 18" above i	roof/grade on s	now stands with open	base – Quicksl	ing, Bigfoot, or S	imilar												
5	Provide snow hoods, ha	ail guards, and	basepan heaters															

		BRAN	ICH CIRCUIT	CONTROLLER	RSCHEDULE			
System Tag	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	V-PH-HZ	MCA	MOCP	Notes / Options
BCC-1	CMB-P108NU-JA1	Main	8	180,000.0	208-1-60	1	20	1
BCC-2	CMB-P1016NU-JA1	Main	16	109,000.0	208-1-60	1.8	20	1

								E	NER (	GY R	ECO	<b>VER</b>	Y VE	NTIL	ATC	R SC	HED	ULE									
EQUIP.	MANUFACTURE					SUPPLY FAN				SUPPL	Y SIDE			EXHAUST FAI	N			EXHAU	ST SIDE			ELECT	RICAL		OPERATING WEIGHT	UNIT DIMENSIONS	
NO.	R	MODEL	LOCATION	TOTAL CFM	CFM	T.S.P (IN. WG)	MOTOR HP	MODE	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	CFM	T.S.P (IN. WG)	MOTOR HP	MODE	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	V-PH-HZ	MCA	FLA	МОСР	WEIGHT (±LBS)	(LxWxH)	NOTES
ERV-1	SWEGON	AD-100012251772	MEZZANINE	3,600	3600	2.77	4.6	SUMMER	85	72	69.9	62.4	3300	2.78	4.6	SUMMER	65.8	58.8	82	69.3	208-3-60	52.11	41.69	60	3241	149X63X75.25	
	OWLOOM	71D 100012201172	WILZE/ WWW	0,000	0000	2.11	7.0	WINTER	0	-2.1	56.3	46.4	0000	2.70	7.0	WINTER	72	56	9.4	8.9	200 0 00	02.11	41.00		0241	1407007770.20	
NOTES:																											

			E	NEF	RGY F	RECOV	ERY	VEN	TILA	TOR	SCH	IEDULI	E CO	NT.				
						DX CC	OOLING COI	L				DX HI	EATING CO	L				
EQUIP. NO.	MANUFACTURE R	MODEL	LOCATION	TOTAL (MBH)	SENSIBLE (MBH)	REFRIGERANT	EAT (°F DB/WB)	LAT (°F DB/WB)	APD (IN WG)	MAX FACE VELOCITY (FPM)	МВН	REFRIGERANT	EAT/LAT (°F)	APD (IN WG)	MAX FACE VELOCITY (FPM)	OPERATING WEIGHT (±LBS)	UNIT DIMENSIONS (LxWxH)	NOTES
ERV-1	SWEGON	AD-100012251772	MEZZANINE	79.8	50.30	R-410A	71.1/62.9	55/54	0.194	415	134.9	R-410A	57.6/92.15	0.145	415	3241	149X63X75.25	

AG	MANUFACTURER	MODEL	SERVICE	MAX CFM	NECK SIZE (IN)	FACE SIZE (IN)	MAX PD (wg)	MAX NC	NOTES
S-1	PRICE	ASPD	SUPPLY	100	6	24x24	0.016	-	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-2	PRICE	ASPD	SUPPLY	225	8	24x24	0.057	-	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-3	PRICE	ASPD	SUPPLY	280	10	24x24	0.100	-	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-4	PRICE	ASPD	SUPPLY	350	12	24x24	0.100	24	ALUMINUM SQUARE PLAQUE DIFFUSER.
S-5	PRICE	SDS	SUPPLY	200	7	4'-0 LONG	0.150	23	LINEAR DIFFUSER WITH SDIA PLENUM, (2) 1" SLOTS
S-6	PRICE	SDS	SUPPLY	350	10	4'-0 LONG	0.080	25	LINEAR DIFFUSER WITH SDIA PLENUM, (4) 1" SLOTS
SG-1	PRICE	620L	SUPPLY	100	-	6x6	0.090	-	ALUMINUM DOUBLE DEFLECTION TYPE GRILLE. 3/4" BLADE SPACING.
SG-2	PRICE	620L	SUPPLY	350	-	12x12	0.040	-	ALUMINUM DOUBLE DEFLECTION TYPE GRILLE. 3/4" BLADE SPACING.
R-1	PRICE	ASPD	RETURN	575	12x12	24x24	0.100	19	ALUMINUM SQUARE PLAQUE DIFFUSER.
EG-1	PRICE	630	EXHAUST	100	6x6	8x8	0.044	-	ALUMINUM, 45 DEG DEFLECTION, 3/4" (13) BLADE SPACING.
EG-2	PRICE	630	EXHAUST	150	6x8	8x10	0.069	20	ALUMINUM, 45 DEG DEFLECTION, 3/4" (13) BLADE SPACING.
EG-3	PRICE	630	EXHAUST	250	8x8	10x10	0.069	20	ALUMINUM, 45 DEG DEFLECTION, 3/4" (13) BLADE SPACING.

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778 WAYLAND SENIOR CENTER



A LiRo Group Company

ARCHITECTURE
PLANNING
INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

KEY PLAN:

DRAWING TITLE:
MECHANICAL SCHEDULES

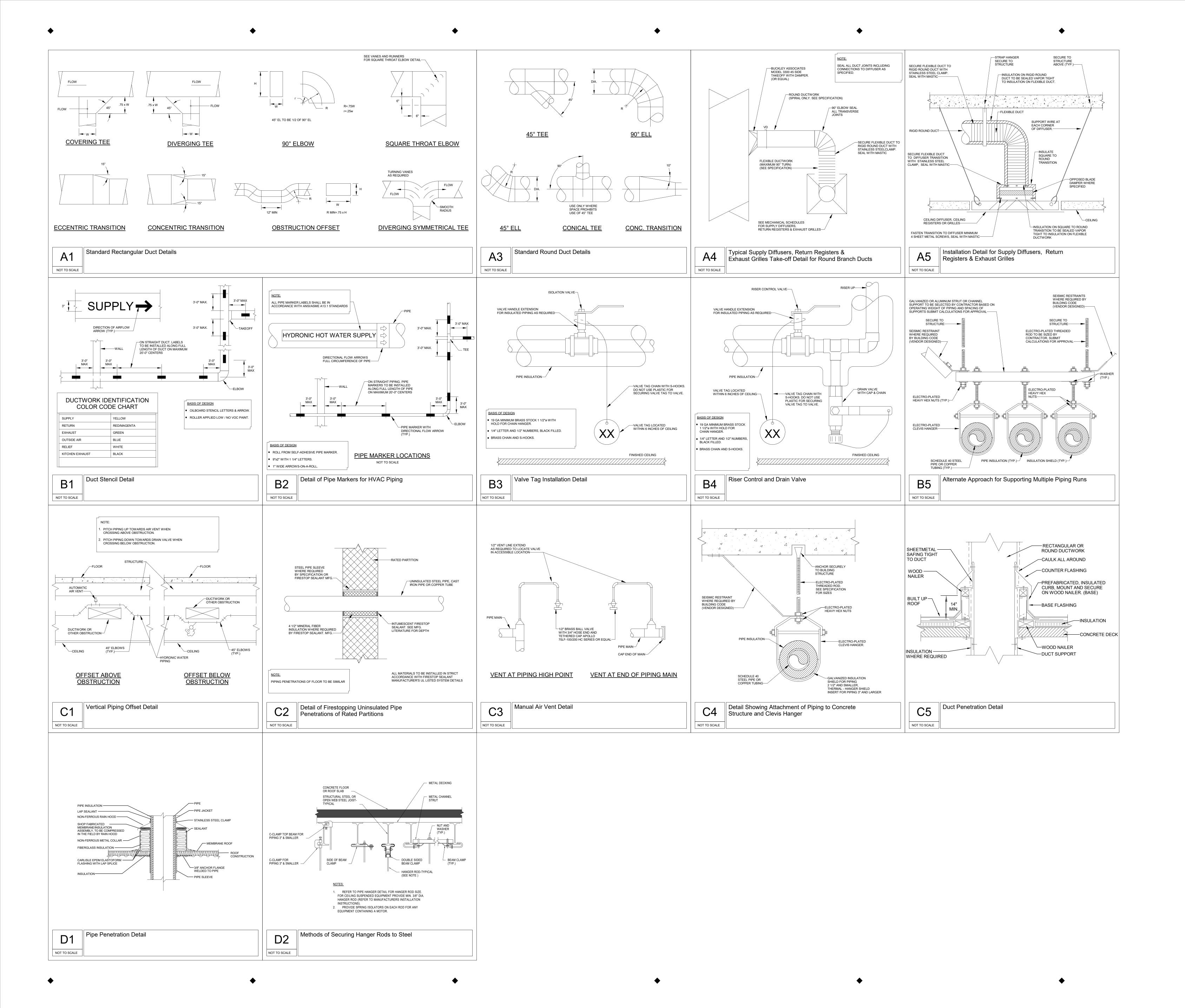
DRAWN BY:
Author
CHECKED BY:
Checker
SCALE:

PROJECT NO.: 21-125-2125.04 DRAWING NO.:

M-601

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Mech.rvt

DATE & TIME PRINTED: 11/15/2022 7:00:10 PM



8 ANDREW AVENUE. WAYLAND, MA 01778 WAYLAND SENIOR CENTER



LIKO Group

ECTURE BOSTON

ARCHITECTURE

PLANNING

INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

KEY PLAN:

DRAWING TITLE:

MECHANICAL DETAILS

DRAWN BY:
AJP
CHECKED BY:
CMP
SCALE:
NOT TO SCALE
PROJECT NO.:
21-125-2125.04

DRAWING NO.:

M-801

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Mech.rvt

DATE & TIME PRINTED: 11/15/2022 7:00:15 PM

8 ANDREW AVENUE. WAYLAND, MA 01778

WAYLAND SENIOR CENTER



ITECTURE BOSTON

PLANNING
INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

■ PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

NO:	DATE:	DESCRIPTION:
1	11/15/22	90% CD
		_
		+

KEY PLAN:



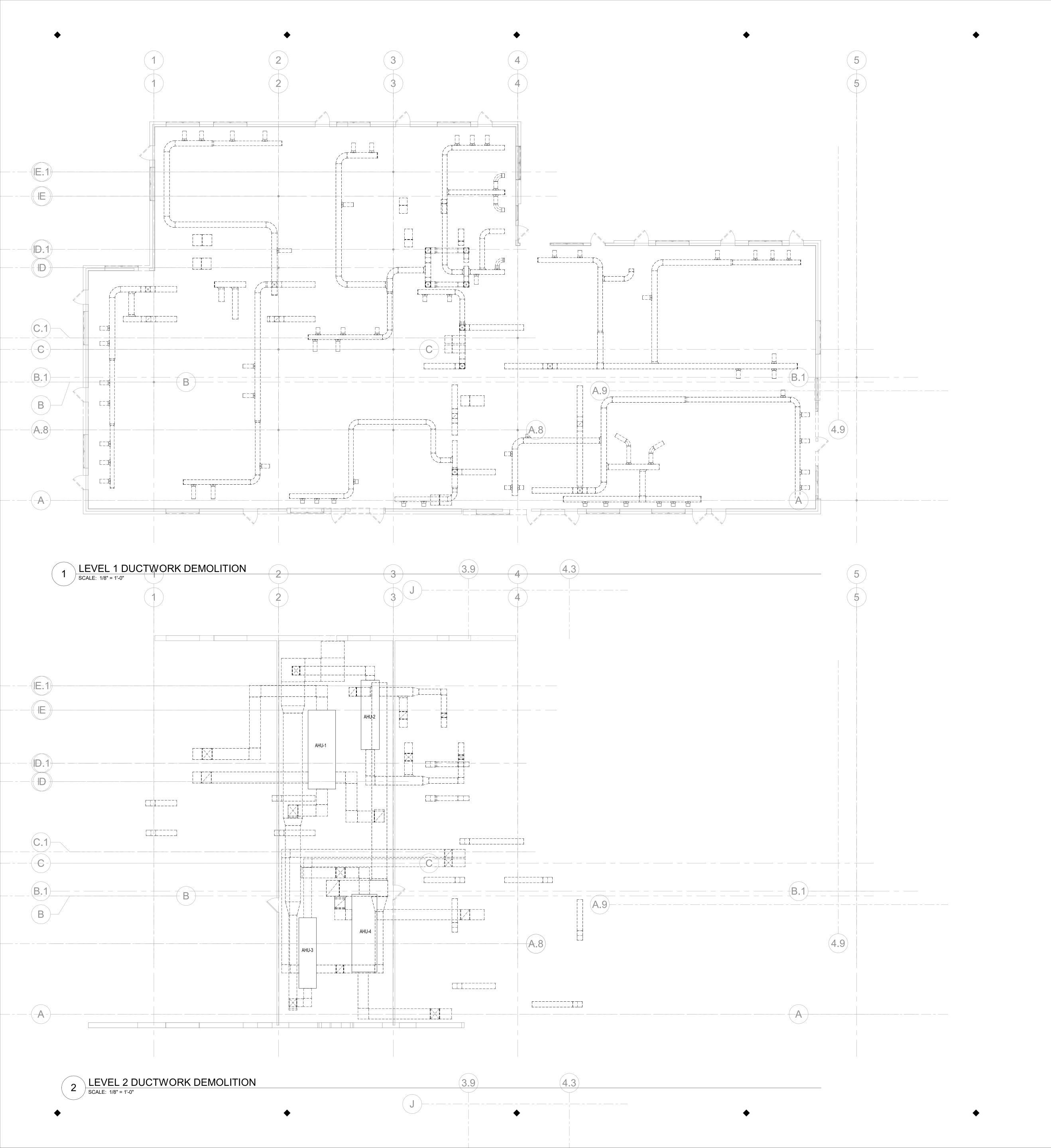
DRAWN BY:	
Author	
CHECKED BY:	
Checker	
SCALE:	

PROJECT NO.: 21-125-2125.04

M-901

DATE & TIME PRINTED: 11/15/2022 7:00:15 PM

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Mech.rvt



### MECHANICAL DEMOLITION NOTES

 ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, ACCESSORIES, HANGERS, SUPPORTS, APPURTENANCES, ETC. TO BE REMOVED AS PART OF DEMOLITION SCOPE.
 REFER TO DEMOLITION NOTES ON COVER SHEET FOR MORE DETAILS

TOWN OF WAYLAND

8 ANDREW AVENUE. WAYLAND, MA 01778

WAYLAND SENIOR CENTER



CTURE BOSTON

ANNING
TERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO: DATE: DESCRIPTION:

1 08/31/22 SELECTIVE INTERIOR DEMOLITION

2 11/15/22 90% CD

DRAWING TITLE:
MECHANICAL FIRST FLOOR
AND MEZZANINE DEMOLITION
PLAN
DRAWN BY: SEAL:

CMP

KEY PLAN:

1/8" = 1'-0"

PROJECT NO.:
21-125-2125.04

DRAWING NO.:

MD100

PROJECT LOCATION:

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - Mech.rvt

DATE & TIME PRINTED: 11/15/2022 7:00:19 PM

	PLUMBING SYMBOL LIST
<u>IDENTIFIER</u>	<u>DESCRIPTION</u>
CW	NEW DOMESTIC COLD WATER
HW	NEW DOMESTIC HOT WATER
– — HWR	NEW DOMESTIC HOT WATER RETURN
TW-	NEW TEMPERED WATER
\$	NEW SANITARY PIPING (ABOVE SLAB)
COND	NEW CONDENSATE DRAIN
G	NEW GAS LOW PRESSURE
CA	NEW COMPRESSED AIR
\$	NEW SANITARY PIPING (UNDER SLAB)
V	NEW SANITARY VENT PIPING
<b>③</b>	FIELD CONNECT
•	FIELD DISCONNECT
F#	REFER TO SUPPLEMENTAL FIGURE INDICATED BY NUMBER (I.E. F2 REFERS TO FIGURE 2)
XXX XX	EQUIPMENT TAG EQUIPMENT NUMBER
XXX X-XXX	DETAIL TAG/CALL OUT TAG PLUMBING SHEET NUMBER

	PIPING ELEME	NTS/V	ALVING
<b>\$</b>	AQUASTAT	OS 0∈	OPEN SITE DRAIN
ADR∎c—	AREA DRAIN	<del></del>	PIPE DROPPING DOWN
ф	AUTOMATIC AIR VENT		PIPE RISING UP
BFP	BACKFLOW PREVENTER	₹	PLUG VALVE
<u>₩_ग_</u> ਯ_₩	BACKFLOW PREVENTER (DOUBLE CHECK VALVE ASSEMBLY)		PRESSURE REDUCING VALVE (PRV)
<u> ~ _                                  </u>	BACKFLOW PREVENTER (REDUCED ZONE)	PT/PS .	PRESSURE TRANSMITTER OR PRESSURE SWITCH
—	BALL VALVE		RELIEF/SAFETY VALVE
——————————————————————————————————————	BUTTERFLY VALVE	RD Ū──	ROOF DRAIN
E	CAP ON END OF PIPE	<u>\s</u>	SOLENOID VALVE
CBV	CIRCUIT SETTING	<del></del>	SPRINKLER HEAD
	BALANCING VALVE		STRAINER
— CO⊢	CLEANOUT FLEXIBLE-CONNECTION	-   1	STRAINER WITH BLOW OFF VALVE
FD¤——	FLOOR DRAIN	—N—	SWING CHECK VALVE
□FS	FLOW SWITCH		TEE OUTLET DOWN
	GAS COCK	———	TEE OUTLET UP
	GAS PRESSURE REGULATOR	<u></u> ‡TP_	TEMPERATURE AND PRESSURE RELIEF VALVE
<b>─</b> ₩—	GATE VALVE		TEMPERATURE TRANSMITTER
<b>≱</b> ⊢	GATE VALVE, ANGLE	TH/TI	THERMOMETER/TEMPERATURE INDICATOR
PI/GA ♀	GAUGE WITH GAUGE COCK/ PRESSURE INDICATOR	<del></del> ф	THREE WAY CONTROL VALVE
<del>_</del>	GLOBE VALVE	——————————————————————————————————————	TWO WAY CONTROL VALVE UNION - SCREWED OR FLANGED
<b>*</b>	GLOBE VALVE, ANGLE		VALVE IN RISE OR DROP
нв≎н	HOSE BIBB	W.C.O.	
<b>─</b>	LIFT CHECK VALVE	====	WALL CLEAN OUT
<del>\$</del>	MANUAL AIR VENT	W <u>HA</u> ■	WATER HAMMER ARRESTER

### PLUMBING GENERAL NOTES

- 1. ALL PLUMBING WORK UNDER THIS CONTRACT SHALL CONFORM TO THE LATEST EDITION OF THE PLUMBING CODE OF ,MASSACHUSETTS, AND THE REQUIREMENTS OF THE UTILITY AND THE LOCAL WATER COMPANY.
- 2. ALL MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
- 3. THE PLUMBING CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL LABOR AND MATERIALS SUPPLIED AND INSTALLED UNDER THIS CONTRACT AND SHALL GUARANTEE THE WORK PERFORMED UNDER THIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THIS WORK.
- 4. PLUMBING CONTRACTOR SHALL CONSULT WITH, COOPERATE AND COORDINATE WITH THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR, SPRINKLER CONTRACTOR, ELECTRICAL CONTRACTOR, ETC. IN ORDER TO MINIMIZE INTERFERENCES BETWEEN TRADES DURING PERFORMANCE OF THIS WORK.
- 5. THE PLUMBING CONTRACTOR SHALL PREPARE AND FILE ALL REQUIRED PLANS AND PERMITS WITH THE LOCAL AUTHORITIES. PC SHALL PAY THE FILING FEES AS REQUIRED. PC SHALL OBTAIN ALL APPROVALS AND SHALL PAY FOR ALL WORK PERMITS, INSPECTIONS AND SIGN-OFFS AS REQUIRED TO EXECUTE THIS WORK IN A MANNER IN CONFORMANCE WITH THE CODES AND AUTHORITIES HAVING JURISDICTION.
- 6. THE PLUMBING CONTRACTOR SHALL PERFORM ALL TESTS AND ARRANGE FOR ALL INSPECTIONS FOR WORK UNDER HIS CONTRACT AS REQUIRED BY LAW AND SHALL SUPPLY ALL CERTIFICATES OF INSURANCE AS REQUIRED BY THE LAW AND THE OWNER.
- 7. THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL PLUMBING EQUIPMENT REGARDLESS WHETHER ILLUSTRATED HEREIN WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.
- 8. PLUMBING CONTRACTOR SHALL VISIT THE SITE & BECOME FAMILIAR WITH THE EXISTING CONDITIONS, INCLUDING THE SIZE OF CONNECTIONS, ROUGHING DIMENSIONS, ETC. BEFORE SUBMITTING A QUOTATION FOR THE WORK.
- 9. PLUMBING CONTRACTOR SHALL PERFORM ALL CUTTING, EXCAVATION, BACKFILLING, ROUGH & FINISH PATCHING AS PER THE SPECIFICATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK, UNLESS NOTED OTHERWISE.
- 10. ALL CONNECTIONS TO NEW AND/OR EXISTING EQUIPMENT SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 11. IT IS THE INTENT OF THIS CONTRACT THAT THE COMPLETED WORK BE FULLY OPERATIONAL.
- 12. ALL PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED AT INTERVALS AND BE FABRICATED OF MATERIALS AS REQUIRED BY THE PC-NYS.
- 13. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED WITH ANGLE STOP VALVES IN THE SUPPLY LINES SERVING THE
- 14. ALL NEW EXPOSED WATER AND WASTE PIPING SERVING THE FIXTURES SHALL BE CHROME PLATED AND SHALL HAVE CHROME PLATED ESCUTCHEONS RIGIDLY ATTACHED TO THE PIPING AT THE POINT OF WALL OR FLOOR PENETRATIONS.
- 15. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL NEW PLUMBING FIXTURES AND EQUIPMENT TO BE SUPPLIED AND INSTALLED UNDER THIS CONTRACT FOR APPROVAL BEFORE INSTALLATION OF SAME
- 16. WATERPROOF PIPE SLEEVES SHALL BE INSTALLED AT ALL PENETRATIONS THROUGH EXTERIOR WALLS. PIPE

SLEEVES SHALL BE INSTALLED AT ALL WALL PENETRATIONS THROUGH INTERIOR WALLS AND FLOORS.

- 17. ALL PIPING SHALL BE TESTED AT A MINIMUM PRESSURE OF 1-1/2 TIMES THE MAXIMUM OPERATING PRESSURE UNLESS OTHERWISE NOTED ON THE DOCUMENTS OR THE PLUMBING CODE AND IN ACCORDANCE WITH THE UTILITY
- 18. ALL REMOVALS PERFORMED UNDER THIS CONTRACT SHALL INCLUDE REMOVAL OF ALL DEBRIS AND DISPOSAL AT AN APPROPRIATE SITE.
- 19. ALL LAVATORIES DESIGNED FOR USE BY PERSONS CONFINED TO WHEELCHAIRS SHALL HAVE THE HOT & COLD WATER SERVICES, AS WELL AS THE TRAP, RECESSED & INSULATED IN ACCORDANCE WITH ADA REQUIREMENTS.
- 20. REFER TO THE ARCHITECTURAL PLANS FOR ALL STRUCTURAL DIMENSIONS.
- 21. ALL WORK TO BE COORDINATED WITH OTHER TRADES.

REQUIREMENTS FOR GAS PIPING SYSTEMS.

- 22. ALL PIPING PENETRATIONS TO BE SEALED AROUND WITH "NELSON" FIRE SEAL.
- 23. ALL WATER SERVICE PIPING WITHIN THE BUILDING IS TO BE INSULATED IN ACCORDANCE WITH ALL NEW YORK STATE PLUMBING CODE (NYS-PC) AND NYS ENERGY CODES.
- 24. ALL PLUMBING FIXTURES TO BE INSTALLED AS PER FACTORY RECOMMENDATIONS.
- 25. ALL PLUMBING FIXTURES TO BE TRAPPED, VENTED AND PROVIDED WITH AIR SHOCKS WHEN REQUIRED.
- 26. PLUMBING FIXTURES SHALL COMPLY WITH "WATER CONSERVATION" REQUIREMENT AS DETAILED IN THE NYS-PC.
- 27. GC IS RESPONSIBLE TO SUBMIT APPLICATION AND TAP FEES TO LOCAL WATER AUTHORITY AND HAVE OWNER FILL OUT APPLICATION UPON COMPLETION OF PLUMBING ROUGH-IN INSPECTION.
- 28. ALL WATER AND HORIZONTAL STORM DRAIN PIPING INCLUDING ROOF DRAIN BODY SHALL BE INSULATED.
- 29. FLOOR DRAINS AND FLOOR CLEAN-OUTS SHALL BE SET LEVEL WITH FINISHED FLOORS.
- 30. ALL PIPE DIMENSIONS ARE INSIDE CLEAR.
- 31. ALL PLUMBING FIXTURES TO HAVE ISOLATION VALVES.
- 32. P.C. IS RESPONSIBLE TO ADJUST HOT WATER HEATER (HWH) TEMPERATURE TO ENSURE A TEMPERATURE RANGE OF 110°F TO 120°F AT THE INDIVIDUAL FIXTURE OUTPUT. P.C. MUST ENSURE A TEMPERATURE OF 120° F MAXIMUM AT THE FIXTURES TO PREVENT SCALDING.
- 33. P.C. IS RESPONSIBLE TO MOUNT HOT WATER HEATER IN CEILING AS HIGH AS POSSIBLE TO AVOID ANY CONFLICT WITH OTHER TRADES, CEILING HEIGHT, AND ANY STRUCTURE (I.E. BEAMS, JOIST, ETC).
- 34. BUILDING DOMESTIC WTR DEMAND & SIZING IS CALCULATED FROM NYS-PC SECTION 603, 604 & APPENDIX E.
- 35. BUILDING SANITARY DEMAND & SIZING IS CALCULATED FROM NYS-PC SECTIONS 709 AND 710.
- 36. ALL DFU CALCULATIONS ARE BASED OFF OF TABLE 709.1 OF THE NYS-PC.
- 37. ALL SANITARY AND STORM WATER PIPING SHALL BE PITCHED IN ACCORDANCE WITH NYS-PC SECTION 704 BASED ON TABLE 704.1 SLOPE OF HORIZONTAL DRAINAGE PIPE.
- 38. ALL STORM WATER PIPING IS SIZED FROM TABLE 1106.3 OF THE NYS-PC BASED OFF OF 3" RAINFALL RATE.
- 39. ALL VENT SIZING IS BASED OFF OF SECTION 916 OF THE NYS PLUMBING CODE.
- 40. P.C. TO PROVIDE 1-1/2" FIBERGLASS INSULATION AROUND ALL HORIZONTAL STORM WATER PIPING IN THE PLENUM.
- 41. ALL GAS PIPE SIZING IS BASED OFF OF SECTIONS 402 TABLE 402.4(2) OF THE NYS FUEL GAS CODES.
- 42. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.
- 43. ALL PLUMBBING EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE).

### **LEED NOTES**

1. ALL ADHESIVES, SEALANTS, PAINTS & COATINGS APPLIED TO THE INTERIOR OF THE BUILDING (WITHIN THE WEATHER PROOFING SYSTEM, INCLUDING WALL CAVITIES) MUST NOT EXCEED THE LEED VOC LIMITS. PROVIDE A VOC SUBMITTAL AND MSDS FOR ALL ADHESIVES, SEALANTS, PAINTS AND COATINGS TO BE APPLIED.

### **SHOP DWGS & EQUIPMENT SUBMITTALS:**

- 1. THE CONTRACTOR MUST SUBMIT ANY EQUIPMENT ALTERNATES 2 WEEKS PRIOR TO BIDS DUE FOR REVIEW AND COMMENTS. ALTERNATES MUST BE ACCEPTED BY LIRO ENGINEERS, INC., THE ARCHITECT, AND THE OWNER PRIOR TO INCLUSION IN BID. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE EQUIPMENT ALTERNATES WITH OTHER TRADES AND MAKE ADJUSTMENTS TO THE MECHANICAL SYSTEMS, AS REQUIRED, TO ACCOMMODATE THESE NEW ALTERNATES.
- 2. PLUMBING CONTRACTOR TO PROVIDE X-RAY AND TEST CORE DRILLING TO DETERMINE EXACT LOCATION AND INVERT OF EXISTING SANITARY MAIN. SUBMIT FINDING VIA SHOP DRAWINGS TO ENGINEER FOR APPROVAL AND DIRECTION. COORDINATE LOCATION WITH SANITARY CONSTRUCTION PLANS TO DETERMINE ROUTING OF NEW PIPING AND POSSIBILITY OF RE-USING EXISTING PIPING.
- 3. CHANGES WHICH DEEM TO EFFECT THE DESIGN SHALL BE SUBMITTED WITH A NYS P.E. APPROVED DRAWING AT THE CONTRACTOR'S EXPENSE AND SHALL BE REVIEWED BY ENGINEER.
- 4. THE CONTRACTOR IS RESPONSIBLE TO SUBMIT ALL OF THE FOLLOWING ITEMS FOR REVIEW/APPROVAL BY NO MORE THAN 3 WEEKS AFTER THE CONTRACTOR'S CONTRACT/BID HAS BEEN AWARDED. ALL SUBMITTALS MUST BE SENT TOGETHER AS A SINGLE PACKAGE WITH MANUFACTURER'S SPECIFIC MODELS AND SPECIFICATIONS OUTLINED TO MATCH THE SCHEDULED REQUIREMENTS. EACH SUBMITTAL MUST BE LABELED WITH THE UNIT DESIGNATION USED WITHIN THIS DRAWING SET. IF THE SUBMITTAL PACKAGE IS FOUND TO BE INCOMPLETE UPON RECEIPT, THE PACKAGE WILL BE HELD AND WILL NOT BE REVIEWED UNTIL THE REMAINDER OF THE PACKAGE IS RECEIVED. ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL NOT PURCHASE OR INSTALL ANY EQUIPMENT UNTIL WRITTEN ACCEPTANCE IS OBTAINED FROM THE ENGINEER.
- CONTRACTOR IS RESPONSIBLE TO DEVELOP & SUBMIT TO THE ENGINEER FOR REVIEW & APPROVAL THE **FOLLOWING SHOP DWGS:**
- A. GAS FIRED HOT WATER HEATER.
- B. HOT WATER RETURN PUMP. C. PLUMBING FIXTURES & ACCESSORIES.
- D. ALL VALVES.
- E. ALL PIPING, FITTINGS, & SUPPORT MATERIALS. F. WALL CARRIERS
- G. RPZ ASSEMBLY, WATER METER
- H. HOT WATER TEMPERATURE REPORT (REPORT MUST I. SHOW HOW LONG IT TAKES TO GET 120°F HOT WATER
- J. TO ALL FIXTURES THAT REQUIRE HOT WATER AFTER 6 K. HOURS OF STATIC SYSTEM.)
- DRAWING REQUIREMENTS. IF CONFLICTS ARISE, CONTACT DESIGN ENGINEER BEFORE FABRICATION.

### **BUILDING PLAN REVIEW NOTE:**

TOWN OF ISLIP BUILDING PLANS EXAMINER SHALL REVIEW THE ENCLOSED DOCUMENT FOR MINIMUM ACCEPTABLE PLAN SUBMITTAL REQUIREMENTS OF THE TOWN OF ISLIP AS SPECIFIED IN THE BUILDING AND/OR RESIDENTIAL CODE OF THE STATE OF NY. THIS REVIEW DOES NOT GUARANTEE COMPLIANCE WITH THAT CODE. THE SEAL AND SIGNATURE OF THE DESIGN PROFESSIONAL HAS BEEN INTERPRETED AS AN ATTESTATION THAT, TO THE BEST OF THE LICENSEE'S BELIEF AND INFORMATION, THE WORK IN THE **DOCUMENT IS:** □ ACCURATE.

- □ CONFORMS WITH GOVERNING CODES APPLICABLE AT THE TIME OF SUBMISSION.
- □ CONFORMS WITH REASONABLE STANDARDS OF PRACTICE AND VIEW TO THE SAFEGUARDING OF LIFE, HEALTH, PROPERTY AND PUBLIC WELFARE.
- ☐ IS THE RESPONSIBILITY OF THE LICENSEE

AE	BREVIATIONS:
AD	ACCESS DOOR
BFP	BACKFLOW PREVENTER
CO	CLEAN OUT
CW	COLD WATER
DCV	DOUBLE CHECK VALVE
DFU	DRAINAGE FIXTURE UNIT
DPCO	DECK PLATE CLEAN OUT
FC	FIELD CONNECT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FU	FIXTURE UNIT
HW	HOT WATER
HWR	HOT WATER RETURN
IAW	IN ACCORDANCE WITH
IWFD	INDIRECT WASTE FUNNEL DRAIN
LAV	LAVATORY
JS	JANITOR'S SINK
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NYS-PC	NEW YORK STATE PLUMBING CODE
RD	ROOF DRAIN
S	SANITARY
SD	STORM DRAIN
TMV	THERMOSTATIC MIXING VALVE
U.O.N.	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
WC	WATER CLOSET
PC	PLUMBING CONTRACTOR
MC	MECHANICAL CONTRACTOR
TYP.	TYPICAL
VIF	VERIFY IN FIELD
WCO	WALL CLEAN OUT
WFU	WATER FIXTURE UNITS
GENERAL I OF AN ABB IMPLY ITS I	EVIATIONS ARE SHOWN FOR REFERENCE ONLY. THE PRESCENCE BREIVATION ON THIS LIST DOES NOT USE ON THIS PROJECT. REFER TO S FOR SPECIFIC ABBREVIATIONS

ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS/SPECIFICATIONS.

ALL PLUMBING EQUIPMENT SHALL BE MOUNTED ON MINIMUM 6" HIGH CONCRETE PAD UNLESS OTHERWISE NOTED (PAVER AND CINDER BLOCK IS NOT ACCEPTABLE).



TOWN OF WAYLAND

WAYLAND SENIOR CENTER 8 ANDREW AVENUE.

WAYLAND, MA 01778



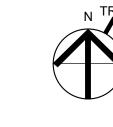
529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

**CONSULTANT:** 

ISSUE/REVISION: NO: DATE: DESCRIPTION: 08/31/2022 BID SET 10/12/2022 50%CD 11/15/2022 90% CD SET \_\_\_\_

KEY PLAN:



DRAWING TITLE: PLUMBING NOTES, SYMBOLS, & LEGEND

DRAWN BY:	SEAL:
SZ	
CHECKED BY:	
MC	
SCALE:	
1/8" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

P-001

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - PLU-FP V19.rvt

DATE & TIME PRINTED: 11/15/2022 1:59:44 PM

						APAI	RTMENT F	LUMBING FIX	TURE SCHEDU	JLE					
				FIXTURE					ACCES	SORIES					
SYMBOL	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	TYPE	MANUFACTURER	MODEL	STYLE	SUPPLY	FINISH/COLOR	FLOW RATE (GPM)	REMARKS	SYMBOL
WC-1	WATER CLOSET	тото	CST454CEF	DRAKE II CLOSED COUPED TOILET	28-1/2" X 30"	WHITE					1/2" CW		1.28 GPF		WC-1
WC-1A	WATER CLOSET	тото	CST454CEF	DRAKE II CLOSED COUPED TOILET	28-1/2" X 30"	WHITE					1/2" CW		1.28 GPF		ADA WC-1A
UR-1A	URINAL	SLOAN	1001000	WATERFREE URINAL	14-3/8" X 19-5/8"	WHITE									ADA UR-1A
LAV-1	LAVATORY	KOHLER	K-20000	CAXTON RECTANGLE UNDERMOUNT SINK	15-11/16" X 20-1/4"	WHITE	FAUCET	KOHLER	K-15199-4NDRA	CORALAS	1/2" CW 1/2" HW	POLISHED CHROME	0.50		LAV-1
LAV-1A	LAVATORY	KOHLER	K-20000	CAXTON RECTANGLE UNDERMOUNT SINK	15-11/16" X 20-1/4"	WHITE	FAUCET	KOHLER	K-15199-4NDRA	CORALAS	1/2" CW 1/2" HW	POLISHED CHROME	0.50		ADA LAV-1A
SK-1	ACTIVITY ROOM "C" SINK						FAUCET				1/2" CW 1/2" HW				SK-1
SK-2	ACTIVITY ROOM "B" SINK						FAUCET				1/2" CW 1/2" HW				SK-2
SK-3	ACTIVITY ROOM "A" SINK						FAUCET				1/2" CW 1/2" HW				SK-3
SK-4	SERVING PANTRY SINK	KOHLER	K-8188	VERTICYL SQUARE UNDERMOUNT SINK	13-1/4" X 13-1/16"	WHITE	FAUCET	DELTA	2171LF	BAR SINK FAUCET	1/2" CW 1/2" HW	POLISHED CHROME	0.50	PROVIDE FAUCET WITH 0.50 GPM AERATOR	SK-4
SK-5	SERVING PANTRY SINK						FAUCET				1/2" CW 1/2" HW				SK-5

				GENERAL PLUM	BING SCH	EDULE			
				FIXTURE			SUP	PLY	
I.D.	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	CW	HW	REMARKS
HB-1	HOSE BIBB	WOODFORD	B24	ANTI-SIPHON		CHROME	1/2"		FURNISH WITH LOOSE TEE KEY HANDLE
WH-1	WALL HYDRANT	WOODFORD	B65-CH	AUTOMATIC DRAINING, FREEZELESS, RECESSED BOX	7½" × 6½"	CHROME	3⁄4"		FURNISH WITH LOOSE TEE KEY HANDLE
JS-1	JANITORS SINK	FIAT	3624	MOLDED STONE	36" X 24"	CHROME	1/2"	1/2"	PROVIDE SERVICE FAUCET FIAT MODEL # 830-AA, HOSE AND HOSE BRACKET MODEL # 832-AA, AND MOP HANGER MODEL # 889-CC
ET-2	EXPANSION TANK	AMTROL	ST-180V	THERM-X-TROL	22" X 46 <sup>3</sup> ⁄ <sub>4</sub>		11/4"		

	DRAIN SCHEDULE								
I.D.	LOCATION	MANUFACTURER	MODEL	OUTLET	STRAINER	REMARKS			
FD-1	RESTROOMS	JR SMITH	2010Y02-B04CP-P050	2"	4" SQUARE				
FD-2	WATER SERVICE ROOM	JR SMITH	2233Y04-ANB-(P050)	4"	12" ROUND	TRAP PRIMER CONNECTION NOT REQUIRED ON GARAGE DRAINS			

				EL	ECTRIC V	VATEF	R HEATI	ER SC	HEDULE	
CVMDOL	MANUFACTURER	MODEL NO.	TANK CAPACITY	RECOVERY RATE @100°F	TEMPERATURE SETTINGS		ELEC	TRICAL		DEMARKS
SYMBOL	MANUFACTURER	MODEL NO.	GALLONS	GPH	°F	INPUT (KW)	VOLTAGE	PHASE	# OF ELEMENTS	REMARKS
EWH-1	A.O. SMITH	DRE-52-12	50	50	140	12.3	208	1	3	

			WATE	R SUB-ME	TER SCI	HEDULE	
I.D.	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	REMARKS
WM-1	WATER METER (DOMESTIC WATER SERVICE )	NEPTUNE	3" TRU/FLO COMPOUND SERIES METER	REMOTE READING	3"	HIGH COPPER ALLOY	PROVIDE REMOTE READING REGISTER
WM-2	WATER METER (LEVEL 1 - IRRIGATION)	NEPTUNE	T-10 METER	REMOTE READING	1"	HIGH COPPER ALLOY	PROVIDE REMOTE READING REGISTER

				BACKFLO	W PREVENTER SC	HEDULE	
				FIXTURE		SUPPLY	
I.D.	TYPE	MANUFACTURER	MODEL	STYLE	LOCATION	CW HW	REMARKS
BFP-1	BACKFLOW PREVENTER	WATTS		REDUCED PRESSURE BACKFLOW PREVENTER	LEVEL 1 WATER SERVICE ROOM	1-1/2"	(LEVEL 1 WATER SERVICE ROOM - IRRIGATION)

				MIXING VA	LVE SCH	EDULE			
			FIXTU	RE			SUF	PPLY	
I.D.	TYPE	MANUFACTURER	MODEL	STYLE	SIZE	FINISH/COLOR	INLETS	OUTLETS	REMARKS
MV-1	MIXING VALVE (DOMESTIC HOT WATER)	LEONARD							

				PUN	1P SCI	HEDL	JLE					
	TYPE			Model	0.D.M	PSI	HEAD	ELEC	. CHARAC	TERISTICS	5	DEMARKO
I.D.	TIPE	LOCATION MANUFACTURER	MODEL	G.P.M.	i.   PSI	(FT)	H.P.	VOLT	PHASE	R.P.M.	REMARKS	
CP-1	HOT WATER RECIRCULATOR PUMP	LEVEL 1	GRUNDFOS	MAGNA 3 40-80 F	15	-	15	-	115	1	-	
CP-2	HOT WATER RECIRCULATOR PUMP	LEVEL 1	GRUNDFOS	MAGNA 3 40-80 F	15	-	15	-	115	1	-	



WAYLAND SENIOR CENTER 8 ANDREW AVENUE. WAYLAND, MA 01778



■ BOSTON

BOSTON

529 MAIN STREET, SUITE 3303

BOSTON, MA 02129

TEL. 617.723.7100

FAX. 617.723.9113

■ **PORTLAND**500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

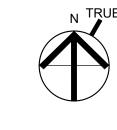
CONSULTANT:

ISSUE/REVISION:

NO: DATE: DESCRIPTION:

0 10/12/2022 50%CD
1 11/15/2022 90% CD SET

KEY PLAN:



DRAWING TITLE:
PLUMBING SCHEDULES

DRAWN BY:

SZ

CHECKED BY:

MC

SCALE:

1/8" = 1'-0"

PROJECT NO.:

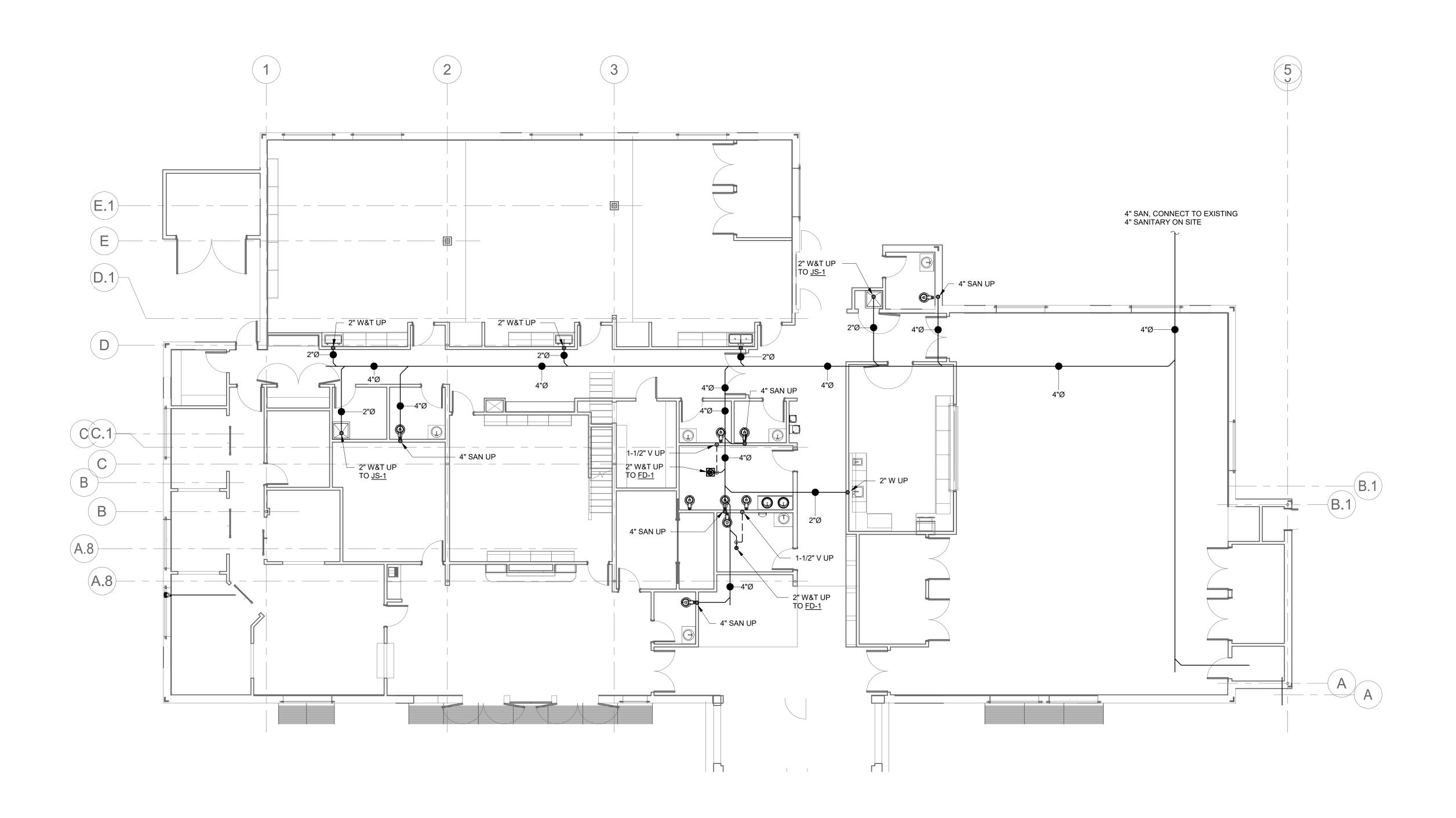
21-125-2125.04

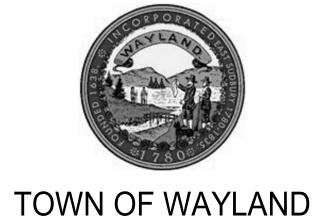
DRAWING NO.:

**D\_**007

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - PLU-FP V19.rvt

DATE & TIME PRINTED: 11/15/2022 1:59:44 PM





WAYLAND SENIOR CENTER 8 ANDREW AVENUE. WAYLAND, MA 01778



BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISS	UE/REVISION	ON:
NO:	DATE:	DESCRIPTION:
0	110/71-52/72-022022.2	900% #24 SET

KEY PLAN:



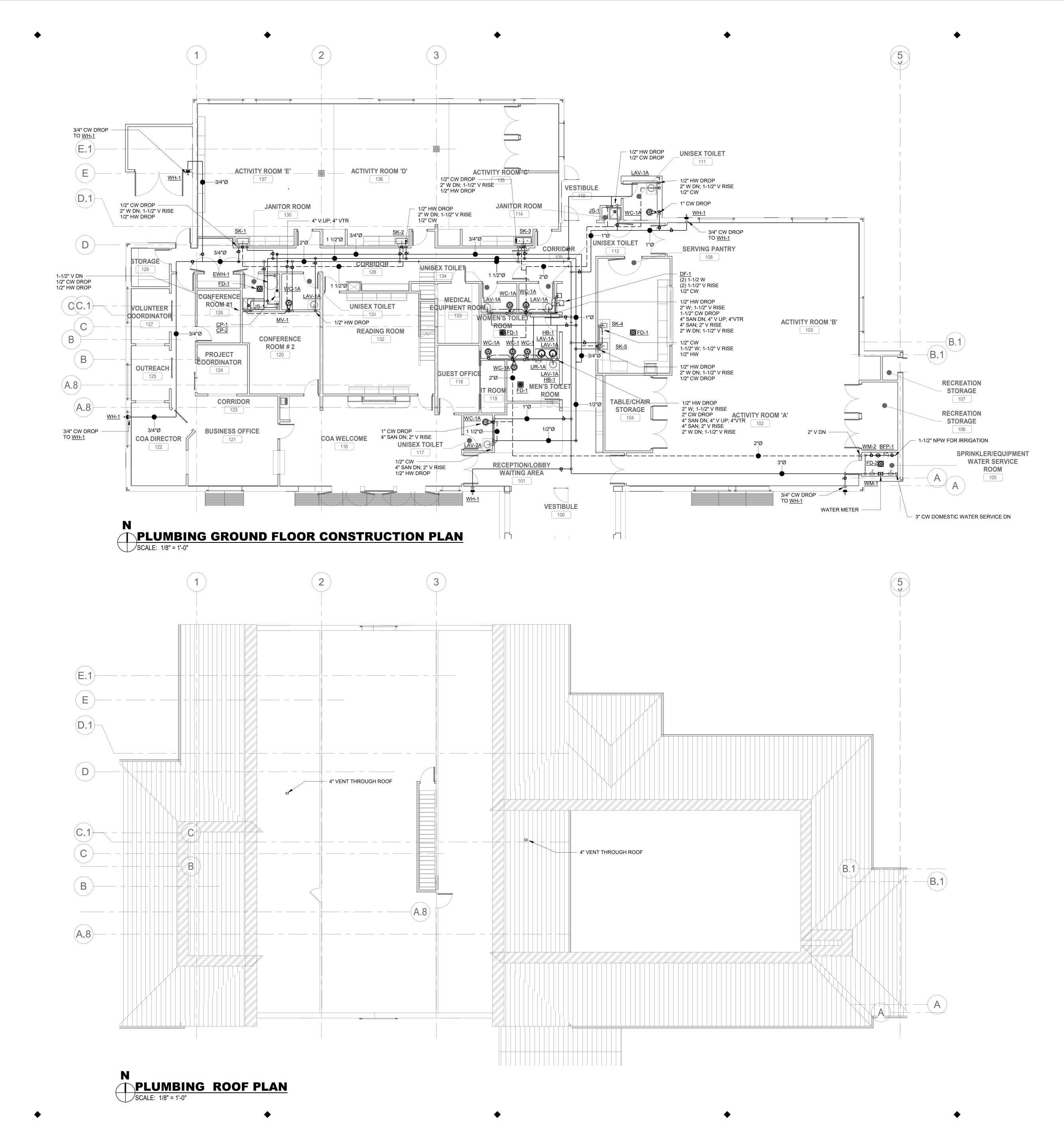
DRAWING TITLE:
PLUMBING UNDERSLAB
CONSTRUCTION PLAN

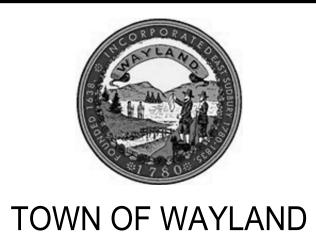
DRAWN BY: SZ CHECKED BY: MC 1/8" = 1'-0" PROJECT NO.: 21-125-2125.04 DRAWING NO.:

P-200

DATE & TIME PRINTED: 11/15/2022 1:59:45 PM

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - PLU-FP V19.rvt





WAYLAND SENIOR CENTER 8 ANDREW AVENUE. WAYLAND, MA 01778



A LiRo Group Company BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

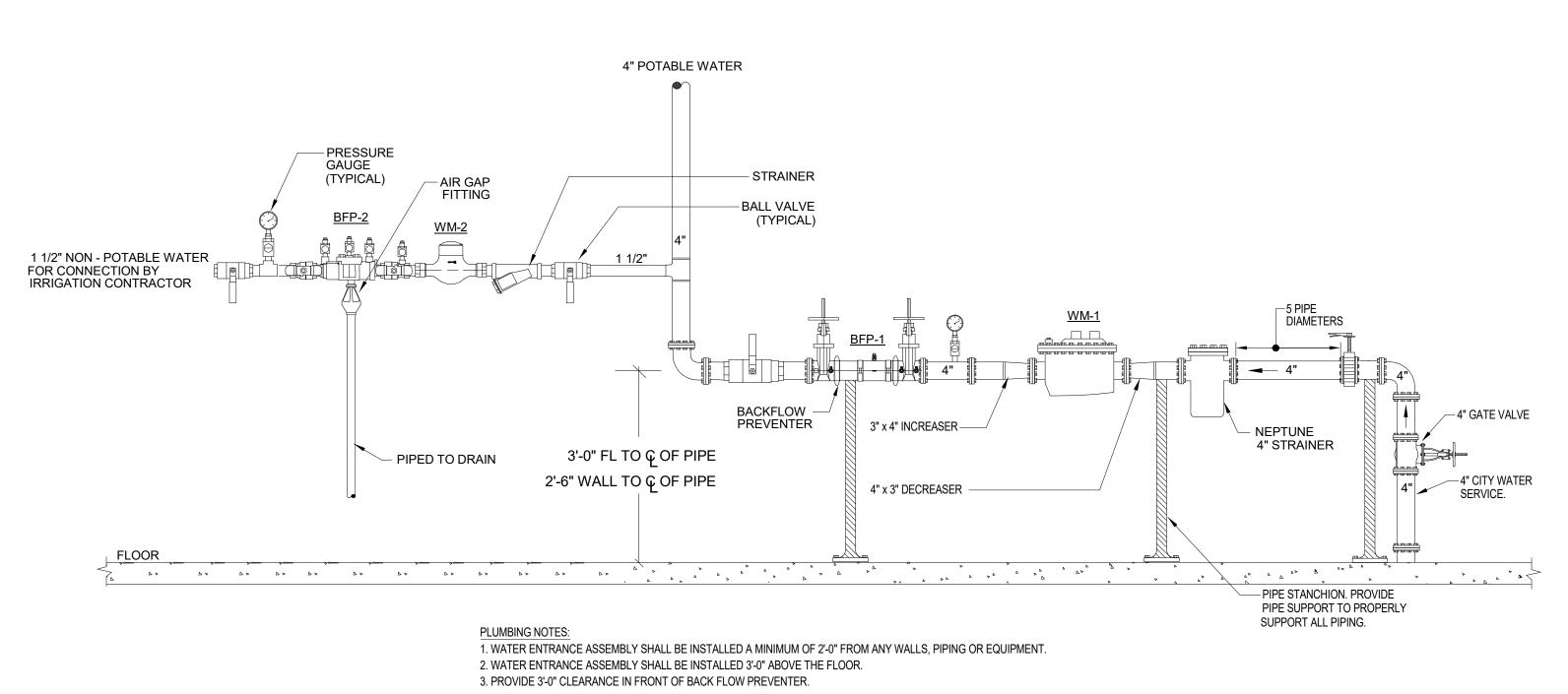
NO:	DATE:	DESCRIPTION:
0	10/12/2022	50%CD
1	11/15/2022	90% CD SET
		+
		+

DRAWING TITLE:
PLUMBING GROUND FLOOR & ROOF CONSTRUCTION PLAN

DRAWN BY:	SEAL:
SZ	
CHECKED BY:	
MC	
SCALE:	
1/8" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

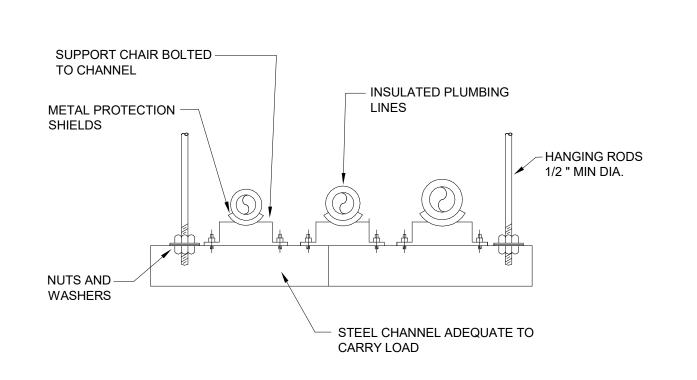
P-201

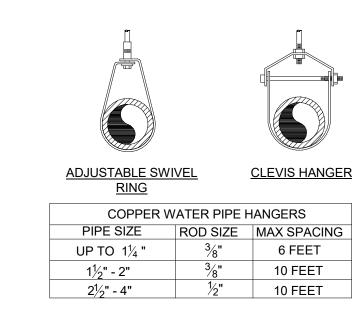
PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - PLU-FP V19.rvt DATE & TIME PRINTED: 11/15/2022 1:59:45 PM



DOMESTIC WATER SERVICE & IRRIGATION DETAIL

P-301 NO SCALE

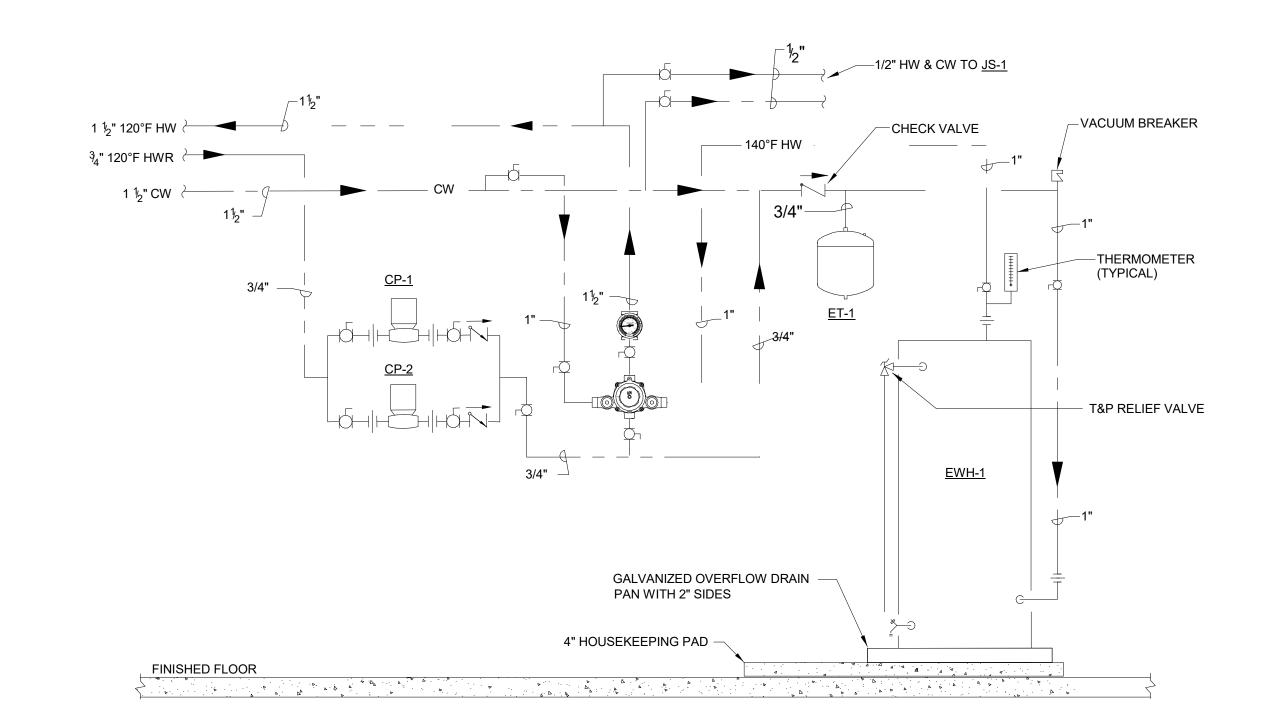




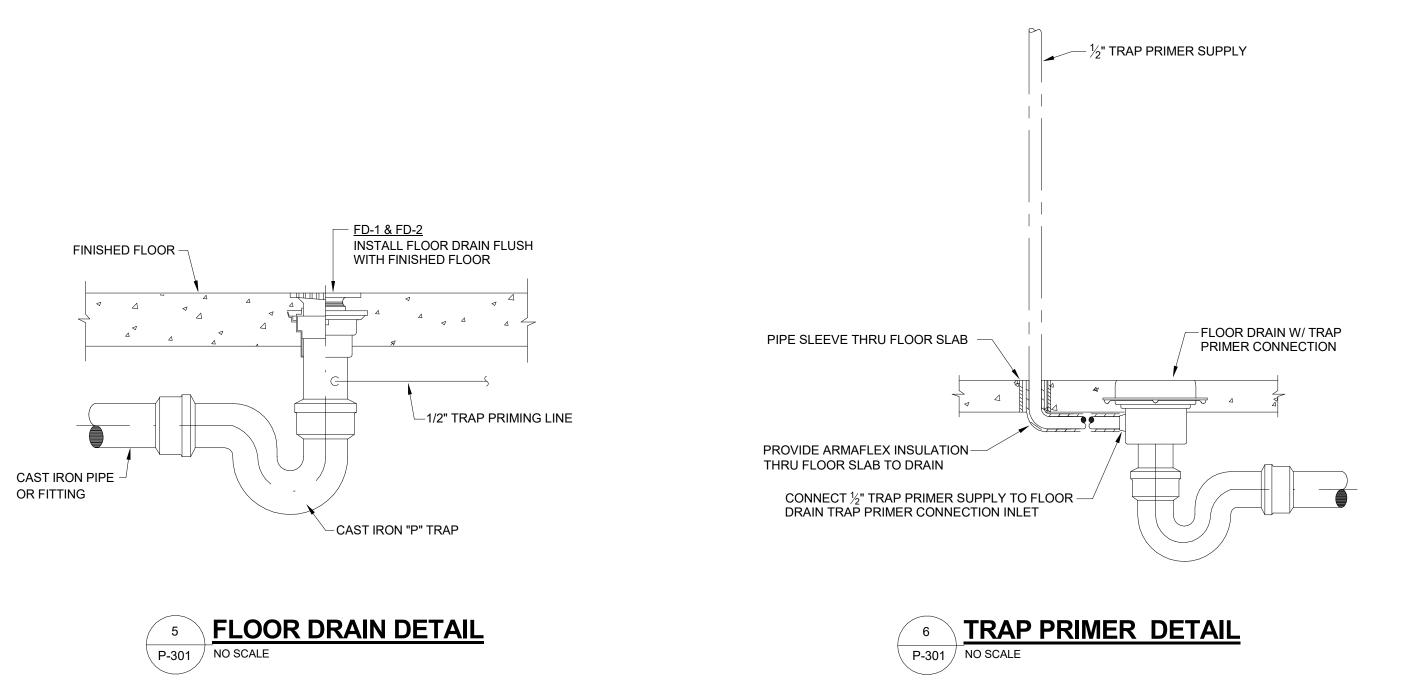














TOWN OF WAYLAND

WAYLAND SENIOR CENTER 8 ANDREW AVENUE. WAYLAND, MA 01778



JRE BOSTON

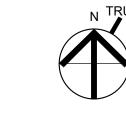
PORTLAND

500 WASHINGTON AVE
PORTLAND, ME 04103
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

ISS	UE/REVISIO	ON:	
NO:	DATE:	DESCRIPTION:	
0	110/71-52/72-022022.2	900%0 #124 SET	
			_
			_
			_
			_
			_

KEY PLAN:



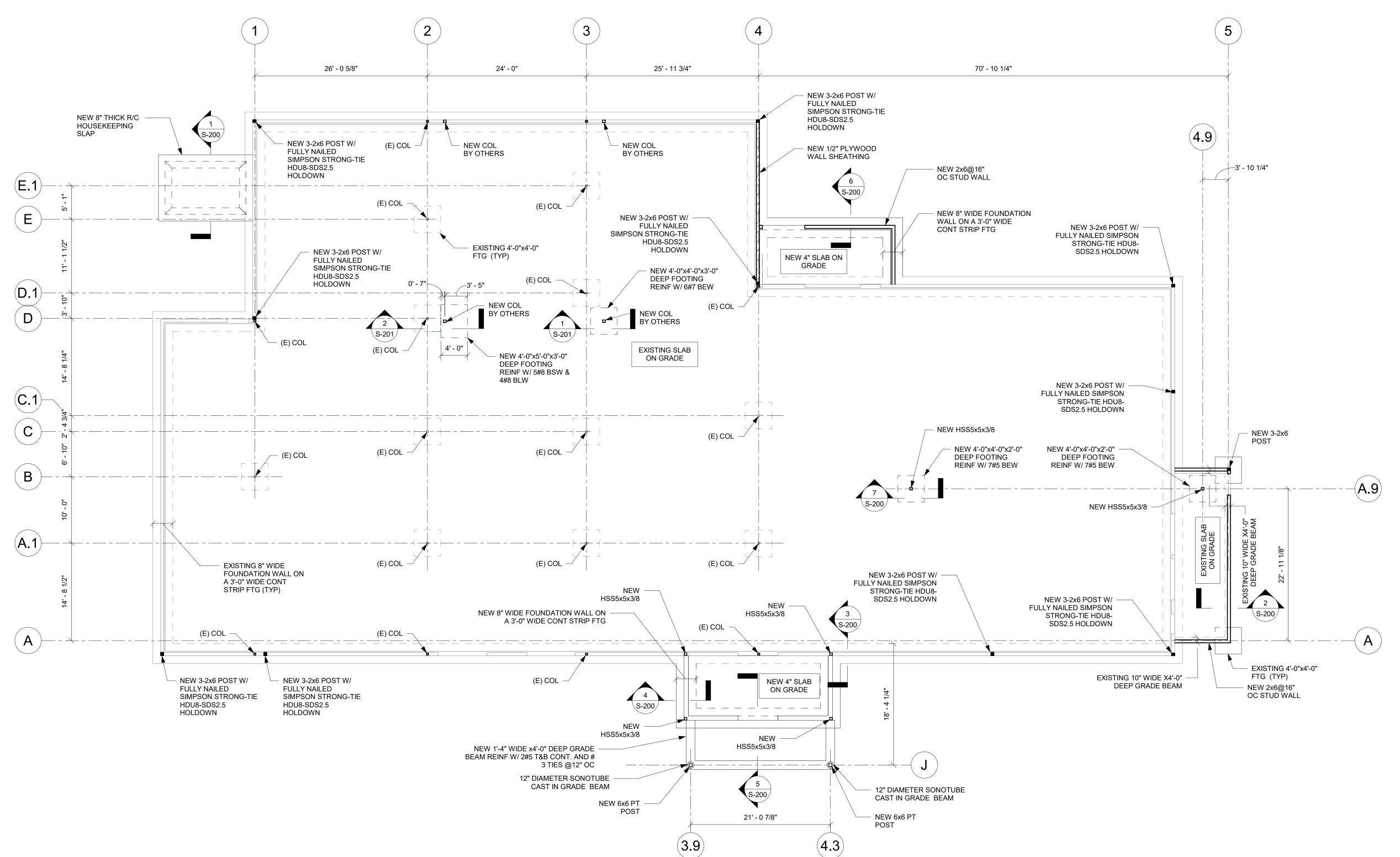
DRAWING TITLE:
PLUMBING DETAILS

DRAWN BY:	SEAL:
SZ	OLAL.
CHECKED BY:	
MC	
SCALE:	
1/8" = 1'-0"	
PROJECT NO.:	
21-125-2125.04	
DRAWING NO.:	

P-301

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 - Wayland Senior Center - PLU-FP V19.rvt

DATE & TIME PRINTED: 11/15/2022 1:59:45 PM



1) FOUNDATION PLAN 1/8" = 1'-0"

PLAN NOTES:

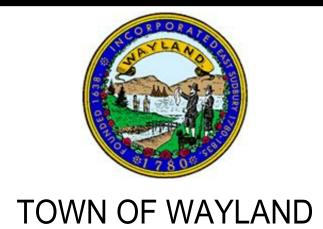
1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, EQUIPMENT, AND FIRE PROTECTION DRAWINGS FOR LOCATIONS, DIMENSIONS, AND DETAILS OF OPENINGS, SLEEVES, EMBEDMENTS, INSERTS, PADS, CURBS,

REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING IN THE FIELD THE EXISTENCE AND LOCATION OF OVERHEAD, BURIED AND/OR EMBEDDED UTILITIES, AND FOR VERIFYING LOCATIONS OF ALL EMBEDDED MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS AFFECTED BY THE WORK OF THIS CONTRACT.

DEPRESSIONS, ANCHOR BOLTS, AND OTHER PROJECT

- CODES AND STANDARDS THE MASSACHUSETTS STATE BUILDING CODE, 9th EDITION (IBC 2015 AND IEBC 2015) WITH 780 CMR
  - **AMENDMENTS** "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", AMERICAN CONCRETE INSTITUTE ACI
  - "MANUAL OF STEEL CONSTRUCTION", AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)  $14^{TH}$

  - "STRUCTURAL WELDING CODE- STEEL"-AMERICAN WELDING SOCIETY-AWS D1.1-2010.
  - "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDING"- AISC 341-10.
  - SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-AISC 360-10.
- MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES ASCE 7-10.
- CONCRETE SHALL BE 4000 PSI MIN. STRUCTURAL STEEL SHALL BE THE FOLLOWING W-BEAMS: ASTM A992 50 KSI
- PLATES/ANGLES: ASTM A36 COLUMNS: ASTM A500 GRADE B
- 6. DIMENSIONAL LUMBER SHALL BE SPRUCE PINE-FIR NO. 1/ NO. 2
- ENGINEERED LAMINTED VENEER LUMBER "LVL" SHALL BE BY WEYERHAUSER OR APPROVED EQUIVALENT.
  FOOTINGS ARE DESIGNED BASED ON AN ASSUMED
- ALLOWABLE SOIL BEARING PRESSURE OF 1 KSF.



WAYLAND CoA **COMMUNITY CENTER** 8 ANDREW AVENUE WAYLAND, MA 01778



A LiRo Group Company

BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100

FAX. 617.723.9113 PORTLAND

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

KEY PLAN:

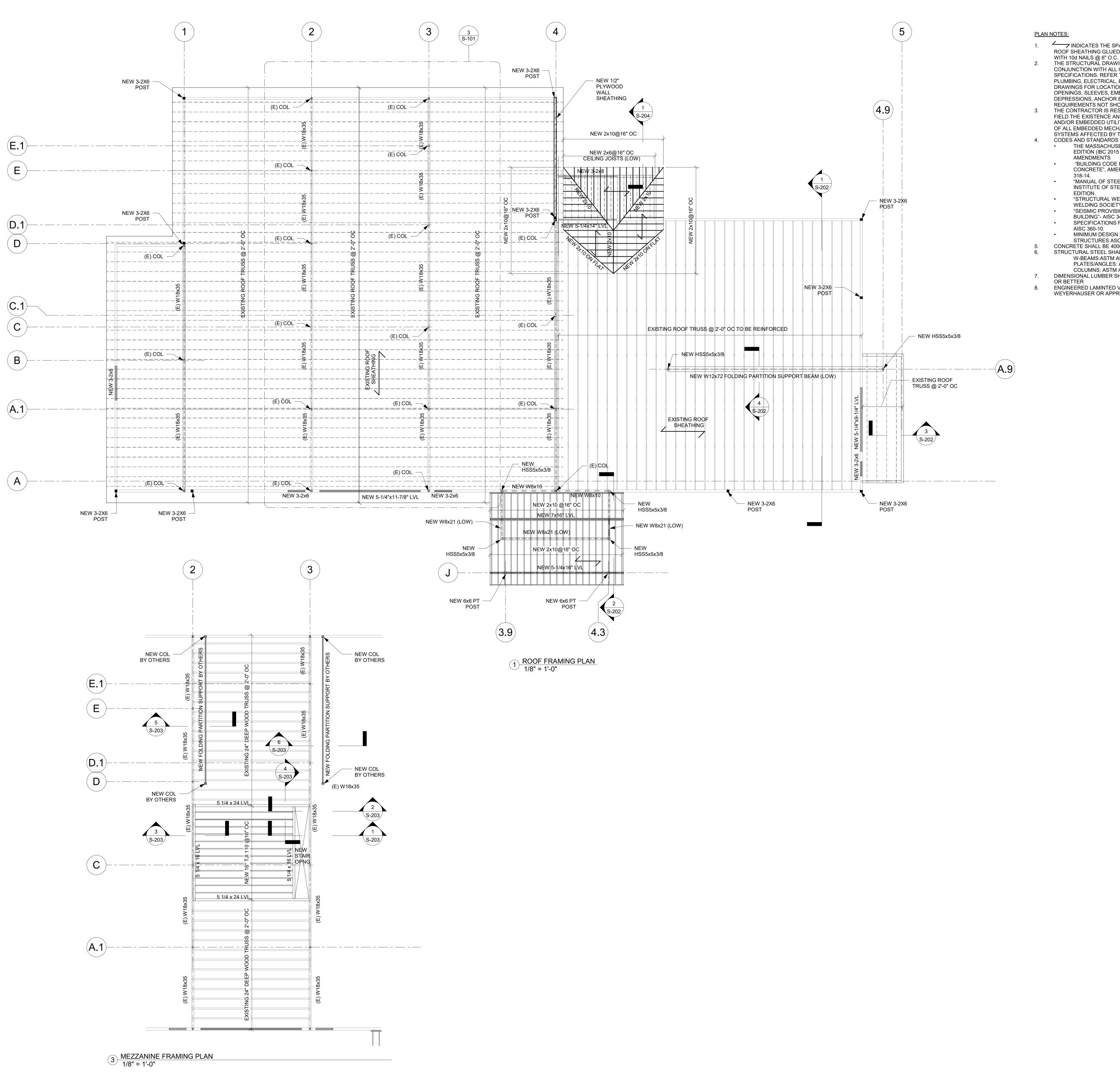
INTERIOR DESIGN

ISSU	E/REVISIO	N:
NO:	DATE:	DESCRIPTION:
	10/12/2022	50% CD SET
2	11/15/2022	90% CD SET

DRAWING TITLE: OVERALL FOUNDATION PLAN

DRAWN BY:	SEAL:
NP	
CHECKED BY:	
FH	
SCALE:	
1/8" = 1'-0"	
PROJECT NO.:	
Project Number	
DRAWING NO.:	

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 Wayland Community DATE & TIME PRINTED: 11/15/2022 5:18:42 PM





- 1. INDICATES THE SPAN DIRECTION OF NEW 5/8" PLYWOOD ROOF SHEATHING GLUED & NAILED TO SUPPORTING MEMBERS WITH 10d NAILS @ 6" O.C.
- THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, EQUIPMENT, AND FIRE PROTECTION DRAWINGS FOR LOCATIONS, DIMENSIONS, AND DETAILS OF OPENINGS, SLEEVES, EMBEDMENTS, INSERTS, PADS, CURBS, DEPRESSIONS, ANCHOR BOLTS, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING IN THE FIELD THE EXISTENCE AND LOCATION OF OVERHEAD, BURIED AND/OR EMBEDDED UTILITIES, AND FOR VERIFYING LOCATIONS OF ALL EMBEDDED MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS AFFECTED BY THE WORK OF THIS CONTRACT.
- THE MASSACHUSETTS STATE BUILDING CODE, 9<sup>th</sup> EDITION (IBC 2015 AND IEBC 2015) WITH 780 CMR
- "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", AMERICAN CONCRETE INSTITUTE ACI
- "MANUAL OF STEEL CONSTRUCTION", AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 14<sup>TH</sup>
- "STRUCTURAL WELDING CODE- STEEL"-AMERICAN WELDING SOCIETY-AWS D1.1-2010. "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDING"- AISC 341-10.
- SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER
- STRUCTURES ASCE 7-10. CONCRETE SHALL BE 4000 PSI MIN. STRUCTURAL STEEL SHALL BE THE FOLLOWING

**AMENDMENTS** 

- W-BEAMS:ASTM A992 50 KSI PLATES/ANGLES: ASTM A36 COLUMNS: ASTM A500 GRADE B
- 7. DIMENSIONAL LUMBER SHALL BE SPRUCE PINE-FIR NO. 1/ NO. 2
- 8. ENGINEERED LAMINTED VENEER LUMBER "LVL" SHALL BE BY WEYERHAUSER OR APPROVED EQUIVALENT.



TOWN OF WAYLAND

WAYLAND CoA **COMMUNITY CENTER** 8 ANDREW AVENUE WAYLAND, MA 01778



BOSTON

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

> PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

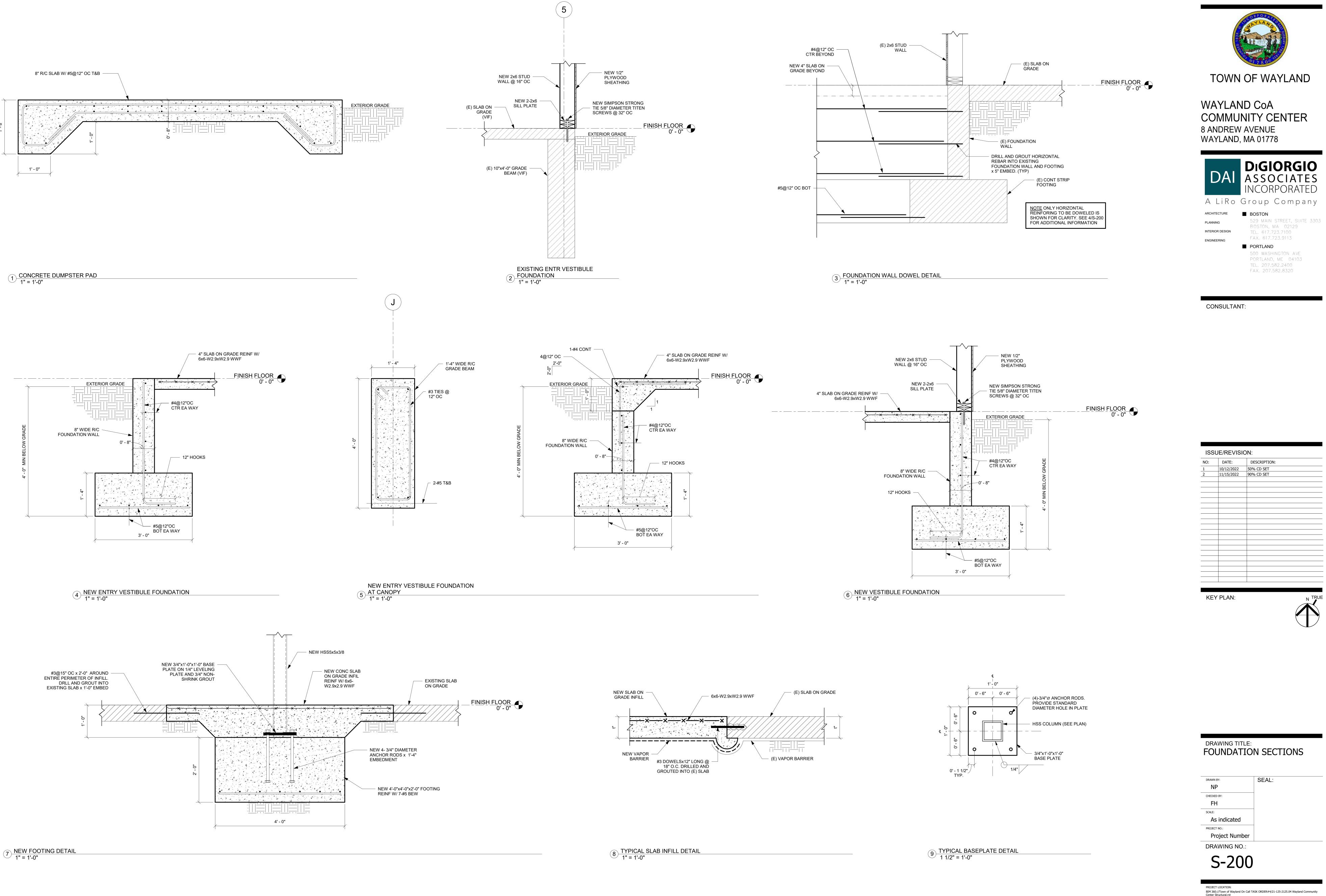
ISS	UE/REVISI	ON:
NO:	DATE:	DESCRIPTION:
1	10/12/2022	50% CD SET
2	11/15/2022	90% CD SET
	-	
KE'	Y PLAN:	N TRI

DRAWING TITLE: ROOF FRAMING PLAN

DRAWN BY:	SEAL:
NP	
CHECKED BY:	
FH	
SCALE:	
1/8" = 1'-0"	
PROJECT NO.:	
Project Number	
DRAWING NO.:	

PROJECT LOCATION: BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 Wayland Community DATE & TIME PRINTED: 11/15/2022 5:18:43 PM

S-101





WAYLAND CoA **COMMUNITY CENTER** 8 ANDREW AVENUE

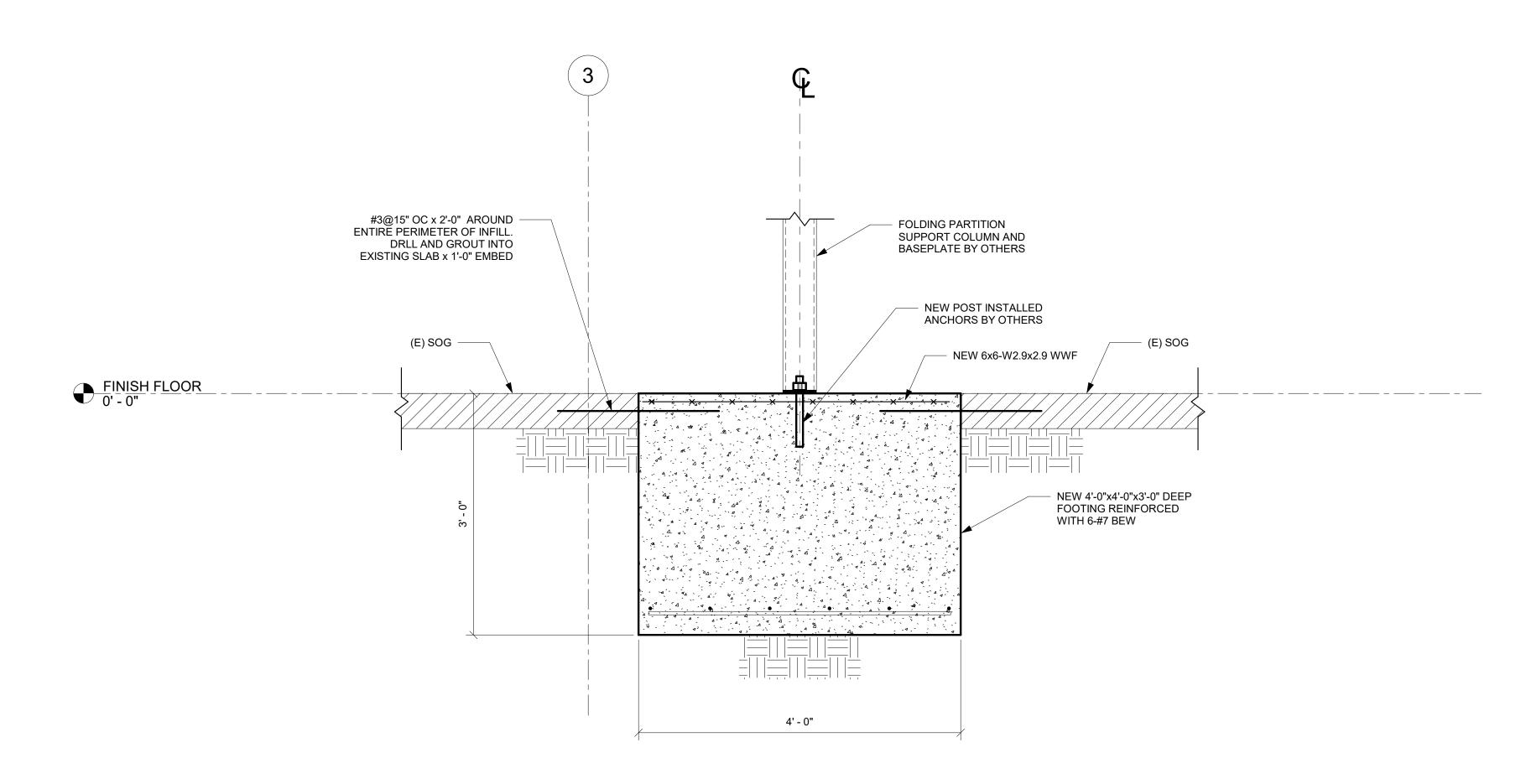


A LiRo Group Company

FAX. 617.723.9113 PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103

DESCRIPTION:

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 Wayland Community Center Structural.rvt DATE & TIME PRINTED: 11/15/2022 5:18:43 PM



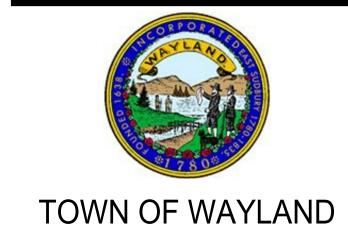
1" = 1'-0"

 FOLDING PARTITION
 SUPPORT COLUMN AND
 BASEPLATE BY OTHERS #3@15" OC x 2'-0" AROUND
 ENTIRE PERIMETER OF INFILL.
 DRLL AND GROUT INTO
 EXISTING SLAB x 1'-0" EMBED NEW POST-INSTALLED ANCHORS BY OTHERS (E) COL -(E) SOG — NEW 6x6-W2.9x2.9 WWF FINISH FLOOR
0' - 0" (E) 4'-0"x4'-0"x2'-0" FOOTING NEW 4'-0"x5'-0"x3'-0" DEEP FOOTING REINFORCED WITH 5#8 BSW & 4#8 BLW PROVIDE NEW BOND — BREAKER BARRIER BETWEEN FOOTINGS BY SIKA OR EQUIVALENT

PRE FABRICATED PARTITION

ECCENTRIC FOOTING

1" = 1'-0"



WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE WAYLAND, MA 01778



A LiRo Group Company

BOSTON INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

	T		
NO:	DATE:	DESCRIPTION:	
2	11/15/2022	90% CD SET	
			_

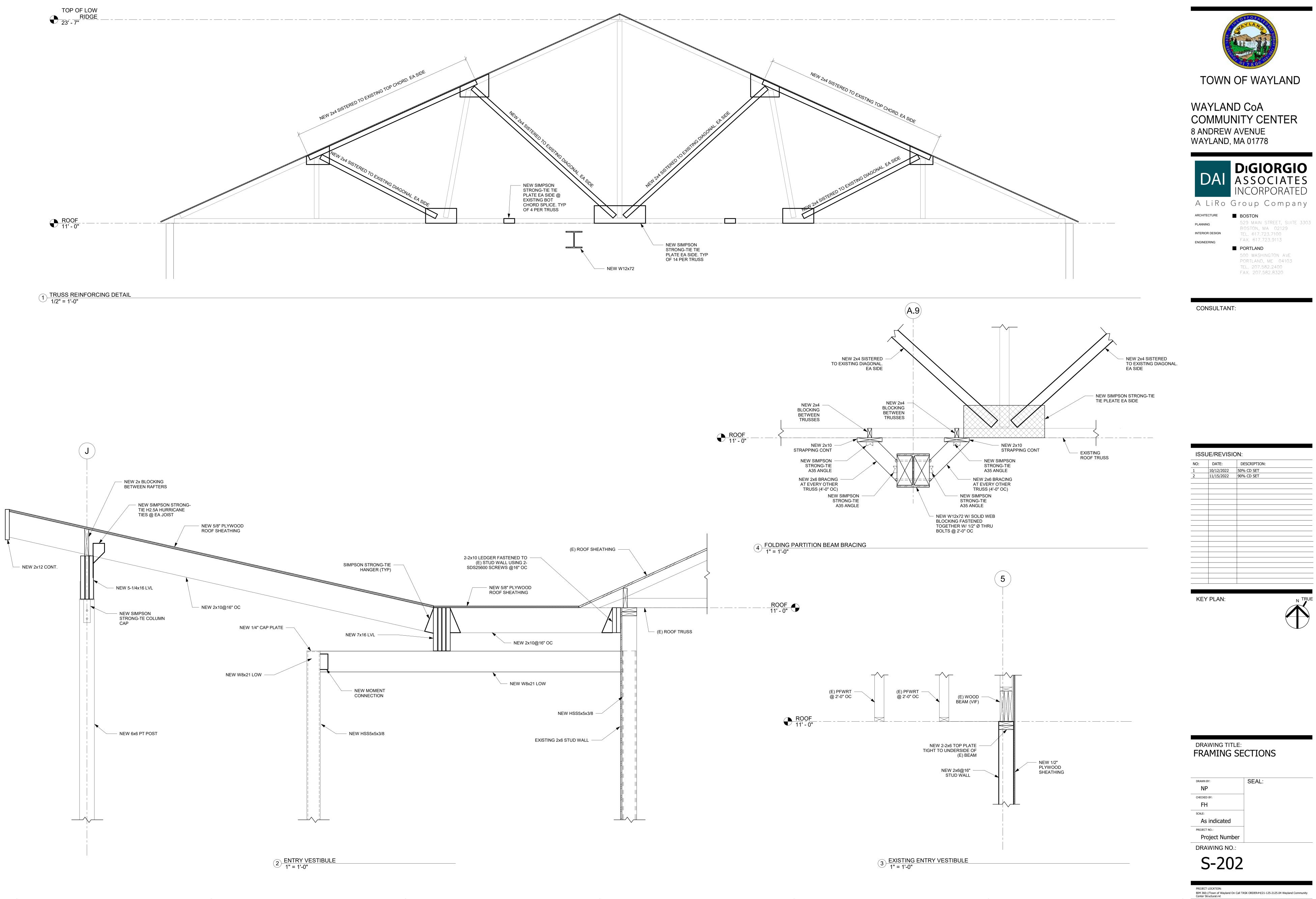
KEY PLAN:

DRAWING TITLE:	
FOUNDATION SECTIONS	

DRAWN BY:	SEAL:
Author	
CHECKED BY:	
Checker	
SCALE:	
1" = 1'-0"	
PROJECT NO.:	
Project Number	
DRAWING NO.:	1

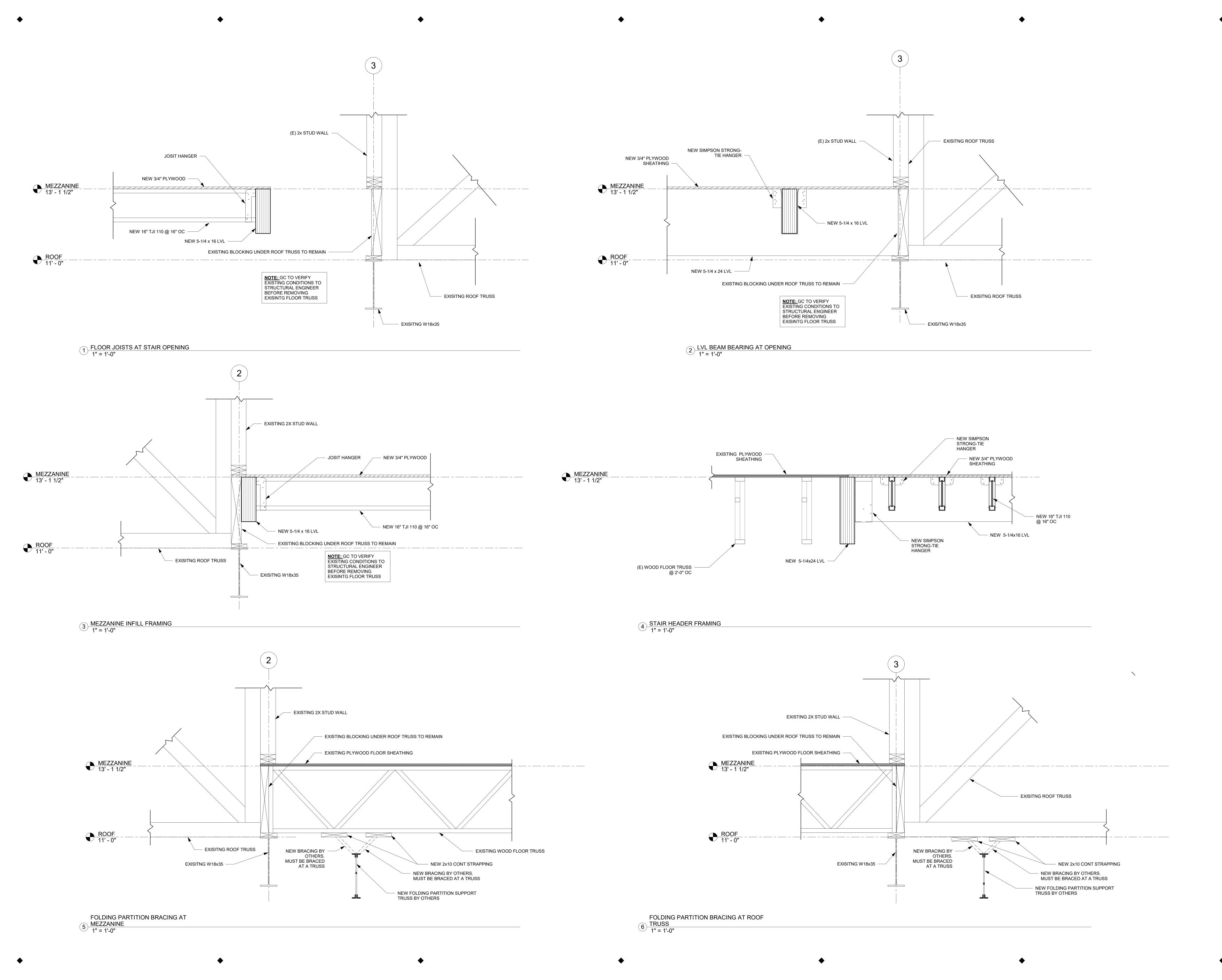
S-201

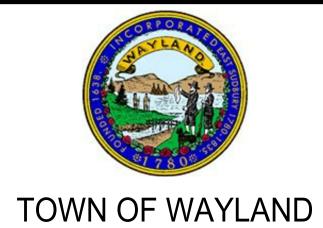
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 Wayland Community Center Structural.rvt DATE & TIME PRINTED: 11/15/2022 5:18:44 PM





DATE & TIME PRINTED: 11/15/2022 5:18:44 PM





WAYLAND CoA
COMMUNITY CENTER
8 ANDREW AVENUE

WAYLAND, MA 01778



A LiRo Group Company

ARCHITECTURE
PLANNING
INTERIOR DESIGN

529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:

NO: DATE: DESCRIPTION:

2 11/15/2022 90% CD SET

KEY PLAN:

DRAWING TITLE:
FRAMING SECTIONS

DRAWN BY:
Author

CHECKED BY:
Checker

SCALE:
1" = 1'-0"

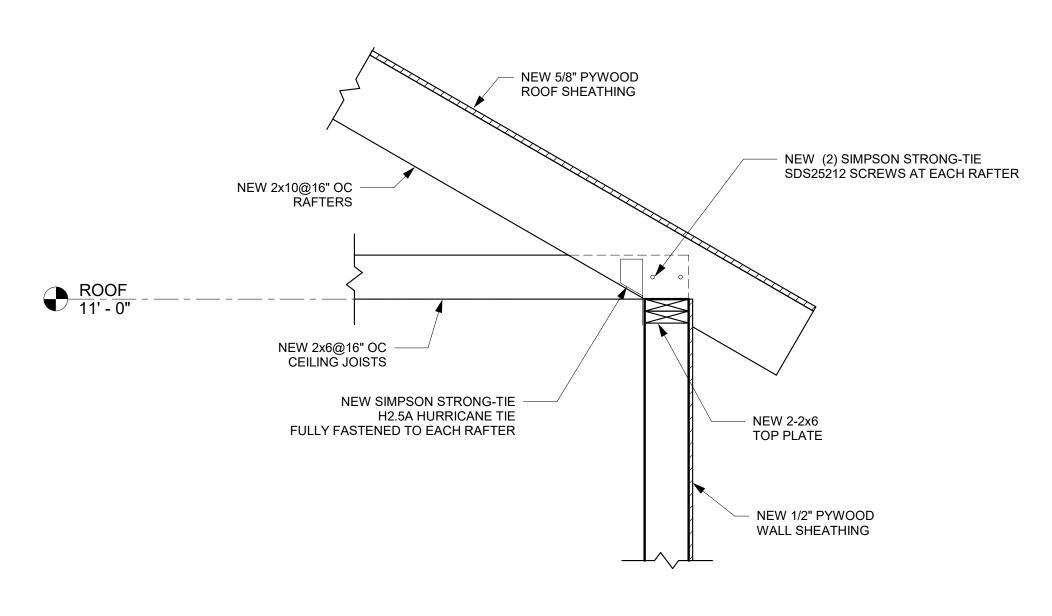
PROJECT NO.:
Project Number

DRAWING NO.:

S-203

PROJECT LOCATION:
BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 Wayland Community Center Structural.rvt

DATE & TIME PRINTED: 11/15/2022 5:18:44 PM



1 ROOF FRAMING AT NEW VESTIBULE
1" = 1'-0"



WAYLAND CoA COMMUNITY CENTER 8 ANDREW AVENUE WAYLAND, MA 01778



INTERIOR DESIGN

■ BOSTON 529 MAIN STREET, SUITE 3303 BOSTON, MA 02129 TEL. 617.723.7100 FAX. 617.723.9113

■ PORTLAND 500 WASHINGTON AVE PORTLAND, ME 04103 TEL. 207.582.2400 FAX. 207.582.8320

CONSULTANT:

ISSUE/REVISION:			
NO:	DATE:	DESCRIPTION:	
2	11/15/2022	90% CD SET	



DRAWING TITLE:
FRAMING SECTIONS

DRAWN BY:	SEAL:
Author	
CHECKED BY:	
Checker	
SCALE:	
1" = 1'-0"	
PROJECT NO.:	
Project Number	
DRAWING NO.:	

BIM 360://Town of Wayland On Call TASK ORDER#4/21-125-2125.04 Wayland Community Center Structural.rvt DATE & TIME PRINTED: 11/15/2022 5:18:45 PM