THE TOWERS

Shell Addition & Interior Renovation

18 TOWER LANE
NEW HAVEN, CT 06519

CIVIL ENGINEER | STRUCTURAL ENGINEER | M.E.P.FP. ENGINEER

CONSTRUCTION DOCUMENTS
9/23/2022

0' 250' 500' 1000' 2000'

DRAWING LIST

SHEET NUMBER	SHEET NAME
0.0-GENERAL	
0.00	COVERSHEET, DRAWING LIST, & SYMBOLS
G0.01	GENERAL NOTES & ABBREVIATIONS
G0.02	TYPICAL MOUNTING HEIGHTS
G1.01	CODE REVIEW INFORMATION & GROUND FLOOR CODE REVIEW
G2.01	EXTERIOR WALL & INTERIOR PARTITION TYPES
5	
0.01-CIVIL	
_VB101	BOUNDARY AND TOPOGTAPHIC SURVEY
C1.00	SITE PLAN
C1.50	SITE DETAILS I
C1.51	SITE DETAILS II
C3.00	GRADING, DRAINAGE, SITE UTILITY, SOIL EROSION AND SEDIMENT CONTROL PLAN
L2.00	SITE LIGHTING SURVEY
6	
1.0-ARCHITECTURAL DEMO	
AD1.01	GROUND & FIRST FLOOR SOUTH DEMOLITION PLAN
AD1.02	GROUND FLOOR NORTH DEMOLITION PLAN
AD1.03	ROOF DEMOLITION PLAN
AD1.51	GROUND FLOOR SOUTH DEMOLITION REFLECTED CEILING PLAN
AD1.52	GROUND FLOOR NORTH DEMOLITION REFLECTED CEILING PLAN
AD2.01	DEMOLITION ELEVATIONS
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1.1-ARCHITECTURAL	
A1.01	GROUND FLOOR OVERALL PLAN
A1.02	GROUND & FIRST FLOOR SOUTH PLAN
A1.03	GROUND FLOOR NORTH PLAN
A1.04	ROOF PLAN
A1.51	GROUND FLOOR SOUTH REFLECTED CEILING PLAN
A1.52	GROUND FLOOR NORTH REFLECTED CEILING PLAN
A2.01	EXTERIOR ELEVATIONS
A2.02	EXTERIOR ELEVATIONS
A3.01	BUILDING SECTIONS
A3.51	EXTERIOR WALL SECTIONS
A4.41	ENLARGED PLANS & INTERIOR ELEVATIONS
A4.51	ENLARGED CANOPY PLANS & SECTIONS
A5.11	WALL SECTION DETAILS
A5.21	ROOF DETAILS
A5.22	ROOF DETAILS
A5.31	EXTERIOR PLAN DETAILS
A5.51	CEILING DETAILS
A6.00	DOOR & FRAME SCHEDULE, TYPES, & DETAILS
A6.11	CURTAIN WALL & STOREFRONT TYPES & DETAILS
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ID-001	DRAWING NOTES & FINISH KEY
ID-002	DEMOLITION FINISH PLAN
ID-100N	GROUND FLOOR NORTH - FINISH PLAN
ID-100S	GROUND FLOOR SOUTH - FINISH PLAN
ID-200	ROOM FINISH SCHEDULES
ID-301	ENLARGED - TOWER ONE LOBBY
ID-302	ENLARGED - SUN ROOM & MEETING ROOM
ID-303	ENLARGED - ELEV LOBBY - SOUTH
ID-304	ENLARGED - GIFT SHOP & SALON
ID-305	ENLARGED - MULTI-STALL TOILET ROOMS
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ID-307	ENLARGED - DINING ELEVATIONS
ID-308	ENLARGED - DINING ELEVATIONS
ID-309	ENLARGED PLAN - ELM GRILLE PRIVATE DINING
ID-310	ENLARGED - SANCTUARY & FELLOWSHIP
ID-311	ENLARGED PLANS - TOWER EAST LOUNGE
ID-312	ENLARGED - TOWER EAST LOBBY
ID-313	ENLARGED - CREATIVITY STUDIO AND STAFF LOUNGE
ID-314	ENLARGED - KITCHEN
ID-400N	FURNITURE PLAN - NORTH
ID-400S	FURNITURE PLAN - SOUTH
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ID-502	MILLWORK DETAILS - DESKS
ID-503	MILLWORK DETAILS
ID-504	MILLWORK DETAILS
ID-505	MILLWORK DETAILS
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S1.01	FOUNDATION SOUTH PLAN
S1.03	PARTIAL LOW ROOF FRAMING PLAN
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S2.00	COLUMN SCHEDULE AND DETAILS
S3.00	FOUNDATION SECTIONS
S5.00	ROOF SECTIONS
S5.01	ROOF SECTIONS
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S6.01	TYPICAL DETAILS
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4.0-FIRE PROTECTION DEMO	
FP0.00	FIRE PROTECTION ABBREVIATIONS, NOTES AND SYMBOLS
FPD1.00	FIRE PROTECTION GROUND & FIRST FLOOR SOUTH DEMOLITION PLAN
FPD1.01	FIRE PROTECTION GROUND FLOOR NORTH DEMOLITION PLAN
3	
4.1-FIRE PROTECTION	
FP1.00	FIRE PROTECTION GROUND & FIRST FLOOR SOUTH PLAN
FP1.01	FIRE PROTECTION GROUND FLOOR NORTH PLAN
FP5.00	FIRE PROTECTION DETAILS
5.0-PLUMBING DEMO	
P0.00	PLUMBING ABBREVIATIONS, NOTES AND SYMBOLS
PD1.02	PLUMBING GROUND FLOOR SOUTH DEMOLITION PLAN
PD1.03	PLUMBING GROUND FLOOR NORTH DEMOLITION PLAN
3	
5.1-PLUMBING	
P1.00	PLUMBING UNDERGROUND SOUTH PLAN
P1.01	PLUMBING UNDERGROUND NORTH PLAN
P1.02	PLUMBING GROUND FLOOR SOUTH PLAN
P1.03	PLUMBING GROUND FLOOR NORTH PLAN
P1.04	PLUMBING FIRST FLOOR/ROOF LEVEL SOUTH PLAN
P4.00	PLUMBING ENLARGED KITCHEN PLAN
P4.01	PLUMBING ENLARGED PLANS
P5.00	PLUMBING DETAILS
P6.00	PLUMBING SCHEDULES AND DIAGRAMS
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6.0-MECHANICAL DEMO	
M0.00	MECHANICAL ABBREVIATIONS, NOTES AND SYMBOLS
MD1.00	MECHANICAL GROUND & FIRST FLOOR SOUTH DEMOLITION PLAN
MD1.01	MECHANICAL GROUND FLOOR NORTH DEMOLITION PLAN
3	
6.1-MECHANICAL	
M1.00	MECHANICAL DUCTWORK GROUND & FIRST FLOOR SOUTH PLAN
M1.01	MECHANICAL DUCTWORK GROUND FLOOR NORTH PLAN
M1.02	MECHANICAL ROOF LEVEL FLOOR PLAN
MP1.00	MECHANICAL PIPING GROUND & FIRST FLOOR SOUTH PLAN
MP1.01	MECHANICAL PIPING FLOOR PLAN
M1.03	MECHANICAL ROOF LEVEL FLOOR PLAN
M5.00	MECHANICAL DETAILS
M6.00	MECHANICAL SCHEDULES AND DIAGRAMS
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7.0-ELECTRICAL DEMO	
E0.00	ELECTRICAL ABBREVIATIONS, NOTES AND SYMBOLS
ED1.01	GROUND & FIRST FLOOR SOUTH - ELECTRICAL DEMOLITION PLAN
ED1.02	GROUND FLOOR NORTH - ELECTRICAL DEMOLITION PLAN
3	
7.1-ELECTRICAL	
EL1.01	GROUND & FIRST FLOOR SOUTH - ELECTRICAL LIGHTING PLAN
EL1.02	GROUND FLOOR NORTH - ELECTRICAL LIGHTING PLAN
EP1.01	GROUND & FIRST FLOOR SOUTH - ELECTRICAL POWER PLAN
EP1.02	GROUND FLOOR NORTH - ELECTRICAL POWER PLAN
EP1.11	GROUND FLOOR ROOF SOUTH - ELECTRICAL POWER PLAN
E4.00	ELECTRICAL ENLARGED PLAN - KITCHEN
E5.00	ELECTRICAL DETAILS
E5.01	ELECTRICAL DETAILS
E6.00	ELECTRICAL SCHEDULES AND DIAGRAMS
E6.01	ELECTRICAL SCHEDULES
10	
Grand total: 115	

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MATERIAL SYMBOLS

BRICK
CMU
CONCRETE
GWB
GRASS
DRAINAGE MAT, WEEP HOLES
RIGID INSULATION
WOOD
STEEL
BATT INSULATION
WOOD BLOCKING
WOOD SHIM
PLYWOOD
BACKER ROD & SEALANT

DRAFTING SYMBOLS

X / XXXX — BUILDING SECTIONS
X / XXX — WALL SECTIONS
X / XXXX — DETAILS, ENLARGED PLANS
A1 / A4 A111 A2 / A3 — INTERIOR ELEVATION
A201 A2 — EXTERIOR ELEVATION
Xx — WINDOW TYPE
XXX — DOOR TYPE
X — WALL TYPE
10'-0" — Name / Elevation — ELEVATION
X — CENTER LINE, COLUMN BUBBLE
DASHED LINE, HIDDEN, ABOVE OR BEHIND
Room name / 101 — ROOM NAME/ ROOM NUMBER
PROPERTY LINE/LIMIT OF CONSTRUCTION
MATCHLINE

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CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
1	10/03/2022	ADDENDUM #1

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
COVERSHEET, DRAWING LIST, & SYMBOLS

SCALE: **12" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**

DRAWING NUMBER:
0.00

10/3/2022 12:33:18 PM Autodesk Docs://20200157-The Towers/20200157-The Towers-Arch.rvt

CONSTRUCTION NOTES

1. ALL WORK SHOWN OR IMPLIED SHALL COMPLY WITH APPLICABLE LOCAL, STATE AND NATIONAL BUILDING CODES, REGULATIONS AND ORDINANCES. ALL CONFLICTS, OMMISIONS OR DISCREPANCIES WITHIN THE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF NEWMAN ARCHITECTS FOR RESOLUTION AND DIRECTION PRIOR TO COMMENCEMENT OF THE WORK IN QUESTION. ANY WORK THAT PROCEEDS OTHERWISE, IF INCORRECTLY PERFORMED, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT THROUGH THE INSPECTION OF THE SITE, DRAWINGS AND SPECIFICATIONS, SO AS TO THOROUGHLY UNDERSTAND THE SCOPE OF WORK.

3. INTERIOR PARTITION WALLS ARE DIMENSIONED TO THE FACE OF MASONRY SURFACES AND THE FACE OF PARTITIONS, UNLESS OTHERWISE NOTED. WHERE DIMENSIONS ARE NOT INDICATED, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING.

4. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS REQUIRED FOR THE WORK INDICATED, AND SHALL COORDINATE ALL ASPECTS OF THE PROJECT PRIOR TO COMMENCEMENT OF RELATED WORK.

5. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL DOCUMENT THE EXISTING CONDITIONS PHOTOGRAPHICALLY AND ON VIDEO, NOTING IN PARTICULAR ANY DAMAGES NOT INDICATED TO BE REPAIRED AS PART OF THIS PROJECT SCOPE, AND ANY OTHER RELEVANT ISSUES.

6. ALL WORK, WHETHER IMPLIED OR REASONABLY INFERABLE FROM THE CONTRACT DOCUMENTS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DRAWINGS AND SPECIFICATIONS ARE DIRECTED TO THE ATTENTION OF THE CONTRACTOR AND THE INCLUSION OF ANY WORK BY MENTION, NOTE, DETAIL, ITEMIZATION OR IMPLICATION, HOWEVER BRIEF, MEANS THAT THE CONTRACTOR SHALL PROVIDE AND PERFORM THE SAME. ALL WORK PERFORMED SHALL INCLUDE ALL APPURTENANCES AND APPARATUS NORMALLY DEEMED TO BE A PART OF A COMPLETE PACKAGE.

7. DEMOLITION WORK, CUTTING AND PATCHING OF EXISTING FLOORS, CEILINGS, WALLS AND ANY FINISH WORK SHALL BE COORDINATED BY THE CONTRACTOR WHO SHALL DETERMINE THE MOST EFFICIENT METHOD AND LOCATION FOR SUCH.

DEMOLITION NOTES

1. THE DRAWINGS SHOW THE APPROXIMATE EXTENT OF ARCHITECTURAL DEMOLITION ONLY. COORDINATE WITH ALL DISCIPLINES' DOCUMENTS INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION FOR FULL SCOPE OF WORK THAT REQUIRES DEMOLITION, REMOVALS, AND/OR CUTTING & PATCHING.

2. ALL CONTRACTORS SHALL VISIT THE PROJECT SITE AND BUILDING, AS WELL AS REVIEW ALL EXISTING DOCUMENTATION ON FILE WITH THE OWNER, SO AS TO ADEQUATELY UNDERSTAND THE SCOPE OF DEMOLITION WORK, BOTH EXPLICITILY STATED AND IMPLIED.

3. DEMOLITION WORK INDICATED ON THE CONSTRUCTION DOCUMENTS IS INTENDED AS AN OVERVIEW OF THE DEMOLITION SCOPE. THEY ARE NOT INTENDED AS A COMPLETE DESCRIPTION OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT, NOR IS IT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY ASPECT OF SELECTIVE DEMOLITION REQUIRED TO PERFORM THE PROJECT SCOPE. UNLESS SPECIFICALLY NOTED OTHERWISE, SELECTIVE DEMOLITION OR REMOVAL OF EXISTING FINISHES FOR THE PURPOSE OF INSTALLING NEW SYSTEMS SHALL BE COORDINATED BY THE CONTRACTOR WHO SHALL DETERMINE THE MOST EFFICIENT METHOD AND LOCATION FOR SUCH THE WORK SHALL BE PERFORMED SO AS TO MINIMIZE DISTURBANCE OF EXISTING MATERIALS. ALL HARDWARE, MASTICS, CONCEALED WORK THAT IS PART OF THAT WHICH IS NOTED SHALL ALSO BE INCLUDED.

4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO REPORT ALL CONFLICTS, DISCREPANCIES AND OMMISIONS CONTAINED IN THE DOCUMENTS, AND OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BEGINNING WORK. ANY WORK THAT PROCEEDS OTHERWISE, IF INCORRECTLY PERFORMED, SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IN ADDITION, THE CONTRATOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL COSTS THAT MAY RESULT FROM SUCH ACTION.

5. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL REVIEW THE EXISTING BUILDING AND DETERMINE THE EXTENT OF EXISTING FINISHES, SPECIALTIES, CASEWORK, EQUIPMENT AND OTHER ITEMS THAT MUST BE REMOVED AND/OR REINSTALLED IN ORDER TO PROPERLY PERFORM THE WORK. PRIOR TO THE BEGINNING OF ANY WORK, THE CONTRACTOR SHALL DOCUMENT THE EXISTING CONDITIONS PHOTOGRAPHICALLY AND ON VIDEO NOTING IN PARTICULAR ALL DAMAGE TO FINISHES, ASSEMBLIES AND EQUIPMENT TO REMAIN AND NOT INDICATED TO BE REPAIRED AS PART OF THIS PROJECT. THIS RECORD SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT FOR REVIEW PRIOR TO BEGINNING WORK. THIS IS FOR THE PROTECTION OF THE CONTRACTOR. REQUIRED REPAIRS TO ALL DAMAGE LATER FOUND THAT IS NOT RECORDED IN ACCORDANCE WITH THIS REQUIREMENT SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR WHO SHALL REPAIR OR REPLACE SUCH DAMAGE AT THEIR OWN EXPENSE.

6. REFER TO THE PROJECT MANUAL FOR PROCEDURES REGARDING FINDING AND/OR SUSPECTING THE EXISTANCE OF HAZARDOUS MATERIALS.

7. PARTITIONS SHOWN ON THE DEMOLITION PLANS WITH A DASHED LINE SHALL BE REMOVED IN THEIR ENTIRETY. IF EXTENT OF REMOVAL IS UNCERTAIN, CONSULT WITH THE ARCHITECT PRIOR TO COMMENCING WITH WORK. REMOVE PARTITIONS DOWN TO THE STRUCTURAL SUB-FLOOR, LEVEL SLABS ON BOTH SIDES OF THE DEMOLISHED PARTITION AND FILL GAP LEFT BY THE PARTITION. SURFACES SHALL BE MADE LEVEL AND SMOOTH AS REQUIRED FOR INSTALLATION OF NEW FLOORING.

8. WHERE EXISTING WALLS AND CEILINGS ARE DISTURBED BY NEW CONSTRUCTION, PATCH AND FINISH TO MATCH EXISTING ADJACENT SURFACES.

9. WHEREVER WORK IS INDICATED TO BE REMOVED AND DISCARDED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DO SO LEGALLY. PROPER METHODS FOR THE HANDLING AND DISPOSAL OF ANY HAZARDOUS MATERIALS SHALL BE THE RESPONSIBILITY OF THE OWNER.

10. THE TERM "SALVAGE" SHALL BE UNDERSTOOD TO MEAN DELIVER TO OWNER OR STORE FOR REUSE IN THE PROJECT.

11. WHERE EXISTING FIXTURES, DEVICES, ETC. ARE CALLED TO BE REMOVED AND NOT REINSTALLED, PATCH TO MATCH EXISTING ADJACENT SURFACES AND MAINTAIN ANY REQUIRED FIRE RATINGS.

FLOOR PLAN NOTES

1. BUILDING LAYOUT, DATUMS AND REFERENCE INFORMATION CAN BE FOUND ON THE CIVIL DRAWINGS.

2. COLUMN GRID LINES ARE INDICATED ON THE ARCHITECTURAL FLOOR PLANS FOR REFERENCE PURPOSES ONLY. SEE STRUCTURAL DRAWINGS FOR COLUMN GRID LAYOUT AND DIMENSIONS.

3. DOORS, WINDOWS AND LOUVERS LOCATED IN FRAMED WALLS ARE DIMENSIONED TO THE CENTERLINE OF THE OPENING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING ROUGH OPENINGS BY REFERENCING OTHER DOCUMENTS SUCH AS SCHEDULES, DETAILS AND SPECIFICATIONS, UNLESS A SPECIFIC SIZE IS INDICATED.

4. DOORS LOCATED TIGHT TO A PERPENDICULAR INTERSECTION OF WALLS SHALL BE LOCATED 4" FROM THE PERPENDICULAR WALL PLANE, UNLESS NOTED OTHERWISE. COORDINATE WITH DOOR HARDWARE.

5. MASONRY OPENINGS ARE NOMINAL DIMENSIONS.

6. WHERE DIMENSION STRINGS LOCATING REPETITIVE ELEMENTS (I.E. WINDOWS) ARE LEFT UNDESIGNATED, ASSUME EQUAL SPACING.

7. HOLD CRITICAL DIMENSIONS NOTED AS SUCH.

8. CALCULATE/ LOCATE WORK IN THE FIELD WHERE INDICATED BY NOTES CALLING FOR ALIGNMENTS AND OTHER GEOMETRIC RELATIONSHIPS.

9. TO MINIMIZE CONFLICTS, EFFORT HAS BEEN MADE TO DIMENSION CRITICAL ELEMENTS IN ONLY ONE LOCATION. AS A GENERAL RULE, DIMENSIONS WILL BE FOUND ON THE LARGEST SCALE PLAN OR DETAIL RELATED TO SUCH ELEMENTS.

10. REFER TO INTERIOR PARTITION TYPE SHEET(S) FOR DIMENSIONS OF INTERIOR PARTITIONS.

11. AT ALL CORRIDOR WALLS, CUSTODIAN SPACES, STORAGE ROOMS AND BOILER ROOMS PROVIDE (2) CONTINUOUS BEADS OF SEALANT BETWEEN THE TOP OF THE PARTITION AND THE BOTTOM OF THE PARTITION TO PREVENT THE PASSAGE OF SMOKE.

12. REFER TO THE PROJECT MANUAL FOR ADDITIONAL NOTES AND DIMENSIONS RELATED TO APPLICABLE REFERENCE STANDARDS, EQUIPMENT, STOCK MANUFACTURED COMPONENTS AND THICKNESS OF MATERIALS.

13. EFFORT HAS BEEN MADE TO ACCOUNT FOR STANDARD CONSTRUCTION TOLERANCES WITHIN THE DIMENSIONS INDICATED. THE CONTRACTOR(S) SHALL REVIEW THE DOCUMENTS AND CONFIRM ADEQUATE ALLOWANCES HAVE BEEN PROVIDED PRIOR TO COMMENCING WITH THE WORK. THE CONTRACTOR(S) SHALL NOTIFY THE ARCHITECT, IN ADVANCE OF COMMENCING WITH THE WORK, IF DIMENSIONAL ADJUSTMENTS ARE REQUIRED.

14. PROVIDE FULL-HEIGHT FIRE TREATED AND PAINTED 3/4" PLYWOOD AT ALL ELECTRICAL, DATA AND MECHANICAL ROOM WALLS WITH WALL MOUNTED EQUIPMENT

EXTERIOR WINDOW, STOREFRONT & CURTAIN WALLS

1. FIELD VERIFY ALL ROUGH OPENINGS PRIOR TO FABRICATION OF UNITS.

2. PROVIDE FULLY SOLDERED STAINLESS STEEL SILL FLASHING AT ALL UNITS, UNLESS NOTED OTHERWISE.

3. AT ALL EXTERIOR PENETRATIONS, PROVIDE STRIPPED-IN SELF-ADHERING MEMBRANE FLASHING. STRIP TO RUN FROM INSIDE EDGE OF OPENING AROUND BLOCKING AND EXTEND 8" OUT ONTO PLANE OF CLADDING/ VENEER SUBSTRATE.

4. ALL UNITS TO HAVE PERIMETER SEALANT BEADS AND REDUNDANT BACKER.
- EXTERIOR JOINT SEALANT BETWEEN UNIT AND JAMB AT EXTERIOR UNIT EDGE.
- EXTERIOR JOINT SEALANT BETWEEN UNIT AND JAMB AT INTERIOR UNIT EDGE.
- INTERIOR JOINT SEALANT BETWEEN UNIT AND INTERIOR FINISH MATERIAL.

5. ALL UNITS TO BE SET ON A 2" WIDE CONTINUOUS STRIP OF ASPHALT IMPREGNATED EXPANDABLE FOAM SEALANT TAPE.

6. CURTAINWALL INSTALLER/ FABRICATOR TO INCLUDE STEEL MULLION REINFORCING, AS REQUIRED, TO MEET LOCAL WIND LOAD REQUIREMENTS.

ROOF PLAN NOTES

1. SEE M.E.P.FP. DRAWINGS FOR ALL MECHANICAL PENETRATIONS SUCH AS CONDUITS, PIPING, DUCTWORK, VENTS, ETC.

2. REFER TO ROOF TYPE DRAWING DETAILS ON SHEET A5.21 FOR ROOF ASSEMBLY INFORMATION.

3. PROVIDE (4) 24"x24" CONCRETE ROOF PAVERS AT ALL DOORS, MECHANICAL UNIT ACCESS PANELS AND AT THE TOP AND BOTTOM OF ALL ROOF LADDERS.

4. PROVIDE (1) 24"x24" CONCRETE ROOF PAVER AT ALL MECHANICAL UNIT CONDENSATE DISCHARGE PIPES.

5. PROVIDE A CONTINUOUS 30" WIDE WALKWAY PAD FROM ROOF ACCESS POINTS TO ALL SERVICABLE ROOF TOP EQUIPMENT.

6. DETAIL KEYS ARE INTENDED TO INDICATE AND CLARIFY THE EXTENT OF THE WORK; THEY DO NOT INDICATE EVERY LOCATION OR OCCURANCE OF THE REQUIRED WORK. THE LACK OF A DETAIL KEY TO AN INDIVIDUAL ITEM OF WORK WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO EXECUTE THAT WORK AS PART OF THE CONTRACT WHEN THE REQUIREMENTS FOR THAT WORK CAN BE LOGICALLY INFERRED BY OTHER PARTS OF THE CONTRACT DOCUMENTS.

7. ROOFTOP GUARD RAILS ARE REQUIRED AT ANY SERVICABLE ROOFTOP EQUIPMENT (RTU's, FANS, HATCHES, ETC.) WITHIN 10'-0" OF THE ROOF EDGE. ROOFTOP GUARDS HAVE BEEN LOCATED ON THE ROOF PLANS TO MEET THIS REQUIREMENT, IF ANY OTHER SERVICABLE ROOFTOP EQUIPMENT IS FOUND TO BE WITHIN 10'-0" OF THE ROOF EDGE A ROOFTOP GUARD RAIL SHALL BE INSTALLED.

DOOR SCHEDULE NOTES

1. SEE DRAWING A6.00 FOR DOOR AND FRAME TYPES AND DETAILS.

2. SEE DRAWING A6.11 FOR CURTAIN WALL TYPES AND DETAILS.

3. SEE DRAWING A6.13 AND A6.14 FOR STOREFRONT TYPES AND DETAILS.

4. FOR HARDWARE INFORMATION, SEE SECTION 087100 DOOR HARDWARE.

ENLARGED INTERIOR PLAN & ELEVATION NOTES

1. DOORS LOCATED TIGHT TO A PERPENDICULAR INTERSECTION OF WALLS SHALL BE LOCATED 4" FROM THE PERPENDICULAR WALL PLANE, UNLESS NOTED OTHERWISE.

2. HOLD CRITICAL DIMENSIONS NOTED AS SUCH.

3. CALCULATE/ LOCATE WORK IN THE FIELD WHERE INDICATED BY NOTES CALLING FOR ALIGNMENTS AND OTHER GEOMETRIC RELATIONSHIPS.

4. REFER TO INTERIOR WALL TYPE DRAWING DETAILS ON SHEET G2.01 FOR DIMENSIONS OF INTERIOR PARTITIONS.

5. INTERIOR PARTITION WALLS ARE DIMENSIONED TO THE FACE OF MASONRY SURFACES AND THE FACE OF STUD FRAMING, UNLESS OTHERWISE NOTED. WHERE DIMENSIONS ARE NOT INDICATED, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING.

6. REFER TO SPECIFICATIONS FOR ADDITIONAL NOTES AND DIMENSIONS RELATED TO APPLICABLE REFERENCE STANDARDS, EQUIPMENT, STOCK MANUFACTURED COMPONENTS AND THICKNESS OF MATERIALS.

7. EFFORT HAS BEEN MADE TO ACCOUNT FOR STANDARD CONSTRUCTION TOLERANCES WITHIN THE DIMENSIONS INDICATED. THE CONTRACTOR(S) SHALL REVIEW THE DOCUMENTS AND CONFIRM ADEQUATE ALLOWANCES HAVE BEEN PROVIDED FOR PRIOR TO COMMENCING WITH THE WORK. THE CONTRACTOR(S) SHALL NOTIFY THE ARCHITECT, IN ADVANCE OF COMMENCING WITH THE WORK, IF DIMENSIONAL ADJUSTMENTS ARE REQUIRED.

8. PROVIDE FULL-HEIGHT FIRE TREATED AND PAINTED 3/4" PLYWOOD AT ALL ELECTRICAL, DATA AND MECHANICAL ROOM WALLS WITH WALL MOUNTED EQUIPMENT

9. REFER TO DRAWING G0.02 FOR TYPICAL/ REQUIRED MOUNTING HEIGHTS AND CLEARANCES.

10. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF EQUIPMENT, DEVICES, AND ACCESSORIES.

11. PROVIDE FIRE-RETARDANT-TREATED WOOD BLOCKING IN ALL RATED WALL ASSEMBLIES.

12. REFER TO THE DOOR SCHEDULE FOR DOOR SIGNAGE TYPE INFORMATION.

13. REFER TO DRAWING A8.01 FOR CASEWORK INFORMATION.

14. REFER TO DRAWING A8.21 FOR MILLWORK INFORMATION.

ENLARGED TOILET PLAN & ELEVATION NOTES

1. DOORS LOCATED TIGHT TO A PERPENDICULAR INTERSECTION OF WALLS SHALL BE LOCATED 4" FROM THE PERPENDICULAR WALL PLANE, UNLESS NOTED OTHERWISE.

2. HOLD CRITICAL DIMENSIONS NOTED AS SUCH.

3. CALCULATE/ LOCATE WORK IN THE FIELD WHERE INDICATED BY NOTES CALLING FOR ALIGNMENTS AND OTHER GEOMETRIC RELATIONSHIPS.

4. REFER TO INTERIOR WALL TYPE DRAWING DETAILS ON SHEET G2.01 FOR DIMENSIONS OF INTERIOR PARTITIONS.

5. INTERIOR PARTITON WALLS ARE DIMENSIONED TO THE FACE OF FINISH SURFACES, UNLESS OTHERWISE NOTED.

6. REFER TO PROJECT MANUAL FOR ADDITIONAL NOTES AND DIMENSIONS RELATED TO APPLICABLE REFERENCE STANDARDS, EQUIPMENT, STOCK MANUFACTURED COMPONENTS AND THICKNESS OF MATERIALS.

7. EFFORT HAS BEEN MADE TO ACCOUNT FOR STANDARD CONSTRUCTION TOLERANCES WITHIN THE DIMENSIONS INDICATED. THE CONTRACTOR(S) SHALL REVIEW THE DOCUMENTS AND CONFIRM ADEQUATE ALLOWANCES HAVE BEEN PROVIDED FOR PRIOR TO COMMENCING WITH THE WORK. THE CONTRACTOR(S) SHALL NOTIFY THE ARCHITECT, IN ADVANCE OF COMMENCING WITH THE WORK, IF DIMENSIONAL ADJUSTMENTS ARE REQUIRED.

8. REFER TO DRAWING G0.02 FOR TYPICAL/ REQUIRED MOUNTING HEIGHTS AND CLEARANCES.

9. PROVIDE SURFACE PREPARATION ON ALL SUBSTRATES, AS REQUIRED, TO ASSURE CONSISTENT FINISH.

10. FLOOR DRAINS LOCATED IN TILE FLOORS ARE TO HAVE SQUARE GRATES AND FLANGES. SLOPE FLOORS TO DRAIN MINMIUM 1/8" PER FOOT.

11. PROVIDE SILICONE SEALANT AT JOINTS BETWEEN ALL DISSIMILAR MATERIALS. SEALANT COLOR TO BE SELECTED BY ARCHITECT.

12. WHERE POSSIBLE, MOUNT TOILET ACCESSORIES TO ALIGN WITH HORIZONTAL AND VERTICAL GROUT LINES.

13. DO NOT RECESS OR SEMI-RECESS ANY ACCESSORIES IN FIRE RATED WALL ASSEMBLIES.

14. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF ACCESSORIES.

15. PROVIDE FIRE-RETARDANT-TREATED WOOD BLOCKING IN ALL RATED WALL ASSEMBLIES.

16. REFER TO THE DOOR SCHEDULE FOR DOOR SIGNAGE TYPE INFORMATION.

17. REFER TO DRAWING A8.01 FOR CASEWORK INFORMATION.

18. REFER TO DRAWING A8.21 FOR MILLWORK INFORMATION.

INTERIOR PARTITION NOTES

1. ALL PARTITIONS FULL HEIGHT TO UNDERSIDE OF STRUCTURE, UNLESS OTHERWISE NOTED.

2. PROVIDE TYPE "X" GYPSUM WALL BOARD AT ALL RATED PARTITIONS.

3. PROVIDE MOISTURE RESISTANT GYPSUM WALL BOARD AT ALL WET ROOM LOCATIONS.

4. PROVIDE FIRESAFING BETWEEN THE TOP OF PARTITION AND METAL DECK AT FIRE RATED PARTITION LOCATIONS.

5. PROVIDE FIRE SEALANT BETWEEN THE TOP OF PARTITION AND UNDERSIDE OF STRUCTURE AT FIRE RATED PARTITION LOCATIONS.

6. PROVIDE FIRE SEALANT AROUND ALL PENETRATIONS, PIPING, CONDUIT, DUCTS, CABLES, WIRES AND ALL BUILDING SERVICE INFRASTRUCTURE AT FIRE RATED PARTITIONS.

7. CLOSE OFF THE TOP AND BOTTOM OF FIRE RATED SHAFTS WITH TESTED FIRE RATED ASSEMBLIES HAVING A MINIMUM FIRE RATING OF THE SHAFT IT IS ENCLOSING.

8. AT ALL NON-RATED CORRIDORS, CUSTODIAN SPACES, STORAGE ROOMS AND BOILER ROOMS FILL ALL VOIDS BETWEEN TOP AND BOTTOM OF PARTITION TRACK AND DECK OR SLAB WITH INSULATION AND PROVIDE (2) CONTINUOUS BEADS OF SEALANT TO PREVENT THE PASSAGE OF SMOKE.

9. PROVIDE ACOUSTICAL SEALANT AT ALL OPENINGS, PENETRATIONS IN AND AROUND THE PERIMETER OF PARTITIONS TO CREATE FULL SMOKE TIGHT CONSTRUCTION AT ALL NON-RATED WALLS. PROVIDE A BEAD OF SEALANT AT EDGE OF GYPSUM WALL BOARD PANEL AT EACH SIDE OF PARTITION.

10. TOP AND BOTTOM TRACKS OF ALL METAL STUD PARTITIONS SHALL BE SET IN (2) CONTINUOUS BEADS OF ACOUSTICAL SEALANT. WHERE TOP TRACK IS FASTENED TO METAL DECK, FILL DECK FLUTES WITH SOUND BLANKET (OR FIRE SAFING AT RATED PARTITIONS)

11. SET GYPSUM WALL BOARD INTO CONTINUOUS BEAD OF ACOUSTIC SEALANT ALONG FLANGES OF TOP AND BOTTOM TRACKS.

12. PROVIDE SUPPORT FOR DOUBLE STUD STC RATED PARTITIONS AT THE FLOOR AND AT THE STRUCTURE ABOVE. RIGID CONNECTION BETWEEN DOUBLE STUD STC RATED PARTITIONS WILL NOT BE ACCEPTED.

13. PROVIDE METAL BACK UP PLATES OR WOOD BLOCKING IN PARTITIONS TO ALLOW FOR THE ANCHORAGE OF ALL MISCELLANEOUS ITEMS TO THE PARTITION SUCH AS ACCESSORIES, MILLWORK, SIGNS, DISPLAY BOARDS, ETC. METAL BACK UP PLATES TO BE 6" WIDE, 16 GA. GALVANIZED, UNLESS OTHERWISE NOTED. PROVIDE FIRE-RETARDANT-TREATED WOOD BLOCKING AT RATED PARTITIONS.

14. ELECTRICAL OUTLET BOXES SHALL NOT BE LOCATED BACK TO BACK AND SHALL BE PLACED AT LEAST ONE STUD BAY APART.

15. SEE STRUCTURAL DRAWINGS FOR CMU LINTEL SCHEDULE AND REINFORCING REQUIREMENTS.

16. ALL INTERIOR CMU WALLS TO HAVE FLUSH STRUCK JOINTS.

17. AT PARTITONS SCHEDULED TO RECEIVE TILE, PROVIDE CEMENT BOARD IN LIEU OF GYPSUM WALL BOARD.CEMENT BOARD THICKNESS TO MATCH THAT OF THE GYPSUM WALL BOARD, UNLESS OTHERWISE NOTED.

18. ADJUST NEW PARTITION THICKNESS TO MATCH EXISTING PARTITION THICKNESS EXACTLY WHERE NEW PARTITIONS ARE A CONTINUATION AND/OR INFILL OF AN EXISTING PARTITION.

19. NEW CMU PARTITIONS ADJACENT TO EXISTING CMU PARTITONS SHALL ALIGN WITH EXISTING CMU COURSING.

REFLECTED CEILING PLAN NOTES

1. ALL CEILING ELEVATIONS SHALL BE TAKEN FROM THE FLOOR BELOW THE CEILING.

2. ALL CEILINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFIED REFERENCE STANDARDS, RECOMMENDATIONS AND GUIDELINES UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED AND/OR REQUIRED BY CODE. SUPPORT FRAMING MEMBER SIZES, SPACING, BRACING, SEISMIC RESTRAINTS, UPLIFT RESTRICTION BRACING AND OTHER REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE SAME.

3. PROVIDE A MINIMUM 6" UPTURN GYPSUM BOARD VERTICAL LEG AT ALL SOFFITS WHERE THEY ARE SET FLUSH WITH ADJACENT ACOUSTIC PANEL CEILINGS.

4. ARCHITECTURAL DRAWINGS ARE TO BE USED TO LOCATE ALL CEILING MOUNTED AND SUSPENDED FIXTURES, SPRINKLERS, ALARMS, REGISTERS AND OTHER TYPES OF DEVICES. REFER TO AND COORDINATE TRADE DRAWINGS, ARCHITECTURAL DRAWINGS AND RESPECTIVE CONSULTANT TRADE DRAWINGS. WHERE CONFLICTS AND OMMISSIONS OCCUR BETWEEN SUCH DRAWINGS, THE ITEMS IN QUESTION SHALL BE PROVIDED AS PART OF THE BASE CONTRACT AND THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR CLARIFICATION AS TO LOCATION.

5. EXCEPT WHERE SPECIFICALLY INDICATED, LAYOUT AND INSTALL CEILING PANEL GRIDS WITH EQUAL CUT PANELS AROUND THE CENTER OF THE ROOM/SPACE AND SUCH THAT NO CUT PANEL IS LESS THAN ½ THE DIMENSION OF THE FULL PANEL.

6. ALL DEVICES, SPRINKLERS, LIGHTS, ETC. SHALL BE CENTERED IN CEILING PANELS UNLESS OTHERWISE INDICATED.

7. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL WET ROOM LOCATIONS.

8. ALL EXPOSED STRUCTURAL MEMBERS SHALL BE PAINTED UNLESS OTHERWISE INDICATED (SEE FINISH SCHEDULE).

EXTERIOR ELEVATION NOTES

1. COLUMN GRID LINES ARE INDICATED ON THE EXTERIOR ELEVATIONS FOR REFERENCE PURPOSES ONLY. SEE STRUCTURAL DRAWINGS FOR COLUMN GRID LAYOUT AND DIMENSIONS.

2. MASONRY OPENINGS ARE NOMINAL DIMENSIONS.

3. WHERE DIMENSION STRINGS LOCATING REPETITIVE ELEMENTS (I.E. WINDOWS) ARE LEFT UNDESIGNATED, ASSUME EQUAL SPACING.

4. CALCULATE/ LOCATE WORK IN THE FIELD WHERE INDICATED BY NOTES CALLING FOR ALIGNMENTS AND OTHER GEOMETRIC RELATIONSHIPS.

EXTERIOR PLAN DETAIL NOTES

1. REFER TO STRUCTURAL DRAWINGS FOR INFORMATION RELATED TO FOUNDATION, BUILDING STRUCTURE AND LAYOUT OF SUCH.

2. MASONRY OPENINGS ARE NOMINAL DIMENSIONS.

3. REFER TO GRAPHICS SYMBOLS LEGEND FOR TYPICAL AND CONVENTIONAL MATERIAL DELINEATIONS; SOME MATERIALS MAY NOT BE NOTED.

4. EXCEPT FOR SPECIAL CONDITIONS THAT VARY FROM THE TYPICAL, REFER TO THE PROJECT MANUAL FOR INFORMATION RELATED TO MATERIAL ATTACHMENTS, ANCHORAGE, RELATED REFERENCE STANDARDS AND OTHER RELEVANT INSTALLATION INFORMATION.

5. REFER TO THE EXTERIOR ELEVATIONS FOR WINDOW, DOOR AND LOUVER SYMBOLS AND THE REFERENCED MATERIAL INFORMATION.

INTERIOR DOOR & WINDOW NOTES

1. ALL FRAME SIZES ARE NOMINAL. FIELD VERIFY ALL ROUGH OPENINGS PRIOR TO FABRICATION.

2. ALL HOLLOW METAL FRAMES ARE TO BE WELDED AND GROUND SMOOTH.

3. ALL RATED DOORS AND DOORS FRONTING CORRIDORS SHALL HAVE POSITIVE LATCHING LOCKSETS OR LOCKSETS AND CLOSERS AS INDICATED ON THE DOOR SCHEDULE.

4. MOUNT ROOM SIGNS ON THE LATCH SIDE OF THE DOOR, UNLESS NOTED OTHERWISE.

WALL SECTION & DETAIL NOTES

1. ELEVATION TARGET SYMBOLS ARE TO THE TOP OF CONCRETE SLAB AND OTHER ELEMENTS AS NOTED.

2. REFER TO STRUCTURAL DRAWINGS FOR INFORMATION RELATED TO FOUNDATION, BUILDING STRUCTURE AND LAYOUT OF SUCH.

3. MASONRY OPENINGS ARE NOMINAL DIMENSIONS.

4. REFER TO GRAPHICS SYMBOLS LEGEND FOR TYPICAL AND CONVENTIONAL MATERIAL DELINEATIONS; SOME MATERIALS MAY NOT BE NOTED.

5. EXCEPT FOR SPECIAL CONDITIONS THAT VARY FROM THE TYPICAL, REFER TO THE PROJECT MANUAL FOR INFORMATION RELATED TO MATERIAL ATTACHMENTS, ANCHORAGE, RELATED REFERENCE STANDARDS AND OTHER RELEVANT INSTALLATION INFORMATION.

6. REFER TO THE EXTERIOR ELEVATIONS FOR WINDOW, DOOR AND LOUVER SYMBOLS AND THE REFERENCED MATERIAL INFORMATION.

7. SEE DRAWING G2.01 FOR EXTERIOR WALL ASSEMBLIES.

8. SEE DRAWING A6.11 FOR CURTAIN WALL TYPES

9. REFER TO EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS FOR MASONRY SHELF ELEVATIONS.

10. PROVIDE MASONRY WEEPS AT THE TOP, BOTTOM, AND AT ANY VERTICAL INTERUPTION IN THE WALL TO PROMOTE AIR CIRCULATION WITHIN THE WALL CAVITY

11. SEE FIREPROOFING SCHEDULE ON DRAWING AX.XX FOR FIRE-PROOFING OF STRUCTURAL STEEL MEMBERS.

LIST OF ABBREVITIONS

A/C	AIR CONDITIONING
A/V	AUDIO VISUAL
AB	ANCHOR BOLT
ABGWB	ABUSE RESISTANT GWB
ABV	ABOVE
AC	ACOUSTICAL
ACC	ACCESS
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT
ADJUST	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANC	ANCHORAGE
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECTURAL, ARCHITECT
ASB	ASBESTOS
ASC	ABOVE SUSPENDED CEILING
ASPH	ASPHALT
AT	ASPHALT TILE
AUTO	AUTOMATIC
AWP	ACOUSTICAL WALL PANEL
BBD	BULLETIN BOARD
BBR	BASEBOARD RADIATION
BD	BOARD
BEL	BELOW
BIT	BITUMINOUS
BJT	BED JOINT
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLLD	BOLLARD
BLST	BLUESTONE
BM	BEAM
BMK	BENCHMARK
BOT	BOTTOM
BP	BACK PLASTERED
BPL	BEARING PLATE
BRG	BEARING
BRK	BRICK
BRZ	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOF
BVL	BEVELED
BW	BOTH WAYS
CAB	CABINET
CAD	COMPUTER AIDED DRAFTING
CB	CATCH BASIN
CB	COUNTER BORE
CEM	CEMENT
CF	CUBIC FOOT
CFL	COUNTER FLASHING
CG	CORNER GUARD
CH	CHALK
CHAM	CHAMFER
CHR	CHROME
CHRL	CHAIR RAIL
CHT	CEILING HEIGHT
CI	CAST IRON
CIP	CAST IN PLACE
CIR	CIRCLE
CIRC	CIRCUMFERENCE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLK(G)	CAULK(ING)
CLL	CONTRACT LIMIT LINE
CLL	CONTRACT LIMIT LINE
CLOS	CLOSET
CLR	CLEAR
CLS	CLOSURE
CM	CONSTRUCTION MANAGER
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESS(ED), (ION), (IBLE)
COMPO	COMPOSITE, COMPOSITION
COMPT	COMPARTMENT
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COR	CORRUGATED
CORR	CORRIDOR
CPG	COPING
CPR	COPPER
CPT	CARPET
CR	CARD READER
CRG	CROSS GRAIN
CRS	COURSE(S)
CS	COUNTERSINK, COUNTERSUNK
CSMT	CASEMENT
CST	CAST STONE
CT	CERAMIC TILE
CTHK	COAT HOOK
CTR	COUNTER
CUH	CABINET UNIT HEATER
CUST	CUSTODIAL, CUSTODIAN
CX	CONNECTION
CY	CUBIC YARD
D	DRAIN
DA	DOUBLE ACTING
DEMO	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DMPR	DAMPER
DMT	DEMOUNTABLE
DN	DOWN
DP	DAMPPROFFING
DPL	DISPOSAL
DPR	DISPENSER
DR	DOOR
DRB	DRAINBOARD
DS	DOWNSPOUT
DT	DRAIN TILE
DTA	DOVETAIL ANCHOR
DTS	DOVETAIL ANCHOR SLOT
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
DWTR	DUMBWAITER
E	EAST
EA	EACH
EB	EXPANSION BOLT
ECP	ENVIRONMENTAL CEILING PANEL
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
EP	EPOXY PAINT
ER	
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENLG	ENLARGED
EPBD	ELECTRIC PANELBOARD
EPX	EPOXY
EQ	EQUAL
EQPT	EQUIPMENT
EST	ESTIMATE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWP	ENVIRONMENTAL WALL PANEL
EXCA	EXCAVATE
EXG	EXISTING
EXH	EXHAUST
EXMP	EXPANDED METAL PLATE
EXP	EXPOSED
EXS	EXTRA STRONG
EXT	EXTERIOR
FA	FIRE ALARM
FACT	FACTORY
FAI	FRESH AIR INTAKE
FAS	FASTENER
FB	FACE BRICK
FBD	FIBER BOARD
FBO	FURNISHED BY OTHERS
FBPL	FABRIC PANEL
FBRK	FIRE BRICK
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH(ED) FLOOR
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FG	FIXED GLASS
FGL	FIBERGLASS
FHMS	FLAT HEAD MACHINE SCREW
FHS	FIRE HOSE STATION
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH(ED)
FIXT	FIXTURE
FJT	FLUSH JOINT
FLCO	FLOOR CLEANOUT
FLG	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FLX	FLEXIBLE
FN	FENCE
FNDN	FOUNDATION
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD(S)
FP	FIRE PROTECTION
FPG	FIREPROOFING
FPL	FLOOR PLATE
FR	FRAME(D), (ING)
FRC	FIRE RESISTANT COATING
FRGD	FORGED
FRP	FIBERGLASS REINFORCED PLASTIC
FRPL	FIREPLACE
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE
FTG	FOOTING
FTR	FIN TUBE RADIATION
FURR	FURRED, FURRING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GF	GROUND FACE
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GKT	GASKET
GL	GLASS, GLAZING
GLB	GLASS BLOCK
GLF	GLASS FIBER
GP	GALVANIZED PIPE
GPL	GYPSUM LATH
GPPL	GYPSUM PLASTER
GPT	GYPSUM TILE
GRD	GRADE, GRADING
GRN	GRANITE
GSS	GALVANIZED SHEET STEEL
GST	GLAZED STRUCTURAL TILE
GT	GROUT
GVL	GRAVEL
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H/C	HANDICAP(PED)
HB	HOSE BIBB
HBD	HARDBOARD
HC	HOLLOW CORE
HD	HEAVY DUTY
HDNR	HARDENER
HDR	HEADER
HDWR	HARDWARE
HES	HIGH EARLY STRENGTH
HH	HAND HOLE
HJT	HEAD JOINT
HK(S)	HOOK(S)
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING VENTILATING AND AIR CONDITIONING
HWD	HARDWOOD
HX	HEXAGONAL
ID	INSIDE DIAMETER
ILK	INTERLOCK
INCL	INCLUD(ED), (ING)
INS	INSULATE, INSULATION
INSC	INSULATING CONCRETE
INSF	INSULATING FILL
INSTR	INSTRUCTOR
INT	INTERIOR
INTM	INTERMEDIATE
INV	INVERT
JC	JANITOR'S CLOSET
JF	JOINT FILLER
JST	JOIST
JT	JOINT
KD	KNOCK(ED) DOWN
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
L	LENGTH
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE(D)
LAV	LAVATORY
LB	LAG BOLT
LBL	LABEL
LC	LIGHT CONTROL
LCC	LEAD COATED COPPER
LF	LINEAR FOOT
LH	LEFT HAND
LHRB	LEFT HAND REVERSE BEVEL
LIN	LINOLEUM
LL	LIVE LOAD
LMS	LIMESTONE
LPT	LOW POINT
LT	LIGHT
LTL	LINTEL
LVR	LOUVER
LW	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE
LWF	LIGHT WEIGHT FILL
M	METER(S)
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MECH	MECHANICAL
MED	MEDIUM
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MHO	MAGNETIC HOLD OPEN
MI	MALLEABLE IRON
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLDG	MOULDING
MM	MILLIMETER(S)
MO	MASONRY OPENING
MOD	MODEL
MODU	MODULAR
MOV	MOVABLE
MR	MOISTURE RESISTANT
MT(D)	MOUNT(ED)
MTHR	METAL THRESHOLD
MTL	METAL
MTLPL	METAL PANEL
MULL	MULLION
MWK	MILLWORK
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NC	NOISE COEFFICIENT, NONCOMBUSTIBLE
NGVD	NATIONAL GEOGRAPHICAL VERTICAL DATA
NI	NICKEL
NIC	NOT IN CONTRACT
NL	NAILABLE
NMT	NONMETALLIC
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD, OPPOSITE HAND
OHMS	OVAL HEAD MACHINE SCREW
OHWS	OVAL HEAD WOOD SCREW
OP	OPAQUE
OPNG	OPENING
OPP	OPPOSITE
OPPHD	OPPOSITE HAND
OPS	OPPOSITE SURFACE
OW	OPEN-WEB
OWN	OWNER
PAR	PARALLEL
PB	PANIC BAR
PBD	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PCC	PRECAST CONCRETE
PE	PORCELAIN ENAMEL
PERF	PERFORATE(D)
PERI	PERIMETER
PEX	CROSS-LINKED POLYETHYLENE
PG	PLATE GLASS
PKG	PARKING
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLF	POUNDS PER LINEAR FOOT
PLT(D)	PLATE(D)
PNL	PANEL
PNT(D)	PAINT(ED)
POLY	POLYETHYLENE
PORC	PORCELAIN
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRF	PREFORMED
PS	PRESTRESSED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
PT	PRESSURE TREATED
PT	PAINT
PTD	PAINTED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTOR
PUB	PUBLIC
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
R	RISER
RA	RETURN AIR
RAD	RADIUS
RAG	RETURN AIR GRILLE
RAI	RETURN AIR INTAKE
RB	RUBBER BASE
RBS	RUBBLE STONE
RBT	RABBET
RC	REINFORCED CONCRETE
RD	ROOF DRAIN
RE	REINFORC(E), (ED), (ING)
REF	REFERENCE, REFRIGERATOR
REG	REGISTER
REM	REMOVE
REQD	REQUIRED
REQMT	REQUIREMENT
RES	RESILIENT
RET	RETURN
RETG	RETAINING
REV	REVISION
RFG	ROOFING
RFH	ROOF HATCH
RFL	REFLECT(ED), (IVE), (OR)
RFS	ROOM FINISH SCHEDULE
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHRB	RIGHT HAND REVERSE BEVEL
RHWS	ROUND HEAD WOOD SCREW
RL	RAIL(ING)
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RT	RUBBER TILE
RTG	RATING
RUB	RUBBER
RV	ROOF VENT
RVS	REVERSE SIDE
RVT	RIVET
RWC	RAINWATER CONDUCTOR
RWL	RAIN WATER LEADER
S	SOUTH
SC	SOLID CORE
SCH	SCHEDULE
SCN	SCREEN
SCT	STRUCTURAL CLAY TILE
SD	STORM DRAIN, SMOKE DETECTOR
SDSL	SOLID SURFACE
SECT	SECTION
SF	SQUARE FOOT
SFGL	SAFETY GLASS
SG	SHEET GLASS
SH	SHEL(F), (VING)
SHO	SHOR(E), (ING)
SHT	SHEET
SHTH	SHEATHING
SIM	SIMILAR
SKLT	SKYLIGHT
SL	SLEEVE
SLNT	SEALANT
SLR	SEALER
SP	SOUNDPROOF
SPC	SPACER
SPEC(S)	SPECIFICATIONS(S)
SPKR	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SSK	SERVICE SINK
SSTL	STAINLESS STEEL
ST	STAIN
ST	STONE
STA	STATION
STD	STANDARD
STG	SEATING
STL	STEEL
STN	STONE
STOR	STORAGE
STR	STRUCTURAL
SUS	SUSPEND(ED)
SVC	SERVICE
SVFC	SHEET VINYL FLOOR COVERING
SYM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
T&G	TOUNGE AND GROOVE
T.O.	TOP OF
TB	TOWEL BAR
TC	TERRA COTTA
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TEMPERED GLASS
THK	THICK(NESS)
THR	THRESHOLD
TKBD	TACK BOARD
TKS	TACK STRIP
TMPD	TEMPERED
TOC	TOP OF CURB/CONCRETE
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOILET PAPER
TPD	TOILET PAPER DISPENSER
TPL	TOP OF PLATE
TPTN	TOILET PARTITION
TR	TRANSOM
TSL	TOP OF SLAB
TV	TELEVISION
TYP	TYPICAL
TZ	TERRAZZO
UC	UNDERCUT
UGD	UNDERGROUND
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VAR	VARNISH
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VF	VINYL FABRIC
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VIN	VINYL
VJ	V-JOINT(ED)
VNB	VINYL BASE
VNR	VENEER
VRM	VERMICULITE
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WBD	WALLBOARD
WC	WATER CLOSET
WD	WOOD
WFS	WATERPROOF FLOORING SYSTEM
WG	WIRE GLASS
WH	WALL HUNG
WH	WATER HEATER
WHB	WHEEL BUMPER
WI	WROUGHT IRON
WIN	WINDOW
WKMT	WALK-OFF MAT
WM	WIRE MESH
WP	WATERPROOF(ING)
WPT	WORKING POINT
WR	WASTE RECEPTACLE
WRP	WATER REPELLANT
WS	WATER STOP/ WEATHERSTRIP
WSCT	WAINSCOT
WTBD	WHITEBOARD
WTW	WALL TO WALL
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
**18 TOWER LANE
NEW HAVEN, CT 06519**

PROJECT NUMBER:
20200157

DRAWING TITLE:
GENERAL NOTES & ABBREVIATIONS

SCALE: **1/8" = 1'-0"** DRAWN BY: **HHL**

DATE: **9/23/2022** CHECKED BY: **CHK**

DRAWING NUMBER:
G0.01

Autodesk Docs://20200157-The Towers/20200157-The Towers-Arch.rvt
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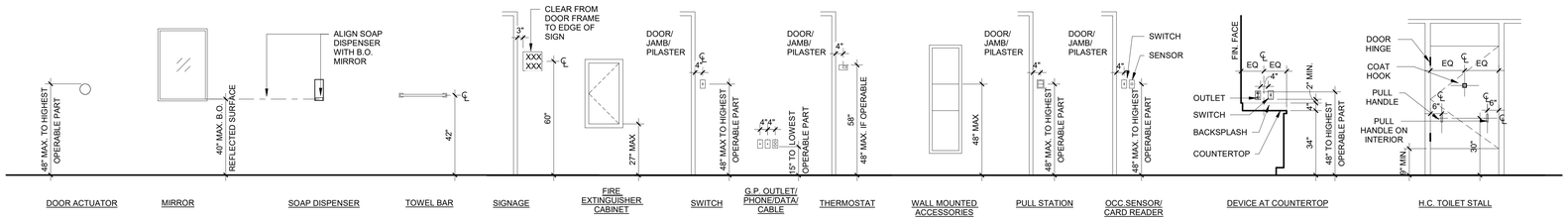
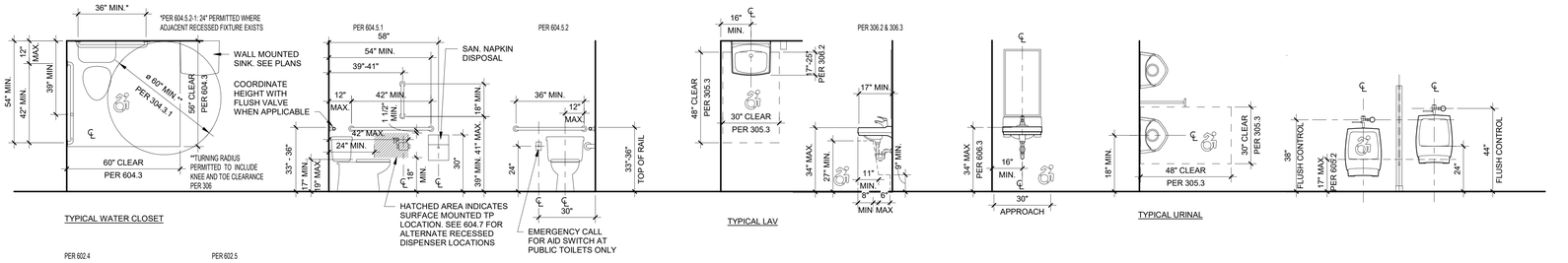
TYPICAL MOUNTING HEIGHTS

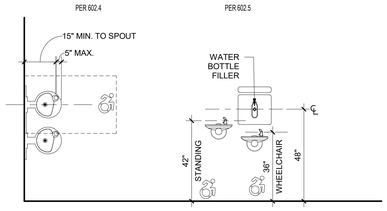
DIMENSIONS PER 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES WITH CONNECTICUT AMENDMENTS AND ARE FROM FACE OF FINISHED CONSTRUCTION U.N.O.



TYPICAL PLUMBING FIXTURE MOUNTING HEIGHTS

DIMENSIONS PER 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES WITH CONNECTICUT AMENDMENTS AND ARE FROM FACE OF FINISHED CONSTRUCTION U.N.O.

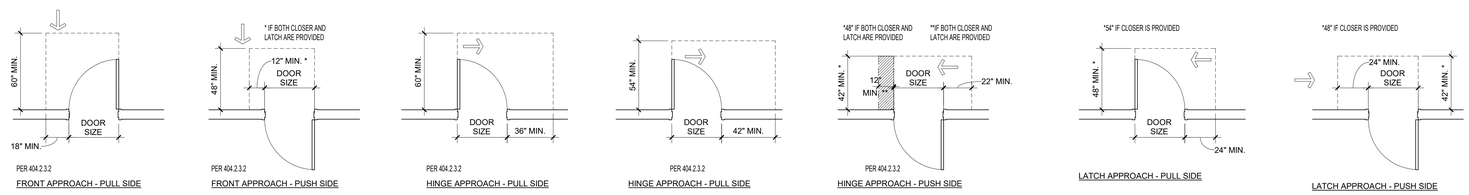


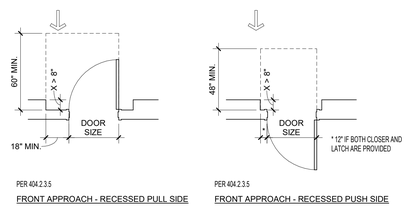


TYPICAL DRINKING FOUNTAIN

TYPICAL ADA DOOR CLEARANCES

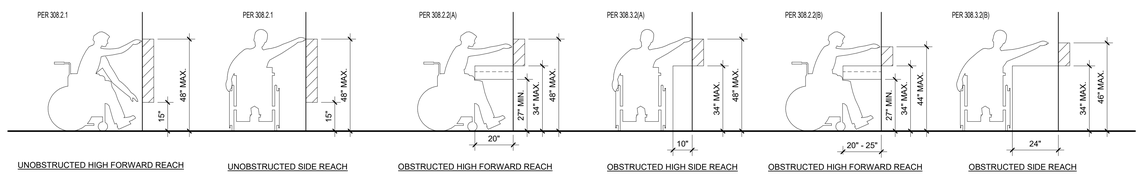
CLEARANCE PER 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, WITH CONNECTICUT AMENDMENTS
ALL SINGLE DOORS SHALL BE LOCATED AS INDICATED BELOW UNLESS DIMENSIONED ON FLOOR PLANS.

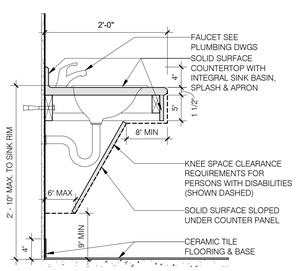




TYPICAL ADA REACH RANGES

CLEARANCE PER 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, WITH CONNECTICUT AMENDMENTS





2 G0.02 LAVATORY SINK
1" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

ACCESSIBILITY LEGEND

- ACCESSIBLE AREA OR EXIT
- ACCESSIBLE TURNING RADIUS (60" Diameter)
- ACCESSIBLE CLEAR FLOOR SPACE (30"x48")

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BUILDING CODE INFORMATION

1. BUILDING HISTORY

THE TOWERS
THE FIRST PART OF EXISTING BUILDING WAS CONSTRUCTED IN 1968 (OCTAGON SHAPE), THE SECOND PART OF EXISTING BUILDING AT THE NORTH WAS CONSTRUCTED IN 1980, AND SOME ALTERATIONS OVER THE YEARS.

2. PROJECT SCOPE

THIS APPLICATION IS FOR THE INTERIOR RENOVATION OF AN EXISTING BUILDING AND AN ADDITION WITH NO CHANGE IN USE. THE ADDITION SHELL WORK HAS BEEN APPROVED IN APRIL 2021. THE ADDITION AREA IS APPROX. 1,600 SF TO THE GROUND FLOOR SPACE AND THE EXISTING INTERIOR RENOVATION AREA IS APPROX. 20,600 OF THE GROUND FLOOR.

3. APPLICABLE CODES

2018 CONNECTICUT STATE BUILDING CODE. CONSISTING OF:
1. 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC), WITH CONNECTICUT AMENDMENTS
2. 2015 INTERNATIONAL BUILDING CODE (IBC), WITH CONNECTICUT AMENDMENTS, AS REFERENCED BY THE EXISTING BUILDING CODE
3. 2015 INTERNATIONAL PLUMBING CODE (IPC), WITH CONNECTICUT AMENDMENTS
4. 2015 INTERNATIONAL MECHANICAL CODE (IMC), WITH CONNECTICUT AMENDMENTS
5. 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), WITH CONNECTICUT AMENDMENTS
6. 2017 NATIONAL ELECTRIC CODE (NEC), WITH CONNECTICUT AMENDMENTS
7. 2009 ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, WITH CONNECTICUT AMENDMENTS

2018 CONNECTICUT STATE FIRE SAFETY CODE
1. PARTS I, II, AND III APPLIES TO THE WORK
   A. PART III REFERENCES THE 2015 INTERNATIONAL FIRE CODE, WITH CONNECTICUT AMENDMENTS
2. PARTS I, II, AND IV APPLIES TO EXISTING CONSTRUCTION TO REMAIN AND APPLIES TO THE PROJECT AS A MINIMUM.
   A. PART IV REFERENCES THE 2015 NFPA 101 LIFE SAFETY CODE (LSC), WITH CONNECTICUT AMENDMENTS

2018 CONNECTICUT STATE FIRE PREVENTION CODE
1. 2015 NFPA 1, FIRE CODE WITH CONNECTICUT AMENDMENTS.

2013 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS, WITH CONNECTICUT AMENDMENTS
2010 AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN (ADASAD)
OCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

DATE OF PROPOSED CONSTRUCTION 2021

1. USE GROUP CLASSIFICATION - IBC 302 & 508

DINNING & KITCHEN AREA	A2 - ASSEMBLY
MULTI-PURPOSE ROOM, GREENHOUSE, & REMAINDER	A3 - ASSEMBLY
OFFICES, SHOP, & SALON	B - BUSINESS (ACCESSORY OCCUPANCY)
GIFT SHOP & STORE	M - MERCANTILE (ACCESSORY OCCUPANCY)
MECH. ROOMS	S2 - STORAGE

2. CONSTRUCTION TYPE - IBC 602

NEW CONSTRUCTION — TYPE 1B

3. BUILDING HEIGHT - IBC 504.3 & 504.4

ALLOWABLE — 10 STORIES/ 180 FEET
ACTUAL - EXISTING — 21 STORIES/ 196 FEET

4. BUILDING AREA - IBC 506.2 - TYPE CONSTRUCTION 1B

ALLOWABLE — UNLIMITED

ACTUAL EXISTING BUILDING AREA:

GROUND FLOOR:	28,892 SF	
FLOOR 2-21:	119,200 SF	5,960 PER FLOOR
TOTAL EXISTING:	148,092 SF	

PROPOSED BUILDING AREA:

GROUND FLOOR:	30,058 SF	
FLOOR 2-21:	119,200 SF	5,960 PER FLOOR
TOTAL EXISTING:	149,258 SF	

5. FIRE RESISTANCE RATING REQUIREMENTS - IBC 601

STRUCTURAL FRAME (COLUMNS, GIRDERS, TRUSSES)	2 HR, 1 HR FOR SUPPORTING ROOF ONLY
BEARING WALLS	EXTERIOR - 2HR | INTERIOR- 2 HR, 1 HR FOR SUPPORTING ROOF ONLY
NON-BEARING WALLS AND PARTITIONS	EXTERIOR - SEE TABLE 602 | INTERIOR- 0 HR
ROOF CONSTRUCTION (INCL. SUPPORTING BEAMS & JOISTS)	1 HR, 0 HR FOR ALL ROOF 20' ABOVE FLOOR BELOW
FLOOR CONSTRUCTION	2 HR.
SEPARATION OF OCCUPANCIES (IBC 508.4)	
BETWEEN USE GROUP H 1 (TOWER) AND USE GROUPS A, B, M, S	1 HR.
BETWEEN USE GROUP A AND USE GROUP B	1 HR.
BETWEEN USE GROUP A AND USE GROUP S-2	0 HR.

6. FIRE BARRIERS - IBC 707

EXIT ENCLOSURES - STAIRS (GREATER THAN 4 STORIES)	2 HR.
EXIT ENCLOSURES - EXIT PASSAGEWAY (IBC 1024)	2 HR.
SHAFT ENCLOSURES - 3 STORIES (IBC 713.4)	2 HR.

7. FIRE PARTITIONS (WALLS) - IBC 708

DWELLING UNIT SEPARATION (IBC 420.2, 708.3)	N/A, NO DWELLING UNITS ON FIRST FLOOR
EXIT ACCESS CORRIDORS (IBC 708.3, 1020.1)	0 HR, FULLY SPRINKLERED
INDICDENTAL USE AREAS-STORAGE AND MEP GREATER THAN 100 SF (TABLE 509)	1 HR.
CORRIDORS (IBC 1020.1)	0 HR, FULLY SPRINKLERED

8. HORIZONTAL ASSEMBLIES (FLOORS) - IBC 711

DWELLING SEPARATION -FLOORS-(IBC 711.2.4.3)

TOWER	THE EXISTING TOWER, BASED ON PAST DOCUMENTATION PROVIDED BY THE OWNER IS TYPE 1-B. THE FLOORS/CEILING ASSEMBLIES IN THE TOWER ARE REQUIRED TO BE 2-HR RATED AND SHOULD BE CONFIRMED AS SUCH.
FIRST FLOOR	FIRST FLOOR SEPARATION FROM THE TOWER IS REQUIRED TO BE 2-HR. BY VIRTUE OF THE CONSTRUCTION TYPE THAT RATING IS INHERENT.

9. RISK CATEGORY - IBC TABLE 1604.5

CATEGORY II

10. ACCESSIBILITY

FULLY ACCESSIBLE ■ YES ☐ NO

11. OCCUPANCY LOAD - IBC 1004.1.2

FLUSE GROUP	TOTAL DESIGN LOAD	TOTAL EXIT CAPACITY
GROUND FLOOR (A-2, A-3, B, M, & S-2)	961 P	2,820 P

12. PLUMBING FIXTURE COUNT - IPC 2902.1

USE (DES. LOAD)	WC		LAVATORIES		D. FOUNTAINS	
	REQ.	CALC.				
A-2 (432 P)	1:75 M 1:75 F	2.88 M 2.88 F	1 PER 200	2.16	1 PER 500	0.86
A-3 (484P)	1:125 M 1:65 F	1.94 M 3.72 F	1 PER 200	2.42	1 PER 500	0.97
B (25 P)	1:25 FOR FIRST 50, THEN 1:50	0.50 M 0.50 F	1:40 FOR FIRST 80, THEN 1:80	0.31 M 0.31 F	1 PER 100	0.25
M (11 P)	1 PER 500	0.022	1 PER 750	0.015	1 PER 1000	0.011
S-2 (10 P)	1 PER 100	0.10	1 PER 100	0.1	1 PER 1000	0.01
TOTAL REQUIRED	12.54		5.32		2.10	
TOTAL PROVIDED	13		10		3	

13. FIRE PROTECTION SYSTEMS - IBC 901 — NFPA 13

FIRE SUPRESSION (IBC 403.3 NFPA 1021.2.(1)) SMOKE DETECTION - REQUIRED (IBC 403.4.2 / 907.2)	PROVIDED
FIRE DETECTION (IBC 403.4.2 / 907)	MANUAL FIRE ALARM & SPRINKLERED
STANDPIPES (IBC 403.4.3 / 905.3)	EXISTING
EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM (IBC 403.4.4 / 907.5.2.2):	EXISTING
EMERGENCY RESPONDER RADIO COVERAGE (IBC 403.4.5/510 OF IFC):	EXISTING
FIRE COMMAND (IBC 403.4.6 / 911)	PROVIDE IN LOCATION APPROVED BY FM
SMOKE REMOVAL (IBC 403.4.7)	
STANDBY AND EMERGENCY POWER (IBC 403.4.8)	CONFIRM LOCATION OF GENERATOR (INSIDE OR OUTSIDE). PROVIDE 2-HOUR RATING AROUND GENERATOR IF INSIDE.

14. NUMBER OF EXITS & TRAVEL DISTANCE

MAX. OCCUPANT LOAD OF SPACE WITH ONE EXIT (IBC 1006.2.1)	49 GROUP A, B, M / 29 GROUP S (TWO EXITS REQUIRED IF EXCEEDING MAX. OCC. LOAD)
MIN. EGRESS WIDTH (IBC 1005)	STAIR = .3 / P | DOORS & RAMPS = .2 / P
MIN. AISLE WIDTH (IBC 1018)	36"
MIN. CORRIDOR WIDTH (IBC 1020.2)	44"
DEAD END CORRIDOR (IBC 1020.4)	20' GROUP A / 50' GROUP B, M, S (SPRINLERED) — SEE PLANS
TRAVEL DISTANCE (IBC 1017.2)	250' GROUP A, M / 300' GROUP B / 400' GROUP S MAX. — SEE PLANS
COMMON PATH OF TRAVEL (IBC 1006.2.1)	75' GROUP A, M / 100' GROUP B / 100' GROUP S MAX. — SEE PLANS

15. INTERIOR FINISH - IBC TABLE 803.11

OCCUPANCY	STAIRS	CORRIDORS	ROOMS
A2	B	B	C
A3	B	B	C
B	B	C	C
S	C	C	C

FLOOR FINISHES ARE TO COMPLY WITH DOC-FF1. EXISTING FLOOR FINISH IS NOT REGULATED BY CODE.

MULTI-PURPOSE ROOM 060	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, CONCENTRATED
AREA:	1,485 SF
OCCUPANCY FACTOR:	7 SF NET
OCCUPANCY LOAD:	213

STAFF BREAK ROOM 057	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY (UNCONCENTRATED)
AREA:	462 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	31

ACTIVITY OFFICE (ACCESSORY OCCUPANCY)	
GROUP:	B
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	BUSINESS AREAS
AREA:	108 SF
OCCUPANCY FACTOR:	100 SF GROSS
OCCUPANCY LOAD:	2

SITTING AREA	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	121 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	9

MECHANICAL 056	
GROUP:	S-2
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	MECH. EQPT ROOM
AREA:	1,190 SF
OCCUPANCY FACTOR:	300 SF GROSS
OCCUPANCY LOAD:	4

LOBBY SITTING AREA	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	119 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	8

OFFICE & COPY (ACCESSORY OCCUPANCY)	
GROUP:	B
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	BUSINESS AREAS
AREA:	250 SF
OCCUPANCY FACTOR:	100 SF GROSS
OCCUPANCY LOAD:	3

SHOP (ACCESSORY OCCUPANCY)	
GROUP:	B
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	SHOPS (VOCATIONAL)
AREA:	388 SF
OCCUPANCY FACTOR:	50 SF GROSS
OCCUPANCY LOAD:	8

STORE (ACCESSORY OCCUPANCY)	
GROUP:	M
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	MERCANTILE
AREA:	274 SF
OCCUPANCY FACTOR:	60 SF GROSS
OCCUPANCY LOAD:	5

EAST LOUNGE	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	355 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	24

COMPUTER & CONF. ROOM	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	279 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	19

KITCHEN	
GROUP:	A-2
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	KITCHENS, COMMERCIAL
AREA:	4,911 SF
OCCUPANCY FACTOR:	200 SF GROSS
OCCUPANCY LOAD:	25

LIVING ROOM	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	488 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	33

ACTIVITY & LOUNGE	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	CLASSROOM AREA
AREA:	760 SF
OCCUPANCY FACTOR:	20 SF NET
OCCUPANCY LOAD:	38

MECH. ROOMS	
GROUP:	S-2
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	MECH. EQPT ROOM
AREA:	1,352 SF
OCCUPANCY FACTOR:	300 SF GROSS
OCCUPANCY LOAD:	5

STORAGE (INCIDENTAL USE)	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	STORAGE AREA
AREA:	139 SF
OCCUPANCY FACTOR:	300 SF GROSS
OCCUPANCY LOAD:	1

MECH. ROOMS	
GROUP:	S-2
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	MECH. EQPT ROOM
AREA:	288 SF
OCCUPANCY FACTOR:	300 SF GROSS
OCCUPANCY LOAD:	1

GIFT SHOP (ACCESSORY OCCUPANCY)	
GROUP:	M
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	MERCANTILE
AREA:	297 SF
OCCUPANCY FACTOR:	60 SF GROSS
OCCUPANCY LOAD:	5

SALON & OFFICES (ACCESSORY OCCUPANCY)	
GROUP:	B
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	BUSINESS AREAS
AREA:	1,100 SF
OCCUPANCY FACTOR:	100 SF GROSS
OCCUPANCY LOAD:	11

MECH. ROOM (INCIDENTAL USE)	
GROUP:	B
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	MECH. EQPT ROOM
AREA:	153 SF
OCCUPANCY FACTOR:	300 SF GROSS
OCCUPANCY LOAD:	1

SMOKING ROOM	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	249 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	17

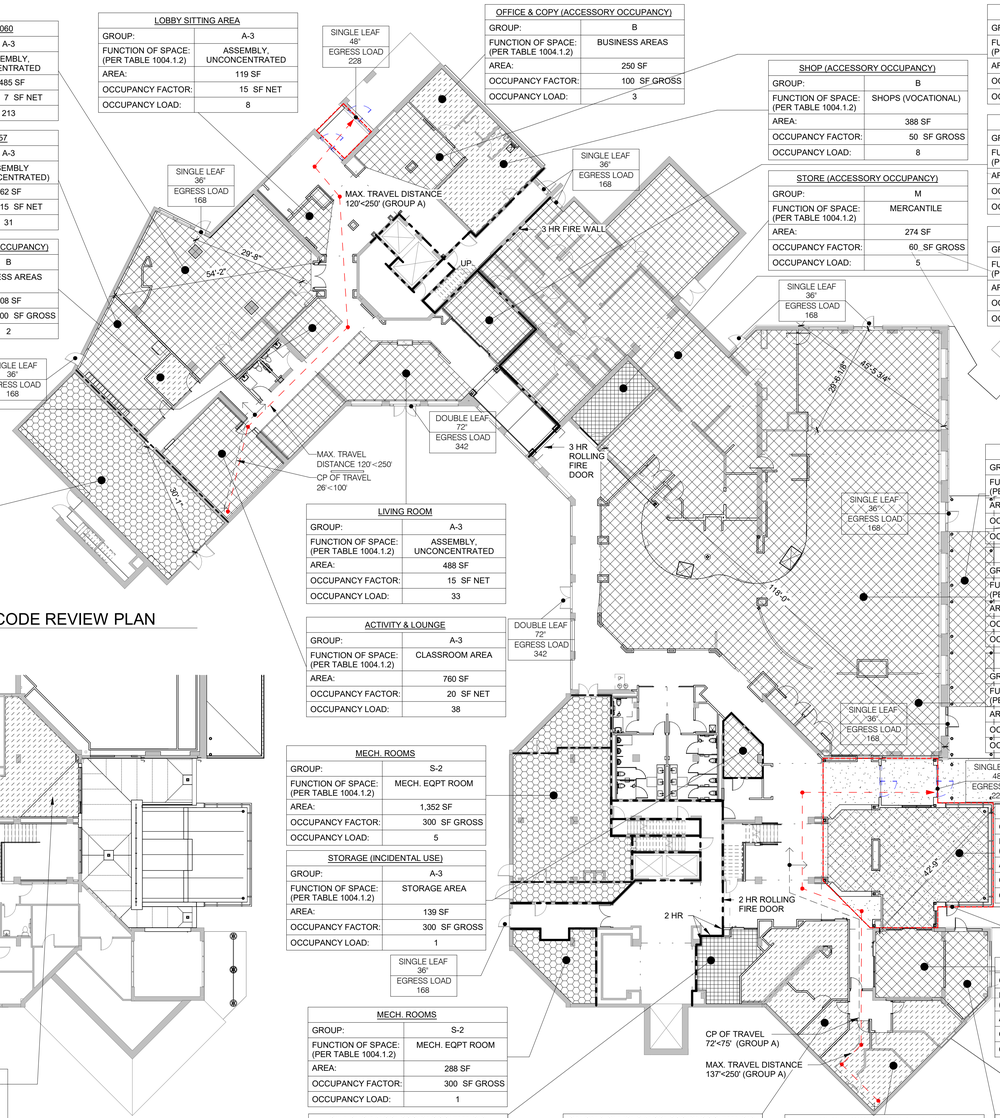
OUT DOOR DINING AREA	
GROUP:	A-2
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	426 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	29

DINING AREA / LECTURE SPACE	
GROUP:	A-2
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, CONCENTRATED
AREA:	3,093 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	207

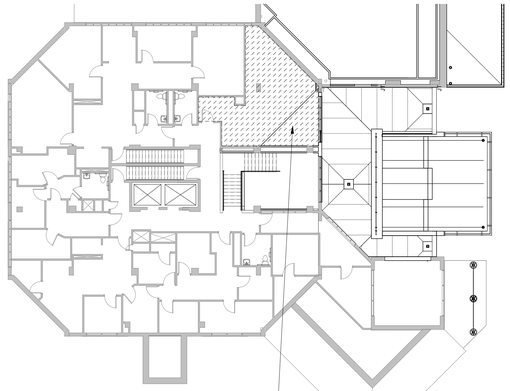
LOUNGE & CAFE	
GROUP:	A-2
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	2,561 SF
OCCUPANCY FACTOR:	15 SF GROSS
OCCUPANCY LOAD:	171

GREENHOUSE 002	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	1,039 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	70

MEETING 003	
GROUP:	A-3
FUNCTION OF SPACE: (PER TABLE 1004.1.2)	ASSEMBLY, UNCONCENTRATED
AREA:	309 SF
OCCUPANCY FACTOR:	15 SF NET
OCCUPANCY LOAD:	21



1 G1.01 GROUND FLOOR CODE REVIEW PLAN
1/16" = 1'-0"



SHELL SPACE FOR FUTURE HEALTH SUITE FIT-OUT, UNDER SEPARATE PERMIT

2 G1.01 FIRST FLOOR SOUTH CODE REVIEW PLAN
1/16" = 1'-0"

ENERGY CODE DATA

PER 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) WITH CT AMENDMENTS

CLIMATE ZONE: 5 (IECC C301.1)

OPAQUE THERMAL ENVELOPE

IECC, TABLE C402.1.3

ELEMENT	REQUIRED	PROVIDED
ROOFS		
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	-
METAL BUILDINGS	R-19 + R-11 LS	-
ATTIC AND OTHER	R-38	-
WALLS, ABOVE GRADE		
MASS	R-11.4ci	-
METAL BUILDING	R-13 + R-13ci	-
METAL FRAMED	R-13 + R-7.5ci	-
WOOD FRAMED AND OTHER	R-13 + R-3.8ci or R-20	-
WALLS, BELOW GRADE		
BELOW-GRADE WALL	R-7.5ci	-
FLOORS		
MASS	R-10ci	-
JOIST/FRAMING	R-30	-
SLAB-ON-GRADE FLOORS		
UNHEATED SLABS	R-10 for 24" below	-
HEATED SLABS	R-15 for 36" below	-
OPAQUE DOORS		
NONSWINGING	R-4.75	-

BUILDING ENVELOPE FENESTRATION

IECC, TABLE C402.4

ELEMENT	REQUIRED		PROVIDED	
VERTICAL FENESTRATION				
U-FACTOR				
FIXED FENESTRATION	0.38		-	
OPERABLE FENESTRATION	0.45		-	
ENTRANCE DOORS	0.77		-	
SHGC — ORIENTATION:	SEW	N	SEW	N
PF < 0.2	0.40	0.53	-	-
0.2 ≤ PF < 0.5	0.48	0.58	-	-
PF ≥ 0.5	0.64	0.64	-	-
SKYLIGHTS				
U-FACTOR	0.50		-	
SHGC	0.40		-	

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

CODE PLAN LEGEND

Room name 101 — ROOM NUMBER

ROOM OCCUPANCY LOAD
ROOM AREA IN SQUARE FEET
300 / 100 = 3 P — OCCUPANT LOAD (PERSONS)
OCCUPANT LOAD FACTOR (Table 1004.1.2)

EXIT CAPACITY
1 / 168
ACTUAL EGRESS OCCUPANCY OF BUILDING COMPONENT (DOOR, STAIR, CORR., ETC.)
MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF BUILDING COMPONENT (DOOR, STAIR, CORR., ETC.)

MAXIMUM TRAVEL DISTANCE FROM FURTHEST POINT (Section 1017.2)
COMMON PATH OF EGRESS TRAVEL (Table 1006.2.1)

SMOKE-RESISTANT & FIRE-RATED CONSTRUCTION

NOTE: ALL SMOKE-RESISTANT & FIRE-RATED WALLS SHALL BE CONSTRUCTED TIGHT TO DECK ABOVE. DOORS LOCATED IN THESE WALLS SHALL BE PROVIDED WITH DOOR CLOSERS (SEE DOOR SCHEDULE).

30 MINUTE UNIT SEPARATION
1 HOUR FIRE RATED CONSTRUCTION
2 HOUR FIRE RATED CONSTRUCTION
3 HOUR FIRE RATED CONSTRUCTION
SMOKE RESISTANT SEPARATION
PLUMBING OR DUCT SHAFT
FEC — EXISTING FIRE EXTINGUISHER CABINET
EXIT SIGN

ACCESSIBILITY LEGEND

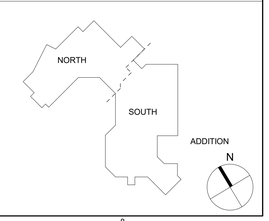
ACCESSIBLE AREA OR EXIT
ACCESSIBLE TURNING RADIUS (60" Diameter)
ACCESSIBLE CLEAR FLOOR SPACE (30"x48")

NOTES:

1. REFER TO ARCHITECTURAL FLOOR PLANS FOR ROOM NAMES/ NUMBERS NOT INDICATED ON THE CODE PLANS.
2. SEE INTERIOR PARTITION TYPES SHEET(S) FOR FURTHER INFORMATION REGARDING FIRE RATED ASSEMBLIES.
3. NET AREAS ARE CALCULATED WITH FIXED ELEMENTS SUCH AS WALLS, COLUMNS, CABINETS, MILLWORK, LOCKERS, ETC. EXCLUDED.
4. ALL BUILDING AREAS ARE CALCULATED TO THE INSIDE FACE OF THE EXTERIOR WALL.

OCCUPANCY GROUP A-2, A-3
OCCUPANCY GROUP B
OCCUPANCY GROUP M
OCCUPANCY GROUP S-2
AREA OF ADDITION

KEYPLAN



OCCUPANT LOAD

Level	Name	OCCUPANCY GROUP	Area	Occ. Factor	NET/ GROSS	OCCUPANCY	TWO MEANS OF EGRESS
GROUND FLOOR SOUTH	DINING AREA / LECTURE SPACE	A-2	3,093 SF	15	NET	207	•
GROUND FLOOR SOUTH	KITCHEN	A-2	4,911 SF	200	GROSS	25	
GROUND FLOOR SOUTH	LOUNGE & CAFE	A-2	2,561 SF	15	NET	171	•
GROUND FLOOR SOUTH	OUT DOOR DINING AREA	A-2	426 SF	15	NET	29	•
			10,991 SF			432	
GROUND FLOOR SOUTH	ACTIVITY & LOUNGE	A-3	760 SF	20	NET	38	
GROUND FLOOR SOUTH	COMPUTER & CONF. ROOM	A-3	279 SF	15	NET	19	
GROUND FLOOR SOUTH	EAST LOUNGE	A-3	355 SF	15	NET	24	
GROUND FLOOR SOUTH	GREENHOUSE 002	A-3	1,039 SF	15	NET	70	•
GROUND FLOOR SOUTH	LIVING ROOM	A-3	488 SF	15	NET	33	
GROUND FLOOR SOUTH	LOBBY SITTING AREA	A-3	119 SF	15	NET	8	
GROUND FLOOR SOUTH	MEETING 003	A-3	309 SF	15	NET	21	
GROUND FLOOR SOUTH	MULTI-PURPOSE ROOM 060	A-3	1,485 SF	7	NET	213	•
GROUND FLOOR SOUTH	SITTING AREA	A-3	121 SF	15	NET	9	
GROUND FLOOR SOUTH	SMOKING ROOM	A-3	249 SF	15		17	
GROUND FLOOR SOUTH	STAFF BREAK ROOM 057	A-3	462 SF	15	NET	31	
GROUND FLOOR SOUTH	STORAGE (INCIDENTAL USE)	A-3	139 SF	300	GROSS	1	
			5,804 SF			484	
GROUND FLOOR SOUTH	ACTIVITY OFFICE (ACCESSORY OCCUPANCY)	B	108 SF	100	GROSS	2	
GROUND FLOOR SOUTH	MECH. ROOM (INCIDENTAL USE)	B	153 SF	300	GROSS	1	
GROUND FLOOR SOUTH	OFFICE & COPY (ACCESSORY OCCUPANCY)	B	250 SF	100	GROSS	3	
GROUND FLOOR SOUTH	SALON & OFFICES (ACCESSORY OCCUPANCY)	B	1,100 SF	100	GROSS	11	
GROUND FLOOR SOUTH	SHOP (ACCESSORY OCCUPANCY)	B	388 SF	50	GROSS	8	
			1,998 SF			25	
GROUND FLOOR SOUTH	GIFT SHOP (ACCESSORY OCCUPANCY)	M	297 SF	60	GROSS	5	
GROUND FLOOR SOUTH	STORE (ACCESSORY OCCUPANCY)	M	274 SF	60	GROSS	5	
			570 SF			10	
GROUND FLOOR SOUTH	MECH. ROOMS	S-2	1,640 SF	300	GROSS	6	
GROUND FLOOR SOUTH	MECHANICAL 056	S-2	1,190 SF	300	GROSS	4	
			2,830 SF			10	
			22,194 SF			961	

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
CODE REVIEW INFORMATION & GROUND FLOOR CODE REVIEW

SCALE: **As indicated** | DRAWN BY: **HHL**
DATE: **9/23/2022** | CHECKED BY: **-**

DRAWING NUMBER:
G1.01

Autodesk Docs://20200157-The Towers/20200157-The Towers-Arch.rvt
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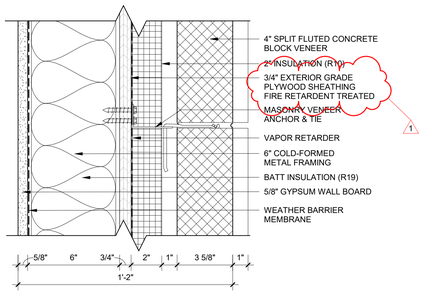
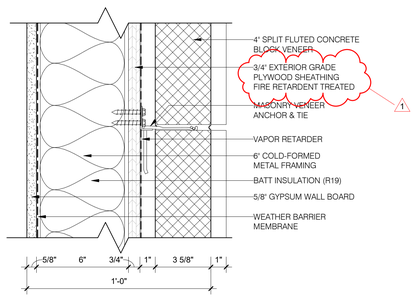
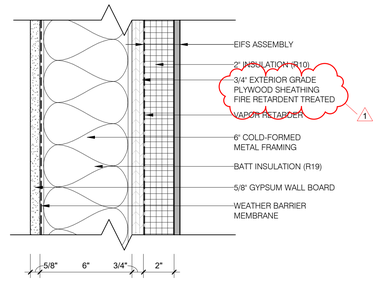


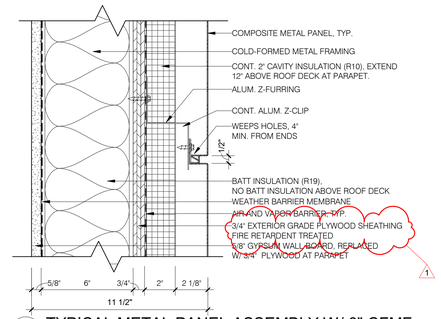
2 G2.01 TYPICAL EXTERIOR MASONRY WALL ASSEMBLY 1
3" = 1'-0"



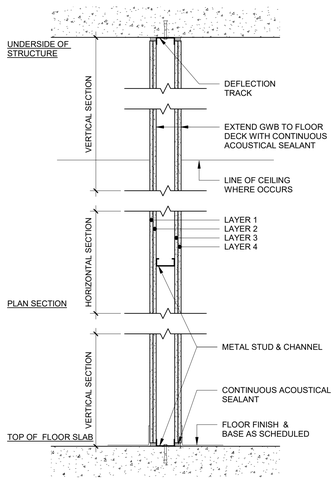
3 G2.01 TYPICAL EXTERIOR MASONRY WALL ASSEMBLY 2
3" = 1'-0"



4 G2.01 TYPICAL EXTERIOR EIFS WALL ASSEMBLY
3" = 1'-0"



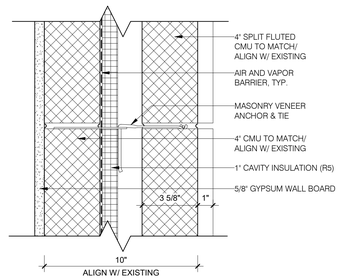
5 G2.01 TYPICAL METAL PANEL ASSEMBLY W/ 6" CFMF
3" = 1'-0"



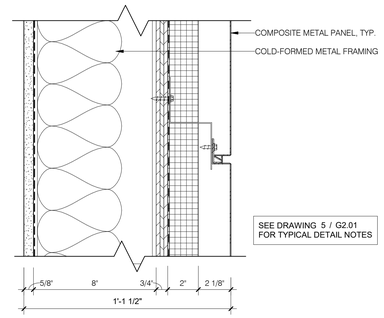
MTL. STUD PARTITION TYPE E

(2) LAYERS EACH SIDE

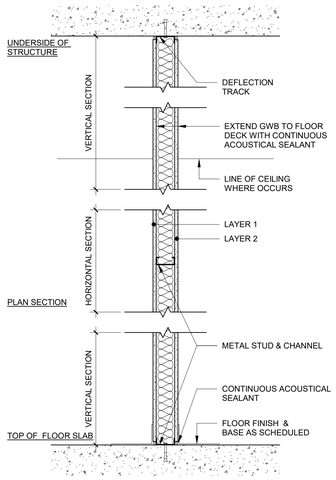
Type Mark	Width	WALL STRUCTURE INTERIOR Layer 1	INTERIOR Layer 2	CORE Stud size	CORE Stud Material	EXTERIOR Layer 3	EXTERIOR Layer 4	Batt Insu.	Fire Rating	STC Rating	UL Design
E1	6 1/8"	5/8" GWB	5/8" GWB	3 5/8"	METAL	5/8" GWB	5/8" GWB		2HR		U419
E2	4 5/8"	3/4" GWB	3/4" GWB	1 5/8"	METAL	3/4" GWB	3/4" GWB		3HR		U419



7 G2.01 TYPICAL EXTERIOR MASONRY WALL - MATCH EXIST.
3" = 1'-0"



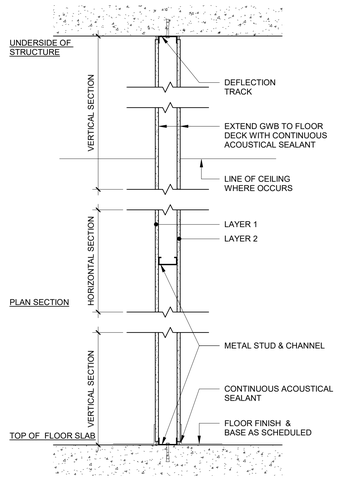
6 G2.01 TYPICAL METAL PANEL ASSEMBLY W/ 8" CFMF
3" = 1'-0"



MTL. STUD PARTITION TYPE A

SOIUND CONTROL ASSSEMBLIES - (1) LAYER EACH SIDE

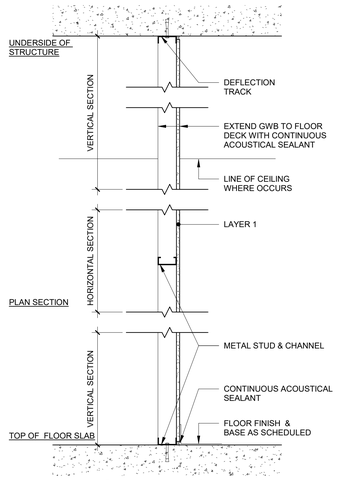
Type Mark	Width	WALL STRUCTURE INTERIOR Layer 1	INTERIOR Stud size	CORE Stud Material	EXTERIOR Layer 2	Batt Ins.	Fire Rating	STC Rating	UL Design
A1	4 7/8"	5/8" GWB	3 5/8"	METAL	5/8" GWB	●		52	
A2	4 7/8"	5/8" GWB	3 5/8"	METAL	5/8" GWB	●	1HR	52	U425
A3	7 1/4"	5/8" GWB	6"	METAL	5/8" GWB	●		52	



MTL. STUD PARTITION TYPE B

(1) LAYER EACH SIDE

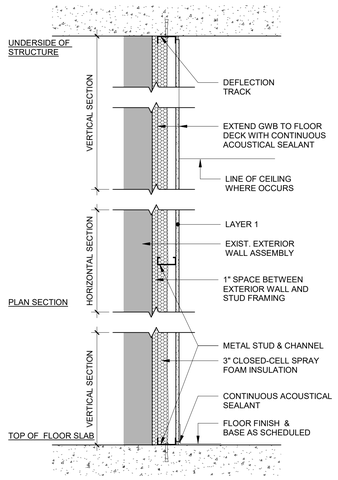
Type Mark	Width	WALL STRUCTURE INTERIOR Layer 1	INTERIOR Stud size	CORE Stud Material	EXTERIOR Layer 2	Batt Ins.	Fire Rating	STC Rating	UL Design
B1	4 7/8"	5/8" GWB	3 5/8"	METAL	5/8" GWB				
B2	7 1/4"	5/8" GWB	6"	METAL	5/8" GWB				



MTL. STUD PARTITION TYPE C

(1) LAYER ONE SIDE

Type Mark	Width	WALL STRUCTURE CORE Stud size	CORE Stud Material	EXTERIOR Layer 1	Batt Insu.	Fire Rating	STC Rating	UL Design
C1	1 1/2"	7/8"	METAL	5/8" GWB				
C2	2 1/4"	1 5/8"	METAL	5/8" GWB				
C3	3 1/8"	2 1/2"	METAL	5/8" GWB				
C4	4 1/4"	3 5/8"	METAL	5/8" GWB				
C5	4 1/4"	3 5/8"	METAL	5/8" GWB	●			



MTL. STUD PARTITION TYPE D

(1) LAYER ONE SIDE

Type Mark	Width	WALL STRUCTURE CORE Stud size	CORE Stud Material	EXTERIOR Layer 1	Batt Insu.	Fire Rating	STC Rating	UL Design
D1	5 1/4"	3 5/8"	METAL	5/8" GWB				

1 G2.01 PARTITION TYPES
1" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

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REVISIONS

NO	DATE	DESCRIPTION
1	10/03/2022	ADDENDUM #1

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
EXTERIOR WALL & INTERIOR PARTITION TYPES

SCALE: **As indicated**
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DATE: **9/23/2022**
CHECKED BY: **-**

DRAWING NUMBER:
G2.01

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NOTES

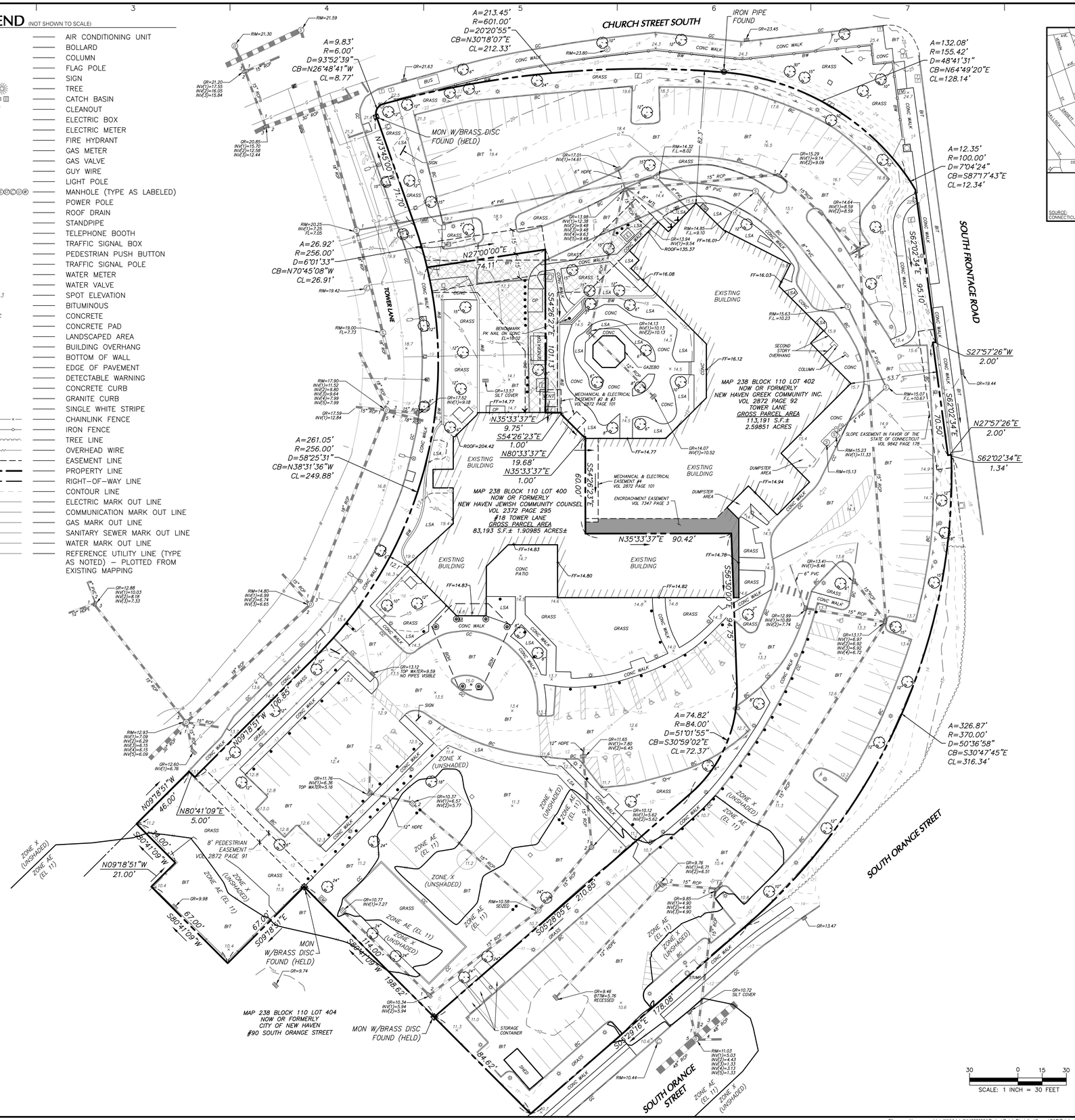
1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20–300b–1 THROUGH 20–300b–20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
   a. THIS SURVEY IS A PROPERTY SURVEY CONFORMING TO A HORIZONTAL ACCURACY OF A–2 AND A TOPOGRAPHIC SURVEY CONFORMING TO A T–2 ACCURACY. THE BOUNDARY DETERMINATION IS A RESURVEY. THE PURPOSE OF THIS SURVEY IS TO PROVIDE A BOUNDARY OPINION AND DEPICT SITE FEATURES FOR FUTURE SITE DEVELOPMENT.
2. THIS SURVEY IS BASED UPON EXISTING PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, DEED INFORMATION AND THE FOLLOWING REFERENCES:
   A. MAP TITLED "ALTA/NSPS LAND TITLE SURVEY, PROPERTY SURVEY OF NEW HAVEN JEWISH FEDERATION HOUSING CORPORATION," BY: GODFREY HOFFMAN ASSOCIATES, INC. SCALE: 1"=40' DATED: AUGUST 28, 1998.
   B. MAP TITLED "JEWISH ELDERLY HOUSING TOWER ONE EXTENSION 18 TOWER DRIVE NEW HAVEN" SCALE: 1"=40', DATED: 2/2/81, BY: UNITED ILLUMINATION, MAP BOOK 38 PAGE 47
   C. MAP TITLED "RIGHT OF WAY SURVEY TOWN OF NEW HAVEN MAP SHOWING LAND ACQUIRED FROM THE NEW HAVEN JEWISH COMMUNITY COUNCIL HOUSING CORPORATION BY THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION ROUTE 34 EAST DOWNTOWN CROSSING", SCALE: 1"=40', DATED: JANUARY 2018, LAST REVISED: 12/17/18, TOWN NO. 092, PROJECT NO. 92–680, SERIAL NO. 1, SHEET 1 OF 1
3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO CONNECTICUT STATE PLANE COORDINATE SYSTEM NAD 83 (EPOCH 2011). POSITION WAS DETERMINED BY GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS) AS PROVIDED BY HXGN SMARTNET CONTINUOUSLY OPERATED REFERENCE STATIONS (CORS).
4. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (GEOID 12B) AS DETERMINED BY GNSS
5. PLANIMETRIC AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN CT, INC. FIELD WORK COMPLETED DURING THE MONTH OF MARCH 2021.
6. AS PER THE NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP ENTITLED "NEW HAVEN COUNTY, CONNECTICUT PANEL 441 OF 635, MAP NUMBER 09009C0441J, EFFECTIVE DATE JULY 8, 2013" THE PROJECT AREA IS IN ZONE X (UNSHADED) AND ZONE AE (EL 11).
7. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND LOCATIONS WHERE DATA IS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE, THE SURVEYOR CANNOT, AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.
8. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC.) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.
9. UNLESS SPECIFICALLY NOTED HEREON, THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
10. ALL BUILDINGS AND STRUCTURES WERE LOCATED AND MEASURED AT GROUND LEVEL. THE SURVEYOR MAKES NO DETERMINATIONS OR GUARANTEES AS TO THE ABSENCE, EXISTENCE OR LOCATION OF UNDERGROUND STRUCTURES, FOUNDATIONS, FOOTINGS, PROJECTIONS, WALLS, TANKS, SEPTIC SYSTEMS, ETC. NO TEST PITS, EXCAVATIONS OR GROUND PENETRATING RADAR WERE PERFORMED AS PART OF THIS SURVEY.
11. PRIOR TO ANY DESIGN OR CONSTRUCTION, THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
12. THIS SURVEY IS NOT VALID WITHOUT THE EMBOSSED OR INKED SEAL OF THE PROFESSIONAL.

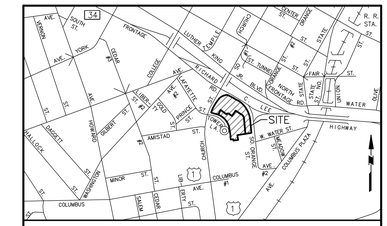
LEGEND (NOT SHOWN TO SCALE)

- AIR CONDITIONING UNIT
- BOLLARD
- COLUMN
- FLAG POLE
- SIGN
- TREE
- CATCH BASIN
- CLEANOUT
- ELECTRIC BOX
- ELECTRIC METER
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- GUY WIRE
- LIGHT POLE
- MANHOLE (TYPE AS LABELED)
- POWER POLE
- ROOF DRAIN
- STANDPIPE
- TELEPHONE BOOTH
- TRAFFIC SIGNAL BOX
- PEDESTRIAN PUSH BUTTON
- TRAFFIC SIGNAL POLE
- WATER METER
- WATER VALVE
- X 262.3 — SPOT ELEVATION
- BIT — BITUMINOUS
- CONC — CONCRETE
- CP — CONCRETE PAD
- LSA — LANDSCAPED AREA
- BOH — BUILDING OVERHANG
- BW — BOTTOM OF WALL
- EP — EDGE OF PAVEMENT
- DW — DETECTABLE WARNING
- CC — CONCRETE CURB
- GC — GRANITE CURB
- SWS — SINGLE WHITE STRIPE
- CHAINLINK FENCE
- IRON FENCE
- TREE LINE
- OVERHEAD WIRE
- EASEMENT LINE
- PROPERTY LINE
- RIGHT–OF–WAY LINE
- 322 — CONTOUR LINE
- E — ELECTRIC MARK OUT LINE
- C — COMMUNICATION MARK OUT LINE
- G — GAS MARK OUT LINE
- S — SANITARY SEWER MARK OUT LINE
- W — WATER MARK OUT LINE
- R* — REFERENCE UTILITY LINE (TYPE AS NOTED) – PLOTTED FROM EXISTING MAPPING

EASEMENT LEGEND

- EASEMENT IN FAVOR OF THE UNITED ILLUMINATING COMPANY AND THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY VOL 2937 PAGE 290 AND REF. MAP 2B
- 15' COMMON RIGHTS OF WAY VOL 2372 PAGE 295
- SHARED PARKING CROSS EASEMENT ACROSS ALL PAVED PARKING AREAS VOL 7347 PAGE 3
- ACCESS CROSS EASEMENT FOR VEHICULAR & PEDESTRIAN INGRESS AND EGRESS OVER AND UPON THE PAVED DRIVEWAY AREAS VOL 7347 PAGE 3
- OPEN SPACE EASEMENT AS DEFINED IN VOL 2372 PAGE 295 AND MODIFIED IN VOL 5865 PAGE 329 HAS BEEN PARTIALLY RELEASED IN VOL 6207 PAGE 246 AND FULLY RELEASED IN VOL 10010 PAGE 126.





PROJECT LOCATION MAP

SCALE: 1"=1000"

SOURCE: CONNECTICUT DEPARTMENT OF TRANSPORTATION

SCALE: 1 INCH = 30 FEET

Date	Description	No.

REVISIONS

"TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

4/12/2021

ANDREW G. IVES — DATE SIGNED

PROFESSIONAL LAND SURVEYOR
CT STATE LIC. NO. 70286

STATE OF CONNECTICUT ANDREW G. IVES No. 70286 LICENSED LAND SURVEYOR

LANGAN

Langan CT, Inc.
555 Long Wharf Drive
New Haven, CT 06511

T: 203.562.5771 F: 203.789.6142 www.langan.com

Project

18 TOWER LANE

NEW HAVEN — CONNECTICUT

Drawing Title

BOUNDARY AND TOPOGRAPHIC SURVEY

Project No.	Drawing No.
140230001	VB101
Date: APRIL 12, 2021	
Drawn By: JJC	
Checked By: AGI	Sheet 1 of 1

LANGAN

PROJECT NO. 140230001

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GENERAL NOTES

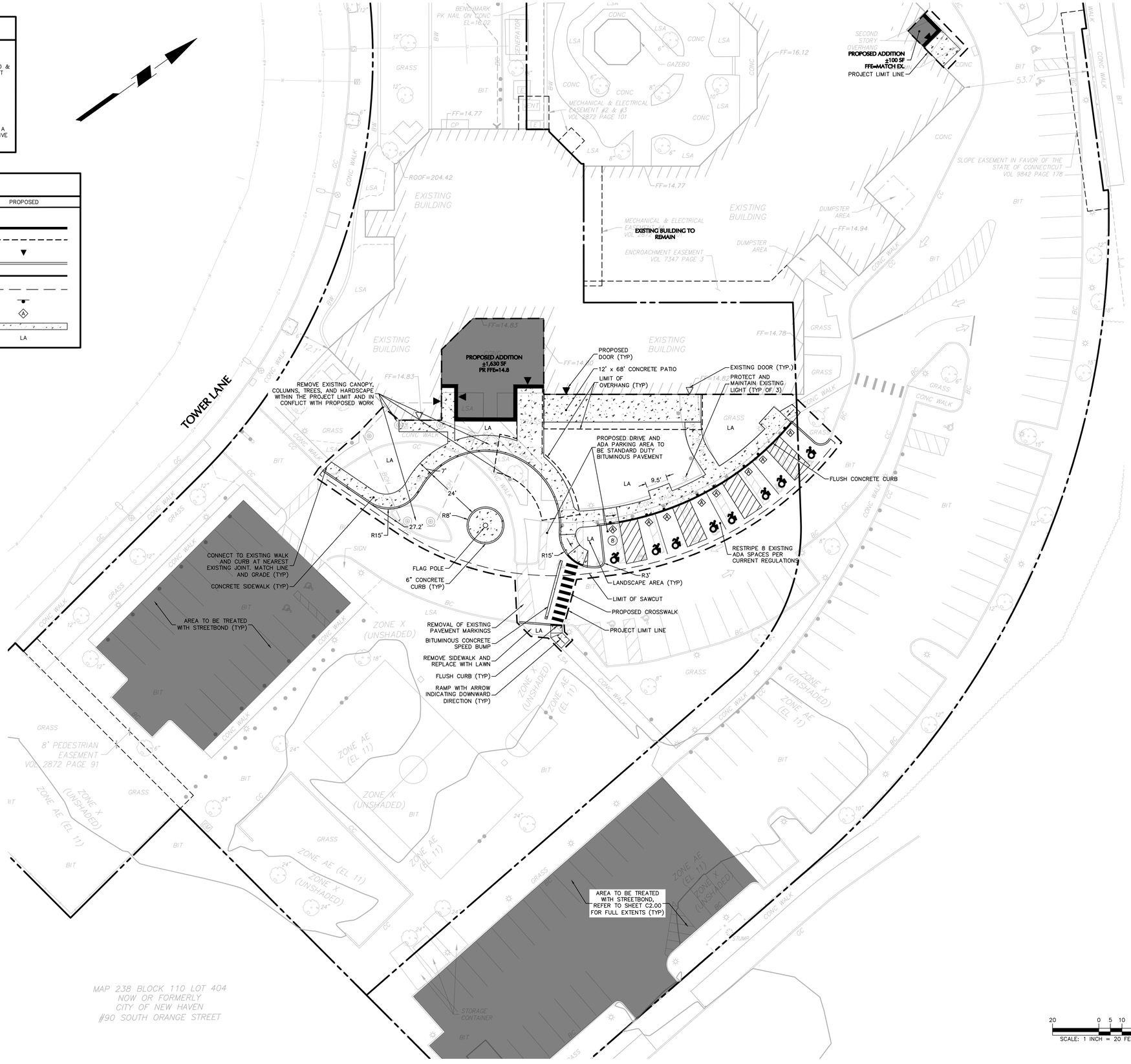
1. EXISTING INFORMATION OBTAINED FROM THE FOLLOWING PLANS
   1.1. "ALTA/NSPS LAND TITLE SURVEY", PROPERTY OF NEW HAVEN JEWSH FEDERATION HOUSING CORPORATION & NEW HAVEN JEWISH COMMUNITY COUNCIL HOUSING CORPORATION, TOWER LANE, SOUTH FRONTAGE ROAD & CHURCH STREET EXTENSION, NEW HAVEN, CONNECTICUT, DATED AUGUST 28, 1998, REVISED TO AUG. 22, 2017, AND PREPARED BY GODFREY HOFFMAN ASSOCIATES.
   1.2. "PARTIAL TOPOGRAPHIC SURVEY", PREPARED BY LANGAN.
2. PROPOSED BUILDING FOOTPRINT RECEIVED ELECTRONICALLY FROM NEWMAN ARCHITECTURE IN MARCH 2021.
3. THE PROJECT LIMIT IS LOCATED WITHIN ZONE X, AN AREA OF MINIMAL FLOODING, HOWEVER A PORTION OF THE PARCEL IS WITHIN ZONE AE WITH A BASE FLOOD ELEVATION OF 11 PER FEMA FIRM MAP 09009C0441J, EFFECTIVE DATE 7/8/2013.

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
BUILDING LINE		
BUILDING OVERHANG LINE		
BUILDING DOOR		
CURB LINE		
FLUSH CURB LINE		
SAWCUT LINE		
TRAFFIC SIGN		
TRAFFIC SIGN DESIGNATION		A
CONCRETE		
LANDSCAPE AREA		LA

SIGN LEGEND

RESERVED PARKING
PERMIT REQUIRED
VIOLATORS WILL BE FINED MIN $250
VAN ACCESSIBLE
31-0662
A



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NEWMAN ARCHITECTS, PC

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
140230001

DRAWING TITLE:
SITE PLAN

SCALE:	DRAWN BY:
1"=20'	ATG
DATE: 09/23/2022	CHECKED BY: KEG

DRAWING NUMBER:
C1.00

Date: 9/23/2022 Time: 15:56 User: afay Style Table: Langan.stb Layout: C1.00 24x36 Document Code: 140230001-0501-C5101-0101

GENERAL NOTES

1. EXISTING INFORMATION OBTAINED FROM THE FOLLOWING PLANS
   1.1. "ALTA/NSPS LAND TITLE SURVEY", PROPERTY OF NEW HAVEN JEWISH FEDERATION HOUSING CORPORATION & NEW HAVEN JEWISH COMMUNITY COUNCIL HOUSING CORPORATION, TOWER LANE, SOUTH FRONTAGE ROAD & CHURCH STREET EXTENSION, NEW HAVEN, CONNECTICUT, DATED AUGUST 28, 1998, REVISED TO AUG. 22, 2017, AND PREPARED BY GODFREY HOFFMAN ASSOCIATES.
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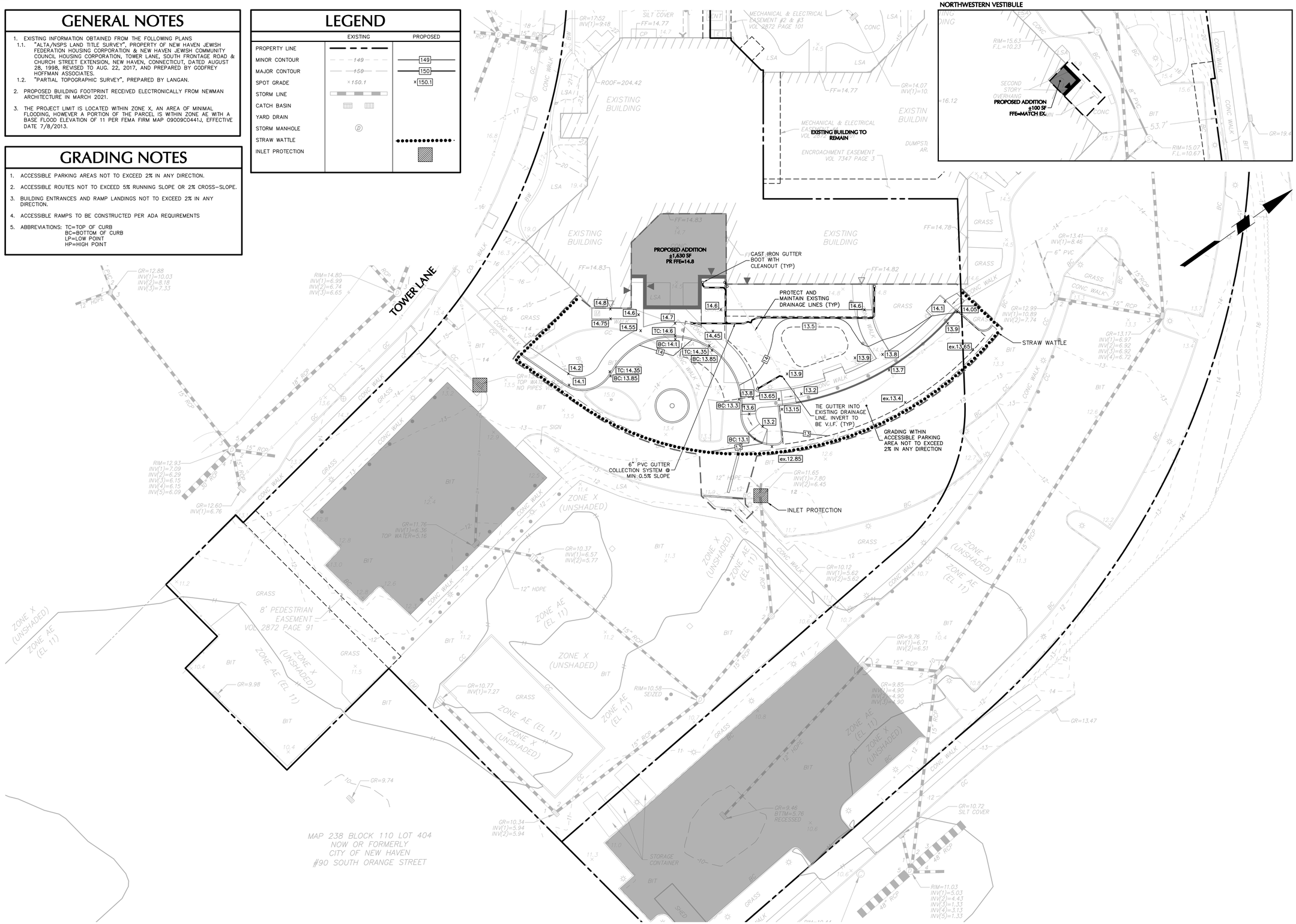
GRADING NOTES

1. ACCESSIBLE PARKING AREAS NOT TO EXCEED 2% IN ANY DIRECTION.
2. ACCESSIBLE ROUTES NOT TO EXCEED 5% RUNNING SLOPE OR 2% CROSS-SLOPE.
3. BUILDING ENTRANCES AND RAMP LANDINGS NOT TO EXCEED 2% IN ANY DIRECTION.
4. ACCESSIBLE RAMPS TO BE CONSTRUCTED PER ADA REQUIREMENTS
5. ABBREVIATIONS: TC=TOP OF CURB
   BC=BOTTOM OF CURB
   LP=LOW POINT
   HP=HIGH POINT

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
MINOR CONTOUR	149	149
MAJOR CONTOUR	150	150
SPOT GRADE	×150.1	×150.1
STORM LINE		
CATCH BASIN		
YARD DRAIN		
STORM MANHOLE	Ⓓ	
STRAW WATTLE		
INLET PROTECTION		



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

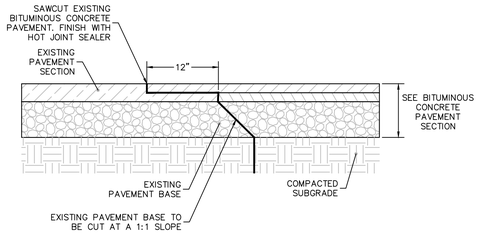
PROJECT NUMBER:
140230001

DRAWING TITLE:
GRADING, DRAINAGE, SITE UTILITY, SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE:	DRAWN BY:
1"=20'	ATG
DATE: 09/23/2022	CHECKED BY: KEG

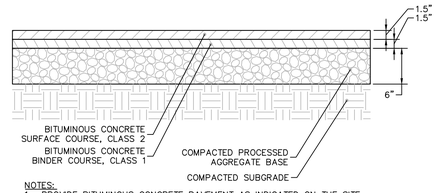
DRAWING NUMBER:
C3.00

Date: 9/23/2022 Time: 16:31 User: agendon Style Table: Langan.stb Layout: C3.00 24x36 Document Code: 140230001-0501-CG101-0101



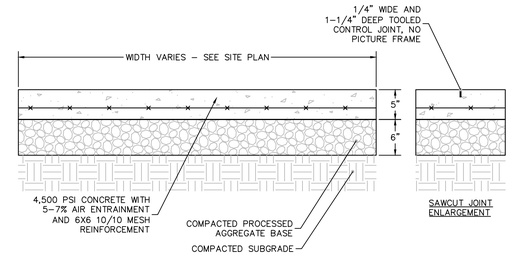
NOTES:
1. CONTRACTOR TO INSTALL TACK COAT ON ALL BUTT EDGES OF EXISTING PAVEMENT

1 SAW CUT PAVEMENT SECTION
N.T.S



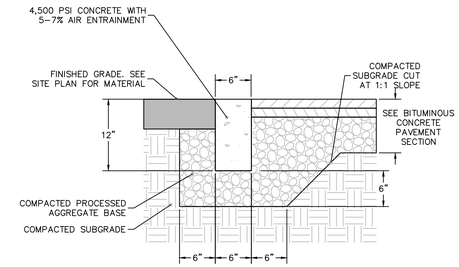
NOTES:
1. PROVIDE BITUMINOUS CONCRETE PAVEMENT AS INDICATED ON THE SITE PLAN.
2. BITUMINOUS CONCRETE SHALL CONFORM TO CT D.O.T. SPECIFICATIONS, FORM 816 SECTION 4.06, LATEST REVISION
3. PROCESSED AGGREGATE SHALL CONFORM TO CT D.O.T. SPECIFICATIONS, FORM 818 SECTION 3.04, LATEST REVISION
4. EXISTING PROCESSED AGGREGATE BASE WITHIN THE PARKING AREAS MAY BE REUSED IN-PLACE SO LONG AS THE CONTRACTOR CONFIRMS THAT THE EXISTING DEPTH, GRADATION, AND COMPACTION OF THE MATERIAL MEETS THE REQUIREMENTS OF THIS PROPOSED PAVEMENT SECTION AND SPECIFICATIONS. CONTRACTOR TO CONFIRM EXISTING THICKNESS A MINIMUM OF ONCE EVERY 2,500 SF

2 BITUMINOUS CONCRETE PAVEMENT SECTION - STANDARD DUTY
N.T.S

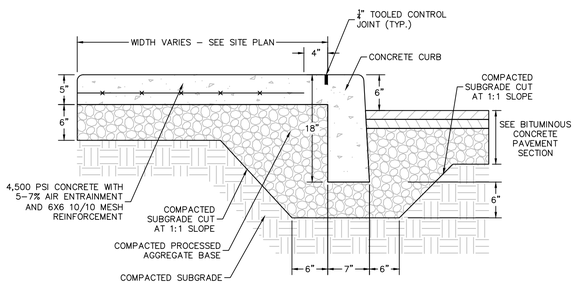


NOTES:
1. ALL CONTROL JOINTS TO BE TOOLED WITH NO PICTURE FRAME, REFER TO ENLARGEMENT
2. SIDEWALKS TO COMPLY WITH CITY STANDARDS WHERE APPLICABLE.
3. IF NOT SPECIFICALLY DETAILED MAXIMUM SPACING OF JOINTS SHALL BE AS FOLLOWS:
   EXPANSION – 20 FT.
   CONTROL – 5 FT.
4. CONTROL JOINTS SHALL BE SPACED EQUAL TO THE WIDTH BUT SHALL NOT EXCEED 5 FT. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE, FREE OF SAGS AND SHORT GRADE CHANGES.
5. SURFACE TEXTURE SHALL BE A LIGHT BROOMING, TRANSVERSE TO THE LENGTH OF THE WALK.
6. CONTRACTOR TO PROVIDE 10'x10' MOCKUP SHOWING EXPANSION JOINTS, SAWCUT JOINTS, AND BROOM FINISH PRIOR TO INSTALLATION

3 ON-SITE CONCRETE SIDEWALK
N.T.S

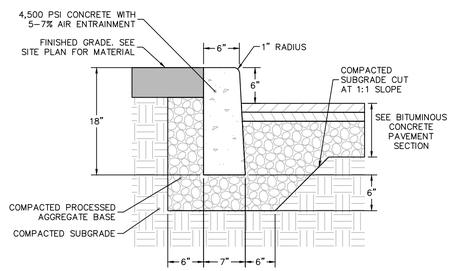


4 FLUSH CONCRETE CURB
N.T.S



NOTES:
1. SURFACE TEXTURE SHALL BE A LIGHT BROOMING, TRANSVERSE TO THE LENGTH OF THE WALK.
2. CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE, FREE OF SAGS AND SHORT GRADE CHANGES.
3. CONTROL JOINTS SHALL BE SPACED EQUAL TO THE WIDTH BUT SHALL NOT EXCEED 6 FT. WITHOUT REINFORCING.
4. PROCESSED AGGREGATE SHALL CONFORM TO CT D.O.T. SPECIFICATIONS, FORM 818 SECTION 3.04, LATEST REVISION

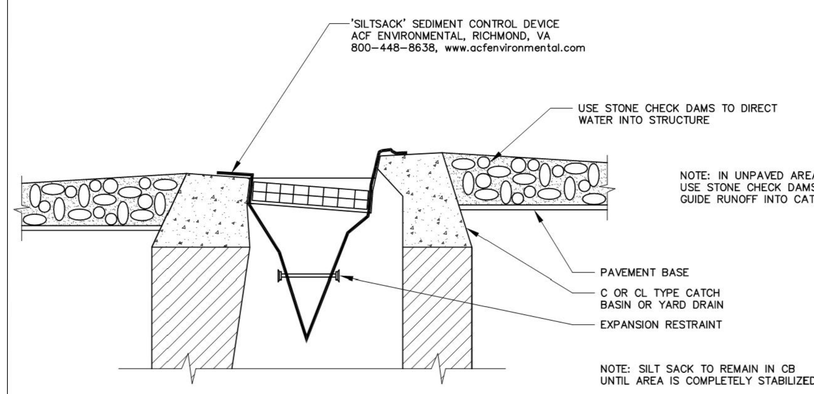
5 CONCRETE CURB AND SIDEWALK
N.T.S



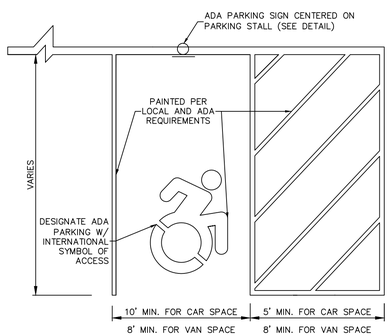
NOTES:
1. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CAST-IN-PLACE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS JOINT FILLER.
2. FOR CAST-IN-PLACE CURB, EXPOSED CONCRETE SURFACE IS TO BE RUBBED TO PROVIDE SMOOTH FINISHED SURFACE.
3. PROCESSED AGGREGATE SHALL CONFORM TO CT D.O.T. SPECIFICATIONS, FORM 818 SECTION 3.04, LATEST REVISION

6 6" CONCRETE CURB
N.T.S

CITY OF NEW HAVEN DEPARTMENT OF ENGINEERING	DRIVE: K:\ENGINEER\DWG FILE: CITYSTD\DETAILS\2009 DETAILS
RICHARD H. MILLER, P.E., L.S. 9886 CITY ENGINEER	DATE: DEC. 1, 2009 DRAWING NO.: STD-NH-08F



7 SILT SACK AT CATCH BASIN (CITY OF NEW HAVEN)

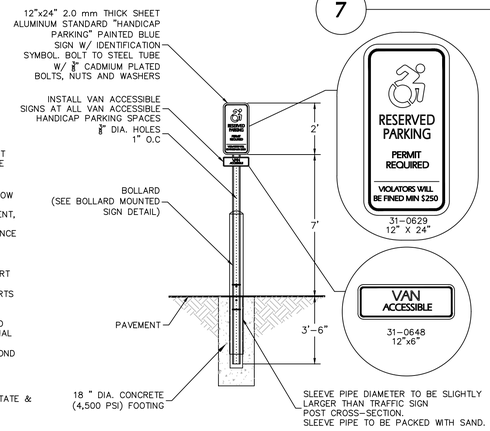


NOTES:
1. SYMBOLS & PARKING STALLS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. ALL PAINT SHALL BE SHERWIN-WILLIAMS "SETFAST" PAINT. #TM2160 – WHITE
3. APPLY 2 COATS OF TRAFFIC TYPE PAINT. APPLY THE FIRST COAT NOT LESS THAN 5 DAYS AFTER THE PLACING OF BITUMINOUS PAVEMENT APPLY SECOND COAT JUST PRIOR TO BUILDING OPENING.

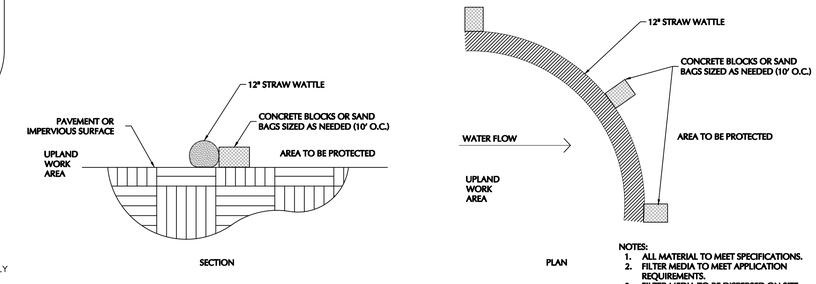
8 ADA PARKING STALL STRIPING
N.T.S

NOTES:
1. ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
2. ALL POSTS SHALL BE EMBEDDED 3'-6" MINIMUM BELOW GRADE.
3. ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATION A123-78 (OR LATEST REVISED).
4. POSTS SHALL BE BREAKAWAY TYPE II TWO-PIECE U-POST OR OTHER BREAKAWAY STRUCTURAL SUPPORT HARDWARE AS NOTED IN THE LATEST EDITION OF AASHTO'S "SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS."
5. SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBERS AS SHOWN ON THIS DETAIL AND DIRECTIONAL SIGN SHEET.
6. BOLTS SHALL NOT PROTRUDE MORE THAN 3/4" BEYOND THE NUT WHEN TIGHT BUT SHALL ENGAGE ALL THREADS IN THE NUT.

ADA PARKING SIGN SHALL CONFORM WITH CURRENT STATE & LOCAL CODES AND REGULATIONS.



9 ADA PARKING SIGN
N.T.S



NOTES:
1. ALL MATERIAL TO MEET SPECIFICATIONS.
2. FILTER MEDIA TO MEET APPLICATION REQUIREMENTS.
3. FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

10 STRAW WATTLE
N.T.S

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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

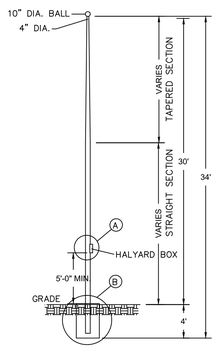
PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
140230001

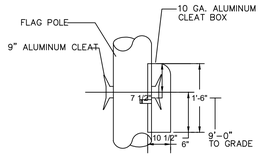
DRAWING TITLE:
SITE DETAILS I

SCALE:	DRAWN BY: ATG
DATE: 09/23/2022	CHECKED BY: KEG

DRAWING NUMBER:
C1.50



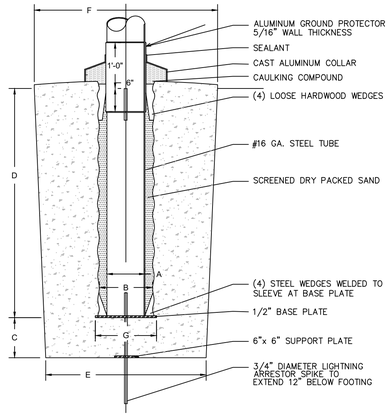
FLAG POLE/ IN-GROUND ELEVATION



(A) HALYARD BOX DETAIL

FLAG POLE LENGTH TABLE			
POLE LENGTH	BURIED LENGTH	STRAIGHT SECTION LENGTH	TAPERED SECTION LENGTH
30' – 0"	4' – 0"	15' – 0"	15' – 0"

FOUNDATION & BUTT TABLE – TAPERED POLE								
POLE LENGTH	A	B	C	D	E	F	G	
34' – 0"	8"	12"	9"	48"	36"	45"	16"	



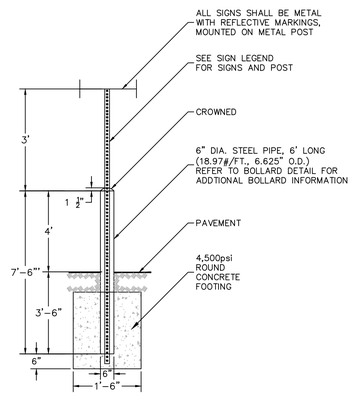
(B) FLAG POLE/ IN-GROUND FOUNDATION DETAIL

NOTES:

1. POLE TO BE BRUSHED ALUMINUM, NO POWDER COAT
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO INSTALLATION
3. THE CONTRACTOR SHALL CONFIRM CONNECTIONS TO THE FOUNDATION WITH THE SELECTED MANUFACTURER. ANY DEVIATIONS FROM THE DETAIL PROVIDED SHALL BE SUBMITTED AS A SHOP DRAWING SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT.

1 FLAGPOLE DETAILS

N.T.S



2 BOLLARD MOUNTED SIGN

N.T.S

LAWN SEED MIX

1. LAWN SEED MIX: LESCO GRASS SEED – ALL PRO TRANSITION MIX (3 TURF–TYPE TALL–FESCUE GRASSES)

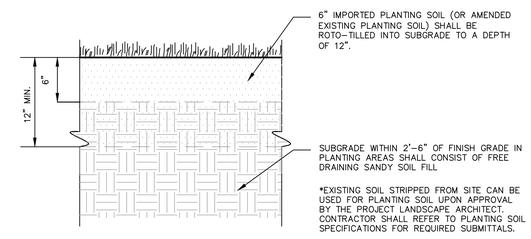
   NOTES:
   A) SEED RATE:
      1) NEW ESTABLISHMENT: SEED AT A RATE OF 6–8 LBS/1000 SQ FT
      2) RENOVATION: 20–50% EXISTING COVER: 5–7 LBS/1000 SQ FT
         50–75% EXISTING COVER: 4–6 LBS/1000 SQ FT

2. GENERAL SEED NOTES:

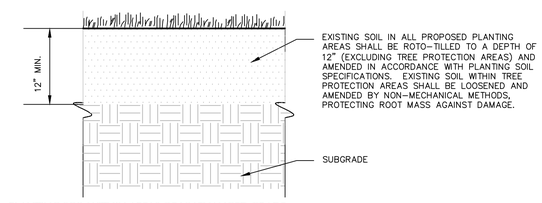
   A) FINAL SEED MIXTURES, RATES, AND SPECIES TO BE DETERMINED BASED ON PROJECT LANDSCAPE ARCHITECT REVIEW.
   B) SEEDING SHALL TAKE PLACE IN THE SPRING (APRIL 1 TO JUNE 15) OR THE FALL (SEPTEMBER 1 TO OCTOBER 15).
   C) ELIMINATE UNWANTED VEGETATION PRIOR TO SEEDING USING A GLYPHOSATE–BASED HERBICIDE PER MANUFACTURER'S SPECIFICATIONS.
   D) IT IS RECOMMENDED THAT CONTRACTOR INSTALL SEED MIXTURE USING A NO–TILL TRUAX–TYPE DRILL SEEDER WHERE APPLICABLE.
   E) THERE MUST BE CONTINUOUS SOIL MOISTURE FOR 4–6 WEEKS TO ALLOW FOR PROPER GERMINATION.

GENERAL NOTE:

DUE TO GENERAL CONSTRUCTION ACTIVITIES AND ADJACENT SITE COMPACTION REQUIREMENTS, SUBGRADE SOILS WITHIN PROPOSED PLANTING AREAS TEND TO BECOME HIGHLY COMPACTED. IN ORDER TO CREATE A HEALTHY GROWTH MEDIUM TO ALLOW PROPOSED PLANTINGS TO ESTABLISH A VIGOROUS ROOT MASS, THIS SUBGRADE SOIL MUST UNDERGO A RESTORATION PROCESS. IN ADDITION, IMPORTED OR AMENDED EXISTING SOILS SHALL BE MIXED WITH SUBGRADE SOILS WHERE THEY MEET IN ORDER TO CREATE A TRANSITIONAL GRADIENT TO ALLOW FOR PROPER DRAINAGE.



PLANTING SOIL WITHIN AREAS OF CUT OR RAISED GRADE



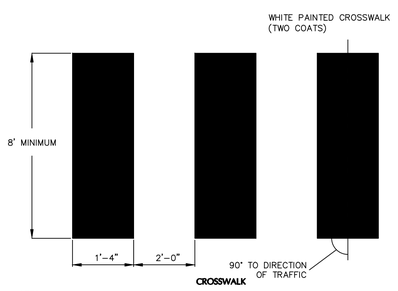
PLANTING SOIL WITHIN AREAS OF UNCHANGED GRADE

NOTES:

1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING SOILS INTENDED FOR USE IN PLANTING AREAS (1 PER 500 CY.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE.
2. RECYCLED CRUSHED CONCRETE AND ASPHALT MILLINGS SHALL NOT BE PLACED WITHIN 2'–6" OF FINISH GRADE IN PROPOSED LANDSCAPE AREAS.
3. IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCEEDENCE OF THE APPLICABLE STATE ENVIRONMENTAL STANDARDS AND MEET THE ENVIRONMENTAL REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF COMPLIANCE PRIOR TO DELIVERY OF ANY FILL TO THE SITE.
4. CONTRACTOR TO LIGHTLY COMPACT ALL PLACED PLANTING SOILS AND RAISE GRADES ACCORDINGLY TO ALLOW FOR FUTURE SETTLEMENT OF PLANTING SOILS (TYP.)
5. NO STONES, WOOD CHIPS, OR DEBRIS LARGER THAN 1/2" SHALL BE ACCEPTABLE WITHIN PLANTING AREAS.

6 PLANTING SOIL

N.T.S

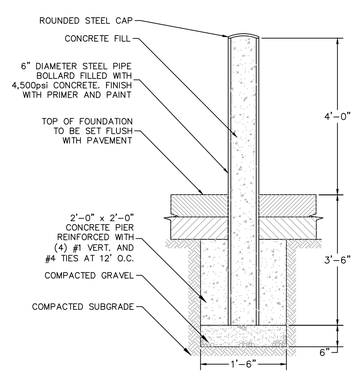


NOTES:

1. PAVEMENT MARKINGS TO BE INSTALLED FOR ON SITE WORK IN LOCATIONS SHOWN.
2. CROSSWALK TO BE INSTALLED MINIMUM 4 FEET FROM STOP BAR

3 ON-SITE PAVEMENT MARKINGS

N.T.S

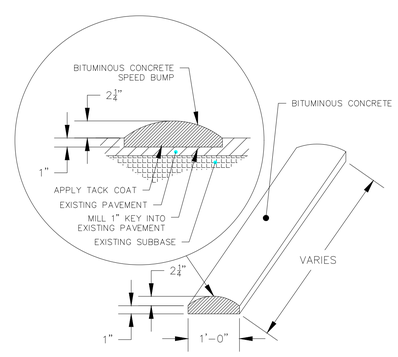


NOTES:

1. PAINT PRIME AND FINISH COATS TO BE COMPATIBLE WITH EXTERIOR METAL SURFACES. COLOR SHALL BE PROVIDED OWNER/ARCHITECT

4 BOLLARD

N.T.S



5 BITUMINOUS CONCRETE SPEED BUMP

N.T.S

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
140230001

DRAWING TITLE:
SITE DETAILS II

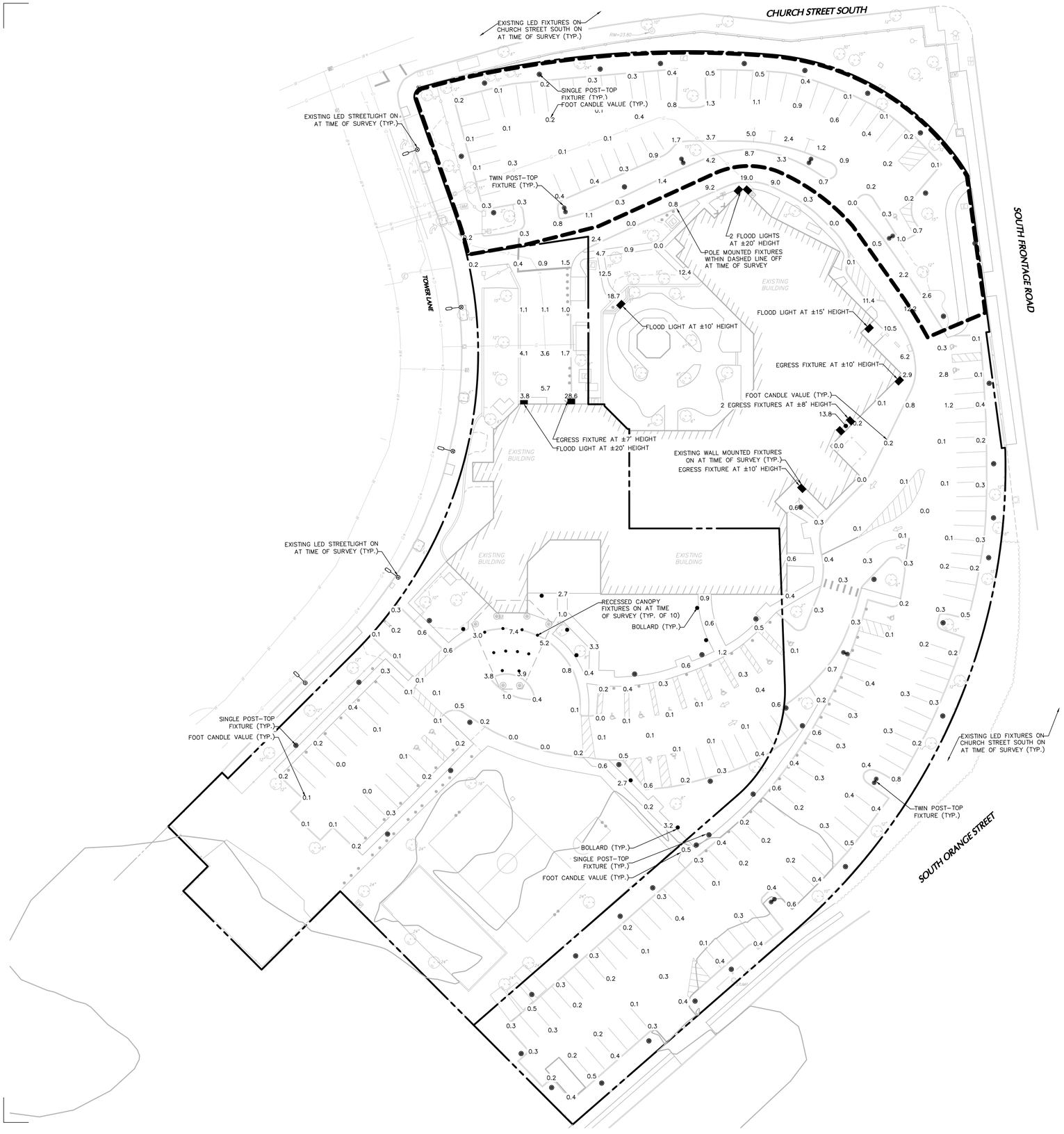
SCALE:

DRAWN BY: ATG

DATE: 09/23/2022

CHECKED BY: KEG

DRAWING NUMBER:
C1.51



SITE LIGHTING SURVEY NOTES

1. LIGHTING READINGS WERE TAKEN ON APRIL 19, 2021 BETWEEN 8:30PM AND 10:00PM.
2. SUNSET WAS AT 7:36 PM
3. WEATHER: 50°F AND SUNNY.
4. ALL READINGS TAKEN ARE IN FOOT-CANDLES.
5. BOUNDARY SURVEY REFERENCE: "18 TOWER LANE BOUNDARY AND TOPOGRAPHIC SURVEY", DATED 4/12/2021, AS PREPARED BY: LANGAN, 555 LONG WHARF DRIVE, NEW HAVEN CT 06511

30 0 15 30
SCALE: 1 INCH = 30 FEET

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
140230001

DRAWING TITLE:
SITE LIGHTING SURVEY

SCALE:	DRAWN BY:
1"=30'	ATG
DATE: 09/23/2022	CHECKED BY: KEG

DRAWING NUMBER:
L2.00

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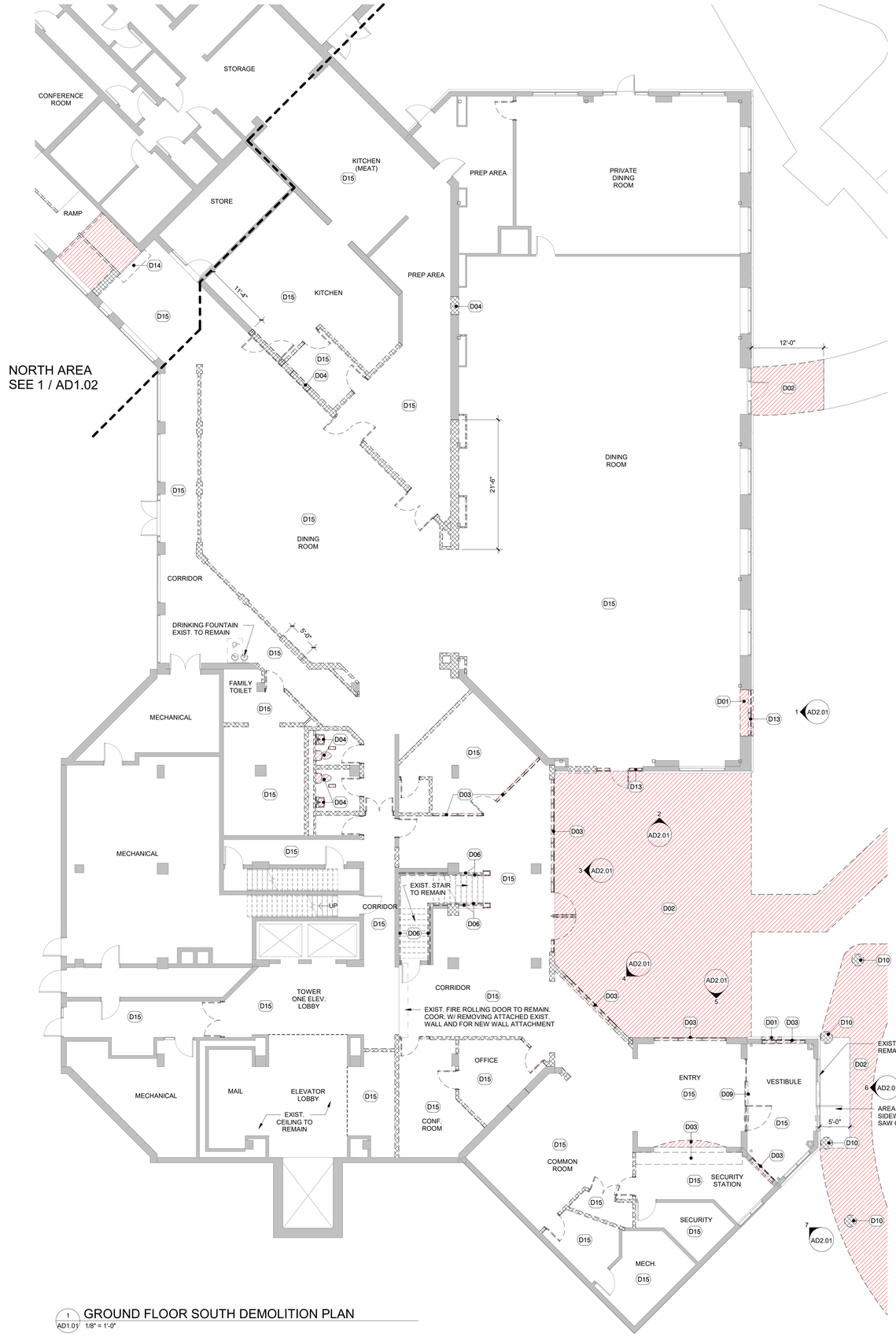
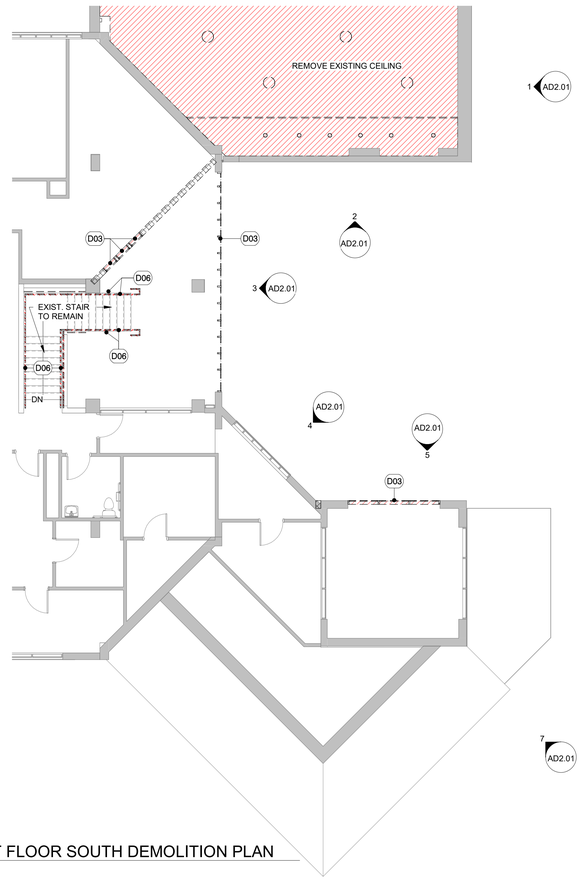


1 AD1.01 GROUND FLOOR SOUTH DEMOLITION PLAN
1/8" = 1'-0"



2 AD1.01 FIRST FLOOR SOUTH DEMOLITION PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

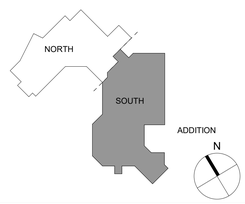
DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- EXISTING WINDOW TO REMAIN
- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING PLUMBING FIXTURES TO BE DEMOLISHED
- EXISTING MILLWORK, ALONG WITH ASSOCIATED PLUMBING FIXTURES, TO BE DEMOLISHED
- AREA OF DEMOLITION WORK
- AREA OF COMPLETE DEMOLITION (FLOORS, WALLS, CEILING, DOORS, WINDOWS, STAIRS, ETC.)

DEMOLITION KEYNOTES

- D01 DEMOLISH EXISTING WALL TO CREATE OPENING TO ACCOMMODATE NEW WORK.
- D02 DEMOLISH EXISTING SLAB
- D03 REMOVE EXISTING WINDOW/ GLAZING SYSTEM
- D04 REMOVE EXISTING PLUMBING FIXTURE
- D05 REMOVE EXISTING EXTERIOR WALL
- D06 REMOVE EXISTING RAILING
- D07 REMOVE EXISTING CASEWORK
- D08 REMOVE EXISTING ROOF ASSEMBLY
- D09 REMOVE EXISTING AUTOMATIC SLIDING DOOR
- D10 REMOVE EXISTING CANOPY, COLUMNS AND SUPPORTING STRUCTURE
- D11 REMOVE EXISTING DRINKING FOUNTAIN AND SAVE/ RESTORE FOR RE-INSTALL AT NEW LOCATION
- D12 CREATE OPENING FOR RELOCATE THE EXISTING DRINKING FOUNTAIN
- D13 REMOVE EXISTING CURTAIN WALL
- D14 REMOVE EXISTING ROLLING FIRE DOOR
- D15 REMOVE EXISTING CEILING AND ASSOCIATED DEVICES.

KEYPLAN



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND & FIRST FLOOR SOUTH DEMOLITION PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**
DRAWING NUMBER:
AD1.01

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1 AD1.02 GROUND FLOOR NORTH DEMOLITION PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

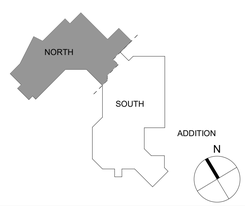
DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- EXISTING WINDOW TO REMAIN
- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING PLUMBING FIXTURES TO BE DEMOLISHED
- EXISTING MILLWORK, ALONG WITH ASSOCIATED PLUMBING FIXTURES, TO BE DEMOLISHED
- AREA OF DEMOLITION WORK
- AREA OF COMPLETE DEMOLITION (FLOORS, WALLS, CEILING, DOORS, WINDOWS, STAIRS, ETC.)

DEMOLITION KEYNOTES

- D01 DEMOLISH EXISTING WALL TO CREATE OPENING TO ACCOMMODATE NEW WORK.
- D02 DEMOLISH EXISTING SLAB
- D03 REMOVE EXISTING WINDOW/ GLAZING SYSTEM
- D04 REMOVE EXISTING PLUMBING FIXTURE
- D05 REMOVE EXISTING EXTERIOR WALL
- D06 REMOVE EXISTING RAILING
- D07 REMOVE EXISTING CASEWORK
- D08 REMOVE EXISTING ROOF ASSEMBLY
- D09 REMOVE EXISTING AUTOMATIC SLIDING DOOR
- D10 REMOVE EXISTING CANOPY, COLUMNS AND SUPPORTING STRUCTURE
- D11 REMOVE EXISTING DRINKING FOUNTAIN AND SAVE/ RESTORE FOR RE-INSTALL AT NEW LOCATION
- D12 CREATE OPENING FOR RELOCATE THE EXISTING DRINKING FOUNTAIN
- D13 REMOVE EXISTING CURTAIN WALL
- D14 REMOVE EXISTING ROLLING FIRE DOOR
- D15 REMOVE EXISTING CEILING AND ASSOCIATED DEVICES.

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR NORTH DEMOLITION PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	HHL
DATE: 9/23/2022	CHECKED BY: -

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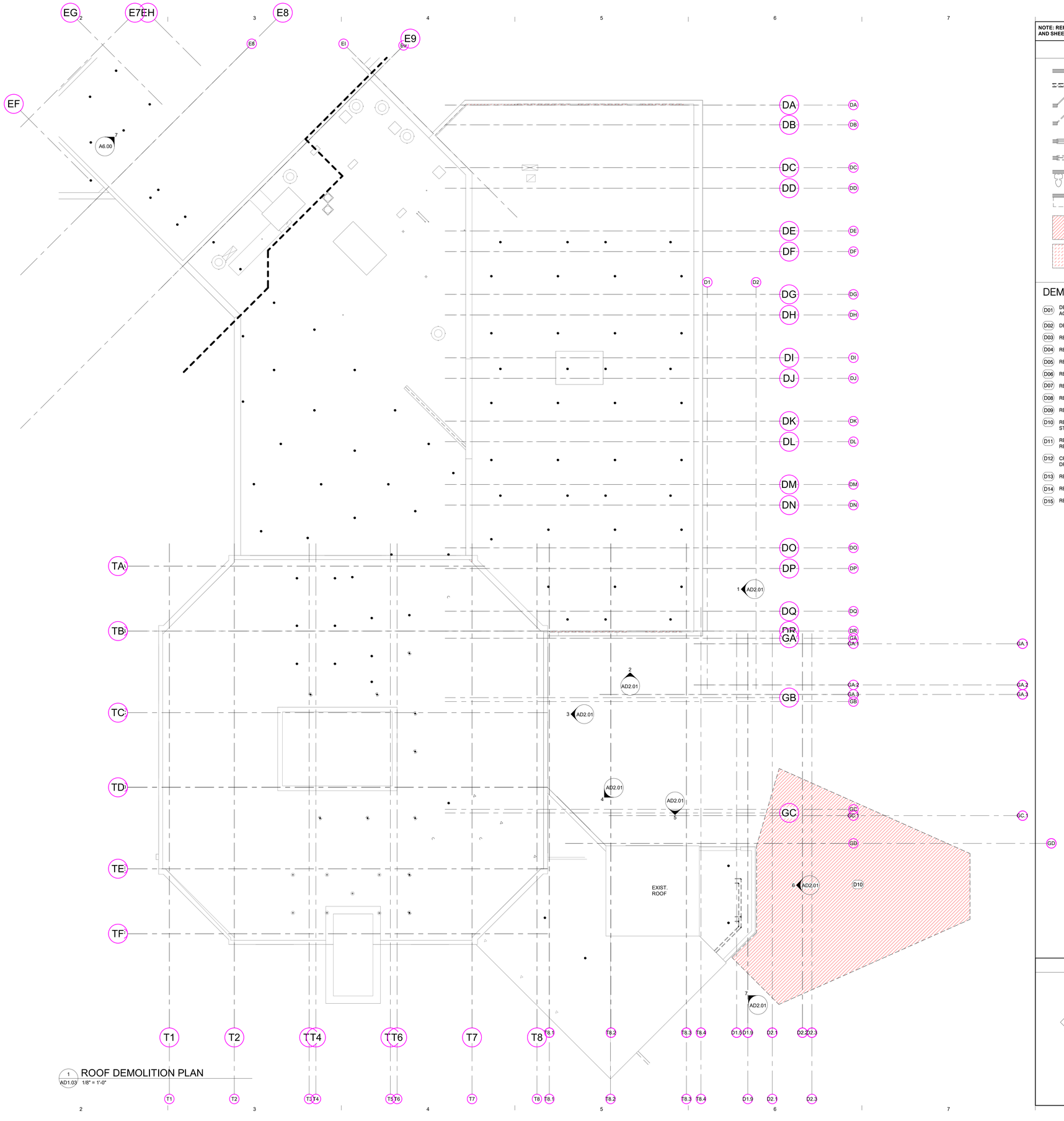


1 AD1.03 ROOF DEMOLITION PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

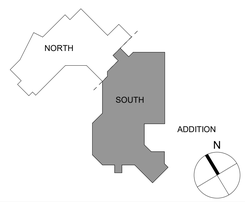
DEMOLITION LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- EXISTING WINDOW TO REMAIN
- EXISTING WINDOW TO BE DEMOLISHED
- EXISTING PLUMBING FIXTURES TO BE DEMOLISHED
- EXISTING MILLWORK, ALONG WITH ASSOCIATED PLUMBING FIXTURES, TO BE DEMOLISHED
- AREA OF DEMOLITION WORK
- AREA OF COMPLETE DEMOLITION (FLOORS, WALLS, CEILING, DOORS, WINDOWS, STAIRS, ETC.)

DEMOLITION KEYNOTES

- D01 DEMOLISH EXISTING WALL TO CREATE OPENING TO ACCOMMODATE NEW WORK.
- D02 DEMOLISH EXISTING SLAB
- D03 REMOVE EXISTING WINDOW/ GLAZING SYSTEM
- D04 REMOVE EXISTING PLUMBING FIXTURE
- D05 REMOVE EXISTING EXTERIOR WALL
- D06 REMOVE EXISTING RAILING
- D07 REMOVE EXISTING CASEWORK
- D08 REMOVE EXISTING ROOF ASSEMBLY
- D09 REMOVE EXISTING AUTOMATIC SLIDING DOOR
- D10 REMOVE EXISTING CANOPY, COLUMNS AND SUPPORTING STRUCTURE
- D11 REMOVE EXISTING DRINKING FOUNTAIN AND SAVE/ RESTORE FOR RE-INSTALL AT NEW LOCATION
- D12 CREATE OPENING FOR RELOCATE THE EXISTING DRINKING FOUNTAIN
- D13 REMOVE EXISTING CURTAIN WALL
- D14 REMOVE EXISTING ROLLING FIRE DOOR
- D15 REMOVE EXISTING CEILING AND ASSOCIATED DEVICES.

KEYPLAN



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ROOF DEMOLITION PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	HHL
DATE: 9/23/2022	CHECKED BY: -

DRAWING NUMBER:
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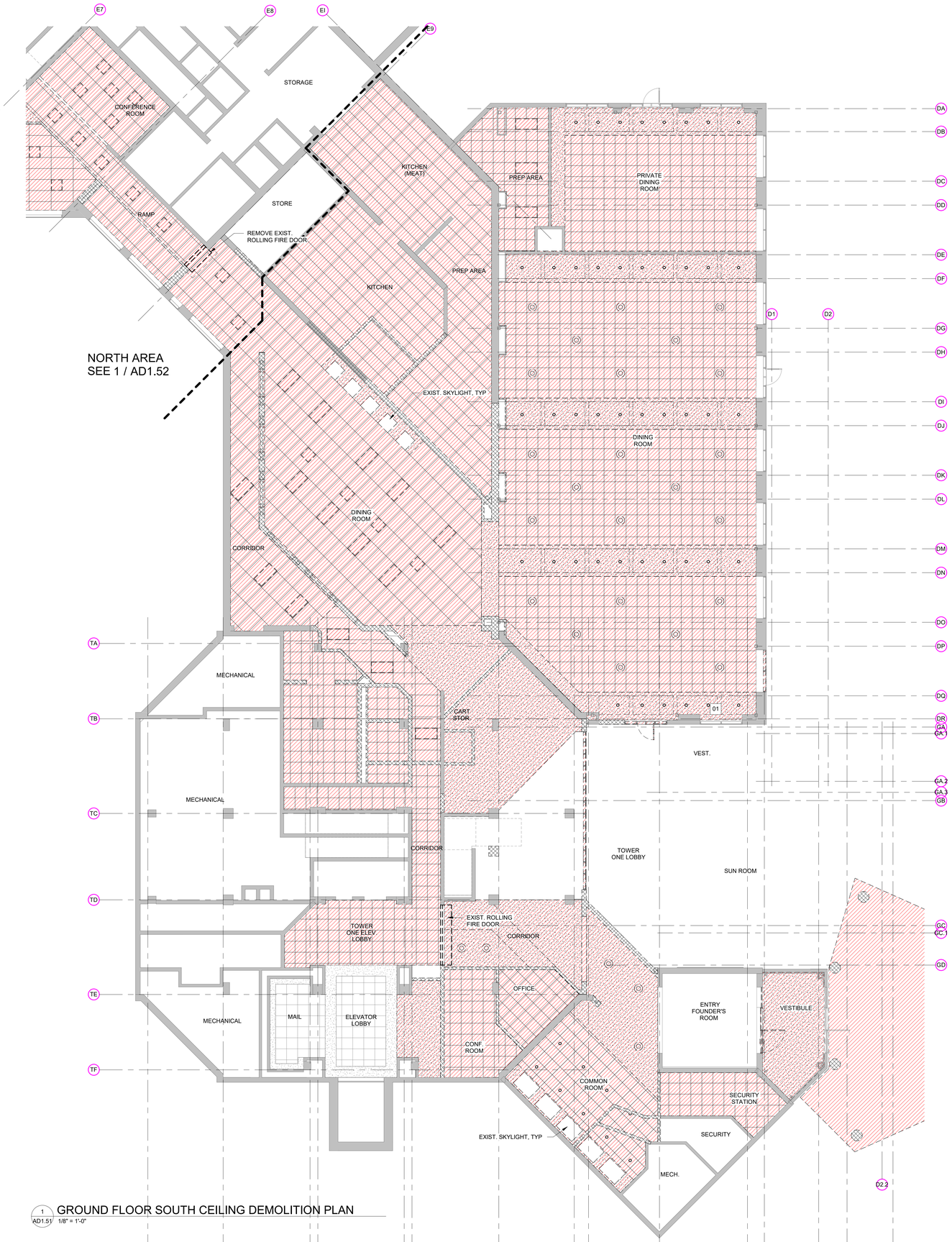

1 AD1.51 GROUND FLOOR SOUTH CEILING DEMOLITION PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

DEMOLITION CEILING LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- AREA OF CEILING WITH ASSOCIATED LIGHTINGS AND DEVICES TO BE DEMOLISHED

DEMOLITION KEYNOTES

- D01 DEMOLISH EXISTING WALL TO CREATE OPENING TO ACCOMMODATE NEW WORK.
- D02 DEMOLISH EXISTING SLAB
- D03 REMOVE EXISTING WINDOW/ GLAZING SYSTEM
- D04 REMOVE EXISTING PLUMBING FIXTURE
- D05 REMOVE EXISTING EXTERIOR WALL
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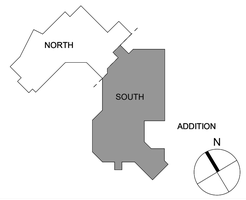
- D15 REMOVE EXISTING CEILING AND ASSOCIATED DEVICES.

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR SOUTH DEMOLITION REFLECTED CEILING PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**
DRAWING NUMBER:
AD1.51

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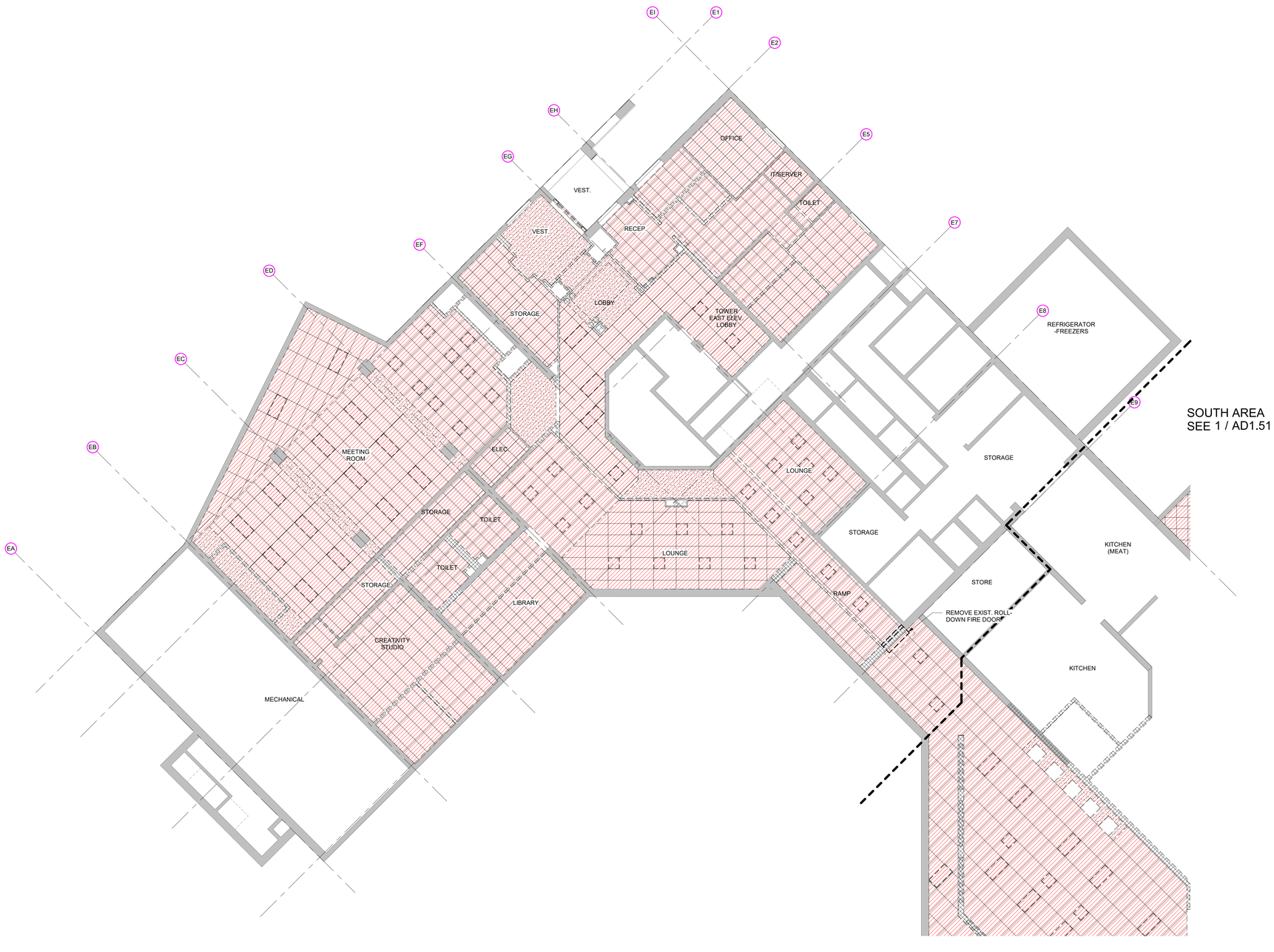


1 AD1.52 GROUND FLOOR NORTH CEILING DEMOLITION PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

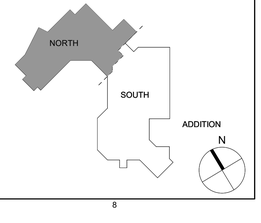
DEMOLITION CEILING LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- AREA OF CEILING WITH ASSOCIATED LIGHTINGS AND DEVICES TO BE DEMOLISHED

DEMOLITION KEYNOTES

- D01 DEMOLISH EXISTING WALL TO CREATE OPENING TO ACCOMMODATE NEW WORK.
- D02 DEMOLISH EXISTING SLAB
- D03 REMOVE EXISTING WINDOW/ GLAZING SYSTEM
- D04 REMOVE EXISTING PLUMBING FIXTURE
- D05 REMOVE EXISTING EXTERIOR WALL
- D06 REMOVE EXISTING RAILING
- D07 REMOVE EXISTING CASEWORK
- D08 REMOVE EXISTING ROOF ASSEMBLY
- D09 REMOVE EXISTING AUTOMATIC SLIDING DOOR
- D10 REMOVE EXISTING CANOPY, COLUMNS AND SUPPORTING STRUCTURE
- D11 REMOVE EXISTING DRINKING FOUNTAIN AND SAVE/ RESTORE FOR RE-INSTALL AT NEW LOCATION
- D12 CREATE OPENING FOR RELOCATE THE EXISTING DRINKING FOUNTAIN
- D13 REMOVE EXISTING CURTAIN WALL
- D14 REMOVE EXISTING ROLLING FIRE DOOR
- D15 REMOVE EXISTING CEILING AND ASSOCIATED DEVICES.

KEYPLAN



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CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR NORTH DEMOLITION REFLECTED CEILING PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	HHL
DATE: 9/23/2022	CHECKED BY: -

DRAWING NUMBER:
AD1.52

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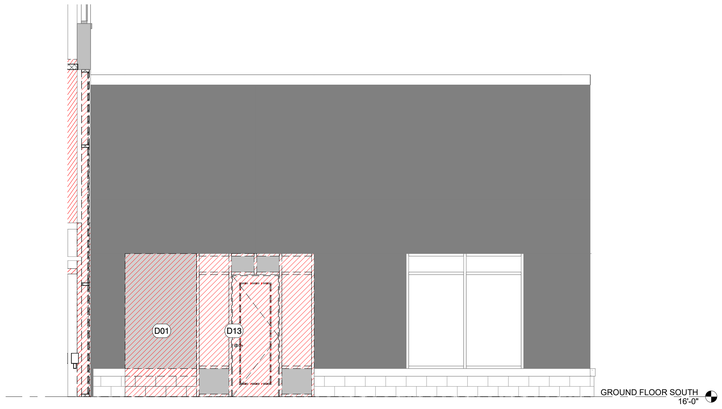
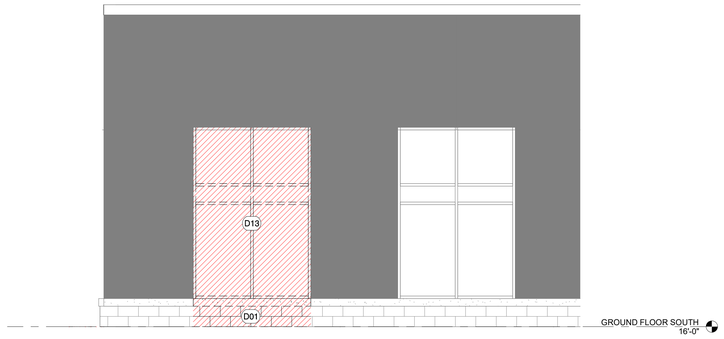
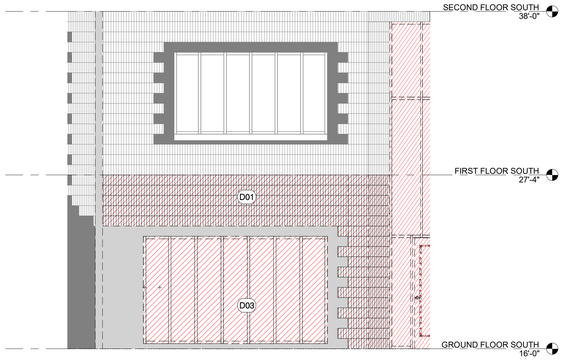


2 AD2.01 DEMOLITION ELEVATION 2
1/4" = 1'-0"



1 AD2.01 DEMOLITION ELEVATION 1
1/4" = 1'-0"



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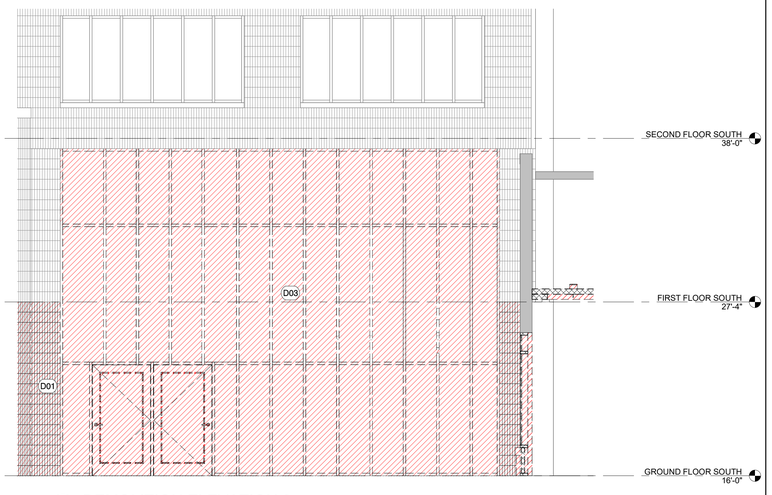
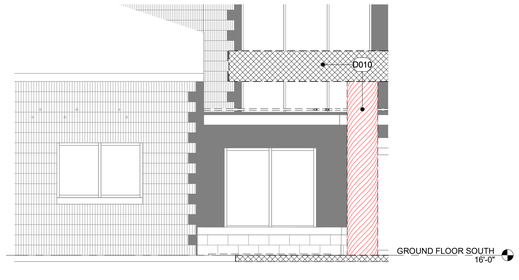
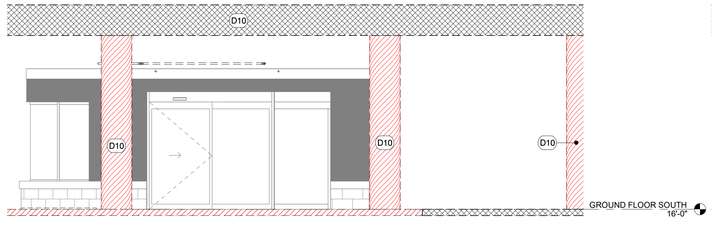
1/4" = 1'-0"



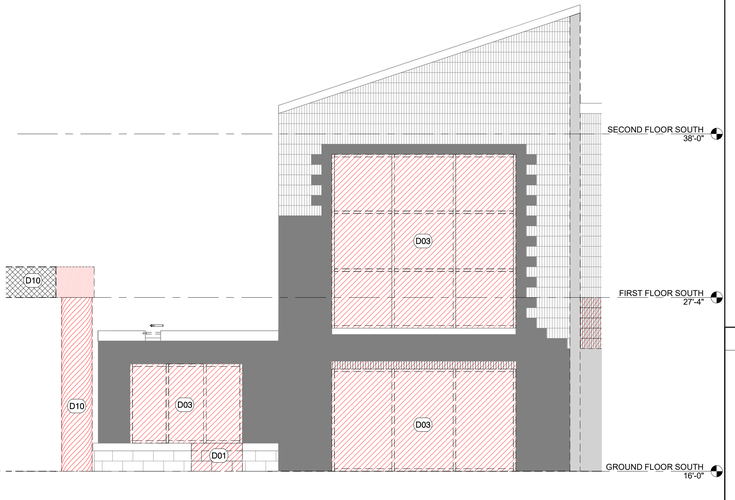
3 AD2.01 DEMOLITION ELEVATION 3
1/4" = 1'-0"



7 AD2.01 DEMOLITION ELEVATION 7
1/4" = 1'-0"



6 AD2.01 DEMOLITION ELEVATION 6
1/4" = 1'-0"



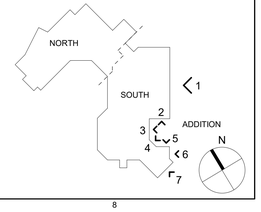
5 AD2.01 DEMOLITION ELEVATION 5
1/4" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

DEMOLITION KEYNOTES

- D01 DEMOLISH EXISTING WALL TO CREATE OPENING TO ACCOMMODATE NEW WORK.
- D02 DEMOLISH EXISTING SLAB
- D03 REMOVE EXISTING WINDOW/ GLAZING SYSTEM
- D04 REMOVE EXISTING PLUMBING FIXTURE
- D05 REMOVE EXISTING EXTERIOR WALL
- D06 REMOVE EXISTING RAILING
- D07 REMOVE EXISTING CASEWORK
- D08 REMOVE EXISTING ROOF ASSEMBLY
- D09 REMOVE EXISTING AUTOMATIC SLIDING DOOR
- D10 REMOVE EXISTING CANOPY, COLUMNS AND SUPPORTING STRUCTURE
- D11 REMOVE EXISTING DRINKING FOUNTAIN AND SAVE/ RESTORE FOR RE-INSTALL AT NEW LOCATION
- D12 CREATE OPENING FOR RELOCATE THE EXISTING DRINKING FOUNTAIN
- D13 REMOVE EXISTING CURTAIN WALL
- D14 REMOVE EXISTING ROLLING FIRE DOOR
- D15 REMOVE EXISTING CEILING AND ASSOCIATED DEVICES.

KEYPLAN



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NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
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PROJECT NUMBER:
20200157

DRAWING TITLE:
DEMOLITION ELEVATIONS

SCALE: **As indicated**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**
DRAWING NUMBER:
AD2.01

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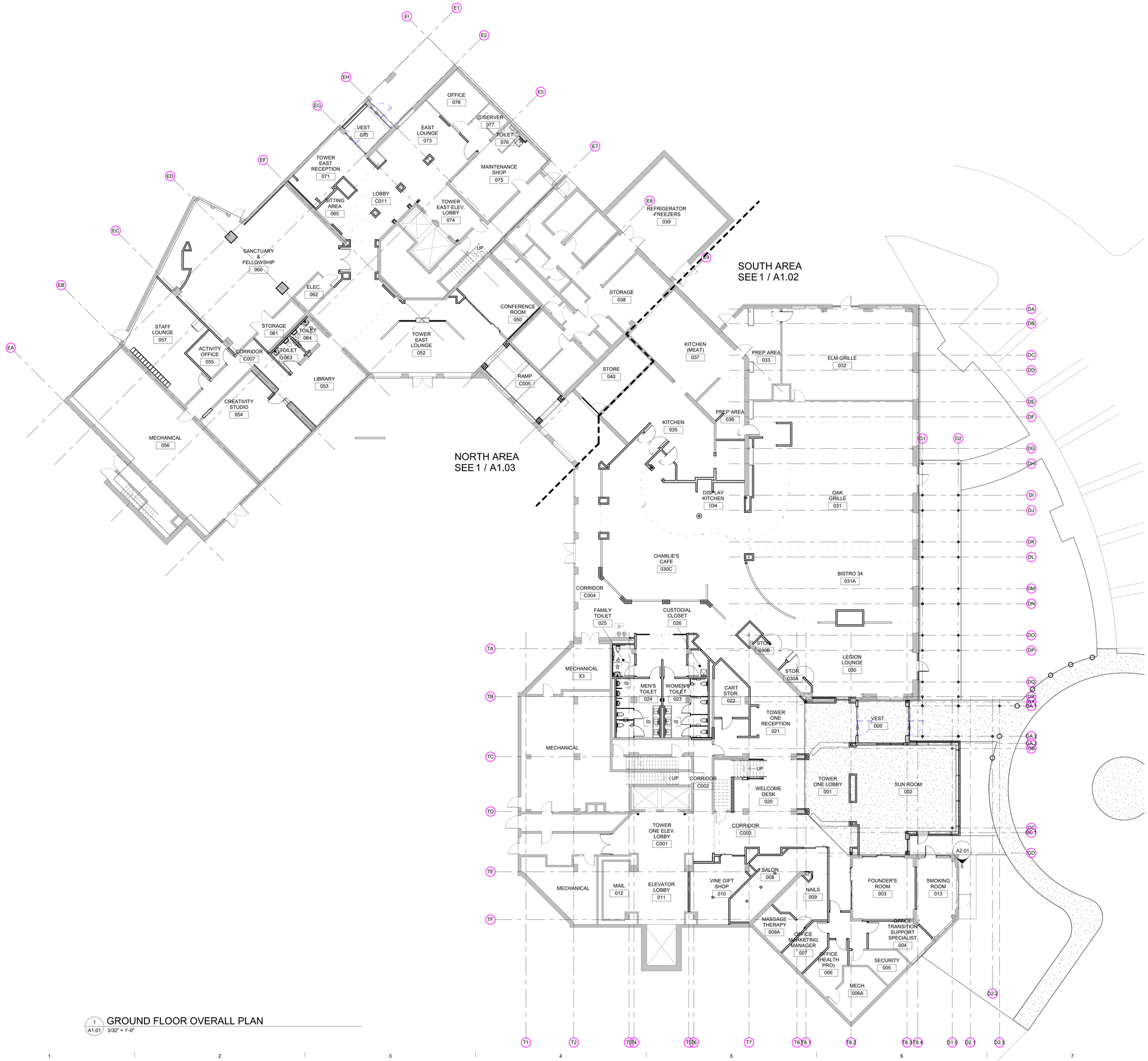


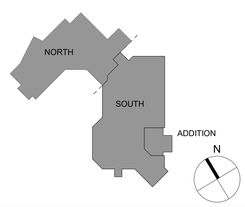
1 A1.01 GROUND FLOOR OVERALL PLAN
3/32" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

FLOOR PLAN LEGEND

- Room name 101 — ROOM NUMBER
- 101 — DOOR NUMBER (SEE DOOR SCHEDULE ON A6.00)
- Cxx — CURTAIN WALL TYPE (SEE A6.11)
- Sx — STOREFRONT TYPE (SEE A6.00)
- Fxx — INTERIOR FRAME TYPE (SEE A6.00)
- L1 — LOUVER TYPE (SEE A6.xx)
- M01 — MILLWORK TYPE (SEE A8.xx)
- EQ1 — EQUIPMENT TYPE (SEE A4.xx)
- A1 — PARTITION TYPE (SEE G2.01)
- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN
- NEW WALL CONSTRUCTION
- NEW DOOR (SEE DOOR SCHEDULE ON A6.00)
- FEC — FIRE EXTINGUISHER CABINET

KEYPLAN



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NO	DATE	DESCRIPTION
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PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
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PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR OVERALL PLAN

SCALE: **As indicated**
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DATE: **9/23/2022**
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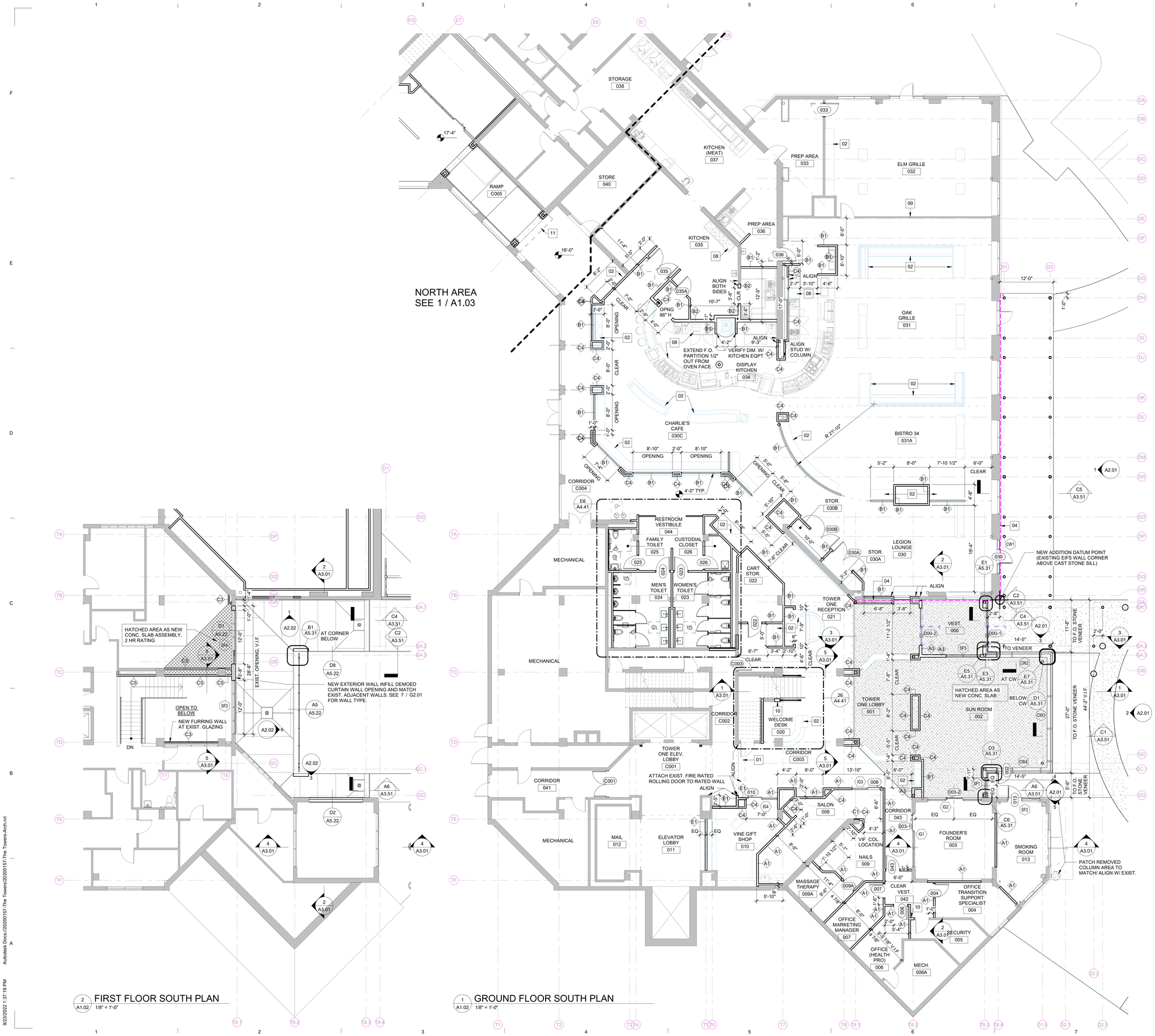


2 A1.02 FIRST FLOOR SOUTH PLAN
1/8" = 1'-0"

1 A1.02 GROUND FLOOR SOUTH PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

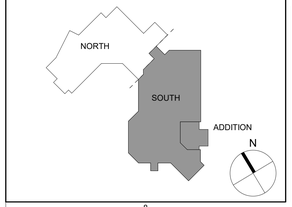
FLOOR PLAN LEGEND

- Room name / 101 — ROOM NUMBER
- 101 — DOOR NUMBER (SEE DOOR SCHEDULE ON A6.00)
- Cxx — CURTAIN WALL TYPE (SEE A6.11)
- Sx — STOREFRONT TYPE (SEE A6.00)
- Fxx — INTERIOR FRAME TYPE (SEE A6.00)
- L1 — LOUVER TYPE (SEE A6.xx)
- M01 — MILLWORK TYPE (SEE A8.xx)
- EQ1 — EQUIPMENT TYPE (SEE A4.xx)
- A1 — PARTITION TYPE (SEE G2.01)
- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN
- NEW WALL CONSTRUCTION
- NEW DOOR (SEE DOOR SCHEDULE ON A6.00)
- FEC — FIRE EXTINGUISHER CABINET

PLAN NOTES

#	Description
01	EXISTING ROLLING FIRE DOOR TO REMAIN
02	REFER TO INTERIOR DESIGN DRAWINGS FOR MILLWORK & FURNITURE
03	EXISTING 2" SEISMIC JOINT
04	2" SEISMIC JOINT, TYPICAL AT WALL, CEILING & ROOF. PROVIDE EXPANSION JOINT COVER AT EACH LOCATION AS SPECIFIED.
05	LOCKERS - REFER TO SPECIFICATIONS
06	REFRIGERATOR - REFER TO SPECIFICATIONS
07	UTILITY SINK - REFER TO PLUMBING DRAWINGS
08	REFER TO FOODSERVICE DRAWINGS FOR MILLWORK & EQUIPMENT
09	EXISTING OPERABLE PARTITION TO REMAIN
10	INFILL WALL CONSTRUCTION TO MATCH EXISTING
11	ROLLING FIRE DOOR, V.I.F. FOR DIMENSIONS - REFER TO SPECIFICATIONS

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION
1	-	

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND & FIRST FLOOR SOUTH PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**

DRAWING NUMBER:
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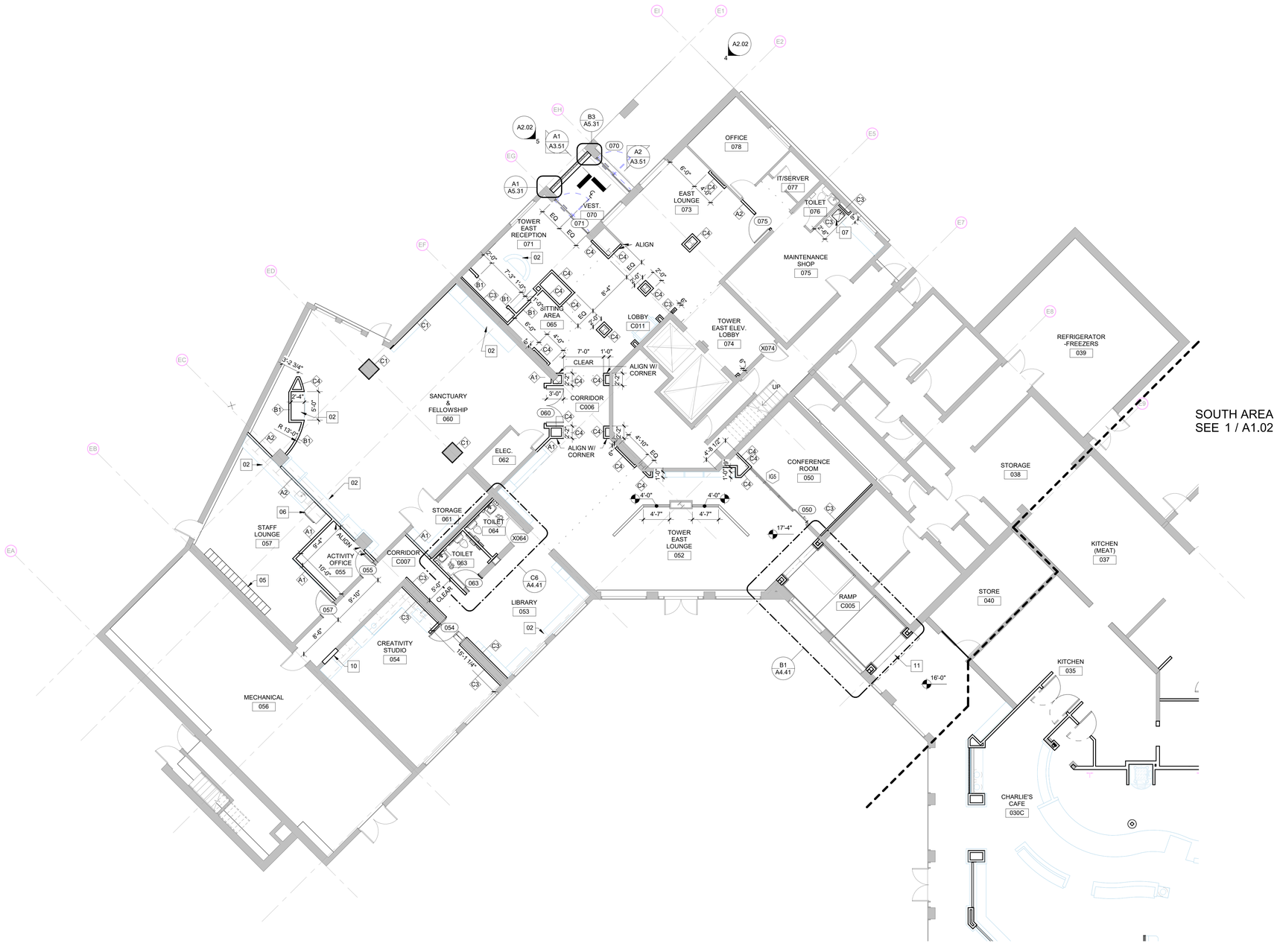


1 / A1.03 GROUND FLOOR NORTH PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

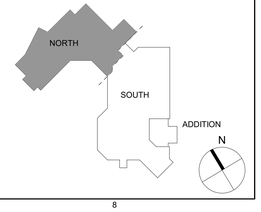
FLOOR PLAN LEGEND

Room name 101	ROOM NUMBER
101	DOOR NUMBER (SEE DOOR SCHEDULE ON A6.00)
Cxx	CURTAIN WALL TYPE (SEE A6.11)
Sx	STOREFRONT TYPE (SEE A6.00)
Fxx	INTERIOR FRAME TYPE (SEE A6.00)
L1	LOUVER TYPE (SEE A6.xx)
M01	MILLWORK TYPE (SEE A8.xx)
EQ1	EQUIPMENT TYPE (SEE A4.xx)
A1	PARTITION TYPE (SEE G2.01)
	EXISTING WALL TO REMAIN
	EXISTING DOOR TO REMAIN
	NEW WALL CONSTRUCTION
	NEW DOOR (SEE DOOR SCHEDULE ON A6.00)
FEC	FIRE EXTINGUISHER CABINET

PLAN NOTES

#	Description
01	EXISTING ROLLING FIRE DOOR TO REMAIN
02	REFER TO INTERIOR DESIGN DRAWINGS FOR MILLWORK & FURNITURE
03	EXISTING 2" SEISMIC JOINT
04	2" SEISMIC JOINT, TYPICAL AT WALL, CEILING & ROOF. PROVIDE EXPANSION JOINT COVER AT EACH LOCATION AS SPECIFIED.
05	LOCKERS - REFER TO SPECIFICATIONS
06	REFRIGERATOR - REFER TO SPECIFICATIONS
07	UTILITY SINK - REFER TO PLUMBING DRAWINGS
08	REFER TO FOODSERVICE DRAWINGS FOR MILLWORK & EQUIPMENT
09	EXISTING OPERABLE PARTITION TO REMAIN
10	INFILL WALL CONSTRUCTION TO MATCH EXISTING
11	ROLLING FIRE DOOR, V.I.F. FOR DIMENSIONS - REFER TO SPECIFICATIONS

KEYPLAN



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NO	DATE	DESCRIPTION
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PROJECT NAME:
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PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR NORTH PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
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DRAWING NUMBER:
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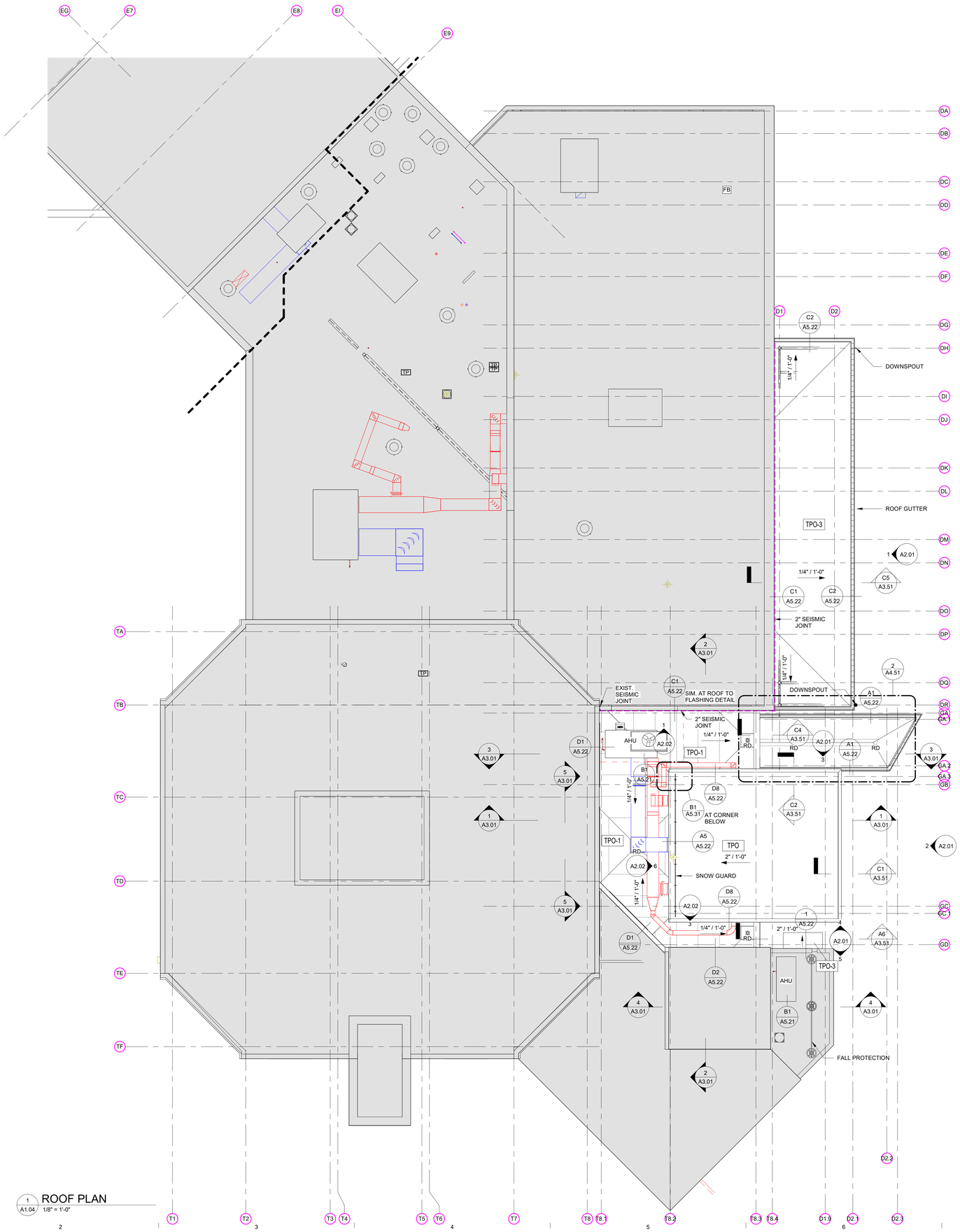


1 A1.04 ROOF PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

ROOF PLAN LEGEND

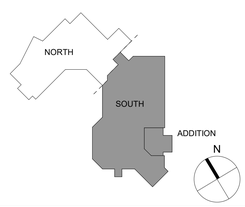
RD	ROOF DRAIN
VS	VENT STACK
EF	EXHAUST FAN
RTU	ROOF TOP MECH. UNIT
2" 3" 4"	HEIGHT OF TAPERED INSULATION ABOVE 5" BASE LAYER AND DIRECTION OF SLOPE
	PITCHED ROOF/ SLOPED STRUCTURE
	RIDGE VENT
	GUTTER AND DOWNSPOUT
ERD	EXISTING ROOF DRAIN TO REMAIN

TPO-1 TYPICAL TPO ROOF ASSEMBLY **W/ TAPERED INSULATION**
- .060" NON-REINFORCED TPO FULLY ADHERED
- 1/2" SILICONIZED GYPSUM BOARD ATTACHED TO THE STEEL DECK WITH MECHANICAL FASTENERS AND PLATES 1 PER 2 SQ. FT.
- SELF ADHERING VAPOR RETARDER
- ISOCYANURATE 1/4" PER 12" SLOPE. 2" MINIMUM INSULATION WITH 6" MINIMUM AVERAGE THICKNESS OVER ANY AREA.
- 1/2" SILICONIZED GYPSUM BOARD ATTACHED TO THE STEEL DECK WITH MECHANICAL FASTENERS AND PLATES 1 PER 4 SQ. FT.
- METAL ROOF DECK
- SEE DETAIL D7/A5.21

TPO-2 TYPICAL TPO ROOF ASSEMBLY **ON PITCHED STRUCTURE**
- .060" NON-REINFORCED TPO FULLY ADHERED
- 1/2" SILICONIZED GYPSUM BOARD ATTACHED TO THE STEEL DECK WITH MECHANICAL FASTENERS AND PLATES 1 PER 2 SQ. FT.
- SELF ADHERING VAPOR RETARDER
- ISOCYANURATE, 2" MINIMUM INSULATION WITH 6" MINIMUM AVERAGE THICKNESS OVER ANY AREA.
- 1/2" SILICONIZED GYPSUM BOARD ATTACHED TO THE STEEL DECK WITH MECHANICAL FASTENERS AND PLATES 1 PER 4 SQ. FT.
- SLOPED METAL ROOF DECK
- SEE DETAIL E7/A5.21

TPO-3 TYPICAL TPO ROOF ASSEMBLY **W/O INSULATION**
- .060" NON-REINFORCED TPO FULLY ADHERED
- 1/2" SILICONIZED GYPSUM BOARD ATTACHED TO THE STEEL DECK WITH MECHANICAL FASTENERS AND PLATES 1 PER 2 SQ. FT.
- SLOPED METAL ROOF DECK
- SEE DETAIL F7/A5.21

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ROOF PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	HHL
DATE: 9/23/2022	CHECKED BY: -

DRAWING NUMBER:
A1.04

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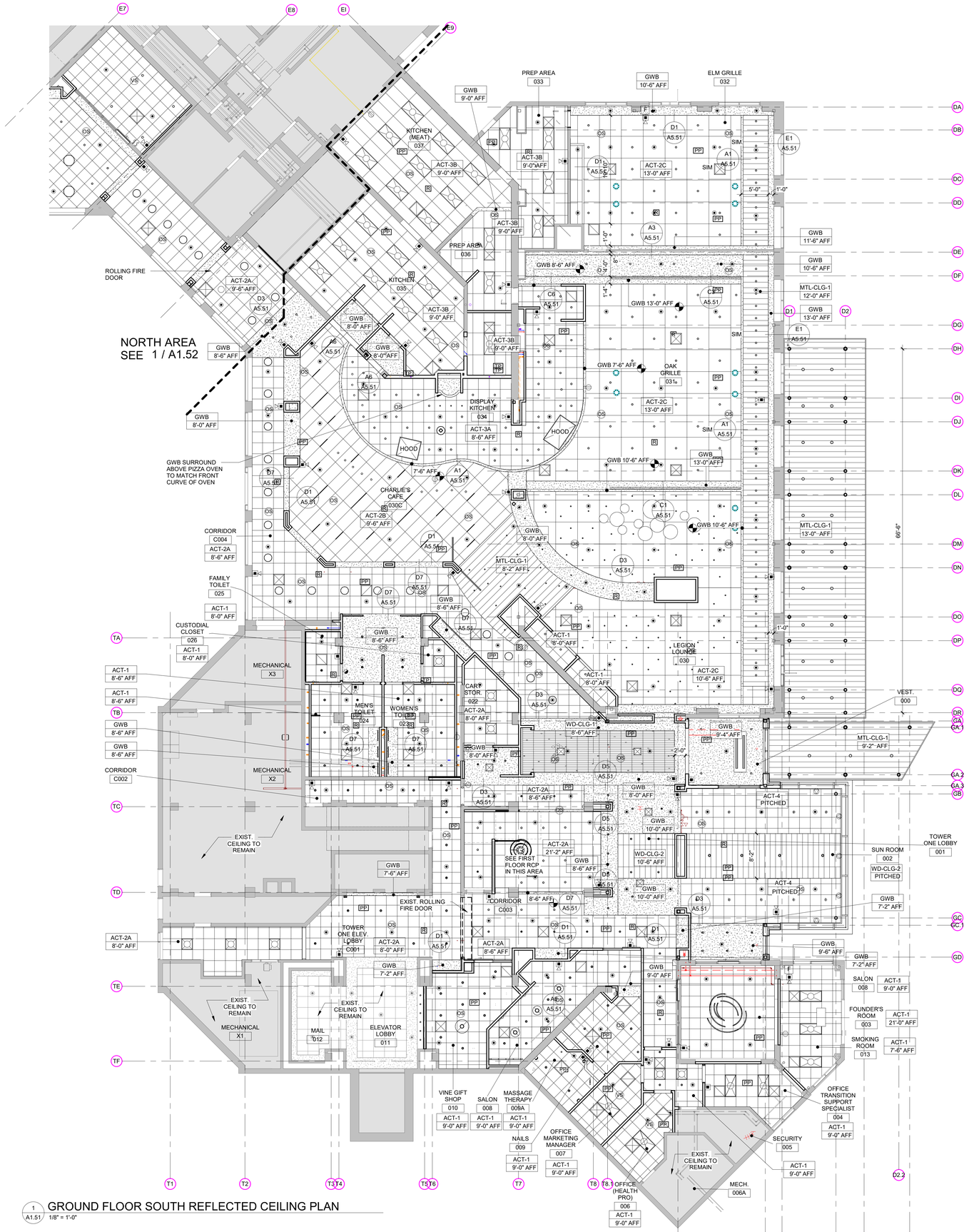


1 / A1.51 GROUND FLOOR SOUTH REFLECTED CEILING PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

CEILING PLAN LEGEND

- CONTRACT LIMIT LINE
- EXISTING WALL TO REMAIN
- NEW WALL CONSTRUCTION
- GWB / 7'-0" AFF — CEILING MATERIAL / CEILING HEIGHT AFF
- X / XXXX — CEILING DETAIL (SEE A5.51)
- 2' X ACOUSTICAL PANEL LAY-IN CEILING
- GYPSUM BOARD CEILING, PTD
- E.J — CEILNG EXPANSION JOINT
- R.S — ROLLER SHADE
- SPRINKLER HEAD (SEE MEP DWGS)
- SPRINKLER HEAD, SIDEWALL (SEE MEP DWGS)
- LIGHT FIXTURE SYMBOL
- X — LIGHT FIXTURE I.D. TAG. REFER TO LIGHT FIXTURE SCHEDULE FOR DETAILS.
- EXIT SIGN, CEILING-MOUNTED
- EXIT SIGN, WALL-MOUNTED
- SMOKE DETECTOR
- CAMERA
- SUPPLY / RETURN DIFFUSER (SEE MEP DWGS)
- FIRE STROBE
- SPEAKER
- CEILING FAN

NOTE: ALL MEP & FP ITEMS SHOWN ON THE REFLECTED CEILING PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO THE MEP & FP DWGS FOR EXACT QUANTITIES AND SIZES.

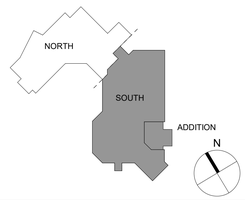
CONTRACTOR TO IDENTIFY PATHS OF WIRING & SPRINKLER PIPING. COORDINATE WITH STRUCTURAL STEEL TO IDENTIFY PENETRATIONS IN STEEL FRAMING. IDENTIFY PENENTRATIONS IN SHOP DRAWINGS.

SEE ELECTRICAL LIGHTING PLAN FOR THE LIGHTING INFORMATION

CEILING TYPES

GWB	GYPSUM WALL BOARD CEILING
ACT-1	2' X 2' ACOUSTICAL CEILING PANEL
ACT-2	2' X 4' ACOUSTICAL CEILING PANEL
ACT-3	2' X 6' ACOUSTICAL CEILING PANEL
AL-1	EXTERIOR ALUMINUM SOFFIT
WD-1	WOOD VENEER SLATS
WD-2	WOOD BAFFLES
WD-3	WOOD GRID

KEYPLAN



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NO	DATE	DESCRIPTION
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PROJECT NAME:
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PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR SOUTH REFLECTED CEILING PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**
DRAWING NUMBER:
A1.51

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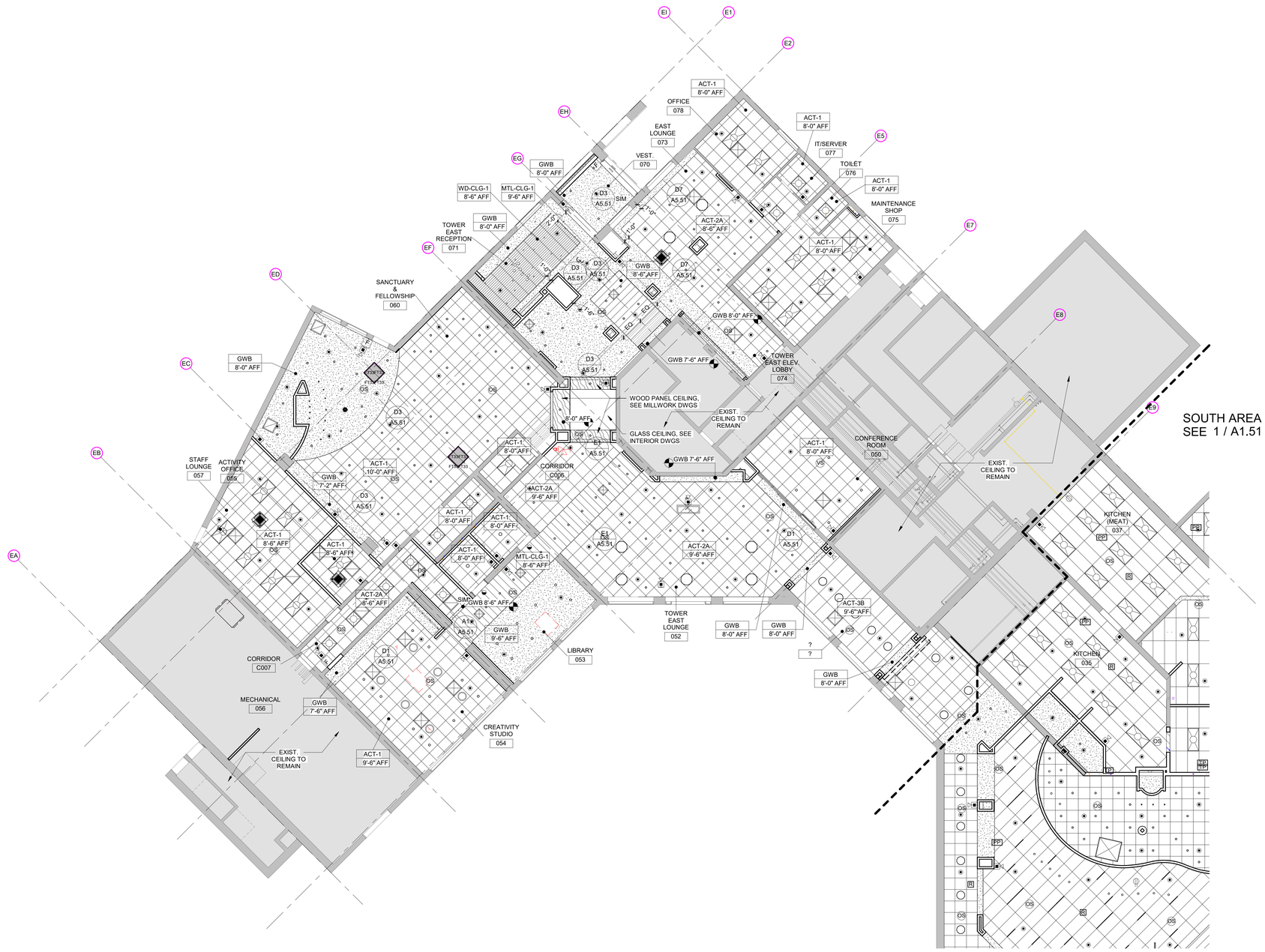

1 / A1.52 GROUND FLOOR NORTH REFLECTED CEILING PLAN
1/8" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

CEILING PLAN LEGEND

- CONTRACT LIMIT LINE
- EXISTING WALL TO REMAIN
- NEW WALL CONSTRUCTION
- GWB / 7'-0" AFF — CEILING MATERIAL / CEILING HEIGHT AFF
- X / XXXX — CEILING DETAIL (SEE A5.51)
- 2' X ACOUSTICAL PANEL LAY-IN CEILING
- GYPSUM BOARD CEILING, PTD
- E.J — CEILNG EXPANSION JOINT
- R.S — ROLLER SHADE
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- SPRINKLER HEAD, SIDEWALL (SEE MEP DWGS)
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- EXIT SIGN, CEILING-MOUNTED
- EXIT SIGN, WALL-MOUNTED
- SMOKE DETECTOR
- CAMERA
- SUPPLY / RETURN DIFFUSER (SEE MEP DWGS)
- F — FIRE STROBE
- S — SPEAKER
- CEILING FAN

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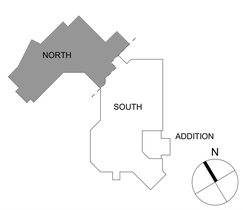
CONTRACTOR TO IDENTIFY PATHS OF WIRING & SPRINKLER PIPING. COORDINATE WITH STRUCTURAL STEEL TO IDENTIFY PENETRATIONS IN STEEL FRAMING. IDENTIFY PENENTRATIONS IN SHOP DRAWINGS.

SEE ELECTRICAL LIGHTING PLAN FOR THE LIGHTING INFORMATION

CEILING TYPES

GWB	GYPSUM WALL BOARD CEILING
ACT-1	2' X 2' ACOUSTICAL CEILING PANEL
ACT-2	2' X 4' ACOUSTICAL CEILING PANEL
ACT-3	2' X 6' ACOUSTICAL CEILING PANEL
AL-1	EXTERIOR ALUMINUM SOFFIT
WD-1	WOOD VENEER SLATS
WD-2	WOOD BAFFLES
WD-3	WOOD GRID

KEYPLAN



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NO	DATE	DESCRIPTION
1	-	

PROJECT NAME:
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PROJECT ADDRESS:
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NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR NORTH REFLECTED CEILING PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**

DRAWING NUMBER:
A1.52

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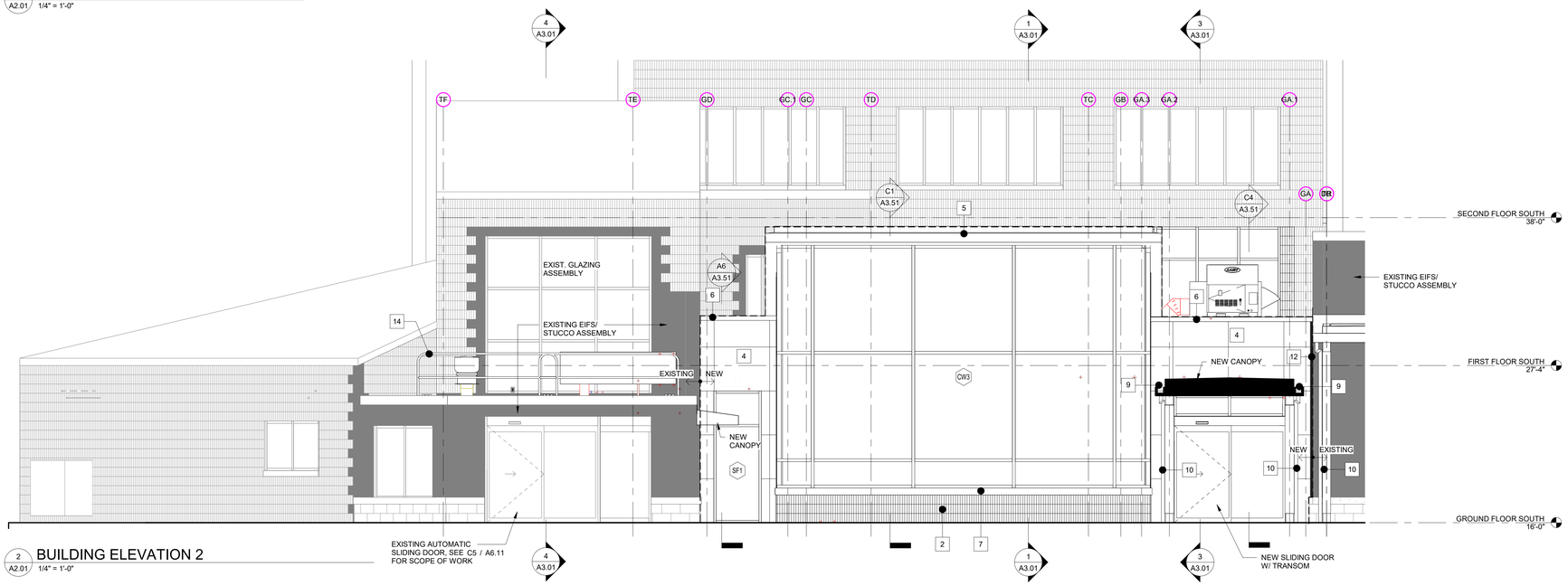
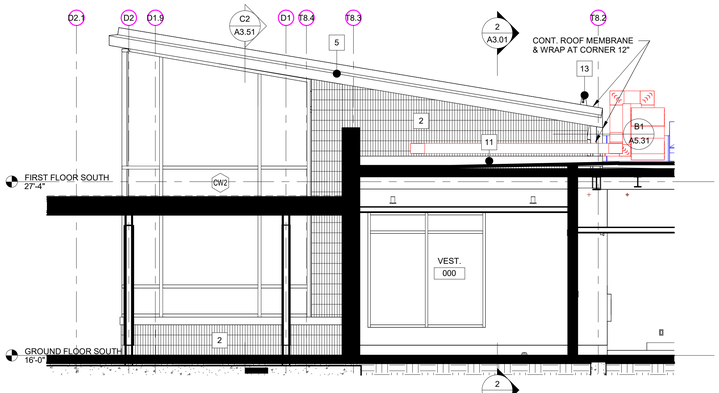
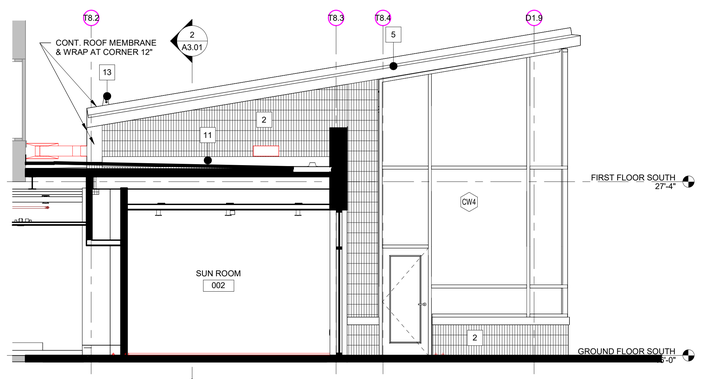
1 A2.01 BUILDING ELEVATION 1
1/4" = 1'-0"



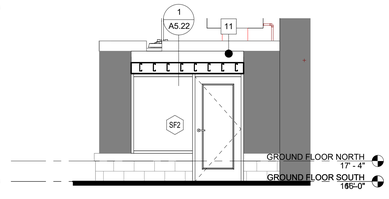
2 A2.01 BUILDING ELEVATION 2
1/4" = 1'-0"



3 A2.01 BUILDING ELEVATION 3
1/4" = 1'-0"



4 A2.01 BUILDING ELEVATION 4
1/4" = 1'-0"



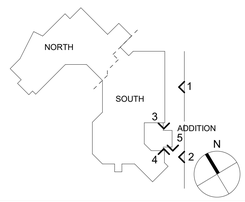
5 A2.01 BUILDING ELEVATION 11
1/4" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

BUILDING ELEVATION LEGEND

- EXISTING SPLIT FLUTED CONCRETE BLOCK VENEER
- EXISTING 8X16 SPLIT FACE CONCRETE BLOCK VENEER
- EXISTING 8X8 MASONRY VENEER
- EXISTING EIFS/ STUCCO ASSEMBLY
- 1 CALCIUM SILICATE STONE VENEER
- 2 SPLIT FLUTED CONCRETE BLOCK VENEER (MATCH EXISTING)
- 3 EIFS/ STUCCO ASSEMBLY
- 4 COMPOSITE ALUM. PANEL
- 5 SHEET METAL FASCIA & SOFFIT
- 6 ALUM. COPING
- 7 CAST STONE SILL. SEE C1 / A5.11 FOR TYPE
- 8 SINGLE PLY MEMBRANE ROOFING (TPO)
- 9 SHEET METAL BUILT-IN GUTTER
- 10 DOWNSPOUT
- 11 METAL COUNTERFLASHING
- 12 2" SEISMIC JOINT
- 13 SNOW GUARD
- 14 FALL PROTECTION RAILING
- CJ CONTROL JOINT
- CWx CURTAIN WALL TYPE, SEE DWG A6.11 FOR TYPE SCHEDULE
- SFx STOREFRONT TYPE, SEE DWG A6.11 FOR TYPE SCHEDULE

KEYPLAN



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PROJECT NUMBER:
20200157

DRAWING TITLE:
EXTERIOR ELEVATIONS

SCALE: **As indicated**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**
DRAWING NUMBER:
A2.01

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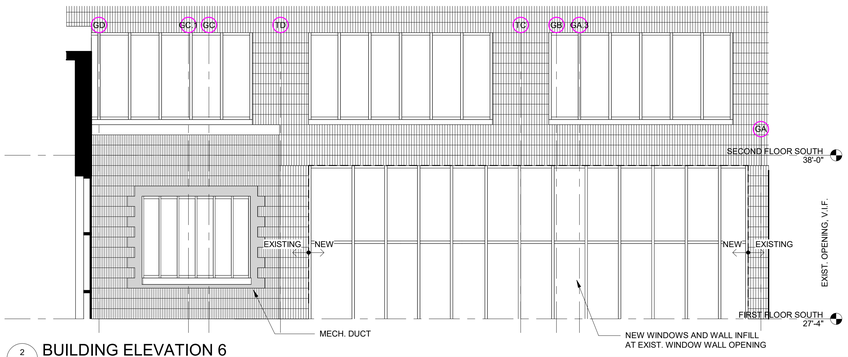
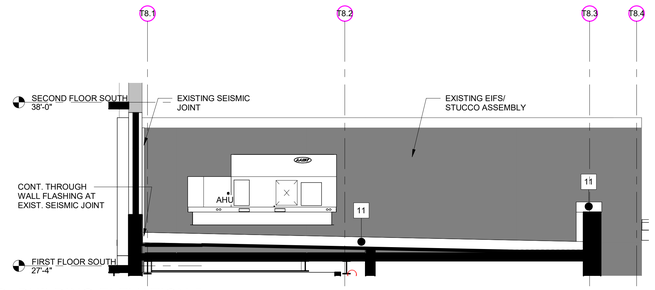
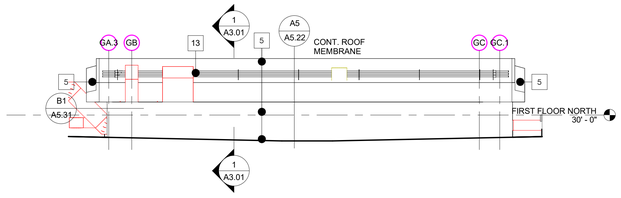


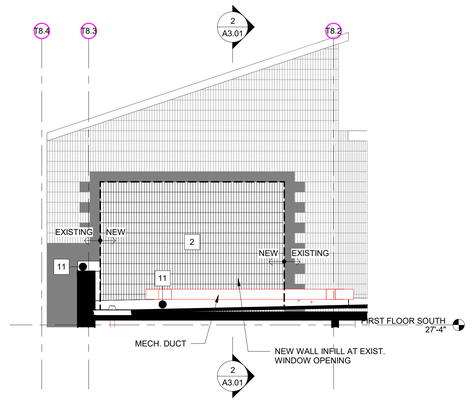
2 A2.02 BUILDING ELEVATION 6
1/4" = 1'-0"



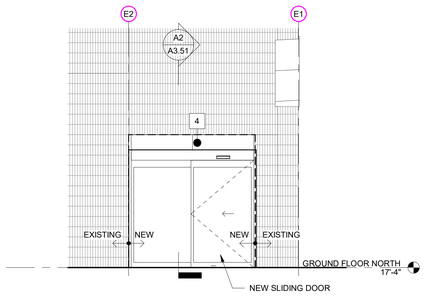
1 A2.02 BUILDING ELEVATION 5
1/4" = 1'-0"



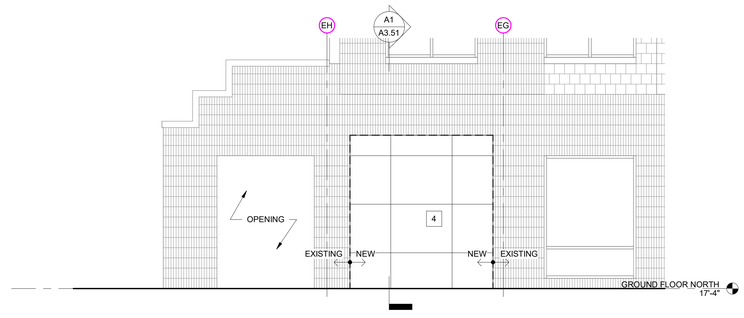
6 A2.02 BUILDING ELEVATION 10
1/4" = 1'-0"



3 A2.02 BUILDING ELEVATION 7
1/4" = 1'-0"



4 A2.02 BUILDING ELEVATION 8
1/4" = 1'-0"



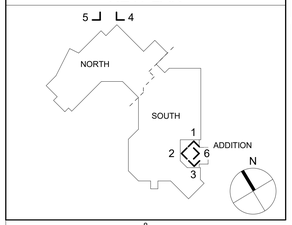
5 A2.02 BUILDING ELEVATION 9
1/4" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

BUILDING ELEVATION LEGEND

- EXISTING SPLIT FLUTED CONCRETE BLOCK VENEER
- EXISTING 8X16 SPLIT FACE CONCRETE BLOCK VENEER
- EXISTING 8X8 MASONRY VENEER
- EXISTING EIFS/ STUCCO ASSEMBLY
- 1 CALCIUM SILICATE STONE VENEER
- 2 SPLIT FLUTED CONCRETE BLOCK VENEER (MATCH EXISTING)
- 3 EIFS/ STUCCO ASSEMBLY
- 4 COMPOSITE ALUM. PANEL
- 5 SHEET METAL FASCIA & SOFFIT
- 6 ALUM. COPING
- 7 CAST STONE SILL. SEE C1 / A5.11 FOR TYPE
- 8 SINGLE PLY MEMBRANE ROOFING (TPO)
- 9 SHEET METAL BUILT-IN GUTTER
- 10 DOWNSPOUT
- 11 METAL COUNTERFLASHING
- 12 2" SEISMIC JOINT
- 13 SNOW GUARD
- 14 FALL PROTECTION RAILING
- CJ CONTROL JOINT
- CWx CURTAIN WALL TYPE, SEE DWG A6.11 FOR TYPE SCHEDULE
- SFx STOREFRONT TYPE, SEE DWG A6.11 FOR TYPE SCHEDULE

KEYPLAN



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DRAWING NUMBER:
A2.02

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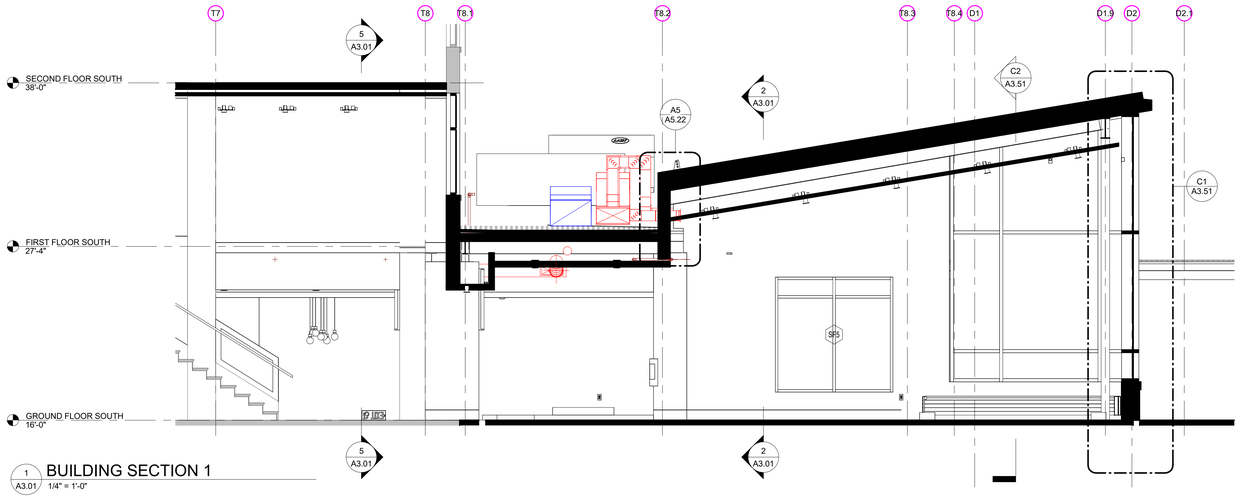

1 A3.01 BUILDING SECTION 1
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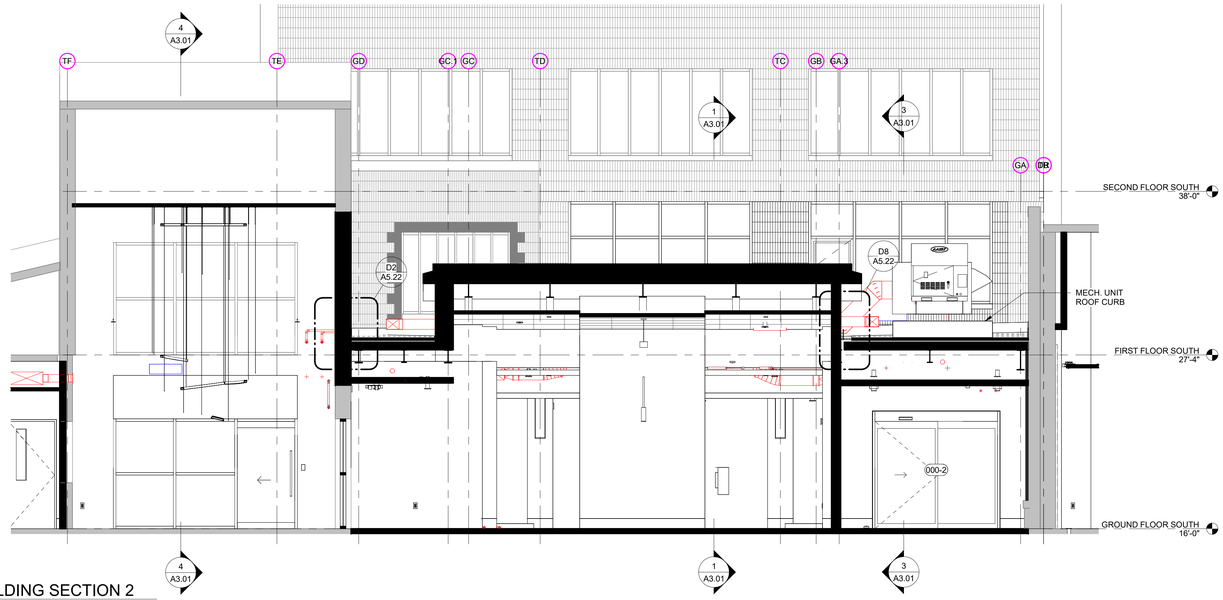

2 A3.01 BUILDING SECTION 2
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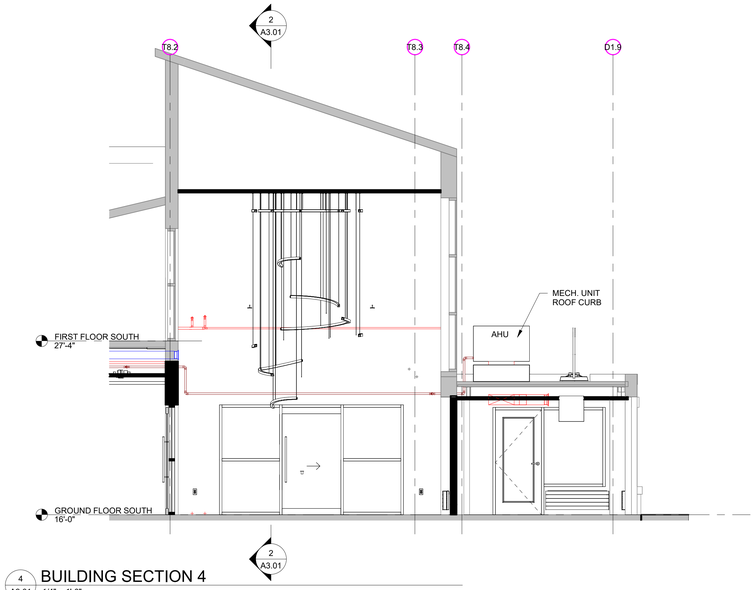

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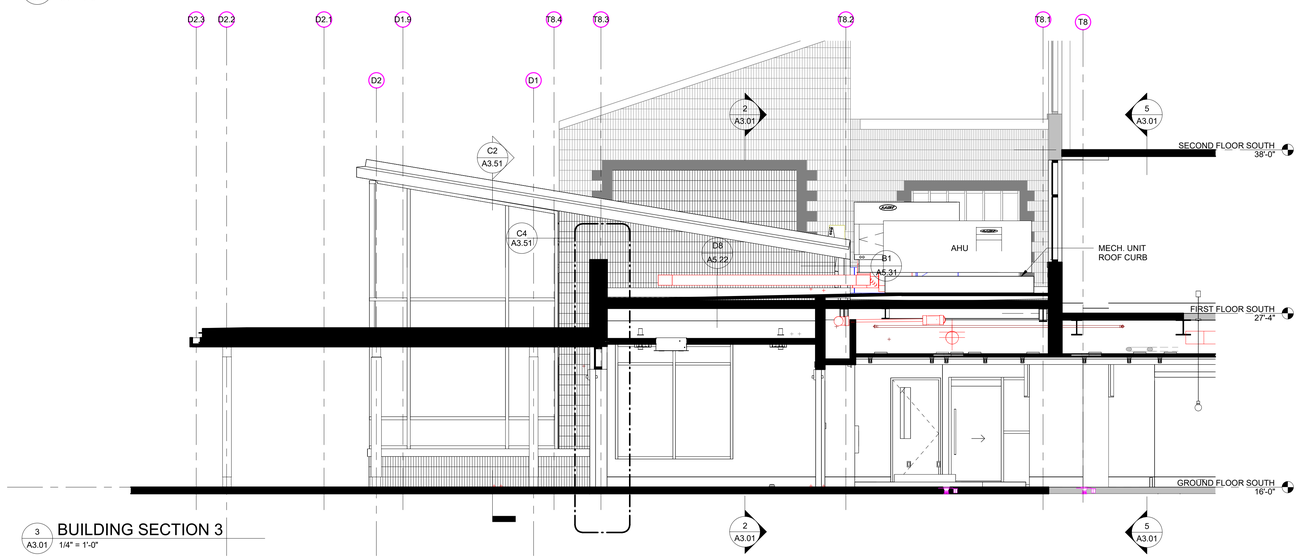

3 A3.01 BUILDING SECTION 3
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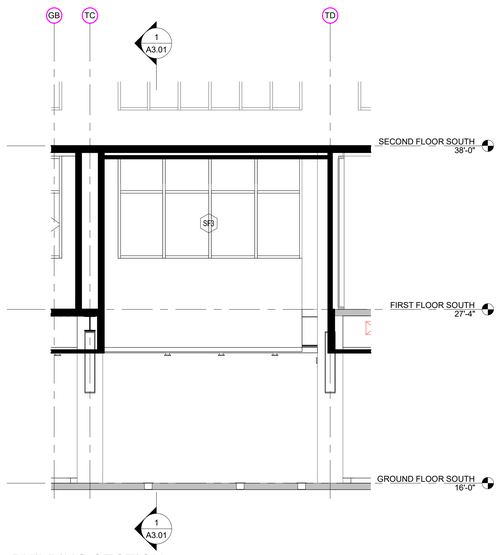

5 A3.01 BUILDING SECTION 5
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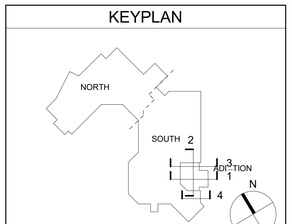
KEYPLAN



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CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
BUILDING SECTIONS

SCALE: **1/4" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**
DRAWING NUMBER:
A3.01

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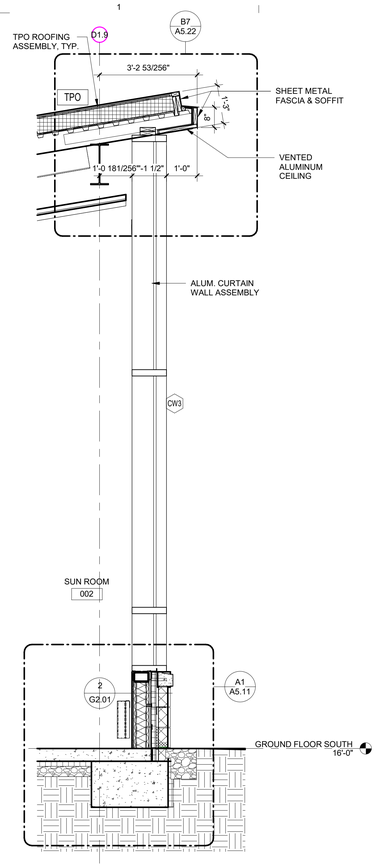

C1 A3.51 WALL SECTION 4
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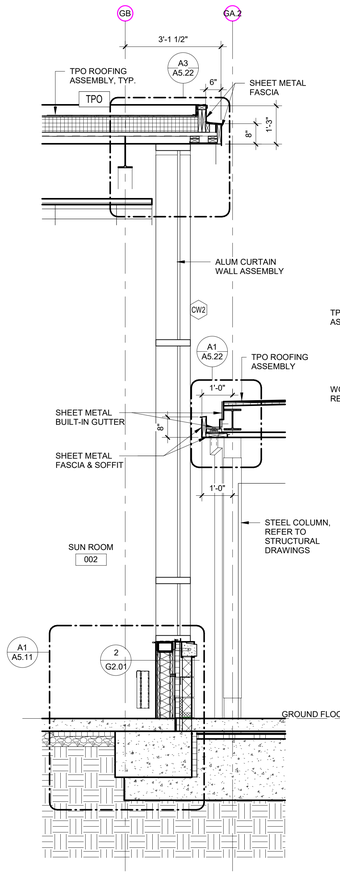

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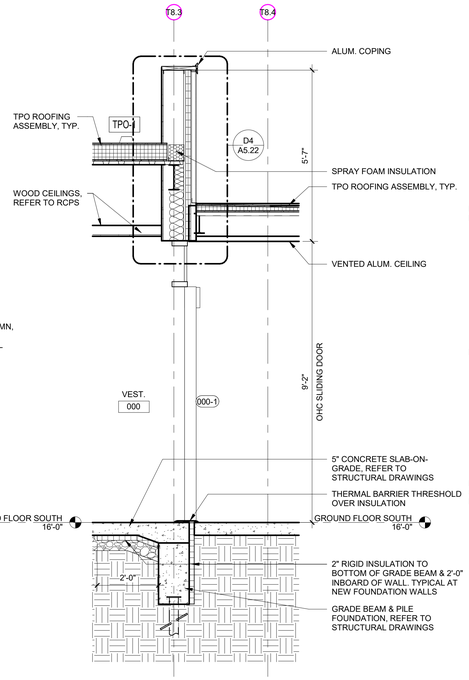

C4 A3.51 WALL SECTION 2
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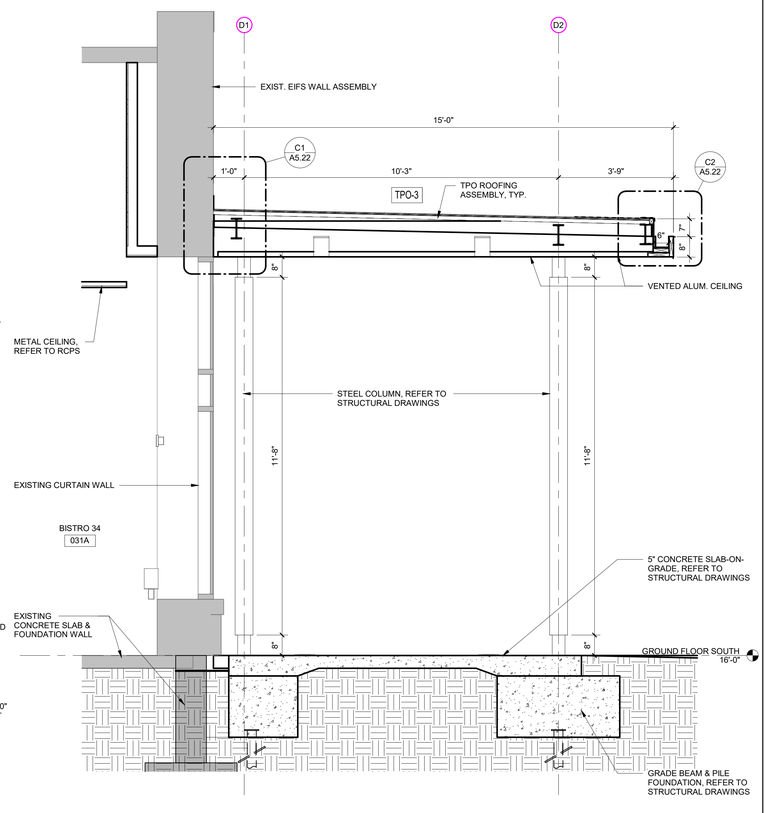

C5 A3.51 WALL SECTION 1
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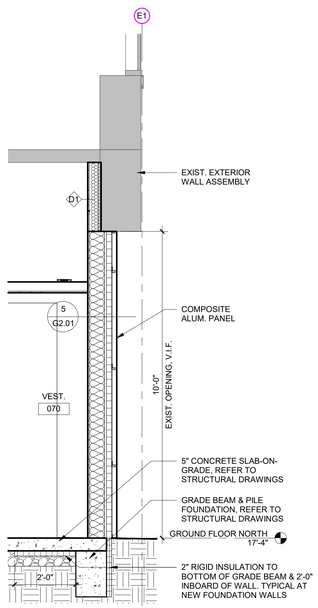

A1 A3.51 WALL SECTION 10
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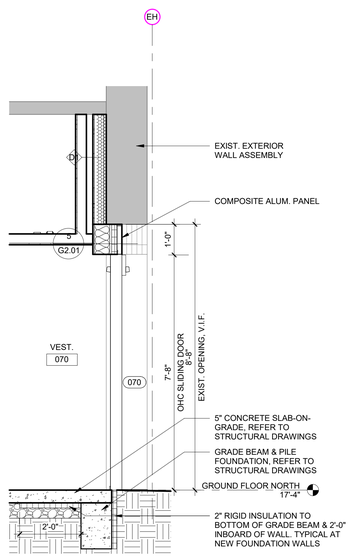

A2 A3.51 WALL SECTION 9
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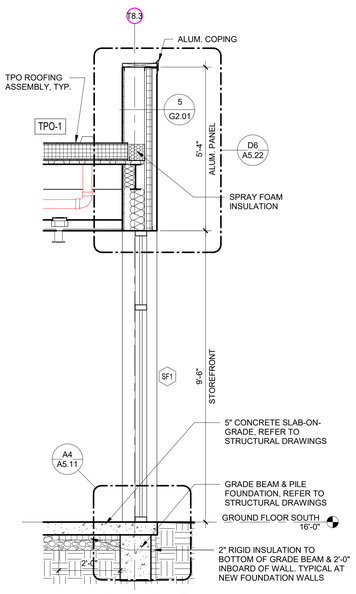
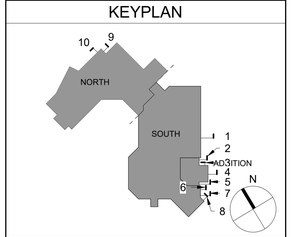


A6 A3.51 WALL SECTION 5
1/2" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

KEYPLAN



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THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
EXTERIOR WALL SECTIONS

SCALE: **1/2" = 1'-0"**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**

DRAWING NUMBER:
A3.51

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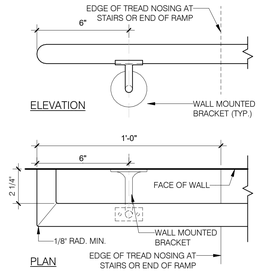
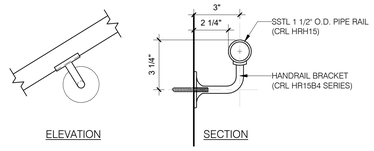
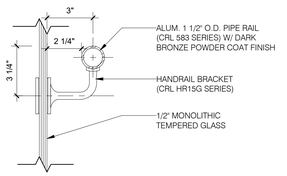


F1 A4.41 HANDRAIL END DETAIL
3" = 1'-0"



F2 A4.41 WALL MOUNTED BRACKET DETAILS
3" = 1'-0"



E1 A4.41 GLASS MOUNTED BRACKET DETAILS
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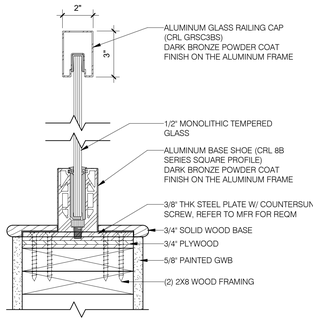
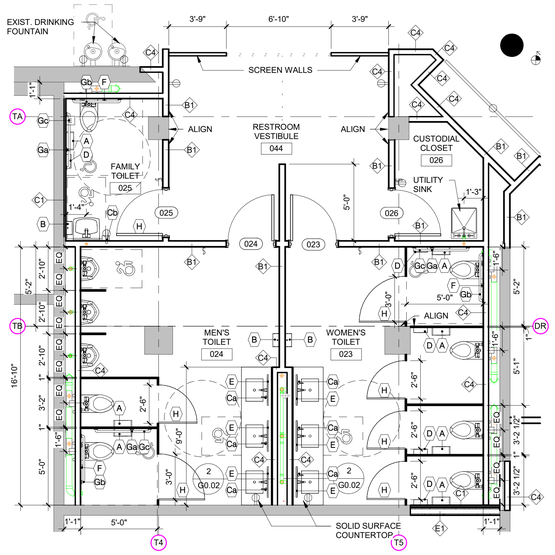
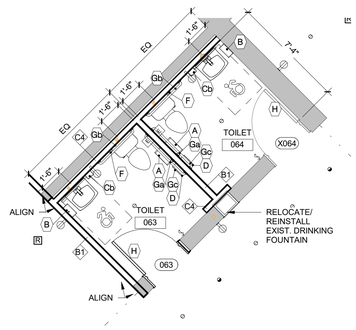


E2 A4.41 GLASS RAILING DETAIL
3" = 1'-0"



E6 A4.41 TOILET 023 024 PLAN
1/4" = 1'-0"



C6 A4.41 TOILET 063 064 PLAN
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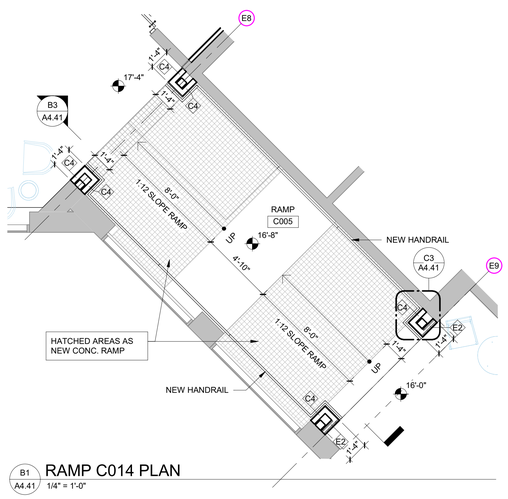
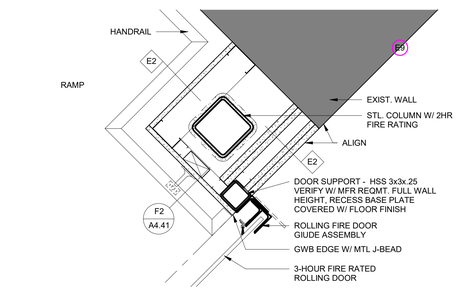
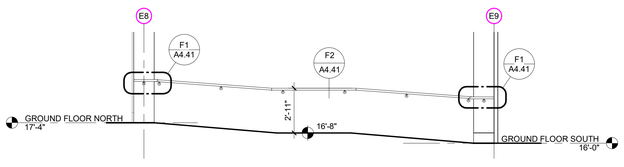


B1 A4.41 RAMP C014 PLAN
1/4" = 1'-0"



C3 A4.41 FIRE SHUTTER DETAIL
1 1/2" = 1'-0"



B3 A4.41 RAMP SECTION
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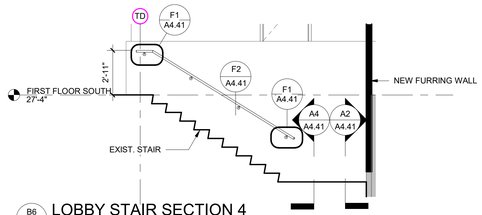

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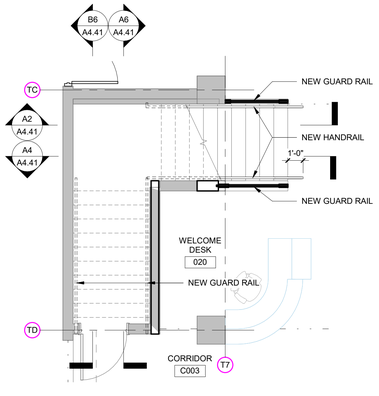
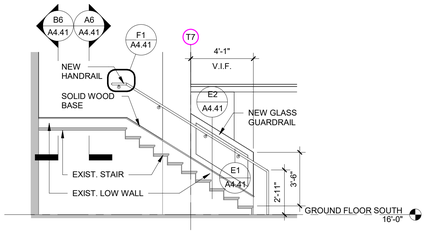


26 A4.41 LOBBY STAIR ENLARGED PLAN
1/4" = 1'-0"



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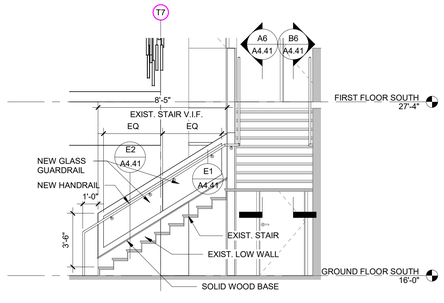

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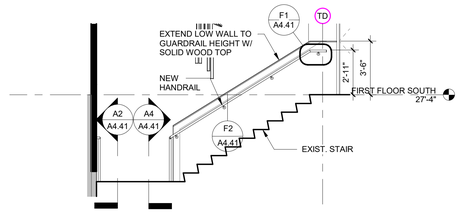
1/4" = 1'-0"



A6 A4.41 LOBBY STAIR SECTION 3
1/4" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

FLOOR PLAN LEGEND

- Room name / 101 — ROOM NUMBER
- 101 — DOOR NUMBER (SEE DOOR SCHEDULE ON A6.00)
- Cxx — CURTAIN WALL TYPE (SEE A6.11)
- Sx — STOREFRONT TYPE (SEE A6.00)
- Fxx — INTERIOR FRAME TYPE (SEE A6.00)
- L1 — LOUVER TYPE (SEE A6.xx)
- M01 — MILLWORK TYPE (SEE A8.xx)
- EQ1 — EQUIPMENT TYPE (SEE A4.xx)
- A1 — PARTITION TYPE (SEE G2.01)
- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN
- NEW WALL CONSTRUCTION
- NEW DOOR (SEE DOOR SCHEDULE ON A6.00)
- FEC — FIRE EXTINGUISHER CABINET

TOILET ROOM GENERAL NOTES:

1. PROVIDE SURFACE PREPARATION ON ALL SUBSTRATES AS REQUIRED TO ASSURE CONSISTENT FINISH.
2. SEE FINISH SCHEDULE FOR WALL FINISH LOCATIONS.
3. CLEAR DIMENSIONS ARE TO FACE OF FINISH U.N.O.
4. PROVIDE SILICONE SEALANT TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS.
5. ALL GROUT AND SEALANT TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS.
6. PITCH CONCRETE FLOORS TO DRAIN 1/8"/FT. COORDINATE WITH PLUMBING CONTRACTOR.
7. PROVIDE WATERPROOF MEMBRANE BETWEEN CONC. SLAB AND THIN SET MORTAR IN ALL BATHROOMS. EXTEND WATERPROOF MEMBRANCE AT LEAST 8" UP WALL.

TOILET ACCESSORY GENERAL NOTES:

1. FIELD VERIFY MIRROR LOCATIONS FOR FIT. CENTER MIRROR ON SINK, TYPICAL.
2. PROVIDE BRONZE COLOR FOR ALL STAINLESS STEEL ITEMS.
3. PROVIDE BLOCKING AS REQUIRED FOR ALL ACCESSORIES.
4. SEE G0.02 FOR TYPICAL MOUNTING HEIGHTS OF TOILET ACCESSORIES.

TOILET ACCESSORY LEGEND:

- A — TOILET TISSUE DISPENSER, 1 PER STALL/ TOILET ROOM (CASCADES PRO TANDEM X2)
- B — PAPER TOWEL DISPENSER 1 PER TOILET ROOM (CASCADES PRO TANDEM)
- Ca — SOAP DISPENSER - COUNTER MOUNTED, 1 PER SINK/ TOILET ROOM (SLOAN ESD-2000-CP)
- Cb — SOAP DISPENSER - WALL MOUNTED, 1 PER SINK/ TOILET ROOM (GOJO LTX-12)
- D — SANITARY NAPKIN DISPOSAL, 1 PER STALL/ TOILET ROOM (BRADLEY 4722-15)
- E — SURFACE MOUNTED MIRROR W/ LIGHTING. SEE LIGHT FIXTURE SCHEDULE
- F — CALL-FOR-AID DEVICE
- Ga — 18" GRAB BAR, SEE PLAN/ ELEVATIONS FOR LOCATION (CSI BATHWARE W/ BRONZE FINISH)
- Gb — 36" GRAB BAR, SEE PLAN/ ELEVATIONSFOR LOCATION (CSI BATHWARE W/ BRONZE FINISH)
- Gc — 42" GRAB BAR, SEE PLAN/ ELEVATIONS FOR THE LOCATION (CSI BATHWARE W/ BRONZE FINISH)
- H — SINGLE HOOK, 1 PER STALL/ TOILET ROOM

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18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ENLARGED PLANS & INTERIOR ELEVATIONS

SCALE: **As indicated**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**

DRAWING NUMBER:
A4.41

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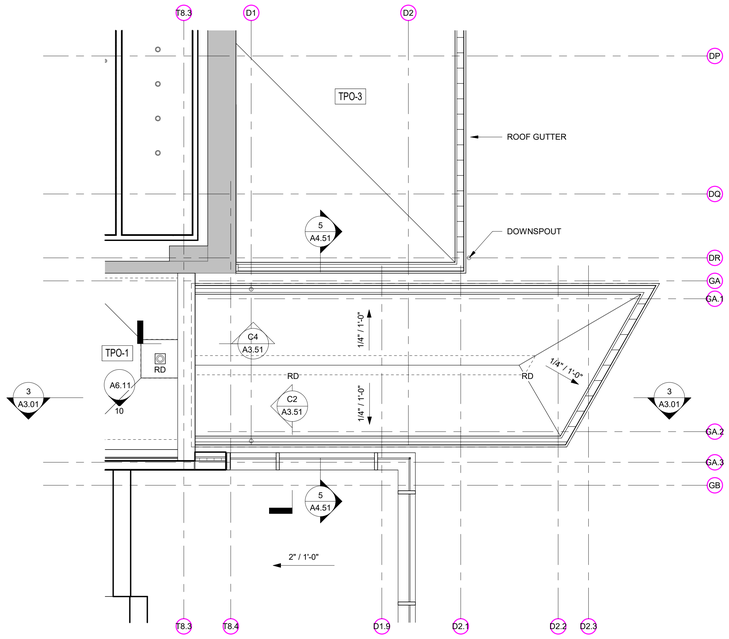
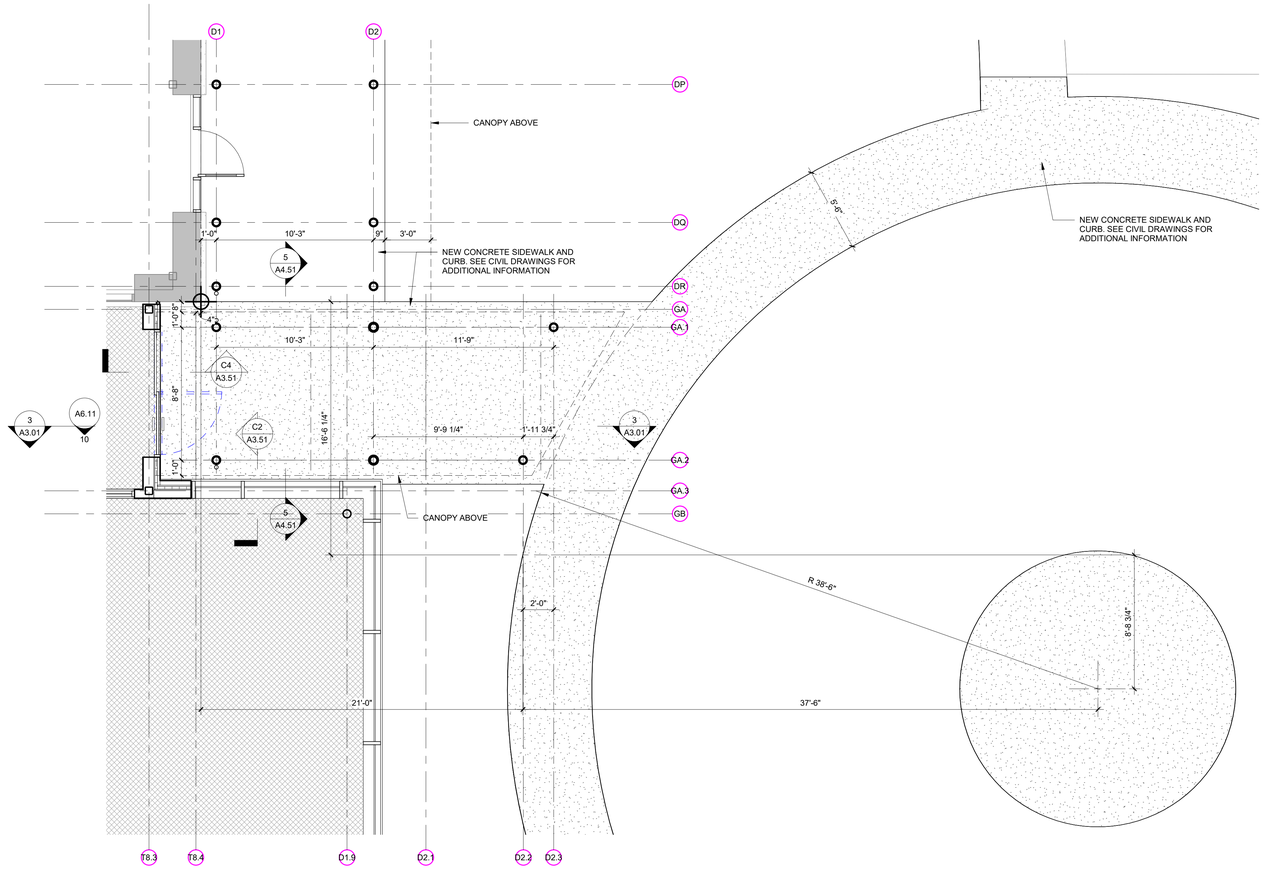
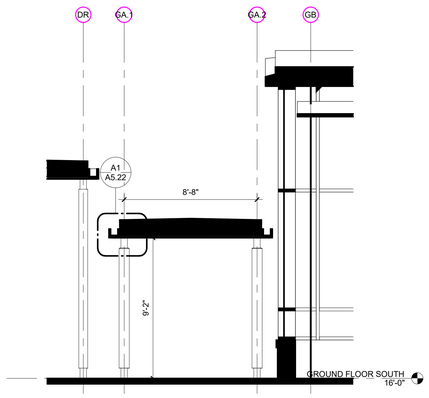


2 A4.51 ENTRANCE CANOPY ROOF PLAN
1/4" = 1'-0"



1 A4.51 ENTRY CANOPY FLOOR PLAN
1/4" = 1'-0"



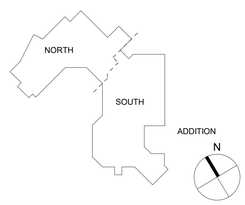
5 A4.51 CANOPY SECTION 2
1/4" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

FLOOR PLAN LEGEND

Room name 101	ROOM NUMBER
101	DOOR NUMBER (SEE DOOR SCHEDULE ON A6.00)
Cxx	CURTAIN WALL TYPE (SEE A6.11)
Sx	STOREFRONT TYPE (SEE A6.00)
Fxx	INTERIOR FRAME TYPE (SEE A6.00)
L1	LOUVER TYPE (SEE A6.xx)
M01	MILLWORK TYPE (SEE A8.xx)
EQ1	EQUIPMENT TYPE (SEE A4.xx)
A1	PARTITION TYPE (SEE G2.01)
	EXISTING WALL TO REMAIN
	EXISTING DOOR TO REMAIN
	NEW WALL CONSTRUCTION
	NEW DOOR (SEE DOOR SCHEDULE ON A6.00)
FEC	FIRE EXTINGUISHER CABINET

KEYPLAN



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NO	DATE	DESCRIPTION

PROJECT NAME:
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PROJECT NUMBER:
20200157

DRAWING TITLE:
ENLARGED CANOPY PLANS & SECTIONS

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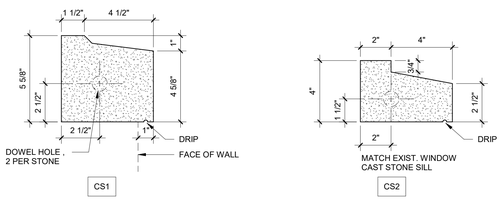
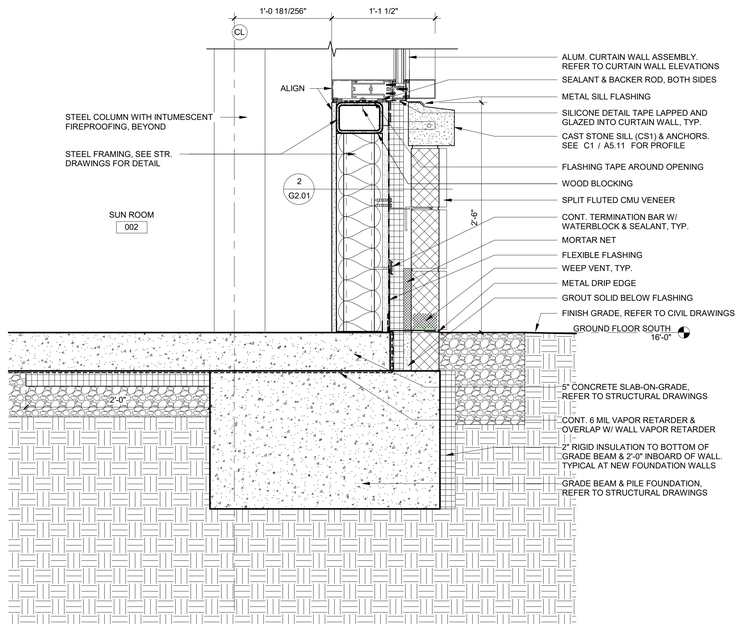
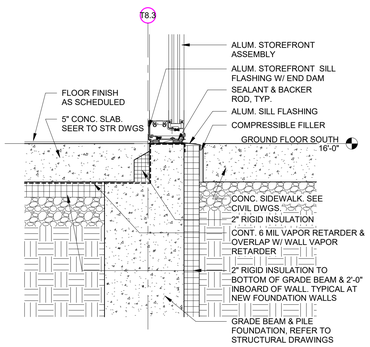


C1 / A5.11 CAST STONE PROFIL
3" = 1'-0"



A1 / A5.11 BASE OF WALL DETAIL @ CURTAIN WALL
1 1/2" = 1'-0"



A4 / A5.11 BASE OF WALL DETAIL @ STOREFRONT
1 1/2" = 1'-0"

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PROJECT NUMBER:
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WALL SECTION DETAILS

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DATE: **9/23/2022**
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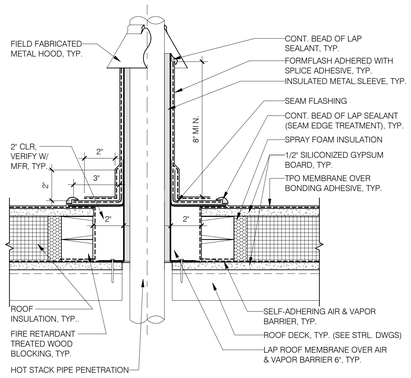
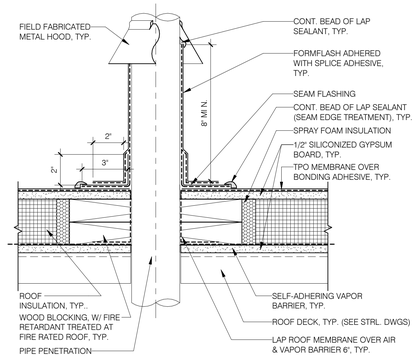
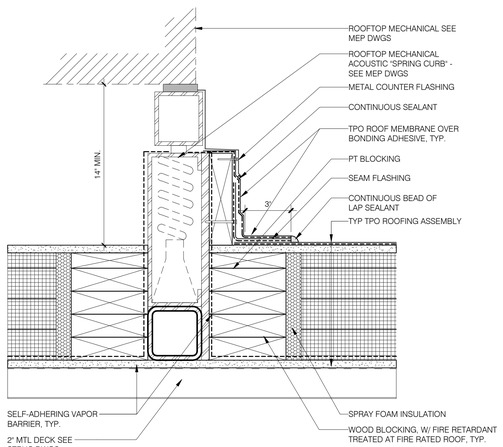


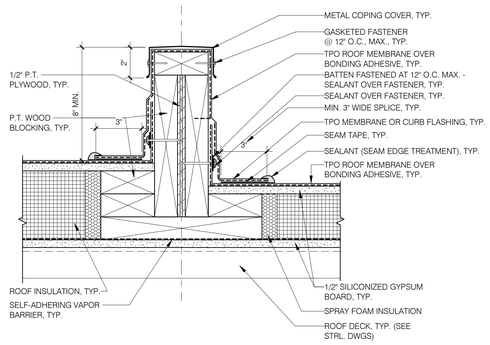
D1 A5.21 TPO ROOF HOT STACK PIPE PENETRATION DETAIL
3" = 1'-0"



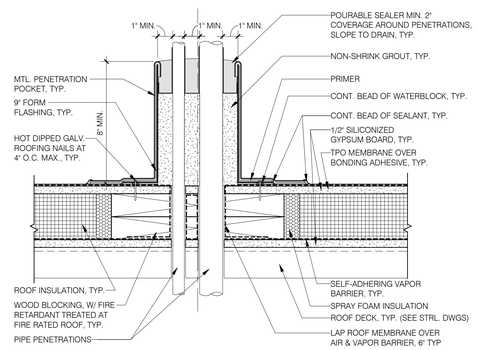
D3 A5.21 TPO ROOF STACK PIPE PENETRATION DETAIL
3" = 1'-0"



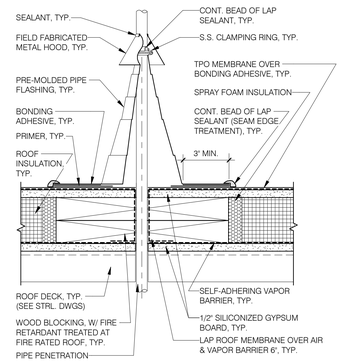
B1 A5.21 TPO ROOF CURB AT ROOFTOP MECHANICALS
3" = 1'-0"



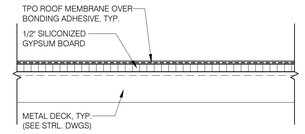
B3 A5.21 TPO ROOF DIVIDER DETAIL
3" = 1'-0"



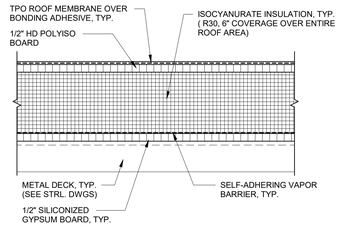
B6 A5.21 TPO ROOF PENETRATION POCKET DETAIL
3" = 1'-0"



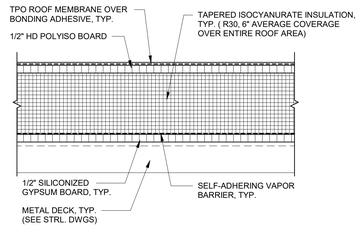
B7 A5.21 TPO ROOF PIPE BOOT PENETRATION DETAIL
3" = 1'-0"



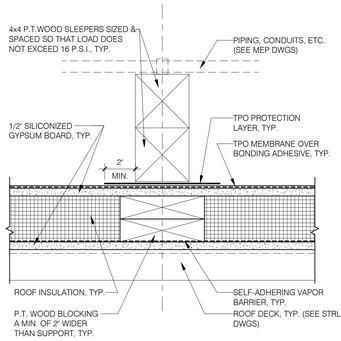
F7 A5.21 TPO-3 ROOF ASSEMBLY
3" = 1'-0"



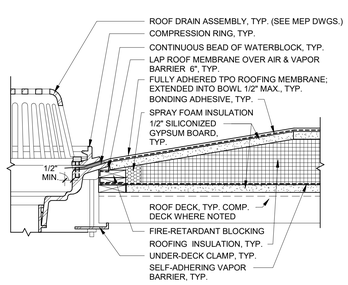
E7 A5.21 TPO-2 ROOF ASSEMBLY
3" = 1'-0"



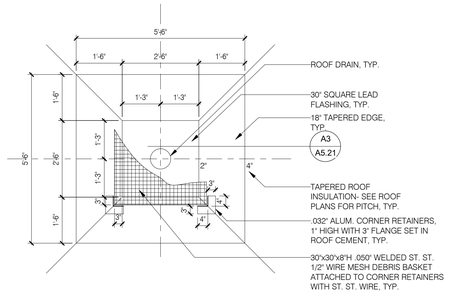
D7 A5.21 TPO-1 ROOF ASSEMBLY
3" = 1'-0"



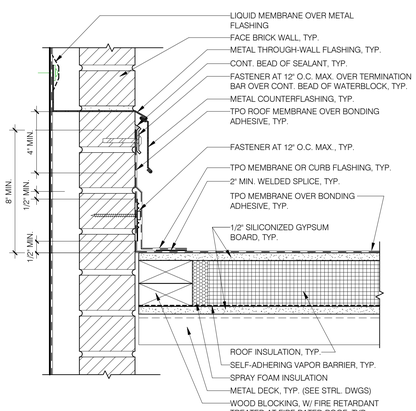
A1 A5.21 TPO ROOF WOOD SLEEPER DETAIL
3" = 1'-0"



A3 A5.21 TPO ROOF DRAIN DETAIL
3" = 1'-0"



A5 A5.21 ROOF DRAIN PLAN DETAIL
1/2" = 1'-0"



A7 A5.21 TPO BRICK WALL BASE DETAIL
3" = 1'-0"

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DRAWING TITLE:
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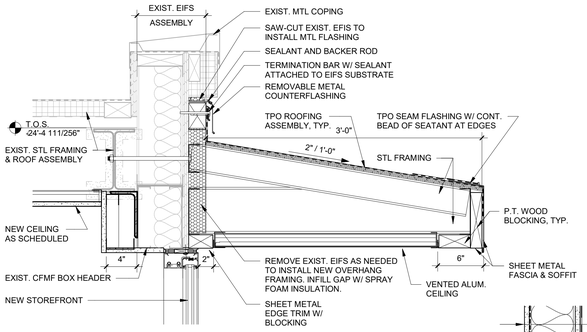
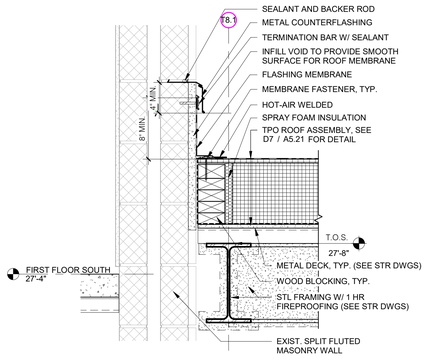
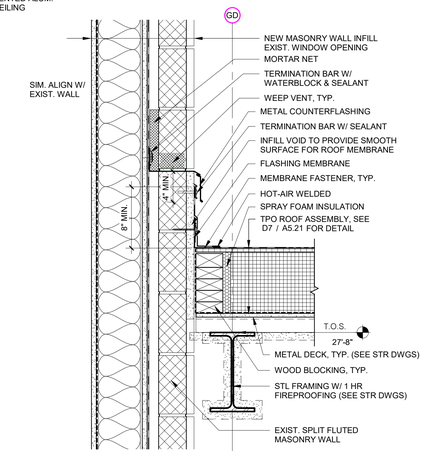


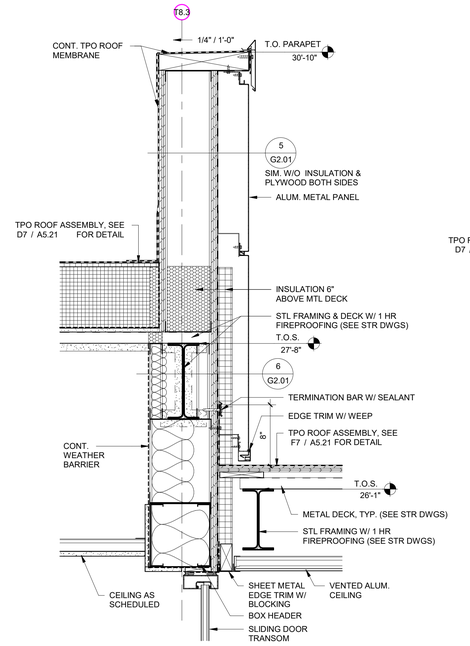
1 A5.22 DETAIL AT OVERHANG ROOF EDGE
1 1/2" = 1'-0"



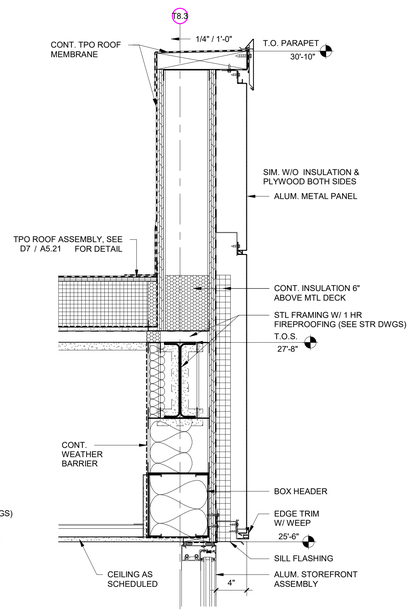
D1 A5.22 DETAIL AT ADDITION ROOF 1
1 1/2" = 1'-0"



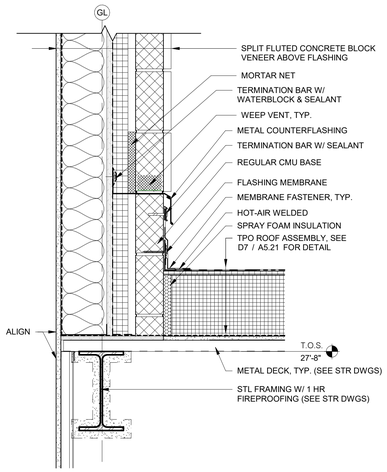
D2 A5.22 DETAIL AT ADDITION ROOF 2
1 1/2" = 1'-0"



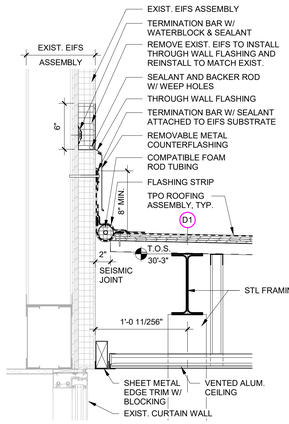
D4 A5.22 DETAIL AT ENTRY CANOPY TO EXTERIOR WALL
1 1/2" = 1'-0"



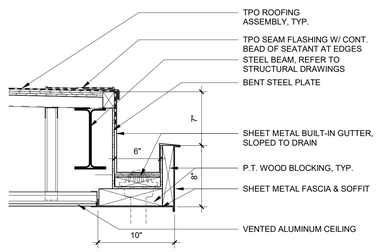
D6 A5.22 DETAIL AT ADDITION ROOF 3
1 1/2" = 1'-0"



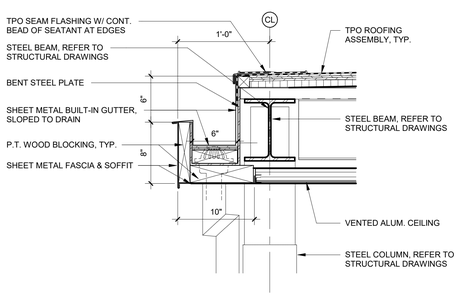
D8 A5.22 DETAIL AT ADDITION ROOF 4
1 1/2" = 1'-0"



C1 A5.22 DETAIL AT PATIO ROOF SEISMIC JOINT
1 1/2" = 1'-0"



C2 A5.22 DETAIL AT PATIO ROOF EDGE
1 1/2" = 1'-0"



A1 A5.22 DETAIL AT ENTRY CANOPY ROOF EDGE
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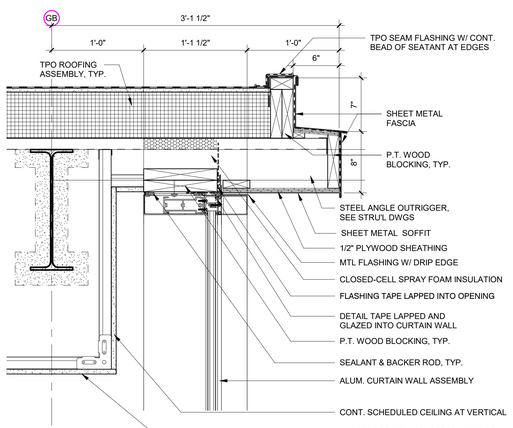
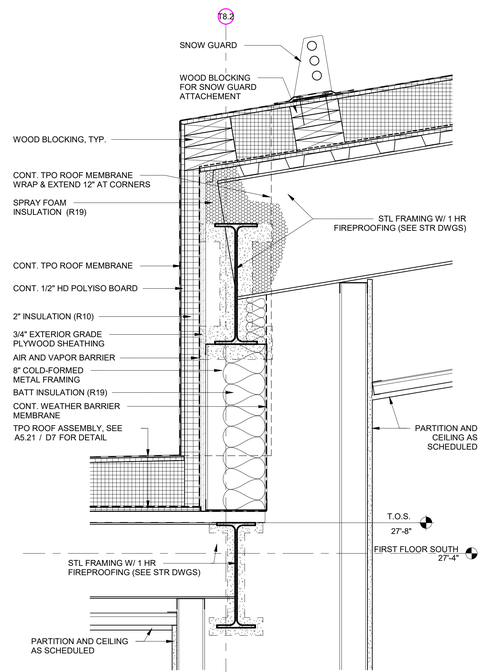


A3 A5.22 DETAIL AT SUN ROOM ROOF EDGE 2
1 1/2" = 1'-0"



A5 A5.22 DETAIL AT ADDITION ROOF 5
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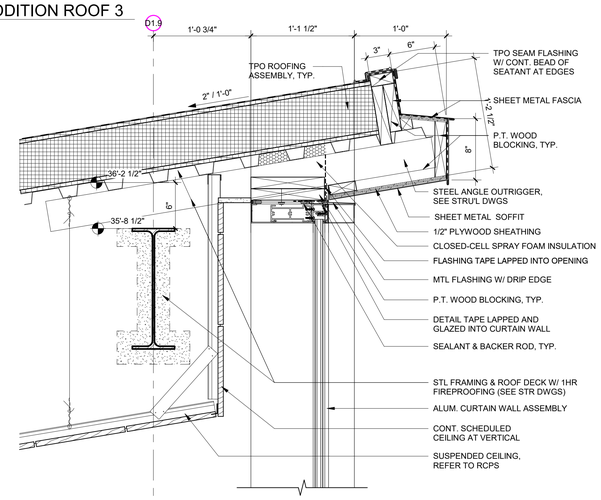

B7 A5.22 DETAIL AT SUN ROOM ROOF EDGE
1 1/2" = 1'-0"

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20200157

DRAWING TITLE:
ROOF DETAILS

SCALE: **1 1/2" = 1'-0"**
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DATE: **9/23/2022**
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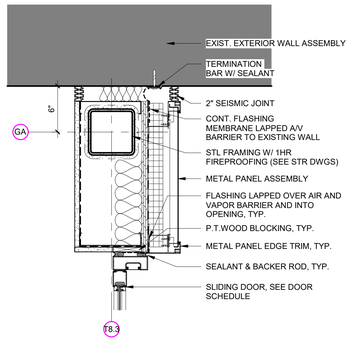

E1 A5.31 PLAN DETAIL 1
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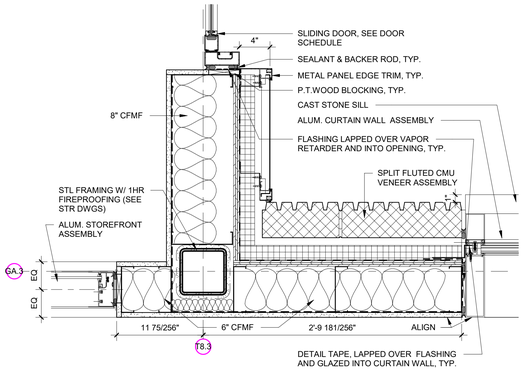

E3 A5.31 PLAN DETAIL 2
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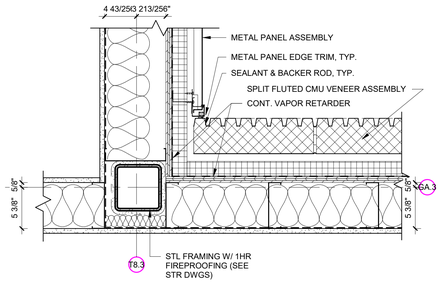
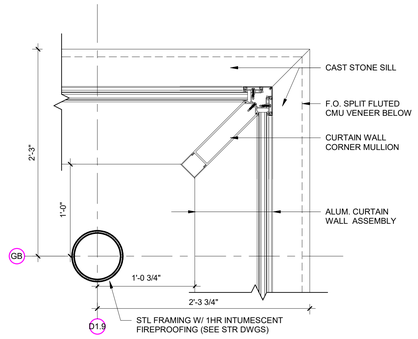
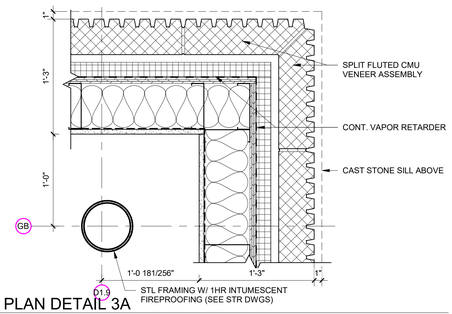


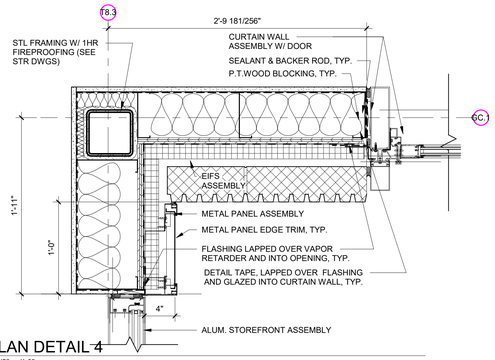
E5 A5.31 PLAN DETAIL 2A
1 1/2" = 1'-0"



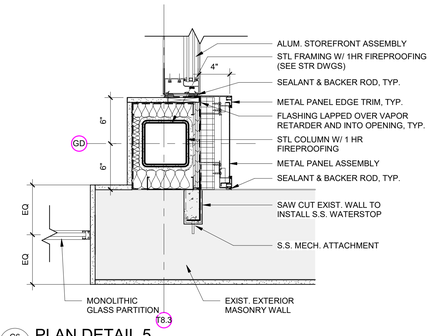
E7 A5.31 PLAN DETAIL 3
1 1/2" = 1'-0"



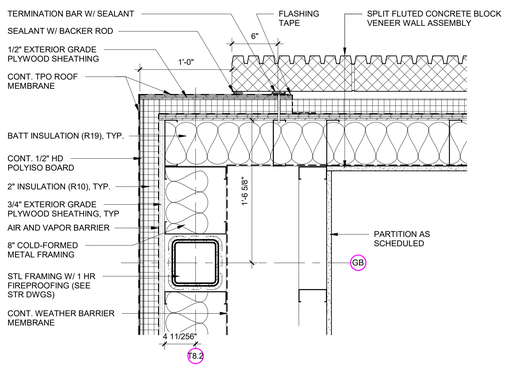
D1 A5.31 PLAN DETAIL 3A
1 1/2" = 1'-0"



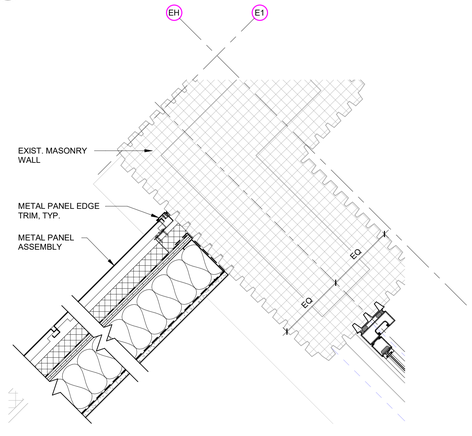
D3 A5.31 PLAN DETAIL 4
1 1/2" = 1'-0"



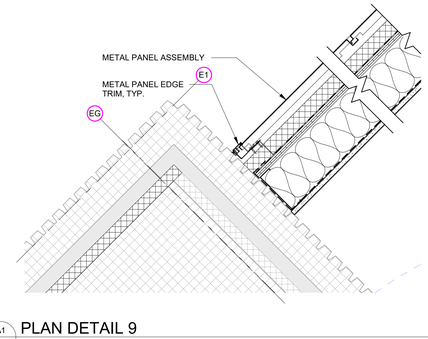
C6 A5.31 PLAN DETAIL 5
1 1/2" = 1'-0"



B1 A5.31 DETAIL AT ROOF CORNER
1 1/2" = 1'-0"



B3 A5.31 PLAN DETAIL 8
1 1/2" = 1'-0"



A1 A5.31 PLAN DETAIL 9
1 1/2" = 1'-0"

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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

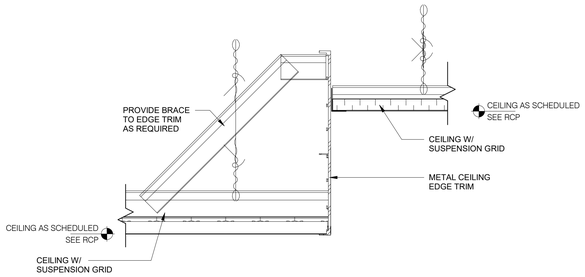
PROJECT NUMBER:
20200157

DRAWING TITLE:
EXTERIOR PLAN DETAILS

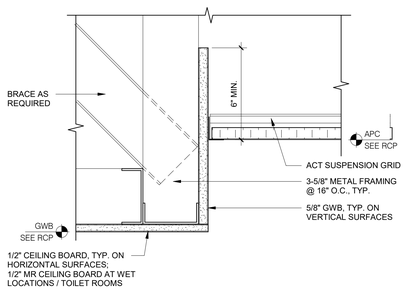
SCALE: **1 1/2" = 1'-0"**
DRAWN BY: **DWG**
DATE: **9/23/2022**
CHECKED BY: **CHK**

DRAWING NUMBER:
A5.31

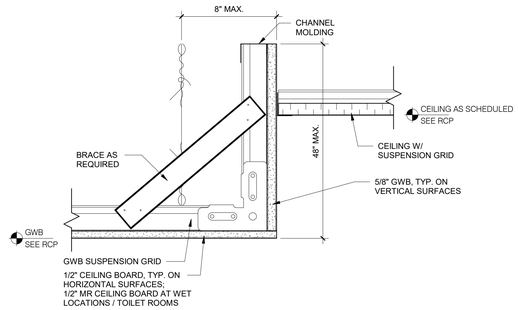
Autodesk Docs://20200157-The Towers/20200157-The Towers-Arch.rvt
9/23/2022 1:38:41 PM



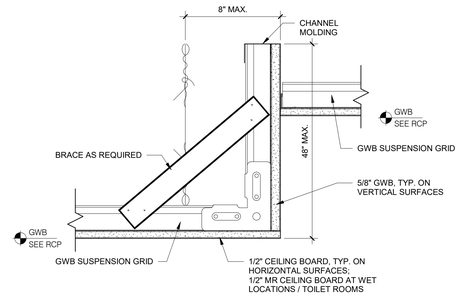
E1 / A5.51 CEILING DETAIL - CEILING W/ EDGE TRIM
3" = 1'-0"



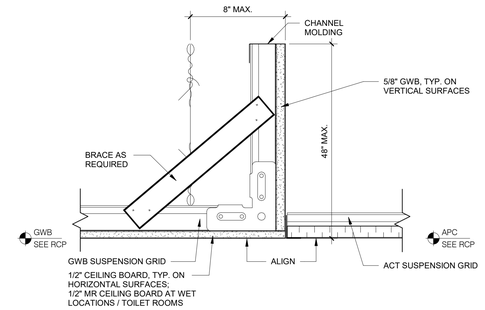
D1 / A5.51 CEILING DETAIL - ACT TO GWB SOFFIT
3" = 1'-0"



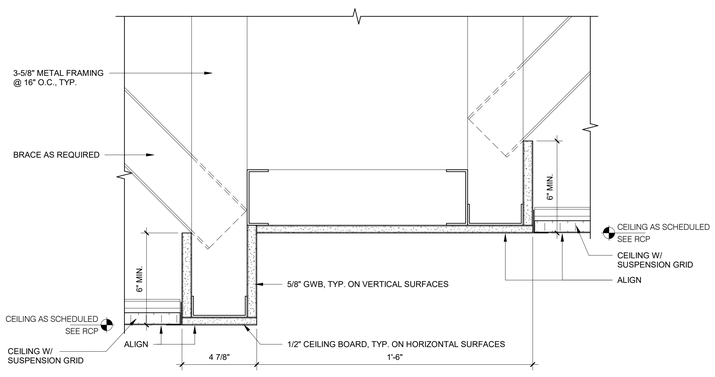
D3 / A5.51 CEILING DETAIL - GWB TO SUSPENDED CEILING
3" = 1'-0"



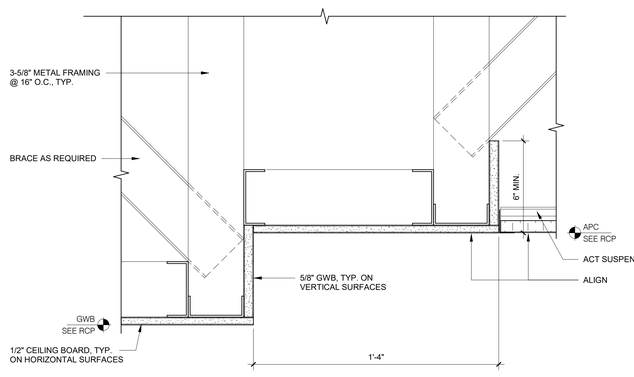
D5 / A5.51 CEILING DETAIL - GWB TO GWB
3" = 1'-0"



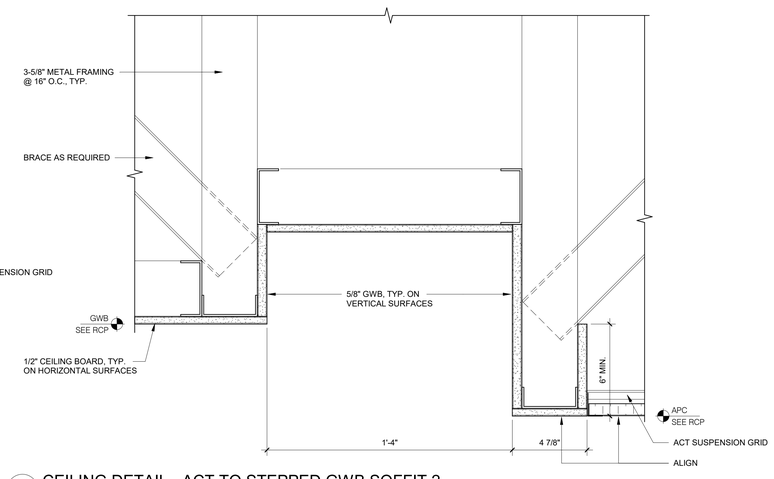
D7 / A5.51 CEILING DETAIL - ACT TO GWB - ALIGNED
3" = 1'-0"



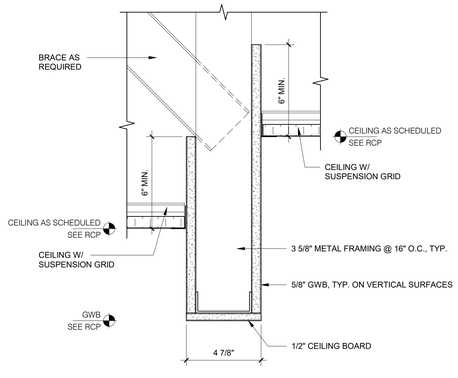
C1 / A5.51 CEILING DETAIL - CEILING W/ STEPPED GWB SOFFIT
3" = 1'-0"



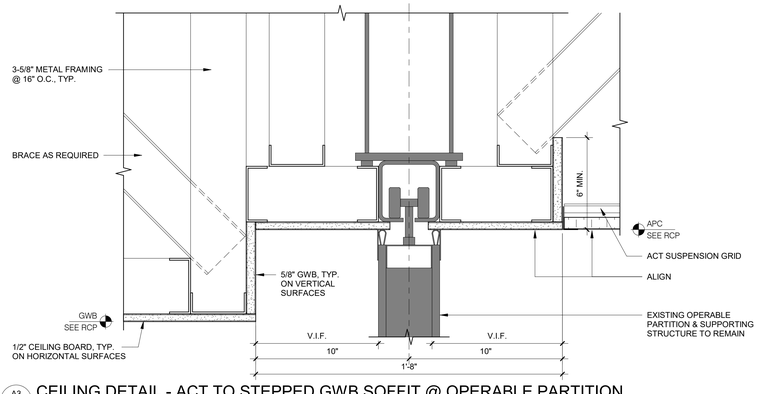
C3 / A5.51 CEILING DETAIL - ACT TO STEPPED GWB SOFFIT
3" = 1'-0"



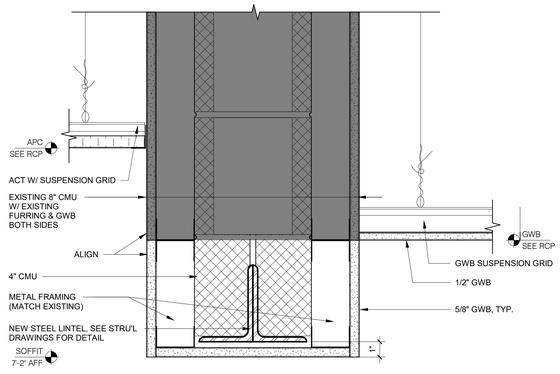
C6 / A5.51 CEILING DETAIL - ACT TO STEPPED GWB SOFFIT 2
3" = 1'-0"



A1 / A5.51 CEILING DETAIL - CEILINGS W/ GWB SOFFIT
3" = 1'-0"



A3 / A5.51 CEILING DETAIL - ACT TO STEPPED GWB SOFFIT @ OPERABLE PARTITION
3" = 1'-0"



A6 / A5.51 CEILING DETAIL - CEILING TRANSITION @ NEW MASONRY OPENING
3" = 1'-0"

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PROJECT NAME:
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PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
CEILING DETAILS

SCALE: **3" = 1'-0"**
DRAWN BY: **NJM**
DATE: **9/23/2022**
CHECKED BY: **-**

DRAWING NUMBER:
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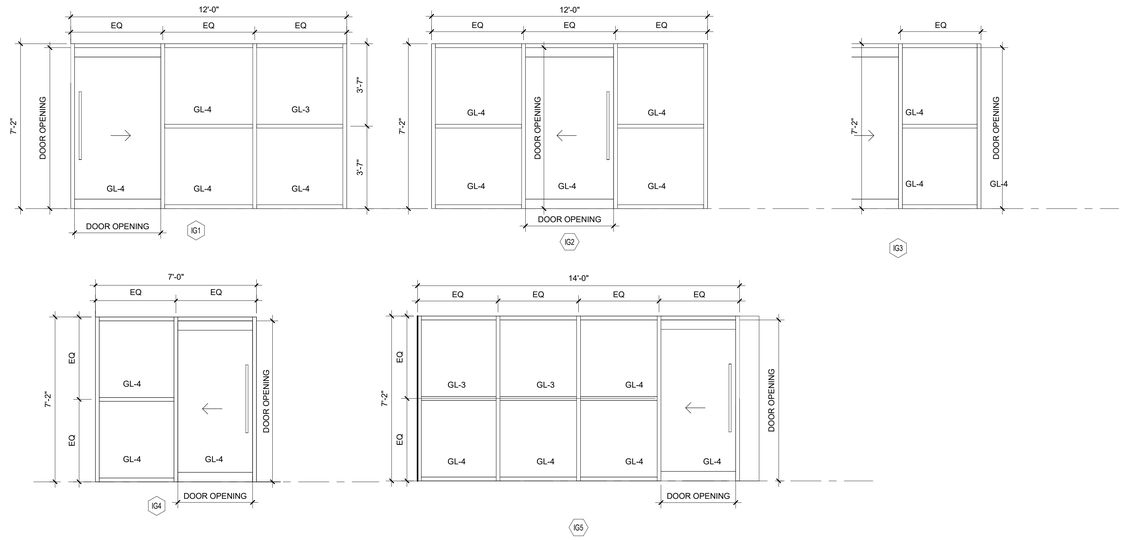
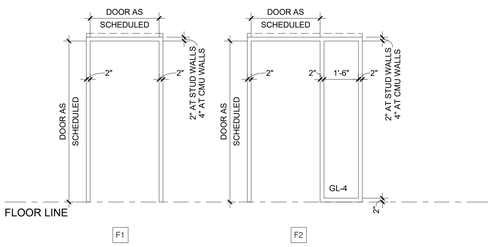
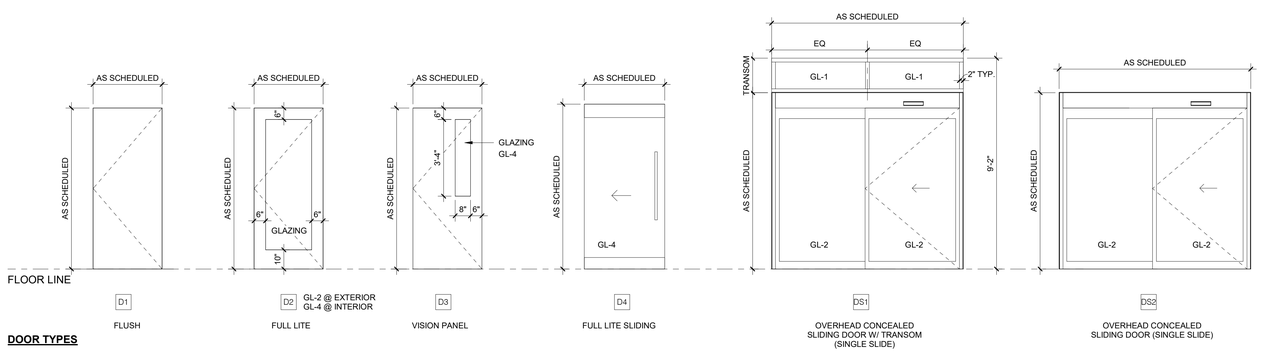


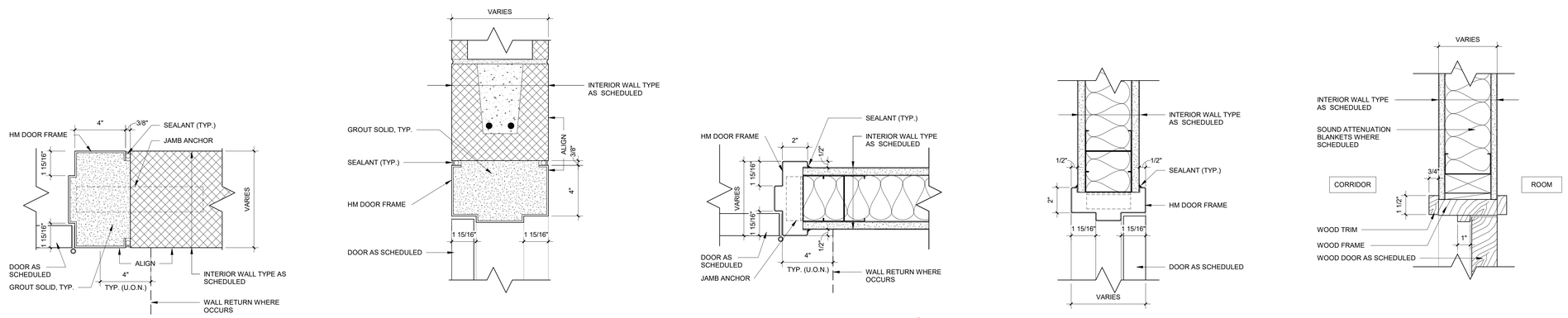
MONOLITHIC GLASS PARTITION TYPES
DESIGN BASIS: MURAFLEX FINO



FRAME TYPES



DOOR TYPES



A1 / A6.00 HM FRAME - CMU JAMB DETAIL
3" = 1'-0"

A2 / A6.00 HM FRAME - CMU HEAD DETAIL
3" = 1'-0"

A4 / A6.00 HM FRAME - METAL STUD JAMB DETAIL
3" = 1'-0"

A5 / A6.00 HM FRAME - METAL STUD HEAD DETAIL
3" = 1'-0"

A6 / A6.00 WD FRAME - HEAD AND JAMB DETAIL
3" = 1'-0"

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR OPENING SIZE WIDTH	DOOR OPENING SIZE HEIGHT	DOOR DOUBLE LEAF	DOOR DOOR TYPE	DOOR DOOR MATERIAL	FRAME FRAME TYPE	FRAME FRAME MATERIAL	FRAME DETAIL/SHEET NUMBER SILL DETAIL	FIRE RATING	HARDWARE (SEE SPECIFICATION SECTION 087100) AUTOMATIC CLOSER	CARD ACCESS	POWER OPERATOR	E.M. HOLD OPEN	KICK PLATES	HARDWARE SET	COMMENTS
GROUND FLOOR SOUTH																
000-1	8'-0"	7'-0"		DS1	GL		AL									OVERHEAD CONCEALED SLIDING DOOR, DOOR HEIGHT 7'-0"
000-2	8'-0"	7'-0"		DS1	GL		AL									OVERHEAD CONCEALED SLIDING DOOR, DOOR HEIGHT 7'-0"
002	3'-0"	7'-0"		D2	AL	CW4	AL			•		•				EXTERIOR CURTAIN WALL
003-1	3'-9"	7'-0"		D4	AL/GL	IG1	AL									SLIDING DOOR; BAR PULL BOTH SIDES; FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
003-2	3'-10"	7'-0"		D4	AL/GL	IG2	AL			•						SLIDING DOOR; BAR PULL BOTH SIDES; FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
004	3'-0"	7'-0"		D3	WD	F1	HM									FLOOR STOP
006	3'-0"	7'-0"		D3	WD	F1	HM									FLOOR STOP
007	3'-0"	7'-0"		D3	WD	F1	HM									FLOOR STOP
008	3'-3"	7'-0"		D4	AL/GL	IG3	AL									SLIDING DOOR; BAR PULL BOTH SIDES; FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
009A	3'-0"	7'-0"		D1	WD	F1	HM			•						FLOOR STOP
010	3'-3"	7'-0"		D4	AL/GL	IG4	AL			•						SLIDING DOOR; BAR PULL BOTH SIDES; FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
013	3'-0"	6'-10"		D2	AL	SF2	AL									
022	3'-0"	7'-0"		D1	HM	F1	HM		45 MIN	•			•	•		
023	3'-0"	7'-0"		D1	HM	F1	HM					•				
024	3'-0"	7'-0"		D1	HM	F1	HM					•				
025	3'-0"	7'-0"		D1	HM	F1	HM									VACANCY INDICATOR
026	3'-0"	7'-0"		D1	HM	F1	HM							•		
030	3'-0"	7'-10 3/4"		D2	AL	CW1	AL			•		•				EXTERIOR CURTAIN WALL
030A	6'-0"	7'-0"		D1	WD	F1	HM									CONCEALED OFFSET PIVOT HINGE; CONCEALED EDGE PULL
030B	6'-0"	7'-0"		D1	WD	F1	HM									CONCEALED OFFSET PIVOT HINGE; CONCEALED EDGE PULL
033	3'-0"	7'-0"		D3	HM	F1	HM			•				•		DOUBLE ACTING; AUTO-CLOSER WITH HOLD-OPEN FUNCTION; SURFACE BOLTS
035	6'-0"	7'-0"		D3	HM	F1	HM			•				•		DOUBLE ACTING; AUTO-CLOSER WITH HOLD-OPEN FUNCTION; SURFACE BOLTS
035A	3'-0"	7'-0"		D3	HM	F1	HM			•				•		DOUBLE ACTING; AUTO-CLOSER WITH HOLD-OPEN FUNCTION; SURFACE BOLTS
036	3'-0"	7'-0"		D3	HM	F1	HM			•				•		DOUBLE ACTING; AUTO-CLOSER WITH HOLD-OPEN FUNCTION; SURFACE BOLTS
043	3'-0"	7'-0"		D3	WD	F1	HM									
050	3'-3"	7'-0"		D4	AL/GL	IG5	AL									SLIDING DOOR; BAR PULL BOTH SIDES; FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
C001	5'-8"	7'-0"	•	D1	HM	F1	HM									UNEQUAL LEAFS: 3'-0"/2'-8"; NON-LATCHING; BAR PULLS ONE SIDE; PUSH PLATES OPP. SIDE; FLOOR STOPS; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
C003	3'-0"	7'-10"		D3	WD	F1	HM		90 MIN	•			•			EXIT ONLY; CONCEALED PIVOT HINGE; CONCEALED CLOSER
GROUND FLOOR NORTH																
054	3'-0"	7'-0"		D2	WD	F2	HM			•						FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
055	3'-0"	7'-0"		D3	WD	F1	HM									FLOOR STOP
057	3'-0"	7'-0"		D3	WD	F1	HM			•						FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION
060	6'-0"	8'-0"		D2	WD	F1	WD									BAR PULL BOTH SIDES; FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION; CONCEALED CLOSER
063	3'-0"	7'-0"		D1	HM	F1	HM									VACANCY INDICATOR
070	8'-0"	7'-0"		DS2	GL		AL									OVERHEAD CONCEALED SLIDING DOOR, DOOR HEIGHT 7'-0"
071	8'-0"	7'-0"		DS2	GL		AL									OVERHEAD CONCEALED SLIDING DOOR, DOOR HEIGHT 7'-0"
075	3'-6"	7'-0"		D1	HM	F1	HM			•						FLOOR STOP; AUTO-CLOSER WITH HOLD-OPEN FUNCTION

Grand total: 36

DOOR AND FRAME SCHEDULE - EXISTING

DOOR NUMBER	DOOR OPENING SIZE WIDTH	DOOR OPENING SIZE HEIGHT	DOOR DOUBLE LEAF	DOOR DOOR TYPE	DOOR DOOR MATERIAL	FRAME FRAME TYPE	FRAME FRAME MATERIAL	FRAME DETAIL/SHEET NUMBER SILL DETAIL	FIRE RATING	HARDWARE (SEE SPECIFICATION SECTION 087100) AUTOMATIC CLOSER	CARD ACCESS	POWER OPERATOR	E.M. HOLD OPEN	KICK PLATES	HARDWARE SET	COMMENTS
GROUND FLOOR NORTH																
X064	3'-0"	7'-0"		ETR	ETR	ETR	ETR									NEW HARDWARE WITH VACANCY INDICATOR
X074	3'-0"	7'-0"		ETR	ETR	ETR	ETR		90 MIN	•			•			NEW PANIC BAR & AUTO-CLOSER

Grand total: 2

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

DOOR SCHEDULE LEGEND:

AL - ALUMINUM (SEE SPEC FOR FINISH REQUIREMENTS)

HM - HOLLOW METAL DOOR

WD - WOOD (MATCH INTERIOR DESIGNER'S CONTROL SAMPLE)

PTD - PAINTED (SEE INTERIOR DESIGN DRAWINGS)

GL - GLAZING (REFER TO GLAZING TYPE SCHEDULE)

DOOR SCHEDULE NOTES:

1. FOR CURTAINWALL TYPES (SEE DWG A6.11)

2. FOR HARDWARE INFORMATION SEE PROJECT MANUAL SECTION 087100 DOOR HARDWARE.

GLAZING TYPE SCHEDULE:

GL-1: 1" INSULATED GLASS UNIT

GL-2: 1" INSULATED GLASS UNIT, TEMPERED

GL-3: 1/4" CLEAR FLOAT GLASS

GL-4: 1/4" CLEAR FLOAT GLASS, TEMPERED

GL-5: EXTERIOR INSULATED GLASS UNIT, TEMPERED

GL-6: 1" INSULATED GLASS UNIT, TEMPERED & FROSTED

GL-7: 1" INSULATED GLASS UNIT, DIGITALLY PRINTED CERAMIC FRIT, TEMPERED WHERE REQUIRED

IP: INSULATED METAL PANEL

1

GLAZING NOTES:

1. SEE SPECIFICATION SECTION 088000 GLAZING FOR ADDITIONAL INFORMATION.

2. PROVIDE TEMPERED GLASS IN ALL OPERABLE DOORS, IN ALL GLASS PANELS WITHIN 12" OF AN OPERABLE DOOR AND IN ALL GLASS PANELS WITHIN 42" OF AN OCCUPIABLE FLOOR AS REQUIRED BY CODE.

NEWMAN ARCHITECTS

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
1	10/03/2022	ADDENDUM #1

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

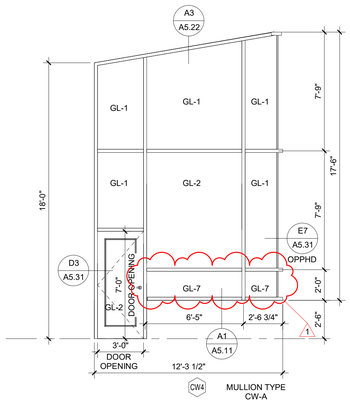
PROJECT NUMBER:
20200157

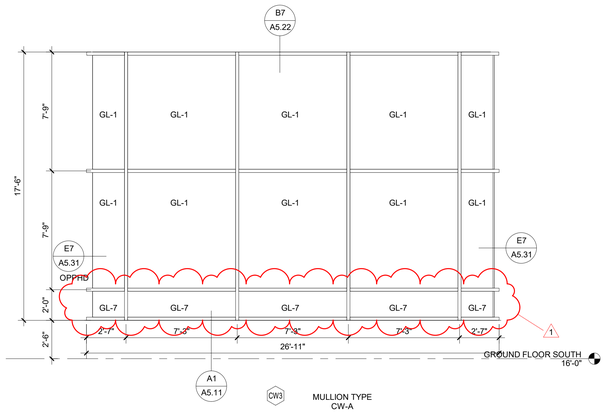
DRAWING TITLE:
DOOR & FRAME SCHEDULE, TYPES, & DETAILS

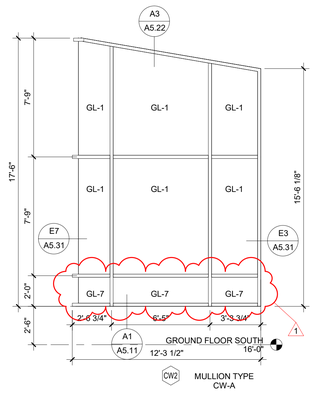
SCALE: **As indicated**
DRAWN BY: **HHL**
DATE: **9/23/2022**
CHECKED BY: **-**

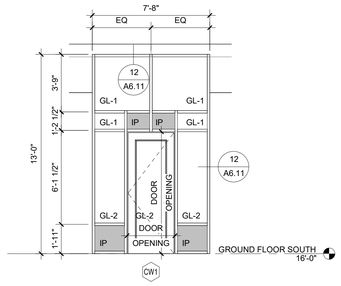
DRAWING NUMBER:
A6.00

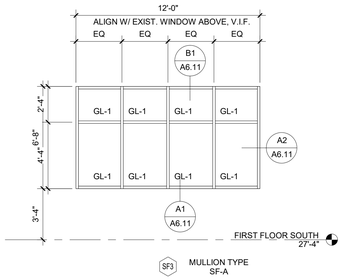
Autodesk Docs://20200157-The Towers/20200157-The Towers-Arch.rvt
10/3/2022 12:33:19 PM

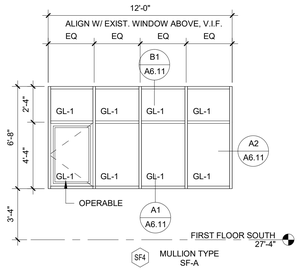


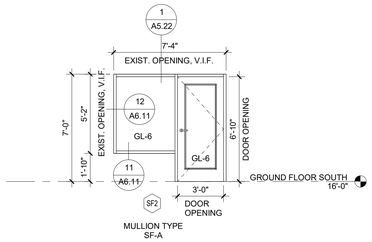


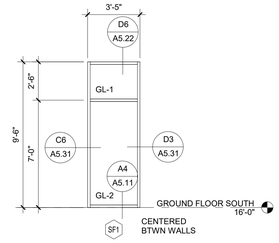


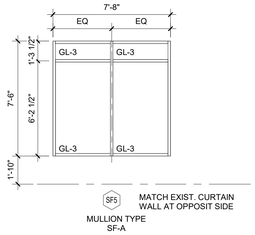


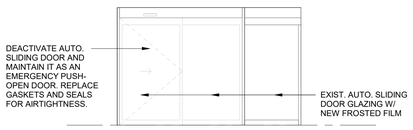




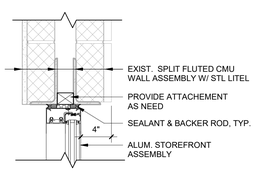




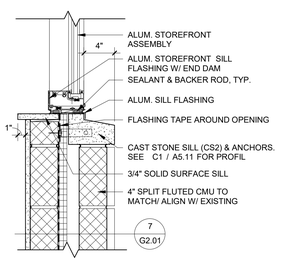




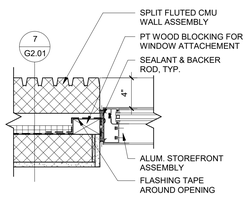
C5 A6.11 EXIST. SLIDING DOOR
1/4" = 1'-0"



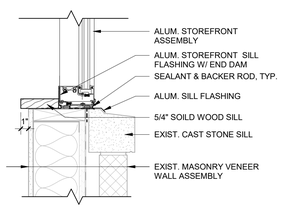
B1 A6.11 STOREFRONT HEAD DETAIL
1 1/2" = 1'-0"



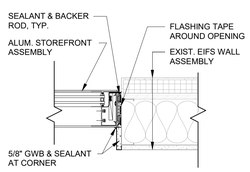
A1 A6.11 STOREFRONT SILL DETAIL
1 1/2" = 1'-0"



A2 A6.11 STOREFRONT JAMB DETAIL
1 1/2" = 1'-0"



11 A6.11 STOREFRONT SILL DETAIL 1
1 1/2" = 1'-0"



12 A6.11 STOREFRONT JAMB/HEAD DETAIL
1 1/2" = 1'-0"

NOTE: REFER TO SHEET G0.00 FOR SYMBOLS & ABBREVIATIONS AND SHEET G0.01 FOR GENERAL NOTES.

GLAZING TYPE SCHEDULE:

GL-1: 1" INSULATED GLASS UNIT

GL-2: 1" INSULATED GLASS UNIT, TEMPERED

GL-3: 1/4" CLEAR FLOAT GLASS

GL-4: 1/4" CLEAR FLOAT GLASS, TEMPERED

GL-5: EXTERIOR INSULATED GLASS UNIT, TEMPERED

GL-6: 1" INSULATED GLASS UNIT, TEMPERED & FROSTED

GL-7: 1" INSULATED GLASS UNIT, DIGITALLY PRINTED CERAMIC FRIT, TEMPERED WHERE REQUIRED

IP: INSULATED METAL PANEL

1

GLAZING NOTES:

1. SEE SPECIFICATION SECTION 088000 GLAZING FOR ADDITIONAL INFORMATION.

2. PROVIDE TEMPERED GLASS IN ALL OPERABLE DOORS, IN ALL GLASS PANELS WITHIN 12" OF AN OPERABLE DOOR AND IN ALL GLASS PANELS WITHIN 42" OF AN OCCUPIABLE FLOOR AS REQUIRED BY CODE.

STOREFRONT SCHEDULE:

SF-A: OLDCASTLE SERIES 3000 XT (2" x 4-1/2")

CURTAIN WALL SCHEDULE:

CW-A: OLDCASTLE RELIANCE (2-1/2" x 10-1/8" W/ 3 7/8" CAP)
CW-B: OLDCASTLE RELIANCE (2-1/2" x 6")

NOTE: OVERALL DIMENSIONS ARE ROUGH OPENING/ MASONRY OPENING DIMENSIONS. COORDINATE IN FIELD PRIOR TO MANUFACTURE

WINDOW SHADE SCHEDULE:

WS-1: MOTORIZED WINDOW SHADE
WS-2: MANUAL WINDOW SHADE

NEWMAN ARCHITECTS

NEWMAN ARCHITECTS, PC

300 York Street, New Haven, CT 06511
203.772.1990 Fax 203.772.1997
www.newmanarchitects.com

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CIVIL ENGINEER
LANGAN ENGINEERING
555 LONG WHARF DRIVE
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MIDDLETOWN, CT 06457
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FOOD SERVICE
MORRISON COMMUNITY LIVING
400 NORTHRIDGE ROAD, SUITE 600
ATLANTA, GA 300350
T 404.845.3350

PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
1	10/03/2022	ADDENDUM #1

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
CURTAIN WALL & STOREFRONT TYPES & DETAILS

SCALE: **As indicated**
DRAWN BY: **HHL**
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18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:

202101

COVER PAGE

100% CONSTRUCTION DOCUMENTS BID SET

9/23/2022

CAMA

FINISH KEY

CODE	SPEC SECTION	APPLICATION	MATERIAL	MANUFACTURER	PRODUCT	COLOR	FINISH DIMENSIONS	REMARKS	CT ARCH REP CONTACT	LOCATION
WALL PAINT										
P-1	099123	WALLS	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS; FINISH KEY FOR COLOR REFERENCE ONLY	STONE HEARTH CC-490	N/A	EGGSHELL FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	GENERAL WALL PAINT
P-2	099123	WALLS	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS; FINISH KEY FOR COLOR REFERENCE ONLY	2129-40 NORMANDY	N/A	EGGSHELL FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	ACCENT WALL PAINT
P-3	099123	WALLS	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS; FINISH KEY FOR COLOR REFERENCE ONLY	HC-50 GEORGIAN BRICK	N/A	EGGSHELL FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	ACCENT WALL PAINT
P-4	099123	WALLS	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS ; FINISH KEY COLOR REFERENCE ONLY	2159-40 AMBER WAVES	N/A	EGGSHELL FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	ACCENT WALL PAINT
P-5	099123	DOORS AND TRIM	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS; FINISH KEY FOR COLOR REFERENCE ONLY	HC-175 BRIARWOOD	N/A	SEMI-GLOSS FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	GENERAL DOOR AND TRIM PAINT
P-6	099123	DOORS AND TRIM	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS ; FINISH KEY COLOR REFERENCE ONLY	2152-30 AUTUMN GOLD	N/A	SEMI-GLOSS FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	DOOR AT CREATIVITY STUDIO
P-7	099123	WALLS	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS ; FINISH KEY COLOR REFERENCE ONLY	OC-18 DOVE WING	N/A	EGGSHELL FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	WALL PAINT
P-8	099123	WALLS	PAINT	SMARTER SURFACES	SMART MAGNETIC WHITEBOARD PAINT - REFER TO CSI SPECIFICATION FOR DETAILS	CLEAR	N/A	APPLY P-2 COATING BEFORE THE P-8 COATING	WWW.SMARTERSURFACES.COM SUPPORT #800-932-1609	STAFF LOUNGE/ CREATIVITY STUDIO
P-9	099123	WALLS	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS ; FINISH KEY COLOR REFERENCE ONLY	TBD	N/A	EGGSHELL FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	ACCENT WALL PAINT
P-CLG	099123	CEILING/ SOFFITS	PAINT	BENJAMIN MOORE	REFER TO CSI SPECIFICATION FOR DETAILS ; FINISH KEY COLOR REFERENCE ONLY	OC-18 DOVE WING	N/A	FLAT FINISH TYPICAL	ALLYSON SMITH - 203-501-8541 ALLYSON.SMITH@BENJAMINMOORE.COM	SHEETROCK CEILINGS, SOFFITS, U.O.N.
WALL TILE										
CWT-1A	093013	WALLS	CERAMIC WALL TILE	CREATIVE MATERIALS	GLEAM	YELLOW OBLONG	TILE SIZE: 4" X 12" THICKNESS: 7.5 MM	GROUT JOINT: 1/16" GROUT: TBD	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	RESTROOMS; ACCENT WALL TILE
CWT-1B	093013	WALLS	CERAMIC WALL TILE	CREATIVE MATERIALS	GLEAM	YELLOW	TILE SIZE: 4" X 12" THICKNESS: 7.5 MM	GROUT JOINT: 1/16" GROUT: TBD	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	RESTROOMS; WALL TILE
CWT-2	093013	BACKSPLASH	CERAMIC WALL TILE	CREATIVE MATERIALS	CHROMA	YELLOW - GLOSSY	TILE SIZE: 2" X 10" THICKNESS: 10 MM	GROUT JOINT: 1/16" GROUT: TBD	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	BACKSPLASH - CREATIVITY STUDIO AND STAFF LOUNGE
CWT-3	093013	BACKSPLASH	CERAMIC WALL TILE	TILE AMERICA	DENIM DÉCOR BY WOW CERAMICS	WASHED BLUE	TILE SIZE: 5.5"X5.5" THICKNESS: 8.5 MM	GROUT JOINT: 1/16" GROUT: TBD	TILE AMERICA - 203-777-3637 WWW. TILEAMERICA.COM	TOWER E WATER FOUNTAIN
GWT-1	093013	BACKSPLASH	GLASS WALL TILE	OASIS TILE	GLOW 1X1 ORANGE GLOSSY GLASS TILE	ORANGE	TILE SIZE: 1"X1" THICKNESS: 1/8"	GROUT JOINT: 1/8" GROUT: TBD	OASIS TILE - 1-866-392-1659 www.oasistile.com	STAFF LOUNGE BACKSPLASH
SWT-1	093013	FIREPLACE	STONE WALL TILE	DALTILE	STACKED STONE - QUARTZITE - NATURAL CLEFT FINISH	GOLDEN SUN: S783	TILE SIZE: MESH MOUNTED (6"X24") THICKNESS: 3/8"-3/4" (UNGAUGED)	GROUT JOINT: N/A GROUT: N/A	CLEO GALANOS - 203-233-8585 CLEO.GALANOS@DALTILE.COM	FIREPLACE
SWT-2	093013	WALL	STONE WALL TILE	TILE AMERICA	JERUSALEM GOLD TUMBLED LIMESTONE	LJG4X8T ONY	4X8 UNGLAZED	GROUT JOINTS TO BE COORDINATED WITH DESIGN INTENT OF YAHRZEIT WALL	TILE AMERICA - 203-777-3637 WWW. TILEAMERICA.COM	SANCTUARY
PWT-1	093013	BACKSPLASH	MOSAIC TILE	KLAY.	AMANO 41927H	PURE BLUE GLOSSY	TILE SIZE: 24MM X 24MM TILE THICKNESS: 6.5MM	GROUT JOINT: 1/16" GROUT: TBD	TILE AMERICA - 203-777-3637 WWW. TILEAMERICA.COM	DISPLAY KITCHEN
PWT-2	093013	BACKSPLASH	PORCELAIN WALL TILE	CREATIVE MATERIALS	LIVELY	COOL PAINTBRUSH	TILE SIZE: 8" X 24" THICKNESS: 9.8MM	GROUT JOINT: 1/8" GROUT: TBD	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	DISPLAY KITCHEN - DAIRY
PWT-3	093013	BACKSPLASH	PORCELAIN WALL TILE	CREATIVE MATERIALS	LIVELY	WARM PAINTBRUSH	TILE SIZE: 8" X 24" THICKNESS: 9.8MM	GROUT JOINT: 1/8" GROUT: TBD	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	DISPLAY KITCHEN - MEAT
PWT-4A	093013	WALL	PORCELAIN WALL TILE	TILE AMERICA	ARIES SERIES	TURQUOISE WITH BLANCO LINES	TILE SIZE: 7.79"X8.98" HEX	GROUT JOINT: 1/8" GROUT: TBD	TILE AMERICA - 203-777-3637 WWW. TILEAMERICA.COM	HAIR SALON
PWT-4B	093013	WALL	PORCELAIN WALL TILE	TILE AMERICA	ARIES SERIES	AZUL WITH BLANCO LINES	TILE SIZE: 7.79"X8.98" HEX	GROUT JOINT: 1/8" GROUT: TBD	TILE AMERICA - 203-777-3637 WWW. TILEAMERICA.COM	HAIR SALON
WALL BASE										
B-1	096513	WALL BASE	RUBBER MILLWORK BASE	TARKETT	MILLWORK WALLBASE 8" REVEAL 44999200416 MW-283-F8	121 CEMENT	8" HIGH; THICKNESS: 1/4", LENGTH: 8'	NOTE: MUST USE TARKETT 946 PREMIUM CONTACT ADHESIVE OVER NON POROUS SUBSTRATES (VINYL WALLCOVERINGS)	SCOTT MONTEMERLO - 860-310-6248 SCOTT.MONTEMERLO@TARKETT.COM	TYPICAL WALL BASE
B-2	096513	WALL BASE	VINYL BASE	TARKETT	4" HIGH VINYL COVE BASE	121 CEMENT	4" HIGH : COIL LENGTH: 120'	NOTE: MUST USE TARKETT 946 PREMIUM CONTACT ADHESIVE OVER NON POROUS SUBSTRATES (VINYL WALLCOVERINGS)	SCOTT MONTEMERLO - 860-310-6248 SCOTT.MONTEMERLO@TARKETT.COM	BACK OF HOUSE SPACES.
QTB-1	093013	WALL BASE	QUARRY TILE BASE	DALTILE	QUARRY TEXTURES COVE BASE 5X8 #Q-3585	ASHEN GRAY OT03, MATTE FINISH	TILE SIZE: 5"X 8" THICKNESS: 1/2"	GROUT JOINT: 3/8" GROUT: TBD ALIGN GROUT LINES WITH QUARRY FLOOR TILES.	CLEO GALANOS - 203-233-8585 CLEO.GALANOS@DALTILE.COM	DISPLAY KITCHEN
QTB-2	093013	WALL BASE	QUARRY TILE BASE	DALTILE	QUARRY TEXTURES COVE BASE 5X8 (MATCH EXISTING)	MATCH EXISTING	TILE SIZE: 5"X 8" THICKNESS: 1/2"	GROUT JOINT: 3/8" GROUT: TBD ALIGN GROUT LINES WITH QUARRY FLOOR TILES.	CLEO GALANOS - 203-233-8585 CLEO.GALANOS@DALTILE.COM	BACK OF HOUSE KITCHEN
CTB-1	093013	WALL BASE	CERAMIC TILE BASE	DALTILE	COLORMATCH GLAZED CERAMIC TILE X8	BIRCH 84 MATTE	TILE SIZE: 4X8 THICKNESS: 5/16"	GROUT JOINT: 1/16" GROUT: TBD	CLEO GALANOS - 203-233-8585 CLEO.GALANOS@DALTILE.COM	RESTROOMS
WALLCOVERING										
WC-1	097200	WALLS	WALLCOVERING (IMPACT RESISTANT)	WOLF GORDON	RAMPART KEREN GOH 32401742	GREIGE	MATERIAL WIDTH: 52"	PATTERN MATCH: REVERSE HANG, RANDOM MATCH	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	GENERAL WALLCOVERING
WC-1A	097200	WALLS (CMU)	WALLCOVERING (IMPACT RESISTANT) FOR CMU INSTALL	WOLF GORDON	RAMPART KEREN GOH 32401742 WITH STRONGHOLD #RSL 609 LINER OVER CMU	GREIGE	MATERIAL WIDTH: 52"	PATTERN MATCH: REVERSE HANG, RANDOM MATCH	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	GENERAL WALLCOVERING WITH CMU UNDERLAYMENT
WC-2	097200	WALLS	WALLCOVERING (IMPACT RESISTANT)	WOLF GORDON	RAMPART FOUNDATION GOH 13918950	FDN 5406 ONYX	MATERIAL WIDTH: 52"	PATTERN MATCH: REVERSE HANG, RANDOM MATCH' CAN BE RAILROADED	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	LOCATIONS AS NOTED IN DRAWINGS (DARK ACCENT)
WC-3	097200	WALLS	VINYL WALLCOVERING	WOLF GORDON	RAMPART KEREN GOH 324017425 WITH STRONGHOLD #RSL 609 LINER OVER CMU	CORAL	MATERIAL WIDTH: 52"	PATTERN MATCH: REVERSE HANG, RANDOM MATCH	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	LOCATIONS AS NOTED IN DRAWINGS (WARM ACCENT)
WC-4	097200	WALLS	VINYL WALLCOVERING	WOLF GORDON	CHARISMA GOH 13845650	TAPESTRY TAUPE	MATERIAL WIDTH: 54"	PATTERN MATCH: REVERSE HANG, RANDOM MATCH	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	OFFICES
WC-5	097200	WALLS	VINYL WALLCOVERING	SCHUMACHER HOSPITALITY	CLOSE YOUR EYES AND REMEMBER	SLATE	MATERIAL WIDTH: 27"	PATTERN MATCH: TBD	KELSEY MCMULLIN - 212-213-7897 KMCMULLIN@FSCO.COM OR LAURA PERRY LPERRY@FSCO.COM	HAIR AND NAIL SALON
WC-6	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
WC-7	097200	WALLS	VINYL WALLCOVERING	MDC	FINESSE	CORNSILK	MATERIAL WIDTH: 53"/54"	PATTERN MATCH: RANDOM REVERSIBLE	TONI DOZIER - 914-469-7154 TDOZIER@MDCWALL.COM	RESTROOMS
WC-8	097200	WALLS	WALLCOVERING (IMPACT RESISTANT)	WOLF GORDON	RAMPART QUINAULT GOH32025454	QNT 5546 CANVAS	MATERIAL WIDTH: 52"	PATTERN MATCH: REVERSE HANG, RANDOM MATCH' CAN BE RAILROADED	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	LOCATIONS AS NOTED IN DRAWINGS (LIGHT NEUTRAL)
WC-9	097200	WALLS	WALLCOVERING	SCHUMACHER HOSPITALITY	EXUBERANT PRINTS COLLECTION - AVIARY	BLACK ON WHITE 951323 REFERENCE #: CC0002086	WIDTH: 27" VERTICAL REPEAT: 34-1/2" MATCH: HALF DROP	PATTERN MATCH: TBD NOTE: SUBSTRATE - TYPE II, CLASS A FIRE RATED VINYL CUSTOM AND MADE TO ORDER: 4-5 WEEK LEAD TIME, 50% DEPOSIT REQUIRED	KELSEY MCMULLIN - 212-213-7897 KMCMULLIN@FSCO.COM OR LAURA PERRY LPERRY@FSCO.COM	CREATIVITY STUDIO
WC-10	097200	WALLS	WALLCOVERING (IMPACT RESISTANT)	WOLF GORDON	RAMPART KEREN GOH 32401742 WITH STRONGHOLD #RSL 609 LINER OVER CMU	KRN5622 WALNUT	MATERIAL WIDTH: 52-54"	PATTERN MATCH: TBD	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	CONFERENCE ROOM
WC-11	097200	WALLS	VINYL WALLCOVERING	WOLF GORDON	DIVINE Y47636DV	WHITE GOLD	MATERIAL WIDTH: 54"	PATTERN MATCH: REVERSE HANG, RANDOM MATCH	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	SANCTUARY
WC-12	097200	WALLS	VINYL WALLCOVERING	WOLF GORDON	HUGO	IRIS	MATERIAL WIDTH: 52"	PATTERN MATCH: TBD	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	TOWER EAST RESTROOMS
WC-13	097200	WALLS	WALLCOVERING (IMPACT RESISTANT)	WOLF GORDON	KEREN GOH 32401742 WITH STRONGHOLD #RSL 609 LINER OVER CMU	KRN5621 VERMEIL	MATERIAL WIDTH: 52-54"	PATTERN MATCH: TBD	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	CONFERENCE ROOM
WC-14	097200	WALLS	WALLCOVERING	WOLF GORDON	BAMBOO BEAT	COLOR TBD	MATERIAL WIDTH: 54"	PATTERN MATCH: TBD	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	SUNROOM AND MASSAGE
WC-15	097200	WALLS	WALLCOVERING	WOLF GORDON	HUGO	AQUA	MATERIAL WIDTH: 52"	PATTERN MATCH: TBD	LISA SPENCER - 845.641.1081 LISAS@WOLF-GORDON.COM	TOWER EAST RESTROOMS
AP-01	098413	WALL MOUNTED-FABRIC WRAPPED ACOUSTIC PANEL	ACOUSTIC PANEL	SLALOM	ECORANGE U + 20 MM POLYESTER MATTRESS	TWEED- ALMOND 505	52.2" X 110.2" X 0.71" THICKNESS	CUSTOM CUTS MAY BE REQUIRED TO FIT WITHIN EXISTING OPENING	ALEXANDRA HOIDAL - 860.632.8766 AHOIDAL@APEXLTG.COM	FOUNDER'S ROOM- WALL MOUNTED PANELS
SLAT-1	062530	WALLS	SLAT WALL SYSTEM	MARLITE	MDF SLATWALL, HPL, 7000 SERIES ALUMINUM INSERT	HPL PANEL: WILSONART LOFT OAK 7968K-12 SOFT GRAIN FINISH	VERTICAL PANEL: 8'Hx4'Wx3/4", 3" ON CENTER GROOVES		JAMIE MCEDWARD - 330-260-7627 JMCEDWARD@MARLITE.COM	GIFT SHOP

FINISH KEY

CODE	SPEC SECTION	APPLICATION	MATERIAL	MANUFACTURER	PRODUCT	COLOR	FINISH DIMENSIONS	REMARKS	CT ARCH REP CONTACT	LOCATION
MILLWORK										
PL-1	064023	MILLWORK	PLASTIC LAMINATE	LAB DESIGNS	DAWN FOSSIL	PC228 OR	TBD		NANCY ROYER - 203-605-1441 NANCYR@SURFACEMATERIALS.COM	GENERAL CABINETRY
PL-2	064023	MILLWORK	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE	SHADOW D96-60 MATTE FINISH	TBD		MICHELE GOULD-BERNSTEIN - 215-359-8512 MICHELE@CONNPLY.COM	WHERE NOTED ON DOCUMENTS
PL-3	064023	MILLWORK	PLASTIC LAMINATE	WILSONART	STANDARD PLAM	PEPPERDUST - MATTE FINISH D327-60	TBD		MICHELE GOULD-BERNSTEIN - 215-359-8512 MICHELE@CONNPLY.COM	WHERE NOTED ON DOCUMENTS
PL-4	064023	MILLWORK	PLASTIC LAMINATE	WILSONART	PREMIUM LAMINATE	LOFT OAK 7968K-12 SOFT GRAIN FINISH	TBD		MICHELE GOULD-BERNSTEIN - 215-359-8512 MICHELE@CONNPLY.COM	WHERE NOTED ON DOCUMENTS
PL-5	064023	MILLWORK	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE	CRISP LINEN - FINE VELVET FINISH 4942-38	TBD		MICHELE GOULD-BERNSTEIN - 215-359-8512 MICHELE@CONNPLY.COM	WHERE NOTED ON DOCUMENTS
PL-6	064024	MILLWORK	PLASTIC LAMINATE	WILSONART	PREMIUM LAMINATE	ORITENSIA - FINE VELVET FINISH 5038K-415	TBD		MICHELE GOULD-BERNSTEIN - 215-359-8512 MICHELE@CONNPLY.COM	RECEPTION DESKS
SS-1	064023	COUNTERTOPS/ MILLWORK	SOLID SURFACE	CAESARSTONE	2 CM THICK QUARTZ	GINGER 4330	2 CM THICKNESS		ED CIESIELSKI - 203-721-0920 ED.CIESIELSKI@CAESARSTONEUS.COM	RESTROOMS
SS-2	064023	COUNTERTOPS/ MILLWORK	SOLID SURFACE	CORIAN	SOLID SURFACE	WEATHERED CONCRETE	144"X30"X3/4"		JESSICA CALABRESE - 331.233.3637 JCALABRESE@PARKSITE.COM	WHERE NOTED ON DOCUMENTS
SS-3	064023	COUNTERTOPS/ MILLWORK	SOLID SURFACE	CAMBRIA	SOLID SURFACE	IRONSBRIDGE	SLAB SIZE: 132"x65.5" THICKNESS AVAILABLE IN 1CM, 2CM, 3CM		LIESL DALPE - 952-944-1676 #203-313-1005 LIESL.DALPE@CAMABRIAUSA.COM	SALON/DINING
SS-4	064023	COUNTERTOPS/ MILLWORK	SOLID SURFACE	CORIAN	SOLID SURFACE	NEUTRAL CONCRETE	144"X30"X3/4"		JESSICA CALABRESE - 331.233.3637 JCALABRESE@PARKSITE.COM	WHERE NOTED ON DOCUMENTS
WD-1	064023	MILLWORK	WOOD VENEER	HEITINK VENEERS	CHROMA DYED OAK D06.146 HR	REFER TO PRODUCT COLUMN	REFER TO MILLWORK DRAWINGS		WWW.HEITINK.US 812-336-6436	WOOD VENEER FOR MILLWORK PANELS AS NOTED
MP-01	064023	MILLWORK	METAL PANEL	FORMS + SURFACES	BONDED BRONZE	PATTERN - DASH PATINA NATURAL	THICKNESS: 3.4 MM		DUSTIN DEBERNARDI - 860-944-1640 DUSTIN.DEBERNARDI@FORMS-SURFACES.COM	DINING- MILLWORK PARTIAL HEIGHT WALL- ACCENT PANEL
MP-02	064023	MILLWORK	METAL PANEL	FORMS + SURFACES	FUSED METAL, FUSED NICKEL BRONZE (NO PATTERN)	COLOR: NICKEL BRONZE FINISH: MIST WITH CERAMILOC	THICKNESS: 0.8 MM		DUSTIN DEBERNARDI - 860-944-1640 DUSTIN.DEBERNARDI@FORMS-SURFACES.COM	FIREPLACE FAUX HOOD MATERIAL
MP-03	064023	MILLWORK	METAL PANEL	MOZ	LASER CUT METAL SHEET PATTERN: CUSTOM TBD	POWDERCOAT - CREAM METALLIC	3/16" ALUMINUM 5052	BACKLIGHTING BY MICHAEL STILLER DESIGN	ALEXANDRA HOIDAL - 860.632.8766 AHOIDAL@APEXLTG.COM	SANCTUARY BACKLIT COLUMN WRAPS
MP-04	064023	MILLWORK	METAL PANEL	FORMS + SURFACES	FUSED METAL PATTERN: CUSTOM TBD	COLOR: NICKEL BRONZE FINISH: MIST WITH CERAMILOC	THICKNESS: 0.8 MM		DUSTIN DEBERNARDI - 860-944-1640 DUSTIN.DEBERNARDI@FORMS-SURFACES.COM	TOWER ONE HISTORY WALL
PP-01	064023	MILLWORK	PVC PANEL	FULLER ARCHITECTURAL PANELS	DESIGNER PANELS PATTERN: CUSTOM TBD	BLACK	PANEL SIZE: 48" X 96" THICKNESS: 1"	SEE DRAWINGS FOR DESIGN INTENT.PAINT GRADE PANEL TO BE PAINTED P-5 (2108-30 BROWNHORSE)	DAVID FULLER - 919-720-4252 DF@FULLERAP.COM	DINING - PARTIAL HEIGHT WALL - PERFORATED SCREENS
PP-02	064023	MILLWORK	PVC PANEL	FULLER ARCHITECTURAL PANELS	DESIGNER PANELS PATTERN: SKU:FP395-BK	BLACK	PANEL SIZE: 48" X 96" THICKNESS: 1"	SEE DRAWINGS FOR DESIGN INTENT.PAINT GRADE PANEL TO BE PAINTED P-5 (2108-30 BROWNHORSE)	DAVID FULLER - 919-720-4252 DF@FULLERAP.COM	PUBLIC RESTROOMS - PERFORATED SCREENS
WDP-1	064023	MILLWORK	WOOD PANEL GRILLE	ARMSTRONG	WOODWORKS GRILLE 7265	CUSTOM TO MATCH INTERIOR DESIGNER'S CONTROL SAMPLE	DIMENSIONS: 12"X96" X 2-3/4" (6 SLATS AT 5/8"W X 2 1/4"H		SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	RECEPTION DESK
GLASS										
GL-1	088113	GLASS PANELS	GLASS	SKYLINE DESIGN	1/2" THICK LAMINATED SAFTEY GLASS, LOW IRON WITH CUSTOM PRINTED INTERLAYER	CUSTOM ARTWORK: TBD	THICKNESS: 1/2"		KEVIN CLEARY - 203-733-9429 KEVIN@ONE10DESIGNSHARE.COM	LOBBY WINDOW INTO DINING
GL-2	088113	GLASS PANELS	GLASS	SKYLINE DESIGN	1/2" THICK LAMINATED SAFTEY GLASS, LOW IRON WITH CUSTOM PRINTED INTERLAYER (SO#536876-002 CUSTOM LEAVES PATTERN)	SEE PRODUCT INFO	THICKNESS: 1/2"		KEVIN CLEARY - 203-733-9429 KEVIN@ONE10DESIGNSHARE.COM	FOUNDER'S ROOM
GL-3	088113	GLASS PANELS	GLASS	SKYLINE DESIGN	1/2" THICK LAMINATED SAFTEY GLASS, LOW IRON WITH CUSTOM PRINTED INTERLAYER	CUSTOM ARTWORK: TBD	THICKNESS: 1/2"		KEVIN CLEARY - 203-733-9429 KEVIN@ONE10DESIGNSHARE.COM	TREE OF LIFE
ARCHITECTURAL/ MISCELLANEOUS										
TPT-1	102113.17	TOILET PARTITIONS	SOLID PLASTIC	ASI GLOBAL PARTITIONS	HDPE SOLID	#9513 METALLIC	BRONZE (HAMMERED)		JIM KELAHER - 860-930-5034 JIM@KELAHER.NET	PUBLIC MULTI-STALL RESTROOMS
LOCKER-1	105113	METAL LOCKERS	METAL	ASI STORAGE SOLUTIONS	TRADITIONAL DOUBLE TIER LOCKER	#25 GRAY (INCLUDING NON EXPOSED BODY PARTS)	12"W X 18"D X 72"H (ADD 4" FOR ZEE BASE)		JIM KELAHER - 860-930-5034 JIM@KELAHER.NET	STAFF LOUNGE
DP-1	102219	DEMOUNTABLE PARTITIONS	ALUM/GLASS	DHIVE	FULL HEIGHT SINGLE-GLAZED 3/8" THICK CLEAR FRAMED GLASS FRONTS WITH ONE HORIZONTAL TRANSOM	OIL-RUBBED BRONZE POWDER COAT FRAMING	SEE DRAWINGS	SLIDING DOOR SYSTEM WITH HYDRAULIC BRAKES, ROCKWOOD RM3301 36" US1DB LADDER PULLS (3 PASSAGE) AND ROCKWOOD LP3301 DBV 45" US10B LOCKING LADDER PULLS DEADBOLT UP, SFIC HOUSING ONLY (2 OFFICE)	JULIA ROSENLOW - 917-685-8484 JULIA.ROSENLOW@DYNAMICHIVE.COM	FOUNDERS ROOM, GIFT SHOP, SALON, CONFERENCE ROOM
FGP-1	102239.13	FOLDING GLASS-PANEL PARTITIONS	ALUM/GLASS	AVANTI	MOVARE MOVABLE SINGLE GLAZED FULL HEIGHT SINGLE-GLAZED 3/8" THICK CLEAR FRAMELESS ALUMINUM GLASS FRONTS	RAL 1247 BRONZE POWDER COAT FRAMING	SEE DRAWINGS	MANUALLY OPERATED INDIVIDUAL PANELS.	AVANTI SYSTEMS, INC. (877) 282-6843 SALES@AVANTISYSTEMS.COM	GIFT SHOP & SALON

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FINISH KEY

CODE	SPEC SECTION	APPLICATION	MATERIAL	MANUFACTURER	PRODUCT	COLOR	FINISH DIMENSIONS	REMARKS	CT ARCH REP CONTACT	LOCATION
WALL PROTECTION										
CG-1	102600	WALLS	CORNER GUARDS	IN-PRO	ALUMINUM CORNER GUARD	BRONZE ANODIZED ALUMINUM	1/2" LEG; 12' LENGTH	CORNER GUARD TO START AT TOP OF WALL BASE AND CONTINUE TO CEILING	STACY SNELL - 857-292-2116 SSNELL@INPROCORP.COM	WHERE NOTED ON DOCUMENTS
CG-2	066400	WALLS	CORNER GUARDS	MARLITE	PVC OUTSIDE CORNER GUARD #M961	P-145 SILVER	8' AND 10' LONG		JAMIE MCEDWARD - 330-260-7627 JMCEDWARD@MARLITE.COM	KITCHEN/ MAINTENANCE SHOP/ CORRIDORS
FRP-1	066400	WALLS	FIBER-REINFORCED PLASTIC	MARLITE	STANDARD FRP PANELS	P-145 SILVER	4 X 10, 4 X 8 PANELS		JAMIE MCEDWARD - 330-260-7627 JMCEDWARD@MARLITE.COM	KITCHEN/ MAINTENANCE SHOP/ CORRIDORS WHERE NOTED
WINDOW TREATMENT										
WT-1	122413	WINDOWS	WINDOW SHADE FABRIC SELECTION	MECHOSHADE	MECHANISM: MANUAL MECHO/5 FABRIC: ECOVEIL SHEER 6750 SERIES (3% OPEN)	6756 ADOBE FASCIA COLOR: TO MATCH SHADE		SHADES WITHIN INDIVIDUAL WINDOWS	DAVID SHANNON - 978-443-4911 X12 DAVID.SHANNON@SHANNONCORPORATION.COM	WHERE NOTED
WT-2	122413	WINDOWS	WINDOW SHADE FABRIC SELECTION	MECHOSHADE	MECHANISM: MANUAL MECHO/7 FABRIC: ECOVEIL SHEER 6750 SERIES (3% OPEN)	6756 ADOBE FASCIA COLOR: TO MATCH SHADE		SHADES WITHIN INDIVIDUAL WINDOWS	DAVID SHANNON - 978-443-4911 X12 DAVID.SHANNON@SHANNONCORPORATION.COM	WHERE NOTED
WT-3	122413	WINDOWS	WINDOW SHADE FABRIC SELECTION	MECHOSHADE	MECHANISM: MOTORIZED MECHO/7 FABRIC: ECOVEIL SHEER 6750 SERIES (3% OPEN)	6756 ADOBE		SHADE POCKET. REFER TO DETAIL ON DRAWINGS.	DAVID SHANNON - 978-443-4911 X12 DAVID.SHANNON@SHANNONCORPORATION.COM	WHERE NOTED
WT-4	122413	WINDOWS	WINDOW SHADE FABRIC SELECTION	MECHOSHADE	MECHANISM: DUAL MANUAL MECHO/5 FABRIC #1: ECOVEIL SHEER 6750 SERIES (3% OPEN) FABRIC #2: CLASSIC BLACKOUT	FABRIC #1: 6756 ADOBE FABRIC #2: 0706 OYSTER FASCIA COLOR: TO MATCH SHADE		SHADES WITHIN INDIVIDUAL WINDOWS	DAVID SHANNON - 978-443-4911 X12 DAVID.SHANNON@SHANNONCORPORATION.COM	WHERE NOTED
DRP-1	122200	WINDOWS	DRAPERY FABRIC	P/KAUFMAN	SIDEBAR SHEER	LINEN	WIDTH: 118"	PINCH PLEAT HEADER, 200% FULLNESS	CAITLIN CALLAHAN - 617-448-0328 CAITLIN@DECORATIVEBLOCKASSOC.COM	DINING ROOM
MTL-DRP-1	108211	CEILING	METAL DRAPERY	CASCADE COIL	FABRICOIL, 3/16" WEAVE; 19 GAUGE STEEL	PC-ANTIQUE BRONZE	TBD		ADIS MUSTEDANAGIC - 503-563-6319 ADIS@CASCADECOIL.COM	DINING ROOM
FLOORING										
CPT-1	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
CPT-2	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
CPT-3	096813	FLOORS	BROADLOOM CARPET	MANNINGTON	MOSO BROADLOOM	BROOM 42332	12'-6" WIDE ROLL	INSTALLATION: INSTALL RANDOM AT SEAMS BACKING: INTEGRA HP	KEVIN O'BRYAN - 314-276-3012 KEVIN.O'BRYAN@MANNINGTON.COM	RAMP
WOM-1	096813	FLOORS	WALK OFF MAT - CARPET TILE	SHAW CONTRACT	PATH TILE 5T034	PORTABELLA 34761	TILE SIZE: 24"X24"	INSTALLATION METHOD: TBD BACKING: ECOWORX	RICK GONDON - 800-424-7429 x 6556 860-209-0698. RICHARD.GONDON@SHAWINC.COM	ENTRANCE VESTIBULES
LVT-1	096519	FLOORS	LUXURY VINYL TILE	SHAW CONTRACT	TERRACE 5.0 MM 4216V	08120 PATH	5 MM THICK TILE SIZE: 11.81 X 23.6"	INSTALLATION PATTERN: TBD 20 MIL WEARLAYER DIRECT GLUE	RICK GONDON - 800-424-7429 x 6556 860-209-0698. RICHARD.GONDON@SHAWINC.COM	GENERAL LUXURY VINYL TILE
LVT-2	096519	FLOORS	LUXURY VINYL TILE	SHAW CONTRACT	SOUNDSCAPE 5.0 MM 4063V	63121 SILK	5 MM THICK TILE SIZE: 6"X48"	INSTALLATION PATTERN: TBD 20 MIL WEARLAYER DIRECT GLUE	RICK GONDON - 800-424-7429 x 6556 860-209-0698. RICHARD.GONDON@SHAWINC.COM	ACCENT LUXURY VINYL TILE
LVT-3	096519	FLOORS	LUXURY VINYL TILE	MILLIKEN	LUMENOLOGY LIGHT STITCH	LLS126 GAMMA	5 MM THICK TILE SIZE: 9.84 X 39.37" (25CM X 100CM)	WEARLAYER: 22 MIL (0.55 MM) INSTALLATION METHOD: TBD	JANIS NEWELL - 860-490-0239 JANIS.NEWELL@MILLIKEN.COM	CREATIVITY STUDIO
LVT-4	096519	FLOORS	LUXURY VINYL TILE	SHAW CONTRACT	SOLITUDE 5.0MM 0648V	48250 NATURAL	5.0 MM THICK TILE SIZE: 6"X48"	INSTALLATION PATTERN: TBD 20 MIL WEARLAYER DIRECT GLUE	RICK GONDON - 800-424-7429 x 6556 860-209-0698. RICHARD.GONDON@SHAWINC.COM	ACCENT LUXURY VINYL TILE
SDT-1	096536	FLOORS	STATIC DISSIPATIVE TILE	ARMSTRONG FLOORING	EXCELON SDT	51960 BEACH	12" X 12" X 1/8" (3.2 MM)	EXCLUSIVE 4-PART SYSTEM: EXCELON SDT TILE, S-202 SDT ADHESIVE, COPPER GROUNDING STRIPS, S-392 STATIC DISSIPATIVE POLISH	LISA DESJARDINS - 617-800-4720 LDESJARDINS@ARMSTRONGFLOORING.COM	ELEC/IT SERVER
PFT-1	093013	FLOORS	PORCELAIN FLOOR TILE	CREATIVE MATERIALS	BALLIOL	COLOR: SAND FINISH: NATURAL	TILE SIZE: 12"X24, THICKNESS: 10 MM	GROUT JOINT: 3/16" GROUT: OVERLAP SHOULD NOT EXCEED 33% WHEN INSTALLING TILE IN A STAGGERED BRICK-JOINT PATTERN.	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	RESTROOM FLOORING
PFT-2	093013	FLOORS	PORCELAIN FLOOR TILE	MOSA	CORE COLLECTION - SOLIDS	CLAY GREY 5104	TILE SIZE: 11.69" X 23.50" (297MM X 597MM) THICKNESS: 0.47" (12 MM)	GROUT JOINT: TBD GROUT: TBD	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	STAIR BETWEEN GROUND AND 1ST FLOOR
QT-1	093013	FLOORS	QUARRY TILE	DALTILE	QUARRY TEXTURES FLOOR TILE	ASHEN GRAY OT03, MATTE FINISH	TILE SIZE: 8"X 8" THICKNESS: 1/2"	GROUT JOINT: 3/8" GROUT: TBD ALIGN GROUT LINES WITH QUARRY FLOOR TILES.	CLEO GALANOS - 203-233-8585 CLEO.GALANOS@DALTILE.COM	DISPLAY KITCHEN
QT-2	093013	FLOORS	QUARRY TILE	DALTILE	QUARRY TEXTURES	MATCHING EXISTING	TILE SIZE: 8"X 8" THICKNESS: 1/2"	GROUT JOINT: 3/8" GROUT: TBD ALIGN GROUT LINES WITH QUARRY FLOOR TILES.	CLEO GALANOS - 203-233-8585 CLEO.GALANOS@DALTILE.COM	BACK OF HOUSE KITCHEN
SCONC-01	099723	FLOORS	CONCRETE SEALER	RETROPLATE ADVANCE FLOOR PRODUCTS, INC.	RETROSHIELD				WWW.RETROPLATESYSTEM.COM 801-812-3420	MAINTENANCE SHOP, CORRIDOR 041
PST-1	093013	STAIRS	PORCELAIN STAIR TREADS	CREATIVE MATERIALS CORPORATION	ARDEN - STAIR TREAD (STRAIGHT, BULLN OSE EDGE) 48IN	BEIGE	TILE SIZE: 8" X 48" THICKNESS:10.5mm	GROUT JOINT: TBD GROUT: TBD	LISA CUPOLO - 518-701-5720 LCUPOLO@CREATIVEMATERIALSCORP.COM	STAIR BETWEEN GROUND AND 1ST FLOOR
CEILING										
ACT-1	095113	CEILINGS	ACOUSTICAL CEILING TILE	ARMSTRONG	CANYON BEVELED TEGULAR CEILING TILE	WHITE	TILE SIZE: 2'-0" X 2'-0"	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION. PERFORMANCE DATA: MINERAL FIBER, NRC: 0.60, CAC: 35	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	WHERE NOTED ON DOCUMENTS
ACT-2A	095113	CEILINGS	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA BEVELED TEGULAR CEILING TILE	WHITE	TILE SIZE: 2'-0" X 2'-0"	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION. PERFORMANCE DATA: FIBERGLASS; NRC: 0.95, NO CAC	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	WHERE NOTED ON DOCUMENTS
ACT-2B	095113	CEILINGS	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA BEVELED TEGULAR CEILING TILE	WHITE	TILE SIZE: 2'-0" X 4'-0"	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION. PERFORMANCE DATA: FIBERGLASS; NRC: 0.95, NO CAC	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	WHERE NOTED ON DOCUMENTS
ACT-2C	095113	CEILINGS	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA BEVELED TEGULAR CEILING TILE	WHITE	TILE SIZE: 4'-0" X 4'-0"	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION. PERFORMANCE DATA: FIBERGLASS; NRC: 0.95, NO CAC	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	WHERE NOTED ON DOCUMENTS
ACT-3A	095113	CEILINGS	ACOUSTICAL CEILING TILE (KITCHEN)	ARMSTRONG	ULTIMA HEALTH ZONE SQUARE LAY-IN CEILING TILE	WHITE	TILE SIZE: 2'-0" X 2'-0"	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION. PERFORMANCE DATA: NRC: 0.70; CAC: 38	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	DISPLAY KITCHEN
ACT-3B	095113	CEILINGS	ACOUSTICAL CEILING TILE (KITCHEN)	ARMSTRONG	ULTIMA HEALTH ZONE SQUARE LAY-IN CEILING TILE	WHITE	TILE SIZE: 2'-0" X 4'-0"	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION.	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	BACK OF HOUSE KITCHEN
ACT-4	095113	CEILINGS	ACOUSTICAL CEILING TILE (SUN ROOM)	ARMSTRONG	ULTIMA VECTOR TILE	WHITE	24" X 24" X 3/4" THICK	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION. PERFORMANCE DATA: NRC: 0.70; CAC: 33	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	SUN ROOM
WD-CLG-1	095426	CEILINGS	WOOD CEILING GRILLE (RECEPTION)	ARMSTRONG	WOODWORKS GRILLE 7265	CUSTOM TO MATCH INTERIOR DESIGNER'S CONTROL SAMPLE	DIMENSIONS: 12"X96" X 2-3/4" (6 SLATS AT 5/8"W X 2 1/4"H	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION.	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	MAIN LOBBY ENTRANCES
WD-CLG-2	095426	CEILINGS	WOOD CEILING (GREENHOUSE)	ARMSTRONG	WOODWORKS CHANNELED VECTOR PANELS WITH W7 PERFORATION	CUSTOM TO MATCH INTERIOR DESIGNER'S CONTROL SAMPLE	DIMENSIONS: 12" X 48" X 11/16" THICK	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION. PERFORMANCE DATA: NRC: 0.75; NO CAC	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	GREENHOUSE CEILING
MTL-CLG-1	095423	CEILINGS	METAL CEILING TILE	ARMSTRONG	METALWORKS - LINEAR SYNCRHO STANDARD CEILING PLANKS	EFFECTS NUTMEG	TBD	CEILING GRID: REFER TO ARCHITECTURAL PLANS AND SPEC FOR GRID INFORMATION.	SANDRA NIESYN - 860.490.5604 SKNIESYN@ARMSTRONGCEILINGS.COM	METAL ACCENT CEILING (WOOD PLANK LOOK)

DRAWING SYMBOL LEGEND

SYMBOL	
NAME / NUMBER / WALL / BASE / FLOOR	ROOM FINISH TAG
	WALL FINISH TAG
	FINISH DIRECTION SYMBOL
	FINISH TRANSITION SYMBOL
1 Ref / A101	ELEVATION TAG
1 / A101 / SIM	SECTION TAG

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ID-200	ROOM FINISH SCHEDULES
ID-301	ENLARGED - TOWER ONE LOBBY
ID-302	ENLARGED - SUN ROOM & MEETING ROOM
ID-303	ENLARGED - ELEV LOBBY - SOUTH
ID-304	ENLARGED - GIFT SHOP & SALON
ID-305	ENLARGED - MULTI-STALL TOILET ROOMS
ID-306	ENLARGED - DINING ROOM
ID-307	ENLARGED - DINING ELEVATIONS
ID-308	ENLARGED - DINING ELEVATIONS
ID-309	ENLARGED PLAN - ELM GRILLE PRIVATE DINING
ID-310	ENLARGED - SANCTUARY & FELLOWSHIP
ID-311	ENLARGED PLANS - TOWER EAST LOUNGE
ID-312	ENLARGED - TOWER EAST LOBBY
ID-313	ENLARGED - CREATIVITY STUDIO AND STAFF LOUNGE
ID-314	ENLARGED - KITCHEN
ID-400N	FURNITURE PLAN - NORTH
ID-400S	FURNITURE PLAN - SOUTH
ID-500	FINISH DETAILS
ID-501	MILLWORK DETAILS - DESKS
ID-502	MILLWORK DETAILS - DESKS
ID-503	MILLWORK DETAILS
ID-504	MILLWORK DETAILS
ID-505	MILLWORK DETAILS
ID-506	MILLWORK DETAILS

Grand total: 28

2

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND SHALL REPORT ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF WORK.
2. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CODES, ORDINANCES, AND REGULATIONS APPLICABLE AT PROJECT LOCATION, AND IS RESPONSIBLE FOR FILING AND SECURING ALL NECESSARY PERMITS, APPROVALS, INSPECTIONS, ETC. FOR ALL TRADES.
3. CONTRACTOR IS TO OVERSEE CLEANING OF THE PREMISES AND RUBBISH REMOVAL DURING AND AT CONCLUSION OF CONSTRUCTION. FINAL CLEANUP IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR AND HIS WORKMEN SHALL EXERCISE CAUTION TO PROTECT THE OWNER'S PROPERTY FROM DUST AND DAMAGE. THE COST OF ANY REPAIRS TO OWNER'S PROPERTY SHALL BE BORN BY THE CONTRACTOR.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING FOR ELEVATORS, HOISTING FACILITIES, PARKING, ETC. FOR THE HANDLING OF MATERIALS AND FOR WORKMEN'S ACCESS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING TOOLS, MATERIALS AND THE SITE ON A DAILY BASIS.
7. THE TERM PROVIDE SHALL MEAN TO FURNISH, INSTALL AND CONNECT COMPLETELY IN THE SPECIFIED, OR AN APPROVED MANNER, THE ITEM OR MATERIAL DESCRIBED.
8. ALL WORK IS TO CONFORM WITH DRAWINGS AND SPECIFICATIONS. DRAWINGS ARE NOT TO BE SCALED FOR INFORMATION.
9. AT THE TERMINATION OF WORK, SUBMIT TO OWNER A COMPLETE MAINTENANCE MANUAL PRESENTING FULL DETAILS FOR CARE AND MAINTENANCE OF FINISHES, SURFACES AND EQUIPMENT.
10. THE CONTACTOR MUST VISIT THE SITE PRIOR TO SUBMITTING A BID. SPECIAL CONSIDERATION MUST BE GIVEN TO THE SECURITY OF THE FACILITY AND THE SAFETY OF THE OCCUPANTS. RIGGING, STORAGE AND ALL ASSOCIATED COSTS MUST BE INCLUDED IN THE BID.
11. ALL FINISHES SHALL BE APPLIED/INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR THE INSTALLATION SUBSTRATE.
12. PREPARE EXISTING FLOOR SUBSTRATE AS REQUIRED FOR INSTALLATION OF SCHEDULED FLOOR FINISHES.
13. FLOOR MUST BE CLEAR OF ALL DUST AND DEBRIS PRIOR TO FLOORING INSTALLATION TO ENSURE PROPER ADHESION TO SLAB.

N

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

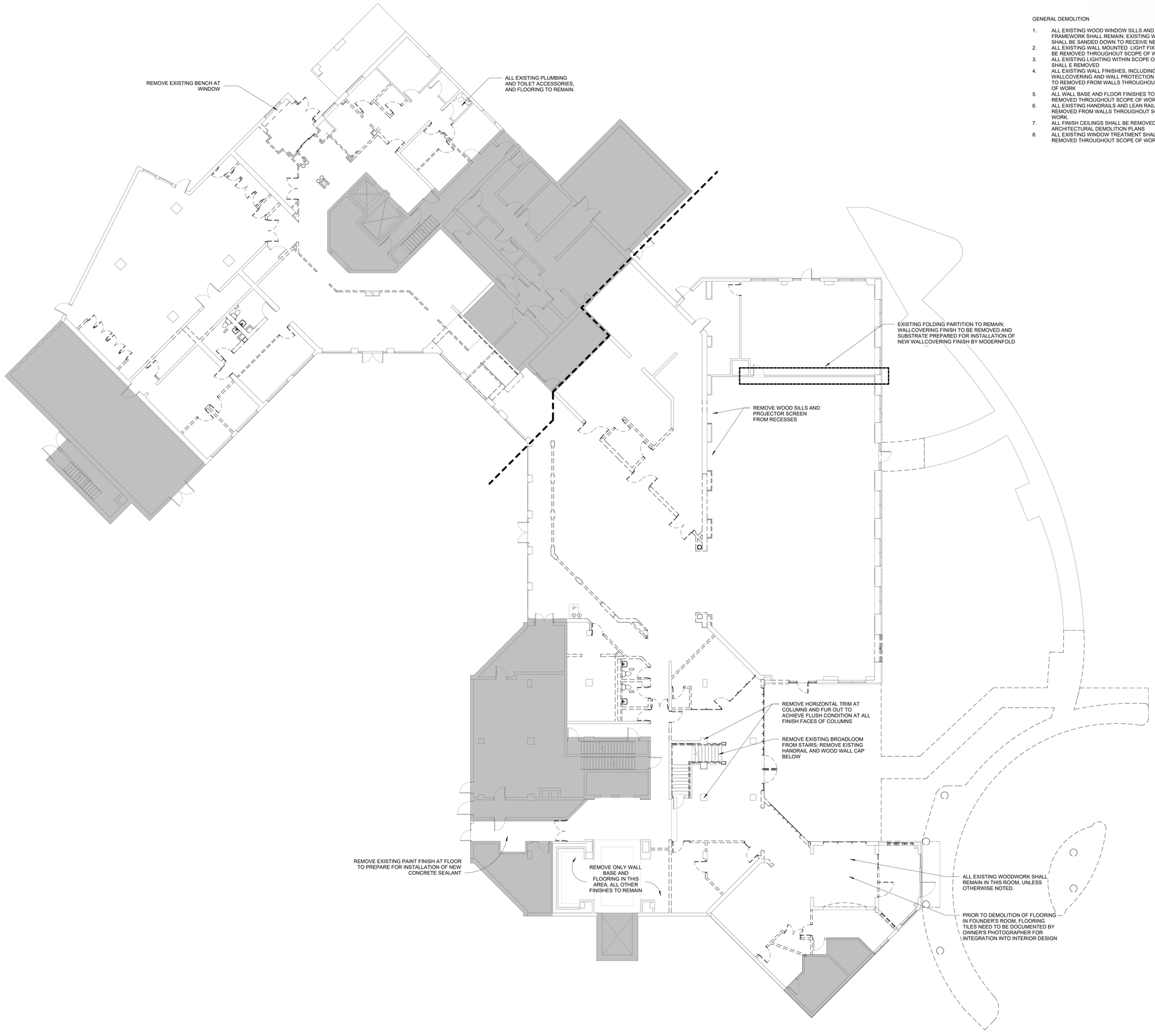
PROJECT ADDRESS:
18 TOWER LANE NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
DRAWING NOTES & FINISH KEY

SCALE:	DRAWN BY:
As indicated	CT
DATE: 9/23/2022	CHECKED BY: RC

DRAWING NUMBER:
ID-001



A1 00 - GROUND FLOOR DEMO PLAN
3/32" = 1'-0"

GENERAL DEMOLITION

1. ALL EXISTING WOOD WINDOW SILLS AND FRAMEWORK SHALL REMAIN; EXISTING WOOD SHALL BE SANDED DOWN TO RECEIVE NEW FINISH.
2. ALL EXISTING WALL MOUNTED LIGHT FIXTURES TO BE REMOVED THROUGHOUT SCOPE OF WORK
3. ALL EXISTING LIGHTING WITHIN SCOPE OF WORK SHALL E REMOVED
4. ALL EXISTING WALL FINISHES, INCLUDING WALLCOVERING AND WALL PROTECTION MATERIAL TO REMOVED FROM WALLS THROUGHOUT SCOPE OF WORK
5. ALL WALL BASE AND FLOOR FINISHES TO BE REMOVED THROUGHOUT SCOPE OF WORK
6. ALL EXISTING HANDRAILS AND LEAN RAILS TO BE REMOVED FROM WALLS THROUGHOUT SCOPE OF WORK.
7. ALL FINISH CEILINGS SHALL BE REMOVED PER ARCHITECTURAL DEMOLITION PLANS
8. ALL EXISTING WINDOW TREATMENT SHALL BE REMOVED THROUGHOUT SCOPE OF WORK.

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
DEMOLITION FINISH PLAN

SCALE: **3/32" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-002

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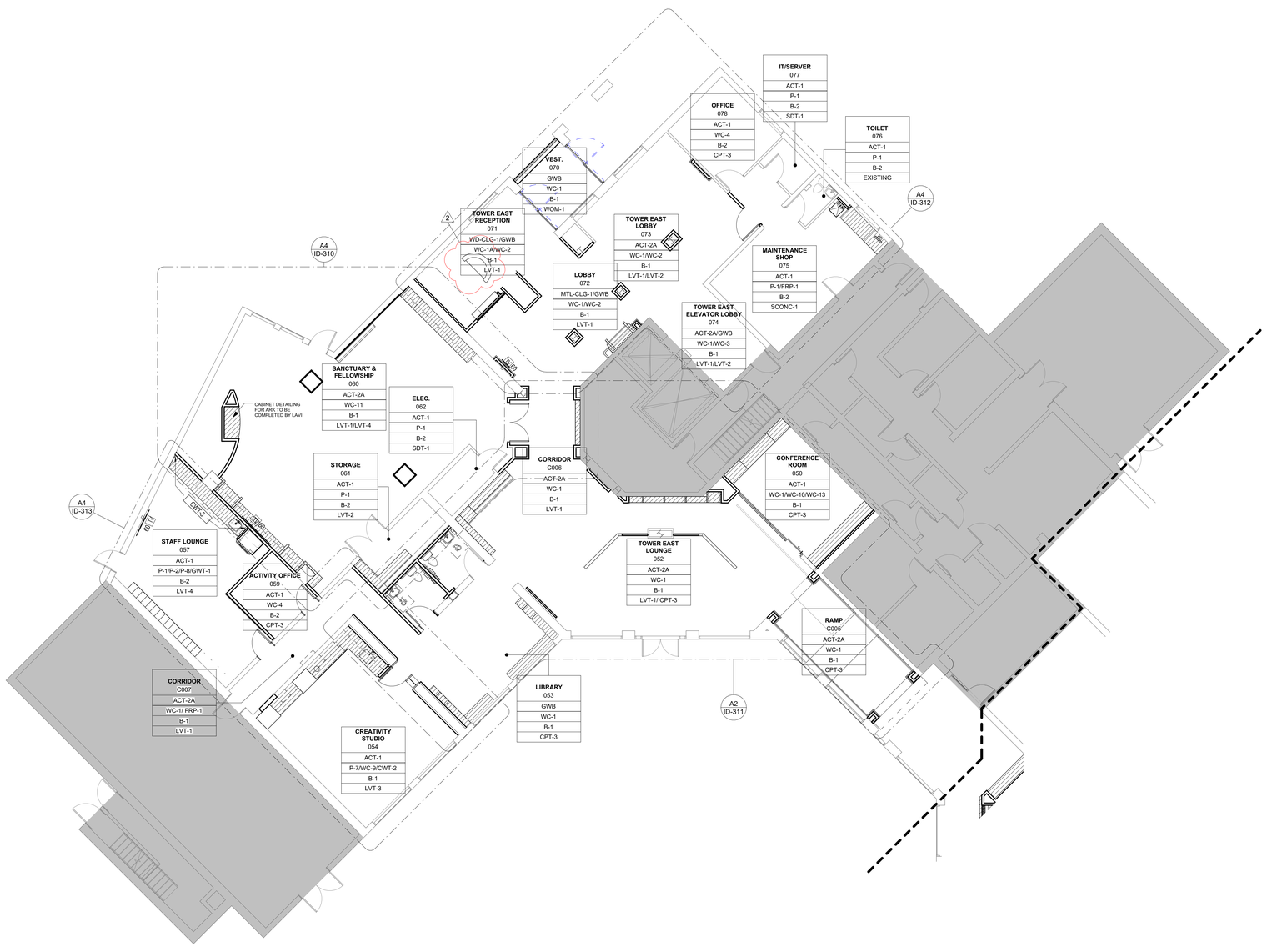
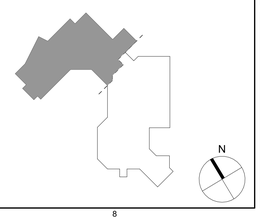


A1 00 - FINISH PLAN - N
1/8" = 1'-0"

FINISH NOTES:

1. REFER TO ROOM FINISH SCHEDULE FOR CEILING FINISH LOCATIONS; REFER TO FINISH KEY FOR SPECIFICATION.
2. ALL INTERIOR DOORS SHALL BE PAINTED P-5, UNLESS OTHERWISE NOTED.
3. ROOM FINISH TAGS AND SCHEDULES SHOW GENERAL FINISHES BY ROOM. REFER TO FINISH PLANS AND ELEVATIONS FOR LOCATIONS AND EXTENTS OF ACCENT AND SPECIALTY FINISHES.
4. PRIOR TO PREFERRED VENDOR'S FLOORING AND WALL FINISH INSTALLATION DRAWINGS, CONSULTATION SHOULD OCCUR WITH INTERIOR DESIGNER TO DISCUSS PRODUCTS PREFERRED ORIENTATION DIRECTION FOR PATTERN AND SHEET SIZING.
5. ALWAYS ALIGN FLOOR TILE AND WALL TILE GROUT LINES WHEREVER POSSIBLE; IF ALIGNMENT IS NOT POSSIBLE, CONTRACTOR TO CONSULT WITH INTERIOR DESIGNER FOR GROUT LINE PLACEMENT.
6. SOME TELEVISIONS SHOWN FOR DESIGN INTENT ONLY. REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS.
7. REFER TO ELECTRICAL PLANS FOR ALL POWER LOCATIONS. ALL POWER RECEPTACLES NEED TO BE COORDINATED WITH MILLWORK. REFER TO MILLWORK DETAILS/ ELEVATIONS FOR PREFERRED MOUNTING HEIGHTS. COORDINATE WITH ELECTRICAL DRAWINGS.
8. REFER TO ARCHITECTS DRAWINGS FOR ALL INTERIOR PARTITIONS. REFER TO TO INTERIOR DESIGN DRAWINGS FOR ALL APPLIED FINISHES.
9. REFER TO ARCHITECTURAL DRAWINGS FOR TOILET ACCESSORIES AND MOUNTING HEIGHTS
10. REFER TO ELECTRICAL DRAWINGS FOR INTERIOR LIGHTING REQUIREMENTS.
11. REFER TO PLUMBING DRAWINGS FOR ALL PLUMBING FIXTURE SPECIFICATIONS AND LOCATIONS.
12. REFER TO FINISH KEY ON SHEET ID-00.1. FOR ALL FINISH SPECIFICATIONS.
13. REFER TO ROOM FINISH SCHEDULE FOR ALL TYP CEILING, WALL, BASE, FLOOR, AND WINDOW TREATMENT FINISHES. REFER TO FINISH PLANS AND ELEVATIONS FOR ADDITIONAL INFORMATION, INCLUDING PATTERNING AND ACCENT FINISH LOCATIONS.
14. ALL FINISHES SHALL BE APPLIED/INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR THE PARTICULAR SUBSTRATE FOR INSTALLATION.
15. PREPARE EXISTING FLOOR SUBSTRATE AS REQUIRED FOR INSTALLATION OF SCHEDULED FLOOR FINISH. WHERE NEW FLOORING WILL BE INSTALLED, EXISTING SLAB SHALL BE FLASH PATCHED AND LEVELED AS REQUIRED TO ALLOW FOR SMOOTH AND LEVEL SUBSTRATE IN PREPARATION FOR NEW FLOOR INSTALLATION.
16. ALKALINITY AND ADHESION TESTING: PERFORM TESTS RECOMMENDED BY MANUFACTURER; PROCEED WITH FLOORING INSTALLATION ONLY AFTER SUBSTRATES PASS TESTING.
17. WHERE FLOOR FINISHES CHANGE AT A DOOR, THE LINE OF TRANSITION SHALL BE AT THE CENTERLINE OF THE DOOR, UNLESS OTHERWISE NOTED.
18. FLOOR MUST BE CLEAR OF ALL DUST AND DEBRIS PRIOR TO FLOORING INSTALLATION TO ENSURE PROPER ADHESION TO SLAB.
19. ALL GYPSUM BOARD CEILINGS AND SOFFIT CONSTRUCTION SHALL RECEIVE PAINT P-CLG, UNLESS OTHERWISE NOTED.
20. PROVIDE LEVEL 5 FINISH AT ALL PARTITIONS TO RECEIVE WALLCOVERING.

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
GROUND FLOOR NORTH - FINISH PLAN

SCALE: **As indicated**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-100N

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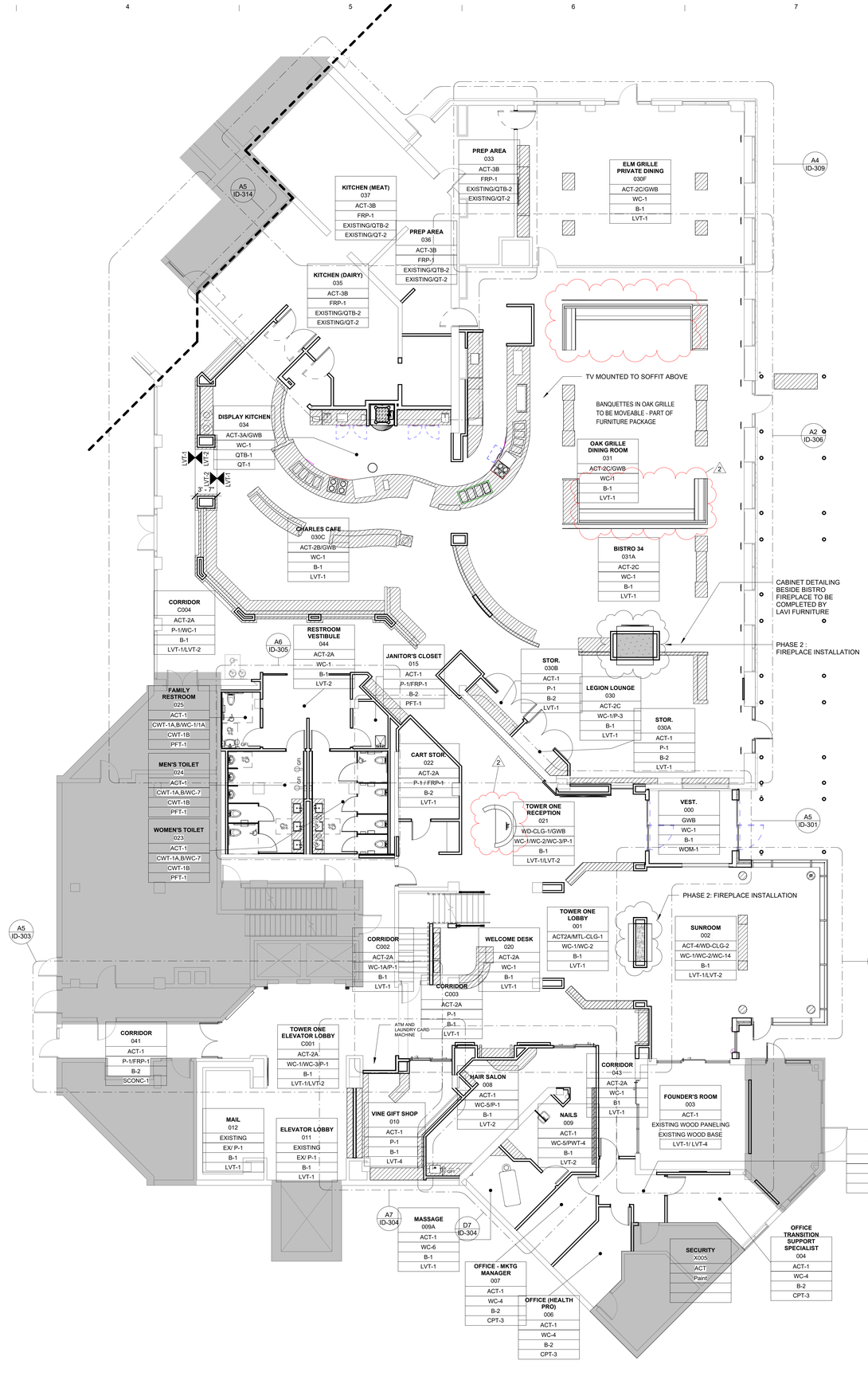

A3 00 - FINISH PLAN - S
1/8" = 1'-0"

FINISH NOTES:

1. REFER TO ROOM FINISH SCHEDULE FOR CEILING FINISH LOCATIONS; REFER TO FINISH KEY FOR SPECIFICATION.
2. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR THRESHOLD TRANSITION DETAILS. MM TO CONFIRM.
3. ALL INTERIOR DOORS SHALL BE PAINTED P-5, UNLESS OTHERWISE NOTED.
4. ROOM FINISH TAGS AND SCHEDULES SHOW GENERAL FINISHES BY ROOM. REFER TO FINISH PLANS AND ELEVATIONS FOR LOCATIONS AND EXTENTS OF ACCENT AND SPECIALTY FINISHES.
5. PRIOR TO PREFERRED VENDOR'S FLOORING AND WALL FINISH INSTALLATION DRAWINGS, CONSULTATION SHOULD OCCUR WITH INTERIOR DESIGNER TO DISCUSS PRODUCTS PREFERRED ORIENTATION/ DIRECTION FOR PATTERN AND SHEET SIZING.
6. ALWAYS ALIGN FLOOR TILE AND WALL TILE GROUT LINES WHEREVER POSSIBLE. IF ALIGNMENT IS NOT POSSIBLE, CONTRACTOR TO CONSULT WITH INTERIOR DESIGNER FOR GROUT LINE PLACEMENT.
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9. REFER TO ARCHITECTS DRAWINGS FOR ALL INTERIOR PARTITIONS. REFER TO TO INTERIOR DESIGN DRAWINGS FOR ALL APPLIED FINISHES.
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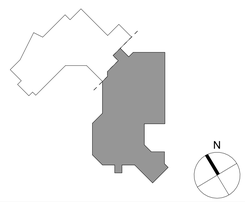
21. PROVIDE LEVEL 5 FINISH AT ALL PARTITIONS TO RECEIVE WALLCOVERING.

KEYPLAN



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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
GROUND FLOOR SOUTH - FINISH PLAN

SCALE: **As indicated**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
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MASTER - ROOM FINISH SCHEDULE - PLAN NORTH

Number	Name	Ceiling Finish	Wall Finish	Base Finish	Floor Finish	Window Treatment	Comments
050	CONFERENCE ROOM	ACT-1	WC-1/WC-10/WC-13	B-1	CPT-3		
052	TOWER EAST LOUNGE	ACT-2A	WC-1	B-1	LVT-1/ CPT-3		
053	LIBRARY	GWB	WC-1	B-1	CPT-3		UPHOLSTERED PAD ON WINDOW SEAT
054	CREATIVITY STUDIO	ACT-1	P-7/WC-9/CWT-2	B-1	LVT-3		COMBINATION OF LOWER AND UPPER CABINETRY, SOME FULL HEIGHT CLOSED CABINETS; COUNTERTOP CONTAINS SINK
057	STAFF LOUNGE	ACT-1	P-1/P-2/P-8/GWT-1	B-2	LVT-4		COMBINATION OF LOWER AND UPPER CABINETRY; COUNTERTOP CONTAINS SINK
059	ACTIVITY OFFICE	ACT-1	WC-4	B-2	CPT-3		
060	SANCTUARY & FELLOWSHIP	ACT-2A	WC-11	B-1	LVT-1/LVT-4	WT-4	WOOD VENEER AT ALL MILLWORK; LOWER AND UPPER CABINETRY; FULL HEIGHT SHELVING WITH SLIDING DOORS; ARK IS METAL DOOR WITH LAVI FURNITURE DESIGNED CABINET BEHIND
061	STORAGE	ACT-1	P-1	B-2	LVT-2		
062	ELEC.	ACT-1	P-1	B-2	SDT-1		
063	TOILET	ACT-1	WC-12	CTB-1	PFT-1		
064	TOILET	ACT-1	WC-15	CTB-1	PFT-1		
070	VEST.	GWB	WC-1	B-1	WOM-1		
071	TOWER EAST RECEPTION	WD-CLG-1/ GWB	WC-1A/WC-2	B-1	LVT-1	WT-1	RECEPTION DESK BY ARNOLD CONTRACT FURNITURE WWITH LAMINATE FRONT AND SLID SURFACE WORKSURFACES
072	LOBBY	MTL-CLG-1 /GWB	WC-1/WC-2	B-1	LVT-1		CUSTOM ARMREST; SS EDGE DETAIL; SEAT UPHOLSERY TBD
073	TOWER EAST LOBBY	ACT-2A	WC-1/WC-2	B-1	LVT-1/LVT-2	WT-1	
074	TOWER EAST ELEVATOR LOBBY	ACT-2A/G WB	WC-1/WC-3	B-1	LVT-1/LVT-2		
075	MAINTENANCE SHOP	ACT-1	P-1/FRP-1	B-2	SCONC-1	WT-1	OPEN SPACE BELOW COUNTER; ONE OPEN LOWER CABINET WITH ROLL OUT PRINTER TRAY AND OPEN SHELF FOR PRINTER SUPPLIES
076	TOILET	ACT-1	P-1	B-2	EXISTING		
077	IT/SERVER	ACT-1	P-1	B-2	SDT-1		
078	OFFICE	ACT-1	WC-4	B-2	CPT-3	WT-1	
C005	RAMP	ACT-2A	WC-1	B-1	CPT-3		
C006	CORRIDOR	ACT-2A	WC-1	B-1	LVT-1		
C007	CORRIDOR	ACT-2A	WC-1/ FRP-1	B-1	LVT-1		

MASTER - ROOM FINISH SCHEDULE - PLAN SOUTH

Number	Name	Ceiling Finish	Wall Finish	Base Finish	Floor Finish	Window Treatment	Comments
000	VEST.	GWB	WC-1	B-1	WOM-1		
001	TOWER ONE LOBBY	ACT2A/MTL-C LG-1	WC-1/WC-2	B-1	LVT-1		MILLWORK BASE(PLAM BASE WITH SS CAP) SHALL CONCEAL BASE OF FLOOR LAMP AND ASSOCIATED LIGHT SOURCE.
002	SUNROOM	ACT-4/WD-CL G-2	WC-1/WC-2/WC-1 4	B-1	LVT-1/LVT -2	WT-3	CREDENZA: SS TOP WITH CLOSED CABINETRY BELOW
003	FOUNDER'S ROOM	ACT-1	EXISTING WOOD PANELING	EXISTING WOOD BASE	LVT-1/ LVT-4		
004	OFFICE TRANSITION SUPPORT SPECIALIST	ACT-1	WC-4	B-2	CPT-3		
006	OFFICE (HEALTH PRO)	ACT-1	WC-4	B-2	CPT-3		
007	OFFICE - MKTG MANAGER	ACT-1	WC-4	B-2	CPT-3		
008	HAIR SALON	ACT-1	WC-5/P-1	B-1	LVT-2		COUNTERTOP CONTAINS SINK; BENCH SHALL HAVE PLAM BASE WITH UPHOLSTERED SEAT
009	NAILS	ACT-1	WC-5/PWT-4	B-1	LVT-2		SOLID SURFACE COUNTERTOP SUPPORTED WITH CONCEALED BRACKETS; NAIL POLISH SHELF TO BE WOOD WITH PLEXIGLASS SHELVES
009A	MASSAGE	ACT-1	WC-6	B-1	LVT-1		
010	VINE GIFT SHOP	ACT-1	P-1	B-1	LVT-4		
011	ELEVATOR LOBBY	EXISTING	EX/ P-1	B-1	LVT-1		
012	MAIL	EXISTING	EX/ P-1	B-1	LVT-1		
015	JANITOR'S CLOSET	ACT-1	P-1/FRP-1	B-2	PFT-1		
020	WELCOME DESK	ACT-2A	WC-1	B-1	LVT-1		
021	TOWER ONE RECEPTION	WD-CLG-1/G WB	WC-1/WC-2/WC-3 /P-1	B-1	LVT-1/LVT -2		BY ARNOLD CONTRACT FURNITURE; HDPL FRONT AND SS WORKSURFACE AND TRANSACTION TOP
022	CART STOR.	ACT-2A	P-1 / FRP-1	B-2	LVT-1		
023	WOMEN'S TOILET	ACT-1	CWT-1A,B/WC-7	CWT-1B	PFT-1		SEE FINISH PLANS FOR ACCENT WALL TILE LOCATIONS
024	MEN'S TOILET	ACT-1	CWT-1A,B/WC-7	CWT-1B	PFT-1		SEE FINISH PLANS FOR ACCENT WALL TILE LOCATIONS
025	FAMILY RESTROOM	ACT-1	CWT-1A,B/WC-1/ 1A	CWT-1B	PFT-1		SEE FINISH PLANS FOR ACCENT WALL TILE LOCATIONS
030	LEGION LOUNGE	ACT-2C	WC-1/P-3	B-1	LVT-1	WT-2	
030A	STOR.	ACT-1	P-1	B-2	LVT-1		
030B	STOR.	ACT-1	P-1	B-2	LVT-1		
030C	CHARLES CAFE	ACT-2B/GWB	WC-1	B-1	LVT-1		BANQUETTES HAVE PLAM FINISH WITH UPHOLSTERY TBD/ PARTIAL HEIGHT WALLS ARE METAL PANELS WITH SOLID SURFACE CAP.
030F	ELM GRILLE PRIVATE DINING	ACT-2C/GWB	WC-1	B-1	LVT-1	WT-2	INCLUDES TRASH BIN INSIDE CLOSED CABINET; FULL HEIGHT CABINETS WITH STORAGE
031	OAK GRILLE DINING ROOM	ACT-2C/GWB	WC-1	B-1	LVT-1	WT-2	INCLUDES TRASH BIN INSIDE CLOSED CABINET
031A	BISTRO 34	ACT-2C	WC-1	B-1	LVT-1		INCLUDES TRASH BIN INSIDE CLOSED CABINET
032	ELM GRILLE PRIVATE DINING	ACT-2C/GWB	WC-1	B-1	LVT-1	WT-2	INCLUDES TRASH BIN INSIDE CLOSED CABINET; FULL HEIGHT CABINETS WITH STORAGE
033	PREP AREA	ACT-3B	FRP-1	EXISTING/ QTB-2	EXISTING/ QT-2		
034	DISPLAY KITCHEN	ACT-3A/GWB	WC-1	QTB-1	QT-1		CURVED COUNTERTOP WITH CURVED PLAM FRONT TO CONCEAL DISPLAY KITCHEN EQUIPMENT
035	KITCHEN (DAIRY)	ACT-3B	FRP-1	EXISTING/ QTB-2	EXISTING/ QT-2		
036	PREP AREA	ACT-3B	FRP-1	EXISTING/ QTB-2	EXISTING/ QT-2		
037	KITCHEN (MEAT)	ACT-3B	FRP-1	EXISTING/ QTB-2	EXISTING/ QT-2		
041	CORRIDOR	ACT-1	P-1/FRP-1	B-2	SCONC-1		
042	VEST.	ACT-1	WC-1	B-2	CPT-3		
043	CORRIDOR	ACT-2A	WC-1	B1	LVT-1		
044	RESTROOM VESTIBULE	ACT-2A	WC-1	B-1	LVT-2		
C001	TOWER ONE ELEVATOR LOBBY	ACT-2A	WC-1/WC-3/P-1	B-1	LVT-1/LVT -2		
C002	CORRIDOR	ACT-2A	WC-1A/P-1	B-1	LVT-1		
C003	CORRIDOR	ACT-2A	P-1	B-1	LVT-1		
C004	CORRIDOR	ACT-2A	P-1/WC-1	B-1	LVT-1/LVT -2		

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
ROOM FINISH SCHEDULES

SCALE:

DRAWN BY: **CT**

DATE: **9/23/2022**

CHECKED BY: **RC**

DRAWING NUMBER:
ID-200

N

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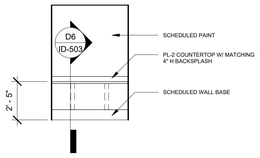
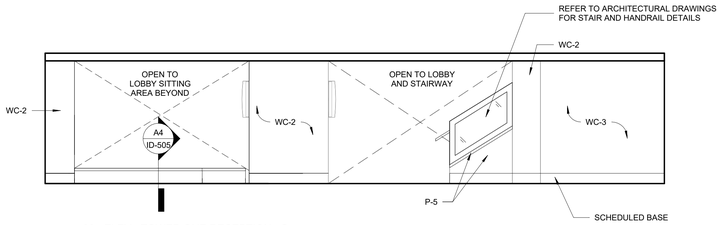
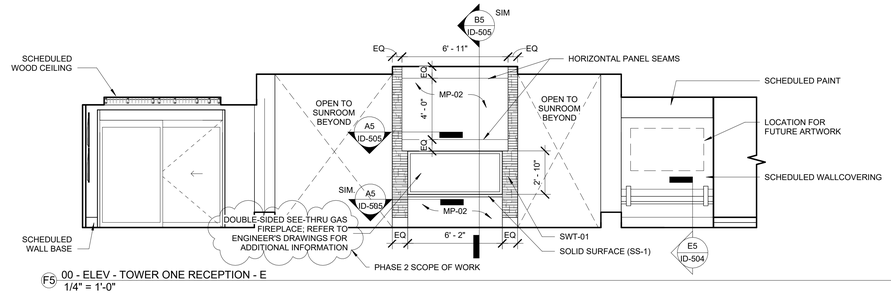


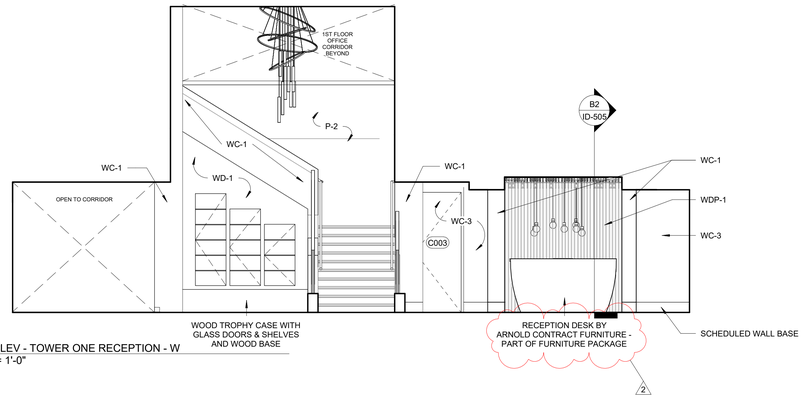
F1 00 - ELEV - FRONT DESK SUPERVISOR
1/4" = 1'-0"



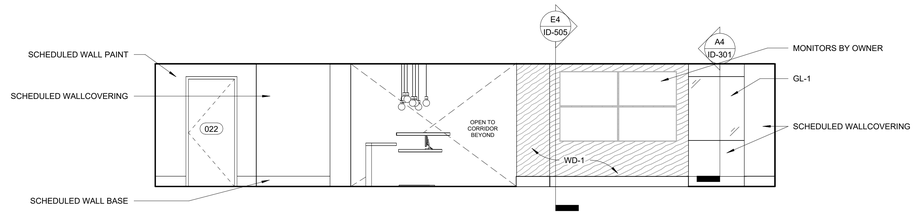
F2 00 - ELEV - TOWER ONE RECEPTION - S
1/4" = 1'-0"



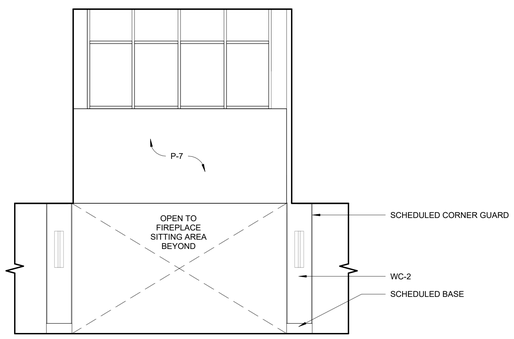
F5 00 - ELEV - TOWER ONE RECEPTION - E
1/4" = 1'-0"



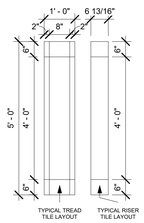
D1 00 - ELEV - TOWER ONE RECEPTION - W
1/4" = 1'-0"



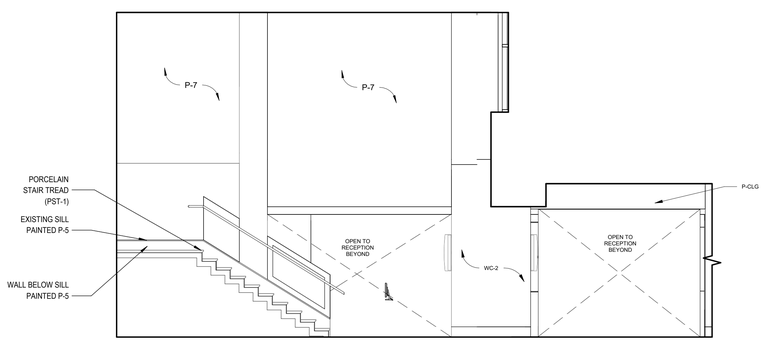
E5 00 - ELEV - TOWER ONE RECEPTION - N
1/4" = 1'-0"



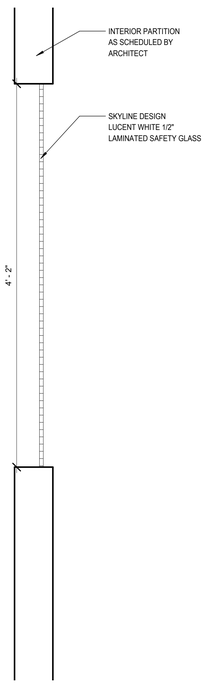
B1 00 - ELEV - TOWER ONE LOBBY - E
1/4" = 1'-0"



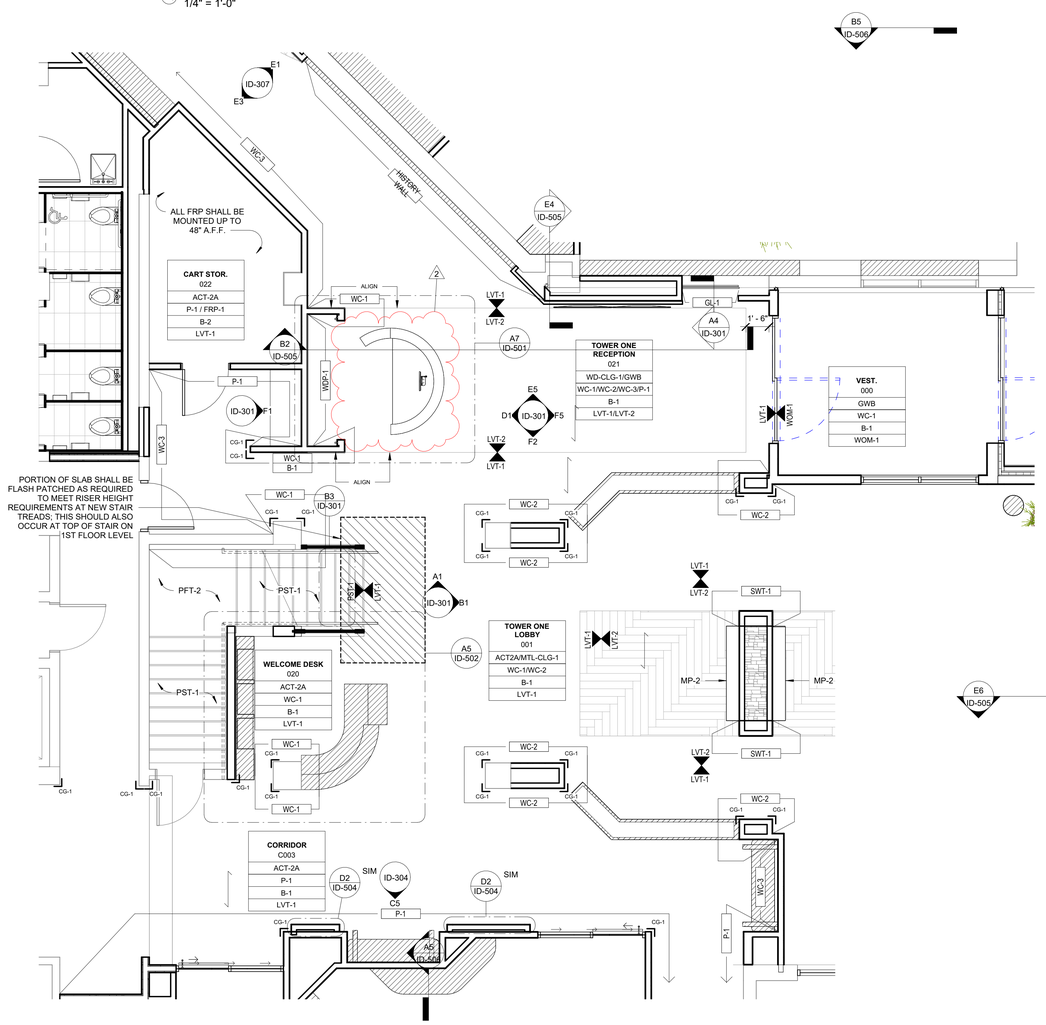
B3 TYPICAL TILE LAYOUT - STAIRS
1/2" = 1'-0"



A1 00 - ELEV - TOWER ONE LOBBY - N
1/4" = 1'-0"



A4 SECTION - WINDOW INTO DR
1 1/2" = 1'-0"



A5 00 - FINISH PLAN - S - LOBBY
1/4" = 1'-0"

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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE NEW HAVEN, CT 06519

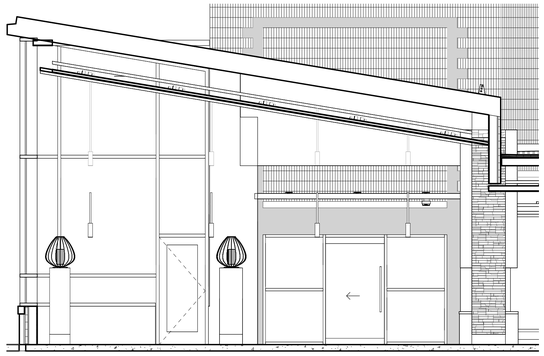
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - TOWER ONE LOBBY

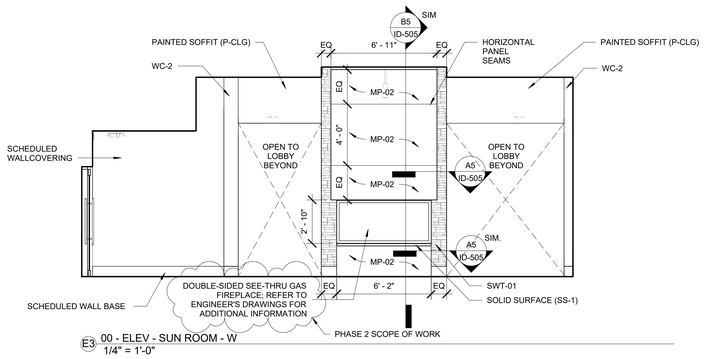
SCALE: **As indicated**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-301

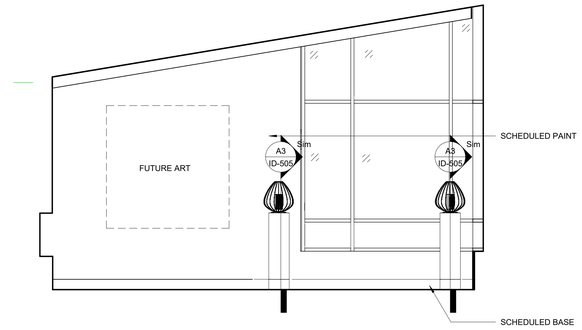
10/4/2022 10:27:57 AM Autodesk Docs://20200157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



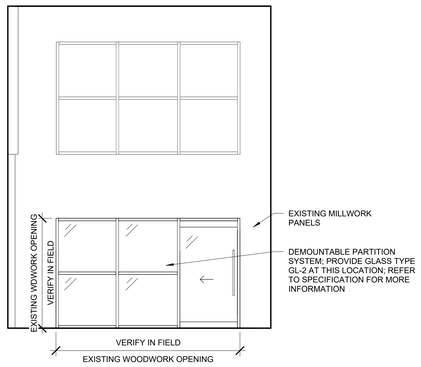
E1 00 - ELEV - SUN ROOM - S
1/4" = 1'-0"



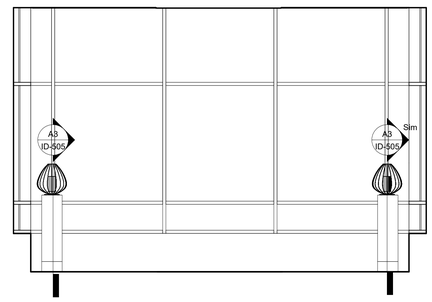
E3 00 - ELEV - SUN ROOM - W
1/4" = 1'-0"



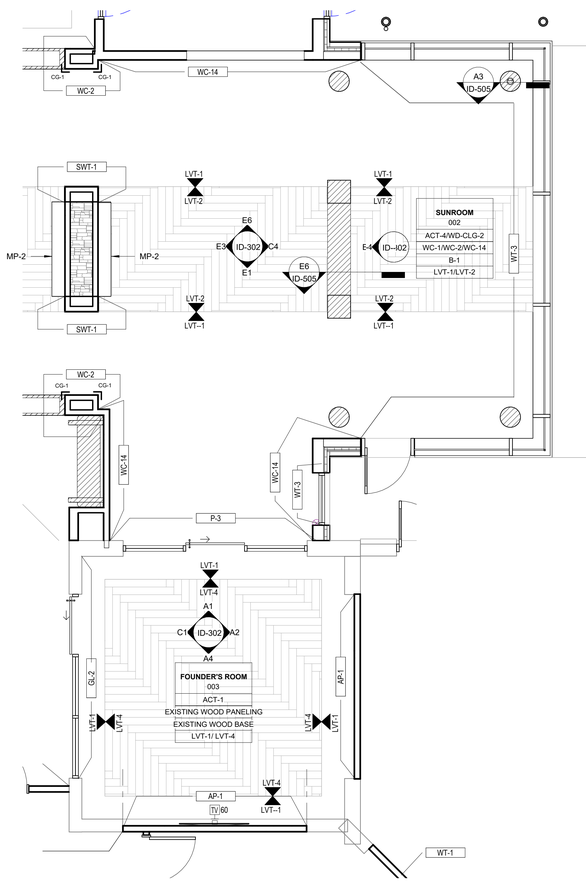
E6 00 - ELEV - SUN ROOM - N
1/4" = 1'-0"



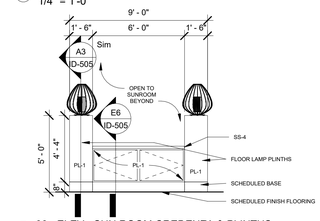
C1 00 - ELEV - FOUNDER'S ROOM - W
1/4" = 1'-0"



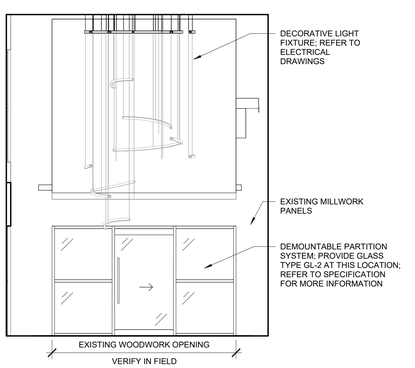
C4 00 - ELEV - SUN ROOM - E
1/4" = 1'-0"



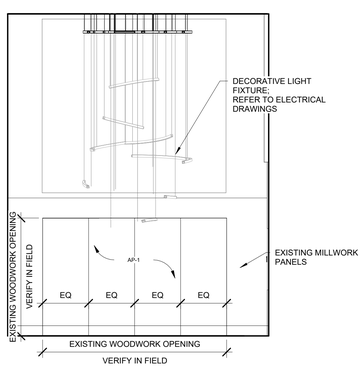
A6 00 - FINISH PLAN - S - SUNROOM_ FOUNDER'S ROOM
1/4" = 1'-0"



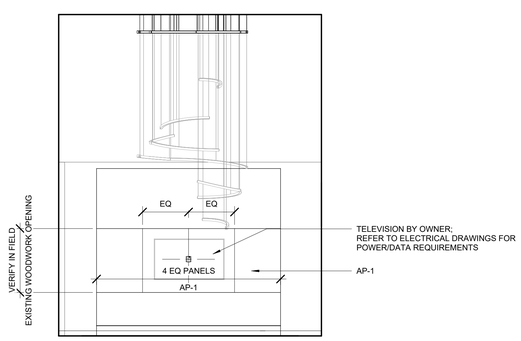
B4 00 - ELEV - SUN ROOM CREDENZA & PLINTHS
1/4" = 1'-0"



A1 00 - ELEV - FOUNDER'S ROOM - N
1/4" = 1'-0"



A2 00 - ELEV - FOUNDER'S ROOM - E
1/4" = 1'-0"



A4 00 - ELEV - FOUNDER'S ROOM - S
1/4" = 1'-0"

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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

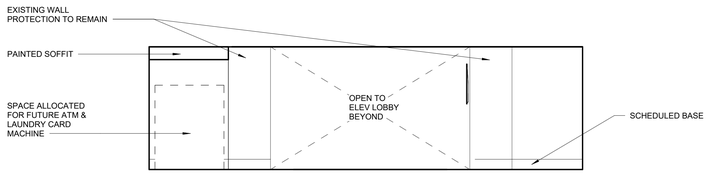
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - SUN ROOM & MEETING ROOM

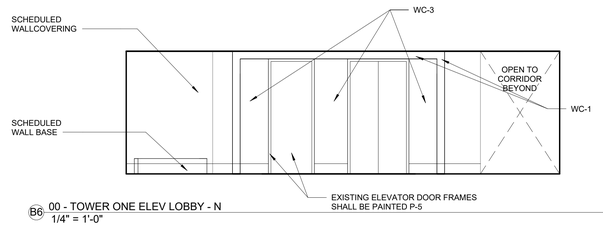
SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-302

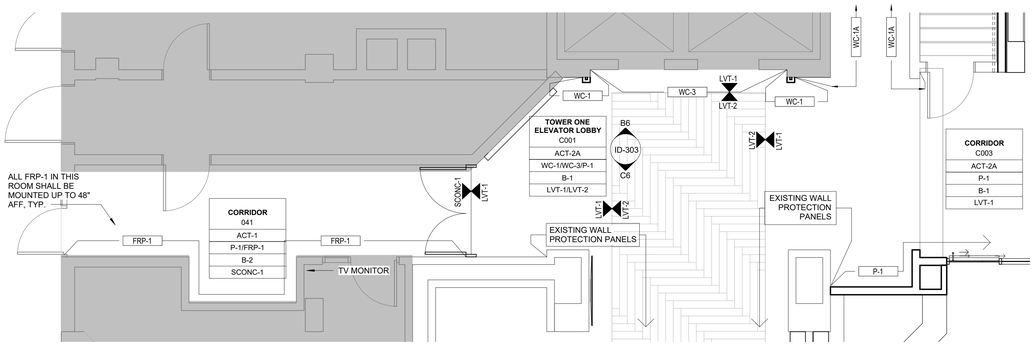
10/4/2022 10:28:21 AM Autodesk Docs://202001/57-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



C6 00 - TOWER ONE ELEV LOBBY - S
1/4" = 1'-0"



B6 00 - TOWER ONE ELEV LOBBY - N
1/4" = 1'-0"



A5 00 - FINISH PLAN - S - TOWER ONE ELEV LOBBY
1/4" = 1'-0"

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - ELEV LOBBY - SOUTH

SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-303

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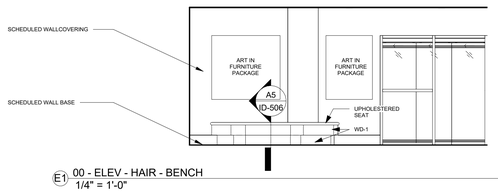
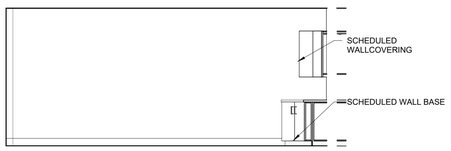
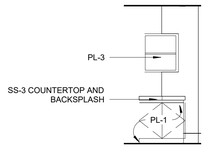


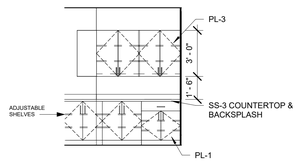
E1 00 - ELEV - HAIR - BENCH
1/4" = 1'-0"



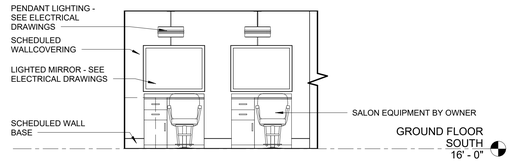
D1 00 - ELEV - SALON - SE
1/4" = 1'-0"



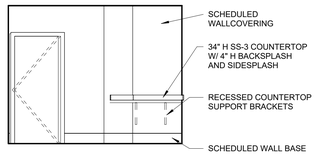
F3 00 - ELEV - MASSAGE - CORNER CABINET
1/4" = 1'-0"



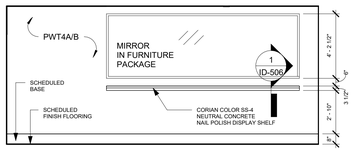
E3 00 - ELEV - SALON - S
1/4" = 1'-0"



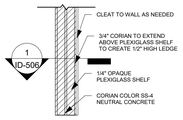
D3 00 - ELEV - SALON - NW
1/4" = 1'-0"



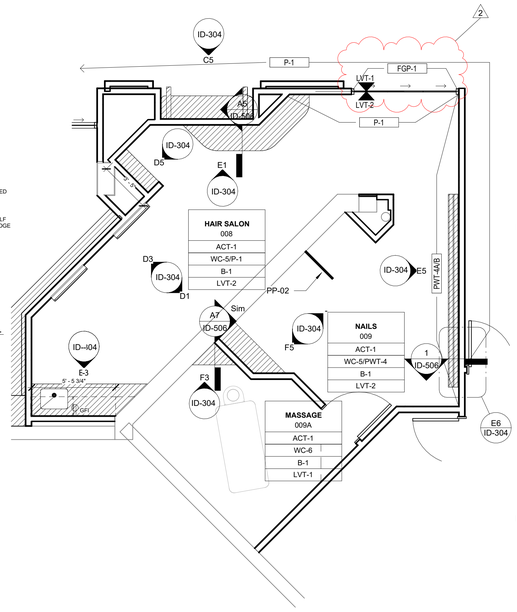
F5 00 - ELEV - NAILS - NAIL DRYING STATION
1/4" = 1'-0"



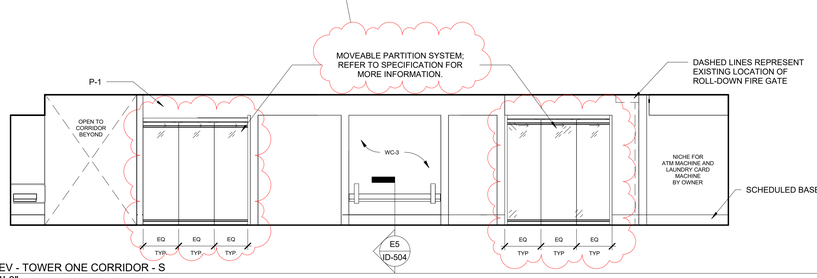
E5 00 - ELEV - HAIR SALON - MERCHANDISE SHELVES
1/4" = 1'-0"



E6 NAIL DISPLAY PLAN DETAIL
1/2" = 1'-0"

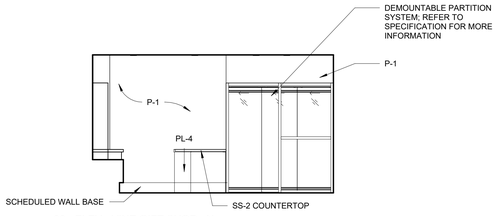


D7 00 - FINISH PLAN - S - SALON SPACES
1/4" = 1'-0"

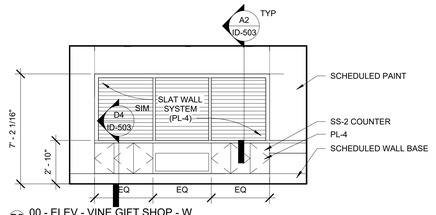


C5 00 - ELEV - TOWER ONE CORRIDOR - S
1/4" = 1'-0"

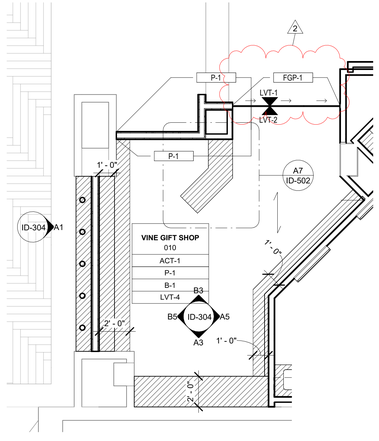
D5 00 - ELEV - SALON - MAGAZINE RACK
1/4" = 1'-0"



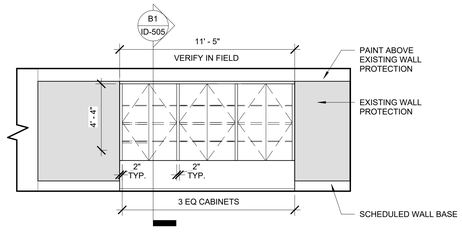
B3 00 - ELEV - VINE GIFT SHOP - N
1/4" = 1'-0"



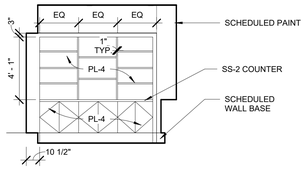
B5 00 - ELEV - VINE GIFT SHOP - W
1/4" = 1'-0"



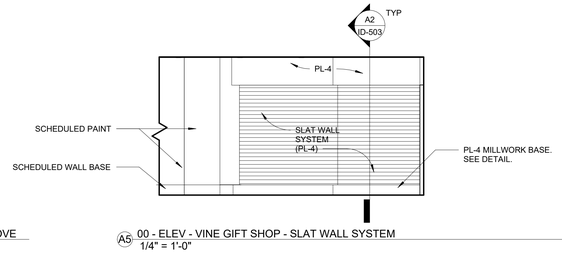
A7 00 - FINISH PLAN - S - VINE GIFT SHOP
1/4" = 1'-0"



A1 00 - ELEV - ELEV LOBBY AT GIFT SHOP
1/4" = 1'-0"



A3 00 - ELEV - VINE GIFT SHOP - CLOSED CABINETRY W/ OPEN SHELVING ABOVE
1/4" = 1'-0"



A5 00 - ELEV - VINE GIFT SHOP - SLAT WALL SYSTEM
1/4" = 1'-0"

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

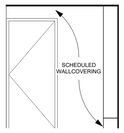
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - GIFT SHOP & SALON

SCALE:	DRAWN BY:
As indicated	CT
DATE: 9/23/2022	CHECKED BY: RC

DRAWING NUMBER:
ID-304

10/4/2022 10:28:26 AM Autodesk Docs://202001/57-The Towers/202101 - THE TOWERS - ID - CAMA.rvt

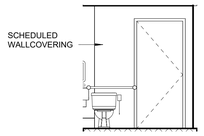


F2 00- ELEV - TOILET 064 - SOUTH
1/4" = 1'-0"

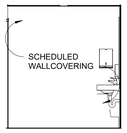
F3 00- ELEV - TOILET 064 - EAST
1/4" = 1'-0"

F4 00- ELEV - TOILET 064 - WEST
1/4" = 1'-0"

F5 00- ELEV - TOILET 064 - NORTH
1/4" = 1'-0"



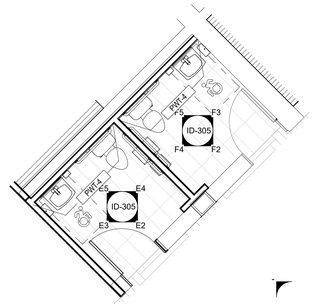
E2 00- ELEV - TOILET 063 - SOUTH
1/4" = 1'-0"



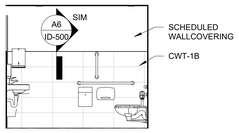
E3 00- ELEV - TOILET 063 - WEST
1/4" = 1'-0"

E4 00- ELEV - TOILET 063 - EAST
1/4" = 1'-0"

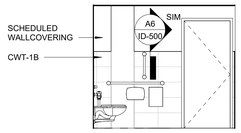
E5 00- ELEV - TOILET 063 - NORTH
1/4" = 1'-0"



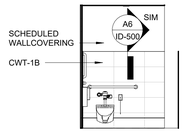
E6 00 - FINISH PLAN - N - TOWER EAST TOILETS
1/4" = 1'-0"



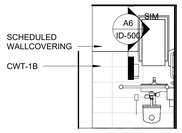
D3 00- ELEV - FAMILY TOILET - WEST
1/4" = 1'-0"



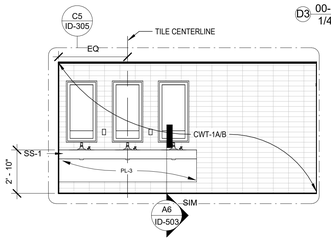
D4 00- ELEV - FAMILY TOILET - EAST
1/4" = 1'-0"



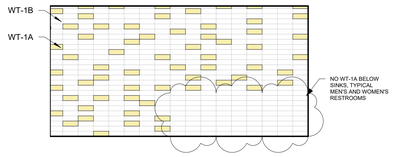
D5 00- ELEV - FAMILY TOILET - NORTH
1/4" = 1'-0"



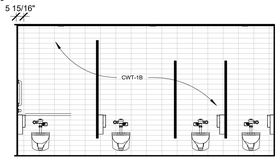
D6 00- ELEV - FAMILY TOILET - SOUTH
1/4" = 1'-0"



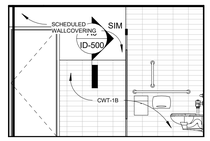
D2 00 - ELEV - WOMEN'S TOILET - 023 W
1/4" = 1'-0"



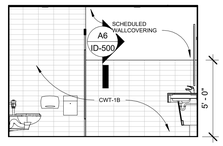
C5 ENLARGED ELEVATION - TILE LAYOUT
1/4" = 1'-0"



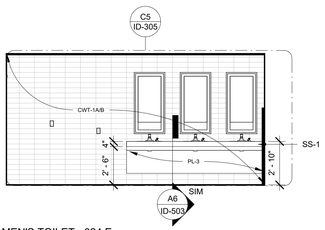
C2 00 - ELEV - WOMEN'S TOILET - 023 E
1/4" = 1'-0"



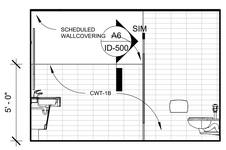
B5 00 - ELEV - WOMEN'S TOILET - 023 N
1/4" = 1'-0"



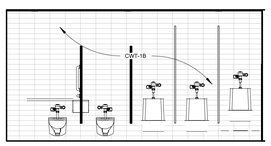
B6 00 - ELEV - WOMEN'S TOILET - 023 S
1/4" = 1'-0"



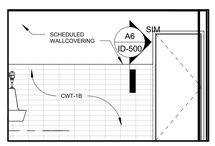
B2 00 - ELEV - MEN'S TOILET - 024 E
1/4" = 1'-0"



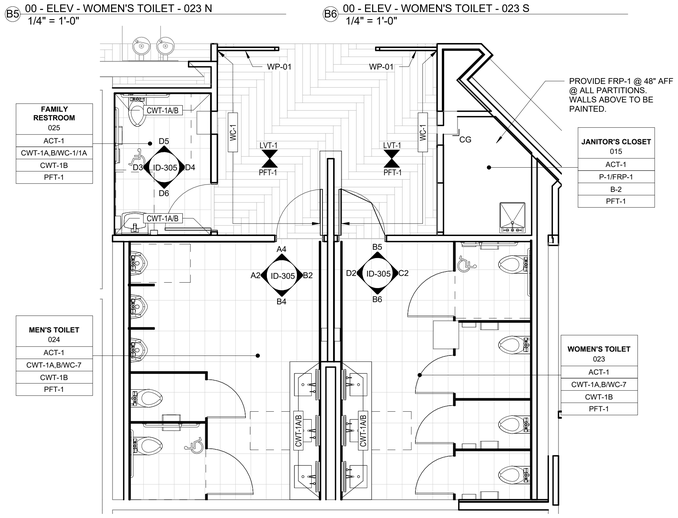
B4 00 - ELEV - MEN'S TOILET - 024 S
1/4" = 1'-0"



A2 00 - ELEV - MEN'S TOILET - 024 W
1/4" = 1'-0"



A4 00 - ELEV - MEN'S TOILET - 024 N
1/4" = 1'-0"



A6 00 - FINISH PLAN - S - MULTI-STALL RESTROOMS
1/4" = 1'-0"

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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

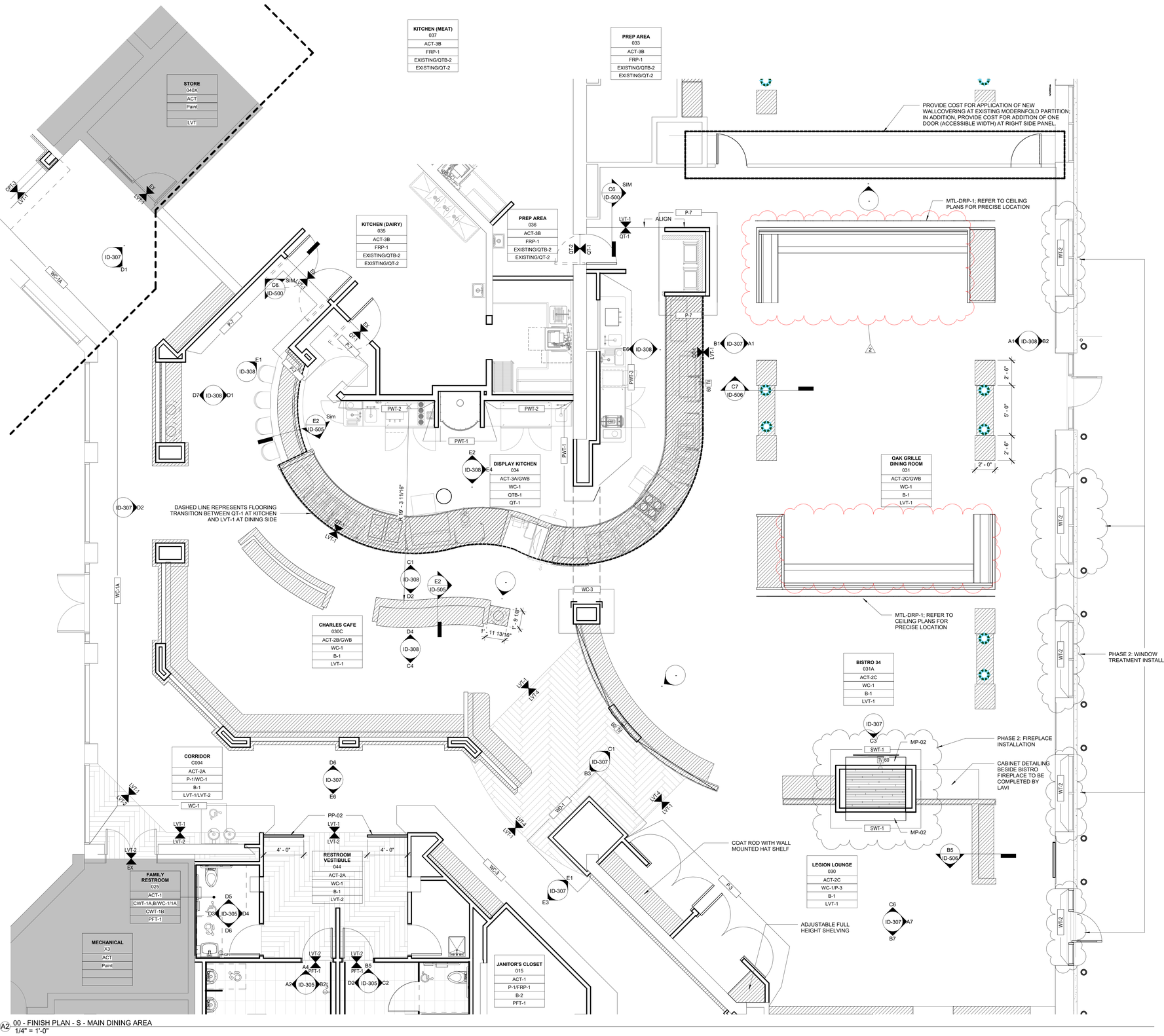
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - MULTI-STALL TOILET ROOMS

SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-305

10/4/2022 10:28:33 AM Autodesk Docs://202001157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



A2 00 - FINISH PLAN - S - MAIN DINING AREA
1/4" = 1'-0"

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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

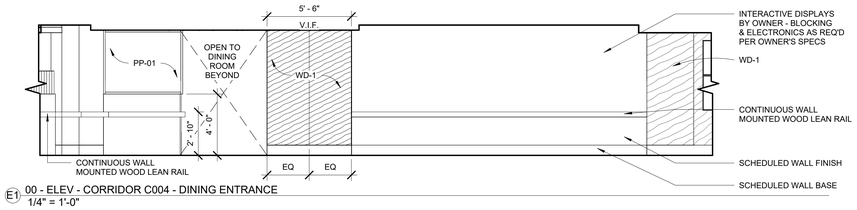
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - DINING ROOM

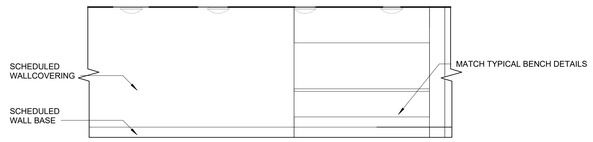
SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-306

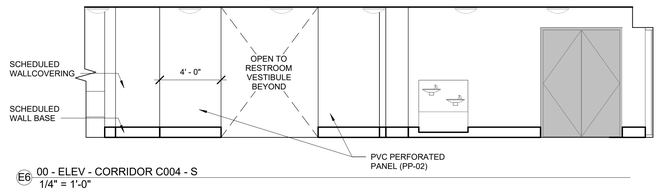
10/4/2022 10:28:38 AM Autodesk Docs://202001157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



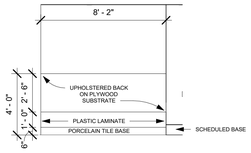
E1 00 - ELEV - CORRIDOR C004 - DINING ENTRANCE
1/4" = 1'-0"



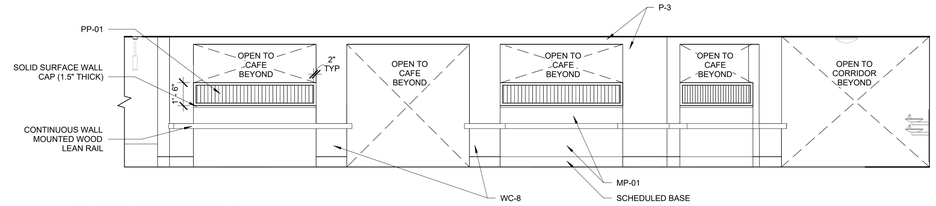
E3 00 - ELEV - CORRIDOR C004 - W
1/4" = 1'-0"



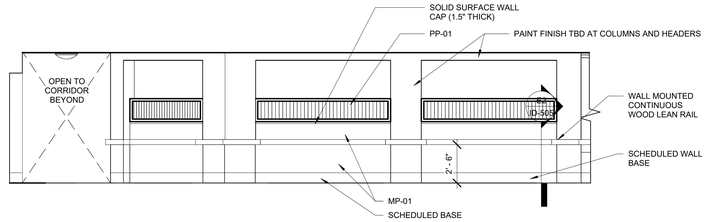
E6 00 - ELEV - CORRIDOR C004 - S
1/4" = 1'-0"



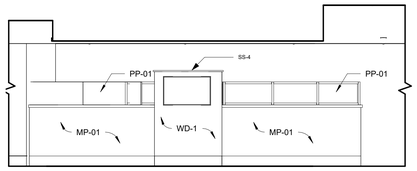
D1 00 - ELEV - RAMP - BANQUETTE SEATING
1/4" = 1'-0"



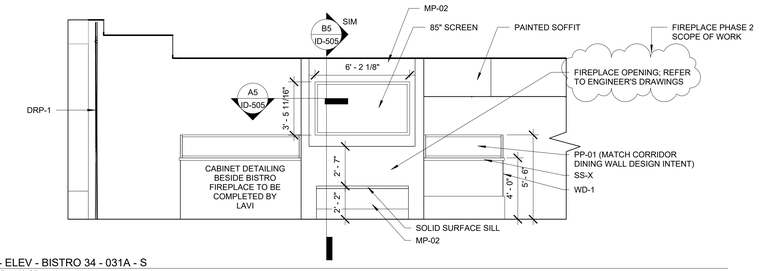
D2 00 - ELEV - CORRIDOR C004 - E
1/4" = 1'-0"



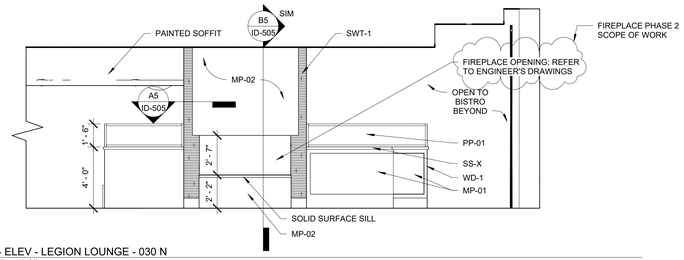
D6 00 - ELEV - CORRIDOR C004 - N
1/4" = 1'-0"



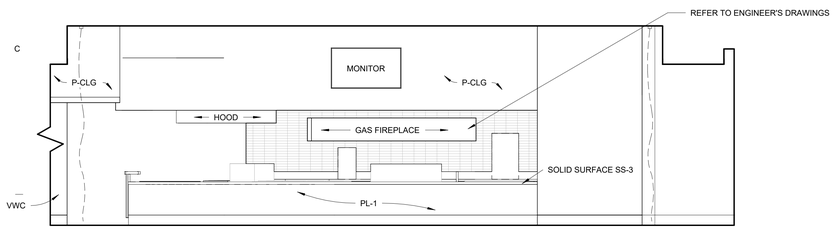
C1 00 - ELEVATION - BISTRO 34-031A - BACK OF BANQUETTE SEATING
1/4" = 1'-0"



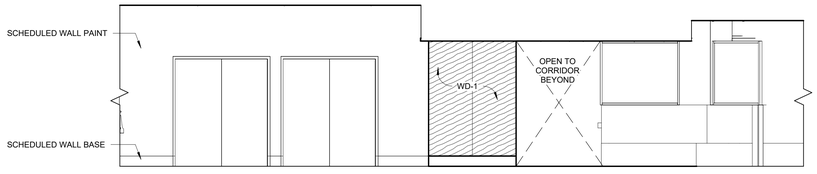
C3 00 - ELEV - BISTRO 34 - 031A - S
1/4" = 1'-0"



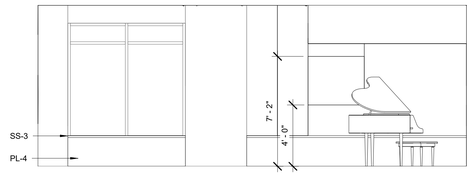
C6 00 - ELEV - LEGION LOUNGE - 030 N
1/4" = 1'-0"



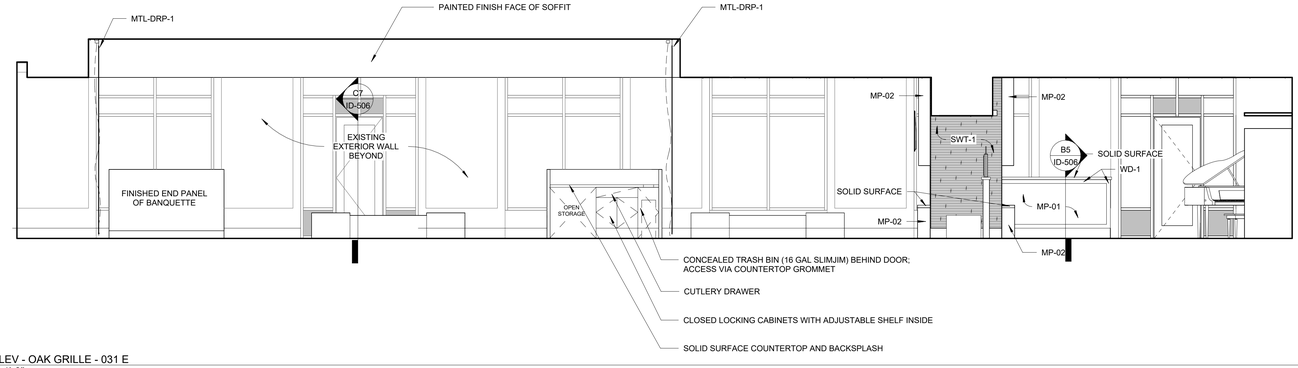
B1 00 - ELEV - OAK GRILLE - 031 W
1/4" = 1'-0"



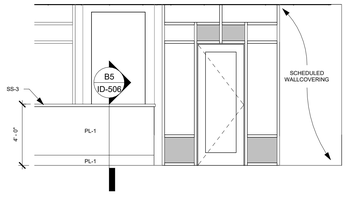
B3 00 - ELEV - DINING - STORAGE S
1/4" = 1'-0"



B7 00 - ELEV - LEGION LOUNGE - 030 S
1/4" = 1'-0"



A1 00 - ELEV - OAK GRILLE - 031 E
1/4" = 1'-0"



A7 00 - ELEV - LEGION LOUNGE - 030 E
1/4" = 1'-0"

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - DINING ELEVATIONS

SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-307

N

Autodesk Docs://202001S7-The Towers/202101 - THE TOWERS - ID - CAMA.rvt
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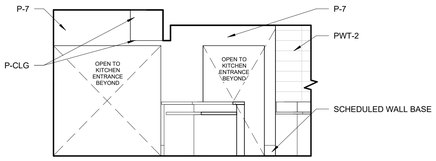
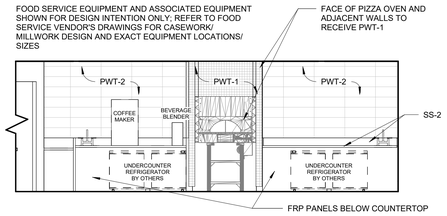
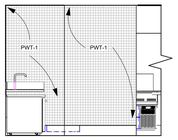


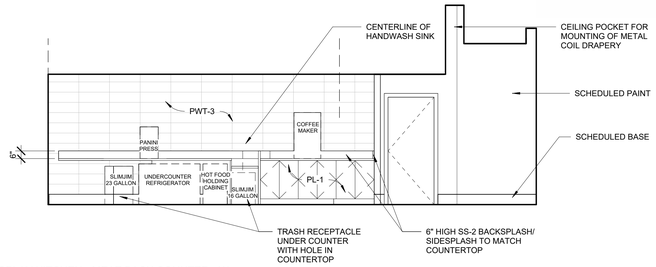
E1 00 - ELEV - KITCHEN ENTRANCE - DAIRY
1/4" = 1'-0"



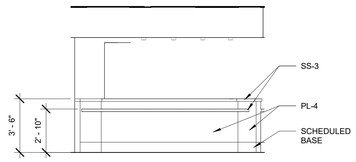
E2 00 - ELEV - DISPLAY KITCHEN - DAIRY BACK COUNTER - N
1/4" = 1'-0"



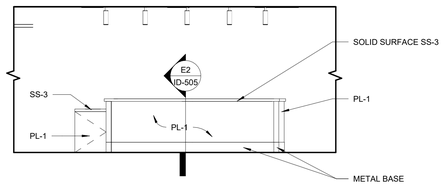
E4 00 - ELEV - DISPLAY KITCHEN - E
1/4" = 1'-0"



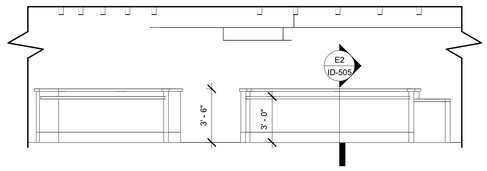
E6 DISPLAY KITCHEN - MEAT BACK COUNTER - W
1/4" = 1'-0"



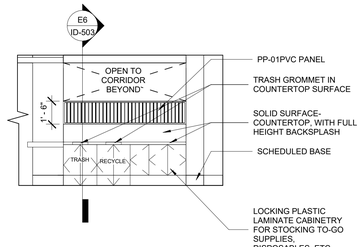
D1 00 - ELEV - CHARLIE'S CAFE - E- COUNTER SEATS
1/4" = 1'-0"



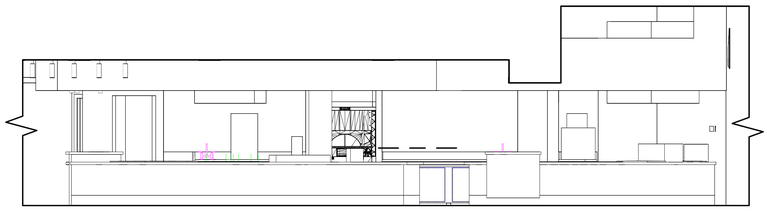
D2 00 - CHARLIE'S CAFE - SOUTH - COUNTER
1/4" = 1'-0"



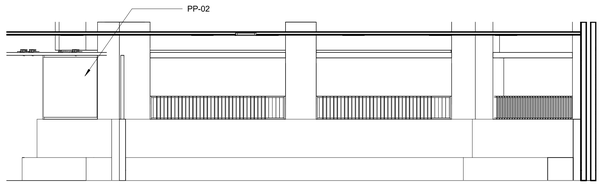
D4 00 - ELEV - CHARLIE'S CAFE - N - COUNTER
1/4" = 1'-0"



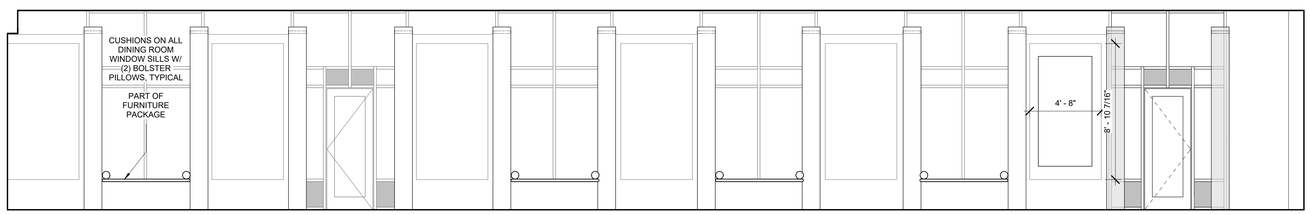
D7 00 - ELEV - CHARLIE'S CAFE -W - CONDIMENT STATION
1/4" = 1'-0"



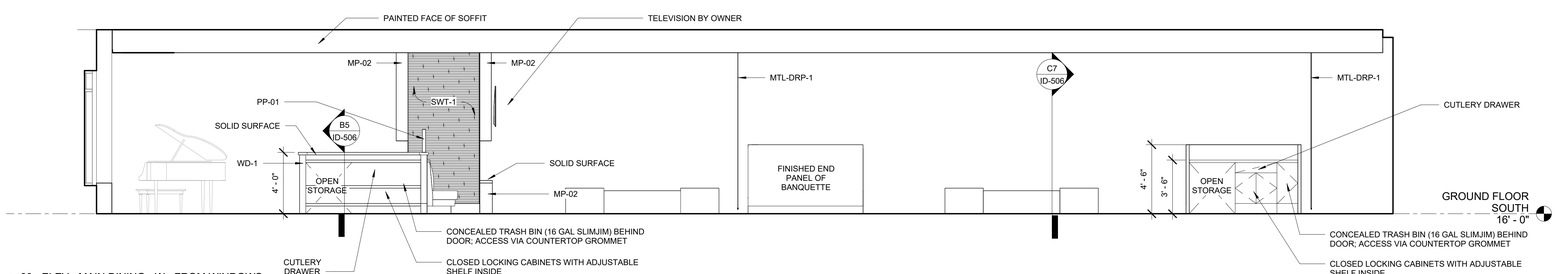
C1 00 - ELEV - DISPLAY KITCHEN - MEAT - PUBLIC SIDE - N
1/4" = 1'-0"



C4 00 - ELEV - CHARLIE'S CAFE S - BANQUETTES
1/4" = 1'-0"



B2 00 - ELEV - MAIN DINING - E - AT WINDOWS
1/4" = 1'-0"



A1 00 - ELEV - MAIN DINING - W - FROM WINDOWS
1/4" = 1'-0"

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

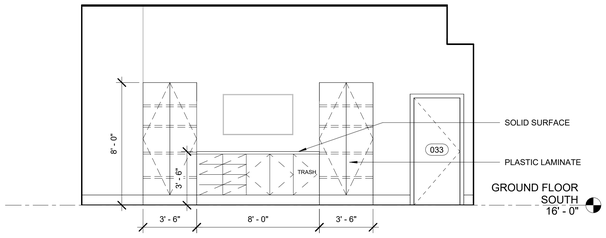
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - DINING ELEVATIONS

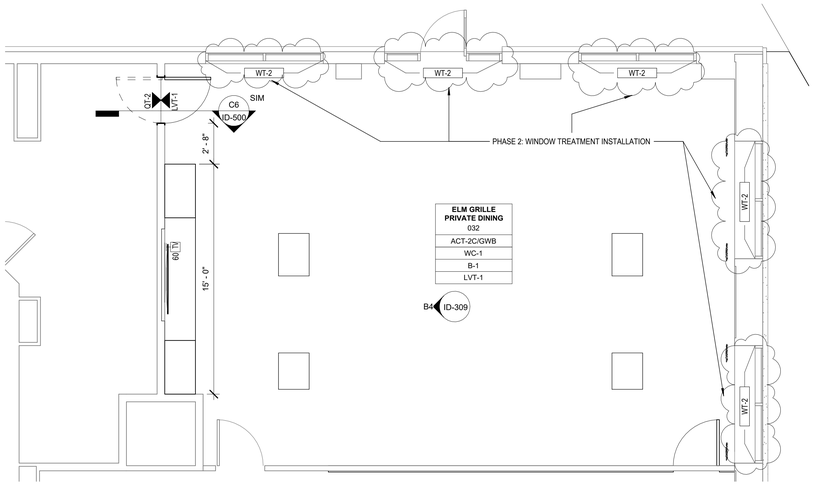
SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-308

Autodesk Docs://2020157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt
10/4/2022 10:29:00 AM



B4 00 - ELEV - ELM GRILLE - W
1/4" = 1'-0"



A4 00 - FINISH PLAN - S - ELM GRILLE
1/4" = 1'-0"

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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED PLAN - ELM GRILLE PRIVATE DINING

SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-309

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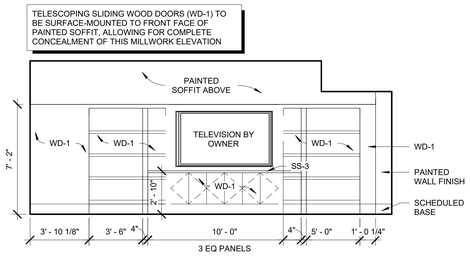
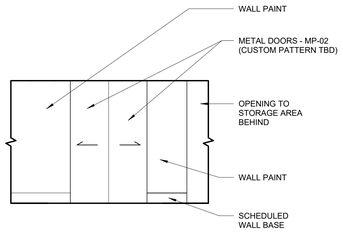
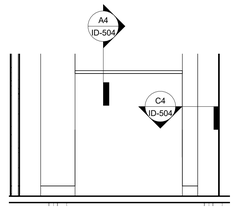


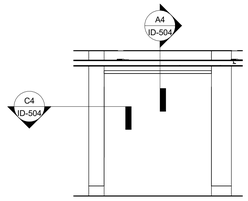
D1 00 - ELEV - SANCTUARY & FELLOWSHIP - W
1/4" = 1'-0"



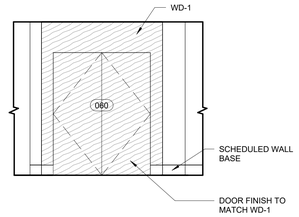
D2 00 - ELEV - SANCTUARY - ARK CABINET -DOORS CLOSED
1/4" = 1'-0"



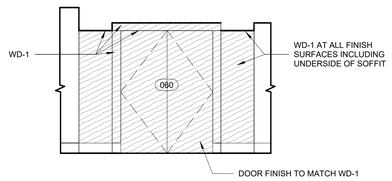
E4 00 - ELEV - SANCTUARY ENTRANCE - NORTH
1/4" = 1'-0"



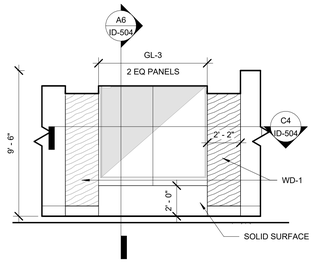
E5 00 - ELEV - SANCTUARY ENTRANCE - SOUTH
1/4" = 1'-0"



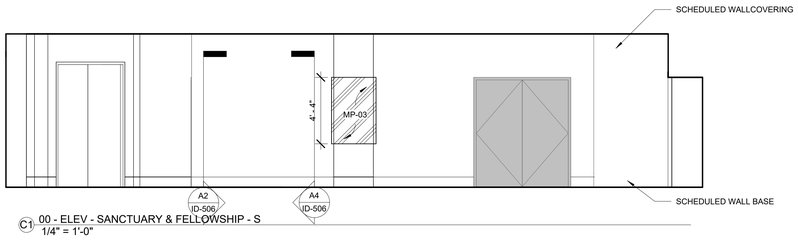
D4 00 - ELEV - SANCTUARY & FELLOWSHIP - ENTRY DOOR
1/4" = 1'-0"



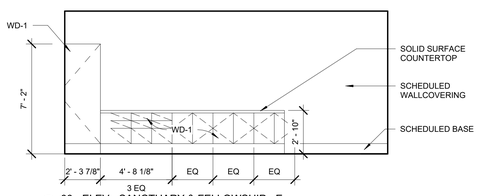
D5 00 - ELEV - CORRIDOR - W
1/4" = 1'-0"



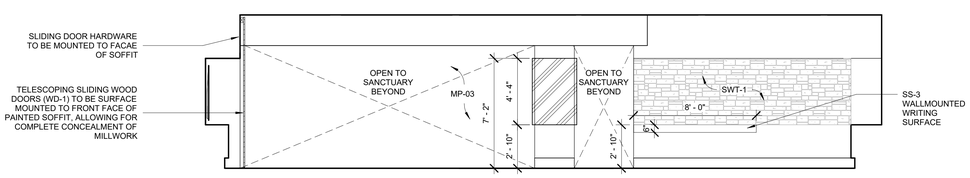
D7 00 - ELEV - CORR - TREE OF LIFE
1/4" = 1'-0"



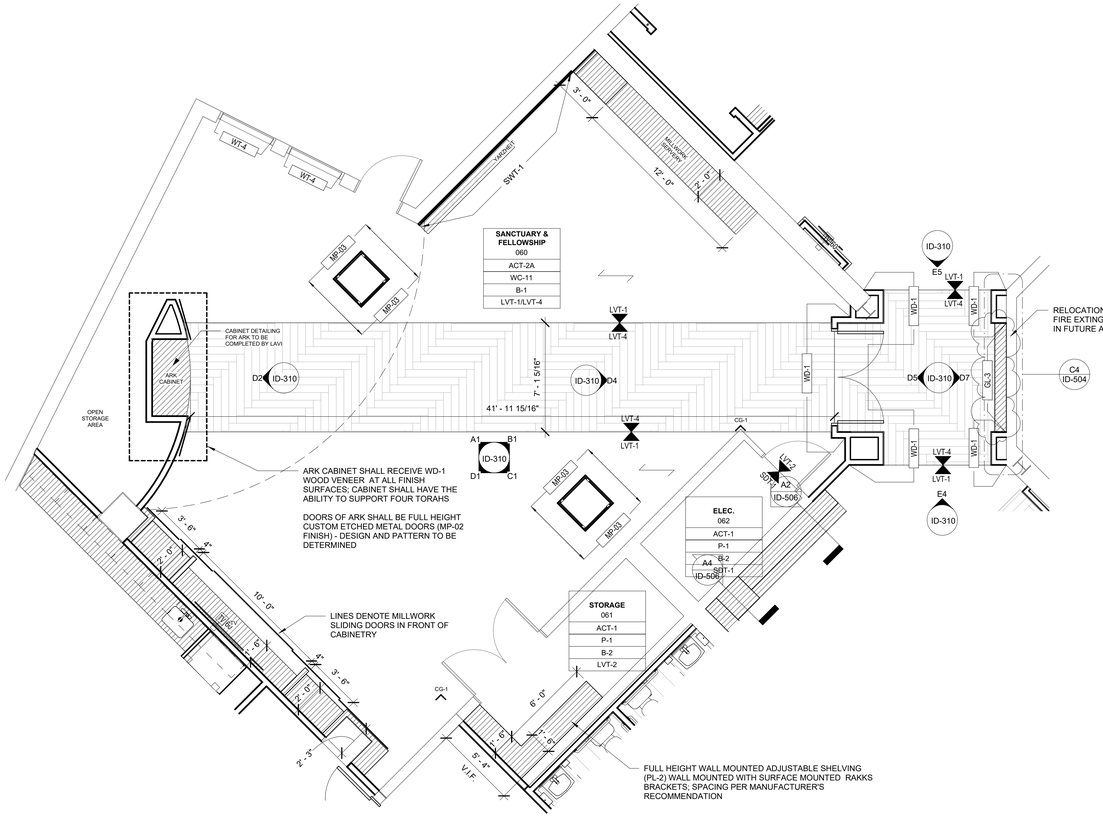
C1 00 - ELEV - SANCTUARY & FELLOWSHIP - S
1/4" = 1'-0"



B1 00 - ELEV - SANCTUARY & FELLOWSHIP - E
1/4" = 1'-0"



A1 00 - ELEV - SANCTUARY & FELLOWSHIP - N
1/4" = 1'-0"



A4 00 - FINISH PLAN - N - SANCTUARY & FELLOWSHIP
1/4" = 1'-0"

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

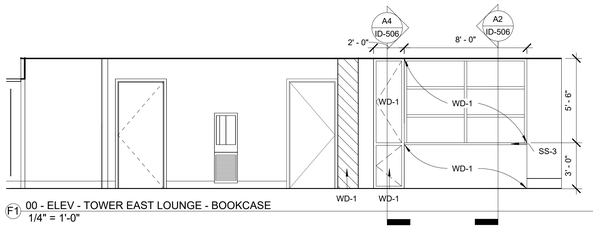
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - SANCTUARY & FELLOWSHIP

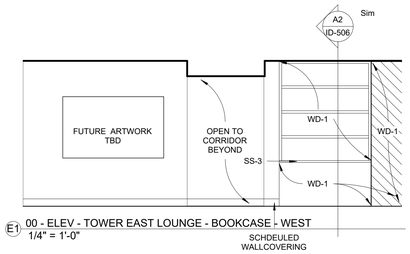
SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-310

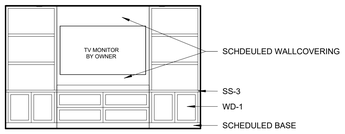
10/4/2022 10:29:07 AM Autodesk Docs://202001/57-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



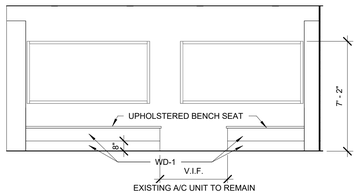
F1 00 - ELEV - TOWER EAST LOUNGE - BOOKCASE
1/4" = 1'-0"



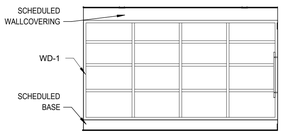
E1 00 - ELEV - TOWER EAST LOUNGE - BOOKCASE - WEST
1/4" = 1'-0"



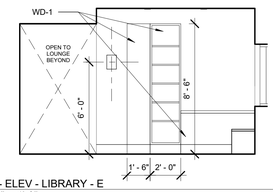
E2 00 - ELEV - CONFERENCE - W - TV W/ BUILT-INS
1/4" = 1'-0"



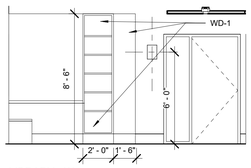
D1 00 - ELEV - LIBRARY - S
1/4" = 1'-0"



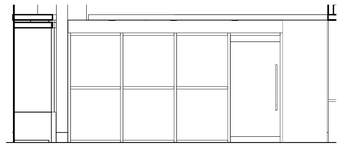
D2 00 - ELEV - CONFERENCE - E - BOOKCASE
1/4" = 1'-0"



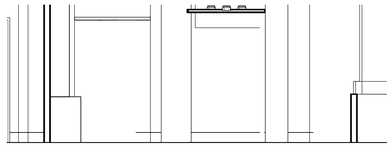
C1 00 - ELEV - LIBRARY - E
1/4" = 1'-0"



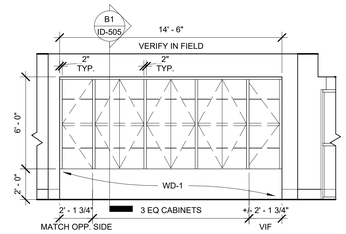
C2 00 - ELEV - LIBRARY - W
1/4" = 1'-0"



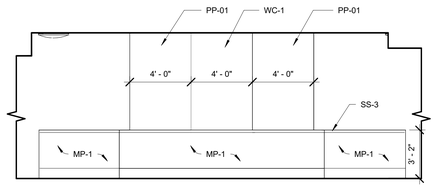
F5 00 - ELEV - TOWER EAST LOUNGE - E.2
1/4" = 1'-0"



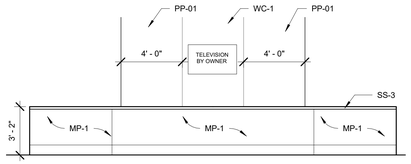
F6 00 - ELEV - TOWER EAST LOUNGE - E
1/4" = 1'-0"



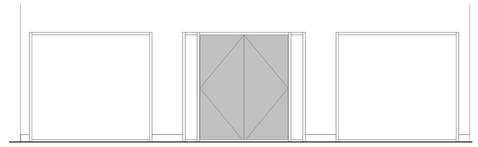
E5 00 - ELEV - TOWER EAST LOUNGE - N.2
1/4" = 1'-0"



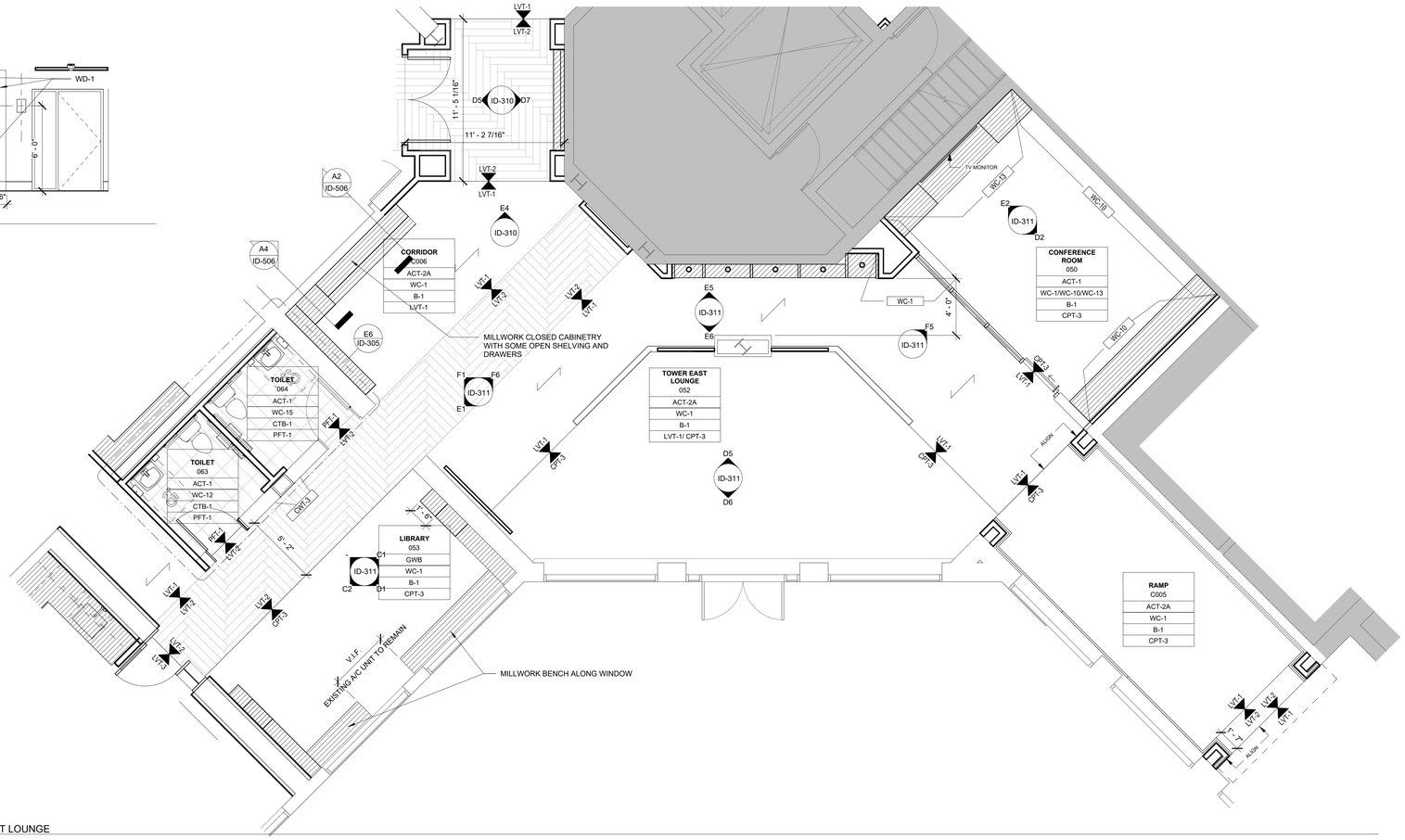
E6 00 - ELEV - TOWER EAST LOUNGE - S.2
1/4" = 1'-0"



D5 00 - ELEV - TOWER EAST LOUNGE- N
1/4" = 1'-0"



D6 00 - ELEV - TOWER EAST LOUNGE - S
1/4" = 1'-0"



A2 00 - FINISH PLAN - N - TOWER EAST LOUNGE
1/4" = 1'-0"

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HIGH FALLS, NY 12440
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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

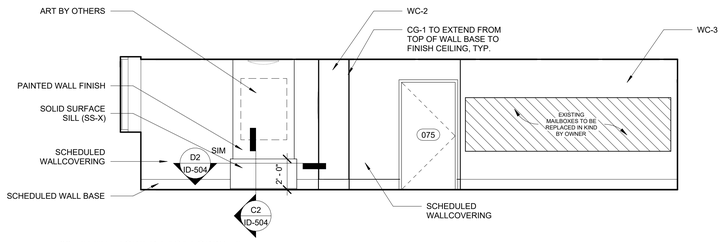
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED PLANS - TOWER EAST LOUNGE

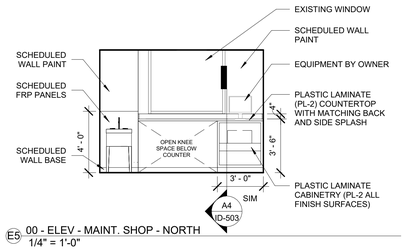
SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-311

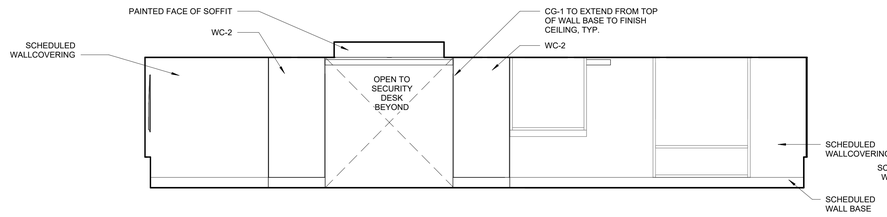
10/4/2022 10:29:13 AM Autodesk Docs://20200157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



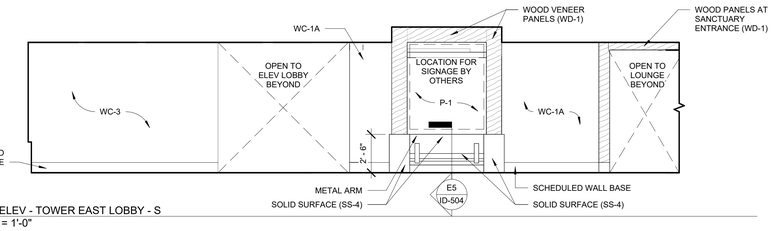
F2 00 - ELEV - TOWER EAST LOBBY - E
1/4" = 1'-0"



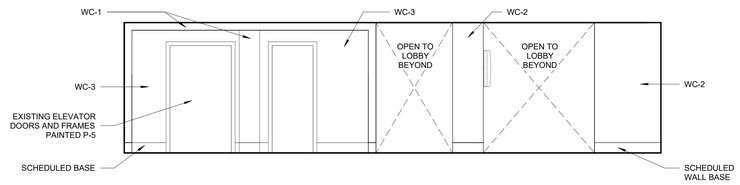
E5 00 - ELEV - MAINT. SHOP - NORTH
1/4" = 1'-0"



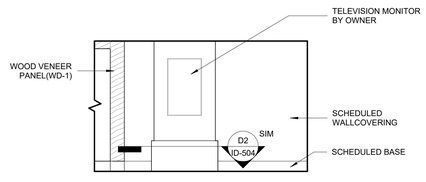
E2 00 - ELEV - TOWER EAST LOBBY - N
1/4" = 1'-0"



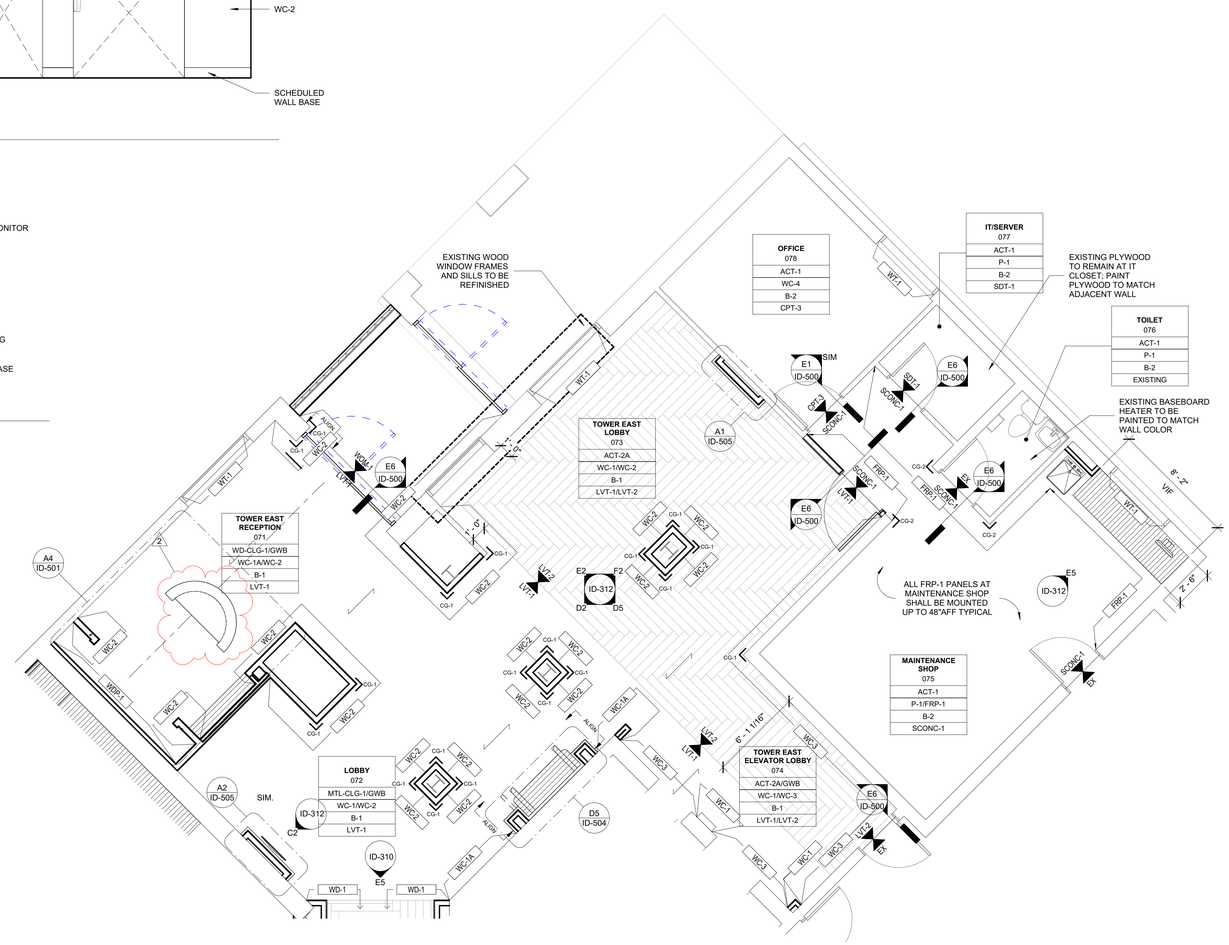
D5 00 - ELEV - TOWER EAST LOBBY - S
1/4" = 1'-0"



D2 00 - ELEV - TOWER EAST LOBBY - W
1/4" = 1'-0"



C2 00 - ELEV - TOWER E - LANDMARK W
1/4" = 1'-0"



A4 00 - FINISH PLAN - N - TOWER EAST LOBBY
1/4" = 1'-0"

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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

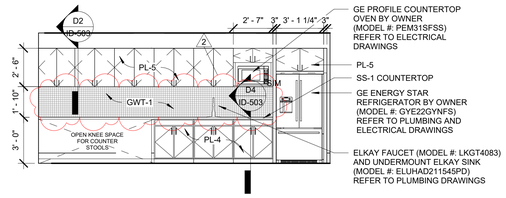
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - TOWER EAST LOBBY

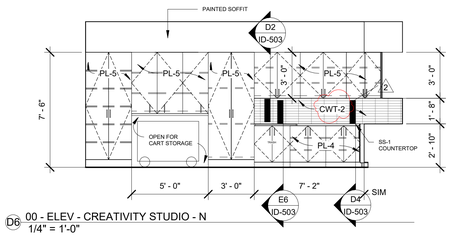
SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**
DRAWING NUMBER:
ID-312

N

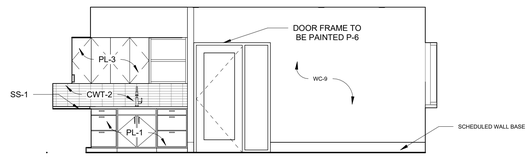
10/4/2022 10:29:17 AM Autodesk Docs://202001S7-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



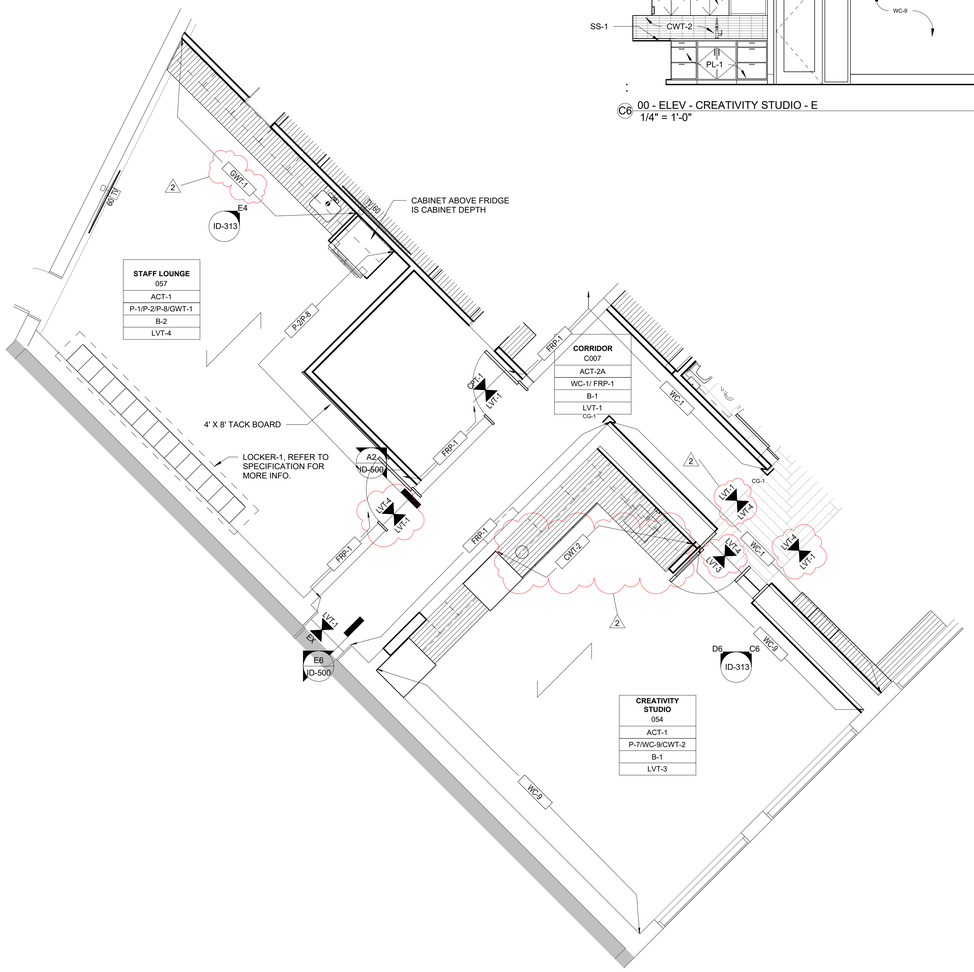
E4 00 - ELEV - STAFF LOUNGE - E
1/4" = 1'-0"



D6 00 - ELEV - CREATIVITY STUDIO - N
1/4" = 1'-0"



C6 00 - ELEV - CREATIVITY STUDIO - E
1/4" = 1'-0"



A4 00 - FINISH PLAN - N- STAFF LOUNGE
1/4" = 1'-0"

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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

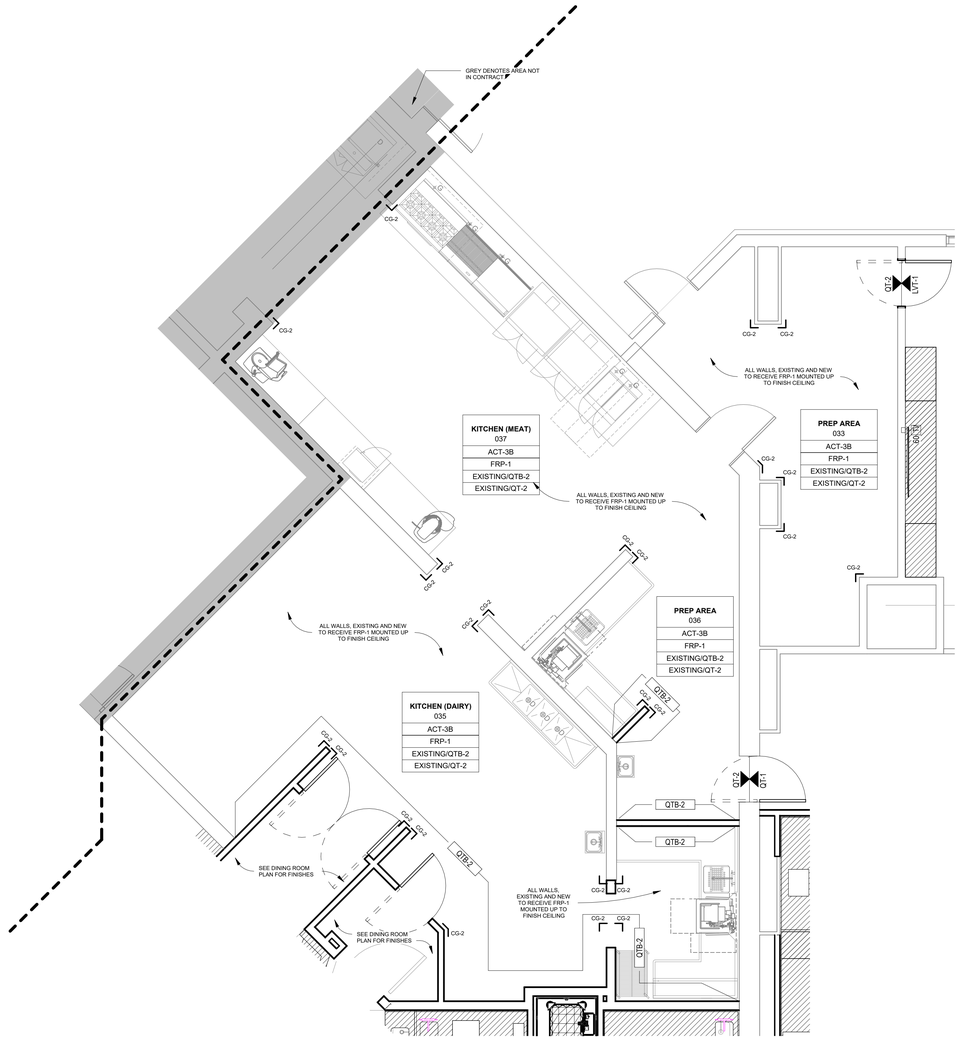
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - CREATIVITY STUDIO AND STAFF LOUNGE

SCALE: **1/4" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-313

10/4/2022 10:29:19 AM Autodesk Docs://20200157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



A5 00 - FINISH PLAN - S - KITCHEN
1/4" = 1'-0"

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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

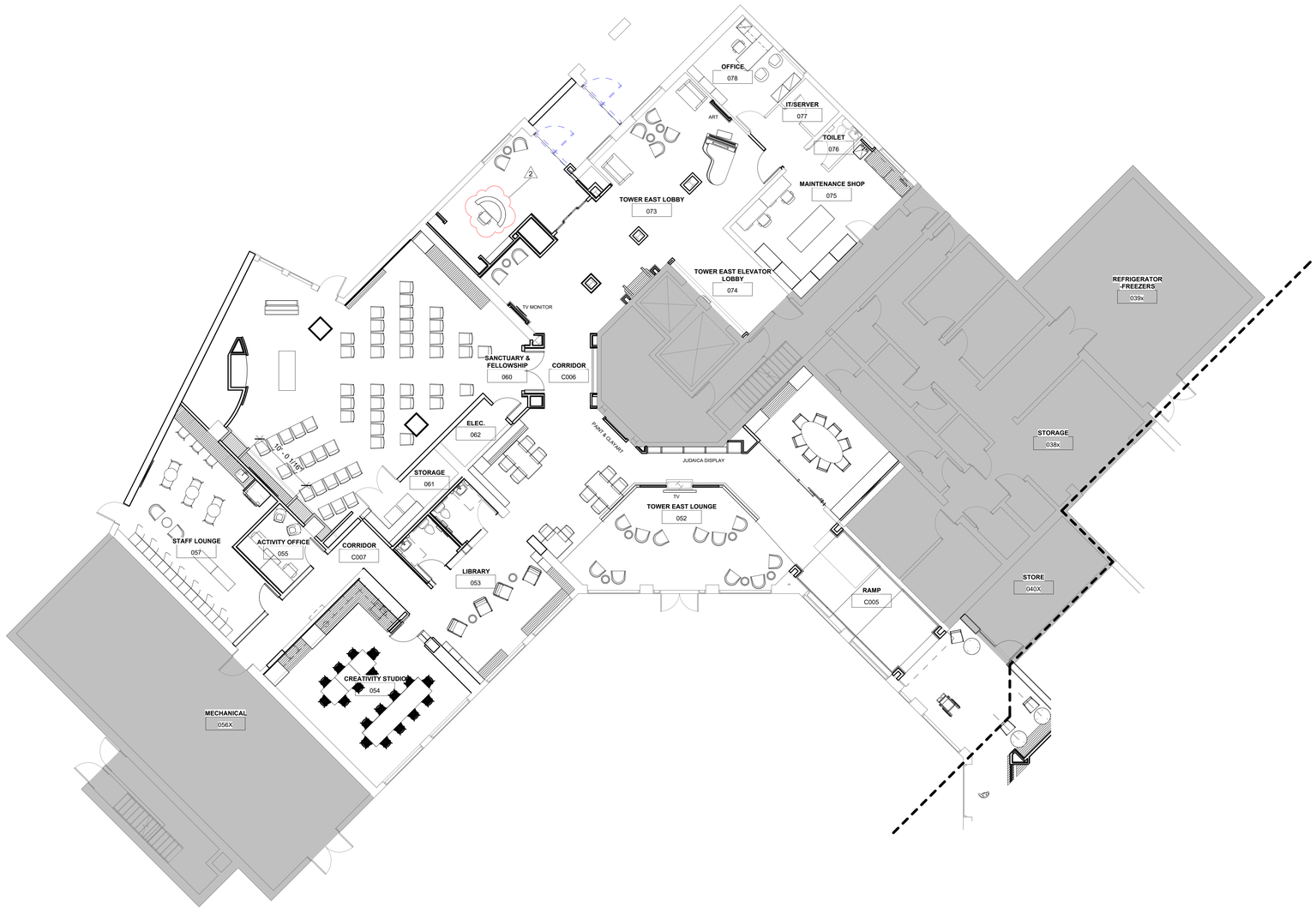
PROJECT NUMBER:
202101

DRAWING TITLE:
ENLARGED - KITCHEN

SCALE:	DRAWN BY:
1/4" = 1'-0"	CT
DATE: 9/23/2022	CHECKED BY: RC

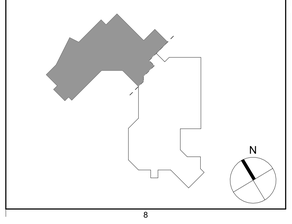
DRAWING NUMBER:
ID-314

10/4/2022 10:29:21 AM Autodesk Docs://20200157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



A2 00 - GROUND FLOOR FURN PLAN - N
1/8" = 1'-0"

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

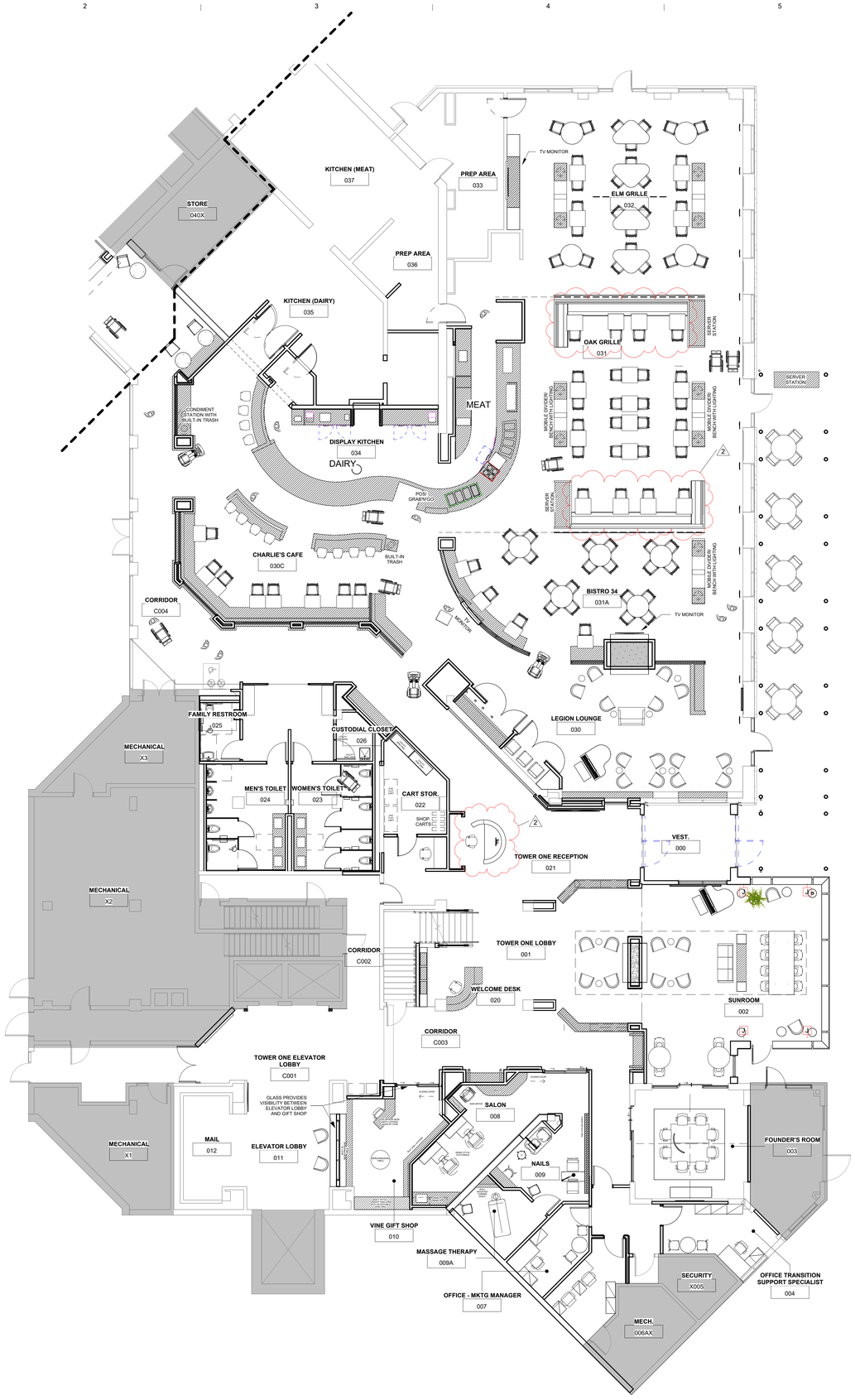
PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
FURNITURE PLAN - NORTH

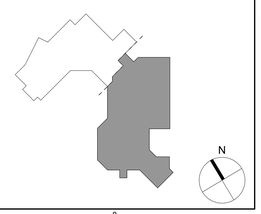
SCALE: **1/8" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**
DRAWING NUMBER:
ID-400N

10/4/2022 10:28:24 AM Autodesk Docs://20200157-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



A1 00 - GROUND FLOOR FURN PLAN - SOUTH
1/8" = 1'-0"

KEYPLAN



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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

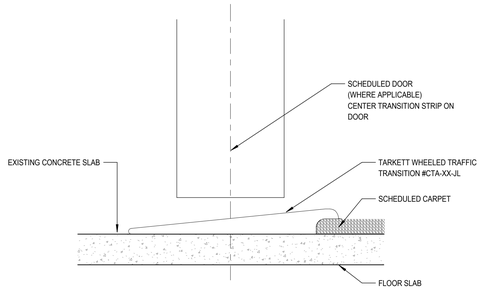
PROJECT NUMBER:
202101

DRAWING TITLE:
FURNITURE PLAN - SOUTH

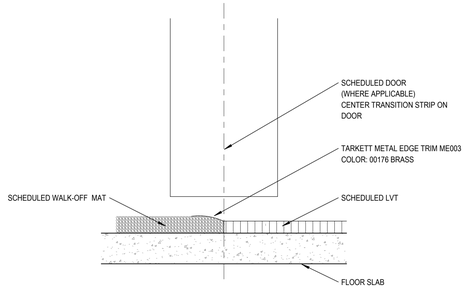
SCALE: **1/8" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-400S

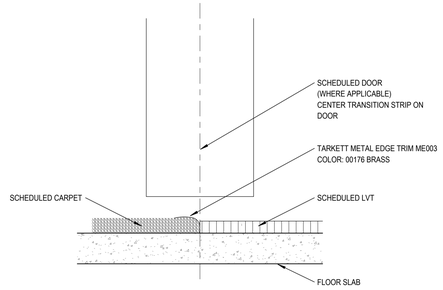
10/4/2022 10:29:30 AM Autodesk Docs://202201/57-The Towers/202101 - THE TOWERS - ID - CAMA.rvt



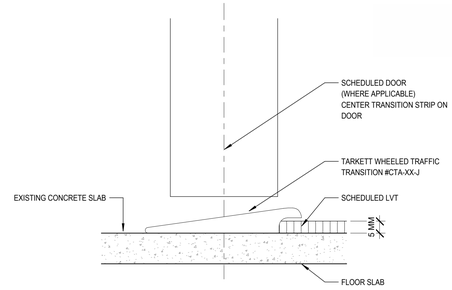
E1 FLR TRANSITION - CARPET TO CONCRETE
12" = 1'-0"



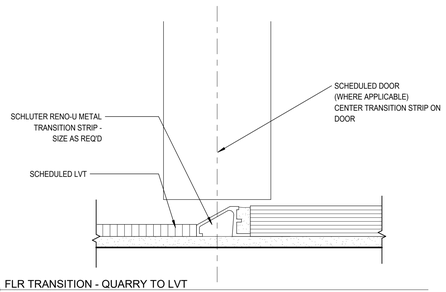
E2 FLR TRANSITION - LVT (5 MM THICKNESS) TO WALK-OFF MAT
12" = 1'-0"



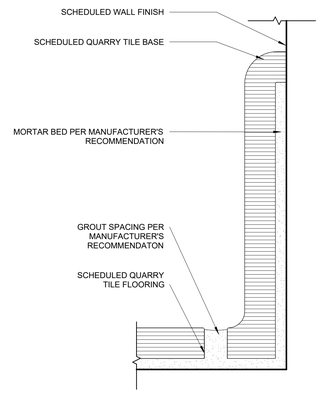
E5 FLR TRANSITION - LVT (5 MM THICKNESS) TO CARPET Copy 1
12" = 1'-0"



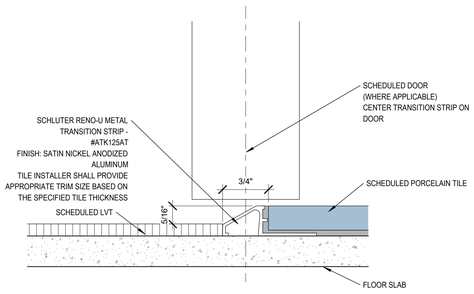
E6 FLR TRANSITION - LVT (5 MM THICKNESS) TO CONCRETE
12" = 1'-0"



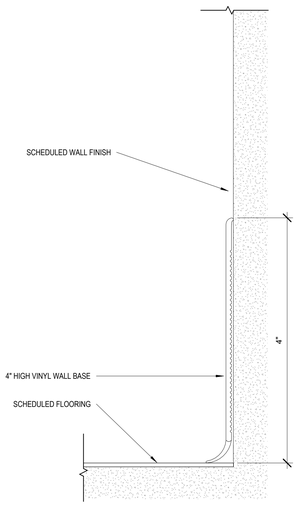
C2 FLR TRANSITION - QUARRY TO LVT
12" = 1'-0"



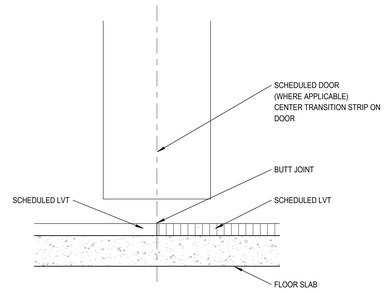
C5 SECTION - QUARRY TILE BASE
12" = 1'-0"



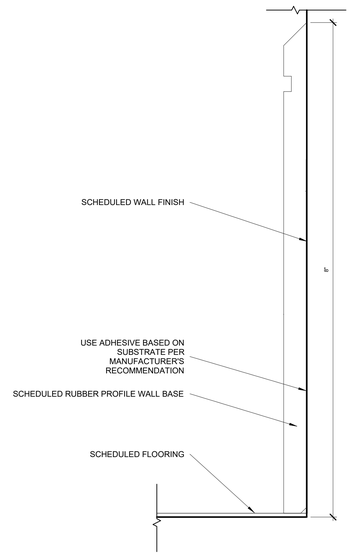
C6 FLR TRANSITION - LVT (5 MM THICKNESS) TO PFT
12" = 1'-0"



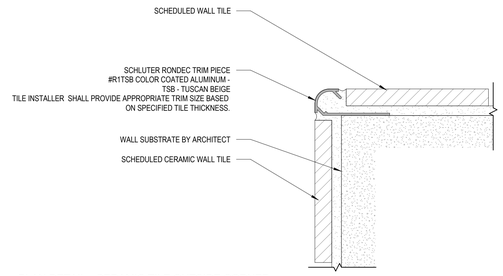
A1 SECTION - 4"H VINYL WALL BASE
12" = 1'-0"



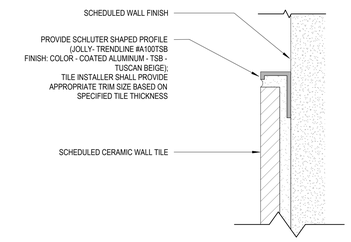
A2 FLR TRANSITION - LVT (5 MM THICKNESS) TO LVT (5 MM THICKNESS)
12" = 1'-0"



A5 SECTION - RUBBER PROFILE BASE
12" = 1'-0"



B6 PLAN DETAIL - CERAMIC TILE OUTSIDE CORNER
12" = 1'-0"



A6 SECTION - WALL TILE EDGE TRANSITION
12" = 1'-0"

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PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
FINISH DETAILS

SCALE: **12" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-500

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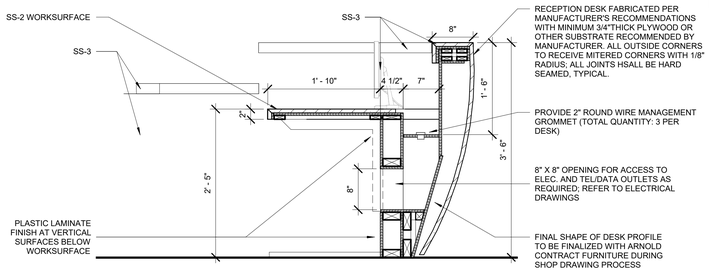
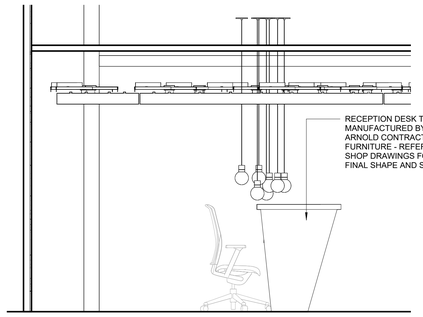
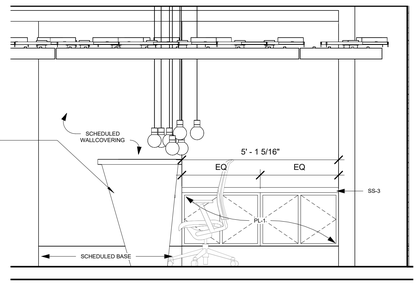


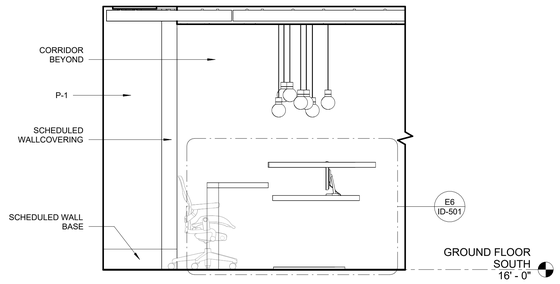
E6 SECTION - SECURITY DESK
1" = 1'-0"



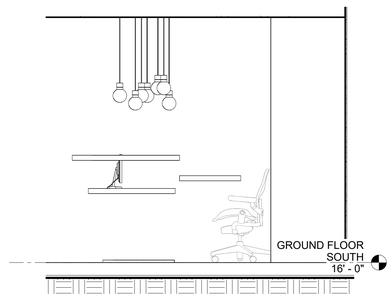
D1 00 - ELEV - TOWER EAST RECEPTION - N
1/2" = 1'-0"



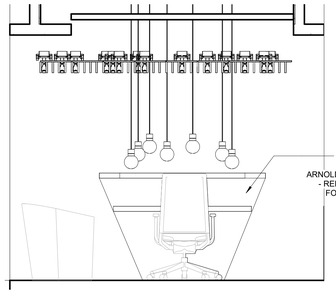
D2 00 - ELEV - TOWER EAST RECEPTION - S
1/2" = 1'-0"



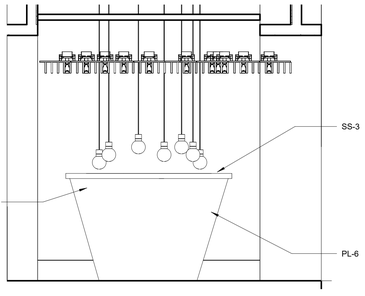
D5 00 - ELEV - SECURITY DESK 021 - N
1/2" = 1'-0"



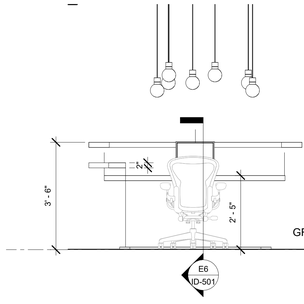
D7 00 - ELEV - SECURITY DESK 021 - S
1/2" = 1'-0"



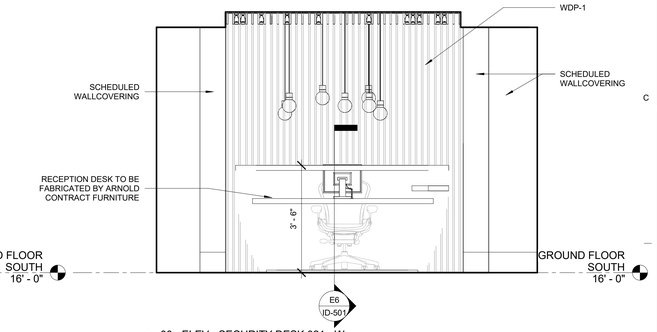
B1 00 - ELEV - TOWER EAST RECEPTION - E
1/2" = 1'-0"



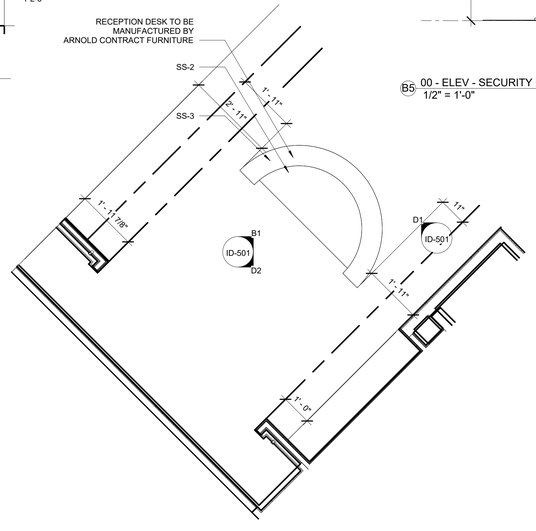
B2 00 - ELEV - TOWER EAST RECEPTION - W
1/2" = 1'-0"



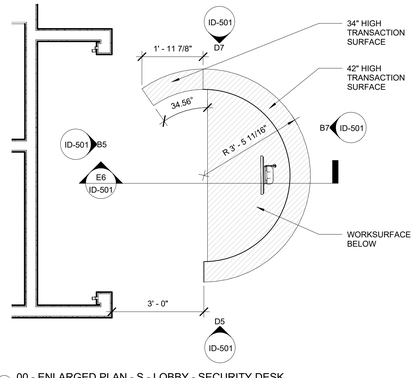
B5 00 - ELEV - SECURITY DESK 021 - E
1/2" = 1'-0"



B7 00 - ELEV - SECURITY DESK 021 - W
1/2" = 1'-0"



A4 00 - ENLARGED PLAN - N - RECEPTION DESK 071
1/2" = 1'-0"



A7 00 - ENLARGED PLAN - S - LOBBY - SECURITY DESK
1/2" = 1'-0"

N

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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
MILLWORK DETAILS - DESKS

SCALE:	DRAWN BY:
As indicated	**CT**
DATE: **9/23/2022**	CHECKED BY: **RC**

DRAWING NUMBER:
ID-501

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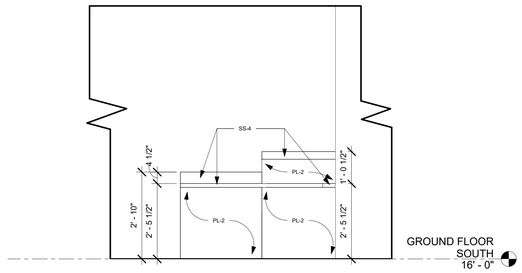
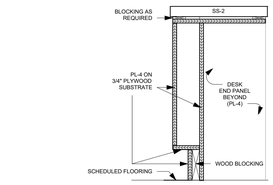
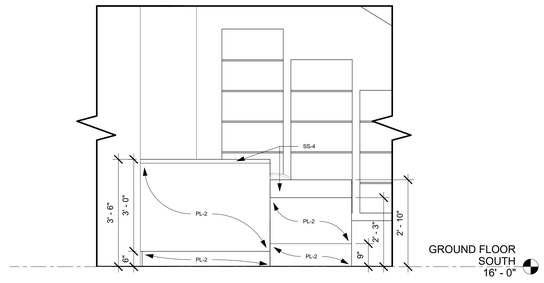


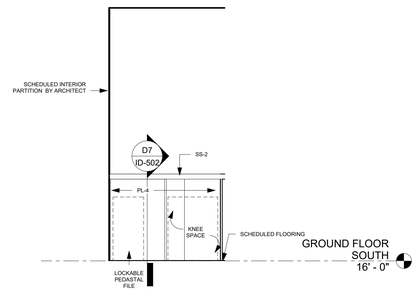
D3 00 - ELEV - WELCOME DESK - W
1/2" = 1'-0"



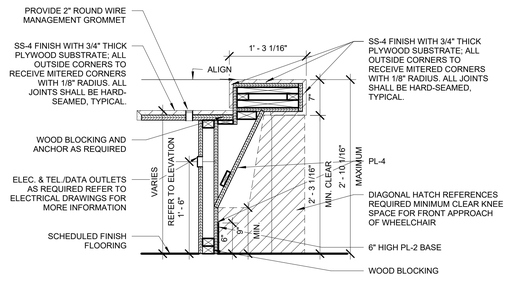
D7 SECTION - VINE GIFT SHOP DESK
1" = 1'-0"



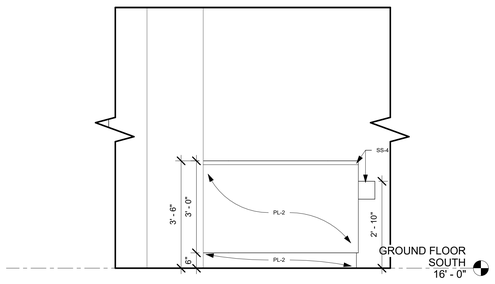
C3 00 - ELEV - WELCOME DESK - E
1/2" = 1'-0"



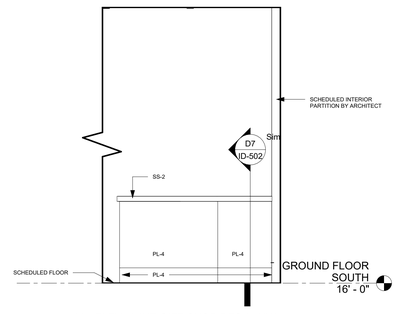
C7 00 - ELEV - VINE GIFT SHOP DESK - E
1/2" = 1'-0"



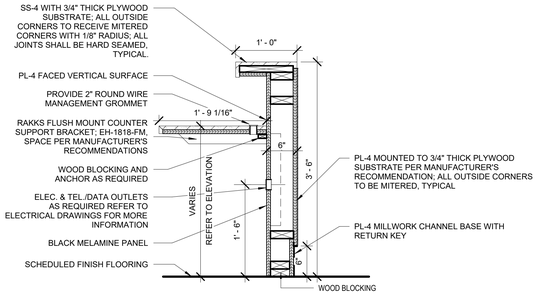
B1 SECTION - WELCOME DESK - ADA
1" = 1'-0"



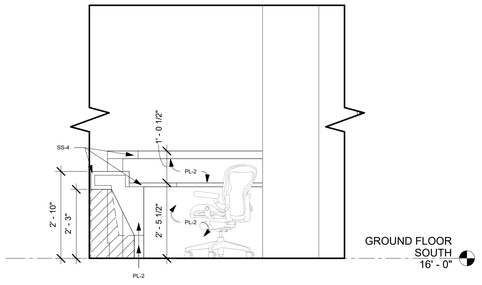
B3 00 - ELEV - WELCOME DESK - S
1/2" = 1'-0"



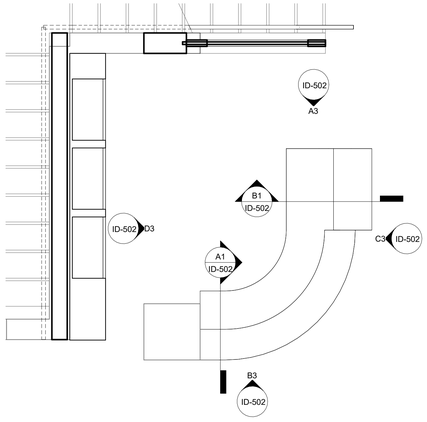
B7 00 - ELEV - VINE GIFT SHOP DESK - NW
1/2" = 1'-0"



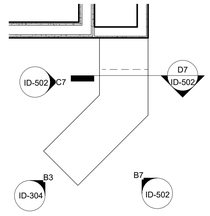
A1 SECTION - WELCOME DESK - WORKSURFACE
1" = 1'-0"



A3 00 - ELEV - WELCOME DESK - N
1/2" = 1'-0"



A5 00 - ENLARGED PLAN - S - WELCOME DESK
1/2" = 1'-0"



A7 00 - ENLARGED PLAN - S - VINE GIFT SHOP DESK
1/2" = 1'-0"

N

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HIGH FALLS, NY 12440
T 646.416.6222

PHASE:
100% CONSTRUCTION DOCUMENTS BID SET

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
MILLWORK DETAILS - DESKS

SCALE: **As indicated**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
ID-502

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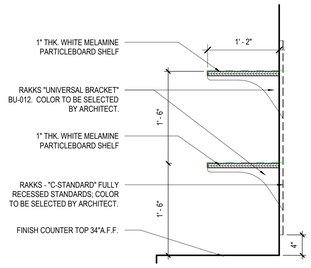
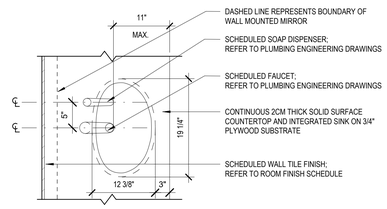
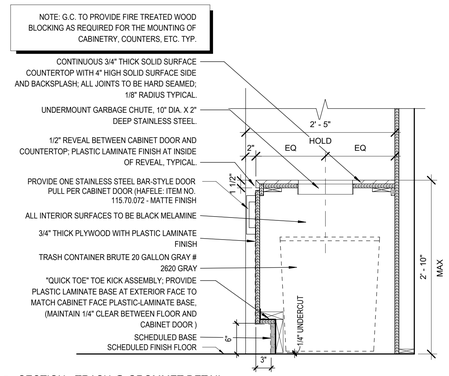


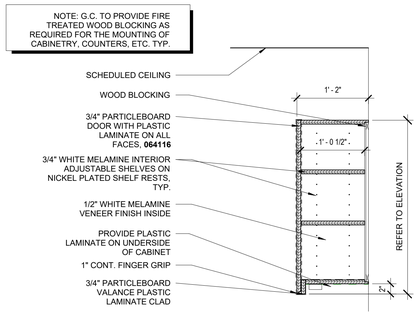
E2 SECTION - WALL MOUNTED SHELVING
1" = 1'-0"



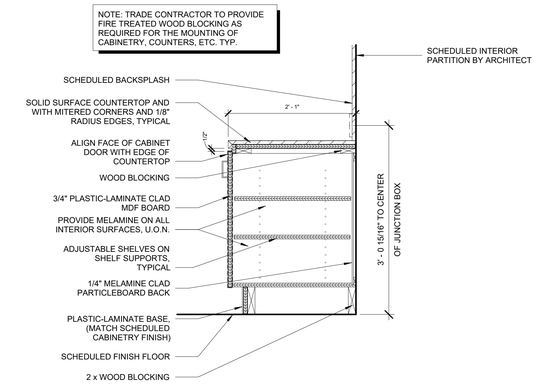
E4 PLAN DETAIL - RESTROOMS SINKS
1" = 1'-0"



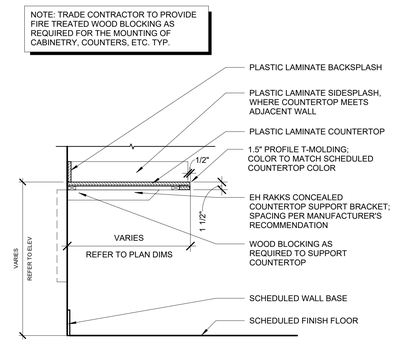
E6 SECTION - TRASH @ GROMMET DETAIL
1" = 1'-0"



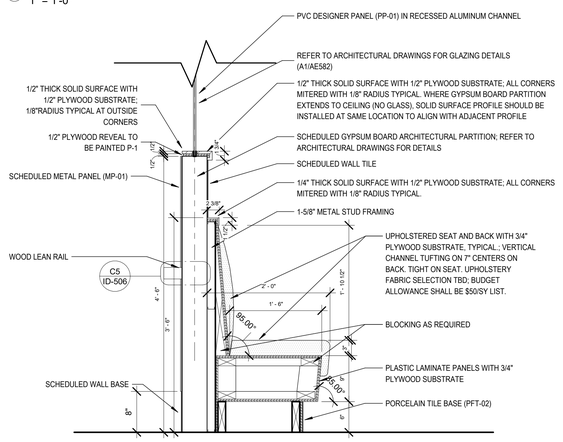
D2 SECTION - UPPER CABINETRY
1" = 1'-0"



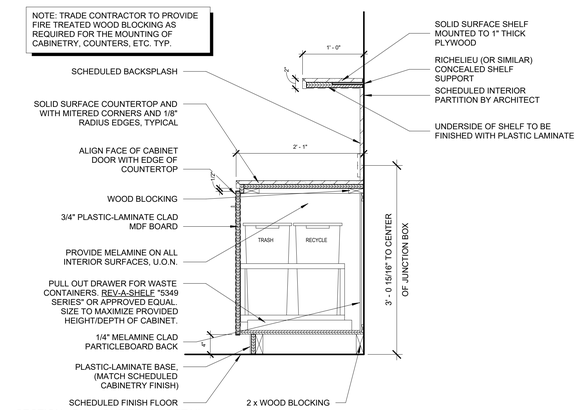
D4 SECTION - LOWER CABINETRY
1" = 1'-0"



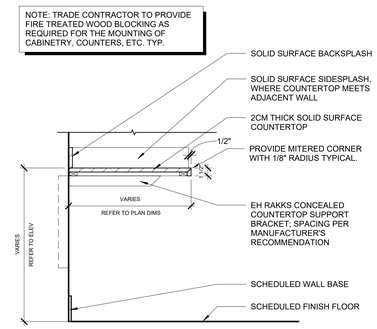
D6 SECTION - WORKSURFACE - PLAM
1" = 1'-0"



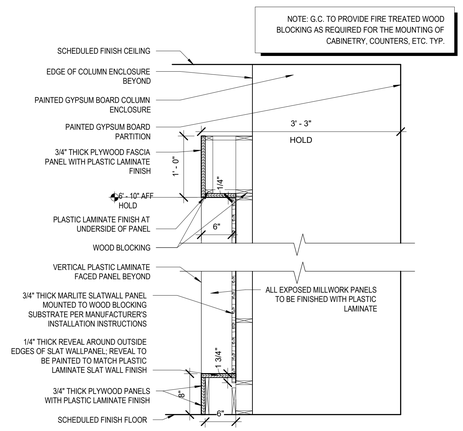
B2 SECTION - MILLWORK BANQUETTE
1" = 1'-0"



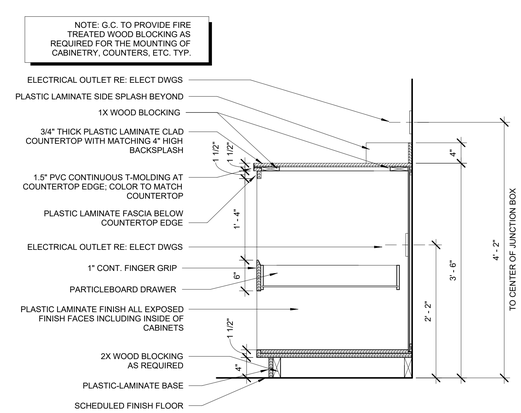
B4 SECTION - PULL OUT TRASH DETAIL
1" = 1'-0"



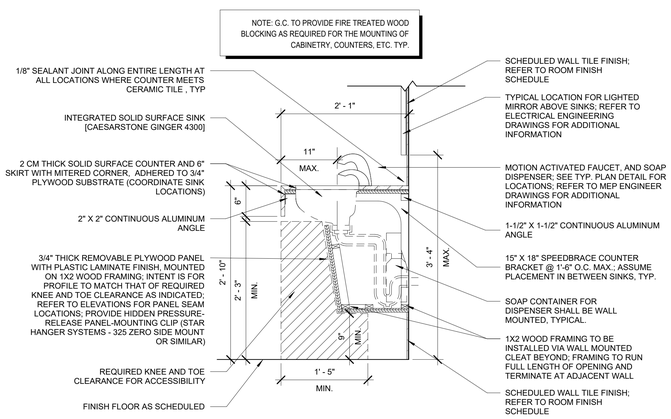
B6 SECTION - WORKSURFACE - SOLID SURFACE
1" = 1'-0"



A2 SECTION - SLAT WALL
1" = 1'-0"



A4 SECTION - PRINTER CABINET
1" = 1'-0"



A6 SECTION - RESTROOM COUNTER - SINK
1" = 1'-0"

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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION

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The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
MILLWORK DETAILS

SCALE: **1" = 1'-0"**
DRAWN BY: **CT**
DATE: **9/23/2022**
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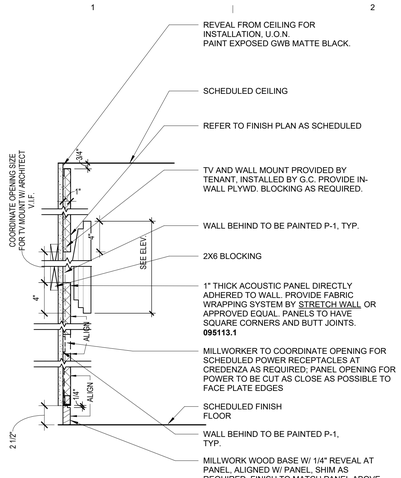
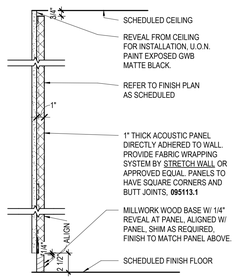


E1 SECTION - ACOUSTIC PANEL @ TV
1 1/2" = 1'-0"



D1 SECTION - ACOUSTIC PANEL
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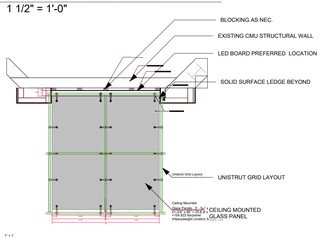
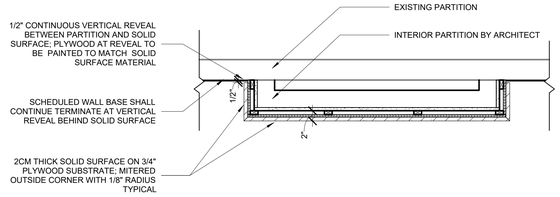
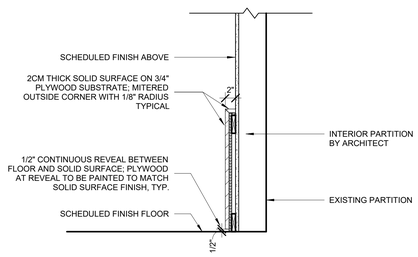


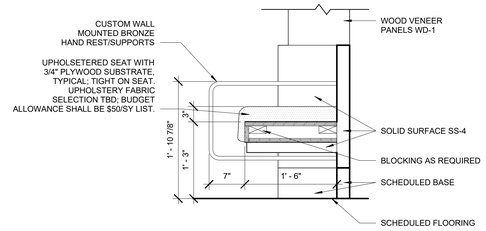
C1 PLAN DETAIL - BACKLIT GLASS
3" = 1'-0"



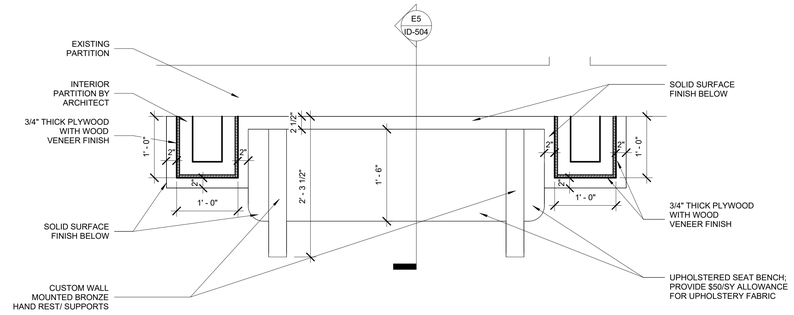
D2 PLAN DETAIL - LANDMARK - SOLID SURFACE
1" = 1'-0"



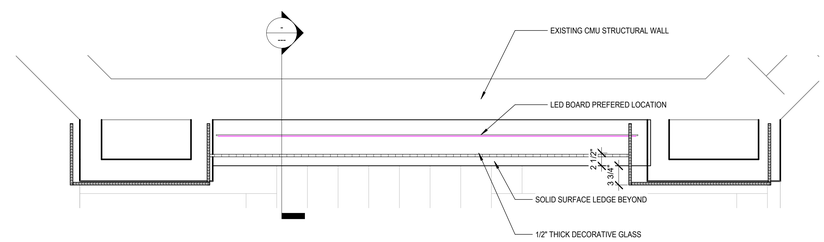
C2 SECTION - LANDMARK - SOLID SURFACE
1" = 1'-0"



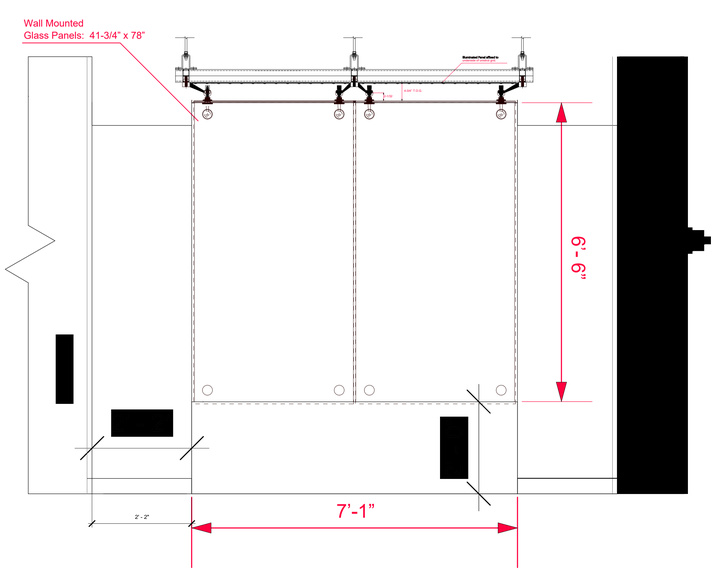
E5 SECTION - BENCH
1" = 1'-0"



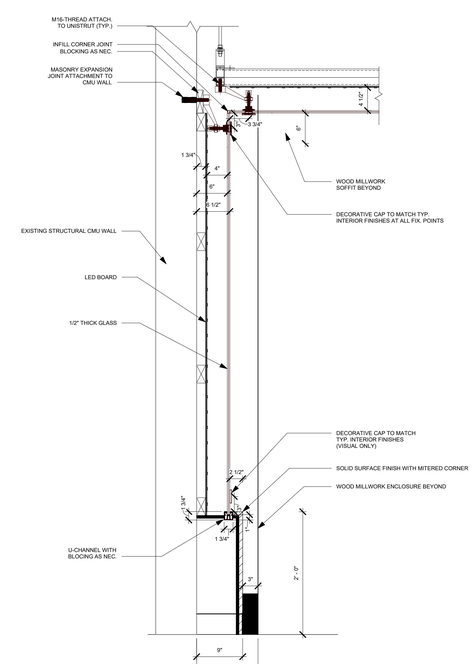
D5 00 - PLAN DETAIL - TOWER E BENCH
1" = 1'-0"



C4 PLAN DETAIL - GLASS BACKLIT PANEL
1" = 1'-0"

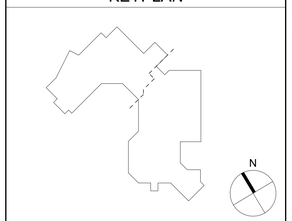


A4 SECTION - BACKLIT CEILING PANELS
3/4" = 1'-0"



A6 GLASS PANELS - GLASS BACKLIT PANEL SECTION
1" = 1'-0"

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
The Towers at Tower Lane

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
MILLWORK DETAILS

SCALE: **As indicated**
DRAWN BY: **CT**
DATE: **9/23/2022**
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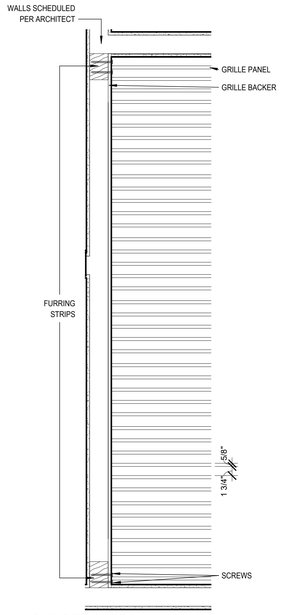
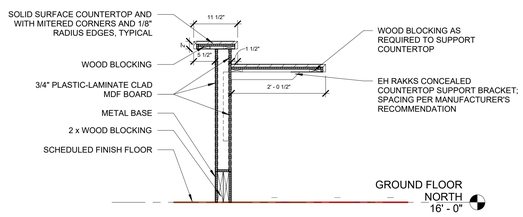
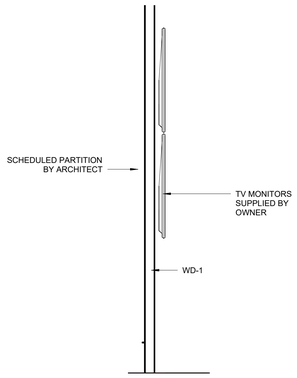


D1 PLAN DETAIL - WDP-1
1" = 1'-0"

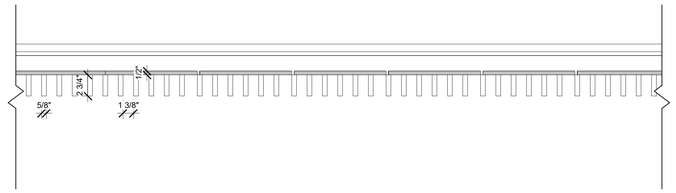
NOTE: TRADE CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING AS REQUIRED FOR THE MOUNTING OF CABINETRY, COUNTERS, ETC. TYP.



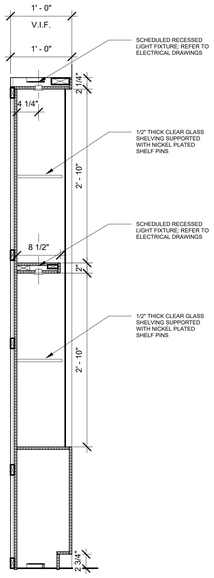
E2 SECTION - CHARLIE'S CAFE COUNTER
3/4" = 1'-0"



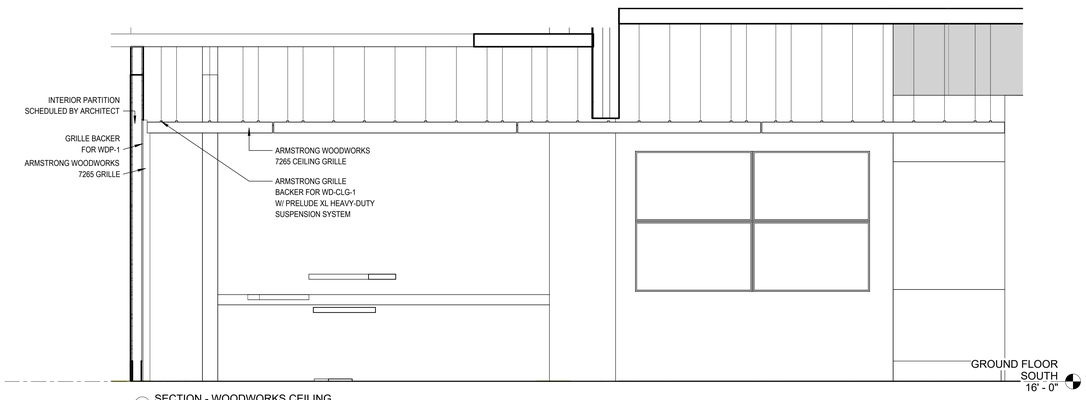
E4 SECTION - WD-1
3/4" = 1'-0"



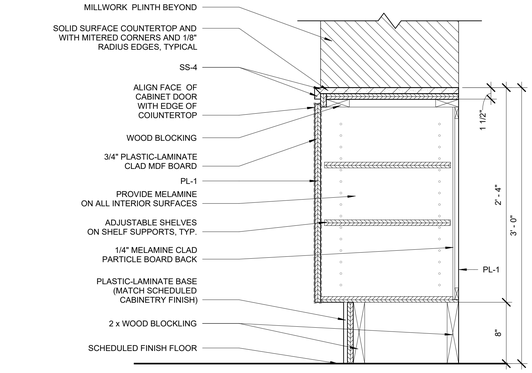
D2 SECTION - WD-CLG-1
1 1/2" = 1'-0"



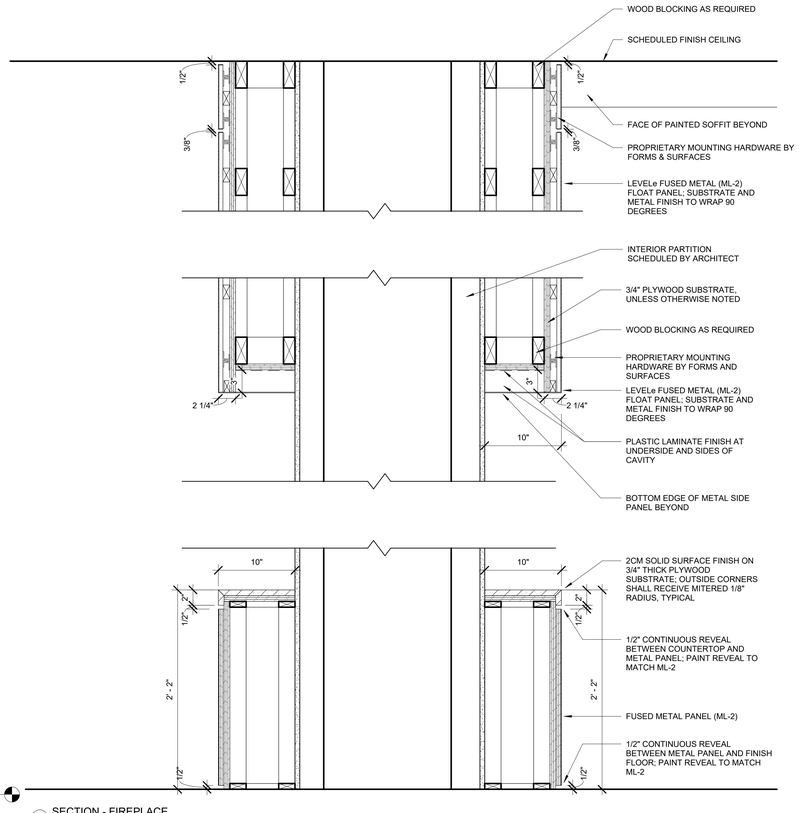
B1 SECTION - JUDAICA DISPLAY
1" = 1'-0"



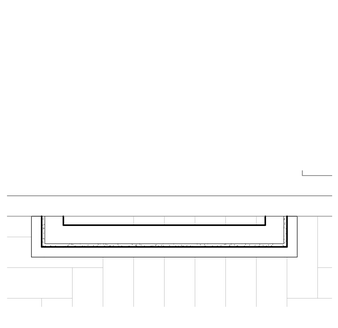
B2 SECTION - WOODWORKS CEILING
1/2" = 1'-0"



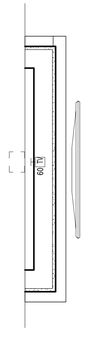
E6 SECTION - SUNROOM CREDENZA
1 1/2" = 1'-0"



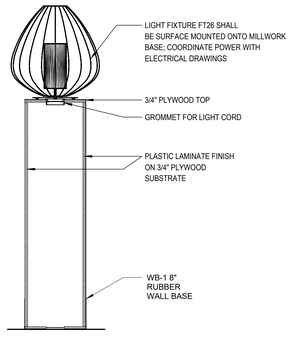
B5 SECTION - FIREPLACE
1 1/2" = 1'-0"



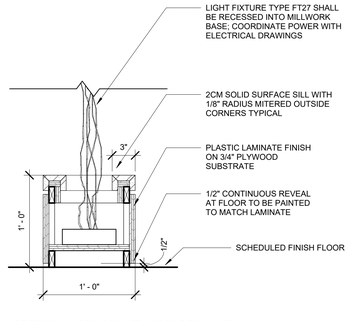
A1 00 - FINISH PLAN - N - TOWER EAST LOBBY - Callout 2
1" = 1'-0"



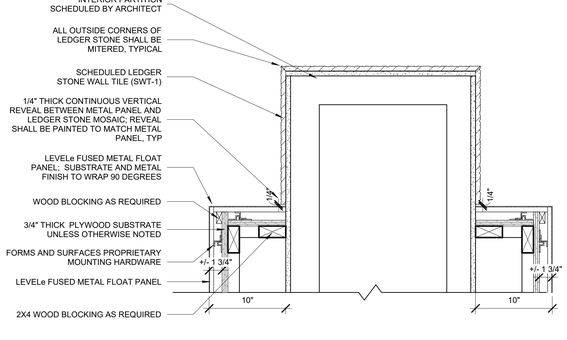
A2 00 - FINISH PLAN - N - TOWER EAST LOBBY - Callout 1
1" = 1'-0"



A3 SECTION - MILLWORK PLINTH
3/4" = 1'-0"



A4 SECTION - LOBBY PLINTH AT FLOOR LAMP
1 1/2" = 1'-0"



A5 PLAN DETAIL - FIREPLACE
1 1/2" = 1'-0"

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NEW HAVEN, CT 06519

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As indicated	CT
DATE: 9/23/2022	CHECKED BY: RC

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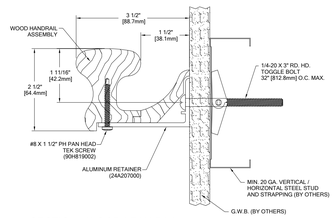
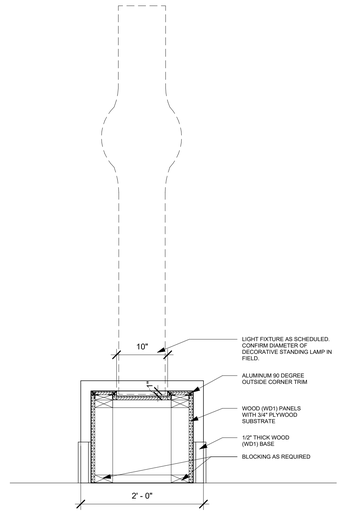
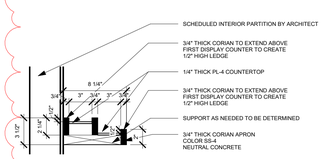


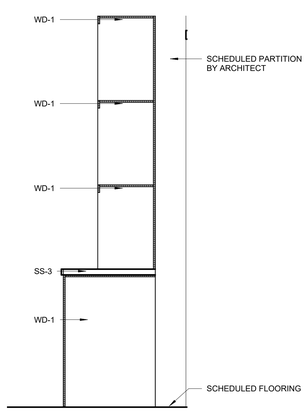
C5 SECTION - WOOD LEAN RAIL
1/4" = 1'-0"



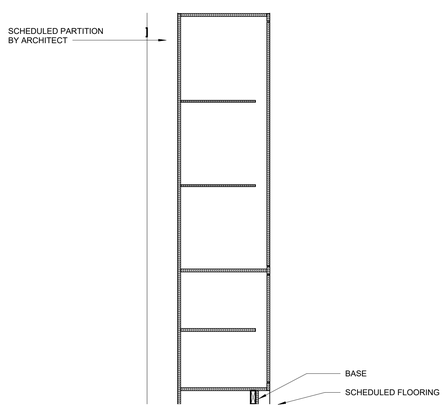
C7 SECTION - DINING LIGHT PLINTH
1" = 1'-0"



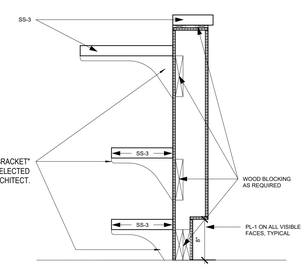
1 SECTION - NAIL SALON - NAIL POLISH DISPLAY
1 1/2" = 1'-0"



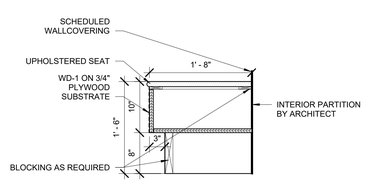
A2 SECTION - TOWER EAST LOUNGE - BOOKCASE
3/4" = 1'-0"



A4 SECTION - TOWER EAST LOUNGE - GAME CABINET
3/4" = 1'-0"

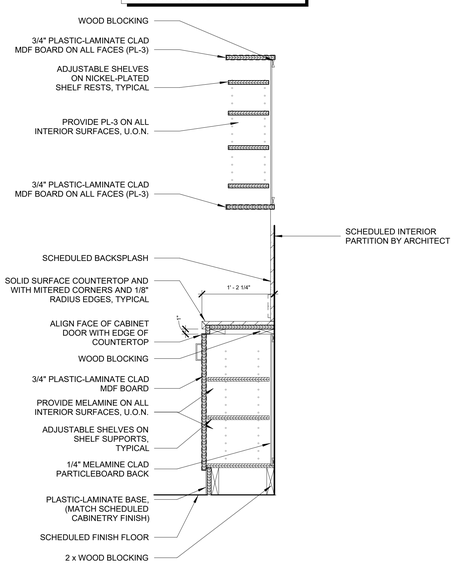


B5 SECTION - LEGION LOUNGE - SERVER STATION
1" = 1'-0"



A5 SECTION - HAIR SALON - BENCH
1" = 1'-0"

NOTE: TRADE CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING AS REQUIRED FOR THE MOUNTING OF CABINETRY, COUNTERS, ETC. TYP.



A7 SECTION - MASSAGE - CORNER CABINETS
1" = 1'-0"

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REVISIONS

NO	DATE	DESCRIPTION
2	10/4/2022	ADDENDUM 2

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PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
202101

DRAWING TITLE:
MILLWORK DETAILS

SCALE: **As indicated**
DRAWN BY: **CT**
DATE: **9/23/2022**
CHECKED BY: **RC**

DRAWING NUMBER:
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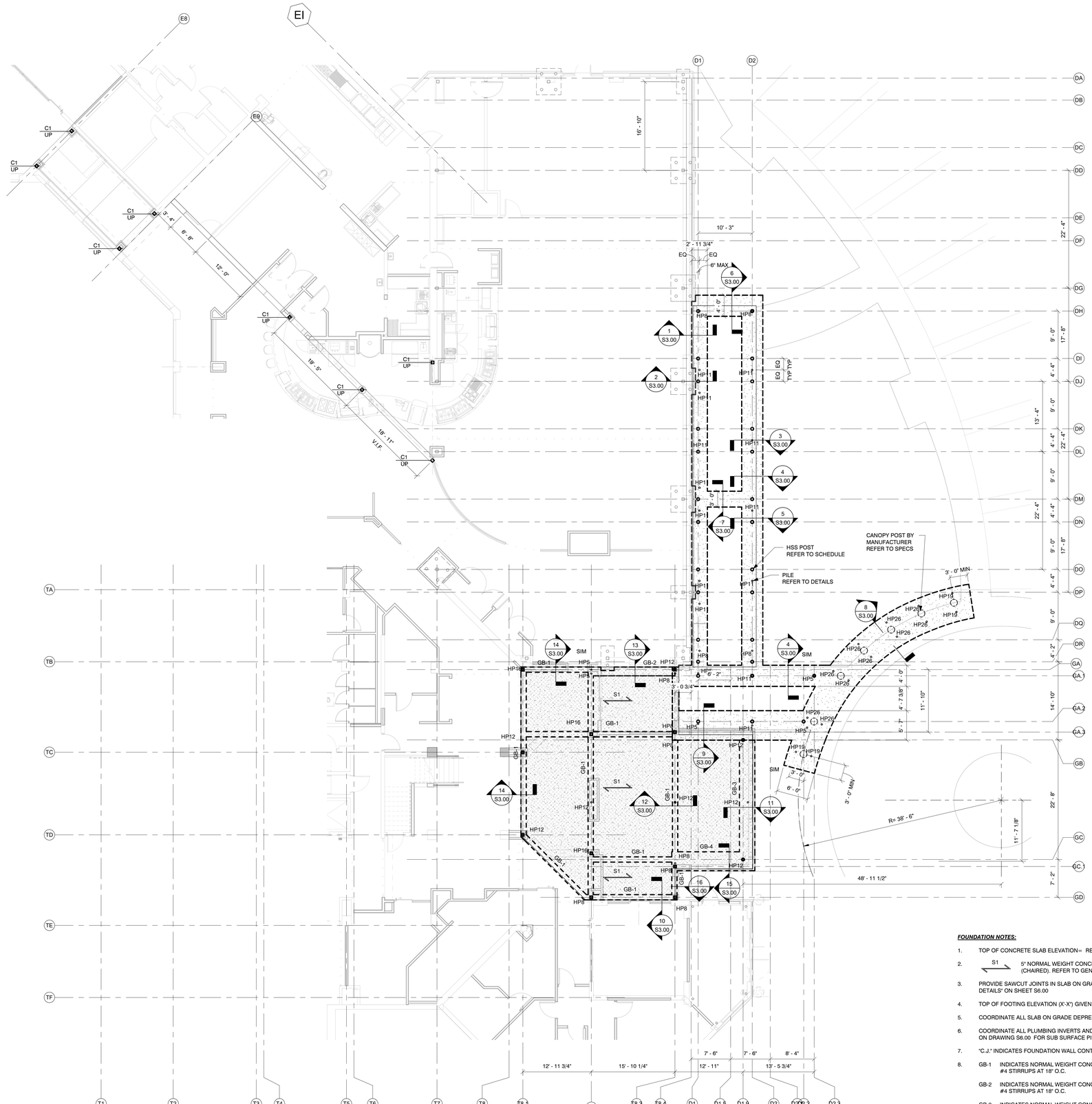


1 FOUNDATION PLAN SOUTH
1/8" = 1'-0"

FOUNDATION NOTES:

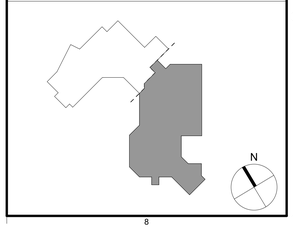
1. TOP OF CONCRETE SLAB ELEVATION= REFER TO PLAN
2. S1 — 5" NORMAL WEIGHT CONCRETE SLAB REINF. WITH #5 REINFORCEMENT AT 12" O.C. (EA WAY) (CHAIRED). REFER TO GENERAL NOTES FOR SUBGRADE REQUIREMENTS.
3. PROVIDE SAWCUT JOINTS IN SLAB ON GRADE PER NOTE #4 ON DRAWINGS S7.00 , AND "TYPICAL SLAB ON GRADE DETAILS" ON SHEET S6.00
4. TOP OF FOOTING ELEVATION (X'-X") GIVEN FROM MAIN LEVEL ELEVATION (0'-0").
5. COORDINATE ALL SLAB ON GRADE DEPRESSIONS WITH ARCH'L DRAWINGS.
6. COORDINATE ALL PLUMBING INVERTS AND LOCATIONS WITH PLUMBING & SITE DRAWINGS REFER TO TYPICAL DETAIL ON DRAWING S6.00 FOR SUB SURFACE PIPING THROUGH FOUNDATION WALLS.
7. "C.J." INDICATES FOUNDATION WALL CONTROL JOINT. REFER TO TYPICAL DETAIL ON DRAWING S-600
8. GB-1 INDICATES NORMAL WEIGHT CONCRETE GRADE BEAM WITH (3)-#5 REINFORCEMENT (TOP AND BOTTOM) WITH #4 STIRRUPS AT 18" O.C.

   GB-2 INDICATES NORMAL WEIGHT CONCRETE GRADE BEAM WITH (4)-#5 REINFORCEMENT (TOP AND BOTTOM) WITH #4 STIRRUPS AT 18" O.C.

   GB-3 INDICATES NORMAL WEIGHT CONCRETE GRADE BEAM WITH (4)-#5 REINFORCEMENT (TOP AND BOTTOM) WITH #4 STIRRUPS AT 18" O.C.

   GB-4 INDICATES NORMAL WEIGHT CONCRETE GRADE BEAM WITH (5)-#5 REINFORCEMENT (TOP AND BOTTOM) WITH #4 STIRRUPS AT 18" O.C.
9. C1 (UP/DOWN) INDICATES HSS6X6X3/8 POST AND DIRECTION UP OR DOWN. PROVIDE 8"x5/8"x1'-0" BASEPLATE WITH (4) 5/8" DIA EXPANSION ANCHORS
10. "HP#" INDICATES HELICAL PILE (OR APPROVED EQUAL) LOCATION AND CORRESPONDING AXIAL FORCE IN KIPS.

KEYPLAN



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
FOUNDATION SOUTH PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	AC/LVP
DATE:	CHECKED BY:
9/23/2022	PJS

DRAWING NUMBER:
S1.01

Autodesk Docs://20200157-The Towers/21-11-MHA_The Towers-Struct.rvt
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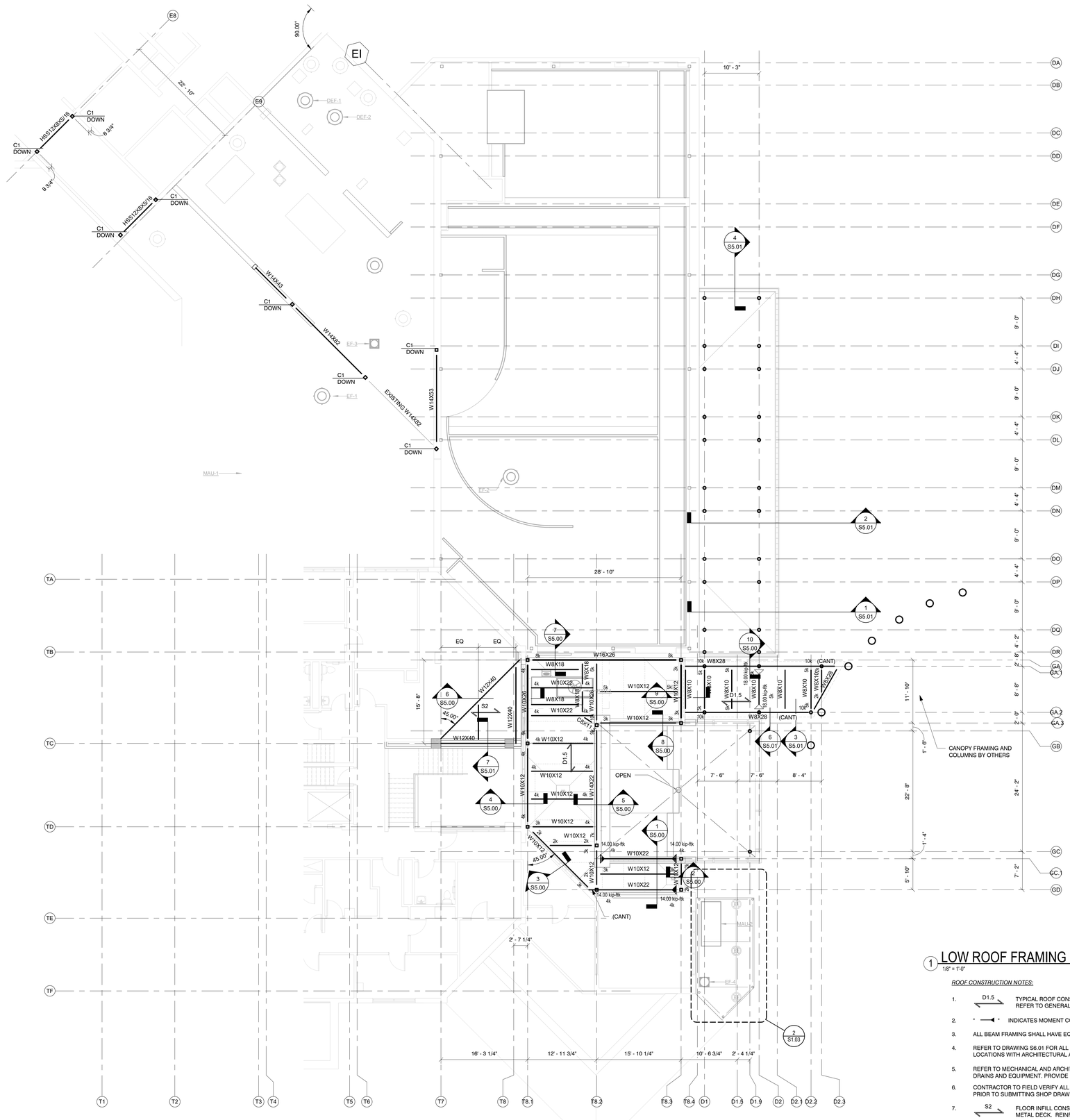
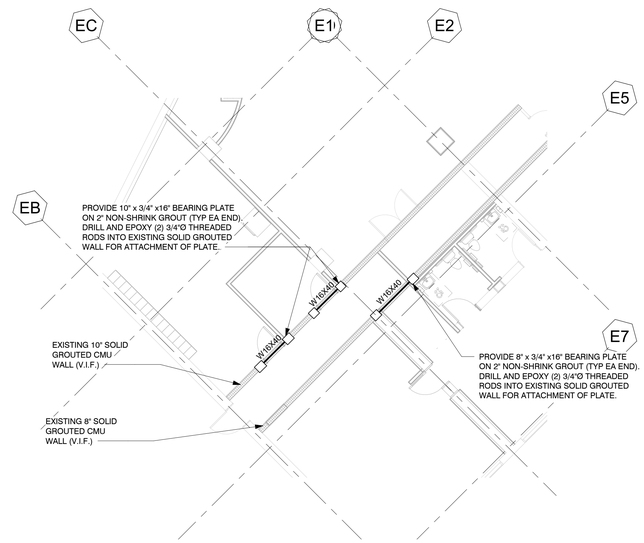


1 LOW ROOF FRAMING PLAN

1/8" = 1'-0"

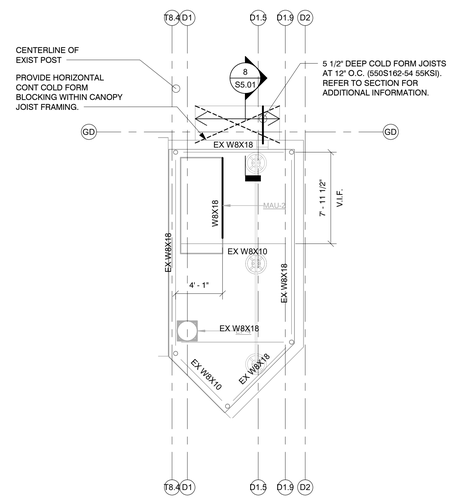
ROOF CONSTRUCTION NOTES:

1. D1.5 — TYPICAL ROOF CONSTRUCTION: 1 1/2 "X20GA. GALVANIZED TYPE "B" METAL ROOF DECK, REFER TO GENERAL NOTES FOR FASTENING REQUIREMENTS.
2. " — " INDICATES MOMENT CONNECTION, REFER TO TYPICAL DETAILS ON DRAWING S6.01
3. ALL BEAM FRAMING SHALL HAVE EQUAL SPACING BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.
4. REFER TO DRAWING S6.01 FOR ALL ROOF FRAMES AT OPENINGS. COORDINATE ALL OPENING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ALL OPENING, DRAINS AND EQUIPMENT. PROVIDE FRAMES PER TYPICAL DETAILS
6. CONTRACTOR TO FIELD VERIFY ALL EXISTING FRAMING SIZES, SPACING AND LOCATIONS PRIOR TO SUBMITTING SHOP DRAWINGS
7. S2 — FLOOR INFILL CONSTRUCTION: 3" NORMAL WEIGHT CONCRETE ON 2" DEEP (18 GAUGE) METAL DECK. REINFORCE WITH 6X6-W2.9XW2.9 WELDED WIRE FABRIC (CHAIRED)
8. C1 (UP/DOWN) — INDICATES HSS6X6X3/8 POST AND DIRECTION UP OR DOWN. PROVIDE 8"x5/8"x1'-0" BASEPLATE WITH (4) 5/8" DIA EXPANSION ANCHORS
9. UNDERSIDE OF DECK ELEVATION= (+X'-XX")



3 PARTIAL SECOND FLOOR FRAMIN PLAN (NORTH)

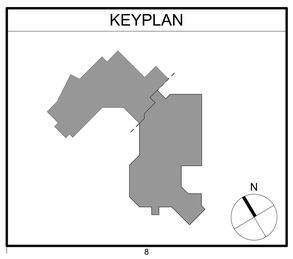
1/8" = 1'-0"



2 PARTIAL ROOF FRAMING PLAN

3/16" = 1'-0"

KEYPLAN



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PARTIAL LOW ROOF FRAMING PLAN

SCALE: **As indicated**
DRAWN BY: **AC/LVP**
DATE: **9/23/2022**
CHECKED BY: **PJS**

DRAWING NUMBER:
S1.03

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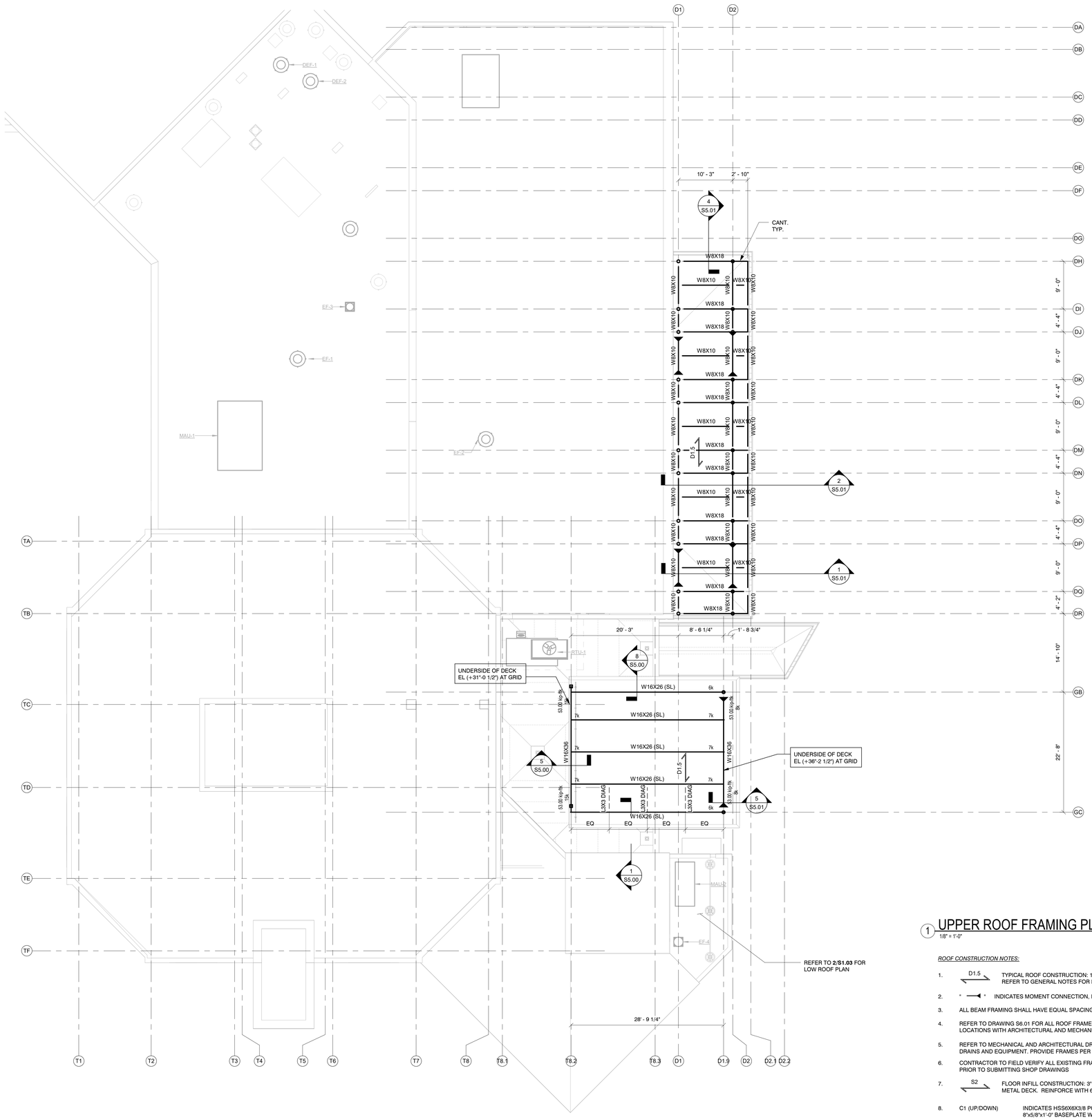


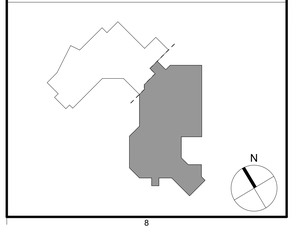
1 UPPER ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF CONSTRUCTION NOTES:

1. D1.5 — TYPICAL ROOF CONSTRUCTION: 1 1/2 "X20GA. GALVANIZED TYPE "B" METAL ROOF DECK, REFER TO GENERAL NOTES FOR FASTENING REQUIREMENTS.
2. " — " INDICATES MOMENT CONNECTION, REFER TO TYPICAL DETAILS ON DRAWING S6.01
3. ALL BEAM FRAMING SHALL HAVE EQUAL SPACING BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.
4. REFER TO DRAWING S6.01 FOR ALL ROOF FRAMES AT OPENINGS. COORDINATE ALL OPENING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ALL OPENING, DRAINS AND EQUIPMENT. PROVIDE FRAMES PER TYPICAL DETAILS
6. CONTRACTOR TO FIELD VERIFY ALL EXISTING FRAMING SIZES, SPACING AND LOCATIONS PRIOR TO SUBMITTING SHOP DRAWINGS
7. S2 — FLOOR INFILL CONSTRUCTION: 3" NORMAL WEIGHT CONCRETE ON 2" DEEP (18 GAUGE) METAL DECK. REINFORCE WITH 6X6-W2.9XW2.9 WELDED WIRE FABRIC (CHAIRED)
8. C1 (UP/DOWN) — INDICATES HSS6X6X3/8 POST AND DIRECTION UP OR DOWN. PROVIDE 8"x5/8"x1'-0" BASEPLATE WITH (4) 5/8" DIA EXPANSION ANCHORS
9. UNDERSIDE OF DECK ELEVATION= (+X'-XX")

KEYPLAN



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PARTIAL UPPER ROOF FRAMING PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **AC/LVP**
DATE: **9/23/2022**
CHECKED BY: **PJS**

DRAWING NUMBER:
S1.04

9/23/2022 11:02:28 AM Autodesk Docs://2020/157-The Towers/21-11-MHA_The Towers-Struct.rvt

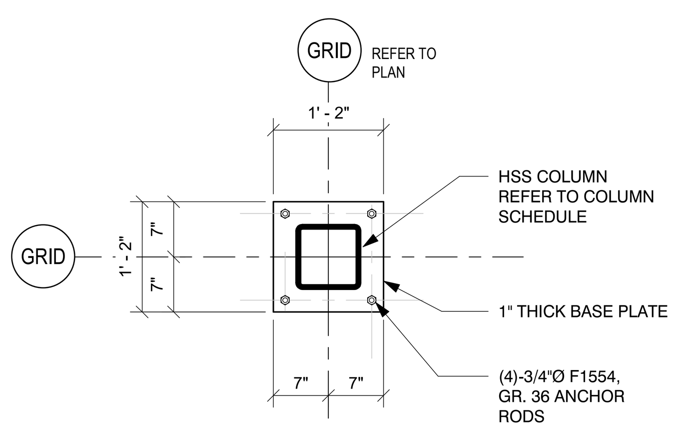
COLUMN SCHEDULE

SECOND FLOOR SOUTH — 38' - 0"
FIRST FLOOR NORTH — 30' - 0"
GROUND FLOOR NORTH — 17' - 4"

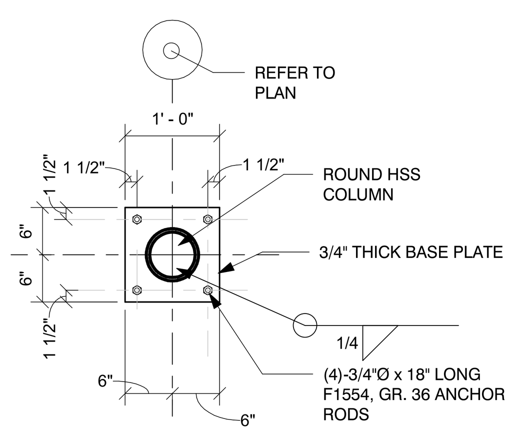
Column Locations	Column
D1-DH	HSS6.625X0.280
D1-DI	HSS6.625X0.280
D1-DJ	HSS6.625X0.280
D1-DK	HSS6.625X0.280
D1-DL	HSS6.625X0.280
D1-DM	HSS6.625X0.280
D1-DN	HSS6.625X0.280
D1-DO	HSS6.625X0.280
D1-DP	HSS6.625X0.280
D1-DQ	HSS6.625X0.280
D1-DR	HSS6.625X0.280
D1-GA.1	HSS6.625X0.280
D1-GA.2	HSS6.625X0.280
D1.9-GB	HSS6.625X.375
D1.9-GC	HSS6.625X.375
D2-DH	HSS6.625X0.280
D2-DI	HSS6.625X0.280
D2-DJ	HSS6.625X0.280
D2-DK	HSS6.625X0.280
D2-DL	HSS6.625X0.280
D2-DM	HSS6.625X0.280
D2-DN	HSS6.625X0.280
D2-DO	HSS6.625X0.280
D2-DP	HSS6.625X0.280
D2-DQ	HSS6.625X0.280
D2-DR	HSS6.625X0.280
D2-GA.1	HSS6.625X0.280
D2-GA.2	HSS6.625X0.280
D2.2-GA.2	HSS6.625X0.280
D2.3-GA.1	HSS6.625X0.280
T8.1-GA	HSS6X6X5/16
T8.1-TC	HSS6X6X5/16
T8.1-TD	HSS6X6X5/16
T8.2-GA.3(-5")	HSS6X6X5/16
T8.2-GC(1' - 2")	HSS6X6X5/16
T8.2-GD	HSS6X6X5/16
T8.3-GA	HSS6X6X5/16
T8.3-GA.3	HSS6X6X5/16
T8.3-GC.1	HSS6X6X5/16
T8.3-GD	HSS6X6X5/16

COLUMN SCHEDULE NOTES:

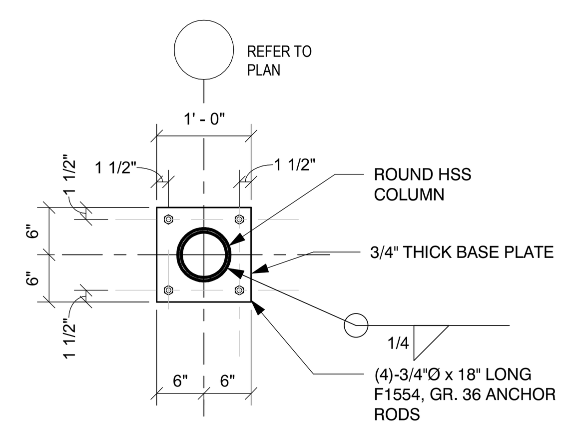
1. LINE AT BOTTOM OF COLUMN INDICATES BOTTOM OF STEEL BASE PLATE. ADD 2" FOR GROUT AND LEVELING NUTS FOR TOP OF CONCRETE ELEVATION SEE COLUMN PIER SCHEDULE.
   IF NO PIER DETAIL IS GIVEN. COLUMN SITS DIRECTLY ON FOOTING OR STEEL BEAM.
2. APPROXIMATE TOP OF COLUMN ELEVATION. FOR ACTUAL ELEVATION SEE PLANS AND SECTIONS.
3. PROVIDE 1/4" CAP PLATE AT ALL HSS COLUMNS & 3/4" CAP PLATE AT ALL WIDE FLANGE COLUMNS UNLESS OTHERWISE NOTED.



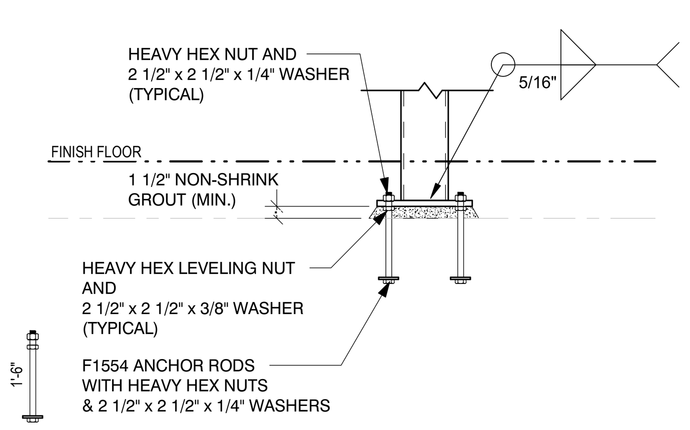
BASE PLATE BP-1



BASE PLATE BP-2



BASE PLATE BP-3



1 TYPICAL COLUMN BASE PLATE DETAIL
3/4" = 1'-0"

COLUMN PIER SCHEDULE

GRID	T/CONC	BASE PLATE
D1-DH	-8"	BP-3
D1-DI	-8"	BP-3
D1-DJ	-8"	BP-2
D1-DK	-8"	BP-3
D1-DL	-8"	BP-3
D1-DM	-8"	BP-2
D1-DN	-8"	BP-3
D1-DO	-8"	BP-3
D1-DP	-8"	BP-2
D1-DQ	-8"	BP-3
D1-DR	-8"	BP-3
D1-GA.1	-8"	BP-3
D1-GA.2	-8"	BP-3
D1.9-GB	0"	BP-3
D1.9-GC	0"	BP-3
D2-DH	-8"	BP-3
D2-DI	-8"	BP-3
D2-DJ	-8"	BP-3
D2-DK	-8"	BP-3
D2-DL	-8"	BP-3
D2-DM	-8"	BP-3
D2-DN	-8"	BP-3
D2-DO	-8"	BP-3
D2-DP	-8"	BP-3
D2-DQ	-8"	BP-3
D2-DR	-8"	BP-3
D2-GA.1	-8"	BP-3
D2-GA.2	-8"	BP-3
D2.2-GA.2	-8"	BP-3
D2.3-GA.1	-8"	BP-3
T8.1-GA	0"	BP-1
T8.1-TC	0"	BP-1
T8.1-TD	0"	BP-1
T8.2-GA.3(-5")	0"	BP-1
T8.2-GC(1' - 2")	0"	BP-1
T8.2-GD	0"	BP-1
T8.3-GA	0"	BP-1
T8.3-GA.3	0"	BP-1
T8.3-GC.1	0"	BP-1
T8.3-GD	0"	BP-1

NOTE:

1. REFER TO DRAWING S2.00 FOR BASE PLATE DETAILS
2. TOP OF CONCRETE IS GIVEN FROM MAIN LEVEL FINISHED FLOOR ELEVATION (0'-0")

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PROJECT NUMBER:
20200157

DRAWING TITLE:
COLUMN SCHEDULE AND DETAILS

SCALE: **As indicated**
DRAWN BY: **AC/LVP**
DATE: **9/23/2022**
CHECKED BY: **PJS**

DRAWING NUMBER:
S2.00

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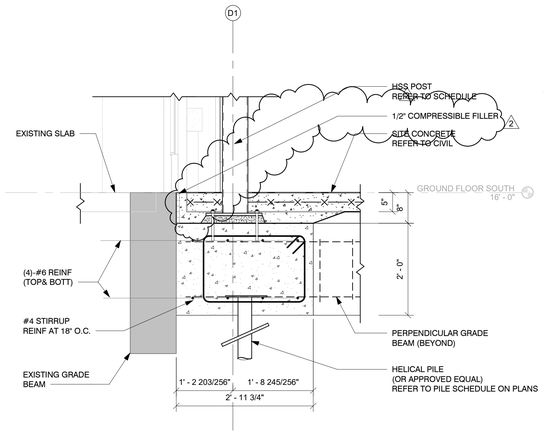
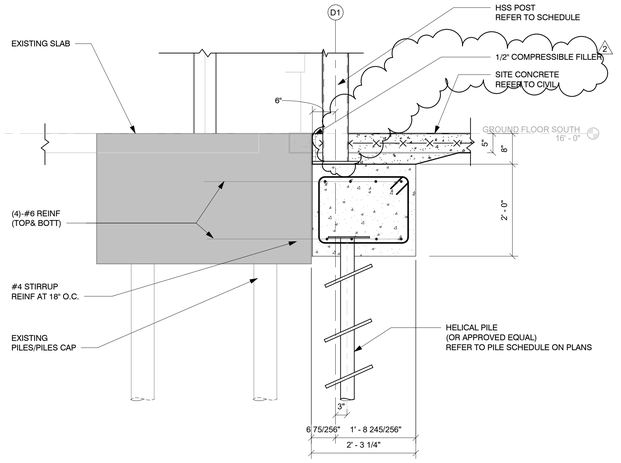


1 SECTION
3/4" = 1'-0"



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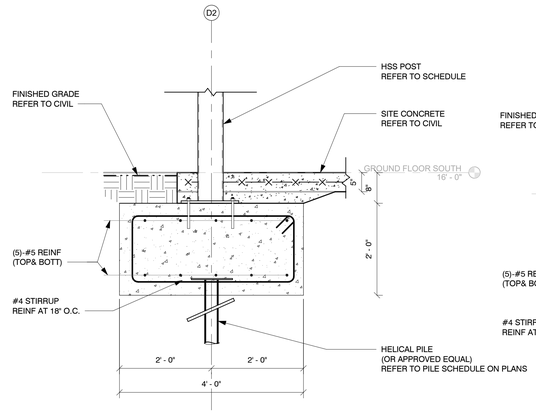

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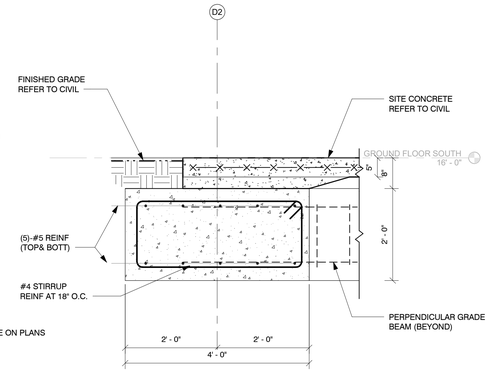
3/4" = 1'-0"



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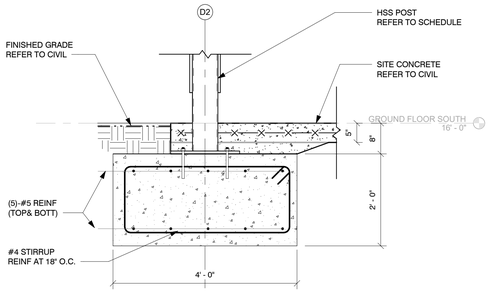
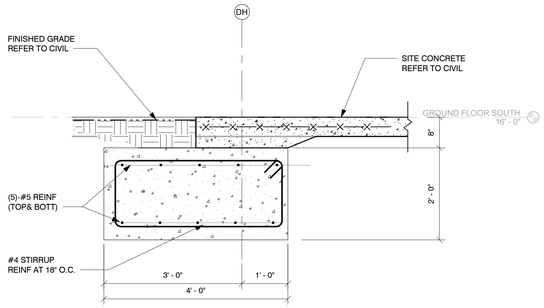
3/4" = 1'-0"



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



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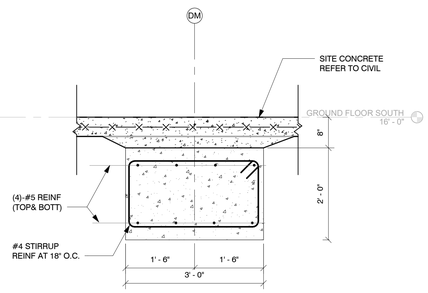

7 SECTION
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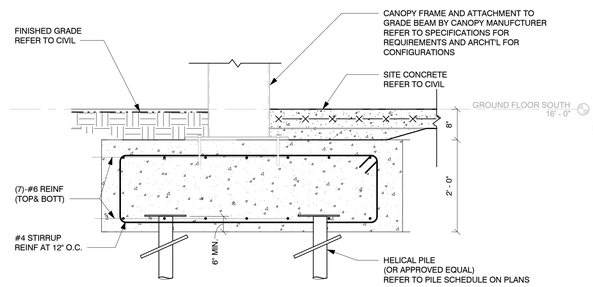

8 SECTION
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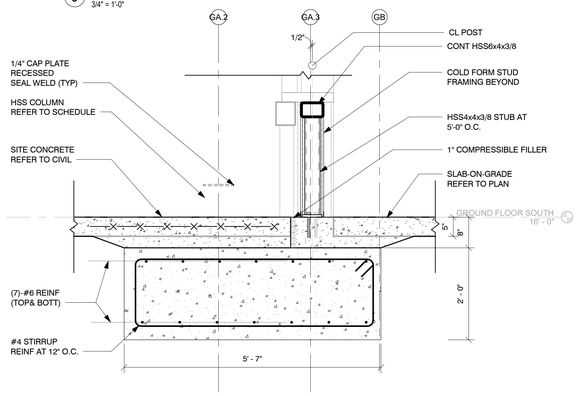

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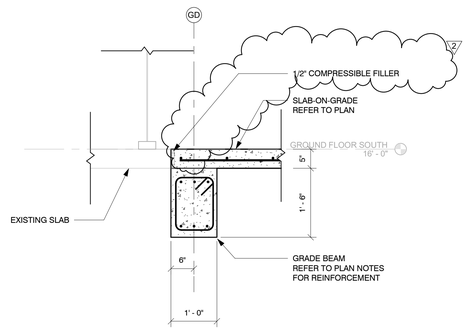

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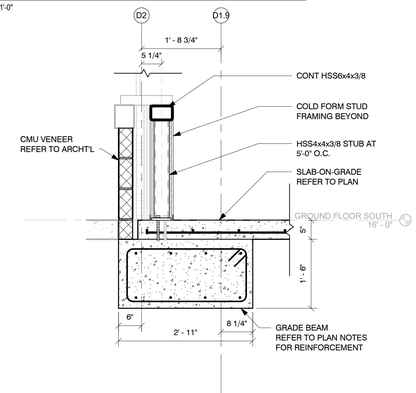
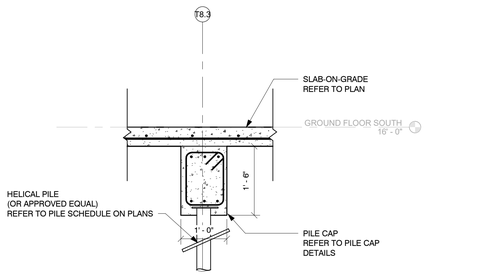
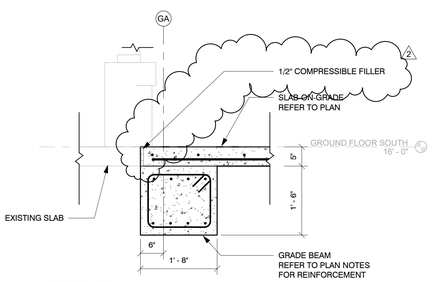
3/4" = 1'-0"



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



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



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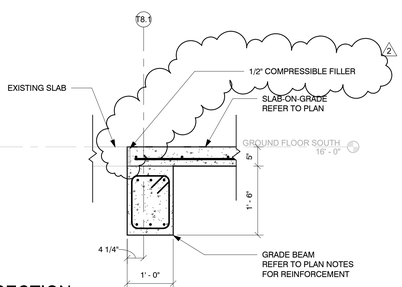

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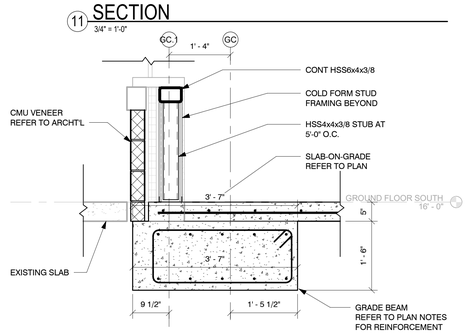

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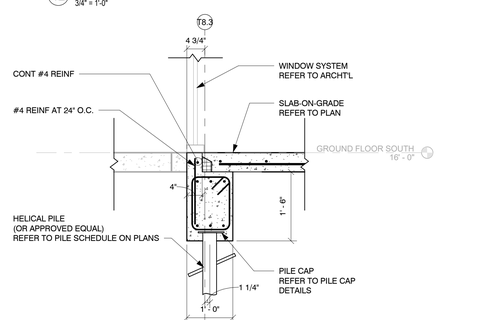

16 SECTION
3/4" = 1'-0"

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203.772.1990 Fax 203.772.1997
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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
2	10/25/2022	SSI#1
1	10/05/2022	Permit Set

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

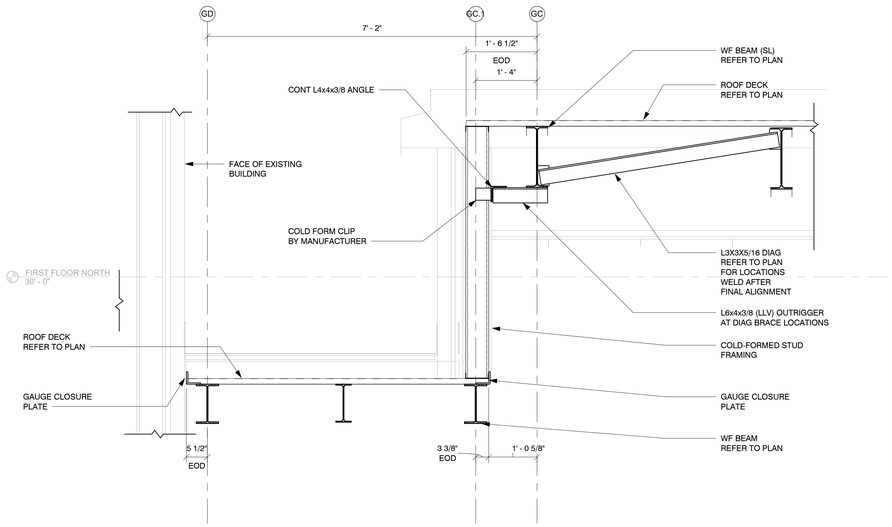
PROJECT NUMBER:
20200157

DRAWING TITLE:
FOUNDATION SECTIONS

SCALE: **3/4" = 1'-0"**
DRAWN BY: **AC/LVP**
DATE: **9/23/2022**
CHECKED BY: **PJS**

DRAWING NUMBER:
S3.00

10/25/2022 10:11:39 AM Autodesk Docs://20200157-The Towers Renovation and Expansion/21-11-MHA_The Towers-Struct.rvt



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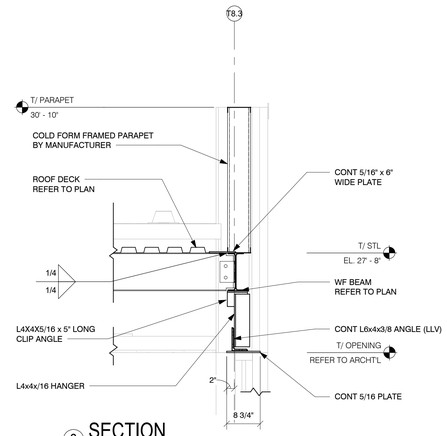

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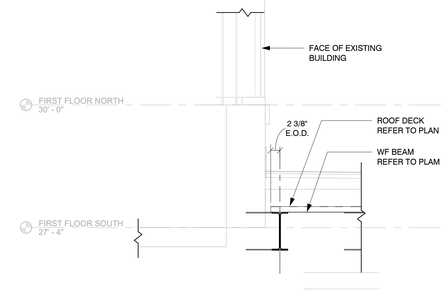

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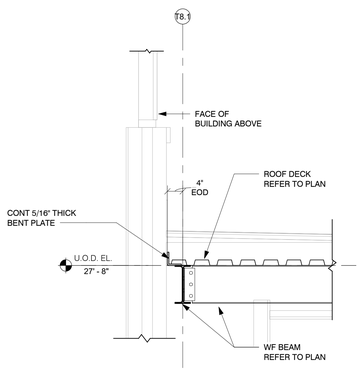

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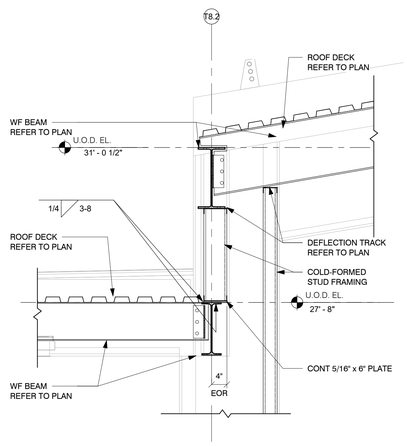

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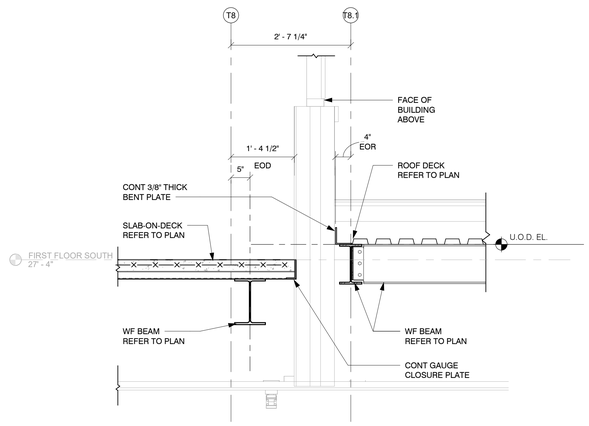

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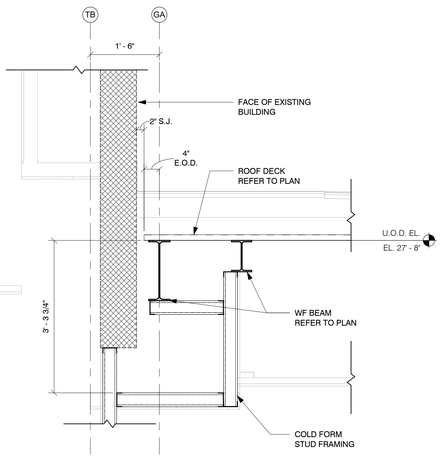
3/4" = 1'-0"



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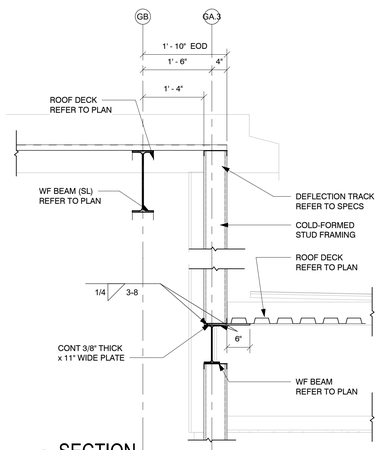
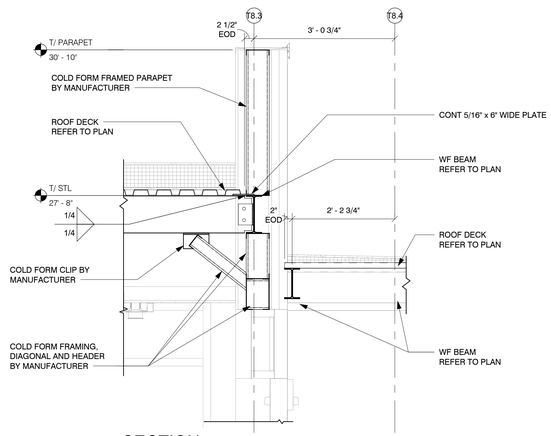
3/4" = 1'-0"



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



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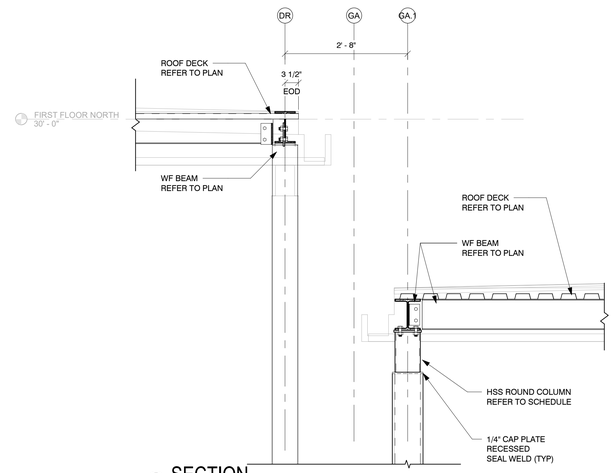
3/4" = 1'-0"



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

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ARCHITECTS

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ROOF SECTIONS

SCALE:	DRAWN BY:
3/4" = 1'-0"	AC/LVP
DATE: 9/23/2022	CHECKED BY: PJS

DRAWING NUMBER:
S5.00

Autodesk Docs://2020157-The Towers/21-11-MHA_The Towers-Struct.rvt
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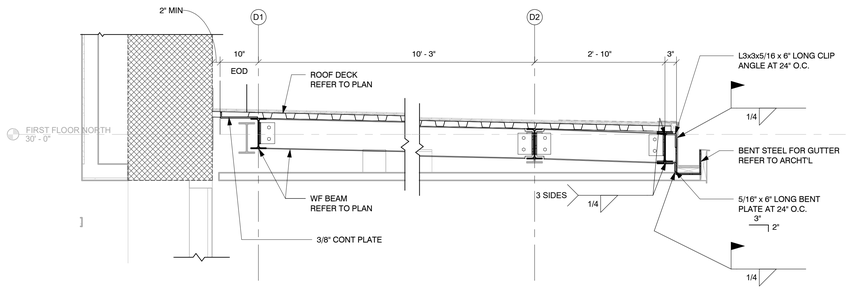

1 SECTION
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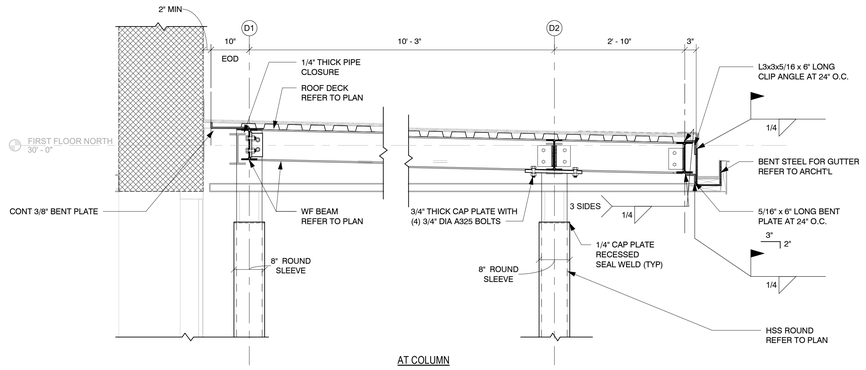
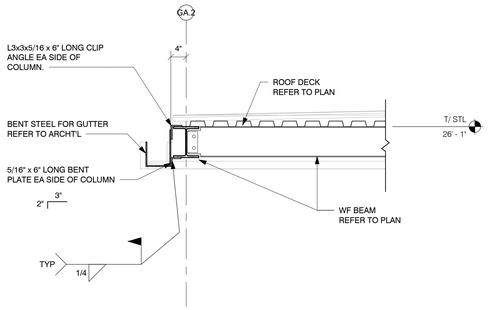


AT COLUMN

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



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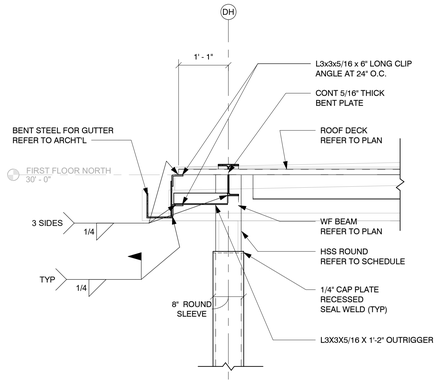
3/4" = 1'-0"



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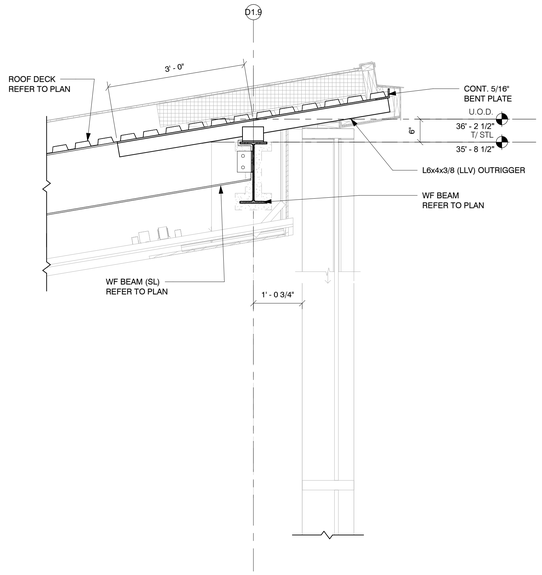
3/4" = 1'-0"



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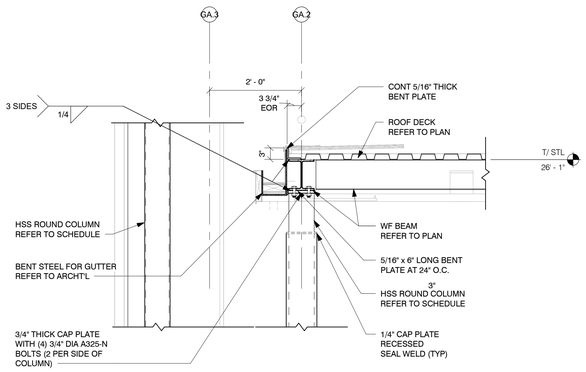
3/4" = 1'-0"



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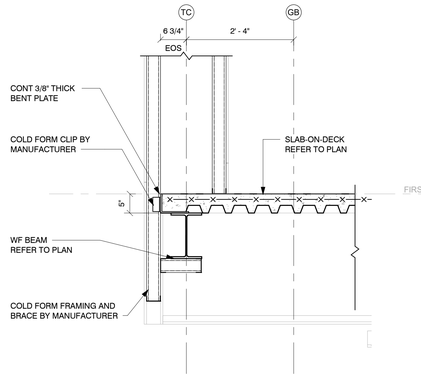
3/4" = 1'-0"



7 SECTION
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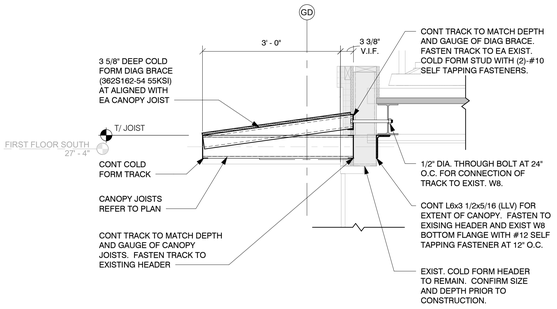

8 SECTION
3/4" = 1'-0"

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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ROOF SECTIONS

SCALE: **3/4" = 1'-0"**
DRAWN BY: **AC/LVP**
DATE: **9/23/2022**
CHECKED BY: **PJS**

DRAWING NUMBER:
S5.01

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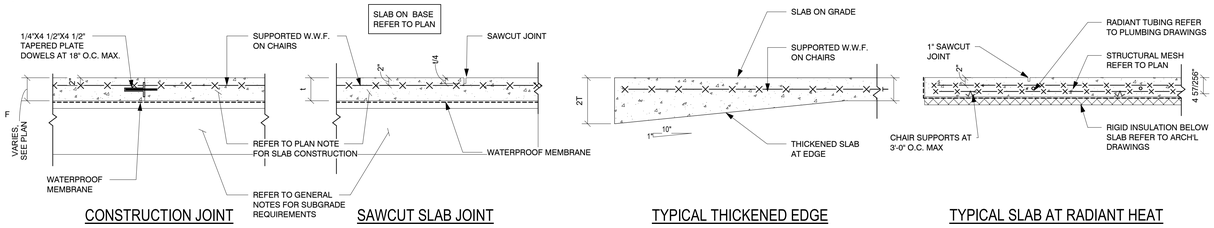
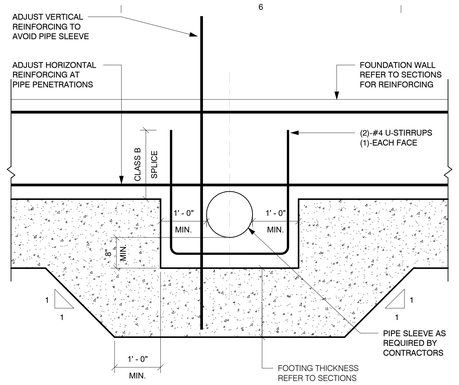


CONSTRUCTION JOINT | SAWCUT SLAB JOINT | TYPICAL THICKENED EDGE | TYPICAL SLAB AT RADIANT HEAT

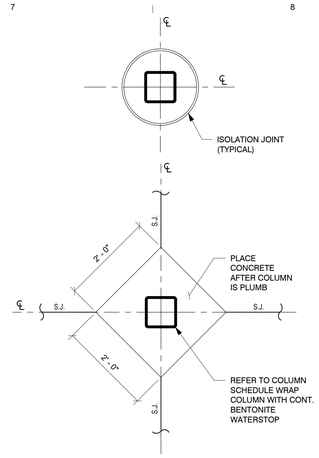
NOTE:
CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE PROPOSED LOCATION OF CONTROL AND CONSTRUCTION JOINTS PRIOR TO PLACING CONCRETE FOR SLAB.
REFER TO GENERAL NOTES FOR SUBGRADE PREPERATION. REMOVE ALL FILL MATERIALS BELOW SLAB ON GRADE

1 TYPICAL SLAB ON GRADE DETAIL -RADIANT
3/4" = 1'-0"

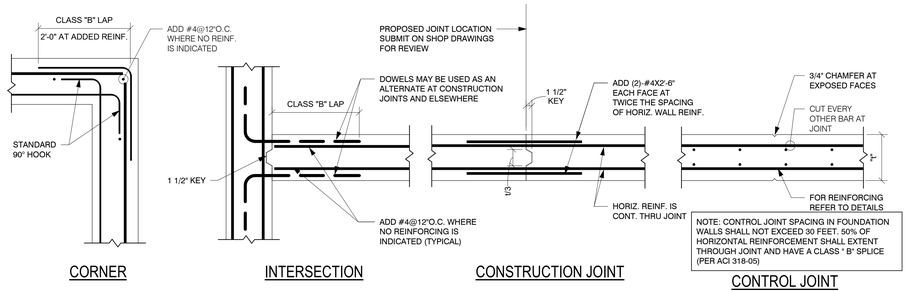


NOTE: DO NOT PLACE PENETRATIONS THROUGH COLUMNS PIERS OR FOOTINGS.
REFER TO PLAN FOR LOCATIONS AND COORDINATE WITH SITE, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DRAWINGS.

2 TYPICAL DETAIL OF PIPE PENETRATIONS THRU FOUNDATION WALLS
3/4" = 1'-0"



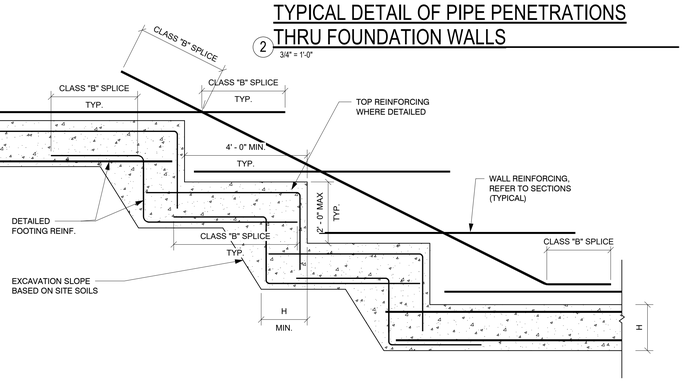
3 TYPICAL SLAB CONSTRUCTION JOINTS AT COLUMNS
3/4" = 1'-0"



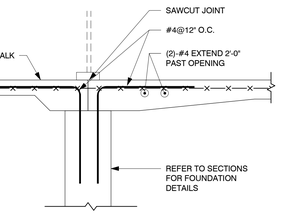
CORNER | INTERSECTION | CONSTRUCTION JOINT | CONTROL JOINT

NOTED "CJ" ON PLAN

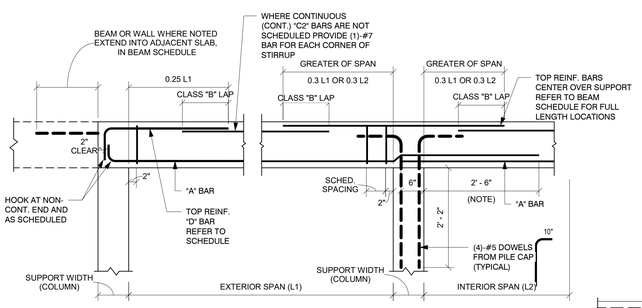
4 TYPICAL WALL REINFORCING DETAIL
3/4" = 1'-0"



5 TYPICAL STEPPED FOOTING DETAIL
1/2" = 1'-0"



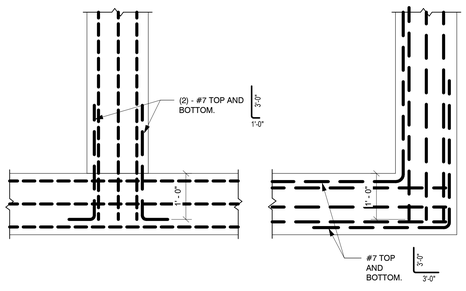
6 TYPICAL FOUNDATION AT DOORS
3/4" = 1'-0"



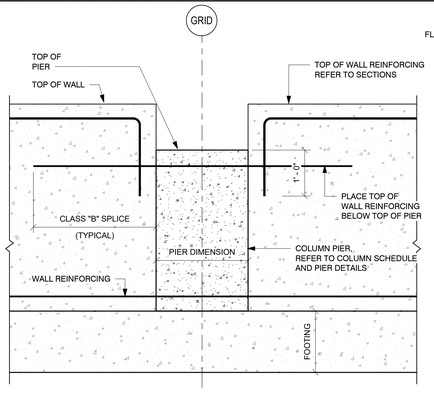
DISCONTINUOUS SUPPORT | CONTINUOUS SUPPORT

1. LEFT END OF BEAM IS EAST OR SOUTH, RIGHT END OF BEAM IS WEST OR NORTH.
2. BOTTOM REINFORCING, EXTEND 48 BAR DIAMETERS BEYOND FACE OF SUPPORT, RIGHT END ONLY.
3. IN ADDITION TO THE SCHEDULED REINFORCING, PROVIDE ADDITIONAL HORIZ. REINFORCING IN VERTICAL FACES OF GRADE BEAMS FOR ALL BEAMS GREATER THAN 36" DEEP, REFER TO THE NOTES IN THE GRADE BEAM SCHEDULE.
4. THE FIRST STIRRUP AT EACH END SHALL BE PLACED 2" FROM THE SUPPORT. SUBSEQUENT STIRRUPS SHALL BE PLACED AS INDICATED IN THE SCHEDULE. THE SCHEDULE GIVES THE NUMBER OF SPACES, NOT THE NUMBER OF STIRRUPS.
5. SCHEDULED STIRRUP SPACING IS THE SAME AT EACH END UNLESS OTHERWISE NOTED.
6. PLACE CONCRETE FOR COLUMN OR PIER TO BOTTOM OF BEAM. BEAM PLACEMENT SHALL BE CONTINUOUS OVER PIER OR COLUMN.

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

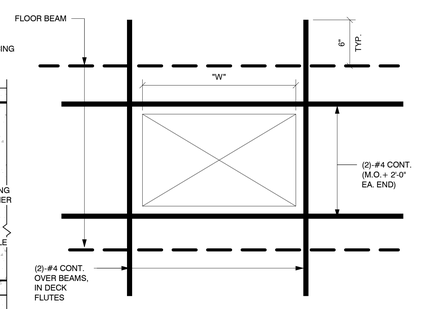


7A TYPICAL GRADE BEAM CORNER REINFORCING
3/4" = 1'-0"



NOTE: REFER TO SECTIONS FOR REINFORCING.

8 TYPICAL WALL REINFORCING DETAIL
3/4" = 1'-0"

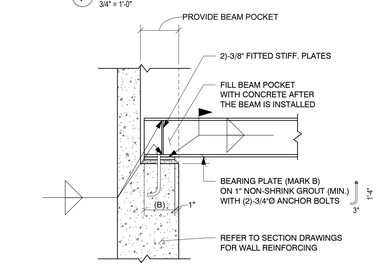


NOTES:
1. FOR OPENINGS WITH "W" GREATER THAN 4'-0" SUBMIT LOCATION FOR REVIEW.
2. FOR STEEL FRAME, REFER TO TYPICAL FLOOR OPENING DETAIL
3. COORDINATE QUANTITY AND LOCATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

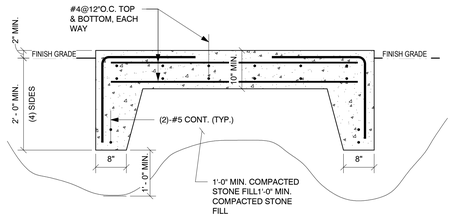
LAP SCHEDULE

SIZE	4500 PSI	
	TOP	OTHERS
#3	24"	19"
#4	32"	25"
#5	40"	31"
#6	48"	37"
#7	70"	54"
#8	80"	62"
#9	91"	70"

9 TYPICAL SLAB OPENING DETAIL
1 1/2" = 1'-0"

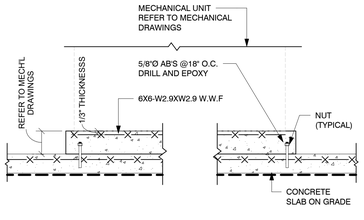


10 TYP BEAM BEARING PLATE DETAIL
3/4" = 1'-0"



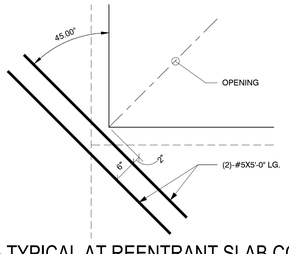
1. COORDINATE WITH MECHANICAL DRAWING FOR QUANTITY, SIZE AND LOCATION. 2. PROVIDE PADS AT GENERATORS, REFRIDGERATOR AND FREEZER UNITS. COORDINATE WITH ELECTRICAL & KITCHEN DRAWINGS FOR SIZE AND LOCATION.

11 TYPICAL CONCRETE EQUIPMENT PAD ON GRADE
3/4" = 1'-0"

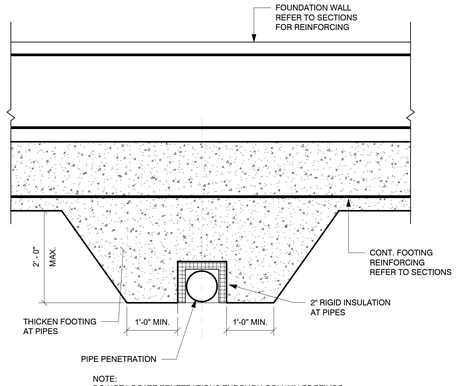


1. COORDINATE WITH MECHANICAL DRAWING FOR QUANTITY, SIZE AND LOCATION

TYPICAL NEW CONCRETE PAD ON CONCRETE SLAB ON GRADE
3/4" = 1'-0"



13 TYPICAL AT REENTRANT SLAB CORNERS
3/4" = 1'-0"



NOTE:
DO NOT LOCATE PENETRATIONS THROUGH COLUMN FOOTINGS.
COORDINATE WITH SITE, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DRAWINGS, FOR LOCATIONS AND ELEVATIONS

14 TYP DETAIL OF PIPE PENETRATIONS BELOW FOOTING
3/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION

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THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
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PROJECT NUMBER:
20200157

DRAWING TITLE:
TYPICAL DETAILS

SCALE:	DRAWN BY:
As indicated	**AC**
DATE:	CHECKED BY:
9/23/2022	**PJS**

DRAWING NUMBER:
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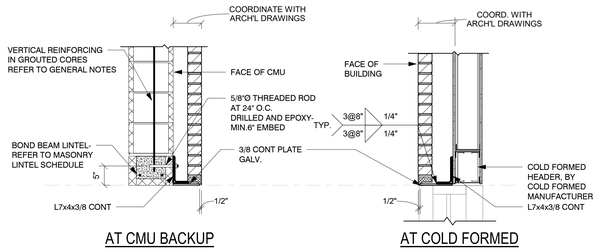
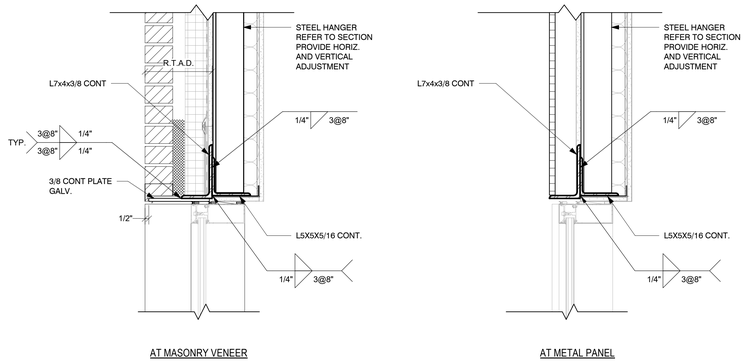
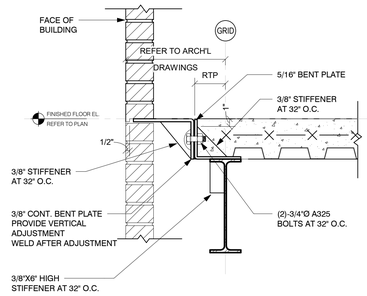


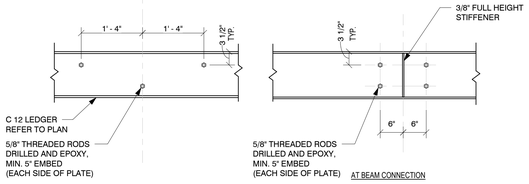
1 TYPICAL EXTERIOR LOOSE LINTEL.
3/4" = 1'-0"



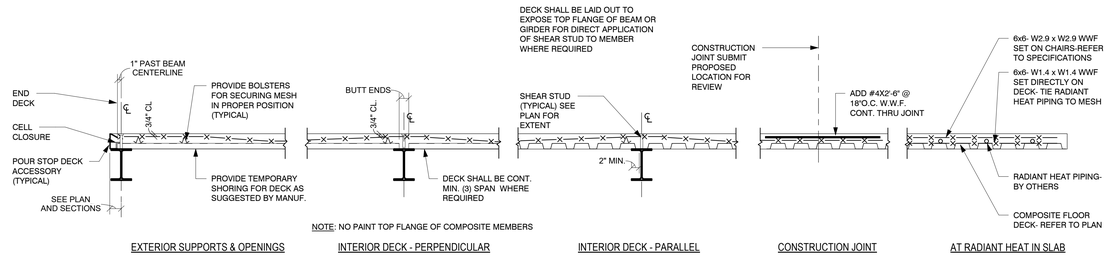
2 TYPICAL HUNG ANGLE DETAIL.
1 1/2" = 1'-0"



3 TYPICAL RELIEVING ANGLE.
1 1/2" = 1'-0"

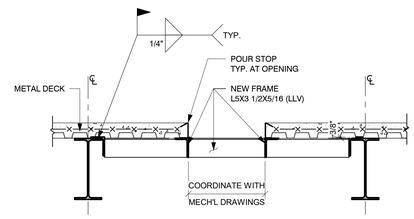


4 TYPICAL LEDGER BOLTING DETAIL
3/4" = 1'-0"



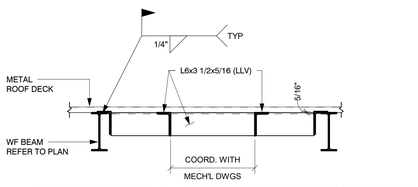
NOTE: REFER TO PLAN NOTES FOR FLOOR CONSTRUCTION.

5 TYPICAL SUPPORTED SLAB DETAILS
3/4" = 1'-0"



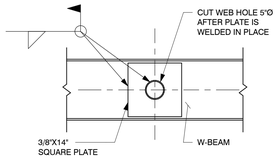
1. TYPICAL FOR ALL OPENINGS.
2. FRAMES TO BE SHOP WELDED ASSEMBLY.
3. FOR LOCATION, SIZE AND QUANTITY REQUIRED SEE ARCH'L. AND MECH'L. DRAWINGS.

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

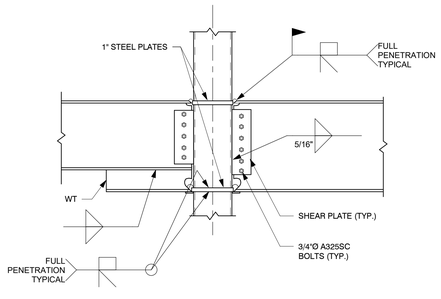


1. TYPICAL FOR ALL OPENINGS 4'-0"X4'-0" OR LESS. FOR LARGER OPENINGS SEE SPECIFIC DETAILS.
2. SIMILAR FRAMES FOR ROOF DRAIN OPENINGS.
3. FRAMES TO BE SHOP WELDED ASSEMBLY.
4. FOR LOCATION, SIZE AND QUANTITY REQUIRED SEE ARCH'L. AND MECH'L. DRAWINGS.

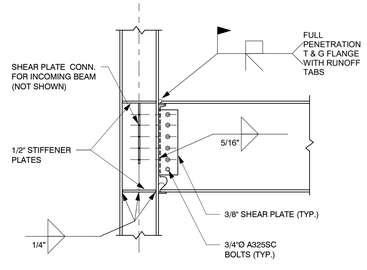
7 TYPICAL ROOF FRAME OPENING DETAIL (W BEAM)
3/4" = 1'-0"



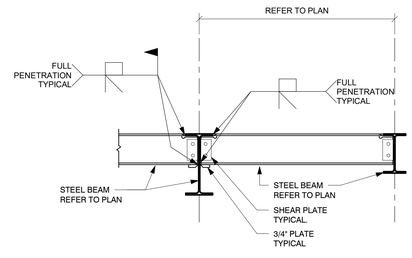
8 PIPE PENETRATION DETAIL
3/4" = 1'-0"



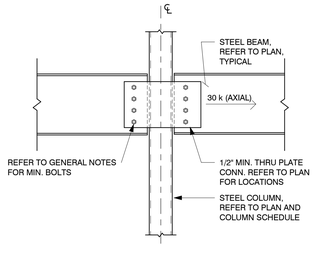
9 TYPICAL MOMENT CONNECTION DETAIL
3/4" = 1'-0"



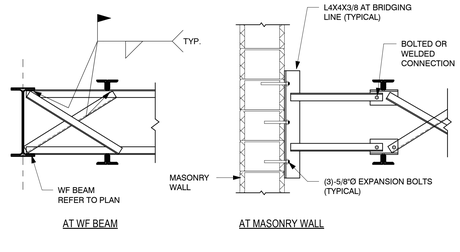
10 TYPICAL MOMENT CONNECTION DETAIL
3/4" = 1'-0"



11 TYPICAL WF OUTRIGGER DETAIL
3/4" = 1'-0"



12 TYPICAL THRU PLATE CONNECTION DETAIL
3/4" = 1'-0"



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

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GENERAL NOTES

GENERAL

GOVERNING CODE: 2018 CONNECTICUT STATE BUILDING CODE, (2015 INTERNATIONAL BUILDING CODE).

DESIGN LOADS: CITY OF NEW HAVEN

CONSTRUCTION LIVE LOADS: 20 PSF
PRE-COMPOSITE LOAD FOR CONCRETE PLACEMENT BY HOSE AND FINISHING. CONTRACTOR IS RESPONSIBLE FOR ANY SHORING REQUIRED OF THE DECK FOR HEAVIER LOADS DURING CONCRETE PLACEMENT.

MINIMUM LIVE LOADS:

OFFICES:	50 PSF + 15 PSF PARTITION
CORRIDORS:	80 PSF (ABOVE FIRST)
CORRIDORS:	100 PSF (AT FIRST)
STAIRS:	100 PSF
PUBLIC:	100 PSF
PARTITIONS:	20 PSF

ROOF LOAD:

ROOF SNOW LOAD CRITERIA: Pg = 30 PSF, Ce = 0.9 AND Is = 1.0, Ct= 1.0 WITH INCREASES FOR SNOW DRIFTING, UNBALANCES AND SLIDING PER SECTION 1608 (2015 IBC).

MINIMUM ROOF LIVE LOAD = 30 PSF

ROOF DEAD LOAD = 20 PSF

WIND LOAD CRITERIA: SECTION 1609 (2015 IBC)
ULTIMATE WIND SPEED V_U = 125 MPH
NOMINAL DESIGN WIND V_{ASD} = 97 MPH
RISK CATEGORY II, Iw = 1.0
EXPOSURE CLASSIFICATION "B".

MINIMUM WIND LOAD ON PRIMARY STRUCTURE = 15 PSF

WIND LOADS ON SECONDARY ELEMENTS SHALL CONFORM WITH ASCE 7-10.

COMPONENT AND CLADDING DESIGN WIND PRESSURES:

ROOF ZONE 1:	POSITIVE: 14.00 PSF	NEGATIVE: -34.00 PSF
ROOF ZONE 2:	POSITIVE: 14.00 PSF	NEGATIVE: -57.20 PSF
ROOF ZONE 3:	POSITIVE: 14.00 PSF	NEGATIVE: -86.00 PSF
WALL ZONE 4:	POSITIVE: 34.00 PSF	NEGATIVE: -37.00 PSF
WALL ZONE 5:	POSITIVE: 34.00 PSF	NEGATIVE: -46.00 PSF
ROOF OVERHANG ZONE 2:		-50.00 PSF
ROOF OVERHANG ZONE 3:		-80.00 PSF

DESIGN WIND PRESSURE IS COMPUTED BASED ON ULTIMATE WIND SPEED USING 10 SQUARE FOOT OF AREA.

SEISMIC LOAD CRITERIA: AS PER SECTION 1613 (2015 IBC) WITH:
RISK CATEGORY = II
SEISMIC IMPORTANCE FACTOR, Ie = 1.00
Ss = 0.186g, S1 = 0.062g
SOIL SITE CLASS = D
SPECTRAL RESPONSE COEFFICIENTS, Sds = 0.198g, Sd1 = 0.099g
SEISMIC DESIGN CATEGORY, B
BASIC SEISMIC-FORCE-RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
DESIGN BASE SHEAR, V = 0.066W
RESPONSE MODIFICATION FACTOR, R = 3
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE

ASSUMED BEARING PRESSURE: 4000 PSF

1. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

2. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

3. THE STRUCTURE UTILIZES STRUCTURAL STEEL MOMENT FRAMES TO PROVIDE LATERAL STABILITY. THEREFORE, TEMPORARY BRACING, GUYS, ETC. MUST BE MAINTAINED UNTIL ALL MOMENT FRAMES HAVE BEEN ERECTED.

4. LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO REQUIREMENTS OF OTHER (NON-STRUCTURAL) DISCIPLINES ARE SHOWN FOR BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL OBTAIN FROM THE HEATING AND VENTILATING, ELECTRICAL, PLUMBING AND OTHER SUBCONTRACTORS THE FINAL APPROVED SIZE AND LOCATION OF ALL OPENINGS AND WORK TO BE PROVIDED FOR THEIR TRADE IN ROOFS, FLOORS AND WALLS, WHETHER SHOWN OR NOT SHOWN ON STRUCTURAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSMISSION OF REQUIREMENTS, LOCATIONS AND DETAILS TO STRUCTURAL SUBCONTRACTORS. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS ARE NOT TO BE BORNE BY THE OWNER.

5. MECHANICAL EQUIPMENT WEIGHTS USED IN DESIGN OF SUPPORTING ELEMENTS HAVE BEEN INDICATED ON THE DRAWINGS. CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO INSTALLATION IF ACTUAL WEIGHT EXCEEDS WEIGHT SHOWN ON DRAWINGS.

6. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

7. SHOP DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR CHECKER'S INITIALS BEFORE BEING SUBMITTED TO THE ARCHITECT FOR APPROVAL.

8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.

9. ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.

10. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO SUBMITTING THEIR BID FOR REFERENCE TO ALL NOTES ON ARCHITECTURAL DRAWINGS REFERRING TO ASEE STRUCTURAL DRAWINGS@. IF THE SIZE OF ELEMENTS AND DETAILING OF MEMBERS IS NOT INDICATED, THE CONTRACTOR SHALL CONTACT THE ARCHITECT TO REQUEST THE MISSING INFORMATION IN PREPARATION OF THEIR BID. THESE REFERENCED ITEMS SHALL BE PART OF THE BASE BID.

11. IN CASES OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND SUBMITTED SHOP DRAWINGS, THE CONTRACT DOCUMENTS SHALL GOVERN INSTALLATION OF MATERIALS.

FOUNDATIONS

1. BACKFILLING SHALL BE ACCOMPLISHED TO EQUAL HEIGHTS ON BOTH SIDES OF FOUNDATION WALLS TO PREVENT MOVEMENTS DUE TO UNBALANCED EARTH PRESSURE. WHERE EARTH IS ON ONE SIDE ONLY, BACKFILLING AND COMPACTION SHALL NOT START UNTIL FLOOR SLAB OR ADEQUATE BRACING IS PROVIDED FOR WALL SUPPORT (EXCEPT AT RETAINING WALLS).

2. ALL FOOTINGS ARE TO REST ON UNDISTURBED NATURAL SOIL, AS DEFINED IN THE SPECIFICATIONS, OR CONTROLLED COMPACTED FILL, REGARDLESS OF ELEVATIONS SHOWN ON DRAWINGS. FOOTING BOTTOM ELEVATIONS SHALL NOT BE HIGHER THAN INDICATED ON THE FOUNDATION PLAN, NOR LESS THAN 3'-6" BELOW FINISH GRADES.

3. IF FILL MATERIALS ARE ENCOUNTERED AT FOOTING BEARING ELEVATIONS, ALL FILL MATERIAL SHALL BE EXCAVATED AND DISPOSED OF LEGALLY OFF-SITE. THE OVER EXCAVATION SHALL BE BACKFILLED WITH CONTROLLED COMPACTED FILL TO THE BOTTOM OF FOOTING ELEVATION AS REQUIRED.

4. ALL CONTROLLED COMPACTED BACKFILL UNDER FOOTINGS AND WITHIN THE FOOTPRINT OF THE STRUCTURE SHALL BE COMPACTED TO 95% OF THE MODIFIED OPTIMUM DENSITY.

5. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE. PRIOR TO PROCEEDING WITH FOOTING EXCAVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF FINISH GRADES AND BOTTOM OF EXTERIOR FOOTING ELEVATIONS TO MAINTAIN THE 3'-6" FROST PROTECTION.

6. ALL SOIL SURROUNDING AND UNDER ALL FOOTINGS SHALL BE PROTECTED FROM FREEZING AND FROST ACTION DURING THE COURSE OF CONSTRUCTION.

7. FOOTING BOTTOMS SHALL STEP AT THE RATE OF 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL WITH A MAXIMUM VERTICAL STEP OF 2'-0".

8. WHERE SUBSURFACE PIPING PASSES THROUGH FOUNDATION WALLS, THE TOP OF THE FOOTINGS SHALL BE AT LEAST 8" BELOW THE INVERT ELEVATION OF THE PIPING AND CONDUITS. COORDINATE ALL INVERTS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, SITE AND SITE UTILITY DRAWINGS.

9. WHERE FOOTINGS ARE IN CLOSE PROXIMITY OF SUBSURFACE PIPING OR CONDUIT, BOTTOM OF FOOTINGS SHALL BE AT LEAST 8" BELOW INVERT ELEVATION OF PIPING OR CONDUITS. 1.

10. KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES.

11. USE LEAN CONCRETE (f'c=1500) OR CONTROLLED COMPACTED FILL FOR OVER-EXCAVATION OF FOOTINGS.

12. PLACEMENT OF ALL COMPACTED FILL MATERIALS MUST BE UNDER SUPERVISION OF AN APPROVED TESTING LABORATORY (SEE SPECIFICATIONS). CONCRETE FOUNDATIONS SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN CHECKED IN PLACE AND APPROVED BY TESTING LABORATORY.

13. EXISTING ON-SITE EXCAVATED MATERIALS SHALL NOT BE ACCEPTABLE BACKFILL MATERIAL BELOW BUILDING FOUNDATIONS, SLABS ON GRADE, OR FOR BACKFILLING OF FOUNDATION WALLS, OR WITHIN 2 FEET OF PAVEMENT GRADES UNLESS APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.

14. CONTROL JOINT SPACING IN FOUNDATION WALLS SHALL NOT EXCEED 30 FEET. 50% OF HORIZONTAL REINFORCEMENT SHALL EXTEND THROUGH JOINT AND HAVE A CLASS "B" SPLICE (PER ACI 318-95).

15. WHERE REQUIRED, CONSTRUCTION JOINTS SHALL BE KEYED AND OCCUR AT CONTROL JOINT INTERVALS. PROVIDE BENTONITE WATERSTOP FULL HEIGHT IN ALL WALL CONSTRUCTION JOINTS BELOW GRADE.

16. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF BRICK OR CONCRETE MASONRY BLOCK SHELF ELEVATIONS IN THE FOUNDATION WALLS.

17. THE FOUNDATION DESIGN OF THE STRUCTURE HAS BEEN PREPARED BASED ON THE SOIL BORINGS, SOILS REPORT AND RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER, DOWN TO EARTH CONSULTING, DATED SEPTEMBER 2019. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW THE MATERIAL PRIOR TO PREPARING HIS BID TO ASSURE HE UNDERSTANDS THE SOIL CONDITIONS AND THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.

18. THE FOUNDATION DESIGN OF THE STRUCTURE HAS BEEN PREPARED BASED ON THE SITE GRADING PLAN PREPARED BY --------------------, DATED --------------------. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DRAWING PRIOR TO PREPARING HIS BID TO ASSURE HE UNDERSTANDS THE SITE CONDITIONS AND THE REQUIREMENTS OF THE SITE ENGINEER.

19. FOUNDATION DESIGN SITE PREPARATION: THE FOUNDATION DESIGN AS INDICATED ON THE STRUCTURAL DRAWINGS HAS BEEN BASED ON THE FOLLOWING SITE PREPARATION. THE SITE HAS BEEN PREPARED BY THE EXCAVATION AND REMOVAL FROM THE SITE OF ALL EXISTING FILL AND CONTAMINATED SOILS. THE FOUNDATION DESIGN IS BASED ON THE CONTROLLED BACKFILLING OF THE SITE EXCAVATION WITH CONTROLLED FILL COMPACTED TO AT LEAST 95% OF THE MODIFIED OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.

20. PROVIDE CONTINUOUS BENTONITE WATERSTOPS BETWEEN THE TOP OF FOOTING AND BOTTOM OF ALL WALLS WHERE THE SLAB ON GRADE IS BELOW THE FINISH GRADE. PLACE THE WATERSTOP WITH A MINIMUM OF 2" CLEAR FROM THE FACE OF WALL, OR PER THE MANUFACTURER=S WRITTEN INSTALLATION INSTRUCTIONS. ATTACH WATERSTOP TO THE CONCRETE PER THE MANUFACTURER=S WRITTEN INSTALLATION INSTRUCTIONS.

SLAB ON GRADE

1. ALL SLABS ON GRADE SHALL BEAR ON A 15 MIL, CLASS A, VAPOR RETARDER OVER A MINIMUM OF 8 INCHES OF 3/4" COMPACTED SAND AND GRAVEL FILL.

ALL JOINTS OF THE VAPOR RETARDER SHALL BE SEALED WITH TAPE. TURN THE VAPOR BARRIER UP AT ALL TERMINATIONS AGAINST FOUNDATION WALLS AND SEAL JOINT BY CONTINUOUSLY TAPING.

2. IF FILL MATERIALS ARE ENCOUNTERED SLAB SUBGRADE ELEVATIONS, ALL FILL MATERIAL SHALL BE EXCAVATED AND DISPOSED OF LEGALLY OFF-SITE. THE OVER EXCAVATION SHALL BE BACKFILLED WITH CONTROLLED COMPACTED FILL TO THE BOTTOM OF THE SLAB SUBGRADE AS REQUIRED. ALL CONTROLLED COMPACTED BACKFILL UNDER SLABS WITHIN THE FOOTPRINT OF THE STRUCTURE SHALL BE COMPACTED TO 95% OF THE MODIFIED OPTIMUM DENSITY.

3. EXISTING ON-SITE EXCAVATED MATERIALS SHALL NOT BE ACCEPTABLE BACKFILL MATERIAL BELOW BUILDING SLABS ON GRADE UNLESS APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.

4. CONTROL JOINTS ARE TO BE CREATED IN SLABS ON GRADE. JOINTS SHALL BE SAW CUT 1/8" WIDE AND TO A DEPTH EQUAL TO 1/4 OF THE SLAB THICKNESS. LOCATE JOINTS A MAXIMUM OF 15'-0" ON CENTER IN EACH DIRECTION, IN ADDITION TO THOSE LOCATIONS INDICATED ON PLAN.

5. CONSTRUCTION JOINTS AS REQUIRED SHALL BE KEYED AND DOWELED AND LOCATED AT INTERVALS OF A MAXIMUM OF 75 FEET ON CENTER.

6. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND SIZE OF DEPRESSED AREAS IN CONCRETE SLABS AND FOR CONCRETE PADS. MAINTAIN FULL SLAB THICKNESS IN DEPRESSED AREAS, UNLESS OTHERWISE SHOWN.

7. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL MASONRY WALLS FOR WHICH NO FOOTING IS SHOWN. SEE DETAILS FOR SLAB REINFORCING REQUIREMENTS AT ALL WALL LOCATIONS.

CONTRACTOR SHALL CONSOLIDATE ALL SLAB CONCRETE USING VIBRATIONAL METHODS IN CONFORMANCE WITH ACI 309, AGUIDE FOR CONSOLIDATION OF CONCRETE.

CONCRETE

MATERIALS:

CONCRETE SHALL MEET THE REQUIREMENTS OF THE EXPOSURE CATEGORY LISTED BELOW PER ACI 318 CHAPTER 19, AND SHALL HAVE THE MAXIMUM WATER TO CEMENT RATIO, TARGET AIR CONTENT AND DEVELOP STRENGTH IN 28 DAYS AS FOLLOWS:

LOCATION	EXPOSURE CATEGORY	STRENGTH (PSI)	MAXIMUM WATER TO CEMENT RATIO	TARGET AIR CONTENT
FOUNDATIONS	F2	4500	0.45	6%
SLABS ON GRADE	F0	3500	N/A	N/A
SLABS ON METAL DECK	F0	3500	N/A	N/A

* INCLUDES ANY EXTERIOR CONCRETE PADS, SLABS, ETC. NOTED ON THE STRUCTURAL DRAWINGS. REFER TO SITE CONCRETE SPECIFICATIONS FOR ALL OTHER EXTERIOR CONCRETE REQUIREMENTS.

1. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS MUST FOLLOW THE LATEST ACI CODE AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".

2. REINFORCING STEEL SHALL BE 60,000 PSI YIELD.

3. NO TACK WELDING OF REINFORCING WILL BE PERMITTED.

4. UNLESS NOTED OTHERWISE, ALL LAP SPLICES SHALL BE CLASS B, IN ACCORDANCE WITH ACI 318-02.

5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

6. WIRE MESH REINFORCEMENT MUST LAP ONE MESH SIZE AT SIDES AND ENDS AND BE WIRED TOGETHER.

7. WELDED WIRE FABRIC SIDE LAPS SHALL BE STAGGERED TO AVOID FOUR MESH THICKNESS AT COINCIDING END LAP AND SIDE LAP LOCATION.

8. NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.1% CHLORIDE BY WEIGHT OF ADMIXTURE SHALL BE USED IN THE CONCRETE.

9. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE. PRIOR TO PROCEEDING WITH FOOTING FORMWORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF BOTTOM OF EXTERIOR FOOTING ELEVATIONS WITH THE FINISH GRADES AND MAINTAINING THE 3'-6" FROST PROTECTION. WHERE SUBSURFACE PIPING PASSES THROUGH FOUNDATION WALLS, THE TOP OF FOOTINGS SHALL BE AT LEAST 8" BELOW THE INVERT ELEVATION OF THE PIPING AND CONDUITS. COORDINATE ALL INVERTS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, SITE AND SITE UTILITY DRAWINGS. PIPING OR CONDUITS SHALL NOT PASS THROUGH COLUMNS OR PIERS.

10. CONTRACTOR SHALL ANTICIPATE DEFLECTION OF STEEL AT SUPPORTED ELEVATED SLABS, AND PROVIDE ADDITIONAL CONCRETE AS REQUIRED.

11. ALL HORIZONTAL STEEL SHOWN IN SECTIONS AND DETAILS SHALL BE CONTINUOUS, UNLESS OTHERWISE NOTED. ALL LAPS SHALL BE CLASS B SPLICES IN ACCORDANCE WITH ACI 318.

12. AT INTERSECTIONS OF REINFORCED CONCRETE WALLS, PROVIDE CORNER DOWELS OF SAME SIZE AND AT THE SAME SPACING AS THE SMALLER HORIZONTAL REINFORCING. DOWELS SHALL HAVE A CLASS B LAP WITH HORIZONTAL REINFORCING IN EACH DIRECTION.

13. PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.

14. ALL KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.

15. CONCRETE PIERS: PLACE CONCRETE PIERS AND WALLS TOGETHER. SET PIER REINFORCING AND SET WALL REINFORCING THROUGH PIER VERTICAL BARS. PROVIDE DOWELS WITH STANDARD HOOK FROM FOOTING AT ALL PIERS. SIZE AND QUANTITY OF DOWELS TO MATCH VERTICAL PIER REINFORCING, PROVIDE CLASS "B" SPLICE.

16. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, SITE, SITE UTILITY AND EQUIPMENT DRAWINGS FOR CONCRETE PADS, SLEEVES, OPENINGS, RECESSES, AND BUILT-IN WORK IN CONCRETE ELEMENTS.

17. THE CONTRACTOR SHALL FURNISH, LOCATE AND INSTALL ALL ACCESSORIES FOR PROPER ANCHORAGE OF WOOD AND METAL FRAMING, WOOD BLOCKING, BRICK WORK AND MASONRY UNITS. HE SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, LOCATING AND ENSURING PROPER QUANTITY OF ALL FASTENING DEVICES.

18. ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH RUBBED FINISH (SEE SPECIFICATIONS).

19. ALL CONCRETE CORNERS WITH BOTH SIDES EXPOSED TO VIEW SHALL BE SQUARE UNLESS OTHERWISE SHOWN OR NOTED. THE EDGE SHALL BE RUBBED, PRODUCING A SMOOTH, DENSE SURFACE WITHOUT PITS OR IRREGULARITIES.

20. PROVIDE CONTINUOUS VERTICAL DOVETAIL SLOTS AT 16 INCH CENTERS HORIZONTALLY FOR ALL CONCRETE WALLS ABUTTING A MASONRY WALL OR MASONRY VENEER, UNLESS OTHERWISE NOTED.

21. PROVIDE CLEARANCE FROM EDGE OF REINFORCING TO EDGE OF CONCRETE AS FOLLOWS:

FOOTINGS (AGAINST EARTH)	3"
COLUMNS AND PIERS (VERTICAL REINFORCING)	2"
WALLS, INTERIOR FACE	3/4"
WALLS, EXTERIOR FACE (#5 AND SMALLER)	1 1/2"
WALLS, EXTERIOR FACE (#6 AND LARGER)	2"
SLABS (INTERIOR)	3/4"
SLABS (EXTERIOR)	1 1/2"
SLABS ON GRADE (W.W.F.)	1/3 X THK. FROM TOP SURFACE

22. NO SLEEVES, HOLES OR INSERTS SHALL BE PLACED IN SLABS WITHIN 2'-0" OF THE EDGE OF COLUMNS, OR ANYWHERE IN BEAMS, COLUMNS OR JOISTS WITHOUT APPROVAL OF THE ARCHITECT.

23. PROVIDE LENGTH OF BEARING ON MASONRY WALLS AS FOLLOWS, UNLESS NOTED OTHERWISE:

REINFORCED CONCRETE BEAMS: 8 INCHES
SOLID CONCRETE SLABS: 4 INCHES

24. JOINTS NOT INDICATED ON THE DRAWINGS SHALL BE MADE SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. THERE SHALL BE NO HORIZONTAL JOINTS IN BEAMS OR SUSPENDED SLABS.

25. PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE WALLS AND FRAMED SLABS, UNLESS OTHERWISE INDICATED:

1-#5 AT EACH FACE ON EACH SIDE OF OPENING, EXTENDING 2'-0" BEYOND OPENING.

1-#5 X 4'-0" LONG AT EACH FACE DIAGONALLY AT EACH CORNER.

26. REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE THE SEQUENCE IN WHICH LAYERS OF CROSSING REINFORCING SHOULD BE PLACED, IN ORDER TO PRODUCE THE CORRECT OUTERMOST LAYER AS INDICATED ON THE DRAWINGS.

27. SHOP DRAWINGS SHALL INDICATE LOCATIONS OF ALL WALL CONTROL AND CONSTRUCTION JOINTS.

STRUCTURAL STEEL

MATERIALS:

STRUCTURAL STEEL	ASTM A 36
ALL W SHAPES	ASTM A 992, GR.50
STRUCTURAL STEEL TUBING	ASTM A500, GRADE B
STRUCTURAL STEEL PIPE	ASTM A53, GRADE B
BOLTS	ASTM A325
ANCHOR BOLTS	ASTM F1554, GRADE 36
WELDING ELECTRODE	ASTM E 70

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO CURRENT AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION. ALL REACTIONS SHOWN ON PLAN HAVE BEEN DEVELOPED USING ALLOWABLE STRESS DESIGN.

2. WELDING SHALL CONFORM TO THE CODE FOR "ARC AND GAS WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.

3. ALL LOOSE BEAM LINTELS SHALL HAVE 8" MINIMUM BEARING. SEE ARCHITECTURAL JAMB DETAILS FOR LENGTHS.

4. FOR MISCELLANEOUS STEEL REFER TO ARCHITECTURAL DRAWINGS.

5. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER IN ACCORDANCE WITH A.W.S. STANDARDS.

6. PROVIDE LEVELING NUTS FOR ALL COLUMN BASE PLATES WITH FOUR (4) ANCHOR BOLTS AND PROVIDE 1 1/2" MINIMUM, 5000 PSI NON-SHRINK GROUT. PROVIDE DOUBLE NUTS AND WASHER AT THE BOTTOM OF THE ANCHOR BOLT FOR EMBED IN CONCRETE.

7. CONNECTIONS:

CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE A.I.S.C. MANUAL OF STEEL CONSTRUCTION. CONNECTIONS SHALL BE PROVIDED TO CONFORM TO THE REQUIREMENTS OF TYPE 2 CONSTRUCTION UNLESS OTHERWISE DETAILED.

CONNECTIONS SHALL BE DESIGNED TO ACCOMMODATE THE REACTIONS SHOWN ON THE CONTRACT DOCUMENTS. IF NO REACTIONS ARE GIVEN THEN PROVIDE CONNECTION FOR ONE HALF THE ALLOWABLE UNIFORM LOAD BEAM TABLES, PER THE AISC MANUAL, FOR THE SPAN INDICATED ON THE DRAWINGS. MINIMUM CONNECTION DESIGN LOAD IS 6 KIPS.

MINIMUM CONNECTION ANGLE THICKNESS SHALL BE 5/16". MINIMUM SHEAR PLATE IS 3/8".

IN ADDITION TO PROVIDING ADEQUATE BOLTS TO ACCOMMODATE REACTIONS, THE FOLLOWING MINIMUM NUMBER OF BOLT ROWS SHALL BE USED:

MEMBER DEPTH	MINIMUM BOLT ROWS
10" or Less	2
12" to 14"	3
16" to 18"	4
21" to 24"	5
27' to 30"	6
Over 30"	7

CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER ASTM A325 BOLTS (SNUG TIGHT OR SLIP CRITICAL) OR WELDS, UNLESS NOTED OTHERWISE. IF TENSION CONTROL BOLTS ARE USED, CONNECTIONS SHALL BE DESIGNED FOR SLIP CRITICAL BOLT ALLOWABLE LOAD VALUES USING CLASS A FAYING SURFACE.

PROVIDE SLOTTED BOLTED CONNECTIONS WHERE SHOWN WITH 13/16" X 1 7/8" SLOTTED HOLES USING ASTM A 325 BOLTS WITH WASHERS. NUTS SHALL BE FASTENED SNUG TIGHT, THEN UNTIGHTENED BY ONE-HALF TURN. PEEN THREADS TO PREVENT FURTHER LOOSENING OF NUT.

USE LARGER OF 1/4" FILLET WELDS OR MINIMUM SIZE PER AISC REQUIREMENTS WHERE NO WELD SIZE IS SHOWN ON DRAWINGS.

WELDS IN EXCESS OF 24" IN LENGTH SHALL BE 3" STITCH WELDS AT 8" ON CENTERS, UNLESS SPECIFICALLY SHOWN ON DRAWINGS TO BE CONTINUOUS.

MOMENT CONNECTIONS SHALL BE DESIGNED TO DEVELOP FULL MOMENT CAPACITY OF THE ELEMENTS CONNECTED, UNLESS SPECIFIC MOMENT IS INDICATED ON THE DRAWINGS.

8. NO WELDING OR FINAL BOLTING SHALL BE DONE UNTIL AS MUCH OF THE STRUCTURE THAT WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED.

9. SEQUENCE OF PLACING WELDS SHALL BE SUCH AS TO AVOID DISTORTION OF MEMBERS.

10. SUBSTITUTION OF STRUCTURAL STEEL MEMBERS IS PERMITTED TO FACILITATE DELIVERY AT NO ADDITIONAL COST TO THE OWNER. SUBSTITUTED MEMBERS MUST BE OF THE SAME NOMINAL DEPTH AS THE MEMBER ORIGINALLY INDICATED AND HAVE A WEIGHT GREATER THAN THAT INDICATED. BEAM FLANGES MUST NOT INFRINGE ON ADJACENT ARCHITECTURAL ELEMENTS.

11. ALL STRUCTURAL STEEL BEAMS AND COLUMNS ADJACENT TO MASONRY SHALL HAVE THE FOLLOWING MASONRY ANCHORAGE:

16 GAGE GALVANIZED CHANNEL SLOTS (DUR-O-WAL, INC. D/A 901) WELDED TO COLUMNS AND BEAMS WITH 1/4" GALVANIZED STRAP ANCHORS (DUR-O-WAL, INC. D/A 914) SPACED 1'-4" O.C. AT COLUMNS AND 1'-4" AT BEAMS (UNLESS OTHERWISE NOTED). INSTALL PER MANUFACTURER'S SPECIFICATIONS.

12. PROVIDE DEFORMED BAR ANCHORS ON THE TOP OF ALL BEAMS SUPPORTING CONCRETE MASONRY UNIT WALLS OR MULTI-WYTHE BRICK WALLS. THE ANCHORS SHALL BE WELDED AT 24" ON CENTER AND SHALL BE THE SAME SIZE AS THE WALL REINFORCING. DEFORMED BAR ANCHORS SHALL BE PLACED BY A TIMED STUD WELDING MACHINE.

13. STEEL MEMBERS SHOWN CONNECTED TO MASONRY WITH EXPANSION ANCHORS SHALL HAVE 3/4" DIAMETER EXPANSION ANCHORS AT 2'-8" ON CENTERS IN VERTICALLY SLOTTED HOLES, UNLESS OTHERWISE INDICATED.

14. PROVIDE 9/16" DIAMETER HOLES FOR WOOD NAILERS AS REQUIRED BY ARCHITECTURAL DRAWINGS.

15. BEAMS BEARING ON MASONRY SHALL HAVE ANGLE WALL ANCHORS WELDED TO THE BEAM, AS DETAILED IN THE A.I.S.C. MANUAL OF STEEL CONSTRUCTION.

16. PROVIDE 8" X 8" X 5/8" BEARING PLATES FOR ALL WALL BEARING BEAMS UNLESS NOTED OTHERWISE. ALL PLATES SHALL HAVE A MINIMUM OF (2)-3/4" DIAMETER X 5" LONG WELDED STUDS ON THE BOTTOM TO SET IN CONCRETE OR MASONRY WALLS.

17. ALL RELIEVING ANGLES SHALL BE CONNECTED TO COLUMNS. ALL RELIEVING ANGLES SHALL BE MITERED AND WELDED AT ALL CORNERS. ALL RELIEVING ANGLES SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL WELDS WITH COLD GALVANIZING COMPOUND, REFER TO SPECIFICATIONS.

18. ALL STEEL MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE TREATED LUMBER OR WOOD PRODUCTS IN THE COMPLETED CONSTRUCTION SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.

19. PROVIDE BITUMASTIC PROTECTION COATING FOR ALL STRUCTURAL STEEL BELOW GRADE.

20. PROVIDE 1/4" CLOSURE PLATES WITH FULL SEAL WELDS FOR ALL TUBE OR PIPE HOLLOW STEEL SECTIONS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

21. PROVIDE AN ELEVATOR HOIST BEAM AT EACH ELEVATOR. THE BEAM SHALL BE A W8X21 MINIMUM. COORDINATE WITH THE ARCHITECTURAL DRAWINGS. THE BEARING PLATE ON MASONRY WALLS SHALL BE A PLATE 3/4"X6"X12" MINIMUM WITH (2)-3/4" DIAMETER ANCHOR BOLTS SET INTO GROUTED MASONRY.

22. CONTRACTOR IS RESPONSIBLE FOR PROVIDING NEW STEEL FRAMES, AS DETAILED ON THE STRUCTURAL DRAWINGS, AT ALL NEW FLOOR AND ROOF OPENINGS REQUIRED BY ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS IN BOTH NEW AND EXISTING STRUCTURES. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE CONTRACT DOCUMENTS AND INCLUDE THESE FRAMES IN THEIR BID PRICE. THESE NEW STEEL FRAMES FOR OPENINGS ARE IN ADDITION TO THE FRAMES SPECIFICALLY INDICATED ON THE DRAWINGS FOR SPECIFIC SUPPORT CONDITIONS.

23. STEEL CONTRACTOR SHALL PROVIDE SKETCHES FOR ALL CORRECTIVE FIELD WORK WHICH SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL. ALL SKETCHES SHALL BE SIGNED AND SEALED BY THE STEEL FABRICATORS CONNECTIONS ENGINEER.

METAL ROOF DECK

1. MATERIALS:

TYPICAL METAL DECK SHALL BE 1 1/2" GALVANIZED WIDE RIB TYPE WITH NESTING SIDE SEAMS OF GAGE INDICATED ON THE DRAWINGS.

DECK SHALL CONFORM TO "BASIC DESIGN SPECIFICATION" AS ADOPTED BY THE STEEL DECK INSTITUTE.

METAL ROOF DECK SHALL BE FURNISHED IN SHEET LENGTHS SUFFICIENT TO EXTEND OVER FOUR SUPPORTS (3 SPANS) WHEREVER POSSIBLE.

2. ATTACHMENT:

METAL DECK SHALL BE SCREWED TO SUPPORTING STEEL WITH #12 SELF TAPPING SCREWS SPACED NOT MORE THAN 12" ON CENTER WITH A 36/4 FASTENING PATTERN, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

SCREW METAL ROOF DECK TO STEEL MEMBERS PARALLEL TO SPAN OF DECK USING #12 SELF TAPPING SCREWS SPACED AT 12" ON CENTER. WELDING OF THE ROOF DECK IS PROHIBITED.

INTERMEDIATE SIDE CONNECTIONS SHALL BE MADE WITH #10 SELF TAPPING SCREWS. THE MAXIMUM SPACING OF SIDE LAP CONNECTIONS SHALL BE 1'-6", WITH A MINIMUM OF (4) SCREWS PER SPAN. FOR 3" DECK USE A MINIMUM OF (8) SCREWS PER SPAN.

STEEL JOISTS

1. STEEL JOISTS SHALL CONFORM TO AND BE ERECTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND CODE OF STANDARD PRACTICE OF THE STEEL JOIST INSTITUTE AND AS SHOWN ON THE DRAWINGS.

2. BRIDGING FOR STEEL JOISTS SHALL BE AS SHOWN AND NOT LESS THAN 1 1/4"x 1 1/4"x 1/8". PROVIDE A CONTINUOUS SINGLE LINE OF BOTTOM CHORD UPLIFT BRIDGING NEAR THE FIRST PANEL POINT AT EACH END. THE MINIMUM SIZE SHALL BE 1 1/4"x 1 1/4"x 1/8".

3. HEADERS AND/OR FASTENERS BETWEEN JOISTS SHALL BE FASTENED TO TOP CHORD AND LOCATED OVER AN UPPER PANEL POINT OF A JOIST, UNLESS OTHERWISE SHOWN.

4. EXTEND ALL JOISTS 1" PAST CENTERLINE OF SUPPORTING MEMBER WHERE POSSIBLE. ON MASONRY WALLS 12" OR MORE IN THICKNESS, THE MINIMUM BEARING SHALL BE 6" UNLESS OTHERWISE NOTED.

5. ADJACENT JOISTS OF THE SAME DEPTH SHALL HAVE WEB MEMBERS IN LINE TO PERMIT PASSAGE OF MECHANICAL DUCTS.

6. ENDS OF EVERY THIRD FLOOR JOIST BEARING ON MASONRY SHALL BE ANCHORED WITH STANDARD WALL ANCHORS.

7. ANCHOR ALL STEEL JOIST BRIDGING LINES TO INTERSECTING CONCRETE WALLS, MASONRY WALLS, AND/OR STEEL BEAMS WITH LATERAL ANCHORS UNLESS SHOWN OTHERWISE.

8. JOISTS AND JOIST EXTENDED ENDS, WHETHER CANTILEVERED OR SUPPORTED, SHALL BE DESIGNED TO SUSTAIN UNIFORM LOAD CAPACITY OVER FULL SPAN INDICATED IN THE SJI LOAD TABLES FOR STEEL JOISTS, UNLESS NOTED OTHERWISE ON DRAWINGS WITH "SP" DESIGNATION.

9. JOIST MANUFACTURER SHALL DESIGN SPECIAL JOISTS, DESIGNATED "SP", FOR LOAD AND DEFLECTION CRITERIA SHOWN ON DRAWINGS. JOIST MANUFACTURER SHALL COORDINATE AND VERIFY WEIGHT, SIZE AND LOCATION OF MECHANICAL EQUIPMENT WITH GENERAL AND MECHANICAL CONTRACTORS.

10. JOISTS ON COLUMN LINES SHALL BE ANCHORED BY BOLTING. IF THERE IS NO JOIST ON COLUMN CENTERLINE, THE JOIST NEAREST THE COLUMN CENTERLINE SHALL BE ANCHORED BY BOLTING.

11. "K" SERIES JOISTS:

PROVIDE 5" DEEP ENDS ON JOISTS WHICH SHARE COMMON BEARING GIRDER WITH "LH" SERIES JOIST.

WELD ALL JOISTS TO SUPPORTING STEEL WITH 1 1/2" OF 3/16" FILLET WELD EACH SIDE OF BEARING, UNLESS OTHERWISE SHOWN.

12. "LH" SERIES JOISTS:

HORIZONTAL TOP AND BOTTOM BRIDGING MAY BE USED INSTEAD OF DIAGONAL BRIDGING ONLY WHERE REQUIRED TO PERMIT PASSAGE OF DUCTWORK. NO MORE THAN TWO ADJACENT JOIST SPACES MAY HAVE HORIZONTAL BRIDGING.

WELD ALL JOISTS TO SUPPORTING STEEL WITH 2" OF 1/4" FILLET WELD EACH SIDE OF BEARING, UNLESS OTHERWISE SHOWN.

13. MAXIMUM LIVE LOAD DEFLECTION SHALL BE 1/360 OF JOIST SPAN, UNLESS OTHERWISE NOTED ON DRAWINGS.

14. JOISTS WHICH ARE 40 FEET OR LONGER SHALL HAVE A CENTER ROW OF BOLTED DIAGONAL BRIDGING INSTALLED PRIOR TO SLACKING OF HOISTING LINE.

15. WHERE DIAGONAL BRIDGING INTERFERES WITH MECHANICAL INSTALLATIONS, REMOVE CROSS BRIDGING AFTER TOTAL DEAD LOAD IS APPLIED AND REPLACE WITH HORIZONTAL ANGLES 2" X 2" x 3/16" AT TOP AND BOTTOM CHORDS.

ALL HANGERS SUPPPORTING MECHANICAL SHALL BE ATTACHED TO THE JOIST TOP CHORD.

HELICAL PILES

1. HELICAL PILES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE CURRENT INTERNATIONAL BUILDING CODE (IBC) ADOPTED BY THE LOCAL JURISDICTION.

2. HELICAL PILES SHALL BE DESIGNED AND MANUFACTURED BY RAM JACK OR APPROVED EQUAL.

3. HELICAL PILE SHALL BE RECONGNIZED BY ICC AND THE MANUFACTURER SHALL HOLD A CURRENT ICC-ES ESR REPORT SHOWING COMPLIANCE WITH AC358 AND CURRENT INTERNATIONAL BUILDING CODE (IBC) ADOPTED BY THE LOCAL JURISDICTION.

4. DIMENSIONS OF THE CENTRAL SHAFT AND THE NUMBER, SIZE, SPACING AND THICKNESS OF THE HELICAL BEARING PLATES SHALL BE DESIGNED AND FABRICATED TO SUPPORT THE SPECIFIED DESIGN LOADS.

5. ONLY ROUND CENTRAL PILE SHAFTS WILL BE ALLOWED.

6. MINIMUM AND MAXIMUM INSTALLATION TORQUES SHALL BE SPECIFIED BY THE HELICAL PILE MANUFACTURER. THE MINIMUM INSTALLATION TORQUE SHALL BE HIGH ENOUGH TO ACHIEVE THE REQUIRED BEARING CAPACITY, INCLUDING A SAFETY FACTOR OF 2. THE MAXIMUM INSTALLATION TORQUE SHALL NOT EXCEED THE ALLOWABLE TORSIONAL CAPACITY OF THE PILE SHAFTS.

7. HELICAL PILES SHALL BE DESIGNED AND MANUFACTURED TO RESIST ALL STRESSES INDUCED BY INSTALLATION.

8. EXISTING CONDITIONS AND UNDERGROUND OBSTRUCTIONS SHALL BE CONFIRMED BY THE PILE INSTALLER. PROBING OR SCANNING MAY BE NECESSARY TO LOCATE UNDERGROUND OBSTRUCTIONS. REPORT ANY UNFORSEEN OBSTRUCTIONS TO THE STRUCTURAL ENGINEER.

9. LOCATIONS OF PILES SHALL NOT BE CHANGED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

10. SPECIAL INSPECTION OF THE HELICAL PILE INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1704.10 OF THE 2009 & 2012 IBC OR SECTION 1705.9 OF THE 2015 IBC UNLESS EXCEPTIONS NOTED IN SECTION 1704.2 OF IBC ARE MET. THE INSPECTOR SHALL RECORD THE FOLLOWING:

A. INSTALLATION DATE.
B. PILE MANUFACTURER.
C. INSTALLATION CONTRACTOR.
D. IDENTIFICATION OF INSTALLATION EQUIPMENT.
E. MINIMUM ALLOWABLE INSTALLATION TORQUE.
F. MAXIMUM ALLOWABLE INSTALLATION TORQUE.
G. CENTRAL SHAFT DIAMETER OF EACH PILE.
H. HELIX PLATE CONFIGURATION OF EACH PILE.
I. ACTUAL TIP EMBEDMENT OF EACH PILE.
J. ACTUAL INSTALLATION TORQUE OF EACH PILE.
K. ULTIMATE CAPACITY OF EACH PILE AS SPECIFED BY MANUFACTURER.
L. ALLOWABLE CAPACITY OF EACH PILE AS SPECIFIED BY MANUFACTURER.

CONCRETE MASONRY

MATERIALS:

HOLLOW LOAD BEARING UNITS: ASTM C 90
MORTAR: (TYPE S) ASTM C 270
(COMPRESSIVE STRENGTH OF MASONRY, f=m = 1500 PSI)
GROUT FOR REINFORCED MASONRY: ASTM C 476
(COMPRESSIVE STRENGTH AT 28 DAYS = 2500 PSI)
GROUT FOR REINFORCED MASONRY: ASTM C 476
SOLID LOAD BEARING UNITS: (GRADE N-I) ASTM C 145
CONCRETE BRICK: (GRADE N-I) ASTM C 55

1. WALLS INDICATED ON STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, THICKNESS AND COMPOSITION OF MASONRY WALLS.

2. ALL EXTERIOR MASONRY WALLS SHALL CONTAIN THE FOLLOWING REINFORCING:

1-#5 VERTICAL BAR AT 32" ON CENTER.

2-#6 VERTICAL BARS AT BOTH SIDES OF DOOR, WINDOW AND MECHANICAL OPENINGS.

2-#5 HORIZONTAL BAR MINIMUM ABOVE AND BELOW ALL WINDOW AND MECHANICAL OPENINGS AND ABOVE ALL DOOR OPENINGS. PROVIDE ADDITIONAL BARS ABOVE DOORS, WINDOWS AND MECHANICAL OPENINGS AS REQUIRED IN ACCORDANCE WITH LINTEL SCHEDULE ON ARCHITECTURAL DRAWINGS.

2-#5 HORIZONTAL AT TOP OF ALL WALLS, AND AT BOND BEAMS CONNECTED TO FLOORS AND ROOFS, UNLESS OTHERWISE INDICATED.

2-#6 VERTICAL BARS AT ENDS OF ALL WALLS, AND EACH SIDE OF CONTROL JOINTS.

STANDARD LADUR TYPE DESIGN DUR-O-WAL HORIZONTAL REINFORCING @ 16" O.C. VERTICAL. SIDE WIRE SIZE SHALL BE #9 GAGE WIRE.

3. INTERIOR SHEAR WALLS, WHERE INDICATED, SHALL HAVE SAME REINFORCING AS EXTERIOR WALLS.

4. ALL OTHER INTERIOR MASONRY WALLS SHALL CONTAIN THE FOLLOWING MINIMUM REINFORCING:

1-#4 VERTICAL BAR AT 48" ON CENTER.

1-#4 VERTICAL AND HORIZONTAL AT ALL SIDES OF DOORS, WINDOW AND MECHANICAL OPENINGS.

1-#4 HORIZONTAL BAR MINIMUM ABOVE AND BELOW ALL WINDOW AND MECHANICAL OPENINGS AND ABOVE ALL DOOR OPENINGS. PROVIDE ADDITIONAL BARS ABOVE DOORS, WINDOWS AND MECHANICAL OPENINGS AS REQUIRED IN ACCORDANCE WITH LINTEL SCHEDULE ON ARCHITECTURAL DRAWINGS.

1-#4 VERTICAL AT ENDS OF ALL WALLS, AND EACH SIDE OF CONTROL JOINTS.

1-#4 HORIZONTAL AT TOP OF ALL WALLS.

1-#4 HORIZONTAL IN BOND BEAMS CONNECTED TO FLOORS AND ROOFS .

STANDARD LADUR TYPE DESIGN DUR-O-WAL HORIZONTAL REINFORCING @ 16" O.C. VERTICAL. SIDE WIRE SIZE SHALL BE #9 GAGE WIRE.

5. PROVIDE VERTICAL DOWELS FROM CONCRETE WALLS INTO ALL CMU WALLS. SIZE AND SPACING OF THE DOWELS SHALL MATCH THE VERTICAL REINFORCING AS SPECIFIED IN THESE GENERAL NOTES, UNLESS OTHERWISE NOTED ON THE DRAWINGS. DOWEL LENGTHS SHALL BE THE REQUIRED CONCRETE DEVELOPMENT LENGTH PLUS THE REQUIRED BAR LAP SPLICE LENGTH FOR MASONRY AS SPECIFIED IN THESE GENERAL NOTES.

6. ALL VERTICAL WALL REINFORCING SHALL BE CONTINUOUS FOR THE FULL HEIGHT OF MASONRY WALLS, INCLUDING THROUGH CONTINUOUS MASONRY BOND BEAMS UNLESS OTHERWISE INDICATED.

7. ALL GROUTING OF MASONRY WALLS SHALL BE ASSUMED TO BE COMPLETED BY LOW LIFT GROUTING METHODS. IF THE CONTRACTOR PROPOSES TO UTILIZE HIGH LIFT GROUTING METHODS THEY SHALL SUBMIT THEIR PROPOSED HIGH LIFT GROUTING PROCEDURE FOR REVIEW PRIOR TO STARTING ANY GROUTING ON THE PROJECT SITE.

8. REINFORCING ABOVE WINDOWS, DOORS AND MECHANICAL OPENINGS IN THE EXTERIOR WALLS SHALL BE IN A BOND BEAM COURSE ABOVE THE STEEL LINTELS PROVIDED AT THESE OPENINGS. BOND BEAMS SHALL EXTEND 2'-0" BEYOND THE OPENING.

9. CELLS CONTAINING REINFORCING BARS AND ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID. ALL OTHER CELLS SHALL REMAIN HOLLOW EXCEPT WHERE NOTED. THE CONTRACTOR SHALL NOT RUN CONDUIT OR PIPE IN CELLS CONTAINING REINFORCING.

10. ALL BOLTS OR ANCHORS SHALL BE SOLIDLY EMBEDDED IN MORTAR OR GROUT. IF BOND BEAM IS NOT LOCATED AT BOLT OR ANCHOR ELEVATION, PROVIDE LATH AND FILL CELL LOCALLY TO PROVIDE SUBSTRATE FOR BOLT OR ANCHOR. GROUT CELL ABOVE ALL MASONRY ANCHORS.

11. ALL COLUMNS WITHIN SHEAR WALLS AND EXTERIOR WALLS SHALL BE SOLIDLY EMBEDDED IN GROUT.

12. GROUT SOLID MASONRY FOR FULL HEIGHT OF WALL BELOW EACH LOOSE LINTEL AND PROVIDE #4 VERTICAL IN NEW OR EXISTING CORE.

13. GROUT SOLID MASONRY FOR TWO COURSES BELOW EACH BEAM BEARING EXCEPT AS NOTED.

14. USE 1 COURSE (8") OF SOLID MASONRY OR GROUTED SOLID MASONRY BELOW EACH STEEL JOIST BEARING EXCEPT AS NOTED.

15. PROVIDE CONTINUOUS GROUTED BOND BEAM WHERE MASONRY ANCHORS CONNECT CONCRETE MASONRY TO STEEL FRAMING. GROUT CELL ABOVE ANCHOR.

16. HOLLOW UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS, EXCEPT THAT WEBS SHALL ALSO BE BEDDED IN ALL COURSES OF BEARING AND SHEAR WALLS, PIERS, COLUMNS AND PILASTERS, AND IN THE STARTING COURSE ON FOOTINGS AND SOLID FOUNDATION WALLS, AND WHERE ADJACENT TO CELLS OR CAVITIES WHICH ARE TO BE REINFORCED AND/OR FILLED WITH GROUT.

17. MORTAR PROTRUSIONS EXTENDING INTO CELLS OR CAVITIES TO BE REINFORCED AND/OR GROUTED SHALL BE REMOVED.

18. ALL MASONRY WALLS SHALL BE BRACED AT THE TOP WHERE MASONRY ENDS AT THE UNDERSIDE OF FLOOR OR ROOF CONSTRUCTION. REFER TO TYPICAL DETAILS.

19. ALL MASONRY WALLS THAT DO NOT EXTEND TO BOTTOM OF FLOOR OR ROOF STRUCTURE ABOVE SHALL BE BRACED AT THE TOP, UNLESS BRACED HORIZONTALLY BY COLUMNS OR INTERSECTING WALLS AT A MAXIMUM SPACING OF 11 FEET FOR 4" WALLS, 17 FEET FOR 6" WALLS, 23 FEET FOR 8" WALLS, AND 33 FEET FOR 12" WALLS. THE ENDS OF THE WALLS MUST BE ANCHORED TO INTERSECTING WALLS BY EITHER TOOTHING OR MECHANICAL ANCHORS. THERE SHALL BE NO VERTICAL CONTROL JOINTS WITHIN THE HORIZONTAL SPAN OF THE WALL BETWEEN THE INTERSECTING WALLS.

20. IN MASONRY WALLS, NO CHASES, RISERS, CONDUITS, OR TOOTHING OF MASONRY SHALL OCCUR WITHIN 17" OF CENTERLINE OF BEAM BEARING OR LOAD CONCENTRATION.

21. SOLID UNITS SHALL BE LAID WITH FULL HEAD AND BED JOINTS.

22. COLLAR (VERTICAL LONGITUDINAL) JOINTS BETWEEN THE FACING AND BACKING WYTHES IN WALLS SHALL BE COMPLETELY FILLED WITH MORTAR OR GROUT AND WORKED IN WITH A TROWEL.

23. ALL INTERSECTING LOAD BEARING WALLS SHALL BE TIED TOGETHER IN MASONRY BOND UNLESS NOTED OTHERWISE.

24. MINIMUM DEVELOPMENT LENGTH AND SPLICE LENGTH OF MASONRY REINFORCING SHALL BE AS FOLLOWS:

BAR SIZE	DEVELOPMENT LENGTH	SPLICE LENGTH
JOINT REINFORCING	9"	12"
#4	18"	24"
#5	25"	30"
#6	27"	36"
#7	32"	42"

25. IF EPOXY COATED REINFORCING IS SPECIFIED IN THE MASONRY SPECIFICATIONS, THEN ALL SPLICE LENGTHS SHALL BE INCREASED BY 50% PER THE ACI 530 MASONRY CODE.

26. SUBMIT SHOP DRAWINGS INDICATING THE PLACEMENT OF ALL REINFORCING REQUIRED IN MASONRY WALLS. REFER TO SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS. SHOP DRAWINGS SHALL INDICATE THE LOCATION OF ALL CONTROL JOINTS, AND THE REQUIRED LAP SPLICES FOR ALL REINFORCING.

27. SUBMIT SHOP DRAWINGS INDICATING THE PLACEMENT OF TOP OF WALL PARTITION ANCHORS AT ALL INTERIOR CMU WALLS. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.

28. PROVIDE MASONRY CONTROL JOINTS AT A MAXIMUM SPACING OF 30 FEET ON CENTER. PROVIDE CONTROL JOINTS BETWEEN MAIN AND INTERSECTING WALLS, AT CHANGES IN WALL HEIGHT, CHANGES IN WALL THICKNESS AND NO GREATER THAN 4'-0" FROM CORNERS.

CONTRACTOR'S DELEGATED DESIGN

1. CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT TO PERFORM THE DESIGN OF THE FOLLOWING:

A. STRUCTURAL STEEL CONNECTIONS, INCLUDING BRACING AND MOMENT FRAMES
B. COLD-FORMED METAL EXTERIOR WALL FRAMING AND JOISTS
C. STAIR STRINGER AND LANDING DESIGN
D. TEMPORARY SHORING OF EXISTING STRUCTURAL MEMBERS.
E. MECHANICAL EQUIPMENT CURB ATTACHMENT TO STEEL FRAMING.

ALL CALCULATIONS SHALL BE SIGNED AND SEALED BY THE ENGINEER AND SUBMITTED FOR REVIEW.

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NO	DATE	DESCRIPTION

PROJECT NAME:
THE TOWERS

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18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GENERAL NOTES

SCALE: **1/8" = 1'-0"**
DRAWN BY: **AC**
DATE: **9/23/2022**
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COMMERCIAL SPRINKLER HEAD SCHEDULE

SYMBOL	K-FACTOR	STANDARD (SR) OR QUICK RESPONSE (QR)	UPRIGHT	PENDENT	RECESSED	CONCEALED PENDENT	HORIZONTAL SIDEWALL	WITH GUARD	ABOVE CEILING	DRY	INSTITUTIONAL	EXTENDED COVERAGE	UL-LISTED	FM-APPROVED	MANUFACTURER & MODEL	MAXIMUM LISTED COVERAGE AREA L x W (FT)	MINIMUM REQUIRED PRESSURE (PSI)	GENERAL LOCATION OF SPRINKLER HEADS (REFER TO DRAWINGS FOR ACTUAL LOCATIONS)	NOTE: *ALL FINISHES ARE SUBJECT TO APPROVAL BY ARCHITECT. FINISH*	CLASSIFICATION
◉	5.6	QR				∘							∘	∘	VIKING MODEL# VK462	15 x 15	7 PSI	SPACES & CORRIDORS WITH HUNG CEILINGS	COVER PLATE FACTORY-PAINTED WHITE.	LIGHT & ORDINARY HAZARD
✱	5.6	QR		∘				∘					∘	∘	VIKING MODEL# VK302	15 x 15	7 PSI	-	BRASS	LIGHT & ORDINARY HAZARD
○	5.6	QR	∘										∘	∘	VIKING MODEL# VK300	15 x 15	7 PSI	SPACES & CORRIDORS WITHOUT HUNG CEILINGS	BRASS	LIGHT & ORDINARY HAZARD
$○_A$	5.6	QR	∘						∘				∘	∘	VIKING MODEL# VK300	15 x 15	7 PSI	SPACES & CORRIDORS WITH CLOUD CEILINGS	BRASS	LIGHT & ORDINARY HAZARD
⊠	5.6	QR	∘					∘					∘	∘	VIKING MODEL# VK300	15 x 15	7 PSI	SPACES & CORRIDORS WITHOUT HUNG CEILINGS	BRASS	LIGHT & ORDINARY HAZARD
$⊠_D$	5.6	QR	∘					∘		∘			∘		VIKING MODEL# VK184	15 x 15	7 PSI	PARKING GARAGE	BRASS	LIGHT & ORDINARY HAZARD
$⊠_{ITC}$	5.6	QR	∘					∘					∘	∘	VIKING MODEL# VK310 INTERMEDIATE TEMPERATURE RATING	15 x 15	7 PSI	SKYLIGHT	BRASS	LIGHT & ORDINARY HAZARD
▽	5.6	QR					∘						∘	∘	VIKING MODEL# VK305	15 x 15	7 PSI	ELECTRICAL, MDF & IDF CLOSETS	BRASS	LIGHT & ORDINARY HAZARD

NOTES:
1. ALL TYPES OF SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDED SPRINKLER GUARDS IN MECHANICAL ROOMS, ELECTRICAL & TELECOM (I.T.) CLOSETS, UPS ROOMS AND ALL ROOMS WHERE SPRINKLERS MAY BE SUBJECT TO ACCIDENTAL DAMAGE.
3. ALL SPRINKLER HEADS THROUGHOUT SHALL BE OF ORDINARY TEMPERATURE RATING (135 - 170 DEG. F.), WITH THE FOLLOWING EXCEPTIONS:
   A. SPECIFIED IN TABLE BELOW AS INTERMEDIATE OR HIGH TEMPERATURE RATING.
   B. SPRINKLER HEADS LOCATED CLOSE TO KITCHEN EQUIPMENT, HEATERS, STEAM PIPE OR LOW-PRESSURE BLOW-OFF VALVE SHALL BE OF THE TEMPERATURE RATING AS REQUIRED BY APPLICABLE EDITION OF NFPA - 13. DRAWINGS, PREPARED BY THE FIRE PROTECTION CONTRACTOR SHALL BE COORDINATED WITH THE HVAC CONTRACTOR AND ALL HVAC EQUIPMENT WHICH CAN AFFECT THE RATING OF THE SPRINKLER HEADS. SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.
4. ALL SPRINKLER HEAD SYMBOLS NOT SHOWN ON PLANS. REFER TO "GENERAL LOCATION" COLUMN FOR ESTIMATING.
5. SPRINKLER SELECTIONS ARE BASED ON PRODUCTS MANUFACTURED BY VIKING. RELIABLE AND/OR TYCO PRODUCTS SHALL BE CONSIDERED APPROVED EQUAL PRODUCTS AND ARE SUBJECT TO THE APPROVAL OF THE ENGINEER AND ARCHITECT.
6. SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATIONS OF SPRINKLER HEADS WITH STRUCTURAL ELEMENTS AND HVAC DUCTWORK.

FIRE PROTECTION DEMOLITION NOTES

1. THE FIRE PROTECTION CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEM AND CONDITIONS IN AREAS OF RENOVATION.
2. ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL PIPING AND DEVICES MAY NOT BE SHOWN. THE INTENT OF THESE DRAWINGS IS THAT IN ALL AREAS OF RENOVATION THAT THESE SYSTEMS ARE REMOVED UNLESS OTHERWISE INDICATED WHETHER OR NOT SHOWN.
3. THE FIRE PROTECTION CONTRACTOR SHALL REMOVE ALL FIRE PROTECTION PIPING SYSTEM INCLUDING BUT NOT LIMITED TO SPRINKLER/STANDPIPE, SPRINKLER HANGERS, VALVE, SWITCHES, AND DEVICES UNLESS OTHERWISE INDICATED. COORDINATE WITH ELECTRICAL CONTRACTOR ALL WIRING WORK RELATED TO DEVICES BEING REMOVED.
4. ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR CAPPED AS SHOWN WITHOUT LEAVING ANY DEAD ENDED PIPING OR ABANDONED PIPING.
5. NO FIRE PROTECTION EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED OR ABANDONED SHALL REMAIN.
6. IT IS THE INTENT OF THESE DRAWINGS THAT ANY AND ALL DEVICES REMOVED SHALL NOT BE REUSED SUCH AS SPRINKLERS, BUT ONLY NEW SHALL BE INSTALLED.
7. ANY SYSTEM OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
8. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 3 DAYS IN ADVANCE. THE FIRE MARSHALL MUST BE CONTACTED IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
9. THE FIRE MARSHALL AND OR THE INSURANCE UNDERWRITER SHALL BE CONTACTED TO REVIEW AND APPROVE THE EXTENT OR PHASING OF THE FIRE PROTECTION DEMOLITION IN ORDER TO PROTECT THE OCCUPANTS AND PROPERTY. THESE DOCUMENTS DO NOT ADDRESS THE PHASING OF THE SYSTEM REMOVAL, ONLY THE EXTENT.
10. THE FIRE PROTECTION CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SPRINKLER SYSTEM NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL INTENT OF WORK, SEE DETAILS, RISERS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. THE DRAWINGS INDICATE A SUGGESTED SPRINKLER HEAD LAYOUT AND THAT EACH AREA IS COVERED BY SPRINKLER PROTECTION AS REQUIRED BY ALL APPLICABLE STATE OF CONNECTICUT BUILDING AND FIRE CODES. THE SPRINKLER QUANTITIES SHALL NOT BE COUNTED AS A TAKE OFF OR AS EXACT LOCATIONS. EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS SHALL BE AS DICTATED BY NFPA 13.
4. THE CONTRACTOR SHALL PERFORM A FLOW TEST TO IDENTIFY AVAILABLE WATER CAPACITY AND PRESSURE. INFORMATION FROM THE CONTRACTOR'S FLOW TEST SHALL BE USED FOR HYDRAULIC CALCULATIONS.
5. REFERENCE DRAWINGS FOR THE EXISTING FIRE PUMP, INDICATE AN OPERATING CONDITION OF 750 AT 76 PSIG DISCHARGE. THIS FLOW DATA SHALL BE USED AS A GUIDE BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM AN ADDITIONAL FIRE PUMP FLOW TEST TO VERIFY THIS INFORMATION. INFORMATION FROM THE CONTRACTORS TEST SHALL BE USED FOR HYDRAULIC CALCULATIONS.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING EXISTING TEE OUTLET SIZE FOR ALL RETURN BEND ASSEMBLIES. BEFORE ANY NEW WORK STARTS, THE CONTRACTOR SHALL DETERMINE THAT ALL EXISTING OUTLETS ARE A MINIMUM OF ONE INCH. IF IT IS DETERMINED THAT THE EXISTING OUTLET SIZE IS LESS THAN ONE INCH, ALL SPRINKLER WORK SHALL STOP AND IT SHALL BE BROUGHT TO THE ARCH/ENGINEERS ATTENTION. THE CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL DIRECTION IS GIVEN BY THE ARCH/ENGINEER.
7. COMBINED INSIDE AND OUTSIDE HOSE STREAM ALLOWANCE FOR HYDRAULIC CALCULATIONS SHALL BE 250 GPM.
8. HYDRAULIC CALCULATIONS SHALL INCLUDE A SAFETY FACTOR OF 10 PSI.
9. PIPE VELOCITY AT ANY POINT OF THE SYSTEM SHALL NOT EXCEED 18 FPS.
10. INSTALLATION OF SPRINKLERS SHALL BE BASED ON THE FOLLOWING:

AREA	OCCUPANCY CLASSIFICATION	DENSITY (GPM/SF)	AREA OF APPLICATION (SF)
STORAGE ROOMS	ORDINARY HAZARD GROUP 1	0.15	1500
KITCHEN & PREP AREA	ORDINARY HAZARD GROUP 1	0.15	1500
REMAINDER OF BUILDING	LIGHT HAZARD	0.10	1500

FIRE PROTECTION ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
CR	CORROSION RESISTANT
D	DRY
DCV	DOUBLE CHECK VALVE
EC	EXTENDED COVERAGE
ELEV	ELEVATION
ETR	EXISTING TO REMAIN
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FP	FIRE PROTECTION
FPC	FIRE PUMP CONTROLLER
FPM	FEET PER MINUTE
FS	FLOW SWITCH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	TOTAL DEVELOPED HEAD
HTC	HIGH TEMPERATURE CLASSIFICATION
HVC	HOSE VALVE CABINET
ITC	INTERMEDIATE TEMPERATURE CLASSIFICATION
JP	JOCKEY PUMP
JPC	JOCKEY PUMP CONTROLLER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OS&Y	OUTSIDE SCREW AND YOLK
PA	PREACTION
PAC	PREACTION ALARM VALVE CABINET
PD	PRESSURE DROP
PIV	PRESSURE INDICATOR VALVE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
SS	SUPERVISORY SWITCH
TS	TAMPER SWITCH
TYP	TYPICAL
V	VOLTS
VEL	VELOCITY
WG	WIRE GUARD

FIRE PROTECTION SYMBOL LEGEND

SYMBOL	DESCRIPTION
FDC	FIRE DEPARTMENT CONNECTION PIPING
D	DRAIN PIPING
	SPRINKLER MAIN (WET)
B	ALARM BELL (PLAN/DETAIL VIEW)
	"WET" ALARM VALVE RISER
	FIRE DEPARTMENT CONNECTION
	90° ELBOW DOWN
	90° ELBOW UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	TEE OFF TOP OF PIPE
	TEE OFF BOTTOM OF PIPE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	UNION
	FLANGE
	END CAP
	OS&Y GATE VALVE
	GATE VALVE
	CHECK VALVE
	BALL VALVE/DRAIN VALVE
	BUTTERFLY VALVE
	RELIEF VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY AND DRAIN
	STRAINER
	PUMP
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	FIRE VALVE
	GATE VALVE ON RISE
FS	FLOW SWITCH
TS	TAMPER SWITCH
PS	PRESSURE SWITCH

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NO	DATE	DESCRIPTION

PROJECT NAME:
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PROJECT NUMBER:
20200157

DRAWING TITLE:
FIRE PROTECTION ABBREVIATIONS, NOTES AND SYMBOLS

SCALE:	DRAWN BY:
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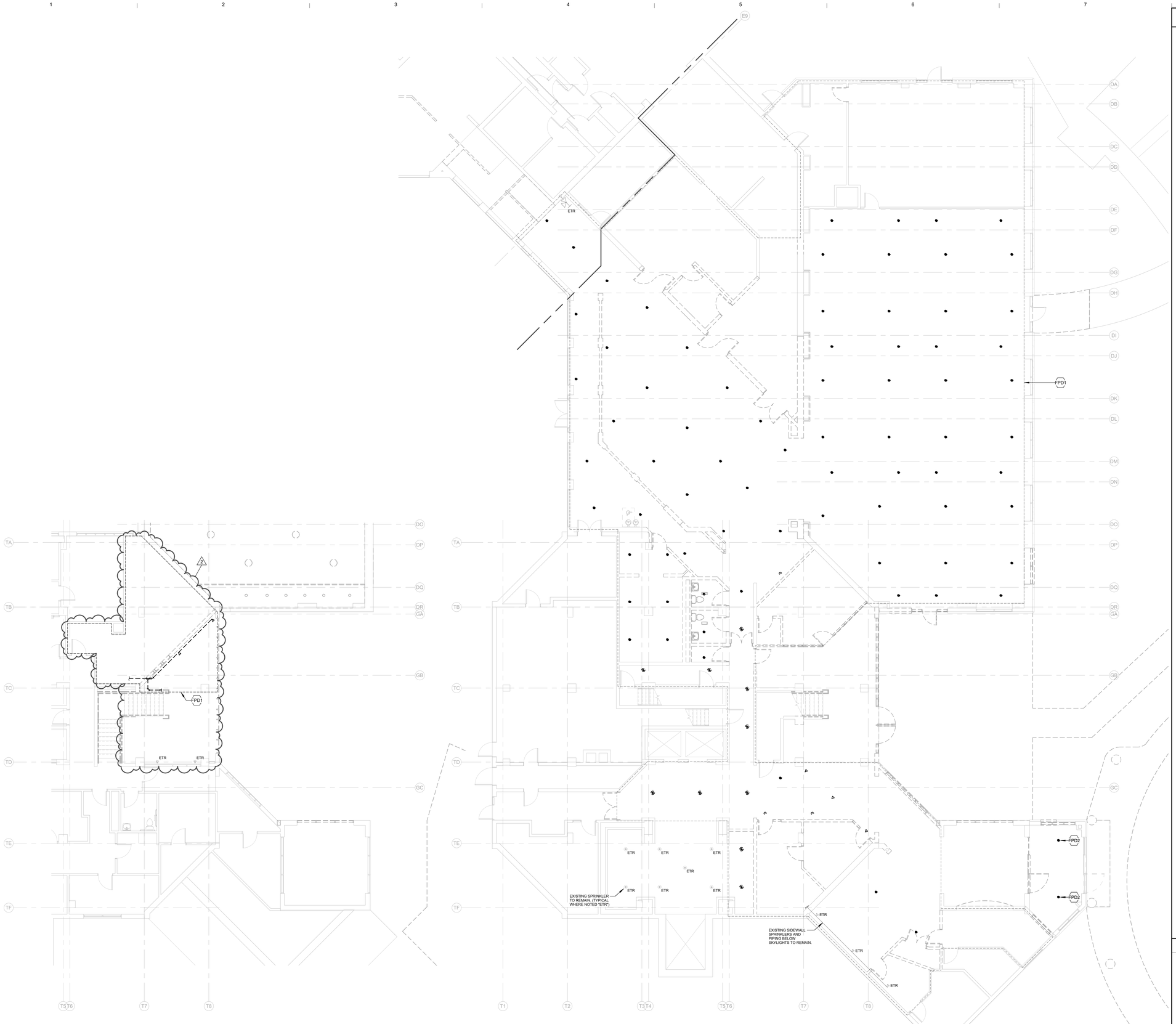


2 FIRE PROTECTION DEMOLITION - FIRST FLOOR SOUTH PLAN
1/8" = 1'-0"

1 FIRE PROTECTION DEMOLITION - GROUND FLOOR SOUTH PLAN
1/8" = 1'-0"

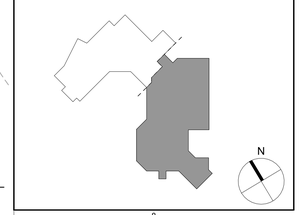
FIRE PROTECTION DEMOLITION KEY NOTES

FPD1 REMOVE ALL EXISTING SPRINKLERS IN DASHED REGION, WHETHER OR NOT SHOWN ON THE DRAWING, UNLESS NOTED TO REMAIN. REMOVE ASSOCIATED SPRINKLER PIPING BACK TO SPRINKLER MAIN OR BRANCH PIPING AND CAP FOR FUTURE CONNECTION TO NEW WORK. EXISTING SPRINKLER MAIN PIPING SHALL REMAIN.

FPD2 REMOVE EXISTING SPRINKLER. MAINTAIN EXISTING SPRINKLER BRANCH PIPING AND CAP FOR CONNECTION TO NEW WORK.

FPD3 REMOVE EXISTING HOSE VALVE, REMOVE ASSOCIATED PIPING TO ABOVE CEILING AND CAP FOR FUTURE CONNECTION TO WORK.

KEYPLAN



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NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
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PROJECT NUMBER:
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DRAWING TITLE:
FIRE PROTECTION GROUND & FIRST FLOOR SOUTH DEMOLITION PLAN

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1 FIRE PROTECTION DEMOLITION - GROUND FLOOR NORTH PLAN
1/8" = 1'-0"

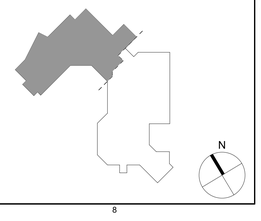
FIRE PROTECTION DEMOLITION KEY NOTES

FPD1 REMOVE ALL EXISTING SPRINKLERS IN DASHED REGION, WHETHER OR NOT SHOWN ON THE DRAWING, UNLESS NOTED TO REMAIN. REMOVE ASSOCIATED SPRINKLER PIPING BACK TO SPRINKLER MAIN OR BRANCH PIPING AND CAP FOR FUTURE CONNECTION TO NEW WORK. EXISTING SPRINKLER MAIN PIPING SHALL REMAIN.

FPD2 REMOVE EXISTING SPRINKLER. MAINTAIN EXISTING SPRINKLER BRANCH PIPING AND CAP FOR CONNECTION TO NEW WORK.

FPD3 REMOVE EXISTING HOSE VALVE. REMOVE ASSOCIATED PIPING TO ABOVE CEILING AND CAP FOR FUTURE CONNECTION TO WORK.

KEYPLAN



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NO	DATE	DESCRIPTION

PROJECT NAME:
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PROJECT ADDRESS:
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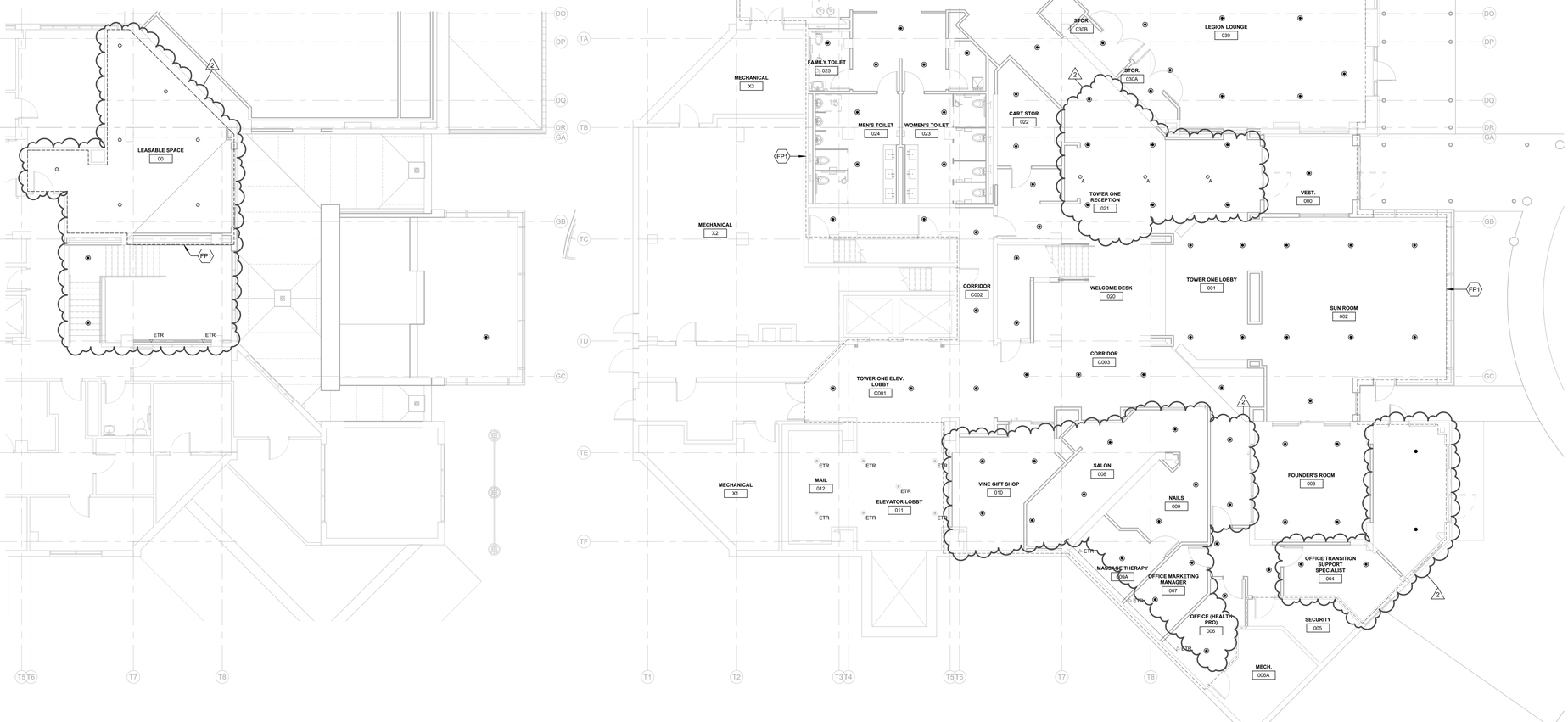
PROJECT NUMBER:
20200157

DRAWING TITLE:
FIRE PROTECTION GROUND FLOOR NORTH DEMOLITION PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **JCC**
DATE: **9/23/2022**
CHECKED BY: **EMG**

DRAWING NUMBER:
FPD1.01

9/22/2022 5:50:03 PM Autodesk Docs://20200157-The Towers/R20-20210204.00-CES - MEP Central - The Towers.rvt



2 FIRE PROTECTION - FIRST FLOOR SOUTH PLAN
1/8" = 1'-0"

1 FIRE PROTECTION - GROUND FLOOR SOUTH PLAN
1/8" = 1'-0"

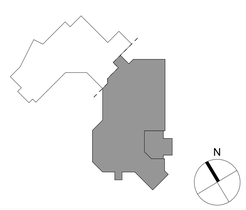
FIRE PROTECTION KEY NOTES

FP1 PROVIDE NEW SPRINKLERS AND SPRINKLER PIPING TO SERVE ALL AREAS WITHIN DASHED REGION. CONNECT TO EXISTING SPRINKLER MAIN(S). SPRINKLER SPACING AND DENSITY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, 2013 EDITION.

FP2 CONNECT 4" WET TO EXISTING STANDPIPE PIPING ABOVE CEILING AND ROUTE ABOVE CEILING TO SUPPLY NEW 2-1/2" HOSE VALVE.

FP3 PROVIDE 2-1/2" HOSE VALVE, REFER TO DETAIL #3/FP5.00.

KEYPLAN



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DRAWING TITLE:
FIRE PROTECTION GROUND & FIRST FLOOR SOUTH PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **JCC**
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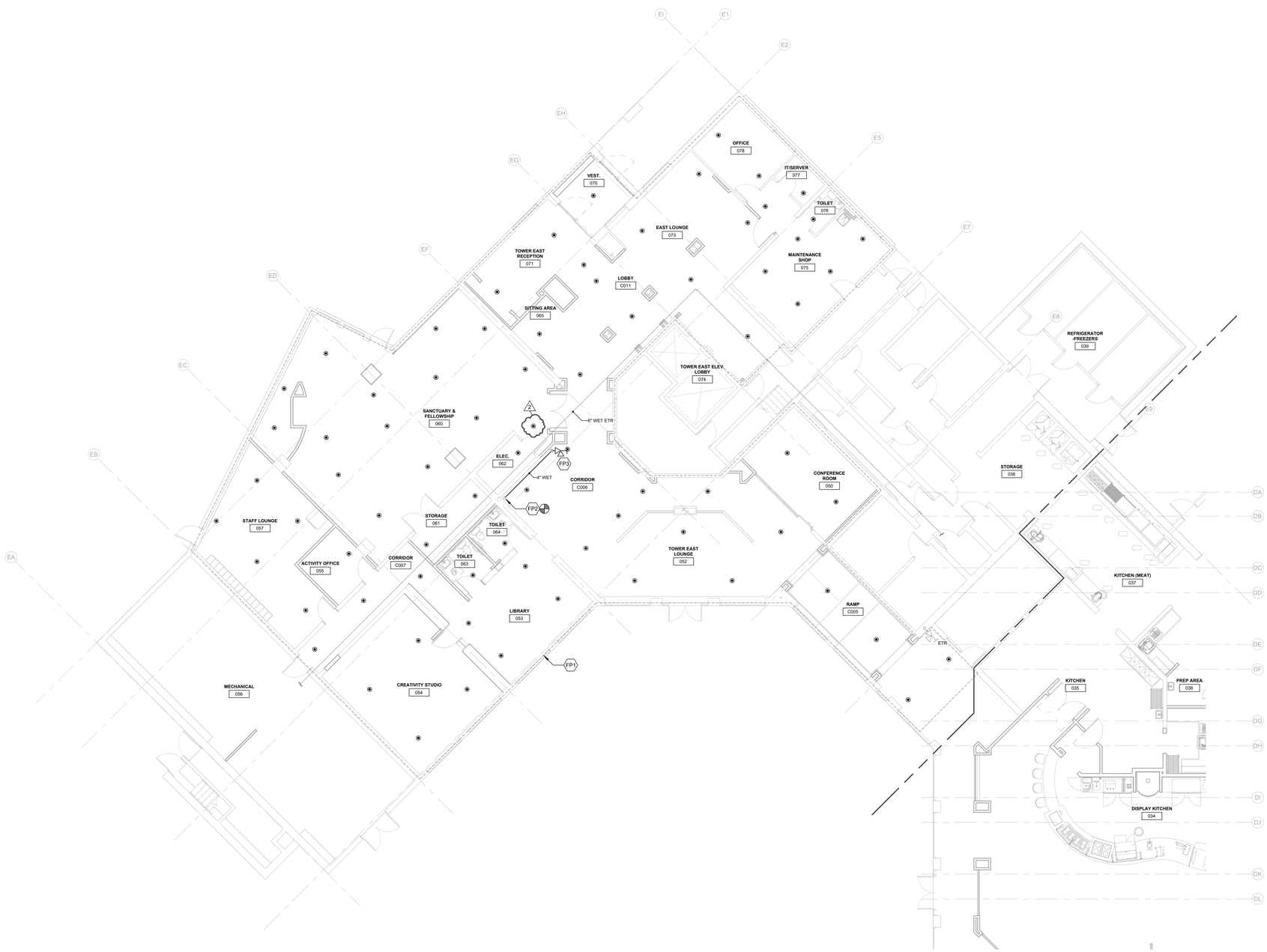

1 FIRE PROTECTION - GROUND FLOOR NORTH PLAN
1/8" = 1'-0"

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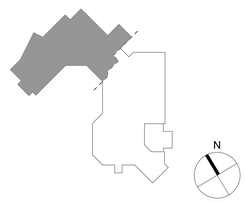

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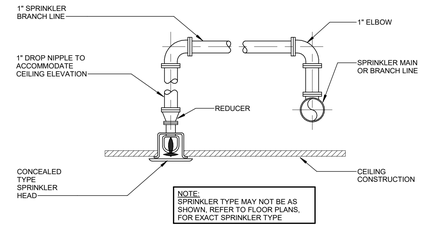
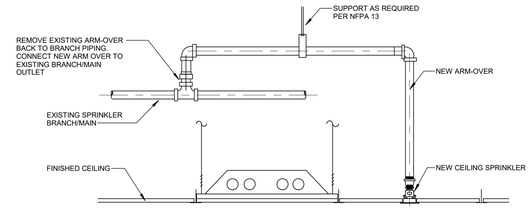
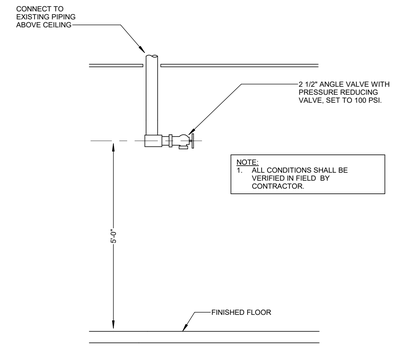


1 ARMOVER DETAIL
NTS



2 ARMOVER CONNECTION TO EXISTING OUTLET
NTS



3 HOSE VALVE CONNECTION DETAIL
NTS

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FIRE PROTECTION DETAILS

SCALE:	DRAWN BY:
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FP5.00

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PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE TYPE	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION	TEMPID WATER
DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	-	-
DRINKING FOUNTAIN (2 BOWL)	1 1/2" (2)	1 1/2" (2)	1/2" (2)	-	-
EMERGENCY SHOWER	-	-	3/4"	3/4"	1"
JANITORS MOP BASIN	2"	1 1/2"	1/2"	1/2"	-
LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	-
SINK	1 1/2"	1 1/2"	1/2"	1/2"	-
URINAL	2"	1 1/2"	3/4"	-	-
WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/2"	-	-
HOSE BIB (CW ONLY)	-	-	1/2"	-	-
HOSE BIB (CW & HW)	-	-	1/2"	1/2"	-

NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL PLUMBING FIXTURE MOUNTING HEIGHTS.
2. ALL PIPE TRAPS AT SINKS AND LAVATORIES SHALL BE CHROME PLATED BRASS.

PLUMBING PIPING LEGEND

SYMBOL	DESCRIPTION
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATION
SAN	SANITARY DRAIN/WASTE ABOVE FLOOR
SAN	SANITARY DRAIN/WASTE BELOW FLOOR
V	VENT
IW	INDIRECT WASTE
PST	STORM ABOVE FLOOR (PRIMARY)
PST	STORM BURIED (PRIMARY)
SST	STORM ABOVE FLOOR (SECONDARY)
G	NATURAL GAS
GW	GREASE WASTE
GW	GREASE WASTE BELOW FLOOR
TW	TEMPERED WATER (65°F)
	PIPE RISE
	PIPE DROP
	PIPE TEE TOWARDS (UP IN PLAN)
	PIPE TEE AWAY (DOWN IN PLAN)
	PIPE DROP AND RUN
	DIRECTION OF FLOW
	PIPE TRAP
	DIRT LEG
CO	CLEANOUT
	UNION OR FLANGE
	BLIND FLANGE
	END CAP
	REDUCER

PLUMBING DEMOLITION GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES, CARRIERS, TRIM, ACCESSORIES, EQUIPMENT, FLOOR DRAINS AND PIPING AS SHOWN OR INDICATED ON THE DRAWINGS.
2. ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR AS OTHERWISE SHOWN OR INDICATED ON DRAWINGS. ALL PIPE HANGERS, SLEEVES, RISER CLAMPS, ETC. SHALL BE REMOVED COMPLETELY WITH PIPING. NO EXISTING HANGER SYSTEMS SHALL BE REUSED FOR NEW PIPING.
3. ALL PIPING TO BE REMOVED SHALL BE REMOVED TO BELOW FLOOR, ABOVE CEILING OR IN WALLS BACK TO MAINS OR SHUT OFF VALVES AT MAINS AND PROPERLY CAPPED PER CODE WITHOUT LEAVING DEAD ENDED PIPING.
4. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
5. ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL FIXTURES, PIPING, AND DEVICES MAY NOT BE SHOWN. THE INTENT OF THESE DRAWINGS IS THAT IN ALL AREAS OF RENOVATION THAT THEY ARE REMOVED, WHETHER OR NOT SHOWN (UNLESS INDICATED TO REMAIN).
6. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
7. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY PIPING CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
8. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE PLUMBING DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
9. THE PLUMBING CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
10. ALL SERVICE INTERUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER A MINIMUM OF 5 DAYS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
11. THE PLUMBING CONTRACTOR SHALL COORDINATE THEIR DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.
12. ANY FIXTURE OR EQUIPMENT TO BE REMOVED AND REUSED OR RETURNED TO OWNER AT OWNERS REQUEST OR AS INDICATED ON DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.

PLUMBING GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEM.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF FOOD SERVICE AND OR KITCHEN EQUIPMENT PLUMBING ACCESSORIES FURNISHED BY DIVISION 11, INCLUDING BUT NOT LIMITED TO: FAUCETS, VACUUM BREAKERS, SOLENOIDS, PRESSURE REDUCING VALVES, GAS SUPPLY HOSES, DRAINS, SINK TAILPIECES, AND OTHER TRIM SUPPLIED WITH EQUIPMENT. THE CONTRACTOR MUST REVIEW THE KITCHEN DESIGN DOCUMENTS AND SPECIFICATIONS AS PART OF THIS CONTRACT FOR ADDITIONAL WORK AND OR COORDINATION REQUIRED.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING & INSTALLING ALL SERVICES TO HVAC EQUIPMENT INCLUDING BUT NOT LIMITED TO: GAS SUPPLY PIPING, CONDENSATE PIPING, COLD WATER MAKE-UP PIPING, DRAINS, & CONNECTIONS TO AIR HANDLING UNITS, FAN COIL UNITS, UNIT HEATERS, HEAT PUMPS, ETC. ALSO, DEVICES REQUIRED INCLUDE BACKFLOW PREVENTERS, REGULATORS, UNIONS, TRAPS, & SHUT-OFF VALVES REQUIRED FOR THIS EQUIPMENT. REFER TO MECHANICAL DWGS. FOR ADDITIONAL INFORMATION AND COORDINATION.
6. THE CONTRACTOR SHALL PROVIDE PIPE EXPANSION JOINTS ON PIPING PASSING THRU ALL BUILDING EXPANSION JOINT LOCATIONS AS REQUIRED PER BUILDING CODES WHETHER OR NOT SHOWN ON DRAWINGS. REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT BUILDING EXPANSION JOINT LOCATIONS AND EXPANSION DIMENSIONS.

GENERAL ABBREVIATIONS

AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
AHJ	AUTHORITY HAVING JURISDICTION
AP	ACCESS PANEL
AV	ACID VENT
AVTR	ACID VENT THRU ROOF
AW	ACID WASTE
BAS	BUILDING AUTOMATION SYSTEM
BTU	BRITISH THERMAL UNIT
BTUH	BTU / HOUR
BOP	BOTTOM OF PIPE
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
DIA	DIAMETER
DN	DOWN
DSN	DOWN SPOUT NOZZLE
DW	DIRECT WASTE
ELEC	ELECTRICAL
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWS	EMERGENCY EYEWASH/SHOWER
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FFE	FINISHED FLOOR ELEVATION
FGCO	FINISHED GRADE CLEANOUT
FLA	FULL LOAD AMPS
FLD	FLOOR DRAIN
FS	FLOOR SINK
FT	FEET
FT WG	FEET HEAD
G	GAS
GALL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSV	GAS SOLENOID VALVE
GW	GREASE WASTE
GV	GAS VENT
HB	HOSE BIB
HW	HOT WATER
HD	HEAD
HP	HORSEPOWER
HZ	HERTZ
HWR	HOT WATER RECIRCULATION
INT	INTERCEPTOR
INV ELEV	INVERT ELEVATION
IW	INDIRECT WASTE
KW	KILOWATT
LAV	LAVATORY
MAX	MAXIMUM
MECH	MECHANICAL
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
NIC	NOT IN CONTRACT
NG	NATURAL GAS
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN
OW	OIL WASTE
PCD	PUMPED CONDENSATE DRAIN
PLBG	PLUMBING
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
RD	ROOF DRAIN
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RTU	ROOFTOP UNIT
SAN	SANITARY
SQFT / SF	SQUARE FEET
SS	SOIL STACK
ST	STORM
SST	SECONDARY STORM
TEMP	TEMPERATURE
TW	TEMPERED WATER
TYP	TYPICAL
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WS	WASTE STACK
W&V	WASTE AND VENT

PLUMBING VALVE AND SYMBOL LEGEND

SYMBOL	DESCRIPTION
	BALL VALVE
	BALL VALVE WITH HOSE BIBB, CAP & CHAIN (DRAIN VALVES)
	BUTTERFLY VALVE
	GLOBE VALVE
	GATE VALVE
	OS&Y VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	Y-PATTERN STRAINER
	AUTOMATIC CONTROL VALVE, MODULATING ACTUATOR
	AUTOMATIC CONTROL VALVE, TWO POSITION ACTUATOR
	THREE WAY AUTOMATIC CONTROL VALVE, MODULATING ACTUATOR
	THREE WAY AUTOMATIC CONTROL VALVE, TWO POSITION ACTUATOR
	AUTOMATIC FLOW CONTROL VALVE (PRESSURE INDEPENDENT)
	COMBINATION SHUT OFF/BALANCING VALVE (CIRCUIT SETTER)
FM	FLOW MEASURING DEVICE
	DOUBLE CHECK VALVE ASSEMBLY
	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY AND DRAIN
	GATE VALVE IN ROAD CURB BOX
	BACKWATER VALVE
	PUMP
M	WATER METER
	FLOOR DRAIN / FLOOR SINK / AREA DRAIN WITH PIPE TRAP
	ROOF / OVERFLOW DRAIN
TP	TRAP PRIMER
GM	GAS METER
	WATER HAMMER ARRESTOR
	ADA ACCESSIBLE FIXTURE
	CONNECT TO EXISTING

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PLUMBING ABBREVIATIONS, NOTES AND SYMBOLS

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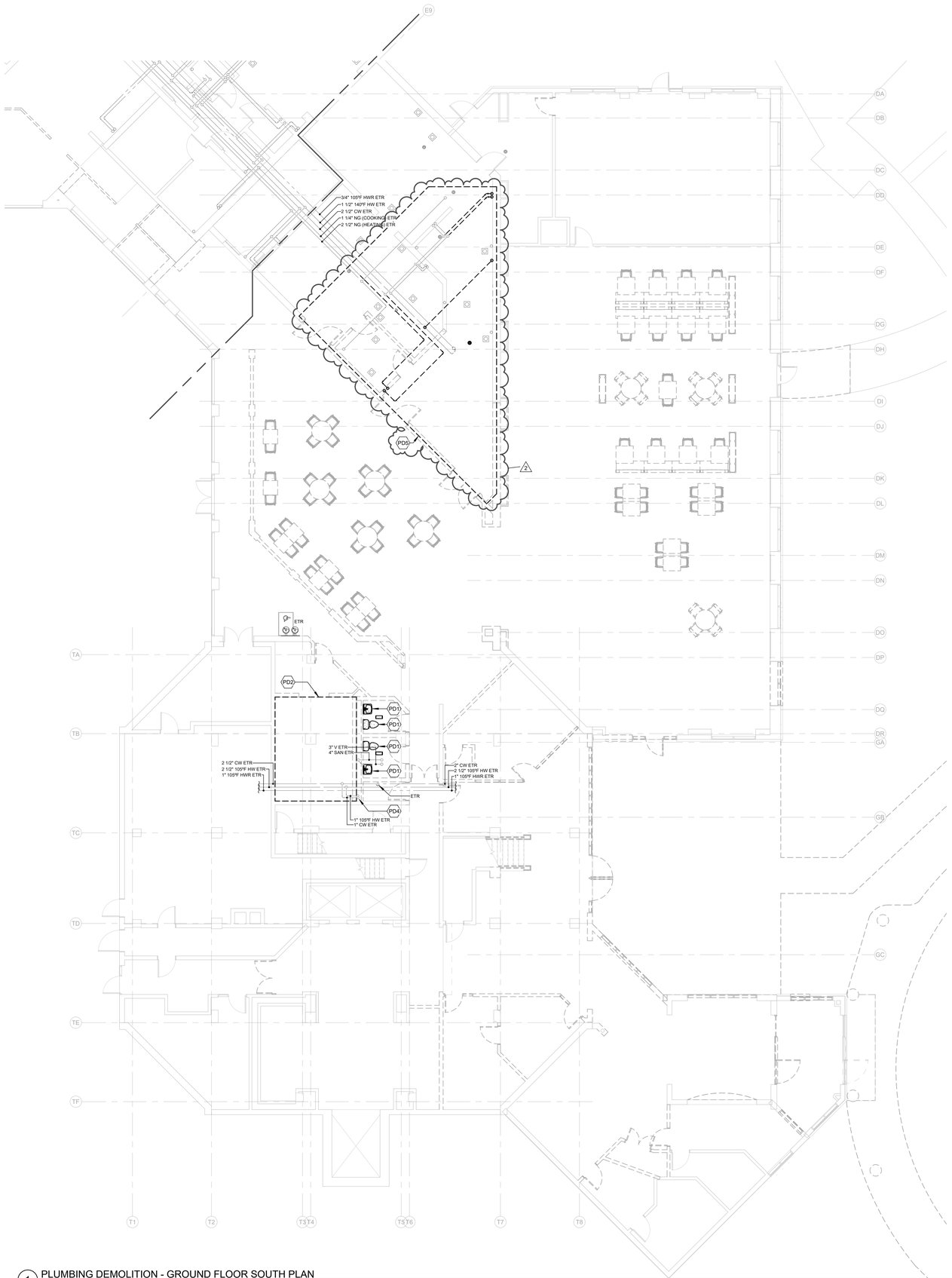


1 PLUMBING DEMOLITION - GROUND FLOOR SOUTH PLAN
1/8" = 1'-0"

PLUMBING DEMOLITION KEY NOTES

PD1 REMOVE EXISTING PLUMBING FIXTURE. REMOVE ASSOCIATED DOMESTIC WATER SUPPLY PIPING BACK TO MAIN ABOVE CEILING AND CAP FOR CONNECTION TO NEW WORK. REMOVE SANITARY PIPING TO BELOW SLAB AND CAP. REMOVE VENT PIPING BACK TO MAIN AND CAP.

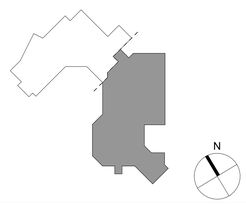
PD2 EXISTING HAIR SALON WASH SINKS IN DASHED REGION TO BE RELOCATED. REMOVE ASSOCIATED DOMESTIC WATER SUPPLY PIPING AND VENT PIPING BACK TO MAIN ABOVE CEILING AND CAP FOR CONNECTION TO NEW WORK. REMOVE SANITARY PIPING TO BELOW SLAB AND CAP. REFER TO DRAWING P1.02 FOR NEW LOCATION OF FIXTURE.

PD3 EXISTING WALL RECESSED WATER COOLER TO BE RELOCATED. REMOVE ASSOCIATED DOMESTIC WATER SUPPLY PIPING AND VENT PIPING BACK TO MAIN ABOVE CEILING AND CAP FOR CONNECTION TO NEW WORK. REMOVE SANITARY PIPING TO BELOW SLAB AND CAP. REFER TO DRAWING P1.02 FOR NEW LOCATION OF FIXTURE.

PD4 MAINTAIN EXISTING 1" CW & 1" HW DROP IN WALL FOR CONNECTION TO PLUMBING FIXTURES.

PD5 CONTRACTOR TO COORDINATE DEMOLITION OF EXISTING PLUMBING PIPING/FIXTURES WITHIN DASHED REGION WITH KITCHEN CONSULTANT. WHERE EQUIPMENT IS TO BE REMOVED, CONTRACTOR SHALL REMOVE ASSOCIATED DOMESTIC WATER AND VENT PIPING BACK TO NEAREST ACTIVE BRANCH OR MAIN AND CAPPED. REMOVE ASSOCIATED SANITARY PIPING AND CAP FLUSH WITH FINISHED FLOOR ELEVATION.

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING GROUND FLOOR SOUTH DEMOLITION PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	JCC
DATE: 9/23/2022	CHECKED BY: EMG

DRAWING NUMBER:
PD1.02

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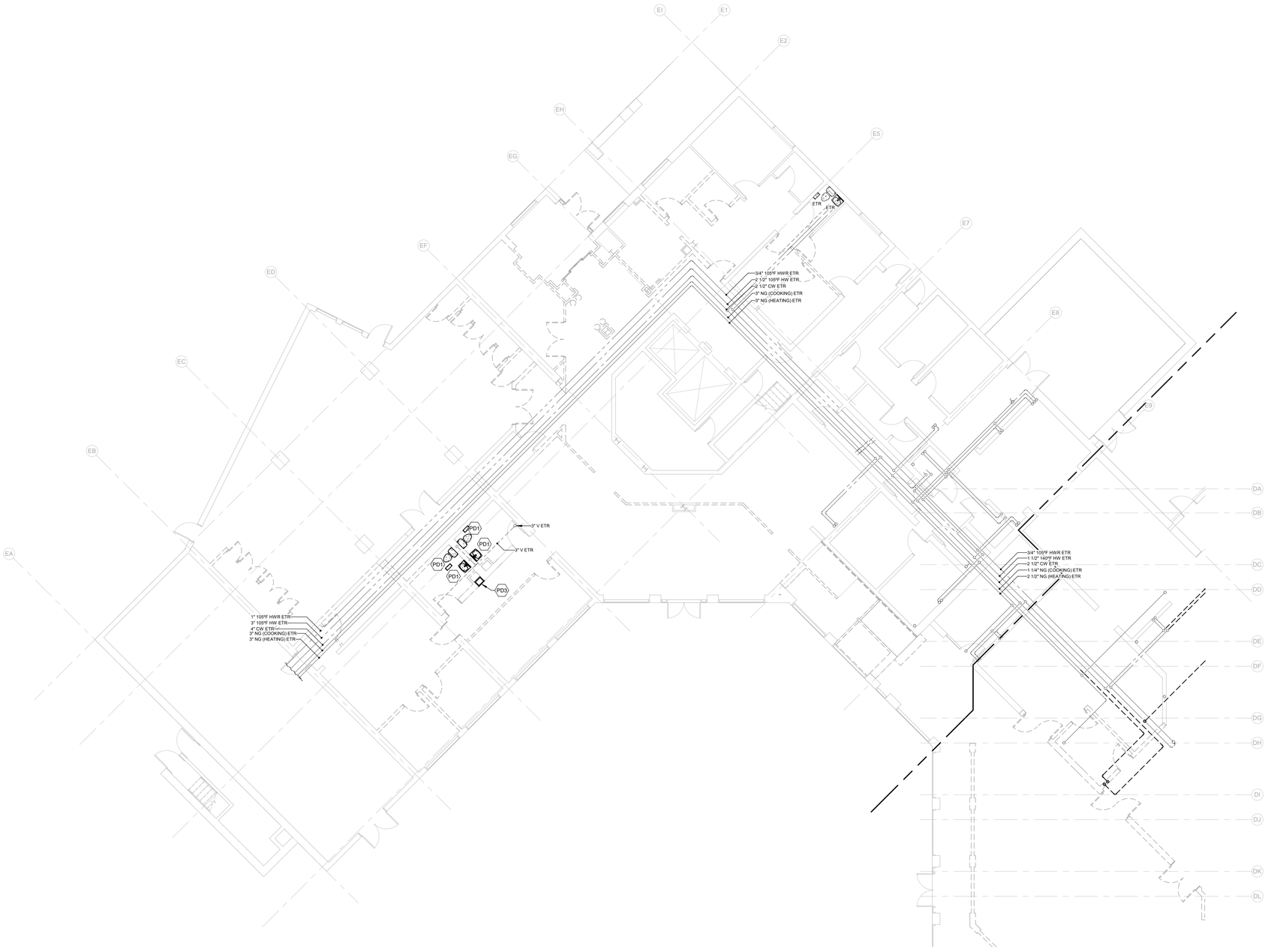


1 PLUMBING DEMOLITION - GROUND FLOOR NORTH PLAN
1/8" = 1'-0"

PLUMBING DEMOLITION KEY NOTES

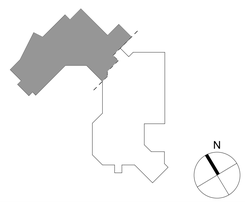
PD1 REMOVE EXISTING PLUMBING FIXTURE. REMOVE ASSOCIATED DOMESTIC WATER SUPPLY PIPING BACK TO MAIN ABOVE CEILING AND CAP FOR CONNECTION TO NEW WORK. REMOVE SANITARY PIPING TO BELOW SLAB AND CAP. REMOVE VENT PIPING BACK TO MAIN AND CAP.

PD2 EXISTING HAIR SALON WASH SINKS IN DASHED REGION TO BE RELOCATED. REMOVE ASSOCIATED DOMESTIC WATER SUPPLY PIPING AND VENT PIPING BACK TO MAIN ABOVE CEILING AND CAP FOR CONNECTION TO NEW WORK. REMOVE SANITARY PIPING TO BELOW SLAB AND CAP. REFER TO DRAWING P1.02 FOR NEW LOCATION OF FIXTURE.

PD3 EXISTING WALL RECESSED WATER COOLER TO BE RELOCATED. REMOVE ASSOCIATED DOMESTIC WATER SUPPLY PIPING AND VENT PIPING BACK TO MAIN ABOVE CEILING AND CAP FOR CONNECTION TO NEW WORK. REMOVE SANITARY PIPING TO BELOW SLAB AND CAP. REFER TO DRAWING P1.02 FOR NEW LOCATION OF FIXTURE.

PD4 MAINTAIN EXISTING 1" CW & 1" HW DROP IN WALL FOR CONNECTION TO PLUMBING FIXTURES.

KEYPLAN



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18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING GROUND FLOOR NORTH DEMOLITION PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **JCC**
DATE: **9/23/2022**
CHECKED BY: **EMG**

DRAWING NUMBER:
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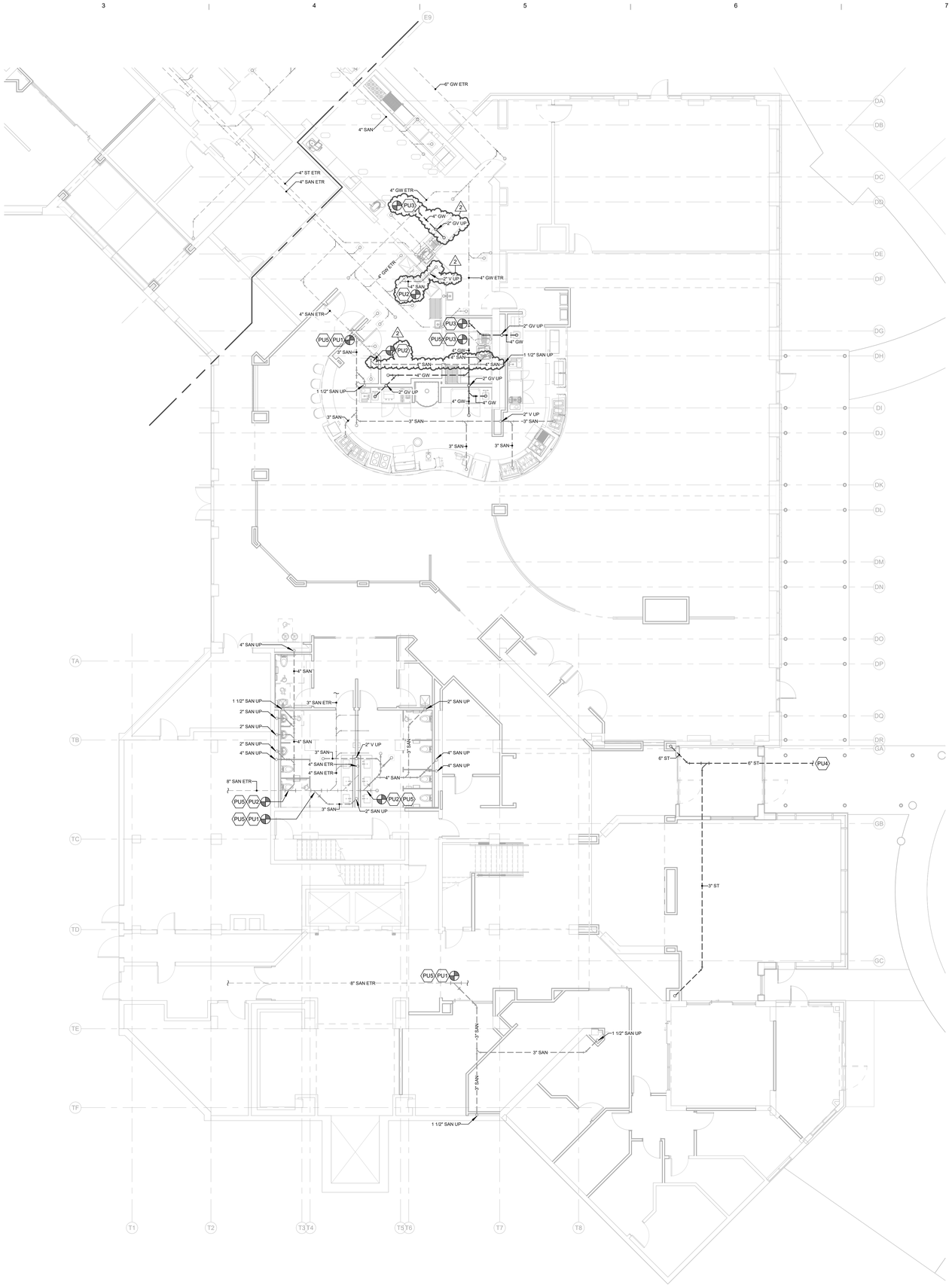


1 PLUMBING - UNDERGROUND SOUTH PLAN
1/8" = 1'-0"

PLUMBING UNDERGROUND KEY NOTES

PU1 PROVIDE 3" SAN, CONNECT TO EXISTING SANITARY PIPING.

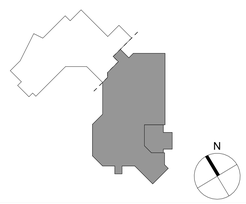
PU2 PROVIDE 4" SAN, CONNECT TO EXISTING SANITARY PIPING.

PU3 PROVIDE 4" GW, CONNECT TO EXISTING GREASE WASTE PIPING.

PU4 PROVIDE 6" ST, CONNECT TO EXISTING STORM PIPING EXITING BUILDING.

PU5 CONTRACTOR TO SCOPE EXISTING UNDERGROUND SANITARY PIPING TO VERIFY EXISTING PIPE SIZE, LOCATION, AND DEPTH PRIOR TO CONSTRUCTION. CONTRACTOR TO PROVIDE PIPING AS REQUIRED TO SERVE NEW PLUMBING FIXTURES AND CONNECT TO EXISTING PIPING.

KEYPLAN



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NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4
1	10/4/2022	ADDENDUM #2

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NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING UNDERGROUND SOUTH PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	JCC
DATE: 9/23/2022	CHECKED BY: EMG

DRAWING NUMBER:
P1.00

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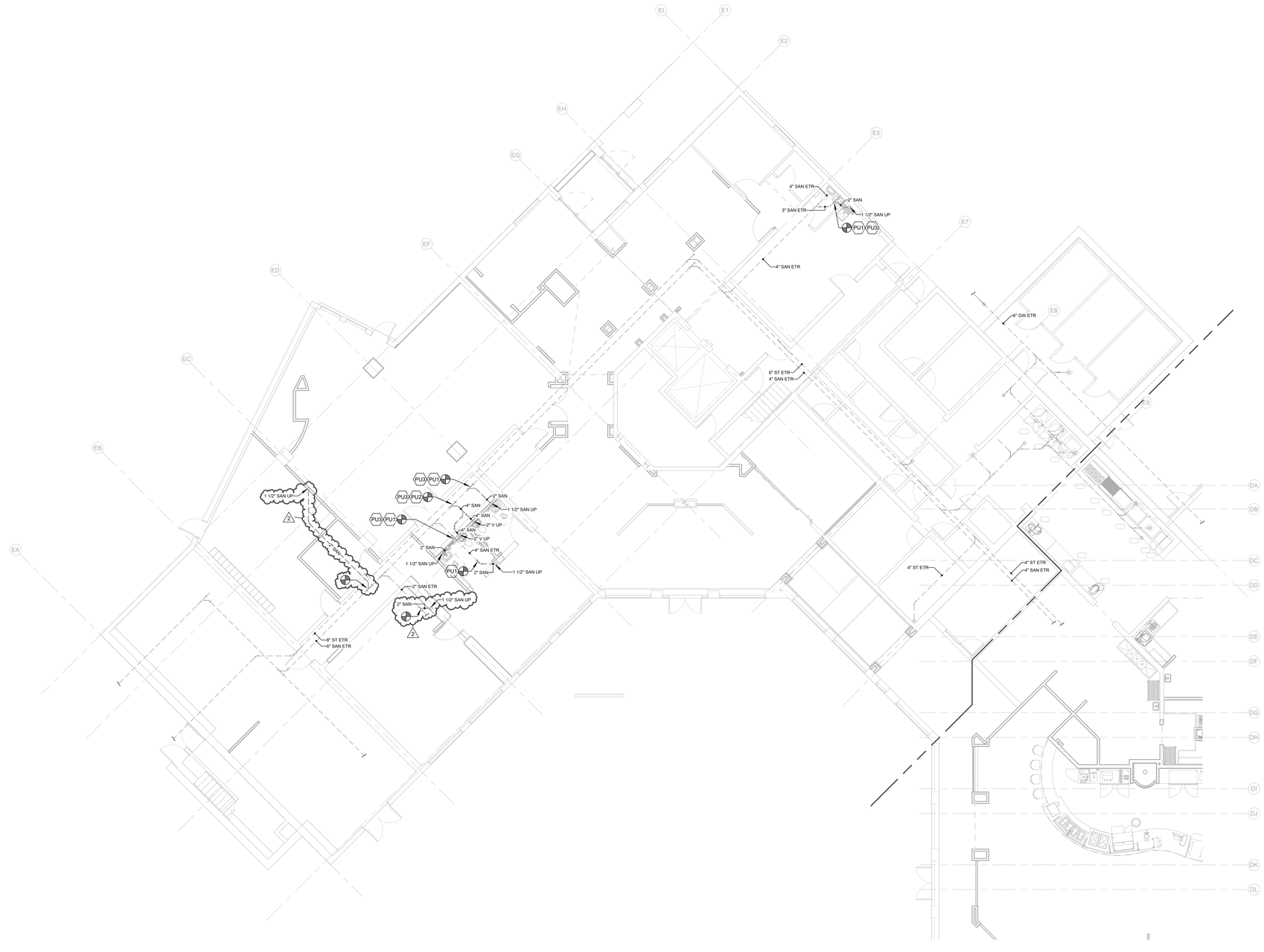


1 PLUMBING - UNDERGROUND NORTH PLAN
1/8" = 1'-0"

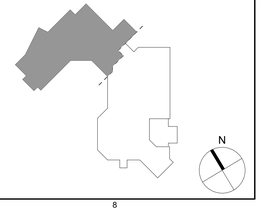
PLUMBING UNDERGROUND KEY NOTES

PU1 PROVIDE 2" SAN, CONNECT TO EXISTING SANITARY.

PU2 PROVIDE 4" SAN, CONNECT TO EXISTING SANITARY.

PU3 CONTRACTOR TO SCOPE EXISTING UNDERGROUND SANITARY PIPING TO VERIFY EXISTING PIPE SIZE, LOCATION, AND DEPTH PRIOR TO CONSTRUCTION. CONTRACTOR TO PROVIDE PIPING AS REQUIRED TO SERVE NEW PLUMBING FIXTURES AND CONNECT TO EXISTING PIPING.

KEYPLAN



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1	10/4/2022	ADDENDUM #2

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18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING UNDERGROUND NORTH PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **JCC**
DATE: **9/23/2022**
CHECKED BY: **EMG**
DRAWING NUMBER:
P1.01

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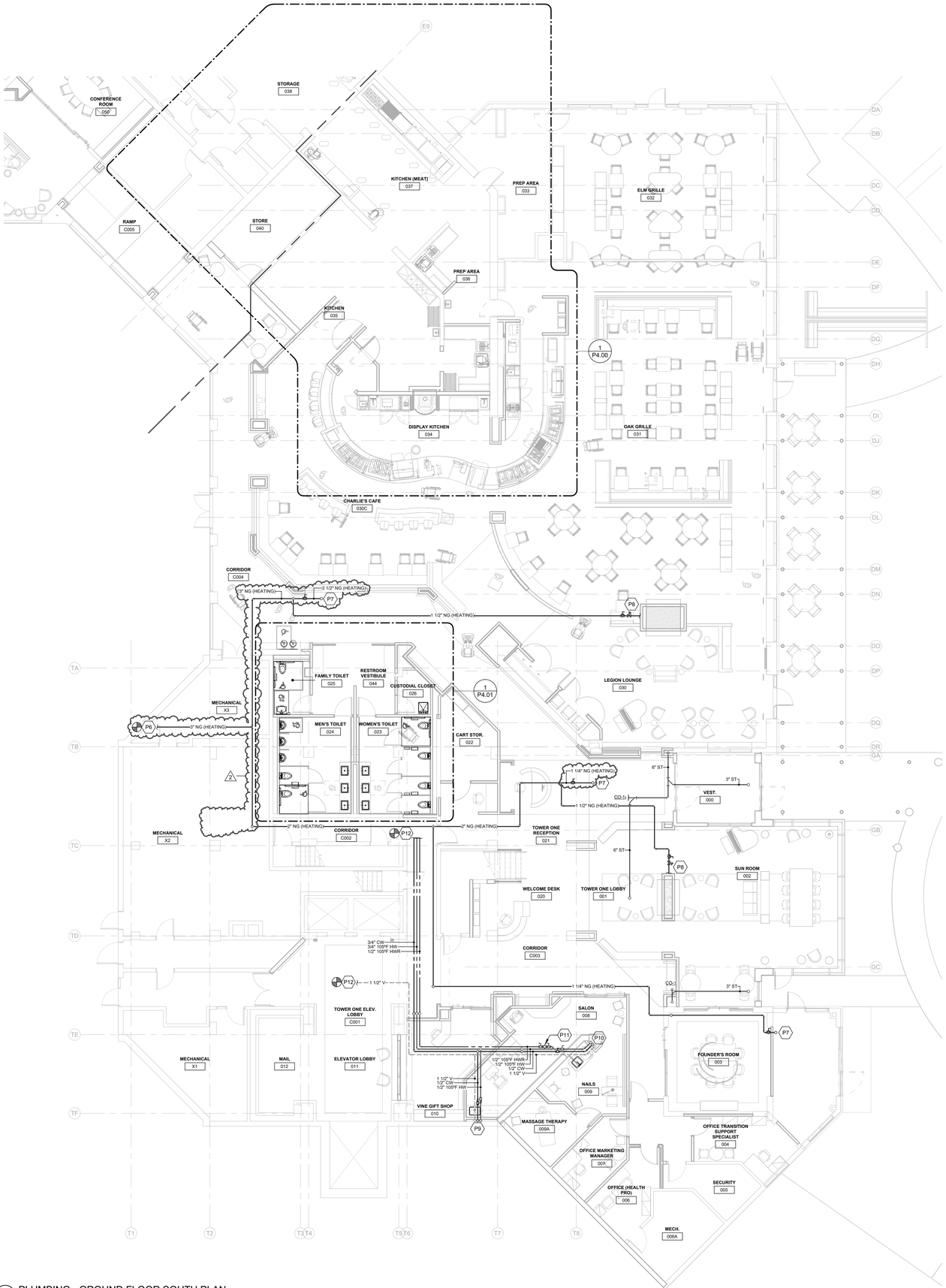


1 PLUMBING - GROUND FLOOR SOUTH PLAN
1/8" = 1'-0"

PLUMBING KEY NOTES

P1 CONNECT TO EXISTING CW AND HW PIPING ABOVE CEILING AND PROVIDE PLUMBING CONNECTIONS TO NEW FIXTURES. SIZES SHALL BE IN ACCORDANCE WITH THE PLUMBING FIXTURE CONNECTION SCHEDULE ON DRAWING P0.00.

P2 1/2" CW & 1/2" HW DN. 1-1/2" SAN DN, 1-1/2" V UP.

P3 PROVIDE CONNECTIONS TO NEW LAV AND WATER CLOSET. SIZES SHALL BE IN ACCORDANCE WITH THE PLUMBING FIXTURE CONNECTION SCHEDULE ON DRAWING P0.00. REFER TO DETAIL # 1/P5.00 FOR DOMESTIC WATER PIPING TO LAV (TYP).

P4 *NUMBER NOT USED.*

P5 EXISTING WALL RECESSED WATER COOLER TO BE RELOCATED TO THIS LOCATION. CONNECT TO EXISTING CW PIPING ABOVE CEILING AND SUPPLY TO WATER COOLER. PROVIDE 1-1/2" SAN DN, 1-1/2" V UP. CONNECT TO EXISTING.

P6 PROVIDE 3" NG, CONNECT TO EXISTING NATURAL 5" NG PIPING.

P7 PROVIDE NG UP TO ROOF TOP MECHANICAL EQUIPMENT. PROVIDE SHUT-OFF VALVE AND DIRT LEG BEFORE PENETRATION THROUGH ROOF TO PREVENT FREEZING. PROVIDE SHUT-OFF VALVE AND PRESSURE REGULATOR ON ROOF.

P8 PROVIDE 1-1/2" NG, VALVED AND CAPPED FOR FUTURE CONNECTION TO FIREPLACE. FIREPLACE SHALL BE INSTALLED AS PART OF PHASE 2.

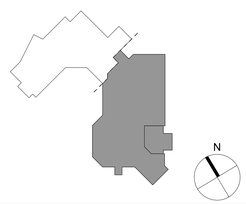
P9 PROVIDE 1/2" CW, 1/2" HW SUPPLY TO SINK. PROVIDE 1-1/2" SAN DN, 1-1/2" V UP.

P10 PROVIDE 1/2" CW, 1/2" HW SUPPLY TO FOOT BATH. PROVIDE 1-1/2" SAN DN, 1-1/2" V UP.

P11 PROVIDE HWR BALANCE VALVE, SET TO 0.5 GPM.

P12 CONNECT TO EXISTING PIPING ABOVE CEILING, CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD PRIOR TO CONSTRUCTION.

KEYPLAN



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NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4
1	10/4/2022	ADDENDUM #2

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
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NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING GROUND FLOOR SOUTH PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **JCC**
DATE: **9/23/2022**
CHECKED BY: **EMG**

DRAWING NUMBER:
P1.02

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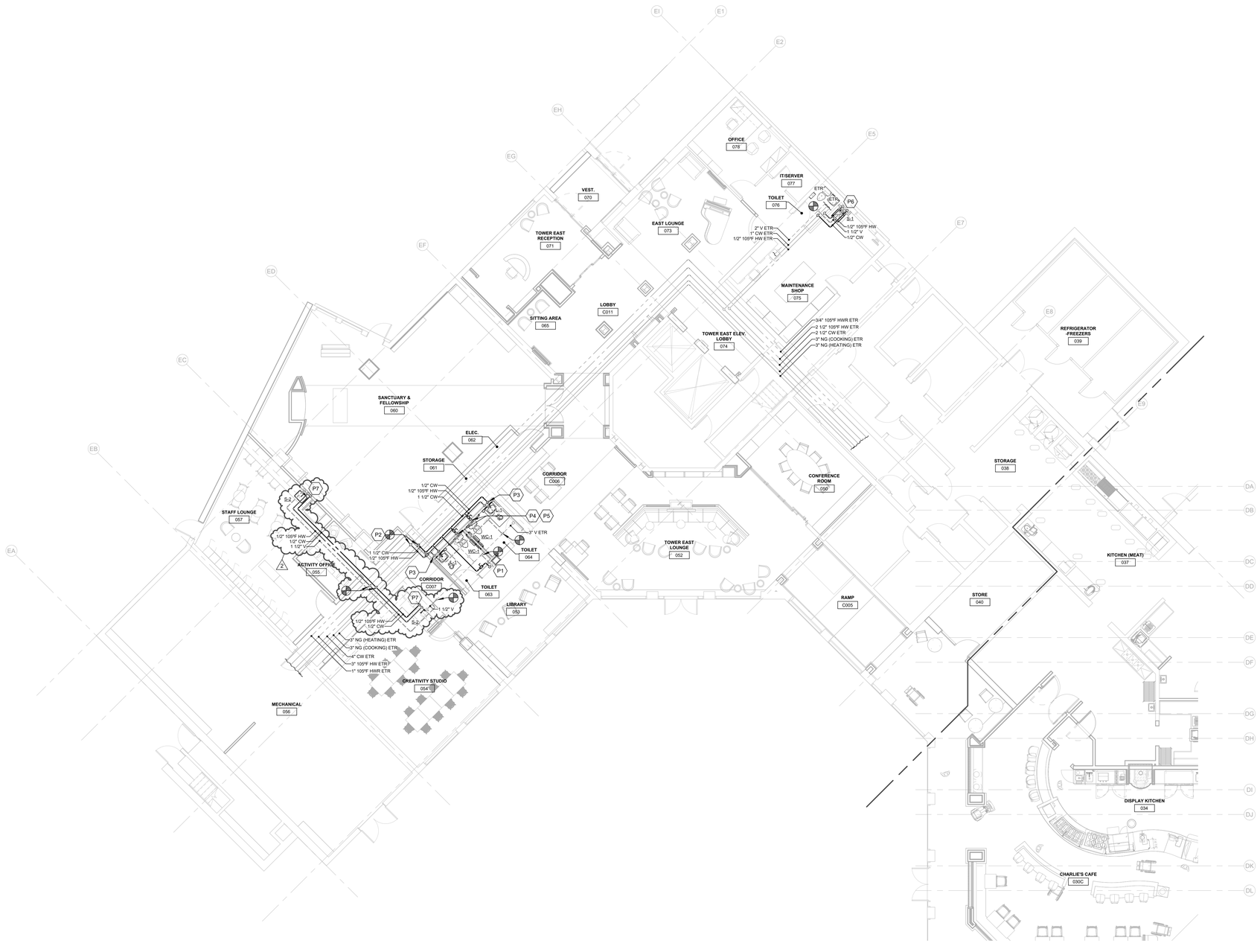
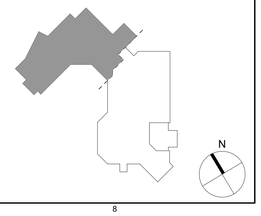


1 PLUMBING - GROUND FLOOR NORTH PLAN
1/8" = 1'-0"

PLUMBING KEY NOTES

- P1 EXISTING WALL RECESSED WATER COOLER TO BE RELOCATED TO THIS LOCATION. CONNECT TO EXISTING CW PIPING ABOVE CEILING AND SUPPLY TO WATER COOLER. PROVIDE 1-1/2" SAN DN, 1-1/2" V UP AND CONNECT TO EXISTING PIPING. PROVIDE 1/2" CW SUPPLY.
- P2 PROVIDE 1-1/2" CW, CONNECT TO EXISTING 4" CW. PROVIDE 1/2" HW, CONNECT TO EXISTING 3" HW.
- P3 PROVIDE 1/2" CW, 1/2" HW SUPPLY TO LAVATORY. PROVIDE 1-1/2" SAN DN TO BELOW SLAB, 1-1/2" V UP.
- P4 PROVIDE 1-1/2" CW SUPPLY TO WATER CLOSET. PROVIDE WATER HAMMER ARRESTOR, WHA-1, ON SUPPLY ABOVE CEILING IN AN ACCESSIBLE LOCATION.
- P5 PROVIDE 2" V FROM BELOW SLAB.
- P6 PROVIDE 1/2" CW, 1/2" HW, 1-1/2" V TO CONNECT TO EXISTING PIPING ABOVE CEILING. PROVIDE 1/2" CW, 1/2" HW SUPPLY TO S-1. PROVIDE 1-1/2" SAN DN, 1-1/2" V UP. CONNECT TO EXISTING PIPING.
- P7 PROVIDE 1/2" CW, 1/2" HW SUPPLY TO S-2. PROVIDE 1-1/2" SAN DN, 1-1/2" V UP. CONNECT TO EXISTING PIPING.

KEYPLAN



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1/8" = 1'-0"	JCC
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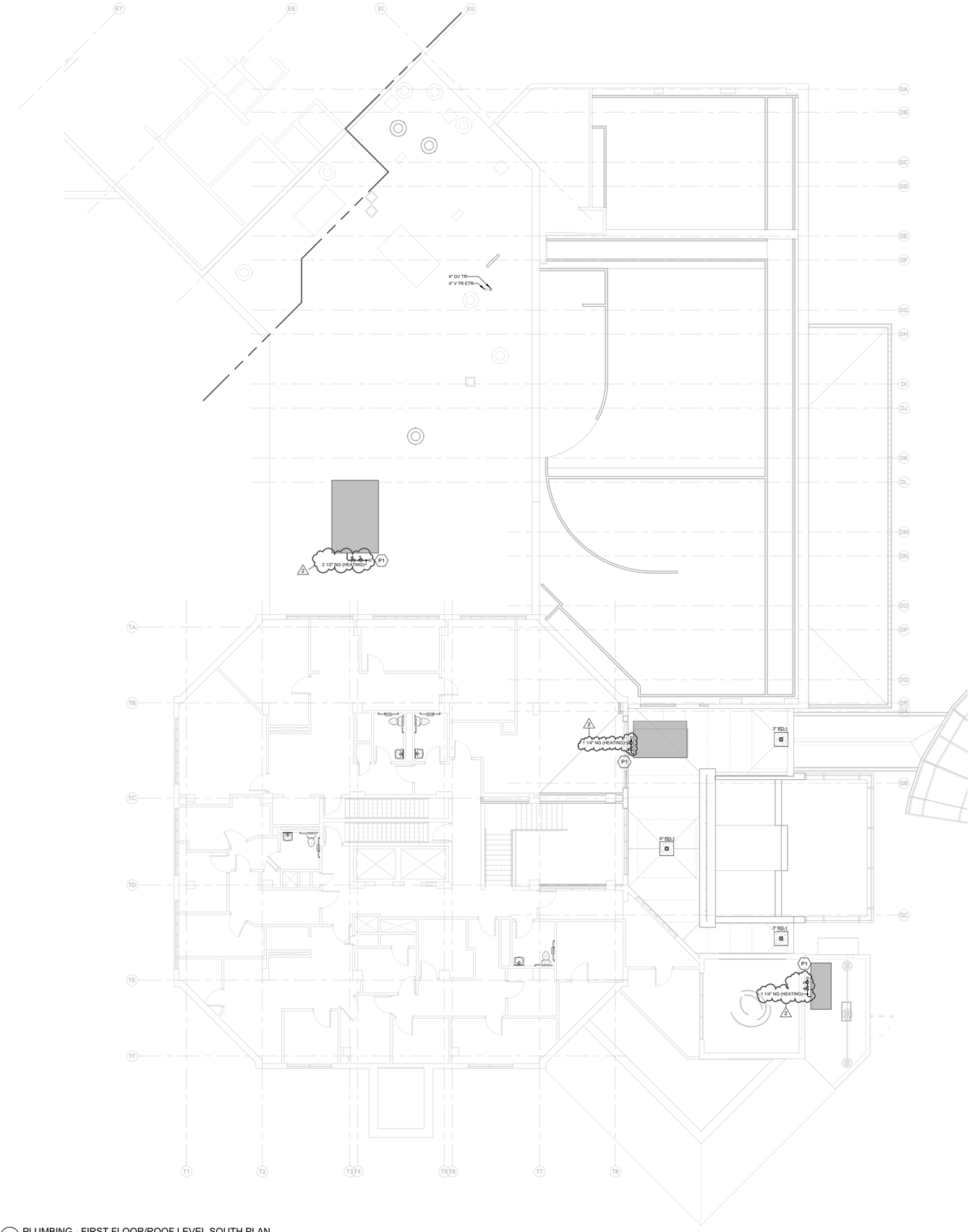
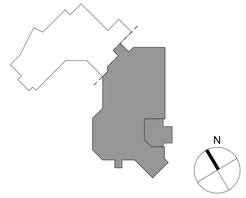


1 PLUMBING - FIRST FLOOR/ROOF LEVEL SOUTH PLAN
1/8" = 1'-0"

PLUMBING ROOF KEY NOTES

2 P1 PROVIDE NATURAL GAS CONNECTION WITH SHUT-OFF VALVE AND PRESSURE REGULATOR TO MECHANICAL ROOF TOP EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR EXACT EQUIPMENT LOCATION.

KEYPLAN



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING FIRST FLOOR/ROOF LEVEL SOUTH PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	JCC
DATE: 9/23/2022	CHECKED BY: EMG

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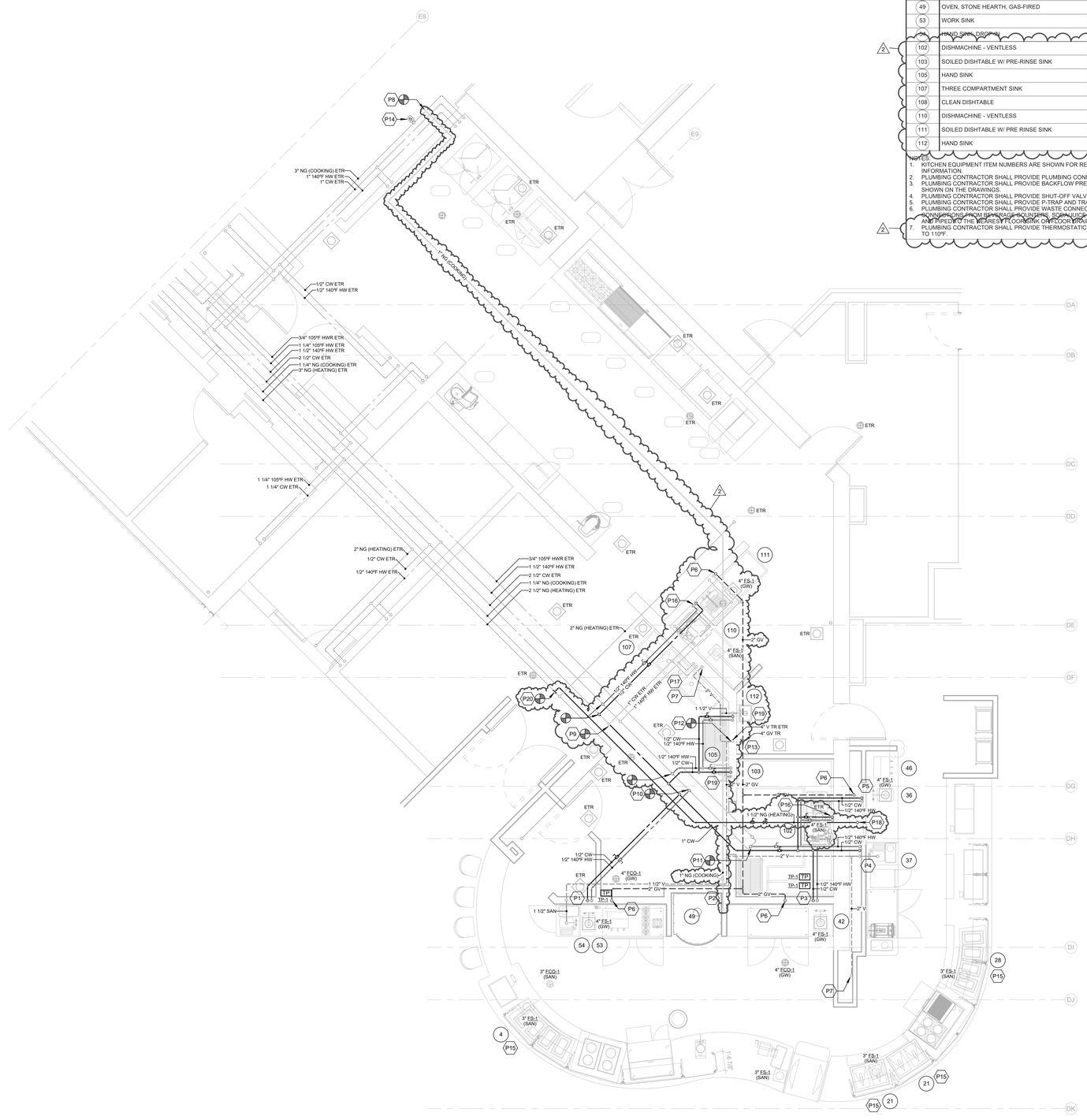


1 PLUMBING - ENLARGED KITCHEN PLAN
1/4" = 1'-0"

KITCHEN EQUIPMENT PLUMBING CONNECTIONS SCHEDULE

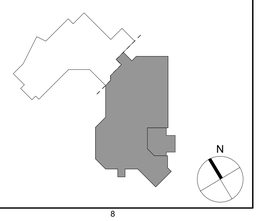
NO.	DESCRIPTION	HW	CW	DW	IW	MBH	GAS SIZE	COMMENT
4	DROP-IN HOT WELLS	-	-	-	1/2"	-	-	-
*13	ESPRESSO MACHINE	-	3/4"	-	3/4"	-	-	-
21	DROP-IN HOT/COLD WELLS	-	-	-	1"	-	-	-
28	DROP-IN HOT WELLS	-	-	-	1/2"	-	-	-
36	WORK SINK	1/2"	1/2"	-	1-1/2"	-	-	-
37	DROP-IN HAND SINK	1/2"	1/2"	1-1/2"	-	-	-	-
42	WORK SINK	1/2"	1/2"	-	2"	-	-	-
46	COFFEE MAKER	-	3/4"	-	-	-	-	-
49	OVEN, STONE HEARTH, GAS-FIRED	-	-	-	-	80.5	3/4"	-
53	WORK SINK	1/2"	1/2"	-	2"	-	-	-
54	HAND SINK, DROP-IN	1/2"	1/2"	1-1/2"	-	-	-	-
102	DISHMACHINE - VENTLESS	1/2"	1/2"	-	1-1/2"	-	-	-
103	SOILED DISHTABLE W/ PRE-RINSE SINK	1/2"	1/2"	-	1-1/2"	-	-	-
105	HAND SINK	1/2"	1/2"	1-1/2"	-	-	-	-
107	THREE COMPARTMENT SINK	1/2"	1/2"	-	(3) 2"	-	-	-
108	CLEAN DISHTABLE	-	-	-	-	-	-	-
110	DISHMACHINE - VENTLESS	1/2"	1/2"	-	1-1/2"	-	-	-
111	SOILED DISHTABLE W/ PRE RINSE SINK	1/2"	1/2"	-	1-1/2"	-	-	-
112	HAND SINK	1/2"	1/2"	1-1/2"	-	-	-	-

NOTES:
1. KITCHEN EQUIPMENT ITEM NUMBERS ARE SHOWN FOR REFERENCE. REFER TO FOOD SERVICE PLANS FOR EQUIPMENT LOCATIONS AND ADDITIONAL INFORMATION.
2. PLUMBING CONTRACTOR SHALL PROVIDE PLUMBING CONNECTIONS TO ALL FOOD SERVICE EQUIPMENT.
3. PLUMBING CONTRACTOR SHALL PROVIDE BACKFLOW PREVENTERS TO KITCHEN EQUIPMENT IN ACCORDANCE WITH LOCAL AND STATE CODES WHETHER OR NOT SHOWN ON THE DRAWINGS.
4. PLUMBING CONTRACTOR SHALL PROVIDE SHUT-OFF VALVE, DIRT LEG AND PRESSURE REGULATOR TO ALL GAS-FIRED KITCHEN EQUIPMENT.
5. PLUMBING CONTRACTOR SHALL PROVIDE P-TRAP AND TRAP PRIMER CONNECTIONS TO ALL FLOOR SINKS, FLOOR DRAINS AND FLOOR TROUGHS.
6. PLUMBING CONTRACTOR SHALL PROVIDE WASTE CONNECTIONS FOR ALL KITCHEN EQUIPMENT WHETHER OR NOT SHOWN ON THE DRAWINGS. INDIRECT WASTE SOURCES CAN FROM BEVERAGE COUNTERS, SOMMELIER SERVERS, ICE MAKERS, FOG HELLS, ETC. SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR AND PIPED TO THE NEAREST FLOOR SINK OR FLOOR DRAIN.
7. PLUMBING CONTRACTOR SHALL PROVIDE THERMOSTATIC MIXING VALVE, TV-1, ON DOMESTIC WATER SUPPLY TO ALL HANDWASH SINKS TO LIMIT TEMPERATURE TO 110°F.

PLUMBING KEY NOTES

- P1 PROVIDE 1/2" CW AND 1/2" HW DN IN WALL. SUPPLY TO ITEM #53 AND #54. PROVIDE 2" GW FROM ITEM #53. EXTEND AND DRAIN INDIRECTLY TO ES-1. PROVIDE 1-1/2" SAN DN TO BELOW SLAB, 1-1/2" V UP FOR ITEM #54. REFER TO DETAIL #2/P5.00 FOR INDIRECT WASTE PIPING DETAIL.
- P2 PROVIDE 3/4" NG SUPPLY TO ITEM #49. PROVIDE SHUT-OFF VALVE, DIRT LEG AND PRESSURE REGULATOR ON SUPPLY TO EQUIPMENT.
- P3 PROVIDE 1/2" CW AND 1/2" HW SUPPLY TO ITEM #42. PROVIDE 2" GW FROM ITEM #42, EXTEND AND DRAIN INDIRECTLY TO ES-1 REFER TO DETAIL #2/P5.00 FOR INDIRECT WASTE PIPING DETAIL.
- P4 PROVIDE 1/2" CW AND 1/2" HW SUPPLY TO ITEM #37. PROVIDE 1-1/2" SAN DN TO BELOW SLAB, 1-1/2" V UP.
- P5 PROVIDE 1/2" CW AND 1/2" HW SUPPLY TO ITEM #36. PROVIDE 2" GW FROM ITEM #36, EXTEND AND DRAIN INDIRECTLY TO ES-1 REFER TO DETAIL #2/P5.00 FOR INDIRECT WASTE PIPING DETAIL.
- P6 PROVIDE 2" GV FROM BELOW SLAB.
- P7 PROVIDE 2" V FROM BELOW SLAB.
- P8 PROVIDE 1" NG, CONNECT TO EXISTING 3" NG ON THE DISCHARGE SIDE OF THE EXISTING AUTOMATIC EMERGENCY SHUT-OFF VALVE.
- P9 PROVIDE 1-1/2" CW, CONNECT TO EXISTING 1-1/2" CW OR LARGER PIPE.
- P10 PROVIDE 1/2" HW, CONNECT TO EXISTING 1" HW.
- P11 PROVIDE 3/4" HW, CONNECT TO EXISTING 1" HW. EXISTING HWR PIPING AND BALANCE VALVE TO REMAIN.
- P12 PROVIDE 2" V, CONNECT TO EXISTING VENT PIPING ABOVE CEILING OF EQUAL, OR LARGER, SIZE.
- P13 PROVIDE 4" GV UP THROUGH ROOF ADJACENT TO EXISTING 4" VTR.
- P14 EXISTING NATURAL GAS AUTOMATIC EMERGENCY SHUT VALVE TO REMAIN.
- P15 PROVIDE DRAIN CONNECTION TO KITCHEN EQUIPMENT AND EXTEND TO DISCHARGE INDIRECTLY INTO ES-1. DRAIN LINE SIZE SHALL BE IN ACCORDANCE WITH SIZES INDICATED IN KITCHEN EQUIPMENT PLUMBING CONNECTIONS SCHEDULE AND FOOD SERVICE DRAWINGS.
- P16 PROVIDE 1/2" CW AND 1/2" HW SUPPLY TO DISHWASHER AND PRE-RINSE SINK. PROVIDE 1-1/2" SAN FROM DISHWASHER, DRAIN INDIRECTLY TO SANITARY FLOOR SINK. PROVIDE 1-1/2" GW FROM PRE-RINSE SINK, DRAIN INDIRECTLY TO GREASE WASTE FLOOR SINK.
- P17 CONNECT TO EXISTING DOMESTIC WATER PIPING ALONG WALL. PROVIDE 1/2" CW AND 1/2" HW POT WASH SINK. PROVIDE 2" GW FROM EACH BAY, INDEPENDENTLY DRAIN EACH BAY INDIRECTLY INTO EXISTING GREASE WASTE FLOOR SINK.
- P18 PROVIDE 1-1/2" NG SUPPLY TO FIREPLACE.
- P19 PROVIDE 1/2" CW AND 1/2" HW SUPPLY TO HAND WASH SINK. PROVIDE 1-1/2" SAN DN, 1-1/2" V UP.
- P20 PROVIDE 1-1/2" NG, CONNECT TO EXISTING 2-1/2" NG (HEATING) PIPE.

KEYPLAN



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18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING ENLARGED KITCHEN PLAN

SCALE:	DRAWN BY:
As indicated	JCC
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DRAWING NUMBER:
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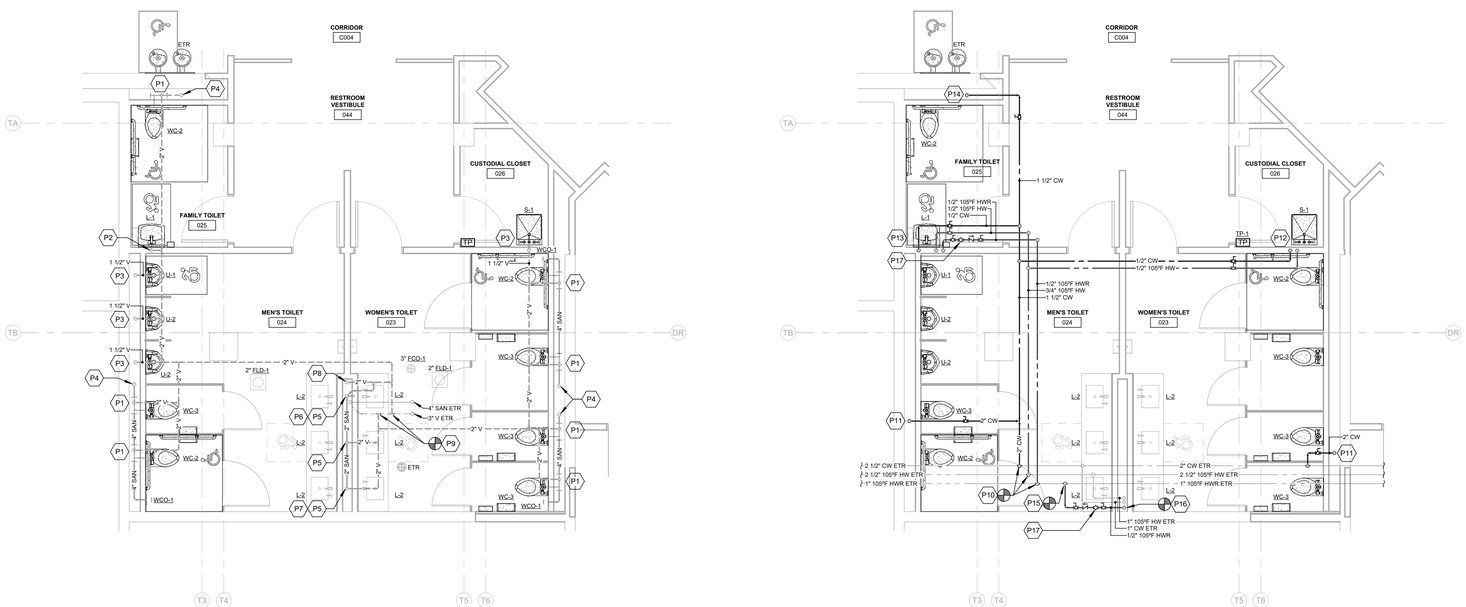
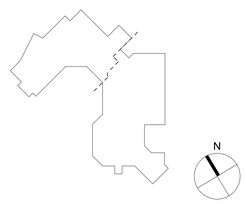


1 PLUMBING ENLARGED PLANS - GROUND FLOOR GROUP BATHROOMS
1/4" = 1'-0"

PLUMBING KEY NOTES

- P1 PROVIDE 2" V UP FROM WATER CLOSET. (TYP)
- P2 PROVIDE 1-1/2" SAN DN TO BELOW SLAB, 1-1/2" V UP.
- P3 PROVIDE 2" SAN DN TO BELOW SLAB, 1-1/2" V UP.
- P4 PROVIDE 4" SAN DN TO BELOW SLAB.
- P5 PROVIDE 1-1/2" SAN TO SERVE EACH LAV. COMBINE TWO BACK-TO-BACK LAVATORY WASTES IN WALL AND INCREASE TO 2" SAN. PROVIDE 2" COMMON VENT UP AT INTERSECTION.
- P6 ROUTE 2" SAN HORIZONTALLY ABOVE SLAB IN WET WALL TO CONNECT WASTE FROM EACH LAV BEFORE DROPPING BELOW SLAB.
- P7 2" SAN DN TO BELOW SLAB.
- P8 PROVIDE 2" V FROM BELOW SLAB.
- P9 PROVIDE 2" V, CONNECT TO EXISTING 3" V ABOVE CEILING.
- P10 PROVIDE 2" CW, 3/4" HW, 1/2" HWR PIPING TO CONNECT TO EXISTING DOMESTIC WATER PIPING.
- P11 PROVIDE 2" CW DN IN WET WALL. RUN FULL SIZE HEADER TO SUPPLY ALL FIXTURES ALONG WET WALL. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR CONNECTION SIZES TO EACH FIXTURE. PROVIDE WHA-1.
- 2 P12 PROVIDE 1/2" CW, 1/2" HW SUPPLY TO S-1.
- P13 PROVIDE 1/2" CW, 1/2" HW, 1/2" HWR DN TO SUPPLY L-1. REFER TO DETAIL #1/P5.00 FOR HWR PIPING.
- P14 PROVIDE 1-1/2" CW SUPPLY TO WATER CLOSET. PROVIDE WHA-1.
- P15 PROVIDE 1/2" HWR TO CONNECT TO EXISTING.
- P16 EXISTING 1" CW, 1" HW DROP IN WET WALL. PROVIDE NEW 3/4" CW, 3/4" HW TO CONNECT TO EXISTING PIPING IN WALL AND SUPPLY TO THE SIX LAVS ALONG THE WALL. REFER TO DETAIL # 5/P5.00.
- P17 PROVIDE 1/2" HWR BALANCE VALVE, SET TO 0.5 GPM.

KEYPLAN



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PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING ENLARGED PLANS

SCALE: **As indicated**
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DATE: **9/23/2022**
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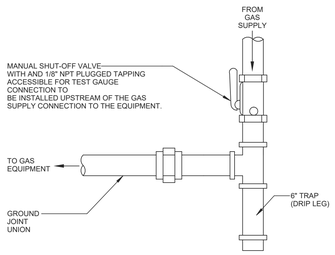
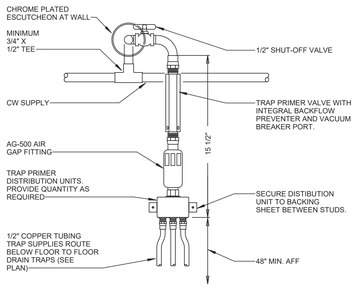
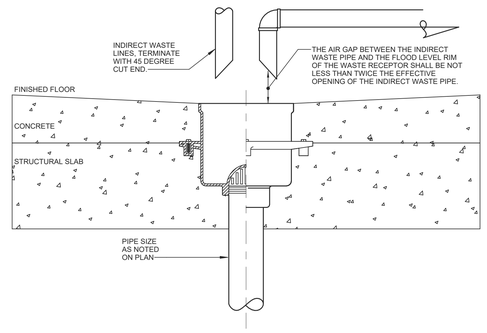


4 TYPICAL GAS CONNECTION TO EQUIPMENT DETAIL
NTS

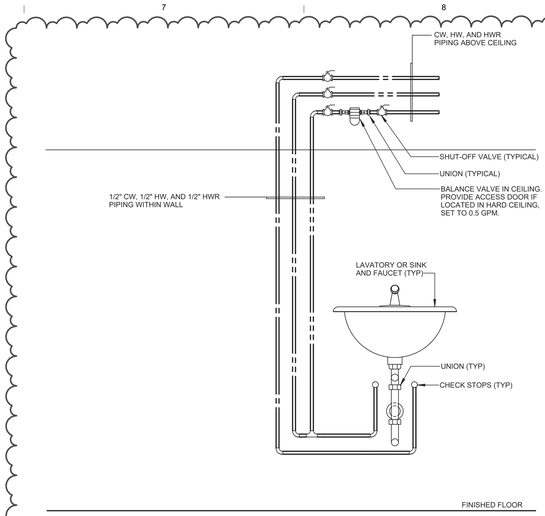


NOTE:
1. TRAP PRIMER SHALL BE LOCATED ABOVE AN ACCESSIBLE CEILING OR OTHER ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL WHERE REQUIRED.
2. PROVIDE TRAP PRIMERS AT ALL FLOOR DRAINS, FLOOR SINKS, SHOWER DRAINS, AND INDIRECT DRAIN LOCATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATER PIPE ROUTING FROM DISTRIBUTION UNIT TO ALL DRAINS NOTED ABOVE.
4. PROVIDE PRECISION PLUMBING "PRIME-RITE" MODEL# PR-500 TRAP PRIMER WITH DISTRIBUTION UNITS MODEL #DU-U AS REQUIRED FOR THE NUMBER OF FLOOR DRAINS SHOWN ON THE DRAWINGS. PROVIDE ADDITIONAL TRAP PRIMERS FOR AREAS WITH MORE THEN 3 FLOOR DRAINS.

3 TRAP PRIMER DETAIL
NTS

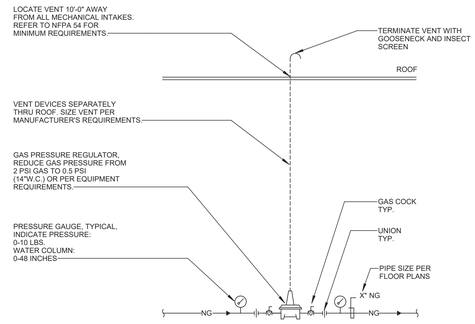


2 TYPICAL INDIRECT WASTE PIPING TO FLOOR DRAIN/FLOOR SINK DETAIL
NTS

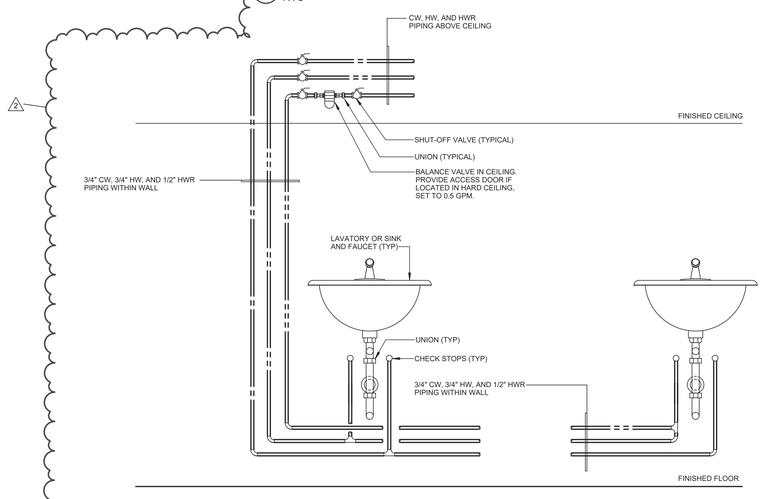


NOTES:
1. PROVIDE BALANCE VALVE ABOVE CEILING. PROVIDE WITH A LOCKABLE ACCESS DOOR IF LOCATED IN A HARD CEILING.
2. REFER TO FLOOR PLANS FOR PIPE SIZES AND TYPE/QUANTITY OF FIXTURES.
3. THIS DETAIL IS INTENDED TO SHOW THE GENERAL INTENT OF THE HOT WATER CIRCULATION PIPING TO A FIXTURE. NOT ALL FIXTURE REQUIREMENTS, FITTINGS AND DEVICES ARE SHOWN.

1 TYPICAL SINGLE LAVATORY AND SINK PIPING DETAIL
NTS

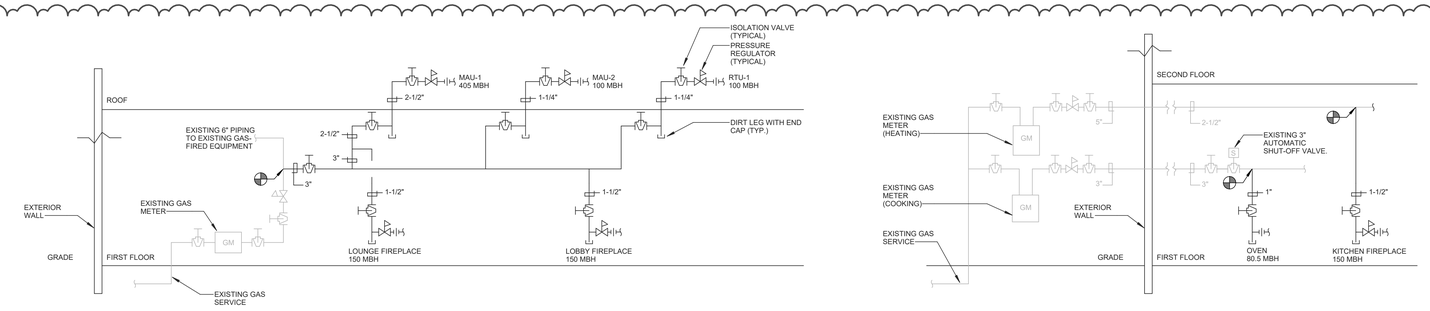


6 TYPICAL GAS PRESSURE REGULATOR VALVE DETAIL
NTS



NOTES:
1. PROVIDE BALANCE VALVE ABOVE CEILING. PROVIDE WITH A LOCKABLE ACCESS DOOR IF LOCATED IN A HARD CEILING.
2. REFER TO FLOOR PLANS FOR PIPE SIZES AND TYPE/QUANTITY OF FIXTURES.
3. THIS DETAIL IS INTENDED TO SHOW THE GENERAL INTENT OF THE HOT WATER CIRCULATION PIPING TO A FIXTURE. NOT ALL FIXTURE REQUIREMENTS, FITTINGS AND DEVICES ARE SHOWN.

5 TYPICAL GROUP LAVATORY AND SINK PIPING DETAIL
NTS



NOTES:
1. CONTRACTOR TO COORDINATE WITH LOCAL GAS COMPANY AND VERIFY THAT EXISTING GAS METER CAPACITIES ARE SUFFICIENT FOR THE ADDITIONAL GAS-FIRED EQUIPMENT.
2. CONFIRM WITH LOCAL UTILITY COMPANY ALL INSTALLATION REQUIREMENTS (I.E. VALES, UNIONS, REGULATORS, ETC) PRIOR TO BID, INSTALLATION AND FABRICATION.
3. WHERE THE GAS SUPPLY PRESSURE IS HIGHER THAN THE MAXIMUM ALLOWED INLET PRESSURE OF THE EQUIPMENT, THE CONTRACTOR SHALL PROVIDE A GAS APPLIANCE PRESSURE REGULATOR SET TO THE INLET PRESSURE OF THE EQUIPMENT BEING SERVED.
4. CONTRACTOR SHALL PROVIDE INDIVIDUAL VENT LINES FROM ALL REGULATORS, PIPED TO THE EXTERIOR UP THROUGH THE ROOF.

7 NATURAL GAS RISERS
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PLUMBING SPECIALTIES SCHEDULE

SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	COMPONENTS AND ACCESSORIES	MOUNTING HEIGHT	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	COMPONENTS AND ACCESSORIES	MOUNTING HEIGHT	REMARKS
CO-1	JR. SMITH MODEL # 4532S-U	CLEANOUT: CAST IRON TEE WITH TAPER THREAD-BRONZE PLUG.	COVER AND SCREW, VANDAL PROOF SCREWS	-	#6,10	RD-1	JR SMITH MODEL # 1010Y	ROOF DRAIN: CAST IRON BODY AND CAST IRON DOME, FLASHING CLAMP AND GRAVEL STOP. VANDAL PROOF	UNDER DECK CLAMP. VANDAL PROOF DOME. SUMP RECEIVER. EXTENSION SLEEVE FOR ROOF INSULATION	-	-
FCO-1	JR. SMITH MODEL # 4023S-PB-U	FLOOR CLEANOUT: CAST IRON BODY, ROUND ADJUSTABLE SCORIATED NICKEL BRONZE TOP, FLANGE GASKET INSIDE, CAULK OUTSIDE. VANDAL PROOF & BRONZE PLUG.	FLASHING CLAMP FOR CARPETED FLOORS	-	#6,11	RPBP-1	WATTS 3/4" TO 2": MODEL # LF909-QT-S 2-1/2" TO 6": MODEL # LF909-OSY	REDUCED PRESSURE BACKFLOW PREVENTER: CAST IRON BODY WITH CORROSION RESISTANT INTERNAL PARTS AND SST SPRINGS. LEAD FREE	SHUTOFF VALVES: UP TO 2" - BRONZE BODY BALL VALVES OVER 2" - OS&Y GATE VALVE.	MAXIMUM OF 5' 0" ABOVE FINISHED FLOOR.	#5,6
FLD-1	JR. SMITH MODEL # 2010C-U-P050	FLOOR DRAIN: CAST IRON BODY, ROUND ADJUSTABLE NICKEL BRONZE STRAINER, FLASHING COLLAR, TRAP PRIMER CONNECTION, AND SEDIMENT BUCKET.	FURNISH WITH VANDAL PROOF GRATE, TRAP PRIMER CONNECTION	-	#6,9,13	TP-1	PRECISION PLUMBING "PRIME-RITE" MODEL # PR-500	TRAP PRIMER: INTERNAL VACUUM BREAKER AND BACKFLOW PREVENTER UNIT, 1/2" INLET AND OUTLET.	FURNISH MODEL REQUIRED FOR THE NUMBER OF FLOOR DRAINS SHOWN ON THE DRAWINGS.	-	#2,4
FLD-2	JR. SMITH MODEL # 2243C-U-P050	FLOOR DRAIN: CAST IRON BODY, ROUND ADJUSTABLE HEAVY DUTY CAST IRON GRATE, FLASHING COLLAR, TRAP PRIMER CONNECTION, SEDIMENT BUCKET WITH LIFT BAR.	FURNISH WITH VANDAL PROOF GRATE, TRAP PRIMER CONNECTION. IN ADDITIONAL TO TRAP PRIMER CONNECTION, PROVIDE MODEL # 2692 QUAD CLOSE TRAP SEAL.	-	#6,9,13	TV-1	SYMMONS "MAXLINE" MODEL # 7-225-B	THERMOSTATIC MIXING VALVE: 1/2" SUPPLY CONNECTIONS, INTEGRAL CHECKS AND SST STRAINERS.	WALL CABINET WITH MOUNTING BRACKET.	-	#2,4
FS-1	JR. SMITH MODEL # 3100C-C-U-13	FLOOR SINK: 6" DEEP RECEPTOR, NICKEL-BRONZE RIM, CAST IRON DOME STRAINER, AND FLASHING CLAMP.	8 1/2" SQUARE NICKEL BRONZE TOP WITH 3/4" VANDAL PROOF GRATE. PROVIDE TRAP PRIMER CONNECTION.	-	#6,9	WCO-1	JR SMITH MODEL # 4402C-U	WALL CLEANOUT: DUCO CAST IRON, SPIGOT FERRULE CAST BRONZE THREAD PLUG, STAINLESS STEEL ROUND COVER AND SCREW.	VANDAL PROOF SCREWS.	-	#6,12
HB-1	WOODFORD MODEL # B26	HOSE BIB: BACKFLOW PROTECTED WALL FAUCET, CHROME BODY, ALUMINUM RECESSED MOUNTING BOX.	1/2" FPT CONNECTION	18" ABOVE FLOOR	#3,4	WHA-1	PRECISION PLUMBING MODEL # SC-500 THROUGH # SC-2000	WATER HAMMER ARRESTOR: BARREL FABRICATED OF TYPE "L" HARD DRAWN COPPER, WITH EPDM "O" RING SEALS. NORMAL OPERATING PRESSURE 0-80 PSIG.	MACHINED COMPOSITE MATERIAL PISTON AND LOW LEAD BRASS THREADED ADAPTER	-	#8

REMARKS:

1. FIXTURES AND TRIM AS NOTED SHALL BE"ADA APPROVED" AND SHALL BE MOUNTED TO ADA AND ANSI A117 REQUIREMENTS.
2. THE TRAP PRIMER SHALL BE INSTALLED A MINIMUM OF 1 FOOT ABOVE FINISHED FLOOR FOR EVERY 20 FEET OF PRIMER LINE.
3. PROVIDE EACH HYDRANT WITH A LOOSE KEY. CONTRACTOR SHALL VERIFY WALL THICKNESS.
4. PROVIDE ISOLATION VALVES AT THE SUPPLY PIPE CONNECTIONS.
5. PROVIDE AN AIR GAP FITTING ON THE DRAIN LINE, MOUNT AT A SUFFICIENT HEIGHT TO ALLOW PROPER DRAINAGE.
6. REFER TO FLOOR PLANS FOR SIZES.
7. MAINTAIN MINIMUM OF 9 1/4 INCHES CLEAR ABOVE INTERCEPTOR FOR STRAINER REMOVAL.
8. INSTALL SIZED PER LOAD (WSFU) RECOMMENDED BY PDI & MANUFACTURER.
9. FURNISH WITH TRAP PRIMER CONNECTION AND TRAP PRIMER TP-1
10. PROVIDE CLEAN OUT AT ALL HORIZONTAL TURNS GREATER THAN 45 DEGREES FOR ALL STORM AND SANITARY PIPING.
11. PROVIDE FLOOR CLEAN OUT FOR ALL BURIED STORM AND SANITARY PIPING, NOT MORE THAN 100 APART.
12. PROVIDE WALL CLEANOUT AT BASE OF ALL SANITARY AND STORM STACKS. FURNISH WITH ACCESS DOOR OR COVER.
13. DRAIN GRATES SHALL BE 1/2' MAXIMUM SPACING.
14. *NUMBER NOT USED*
15. MOUNT ON WALL BEHIND WT-1.
16. PROVIDE BUILDING MANAGEMENT SYSTEM (BMS) CONNECTION.

2

PLUMBING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS	SYMBOL	MANUFACTURER/ MODEL NUMBER	DESCRIPTION OF FIXTURE	TRIM AND ACCESSORIES	REMARKS
EWC-1	ELKAY MODEL # EZO8S	ELECTRIC WATER COOLER: ACCESSIBLE, SINGLE STATION, HANDS-FREE SENSOR ACTIVATION. WALL MOUNT, 8.0 GPH CHILLER CAPACITY , STAINLESS STEEL FINISH. VANDAL RESISTANT.	FURNISH WITH WALL CARRIER AND CANE APRON.	#3,4	U-1	AMERICAN STANDARD "WASHBROOK" MODEL # 6590.001	URINAL: ACCESSIBLE, WALL HUNG, VITREOUS CHINA, 3/4" TOP SPUD, 0.125 GPF.	SLOAN MODEL **#8186-1.125-OR** SENSOR FLUSH VALVE, BATTERY POWERED, VACUUM BREAKER, POLISHED CHROME. ZURN MODEL **#Z1222** WALL CARRIER.	#1,3,4,5
EWC-2	ELKAY MODEL # EZSTL8WSVRSK	ELECTRIC WATER COOLER: ACCESSIBLE, TWO STATION, VANDAL RESISTAN PUSH BUTTON BUBBLER. HANDS FREE BOTTLE FILLER WITH VISUAL INDICATOR, WALL MOUNT, SST FINISH. 8.0 GPH CHILLER	FURNISH WITH WALL CARRIER AND CANE APRON.	#3,4	U-2	AMERICAN STANDARD "WASHBROOK" MODEL # 6590.001	URINAL: STANDARD, WALL HUNG, VITREOUS CHINA, 3/4" TOP SPUD, 0.125 GPF.	SLOAN MODEL **#8186-1.125-OR** SENSOR FLUSH VALVE, BATTERY POWERED, VACUUM BREAKER, POLISHED CHROME. ZURN MODEL **#Z1222** WALL CARRIER.	#1,4,5
L-1	AMERICAN STANDARD "LUCERNE" MODEL # 0356.421	LAVATORY: ACCESSIBLE WALL HUNG, VITREOUS CHINA, SINGLE FAUCET HOLE. FRONT OVERFLOW.	SLOAN MODEL **#EAF-275-SOL-ISM-CP-0.5GPM-AER-IR-IQ-10S-FCT** FAUCET, 0.5 GPM, SOLAR POWERED W/ BATTERY BACKUP, SIDE TEMPERATURE MIXER. GRID STRAINER DRAIN ASSEMBLY, CONCEALED WALL SUPPORT.	#1,2,3,4	WC-1	AMERICAN STANDARD "MADERA" MODEL # 3461.001	WATER CLOSET: ACCESSIBLE, FLOOR MOUNT, VITREOUS CHINA, 1.28 GPF, 12" ROUGH-IN, ELONGATED BOWL.	SLOAN MODEL **#8111-1.28-OR** SENSOR FLUSH VALVE, BATTERY POWERED, VACUUM BREAKER, POLISHED CHROME. OLSONITE MODEL **#95SS** ELONGATED TOILET SEAT.	#1,3,4,5
L-2	AMERICAN STANDARD "OVALYN" MODEL # 9482.000	LAVATORY: ACCESSIBLE UNDERMOUNT, VITREOUS CHINA, OVAL BOWL, REAR OVERFLOW. SINGLE FAUCET HOLE IN COUNTER.	SLOAN MODEL **#EAF-275-SOL-ISM-CP-0.5GPM-AER-IR-IQ-10S-FCT** FAUCET, 0.5 GPM, SOLAR POWERED W/ BATTERY BACKUP, SIDE TEMPERATURE MIXER. SLOAN MODEL **#ESD-200-PLG-CP** SENSOR ACTIVATED SOAP DISPENSER, PLUG-IN, GRID STRAINER DRAIN ASSEMBLY.	#1,2,3,4	WC-2	AMERICAN STANDARD "AFWALL" MODEL # 3351.101	WATER CLOSET: ACCESSIBLE, WALL HUNG, VITREOUS CHINA, 1-1/2" TOP SPUD, 1.28 GPF, ELONGATED BOWL.	SLOAN MODEL **#8111-1.28-OR** SENSOR FLUSH VALVE, BATTERY POWERED, VACUUM BREAKER, POLISHED CHROME. PROVIDE MODEL **#5901.100** TOILET SEAT, ZURN MODEL **#Z1201-N4** CARRIER.	#1,3,4,5
S-1	FIAT MODEL # FL-7	LAUNDRY TUB SINK: FLOOR STANDING, MOLDED STONE, BAKED ENAMEL STEEL LEGS, SINGLE INTEGRAL DRAIN. (2) FAUCET HOLES 4" ON CENTER. 24" X 20" X 13 3/8".	PROVIDE CHICAGO FAUCETS MODEL **#W4D-GN2AE35-317AB** GOOSENECK FAUCET, 1.5 GPM AERATOR, 4" WRISTBLADE HANDLES, POLISHED CHROME FINISH, PROVIDE GRID DRAIN STRAINER.	#4	WC-3	AMERICAN STANDARD "AFWALL" MODEL # 3351.101	WATER CLOSET: STANDARD, WALL HUNG, VITREOUS CHINA, 1-1/2" TOP SPUD, 1.28 GPF, ELONGATED BOWL.	SLOAN MODEL **#8111-1.28-OR** SENSOR FLUSH VALVE, BATTERY POWERED, VACUUM BREAKER, POLISHED CHROME. PROVIDE MODEL **#5901.100** TOILET SEAT, ZURN MODEL **#Z1201-N4** CARRIER.	#1,4,5
S-2	KOHLER MODEL # K-3325	SINK: STANDARD, 18 GAUGE STAINLESS STEEL, REAR CENTER DRAIN, 23" X 17-1/2" X 9-1/2".	PROVIDE CHICAGO FAUCETS MODEL **#434-ABCP** GOOSENECK FAUCET, 1.5 GPM AERATOR, SINGLE HANDLE, PULL DOWN SPRAY,POLISHED CHROME FINISH, PROVIDE GRID DRAIN STRAINER.	#4					

REMARKS:

1. COLOR SHALL BE WHITE.
2. INSTALL TRUEBRO INC. MODEL #102, HANDI LAV-GUARD PROTECTOR ON THE HOT, COLD, AND DRAIN PIPING UNDER FIXTURE.
3. FIXTURES AND TRIM AS NOTED SHALL BE "ACCESSIBLE" AND SHALL BE INSTALLED TO ADA / ANSI A117 AND FEDERAL 504 REQUIREMENTS.
4. PROVIDE ISOLATION VALVES AT THE SUPPLY PIPE CONNECTIONS.
5. PROVIDE WATER HAMMER ARRESTORS AT THE PIPE CONNECTIONS, LOCATE IN AN ACCESSIBLE LOCATION.
6. PROVIDE SINK WITH REAR OFFSET DRAIN TO LEFT OR RIGHT SIDE FOR ADA COMPLIANCY, ANSI A117 AND FEDERAL 504 REQUIREMENTS SEE ARCHITECTURAL DRAWINGS FOR DRAIN LOCATIONS.
7. COLOR AS SELECTED BY ARCHITECT. PROVIDE SAMPLES.
8. PROVIDE WITH CHICAGO MODEL #897-CCP SERVICE FAUCET WITH VACUUM BREAKER AND INTEGRAL CHECK VALVES, FIAT MODEL #1453BB STAINLESS STEEL STRAINER, MODEL #1239BB ALUMINUM BUMPER GUARD PLATE, MODEL #MSG-3636 WALL GUARD, MODEL #889-CC MOP HANGER, FOR CAULKED LEAD CONNECTION NO LESS THAN 1" DEEP FROM DRAIN TO A 3" WASTE PIPE.
9. FIXTURE U-1 SHALL BE ACCESSIBLE WHERE DESIGNATED BY ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
10. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHT.
11. PROVIDE SYMMONS MODEL #7-225 SERIES THERMOSTATIC MIXING VALVE, OR APPROVED EQUAL, ON WATER SUPPLY TO FIXTURE. SET TEMPERATURE TO 110°F.

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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
PLUMBING SCHEDULES AND DIAGRAMS

SCALE:	DRAWN BY:
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ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AH	AIR HANDLER
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
AWT	AVERAGE WATER TEMPERATURE
B	BOILER
BF	BYPASS FEEDER
BHP	BREAK HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BTU	BRITISH THERMAL UNIT
BTUH	BTU / HOUR
CAP	CAPACITY
COP	COEFFICIENT OF PERFORMANCE
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CNV	CONVECTOR
CRD	CEILING RADIATION DAMPER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DAH	DUCTLESS AIR HANDLER
dB	DECIBELS
DHP	DUCTLESS HEAT PUMP
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE (DRY BULB)
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
°F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FT	FEET OR FIN TUBE
FT WG	FEET WATER GAUGE
FLA	FULL LOAD AMPS
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FPM	FEET PER MINUTE
FSD	COMBINATION FIRE SMOKE DAMPER
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GRD	GRILLE, REGISTER, DIFFUSER
HP	HORSEPOWER
HSPF	HEATING SEASON PERFORMANCE FACTOR
HWC	HOT WATER COIL
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IN	INCHES
IN WG	INCHES WATER GAUGE
IPLV	INTEGRATED PART LOAD VALUE
KW	KILOWATTS
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSANDS OF BTU / HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
NTS	NOT TO SCALE
OP	OIL PUMP
P	PUMP
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SG	SIGHT GLASS
SP	STATIC PRESSURE
SPD	STATIC PRESSURE DROP
SST	SATURATED SUCTION PRESSURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UH	UNIT HEATER
UOI	UNLESS OTHERWISE INDICATED
VFD	VARIABLE FREQUENCY DRIVE
WPD	WATER PRESSURE DROP

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	DUCTWORK
	ACOUSTICALLY LINED DUCTWORK
	SUPPLY DUCTWORK TOWARDS (UP IN PLAN)
	SUPPLY DUCTWORK AWAY (DOWN IN PLAN)
	RETURN DUCTWORK TOWARDS (UP IN PLAN)
	RETURN DUCTWORK AWAY (DOWN IN PLAN)
	EXHAUST DUCTWORK TOWARDS (UP IN PLAN)
	EXHAUST DUCTWORK AWAY (DOWN IN PLAN)
	FLEXIBLE DUCT
	VOLUME DAMPER
FD	FIRE DAMPER
BD	BACKDRAFT DAMPER
MD	MOTORIZED DAMPER
SD	SMOKE DAMPER
FSD	COMBINATION FIRE AND SMOKE DAMPER
	AIR ENTERING OPENING
	AIR LEAVING OPENING
	CEILING DIFFUSER (BLOW INDICATED)
	RETURN GRILLE OR REGISTER
	EXHAUST GRILLE OR REGISTER
T	THERMOSTAT
S OR S D	DUCT SMOKE DETECTOR
	PIPE ELBOW TOWARDS (UP IN PLAN)
	PIPE ELBOW AWAY (DOWN IN PLAN)
	PIPE TEE TOWARDS (UP IN PLAN)
	PIPE TEE AWAY (DOWN IN PLAN)
	PIPE DROP & RUN
HWR	HEATING WATER RETURN PIPING
HWS	HEATING WATER SUPPLY PIPING
	FLOW DIRECTION
	PIPE ANCHOR
	PIPE GUIDE
	FLEXIBLE CONNECTION
OR	BALL VALVE
X	TRANSFER DUCT SYMBOL
	TRANSFER GRILLE ASSEMBLY SYMBOL
X-##	EQUIPMENT SYMBOL
# # #	GRILLE/REGISTER/DIFFUSER SYMBOL
#	KEYNOTE
VAV-A 1000/2000	VAV TERMINAL UNIT SYMBOL
	CONNECTION TO EXISTING

DEMOLITION NOTES

DEMOLITION NOTES

1. SITE VISIT: THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. BEFORE SUBMITTING BID, VISIT AND 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 EXPERIENCED OBSERVER.
2. PREPARATORY WORK: BEFORE STARTING WORK IN A PARTICULAR AREA OF THE PROJECT, VISIT SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED INCLUDING PREPARATORY WORK DONE UNDER OTHER SECTIONS OR CONTRACTS BY OWNER. REPORT CONDITIONS THAT MIGHT AFFECT WORK ADVERSELY IN WRITING TO ARCHITECT AND OWNER. DO NOT PROCEED WITH WORK UNTIL DEFECTS HAVE BEEN CORRECTED AND CONDITIONS ARE SATISFACTORY. COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS AND PREPARATORY WORK.
3. PHASING: DEMOLITION WORK SHALL COMPLY WITH THE PHASING REQUIREMENTS OF THE PROJECT AND BE COORDINATED WITH THE OWNER, ARCHITECT, CM AND ENGINEER. NO REMOVALS SHALL BE IMPLEMENTED WITHOUT A THOROUGH UNDERSTANDING OF THE PHASING REQUIREMENTS.
4. ABANDONING OF DUCTWORK, PIPING OR EQUIPMENT IN PLACE WITHIN SCOPE AREA IS PROHIBITED.
5. PROVIDE 2 WEEKS NOTICE TO OWNER FOR SHUT DOWN OF ANY SERVICES AND/OR SYSTEMS.
6. COORDINATE EXISTING EQUIPMENT AND MATERIALS THAT SHALL REMAIN THE PROPERTY OF THE OWNER. ITEMS OF VALUE WHICH ARE NOT DIRECTED TO BE RETURNED TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF. STORAGE OR SALE OF ITEMS ON THE PROJECT SITE IS PROHIBITED.
7. PROTECTION: ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND THE BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT WINDBLOWN DUST.
8. UTILITIES: MAINTAIN ALL UTILITIES EXCEPT THOSE REQUIRING REMOVAL OR RELOCATION. KEEP UTILITIES IN SERVICE AND PROTECT FROM DAMAGE. DO NOT INTERRUPT UTILITIES SERVING OCCUPIED AREAS WITHOUT FIRST OBTAINING PERMISSION FROM THE OWNER IN WRITING. PROVIDE TEMPORARY SERVICES AS REQUIRED.
9. INFORMATION CONTAINED ON THESE DRAWINGS WAS OBTAINED FROM ARCHIVED DRAWINGS AND SITE VISITS. DRAWINGS ARE DIAGRAMMATIC ONLY AND REFLECT OVERALL SYSTEM REMOVAL. NOT EVERY ITEM OR COMPONENT OF A SYSTEM IS SHOWN. PROVIDE COMPLETE REMOVAL OF ASSOCIATED ANCILLARY PIPES, HANGERS, VALVES AND ACCESSORIES SERVING SYSTEM SHOWN.
10. DEMOLITION WORK SHALL COMPLY WITH OSHA, EPA AND APPLICABLE STATE AND LOCAL CODES. COMPLY WITH HAULING AND DISPOSAL REGULATIONS.
11. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS AND PROCEDURES.

PRE-DEMO TESTING, ADJUSTING AND BALANCING (TAB)

1. CONFIRM SUPPLY, RETURN AND EXHAUST SYSTEM AIRFLOW CAPACITY THROUGH PRE-CONSTRUCTION TESTING AND BALANCING OF SYSTEMS AFFECTED BY THE WORK. REPORTS SHALL INCLUDE COMPLETE FAN INFORMATION, CFM, ESP, TSP, RPM, VOLTS, AMPS AND VFD SPEEDS.
2. CONFIRM HYDRONIC SYSTEM CAPACITY THROUGH PRE-CONSTRUCTION TESTING AND BALANCING REPORTS OF SYSTEMS AFFECTED BY THE WORK. REPORTS SHALL INCLUDE PIPE SIZE, FLOW RATE, SUPPLY PRESSURE AND RETURN PRESSURE.
3. CONFIRM STEAM PIPING CAPACITY THROUGH PRE-CONSTRUCTION TESTING AND BALANCING REPORTS OF SYSTEMS AFFECTED BT THE WORK. REPORTS SHALL INCLUDE PIPE SIZE AND STEAM PRESSURE (PSIG).

HVAC DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	REMOVE EXISTING DUCTWORK/EQUIPMENT
	REMOVE EXISTING PIPING/EQUIPMENT
ETR	EXISTING TO REMAIN
RE	REMOVE EXISTING
RL	RELOCATE EXISTING
NL	NEW LOCATION

GENERAL NOTES

GENERAL

1. GENERAL NOTES, SYMBOLS AND DETAILS ARE APPLICABLE TO ALL DRAWINGS WITHIN DIVISION 23.
2. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE CAPACITY, SIZE, APPROXIMATE LOCATION AND GENERAL ARRANGEMENT. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
3. COORDINATE ROOF AND WALL PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS. COORDINATE SLAB PENETRATIONS WITH WORK OF OTHER SECTIONS.
4. RUN DUCTS AND PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE OR AS APPROVED BY THE ARCHITECT.
5. INSTALL SENSORS (TEMPERATURE, HUMIDITY, CO2, THERMOSTATS) AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY ARCHITECT. MOUNTING HEIGHT AFF SHALL COMPLY WITH ADA AND SHALL BE MOUNTED LEVEL WITH ADJACENT SWITCHES (IE LIGHT SWITCHES).
6. COORDINATE WORK OF THIS SECTION WITH THAT OF OTHER SECTIONS AND WITH ALL TRADES INVOLVED. PROVIDE OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS.
7. NOT ALL ACCESS DOORS HAVE BEEN SHOWN ON THE PLANS FOR CLARITY. PROVIDE ACCESS PANELS THROUGH BUILDING ASSEMBLIES TO SERVICE AND MAINTAIN EQUIPMENT UNLESS SUCH EQUIPMENT IS INSTALLED IN EXPOSED LOCATIONS OR ABOVE LAY-IN CEILINGS. COORDINATE THE LOCATION OF ACCESS DOORS AND PANELS AND VERIFY THE EXACT QUANTITY, SIZE, AND LOCATIONS AFTER THE SYSTEMS AND EQUIPMENT REQUIRING ACCESS HAVE BEEN INSTALLED AND PRIOR TO THE CLOSURE OF THE AFFECTED CEILINGS AND BUILDING ASSEMBLIES. OBTAIN APPROVAL FOR ALL PANEL LOCATIONS FROM ARCHITECT.
8. AT SUBSTANTIAL COMPLETION, THE FOLLOWING ITEMS, NEW OR EXISTING, SHALL BE FULLY AND REASONABLY ACCESSIBLE: HVAC CONTROL BOXES, JUNCTION BOXES, VALVES, DDC CONTROL BOXES, ELECTRICAL PANELS, FILTERS, BELTS, WATER COILS, DISCONNECT SWITCHES AND ELEMENTS OF EQUIPMENT REQUIRING MAINTENANCE. "FULLY AND REASONABLY ACCESSIBLE" SHALL BE DEFINED AS NATIONAL ELECTRIC CODE REQUIRED CLEARANCE FOR POWERED EQUIPMENT AND CAPABLE OF BEING ACCESSED OR SERVICED WITHOUT REMOVING, MODIFYING OR DISTORTING OTHER COMPONENTS OF THE WORK. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCE FOR ALL EQUIPMENT.
9. SUPPORT EQUIPMENT, PIPING AND DUCTWORK FROM BUILDING STRUCTURE OR WITH STEEL SUPPORTS AND PLATFORMS AS REQUIRED. PROVIDE VIBRATION ISOLATION FOR ROTATING EQUIPMENT, DUCTWORK AND PIPING IN ACCORDANCE WITH THE SPECIFICATIONS.
10. ROOF CURB AND RAIL HEIGHTS INDICATED ARE THE DIMENSIONS BETWEEN THE ROOF SURFACE AND THE TOPS OF THE CURBS AND RAILS. WHERE THE ROOF IS PITCHED, CONSTRUCT CURBS AND RAILS SUCH THAT THE BOTTOM PITCHES WITH THE ROOF AND THE TOP IS LEVEL.
11. CONTROL WIRING METHODS SHALL COMPLY WITH NEC, AND DIVISION 26 SPECIFICATIONS.
12. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S DRAWINGS. VERIFY AND PROVIDE FITTINGS TO TRANSITION TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
13. PERFORM PRESSURE AND LEAKAGE TESTS BEFORE INSULATING DUCTWORK AND PIPING
14. COORDINATE AND PROVIDE HOUSEKEEPING PADS FOR FLOOR-MOUNTED MECHANICAL EQUIPMENT. HOUSEKEEPING PADS SHALL BE REINFORCED CONCRETE WITH 1" CHAMFERED EDGES, 6" THICK, WITH MINIMUM CLEARANCE OF 6" FROM EQUIPMENT BASE TO EDGE OF PAD. INCREASE DEPTH WHERE REQUIRED FOR PROPER INSTALLATION OF EQUIPMENT, INCLUDING BUT NOT LIMITED TO CONDENSING BOILERS (TO ALLOW PROPER INSTALLATION OF NEUTRALIZATION EQUIPMENT AND GRAVITY DISCHARGE TO FLOOR DRAIN OR CONDENSATE PUMP) AND AHU (TO ALLOW INSTALLATION OF CONDENSATE TRAP).

AIR SYSTEM SPECIFIC NOTES:

1. REFER TO SPECIFICATIONS FOR DUCTWORK CONSTRUCTION CLASSES, SEAL, AND LEAKAGE CLASSES.
2. EXTERIOR LOUVERS ARE INDICATED FOR LOCATION ONLY. DETAILED DESCRIPTIONS ARE PROVIDED IN ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
3. SMOKE DETECTORS SHALL BE FURNISHED AND WIRED TO THE FIRE ALARM SYSTEM. MOUNT THE DETECTORS IN DUCTWORK, WHERE REQUIRED BY CODE AND DIVISION 23. ASSOCIATED FAN SYSTEM SHALL SHUT DOWN UPON DETECTION OF SMOKE.
4. PROVIDE UL FIRE DAMPERS OR SMOKE/FIRE DAMPERS AND ASSOCIATED ACCESS PANELS WHERE SHOWN ON DRAWINGS IN COMPLIANCE WITH NFPA 90A. FOR DUCTS THAT PENETRATE FIRE WALLS, FLOORS AND PARTITIONS PROVIDE SLEEVES WHERE PENETRATIONS ARE NOT PERPENDICULAR TO SURFACE PENETRATED.
5. REFER TO REFLECTED CEILING PLANS FOR LOCATIONS OF AIR TERMINAL DEVICES.
6. INTERNAL AIR FLOW DIMENSIONS ARE SHOWN FOR DUCTS. CONTRACTOR SHALL INCREASE SHEETMETAL SIZE FOR LINER IF APPLICABLE.
7. DIFFUSER SIZES SHOWN ARE NECK SIZES; REGISTER AND GRILLE SIZE ARE NOMINAL. ALL ROUND RUN OUTS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED NECK SIZE, UNLESS NOTED AS LARGER. DUCT TRANSITIONS SHALL BE PROVIDED AS NECESSARY AT INLET TO DIFFUSER.
8. PROVIDE FLEXIBLE CONNECTIONS ON ALL DUCTS CONNECTING TO FANS AND AIR HANDLING UNITS UNLESS INTERNALLY ISOLATED.
9. THE INSIDE OF DUCTWORK VISIBLE THROUGH A GRILLE OR DIFFUSER SHALL BE PAINTED FLAT BLACK.
10. ALL RETURN AIR OPENINGS ABOVE CEILING SHALL BE PROVIDED WITH A 1/4" MESH ALUMINUM OR GALVANIZED SCREEN (80% FREE AREA MINIMUM).
11. ELBOWS IN DUCT SYSTEMS SHALL BE FULL RADIUS (CENTERLINE RADIUS = 1.5 DUCT WIDTH) WHERE SPACE PERMITS. WHERE LIMITED CLEARANCE OCCURS, PROVIDE SHORT RADIUS ELBOW WITH FULL LENGTH SPLITTER VANES PER SMACNA, OR MITERED ELBOW WITH TURNING VANES PER SMACNA.
12. PROVIDE CLEANOUTS IN KITCHEN EXHAUST DUCTS AT CHANGES IN DIRECTION AND BASES OF RISERS, AND EVERY 10 FEET IN STRAIGHT RUNS.
13. NOT ALL MANUAL DAMPERS ARE SHOWN ON THE DRAWINGS IN ORDER FOR DRAWING CLARITY. PROVIDE MANUAL ADJUSTABLE DAMPERS ON EACH LOW PRESSURE SUPPLY, RETURN, AND EXHAUST DUCT TAKE OFF, AND AT EACH TAKE OFF TO REGISTERS, GRILLES, DIFFUSERS, AND OED; AS REQUIRED FOR PROPER BALANCE OF SYSTEM. PROVIDE CABLE OPERATED DAMPERS WHERE MANUAL DAMPER IS INACCESSIBLE.
14. WHERE DUCTS PENETRATE WALLS WITH SOUND ISOLATION PERFORMANCE RATINGS, PROVIDE DUCT SLEEVE SIZED TO PROVIDE 1/4" GAP BETWEEN THE SLEEVE AND DUCT. FILL THE GAP WITH FIBEROUS MATERIAL AND SEAL AIRTIGHT WITH NON-HARDENING ACOUSTIC SEALANT
15. KITCHEN: COORDINATE REQUIREMENTS WITH KITCHEN EQUIPMENT VENDOR AND FOOD SERVICE DRAWINGS. PROVIDE DUCTWORK AND ACCESSORIES FOR DISHWASHER HOOD AND GREASE HOOD. GREASE DUCT AND DISHWASHER EXHAUST SHALL PITCH BACK TO HOOD

PIPING SYSTEM SPECIFIC NOTES:

2

1. PIPE CONDENSATE DRAIN LINES FULL SIZE OF THE UNIT DRAIN OUTLET, WITH "P" TRAP. CONNECTED TO BUILDING DRAINAGE SYSTEMS WITH AIR GAP. SIZE DEPTH OF TRAP FOR ASSOCIATED AIR PRESSURE DIFFERENTIAL.
2. PROVIDE HANGERS, CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING EXCEEDING ASME ALLOWABLE STRESS ON PIPING MATERIALS.
3. PROVIDE PIPE EXPANSION JOINTS WHERE PIPES PASS THROUGH BUILDING EXPANSION JOINTS. REVEW ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATIONS AND DIMENSIONS.
4. PROVIDE VENTS AT HIGH POINTS IN PIPING SYSTEMS AND DRAIN VALVES AT LOW POINTS.
5. THOUGH SOME ISOLATION VALVES ARE SHOWN ON THE DRAWINGS, IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL ISOLATION VALVES. PROVIDE ISOLATION VALVES AT CONNECTIONS TO EQUIPMENT AND AS REQUIRED BY SPECIFICATIONS AND DETAILS.

FIRESTOPPING NOTES:

1. PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE OR SMOKE WALLS, BARRIERS AND PARTITIONS AS REQUIRED TO MAINTAIN RATING. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALL RATINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

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NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
MECHANICAL ABBREVIATIONS, NOTES AND SYMBOLS

SCALE:	DRAWN BY:
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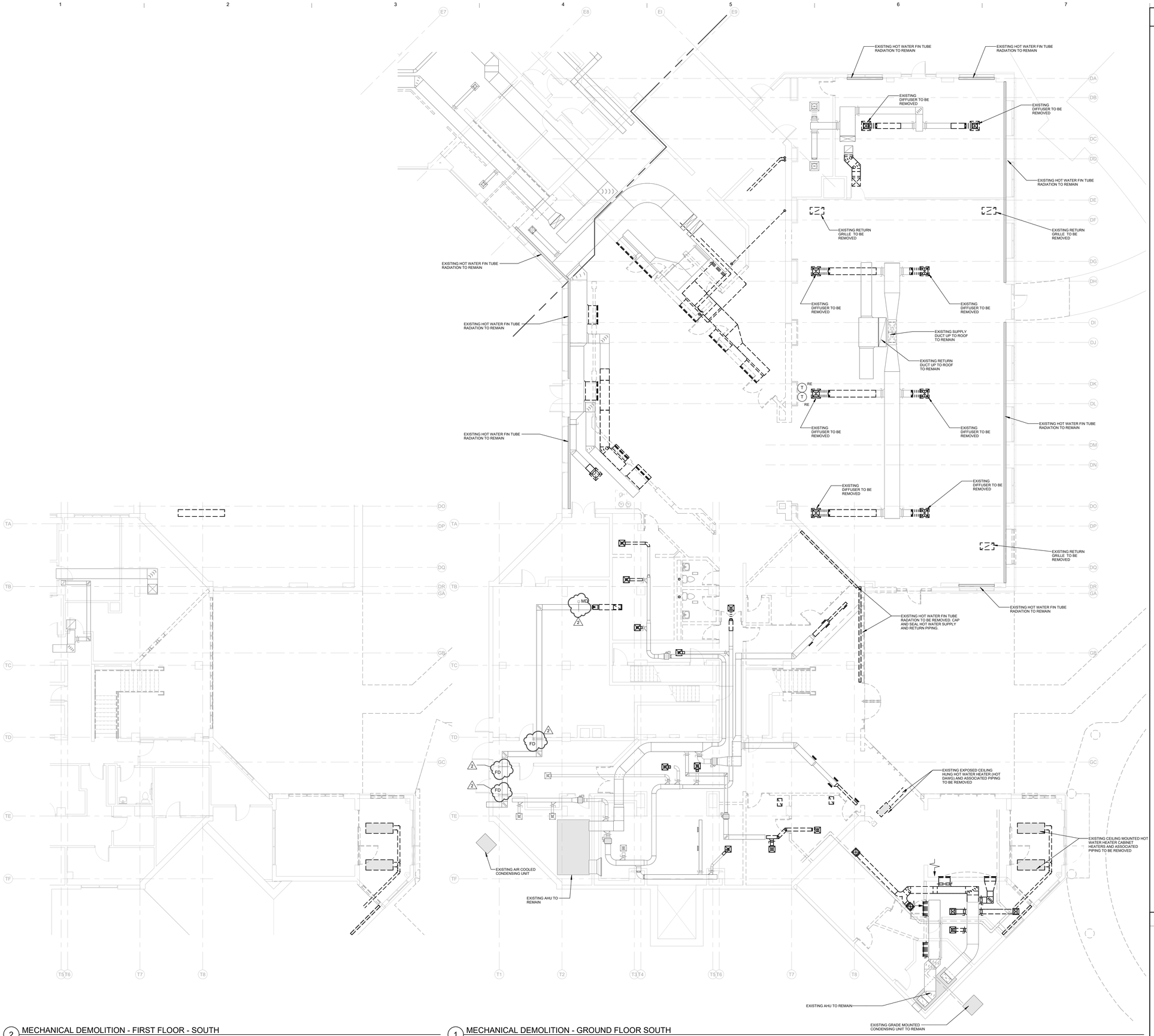
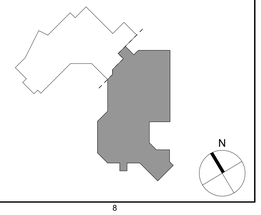


2 MECHANICAL DEMOLITION - FIRST FLOOR - SOUTH
1/8" = 1'-0"

1 MECHANICAL DEMOLITION - GROUND FLOOR SOUTH
1/8" = 1'-0"

KEYPLAN



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PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
MECHANICAL GROUND & FIRST FLOOR SOUTH DEMOLITION PLAN

SCALE:	DRAWN BY:
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DATE: 9/23/2022	CHECKED BY: EMG

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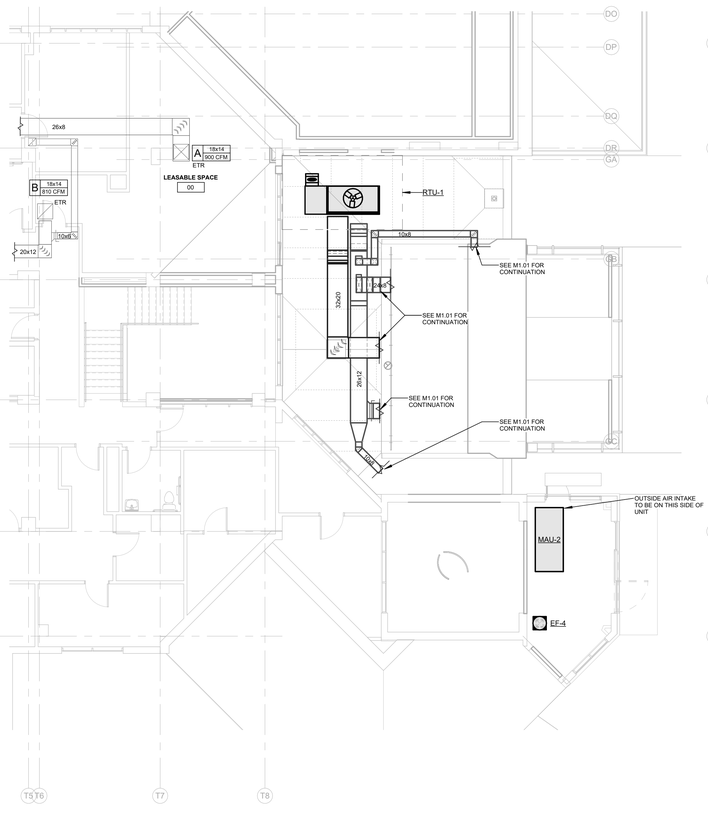
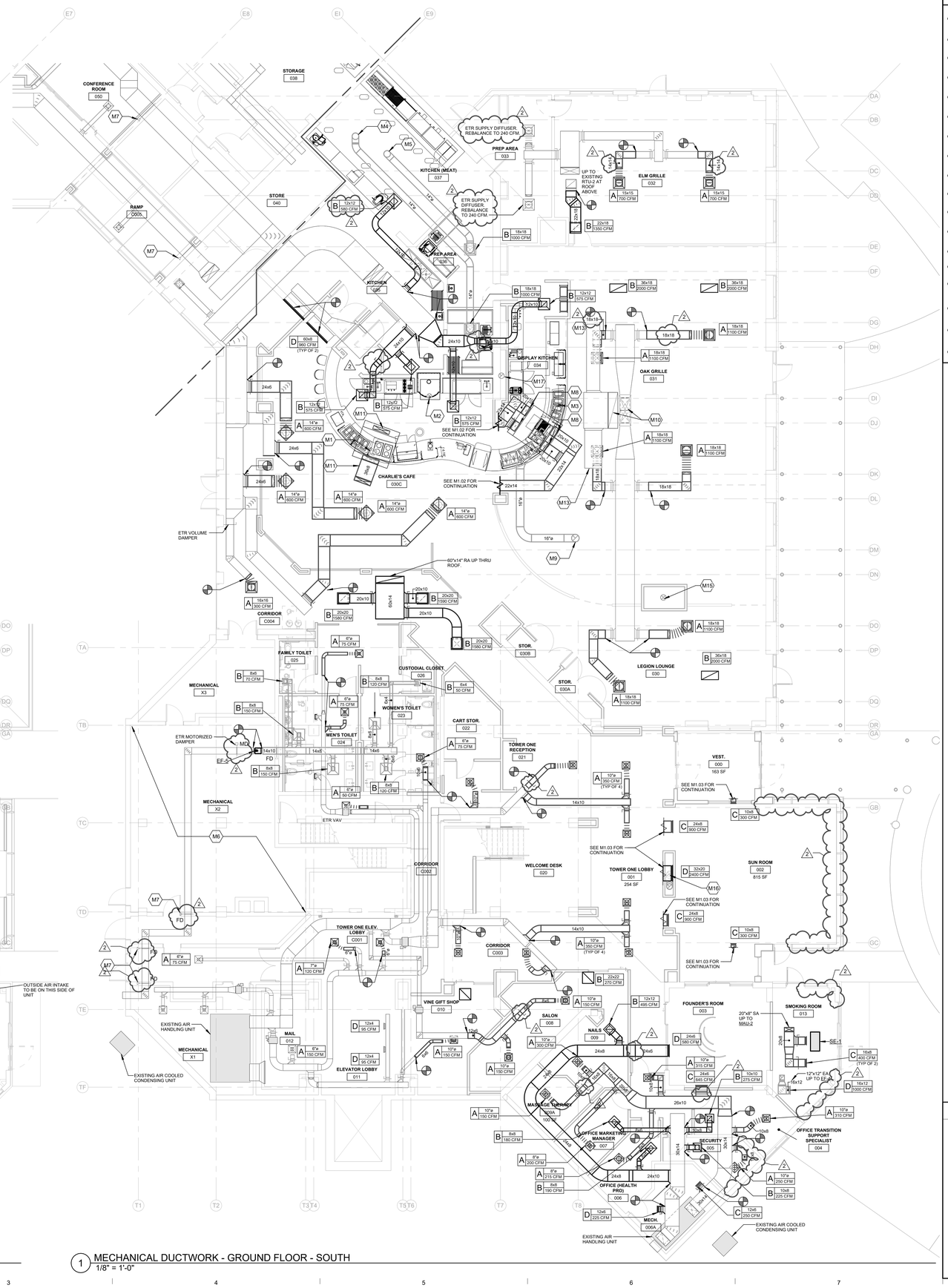


2 MECHANICAL DUCTWORK - FIRST FLOOR - SOUTH PLAN
1/8" = 1'-0"

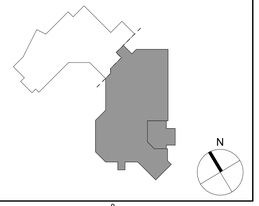


1 MECHANICAL DUCTWORK - GROUND FLOOR - SOUTH
1/8" = 1'-0"

KEY NOTES - MECHANICAL

- M1 14"ø GREASE EXHAUST DUCT UP TO EF-1, FROM KITCHEN HOOD, TRANSITION TO HOOD CONNECTION - 1500 CFM.
- M2 10"ø GREASE EXHAUST DUCT UP TO EF-3, FROM KITCHEN HOOD, TRANSITION TO HOOD CONNECTION - 625 CFM.
- M3 16"ø GREASE EXHAUST DUCT DROP TO KITCHEN HOOD, TRANSITION TO HOOD CONNECTION - 2275 CFM.
- M4 14"ø GREASE EXHAUST DUCT UP TO DEF-1.
- M5 14"ø GREASE EXHAUST DUCT UP TO DEF-2.
- M6 EXISTING TO REMAIN BOILERS SERVING SOUTH PORTION OF BUILDING LOCATED IN MECHANICAL ROOM.
- M7 EXISTING TO REMAIN FIRE DAMPER.
- M8 20"x10" SUPPLY AIR DUCT DROP TO HOOD COLLAR, TRANSITION TO HOOD CONNECTION.
- M9 16"ø GREASE EXHAUST DUCT UP TO EF-2.
- M10 SUPPY AND RETURN UP TO EXISTING RTU-1 AT ROOF ABOVE.
- M11 36"x8" SUPPLY AIR DUCT DROP TO HOOD COLLAR, TRANSITION TO HOOD CONNECTION. 36"x8" SUPPLY AIR DUCT UP THRU ROOF.
- M12 EXISTING TO REMAIN BOILERS SERVING NORTH PORTION OF BUILDING LOCATED IN MECHANICAL ROOM.
- M13 EXISTING OPEN ENDED RETURN AIR DUCT TO REMAIN.
- M14 NEW UNIT VENTILATOR TO CONNECT TO EXISTING LOUVER.
- M15 PROVIDE 12" FLUE UP THRU ROOF. TERMIANTE WITH VENT CAP, FLUE SHALL CONNECT TO FIREPLACE INSTALLED AS PART OF PHASE 2
- M16 PROVIDE 12" FLUE UP THRU ROOF. OFFSET IN VERTICAL TO AVOID RETURN DUCT. TERMIANTE WITH VENT CAP. FLUE SHALL CONNECT TO FIREPLACE INSTALLED AS PART OF PHASE 2
- M17 PROVIDE 12" FLUE UP THRU ROOF. TERMIANTE WITH VENT CAP, FLUE SHALL CONNECT TO FIREPLACE INSTALLED AS PART OF PHASE 2
- M18 PROVIDE RENEWAIRE EK SERIES 3KW, 208 V SINGLE PHASE ELECTRIC DUCT HEATER.

KEYPLAN



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2	10/12/2022	ADDENDUM #4

PROJECT NAME:
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PROJECT ADDRESS:
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PROJECT NUMBER:
20200157

DRAWING TITLE:
MECHANICAL DUCTWORK GROUND & FIRST FLOOR SOUTH PLAN

SCALE:	DRAWN BY:
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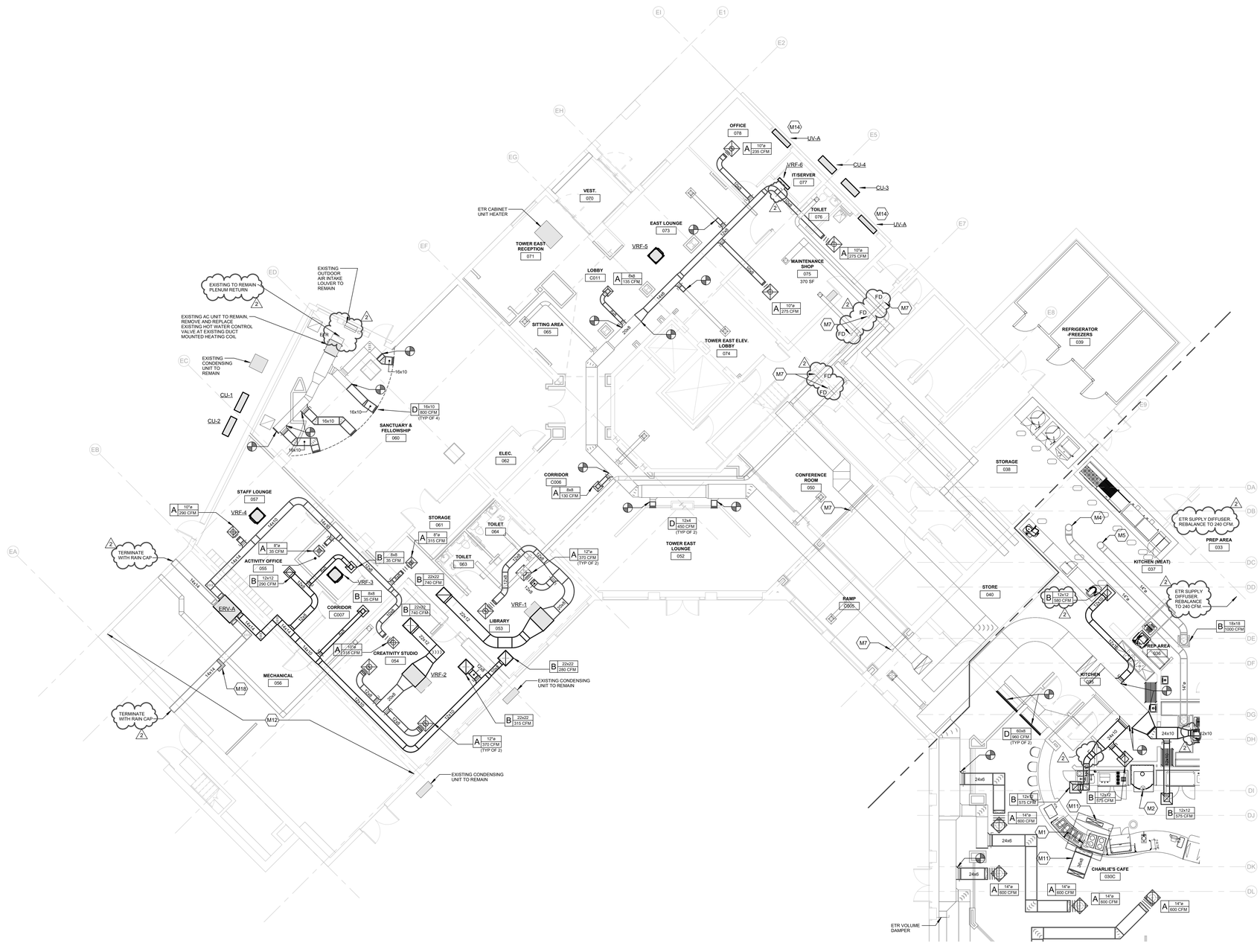

1 MECHANICAL DUCTWORK - GROUND FLOOR - NORTH
1/8" = 1'-0"

KEY NOTES - MECHANICAL

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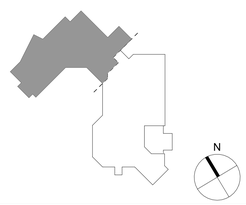
KEYPLAN



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PROJECT NAME:
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PROJECT ADDRESS:
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PROJECT NUMBER:
20200157

DRAWING TITLE:
MECHANICAL DUCTWORK GROUND FLOOR NORTH PLAN

SCALE:	DRAWN BY:
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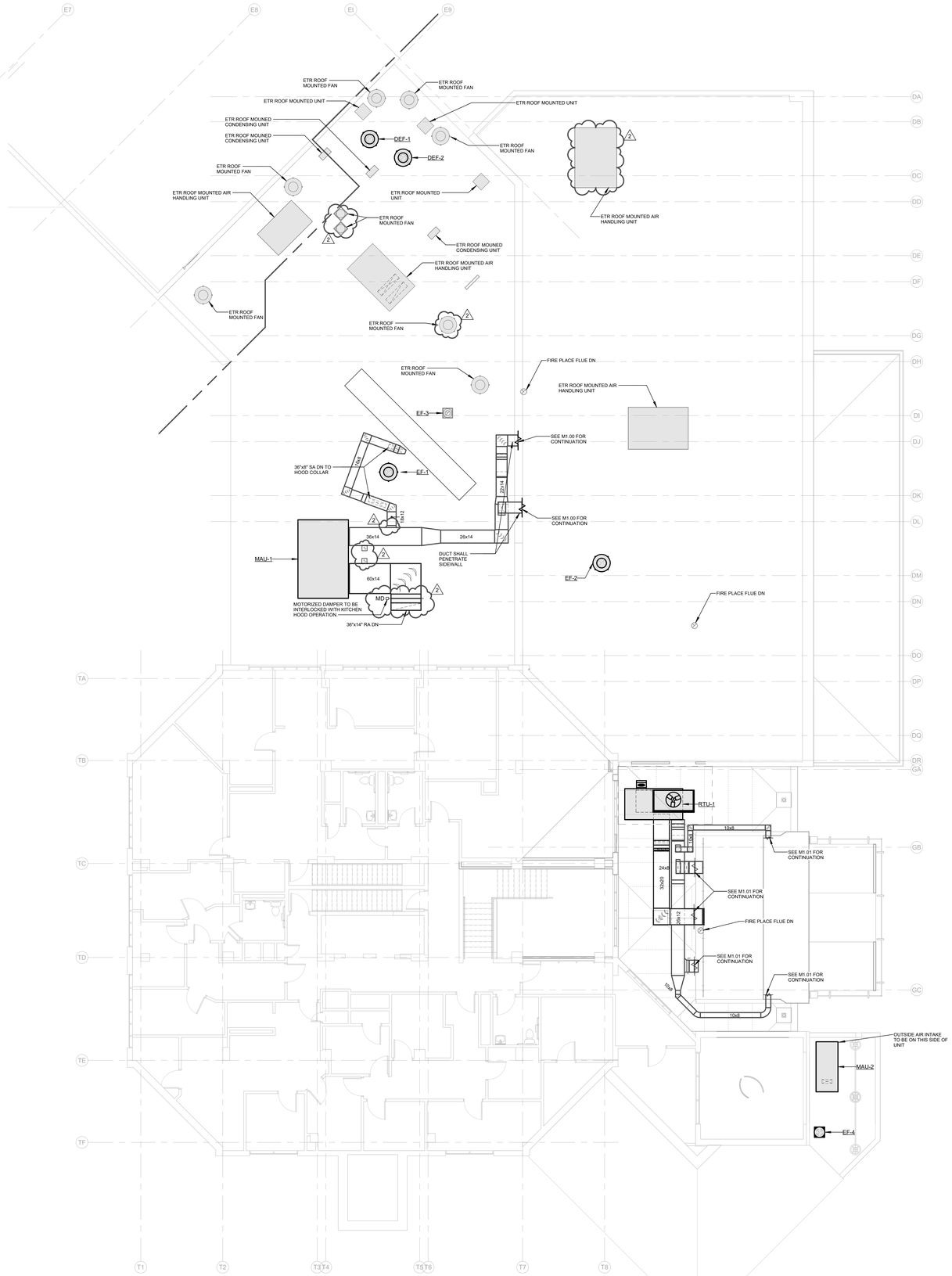
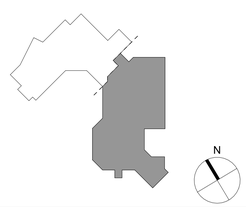


1 MECHANICAL FIRST FLOOR ROOF LEVEL - SOUTH
1/8" = 1'-0"

KEYPLAN



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PROJECT NUMBER:
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DRAWING TITLE:
MECHANICAL ROOF LEVEL FLOOR PLAN

SCALE: **1/8" = 1'-0"**
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DATE: **9/23/2022**
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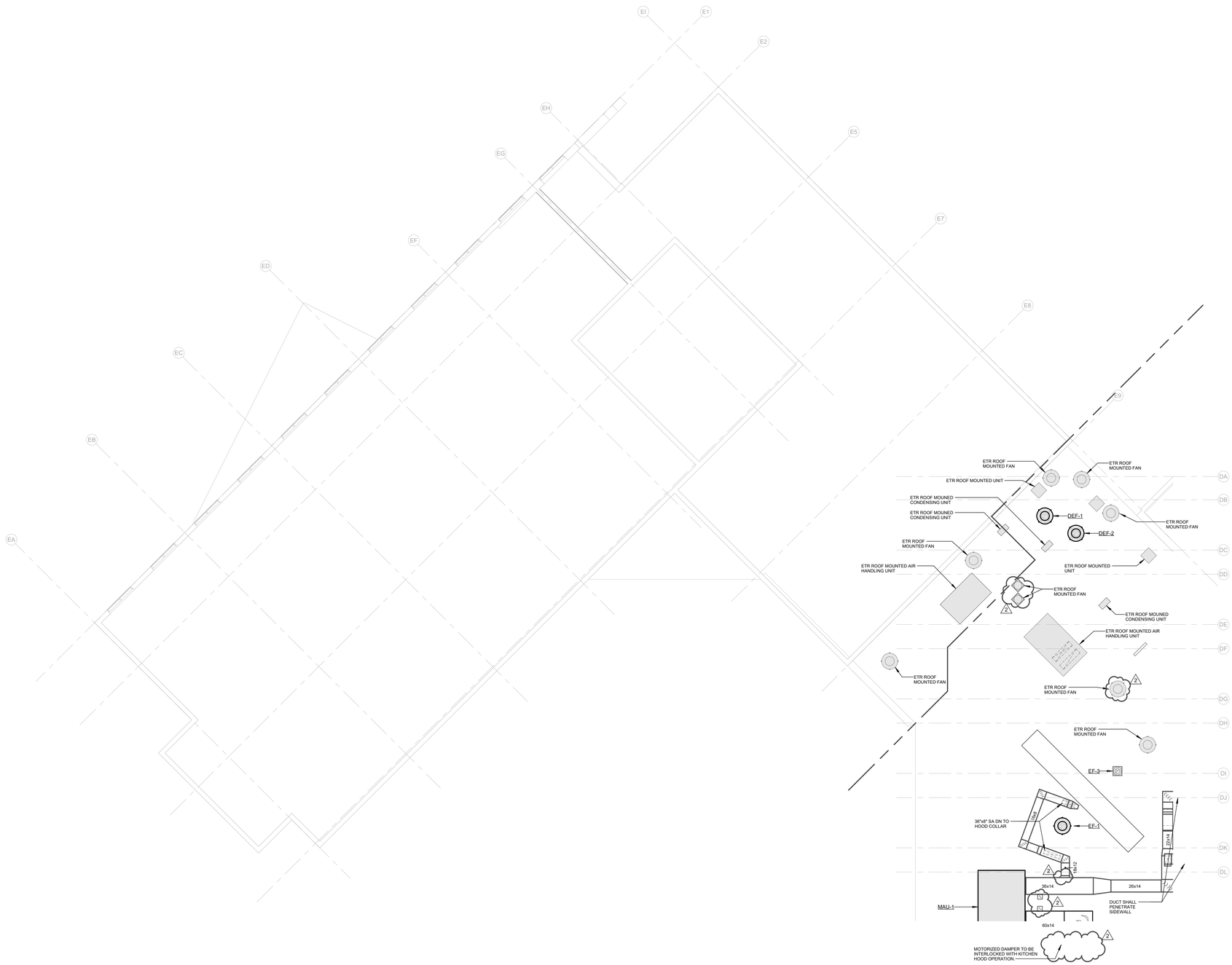
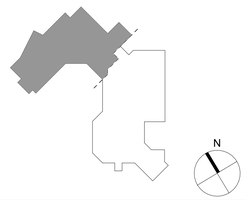


1 MECHANICAL ROOF LEVEL FLOOR PLAN - NORTH
1/8" = 1'-0"

KEYPLAN



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NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
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PROJECT NUMBER:
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DRAWING TITLE:
MECHANICAL ROOF LEVEL FLOOR PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	TPG
DATE: 9/23/2022	CHECKED BY: EMG

DRAWING NUMBER:
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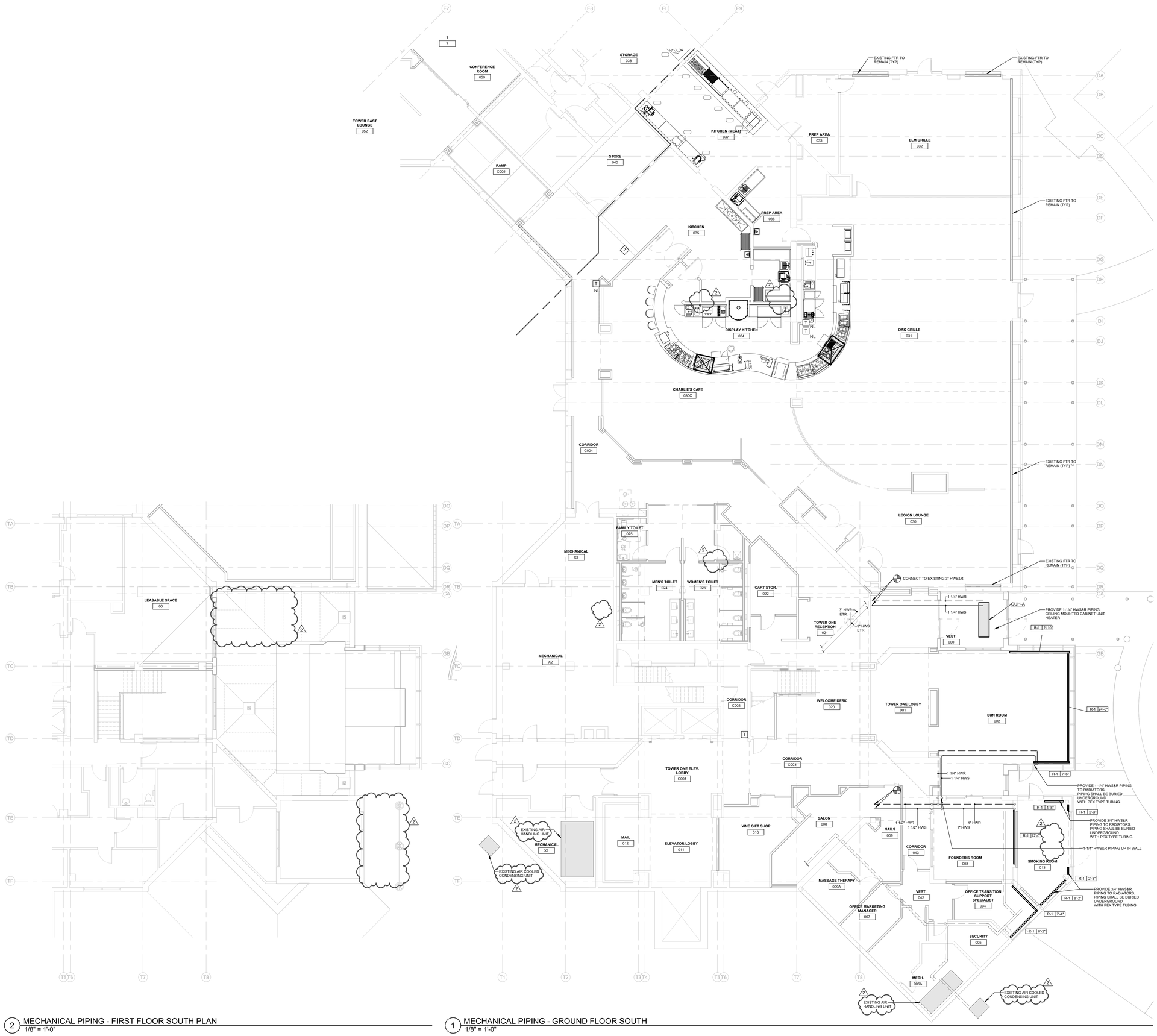

2 MECHANICAL PIPING - FIRST FLOOR SOUTH PLAN
1/8" = 1'-0"

1 MECHANICAL PIPING - GROUND FLOOR SOUTH
1/8" = 1'-0"

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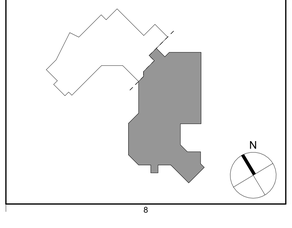
KEYPLAN



DRAWING TITLE:
MECHANICAL PIPING GROUND & FIRST FLOOR SOUTH PLAN

SCALE: **1/8" = 1'-0"**
DRAWN BY: **TPG**
DATE: **9/23/2022**
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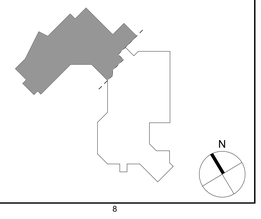
1 MECHANICAL PIPING - GROUND FLOOR NORTH
1/8" = 1'-0"

KEYPLAN



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DRAWING TITLE:
MECHANICAL PIPING FLOOR PLAN

SCALE:	DRAWN BY:
1/8" = 1'-0"	TPG
DATE: 9/23/2022	CHECKED BY: EMG

DRAWING NUMBER:
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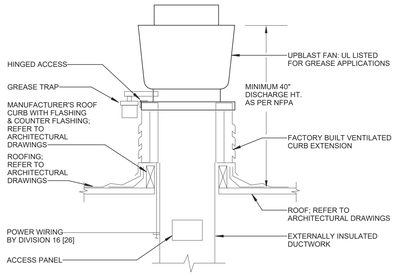
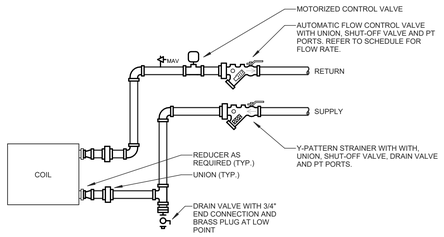
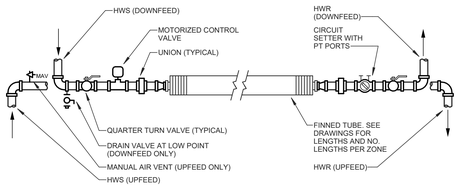


9 UPBLAST FAN DETAIL FOR KITCHEN EXHAUST
NTS



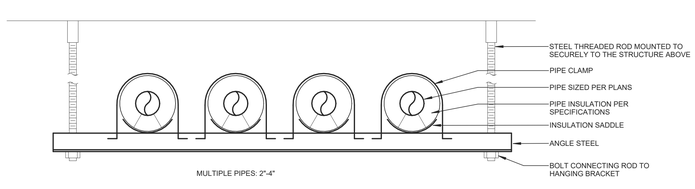
BRANCH PIPE SIZING	
FLOW RATE (GPM)	PIPE SIZE (IN)
0.0 - 3.0	3/4"
>3.0 - 6.5	1"
>6.5 - 12.0	1-1/4"
>12.0 - 20.0	1-1/2"
>20.0 - 40.0	2"
>40.0 - 65.0	2-1/2"
OVER 65.0	3"

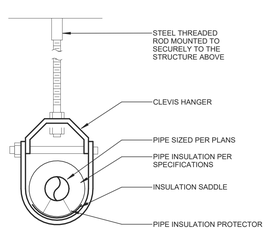
10 COIL HOOKUP - CABINET HEATER AND UNIT VENTILATORS
NTS



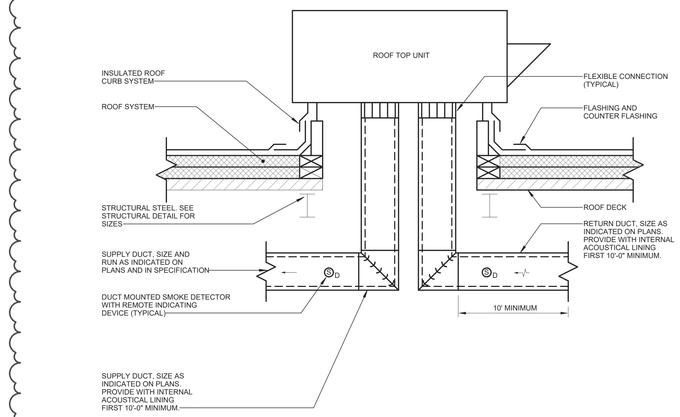
NOTES:
1. LOCATE PIPING AND VALVES CONCEALED. VALVES MAY BE LOCATED ABOVE ACCESSIBLE CEILING OR WITHIN ACCESSIBLE FINNED TUBE ENCLOSURE.

11 FINNED TUBE RADIATOR - 1 TIER
NTS

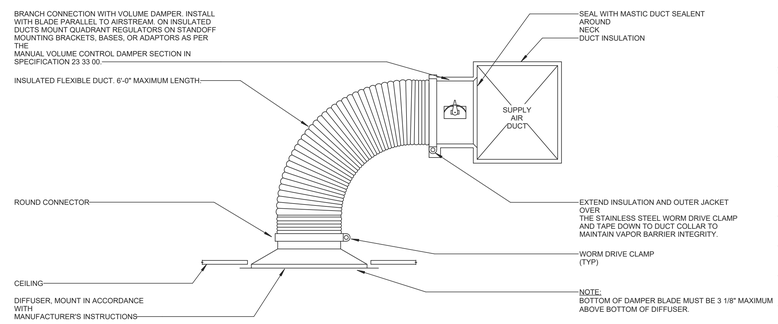




12 PIPE HANGER DETAIL1
NTS

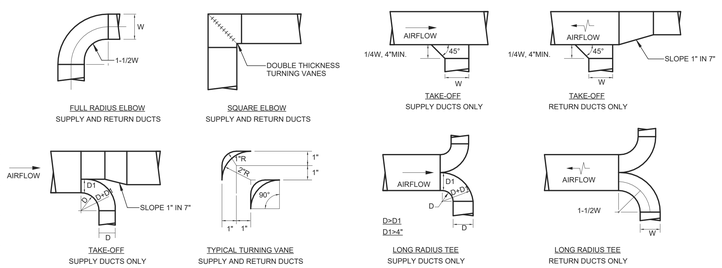


6 ROOF TOP UNIT DETAIL
NTS

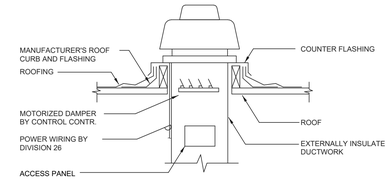


NOTES:
1. SUPPORT FLEXIBLE DUCT FROM STRUCTURE AS SPECIFIED. DUCT SHALL NOT KINK, SAG OR REST ON LIGHT FIXTURES, CEILING SUPPORT TEES OR TILE.
2. PROVIDE REGULATORS WHERE VOLUME DAMPER IS ACCESSIBLE.
3. IN UNCONDITIONED CEILING PLENUMS, INSULATE BACK OF DIFFUSER WITH 1" DUCT WRAP AND SEAL WITH VAPOR BARRIER TAPE.

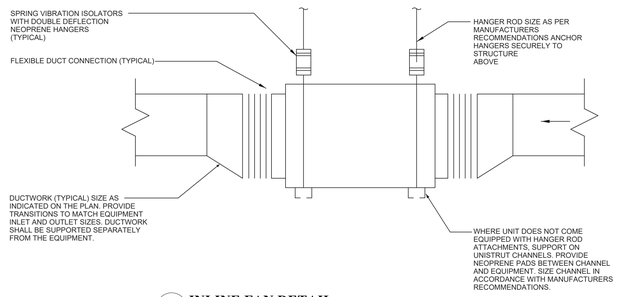
7 DIFFUSER WITH FLEX DUCT DETAIL
NTS



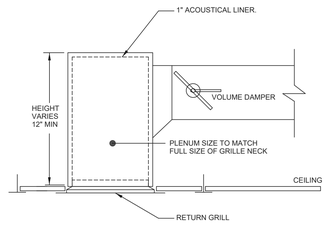
8 TYPICAL DUCT DETAILS
NTS



1 EXHAUST FAN DETAIL
SCALE: NONE

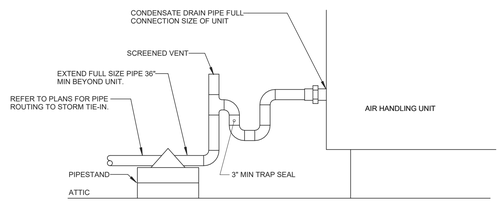


2 INLINE FAN DETAIL
SCALE: NONE



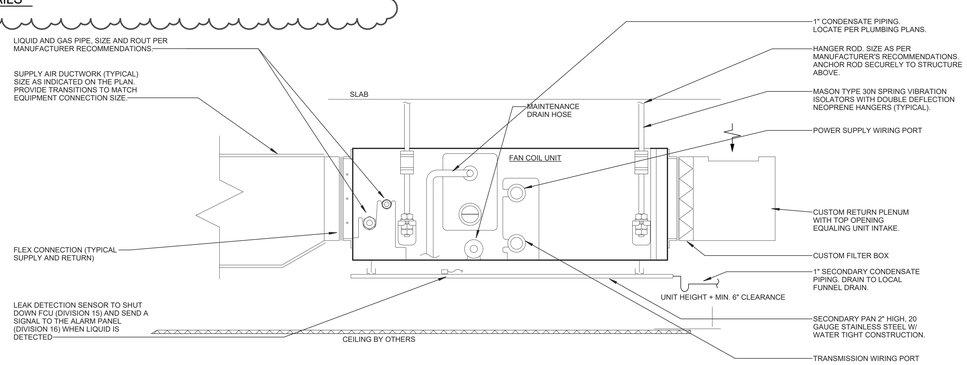
NOTES:
1. PROVIDE VOLUME DAMPERS AT ALL RETURN GRILL TAKEOFFS.

3 TYPICAL RETURN AIR/EXHAUST AIR GRILLE PLENUM DETAIL
SCALE: NONE



NOTES:
1. SIZE TRAP PER UNIT MANUFACTURES REQUIREMENTS.

4 AIR HANLDING UNIT CONDENSATE
SCALE: NONE



5 FAN COIL UNIT DETAIL
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DRAWING TITLE:
MECHANICAL DETAILS

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DIFFUSER AND REGISTER SCHEDULE

SYMBOL	MANUFACTURER/ MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION			REMARKS
					OBD	FRAME	BLADES	
A	TITUS OMNI	SUPPLY	PLQ	LAY IN	NONE	STEEL	STEEL	1
B	TITUS 350RL	RETURN	LF	LAY IN	NONE	STEEL	STEEL	1
C	TITUS 300RL	SUPPLY	SW	SURFACE MOUNT	NONE	STEEL	STEEL	1,2
D	TITUS 350RL	RETURN	SW	SURFACE MOUNT	NONE	STEEL	STEEL	1

TYPES:
DD - DIRECTIONAL DIFFUSER
PLQ - PLAQUE DIFFUSER
LB - LINEAR BAR
LF - LOUVERED FACE
LS - LINEAR SLOT
SW - SIDEWALL REGISTER
PERF - PERFORATED / EGG-CRATE

REMARKS:

1. MECHANICAL CONTRACTOR SHALL FIELD INSTALL REMOTE CABLE OPERATED VOLUME CONTROL DAMPER IN HARD CEILING LOCATIONS.
2. PROVIDE WITH DOUBLE DEFLECTION BLADES.

FAN SCHEDULE

GENERAL					PHYS.	PERFORMANCE						ELECTRICAL				REMARKS			
SYMBOL	MANUFACTURER	MODEL	LOCATION	SERVICE	WEIGHT (LBS)	CFM	ESP (IN WG)	BHP	MAX dBA	FAN RPM	MOTOR RPM	HP	VOLTS	PHASE	CURRENT RLA (A)	TYPE	RATINGS	FEATURES	INSTALL
EF-1	COOK	150V17D (VF)	KITCHEN ROOF	KITCHEN HOOD EXHAUST	142	1,500	0.75	0.337	61	1144	1725	3/4	208	1	5.3	1	1,2,3	1,2	1,2,3
EF-2	COOK	180VH17D (VF)	KITCHEN ROOF	KITCHEN HOOD EXHAUST	81	2,275	0.75	0.497	63	1146	1725	3/4	208	1	5.3	1	1,2,3	1,2	1,2,3
EF-3	COOK	101V28D (VF)	KITCHEN ROOF	PIZZA OVEN EXHAUST	67	625	0.50	0.115	58	1550	2800	1/3	208	1	2.8	1	1,2,3	1,2	1,2,3
EF-4	COOK	101R28D (VF)	SMOKING LOUNGE ROOF	GENERAL EXHAUST	35	800	0.75	0.224	65	1940	2800	1/3	208	1	2.8	1	1,2,3	1,2	2,4
EF-5	COOK	120SQN17D091VF	BOILER ROOM	TOILET EXHAUST	74	660	0.75	0.208	63	1524	1725	1/3	208	1	2.6	2	1,2	1,2	5
DEF-1	COOK	120R17DOR92VF	KITCHEN ROOF	DISHWASHER EXHAUST	58	1,000	0.50	0.189	62	1306	1725	1/3	208	1	2.6	1	1,2	1,2	2
DEF-2	COOK	120R17DOR92VF	KITCHEN ROOF	DISHWASHER EXHAUST	58	1,000	0.50	0.189	62	1306	1725	1/3	208	1	2.6	1	1,2	1,2	2

REMARKS - TYPE:
1. ROOF MOUNTED DIRECT DRIVE, UPBLAST
2. INLINE HUNG FROM STRUCTURE ABOVE.

REMARKS - RATINGS:
1. AMCA AIR & SOUND CERTIFIED
2. UL LISTED
3. FAN TO BE UL762 APPROVED FOR KITCHEN GREASE FAN APPLICATION.

REMARKS - FEATURES:
1. ALL ALUMINUM HOUSING, TWO PIECE TOP CAP WITH STAINLESS STEEL QUICK RELEASE LATCHES, PERMANENTLY LUBRICATED BALL BEARINGS. UL LISTED FOR GREASE REMOVAL.
2. PROVIDE ECM MOTOR

REMARKS - INSTALL:
1. FAN SHALL BE CONTROLLED AS PER SPECIFICATION SECTION 230993, COORDINATE WITH KITCHEN EQUIPMENT. FAN OPERATION SHALL BE INTERLOCKED WITH OPERATION OF MAU-1.
2. FURNISH WITH ROOF CURB AND ALL MOUNT ACCESSORIES PER MANUFACTURERS INSTALLATION INSTRUCTION.
3. FURNISH WITH FAN MOUNTED SPEED CONTROLLER, PRE-WIRED NEMA 3R DISCONNECT, HINGED BASE KIT AND GREASE TERMINATORS. VENTED ROOF CURB.
4. FAN SHALL BE CONTROLLED BY LOCAL SWITCH ON WALL.
5. FAN SHALL OPERATE 24/7.

ENERGY RECOVERY VENTILATION UNIT SCHEDULE

UNIT	MANUFACTURER/ MODEL NUMBER	UNIT LOCATION	ESP (IN. WC)	PERFORMANCE - GENERAL						ELECTRICAL					DIMENSIONS L"xW"xH"	SOUND PRESSURE (dBA)	WEIGHT (LBS.)	REMARKS
				SUPPLY AIR		EXHAUST AIR		ENTHALPY RECOV.		FLA	VOLTS	MCA	MOP	PHASE				
				CFM	ESP (IN.WC)	CFM	ESP(IN. WC)	WINTER (%)	SUMMER (%)									
ERV-A	RENEWAIRE HE2XJINH	SEE PLANS	1.50	955	1.50	955	1.50	62.4	73.3	7.6	208	18.4	25	1	64-1/4"x42-7/8"x35-1/2"	38	275	ALL

REMARKS:

1. PROVIDE WITH MOTORIZED DAMPERS ON EXHAUST AIR AND OUTSIDE AIR CONNECTIONS, FACTORY WIRED.
2. PROVIDE WITH FUSED DISCONNECT, DOUBLE WALL CONSTRUCTION, FACTORY MOUNTED FILTER ALARMS (2).
3. AIR HANDLING PERFORMANCE DATA IN ACCORDANCE WITH AHRI 430.
4. FURNISH WITH (2) MERV 13 FILTERS FOR OA & RA, AND (2) MERV 8 FILTERS FOR EA AND SA.
5. PROVIDE WITH LOCAL CONTROLS, UNIT OPERATION SHALL BE BASED ON TIME CLOCK, UNIT SHALL OPERATE DURING OCCUPIED HOURS.

GAS FIRED ROOFTOP UNIT WITH DX COOLING SCHEDULE

SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	FUEL	INPUT MBH	OUTPUT MBH	COOLING MBH (TOTAL/ SENSIBLE)	COOLING EER	COOLING IEER	DESIGN CFM	MAX OA CFM	TOTAL STATIC IN. WG	TEMP. RISE	ELECTRICAL DATA					OPERATING WEIGHT LBS	REMARKS
														VOLT	PH	FLA	MCA	MOP		
RTU-1	AAON RQ-006-8-H-EB09-33B: GABC-DOB-QJD-HFC-01EAHOD-00-0000000VB	ROOF MOUNTED W/ ENERGY RECOVERY	ROOF SEE M1.02	NG	100.0	81.0	67.7/ 51.49	11.8	14.8	1800	540	3.5	70°F	208	3	36	41	60	1301	ALL
MAU-1	AAON RN-016-8-0-EB09-38B	ROOF MOUNTED	SEE FLOORPLAN	NG	405.0	328.1	189.36	12.2	14.2	4750	100% OA	2.65	70°F	208	3	84	90	110	3480	1-7
MAU-2	AAON RQ-005-8-V-0000-33B	ROOF MOUNTED	SEE FLOORPLAN	NG	100.0	81.0	N/A	N/A	N/A	800	100% OA	1.00	70°F	208	3	6.0	7.0	15	477	1-7

REMARKS:
1. PROVIDE VFD AND DISCONNECT SWITCH. PROVIDE FACTORY CONTROLS WITH STAND ALONE THERMOSTAT.
2. REQUIRED INPUT GAS PRESSURE 7 IN W.C. - 14 IN W.C.
3. VAD PACKAGE TO BE INCLUDED, VFD TO BE FACTORY MOUNTED.
4. PROVIDE WITH MOTORIZED BACKDRAFT DAMPER.
5. PROVIDE WITH LOW FIRE START.
6. PROVIDE WITH VFD LINE REACTOR.
7. PROVIDE FACTORY MOUNTED CONVENIENCE OUTLET FOR MAINTENANCE.
8. SUPPLY AIR FROM UNIT: RTU-1= COOLING - 52.9 DB/50.98 WB., HEATING - 112.4 DB/72.4 WB
9. RTU-1: PROVIDE HOT GAS REHEAT. REHEAT CAPACITY = 39 MBH, LAT= 70 DB/ 57.93 WB.
10. PROVIDE ECONOMIZER OPERATION FULLY MODULATING ACTUATOR WITH ENTHALPY LIMIT. SUPPLY FAN=2.0 HP, EXHUAST FAN=1.0 HP
11. RTU-1: ENERGY RECOVERY WHEEL MODEL ERC-2108. SUMMER EFFECTIVENESS=67.3%, WINTER EFFECTIVENESS=68.8%.

VRF SYSTEM - INDOOR AIR HANDLER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	LOCATION	NOM. TONS	FAN		CAPACITIES		REFRIGERANT PIPING FROM CONTROLLER TO AIR HANDLER		ELECTRICAL			SOUND PRESSURE (dBA)	REMARKS
						CFM (LOW-HIGH)	EXTERNAL STATIC PRESSURE (in. WG)	COOLING (BTUH)	HEATING (BTUH)	LIQUID	GAS	MCA	VOLTS	PHASE		
VRF-1	MITSUBISHI	PEFY-P24NMAU-E4	A	053 - LOUNGE	2.0	618-883	0.6	24,000	27,000	3/8"	5/8"	2.88	208	1	39	ALL
VRF-2	MITSUBISHI	PEFY-P24NMAU-E4	A	054 - ACTIVITY ROOM	2.0	618-883	0.6	24,000	27,000	3/8"	5/8"	2.88	208	1	39	ALL
VRF-3	MITSUBISHI	PLFY-P08NFMU-E	B	055 - ACTIVITY OFFICE	0.6	230-315	N/A	8,000	9,000	1/4"	1/2"	0.28	208	1	33	ALL
VRF-4	MITSUBISHI	PLFY-P08NFMU-E	B	057 - STAFF BREAK ROOM	0.6	230-315	N/A	8,000	9,000	1/4"	1/2"	0.28	208	1	33	ALL
VRF-5	MITSUBISHI	PLFY-P12NFMU-E	B	073 - EAST LOUNGE	1.0	245-335	N/A	12,000	13,500	1/4"	1/2"	0.29	208	1	34	ALL
VRF-6	MITSUBISHI	PKA-A12HA7	C	077 - IT/ SERVER	1.0	320-425	N/A	12,000	14,000	1/4"	1/2"	30 WATTS	208	1	45	ALL

TYPE:
A. DUCTED CEILING CONCEALED.
B. CEILING RECESSED 4-WAY DISCHARGE.
C. WALL MOUNTED

REMARKS:
1. COOLING CAPACITY AT 80°F EDB, 67°F EWB, & 95°F ODB. HEATING CAPACITY AT 70°F EDB, 47°F ODB & 43°F OWB.
2. FURNISH AND INSTALL MANUFACTURES WIRED REMOTE TEMPERATURE SENSOR, UNIT SHALL BE CONTROLLED IN ACCORDANCE WITH SEQUENCE OF OPERATIONS IN SPECIFICATIONS.
3. FURNISH AND INSTALL ALL CONTROL WIRING NECESSARY FROM OUTDOOR UNIT, INDOOR UNIT, AND ALL OTHER CONTROLS ASSOCIATED WITH SYSTEM.
4. PROVIDED WITH INTERNAL CONDENSATE PUMP.
5. PROVIDED WITH MANUFACTURES REMOTE THERMISTOR.

CABINET UNIT HEATER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	DIMENSIONS (LxWxH)	CFM	HOT WATER HEATING PERFORMANCE					ELECTRICAL				REMARKS
					HEATING CAP (MBH)	FLOW RATE (GPM)	WATER PD (FT)	HWS (°F)	HWR (°F)	VOLTS	PHASE	HP	FLA	
CUH-A	RITTLING RFRC-420-12	RFRC	86"x10"x24"	1150	80.1	8.4	1.20	200	160	120	1	(2)1/15	2.26	1,2,5

TYPE:
DC = DUCTED CONCEALED
DE = DUCTED EXPOSED
FL = FLOOR MOUNTED TOP SUPPLY BOTTOM RETURN
RFRC = FULLY RECESSED CEILING MOUNT - FACE SUPPLY AND RETURN
WR = WALL RECESSED

REMARKS:
1. PROVIDE LOCAL WALL MOUNTED THERMOSTAT.
2. ALL VALVES AND PIPING SHALL BE MOUNTED IN CABINET.
3. UNIT HEATER SHALL BE SET TO TURN ON AT 40F
4. PROVIDE DISCONNECT SWITCH.
5. PROVIDE 2-ROW HEATING COIL

VRF SYSTEM - OUTDOOR CONDENSING UNIT SCHEDULE

	MANUFACTURER	SYSTEM				MODULE #1							SOUND PRESSURE (dBA)	WEIGHT (LBS)	REMARKS
		MODEL	NOMINAL TONS	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	MODEL	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	ELECTRICAL						
									MCA	MOP	VOLTS	PHASE			
CU-1	MITSUBISHI	PUMY-P36NKMU3	3	36,000	42,000	PUMY-P36NKMU3	36,000	42,000	29	44	208	1	53	271	ALL
CU-2	MITSUBISHI	PUMY-P36NKMU3	3	36,000	42,000	PUMY-P36NKMU3	36,000	42,000	29	44	208	1	53	271	ALL
CU-3	MITSUBISHI	PUZ-A12NKA7	1	12,000	14,000	PUZ-A12NKA7	12,000	14,000	11	28	208	1	46	93	ALL
CU-4	MITSUBISHI	PUZ-A12NKA7	1	12,000	14,000	PUZ-A12NKA7	12,000	14,000	11	28	208	1	46	93	ALL

REMARKS:
1. R410A REFRIGERANT. CAPACITY RATINGS AT ARI CONDITIONS. COOLING - 80°F EDB, 67°F EWB, 95°F ODB. HEATING - 70°F EDB, 47°F ODB, 43°F OWB.
2. DUAL POINT POWER CONNECTIONS, EACH MODULE POWERED SEPARATELY.
3. PROVIDE BACNET GATEWAY MODEL BAC-HD-150
4. PROVIDE WITH 18" HIGH CONDENSING UNIT MOUNTING STAND.

VRF SYSTEM UNIT GENERAL NOTES

A. FOR THE MAIN REFRIGERANT LINES FROM THE OUTDOOR CONDENSING UNITS TO THE BRANCH CONTROLLER BOXES, EACH LINE ON PLAN REPRESENTS ONE LINES A LIQUID OR GAS. FOR THE BRANCH LINES FROM THE BRANCH CONTROLLER BOX TO THE AIR HANDLERS, EACH LINE ON PLAN REPRESENTS TWO LINES A GAS & A LIQUID REFRIGERANT PIPEREFRIGERANT PIPE RISERS INCLUDED IN DRAWINGS SHALL BE REVIEWED AND CONFIRMED BY MANUFACTURER PRIOR TO PURCHASING ANY AND ALL EQUIPMENT.
B. MOUNT EACH CONDENSING UNIT ON CONCRETE MOUNTING PAD.
C. PROVIDE SPLIT SYSTEM REFRIGERANT PIPING BETWEEN THE INDOOR UNIT, BRANCH CONTROLLER BOX AND THE OUTDOOR UNIT, INSTALL PER MANUFACTURERSINSTRUCTIONS.
D. PROVIDE BACKNET GATEWAY SHALL BE USED FOR INTEGRATION OF VRF SYSTEM TO BUILDING AUTOMATION SYSTEM.
E. SYSTEM SHALL BE PROVIDED WITH MANUFACTURER START-UP AND FULL DAY OF TRAINING (8 HOURS OVER TWO DAYS).

UNIT VENTILATOR SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	DIMENSIONS (LxWxH)	NOM. TONS	CFM	DX COOLING PERFORMANCE		HOT WATER HEATING PERFORMANCE					ELECTRICAL				REMARKS
						COOLING CAP (MBH)	SENSIBLE CAP (MBH)	HEATING CAP (MBH)	FLOW RATE (GPM)	WATER PD (FT)	HWS (°F)	HWR (°F)	VOLTS	PHASE	HP (WATTS)	MCA	
UV-A	DAIKIN UAVS9HO7	FM	47"x10"x25"	1	492	23.6	12.3	32.5	2.0	0.68	200	167.5	208	1	-	3.8	1,2

TYPE:
FM = NON DUCTED FLOOR MOUNTED

REMARKS:
1. PROVIDE CONDENSATE PUMP
2. COOLING COIL RATED AT: EAT= 82.1 DB/69.8 WB, LAT=59.0 DB/54.7 WB

AIR CLEANER SCHEDULE

SYMBOL	MANUFACTURER / MODEL NUMBER	MOUNTING TYPE	CFM	DIMENSIONS			HANGING WEIGHT (LBS)	ELECTRICAL				REMARKS
				LENGTH	WIDTH	HEIGHT		AMPS	HP	VOLTS	PHASE	
SE-1	UNITED AIR SPECIALISTS/ SMOKEETER	CEILING/ WALL	600-1,500	40-1/4"	19-1/2"	20"	138	7.0	1/2	115	1	ALL

REMARKS:

1. PROVIDE WITH CARBON MODULE/ PLENUM.
2. PROVIDE WITH REMOTE SWITCH ASSEMBLY.

RADIATOR SCHEDULE

SYMBOL	MANUFACTURER / MODEL NUMBER	TYPE	CAPACITY BTUH/SF (BTUH/FT)	OVERALL INSTALLED HEIGHT	UNIT DEPTH	REMARKS
R-1	RUNTAL/R3F-5	PANEL RADIATOR	2367	14-3/8"	5"	ALL

REMARKS:
1. PROVIDE WITH MANUAL SHUT OFF VALVE ACCESSIBLE BY ACCESS PANEL.
2. PROVIDE WITH END TRIP AND PIPE TRIM TO CONCEAL ALL PIPING.
3. PROVIDE WITH BACK PANEL AT PEDESTAL INSTALLATION LOCATIONS.
4. RATING BASED ON 170 F AWT & 65 F EAT.

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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

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THE TOWERS

PROJECT ADDRESS:
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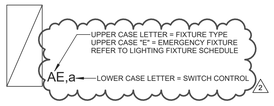

NOTES:
1. FIXTURE CONTROL DESIGNATION REFERS TO ZONE/SWITCH/RELAY CONTROL OF FIXTURES CONTROLLED BY COMMON:
   A. SWITCH FOR LIGHTING IN ROOM, CORRIDOR, OPEN AREA.
   B. ZONE RELAY IN LOCAL LIGHTING CONTROL PANEL OR LIGHTING CONTROL RELAY PANEL.
   C. ALL CONTROL DEVICES (SWITCHES, CONTROL PANELS, OCCUPANCY/VACANCY SENSORS, ETC) WITH CONTROL DESIGNATIONS REFERS TO COMMON CONTROL OF THE SAME ZONE/SWITCH/RELAY CONTROL.
2. WHERE CONTROL DESIGNATION IS NOT SHOWN, FOLLOW WIRING SHOWN ON PLANS FOR FIXTURE CONTROL.
3. WHERE EMERGENCY AND NORMAL FIXTURES ARE CONTROLLED FROM THE SAME ZONE/SWITCH/CONTROL RELAY, UL 924 EMERGENCY BYPASS RELAYS SHOWN WITH SAME CONTROL DESIGNATION BYPASS THAT ZONE/SWITCH/CONTROL RELAY. REFER TO EMERGENCY LIGHTING CIRCUIT SCHEMATICS FOR ADDITIONAL WIRING INFORMATION.
4. UNSWITCHED LIGHTING BRANCH CIRCUIT WIRING IS SHOWN TO A SINGLE FIXTURE IN EACH COMMON CONTROL ZONE. UNLESS OTHERWISE INDICATED, PROVIDE 2#12,#12G,3/4"C FOR SWITCHED WIRING TO ALL COMMON CONTROL FIXTURES.
5. PROVIDE LOW VOLTAGE DIMMING CONTROL WIRING AS INDICATED IN LIGHTING CONTROL DETAILS FOR DIMMABLE LIGHT FIXTURES IN COMMON CONTROL ZONES/SWITCHES/RELAY CONTROL.
6. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL WIRING AND CONTROL INFORMATION.
7. REFER TO LIGHTING CONTROL RELAY PANEL SCHEDULES WHERE APPLICABLE FOR ADDITIONAL CONTROL INFORMATION.

ELECTRICAL ABBREVIATIONS

A/AMP	AMPERE
AC	ALTERNATING CURRENT
AFCI	ARC FAULT CIRCUIT INTERRUPTER
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPS INTERRUPTING CURRENT
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAL WIRE GAUGE
BSMT	BASEMENT
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
COMP	COMPRESSOR
CP	CONDENSATE PUMP
CT	CURRENT TRANSFORMER
CU	CONDENSING UNIT OR COPPER
CUH	CABINET UNIT HEATER
D	DRYER
DEG.	DEGREE
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ETR	EXISTING TO REMAIN
EF	EXHAUST FAN
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
EP	EMERGENCY PANEL
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
F	FAHRENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOT CANDLE
FCU	FAN COIL UNIT
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
HPS	HIGH PRESSURE SODIUM
HR	HOUR
HZ	HERTZ
IG	ISOLATED GROUND
IN	INCHES
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERE
KW	KILOWATT
MAX	MAXIMUM
MAU	MAKE-UP AIR UNIT
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCCB	MOLDED CASE CIRCUIT BREAKER
MH	METAL HALIDE OR MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NEW LOCATION OF EXISTING RELOCATED
NR	NEW TO REPLACE EXISTING
NTS	NOT TO SCALE
P	POLE
PE	PRIMARY ELECTRIC SERVCE
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
RE	REMOVE EXISTING
REF	REFRIGERATOR
RGS	RIGID GALVANIZED STEEL CONDUIT
RL	RELOCATE EXISTING
RM	ROOM
RR	REMOVE AND REPLACE ON NEW SURFACE
RTU	ROOFTOP UNIT
SE	SECONDARY ELECTRICAL SERVICE
SPEC	SPECIFICATION
SWBD	SWITCHBOARD
SPD	SURGE PROTECTION DEVICE
TELE	TELECOMMUNICATIONS/TELEPHONE
TV	TELEVISION
T/TX	TRANSFORMER
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT AMPERE
VAC	VOLTS ALTERNATING CURRENT
VIF	VERIFY IN FIELD
W	WATT OR WIRE
WA	WASHER
WG	WIRE GUARD
WP	WEATHERPROOF

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD		WALL MOUNTED EXIT SIGN, DOUBLE FACED. CHEVRON ARROW AS INDICATED
	RECESSED PANELBOARD		WALL MOUNTED EXIT SIGN. CHEVRON ARROW AS INDICATED
	MOTOR (REFER TO MOTOR CIRCUIT SCHEDULE FOR POWER REQUIREMENTS)		CEILING MOUNTED EXIT SIGN. CHEVRON ARROW AS INDICATED
	BRANCH CIRCUIT WIRING, CONCEALED IN WALLS OR CEILINGS		CEILING MOUNTED EXIT SIGN, DOUBLE FACED. CHEVRON ARROW AS INDICATED
	HOMERUN TO PANELBOARD	$	SINGLE POLE TOGGLE SWITCH
	SWITCHED BRANCH CIRCUIT WIRING	$ OS	LINE VOLTAGE OCCUPANCY SENSOR SWITCH (AUTO-ON/ AUTO-OFF)
		$ OSD	LINE VOLTAGE OCCUPANCY SENSOR DIMMER (AUTO-ON/ AUTO-OFF)
PT #	POKE-THRU DEVICE. SUPERSCRIPT "#" INDICATES TYPE. REFER TO FLOOR BOX DEVICE SCHEDULE FOR TYPE.	$ VS	LINE VOLTAGE VACANCY SENSOR SWITCH (MANUAL-ON/ AUTO-OFF)
		$ VSD	LINE VOLTAGE VACANCY SENSOR DIMMER (MANUAL-ON/ AUTO-OFF)
FB #	FLOOR BOX. SUPERSCRIPT "#" INDICATES TYPE. REFER TO FLOOR BOX DEVICE SCHEDULE FOR TYPE.	$ LV	LOW VOLTAGE MOMENTARY PUSHBUTTON FOR USE WITH CEILING SENSORS. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION.
J	JUNCTION BOX	$ LVD	LOW VOLTAGE DIMMER FOR USE WITH CEILING SENSORS. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION.
	SIMPLEX WALL MOUNTED RECEPTACLE, 18" AFF UNLESS OTHERWISE NOTED	PP	LIGHTING CONTROL POWER PACK. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION.
	DUPLEX WALL MOUNTED RECEPTACLE, 18" AFF UNLESS OTHERWISE NOTED	OS	CEILING MOUNTED OCCUPANCY SENSOR (SET TO AUTO-ON, AUTO-OFF MODE)
XX"	DUPLEX WALL MOUNTED RECEPTACLE MOUNTED AT XX" ABOVE FINISHED FLOOR	VS	CEILING MOUNTED VACANCY SENSOR (SET TO MANUAL-ON, AUTO-OFF MODE)
	DOUBLE DUPLEX WALL MOUNTED RECEPTACLE, 18" AFF UNLESS OTHERWISE NOTED	FACP	FIRE ALARM CONTROL PANEL
a a	RECEPTACLE, MOUNT 6" ABOVE COUNTER OR CASEWORK	FARA	FIRE ALARM REMOTE ANNUNCIATOR PANEL
GFI GFI	RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTION	OS	CORNER MOUNTED OCCUPANCY SENSOR. MOUNT TIGHT TO CEILING. SET TO AUTO-ON, AUTO-OFF MODE.
WP WP	RECEPTACLE WITH WEATHERPROOF COVER	VS	CORNER MOUNTED VACANCY SENSOR. MOUNT TIGHT TO CEILING. SET TO MANUAL-ON, AUTO-OFF MODE.
	SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION AND WIRING AS INDICATED	MM	FIRE ALARM MONITOR MODULE
MS	SPECIAL PURPOSE CONNECTION FOR MOTORIZED SHADES	CM	FIRE ALARM CONTROL MODULE
	SURFACE MOUNTED LIGHTING FIXTURE	XX	WALL MOUNTED COMBINATION SPEAKER / STROBE LIGHT WITH A MULTI-CANDELA STROBE. MOUNT AT 6'-8" AFF. WG= PROVIDE WITH WIREGUARD. "XX"=CANDELA RATING
	SURFACE MOUNTED EMERGENCY LIGHTING FIXTURE	XX	WALL MOUNTED STROBE-ONLY UNIT WITH A MULTI-CANDELA STROBE. MOUNT AT 6'-8" AFF. WG= PROVIDE WITH WIREGUARD. "XX"=CANDELA RATING
	PENDANT MOUNTED LIGHTING FIXTURE	XX c	CEILING MOUNTED COMBINATION SPEAKER/STROBE LIGHT WITH A MULTI-CANDELA STROBE. "XX"=CANDELA RATING
	PENDANT MOUNTED EMERGENCY LIGHTING FIXTURE	XX c	CEILING MOUNTED STROBE-ONLY UNIT WITH A MULTI-CANDELA STROBE. "XX"=CANDELA RATING
	RECESSED LIGHTING FIXTURE	F	WALL MOUNTED FIRE ALARM MANUAL PULL STATION. MOUNT AT 48" AFF. PROVIDE WITH MANUAL STATION GUARD, STI "STOPPER II" OR EQUAL WHERE REQUIRED.
	RECESSED EMERGENCY LIGHTING FIXTURE		DATA/VOIP DATA PORT - PROVIDE (1)1-1/4"C UP TO ACCESSIBLE CEILING.
	INDUSTRIAL OR STRIP TYPE FIXTURE		DATA/VOIP DATA PORT - PROVIDE (1)1-1/4"C UP TO ACCESSIBLE CEILING.
	RECESSED DOWNLIGHT FIXTURE	AV	AUDIO VISUAL BACKBOX AND CONDUIT INFRASTRUCTURE. PROVIDE 2-GANG BOX WITH 2" RIGID CONDUIT UP TO ACCESSIBLE CEILING.
	RECESSED DOWNLIGHT EMERGENCY FIXTURE		
	SURFACE MOUNTED ROUND FIXTURE		
	SURFACE MOUNTED ROUND EMERGENCY FIXTURE		
	PENDANT HUNG LIGHTING FIXTURE		
	PENDANT HUNG EMERGENCY LIGHTING FIXTURE		
	WALL SCONCE		
	EMERGENCY WALL SCONCE		
	WALL MOUNTED LINEAR LIGHTING FIXTURE		
	WALL MOUNTED LINEAR EMERGENCY LIGHTING FIXTURE		

TECHNOLOGY DEVICE SCHEDULE

SYMBOL	DESCRIPTION	CONDUIT/ BACKBOX	CABLING	NOTES
(X)	DATA OUTLET	2-GANG BOX @ 18" AFF WITH 1-GANG MUD RING AND 1-1/4"C. STUBBED ABOVE ACCESSIBLE CEILING	(X) CAT.6 CABLES TO DATA PATCH PANEL (IF NOT TAGGED, PROVIDE 2 CABLES)	SUBSCRIPT "a" = 6" ABOVE COUNTER
(X,Y)	COMBINATION OUTLET	2-GANG BOX @ 18" AFF WITH 1-GANG MUD RING AND 1-1/4"C. STUBBED ABOVE ACCESSIBLE CEILING	(X) CAT.6 CABLES TO DATA PATCH PANEL (Y) CAT.6 CABLES TO VOIP PATCH PANEL (IF NOT TAGGED, PROVIDE 1 OF EACH)	
	WALL PHONE	2-GANG BOX @ 48" AFF WITH 1-GANG MUD RING AND 3/4"C. STUBBED ABOVE ACCESSIBLE CEILING	(1) CAT.6 CABLE TO VOIP PATCH PANEL	PROVIDE WITH STAINLESS STEEL RECESSED WALL PLATE FOR PHONE
POTS	POTS/ANALOG PHONE OUTLET	2-GANG BOX @ 48" AFF WITH 1-GANG MUD RING AND 3/4"C. STUBBED ABOVE ACCESSIBLE CEILING	(1) CAT.6 CABLE TO DEDICATED ANALOG PHONE PUNCHDOWN BLOCK OR PATCH PANEL IN NEAREST I.T. ROOM	
TV	CABLE TELEVISION OUTLET	2-GANG BOX @ 18" AFF WITH 1-GANG MUD RING AND 1-1/4"C. STUBBED ABOVE ACCESSIBLE CEILING	(1) RG6U COAXIAL CABLE TO BUILDING CATV DEMARCATION POINT	TERMINATE AT TYPE "F" CONNECTOR
AP	OUTLET FOR WIRELESS ACCESS POINT (WALL)	2-GANG BOX @ 96" AFF WITH 1-GANG MUD RING AND 1-1/4"C. STUBBED ABOVE ACCESSIBLE CEILING	(2) CAT.6 CABLES TO WIRELESS ACCESS PATCH PANEL	
AP	OUTLET FOR WIRELESS ACCESS POINT (CEILING)	2-GANG BACKBOX FLUSHED INTO CEILING. WHEN MOUNTED IN ACT CEILING PROVIDE TILE BRIDGE FOR SUPPORT. IN AREAS WITHOUT CEILING, BOX SHALL BE SURFACE MOUNTED TO STRUCTURE.	(2) CAT.6 CABLES TO WIRELESS ACCESS PATCH PANEL	TERMINATE AT TWO-PORT SURFACE BOX WITHIN BACKBOX, EQUAL TO SIEMON MX-SM2
TV	RECESSED BOX FOR MONITOR DISPLAY	2-GANG RECESSED BOX EQUAL TO LEGRAND TV1WTVSS @ 60" AFF WITH 1-1/4"C. STUBBED ABOVE ACCESSIBLE CEILING	(2) CAT.6 CABLES TO DATA PATCH PANEL	"TV" RECEPTACLE SHOWN ON PLANS SHALL BE MOUNTED IN SAME BACKBOX
AV 2	BOX AND CONDUIT INFRASTRUCTURE FOR AV	2-GANG RECESSED BOX @ 18" AFF WITH 2"C. STUBBED ABOVE ACCESSIBLE CEILING	CABLES BY OTHERS	ROUTE TO COAX DEMARC LOCATION SHOWN ON PLANS

GENERAL NOTES:
1. ALL CONDUITS SHALL STUB UP TO NEAREST ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE ON PLANS. PROVIDE BUSHINGS FOR ALL CONDUITS. WHERE DEVICES ARE LOCATED BELOW A WINDOW OR STOREFRONT STRUCTURE, CONDUITS SHALL RUN HORIZONTAL TO ACCESSIBLE WALL BEFORE STUBBING UP.
2. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
3. ALL FINISHES, COLORS AND COVER MATERIALS SHALL BE SELECTED BY ARCHITECT.
4. WHERE BACKBOXES ARE LOCATED IN A FIRE RATED WALL, PROVIDE FIRE RATED MOLDABLE PUTTY AROUND BOX, EQUAL TO 3M BARRIER MPP+
5. DATA CABLING SHALL BE ROUTED TO PATCH PANELS IN I.T. ROOMS INDICATED ON FLOOR PLANS. TERMINATE CABLING AT SPECIFIC PATCH PANELS INDICATED IN I.T. RACK ELEVATIONS.
6. CONTRACTOR SHALL LABEL EACH DEVICE TERMINATION POINT AND CORRESPONDING PATCH PANEL PORT WITH THE SAME, UNIQUE LABEL. REFER TO SPECIFICATIONS FOR MORE INFORMATION. ALL LABELS SHALL BE FINALIZED WITH AND APPROVED BY OWNER'S I.T. STAFF PRIOR TO INSTALLATION.
7. PROVIDE ALL NECESSARY CONNECTORS, ADAPTERS, KEYSTONES, ATTACHMENTS AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
8. TERMINATE ALL STRUCTURED CABLING CABLES IN RJ45 CONNECTORS UNLESS OTHERWISE NOTED.

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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

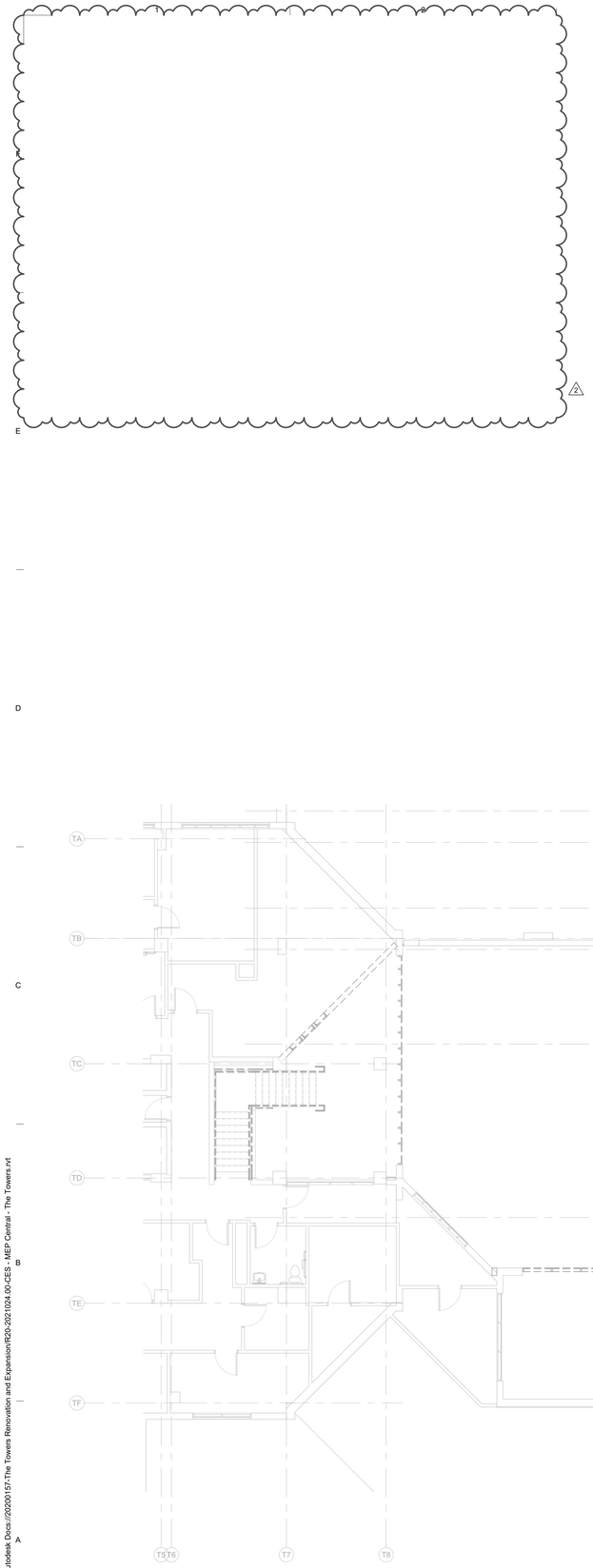
PROJECT NUMBER:
20200157

DRAWING TITLE:
ELECTRICAL ABBREVIATIONS, NOTES AND SYMBOLS

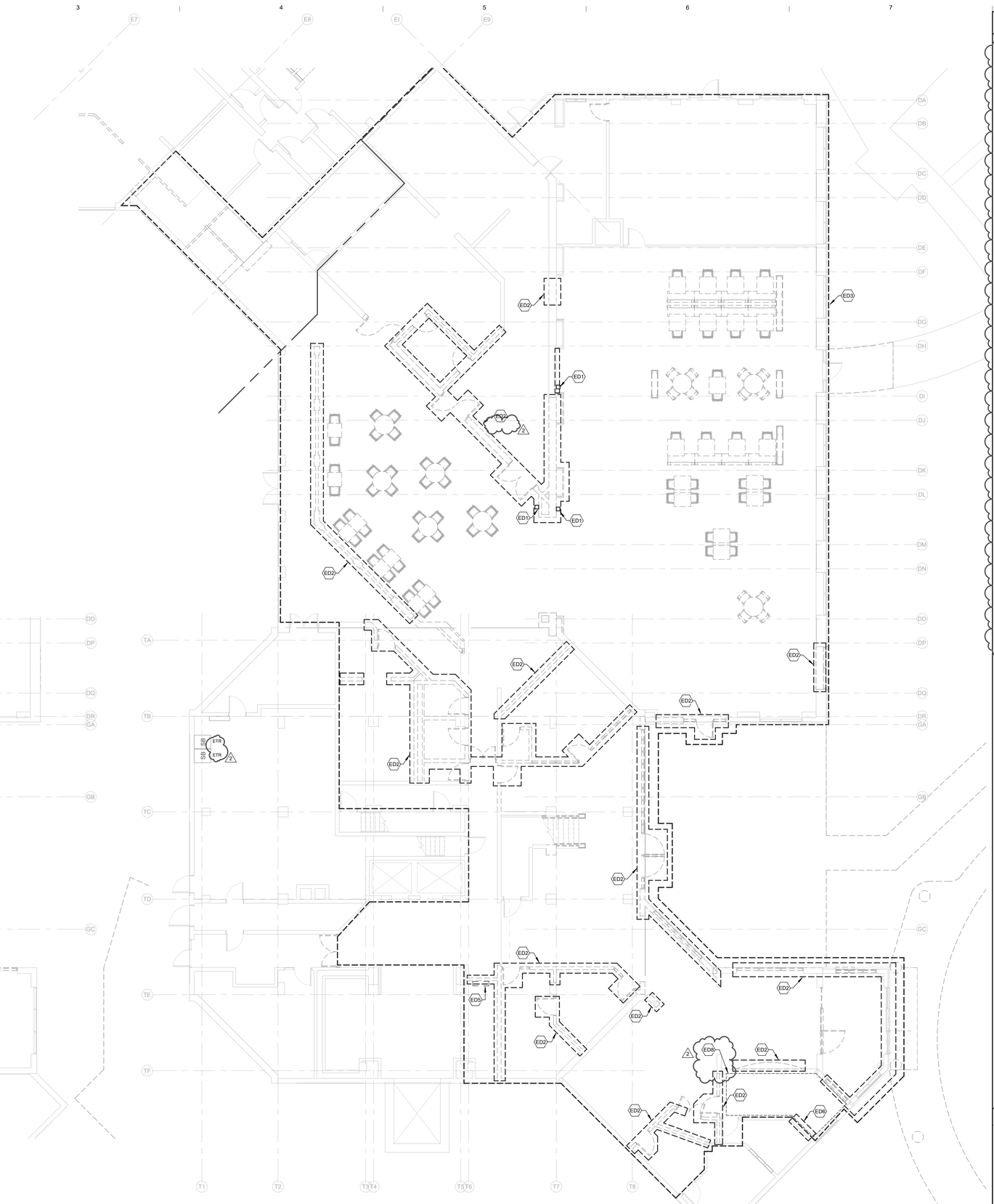
SCALE: **As indicated**
DRAWN BY: **MO**
DATE: **9/23/2022**
CHECKED BY: **VCM**

DRAWING NUMBER:
E0.00

10/12/2022 5:25:41 PM Autodesk Docs://20200157-The Towers Renovation and Expansion/R20-2021024.00-CES - MEP Central - The Towers.rvt



2 ELECTRICAL DEMOLITION - FIRST FLOOR SOUTH PLAN
1/8" = 1'-0"



1 ELECTRICAL DEMOLITION - GROUND FLOOR SOUTH
1/8" = 1'-0"

KEY NOTES - ELECTRICAL DEMOLITION

ED1 REMOVE EXISTING A/V INPUT DEVICES ALONG THIS WALL SPACE. REMOVAL SHALL INCLUDE WIRING, CABLING, AND RACEWAY BACK TO HEAD-END EQUIPMENT.

ED2 REMOVE POWER RECEPTACLES AND ELECTRICAL CONNECTIONS TO ALL EXISTING EQUIPMENT LOCATED ON THE WALL(S) BEING DEMOLISHED, INCLUDING BUT NOT LIMITED TO BACKBOXES, WIRING, AND ASSOCIATED RACEWAYS BACK TO SOURCE. CIRCUIT BREAKERS ASSOCIATED WITH THE REMOVED CIRCUITS SHALL REMAIN IN PLACE AND BE LABELED AS SPARES. VERIFY CIRCUIT ASSOCIATION WITH OTHER AREAS PRIOR TO DISCONNECTION. PROVIDE RE-WIRING AND/OR TEMPORARY FEED AS REQUIRED. (REFER TO ARCHITECTUAL DEMOLITION PLANS FOR ADDITIONAL INFORMATION)

ED3 REMOVE ALL LIGHTING FIXTURES IN THIS AREA INCLUDING LOCAL CONTROLS, EMERGENCY INVERTERS/ BATTERY PACKS, SELF-CONTAINED EMERGENCY LIGHT FIXTURESAND WIRING BACK TO SOURCE. CIRCUIT BREAKERS TO REMAIN FOR FUTURE USE. VERIFY CIRCUIT ASSOCIATION WITH OTHER AREAS IN THE BUILDING AND COORDINATE DISCONNECTION TO AVOID INTERRUPTION TO OTHER AREAS IN THE BUILDING. PROVIDE TEMPORARY ELECTRICAL FEED AS REQUIRED.

ED4 LIGHTING AND LIGHTING CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.

ED5 DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL PANEL AT THIS APPROXIMATE LOCATION. EXISTING FIRE ALARM LOOPS AND POWER FEED TO REMAIN. PROTECT WIRING IN PLACE DURING CONSTRUCTION AND MAKE SAFE FOR EXTENSION AND RECONNECTION TO NEW LOCATION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECTION, TEMPORARY FEEDS, ETC. WITH THE BUILDING OWNER TO MAINTAIN LIFE SAFETY PROTECTION DURING DEMOLITION.

ED6 DISCONNECT AND REMOVE EXISTING FIRE ALARM REMOTE ANNUNCIATORS (TOWER ONE AND EAST) AT THIS APPROXIMATE LOCATION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECTION, TEMPORARY FEEDS, ETC. WITH THE BUILDING OWNER TO MAINTAIN LIFE SAFETY PROTECTION DURING DEMOLITION.

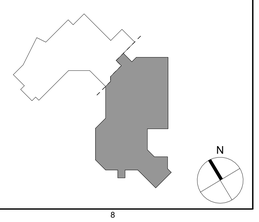
ED7 REMOVE ELECTRICAL CONNECTION TO THE EXISTING AUTOMATIC DOOR AND AIR CURTAIN EQUIPMENT AT THIS APPROXIMATE LOCATION. REMOVAL SHALL INCLUDE WIRING, HANGER, RACEWAY, ETC. BACK TO SOURCE.

ED8 DEMOLITION OF CONTROL PANELS, SWITCHES, AND COMMUNICATION DEVICES IN THIS ROOM
1. COORDINATE THE REMOVAL OF SECURITY OFFICE MONITORING DEVICES IN THIS ROOM ASSOCIATED WITH DOOR CONTROLS, INTERCOM, AND STATUS PANELS. INTENT IS FOR THE DEVICES TO BE REMOVED FOR FUTURE INSTALLATION AT NEW LOCATION. WIRING SERVING ASSOCIATED SYSTEMS SHALL BE PROTECTED IN PLACE FOR FUTURE RECONNECTION. CONTRACTOR RESPONSIBLE FOR STORING DEVICES OR COORDINATING STORAGE WITH OWNER.

DEMOLITION NOTES - ELECTRICAL

1. ALL ELECTRICAL DEVICES SHALL REMAIN UNLESS OTHERWISE NOTED OR UNLESS LOCATED ON WALLS BEING DEMOLISHED (SEE DEMOLITION KEYNOTE 2). DEVICES TAGGED "ETR" ARE EXISTING TO REMAIN AND SHOWN FOR COORDINATION PURPOSES ONLY.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL ITEMS TO BE REMOVED IN A SAFE, LEGAL AND RESPONSIBLE MANNER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND HANDLING OF EXISTING TO BE RELOCATED EQUIPMENT.
4. CONTRACTOR SHALL MODIFY EXISTING POWER AND FIRE ALARM CIRCUITS, WHEN EXISTING DEVICES ARE REMOVED, AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY.
5. THIS PLAN IS DIAGRAMMATIC AND NOT INTENDED TO DEPICT THE ENTIRE SCOPE OF ELECTRICAL DEMOLITION. ADDITIONAL DEMOLITION AND MODIFICATION WORK NOT SHOWN SHOULD BE ANTICIPATED.
6. THIS PROJECT COMPRISES ALTERATIONS AND RENOVATIONS TO THE EXISTING BUILDING. THE EXISTING BUILDING IS CURRENTLY OCCUPIED AND THE PROJECT WILL PROCEED IN A MANNER WHICH WILL MINIMIZE ANY INCONVENIENCE TO THE BUILDING OCCUPANTS.
7. PRIOR TO SUBMITTING BID, VISIT SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY IDENTIFIED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.

KEYPLAN



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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

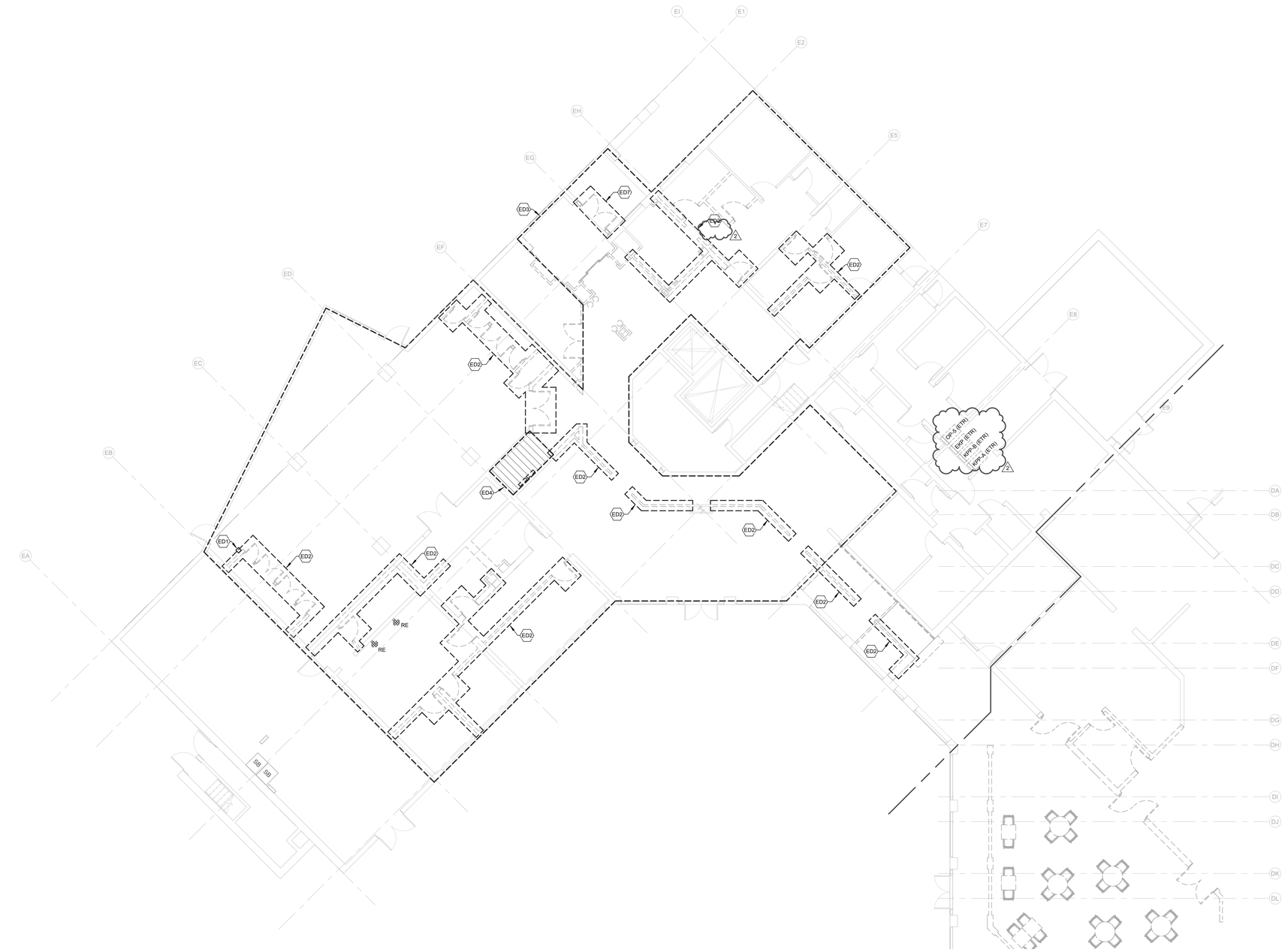
PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND & FIRST FLOOR SOUTH - ELECTRICAL DEMOLITION PLAN

SCALE:	DRAWN BY:
As indicated	MO
DATE: 9/23/2022	CHECKED BY: VCM

DRAWING NUMBER:
ED1.01

10/12/2022 5:25:45 PM Autodesk Docs://202001157-The Towers Renovation and Expansion/R20-20210124.00-CES - MEP Central - The Towers.rvt



1 ELECTRICAL DEMOLITION - GROUND FLOOR NORTH
1/8" = 1'-0"

KEY NOTES - ELECTRICAL DEMOLITION

ED1 REMOVE EXISTING A/V INPUT DEVICES ALONG THIS WALL SPACE. REMOVAL SHALL INCLUDE WIRING, CABLING, AND RACEWAY BACK TO HEAD-END EQUIPMENT.

ED2 REMOVE POWER RECEPTACLES AND ELECTRICAL CONNECTIONS TO ALL EXISTING EQUIPMENT LOCATED ON THE WALL(S) BEING DEMOLISHED, INCLUDING BUT NOT LIMITED TO BACKBOXES, WIRING, AND ASSOCIATED RACEWAYS BACK TO SOURCE. CIRCUIT BREAKERS ASSOCIATED WITH THE REMOVED CIRCUITS SHALL REMAIN IN PLACE AND BE LABELED AS SPARES. VERIFY CIRCUIT ASSOCIATION WITH OTHER AREAS PRIOR TO DISCONNECTION. PROVIDE RE-WIRING AND/OR TEMPORARY FEED AS REQUIRED. (REFER TO ARCHITECTUAL DEMOLITION PLANS FOR ADDITIONAL INFORMATION)

ED3 REMOVE ALL LIGHTING FIXTURES IN THIS AREA INCLUDING LOCAL CONTROLS, EMERGENCY INVERTERS/ BATTERY PACKS, SELF-CONTAINED EMERGENCY LIGHT FIXTURESAND WIRING BACK TO SOURCE. CIRCUIT BREAKERS TO REMAIN FOR FUTURE USE. VERIFY CIRCUIT ASSOCIATION WITH OTHER AREAS IN THE BUILDING AND COORDINATE DISCONNECTION TO AVOID INTERRUPTION TO OTHER AREAS IN THE BUILDING. PROVIDE TEMPORARY ELECTRICAL FEED AS REQUIRED.

ED4 LIGHTING AND LIGHTING CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.

ED5 DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL PANEL AT THIS APPROXIMATE LOCATION. EXISTING FIRE ALARM LOOPS AND POWER FEED TO REMAIN. PROTECT WIRING IN PLACE DURING CONSTRUCTION AND MAKE SAFE FOR EXTENSION AND RECONNECTION TO NEW LOCATION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECTION, TEMPORARY FEEDS, ETC. WITH THE BUILDING OWNER TO MAINTAIN LIFE SAFETY PROTECTION DURING DEMOLITION.

ED6 DISCONNECT AND REMOVE EXISTING FIRE ALARM REMOTE ANNUNCIATORS (TOWER ONE AND EAST) AT THIS APPROXIMATE LOCATION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECTION, TEMPORARY FEEDS, ETC. WITH THE BUILDING OWNER TO MAINTAIN LIFE SAFETY PROTECTION DURING DEMOLITION.

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DEMOLITION NOTES - ELECTRICAL

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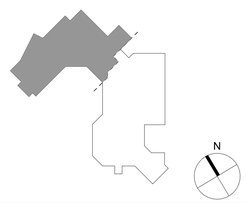
KEYPLAN



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CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR NORTH - ELECTRICAL DEMOLITION PLAN

SCALE:	DRAWN BY:
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DATE: 9/23/2022	CHECKED BY: VCM

DRAWING NUMBER:
ED1.02

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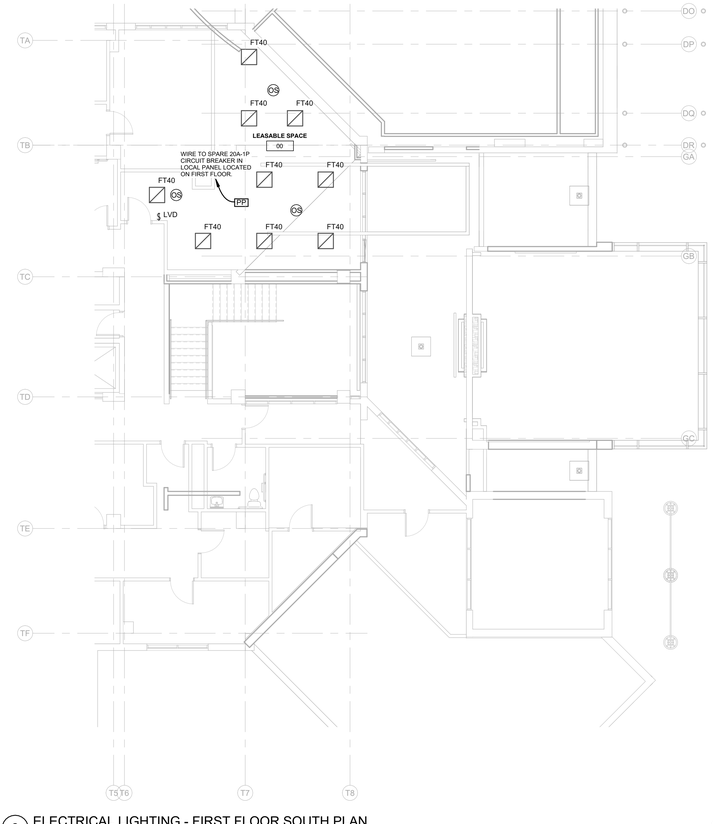
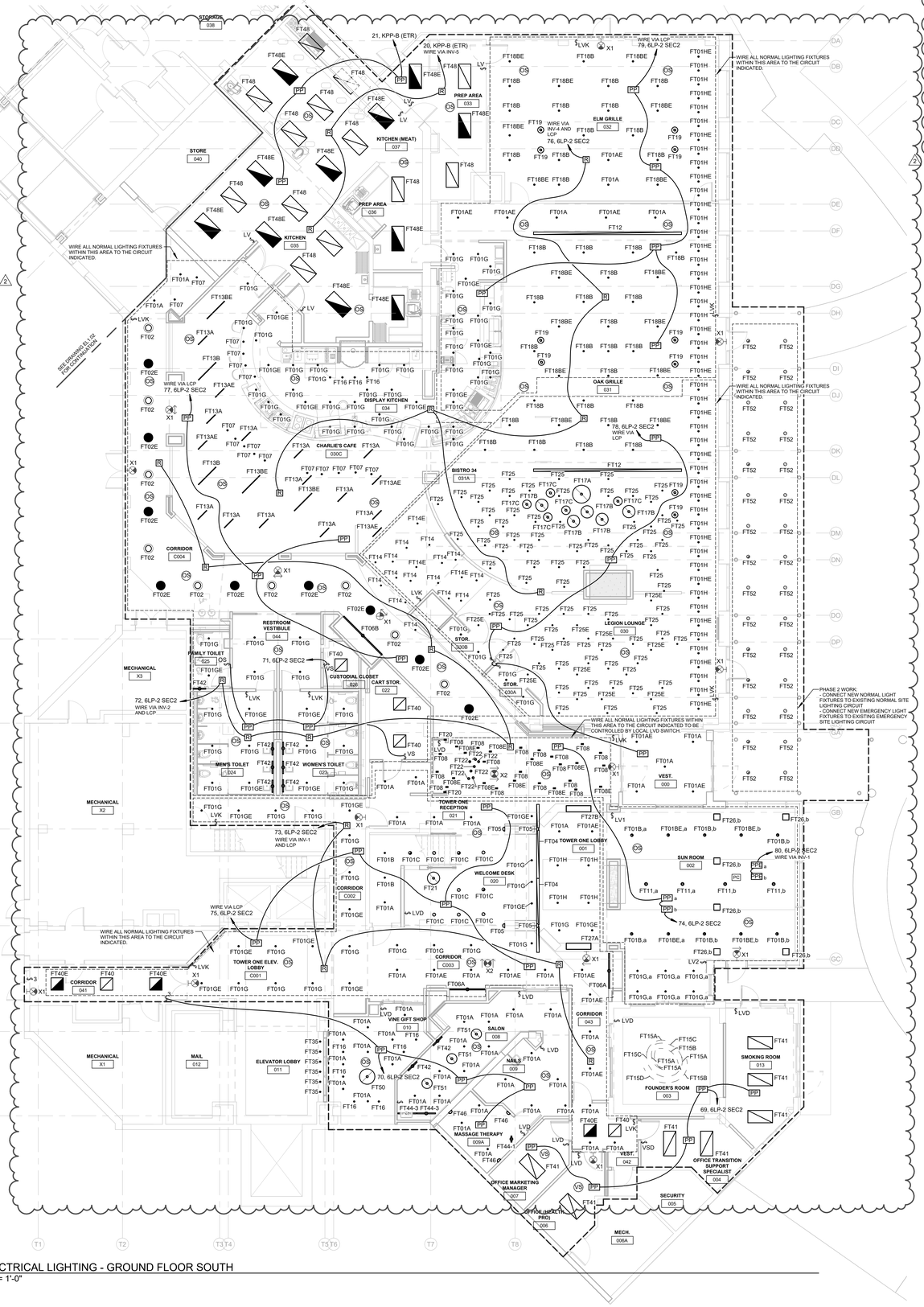


2 ELECTRICAL LIGHTING - FIRST FLOOR SOUTH PLAN
1/8" = 1'-0"



1 ELECTRICAL LIGHTING - GROUND FLOOR SOUTH
1/8" = 1'-0"

GENERAL NOTES - ELECTRICAL

1. ALL CIRCUITS SHALL BE 2#12,#12G.,3/4"C., TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
2. ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10,#10G., 3/4"C. UNLESS NOTED OTHERWISE.
3. ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
4. REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
5. REFER TO DRAWING E0.00 FOR ELECTRICAL SYMBOLS, LEGENDS, ABBREVIATIONS, AND TECHNOLOGY DEVICE SCHEDULE.
6. REFER TO DRAWING E6.00 FOR LIGHTING FIXTURE SCHEDULE
7. PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALL RATINGS.
8. ALL RECEPTACLES LOCATED WITHIN 6' FROM SINKS SHALL BE GFCI TYPE.
9. EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.

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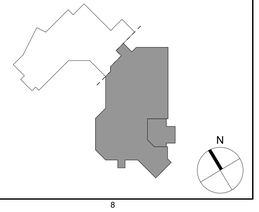
NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4
1	10/4/2022	ADDENDUM #2

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

KEYPLAN



DRAWING TITLE:
GROUND & FIRST FLOOR SOUTH - ELECTRICAL LIGHTING PLAN

SCALE:	DRAWN BY:
As indicated	MO
DATE: 9/23/2022	CHECKED BY: VCM

DRAWING NUMBER:
EL1.01

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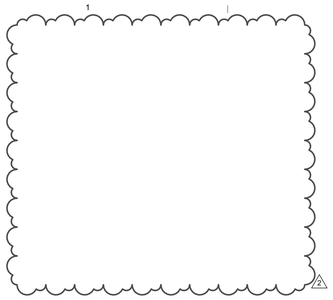
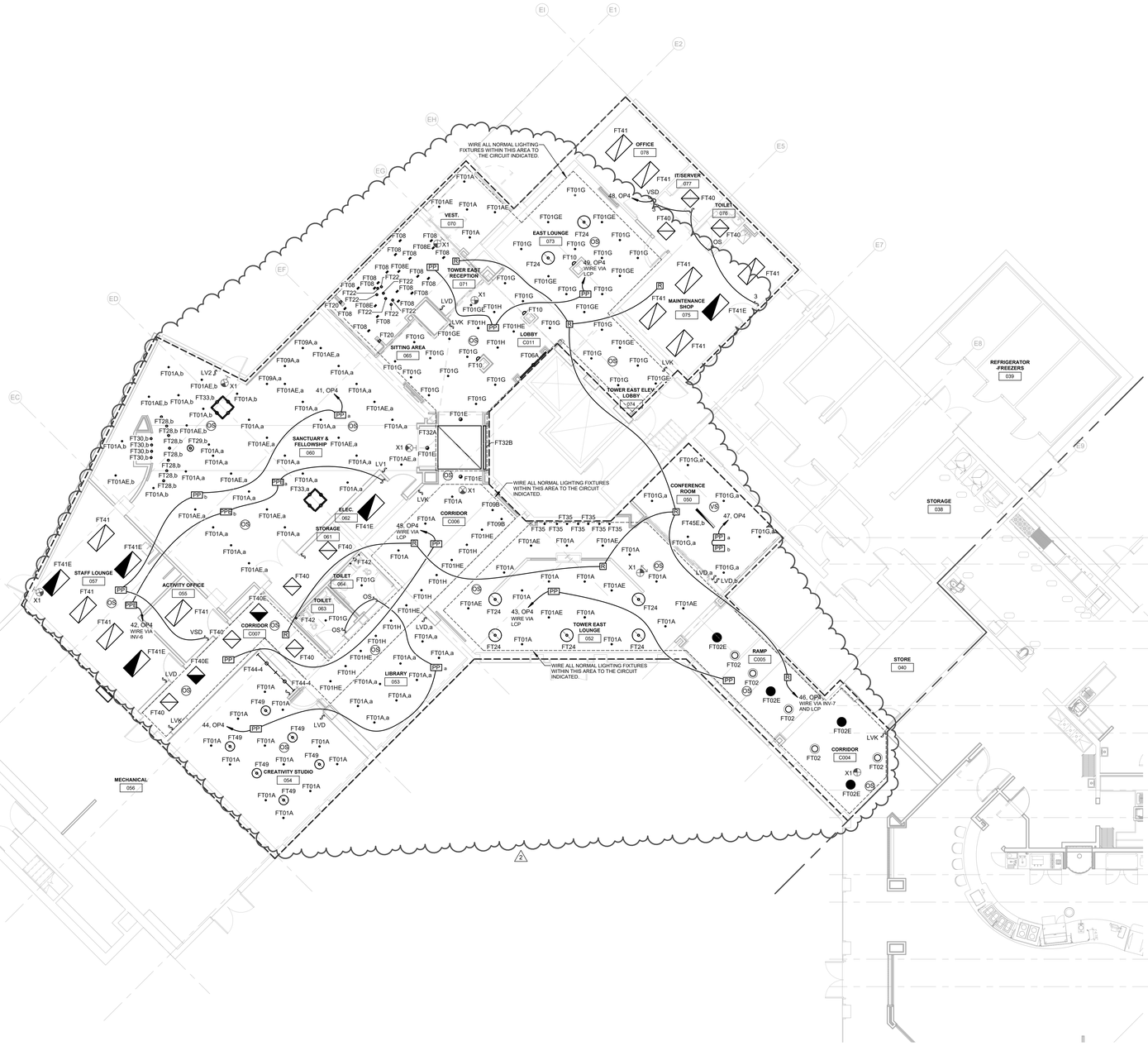


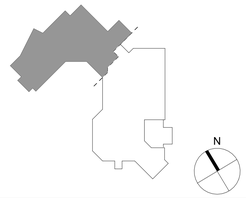


1 ELECTRICAL LIGHTING - GROUND FLOOR NORTH
1/8" = 1'-0"

GENERAL NOTES - ELECTRICAL

1. ALL CIRCUITS SHALL BE 2#12,#12G.,3/4"C., TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
2. ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10,#10G., 3/4"C. UNLESS NOTED OTHERWISE.
3. ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
4. REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
5. REFER TO DRAWING E0.00 FOR ELECTRICAL SYMBOLS, LEGENDS, ABBREVIATIONS, AND TECHNOLOGY DEVICE SCHEDULE.
6. REFER TO DRAWING E6.00 FOR LIGHTING FIXTURE SCHEDULE
7. PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALL RATINGS.
8. ALL RECEPTACLES LOCATED WITHIN 6' FROM SINKS SHALL BE GFCI TYPE.
9. EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.

KEYPLAN



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PHASE:
CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4
1	10/4/2022	ADDENDUM #2

PROJECT NAME:
THE TOWERS

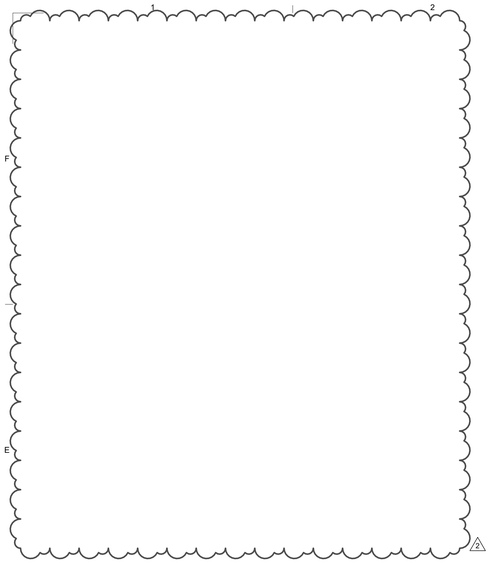
PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

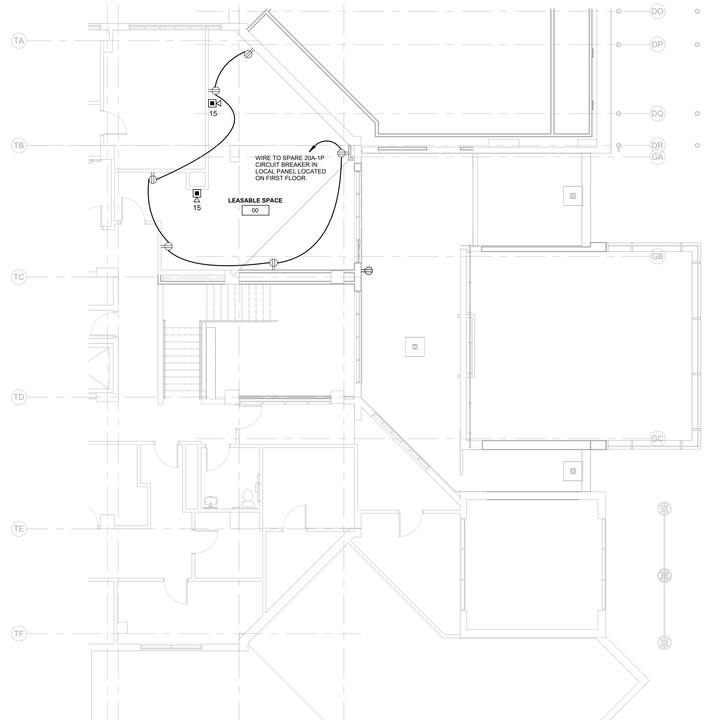
PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR NORTH - ELECTRICAL LIGHTING PLAN

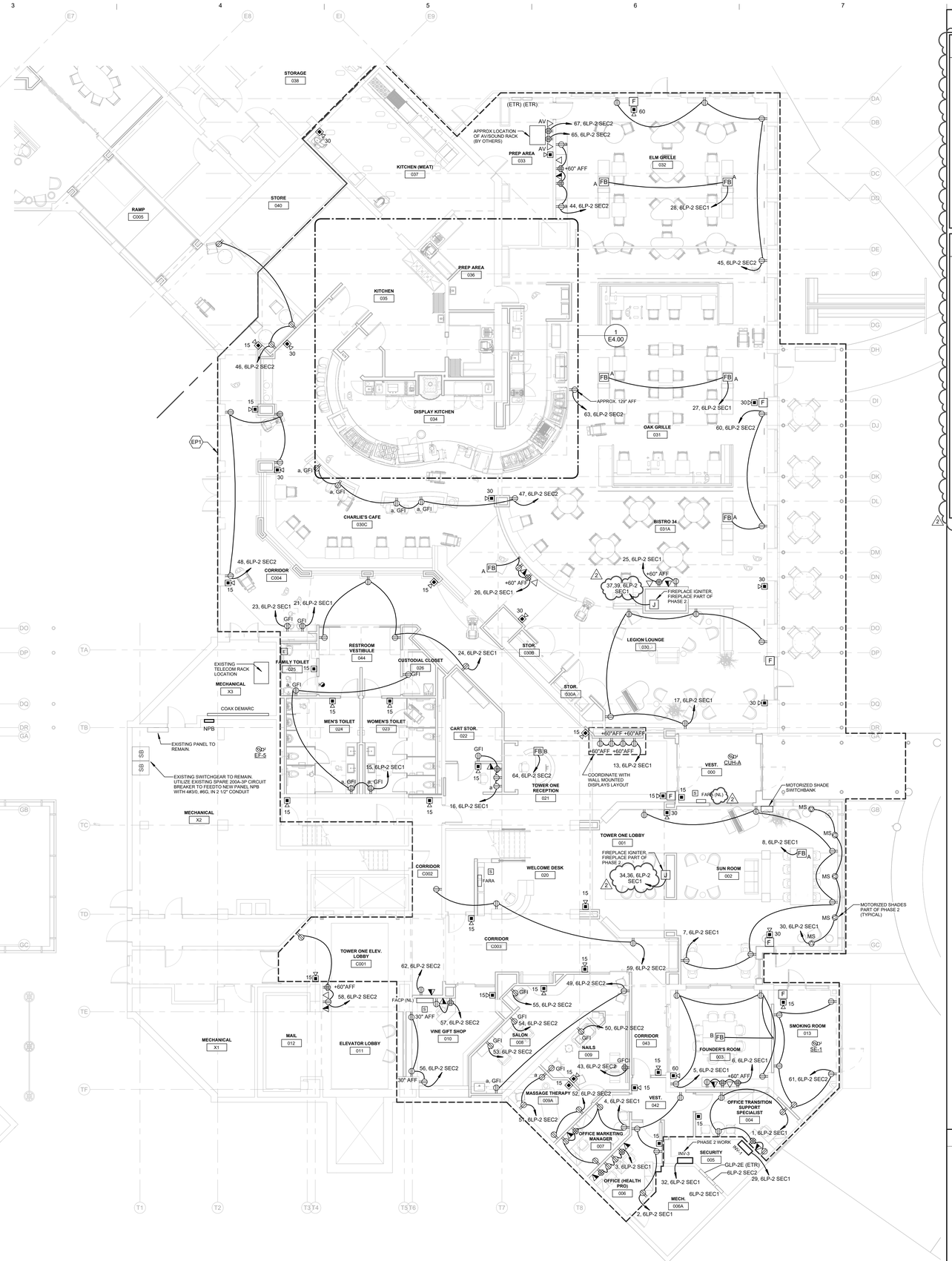
SCALE: **As indicated**
DRAWN BY: **MO**
DATE: **9/23/2022**
CHECKED BY: **VCM**
DRAWING NUMBER:
EL1.02

10/12/2022 5:26:08 PM Autodesk Docs://20200157-The Towers Renovation and Expansion/R20-20210204.00-CES - MEP Central - The Towers.rvt





2 ELECTRICAL POWER - FIRST FLOOR SOUTH PLAN
1/8" = 1'-0"



1 ELECTRICAL POWER - GROUND FLOOR SOUTH
1/8" = 1'-0"

GENERAL NOTES - ELECTRICAL

1. ALL CIRCUITS SHALL BE 2#12,#12G.,3/4"C., TO NEW 20A-1P CIRCUIT BREAKER IN PANEL INDICATED UNLESS NOTED OTHERWISE.
2. ALL BRANCH CIRCUITS EXCEEDING 150' IN LENGTH SHALL BE 2#10,#10G., 3/4"C. UNLESS NOTED OTHERWISE.
3. ALL DEVICES SHALL BE LABELED WITH SOURCE PANEL AND CIRCUIT NUMBER(S).
4. REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED ELECTRICAL DEVICES.
5. REFER TO DRAWING E0.00 FOR ELECTRICAL SYMBOLS, LEGENDS, ABBREVIATIONS, AND TECHNOLOGY DEVICE SCHEDULE.
6. REFER TO DRAWING E6.00 FOR LIGHTING FIXTURE SCHEDULE
7. PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE WALLS OR SMOKE BARRIERS AS REQUIRED. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALL RATINGS.
8. ALL RECEPTACLES LOCATED WITHIN 6' FROM SINKS SHALL BE GFCI TYPE.
9. EXIT SIGNS SHALL BE WIRED TO LINE SIDE OF LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF ALL SWITCHING DEVICES.

KEY NOTES - ELECTRICAL POWER

EP1 THE EXISTING FIRE ALARM SYSTEM FOR TOWER EAST AND TOWER ONE TO BE MODIFIED IN THIS AREA. FIRE ALARM DEVICES MODIFICATIONS AND/OR ADDITIONS SHALL BE PROVIDED TO MEET THE REQUIREMENTS SET BY THE LATEST APPLICABLE VERSION OF THE INTERNATIONAL BUILDING CODE (IBC), NFPA 72 AND NFPA 101. PROVIDE ADDITIONAL CABINETS, EXPANSION CARDS, WIRING, TRANSPONDERS, AND BOOSTER PANELS, AS REQUIRED.

FIRE ALARM WORK SHALL BE PROVIDED AS FOLLOWS:

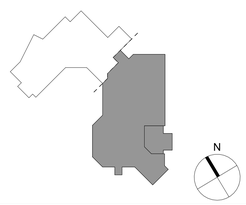
TOWER EAST

- *FIRE ALARM DEVICES IN TOWER EAST SHALL BE FED FROM THE EXISTING FIRE ALARM CONTROL PANEL LOCATED IN THE EXISTING MAIN ELECTRICAL ROOM (SIMPLEX 4100ES).*
- EXISTING DEVICES SHALL BE RELOCATED TO THE GREATEST EXTENT POSSIBLE.
- NEW DEVICES SHALL BE PROVIDED IF QUANTITY OF EXISTING DEVICES IS NOT SUFFICIENT OR IF DETERMINED THAT THE PERFORMANCE OF THE EXISTING DEVICE WILL NOT PROVIDE PROPER COVERAGE.
- PROVIDE FIRE ALARM CONNECTION TO ALL OTHER BUILDING SYSTEMS AFFECTED BY FUTURE WORK (I.E. ACCESS CONTROL).

TOWER ONE

- *FIRE ALARM DEVICES IN TOWER ONE SHALL BE FED FROM THE EXISTING FIRE ALARM CONTROL PANEL LOCATED IN THE LOBBY AREA AS SHOWN ON PLANS (HONEYWELL FIRE LITE MS-9600UDLS).*
- EXISTING DEVICES SHALL BE RELOCATED TO THE GREATEST EXTENT POSSIBLE.
- NEW DEVICES SHALL BE PROVIDED IF QUANTITY OF EXISTING DEVICES IS NOT SUFFICIENT OR IF DETERMINED THAT THE PERFORMANCE OF THE EXISTING DEVICE WILL NOT PROVIDE PROPER COVERAGE.
- PROVIDE CONNECTION OF THE FIRE ALARM SYSTEM TO THE FIRE SUPPRESION SYSTEM LOCATED IN THE NEW DISPLAY KITCHEN.
- PROVIDE CONNECTION OF THE FIRE ALARM SYSTEM TO NEW FIRE SMOKE DAMPERS.
- PROVIDE FIRE ALARM CONNECTION TO ALL OTHER BUILDING SYSTEMS AFFECTED BY FUTURE WORK (I.E. ACCESS CONTROL, AV SOUND SYSTEM).

KEYPLAN



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NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4
1	10/4/2022	ADDENDUM #2

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND & FIRST FLOOR SOUTH - ELECTRICAL POWER PLAN

SCALE: **As indicated**
DRAWN BY: **MO**
DATE: **9/23/2022**
CHECKED BY: **VCM**
DRAWING NUMBER:
EP1.01

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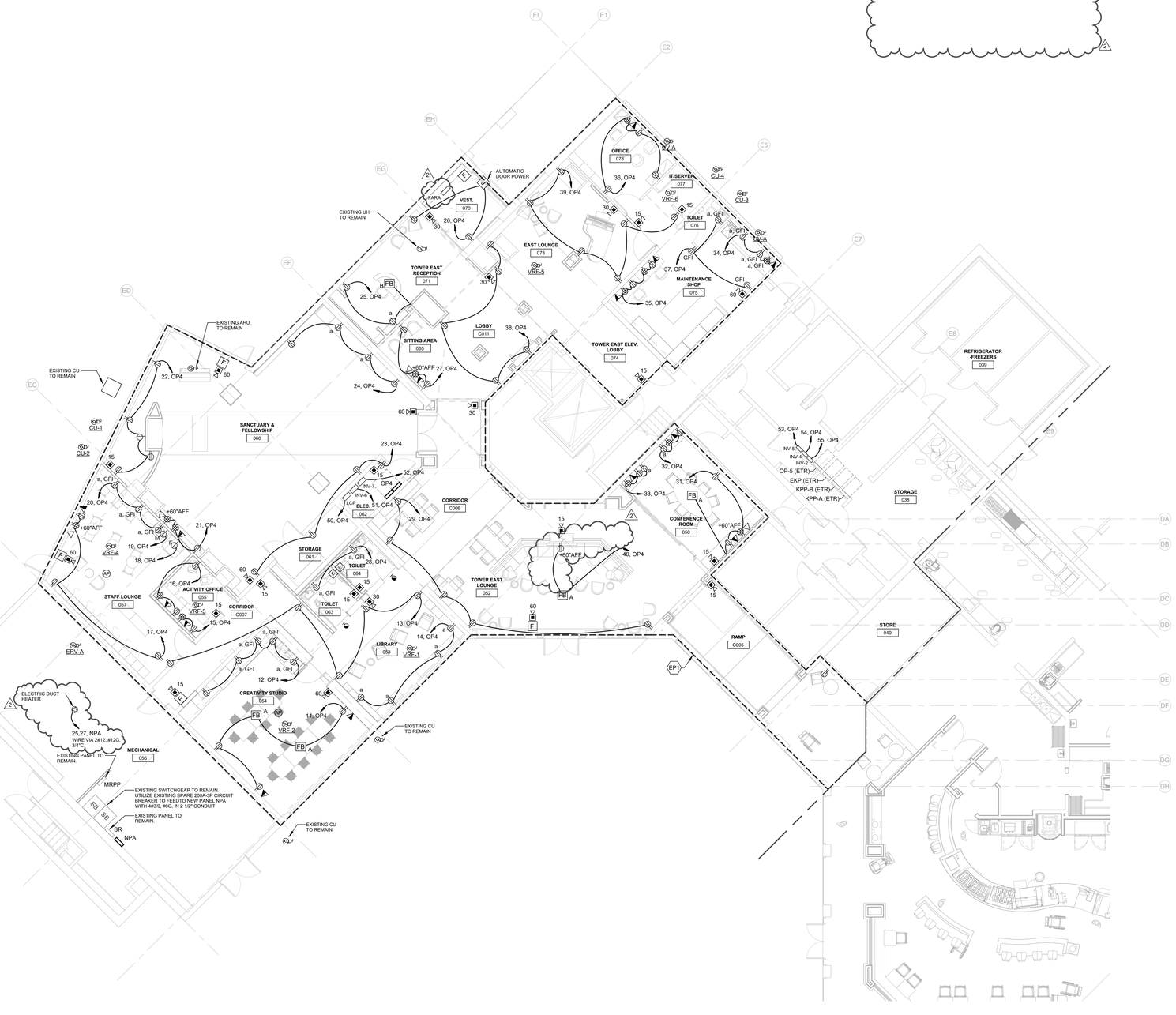

1 ELECTRICAL POWER - GROUND FLOOR NORTH
1/8" = 1'-0"

GENERAL NOTES - ELECTRICAL

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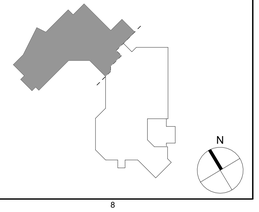

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1	10/4/2022	ADDENDUM #2

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR NORTH - ELECTRICAL POWER PLAN

SCALE: **As indicated**
DRAWN BY: **MO**
DATE: **9/23/2022**
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DRAWING NUMBER:
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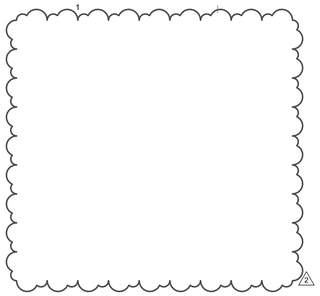

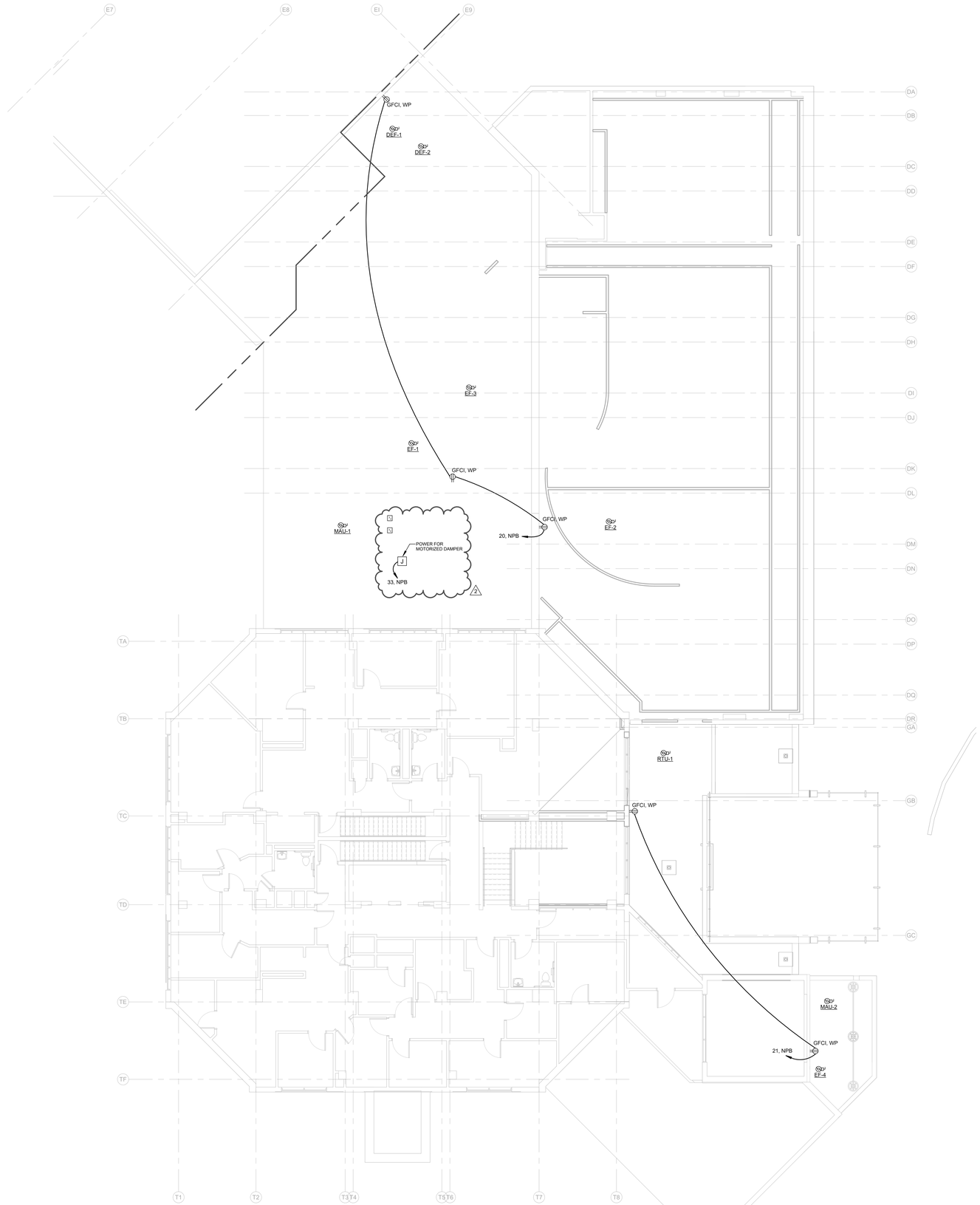

1 ELECTRICAL POWER - GROUND FLOOR ROOF SOUTH
1/8" = 1'-0"

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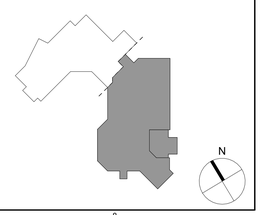

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NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
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PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
GROUND FLOOR ROOF SOUTH - ELECTRICAL POWER PLAN

SCALE: **As indicated**
DRAWN BY: **MO**
DATE: **9/23/2022**
CHECKED BY: **VCM**

DRAWING NUMBER:
EP1.11

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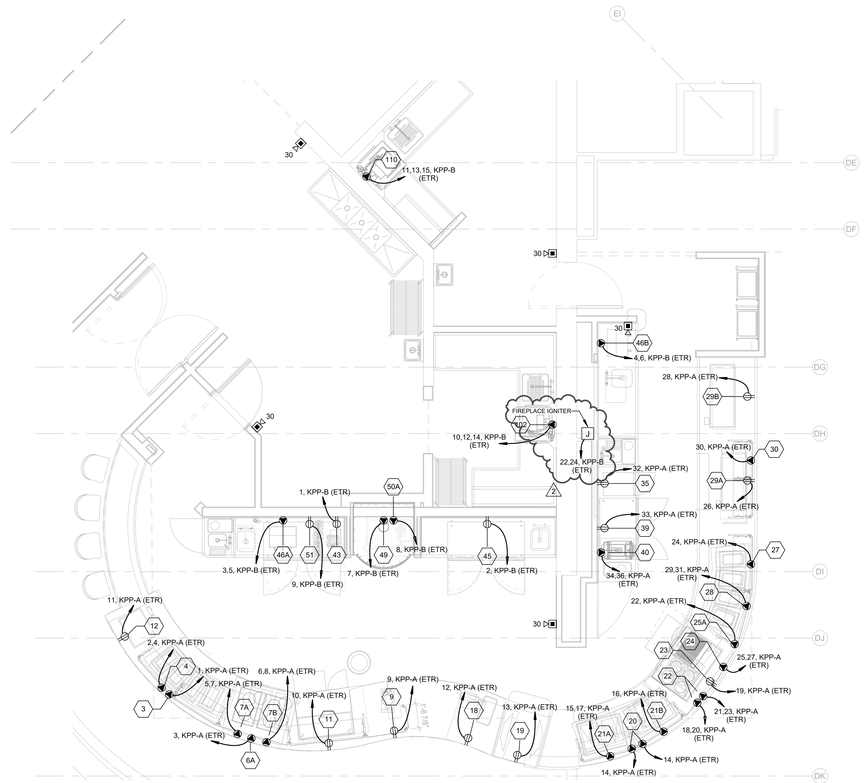


1 ENLARGED DISPLAY KITCHEN EQUIPMENT PLAN
1/4" = 1'-0"

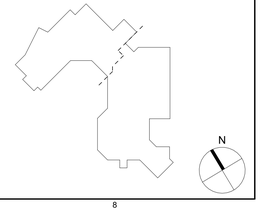
ELECTRICAL KITCHEN EQUIPMENT SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	ELECTRICAL DATA V	PH	HP	KW	AMP	SOURCE PANEL	CIRCUIT BREAKER	WIRE AND CONDUIT	CONNECTION	DISCONNECT SWITCH	REMARKS
3	1	SNEEZE GUARD WITH HEAT AND LIGHTS	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	1PTS	-
4	1	DROP-IN HOT WELLS	208	1	-	4.0	-	-	25A/2P	2#10, #10G, 3/4"C	DIRECT CONNECTION	2PTS	SEE REMARK 1
6A	1	EXHAUST HOOD - LIGHTS & CONTROLS	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	1PTS	
7A	1	INDUCTION RANGE, DROP-IN	208	1	-	5.8	-	-	40A/2P	2#8, #10G, 1"C	6-50R	N/A	SEE REMARK 1
7B	1	INDUCTION RANGE, DROP-IN	208	1	-	5.8	-	-	40A/2P	2#8, #10G, 1"C	6-50R	N/A	SEE REMARK 1
9	1	WAFFLE BAKER	120	1	-	0.9	7.5	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	SEE REMARK 1
11	1	REFRIGERATOR, PIZZA PREP	120	1	-	-	6.2	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	SEE REMARK 1
12	1	UNDERCOUNTER REFRIGERATOR	120	1	-	-	2.46	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	SEE REMARK 1
18	1	POS SYSTEM	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	5-15R	N/A	SEE REMARKS 1,2
19	1	REFRIGERATED SERVICE / SELF SERVICE MERCHANDISER	120	1	-	-	14.7	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	SEE REMARK 1
20	2	SNEEZE GUARD WITH HEAT AND LIGHTS	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	1PTS	
21A	1	DROP-IN HOT/COLD WELL	208	1	-	3.0	12.5	-	20A/2P	2#12, #12G, 3/4"C	DIRECT CONNECTION	2PTS	SEE REMARK 1
21B	1	DROP-IN HOT/COLD WELL	120	1	-	-	2.8	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	2PTS	SEE REMARK 1
22	1	INDUCTION RANGE (2)	(2) 208	(2) 1	-	(2) 24	-	-	(2) 30A/2P	(2) 2#10, #10G, 3/4"C	(2) 6-30R	N/A	SEE REMARK 1
23	1	GRIDDLE STAND, REFRIGERATOR	120	1	-	-	7.5	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	SEE REMARK 1
24	1	CHARBROILER	208	1	-	6.6	31.8	-	40A/2P	3#8, #8G, 1"C	DIRECT CONNECTION	3PTS	SEE REMARK 1
25A	1	EXHAUST HOOD - LIGHTS & CONTROLS	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	1PTS	
27	1	SNEEZE GUARD WITH HEAT AND LIGHTS	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	1PTS	
28	1	DROP-IN HOT WELLS	208	1	-	4.0	-	-	25A/2P	2#10, #10G, 3/4"C	DIRECT CONNECTION	2PTS	SEE REMARK 1
29A	1	DROP-IN HEATED GLASS SHELF	120	1	-	.85	7.1	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	SEE REMARK 1
29B	1	DROP-IN HEATED GLASS SHELF	120	1	-	.85	7.1	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	SEE REMARK 1
30	1	SNEEZE GUARD WITH HEAT AND LIGHTS	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	1PTS	
35	1	CABINET, MOBILE, WARMING & HOLDING	120	1	-	1.0	8.4	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	
39	1	UNDERCOUNTER REFRIGERATOR	120	1	-	-	2.5	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	
40	1	HIGH SPEED PANINI GRILL	208	1	-	5.0	26	-	30A/2P	2#10, #10G, 3/4"C	6-30R	N/A	
43	1	BEVERAGE BLENDER	120	1	-	-	15	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	
45	1	UNDERCOUNTER REFRIGERATOR	120	1	-	-	2.5	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	
46A	1	COFFEE MAKER	208	1	-	4.6	22	-	30A/2P	3#10, #10G, 3/4"C	DIRECT CONNECTION	2PTS	
46B	1	COFFEE MAKER	208	1	-	4.6	22	-	30A/2P	3#10, #10G, 3/4"C	DIRECT CONNECTION	2PTS	
49	1	OVEN	120	1	-	-	2	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	1PTS	
50A	1	EXHAUST HOOD - LIGHTS & CONTROLS	120	1	-	-	-	-	20A/1P	2#12, #12G, 3/4"C	DIRECT CONNECTION	N/A	
51	1	UNDERCOUNTER REFRIGERATOR	120	1	-	-	2.5	-	20A/1P	2#12, #12G, 3/4"C	5-20R	N/A	
102	1	DISHMACHINE - VENTLESS	208	3	-	-	45.4	-	60A/3P	3#6, #10G, 1"C	DIRECT CONNECTION	N/A	
110	1	DISHMACHINE - VENTLESS	208	3	-	-	45.4	-	60A/3P	3#6, #10G, 1"C	DIRECT CONNECTION	N/A	

GENERAL NOTES:
1. ABBREVIATIONS:
   - S.T. = SHUNT TRIP CIRCUIT BREAKER WIRED BY E.C.
   - FSC = FOOD SERVICE CONTRACTOR
   - KEC = KITCHEN EQUIPMENT CONTRACTOR
   - C.O. = CONVENIENCE OUTLET. ALL RECEPTACLE SHALL BE GFCI TYPE. "a" INDICATES ABOVE COUNTER
   - C&P = CORD & PLUG
2. COORDINATE ALL CONNECTION TYPES, MOUNTING HEIGHTS, STUB-UP AND DEVICE LOCATIONS AND OTHER ELECTRICAL REQUIREMENTS WITH KEC AND FOOD SERVICE ROUGH-IN PLANS PRIOR TO ROUGH-IN.
3. PROVIDE FINAL CONNECTIONS TO ALL PIECES OF EQUIPMENT SPECIFIED WITH DISCONNECT SWITCHES OR DIRECT CONNECTIONS.
4. ALL NEMA 5-15R AND 5-20R RECEPTACLES IN KITCHEN AND/OR SERVERY (INCLUDING CONVENIENCE RECEPTACLES SHOWN ON PLAN) SHALL BE DUPLEX GFCI-TYPE, UNLESS INDICATED TO HAVE GFCI CIRCUIT BREAKER IN THIS SCHEDULE.
5. ALL RECEPTACLES OTHER THAN NEMA 5-15R AND 5-20R SHALL BE PROTECTED BY A GFCI BREAKER IN SOURCE PANELBOARD.
6. ALL DISCONNECT SWITCHES SHALL BE NEMA 3R RATED.
   - 1PTS = 1-POLE TOGGLE SWITCH. SWITCH RATING SHALL MATCH THAT OF OVERCURRENT DEVICE AND EQUIPMENT.
   - 2PTS = 2-POLE TOGGLE SWITCH. SWITCH RATING SHALL MATCH THAT OF OVERCURRENT DEVICE AND EQUIPMENT.
   - 3PTS = 3-POLE/ 3-PHASE TOGGLE SWITCH. SWITCH RATING SHALL MATCH THAT OF OVERCURRENT DEVICE AND EQUIPMENT.

REMARKS:
1. MOUNT ASSOCIATED JUNCTION BOX/ RECEPTACLE IN AN ACCESSIBLE LOCATION WITHIN MILLWORK CABINETRY
2. PROVIDE (1) SINGLE GANG BACKBOX WITH 3/4" CONDUIT AND NYLON PULLSTRING UP TO ACCESSIBLE CEILING FOR FUTURE DATA PROVISIONS. MOUNT ADJACENT TO THE ASSOCIATED EQUIPMENT POWER RECEPTACLE/ JUNCTION BOX.

KEYPLAN



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PHASE:
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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ELECTRICAL ENLARGED PLAN - KITCHEN

SCALE: **As indicated**
DRAWN BY: **MO**
DATE: **9/23/2022**
CHECKED BY: **VCM**

DRAWING NUMBER:
E4.00

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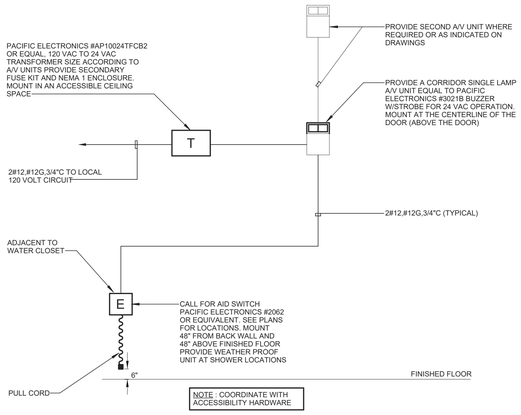
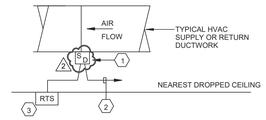


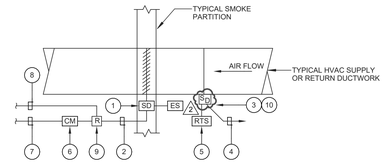
1 EMERGENCY CALL-FOR-AID SYSTEM SINGLE BATHROOM
NTS



NOTES:

1. DUCT SMOKE DETECTOR SHALL BE FURNISHED BY DIVISION 28 AND INSTALLED BY DIVISION 23. WIRING BY DIV.28. DETECTOR SHALL BE INSTALLED WITHIN 60" OF AIR INLET SIDE OF DAMPER.
2. WIRE TO NEAREST FIRE ALARM INITIATION LOOP BY DIV.28.
3. REMOTE TEST SWITCH TO BE FURNISHED AND INSTALLED BY DIV.28. SWITCH SHALL BE FLUSHED INTO NEAREST ACCESSIBLE DROPPED CEILING. PROVIDE ALL WIRING TO DUCT SMOKE DETECTOR PER MANUFACTURER'S REQUIREMENTS.

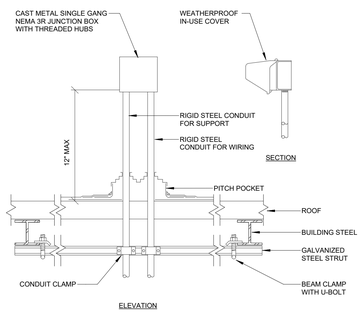
2 TYPICAL DUCT SMOKE DETECTOR DETAIL
NTS



NOTES:

1. DUCT SMOKE DAMPER(S) AND END SWITCH(ES) SHALL BE FURNISHED BY DIV. 23. SMOKE DAMPER WIRED BY DIV. 26, END SWITCH WIRED BY DIV. 23.
2. ALL WIRING SHALL BE FURNISHED AND INSTALLED BY DIVISION 26 UNLESS OTHERWISE NOTED. ALL WIRING SHALL BE #12 THHN.
3. DUCT SMOKE DETECTOR SHALL BE FURNISHED BY DIVISION 28 AND INSTALLED BY DIVISION 23. PROVIDE SAMPLING TUBE CROSSING THE ENTIRE WIDTH OF THE DUCT.
4. FIRE ALARM ZONE WIRING PER MANUFACTURERS REQUIREMENTS. PROVIDED BY DIVISION 28.
5. REMOTE TEST/RESET KEY SWITCH AND ASSOCIATED WIRING PROVIDED BY DIV. 28.
6. FIRE ALARM CONTROL MODULE/RELAY MODULE PROVIDED BY DIV. 28. WIRED IN SERIES WITH BMS INPUT RELAY TO CLOSE DAMPER UPON ACTIVATION.
7. DIVISION 26 SHALL PROVIDE 2#12,1#12G,3/4"C FOR DAMPER POWER FROM LOCAL 120VAC OPTIONAL STANDBY SOURCE. SEE PLANS FOR ADDITIONAL INFORMATION.
8. LOW VOLTAGE COIL CONTROL WIRING FROM BUILDING MANAGEMENT SYSTEM, WIRING BY DIV. 23.
9. UL LISTED DPDT RELAY WITH LOW VOLTAGE COIL BY DIV. 26. COORDINATE COIL OPERATING VOLTAGE WITH DIV. 23.
10. LOCATE DUCT SMOKE DETECTORS WITHIN 5 FT. OF THE SMOKE DAMPER.

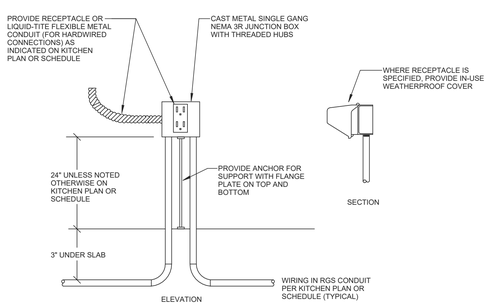
3 TYPICAL FIRE/SMOKE DAMPER DETAIL WITH DETECTOR
NTS



NOTES:

1. WHERE APPLICABLE MOUNT ROOF RECEPTACLE TO MECHANICAL EQUIPMENT ENCLOSURES.
2. COORDINATE WITH ROOFING CONTRACTOR FOR ALL ROOF PENETRATIONS AND SEALING TO MAINTAIN ROOF WARRANTY

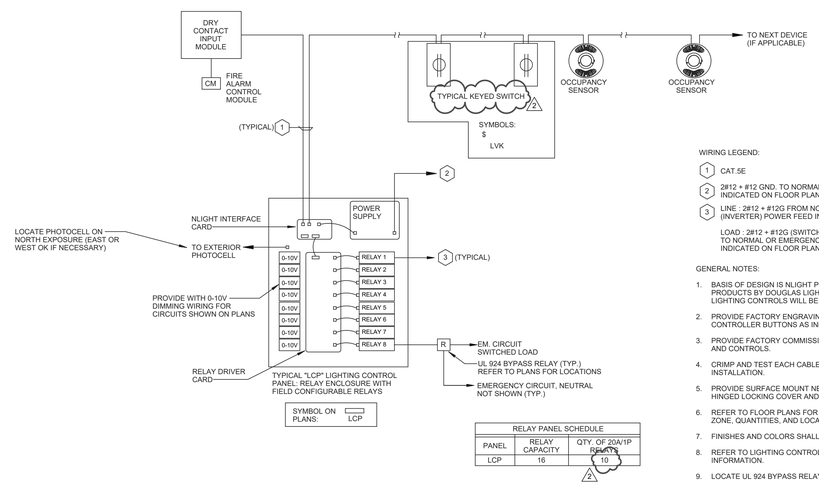
4 ROOF MOUNTED RECEPTACLE DETAIL
NTS



NOTES:

1. ALL RECEPTACLES SHALL BE GFCI-TYPE, UNLESS POWERED VIA A GFCI CIRCUIT BREAKER. REFER TO KITCHEN PLAN OR SCHEDULE.
2. COORDINATE EXACT MOUNTING HEIGHTS, DIMENSIONS FROM WALL AND ADDITIONAL REQUIREMENTS WITH KITCHEN EQUIPMENT ROUGH-IN DRAWINGS, WHERE APPLICABLE.
3. THIS DETAIL DOES NOT APPLY TO FLOOR BOXES.

5 KITCHEN RAISED RECEPTACLE
NTS



RELAY PANEL SCHEDULE		
PANEL	RELAY CAPACITY	QTY. OF 20A/1P RELAYS
LCP	16	10

2

WIRING LEGEND:

1. CAT.5E
2. 2#12 + #12 GND. TO NORMAL POWER FEED INDICATED ON FLOOR PLANS.
3. LINE : 2#12 + #12G FROM NORMAL OR EMERGENCY (INVERTER) POWER FEED INDICATED ON FLOOR PLANS

   LOAD : 2#12 + #12G (SWITCHED HOT/NEUTRAL) TO NORMAL OR EMERGENCY POWER FEED INDICATED ON FLOOR PLANS

GENERAL NOTES:

1. BASIS OF DESIGN IS NLIGHT PRODUCT BY ACUITY BRANDS. EQUAL PRODUCTS BY DOUGLAS LIGHTING CONTROLS AND HUBBELL LIGHTING CONTROLS WILL BE CONSIDERED.
2. PROVIDE FACTORY ENGRAVING ON ALL WALL SWITCHES AND ROOM CONTROLLER BUTTONS AS INDICATED IN DETAIL.
3. PROVIDE FACTORY COMMISSIONING OF ALL SENSORS, PHOTOCELLS AND CONTROLS.
4. CRIMP AND TEST EACH CABLE WITH A LAN CIRCUIT TESTER PRIOR TO INSTALLATION.
5. PROVIDE SURFACE MOUNT NEMA 1 ENCLOSURES, 32 RELAY INTERIOR, HINGED LOCKING COVER AND ACCESSORIES AS INDICATED.
6. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON EACH ZONE, QUANTITIES, AND LOCATIONS OF ALL DEVICES.
7. FINISHES AND COLORS SHALL BE SELECTED BY ARCHITECT.
8. REFER TO LIGHTING CONTROL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. LOCATE UL 924 BYPASS RELAYS AT LIGHTING CONTROL PANEL.
10. PROVIDE OPTIONAL ADD-IN VOLTAGE BARRIERS SEPARATING NORMAL AND EMERGENCY CIRCUITS OR CIRCUITS OR DIFFERENT VOLTAGES.

SEQUENCE OF OPERATIONS

1. ALL RELAYS TO BE CONTROLLED VIA TIME-SCHEDULE FROM SYSTEM TIME SCHEDULES AND FROM PHOTOCELLS (EXTERIOR LIGHTING ONLY).
2. LOW VOLTAGE OVERRIDE SWITCHES AS SHOWN ON FLOOR PLANS.
3. REFER TO SCHEDULES ON THIS DETAIL FOR QUANTITY AND SIZE OF RELAYS IN EACH LIGHTING CONTROL PANEL (LCP). REFER TO PLANS FOR LOCATIONS OF LCP'S.
4. HOURS OF OPERATION FOR TIME-SCHEDULE TO BE DECIDED BY OWNER PRIOR TO LIGHTING CONTROL STARTUP. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE TIME SCHEDULING.
5. RELAYS THAT CONTROL INTERIOR LIGHTING SHALL TURN ON (1) HOUR PRIOR TO BUILDING OCCUPANCY TO PROVIDE ARTIFICIAL LIGHT FOR SELF-LUMINOUS EGRESS PATH LIGHTING (BY OTHERS & IF APPLICABLE)
6. DURING OCCUPIED HOURS:
   - ALL RELAYS THAT CONTROL INTERIOR LIGHTING SHALL BE PROGRAMMED TO FULL BRIGHT, UNLESS OVERRIDEN BY SWITCHES.
   - ALL RELAYS THAT CONTROL SITE LIGHTING SHALL TURN ON/OFF IN ACCORDANCE WITH TIME-SCHEDULE OR WITH PHOTOCELL. COORDINATE OPERATION WITH OWNER.
7. DURING UNOCCUPIED HOURS:
   - ALL RELAYS THAT CONTROL INTERIOR LIGHTING SHALL OPERATE IN ACCORDANCE WITH OCCUPANCY SENSORS, UNLESS OVERRIDEN BY SWITCHES.
   - ALL RELAYS THAT CONTROL SITE LIGHTING SHALL TURN ON/OFF IN ACCORDANCE WITH TIME-SCHEDULE OR WITH PHOTOCELL. COORDINATE OPERATION WITH OWNER.

6 NLIGHT RELAY PANEL
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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4
1	10/4/2022	ADDENDUM #2

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ELECTRICAL DETAILS

SCALE:	DRAWN BY:
NTS	**MO**
DATE: **9/23/2022**	CHECKED BY: **VCM**

DRAWING NUMBER:
E5.00

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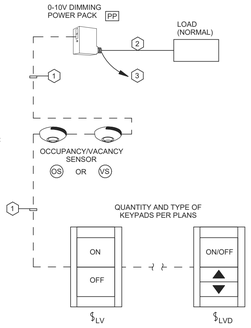
SEQUENCE OF OPERATIONS:
1. ROOM OCCUPANCY SENSORS SHALL BE SET FOR AUTO ON, AUTO OFF OPERATION. TIMEOUT AFTER 20 MINUTES.
2. ROOM VACANCY SENSORS SHALL BE SET FOR MANUAL ON, AUTO OFF OPERATION. TIMEOUT AFTER 20 MINUTES.
3. MANUAL-ON/OFF V/A LOCAL "LV" AND "LVD" KEYPADS.
4. 3-BUTTON "LVD" KEYPAD(S) TO BE PROGRAMMED AS FOLLOWS:
   - BUTTON 1: "ON/OFF": TURN ALL LIGHTS ON/OFF
   - BUTTON 2: "▲": PRESS TO RAISE ALL LIGHTS
   - BUTTON 3: "▼": PRESS TO LOWER ALL LIGHTS
5. 2-BUTTON "LV" KEYPAD(S) TO BE PROGRAMMED AS FOLLOWS:
   - BUTTON 1: "ON": TOGGLE ALL LIGHTS ON
   - BUTTON 2: "OFF": TOGGLE ALL LIGHTS OFF
6. WHERE PHOTOCELL IS INDICATED ON PLANS, ZONE SHALL HAVE AUTOMATIC DIMMING VIA PHOTOCELL AND SHALL CAP MAXIMUM LIGHT LEVEL OF 40 FOOT-CANDLES IN THIS ZONE.

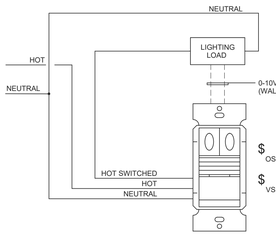
WIRING LEGEND:

1. CAT.5E
2. 2#12 + #12G (SWITCHED HOT/NEUTRAL) AND 2#18 AWG (0-10V +/-)
3. 2#12 + #12 GND. TO NORMAL POWER FEED INDICATED ON FLOOR PLANS.

GENERAL NOTES:
1. BASIS OF DESIGN IS ACUITY NLIGHT.
2. PROVIDE FACTORY COMMISSIONING OF ALL SENSORS, PHOTOCELLS AND CONTROLS.
3. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON EACH ZONE, AND QUANTITY AND LOCATION OF ALL DEVICES.
4. FINISHES AND COLORS OF ALL LIGHTING CONTROL DEVICES AND SWITCH PLATES SHALL BE SELECTED BY ARCHITECT
5. SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY OPTION FOR CONNECTION TO BMS BY DIVISION 23 CONTRACTOR.
6. REFER TO LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.



2 TYPICAL 1-ZONE LIGHTING CONTROL DETAIL - NORMAL FIXTURES ONLY
NTS



TYPICAL WALL SENSOR SWITCH

NOTES:
1. REFER TO MANUFACTURERS WIRING DIAGRAM FOR EXACT WIRING DETAIL.
2. WIRE IN SERIES WITH THREE-WAY SWITCH, WHERE INDICATED ON PLANS.
3. PROVIDE 0-10V WIRING FROM WALL DIMMERS, WHERE INDICATED ON PLANS.
4. LIGHTING SHALL TIME OUT AFTER 20 MINUTES.
5. REFER TO LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.

TYPICAL SPECIFICATIONS:
1. "OS" OCCUPANCY SENSOR SWITCH: (SET TO AUTO-ON, AUTO-OFF MODE)
2. "OSD" OCCUPANCY SENSOR 0-10V DIMMER: (SET TO AUTO-ON, AUTO-OFF MODE)
3. "VS" VACANCY SENSOR SWITCH: (SET TO MANUAL-ON, AUTO-OFF MODE)
4. "VSD" VACANCY SENSOR 0-10V DIMMER: (SET TO MANUAL-ON, AUTO-OFF MODE)

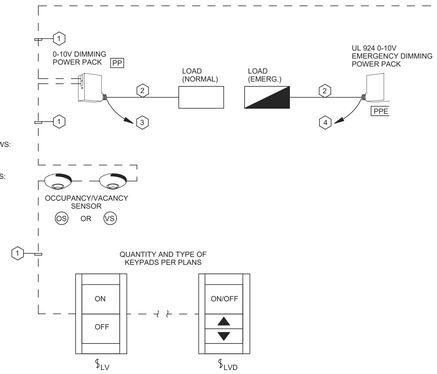
1 TYPICAL LINE VOLTAGE SENSOR SWITCH DETAIL
NTS

SEQUENCE OF OPERATIONS:
1. ROOM OCCUPANCY SENSORS SHALL BE SET FOR AUTO ON, AUTO OFF OPERATION. TIMEOUT AFTER 20 MINUTES.
2. ROOM VACANCY SENSORS SHALL BE SET FOR MANUAL ON, AUTO OFF OPERATION. TIMEOUT AFTER 20 MINUTES.
3. MANUAL-ON/OFF V/A LOCAL "LV" AND "LVD" KEYPADS.
4. 3-BUTTON "LVD" KEYPAD(S) TO BE PROGRAMMED AS FOLLOWS:
   - BUTTON 1: "ON/OFF": TURN ALL LIGHTS ON/OFF
   - BUTTON 2: "▲": PRESS TO RAISE ALL LIGHTS
   - BUTTON 3: "▼": PRESS TO LOWER ALL LIGHTS
5. 2-BUTTON "LV" KEYPAD(S) TO BE PROGRAMMED AS FOLLOWS:
   - BUTTON 1: "ON": TOGGLE ALL LIGHTS ON
   - BUTTON 2: "OFF": TOGGLE ALL LIGHTS OFF
6. WHERE PHOTOCELL IS INDICATED ON PLANS, ZONE SHALL HAVE AUTOMATIC DIMMING VIA PHOTOCELL AND SHALL CAP MAXIMUM LIGHT LEVEL OF 40 FOOT-CANDLES IN THIS ZONE.

WIRING LEGEND:

1. CAT.5E
2. 2#12 + #12G (SWITCHED HOT/NEUTRAL) AND 2#18 AWG (0-10V +/-)
3. 2#12 + #12 GND. TO NORMAL POWER FEED INDICATED ON FLOOR PLANS.
4. 2#12 + #12 GND. TO EMERGENCY POWER FEED INDICATED ON FLOOR PLANS.

GENERAL NOTES:
1. BASIS OF DESIGN IS ACUITY NLIGHT.
2. PROVIDE FACTORY COMMISSIONING OF ALL SENSORS, PHOTOCELLS AND CONTROLS.
3. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON EACH ZONE, AND QUANTITY AND LOCATION OF ALL DEVICES.
4. FINISHES AND COLORS OF ALL LIGHTING CONTROL DEVICES AND SWITCH PLATES SHALL BE SELECTED BY ARCHITECT
5. SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY OPTION FOR CONNECTION TO BMS BY DIVISION 23 CONTRACTOR.
6. REFER TO LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.



3 TYPICAL 1-ZONE LIGHTING CONTROL DETAIL - NORMAL AND EMERGENCY FIXTURES
NTS

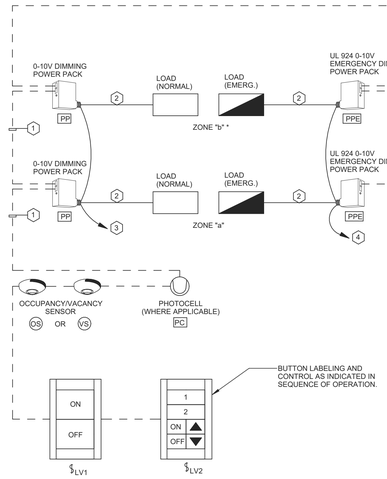
GENERAL NOTES:
1. BASIS OF DESIGN IS ACUITY NLIGHT.
2. PROVIDE FACTORY ENGRAVING ON ALL WALL SWITCHES AND ROOM CONTROLLER BUTTONS AS INDICATED IN THIS DETAIL.
3. PROVIDE FACTORY COMMISSIONING OF ALL SENSORS, PHOTOCELLS AND CONTROLS.
4. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON EACH ZONE, AND QUANTITY AND LOCATION OF ALL DEVICES.
5. FINISHES AND COLORS OF ALL LIGHTING CONTROL DEVICES AND SWITCH PLATES SHALL BE SELECTED BY ARCHITECT
6. SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY OPTION FOR CONNECTION TO BMS BY DIVISION 23 CONTRACTOR.
7. REFER TO LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.

SEQUENCE OF OPERATIONS:
1. SUGGESTED LABELING SHOWN. SUBMIT TO OWNER FOR APPROVAL PRIOR TO ORDERING.
2. ROOM OCCUPANCY SENSORS SHALL BE SET FOR AUTO ON, AUTO OFF OPERATION. TIMEOUT AFTER 20 MINUTES.
3. ROOM VACANCY SENSORS SHALL BE SET FOR MANUAL ON, AUTO OFF OPERATION. TIMEOUT AFTER 20 MINUTES.
4. 6-BUTTON "LV2" KEYPAD(S) TO BE PROGRAMMED AS FOLLOWS:
   - BUTTON 1: "ZONE a": CONTROLS ZONE "a"
   - BUTTON 2: "ZONE b": CONTROLS ZONE "b"
   - BUTTON 3: "ON": TURN ALL LIGHTS ON
   - BUTTON 4: "OFF": TURN ALL LIGHTS OFF
   - BUTTON 5: "▲": RAISE ASSOCIATED ZONE
   - BUTTON 6: "▼": LOWER ASSOCIATED ZONE
5. 2-BUTTON "LV1" KEYPAD(S) TO BE PROGRAMMED AS FOLLOWS:
   - BUTTON 1: "ON": TURN ALL LIGHTS ON
   - BUTTON 2: "OFF": TURN ALL LIGHTS OFF

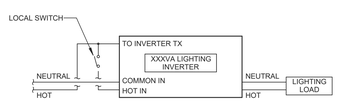
* ZONE SHALL HAVE AUTOMATIC DIMMING VIA PHOTOCELL. PHOTOCELL SHALL CAP MAXIMUM LIGHT LEVEL OF 50 FOOT-CANDLES IN THIS ZONE.

WIRING LEGEND:

1. CAT.5E
2. 2#12 + #12G (SWITCHED HOT/NEUTRAL) AND 2#18 AWG (0-10V +/-)
3. 2#12 + #12 GND. TO NORMAL POWER FEED INDICATED ON FLOOR PLANS.
4. 2#12 + #12 GND. TO EMERGENCY POWER FEED INDICATED ON FLOOR PLANS. PROVIDE 2#12 TO LINE SIDE OF NORMAL LIGHTING CIRCUIT FOR SENSING FEED.



4 TYPICAL MULTI-ZONE LIGHTING CONTROL DETAIL - NORMAL AND EMERGENCY FIXTURES
NTS



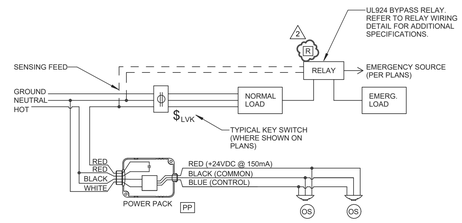
NOTES.
1. WALL MOUNT LIGHTING INVERTERS AS INDICATED ON DRAWINGS.
2. ALL LIGHTING INVERTERS POWERED FROM UNSWITCHED BRANCH CIRCUIT FEEDING LIGHTING SHOWN.
3. WHEN UTILITY POWER IS AVAILABLE LOCAL SWITCHING TURNS ON/OFF LIGHTS. UPON LOSS OF UTILITY POWER SWITCHING IS BYPASSED AND LIGHTS TURN ON.

LIGHTING INVERTER SCHEDULE

INVERTER #	LOCATION	SIZE	INPUT	OUTPUT
1	SECURITY 005	375VA	120V	120V
2	STORAGE 038	550VA	120V	120V
3	SECURITY 005	550VA	120V	120V
4	STORAGE 038	1100VA	120V	120V
5	STORAGE 038	550VA	120V	120V
6	ELEC. 062	550VA	120V	120V
7	ELEC. 062	750VA	120V	120V

NOTES
1. INVERTERS BASED ON IOTA MODEL #11S WITH REMOTE TEST SWITCH #RTK2PC.
2. MOUNT REMOTE TEST SWITCH ON WALL BELOW UNIT, COORDINATE TEST SWITCH LOCATION WITH THE OWNER.

5 TYPICAL SINGLE CIRCUIT INVERTER DETAIL
NTS



SEQUENCE OF OPERATIONS:
1. AUTO-ON WHEN OCCUPANCY IS DETECTED BY CEILING SENSOR(S). REFER TO FLOOR PLANS FOR QUANTITY AND LOCATIONS.
2. AUTO-OFF AFTER 20 MINUTES OF UNOCCUPIED SPACE.
3. MANUAL ON-OFF CONTROL OF ALL FIXTURES BY KEY SWITCHES. WHERE INDICATED ON PLANS.
4. REFER TO LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.

6 TYPICAL STANDALONE OCCUPANCY SENSOR DETAIL
NTS

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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

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PROJECT ADDRESS:
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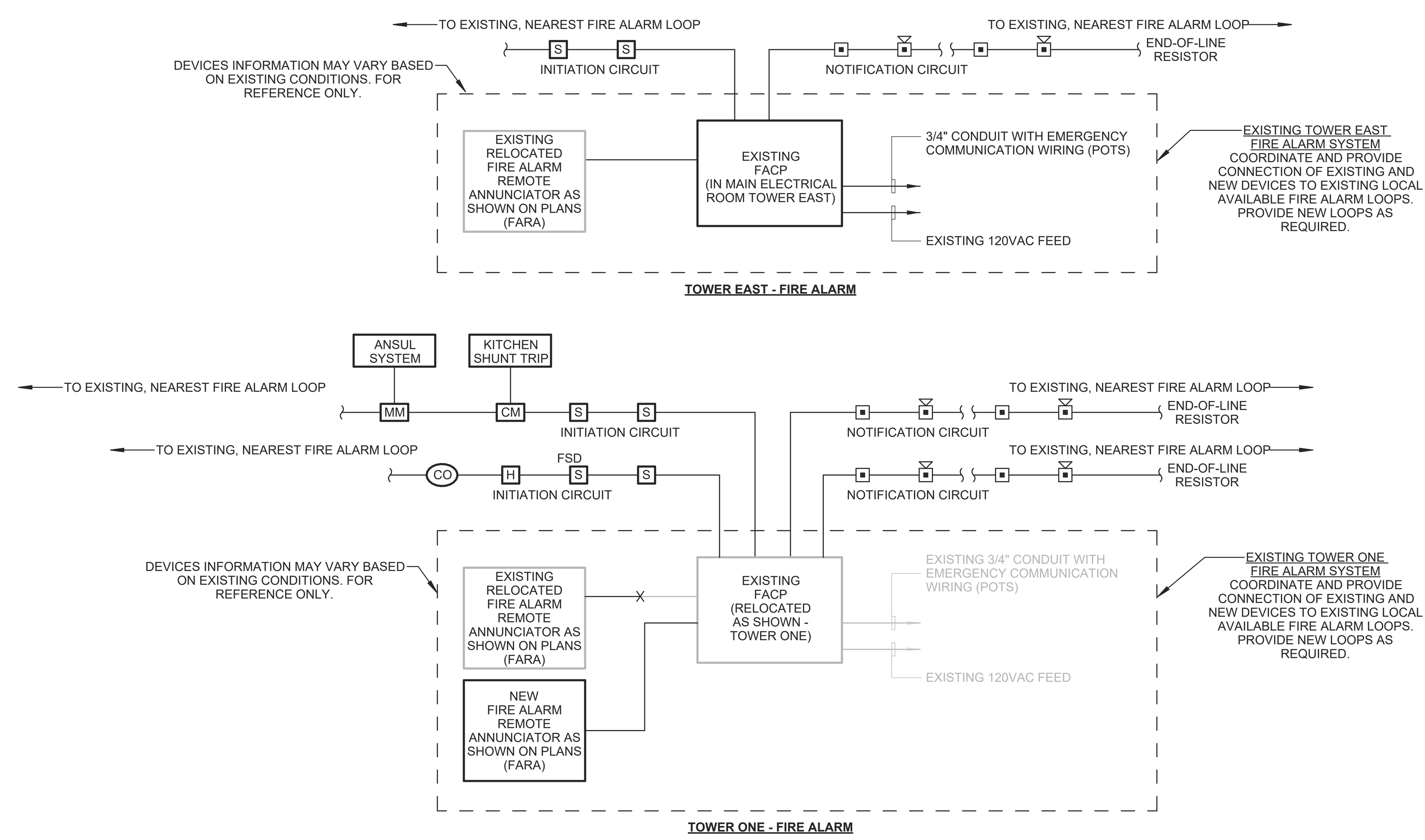
INTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	SPECS	FIXTURE DESCRIPTION	TYPE	MANUFACTURER	SPECS	FIXTURE DESCRIPTION
FT01A	USAI B3RDF-15L2-30KH-50-S-BF-FF-EC-UNV-D22 OR APPROVED EQUAL	15W 1325LM 3000K UNIV 90+ CRI	3" ROUND DOWNLIGHT LED LIGHTING FIXTURE: 0-10V DIMMING, 50 DEGREE BEAM SPREAD, WET LOCATION RATED. **BF=** BEVEL TRIM FINISH OPTION TO BE CONFIRMED WITH ARCHITECT. **FF=** FLANGE/MILLWORK COLLAR FINISH OPTION TO BE CONFIRMED WITH ARCHITECT	FT19	NATEVO ASHAA OR APPROVED EQUAL	77W 8041LM 2700K UNIV	76" DECORATIVE STANDING LAMP FIXTURE.
FT01B	USAI B3RDF-15L2-30KH-30-S-BF-FF-EC-UNV-D22 OR APPROVED EQUAL	15W 1325LM 3000K UNIV 90+ CRI	3" ROUND DOWNLIGHT LED LIGHTING FIXTURE: 0-10V DIMMING, 30 DEGREE BEAM SPREAD, WET LOCATION RATED. **BF=** BEVEL TRIM FINISH OPTION TO BE CONFIRMED WITH ARCHITECT. **FF=** FLANGE/MILLWORK COLLAR FINISH OPTION TO BE CONFIRMED WITH ARCHITECT	FT20	LUMINII K45M-96-30K-HO-HF-CB-XX-PFP-PFT OR APPROVED EQUAL	5.01W/ft 295LM/ft 3000K UNIV 97+ CRI	96" ANGLED LED WALL WASHER: EXTRUDED ALUMINUM, 0-10V DIMMING **XX=** TRIM FINISH TO BE CONFIRMED WITH ARCHITECT **PFP=** POWER FEED POSITION **PFT=** POWER FEED TYPE CONTRACTOR TO FIELD-VERIFY LENGTHS PRIOR TO ORDERING
FT01C	USAI B3RDF-15L2-30KH-20-S-BF-FF-EC-UNV-D22 OR APPROVED EQUAL	15W 1325LM 3000K UNIV 90+ CRI	3" ROUND DOWNLIGHT LED LIGHTING FIXTURE: 0-10V DIMMING, 20 DEGREE BEAM SPREAD, WET LOCATION RATED. **BF=** BEVEL TRIM FINISH OPTION TO BE CONFIRMED WITH ARCHITECT. **FF=** FLANGE/MILLWORK COLLAR FINISH OPTION TO BE CONFIRMED WITH ARCHITECT	FT21	HOLLY HUNT KORI OR APPROVED EQUAL	25 W 1600LM 2700K UNIV 90+CRI	27" DECORATIVE LED PENDANT FIXTURE: 7 PENDANTS, CAST GLASS DIFFUSER, 0-10V DIMMING.
FT01E	USAI B3RDM-15L2-30KH-50-S-BF-FF-EC-UNV-D22 OR APPROVED EQUAL	15W 1325LM 3000K UNIV 90+ CRI	3" ROUND MILLWORK DOWNLIGHT LED LIGHTING FIXTURE: 0-10V DIMMING, 50 DEGREE BEAM SPREAD, WET LOCATION RATED. **BF=** BEVEL TRIM FINISH OPTION TO BE CONFIRMED WITH ARCHITECT. **FF=** FLANGE/MILLWORK COLLAR FINISH OPTION TO BE CONFIRMED WITH ARCHITECT	FT22	SONNEMAN 2913.01-LRG OR APPROVED EQUAL	6W 240LM 3000K 120V 90+ CRI	LARGE DECORATIVE ROUND LED CANOPY PENDANT FIXTURE: 10' ADJUSTABLE CORD, CLEAR GLASS LENS.
FT01G	USAI B3RDF-09L2-30KH-50-S-BF-FF-EC-UNV-D22 OR APPROVED EQUAL	9W 900LM 3000K UNIV 90+ CRI	3" LOW POWER ROUND DOWNLIGHT LED LIGHTING FIXTURE: 0-10V DIMMING, 50 DEGREE BEAM SPREAD, WET LOCATION RATED. **BF=** BEVEL TRIM FINISH OPTION TO BE CONFIRMED WITH ARCHITECT. **FF=** FLANGE/MILLWORK COLLAR FINISH OPTION TO BE CONFIRMED WITH ARCHITECT	FT24	CERNO 08-100-24-W-F-27-P1	19.5 W 1690LM 2700K UNIV 90+ CRI	24" ROUND SURFACE MOUNTED LED DOWNLIGHT FIXTURE: 0-10V DIMMING, FROSTED POLYMER SHADE.
FT01H	USAI B3RDM-09L2-30KH-50-S-BF-FF-EC-UNV-D22 OR APPROVED EQUAL	9W 900LM 3000K UNIV 90+ CRI	3" 50 DEGREE ROUND DOWNLIGHT TRIMLESS MILLWORK LED LIGHTING FIXTURE: 0-10V DIMMING, 50 DEGREE BEAM SPREAD, WET LOCATION RATED. **BF=** BEVEL TRIM FINISH OPTION TO BE CONFIRMED WITH ARCHITECT. **FF=** FLANGE/MILLWORK COLLAR FINISH OPTION TO BE CONFIRMED WITH ARCHITECT	FT25	USAI M1RAF-O7X4C-30KH-50-MO-BF-FF-NC-RM OR APPROVED EQUAL	7W 650LM 2700K UNIV 90+ CRI	1.25" ROUND ADJUSTABLE LED DOWNLIGHT FIXTURE: TRIMMED WITH FLANGE, 0-10V DIMMING, 50 DEGREE BEAM SPREAD. **BF=** BEVEL FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT **FF=** FLANGE/COLLAR FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT
FT02	MODERN FORMS FM-16818-BN OR APPROVED EQUAL	26W 2015LM 3000K 120V 90 CRI	18" BRUSHED NICKEL FLUSH MOUNT LED LIGHTING FIXTURE: 1996 DELIVERED LUMENS CONSULT WITH LIGHTING DESIGNER TO DETERMINE DIMMER COMPATIBILITY	FT26	KARMAN SRL CT612 AM V1E OR APPROVED EQUAL	18W 2700K 120V	STEEL AND ACRYLIC TABLE LAMP: E26 SOCKET DESIGN. PROVIDE WITH COMPATIBLE LED E26 BASE LAMP. QUANTITIES AS REQUIRED.
FT04	LUMINII KS-140-30K-HO-C-FC-XX-PFP-PFT OR APPROVED EQUAL	56.1W 369LM/ft 3000K 24V DC 90+ CRI	12' SURFACE MOUNTED LINEAR LED COVE LIGHT: 0-10V DIMMING. **XX=** TRIM FINISH TO BE CONFIRMED WITH ARCHITECT **PFP=** POWER FEED POSITION **PFT=** POWER FEED TYPE CONTRACTOR TO FIELD-VERIFY LENGTHS PRIOR TO ORDERING	FT27A	SERIP PA633/5 OR APPROVED EQUAL	200W 120V	DECORATIVE BRONZE FLOOR LAMP: GU10 SOCKET DESIGN TO ACCOMODATE MR16 LED LAMPS. PROVIDE WITH COMPATIBLE GU10 SOCKET MR16 LED LAMPS. QUANTITIES AS REQUIRED.
FT05	HOLLY HUNT KO0-SCN OR APPROVED EQUAL	8W 800LM 2700K UNIV 90+ CRI	22.75" VERTICALLY MOUNTED DECORATIVE WALL SCONCE: DARK BRONZE PATINA FINISH, 0-10V DIMMING.	FT27B	SERIP PA633/5 OR APPROVED EQUAL	200W 120V	SAME AS FT27A
FT06A	DAY-O-LITE PRFL-44W-D-AS-30-SO-5-FL-FINISH-DIM10 OR APPROVED EQUAL	7W/ft 690LM/ft 3000K UNIV 90+ CRI	5' RECESSED LINEAR LED WALLWASHER: ASYMMETRIC LENS, 0-10V DIMMING **FINISH=** HOUSING COLOR / FINISH TO BE CONFIRMED WITH ARCHITECT CONTRACTOR TO FIELD-VERIFY LENGTHS PRIOR TO ORDERING	FT28	USAI M1WRF-07X4C-30KH-W2-D1-BF-FF-NM-RC OR APPROVED EQUAL	7W 425LM 3000K UNIV 90+ CRI	1.25" ROUND RECESSED LED WALL WASH FIXTURE: 0-10V DIMMING, STEEL HOUSING. **BF=** BEVEL FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT **FF=** FLANGE/COLLAR FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT
FT06B	DAY-O-LITE PRFL-44W-D-AS-30-SO-8-FL-FINISH-DIM10 OR APPROVED EQUAL	7W/ft 690LM/ft 3000K UNIV 90+ CRI	8' RECESSED LINEAR LED WALLWASHER: ASYMMETRIC LENS, 0-10V DIMMING **FINISH=** HOUSING COLOR / FINISH TO BE CONFIRMED WITH ARCHITECT CONTRACTOR TO FIELD-VERIFY LENGTHS PRIOR TO ORDERING	FT29	HUBBARDTON FORGE 139973-1010 / 139973-LED-STND-14 OR APPROVED EQUAL	13W 650LM 3000K UNIV 90+ CRI	10" ADJUSTABLE CABLE HUNG LED MINI PENDANT: 0-10V DIMMING, GLASS AND CAST STEEL CONSTRUCTION.
FT07	CERNO 06170-F-27-P1 OR APPROVED EQUAL	13W 1250 LM 2700K UNIV 90+ CRI	11" X 11" DECORATIVE PENDANT: 0-10V DIMMING, BRUSHED ALUMINUM EXTENDED PROFILE.	FT30	USAI M1RAF-07X4C-30KH-50-MO-BF-FF-NC-RM OR APPROVED EQUAL	7W 425LM 3000K UNIV 90+ CRI	1.25" ROUND ADJUSTABLE RECESSED LED FIXTURE: 0-10V DIMMING, STEEL HOUSING. **BF=** BEVEL FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT **FF=** FLANGE/COLLAR FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT
FT08	USAI MDG-02-08H1-30KH-50-BL-BL-NCVS-UNV-D6E-CEILING-GRID OR APPROVED EQUAL	8W 625LM 3000K UNIV 90+ CRI	1.25" APERTURE, 50 DEGREE 2 CELL RECTILINEAR LED DOWNLIGHT FIXTURE: 0-10V DIMMING, MATTE BLACK FINISH. **CEILING=** CEILING TYPE TO BE CONFIRMED WITH ARCHITECT **GRID=** GRID MOUNTING BARS TYPE TO BE CONFIRMED WITH ARCHITECT CONTRACTOR TO CONFIRM ALL FINISHES WITH ARCHITECT	FT32A	LUMINII MP-XX-30K OR APPROVED EQUAL	3000K 24V DC 93+ CRI	3'5" X 7'5" RIGID PANEL WITH LED TILE ILLUMINATION: 0-10V DIMMING, CAN BE SURFACE MOUNTED. **XX=** OUTPUT LEVEL, LUMEN PACKAGE VARIES BASED ON DESIRED OUTPUT.
FT09A	USAI B3RWF-15L2-30KH-W2-FINISH-EC-UNV-D22 OR APPROVED EQUAL	15W 1275LM 3000K UNIV 90+ CRI	3" ROUND LED RECESSED WALL WASH: 0-10V DIMMING, CODE GAUGE STEEL HOUSING. **FINISH=** TRIM FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT	FT32B	LUMINII MP-XX-30K OR APPROVED EQUAL	3000K 24V DC 93+ CRI	3'6" X 6'6" RIGID PANEL WITH LED TILE ILLUMINATION: 0-10V DIMMING, CAN BE SURFACE MOUNTED. **XX=** OUTPUT LEVEL, LUMEN PACKAGE VARIES BASED ON DESIRED OUTPUT.
FT09B	USAI B3RWM-15L2-30KH-W2-FINISH-EC-UNV-D22 OR APPROVED EQUAL	15W 1275LM 3000K UNIV 90+ CRI	3" ROUND LED RECESSED MILLWORK WALL WASH: 0-10V DIMMING, CODE GAUGE STEEL HOUSING. **FINISH=** TRIM FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT	FT33	MOZ DESIGNS CC150 OR APPROVED EQUAL	24V DC 3000K	MATTE ACRYLIC-BACKED PERFORATED METAL COLUMN COVERS WITH BACKLIGHT STRIPS AND REMOTE DRIVER: 0-10V DIMMING, 3/16" ALUMINUM. PROVIDE APPROXIMATELY (30) 4'4" LED STRIPS AND MOUNT TO COLUMN. DRIVERS SHALL BE MOUNTED WITHIN 30' OF THE PANEL. COORDINATE WITH LIGHTING DESIGNER AND MANUFACTURER.
FT10	HOLLY HUNT KO0-SCN OR APPROVED EQUAL	8W 800LM 2700K UNIV 90+ CRI	SAME AS FT05	FT35	FEELUX DVS4-30K-ST-RM-TRIM-Q-DR-FDC-120V	4.3W 344LM 3000K 120V 85+ CRI	3" ROUND RECESSD CABINET PUCK LED LIGHTING FIXTURE: 0-10V DIMMING, 60 DEGREE BEAM ANGLE, DAMP LOCATION LISTED. **TRIM=** TRIM COLOR TO BE CONFIRMED WITH ARCHITECT. **Q=** SPOT QUANTITY POWERED TOGETHER TO BE CONFIRMED WITH ARCHITECT. **DR=** DRIVER TO BE CONFIRMED WITH THE ARCHITECT.
FT11	H.E. WILLIAMS 6CRDI-TL-L20/927U/L20/927D-HF-DIM1U/DIM1D-UNV-OW/LW-DLT OR APPROVED EQUAL	39.6W 2000LM U 2000LM D 2700K UNIV 90+ CRI	DIRECT/INDIRECT, 2-CIRCUIT CYLINDER PENDANT FIXTURE: EXTRUDED ALUMINUM HOUSING, OPEN REFLECTOR UPLIGHT, FLUSHED LENS DOWNLIGHT, 2-CIRCUIT 0-10V DIMMING, 65 DEGREE WIDE DISTRIBUTION. **HF=** HOUSING FINISH TO BE CONFIRMED WITH ARCHITECT **DLT=** DOWNLIGHT LENS TRIM TYPE TO BE CONFIRMED WITH ARCHITECT	FT40	H.E. WILLIAMS AT1-2-2-L40-830-D-DIM OR APPROVED EQUAL	37.2W 4120LM 3000K UNIV 80+ CRI	2' X 2' RECESSED LED LIGHTING FIXTURE: 0-10V DIMMING, 22 GAUGE STEEL HOUSING, POLYCARBONATE CURVED LENS.
FT12	PUREEDGE CCWG-C-5W-1R-288-27K-XX OR APPROVED EQUAL	5W/ft 340LM/ft 2700K UNIV 95+ CRI	24' SURFACE MOUNTED LINEAR LED WALL GRAZER: 10 DEGREE BEAM SPREAD, SATIN ALUMINUM, 0-10V DIMMING. **XX=** FINISH OPTION TO BE CONFIRMED WITH ARCHITECT CONTRACTOR TO FIELD-VERIFY LENGTHS PRIOR TO ORDERING	FT41	H.E. WILLIAMS AT1-2-4-L40-830-D-DIM OR APPROVED EQUAL	34.2W 4035LM 3000K UNIV 80+ CRI	2' X 4' RECESSED LED LIGHTING FIXTURE: 0-10V DIMMING, 22 GAUGE STEEL HOUSING, POLYCARBONATE CURVED LENS.
FT13A	JLC TBSL-HW-2-GRID-B2-MC-COLOR OR APPROVED EQUAL	16W 584LM/ft 3000K UNIV 82+ CRI	2' LINEAR GRID MOUNTED T-BAR LED FIXTURE: 0-10V DIMMING, EXTRUDED ALUMINUM HOUSING. **GRID=** GRID TYPE TO BE CONFIRMED WITH ARCHITECT **MC=** MOUNTING CLIP TYPE TO BE CONFIRMED WITH ARCHITECT **COLOR=** COLOR FINISH TO BE CONFIRMED WITH ARCHITECT	FT42	ELECTRIC MIRROR EYL2-RC2.0-24.00X36.00-L7CSHD-30K OR APPROVED EQUAL	80W 720LM/ft 3000K 120V 90+ CRI	2' X 3' RADIUS CORNER LIGHTED MIRROR: SUITABLE FOR DAMN LOCATIONS, FORWARD FACING TASK LIGHTING, CORROSION-RESISTANT GLASS.
FT13B	JLC TBSL-HW-4-GRID-D-MC-COLOR OR APPROVED EQUAL	32W 584LM/ft 3000K 24V 82+ CRI	4' LINEAR GRID MOUNTED T-BAR LED FIXTURE: 0-10V DIMMING, EXTRUDED ALUMINUM HOUSING. **GRID=** GRID TYPE TO BE CONFIRMED WITH ARCHITECT **MC=** MOUNTING CLIP TYPE TO BE CONFIRMED WITH ARCHITECT **COLOR=** COLOR FINISH TO BE CONFIRMED WITH ARCHITECT	FT44-X	H.E. WILLIAMS 1SF-X-LM/830-DMA-WRS/120-DRV-UNV OR APPROVED EQUAL	5.2W/ft 600LM/ft 3000K UNIV 80+ CRI	SOLID FRONT UNDER CABINET LED LIGHTING FIXTURE: 20 GAUGE STEEL HOUSING, WHITE ROCKER SWITCH, WHITE FINISH. **X=** LENGTH OF FIXTURE AS SHOWN ON FLOOR PLANS. WATTAGE AND LUMENS VARY BY LENGTH OF FIXTURE CONTRACTOR TO FIELD-VERIFY LENGTHS PRIOR TO ORDERING
FT14	USAI M1RDM-07X4C-27KH-50-MO-BF-FF-NC-RM OR APPROVED EQUAL	7W 425LM 2700K UNIV 90+ CRI	1.25" RECESSED PINHOLE DONWLIGHT MILLWORK FIXTURE: 0-10V DIMMING, 50 DEGREE BEAM SPREAD, **BF=** BEVEL FINISH OPTION TO BE CONFIRMED WITH ARCHITECT **FF=** FLANGE/MILLWORK COLLAR FINISH TO BE CONFIRMED WITH ARCHITECT	FT45	SECTO DESIGN OWALO 7000 OR APPROVED EQUAL	21W 2500LM 2850K 120V 85+ CRI	39" LINEAR PENDANT LED LIGHTING FIXTURE : 0-10V DIMMING, PRESSED BIRCH HOUSING.
FT15A	ALW USA MR1.5-Q30-SS-LOW/90/2700-0/10V/1%-LENS-MED/90/2700-0/10V/1%-N-FA-FB-UNV-E-S-A OR APPROVED EQUAL	50W 1400LM DL 2100LM IM 2700K UNIV 90+ CRI	1.5" APERTURE 30" RADIUS 2-CIRCUIT STANDALONE CRESCENT MOONRING LED PENDANT: DIRECT LOW OUTPUT, INDIRECT MEDIUM OUTPUT, INDEPENDENT 0-10V DIMMING DRIVERS. **FA=** FINISH FOR SURFACE A **FB=** FINISH FOR SURFACE B **E=** EMERGENCY OPTIONS **S=** SENSOR OPTIONS **A=** ADDITIONAL OPTIONS CONTRACTOR TO CONFIRM ALL FINISHES AND OPTIONS WITH ARCHITECT	FT46	AXOLIGHT UAPOLIAP-BC-XX-LED OR APPROVED EQUAL	16W 1338LM 3000K 120V 90+ CRI	11" WALL MOUNTED LED UPLIGHT: ROLLED STEEL HOUSING, OPALESCENT DIFFUSER, WHITE FINISH.
FT15B	ALW USA MR1.5-Q36-SS-LOW/90/2700-0/10V/1%-LENS-MED/90/2700-0/10V/1%-N-FA-FB-UNV-E-S-A OR APPROVED EQUAL	61W 1700LM DL 2525LM IM 2700K UNIV 90+ CRI	1.5" APERTURE 36" RADIUS 2-CIRCUIT STANDALONE CRESCENT MOONRING LED PENDANT: DIRECT LOW OUTPUT, INDIRECT MEDIUM OUTPUT, INDEPENDENT 0-10V DIMMING DRIVERS. **LI=** INDIRECT LIGHTING LENS **FA=** SURFACE A FINISH **FB=** SURFACE B FINISH **E=** EMERGENCY OPTIONS **S=** SENSOR OPTIONS **A=** ADTL. OPTIONS CONTRACTOR TO CONFIRM ALL FINISHES AND OPTIONS WITH ARCHITECT	FT48	ADVANTAGE CLQ24-24-S-S-M OR APPROVED EQUAL	35W 3675LM 3500K UNIV 80+ CRI	2' X 4' RECESSED LED LIGHTING FIXTURE: SUITABLE FOR ISO CLASS 5-9 POSITIVE PRESSURE CLEAN ROOMS, ALUMINUM HOUSING, DAMP LOCATION LISTED.
FT15C	ALW USA MR1.5-CQ42/1/CQ30/1-SS-LOW/90/2700-0/10V/1%-LENS-MED/90/2700-0/10V/1%-LI-FA-FB-UNV OR APPROVED EQUAL	120W 3375LM DL 5050LM IM 2700K UNIV 90+ CRI	1.5" APERTURE 42" & 30" RADIUS 2-CIRCUIT CONTINUOUS CRESCENT MOONRING LED PENDANT: DIRECT LOW OUTPUT, INDIRECT MEDIUM OUTPUT, INDEPENDENT 0-10V DIMMING DRIVERS. **LI=** INDIRECT LIGHTING LENS **FA=** SURFACE A FINISH **FB=** SURFACE B FINISH CONTRACTOR TO CONFIRM ALL FINISHES AND OPTIONS WITH ARCHITECT	FT49	LZF LAMPS SWRL-SP-WH-E26-UL	3000K	22" PENDANT MOUNTED LED LAMP FIXTURE: E26 SOCKET DESIGN, MATTE WHITE FINISH, GREY WOOD VENEER SHADE. PROVIDE WITH COMPATIBLE LAMP WITH THE REQUIREMENT OF 3000K.
FT15D	ALW USA MR1.5-CQ48/1/CQ42/1-SS-LOW/90/2700-0/10V/1%-LENS-MED/90/2700-0/10V/1%-LI-FA-FB-UNV OR APPROVED EQUAL	151W 4225LM DL 6325LM IM 3000K UNIV 90+ CRI	1.5" APERTURE 48" & 42" RADIUS 2-CIRCUIT CONTINUOUS CRESCENT MOONRING LED PENDANT: DIRECT LOW OUTPUT, INDIRECT MEDIUM OUTPUT, INDEPENDENT 0-10V DIMMING DRIVERS. **LI=** INDIRECT LIGHTING LENS **FA=** SURFACE A FINISH **FB=** SURFACE B FINISH CONTRACTOR TO CONFIRM ALL FINISHES AND OPTIONS WITH ARCHITECT	FT50	LZF LAMPS ATA-SP-LED-DIM-UL	15W 1137LM 2700K UNIV 90+CRI	30" PENDANT MOUNTED LED LIGHTING FIXTURE: 0-10V DIMMING, NICKEL METAL CANOPY, BLUE WOOD VENEER SHADE.
FT16	USAI M1RAF-O7X4C-30KH-50-MO-BF-FF-NC-RM OR APPROVED EQUAL	7W 650LM 3000K UNIV 90+ CRI	1.25" ROUND ADJUSTABLE LED DOWNLIGHT FIXTURE: TRIMMED WITH FLANGE, 0-10V DIMMING, 50 DEGREE BEAM SPREAD. **BF=** BEVEL FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT **FF=** FLANGE/COLLAR FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT	FT51	MAXIM 10145GYBK OR APPROVED EQUAL	3000K	15" PENDANT MOUNTED LED LAMP FIXTURE: E26 MEDIUM BULB DESIGN, PERFORATED WOVEN GRAY FINISH. PROVIDE WITH COMPATIBLE LED RETROFIT BULB WITH 3000K.
FT17A	MOOOI R89-cULus OR APPROVED EQUAL	50W 790LM 2700K 120V 71+ CRI	35" DECORATIVE LED GLOBE PENDANT: STAINLESS STEEL, 0-10V DIMMING.	FT52	USAI 6021W-B1-S-FINISH-LRTD6-9040-C2-35KS-50-NC1-120V-DIML6A OR APPROVED EQUAL	40W 2875LM 3500K 120V 80+ CRI	6" ROUND RECESSED LED LIGHTING FIXTURE: 0-10V DIMMING, STEEL HOUSING, 50 DEGREE BEAM SPREAD, WET LOCATION RATED. **FINISH=** FLANGE FINISH COLOR TO BE CONFIRMED WITH ARCHITECT.
FT17B	MOOOI R61-cULus OR APPROVED EQUAL	30W 644LM 2700K 120V 71+ CRI	24" DECORATIVE LED GLOBE PENDANT: STAINLESS STEEL, 0-10V DIMMING.	X1	ISOLITE EUG-EM-G-1C-MTEB	LED 2 W	UNIVERSAL MOUNT SINGLE-FACE EXIT SIGN: GREEN LETTERING, BATTERY BACKUP, CLEAR BACKGROUND.
FT17C	MOOOI R43-cULus OR APPROVED EQUAL	16W 329LM 2700K 120V 71+ CRI	16.9" DECORATIVE LED GLOBE PENDANT: STAINLESS STEEL, 0-10V DIMMING.	X2	ISOLITE EUG-EM-2M-MTEB	LED 2 W	UNIVERSAL MOUNT DOUBLE FACE EXIT SIGN: GREEN LETTERING, BATTERY BACKUP, MIRROR BACKGROUND.
FT18B	B3RAF-25-15X3-27KH-25-S-BF-FF-NC1-UNV-D22 OR APPROVED EQUAL	15W 1825LM 2700K UNIV 90+ CRI	3" ROUND ADJUSTABLE LED RECESSED DOWNLIGHT FIXTURE: 0-10V DIMMING, 25 DEGREE BEAM SPREAD. **BF=** BEVEL FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT **FF=** FLANGE/COLLAR FINISH OPTIONS TO BE CONFIRMED WITH ARCHITECT				

FLOOR BOX SCHEDULE

SYMBOL	DESCRIPTION	CONDUIT/ FLOOR BOX	NOTES
FB A	FLOOR BOX WITH POWER	LEGRAND #RFB2E-OG OR EQUAL WITH (1) 3/4"C FOR POWER TRENCHED TO NEAREST ACCESSIBLE WALL AND ABOVE CEILING.	PROVIDE WITH (2) INTEGRAL DUPLEX RECEPTACLES. PROVIDE WITH SURFACE STYLE ROUND COVER ASSEMBLY.
FB B	FLOOR BOX WITH POWER, DATA	LEGRAND #RFB4E-OG OR EQUAL WITH (1) 3/4"C FOR POWER AND (1) 1-1/4"C FOR DATA TRENCHED TO NEAREST ACCESSIBLE WALL AND ABOVE CEILING.	PROVIDE WITH (2) INTEGRAL DUPLEX RECEPTACLES. PROVIDE WITH SURFACE STYLE ROUND COVER ASSEMBLY.

GENERAL NOTES:
1. ALL CONDUITS FOR FLOOR BOXES SHALL BE TRENCHED TO THE NEAREST WALL AND SHALL STUB ABOVE ACCESSIBLE CEILING, OR IN A LOCATION INDICATED ON PLANS.
2. ALL POKE-THROUGH DEVICES SHALL BE PROVIDED WITH SEPARATE CONDUIT SLEEVES TO FLOOR BELOW FOR POWER, DATA AND AV CABLING. PROVIDE ALL NECESSARY FIRESTOPPING OF CONDUIT SLEEVES TO MATCH FIRE RATING OF FLOOR.
3. PROVIDE INTERNAL BARRIER KITS TO SEPARATE POWER, DATA AND AV COMPARTMENTS IN ALL FLOOR BOXES AND POKE-THROUGH DEVICES.
4. ALL FINISHES, COLORS AND COVER MATERIALS SHALL BE SELECTED BY ARCHITECT.
5. PROVIDE MOUNTING BRACKETS AS RECOMMENDED BY MANUFACTURER FOR ALL DEVICES MOUNTED IN FLOOR BOXES AND POKE-THROUGH DEVICES.



NOTE:
1. BASIS OF DESIGN - **EXISTING SYSTEM IN TOWER EAST BY "SIMPLEX 4100ES", AND EXISTING SYSTEM IN TOWER ONE BY "HONEYWELL FIRE LITE MS9600UDLS"** - PROVIDE DEVICES TO MATCH EXISTING MANUFACTURER.
2. REFER TO DRAWINGS FOR DEVICE QUANTITIES. PROVIDE WIRE SIZES PER MANUFACTURER'S REQUIREMENTS.
3. ALL WIRING SHALL BE NEW IN APPROVED RACEWAY.
4. REINSTALL EXISTING DEVICES REMOVED DURING THE DEMOLITION PHASE (IF ANY, OR APPLICABLE) TO THE GREATEST EXTENT POSSIBLE TO MEET DESIGN CRITERIA AS SHOWN ON PLANS. PROVIDE NEW "SIMPLEX OR HONEYWELL" COMPATIBLE DEVICES AS REQUIRED IF EXISTING DEVICES DON'T MEET PERFORMANCE REQUIREMENTS, FAILS DURING TEST, OR IS DAMAGED IN ANY WAY SHAPE OR FORM.
5. THE ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING FIRE ALARM SYSTEM BATTERY CAPACITY TO SUPPORT ADDITIONAL DEVICES AND TO MEET THE REQUIREMENTS FOR BACKUP OPERATION IN THE PROJECT SPACE AND OTHER ASSOCIATED AREAS. PROVIDE BATTERY CALCULATIONS ALONG WITH DEVICES SUBMITTAL. PROVIDE ADDITIONAL BATTERY CAPACITY AS REQUIRED.
6. VOLTAGE DROP CALCULATION SHALL BE CONDUCTED TO VERIFY ADEQUATE VOLTAGE TO ALL DEVICES IN THE PROJECT SPACE AND OTHER ASSOCIATED AREAS.
7. COORDINATE AND PROVIDE MODIFICATIONS TO EXISTING FIRE ALARM LOOPS AS REQUIRED TO MAINTAIN CONTINUITY WITH OTHER AREAS OUTSIDE OF THE PROJECT SPACE.
8. PROGRAMMING AND TESTING FOR BOTH SYSTEMS SHALL BE INCLUDED AS THE REPONSIBLITY OF THE AWARDED CONTRACTOR.

1 FIRE ALARM RISER DIAGRAM
NTS

LIGHTING FIXTURE SCHEDULE GENERAL NOTES

NOTES:
1. THE NAMED MANUFACTURER LISTED IN THE LUMINAIRE SCHEDULE IS THE BASIS IS DESIGN. IF THE CONTRACTOR CHOOSES TO PROVIDE AN EQUIVALENT MANUFACTURER, THE LIGHT FIXTURE SUBMITTAL SHALL INCLUDE IN ADDITION TO THE PROPOSED LIGHT FIXTURE CUT SHEETS LIGHTING CALCULATIONS FOR ALL INTERIOR AND EXTERIOR AREAS. THE EQUAL FIXTURE APPROVAL SHALL BE BASED ON THE AESTHETICS, QUALITY, CONSTRUCTION AND OPTICAL PERFORMANCE BY THE ENGINEER AND OR ARCHITECT. FIXTURE SAMPLES SHALL BE PROVIDED AS REQUESTED BY THE ENGINEER AND OR ARCHITECT.
2. REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL GENERAL REQUIREMENTS.
3. FIXTURES SHALL BE UL OR ETL LISTED.
4. MOUNTING HARDWARE SUCH AS HANGERS, BRACKETS, RAILS, YOKES, STEMS, CHAINS, ETC., SHALL BE PROVIDED AS NECESSARY TO MOUNT SPECIFIED FIXTURE.
5. REFER TO ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR SPECIFIC DETAILS, ARRANGEMENT, MOUNTING HEIGHTS, CEILING CONSTRUCTION, ETC., COLORS AND FINISHES SHALL BE SELECTED BY THE ARCHITECT.
6. FIXTURES SHALL BE SEISMICALLY SUPPORTED AS REQUIRED BY THE APPLICABLE BUILDING CODE. RECESSED FLUORESCENT FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE WITH A MINIMUM OF 2 SUPPORTS.
7. WIRE EMERGENCY FIXTURES AND EXIT SIGNS AHEAD OF SWITCHED LEGS.
8. FIXTURE FINISHES AND MOUNTING METHODS SHALL BE COORDINATED AND CONFIRMED BY THE ARCHITECT.
9. SHADED FIXTURES ON PLANS AND/OR FIXTURE TAGS ENDING WITH "E", DENOTE THAT FIXTURE SHALL BE PART OF EMERGENCY LIGHTING CIRCUIT FED VIA LOCAL INVERTER.

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CONSTRUCTION DOCUMENTS

REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
ELECTRICAL SCHEDULES AND DIAGRAMS

SCALE: **NTS**
DRAWN BY: **MO**
DATE: **9/23/2022**
CHECKED BY: **VCM**

DRAWING NUMBER:
E6.00

10/12/2022 5:26:46 PM Autodesk Docs://20200157-The Towers Renovation and Expansion/R20-2021024.00-CES - MEP Central - The Towers.rvt

Branch Panel: NPA

Location: MECHANICAL 056 **Supply From:** EXISTING SWITCHGEAR **Mounting:** Surface **Enclosure:** Type 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 22K **Bus Material:** CU **Bus Rating:** 225 A **MCB Rating / MLO:** 200 A MLO

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	ERV-A	30 A	2	0.79	0.70					2	20 A	VRFS	2
3	--	--	--			0.79	0.70			--	--	--	4
5	CU-2	45 A	3					3.48	3.48	3	45 A	CU-1	6
7	--	--	--	3.48	3.48					--	--	--	8
9	--	--	--			3.48	3.48			--	--	--	10
11	CU-3	30 A	3					1.32	1.32	3	30 A	CU-4	12
13	--	--	--	1.32	1.32					--	--	--	14
15	--	--	--			1.32	1.32			--	--	--	16
17	UV-A'S OFFICE 078 & SHOP 075	20 A	2					0.79	0.00	3	20 A	SPARE	18
19	--	--	--	0.79	0.00					--	--	--	20
21	SPARE	20 A	2			0.00	0.00			--	--	--	22
23	--	--	--					0.00	0.00	2	20 A	SPARE	24
25	ELECTRIC DUCT HEATER	20 A	2	1.50	0.00					--	--	--	26
27	--	--	--			1.50	0.00			1	20 A	SPARE	28
29	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	32
33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42
			Phase Load:	13.38 kVA		12.59 kVA		10.39 kVA					
			Phase...	114.4 A		107.8 A		86.6 A					
			Total Load:	36.37 kVA									
			Total Amps:	100.95 A									

Notes:

Branch Panel: KPP-A (ETR)

Location: STORAGE 038 **Supply From:** EXISTING SWITCHGEAR **Mounting:** Surface **Enclosure:** Type 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: EXISTING **Bus Material:** CU **Bus Rating:** 400 A **MCB Rating / MLO:** EXISTING

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	KITCH EQ. #3: SNEEZE GUARD HEAT ...	20 A	1	0.18	2.00					2	25 A	KITCH EQ. #4: DROP-IN HOT WELLS	2
3	KITCH EQ. #6A: EXHAUST HOOD...	20 A	1			0.18	2.00			--	--	--	4
5	KITCH EQ. #7A: INDUCTION RANGE	30 A	2					2.90	2.90	2	30 A	KITCH EQ. #7B: INDUCTION RANGE	6
7	--	--	--	2.90	2.90					--	--	--	8
9	KITCH EQ. #9: WAFFLE BAKER	20 A	1			0.90	0.75			1	20 A	KITCH EQ. #11: PIZZA PREP FRIDGE	10
11	KITCH EQ. #12: UNDERCOUNTER...	20 A	1					0.30	0.00	1	20 A	KITCH EQ. #18: POS	12
13	KITCH EQ. #19: SELF SERVICE...	20 A	1	1.77	0.36					1	20 A	KITCH EQ. #20: SNEEZE GUARD HEA...	14
15	KITCH EQ. #21A: DROP-IN HOT/COLD...	20 A	2			1.50	0.35			1	20 A	KITCH EQ. #21B: DROP-IN HOT/COLD...	16
17	--	--	--					1.50	12.00	2	30 A	KITCH EQ. #22: INDUCTION RANGE	18
19	KITCH EQ. #23: GRIDDLE STAND...	20 A	1	0.30	12.00					--	--	--	20
21	KITCH EQ. #22: INDUCTION RANGE	30 A	2			12.00	0.18			1	20 A	KITCH EQ. #25A: EXHAUST HOOD...	22
23	--	--	--					12.00	0.18	1	20 A	KITCH EQ. #27: SNEEZE GUARD HEA...	24
25	KITCH EQ. #24: CHARBROILER	40 A	2	3.30	0.85					1	20 A	KITCH EQ. #29A: DROP-IN HEATED...	26
27	--	--	--			3.30	0.85			1	20 A	KITCH EQ. #29B: DROP-IN HEATED...	28
29	KITCH EQ. #28: DROP-IN HOT WELLS	25 A	2					2.00	0.18	1	20 A	KITCH EQ. #30: SNEEZE GUARD HEA...	30
31	--	--	--	2.00	1.00					1	20 A	KITCH EQ. #35: MOBILE WARMING...	32
33	KITCH EQ. #39: UNDERCOUNTER...	20 A	1			0.30	2.50			2	30 A	KITCH EQ. #40: PANINI GRILL	34
35	SPARE	20 A	1					0.00	2.50	--	--	--	36
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42
			Phase Load:	29.56 kVA		24.81 kVA		36.46 kVA					
			Phase...	252.4 A		206.7 A		309.9 A					
			Total Load:	90.83 kVA									
			Total Amps:	252.11 A									

Notes:

Branch Panel: 6LP-2 SEC1

Location: SECURITY 005 **Supply From:** EXISTING SWITCHGEAR **Mounting:** Surface **Enclosure:** Type 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: EXISTING **Bus Material:** CU **Bus Rating:** 225 A **MCB Rating / MLO:** MLO

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	RECEPTACLES OFFICE 004	20 A	1	1.08	0.72					1	20 A	RECEPTACLES OFFICE 006	2
3	RECEPTACLES OFFICE 006	20 A	1			1.08	1.08			1	20 A	RECEPTACLES MANAGER 007	4
5	RECEPTACLES FOUNDERS ROOM 003	20 A	1					1.08	0.90	1	20 A	RECEPTACLES FOUNDERS ROOM003	6
7	RECETPACLES SUN ROO 002	20 A	1	1.08	0.36					1	20 A	FLOOR BOX SUN ROOM 002	8
9	EXISTING CIRCUIT TO REMAIN	20 A	1			0.00	0.00			1	20 A	SPARE	10
11	EXISTING CIRCUIT TO REMAIN	20 A	1					0.00	0.00	1	20 A	EXISTING CIRCUIT TO REMAIN	12
13	RECEPTACLES TOWER ONE RECP....	20 A	1	0.72	0.00					1	20 A	EXISTING CIRCUIT TO REMAIN	14
15	RECEPTACLES TOILETS 023, 024 & 025	20 A	1			0.72	0.90			1	20 A	RECEPTACLES TOWER ONE RECP....	16
17	RECEPTACLES LEGION LOUNGE 030	20 A	1					0.90	0.00	3	70 A	EXISTING CIRCUIT TO REMAIN	18
19	SPARE	20 A	1	0.00	0.00					--	--	--	20
21	EWC CORRIDOR C004	20 A	1			0.18	0.00			--	--	--	22
23	EWC CORRIDOR C004	20 A	1					0.18	0.72	1	20 A	RECEPTS VEST. 044 & CORR C004	24
25	RECEPTACLES BISTRO 34	20 A	1	0.54	0.90					1	20 A	RECEPTACLES CHARLIES CAFE 030C	26
27	FLOOR BOXES OAK GRILLE 031	20 A	1			0.72	0.72			1	20 A	FLOOR BOXES ELM GRILLE 032	28
29	INV-1	20 A	1					0.38	0.90	1	20 A	PWR - MOTORIZED SHADES SUN...	30
31	EXISTING CIRCUIT TO REMAIN	20 A	3	0.00	0.55					1	20 A	INV-3	32
33	--	--	--			0.00	0.25			2	20 A	FIREPLACE SUN ROOM 002	34
35	--	--	--					0.00	0.25	--	--	--	36
37	FIREPLACE LEGION LOUNGE 030	20 A	2	0.25	0.00					1	20 A	SPARE	38
39	--	--	--			0.25	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42
			Phase Load:	13.76 kVA		12.75 kVA		12.17 kVA					
			Phase...	115.4 A		107 A		101.4 A					
			Total Load:	38.68 kVA									
			Total Amps:	107.37 A									

Notes:

Branch Panel: NPB

Location: MECHANICAL X2 **Supply From:** EXISTING SWITCHGEAR **Mounting:** Surface **Enclosure:** Type 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: 22K **Bus Material:** CU **Bus Rating:** 225 A **MCB Rating / MLO:** 200 A MLO

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	RTU-1	50 A	3	4.56	10.08					3	110 A	MAU-1	2
3	--	--	--			4.56	10.08			--	--	--	4
5	--	--	--					4.56	10.08	--	--	--	6
7	MAU-2	20 A	3	0.72	0.72					2	20 A	EF-1	8
9	--	--	--			0.72	0.72			--	--	--	10
11	--	--	--					0.72	0.72	2	20 A	EF-2	12
13	EF-3	20 A	2	0.37	0.72					--	--	--	14
15	--	--	--			0.37	0.37			2	20 A	EF-4	16
17	EF-5	20 A	2					0.37	0.37	--	--	--	18
19	--	--	--	0.37	0.54					1	20 A	ROOF TOP RECEPTACLES	20
21	ROOF TOP RECEPTACLES	20 A	1			0.36	0.00			2	30 A	SPARE	22
23	SPARE	20 A	3					0.00	0.00	--	--	--	24
25	--	--	--	0.00	0.00					3	30 A	SPARE	26
27	--	--	--			0.00	0.00			--	--	--	28
29	SPARE	20 A	2					0.00	0.00	--	--	--	30
31	--	--	--	0.00	0.00					1	20 A	SPARE	32
33	PWR - MOTORIZED DAMPER	20 A	1			0.30	0.00			1	20 A	SPARE	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42
			Phase Load:	18.08 kVA		17.49 kVA		16.83 kVA					
			Phase...	151.5 A		146.6 A		140.2 A					
			Total Load:	52.40 kVA									
			Total Amps:	145.44 A									

Notes:

Branch Panel: KPP-B (ETR)

Location: STORAGE 038 **Supply From:** EXISTING SWITCHGEAR **Mounting:** Surface **Enclosure:** Type 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: EXISTING **Bus Material:** CU **Bus Rating:** 400 A **MCB Rating / MLO:** EXISTING

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	KITCH EQ. #43: BEVERAGE BLENDER	20 A	1	1.80	0.30					1	20 A	KITCH EQ. #45: UNDERCOUNTER...	2
3	KITCH EQ. #46A: COFFEE MAKER	30 A	2			2.30	2.30			2	30 A	KITCH EQ. #46B: COFFEE MAKER	4
5	--	--	--					2.30	2.30	--	--	--	6
7	KITCH EQ. #49: OVEN	20 A	1	0.25	0.18					1	20 A	KITCH EQ. #50A: EXHAUST HOOD...	8
9	KITCH EQ. #51: UNDERCOUNTER...	20 A	1			0.30	31.50			3	60 A	KITCH EQ. #102: DISHMACHINE -...	10
11	KITCH EQ. #110: DISHMACHINE -...	60 A	3					31.50	31.50	--	--	--	12
13	--	--	--	31.50	31.50					--	--	--	14
15	--	--	--			31.50	0.37			2	20 A	DEF-1	16
17	DEF-2	20 A	2					0.37	0.37	--	--	--	18
19	--	--	--	0.37	0.53					1	20 A	ELTG - KITCHEN	20
21	LTG - KITCHEN	20 A	1			0.62	0.25			2	20 A	FIREPLACE DISPLAY KITCHEN	22
23	SPARE	20 A	1					0.00	0.25	--	--	--	24
25	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	26
27	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	28
29	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	32
33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42
			Phase Load:	66.43 kVA		69.15 kVA		68.60 kVA					
			Phase...	553.6 A		579 A		574.4 A					
			Total Load:	204.18 kVA									
			Total Amps:	566.75 A									

Notes:

Branch Panel: 6LP-2 SEC2

Location: SECURITY 005 **Supply From:** 6LP-2 SEC1 **Mounting:** Surface **Enclosure:** Type 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: EXISTING **Bus Material:** CU **Bus Rating:** 225 A **MCB Rating / MLO:** 150 A MLO

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
43	RECEPTACLES NAILS 009	20 A	1	0.36	1.08					1	20 A	RECEPTACLES ELM GRILLE 032	44
45	RECEPTACLES ELM GRILLE 032	20 A	1			0.72	0.54			1	20 A	RECEPTACLES CORRIDOR C004	46
47	RECEPTACLES CHARLIES CAFE 030C	20 A	1					0.90	0.72	1	20 A	RECEPTACLES CORRIDOR C004	48
49	RECEPTACLES SALON 008	20 A	1	0.36	0.36					1	20 A	RECEPTACLES NAILS 009	50
51	RECEPTACLES NAILS 009	20 A	1			0.36	0.36			1	20 A	RECEPTACLES MASSAGE 009A	52
53	RECEPTACLE SALON 008	20 A	1					0.18	0.18	1	20 A	RECEPTACLE SALON 008	54
55	RECEPTACLE SALON 008	20 A	1	0.18	0.54					1	20 A	RECEPTACLES GIFT SHOP 010	56
57	RECEPTACLES GIFT SHOP 010	20 A	1			0.54	0.72			1	20 A	RECEPTACLES TOWER ONE ELEV....	58
59	RECETPACLES CORRS. C002 & COO3	20 A	1					0.54	0.72	1	20 A	RECEPTACLES BISTRO 031A/ OAK 031	60
61	RECEPTACLES SMOKING ROOM 013	20 A	1	0.90	0.18					1	20 A	ATM MACHINE CORRIDOR C002	62
63	RECEPTACLE - TV OAK GRILLE 031	20 A	1			0.18	0.36			1	20 A	FLOOR BOX TOWER ONE RECEP. 021	64
65	RECEPTACLE PREP AREA O33 AV...	20 A	1					0.36	0.27	1	20 A	CUH-A	66
67	RECEPTACLE PREP AREA O33 AV...	20 A	1	0.36	1.18					1	20 A	SE-1	68
69	LTG - RM 003, 004, 006, 007, 013	20 A	1			0.24	0.86			1	20 A	LTG - RM 008, 009, 009A, 010, 041	70
71	LTG - RM 023, 024, 025, 026	20 A	1					0.75	0.14	1	20 A	ELTG - RM 023, 024, 025	72
73	ELTG - RM 002, C001, C002, C003, 020...	20 A	1	0.35	0.70					1	20 A	LTG - RM 002, 021	74
75	LTG - C001, C002, C003, 020, 042, 043	20 A	1			1.15	0.84			1	20 A	ELTG - 030, 030C, 031, 031A, 032, 034	76
77	LTG - C004, 030C, 034, 044	20 A	1					0.87	1.26	1	20 A	LTG - 000, 030, 030A, 030B, 031	78
79	LTG - 031, 032, 034	20 A	1	0.96	0.07					1	20 A	ELTG - SUN ROOM 002	80
81	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	82
83	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	84
			Phase Load:	7.56 kVA		6.85 kVA		6.87 kVA					
			Phase...	63 A		57.1 A		57.2 A					
			Total Load:	21.28 kVA									
			Total Amps:	59.07 A									

Notes:

MOTOR / EQUIPMENT CIRCUIT SCHEDULE

EQUIPMENT	OCPD	PANEL	LOAD HP	LOAD MCA	LOAD KW	LOAD PH	LOAD VOLT	LOCAL DISC. SW	MOTOR STARTER SIZE	MOTOR STARTER TYPE	MOTOR STARTER LOCATION	WIRING	REMARKS
RTU-1	50A-3P	NPB	-	42	-	3	208	VFD	-	-	-	3#8 #10G, 1"C	
MAU-1	110A-3P	NPB	-	90	-	3	208	VFD	-	-	-	3#2, #6G, 1 1/4"C	
MAU-2	20A-3P	NPB	-	7.0	-	3	208	VFD	-	-	-	3#12 #12G, 3/4"C	
VRF-1	20A-2P	NPA	-	2.88	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	WIRE ALL VRF'S TOGETHER TO (1)20A-2P CIRCUIT BREAKER IN PANEL NPA
VRF-2	20A-2P	NPA	-	2.88	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	WIRE ALL VRF'S TOGETHER TO (1)20A-2P CIRCUIT BREAKER IN PANEL NPA
VRF-3	20A-2P	NPA	-	0.28	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	WIRE ALL VRF'S TOGETHER TO (1)20A-2P CIRCUIT BREAKER IN PANEL NPA
VRF-4	20A-2P	NPA	-	0.28	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	WIRE ALL VRF'S TOGETHER TO (1)20A-2P CIRCUIT BREAKER IN PANEL NPA
VRF-5	20A-2P	NPA	-	0.29	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	WIRE ALL VRF'S TOGETHER TO (1)20A-2P CIRCUIT BREAKER IN PANEL NPA
VRF-6	20A-2P	NPA	-	-	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	WIRE ALL VRF'S TOGETHER TO (1)20A-2P CIRCUIT BREAKER IN PANEL NPA
CU-1	45A-2P	NPA	-	29	-	1	208	60A/2P	-	-	-	3#8, #10G, 1"C	
CU-2	45A-2P	NPA	-	29	-	1	208	60A/2P	-	-	-	3#8, #10G, 1"C	
CU-3	30A-2P	NPA	-	11	-	1	208	30A/2P	-	-	-	3#10, #10G, 3/4"C	
CU-4	30A-2P	NPA	-	11	-	1	208	30A/2P	-	-	-	3#10, #10G, 3/4"C	
UV-A	20A-2P	NPA	-	3.8	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	WIRE (2) UV-A'S TOGETHER TO (1)20A-2P CIRCUIT BREAKER IN PANEL NPA
CUH-A	20A-1P	6LP-2 SEC 2	-	2.8	-	1	120	MAN	-	-	-	2#12, #12G, 3/4"C	
SE-1	20A-1P	6LP-2 SEC 2	-	9.8	-	1	120	MAN	-	-	-	2#10, #10G, 3/4"C	
ERV-A	30A-2P	NPA	-	18.4	-	1	208	MAN	-	-	-	3#10, #10G, 3/4"C	
EF-1	20A-2P	NPB	3/4	-	-	1	208	DIV.23	-	-	-	3#12, #12G, 3/4"C	
EF-2	20A-2P	NPB	3/4	-	-	1	208	DIV.23	-	-	-	3#12, #12G, 3/4"C	
EF-3	20A-2P	NPB	1/3	-	-	1	208	DIV,23	-	-	-	3#12, #12G, 3/4"C	
EF-4	20A-2P	NPB	1/3	-	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	
EF-5	20A-2P	NPB	1/3	-	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	
DEF-1	20A-2P	VARIES	1/3	-	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	
DEF-2	20A-2P	VARIES	1/3	-	-	1	208	30A/2P	-	-	-	3#12, #12G, 3/4"C	

GENERAL NOTES:
1. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE AND SHALL BE LOCATED AT EQUIPMENT LOCATION UNLESS OTHERWISE NOTED.
2. ABBREVIATIONS:
   - MAN: MANUAL STARTER (TOGGLE SWITCH WITH THERMAL OVERLOADS)
   - FVNR: COMBINATION FULL VOLTAGE NON-REVERSING STARTER/ DISCONNECT SWITCH
   - VFD: VARIABLE FREQUENCY DRIVE, FURNISHED BY DIV. 23, WIRED BY DIV. 26. PROVIDE POWER WIRING FROM SOURCE PANELBOARD TO VFD AND FROM VFD TO MOTOR(S). COORDINATE EXACT LOCATION IN FIELD WITH DIV.23.
   - DIV.21: EQUIPMENT FURNISHED BY DIVISION 21 FIRE PROTECTION CONTRACTOR
   - DIV.22: EQUIPMENT FURNISHED BY DIVISION 22 PLUMBING CONTRACTOR
   - DIV.23: EQUIPMENT FURNISHED BY DIVISION 23 HVAC CONTRACTOR
   - SPC: SINGLE POINT CONNECTION (STARTERS INTEGRAL TO EQUIPMENT). COORDINATE EXACT POINT OF CONNECTION IN FIELD.
3. OVERCURRENT PROTECTION DEVICES (OCPD) SHALL BE MOLDED CASE CIRCUIT BREAKERS UNLESS NOTED WITH AN "F" FOR FUSE.
4. DISCONNECT SWITCHES AND STARTERS SHALL BE NEMA 3R RATED WHEN LOCATED OUTSIDE.
5. REFER TO PANEL SCHEDULES FOR SOURCE PANEL/ CIRCUIT INFORMATION.
6. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR EXACT LOCATIONS OF EQUIPMENT.
7. STARTERS SHALL BE SQUARE D CLASS 8536 OR APPROVED EQUAL.

Branch Panel: OP4

Location: ELEC. 062 **Supply From:** EXISTING SWITCHGEAR **Mounting:** Surface **Enclosure:** Type 1
Volts: 120/208 Wye **Phases:** 3 **Wires:** 4
A.I.C. Rating: EXISTING **Bus Material:** CU **Bus Rating:** 225 A **MCB Rating / MLO:** 150A MCB

CKT	Circuit Description	Trip	Poles	A	A	B	B	C	C	Poles	Trip	Circuit Description	CKT
1	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	2
3	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	4
5	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	6
7	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	8
9	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	10
11	RECEPTACLES CREATIVITY STUDIO...	20 A	1					1.26	0.90	1	20 A	RECEPTACLES CREATIVITY STUDIO...	12
13	RECEPTACLES CORR. C007 & LIB 053	20 A	1	0.90	0.72					1	20 A	RECEPTACLES LIBRARY 053	14
15	RECEPTACLES ACTIVITY OFFICE 055	20 A	1			0.54	0.72			1	20 A	RECEPTACLES ACTIVITY OFFICE 055	16
17	RECEPTACLES STAFF LOUNGE 057	20 A	1					0.90	0.18	1	20 A	REFRIGERATOR STAFF LOUNGE 057	18
19	MICROWAVE STAFF LOUNGE 057	20 A	1	0.18	0.54					1	20 A	RECEPTACLES STAFF LOUNGE 057	20
21	RECEPTACLES SANC. & FELLOW 060	20 A	1			0.90	0.90			1	20 A	RECEPTACLES SANC. & FELLOW 060	22
23	RECEPTACLES ROOMS 060, 061 & 062	20 A	1					0.72	0.72	1	20 A	RECEPTACLES SANC. & FELLOW 060	24
25	RECEPTACLES TOWER EAST REC. 071	20 A	1	0.72	0.86					1	20 A	RECEPTACLES VEST. 070	26
27	RECEPTACLES SITTING AREA 065	20 A	1			0.72	0.36			1	20 A	RECEPTACLES TOILETS 063 & 064	28
29	RECEPTS CORR. C006 & LOUNGE 052	20 A	1					0.90	0.00	1	20 A	SPARE	30
31	RECEPTACLES CONF. ROOM 050	20 A	1	1.08	0.72					1	20 A	RECEPTACLES CONF. ROOM 050	32
33	RECEPTACLES CONF. ROOM 050	20 A	1			0.72	0.72			1	20 A	RECEPTACLES MAINTENANCE 075	34
35	RECEPTACLES MAINTENANCE 075	20 A	1					1.08	0.90	1	20 A	RECEPTACLES OFFICE 078	36
37	RECEPTACLES MAINTENANCE 075	20 A	1	0.54	0.90					1	20 A	RECEPTACLES LOBBY C011	38
39	RECEPTACLES EAST LOUNGE 073	20 A	1			1.08	0.54			1	20 A	TELEVISION LOUNGE 052	40
41	LTG - RM 055, 057, 060, 061	20 A	1					1.40	0.35	1	20 A	ELTG - RM 057, 060, 062	42
43	LTG - C004, C005, 052	20 A	1	0.00	0.61					1	20 A	LTG - RM 053, 054, 063, 064	44
45	LTG - C006, C007	20 A	1			0.53	0.42			1	20 A	ELTG - C004, C005, C006, C007, 050,...	46
47	LTG - RM 050	20 A	1					0.05	0.32	1	20 A	LTG - RM 075, 076, 077, 078	48
49	LTG - C006, C011, 065, 070, 071, 073,...	20 A	1	0.77	0.30					1	20 A	LCP	50
51	INV-6	20 A	1			0.55	0.75			1	20 A	INV-7	52
53	INV-5	20 A	1					0.55	1.10	1	20 A	INV-4	54
55	INV-2	20 A	1	0.55	0.00					1	20 A	SPARE	56
57	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	58
59	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	60
61	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	62
63	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	64
65	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	66
67	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	68
69	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	70
71	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	72
73	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	74
75	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	76
77	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	78
79	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	80
81	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	82
83	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	84
			Phase Load:	9.38 kVA		9.45 kVA		11.32 kVA					
			Phase...	78.2 A		78.8 A		94.4 A					
			Total Load:	30.14 kVA									
			Total Amps:	83.66 A									

Notes:

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REVISIONS

NO	DATE	DESCRIPTION
2	10/12/2022	ADDENDUM #4
1	10/4/2022	ADDENDUM #2

PROJECT NAME:
THE TOWERS

PROJECT ADDRESS:
18 TOWER LANE
NEW HAVEN, CT 06519

PROJECT NUMBER:
20200157

DRAWING TITLE:
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DATE: **9/23/2022** CHECKED BY: **VCM**

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