



Submittal #024100-001.2

024100 - Building Demolition

SD_Engineered Demolition Plan

APPROVERS:	Kevin Mahoney (Consigli Construction Co., Inc.) John Porter (Simpson Gumpertz & Heger (SGH)) Linda Seymour (Simpson Gumpertz & Heger (SGH))	SUBMITTAL MANAGER:	Kevin Mahoney (Consigli Construction Co., Inc.)
RESPONSIBLE CONTRACTOR:	Northstar Group Services Inc. Jake Versaci (Northstar Group Services Inc.)	STATUS:	Pending
TYPE:	Construction	SPEC SECTION:	024100 - Building Demolition
COPIES TO: Casey Wilcox (Consigli Construction Co., Inc.) , Craig Pearson (Northstar Group Services Inc.) , Garrett Gordon (Consigli Construction Co., Inc.) , Jake Versaci (Northstar Group Services Inc.) , John Porter (Simpson Gumpertz & Heger (SGH)) , John Ryan (Northstar Group Services Inc.) , Linda Seymour (Simpson Gumpertz & Heger (SGH))			
DESCRIPTION: Please see the attached revision of the engineered demolition plan from NorthStar, submitted for review and approval.			
ATTACHMENTS:			

ARCHITECT'S STAMP

CONTRACTOR'S STAMP

Consigli Construction Co., Inc.	
<input checked="" type="checkbox"/> Approved for A/E Review	<input type="checkbox"/> Revise & Resubmit
<input type="checkbox"/> Approved as Noted for A/E Review	<input type="checkbox"/> Rejected
Spec. Section: 024100	Submittal No.: 024100-001
Date: 11/19/2025	By: Kevin Mahoney
If so marked, approval is given for design only. It does not relieve the subcontractor from complying with the requirements of the contract, contract drawings and specifications. The subcontractor shall be responsible for all dimensions, quantities, schedules and field conditions.	

SUBMITTAL WORKFLOW

#	NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
1	Kevin Mahoney	Approver		11/19/2025	11/19/2025	Approved		
2	John Porter	Approver	11/19/2025	12/3/2025		Pending		
3	Linda Seymour	Approver	11/19/2025	12/3/2025		Pending		

BY

DATE

COPIES TO

EMERGENCY DEMOLITION OF 9-STORY BUILDING
RIVERVIEW CONDOMINIUMS
221 MT. AUBURN ST, CAMBRIDGE, MA

1.0 GENERAL NOTES

- 1.1 THESE PLANS ADDRESS THE MEANS-AND-METHODS FOR THE EMERGENCY STRUCTURAL DEMOLITION OF THE 9-STORY RESIDENTIAL BUILDING AT 221 MT. AUBURN ST, CAMBRIDGE, MA.
- THE CITY OF CAMBRIDGE DEEMED THE BUILDING UNSAFE AND ORDERED THE BUILDING TO BE DEMOLISHED. THE UNSAFE CONDITION IS DUE TO DEFICIENCIES OBSERVED AT THE SLAB-TO-COLUMN CONNECTIONS THROUGHOUT THE BUILDING BY THE ENGINEERING FIRM SIMPSON GUMPERTZ & HEGER INC (SGH).
- THE DEFICIENCIES INCLUDE MISPLACED SLAB REINFORCEMENT, LOW CONCRETE STRENGTH, UTILITY PENETRATIONS IN SLABS ADJACENT TO COLUMNS, REINFORCING STEEL CORROSION, AND PREVIOUS SLAB REPAIRS THAT ARE DETRIMENTAL TO THE SLAB-TO-COLUMN CONNECTIONS.
- THE BUILDING IS PRESENTLY VACANT AND SCHEDULED FOR IMMEDIATE DEMOLITION.
- 1.2 THE STRUCTURE IS AN EARLY 1960's REINFORCED CONCRETE BUILDING WITH TWO-WAY SLAB FLAT PLATE FLOOR CONSTRUCTION. IN PLAN, THE BUILDING IS 3-BAYS WIDE (52'-6" IN THE NS-DIRECTION) x 22-BAYS LONG (231'-6" IN THE EW-DIRECTION). THE 1ST TO 6TH FLOORS ARE SPLIT LEVEL FLOORS WHERE THERE IS A 4'-1" VERTICAL OFFSET BETWEEN THE TWO LEVELS AT EACH FLOOR. THE NORTH SIDE BEING THE HIGHER LEVEL. THE SLAB THICKNESS VARIES BETWEEN 6½" AND 7½".
- THE TYPICAL COLUMN DIMENSIONS VARY FROM 12x14 TO 12x16.
- THE EXTERIOR WALLS ARE MASONRY CURTAIN WALLS SUPPORTED ON INDIVIDUAL FLOORS.
- THE HEIGHT OF THE BUILDING IS 84'± TO THE MAIN ROOF OVER THE 8TH FLOOR. ON TOP OF THE MAIN ROOF IS A SMALL 15'± HIGH BULKHEAD. THERE IS NO CELLAR BELOW-GRADE.
- THE LATERAL SYSTEM IN THE NORTH-SOUTH DIRECTION IS COMPRISED OF 12" THICK x 13'± WIDE FULL-HEIGHT SHEAR WALLS LOCATED AT THE QUARTER POINTS (+/-) ALONG THE LENGTH OF THE BUILDING (GRIDLINES 1, 6, 12, 18, AND 23). THE LATERAL SYSTEM IN THE EAST-WEST DIRECTION IS COMPRISED OF MOMENT FRAMES FORMED BETWEEN THE COLUMNS AND FLAT SLABS.

2.0 DEMOLITION PROCEDURE

- 2.1 DUE TO THE UNSAFE CONDITION OF THE BUILDING, THE DEMOLITION AND DEBRIS REMOVAL WILL BE PERFORMED FROM OUTSIDE THE BUILDING USING HIGH-REACH EXCAVATORS AND CONVENTIONAL EXCAVATORS.
- NO INDIVIDUALS ARE PERMITTED WITHIN AND AROUND THE BUILDING AT ANY TIME.
- EXCLUSION ZONES ARE ESTABLISHED FOR DEMOLITION OPERATIONS AND FOR WHEN DEMOLITION OPERATIONS CEASE.
- 2.2 THE DEMOLITION PROCEDURE IS ORGANIZED IN A SIX STEP SEQUENCE :
- | SEQUENCE | OPERATION |
|----------|--|
| 1 | DEMOLISH THE BALCONIES ON THE SOUTH SIDE OF THE BUILDING BETWEEN GRIDLINES A TO B AND 1 TO 23. |
| 2 | DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO C/D AND 1 TO 6 FROM SOUTH TO NORTH. |
| 3 | DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO C/D AND 18 TO 23 FROM SOUTH TO NORTH.
DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES C/D TO E AND 18 TO 23 FROM SOUTH TO NORTH. |
| 4 | DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES C/D TO E AND 1 TO 6 FROM SOUTH TO NORTH. |
| 5 | DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO E AND 6 TO 12 FROM WEST TO EAST. |
| 6 | DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO E AND 12 TO 18 FROM EAST TO WEST. |

3.0 DEMOLITION MECHANICAL EQUIPMENT

- 3.1 THE DEMOLITION REQUIRES THE USE OF SPECIALIZED EXCAVATORS, MANLIFTS, SKID-STEER AND LOADERS, AND A VARIETY OF OTHER HANDHELD AND NON-HANDHELD DEMOLITION EQUIPMENT.
- FOLLOW ALL MANUFACTURER'S SPECIFICATIONS AND SAFETY REQUIREMENTS.
- ONLY QUALIFIED INDIVIDUALS SHALL OPERATE THE EQUIPMENT.
- NEVER EXCEED THE RATED CAPACITY OF THE MACHINE.
- THE MACHINES SHALL NOT BE MODIFIED WITHOUT THE CONSENT OF THE MANUFACTURER.
- 3.2 FOR MANLIFT USE :
- FOLLOW MANUFACTURER'S SPECIFICATIONS REGARDING THE SET-UP AND USE OF THE MANLIFT.
 - ENSURE THE MACHINE IS POSITIONED ON A FIRM, LEVEL, AND SMOOTH SURFACE BEFORE ELEVATING THE PLATFORM OR DRIVING WITH THE PLATFORM IN THE ELEVATED POSITION.
 - DO NOT OPERATE THE MACHINE WHEN WIND CONDITIONS EXCEED THE LIMITS ESTABLISHED BY THE MANUFACTURER. REFERENCE THE OPERATOR'S MANUAL FOR WIND SPEED LIMITATIONS.
 - MEN SHALL TIE OFF USING OSHA RATED FALL ARREST SYSTEM FASTENED TO OSHA COMPLIANT TIE OFF POINTS WHEN WORKING FROM THE MANLIFT.

4.0 SAFEGUARDS DURING DEMOLITION

- 4.1 COMBUSTIBLE DEBRIS SHALL NOT BE PERMITTED TO ACCUMULATE AND SHALL BE REMOVED FROM THE SITE AT REASONABLE INTERVALS. A WATER SUPPLY FOR FIRE PROTECTION AND FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH CAMBRIDGE FIRE DEPARTMENT RULES.
- 4.2 ALL HOT WORKS SHALL COMPLY WITH BOSTON FIRE DEPARTMENT RULES AND NFPA REQUIREMENTS. FIRE WATCH SHALL BE MAINTAINED DURING HOT WORK OPERATIONS. THE FIRE WATCH SHALL CONTINUE FOR A MINIMUM OF 30 MINUTES AFTER THE CONCLUSION OF THE WORK INCLUDING ANY BREAK IN ACTIVITY.
- 4.3 AREAS DESIGNATED AS CONTROLLED ACCESS ZONES MUST BE CLEARLY MARKED TO ALERT WORKERS OF THE PRESENCE OF INCREASED RISKS IN THESE AREAS. MOVEABLE BARRIERS, GUARDRAILS, POLICE BARRICADES, CAUTION TAPE, ROPE, OR SIMILAR MEANS SHALL BE USED TO DEFINE THE CONTROLLED ACCESS ZONE.
- ONLY INDIVIDUALS NEEDED FOR THE OPERATION ARE PERMITTED IN THE CONTROLLED ACCESS ZONES. ALL OTHERS ARE RESTRICTED FROM ENTERING.
- A DAILY SAFETY MEETING SHALL BE HELD WITH ALL INDIVIDUALS INVOLVED IN THE OPERATION TO REVIEW THE HAZARDS AND SAFEGUARDS NECESSARY TO PERFORM THE WORK. THE DEMOLITION CONTRACTOR'S COMPETENT PERSON SHALL BE RESPONSIBLE FOR ESTABLISHING THE CONTROLLED ACCESS ZONES, EXCLUSION ZONES, AND VERIFYING THAT ALL INDIVIDUALS ASSOCIATED WITH THE WORK ARE AWARE OF THE RESTRICTED AREAS AND HAZARDS.
- 4.4 A SPOTTER SHALL BE DEDICATED TO MONITOR THE CONTROLLED ACCESS ZONE TO VERIFY THAT ONLY INDIVIDUALS NECESSARY TO PERFORM THE OPERATION ARE ALLOWED WITHIN THE CONTROLLED ACCESS ZONE AND THAT THEY ARE AWARE OF THE HAZARDS.
- 4.5 DURING THE COURSE OF DEMOLITION, NEW HAZARDS MAY BE DISCOVERED OR CREATED BY THE DEMOLITION PROCESS. THE CONTROL ACCESS ZONE MAY NEED TO BE MODIFIED, OR AN EXCLUSION ZONE MAY NEED TO BE IMPLEMENTED TO MAKE THE WORK AREA SAFE. THE COMPETENT PERSON SHALL EVALUATE THE CONDITIONS AND TAKE THE NECESSARY STEPS TO MAKE THESE FIELD CHANGES. THE COMPETENT PERSON SHALL JUDGE IF THE DEMOLITION ENGINEER IS REQUIRED TO EVALUATE THE CONDITIONS AND ASSIST IN THIS EFFORT. THE CONTROLLED ACCESS ZONE SHALL REMAIN IN EFFECT UNTIL THE STRUCTURE IS DEMOLISHED TO A SAFE HEIGHT.
- 4.6 AREAS DESIGNATED AS EXCLUSION ZONES ARE CALLED FOR TO IDENTIFY WHERE IT IS UNSAFE FOR INDIVIDUALS TO BE PRESENT WHEN DEMOLITION IS IN PROGRESS.
- NO INDIVIDUAL SHALL BE PERMITTED IN ANY AREA WHICH CAN BE ADVERSELY AFFECTED BY DEMOLITION OPERATIONS WHEN DEMOLITION IS IN PROGRESS. ONLY THOSE INDIVIDUALS NECESSARY TO THE OPERATION SHALL BE PERMITTED IN THESE AREAS DURING ACTIVE DEMOLITION.
- SITE PERSONNEL SHALL BE MADE AWARE OF THE HAZARDS, LIMITS OF EXCLUSION ZONES, AND WHEN THEY ARE IN EFFECT.
- 4.7 IN THE PLANS WHERE EXCLUSION ZONES ARE SPECIFIED USING A PHYSICAL BARRIER OR VISIBLE DEMARCATION, SUCH EXCLUSION ZONES SHALL BE IDENTIFIED IN THE FIELD WITH A PHYSICAL BARRIER OR VISIBLE MARKING, USING YODOCK BARRIERS, MOVEABLE CHAINLINK FENCING, METAL POLICE BARRICADES, ROPE, CAUTION TAPE, SPRAY PAINT, OR THE LIKE.

- 4.8 IN THE PLANS WHERE CONTROLLED ACCESS ZONES OR EXCLUSION ZONES ARE SPECIFIED WITHOUT A PHYSICAL BARRIER, THE LIMITS OF THE CONTROLLED ACCESS ZONE OR EXCLUSION ZONE SHALL BE MADE KNOW BY MEANS OF COMMUNICATION AT DAILY SAFETY MEETINGS. THE COMPETENT PERSON SHALL REVIEW THE HAZARDS AND CONTROLLED ACCESS ZONE/EXCLUSION ZONE AREAS WITH THE CREW, AND VERIFY THAT ALL INDIVIDUALS INVOLVED WITH THE WORK ARE AWARE OF THE RESTRICTED AREAS AND ASSOCIATED HAZARDS.
- 4.9 COMPETENT PERSON — ONE WHO IS CAPABLE OF IDENTIFYING EXISTING AND PREDICTABLE HAZARDS IN THE SURROUNDINGS OR WORKING CONDITIONS, WHICH ARE UNSANITARY, HAZARDOUS TO EMPLOYEES, AND WHO HAS THE AUTHORIZATION TO TAKE THE PROMPT CORRECTIVE MEASURES TO ELIMINATE THEM.
- CONTROLLED ACCESS ZONE — AN AREA WHERE ONLY INDIVIDUALS NECESSARY TO PERFORM A TASK ARE PERMITTED. INDIVIDUALS NOT REQUIRED FOR THE TASK SHALL BE RESTRICTED FROM ENTERING.
- EXCLUSION ZONE — AN AREA THAT IS HAZARDOUS AND ACCESS FOR ANY INDIVIDUAL IS RESTRICTED UNLESS OTHERWISE NOTED.

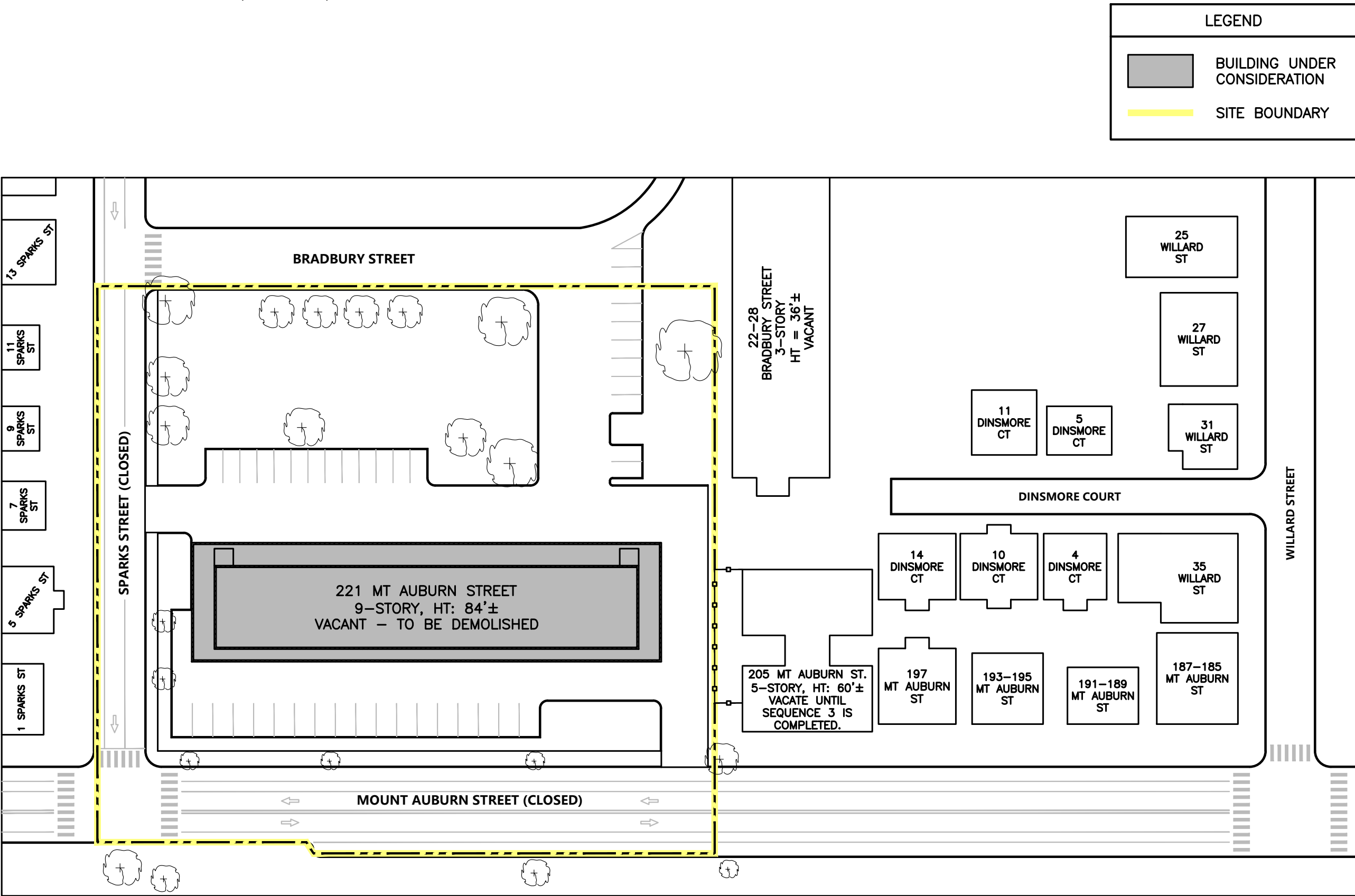
5.0 DUST CONTROL AND HAZARDOUS MATERIALS

- 5.1 FOLLOW ALL THE REQUIREMENTS IN ACCORDANCE WITH DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) NON-TRADITIONAL WORK PLAN.
- 5.2 DUST PRODUCING OPERATIONS SHALL BE WETTED DOWN TO THE EXTENT NECESSARY TO CONTROL THE DUST THROUGHOUT ALL PHASES OF THE PROJECT. LABORERS SHALL HAVE WATER HOSES AND SHALL BE SITUATED AT POTENTIAL SOURCES OF DUST GENERATION TO WET DOWN THE MATERIAL.
- 5.3 CARE SHALL BE TAKEN WITH WATER USAGE THROUGHOUT THE DEMOLITION USING ONLY AMOUNTS OF WATER REQUIRED TO ENSURE EFFECTIVE DUST CONTROL. WATER SUPPLIED TO THESE AREAS SHALL BE DISTRIBUTED USING ATOMIZED WATER MISTERS OR HOSES TO ENSURE THAT AIRBORNE PARTICULATES ARE KEPT TO A MINIMUM DURING THIS PROCESS.
- 5.4 ASBESTOS ABATEMENT IS NOT PART OF THIS APPLICATION. ALL REGULATIONS RELATED TO THE SAFE HANDLING OF ASBESTOS CONTAINING MATERIALS SHALL BE OBSERVED AND CARRIED OUT BY PERSONS TRAINED AND AUTHORIZED TO PERFORM SUCH WORK.
- 5.5 IF DURING THE COURSE OF WORK, HAZARDOUS MATERIALS ARE FOUND TO BE PRESENT OR SUSPECTED TO BE PRESENT, STOP WORK AND HAVE THE MATERIALS TESTED BY PERSONS TRAINED AND AUTHORIZED TO TEST SUCH MATERIALS. THE HAZARDOUS MATERIALS SHALL BE REMOVED BEFORE CONTINUING WITH THE WORK.

6.0 CONTRACTOR'S DUTIES & LIMIT OF ENGINEER'S RESPONSIBILITY :

- 6.1 THE PLANS HEREIN PRESENT A GENERAL SCHEME FOR DEMOLITION. DUE TO THE NATURE OF DEMOLITION, IT IS IMPOSSIBLE FOR THE ENGINEER TO ANTICIPATE ALL CONDITIONS OR CONTINGENCIES. IF THE CONTRACTOR DISCOVERS A CONDITION OR CIRCUMSTANCE THAT IS ASSESSED TO NEED THE ENGINEER'S SCRUTINY, THE CONTRACTOR SHALL PROVIDE TIMELY NOTIFICATION TO THE ENGINEER.
- 6.2. THE ENGINEER HAS NO ONGOING PRESENCE ON THE SITE, NO CONTROL OF ACTIVITIES ON THE SITE, NO SUPERVISORY ROLE AND NO FIELD RESPONSIBILITY FOR SITE SAFETY.
- THE ENGINEER WILL ONLY HAVE LIMITED SITE PRESENCE DURING THE INITIAL PHASES OF WORK TO BEGIN WITH FOLLOWED BY PERIODIC SITE VISITS TO ASSESS PROGRESS.
- 6.3 THE CONTRACTOR IS RESPONSIBLE FOR SUPERVISION OF THE WORK INCLUDING PERSONNEL PROTECTION IN ACCORDANCE WITH OSHA AND OTHER APPLICABLE REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC PROTECTION AND THE PROTECTION OF ADJACENT PROPERTIES IN ACCORDANCE WITH THE CITY OF CAMBRIDGE BUILDING DEPARTMENT AND FIRE DEPARTMENT REGULATIONS.
- 6.4 THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PROMPTLY OF ANY DEVIATION FROM THE PLAN, UNEXPECTED CONDITIONS OR INCIDENTS INVOLVING INJURY, COLLAPSE, PROPERTY DAMAGE OR VIOLATIONS ISSUED BY GOVERNMENT ENTITIES.

DRAWING LIST					ISSUE		
STATUS	SHEET No.	DWG No.	TITLE	REV No.	11/19/25		
N	001	DM-001.00	GENERAL NOTES AND KEY PLAN	00	●		
N	002	DM-002.00	OSHA DEMOLITION NOTES	00	●		
N	003	DM-010.00	EMERGENCY DEMOLITION - OVERALL SITE PLAN	00	●		
N	004	DM-011.00	EMERGENCY DEMOLITION - DEMOLITION PROCEDURE 1	00	●		
N	005	DM-012.00	EMERGENCY DEMOLITION - DEMOLITION PROCEDURE 2	00	●		
N	006	DM-013.00	EMERGENCY DEMOLITION - DEMOLITION PROCEDURE 3	00	●		
N	007	DM-014.00	EMERGENCY DEMOLITION - DEMOLITION SECTION 1	00	●		
N	008	DM-015.00	EMERGENCY DEMOLITION - DEMOLITION SECTION 2	00	●		
N	009	DM-020.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 1	00	●		
N	010	DM-021.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 2	00	●		
N	011	DM-022.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 3	00	●		
N	012	DM-023.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 4	00	●		
N	013	DM-024.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 5	00	●		
N	014	DM-025.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 6	00	●		
N	015	DM-026.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 7	00	●		
N	016	DM-027.00	EMERGENCY DEMOLITION - DEMOLITION DETAILS 8	00	●		
N	017	DM-030.00	EMERGENCY DEMOLITION - EXISTING DRAWING - FRAMING PLANS	00	●		
N = NEW SHEET *. = NO CHANGE *S* = SUPERSEDING (AMENDMENT) *O* = OMITTED							



KEY PLAN
SCALE: 1" = 50'



No.		DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES		CONSULTING ENGINEERS, P.C.		
266 MERRICK ROAD, SUITE 300, LYNNBROOK, N.Y. 11563		TEL: (516) 791-2600 FAX: (516) 791-5425		
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PROJECT		EMERGENCY DEMOLITION OF 9-STORY BLDG RIVERVIEW CONDOMINIUMS 221 MT. AUBURN ST, CAMBRIDGE, MA		
CONTRACTOR		NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880		
PLACE STICKER HERE		EXAMINER'S STAMP HERE		
TITLE		GENERAL NOTES AND KEY PLAN		
SEAL & SIGNATURE	DRAWING BY: JS DATE: 11/19/2025		PROJECT NO: 25392.00.00	
	ENGINEER: JS		SCALE: AS NOTED	
	CHK BY: JS		10/22/2025	
	DWG NO:		DM-001.00	
11/19/25				1 OF 17

OSHA DEMOLITION NOTES :

1926.850(A)

PRIOR TO PERMITTING EMPLOYEES TO START DEMOLITION OPERATIONS, AN ENGINEERING SURVEY SHALL BE MADE, BY A COMPETENT PERSON, OF THE STRUCTURE TO DETERMINE THE CONDITION OF THE FRAMING, FLOORS, AND WALLS, AND POSSIBILITY OF UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE. ANY ADJACENT STRUCTURE WHERE EMPLOYEES MAY BE EXPOSED SHALL ALSO BE SIMILARLY CHECKED. THE EMPLOYER SHALL HAVE IN WRITING EVIDENCE THAT SUCH A SURVEY HAS BEEN PERFORMED.

1926.850(B)

WHEN EMPLOYEES ARE REQUIRED TO WORK WITHIN A STRUCTURE TO BE DEMOLISHED WHICH HAS BEEN DAMAGED BY FIRE, FLOOD, EXPLOSION, OR OTHER CAUSE, THE WALLS OR FLOOR SHALL BE SHORED OR BRACED.

1926.850(C)

ALL ELECTRIC, GAS, WATER, STEAM, SEWER, AND OTHER SERVICE LINES SHALL BE SHUT OFF, CAPPED, OR OTHERWISE CONTROLLED, OUTSIDE THE BUILDING LINE BEFORE DEMOLITION WORK IS STARTED. IN EACH CASE, ANY UTILITY COMPANY WHICH IS INVOLVED SHALL BE NOTIFIED IN ADVANCE.

1926.850(D)

IF IT IS NECESSARY TO MAINTAIN ANY POWER, WATER OR OTHER UTILITIES DURING DEMOLITION, SUCH LINES SHALL BE TEMPORARILY RELOCATED, AS NECESSARY, AND PROTECTED.

1926.850(E)

IT SHALL ALSO BE DETERMINED IF ANY TYPE OF HAZARDOUS CHEMICALS, GASES, EXPLOSIVES, FLAMMABLE MATERIALS, OR SIMILARLY DANGEROUS SUBSTANCES HAVE BEEN USED IN ANY PIPES, TANKS, OR OTHER EQUIPMENT ON THE PROPERTY. WHEN THE PRESENCE OF ANY SUCH SUBSTANCES IS APPARENT OR SUSPECTED, TESTING AND PURGING SHALL BE PERFORMED AND THE HAZARD ELIMINATED BEFORE DEMOLITION IS STARTED.

1926.850(F)

WHERE A HAZARD EXISTS FROM FRAGMENTATION OF GLASS, SUCH HAZARDS SHALL BE REMOVED.

1926.850(G)

WHERE A HAZARD EXISTS TO EMPLOYEES FALLING THROUGH WALL OPENINGS, THE OPENING SHALL BE PROTECTED TO A HEIGHT OF APPROXIMATELY 42 INCHES.

1926.850(H)

WHEN DEBRIS IS DROPPED THROUGH HOLES IN THE FLOOR WITHOUT THE USE OF CHUTES, THE AREA ONTO WHICH THE MATERIAL IS DROPPED SHALL BE COMPLETELY ENCLOSED WITH BARRICADES NOT LESS THAN 42 INCHES HIGH AND NOT LESS THAN 6 FEET BACK FROM THE PROJECTED EDGE OF THE OPENING ABOVE. SIGNS, WARNING OF THE HAZARD OF FALLING MATERIALS, SHALL BE POSTED AT EACH LEVEL. REMOVAL SHALL NOT BE PERMITTED IN THIS LOWER AREA UNTIL DEBRIS HANDLING CEASES ABOVE.

1926.850(I)

ALL FLOOR OPENINGS, NOT USED AS MATERIAL DROPS, SHALL BE COVERED OVER WITH MATERIAL SUBSTANTIAL ENOUGH TO SUPPORT THE WEIGHT OF ANY LOAD WHICH MAY BE IMPOSED. SUCH MATERIAL SHALL BE PROPERLY SECURED TO PREVENT ITS ACCIDENTAL MOVEMENT.

1926.850(J)

EXCEPT FOR THE CUTTING OF HOLES IN FLOORS FOR CHUTES, HOLES THROUGH WHICH TO DROP MATERIALS, PREPARATION OF STORAGE SPACE, AND SIMILAR NECESSARY PREPARATORY WORK, THE DEMOLITION OF EXTERIOR WALLS AND FLOOR CONSTRUCTION SHALL BEGIN AT THE TOP OF THE STRUCTURE AND PROCEED DOWNWARD. EACH STORY OF EXTERIOR WALL AND FLOOR CONSTRUCTION SHALL BE REMOVED AND DROPPED INTO THE STORAGE SPACE BEFORE COMMENCING THE REMOVAL OF EXTERIOR WALLS AND FLOORS IN THE STORY NEXT BELOW.

1926.850(K)

EMPLOYEE ENTRANCES TO MULTISTORY STRUCTURES BEING DEMOLISHED SHALL BE COMPLETELY PROTECTED BY SIDEWALK SHEDS OR CANOPIES, OR BOTH, PROVIDING PROTECTION FROM THE FACE OF THE BUILDING FOR A MINIMUM OF 8 FEET. ALL SUCH CANOPIES SHALL BE AT LEAST 2 FEET WIDER THAN THE BUILDING ENTRANCES OR OPENINGS (1 FOOT WIDER ON EACH SIDE THEREOF), AND SHALL BE CAPABLE OF SUSTAINING A LOAD OF 150 POUNDS PER SQUARE FOOT.

1926.851(A)

ONLY THOSE STAIRWAYS, PASSAGEWAYS, AND LADDERS, DESIGNATED AS MEANS OF ACCESS TO THE STRUCTURE OF A BUILDING, SHALL BE USED. OTHER ACCESS WAYS SHALL BE ENTIRELY CLOSED AT ALL TIMES.

1926.851(B)

ALL STAIRS, PASSAGEWAYS, LADDERS AND INCIDENTAL EQUIPMENT THERETO, WHICH ARE COVERED BY THIS SECTION, SHALL BE PERIODICALLY INSPECTED AND MAINTAINED IN A CLEAN SAFE CONDITION.

1926.851(C)

IN A MULTISTORY BUILDING, WHEN A STAIRWELL IS BEING USED, IT SHALL BE PROPERLY ILLUMINATED BY EITHER NATURAL OR ARTIFICIAL MEANS, AND COMPLETELY AND SUBSTANTIALLY COVERED OVER AT A POINT NOT LESS THAN TWO FLOORS BELOW THE FLOOR ON WHICH WORK IS BEING PERFORMED, AND ACCESS TO THE FLOOR WHERE THE WORK IS IN PROGRESS SHALL BE THROUGH A PROPERLY LIGHTED, PROTECTED, AND SEPARATE PASSAGEWAY.

1926.852(A)

NO MATERIAL SHALL BE DROPPED TO ANY POINT LYING OUTSIDE THE EXTERIOR WALLS OF THE STRUCTURE UNLESS THE AREA IS EFFECTIVELY PROTECTED.

1926.852(B)

ALL MATERIALS CHUTES, OR SECTIONS THEREOF, AT AN ANGLE OF MORE THAN 45 DEG. FROM THE HORIZONTAL, SHALL BE ENTIRELY ENCLOSED, EXCEPT FOR OPENINGS EQUIPPED WITH CLOSURES AT OR ABOUT FLOOR LEVEL FOR THE INSERTION OF MATERIALS. THE OPENINGS SHALL NOT EXCEED 48 INCHES IN HEIGHT MEASURED ALONG THE WALL OF THE CHUTE. AT ALL STORIES BELOW THE TOP FLOOR, SUCH OPENINGS SHALL BE KEPT CLOSED WHEN NOT IN USE.

1926.852(C)

A SUBSTANTIAL GATE SHALL BE INSTALLED IN EACH CHUTE AT OR NEAR THE DISCHARGE END. A COMPETENT EMPLOYEE SHALL BE ASSIGNED TO CONTROL THE OPERATION OF THE GATE, AND THE BACKING AND LOADING OF TRUCKS.

1926.852(D)

WHEN OPERATIONS ARE NOT IN PROGRESS, THE AREA SURROUNDING THE DISCHARGE END OF A CHUTE SHALL BE SECURELY CLOSED OFF.

1926.852(E)

ANY CHUTE OPENING, INTO WHICH WORKMEN DUMP DEBRIS, SHALL BE PROTECTED BY A SUBSTANTIAL GUARDRAIL APPROXIMATELY 42 INCHES ABOVE THE FLOOR OR OTHER SURFACE ON WHICH THE MEN STAND TO DUMP THE MATERIAL. ANY SPACE BETWEEN THE CHUTE AND THE EDGE OF OPENINGS IN THE FLOORS THROUGH WHICH IT PASSES SHALL BE SOLIDLY COVERED OVER.

1926.852(F)

WHERE THE MATERIAL IS DUMPED FROM MECHANICAL EQUIPMENT OR WHEELBARROWS, A SECURELY ATTACHED TOEBOARD OR BUMPER, NOT LESS THAN 4 INCHES THICK AND 6 INCHES HIGH, SHALL BE PROVIDED AT EACH CHUTE OPENING.

1926.852(G)

CHUTES SHALL BE DESIGNED AND CONSTRUCTED OF SUCH STRENGTH AS TO ELIMINATE FAILURE DUE TO IMPACT OF MATERIALS OR DEBRIS LOADED THEREIN.

1926.853

ANY OPENINGS CUT IN A FLOOR FOR THE DISPOSAL OF MATERIALS SHALL BE NO LARGER IN SIZE THAN 25 PERCENT OF THE AGGREGATE OF THE TOTAL FLOOR AREA, UNLESS THE LATERAL SUPPORTS OF THE REMOVED FLOORING REMAIN IN PLACE. FLOORS WEAKENED OR OTHERWISE MADE UNSAFE BY DEMOLITION OPERATIONS SHALL BE SHORED TO CARRY SAFELY THE INTENDED IMPOSED LOAD FROM DEMOLITION OPERATIONS.

1926.854(A)

MASONRY WALLS, OR OTHER SECTIONS OF MASONRY, SHALL NOT BE PERMITTED TO FALL UPON THE FLOORS OF THE BUILDING IN SUCH MASSES AS TO EXCEED THE SAFE CARRYING CAPACITIES OF THE FLOORS.

1926.854(B)

NO WALL SECTION, WHICH IS MORE THAN ONE STORY IN HEIGHT, SHALL BE PERMITTED TO STAND ALONE WITHOUT LATERAL BRACING, UNLESS SUCH WALL WAS ORIGINALLY DESIGNED AND CONSTRUCTED TO STAND WITHOUT SUCH LATERAL SUPPORT, AND IS IN A CONDITION SAFE ENOUGH TO BE SELF-SUPPORTING. ALL WALLS SHALL BE LEFT IN A STABLE CONDITION AT THE END OF EACH SHIFT.

1926.854(C)

EMPLOYEES SHALL NOT BE PERMITTED TO WORK ON THE TOP OF A WALL WHEN WEATHER CONDITIONS CONSTITUTE A HAZARD.

1926.854(D)

STRUCTURAL OR LOAD-SUPPORTING MEMBERS ON ANY FLOOR SHALL NOT BE CUT OR REMOVED UNTIL ALL STORIES ABOVE SUCH A FLOOR HAVE BEEN DEMOLISHED AND REMOVED. THIS PROVISION SHALL NOT PROHIBIT THE CUTTING OF FLOOR BEAMS FOR THE DISPOSAL OF MATERIALS OR FOR THE INSTALLATION OF EQUIPMENT, PROVIDED THAT THE REQUIREMENTS OF 1926.853 AND 1926.855 ARE MET.

1926.854(E)

FLOOR OPENINGS WITHIN 10 FEET OF ANY WALL BEING DEMOLISHED SHALL BE PLANKED SOLID, EXCEPT WHEN EMPLOYEES ARE KEPT OUT OF THE AREA BELOW.

1926.854(F)

IN BUILDINGS OF "SKELETON-STEEL" CONSTRUCTION, THE STEEL FRAMING MAY BE LEFT IN PLACE DURING THE DEMOLITION OF MASONRY, WHERE THIS IS DONE, ALL STEEL BEAMS, GIRDERS, AND SIMILAR STRUCTURAL SUPPORTS SHALL BE CLEARED OF ALL LOOSE MATERIAL AS THE MASONRY DEMOLITION PROGRESSES DOWNWARD.

1926.854(G)

WALKWAYS OR LADDERS SHALL BE PROVIDED TO ENABLE EMPLOYEES TO SAFELY REACH OR LEAVE ANY SCAFFOLD OR WALL.

1926.854(H)

WALLS, WHICH SERVE AS RETAINING WALLS TO SUPPORT EARTH OR ADJOINING STRUCTURES, SHALL NOT BE DEMOLISHED UNTIL SUCH EARTH HAS BEEN PROPERLY BRACED OR ADJOINING STRUCTURES HAVE BEEN PROPERLY UNDERPINNED.

1926.854(I)

WALLS, WHICH ARE TO SERVE AS RETAINING WALLS AGAINST WHICH DEBRIS WILL BE PILED, SHALL NOT BE SO USED UNLESS CAPABLE OF SAFELY SUPPORTING THE IMPOSED LOAD.

1926.855(A)

OPENINGS CUT IN A FLOOR SHALL EXTEND THE FULL SPAN OF THE ARCH BETWEEN SUPPORTS.

1926.855(B)

BEFORE DEMOLISHING ANY FLOOR ARCH, DEBRIS AND OTHER MATERIAL SHALL BE REMOVED FROM SUCH ARCH AND OTHER ADJACENT FLOOR AREA. PLANKS NOT LESS THAN 2 INCHES BY 10 INCHES IN CROSS SECTION, FULL SIZE UNDRRESSED, SHALL BE PROVIDED FOR, AND SHALL BE USED BY EMPLOYEES TO STAND ON WHILE BREAKING DOWN FLOOR ARCHES BETWEEN BEAMS. SUCH PLANKS SHALL BE SO LOCATED AS TO PROVIDE A SAFE SUPPORT FOR THE WORKMEN SHOULD THE ARCH BETWEEN THE BEAMS COLLAPSE. THE OPEN SPACE BETWEEN PLANKS SHALL NOT EXCEED 16 INCHES.

1926.855(C)

SAFE WALKWAYS, NOT LESS THAN 18 INCHES WIDE, FORMED OF PLANKS NOT LESS THAN 2 INCHES THICK IF WOOD, OR OF EQUIVALENT STRENGTH IF METAL, SHALL BE PROVIDED AND USED BY WORKMEN WHEN NECESSARY TO ENABLE THEM TO REACH ANY POINT WITHOUT WALKING UPON EXPOSED BEAMS.

1926.855(D)

STRINGERS OF AMPLE STRENGTH SHALL BE INSTALLED TO SUPPORT THE FLOORING PLANKS, AND THE ENDS OF SUCH STRINGERS SHALL BE SUPPORTED BY FLOOR BEAMS OR GIRDERS, AND NOT BY FLOOR ARCHES ALONE.

1926.855(E)

PLANKS SHALL BE LAID TOGETHER OVER SOLID BEARINGS WITH THE ENDS OVERLAPPING AT LEAST 1 FOOT.

1926.855(F)

WHEN FLOOR ARCHES ARE BEING REMOVED, EMPLOYEES SHALL NOT BE ALLOWED IN THE AREA DIRECTLY UNDERNEATH, AND SUCH AN AREA SHALL BE BARRICADED TO PREVENT ACCESS TO IT.

1926.855(G)

DEMOLITION OF FLOOR ARCHES SHALL NOT BE STARTED UNTIL THEY, AND THE SURROUNDING FLOOR AREA FOR A DISTANCE OF 20 FEET, HAVE BEEN CLEARED OF DEBRIS

AND ANY OTHER UNNECESSARY MATERIALS.

1926.856(A)

MECHANICAL EQUIPMENT SHALL NOT BE USED ON FLOORS OR WORKING SURFACES UNLESS SUCH FLOORS OR SURFACES ARE OF SUFFICIENT STRENGTH TO SUPPORT THE IMPOSED LOAD.

1926.856(B)

FLOOR OPENINGS SHALL HAVE CURBS OR STOP-LOGS TO PREVENT EQUIPMENT FROM RUNNING OVER THE EDGE.

1926.856(C)

CRANES, DERRICKS, AND OTHER MECHANICAL EQUIPMENT. EMPLOYERS MUST MEET THE REQUIREMENTS SPECIFIED IN SUBPARTS N, O AND CC OF THIS PART.

[75 FR 48135, AUG. 9, 2010; 77 FR 49730, AUG. 17, 2012; 78 FR 23843, APRIL 23, 2013]

1926.857(A)

THE STORAGE OF WASTE MATERIAL AND DEBRIS ON ANY FLOOR SHALL NOT EXCEED THE ALLOWABLE FLOOR LOADS.

1926.857(B)

IN BUILDINGS HAVING WOODEN FLOOR CONSTRUCTION, THE FLOORING BOARDS MAY BE REMOVED FROM NOT MORE THAN ONE FLOOR ABOVE GRADE TO PROVIDE STORAGE SPACE FOR DEBRIS, PROVIDED FALLING MATERIAL IS NOT PERMITTED TO ENDANGER THE STABILITY OF THE STRUCTURE.

1926.857(C)

WHEN WOOD FLOOR BEAMS SERVE TO BRACE INTERIOR WALLS OR FREE-STANDING EXTERIOR WALLS, SUCH BEAMS SHALL BE LEFT IN PLACE UNTIL OTHER EQUIVALENT SUPPORT CAN BE INSTALLED TO REPLACE THEM.

1926.857(D)

FLOOR ARCHES, TO AN ELEVATION OF NOT MORE THAN 25 FEET ABOVE GRADE, MAY BE REMOVED TO PROVIDE STORAGE AREA FOR DEBRIS: PROVIDED, THAT SUCH REMOVAL DOES NOT ENDANGER THE STABILITY OF THE STRUCTURE.

1926.857(E)

STORAGE SPACE INTO WHICH MATERIAL IS DUMPED SHALL BE BLOCKED OFF, EXCEPT FOR OPENINGS NECESSARY FOR THE REMOVAL OF MATERIAL. SUCH OPENINGS SHALL BE KEPT CLOSED AT ALL TIMES WHEN MATERIAL IS NOT BEING REMOVED.

1926.858(A)

WHEN FLOOR ARCHES HAVE BEEN REMOVED, PLANKING IN ACCORDANCE WITH 1926.855(B) SHALL BE PROVIDED FOR THE WORKERS ENGAGED IN RAZING THE STEEL FRAMING.

1926.858(B)

CRANES, DERRICKS, AND OTHER HOISTING EQUIPMENT. EMPLOYERS MUST MEET THE REQUIREMENTS SPECIFIED IN SUBPARTS N AND CC OF THIS PART.

1926.858(C)

STEEL CONSTRUCTION SHALL BE DISMANTLED COLUMN LENGTH BY COLUMN LENGTH, AND TIER BY TIER (COLUMNS MAY BE IN TWO-STORY LENGTHS).

1926.858(D)

ANY STRUCTURAL MEMBER BEING DISMEMBERED SHALL NOT BE OVERSTRESSED.

[75 FR 48135, AUG. 9, 2010; 77 FR 49730, AUG. 17, 2012; 78 FR 23843, APRIL 23, 2013]

1926.859(A)

NO WORKERS SHALL BE PERMITTED IN ANY AREA, WHICH CAN BE ADVERSELY AFFECTED BY DEMOLITION OPERATIONS, WHEN BALLING OR CLAMMING IS BEING PERFORMED. ONLY THOSE WORKERS NECESSARY FOR THE PERFORMANCE OF THE OPERATIONS SHALL BE PERMITTED IN THIS AREA AT ANY OTHER TIME.

1926.859(B)

THE WEIGHT OF THE DEMOLITION BALL SHALL NOT EXCEED 50 PERCENT OF THE CRANE'S RATED LOAD, BASED ON THE LENGTH OF THE BOOM AND THE MAXIMUM ANGLE OF OPERATION AT WHICH THE DEMOLITION BALL WILL BE USED, OR IT SHALL NOT EXCEED 25 PERCENT OF THE NOMINAL BREAKING STRENGTH OF THE LINE BY WHICH IT IS SUSPENDED, WHICHEVER RESULTS IN A LESSER VALUE.

1926.859(C)

THE CRANE BOOM AND LOADLINE SHALL BE AS SHORT AS POSSIBLE.

1926.859(D)

THE BALL SHALL BE ATTACHED TO THE LOADLINE WITH A SWIVEL-TYPE CONNECTION TO PREVENT TWISTING OF THE LOADLINE, AND SHALL BE ATTACHED BY POSITIVE MEANS IN SUCH MANNER THAT THE WEIGHT CANNOT BECOME ACCIDENTALLY DISCONNECTED.

1926.859(E)

WHEN PULLING OVER WALLS OR PORTIONS THEREOF, ALL STEEL MEMBERS AFFECTED SHALL HAVE BEEN PREVIOUSLY CUT FREE.

1926.859(F)

ALL ROOF CORNICES OR OTHER SUCH ORNAMENTAL STONework SHALL BE REMOVED PRIOR TO PULLING WALLS OVER.

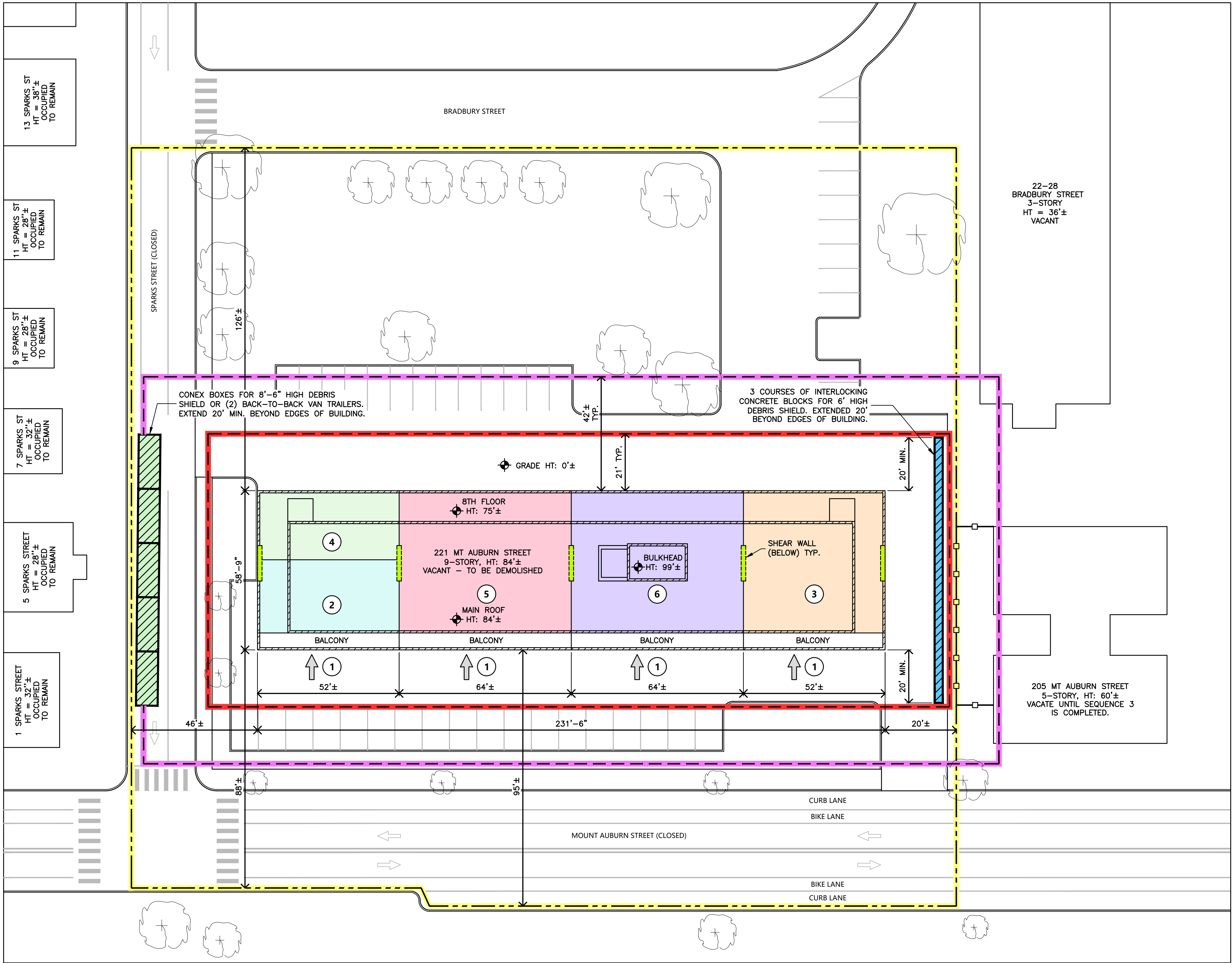
1926.859(G)

DURING DEMOLITION, CONTINUING INSPECTIONS BY A COMPETENT PERSON SHALL BE MADE AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM WEAKENED OR DETERIORATED FLOORS, OR WALLS, OR LOOSEENED MATERIAL. NO EMPLOYEE SHALL BE PERMITTED TO WORK WHERE SUCH HAZARDS EXIST UNTIL THEY ARE CORRECTED BY SHORING, BRACING, OR OTHER EFFECTIVE MEANS.

1926.860

SELECTIVE DEMOLITION BY EXPLOSIVES SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF SUBPART U OF THIS PART.

No.	DATE	DESCRIPTION	BY
<div><div>HOWARD I. SHAPIRO</div><div>& ASSOCIATES</div><div>CONSULTING ENGINEERS, P.C.</div><div>266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563</div><div>TEL: (516) 791-2600 FAX: (516) 791-5425</div><div><small>COPYRIGHT DESIGN NOT TO BE LENT, COPIED, OR REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT.</small></div><div><small>THIS OFFICE DISCLAIMS ANY RESPONSIBILITY FOR DRAWINGS OR OTHER DOCUMENTS RELATED TO THIS PROJECT UNLESS THEY BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER OF THIS OFFICE. THE NEW YORK STATE EDUCATION LAW PROHIBITS ANY ALTERATIONS TO, OR DELETIONS FROM, THIS DRAWING EXCEPT AS MAY BE MADE BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO WILL BEAR THE RESPONSIBILITY FOR SUCH CHANGE.</small></div></div>			
PROJECT			
EMERGENCY DEMOLITION OF 9-STORY BLDG RIVERVIEW CONDOMINIUMS 221 MT. AUBURN ST, CAMBRIDGE, MA			
CONTRACTOR			
NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
PLACE STICKER HERE		EXAMINER'S STAMP HERE	
TITLE			
OSHA DEMOLITION NOTES			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
<div><div>COMMONWEALTH OF MASSACHUSETTS</div><div>JAMES SCHELD</div><div>STRUCTURAL</div><div>No. 60259</div><div>PROFESSIONAL ENGINEER</div><div>11/19/25</div></div>		PROJECT NO: 25392.00.00	
		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
		DWG NO:	
		DM-002.00	
		2 OF 17	



OVERALL SITE
SCALE: 1" = 20'-0"



LEGEND	
①	SEQUENCE 1: SOUTH BALCONIES
②	SEQUENCE 2: WESTMOST BAYS OF BUILDING
③	SEQUENCE 3: EASTMOST SECTION OF BUILDING
④	SEQUENCE 4: REMAINING WESTMOST BAYS OF BUILDING
⑤	SEQUENCE 5: WEST INTERIOR SECTION OF BUILDING
⑥	SEQUENCE 6: EAST INTERIOR SECTION OF BUILDING
	6' HIGH INTERLOCKING CONCRETE BLOCKS AS DEBRIS SHIELD
	8'-6" HIGH CONEX BOX DEBRIS SHIELD OR (2) BACK-TO-BACK 53' LONG VAN TRAILERS
	SITE FENCE - PLASTIC WATER-FILLED BARRIER WITH CHAINLINK FENCE
	EXISTING TIMBER FENCE
	4V:1H EXCLUSION ZONE (21'±)
	2V:1H EXCLUSION ZONE (42'±)
	12" THICK CONCRETE SHEAR WALL
	DIRECTION OF DEMOLITION

PROTECTION OF ADJACENT PROPERTY DURING DEMOLITION

- CURRENTLY SEGMENTS OF MT. AUBURN ST. AND SPARKS ST. HAVE BEEN CLOSED BY THE CITY. THE STREETS SHALL REMAIN CLOSED UNTIL THE BUILDING DEMOLITION REACHES A SAFE LEVEL. SPARKS STREET MAY BE TEMPORARILY OPENED IN SUPPORT OF THE PROJECT AS DETERMINED BY THE CONTRACTOR.

PROVIDE WATER-FILLED BARRIERS WITH CHAINLINK FENCING TO ENCLOSE THE SITE. USE THE EXISTING TIMBER FENCE AT 205 MT. AUBURN ST. TO ENCLOSE A PORTION OF THE EAST SIDE OF THE SITE.

- CURRENTLY THE BUILDING AT 22-28 BRADBURY ST. IS VACANT.

THE BUILDING AT 205 MT. AUBURN ST. SHALL BE VACATED PRIOR TO THE START OF DEMOLITION AND REMAIN VACANT UNTIL DEMOLITION SEQUENCE 3 IS COMPLETED.

- INSTALL A MINIMUM OF 96 LINEAR FEET OF INTERLOCKING CONCRETE BLOCKS ALONG THE EAST SIDE OF THE SITE TO CREATE A 6' HIGH DEBRIS SHIELD AS PROTECTION FOR THE 205 MT. AUBURN ST. BUILDING. THE DEBRIS SHIELD SHALL EXTEND 20'± PASSED THE NE AND SE CORNERS OF THE 221 MT. AUBURN ST. BUILDING.

- INSTALL A MINIMUM OF 100 LINEAR FEET OF STEEL CONEX BOXES ALONG THE WEST SIDE OF THE SITE TO CREATE A 8'-6" HIGH DEBRIS SHIELD AS PROTECTION FOR THE HOUSES ON SPARKS ST. THE DEBRIS SHIELD SHALL EXTEND 20'± PASSED THE NW AND SW CORNERS OF THE 221 MT. AUBURN ST. BUILDING.

IN LIEU OF THE CONEX BOXES, (2) BACK-TO-BACK 53' LONG VAN TRAILERS WITH GEOFOAM ENCLOSURE INSTALLED BETWEEN THE BOTTOM OF THE TRAILER AND GRADE CAN BE USED TO CREATE A SOLID BARRIER.

- AFTER THE PROTECTION FOR THE ADJACENT PROPERTY IS INSTALLED, ESTABLISH A 4V:1H EXCLUSION ZONE AROUND THE PERIMETER OF THE BUILDING (21' ON ALL SIDES).

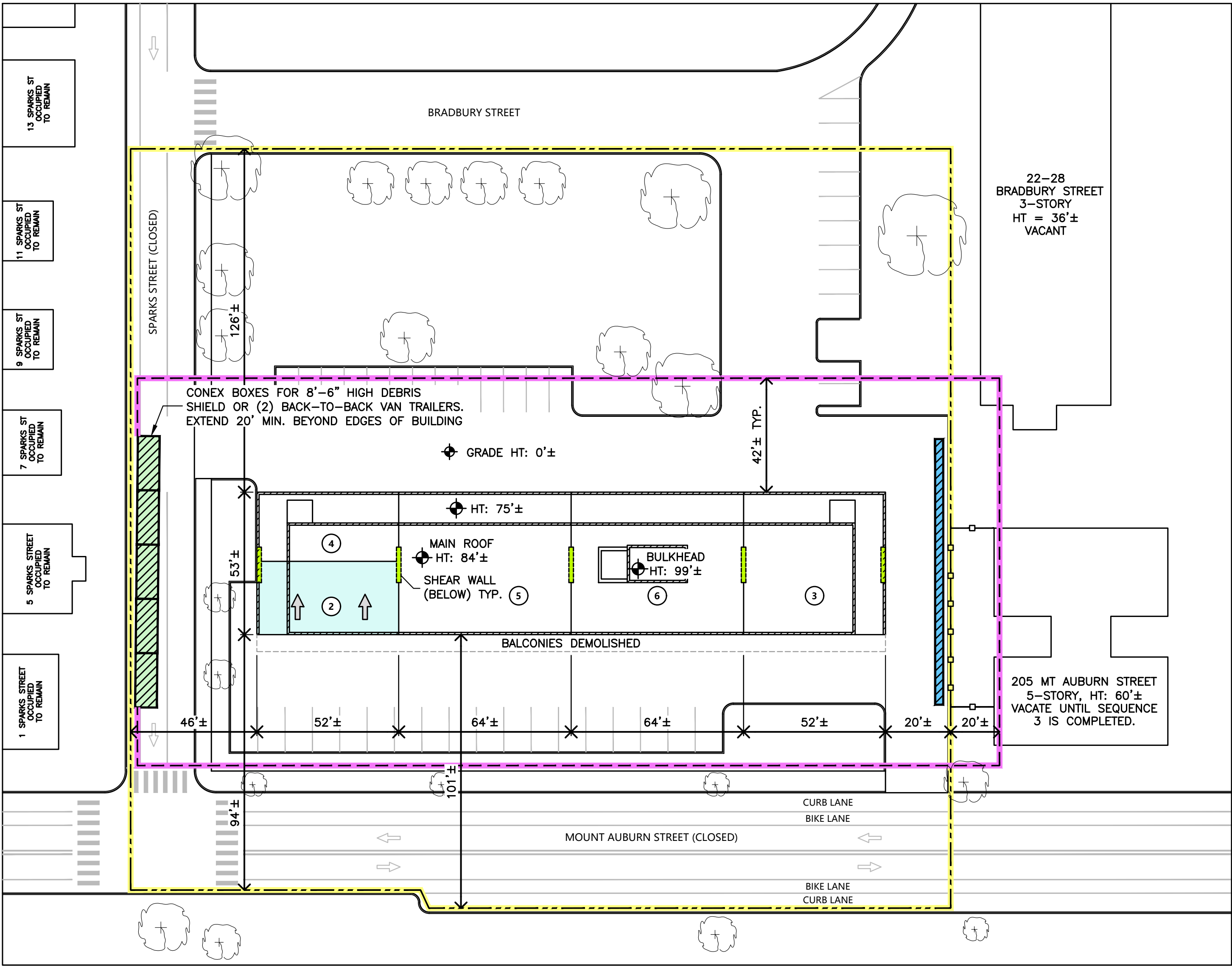
NO INDIVIDUALS ARE PERMITTED WITHIN THE BUILDING OR WITHIN THE EXCLUSION ZONE.

MARK OUT THE EXCLUSION ZONE USING CAUTION TAPE, CONES, PLASTIC BARRIERS OR OTHER MEANS OF CLEARLY IDENTIFYING THE HAZARDOUS AREA.

- DURING DEMOLITION OPERATIONS, THE EXCLUSION ZONE SHALL BE ENLARGED TO A 2V:1H EXCLUSION ZONE AROUND THE PERIMETER OF THE BUILDING (42' ON ALL SIDES).

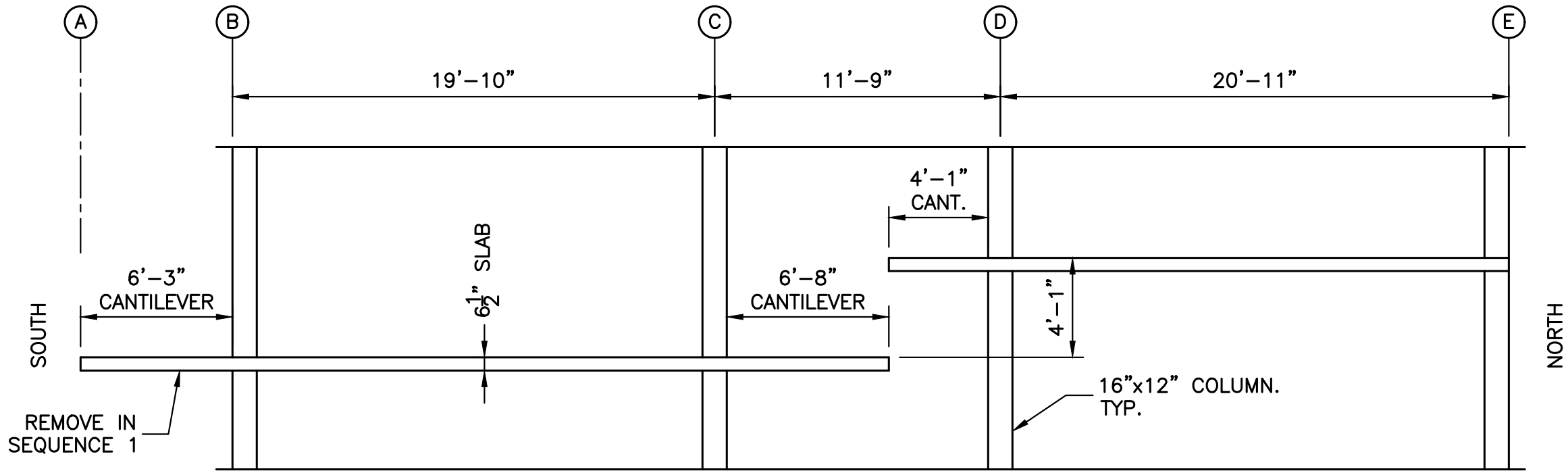
NO INDIVIDUALS ARE PERMITTED WITHIN THE BUILDING OR WITHIN THE EXCLUSION ZONE, WITH THE EXCEPTION OF AN OPERATOR WITHIN A PIECE OF EQUIPMENT WITH A PROTECTIVE CAB.

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PROJECT			
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CONTRACTOR			
NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
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EMERGENCY DEMOLITION OVERALL SITE PLAN			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
		PROJECT NO: 25392.00.00	
		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
		DWG NO: DM-010.00	
		3 OF 17	



SEQUENCE 2 DEMOLITION

SCALE: 1" = 30'-0"



SPLIT LEVEL FLOORS - 1ST TO 6TH FLOOR

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

DEMOLITION OF THE 221 MT. AUBURN ST. BUILDING

- INSTALL AIR MONITORS AT GRADE FOR CONTINUOUS AIR QUALITY MONITORING.
- VERIFY THAT ALL ELECTRIC, GAS, WATER, SEWER AND OTHER SERVICES ARE SHUT OFF, CAPPED, OR OTHERWISE CONTROLLED AT OR OUTSIDE THE BUILDING LINE OR WORK AREA LIMITS.
- THE GENERAL DEMOLITION METHOD WILL USE EXCAVATORS WITH PROCESSOR ATTACHMENTS TO DEMOLISH THE BUILDING IN 6 BASIC SEQUENCES. A HIGH REACH EXCAVATOR WILL BE USED FOR THE UPPER PORTIONS OF BUILDING AND A CONVENTIONAL EXCAVATOR WILL BE USED FOR THE LOWER PORTIONS.

AT THE START OF DEMOLITION THE BUFFER ZONES BETWEEN THE 221 BUILDING AND THE SITE FENCE ARE FOLLOWS :

NORTH SIDE : ROOF HT : H = 75'± DIST. TO FENCE : B = 126'± H/B = 0.6
SOUTH SIDE : ROOF HT : H = 84'± DIST. TO FENCE : B = 94'± H/B = 0.9
EAST SIDE : ROOF HT : H = 75'± DIST. TO FENCE : B = 20'± H/B = 3.8
WEST SIDE : ROOF HT : H = 75'± DIST. TO FENCE : B = 46'± H/B = 1.6

THE HEIGHT-TO-WIDTH RATIO SHOULD BE LESS THAN OR EQUAL TO 2.0 FOR MECHANICAL DEMOLITION. THE CLEARANCE ON THE EAST SIDE DOES NOT MEET THIS CRITERION, THEREFORE THE BUILDING AT 205 MT. AUBURN ST. SHALL BE VACATED UNTIL SEQUENCE 3 IS COMPLETED.

- SEQUENCE 1** - DEMOLISH THE BALCONIES ON THE SOUTH SIDE OF THE BUILDING TO REMOVE THE CANTILEVERED PORTIONS OF SLAB BETWEEN GRIDLINES A TO B AND 1 TO 23. USE HIGH REACH EXCAVATOR AND CONVENTIONAL EXCAVATOR TO DEMOLISH BALCONIES IN A BOTTOM-UP SEQUENCE. SEE DM-030 FOR GRIDLINE LOCATION.
- SEQUENCE 2** - DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO BETWEEN C & D AND 1 TO 6 FROM SOUTH TO NORTH. THE COLUMNS AND SHEAR WALL ON 6-LINE ARE TO REMAIN.
- SEQUENCE 3** - DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO BETWEEN C & D AND 23 TO 18 FROM SOUTH TO NORTH FIRST. THEN DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES BETWEEN C & D TO E AND 23 TO 18 FROM SOUTH TO NORTH. THE COLUMNS AND SHEAR WALL ON 18-LINE ARE TO REMAIN.

AFTER THE SEQUENCE 3 DEMOLITION IS COMPLETE, THE VACATE ORDER AT 205 MT. AUBURN STREET CAN BE LIFTED AND THE OCCUPANTS CAN RETURN TO THE BUILDING.
- SEQUENCE 4** - DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES BETWEEN D & C TO E AND 1 TO 6 FROM SOUTH TO NORTH USING THE HIGH-REACH EXCAVATOR AND NORTH TO SOUTH USING THE CONVENTIONAL EXCAVATOR. THE COLUMNS AND SHEAR WALL ON 6-LINE ARE TO REMAIN.
- SEQUENCE 5** - DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO E AND 6 TO 12 FROM WEST TO EAST. THE COLUMNS AND SHEAR WALL ON 12-LINE ARE TO REMAIN.
- SEQUENCE 6** - DEMOLISH THE PORTION OF BUILDING BOUNDED BY GRIDLINES B TO E AND 12 TO 18 FROM EAST TO WEST.

THE INITIAL (4) SEQUENCES OF DEMOLITION ARE SPECIFIED TO BE PERFORMED IN THE NORTH-SOUTH DIRECTION. THESE ARE THE SEQUENCES WHERE THE HIGH REACH EXCAVATOR CANNOT BE POSITIONED TO THE EAST OR WEST SIDES OF THE BUILDING DUE TO SPACE LIMITATIONS.

IN SEQUENCES 1 TO 4, IF SPACE ALLOWS, THE DIRECTION OF DEMOLITION CAN BE PERFORMED IN THE EAST-WEST DIRECTION. SEE DM-026 FOR PROCEDURE.

SEQUENCES 5 & 6 ARE SPECIFIED TO BE PERFORMED IN THE EAST-WEST DIRECTION. DURING SEQUENCES 5 & 6, THE OPERATOR MAY FIND IT MORE EFFECTIVE TO DEMOLISH THE SHEAR WALLS WITH THE MACHINE POSITIONED ON THE NORTH OR SOUTH SIDES OF THE BUILDING.

FOR THE SEQUENCE 2 FLOOR-BY-FLOOR DEMOLITION, SEE PLAN VIEWS ON DM-020 & DM-021.

FOR THE SEQUENCE 3 FLOOR-BY-FLOOR DEMOLITION, SEE PLAN VIEWS ON DM-022 & DM-023.

FOR THE SEQUENCE 4 FLOOR-BY-FLOOR DEMOLITION, SEE PLAN VIEWS ON DM-024 & DM-025.

FOR THE TYPICAL FLOOR-BY-FLOOR DEMOLITION IN SEQUENCES 5 & 6, SEE PLAN VIEW ON DM-026.

FOR THE TYPICAL REMOVAL OF DEBRIS FROM THE FLOORS, SEE DETAIL ON DM-027.

FOR SEQUENCES 2 THRU 6 USE THE HIGH REACH EXCAVATOR TO DEMOLISH THE FLOORS IN INDIVIDUAL NUMBERED PORTIONS OF BAYS AS SHOWN IN DETAILS 1 TO 4 LISTED ABOVE FROM THE ROOF TO THE TRANSITION FLOOR¹ IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. AFTER THE DEMOLITION OF EACH NUMBERED PORTION OF A BAY, REMOVE THE ACCUMULATED DEBRIS ON THE FLOOR BELOW PRIOR TO STARTING THE DEMOLITION OF THE NEXT NUMBERED PORTION.

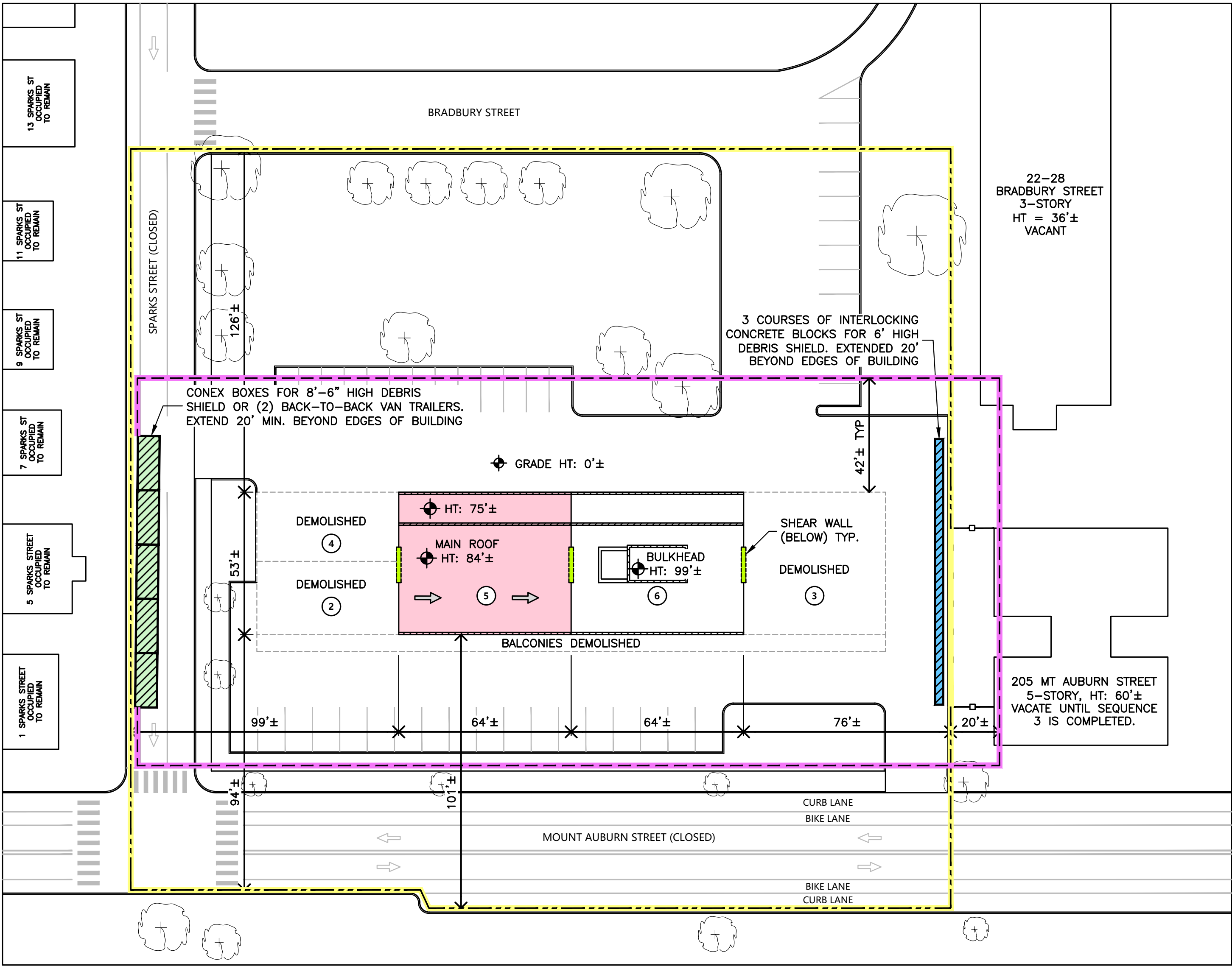
FOR SEQUENCES 2 THRU 6 USE THE CONVENTIONAL EXCAVATOR TO DEMOLISH THE FLOORS IN INDIVIDUAL NUMBERED PORTIONS OF BAYS AS SHOWN IN DETAILS 1 TO 4 LISTED ABOVE FROM THE TRANSITION FLOOR TO GRADE IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. AFTER THE DEMOLITION OF EACH NUMBERED PORTION OF A BAY, REMOVE THE ACCUMULATED DEBRIS ON THE FLOOR BELOW PRIOR TO STARTING THE DEMOLITION OF THE NEXT NUMBERED PORTION.

IN SEQUENCE 6, WHEN THE PORTION OF BUILDING IS REDUCED TO THE AREA BOUNDED BY GRIDLINES B TO E AND 12 TO 14 (3 BAYS WIDE x 2 BAYS LONG x 9 STORIES HIGH), DEMOLISH THESE SIX REMAINING BAYS TOGETHER WITH THE 12-LINE SHEAR WALL IN A TOP-DOWN FLOOR-BY-FLOOR MANNER TO MAINTAIN THE STABILITY OF THE REMAINDER OF THE BUILDING. PROGRESSIVELY REMOVE THE DEBRIS FROM EACH BAY ON EACH LEVEL AS IT IS DEMOLISHED (1/3± OF A BAY AT A TIME).

FOOTNOTE :

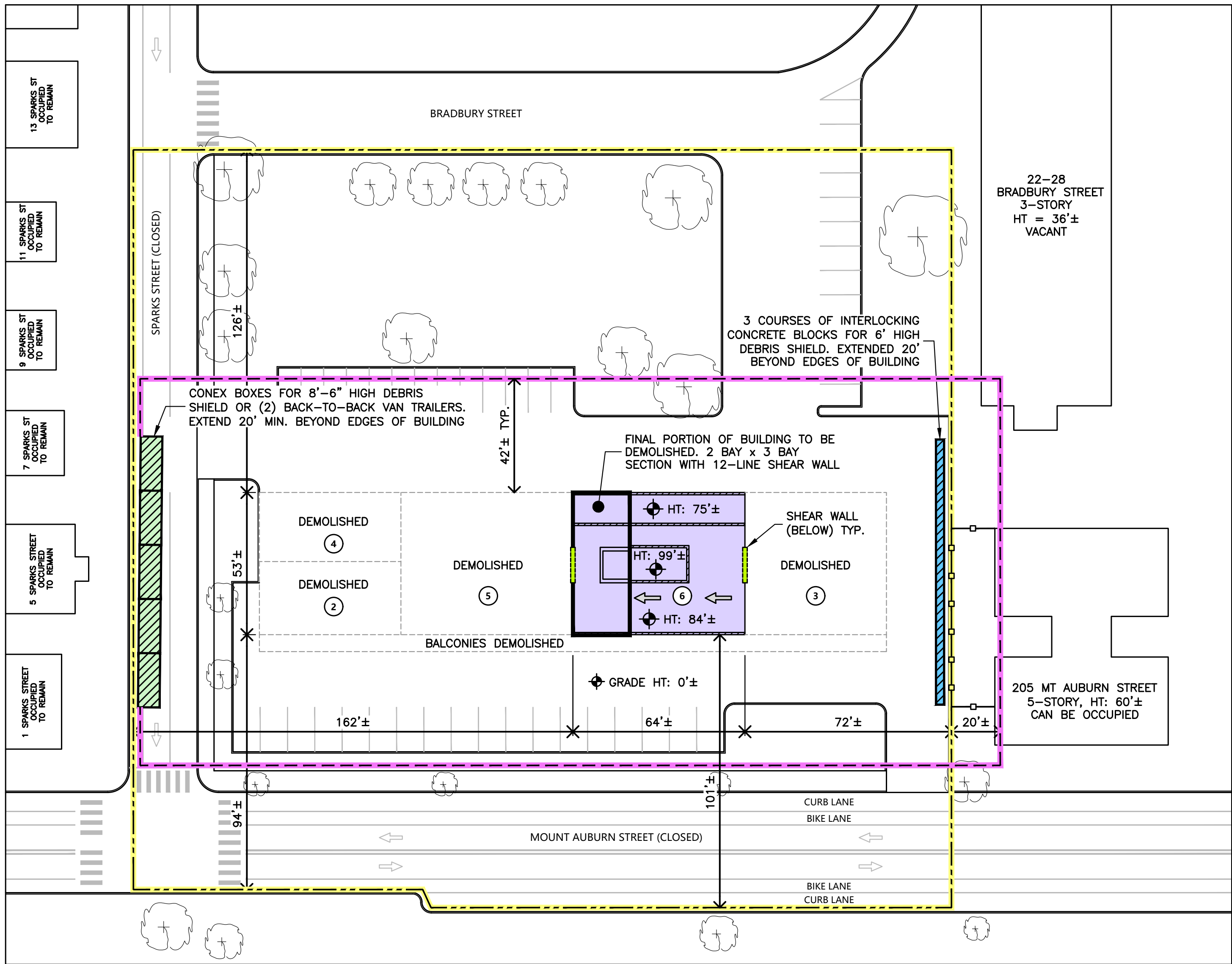
- TRANSITION FLOOR IS THE LOWEST FLOOR THAT THE HIGH REACH EXCAVATOR CAN DEMOLISH. THE DEMOLITION OF THE TRANSITION FLOOR AND FLOORS BELOW IS PERFORMED BY A CONVENTIONAL EXCAVATOR. IT IS ESTIMATED THAT THE TRANSITION FLOOR WILL BE BETWEEN THE 6TH AND 4TH FLOORS.

No.	DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C. 266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563 TEL: (516) 791-2600 FAX: (516) 791-5425 COPYRIGHT DESIGN NOT TO BE LENT, COPIED, OR REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT. THIS OFFICE DISCLAIMS ANY RESPONSIBILITY FOR DRAWINGS & OTHER DOCUMENTS RELATED TO THIS PROJECT UNLESS THEY BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER OF THIS OFFICE. THE NEW YORK STATE EDUCATION LAW PROHIBITS ANY ALTERATIONS TO, OR DELETIONS FROM, THIS DRAWING EXCEPT AS MAY BE MADE BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO WILL BEAR THE RESPONSIBILITY FOR SUCH CHANGE.			
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CONTRACTOR			
NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
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TITLE			
EMERGENCY DEMOLITION DEMOLITION PROCEDURE 1			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
		PROJECT NO: 25392.00.00	
		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
DWG NO:		DM-011.00	
11/19/25		L OF 17	



SEQUENCE 5 DEMOLITION

SCALE: 1" = 30'-0"

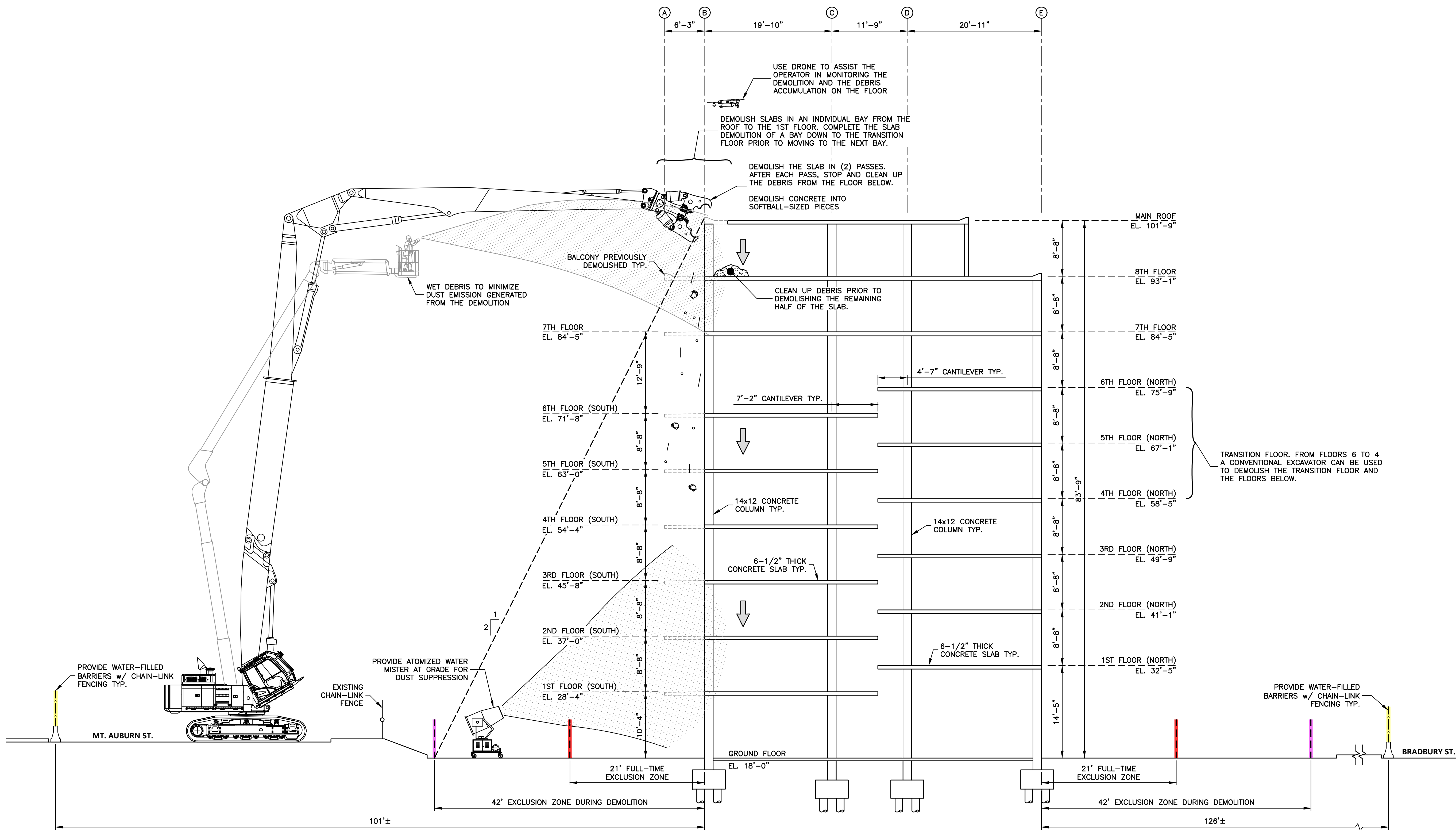


SEQUENCE 6 DEMOLITION

SCALE: 1" = 30'-0"

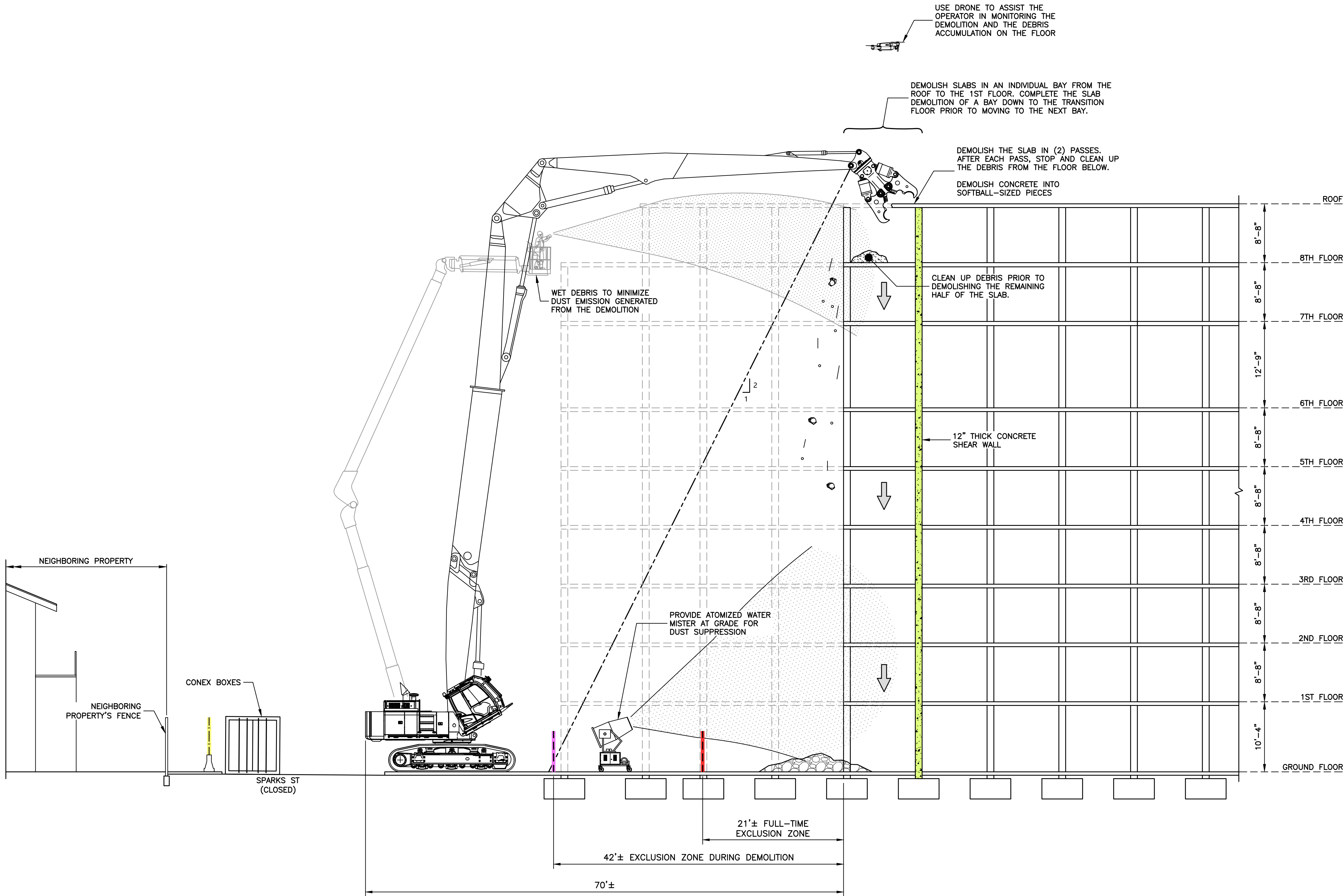


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TITLE			
EMERGENCY DEMOLITION DEMOLITION PROCEDURE 3			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025 PROJECT NO: 25392.00.00 ENGINEER: JS SCALE: AS NOTED CHK BY: JS 10/22/2025 DWG NO:	
		DM-013.00	
11/19/25		6 OF 17	



DEMOLITION FROM SOUTH TO NORTH WITH HIGH REACH EXCAVATOR
SCALE: 1/8" = 1'-0"

No.	DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C. 266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563 TEL: (516) 791-2600 FAX: (516) 791-5425 <small>COPYRIGHT DESIGN NOT TO BE LENT, COPIED, OR REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT. THIS OFFICE DISCLAIMS ANY RESPONSIBILITY FOR DRAWINGS OR OTHER DOCUMENTS RELATED TO THIS PROJECT UNLESS THEY BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER OF THIS OFFICE. THE NEW YORK STATE EDUCATION LAW PROHIBITS ANY ALTERATIONS TO, OR DELETIONS FROM, THIS DRAWING EXCEPT AS MAY BE MADE BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO WILL BEAR THE RESPONSIBILITY FOR SUCH CHANGE.</small>			
PROJECT			
EMERGENCY DEMOLITION OF 9-STORY BLDG RIVERVIEW CONDOMINIUMS 221 MT. AUBURN ST, CAMBRIDGE, MA			
CONTRACTOR			
NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
PLACE STICKER HERE		EXAMINER'S STAMP HERE	
TITLE			
EMERGENCY DEMOLITION DEMOLITION SECTION 1			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
		PROJECT NO: 25392.00.00	
		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
DWG NO:		DM-014.00	
11/19/25		7 OF 17	



NOTES

1. IN SEQUENCES 2, 3, AND 4, IF SPACE PERMITS, THE DIRECTION OF DEMOLITION CAN BE PERFORMED IN THE EAST-WEST DIRECTION. SEE DM-026 FOR PROCEDURE.

DEMOLITION FROM EAST OR WEST WITH HIGH REACH EXCAVATOR

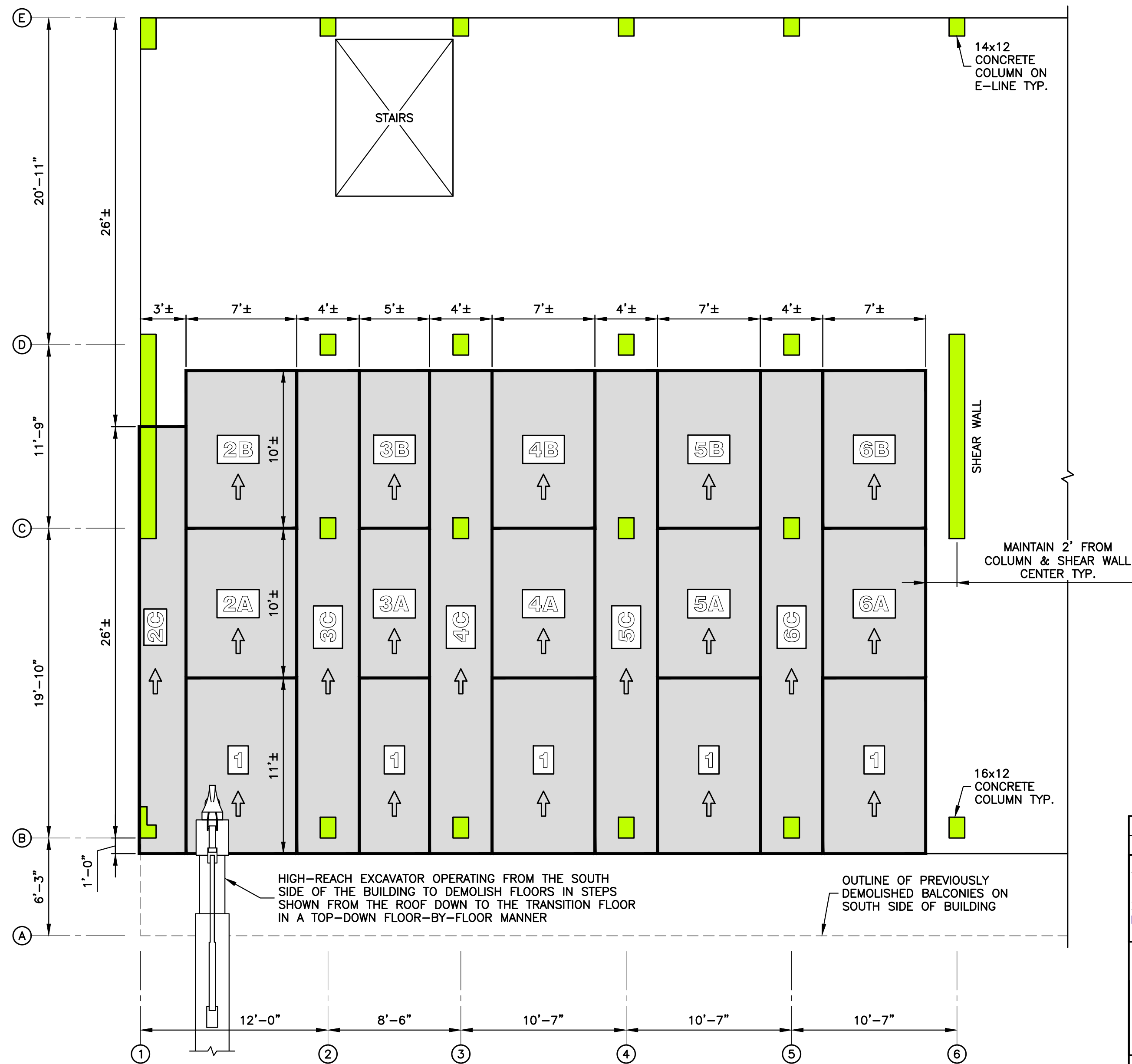
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NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
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TITLE			
EMERGENCY DEMOLITION DEMOLITION SECTION 2			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
		PROJECT NO: 25392.00.00	
		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
		DWG NO:	
		DM-015.00	
11/19/25		8 OF 17	



ROOF DEMOLITION FOR SEQUENCE 2 w/ HIGH REACH EXCAVATOR

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



8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 2 w/ HIGH-REACH EXCAVATOR

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

LEGEND	
	SOUTHERN HALF OF THE BUILDING TO BE DEMOLISHED WITHIN THIS SEQUENCE
	CONCRETE COLUMN / SHEAR WALL TYP.
	SEQUENCE OF INDIVIDUAL BAY DEMOLITION
	DIRECTION OF PROGRESSIVE SLAB DEMOLITION WITHIN SPECIFIED BAY TYP.

ROOF AND 8TH & 7TH FLOOR DEMOLITION PROCEDURE FOR SEQUENCE 2 :

- WORKING FROM SOUTH TO NORTH, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE ROOF BAYS NUMBERED 1 TO 5C AS SHOWN IN THE PLAN ABOVE. SEE "ROOF DEMOLITION FOR SEQUENCE 2 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.

PERFORM THE DEMOLITION OF EACH NUMBERED BAY IN SEQUENTIAL ORDER (i.e. DEMOLISH ALL BAYS NUMBERED 1 PRIOR TO DEMOLISHING THE BAY LABELED 2A, 2B, 2C, ETC...).

ALL NUMBERED BAYS OF THE CURRENT WORKING FLOOR SHALL BE COMPLETELY DEMOLISHED PRIOR TO THE COMMENCEMENT OF THE DEMOLITION OF THE NEXT FLOOR BELOW.

WHEN PERFORMING THE DEMOLITION OF COLUMN STRIPS 2C, 3C, 4C, 5C, OR 6C, USE THE PROCESSOR TO CRUSH THE CONCRETE FROM THE REBAR, LEAVING THE REBAR INTACT TO THE EXTENT POSSIBLE TO SUPPORT THE REMAINING PORTION OF COLUMN STRIP AS CATENARY STEEL. DO NOT SHEAR THE REBAR UNTIL THE CONCRETE SLAB IS CRUSHED TO WITHIN 2' OF THE COLUMNS. TYPICAL. THE PROCESSOR CAN CRUSH THE CONCRETE IN ANY ORIENTATION (PARALLEL, PERPENDICULAR, OR SKEWED TO THE AXIS OF THE COLUMN STRIP).
- ONCE BAYS NUMBERED 1 TO 5C OF THE ROOF HAS BEEN COMPLETELY DEMOLISHED, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE 8TH FLOOR BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE. SEE "8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 2 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.
- ONCE BAYS NUMBERED 1 TO 6C OF THE 8TH FLOOR HAS BEEN COMPLETELY DEMOLISHED, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE 7TH FLOOR BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE. SEE "8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 2 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.
- WHEN PERFORMING DEMOLITION WITHIN A BAY, DEMOLISH THE SLAB FIRST PRIOR TO DEMOLISHING THE ASSOCIATED COLUMNS, SHEAR WALLS, OR BEARING WALLS.

WHEN DEMOLISHING THE SLAB IN THE VICINITY OF A COLUMN OR SHEAR WALL, LEAVE A MINIMUM OF 24" EDGE DISTANCE BETWEEN THE FACE OF THE COLUMN OR SHEAR WALL AND THE WORKING FACE. SEE "LIMIT OF SLAB DEMOLITION AT COLUMNS & SHEAR WALLS" DETAIL ON DM-026.
- PERIODICALLY PAUSE OPERATIONS AFTER THE DEMOLITION OF EACH NUMBERED STEP TO REMOVE THE ACCUMULATED DEBRIS ON THE FLOOR BELOW. ENSURE THAT THE DEBRIS IS ADEQUATELY REMOVED FROM THE FLOOR PRIOR TO STARTING THE DEMOLITION OF THE NEXT NUMBERED STEP OR PROCEEDING TO THE DEMOLITION OF THE NEXT LEVEL BELOW. SEE "TYPICAL DEBRIS REMOVAL FROM FLOOR" DETAIL ON DM-027.
- IN SEQUENCE 2, IF SPACE PERMITS, THE DIRECTION OF DEMOLITION CAN BE PERFORMED IN THE EAST-WEST DIRECTION. SEE DM-026 FOR PROCEDURE.

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PROJECT

EMERGENCY DEMOLITION OF 9-STORY BLDG
RIVERVIEW CONDOMINIUMS
221 MT. AUBURN ST, CAMBRIDGE, MA

CONTRACTOR

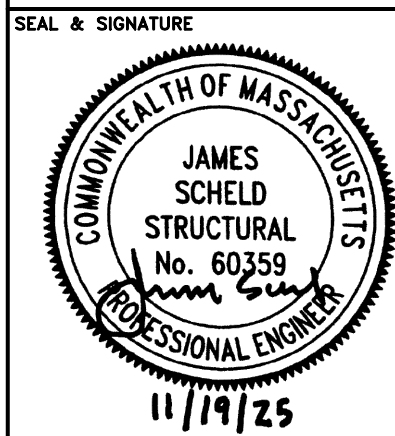
NORTHSTAR CONTRACTING GROUP, INC
401S 2ND ST
EVERETT, MA 02149
(617) 389-8880

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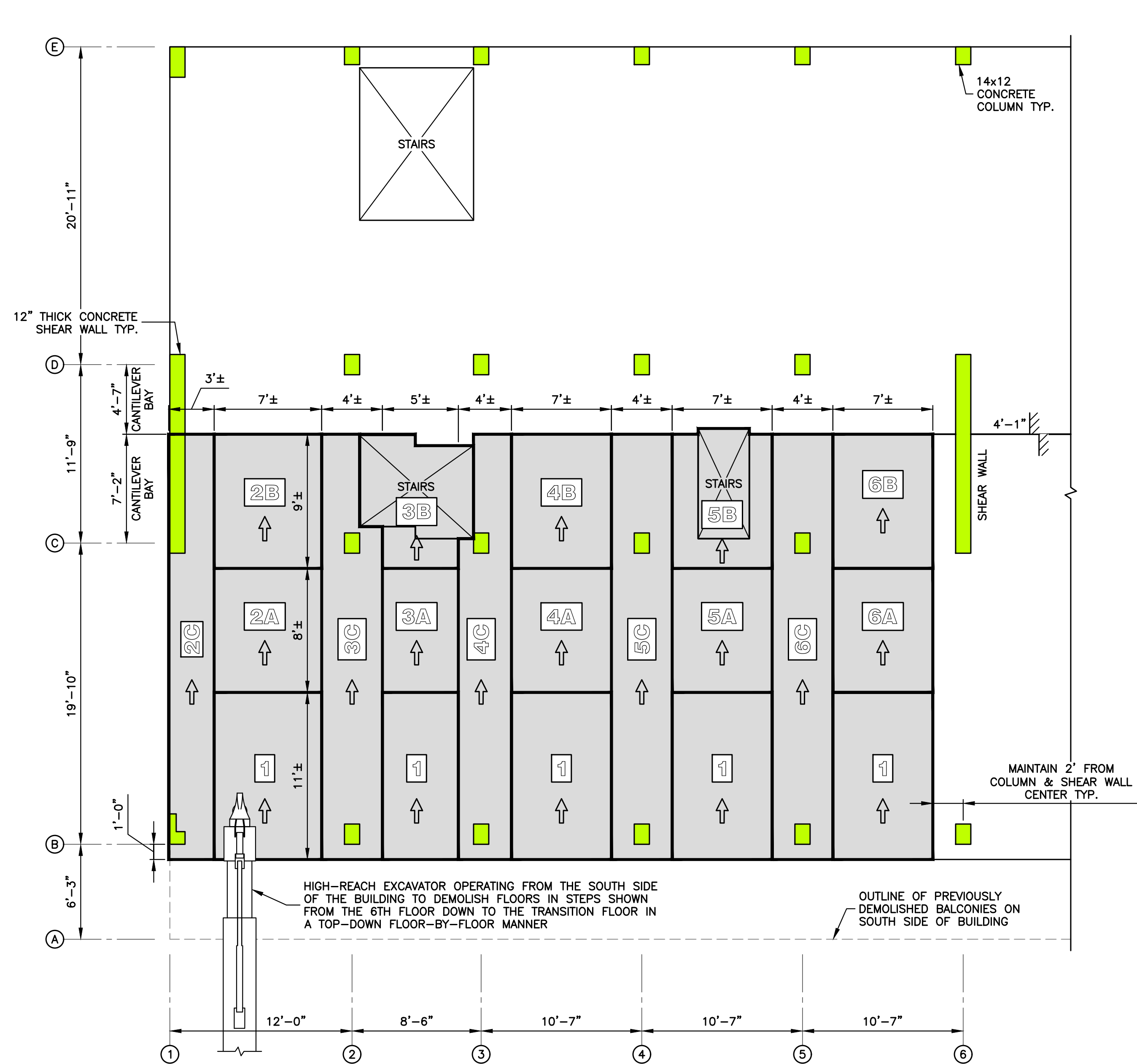
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TITLE

EMERGENCY DEMOLITION
DEMOLITION DETAILS 1

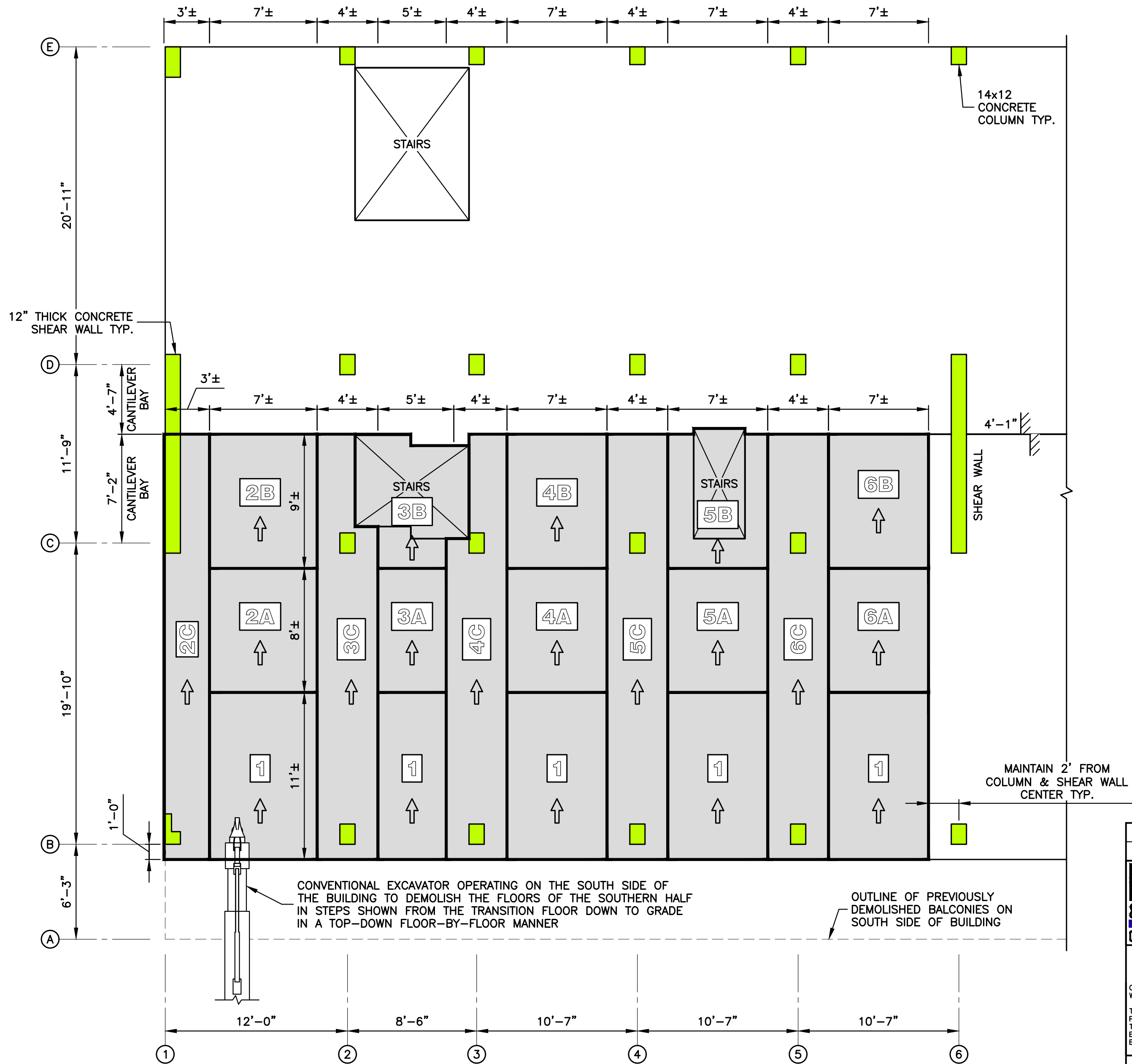


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DWG NO:
DM-020.00



TYPICAL FLOOR DEMOLITION FOR SEQUENCE 2 w/ HIGH REACH EXCAVATOR

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



TYPICAL FLOOR DEMOLITION FOR SEQUENCE 2 w/ CONVENTIONAL EXCAVATOR

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

TYPICAL FLOOR DEMOLITION PROCEDURE FOR SEQUENCE 2 :

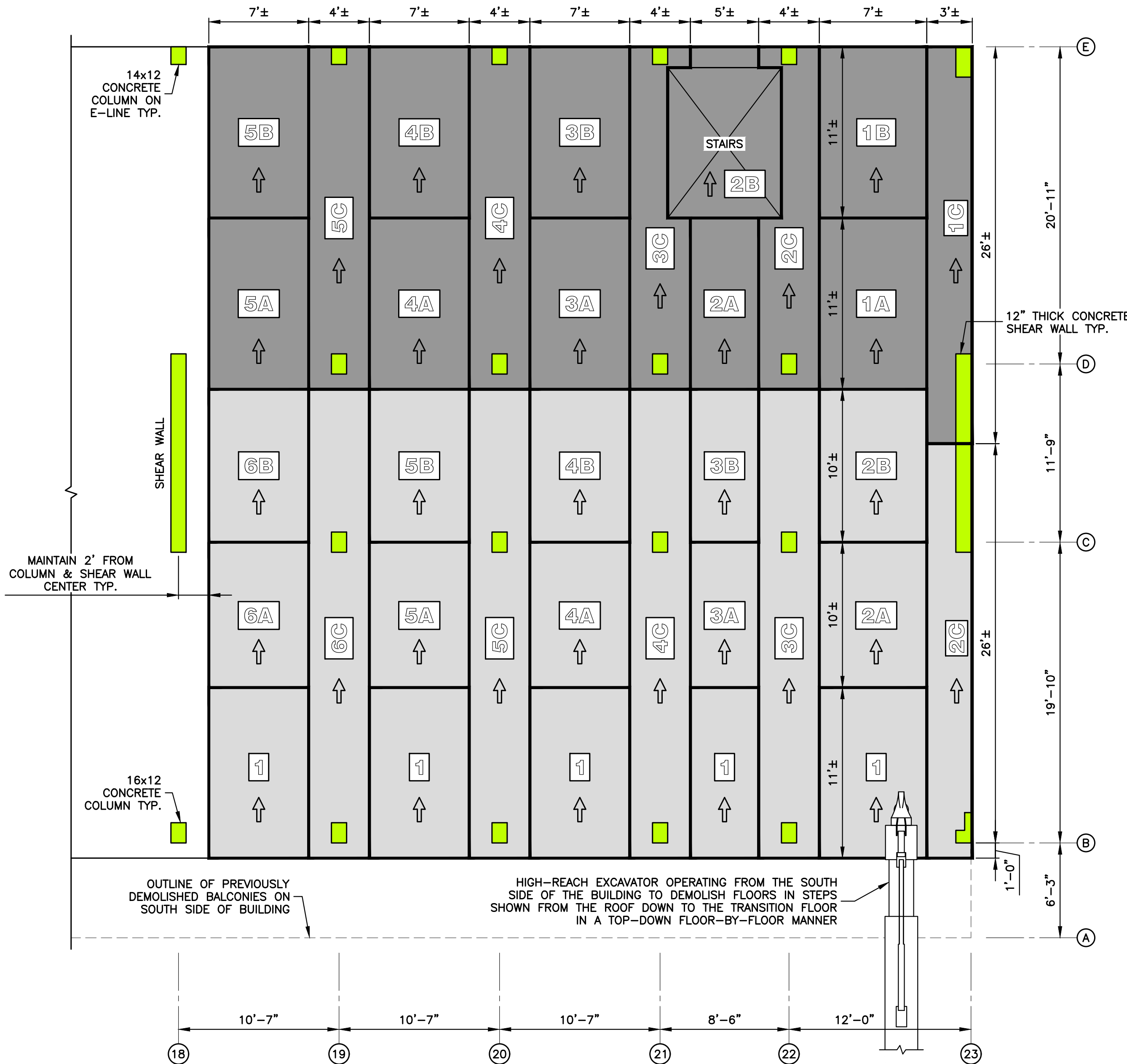
- WORKING FROM SOUTH TO NORTH, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE FROM THE 6TH FLOOR DOWN TO THE TRANSITION FLOOR IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. SEE "TYPICAL FLOOR DEMOLITION FOR SEQUENCE 2 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.
PERFORM THE DEMOLITION OF EACH NUMBERED BAY IN SEQUENTIAL ORDER (i.e. DEMOLISH ALL BAYS NUMBERED 1 PRIOR TO DEMOLISHING THE BAY LABELED 2A, ETC...).
ALL NUMBERED BAYS OF THE CURRENT WORKING FLOOR SHALL BE COMPLETELY DEMOLISHED PRIOR TO THE COMMENCEMENT OF THE DEMOLITION OF THE NEXT FLOOR BELOW.
WHEN PERFORMING THE DEMOLITION OF COLUMN STRIPS 2C, 3C, 4C, 5C, OR 6C, USE THE PROCESSOR TO CRUSH THE CONCRETE FROM THE REBAR, LEAVING THE REBAR INTACT TO THE EXTENT POSSIBLE TO SUPPORT THE REMAINING PORTION OF COLUMN STRIP AS CATENARY STEEL. DO NOT SHEAR THE REBAR UNTIL THE CONCRETE SLAB IS CRUSHED TO WITHIN 2' OF THE COLUMNS. TYPICAL. THE PROCESSOR CAN CRUSH THE CONCRETE IN ANY ORIENTATION (PARALLEL, PERPENDICULAR, OR SKEWED TO THE AXIS OF THE COLUMN STRIP).
- ONCE THE PORTION OF BUILDING IN SEQUENCE 2 HAS BEEN BROUGHT DOWN TO THE TRANSITION FLOOR, USE THE CONVENTIONAL EXCAVATOR, WORKING FROM SOUTH TO NORTH, TO DEMOLISH THE BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE FROM THE TRANSITION FLOOR DOWN TO GRADE IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. SEE "FLOOR DEMOLITION FOR SEQUENCES 2 TO 4 w/ CONVENTIONAL EXCAVATOR" ON THIS SHEET.
- WHEN PERFORMING DEMOLITION WITHIN A BAY, DEMOLISH THE SLAB FIRST PRIOR TO DEMOLISHING THE ASSOCIATED COLUMNS OR SHEAR WALLS.
WHEN DEMOLISHING THE SLAB IN THE VICINITY OF A COLUMN OR SHEAR WALL, LEAVE A MINIMUM OF 24" EDGE DISTANCE BETWEEN THE FACE OF THE COLUMN OR SHEAR WALL AND THE WORKING FACE, UNLESS OTHERWISE NOTED. SEE "LIMIT OF SLAB DEMOLITION AT COLUMNS & SHEAR WALLS" DETAIL ON DM-026.
- PERIODICALLY PAUSE OPERATIONS AFTER THE DEMOLITION OF EACH NUMBERED STEP TO REMOVE THE ACCUMULATED DEBRIS ON THE FLOOR BELOW. ENSURE THAT THE DEBRIS IS ADEQUATELY REMOVED FROM THE FLOOR PRIOR TO STARTING THE DEMOLITION OF THE NEXT NUMBERED STEP OR PROCEEDING TO THE DEMOLITION OF THE NEXT LEVEL BELOW. SEE "TYPICAL DEBRIS REMOVAL FROM FLOOR" DETAIL ON DM-027.
- IN SEQUENCE 2, IF SPACE PERMITS, THE DIRECTION OF DEMOLITION CAN BE PERFORMED IN THE EAST-WEST DIRECTION. SEE DM-026 FOR PROCEDURE.

LEGEND	
	SOUTHERN HALF OF THE BUILDING TO BE DEMOLISHED WITHIN THIS SEQUENCE
	CONCRETE COLUMN / SHEAR WALL TYP.
	SEQUENCE OF INDIVIDUAL BAY DEMOLITION
	DIRECTION OF PROGRESSIVE SLAB DEMOLITION WITHIN SPECIFIED BAY TYP.

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PROJECT			
EMERGENCY DEMOLITION OF 9-STORY BLDG RIVERVIEW CONDOMINIUMS 221 MT. AUBURN ST, CAMBRIDGE, MA CONTRACTOR NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
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TITLE			
EMERGENCY DEMOLITION DEMOLITION DETAILS 2			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
		PROJECT NO: 25392.00.00	
		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
		DWG NO: DM-021.00	
		10 OF 17	



ROOF DEMOLITION FOR SEQUENCE 3 w/ HIGH REACH EXCAVATOR
SCALE: 3/16" = 1'-0"



8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 3 w/ HIGH-REACH EXCAVATOR
SCALE: 3/16" = 1'-0"

LEGEND	
	SOUTHERN HALF OF THE BUILDING TO BE DEMOLISHED
	NORTHERN HALF OF THE BUILDING TO BE DEMOLISHED
	CONCRETE COLUMN / SHEAR WALL TYP.
	SEQUENCE OF INDIVIDUAL BAY DEMOLITION
	DIRECTION OF PROGRESSIVE SLAB DEMOLITION WITHIN SPECIFIED BAY TYP.

ROOF AND 8TH & 7TH FLOOR DEMOLITION PROCEDURE FOR SEQUENCE 3 :

- WORKING FROM SOUTH TO NORTH, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE ROOF BAYS NUMBERED 1 TO 5C AS SHOWN IN THE PLAN ABOVE. SEE "ROOF DEMOLITION FOR SEQUENCE 3 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.

PERFORM THE DEMOLITION OF EACH NUMBERED BAY IN SEQUENTIAL ORDER (i.e. DEMOLISH ALL BAYS NUMBERED 1 PRIOR TO DEMOLISHING THE BAY LABELED 2A, ETC...).

ALL NUMBERED BAYS OF THE CURRENT WORKING FLOOR SHALL BE COMPLETELY DEMOLISHED PRIOR TO THE COMMENCEMENT OF THE DEMOLITION OF THE NEXT FLOOR BELOW.

WHEN PERFORMING THE DEMOLITION OF COLUMN STRIPS 2C, 3C, 4C, 5C, OR 6C, USE THE PROCESSOR TO CRUSH THE CONCRETE FROM THE REBAR, LEAVING THE REBAR INTACT TO THE EXTENT POSSIBLE TO SUPPORT THE REMAINING PORTION OF COLUMN STRIP AS CATENARY STEEL. DO NOT SHEAR THE REBAR UNTIL THE CONCRETE SLAB IS CRUSHED TO WITHIN 2' OF THE COLUMNS. TYPICAL. THE PROCESSOR CAN CRUSH THE CONCRETE IN ANY ORIENTATION (PARALLEL, PERPENDICULAR, OR SKEWED TO THE AXIS OF THE COLUMN STRIP).
- ONCE BAYS NUMBERED 1 TO 5C OF THE ROOF HAS BEEN COMPLETELY DEMOLISHED, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE 8TH FLOOR BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE. SEE "8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 3 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.
- ONCE BAYS NUMBERED 1 TO 6C OF THE 8TH FLOOR HAS BEEN COMPLETELY DEMOLISHED, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE 7TH FLOOR BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN VIEW ABOVE. SEE "8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 3 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.
- WHEN PERFORMING DEMOLITION WITHIN A BAY, DEMOLISH THE SLAB FIRST PRIOR TO DEMOLISHING THE ASSOCIATED COLUMNS, SHEAR WALLS, OR BEARING WALLS.

WHEN DEMOLISHING THE SLAB IN THE VICINITY OF A COLUMN OR SHEAR WALL, LEAVE A MINIMUM OF 24" EDGE DISTANCE BETWEEN THE FACE OF THE COLUMN OR SHEAR WALL AND THE WORKING FACE. SEE "LIMIT OF SLAB DEMOLITION AT COLUMNS & SHEAR WALLS" DETAIL ON DM-026.
- PERIODICALLY PAUSE OPERATIONS AFTER THE DEMOLITION OF EACH NUMBERED STEP TO REMOVE THE ACCUMULATED DEBRIS ON THE FLOOR BELOW. ENSURE THAT THE DEBRIS IS ADEQUATELY REMOVED FROM THE FLOOR PRIOR TO STARTING THE DEMOLITION OF THE NEXT NUMBERED STEP OR PROCEEDING TO THE DEMOLITION OF THE NEXT LEVEL BELOW. SEE "TYPICAL DEBRIS REMOVAL FROM FLOOR" DETAIL ON DM-027.
- THE DEMOLITION OF THE NORTHERN HALF AND SOUTHERN HALF OF THE BUILDING SHALL NOT BE PERFORMED AT THE SAME TIME WITHIN THE SAME SEQUENCE. THE DEMOLITION OF THE SOUTHERN HALF OF THE BUILDING SHALL BE FULLY COMPLETED PRIOR TO COMMENCING WITH THE DEMOLITION OF THE NORTHERN HALF OF THE BUILDING.
- IN SEQUENCE 3, IF SPACE PERMITS, THE DIRECTION OF DEMOLITION CAN BE PERFORMED IN THE EAST-WEST DIRECTION. SEE DM-026 FOR PROCEDURE.

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CONTRACTOR			
NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
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EMERGENCY DEMOLITION DEMOLITION DETAILS 3			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
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		DM-022.00	
		11/19/25	
		11 OF 17	



TYPICAL FLOOR DEMOLITION FOR SEQUENCE 3 w/ HIGH REACH EXCAVATOR

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



TYPICAL FLOOR DEMOLITION FOR SEQUENCE 3 w/ CONVENTIONAL EXCAVATOR

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

LEGEND	
	SOUTHERN HALF OF THE BUILDING TO BE DEMOLISHED
	NORTHERN HALF OF THE BUILDING TO BE DEMOLISHED
	CONCRETE COLUMN / SHEAR WALL TYP.
	SEQUENCE OF INDIVIDUAL BAY DEMOLITION
	DIRECTION OF PROGRESSIVE SLAB DEMOLITION WITHIN SPECIFIED BAY TYP.

TYPICAL FLOOR DEMOLITION PROCEDURE FOR SEQUENCE 3 :

- WORKING FROM SOUTH TO NORTH, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE FROM THE 6TH FLOOR DOWN TO THE TRANSITION FLOOR IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. SEE "TYPICAL FLOOR DEMOLITION FOR SEQUENCE 3 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.

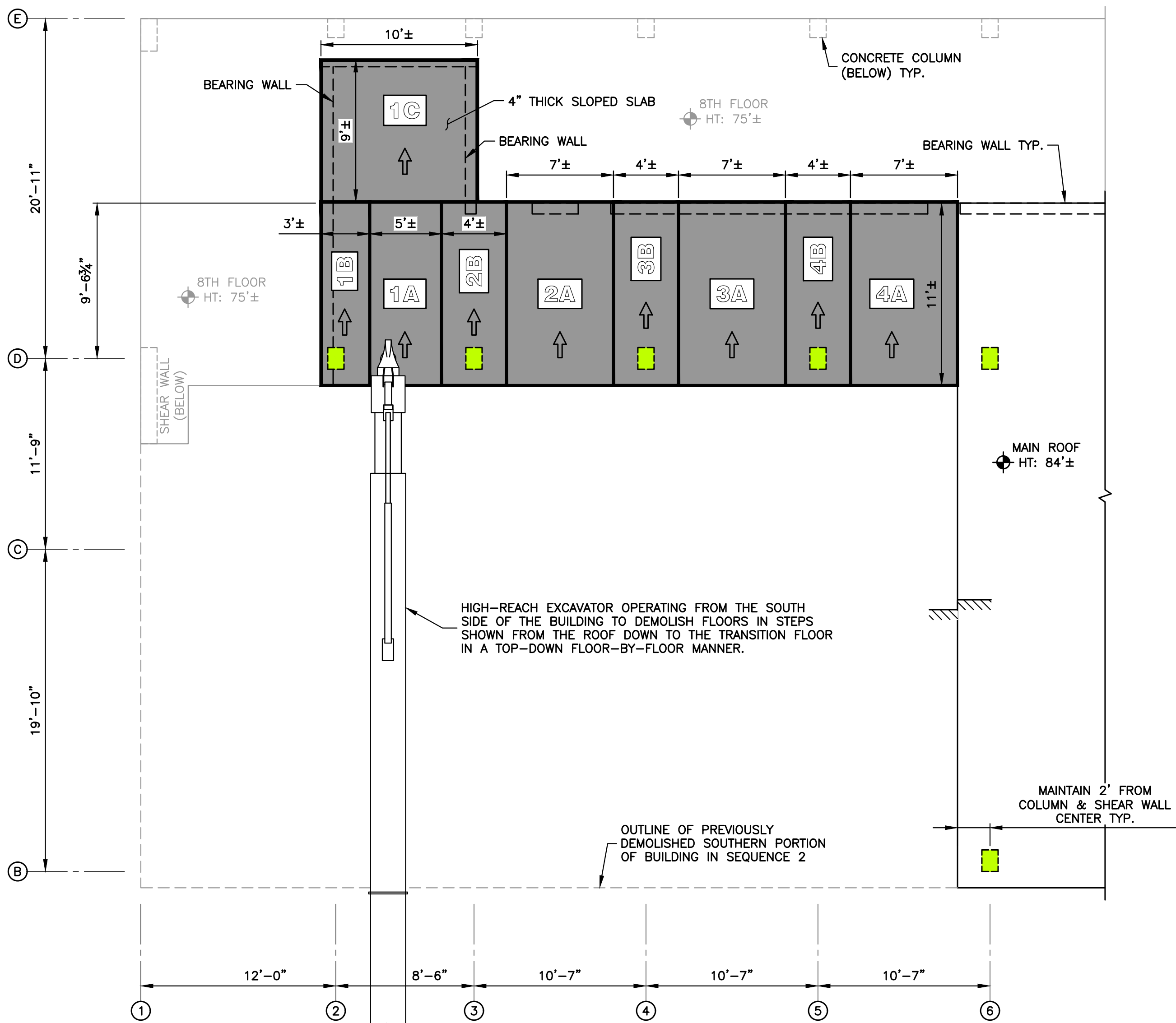
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- ONCE THE PORTION OF BUILDING IN SEQUENCE 3 HAS BEEN BROUGHT DOWN TO THE TRANSITION FLOOR, USE THE CONVENTIONAL EXCAVATOR, WORKING FROM SOUTH TO NORTH, TO DEMOLISH THE BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE FROM THE TRANSITION FLOOR DOWN TO GRADE IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. SEE "TYPICAL FLOOR DEMOLITION FOR SEQUENCE 3 w/ CONVENTIONAL EXCAVATOR" ON THIS SHEET.
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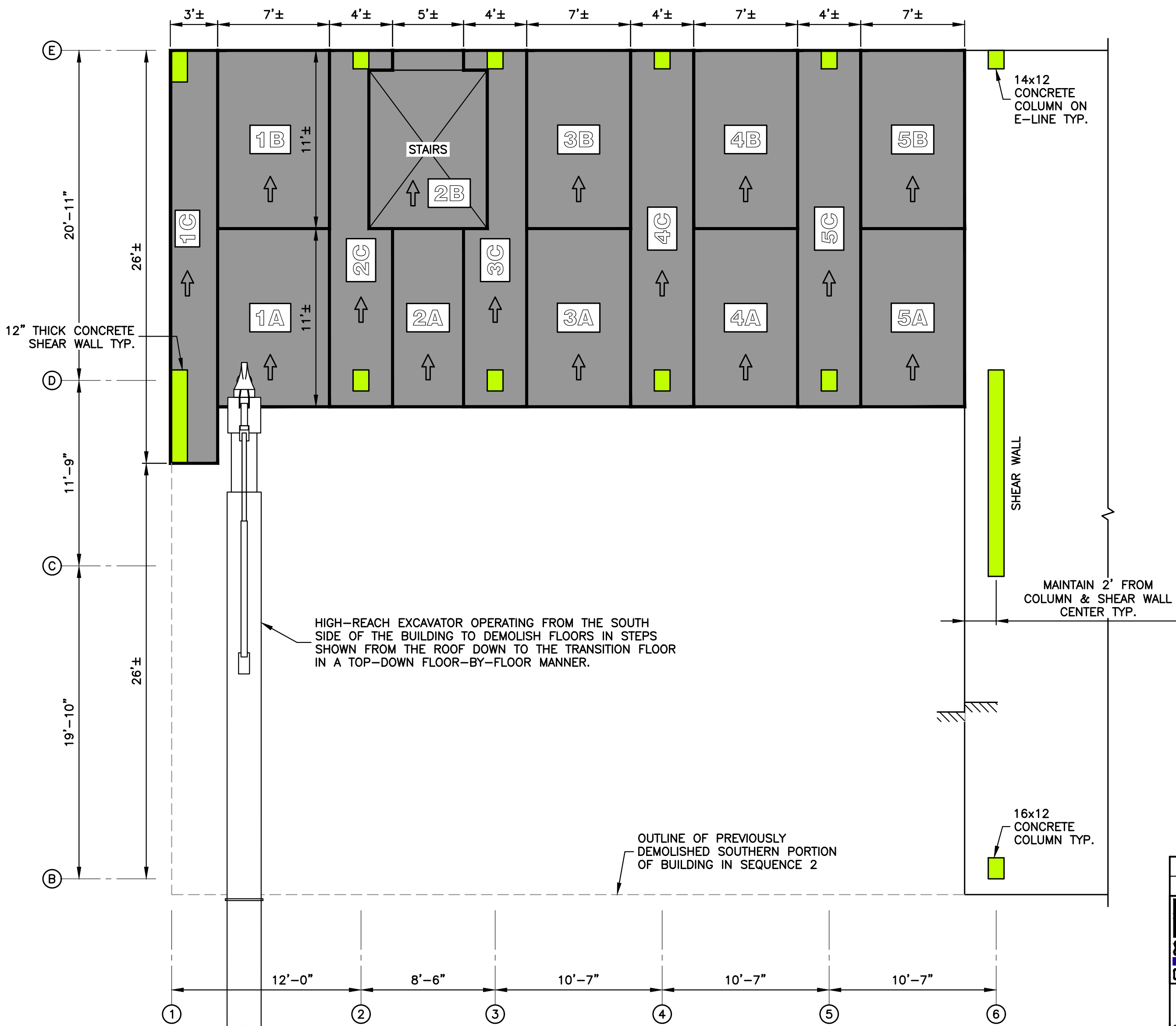
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EMERGENCY DEMOLITION DEMOLITION DETAILS 4			
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11/19/25		12 OF 17	



ROOF DEMOLITION FOR SEQUENCE 4 w/ HIGH REACH EXCAVATOR

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



8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 4 w/ HIGH-REACH EXCAVATOR

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



LEGEND	
	NORTHERN HALF OF THE BUILDING TO BE DEMOLISHED WITHIN THIS SEQUENCE
	CONCRETE COLUMN / SHEAR WALL TYP.
	SEQUENCE OF INDIVIDUAL BAY DEMOLITION
	DIRECTION OF PROGRESSIVE SLAB DEMOLITION WITHIN SPECIFIED BAY TYP.

ROOF AND 8TH & 7TH FLOOR DEMOLITION PROCEDURE FOR SEQUENCE 4 :

- WORKING FROM SOUTH TO NORTH, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE ROOF BAYS NUMBERED 1 TO 5C AS SHOWN IN THE PLAN ABOVE. SEE "ROOF DEMOLITION FOR SEQUENCE 4 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.

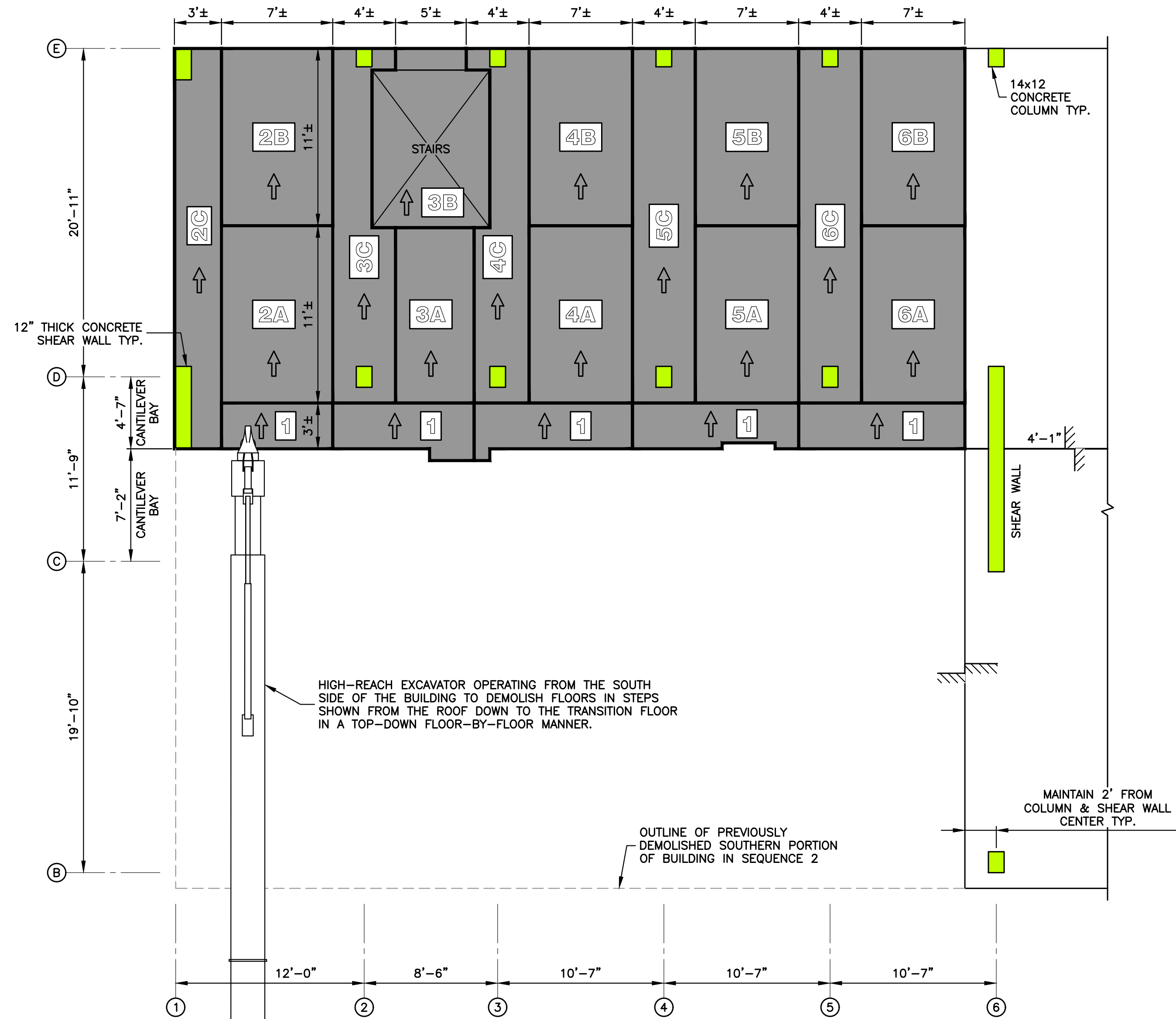
PERFORM THE DEMOLITION OF EACH NUMBERED BAY IN SEQUENTIAL ORDER (i.e. DEMOLISH ALL BAYS NUMBERED 1 PRIOR TO DEMOLISHING THE BAY LABELED 2A, ETC...).

ALL NUMBERED BAYS OF THE CURRENT WORKING FLOOR SHALL BE COMPLETELY DEMOLISHED PRIOR TO THE COMMENCEMENT OF THE DEMOLITION OF THE NEXT FLOOR BELOW.

WHEN PERFORMING THE DEMOLITION OF COLUMN STRIPS 2C, 3C, 4C, 5C, OR 6C, USE THE PROCESSOR TO CRUSH THE CONCRETE FROM THE REBAR, LEAVING THE REBAR INTACT TO THE EXTENT POSSIBLE TO SUPPORT THE REMAINING PORTION OF COLUMN STRIP AS CATENARY STEEL. DO NOT SHEAR THE REBAR UNTIL THE CONCRETE SLAB IS CRUSHED TO WITHIN 2' OF THE COLUMNS. TYPICAL. THE PROCESSOR CAN CRUSH THE CONCRETE IN ANY ORIENTATION (PARALLEL, PERPENDICULAR, OR SKEWED TO THE AXIS OF THE COLUMN STRIP).
- ONCE BAYS NUMBERED 1 TO 5C OF THE ROOF HAS BEEN COMPLETELY DEMOLISHED, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE 8TH FLOOR BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE. SEE "8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 4 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.
- ONCE BAYS NUMBERED 1 TO 6C OF THE 8TH FLOOR HAS BEEN COMPLETELY DEMOLISHED, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE 7TH FLOOR BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN VIEW ABOVE. SEE "8TH & 7TH FLOOR DEMOLITION FOR SEQUENCE 4 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.
- WHEN PERFORMING DEMOLITION WITHIN A BAY, DEMOLISH THE SLAB FIRST PRIOR TO DEMOLISHING THE ASSOCIATED COLUMNS, SHEAR WALLS, OR BEARING WALLS.

WHEN DEMOLISHING THE SLAB IN THE VICINITY OF A COLUMN OR SHEAR WALL, LEAVE A MINIMUM OF 24" EDGE DISTANCE BETWEEN THE FACE OF THE COLUMN OR SHEAR WALL AND THE WORKING FACE. SEE "LIMIT OF SLAB DEMOLITION AT COLUMNS & SHEAR WALLS" DETAIL ON DM-026.
- PERIODICALLY PAUSE OPERATIONS AFTER THE DEMOLITION OF EACH NUMBERED STEP TO REMOVE THE ACCUMULATED DEBRIS ON THE FLOOR BELOW. ENSURE THAT THE DEBRIS IS ADEQUATELY REMOVED FROM THE FLOOR PRIOR TO STARTING THE DEMOLITION OF THE NEXT NUMBERED STEP OR PROCEEDING TO THE DEMOLITION OF THE NEXT LEVEL BELOW. SEE "TYPICAL DEBRIS REMOVAL FROM FLOOR" DETAIL ON DM-027.
- IN SEQUENCE 4, IF SPACE PERMITS, THE DIRECTION OF DEMOLITION CAN BE PERFORMED IN THE EAST-WEST DIRECTION. SEE DM-026 FOR PROCEDURE.

No.	DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C. 266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563 TEL: (516) 791-2600 FAX: (516) 791-5425 <small>COPYRIGHT DESIGN NOT TO BE LENT, COPIED, OR REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT.</small> <small>THIS OFFICE DISCLAIMS ANY RESPONSIBILITY FOR DRAWINGS OR OTHER DOCUMENTS RELATED TO THIS PROJECT UNLESS THEY BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER OF THIS OFFICE. THE NEW YORK STATE EDUCATION LAW PROHIBITS ANY ALTERATIONS TO, OR DELETIONS FROM, THIS DRAWING EXCEPT AS MAY BE MADE BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO WILL BEAR THE RESPONSIBILITY FOR SUCH CHANGE.</small>			
PROJECT			
EMERGENCY DEMOLITION OF 9-STORY BLDG RIVERVIEW CONDOMINIUMS 221 MT. AUBURN ST, CAMBRIDGE, MA CONTRACTOR NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
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EMERGENCY DEMOLITION DEMOLITION DETAILS 5			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
		PROJECT NO: 25392.00.00	
		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
		DWG NO: DM-024.00	
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TYPICAL FLOOR DEMOLITION FOR SEQUENCE 4 w/ HIGH REACH EXCAVATOR
SCALE: 3/16" = 1'-0"



TYPICAL FLOOR DEMOLITION FOR SEQUENCE 4 w/ CONVENTIONAL EXCAVATOR
SCALE: 3/16" = 1'-0"

LEGEND	
	NORTHERN HALF OF THE BUILDING TO BE DEMOLISHED WITHIN THIS SEQUENCE
	CONCRETE COLUMN / SHEAR WALL TYP.
	SEQUENCE OF INDIVIDUAL BAY DEMOLITION
	DIRECTION OF PROGRESSIVE SLAB DEMOLITION WITHIN SPECIFIED BAY TYP.

TYPICAL FLOOR DEMOLITION PROCEDURE FOR SEQUENCE 4:

- WORKING FROM SOUTH TO NORTH, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE FROM THE 6TH FLOOR DOWN TO THE TRANSITION FLOOR IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. SEE "TYPICAL FLOOR DEMOLITION FOR SEQUENCE 4 w/ HIGH-REACH EXCAVATOR" ON THIS SHEET.

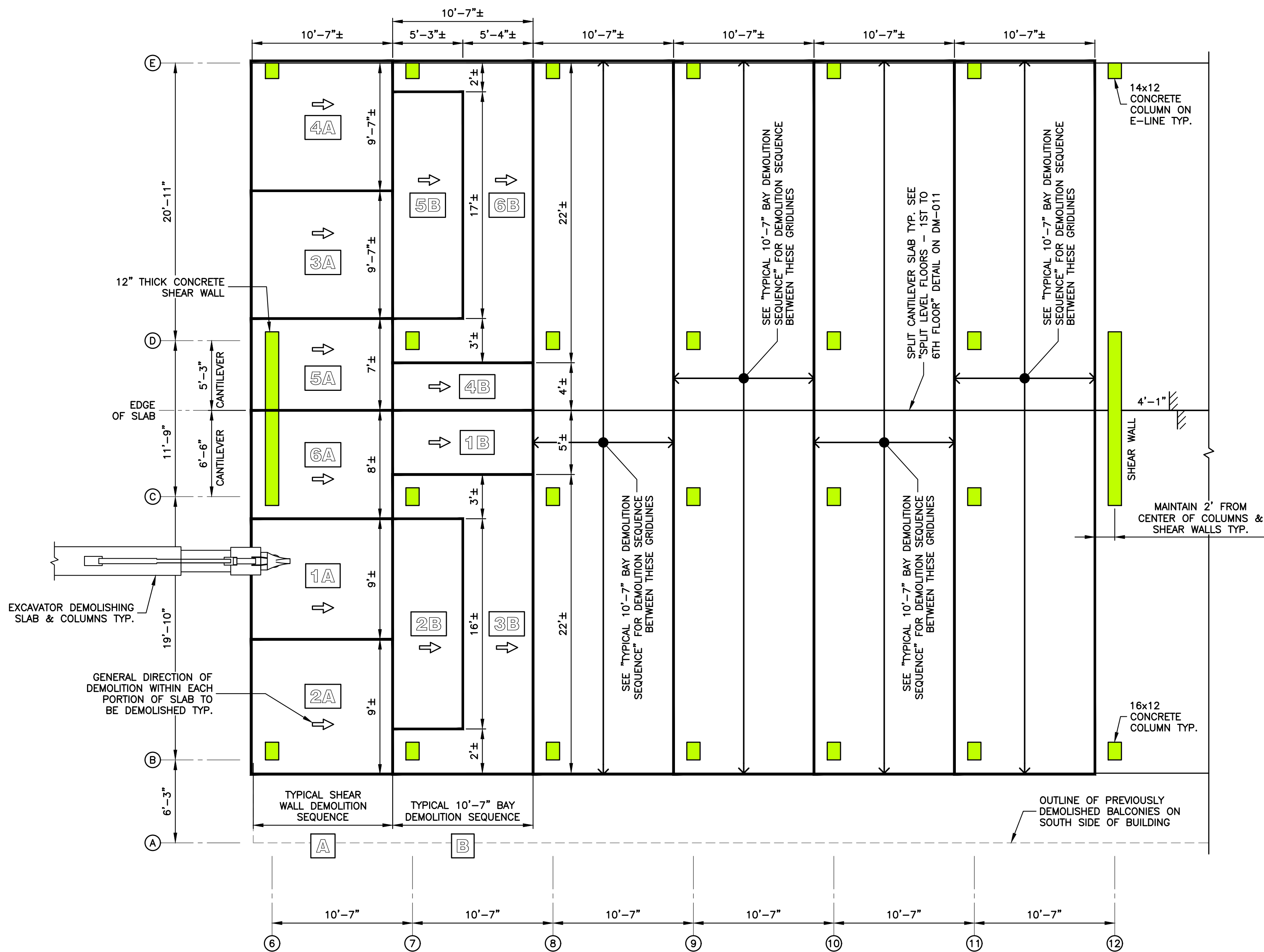
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- ONCE THE PORTION OF BUILDING IN SEQUENCE 4 HAS BEEN BROUGHT DOWN TO THE TRANSITION FLOOR, USE THE CONVENTIONAL EXCAVATOR, WORKING FROM SOUTH TO NORTH, TO DEMOLISH THE BAYS NUMBERED 1 TO 6C AS SHOWN IN THE PLAN ABOVE FROM THE TRANSITION FLOOR DOWN TO GRADE IN A TOP-DOWN FLOOR-BY-FLOOR MANNER. SEE "TYPICAL FLOOR DEMOLITION FOR SEQUENCE 4 w/ CONVENTIONAL EXCAVATOR" ON THIS SHEET.
- WHEN PERFORMING DEMOLITION WITHIN A BAY, DEMOLISH THE SLAB FIRST PRIOR TO DEMOLISHING THE ASSOCIATED COLUMNS OR SHEAR WALLS.

WHEN DEMOLISHING THE SLAB IN THE VICINITY OF A COLUMN OR SHEAR WALL, LEAVE A MINIMUM OF 24" EDGE DISTANCE BETWEEN THE FACE OF THE COLUMN OR SHEAR WALL AND THE WORKING FACE, UNLESS OTHERWISE NOTED. SEE "LIMIT OF SLAB DEMOLITION AT COLUMNS & SHEAR WALLS" DETAIL ON DM-026.
- PERIODICALLY PAUSE OPERATIONS AFTER THE DEMOLITION OF EACH NUMBERED STEP TO REMOVE THE ACCUMULATED DEBRIS ON THE FLOOR BELOW. ENSURE THAT THE DEBRIS IS ADEQUATELY REMOVED FROM THE FLOOR PRIOR TO STARTING THE DEMOLITION OF THE NEXT NUMBERED STEP OR PROCEEDING TO THE DEMOLITION OF THE NEXT LEVEL BELOW. SEE "TYPICAL DEBRIS REMOVAL FROM FLOOR" DETAIL ON DM-027.
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CONTRACTOR			
NORTHSTAR CONTRACTING GROUP, INC 401S 2ND ST EVERETT, MA 02149 (617) 389-8880			
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EMERGENCY DEMOLITION DEMOLITION DETAILS 6			
SEAL & SIGNATURE		DRAWING BY: JS DATE: 11/19/2025	
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		ENGINEER: JS	
		SCALE: AS NOTED	
		CHK BY: JS 10/22/2025	
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TYPICAL FLOOR DEMOLITION FOR SEQUENCES 5 & 6 w/ HIGH-REACH & CONVENTIONAL EXCAVATOR

SCALE: 3/16" = 1'-0"
SEQUENCE 5 DEMOLITION BETWEEN GRIDLINES 6 TO 12 SHOWN. SEQUENCE 6 DEMOLITION BETWEEN GRIDLINES 12 TO 18 OPPOSITE HAND.

FLOOR DEMOLITION PROCEDURE FOR SEQUENCES 5 & 6 :

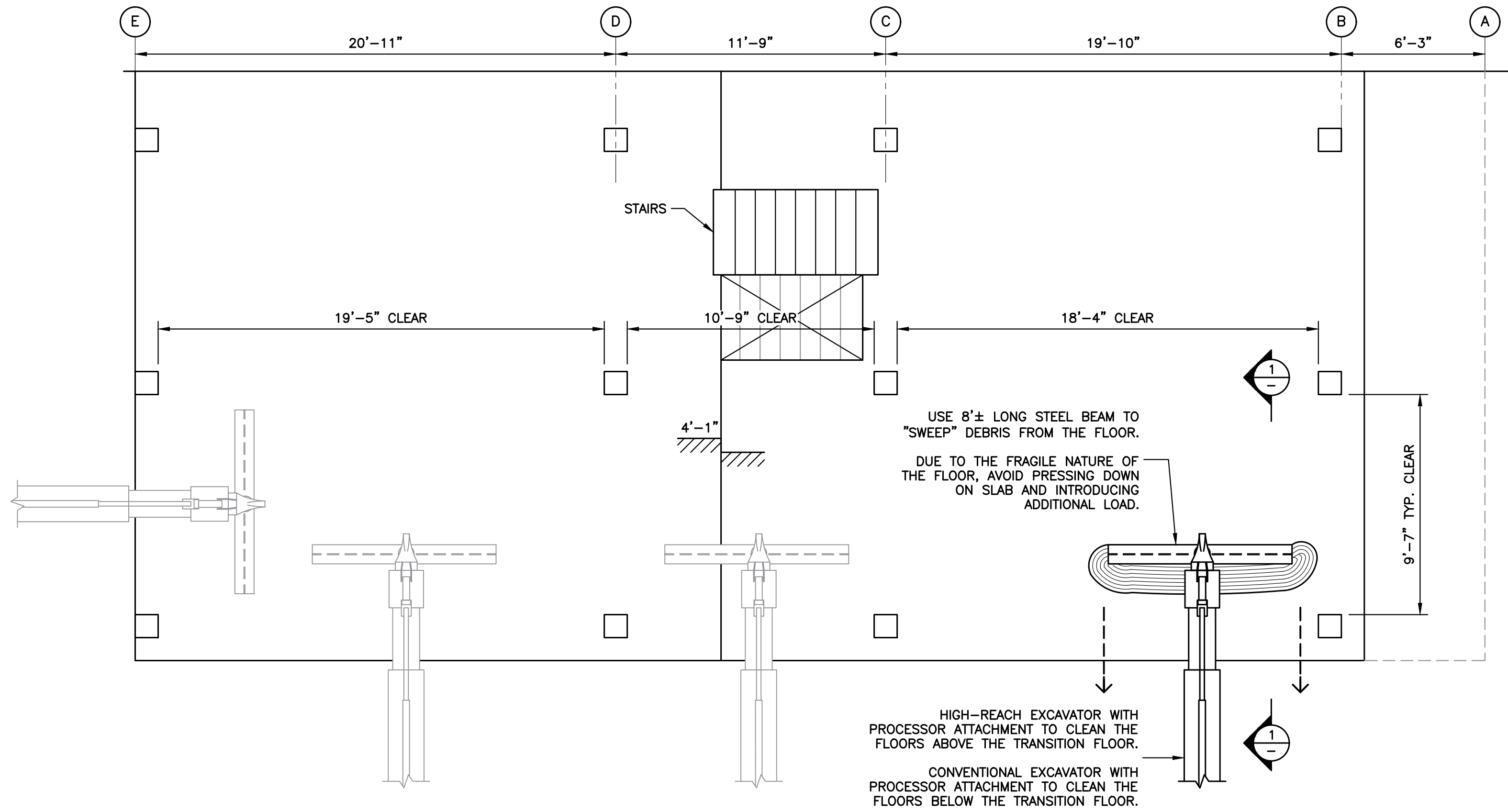
- STARTING WITH SEQUENCE 5, WORKING FROM WEST TO EAST, USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE PORTION OF BUILDING BETWEEN GRIDLINES B TO E AND GRIDLINE 6 TO 7 FROM THE ROOF DOWN TO THE TRANSITION FLOOR. THE HIGH-REACH EXCAVATOR SHALL DEMOLISH THE FLOOR WITHIN THIS AREA FOLLOWING THE STEPS NUMBERED 1A TO 6A AS SHOWN IN THE TYPICAL SHEAR WALL DEMOLITION SEQUENCE IN THE PLAN ABOVE.

ONCE THE PORTION OF THE BUILDING BETWEEN GRIDLINES 6 TO 7 HAS BEEN BROUGHT DOWN TO THE TRANSITION FLOOR, USE THE CONVENTIONAL EXCAVATOR TO DEMOLISH THE REMAINING FLOORS FROM THE TRANSITION FLOOR DOWN TO GRADE.
- FOR THE REMAINDER OF SEQUENCE 5, CONTINUE TO WORK WEST TO EAST TO DEMOLISH AN INDIVIDUAL BAY BETWEEN GRIDLINES FOLLOWING THE STEPS NUMBERED 1B TO 6B AS SHOWN IN THE TYPICAL 10'-7" BAY DEMOLITION SEQUENCE IN THE PLAN ABOVE. USE THE HIGH-REACH EXCAVATOR TO DEMOLISH THE FLOORS IN AN INDIVIDUAL BAY FROM THE ROOF DOWN TO THE TRANSITION FLOOR. USE THE CONVENTIONAL EXCAVATOR TO DEMOLISH THE REMAINING FLOORS IN AN INDIVIDUAL BAY FROM THE TRANSITION FLOOR DOWN TO GRADE.
- FOR SEQUENCE 6, WORKING FROM EAST TO WEST, REPEAT NOTE 1 TO DEMOLISH THE PORTION OF THE BUILDING BOUNDED BY GRIDLINES B TO E AND 17 TO 18.

REPEAT NOTE 2 TO DEMOLISH THE PORTION OF THE BUILDING BOUNDED BY GRIDLINES B TO E AND 14 TO 17.
- IN SEQUENCE 6, WHEN THE PORTION OF THE BUILDING IS REDUCED TO THE AREA BOUNDED BY GRIDLINES B TO E AND 12 TO 14 (3 BAYS WIDE x 2 BAYS LONG x 9 STORIES HIGH), DEMOLISH THESE (6) REMAINING BAYS TOGETHER WITH THE 12-LINE SHEAR WALL IN A TOP-DOWN FLOOR-BY-FLOOR MANNER IN ORDER TO MAINTAIN THE STABILITY OF THE REMAINDER OF THE BUILDING.
- WHEN PERFORMING DEMOLITION WITHIN A BAY, DEMOLISH THE SLAB FIRST PRIOR TO DEMOLISHING THE ASSOCIATED COLUMNS OR SHEAR WALLS.

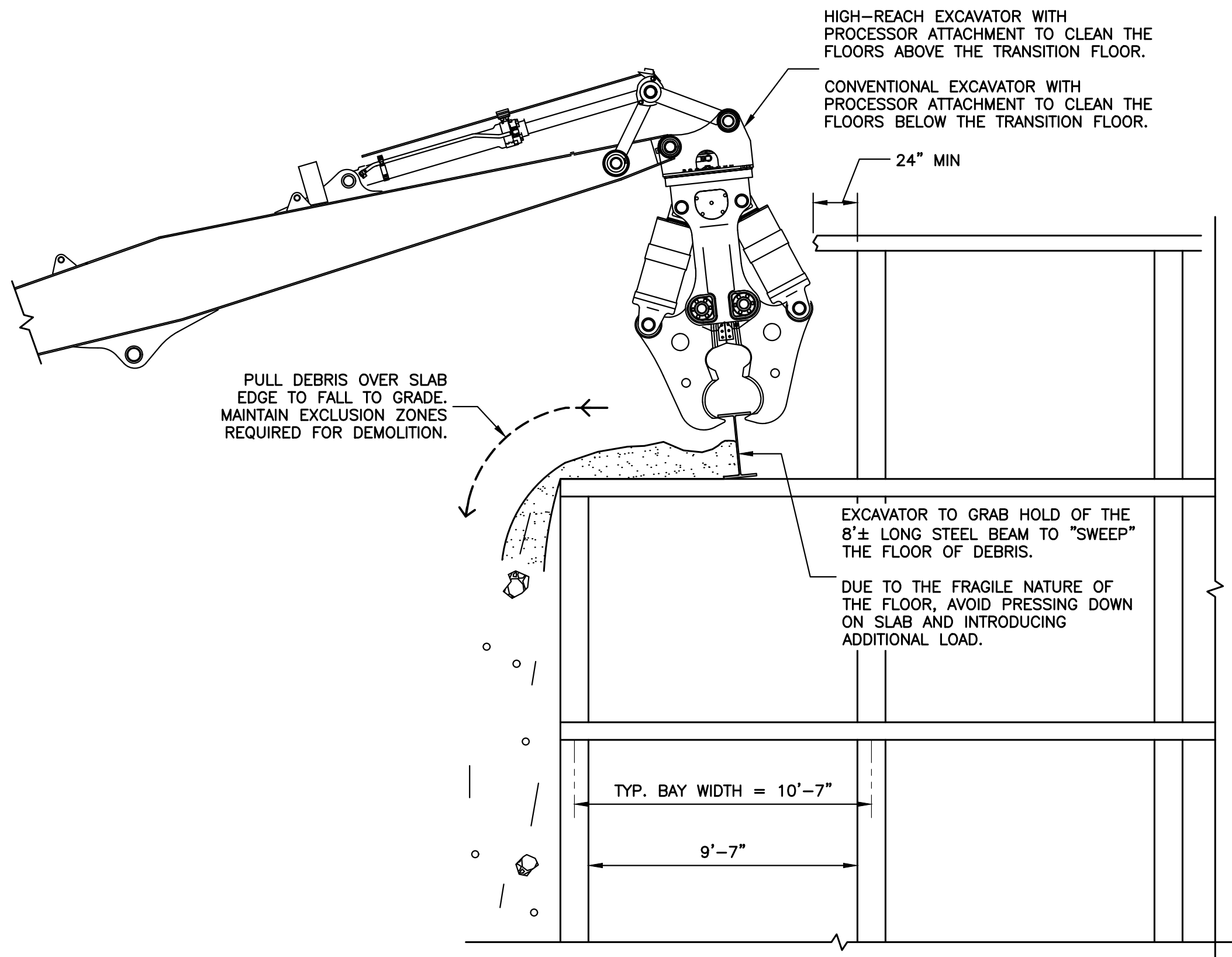
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		11/19/25	
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TYPICAL DEBRIS REMOVAL FROM FLOOR

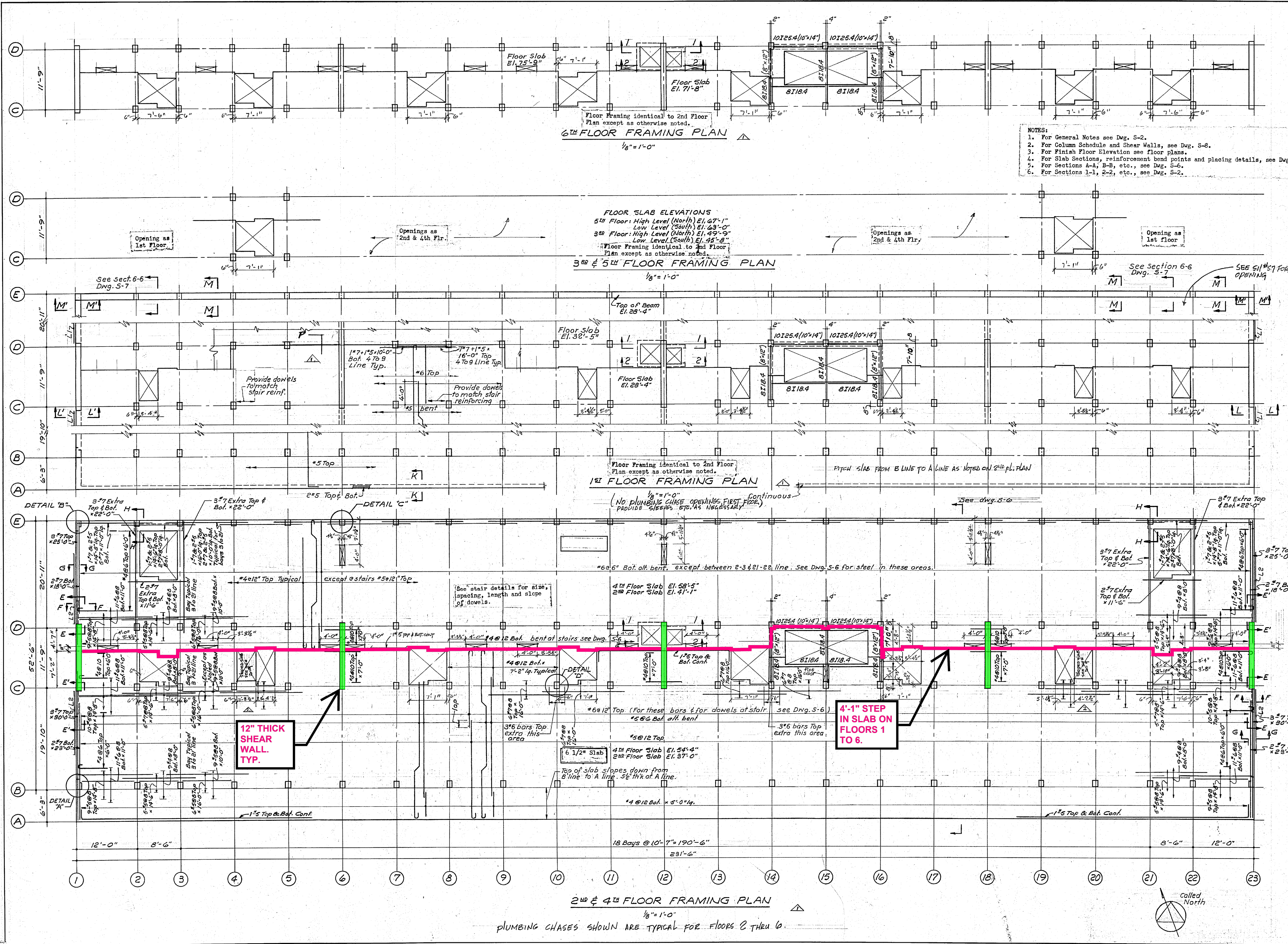
SCALE: 1/4" = 1'-0"



SECTION 1-1

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

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EMERGENCY DEMOLITION DEMOLITION DETAILS 8			
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		DWG NO:	
		DM-027.00	
11/19/25		16 OF 17	



- NOTES:
1. For General Notes see Dwg. S-2.
 2. For Column Schedule and Shear Walls, see Dwg. S-8.
 3. For Finish Floor Elevation see floor plans.
 4. For Slab Sections, reinforcement bend points and placing details, see Dwg. S-9.
 5. For Sections 1-1, 2-2, etc., see Dwg. S-6.
 6. For Sections 1-1, 2-2, etc., see Dwg. S-2.

PROJECT

RIVERVIEW APARTMENTS

1640 Massachusetts Avenue
Cambridge, MA 02140

Architects:
HARRIS & FREEMAN INC.
1721 Walnut Street
Philadelphia 3, Pennsylvania

CONSULTING ENGINEERS, P.C.

266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563
TEL: (516) 791-2600 FAX: (516) 791-5425

DATE: Dec 14 1981

SCALE: As Noted

DRAWN BY: A.R.D.F.

SHEET NUMBER: 45

DATE: 11/19/25

SCALE: AS NOTED

CHK BY: JS

DWG NO: DM-030.00

No.	DATE	DESCRIPTION	BY
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NORTHSTAR CONTRACTING GROUP, INC 4015 2ND ST EVERETT, MA 02149 (617) 389-8880			
TITLE			
EMERGENCY DEMOLITION EXISTING DRAWING - FRAMING PLANS			
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